1-18G

11a IN THE 5.8GHz BAND

CH157

Radiated Emission

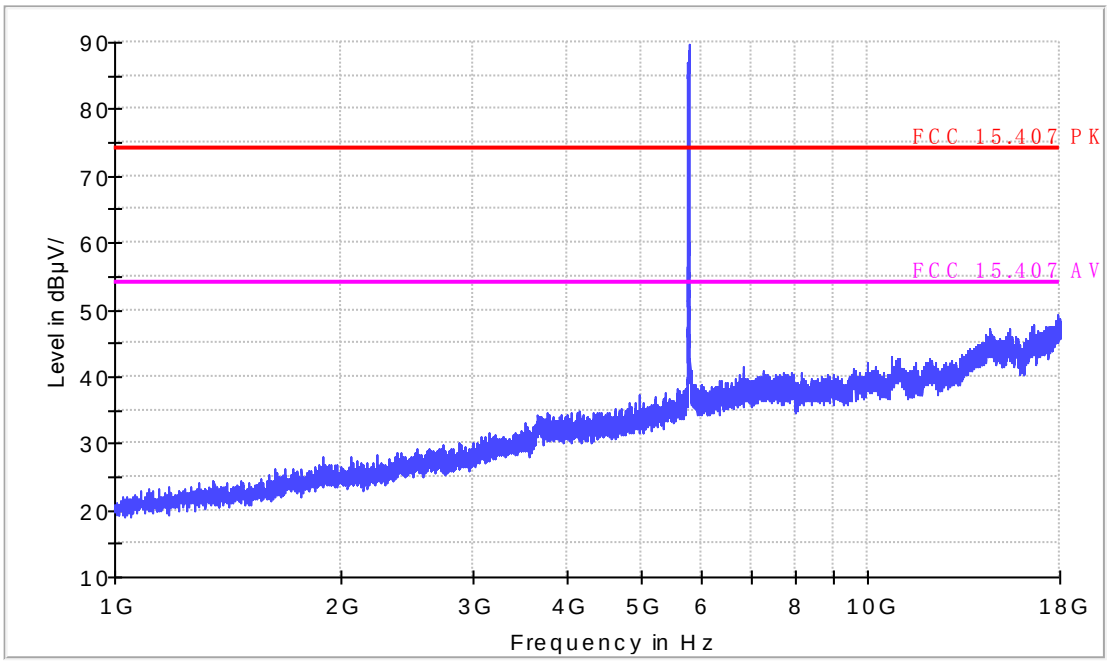
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH157
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

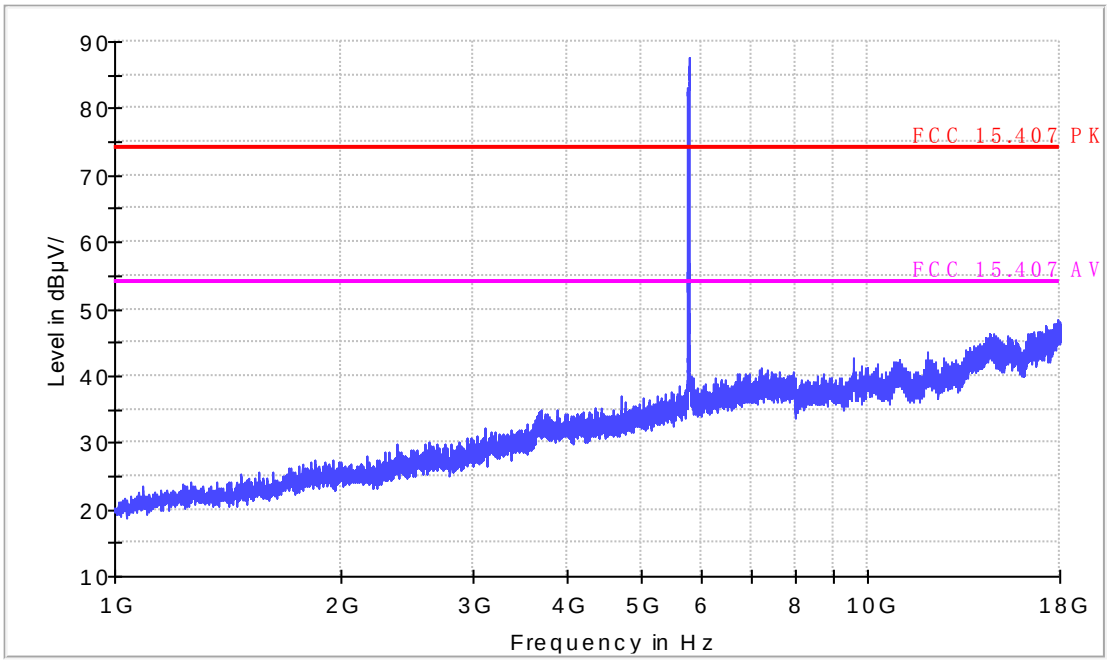
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH157
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

CH165

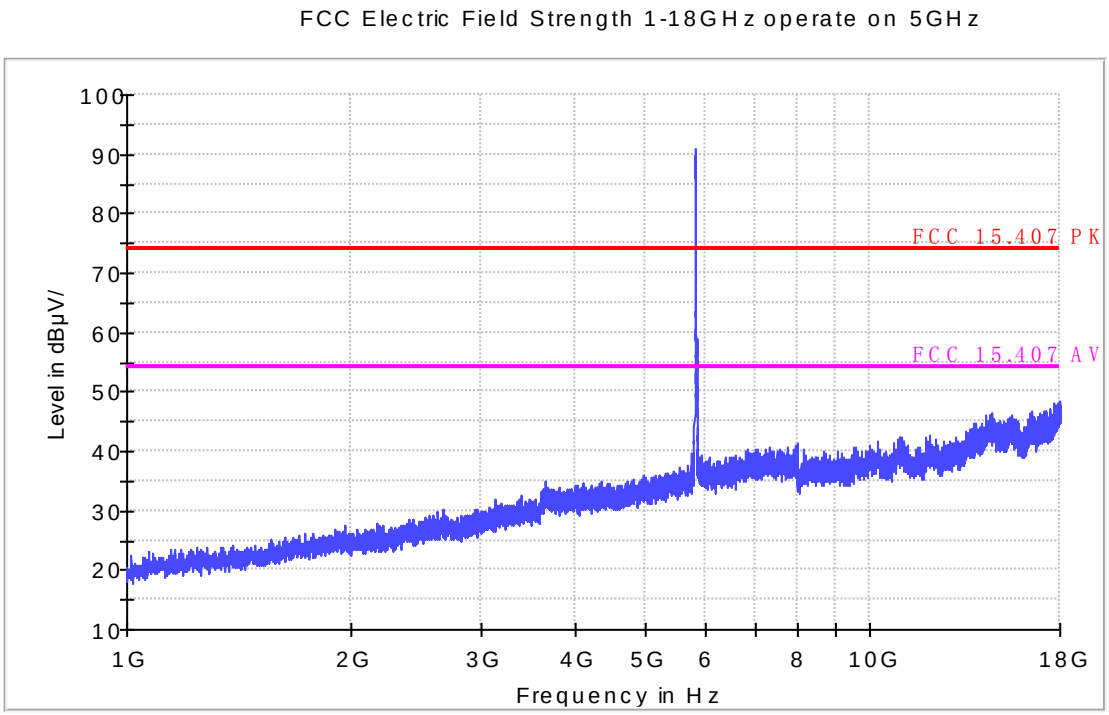
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH165
Test Voltage:	
Comment:	

Common Information

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



Radiated Emission

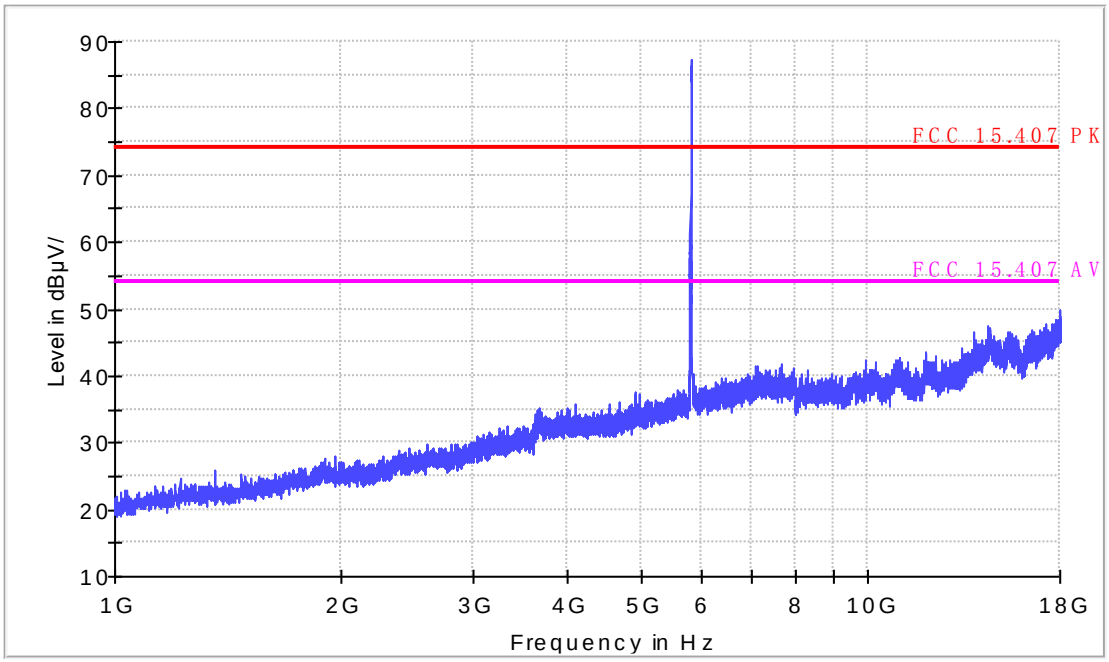
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH165
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 5.8GHz BAND

CH149

Radiated Emission

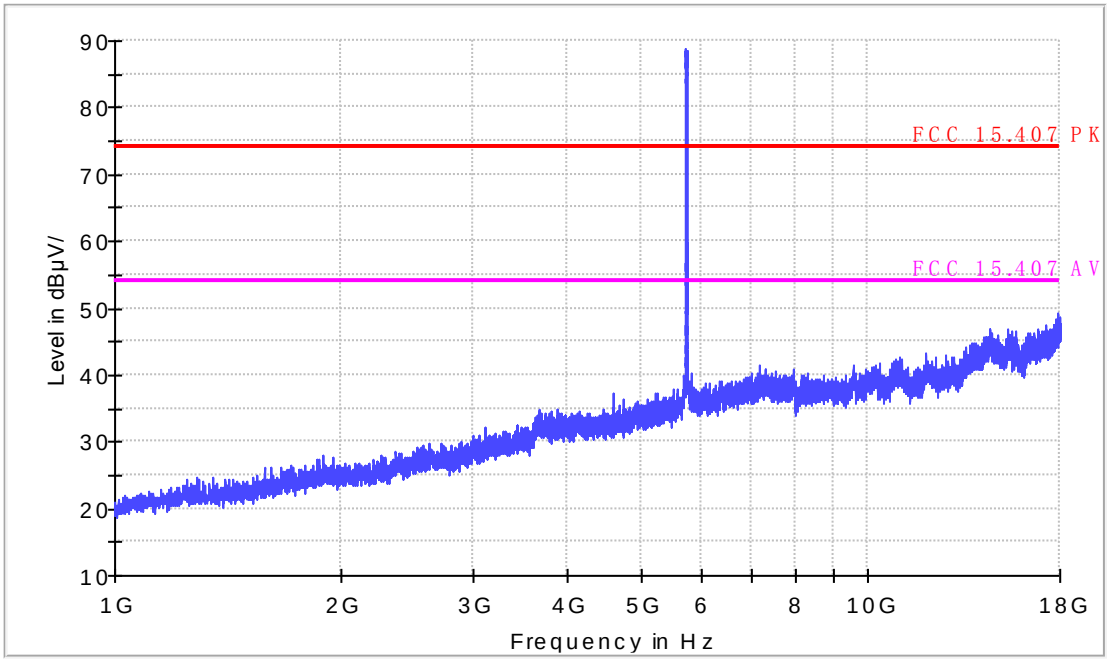
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH149
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

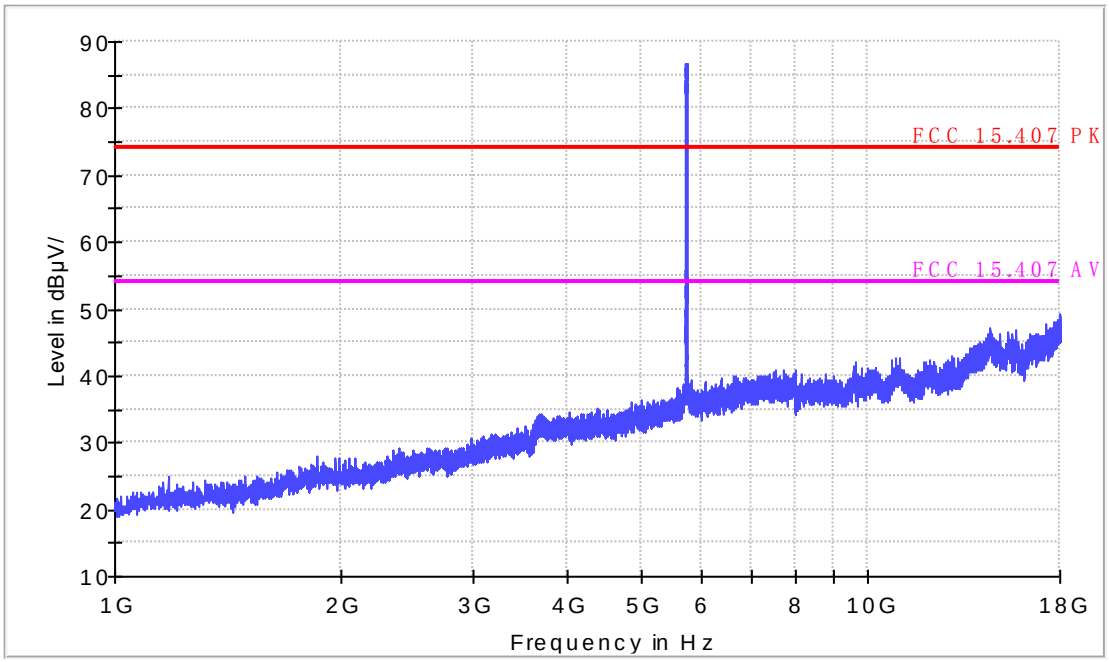
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 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



1-18G

11n HT20 IN THE 5.8GHz BAND

CH157

Radiated Emission

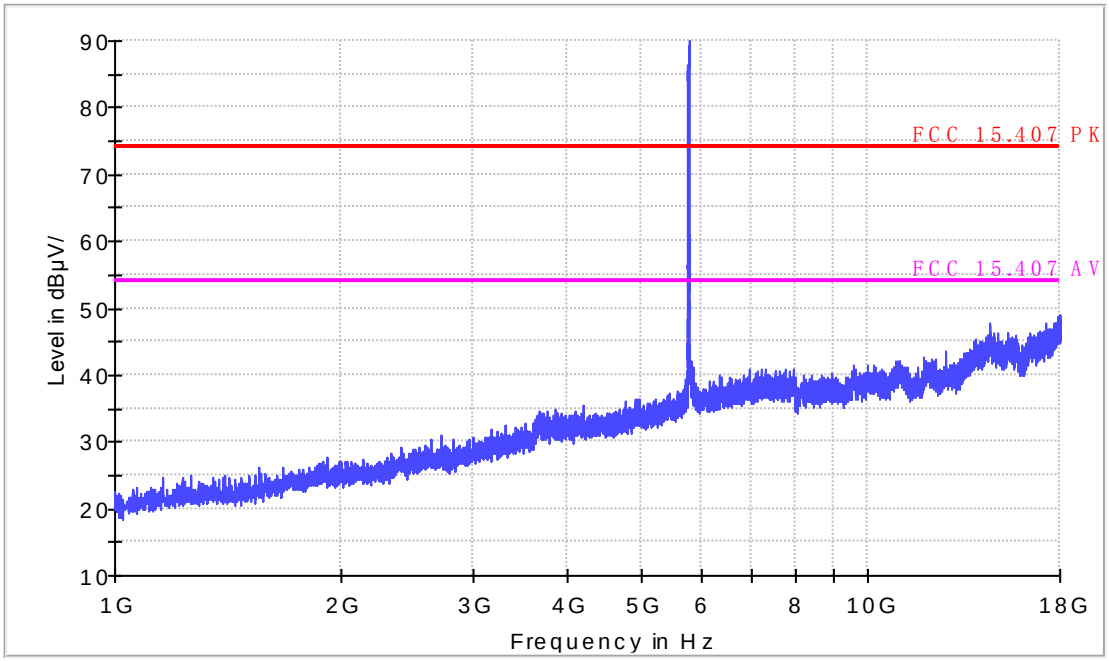
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH157
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

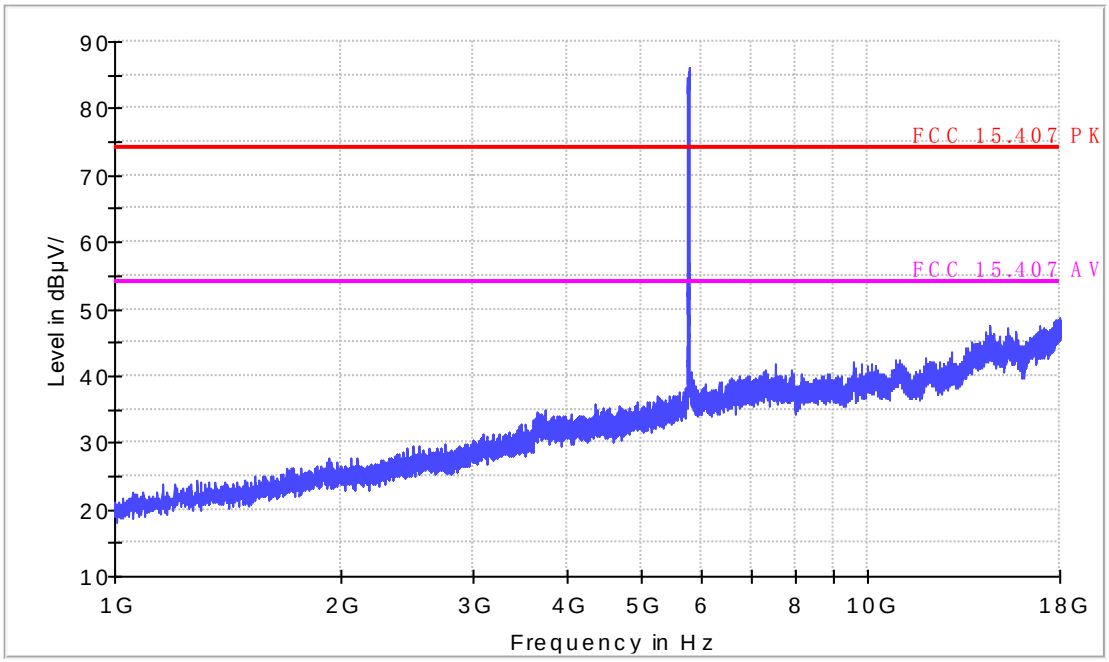
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH157
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 5.8GHz BAND

CH165

Radiated Emission

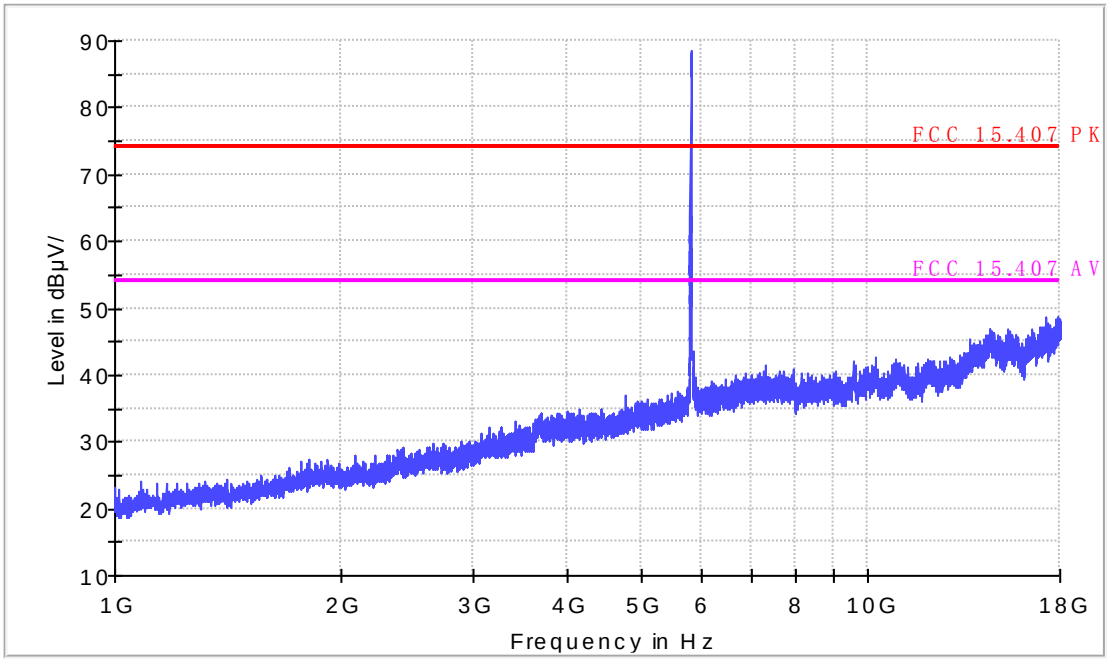
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH165
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

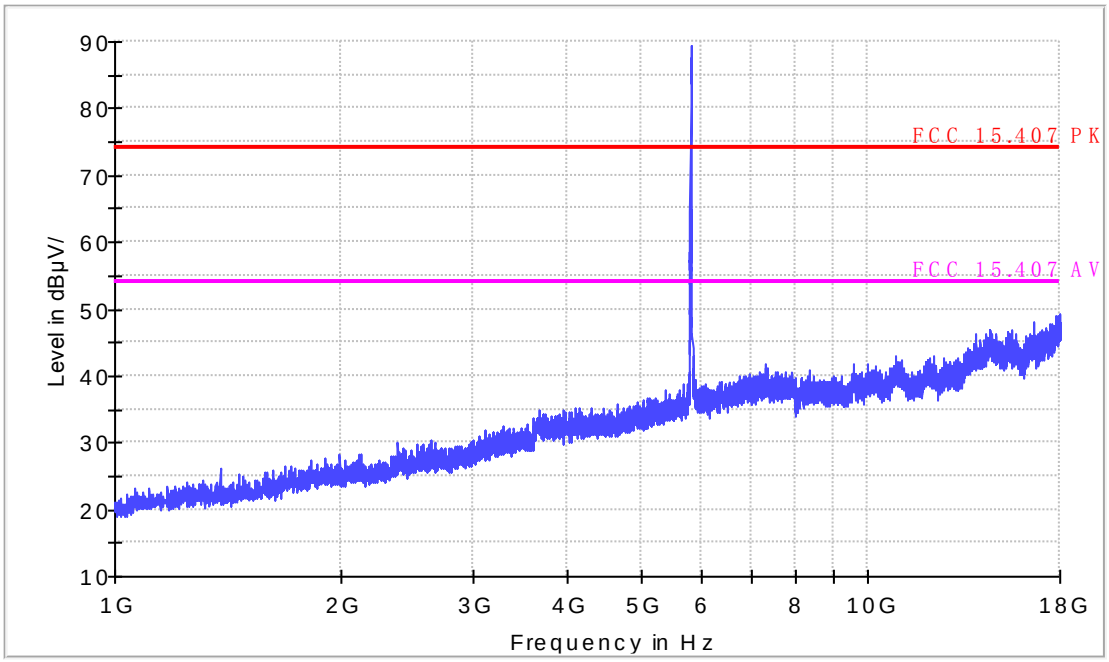
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH165
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 5.8GHz BAND

CH151

Radiated Emission

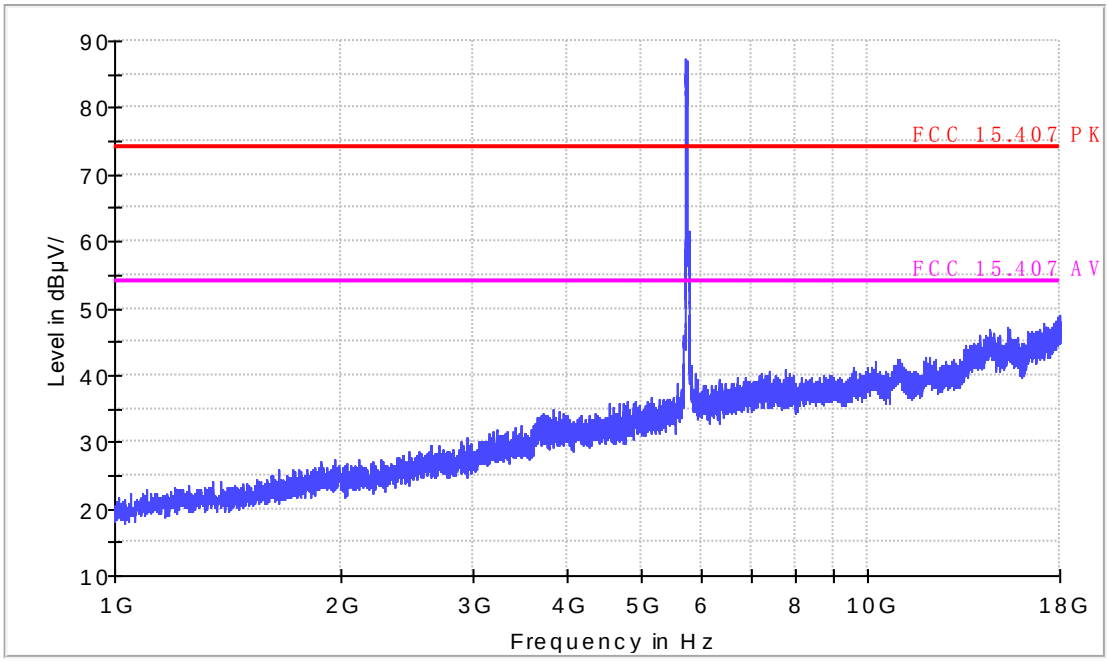
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH151
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

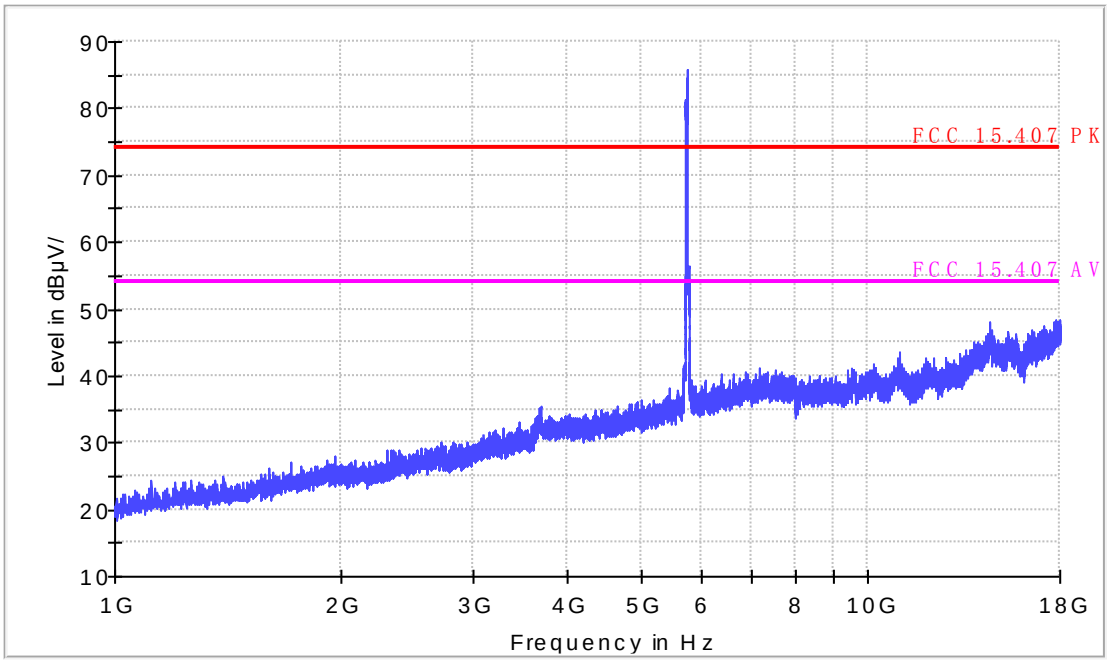
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH151
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 5.8GHz BAND

CH159

Radiated Emission

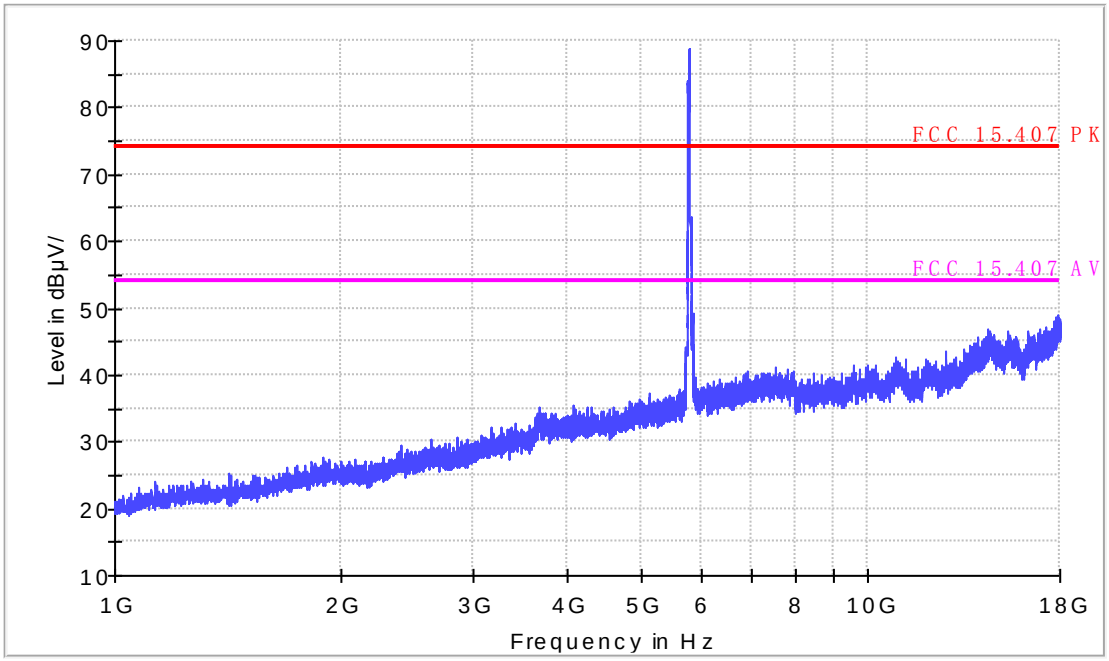
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH159
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

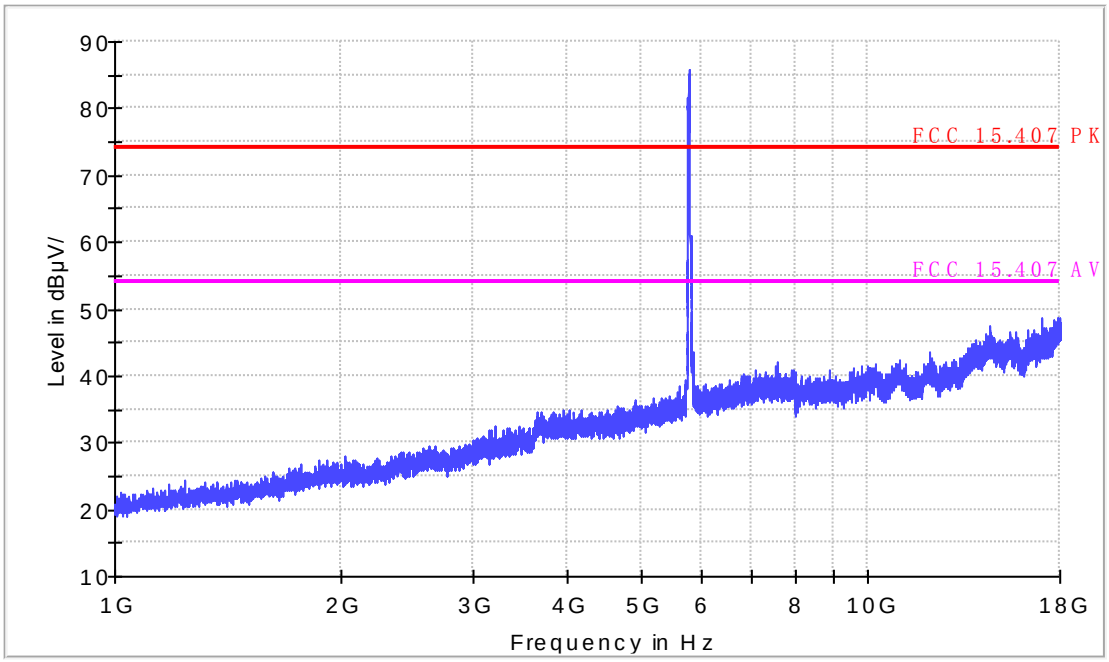
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH159
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



18-26.5G

No Peak found in pre-scan, only worst case result is listed in this report.

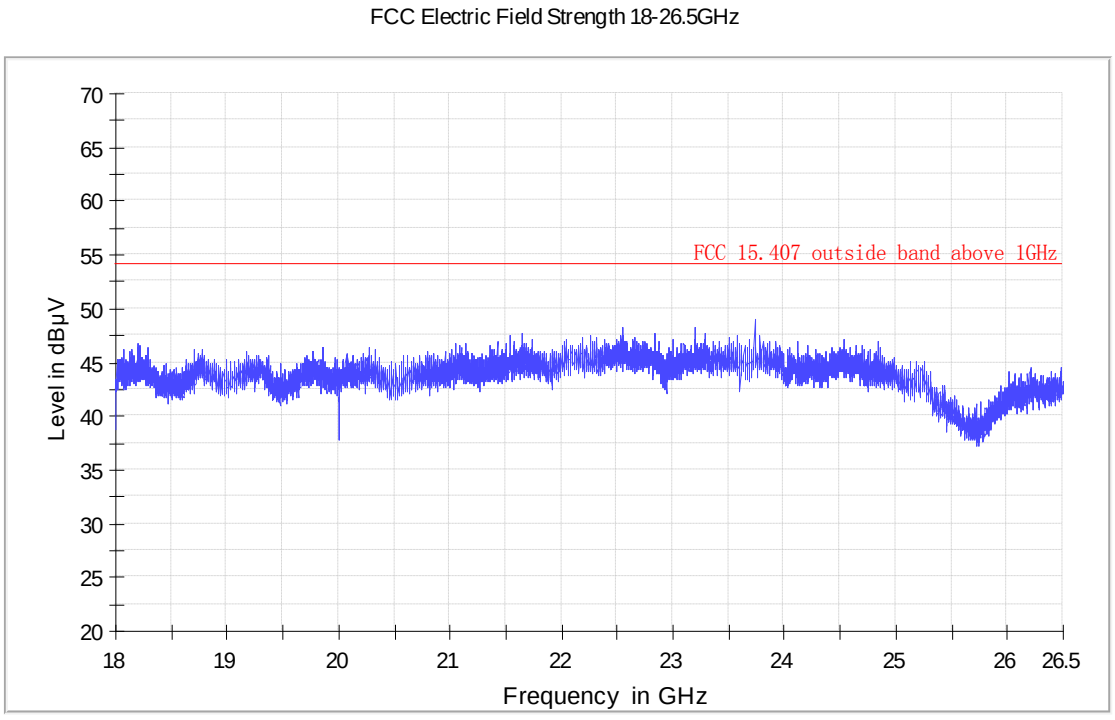
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	Transmitting
Test Voltage:	
Comment:	

Common Information

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



Radiated Emission

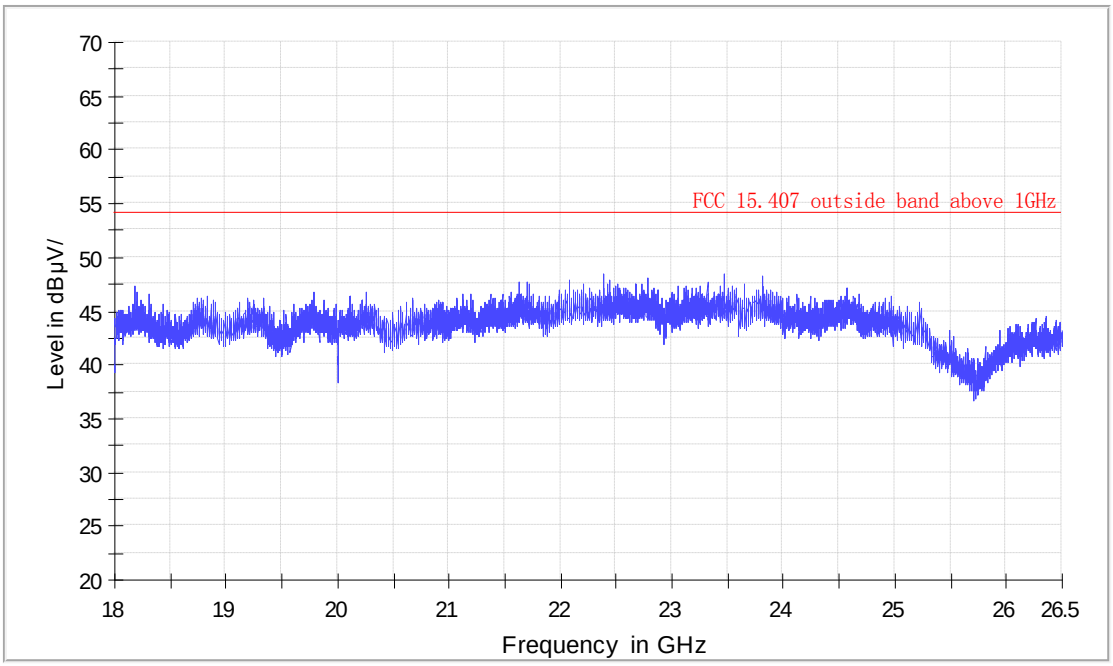
EUT Information

EUT Model Name:	7071A
Operation mode:	Transmitting
Test Voltage:	
Comment:	

Common Information

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

FCC Electric Field Strength 18-26.5GHz



26.5-40G

No Peak found in pre-scan, only worst case result is listed in this report.

Radiated Emission

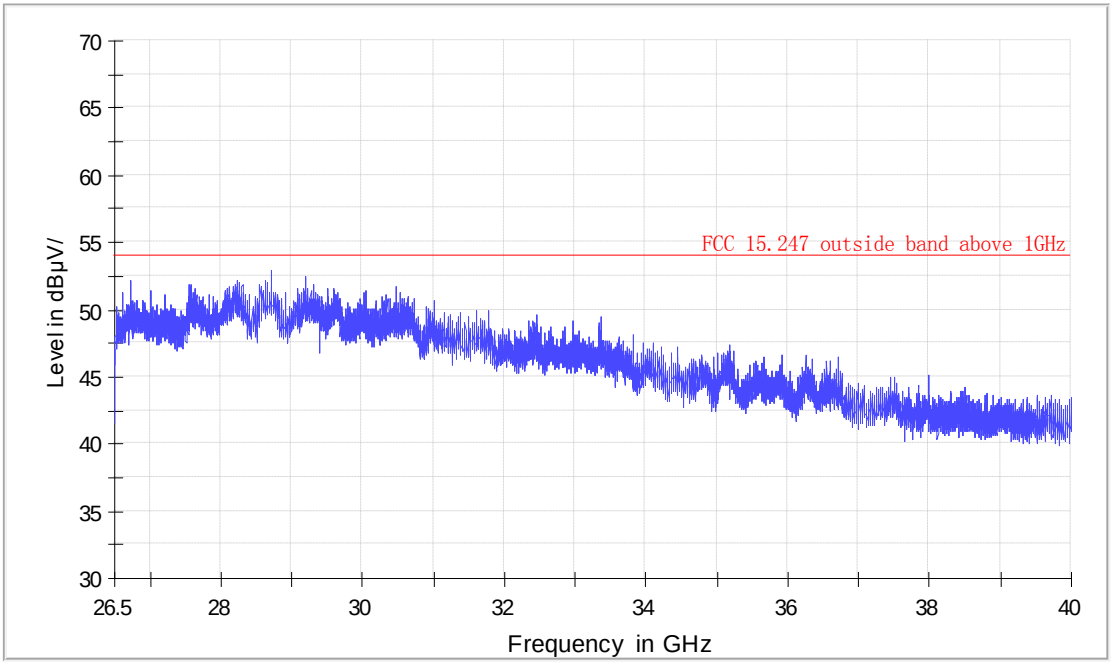
EUT Information

EUT Model Name:	7071A
Operation mode:	Transmitting
Test Voltage:	
Comment:	

Common Information

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

FCC Electric Field Strength 26.5-40GHz



Radiated Emission

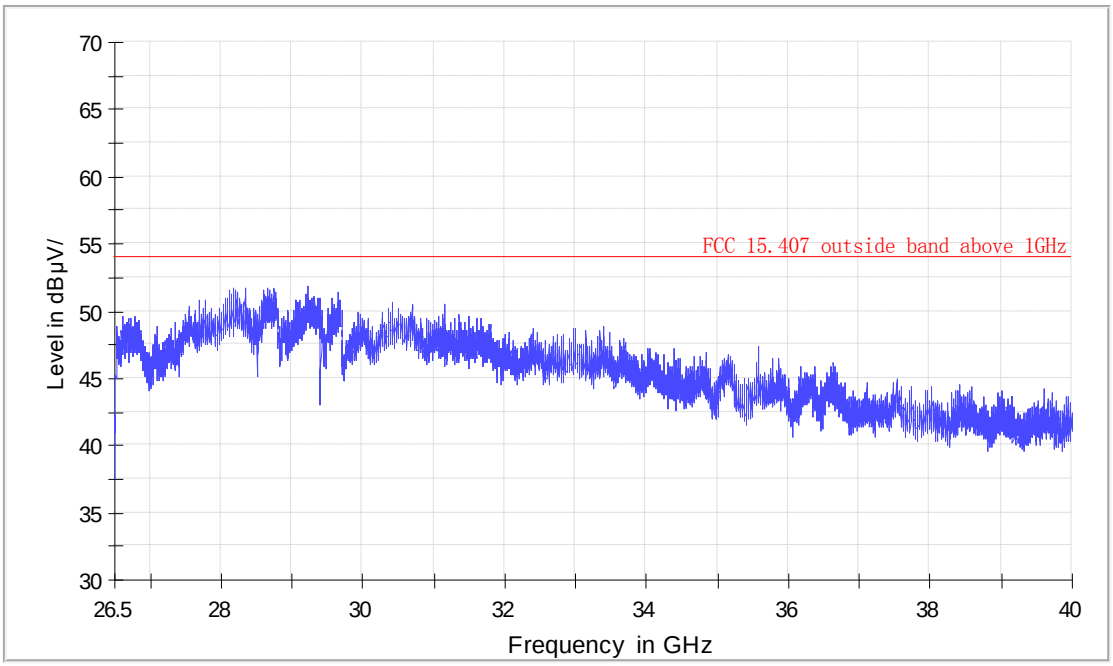
EUT Information

EUT Model Name:	7071A
Operation mode:	Transmitting
Test Voltage:	
Comment:	

Common Information

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

FCC Electric Field Strength 26.5-40GHz



Band edge

11a IN THE 5.2GHz BAND

CH36

Radiated Emission

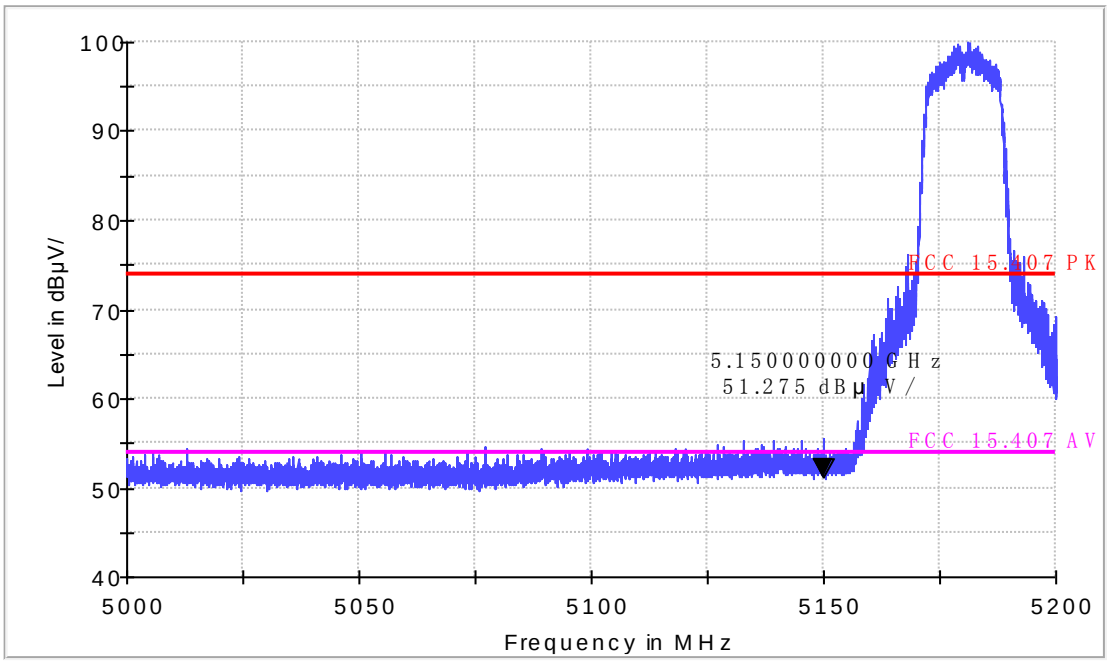
EUT Information

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

Common Information

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

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



Radiated Emission

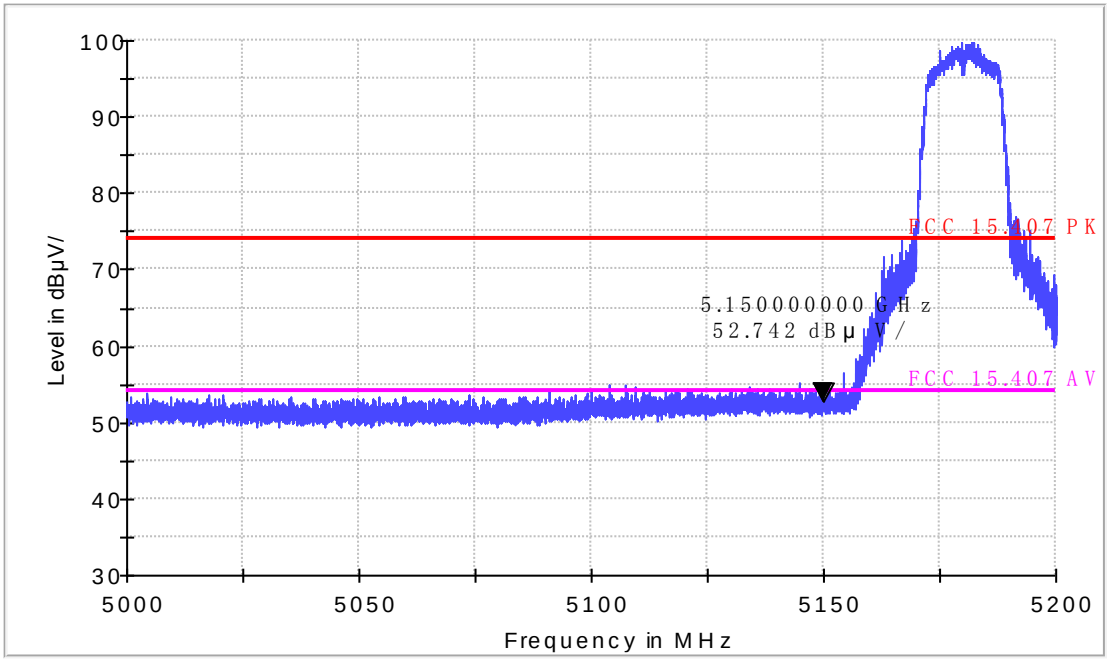
EUT Information

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

Common Information

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

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



Radiated Emission

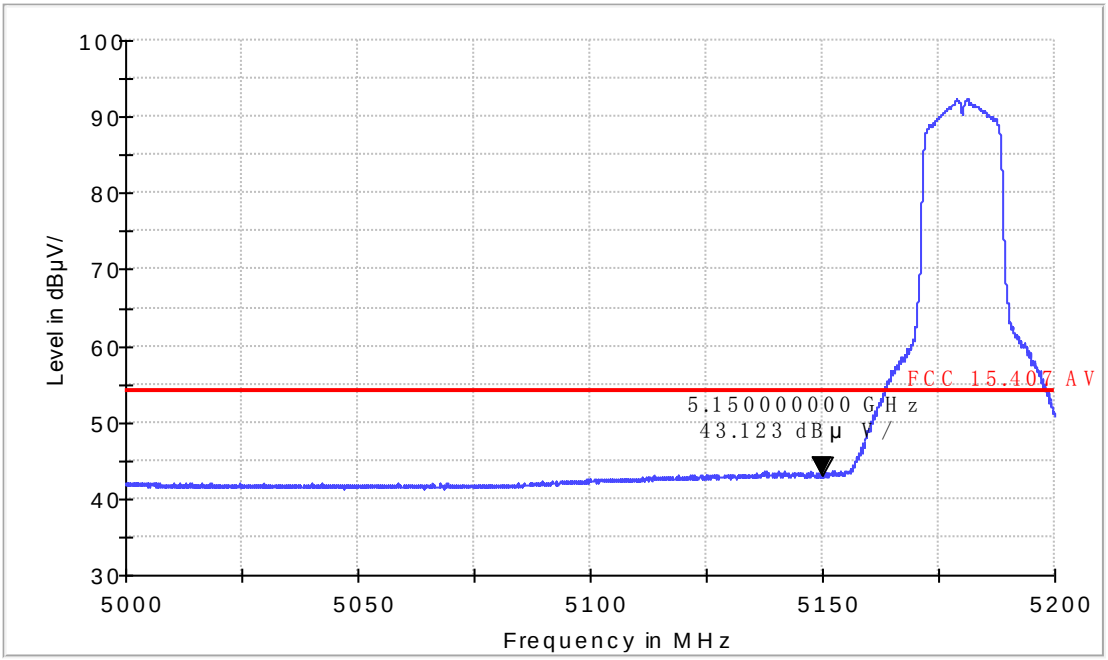
EUT Information

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:	

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



Radiated Emission

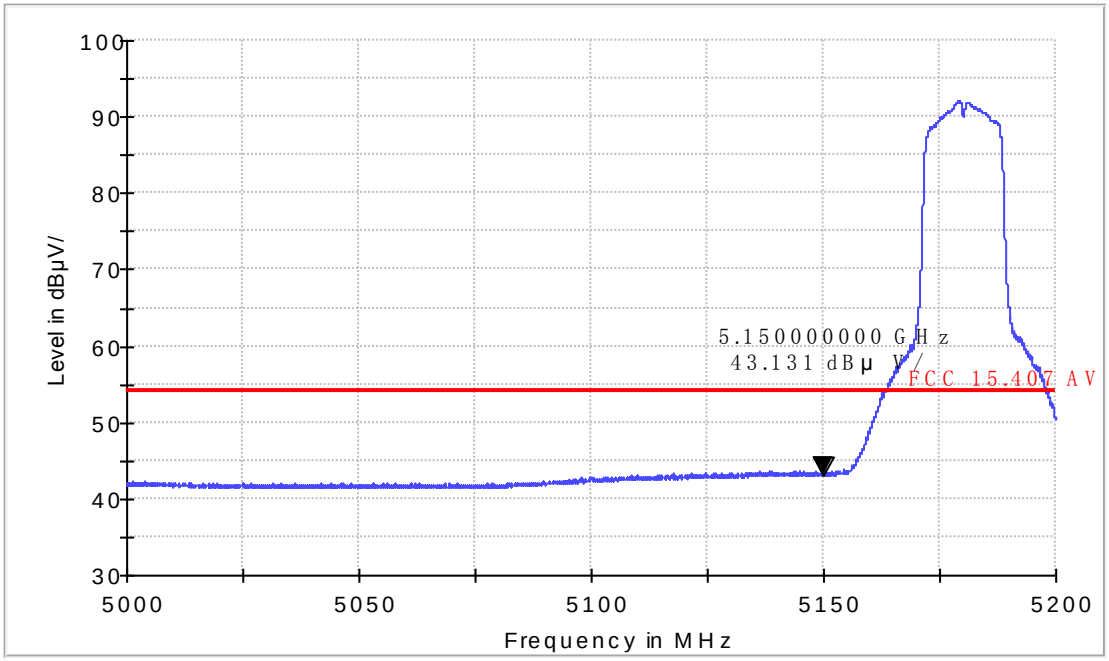
EUT Information

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

Common Information

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

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



Band edge

11n HT20 IN THE 5.2GHz BAND

CH36

Radiated Emission

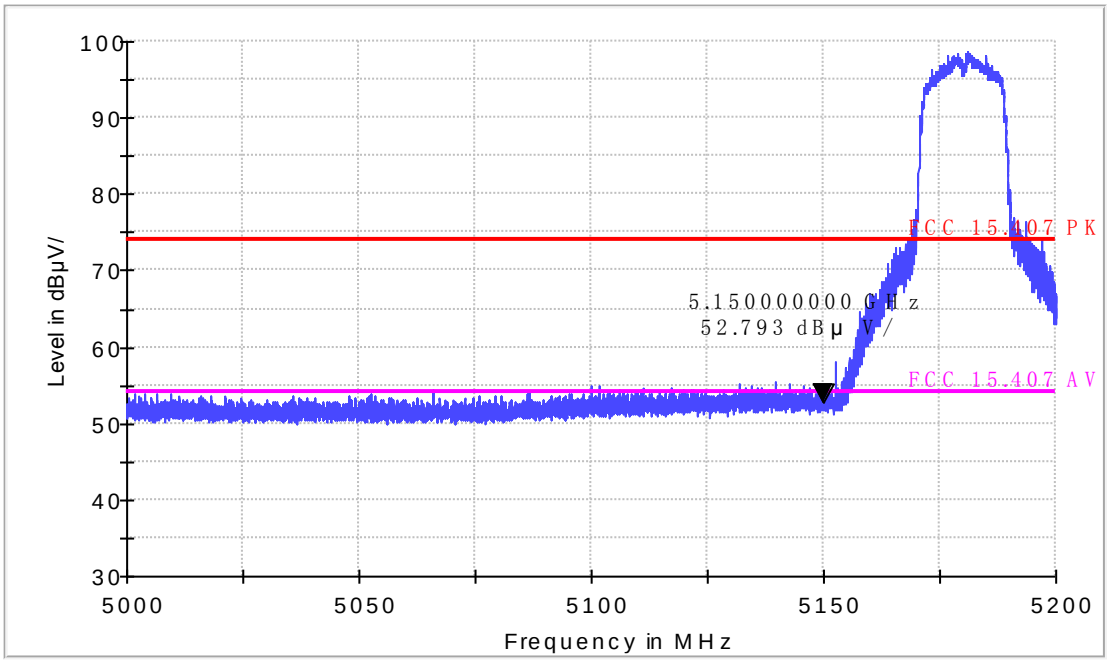
EUT Information

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 Bandedge-PK



Radiated Emission

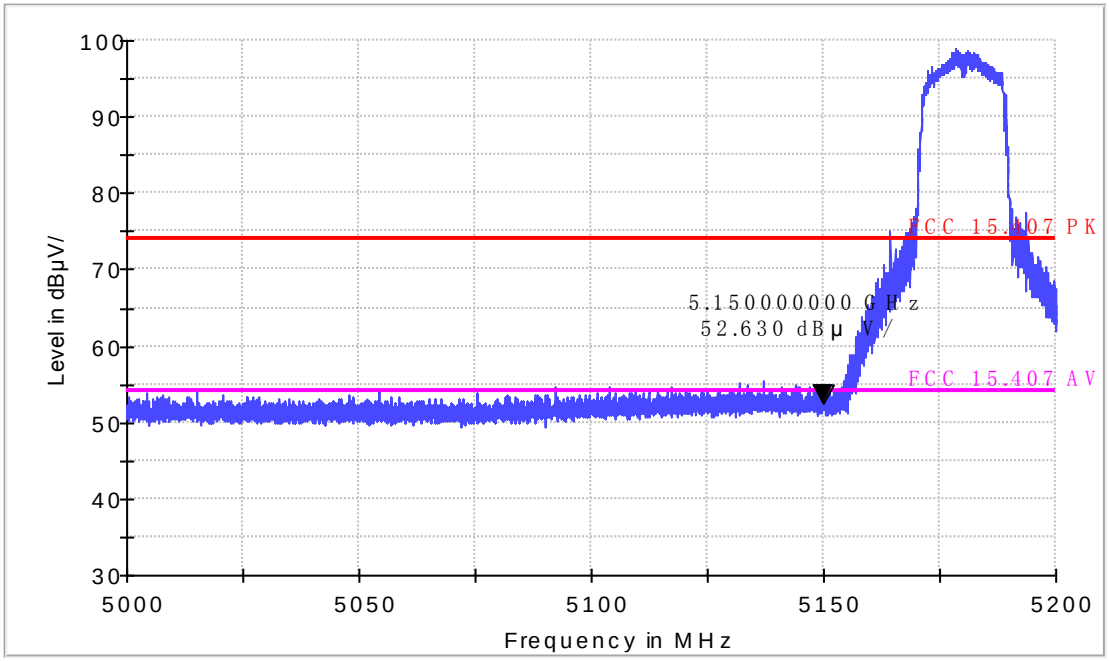
EUT Information

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 Bandedge-PK



Radiated Emission

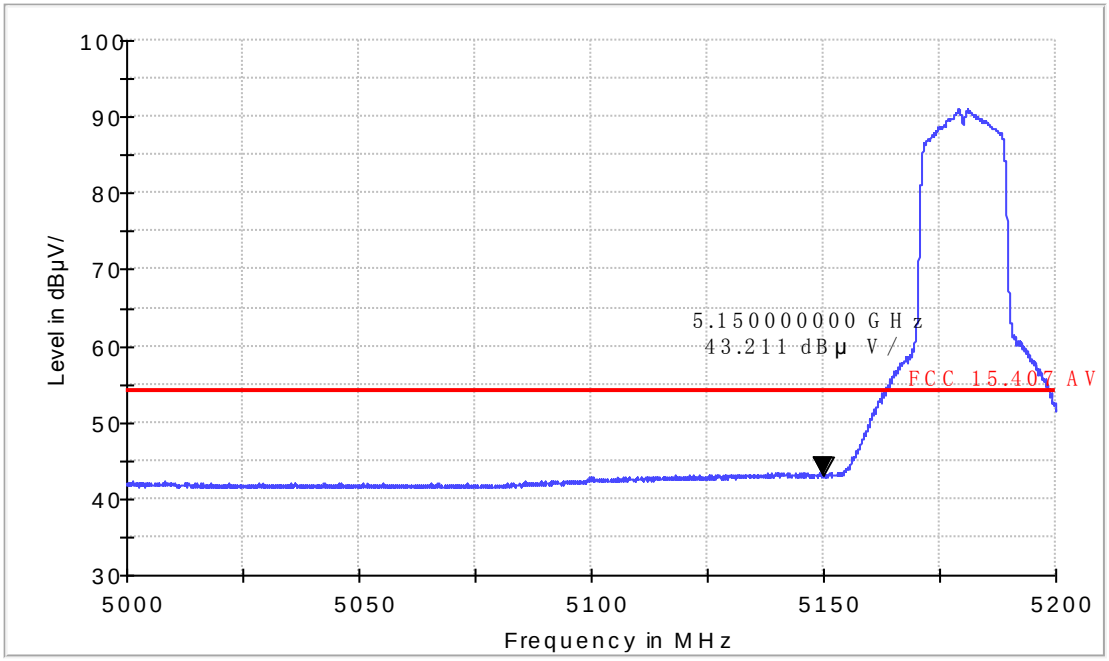
EUT Information

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 Bandedge-AV



Radiated Emission

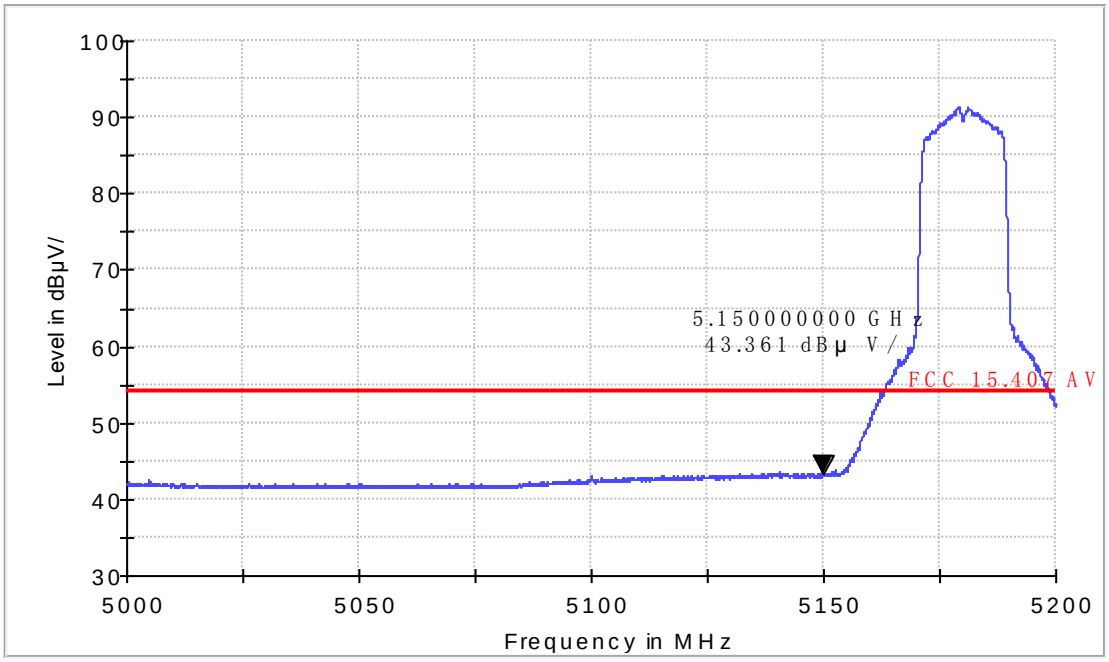
EUT Information

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 Bandedge-AV



Band edge

11n HT40 IN THE 5.2GHz BAND

CH38

Radiated Emission

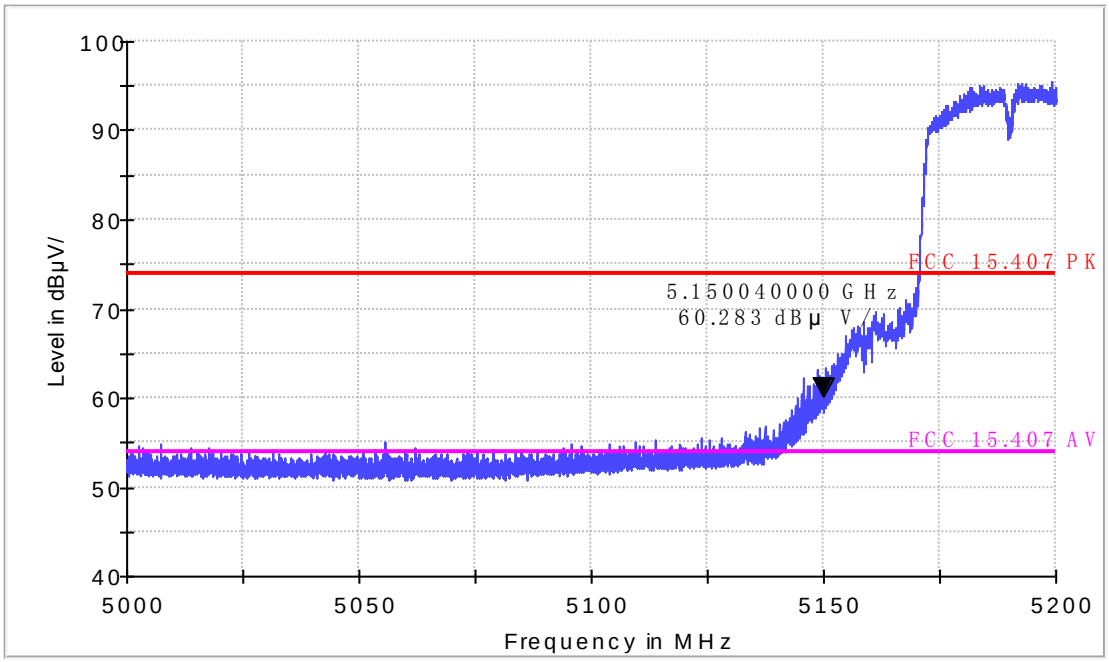
EUT Information

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 Bandedge-PK



Radiated Emission

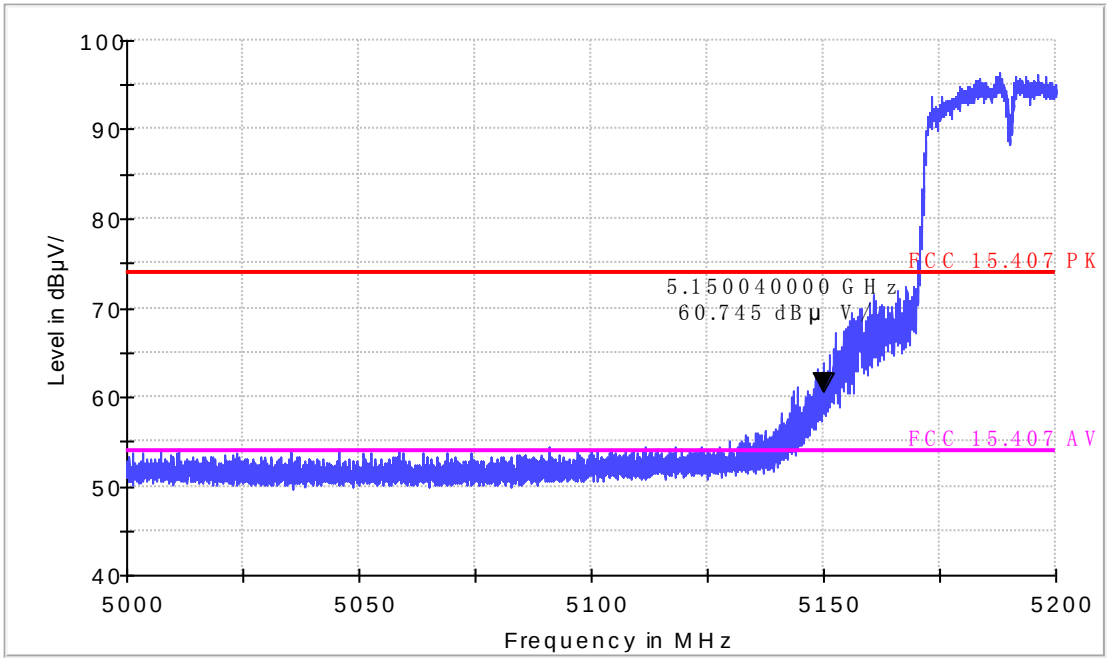
EUT Information

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 Bandedge-PK



Radiated Emission

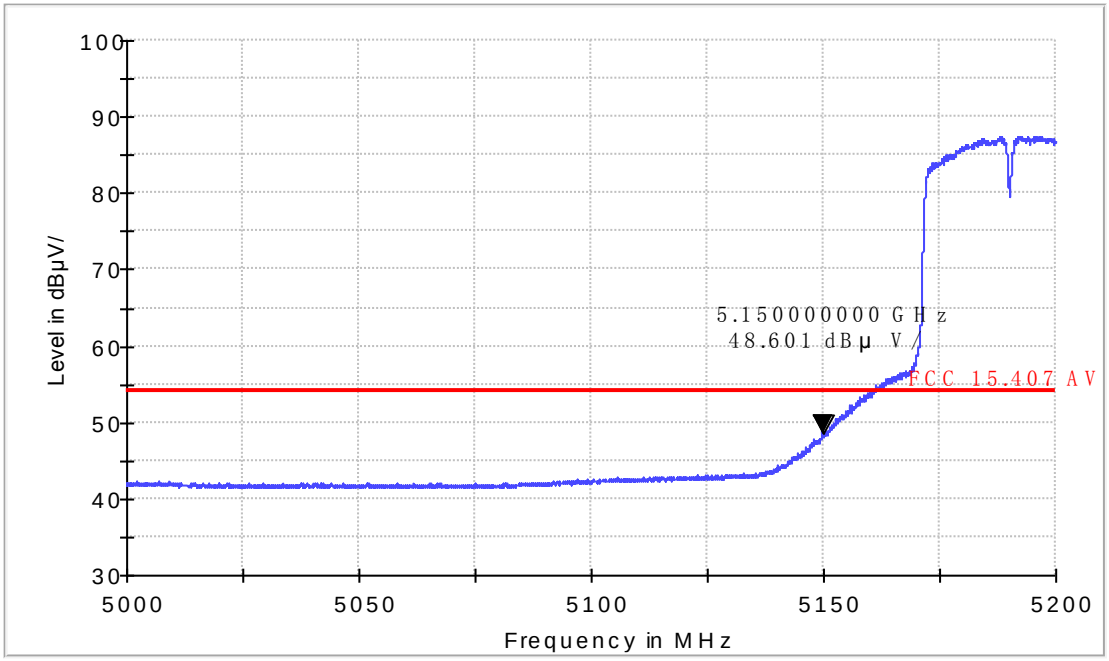
EUT Information

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 Bandedge-AV



Radiated Emission

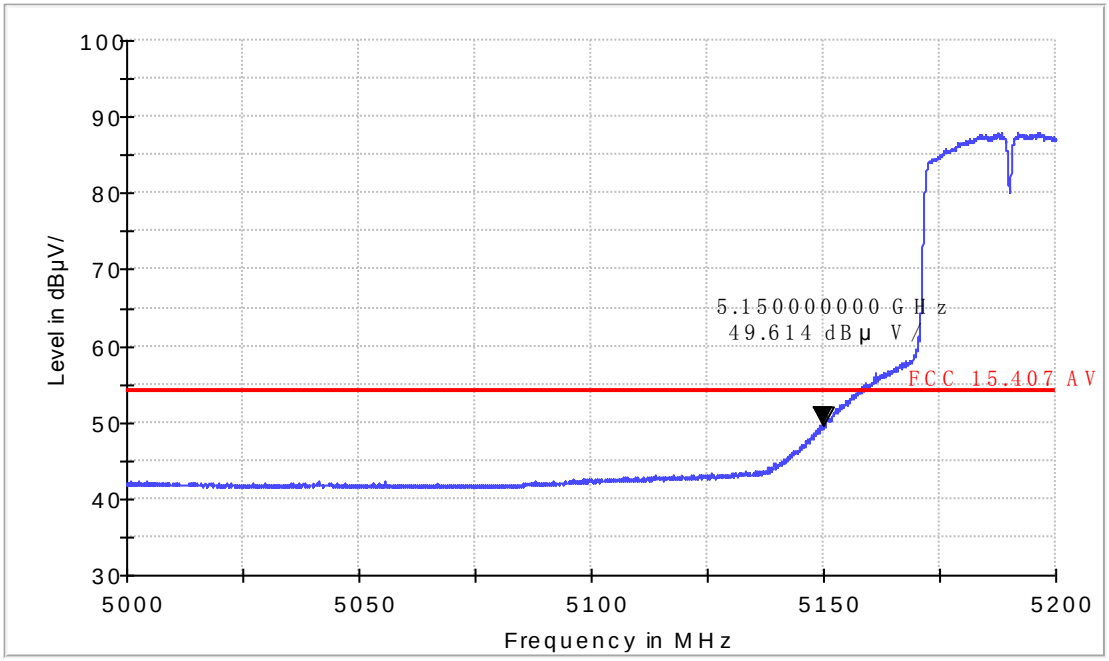
EUT Information

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 Bandedge-AV



Band edge

11a IN THE 5.3GHz BAND

CH64

Radiated Emission

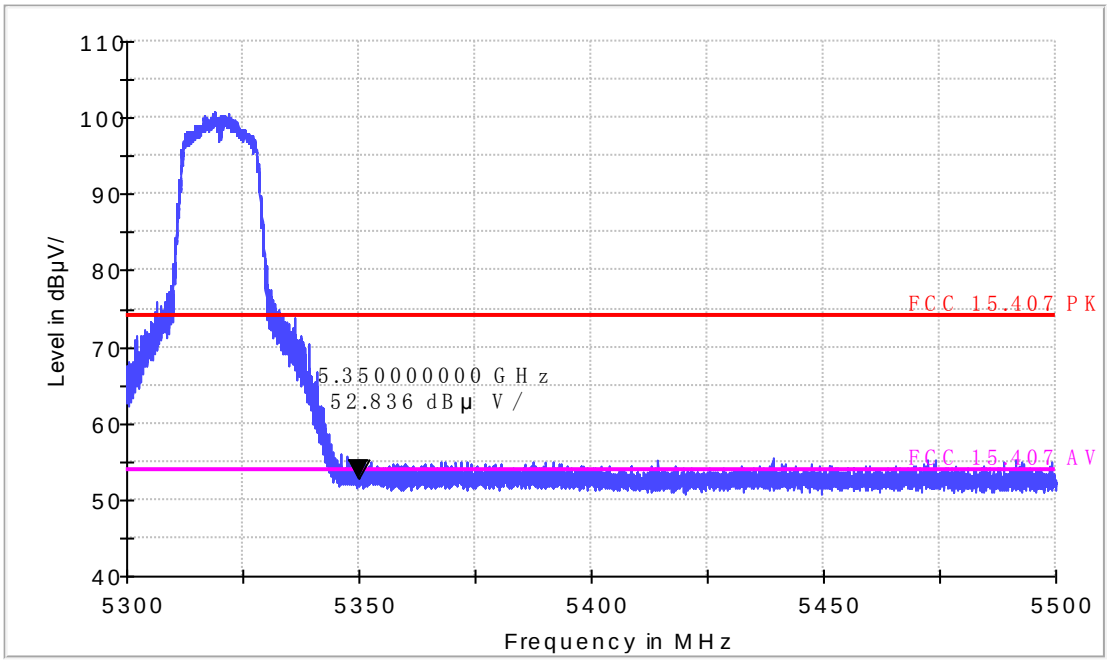
EUT Information

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

Common Information

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

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



Radiated Emission

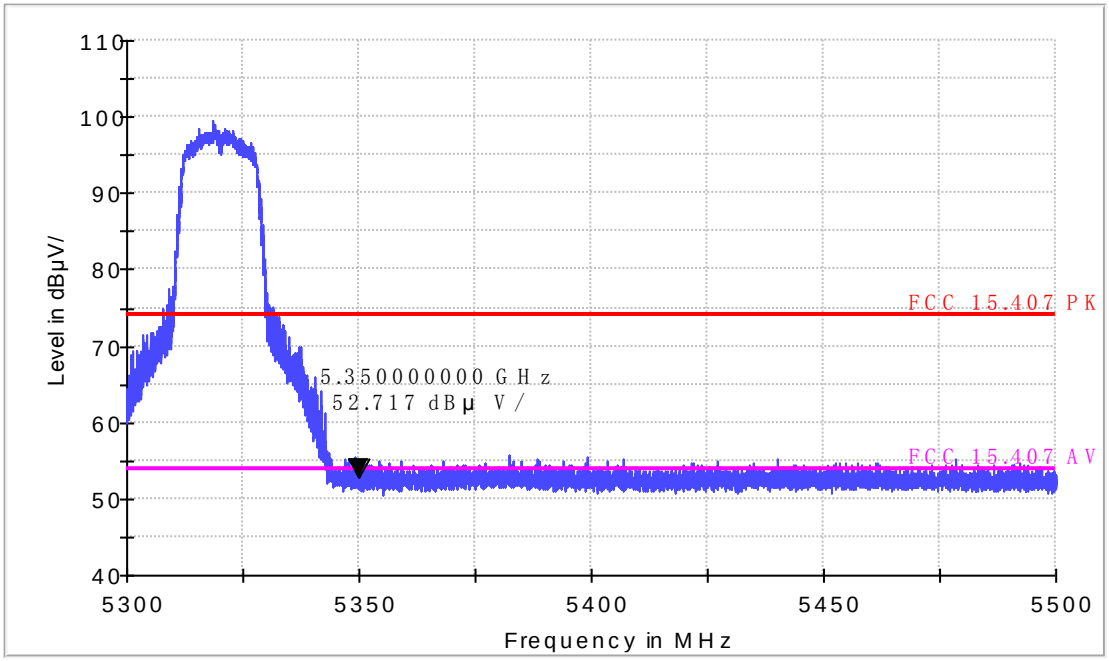
EUT Information

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 Bandedge-PK



Radiated Emission

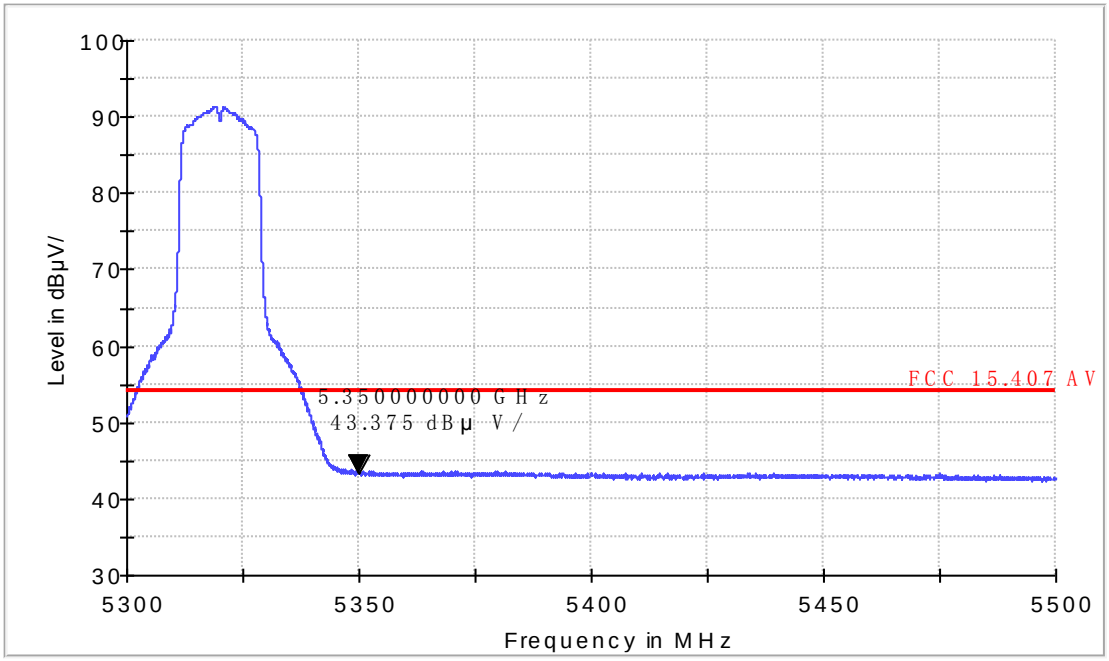
EUT Information

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

Common Information

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

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



Radiated Emission

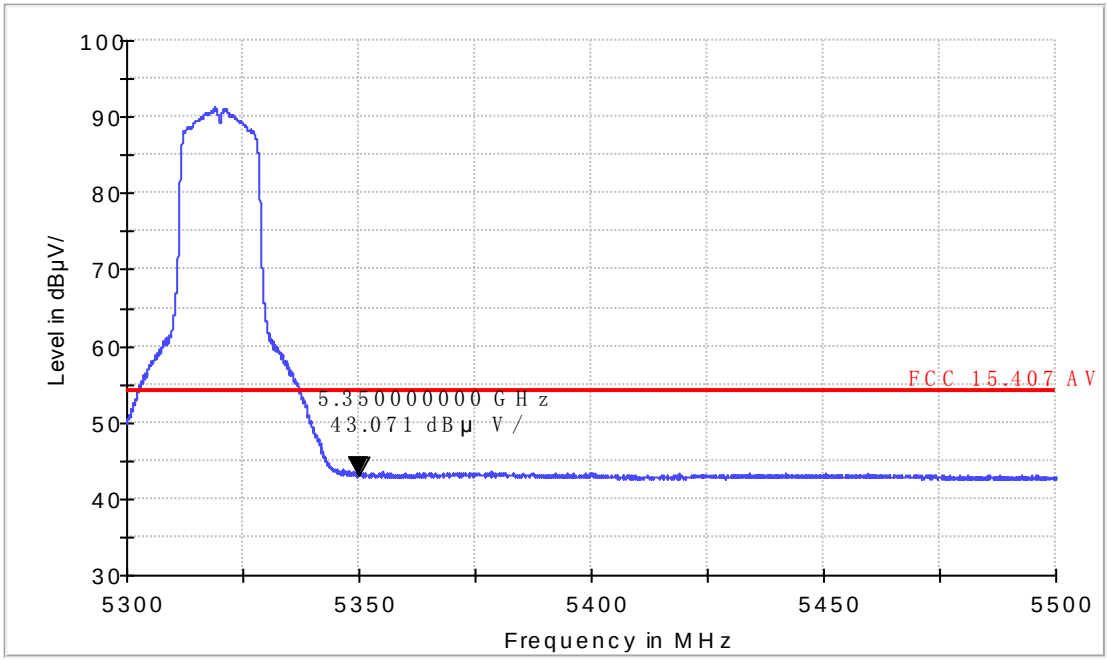
EUT Information

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 Bandedge-AV



Band edge

11n HT20 IN THE 5.3GHz BAND

CH64

Radiated Emission

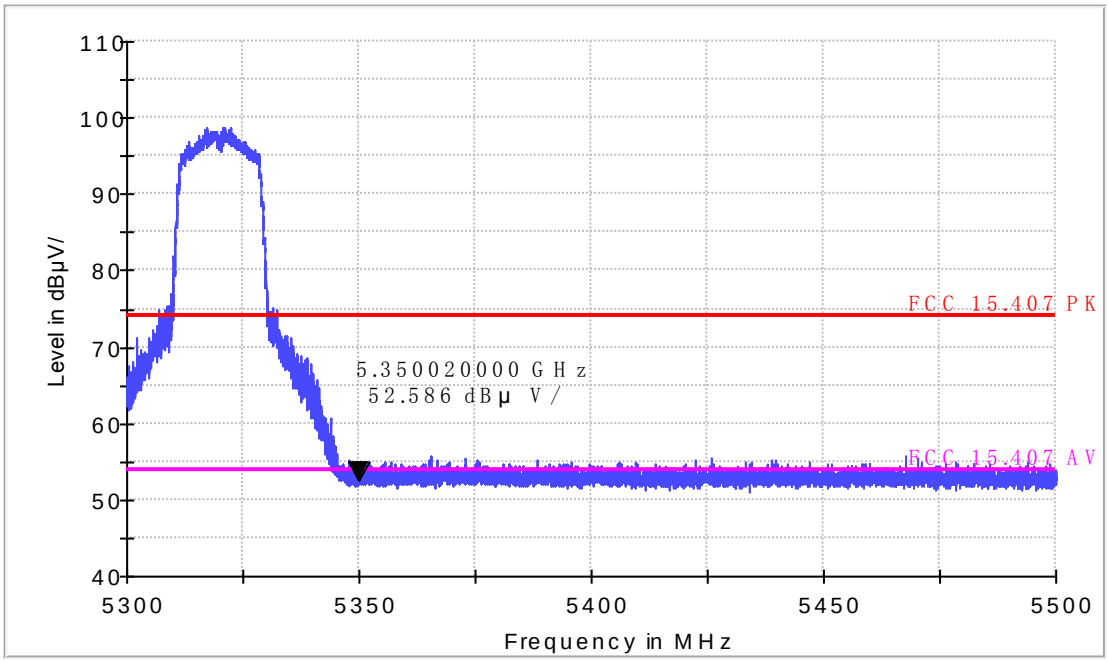
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH64
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 Bandedge-PK



Radiated Emission

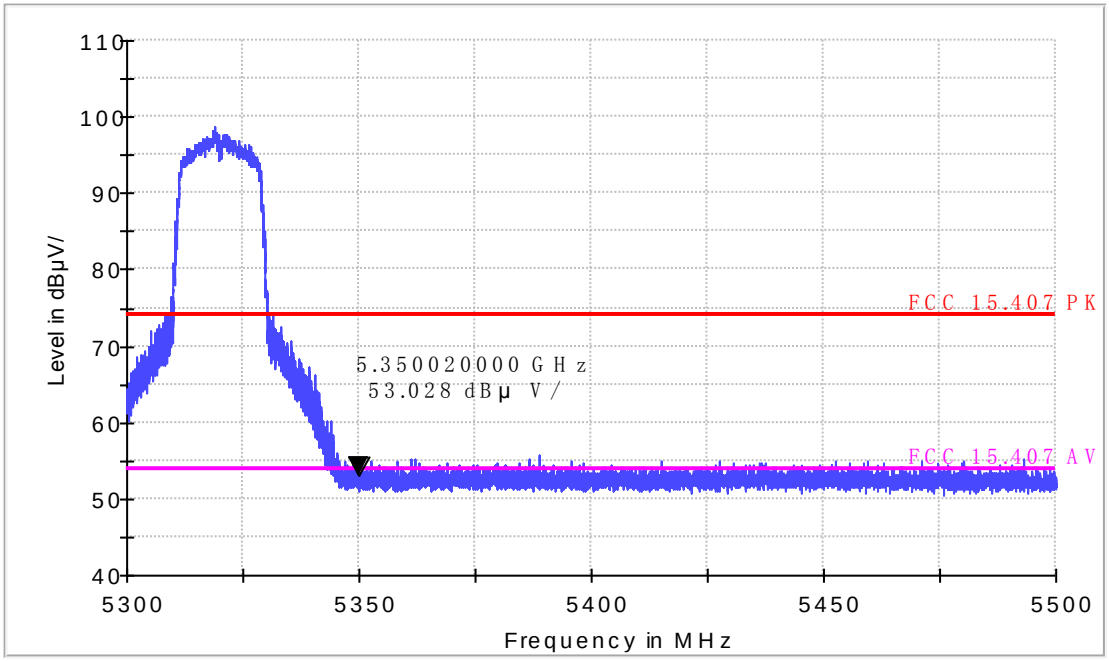
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 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 Bandedge-PK



Radiated Emission

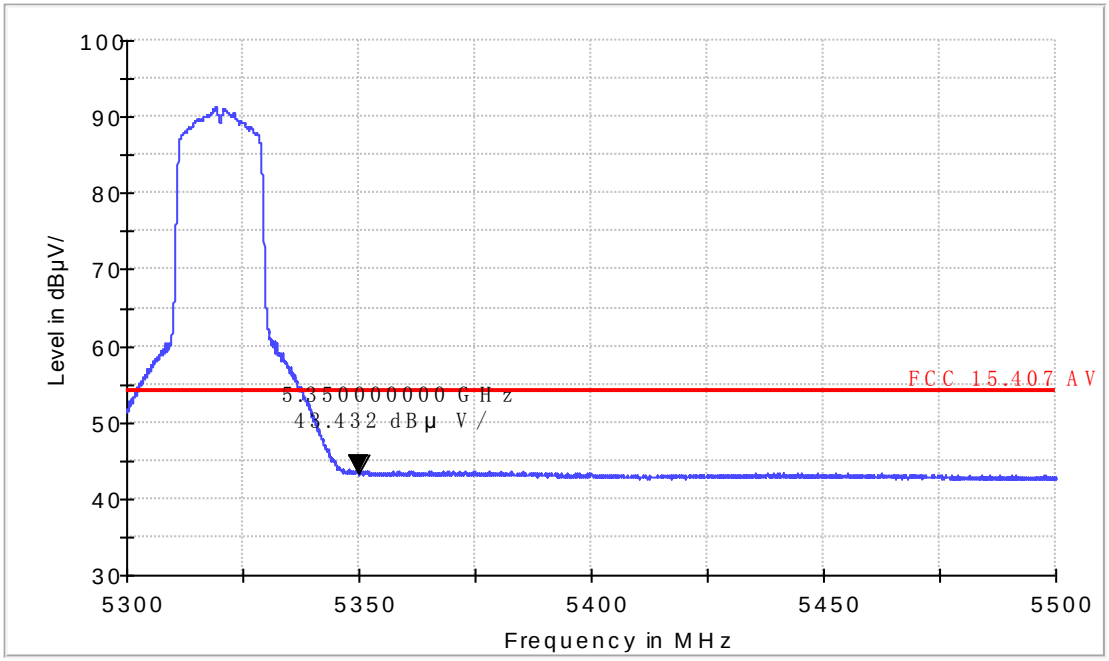
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH64
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 Bandedge-AV



Radiated Emission

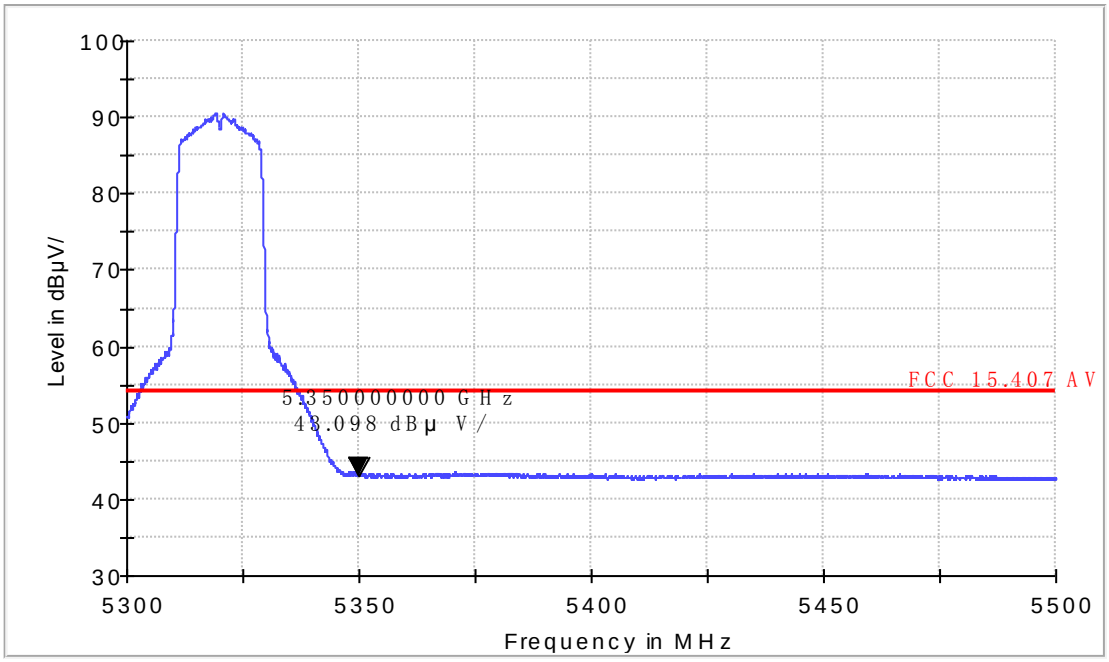
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 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 Bandedge-AV



Band edge

11n HT40 IN THE 5.3GHz BAND

CH62

Radiated Emission

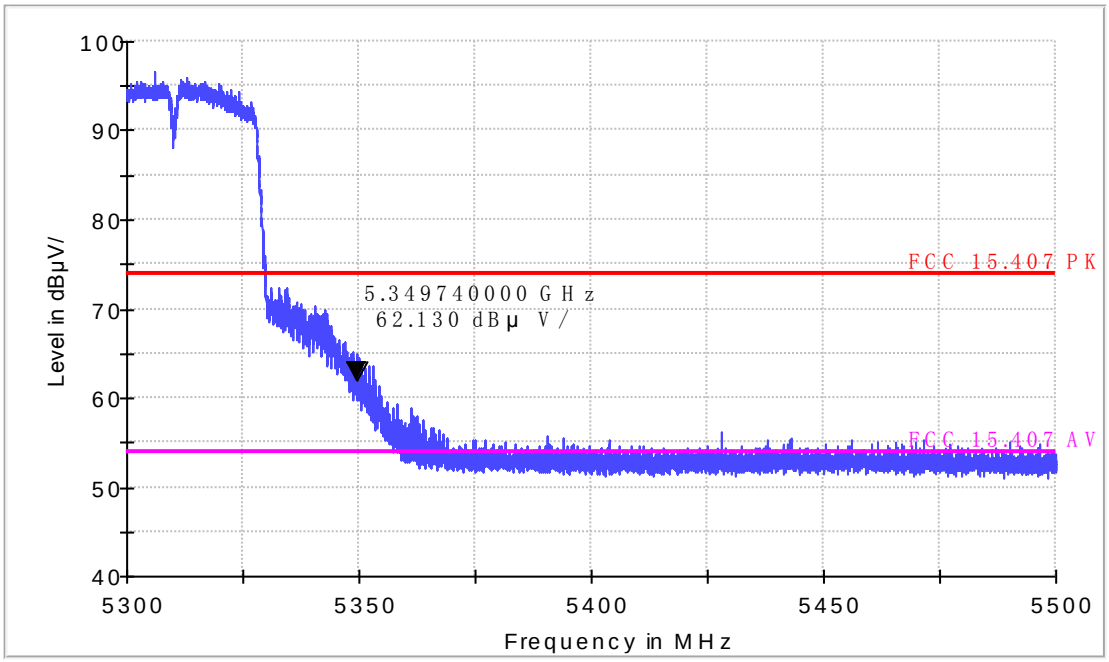
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH62
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 Bandedge-PK



Radiated Emission

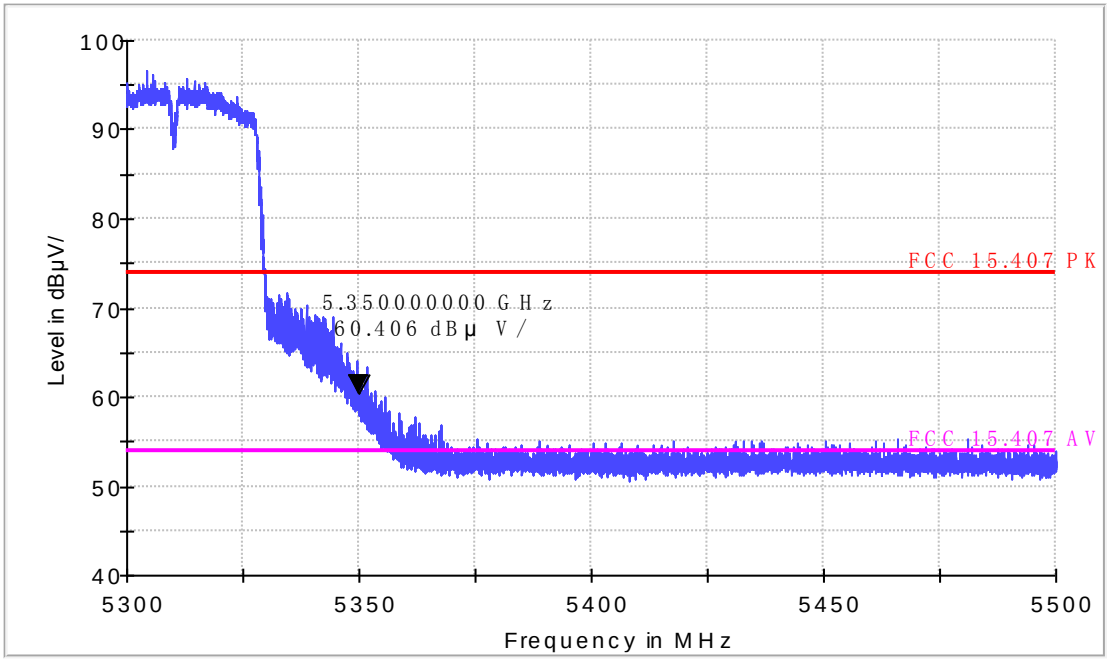
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 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 Bandedge-PK



Radiated Emission

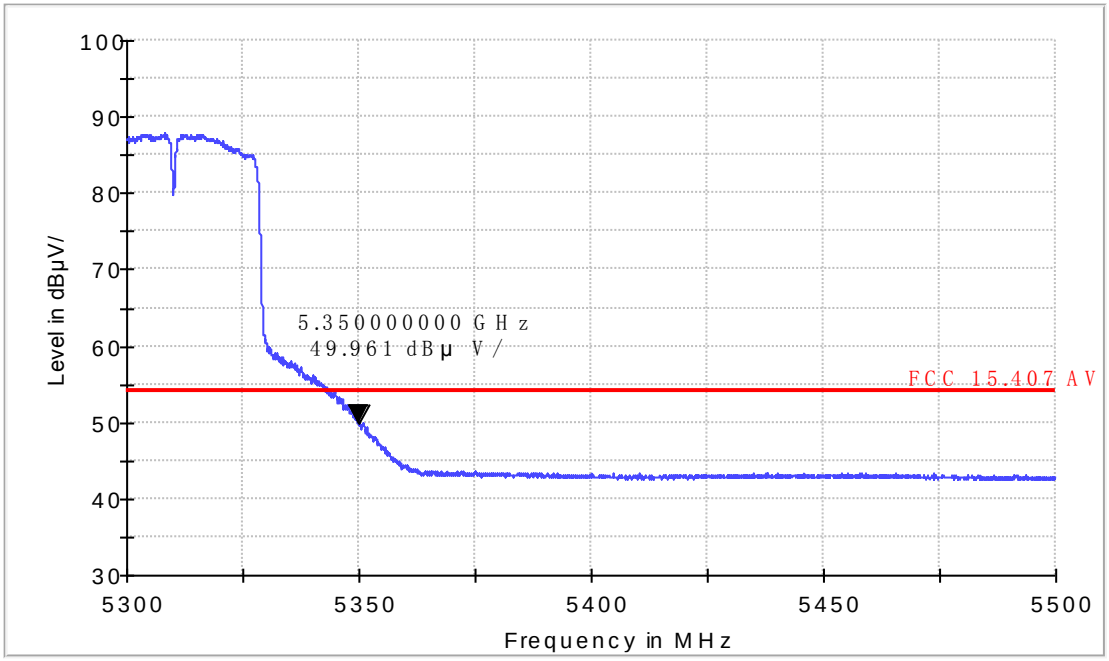
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH62
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 Bandedge-AV



Radiated Emission

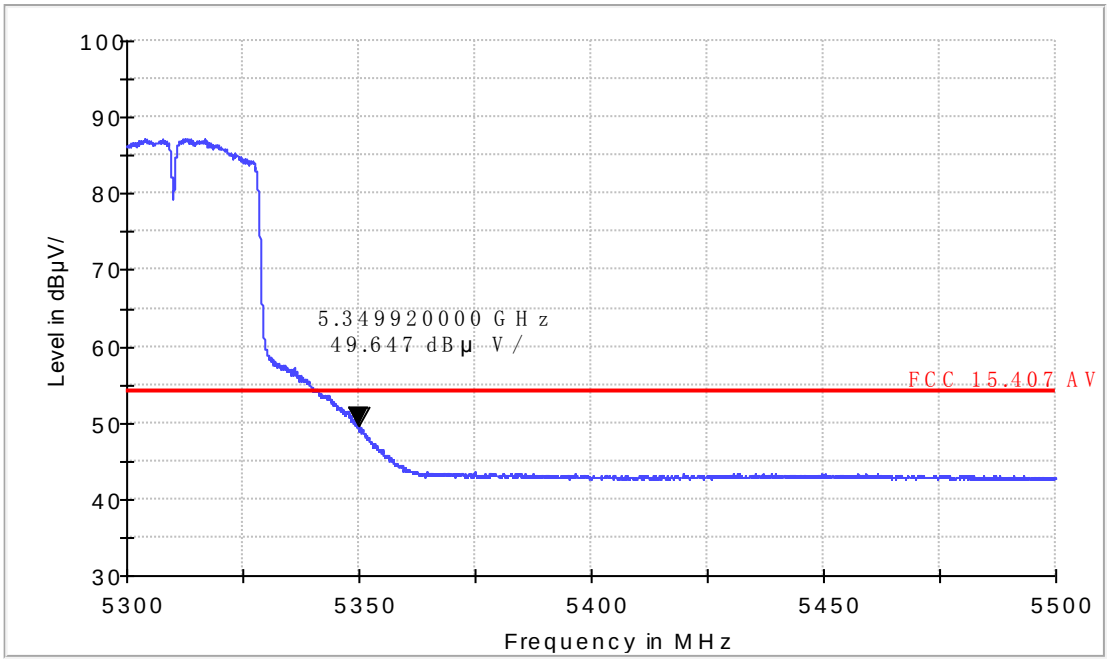
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 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 Bandedge-AV



Band edge

11a IN THE 5.8GHz BAND

CH149

Radiated Emission

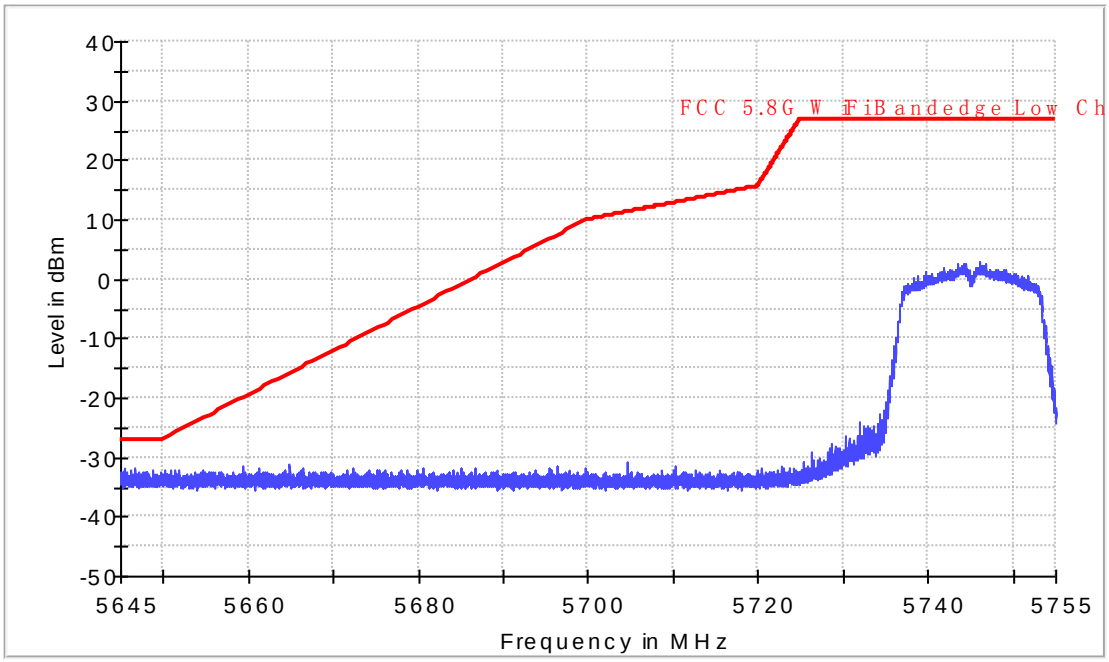
EUT Information

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

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

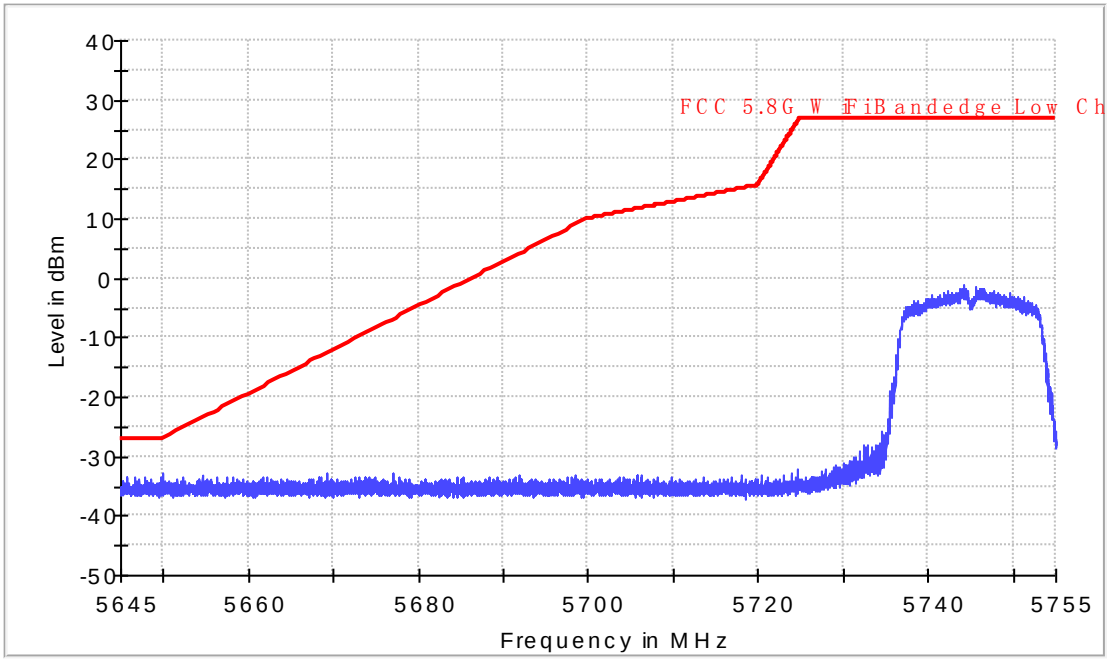
EUT Information

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 WiFi 5.8GHz Bandedge-PK



Band edge

11a IN THE 5.8GHz BAND

CH165

Radiated Emission

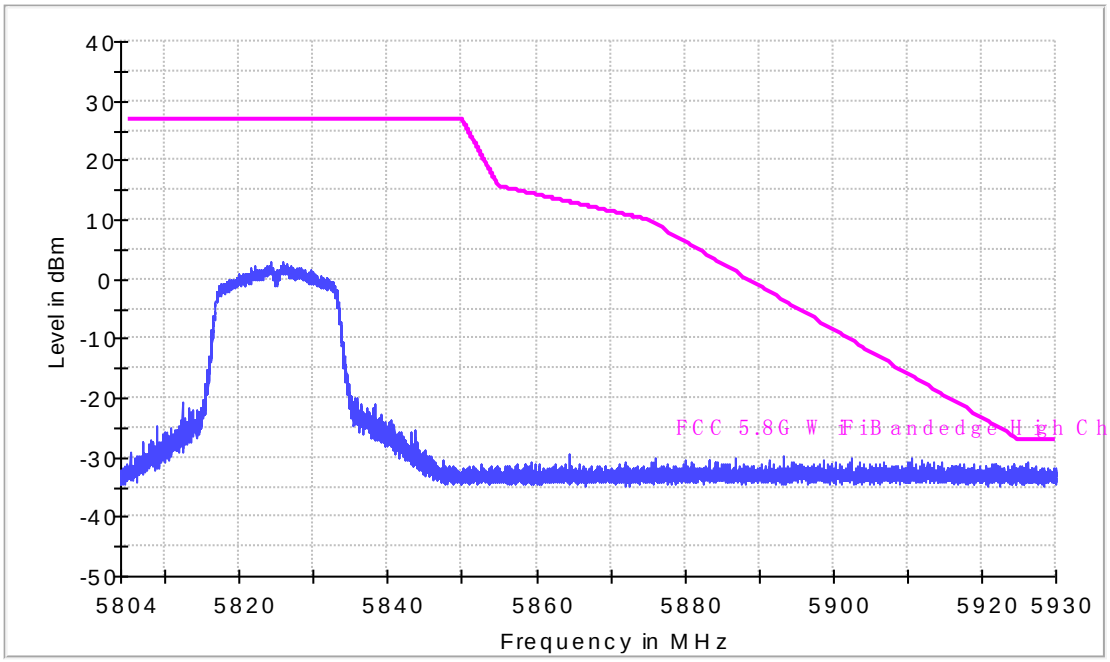
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH165
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



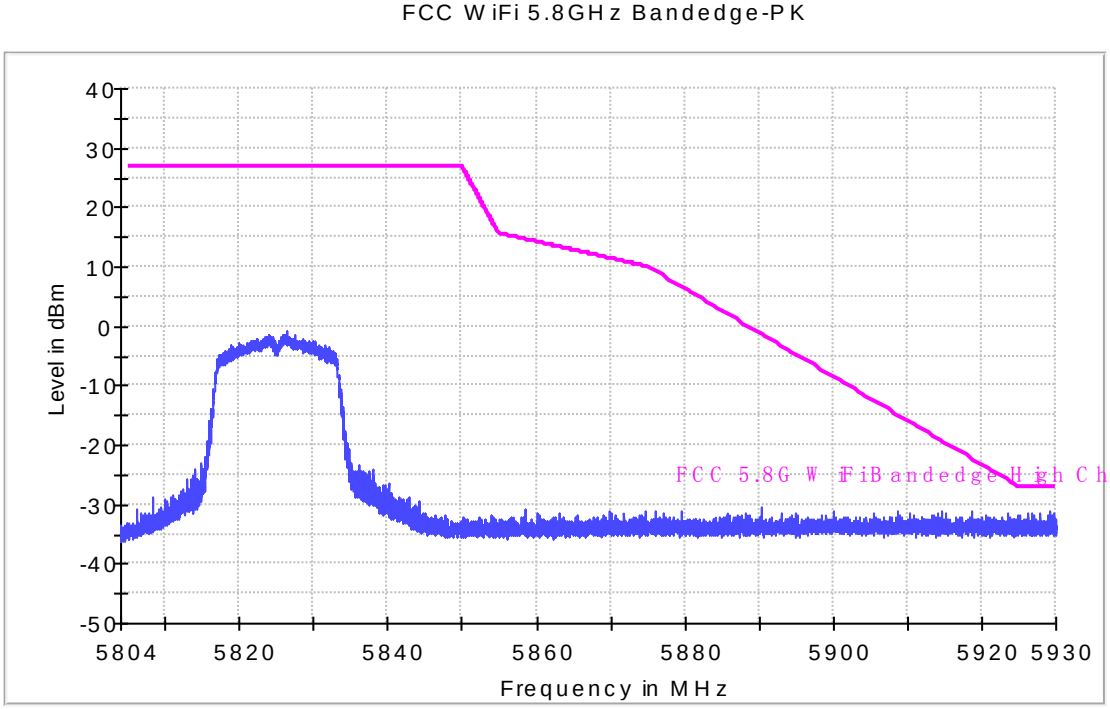
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH165
Test Voltage:	
Comment:	

Common Information

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



Band edge

11n HT20 IN THE 5.8GHz BAND

CH149

Radiated Emission

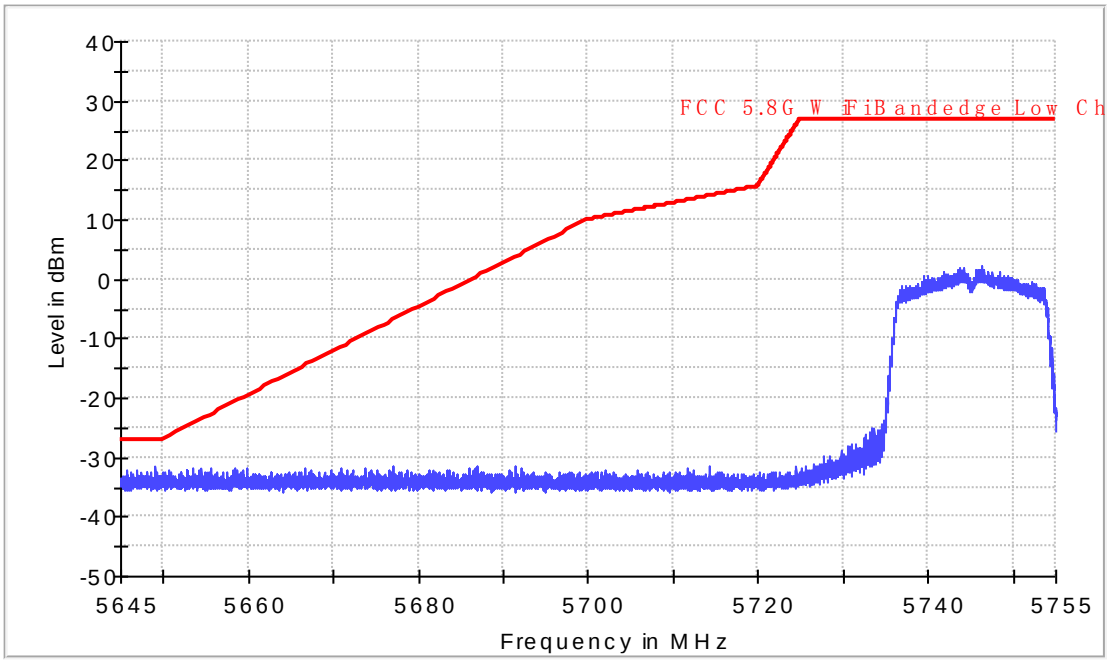
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH149
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

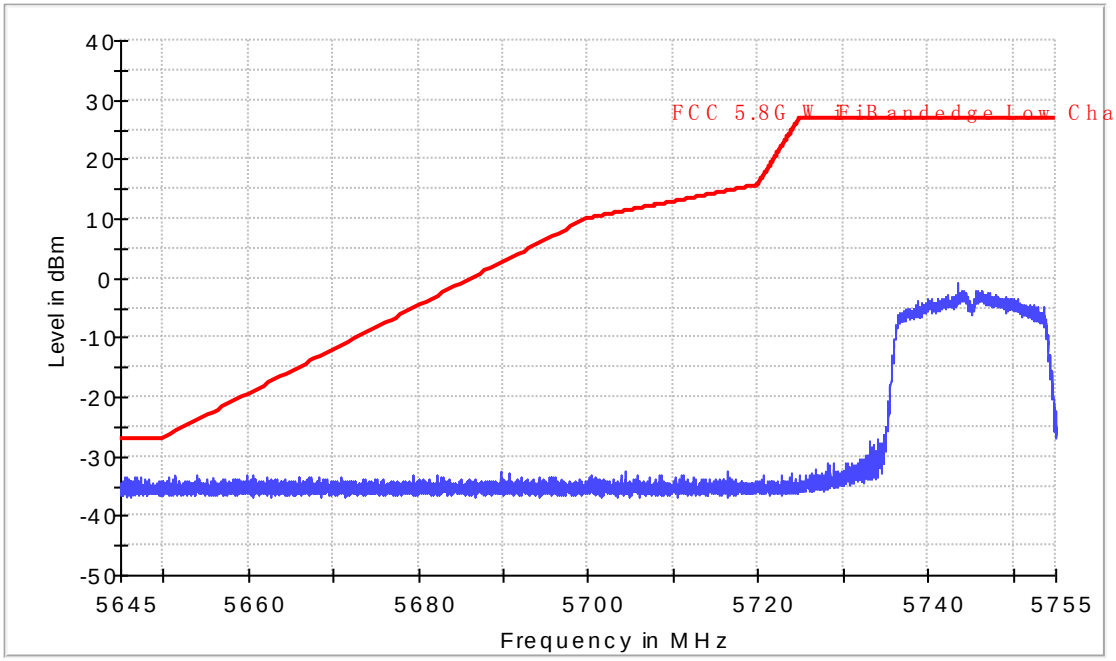
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH149
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT20 IN THE 5.8GHz BAND

CH165

Radiated Emission

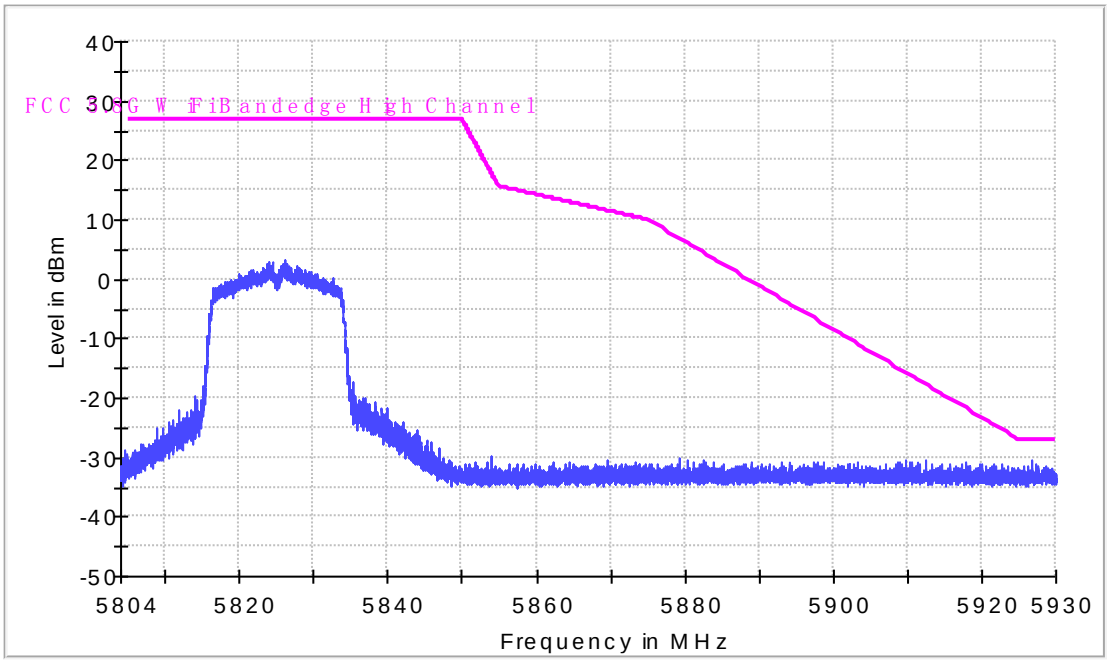
EUT Information

EUT Model Name:	7071A
Operation mode:	11n20 CH165
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

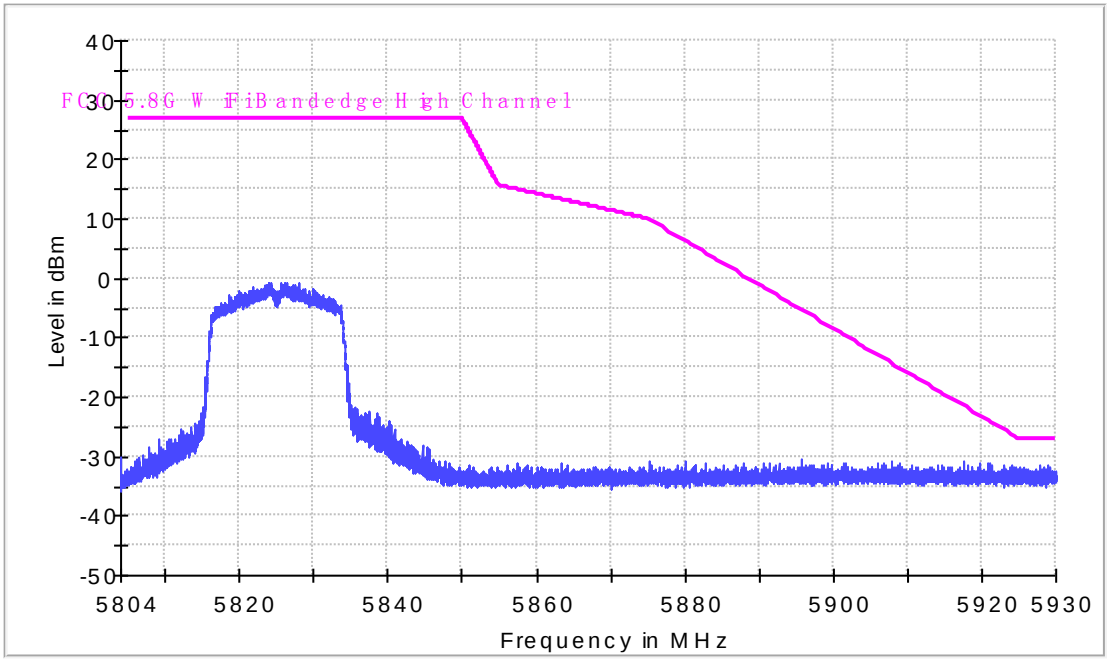
EUT Information

EUT Model Name:	7071A
Operation mode:	11n20 CH165
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT40 IN THE 5.8GHz BAND

CH151

Radiated Emission

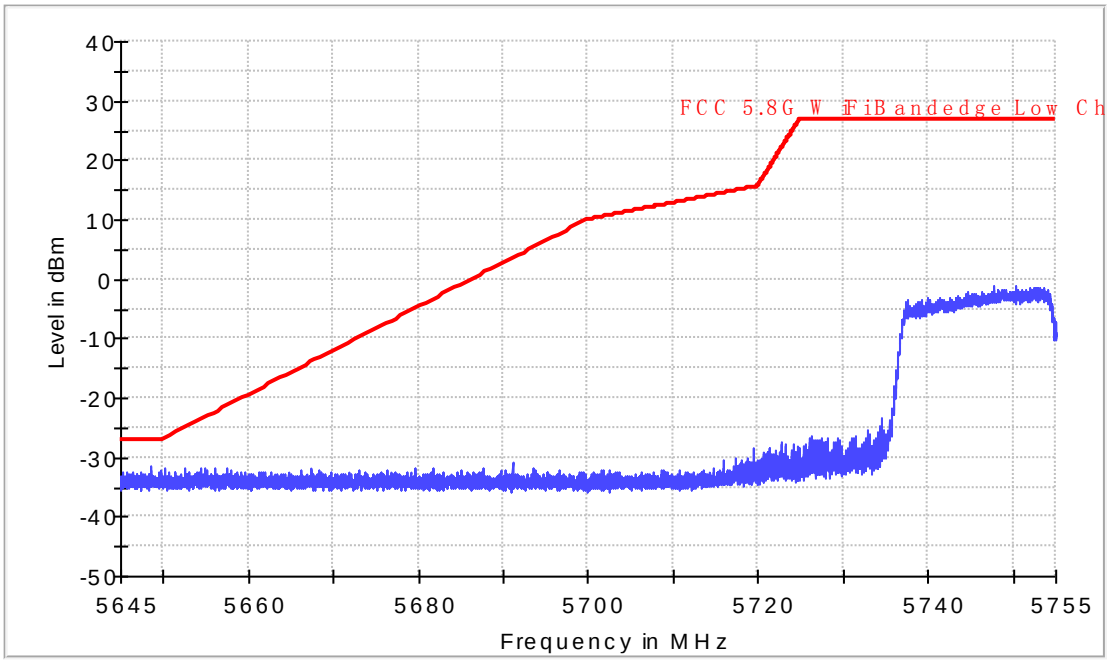
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH151
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Radiated Emission

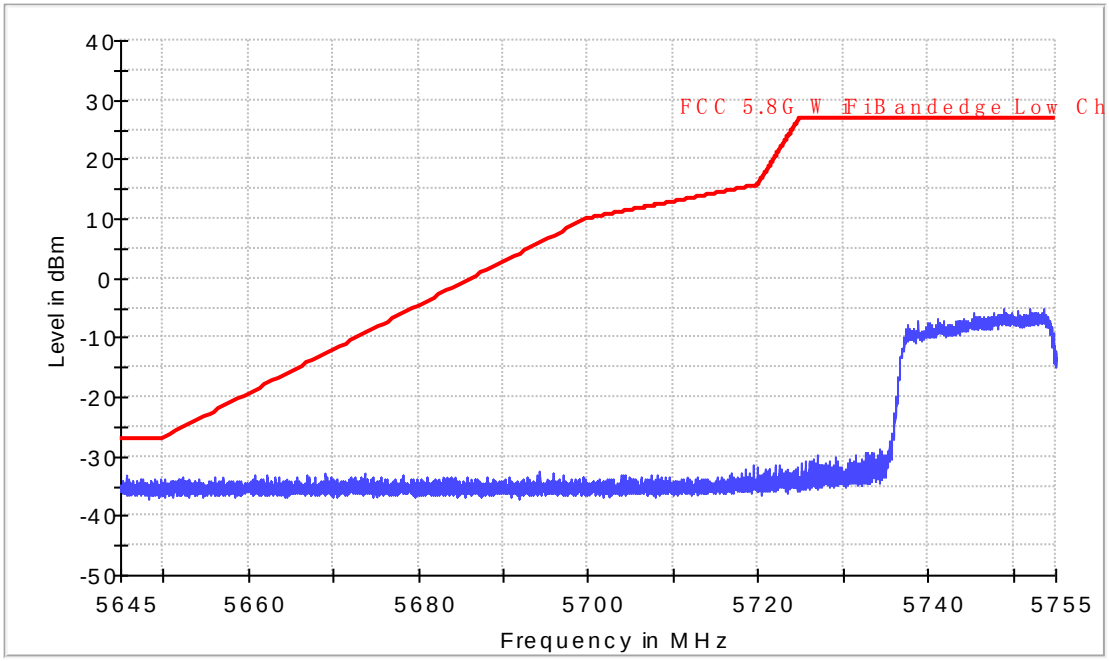
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH151
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



Band edge

11n HT40 IN THE 5.8GHz BAND

CH159

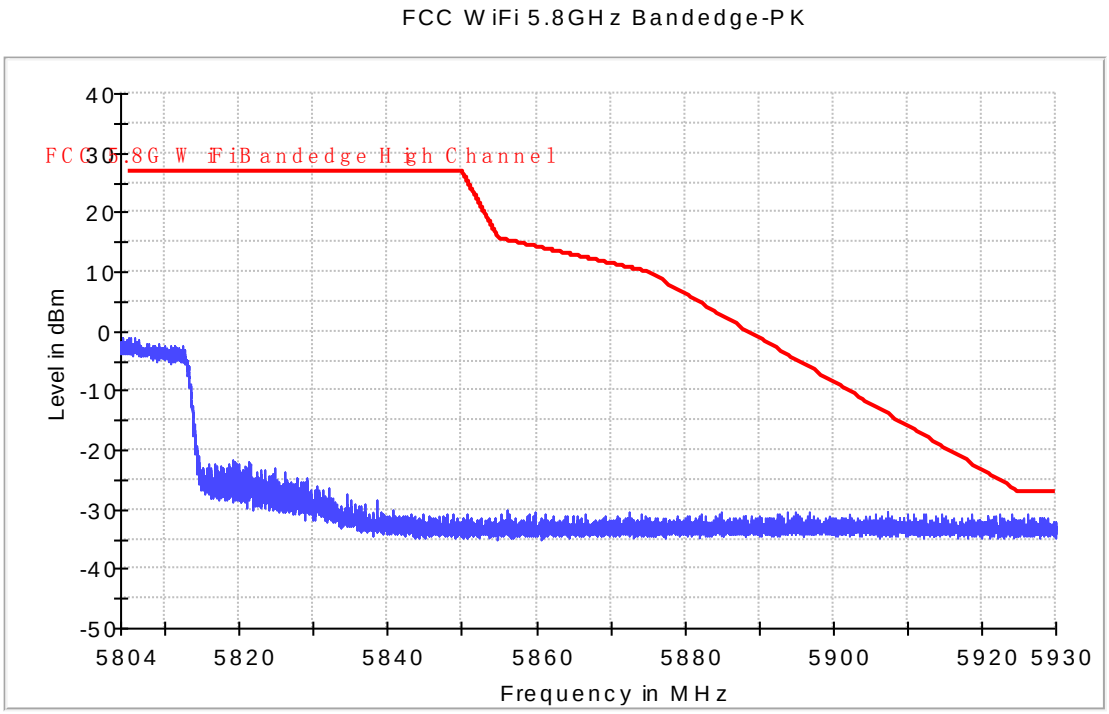
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11n40 CH159
Test Voltage:	
Comment:	

Common Information

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



Radiated Emission

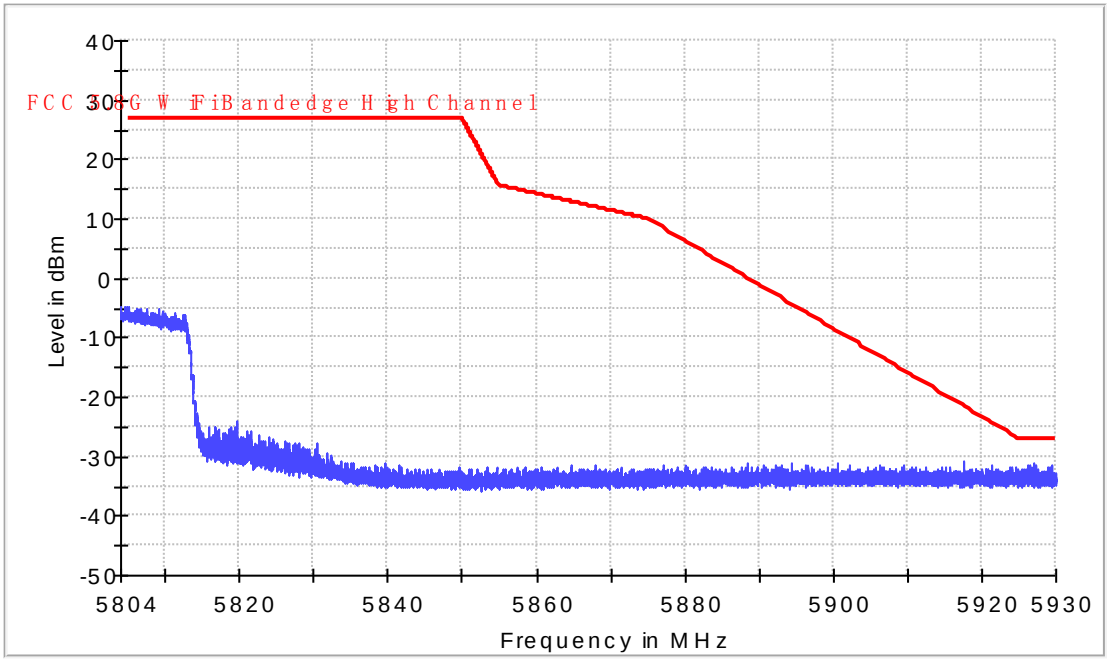
EUT Information

EUT Model Name:	7071A
Operation mode:	11n40 CH159
Test Voltage:	
Comment:	

Common Information

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

FCC WiFi 5.8GHz Bandedge-PK



11. CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT

11.1. Test Standard and Limit

11.1.1. Test Standard

FCC Part 15 15.207

11.1.2. Test Limit

Table 35 Conducted Disturbance Test Limit

Frequency	Maximum RF Line Voltage (dBμV)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

* Decreasing linearly with logarithm of the frequency
* The lower limit shall apply at the transition frequency.

11.2. Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions form both sides of AC line. According to the requirements of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.
The bandwidth of EMI test receiver is set at 9kHz.

11.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

11.4. Test Data

The emissions don’t show in below are too low against the limits. Refer to the test curves.

Table 36 Conducted Disturbance Test Data

Model No.: 7071A
Test mode: Charging and Transmitting
Adaptor:1#

	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)
Line	0.186	9.7	40.1	49.8	64.2	24.2	33.9	54.2
	0.242	9.7	33.4	43.1	62.0	19.8	29.5	52.0
	0.418	9.7	33.1	42.8	57.5	22.7	32.4	47.5
	0.542	9.8	33.3	43.1	56	22.7	32.5	46
	0.590	9.8	34.0	43.8	56	23.5	33.3	46
	22.620	10.2	30.1	40.3	60	18.1	28.3	50
Neutral	0.198	9.7	40.4	50.1	63.7	24.2	33.9	53.7
	0.250	9.7	34.0	43.7	61.8	19.1	28.8	51.8
	0.418	9.7	32.0	41.7	57.5	21.5	31.2	47.5
	0.550	9.8	30.4	40.2	56	21.7	31.5	46
	0.662	9.8	29.7	39.5	56	21.4	31.2	46
	23.228	10.2	28.5	38.7	60	16.5	26.7	50

Table 37 Conducted Disturbance Test Data

Model No.: 7071A
Test mode: Charging and Transmitting
Adaptor:2#

	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)
Line	0.170	9.7	34.1	43.8	65.0	21.1	30.8	55.0
	0.542	9.8	37.7	47.5	56	25.9	35.7	46
	0.654	9.8	36.1	45.9	56	21.2	31.0	46
	2.558	9.9	27.9	37.8	56	14.2	24.1	46
	17.000	9.9	37.7	47.6	60	23.6	33.5	50
	24.844	10.2	40.5	50.7	60	24.1	34.3	50
Neutral	0.162	9.7	32.8	42.5	65.4	23.4	33.1	55.4
	0.582	9.8	32.8	42.6	56	26.7	36.5	46
	0.646	9.8	39.6	49.4	56	34.8	44.6	46
	1.290	9.8	26.1	35.9	56	19.1	28.9	46
	15.152	9.9	35.9	45.8	60	27.5	37.4	50
	25.236	10.2	43.1	53.3	60	21.9	32.1	50

Table 38 Conducted Disturbance Test Data

Model No.: 7071A

Test mode: Charging and Transmitting

Adaptor:3#

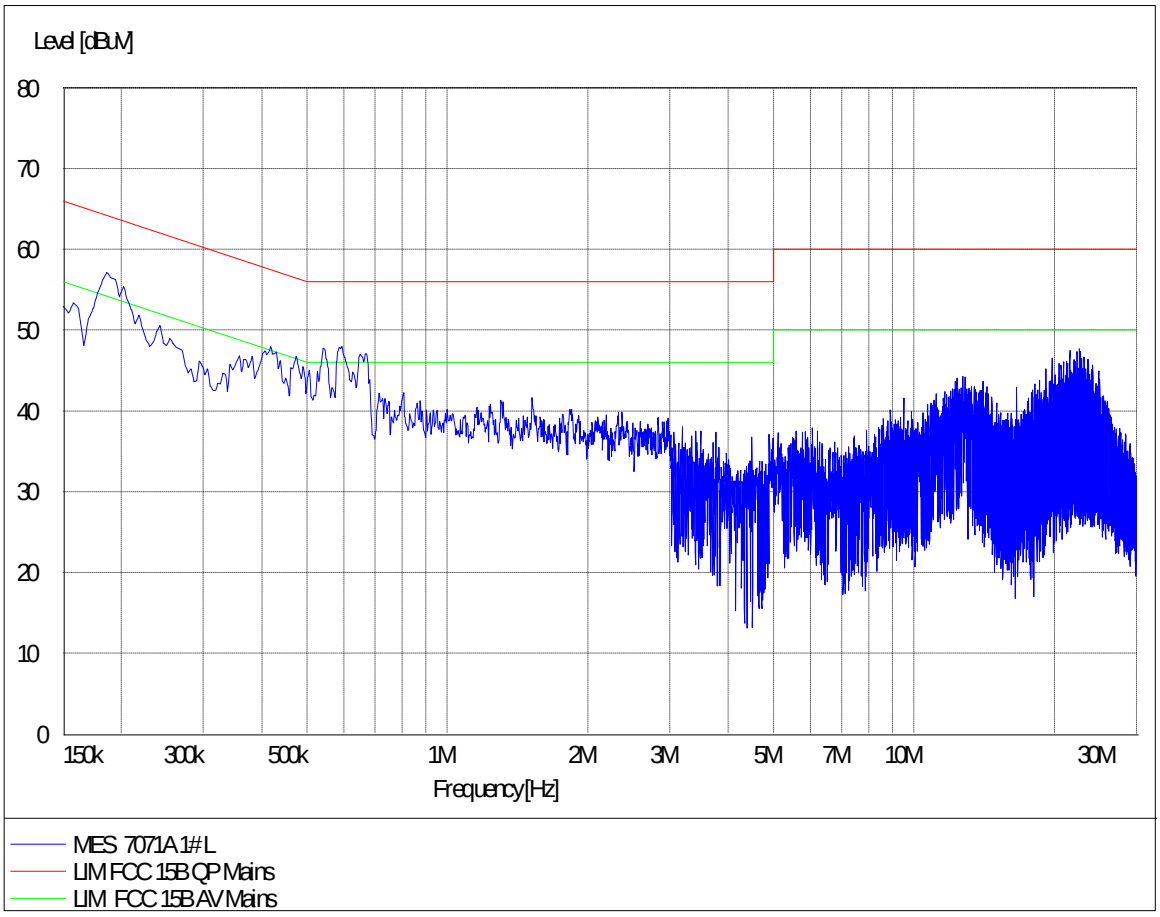
	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)
Line	0.150	9.7	32.1	41.8	66	18.7	28.4	56
	0.562	9.8	32.1	41.9	56	25.6	35.4	46
	0.602	9.8	31.0	40.8	56	24.4	34.2	46
	1.542	9.8	30.7	40.5	56	24.6	34.4	46
	1.742	9.8	31.4	41.2	56	25.5	35.3	46
	1.890	9.8	31.5	41.3	56	24.9	34.7	46
Neutral	0.154	9.7	33.0	42.7	65.8	8.7	18.4	55.8
	0.562	9.8	28.9	38.7	56	19.3	29.1	46
	0.622	9.8	23.0	32.8	56	11.3	21.1	46
	0.858	9.8	20.3	30.1	56	8.3	18.1	46
	1.670	9.8	27.0	36.8	56	13.7	23.5	46
	1.898	9.8	26.3	36.1	56	12.8	22.6	46

REMARKS: 1. Emission level(dBuV)=Read Value(dBuV) + Correction Factor(dB)

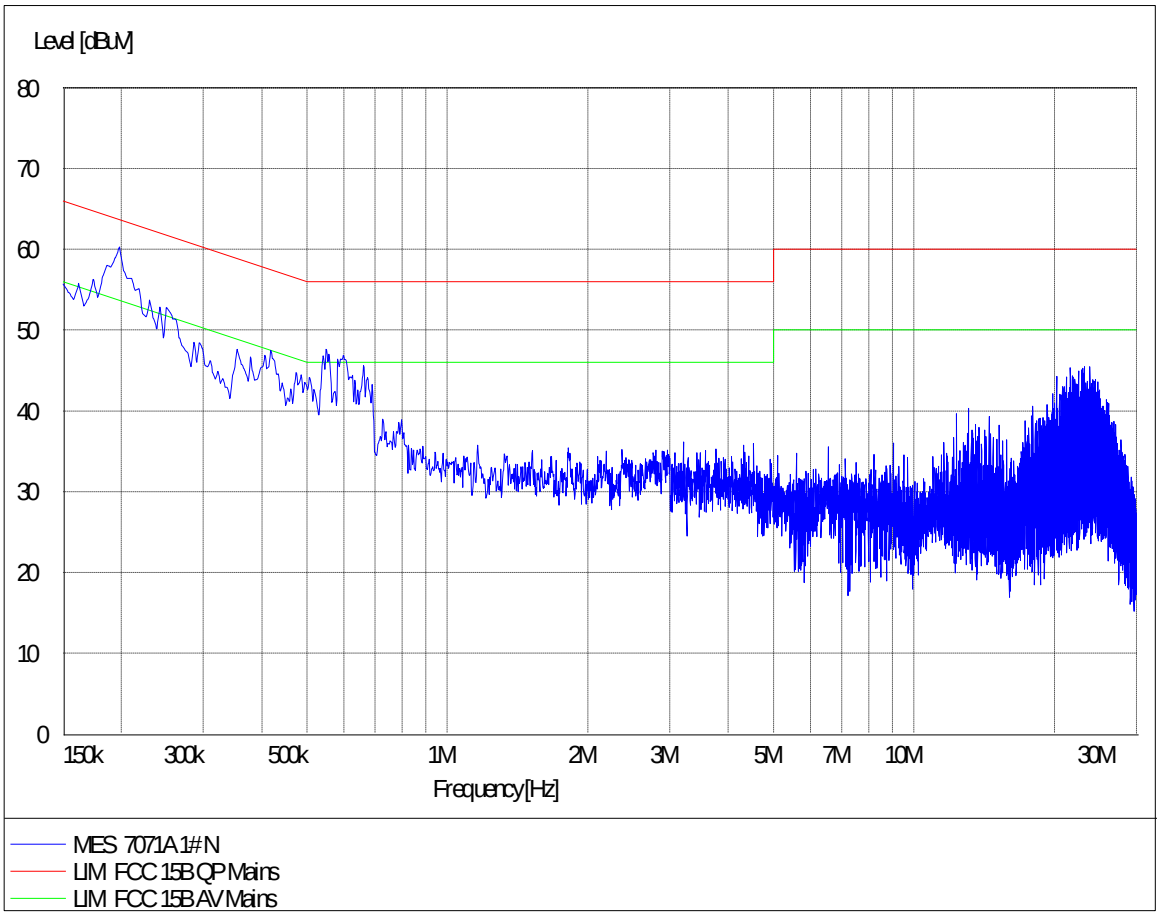
2. Correction Factor(dB) =LISN Factor (dB) + Cable Factor (dB)+Limiter Factor(dB)

3. The other emission levels were very low against the limit.

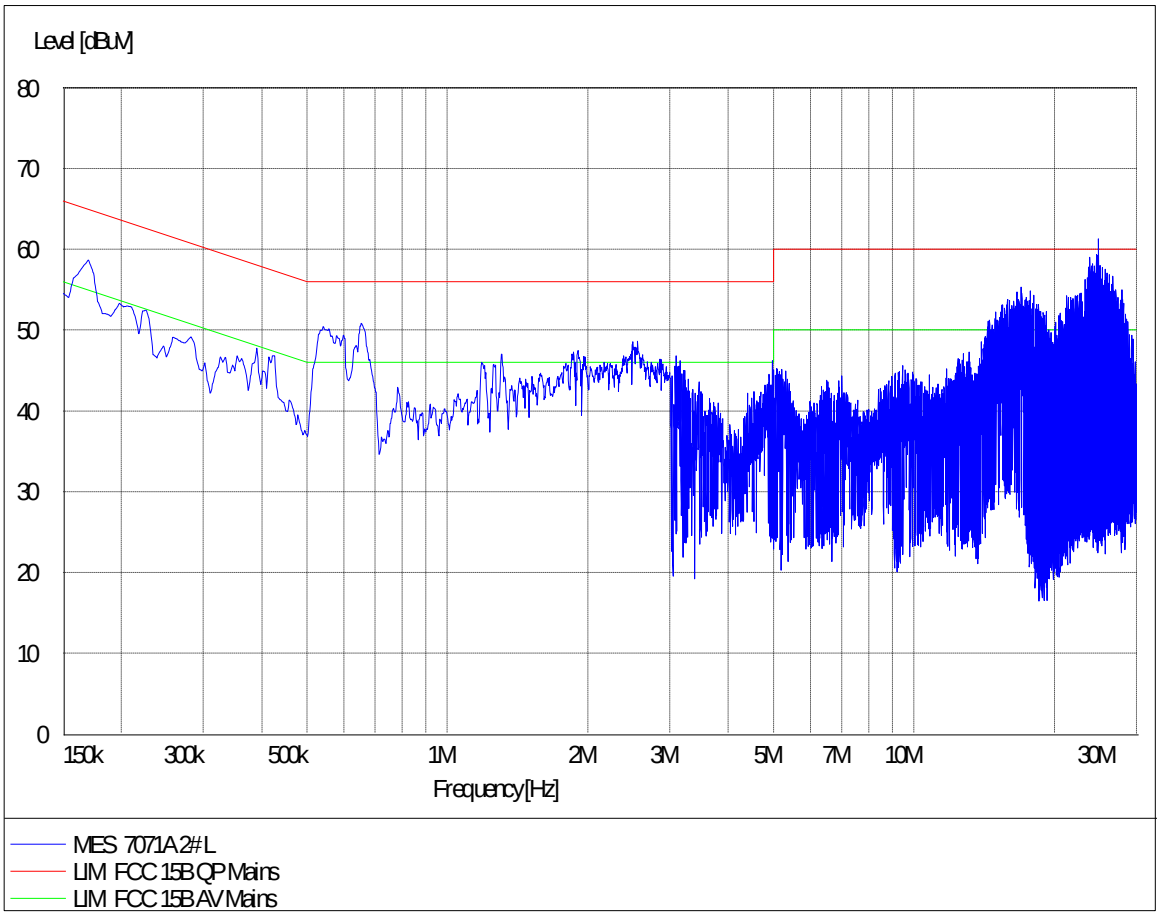
EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: L
Comment: AC 120V/60Hz
Comment: Adaptor: 1#



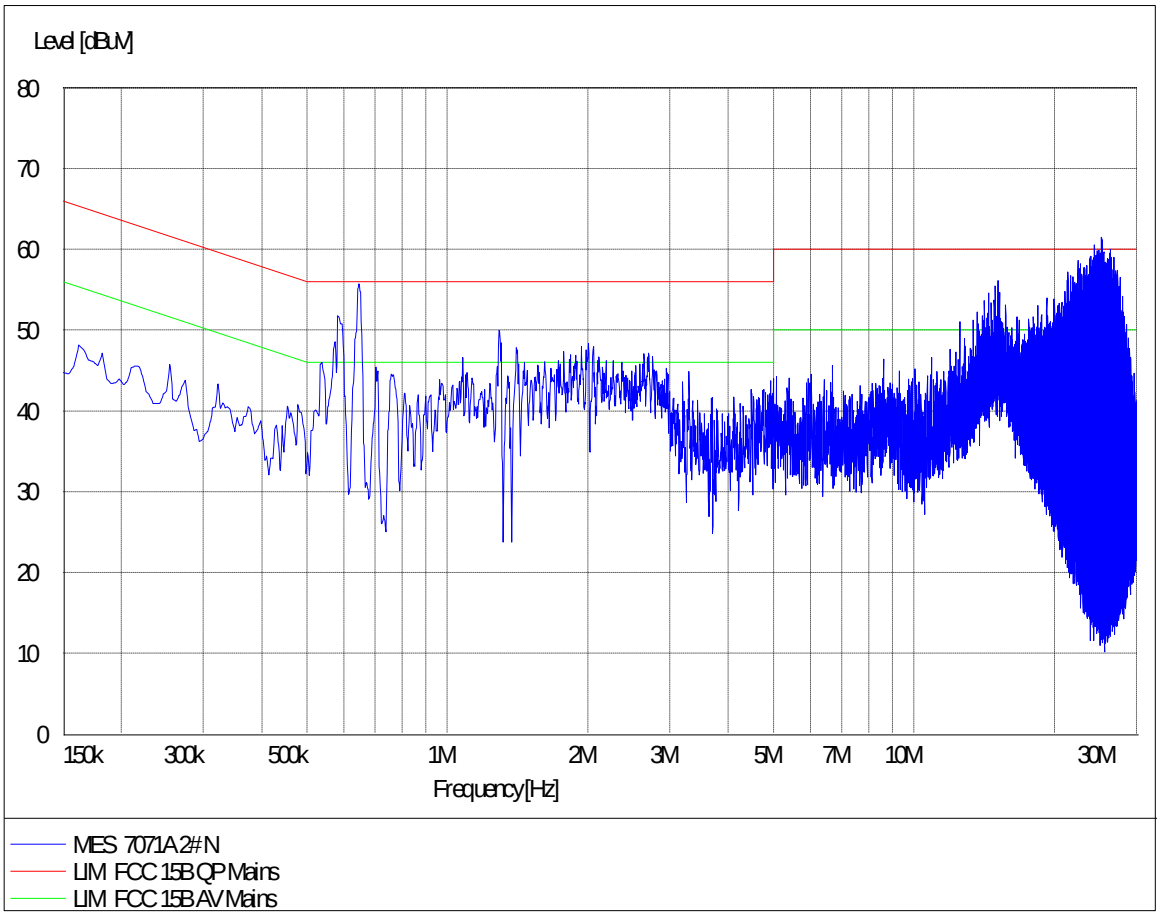
EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: N
Comment: AC 120V/60Hz
Comment: Adaptor: 1#



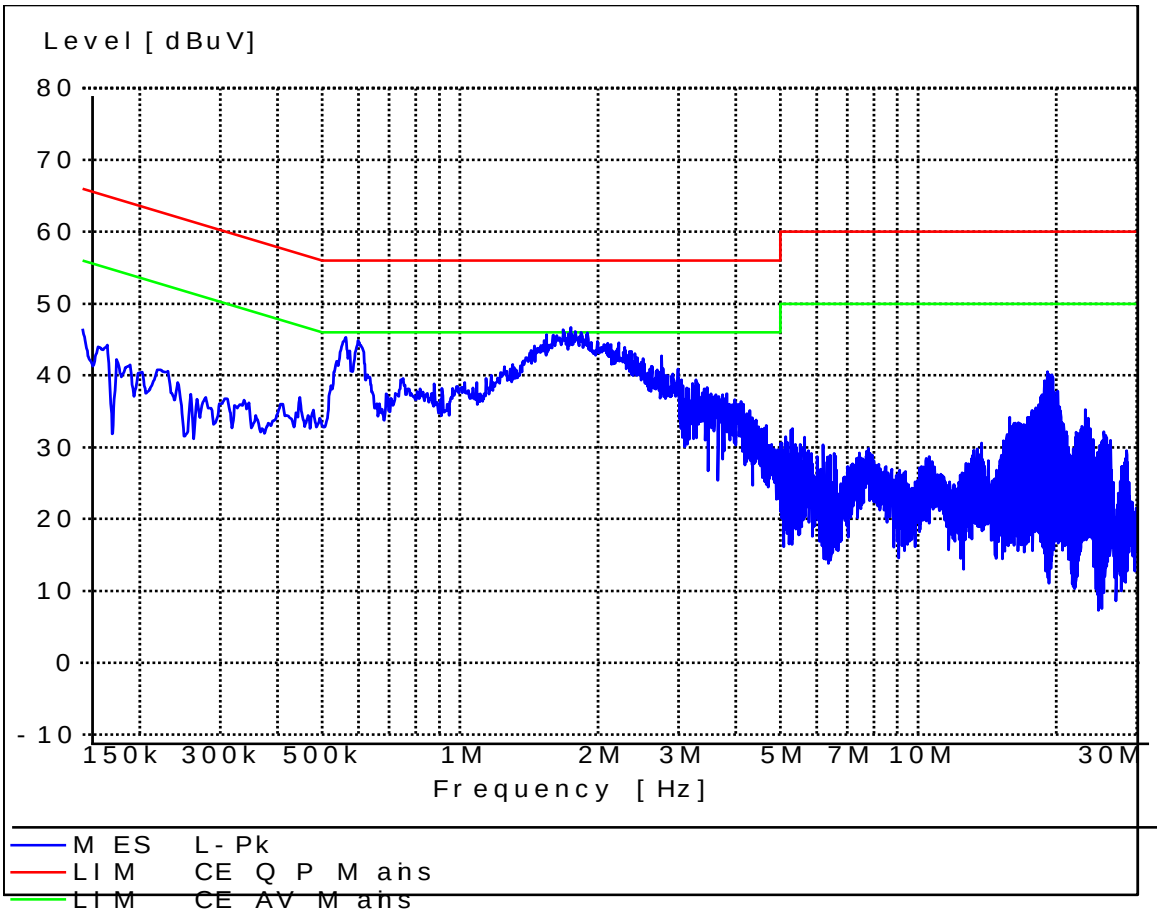
EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: L
Comment: AC 120V/60Hz
Comment: Adaptor: 2#



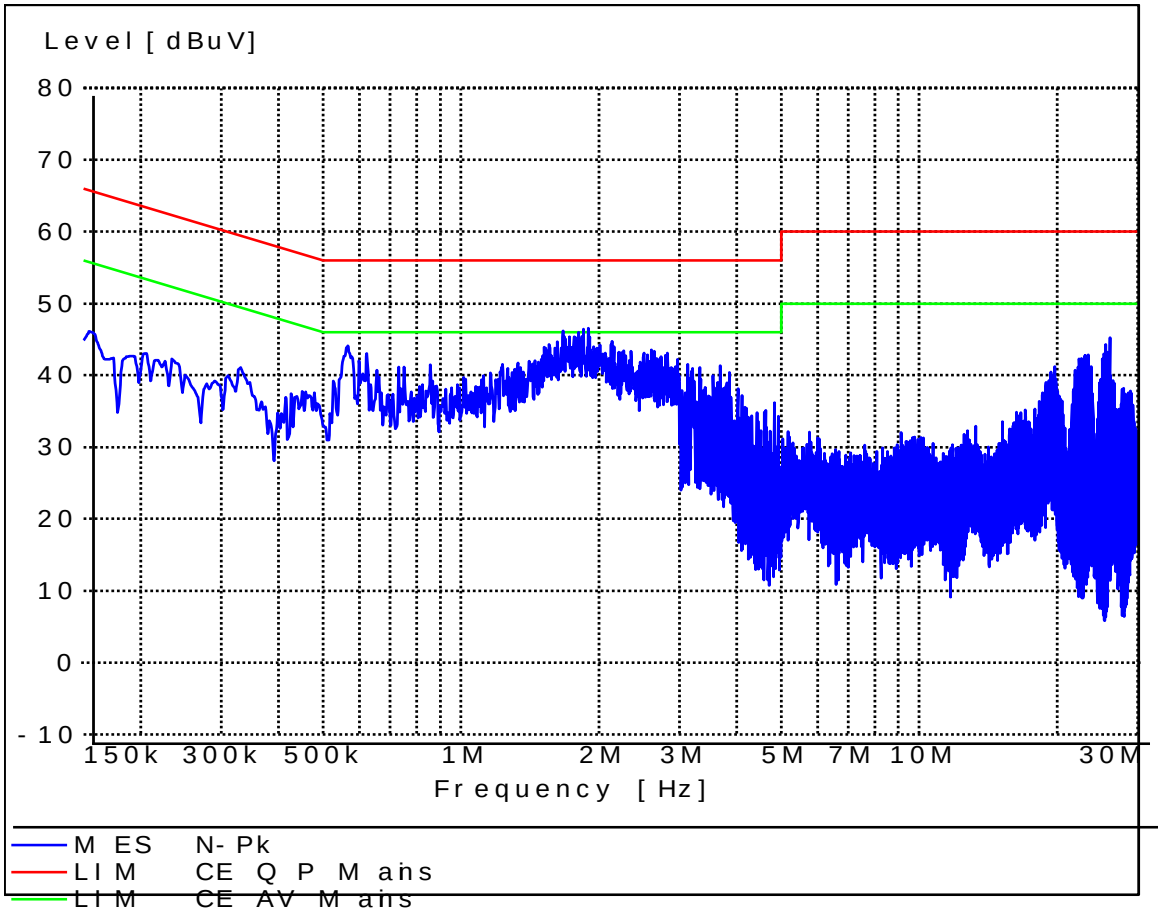
EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: N
Comment: AC 120V/60Hz
Comment: Adaptor: 2#



EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: L
Comment: AC 120V/60Hz
Comment: Adaptor: 3#



EUT: 7071A
Manufacturer:
Operating Condition: Charging and Transmitting
Test Site:
Operator:
Test Specification: N
Comment: AC 120V/60Hz
Comment: Adaptor: 3#



12. FREQUENCY STABILITY

12.1. LIMITS OF Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that anemission is maintained within the band of operation under all conditions of normal operation asspecified in the user's manual.

12.2. TEST PROCEDURE

The EUT was placed inside of an environmental chamber as the temperrature in chamber was varied between -30℃ and +50℃.The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transimitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

12.3. TEST DATA

Measurement Results vs. Variation of Temperature－UNII Band1(CH 36)

Voltage	Temperature	Frequency (Hz)	Measured Frequency Error(Hz)
DC 3.8V	-30 °C	5,180,000,037	37
	-20 °C	5,179,999,888	-112
	-10 °C	5,180,000,021	21
	0 °C	5,180,000,243	243
	+10 °C	5,180,000,096	96
	+20 °C	5,180,000,037	37
	+30 °C	5,180,000,873	-127
	+40 °C	5,179,999,.961	-39
	+50 °C	5,179,999,897	-103
DC 3.5V	+20 °C	5,180,000,207	207
DC 4.35V	+20 °C	5,180,000,095	95

Measurement Results vs. Variation of Temperature－UNII Band2A(CH 52)

Voltage	Temperature	Frequency (Hz)	Measured Frequency Error(Hz)
DC 3.8V	-30 °C	5,259,999,927	-73
	-20 °C	5,260,000,214	214
	-10 °C	5,260,000,039	39
	0 °C	5,260,000,062	32
	+10 °C	5,259,999,919	-81
	+20 °C	5,259,999,892	-108
	+30 °C	5, 260,000,101	101
	+40 °C	5, 260,000,037	37
	+50 °C	5,259,999,839	-161
DC 3.5V	+20 °C	5,260,000,294	294
DC 4.35V	+20 °C	5,260,000,013	13

Measurement Results vs. Variation of Temperature－UNII Band3 (CH149)

Voltage	Temperature	Frequency (MHz)	Measured Frequency Error(Hz)
DC 5V	-30 °C	5,745,000,093	93
	-20 °C	5,745,000,184	184
	-10 °C	5,745,000,297	297
	0 °C	5,744,999,954	-46
	+10 °C	5,744,999,973	-27
	+20 °C	5,745,000,102	102
	+30 °C	5,745,000,187	187
	+40 °C	5,745,000,093	93
	+50 °C	5,745,000,056	56
DC 4.8V	+20 °C	5,745,000,037	37
DC 5.3V	+20 °C	5,745,000,893	-108

13. ANTENNA REQUIREMENTS

13.1. Applicable requirements

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

13.2. Antenna Connector

Antenna Connector is on the PCB within enclosure and not accessible to user.

13.3. Antenna Gain

The antenna gain of EUT is less than 6 dBi.