

F3_PK_V

Test Report

Common Information

Test Description:

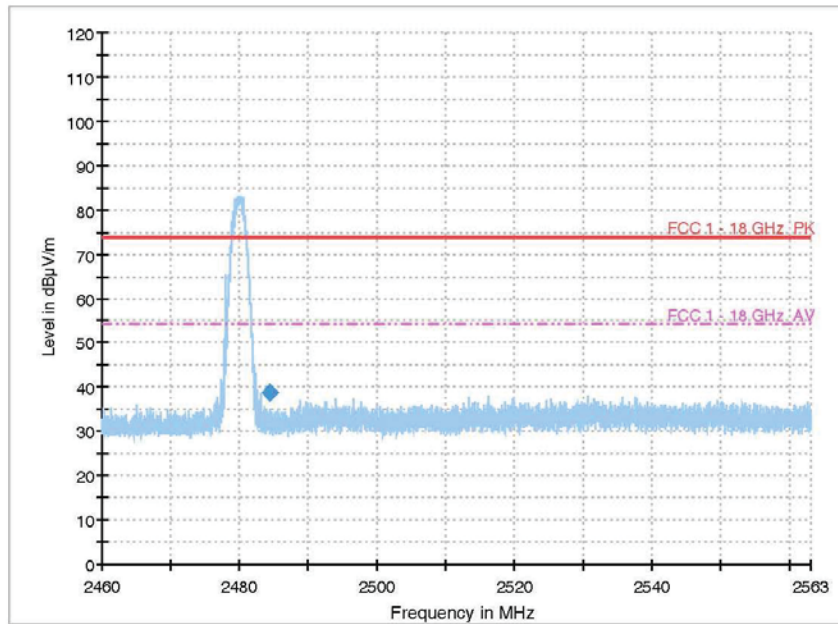
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2484.410	38.8	0	38.80	74	35.20

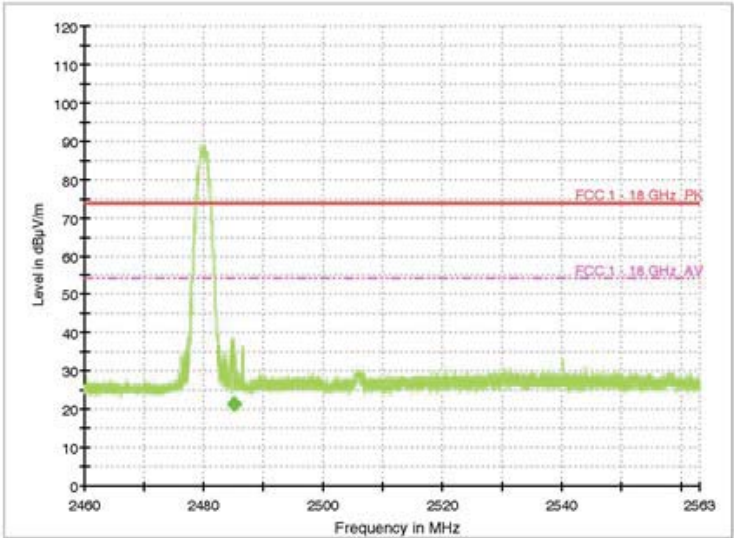
Note: The test performed worst axis (X axis)

F3_AV_H

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2485.030	21.42	2.06	23.48	54	30.52

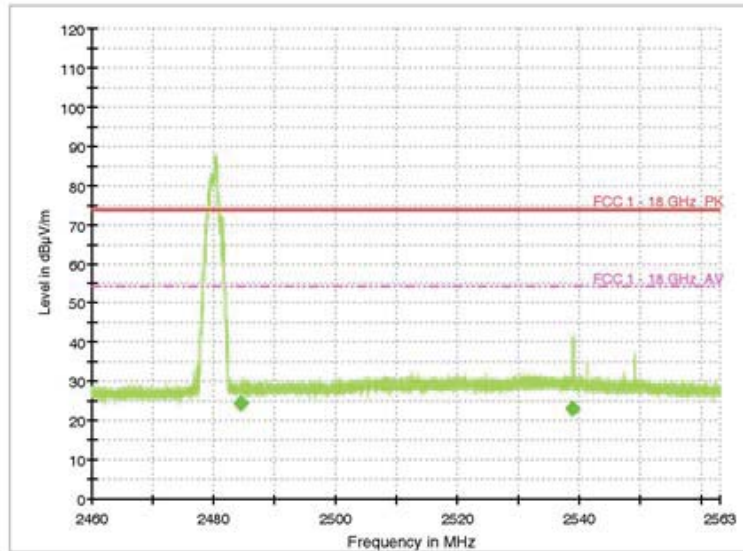
Note: The test performed worst axis (X axis)

F3_AV_V

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2484.380	19.96	2.06	22.02	54	31.98
2538.760	23.18	2.06	25.24	54	28.76

Note: The test performed worst axis (X axis)

2.5.5 Test Result (Spurious Emissions Above 9 kHz to Below 30 MHz)

9-30_F1_X_H

Test Report

Common Information

Test Description:

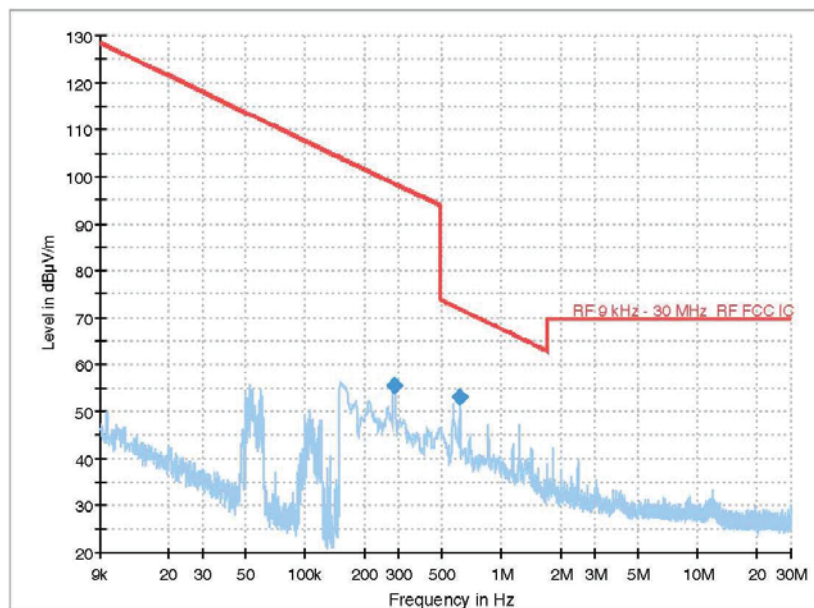
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.286	55.63	0	55.63	98.49	42.86
0.614	53.09	0	53.09	71.84	18.75

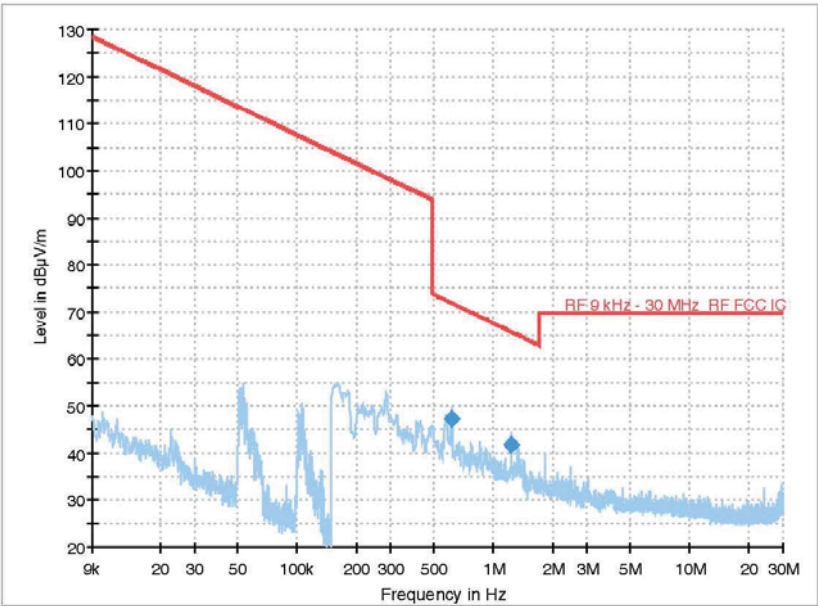
Note: The test performed worst axis (X axis)

9-30_F1_X_V

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.617	47.33	0	47.33	71.8	24.47
1.223	41.79	0	41.79	65.82	24.03

Note: The test performed worst axis (X axis)

9-30_F2_X_H

Test Report

Common Information

Test Description:

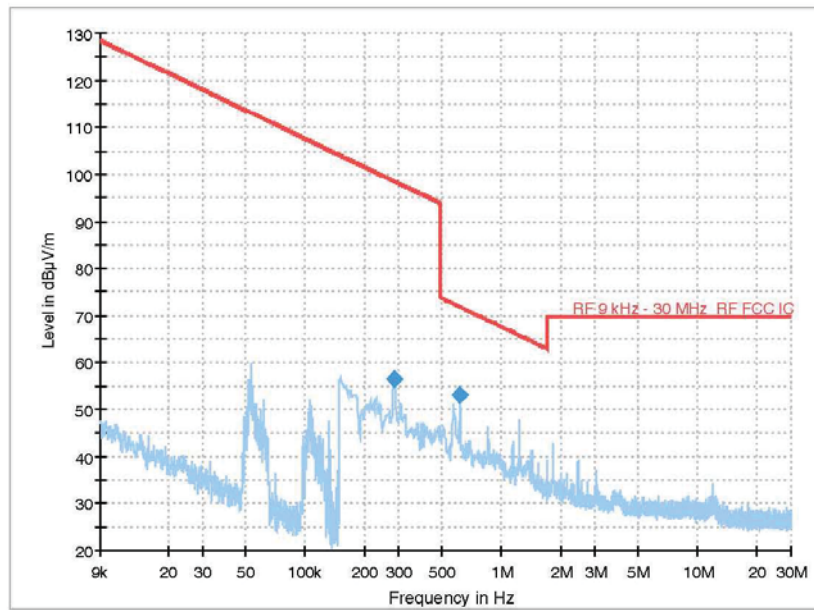
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.286	56.52	0	56.52	98.49	41.97
0.614	53.09	0	53.09	71.84	18.75

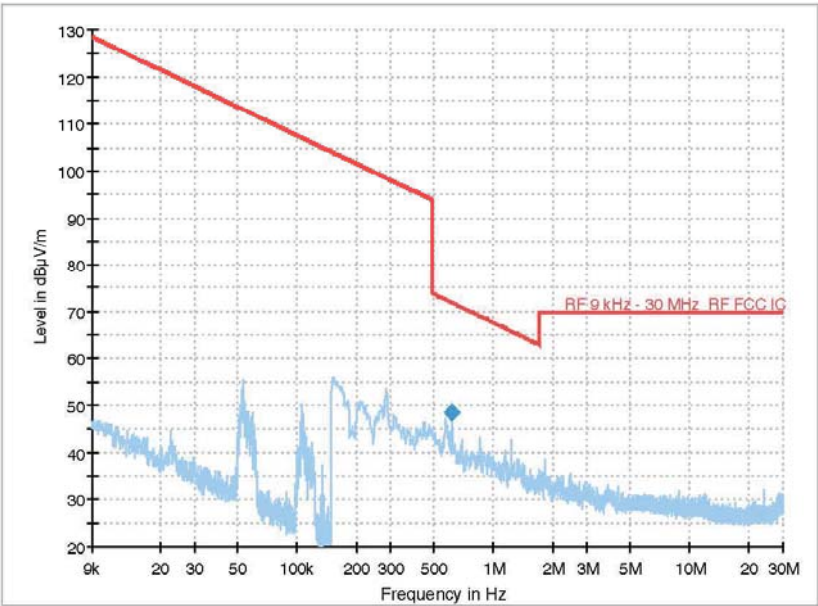
Note: The test performed worst axis (X axis)

9-30_F2_X_V

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	48.35	0	48.35	71.84	23.49

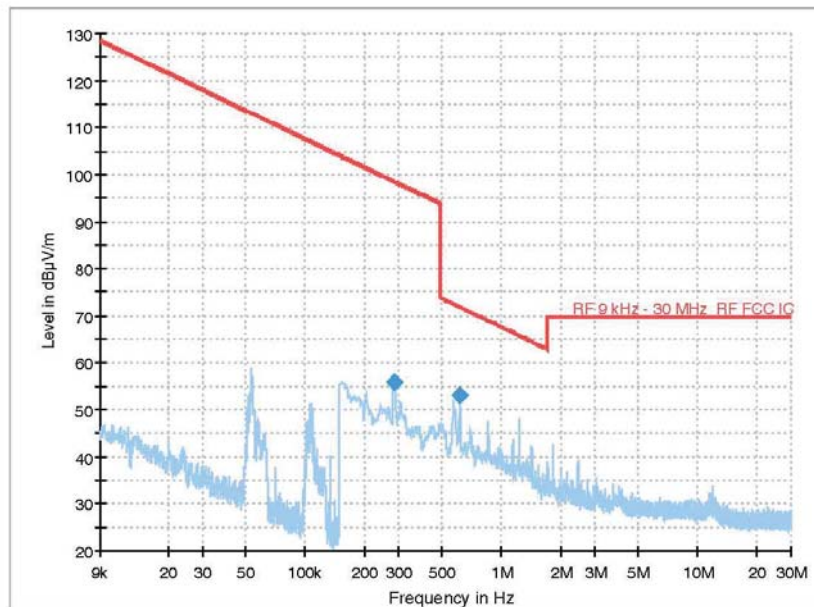
Note: The test performed worst axis (X axis)

9-30_F3_X_H

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.286	55.72	0	55.72	98.49	42.77
0.614	53.03	0	53.03	71.84	18.81

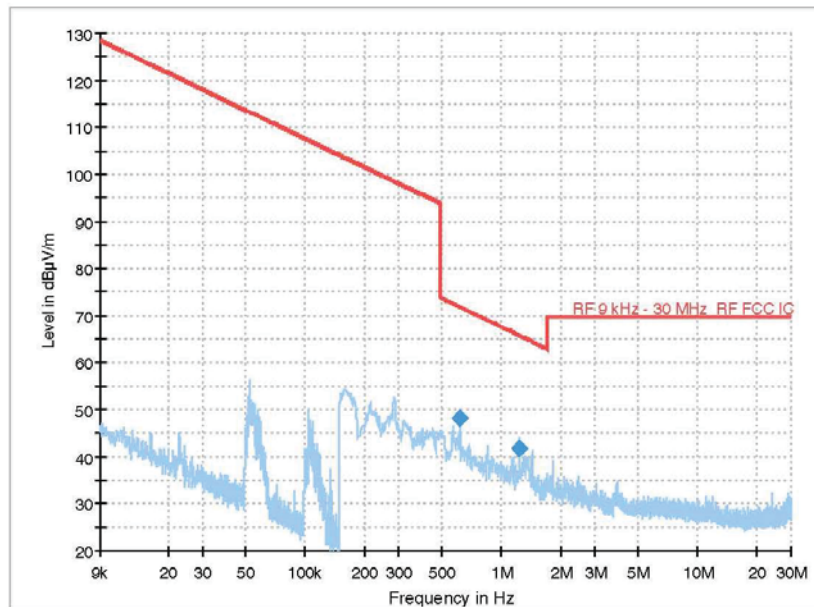
Note: The test performed worst axis (X axis)

9-30_F3_X_V

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	48.18	0	48.18	71.84	23.66
1.229	41.82	0	41.82	65.82	24.00

Note: The test performed worst axis (X axis)

2.5.6 Test Result (Spurious Emissions Above 30 MHz to Below 1 GHz)

30-2_F1_X

Test Report

Common Information

Test Description:

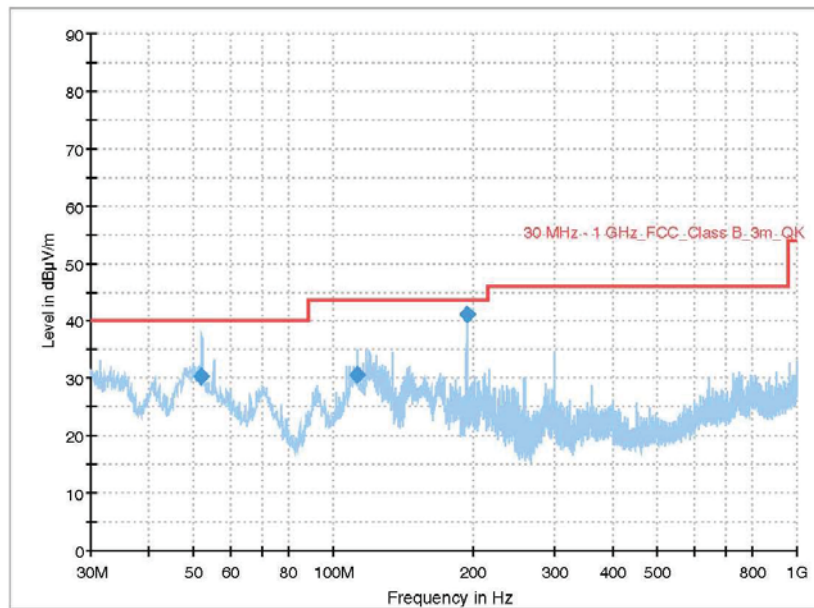
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
51.920	30.33	0	30.33	40.00	9.67
112.353	30.64	0	30.64	43.52	12.88
193.736	41.07	0	41.07	43.52	2.45

Note: The test performed worst axis (X axis)

30-2_F2_X

Test Report

Common Information

Test Description:

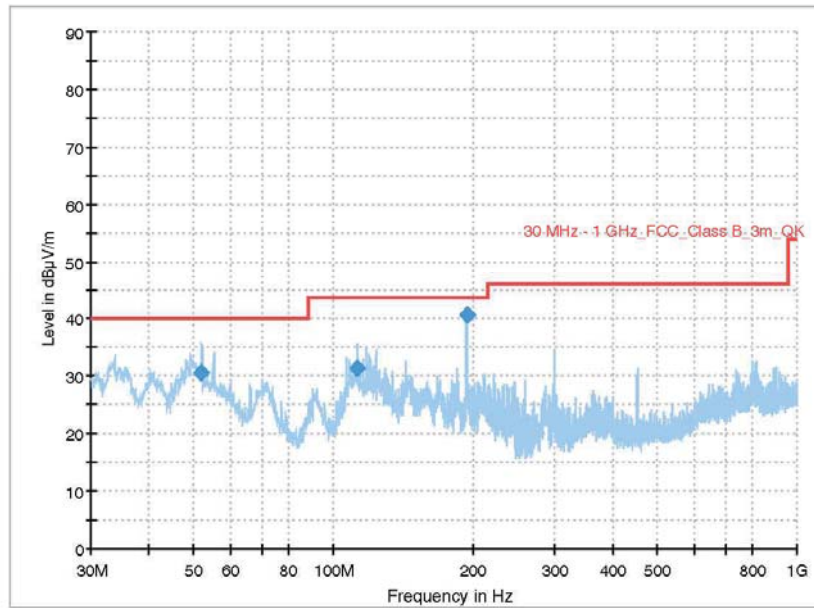
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
51.922	30.62	0	30.62	40	9.38
112.353	31.39	0	31.39	43.52	12.13
193.639	40.51	0	40.51	43.52	3.01

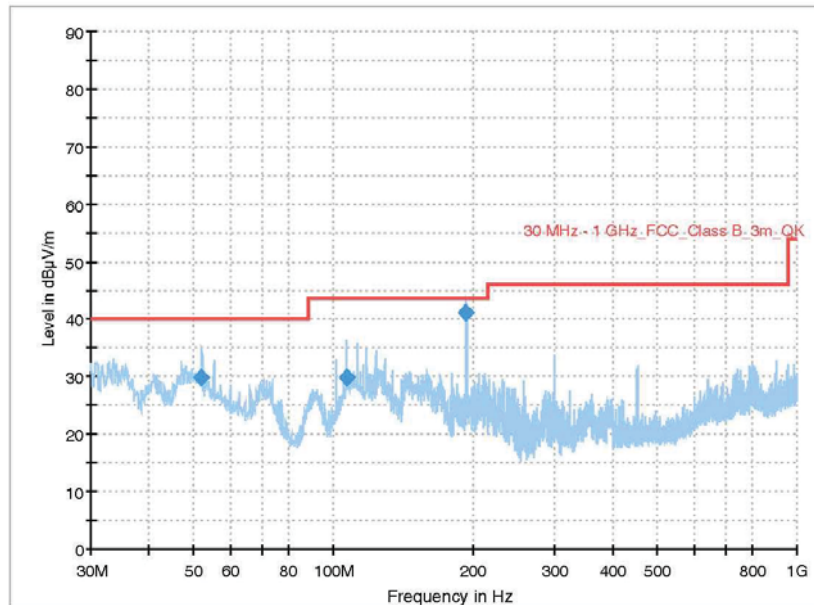
Note: The test performed worst axis (X axis)

30-2_F3_X

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
51.922	29.86	0	29.86	40.00	10.14
106.824	29.95	0	29.95	43.52	13.57
193.445	41.08	0	41.08	43.52	2.44

Note: The test performed worst axis (X axis)

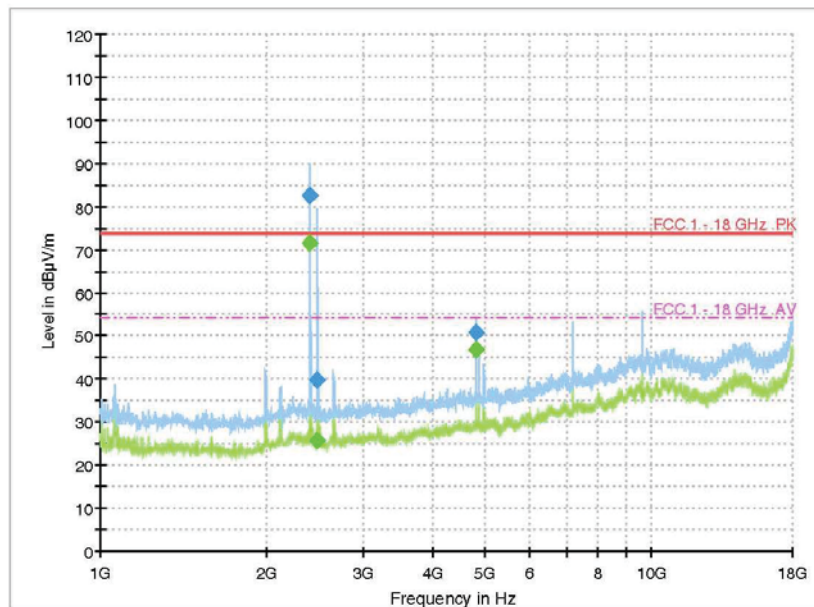
2.5.7 Test Result (Spurious Emissions Above 1 GHz to 18 GHz)

F1_H_X

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2479.000	39.66	0	39.66	74	34.34
2479.000	25.75	2.06	27.81	54	26.19
4802.900	50.95	0	50.95	74	23.05
4802.900	46.78	2.06	48.84	54	5.16

Note. The fundamental frequency results are not recorded.

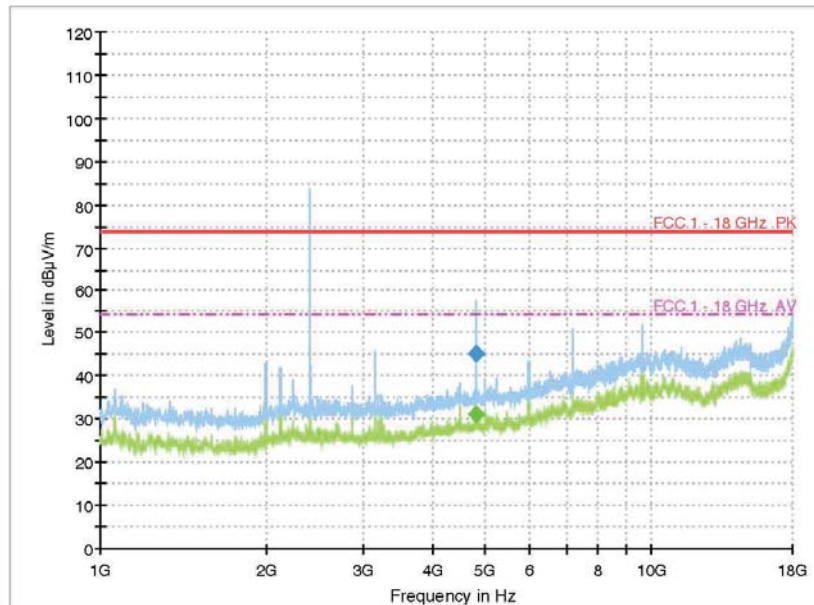
Note: The test performed worst axis (X axis)

F1_V_X

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4802.900	44.97	0	44.97	74	29.03
4802.900	30.99	2.06	33.05	54	20.95

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

F2_H_X

Test Report

Common Information

Test Description:

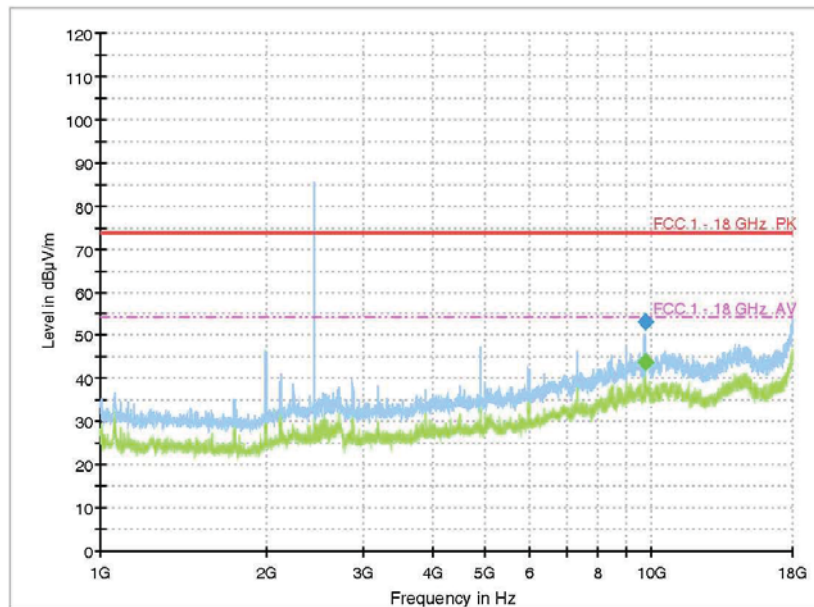
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
9768.600	53.07	0	53.07	74	20.93
9768.600	43.86	2.06	45.92	54	8.08

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

F2_V_X

Test Report

Common Information

Test Description:

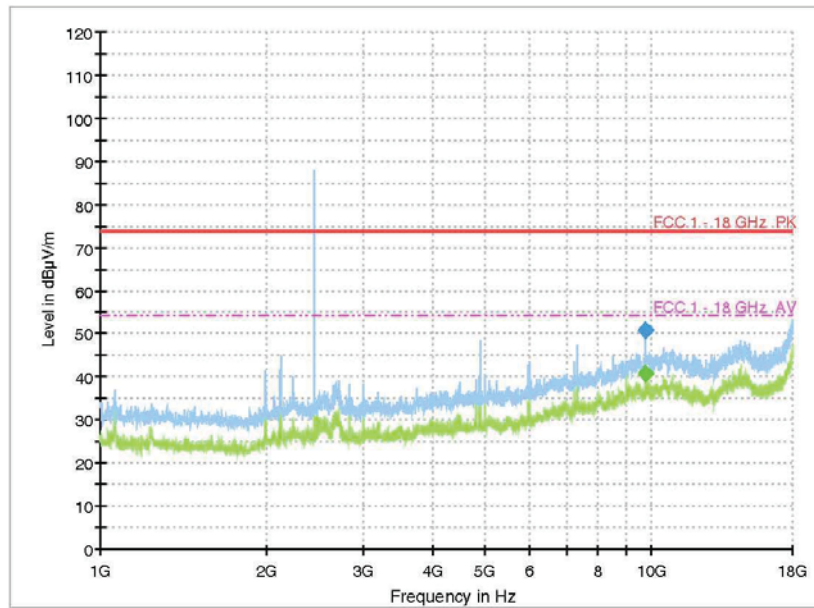
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
9768.600	50.94	0	50.94	74	23.06
9768.600	40.72	2.06	42.78	54	11.22

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

F3_H_X

Test Report

Common Information

Test Description:

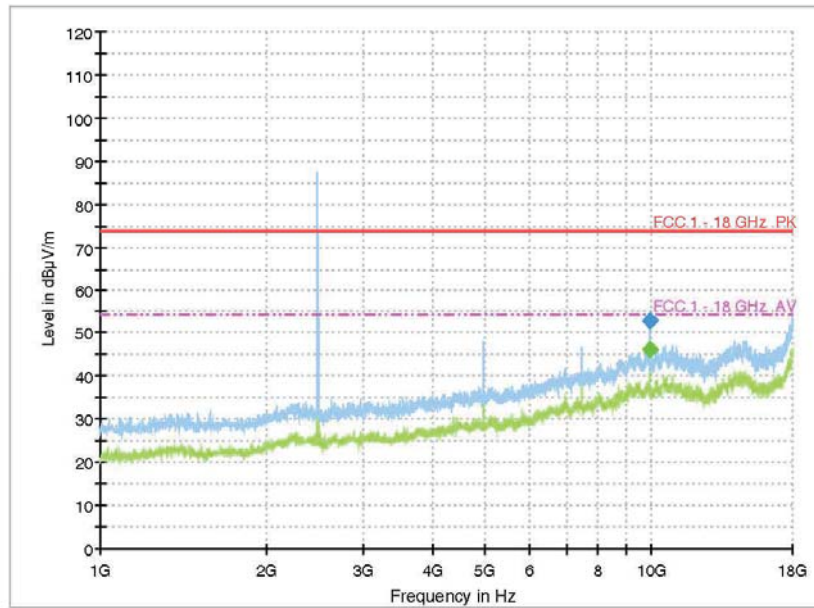
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4959.300	55.24	0	55.24	74	18.76
4959.300	46.55	2.06	48.61	54	5.39

Note. The fundamental frequency results are not recorded.

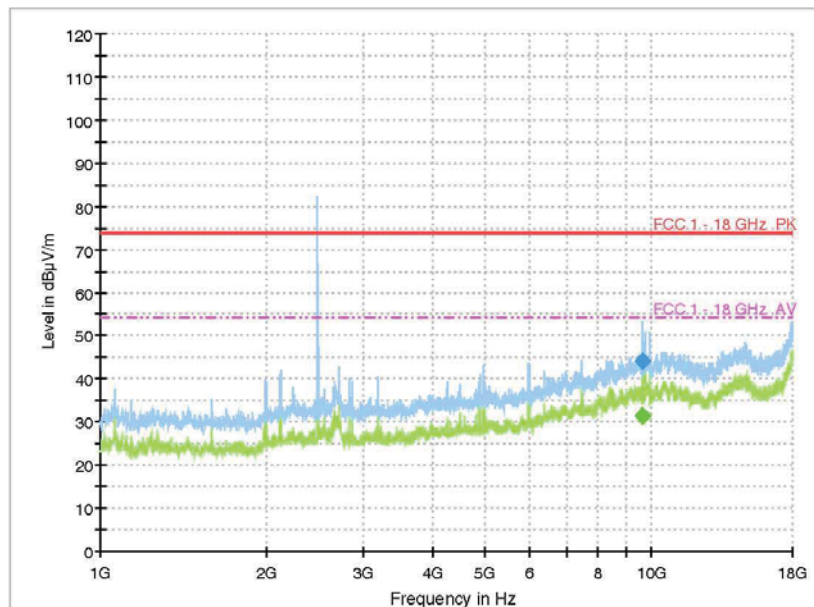
Note: The test performed worst axis (X axis)

F3_V_X

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
9919.900	52.95	0	52.95	74	21.05
9919.900	46.18	2.06	48.24	54	5.76

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

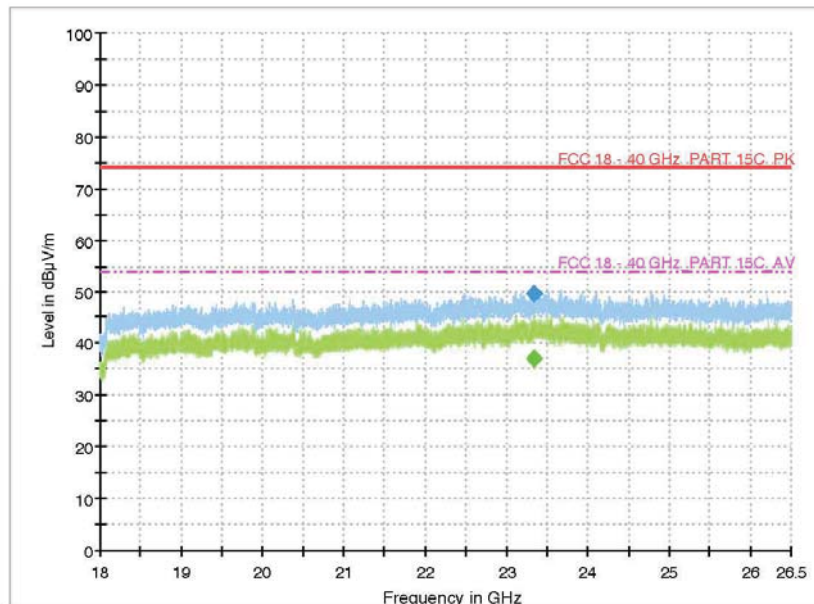
2.5.7 Test Result (Spurious Emissions Above 18GHz to 26.5 GHz)

F1_H

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23 342.250	49.56	0	49.56	74	24.44
23 342.250	36.98	2.06	39.04	54	14.96

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

F1_V

Test Report

Common Information

Test Description:

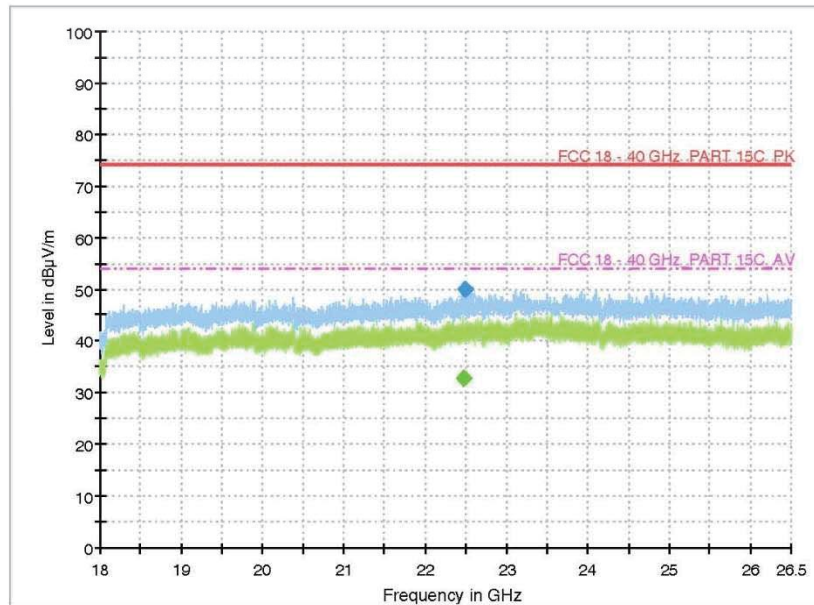
Test Mode:

Test Standard:

Environment Conditions:

Operator Name:

Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
22 929.390	48.84	0	48.84	74	25.16
22 931.210	36.42	2.06	38.48	54	15.52

Note. The fundamental frequency results are not recorded.

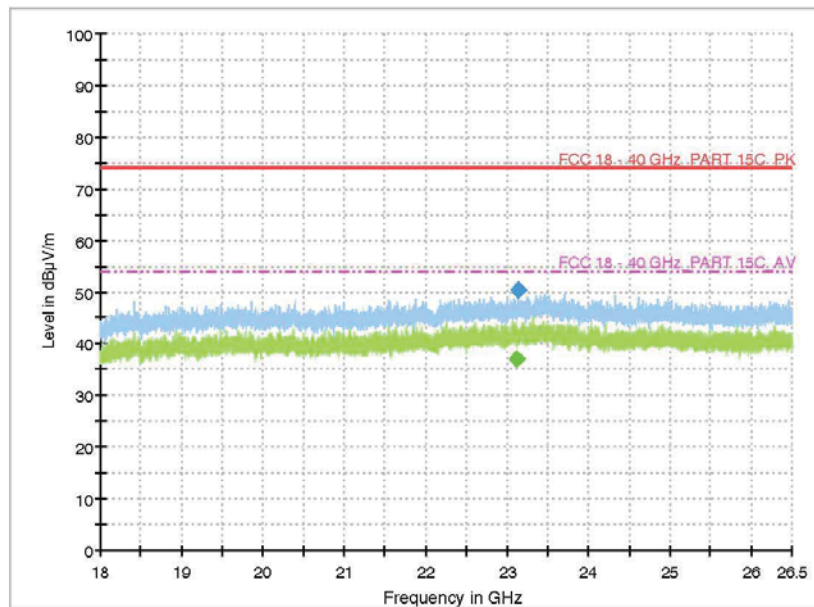
Note: The test performed worst axis (X axis)

F2_H

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23 123.070	50.28	0	50.28	74	23.72
23 134.000	37.15	2.06	39.21	54	14.79

Note. The fundamental frequency results are not recorded.

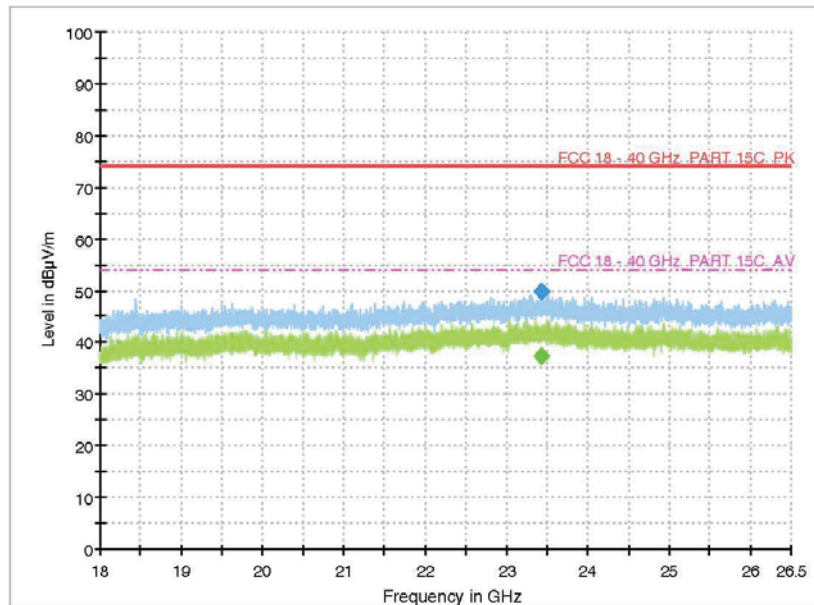
Note: The test performed worst axis (X axis)

F2_V

Test Report

Common Information

Test Description:
Test Mode:
Test Standard:
Environment Conditions:
Operator Name:
Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23 424.210	49.99	0	49.99	74	24.01
23 424.210	37.33	2.06	39.39	54	14.61

Note. The fundamental frequency results are not recorded.

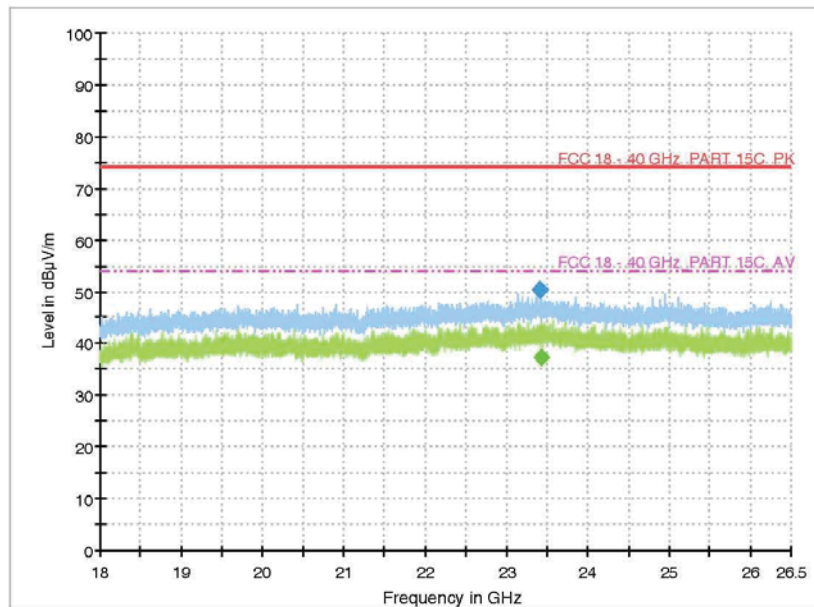
Note: The test performed worst axis (X axis)

F3_H

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23 418.140	50.4	0	50.4	74	23.6
23 423.000	37.26	2.06	39.32	54	14.68

Note. The fundamental frequency results are not recorded.

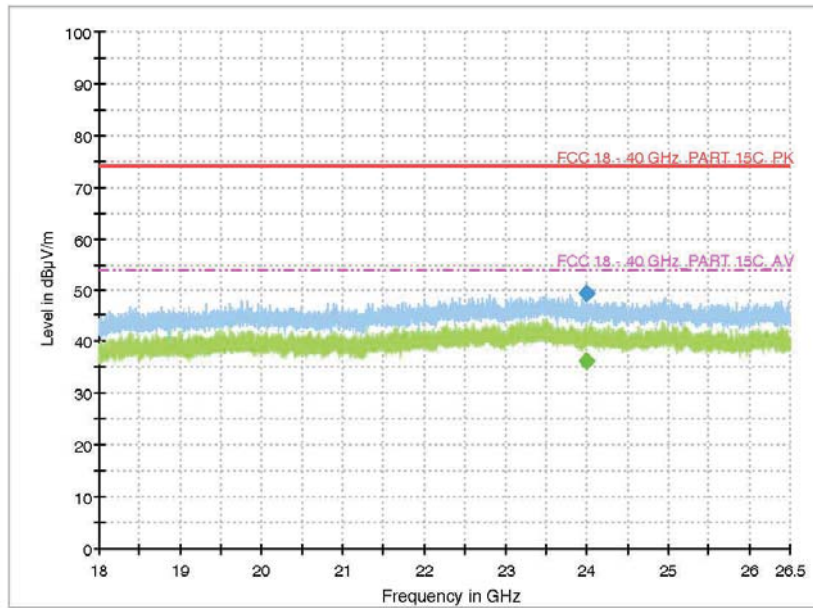
Note: The test performed worst axis (X axis)

F3_V

Test Report

Common Information

Test Description:
 Test Mode:
 Test Standard:
 Environment Conditions:
 Operator Name:
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23 992.500	49.42	0	49.42	74	24.58
23 992.500	36.19	2.06	38.25	54	15.75

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

2.6 AC Power Line Conducted Emission

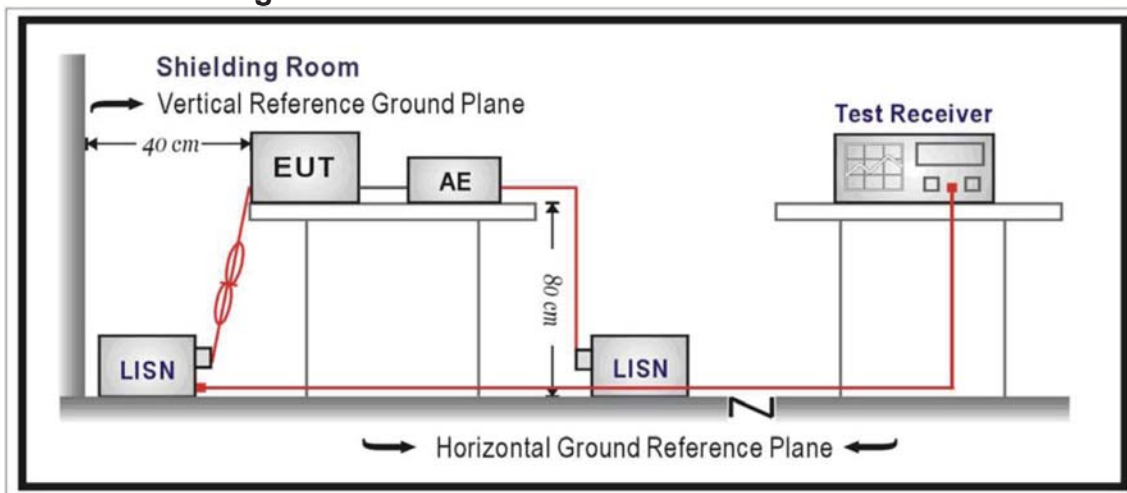
2.6.1 Limit

Test Specification: According to FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency (MHz)	Limit (dBuV)	
	Quasi-Peak	Average
0.15 to 0.5	66 to 56 *	56 to 46 *
0.5 to 5	56	46
5 to 30	60	50

Note : * Decrease with the logarithm of the frequency

2.6.2 Test Configuration



2.6.3 Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm/50 uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were measured over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9kHz.

2.6.4 Test Result

N/A₁) This product is not operating while charging. Therefore, this test parameter does not applicable.

NTREE

2.7 Antenna Requirement

2.7.1 Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

2.7.2 Applicable Construction

2.7.3 Test Result

Pass

N
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