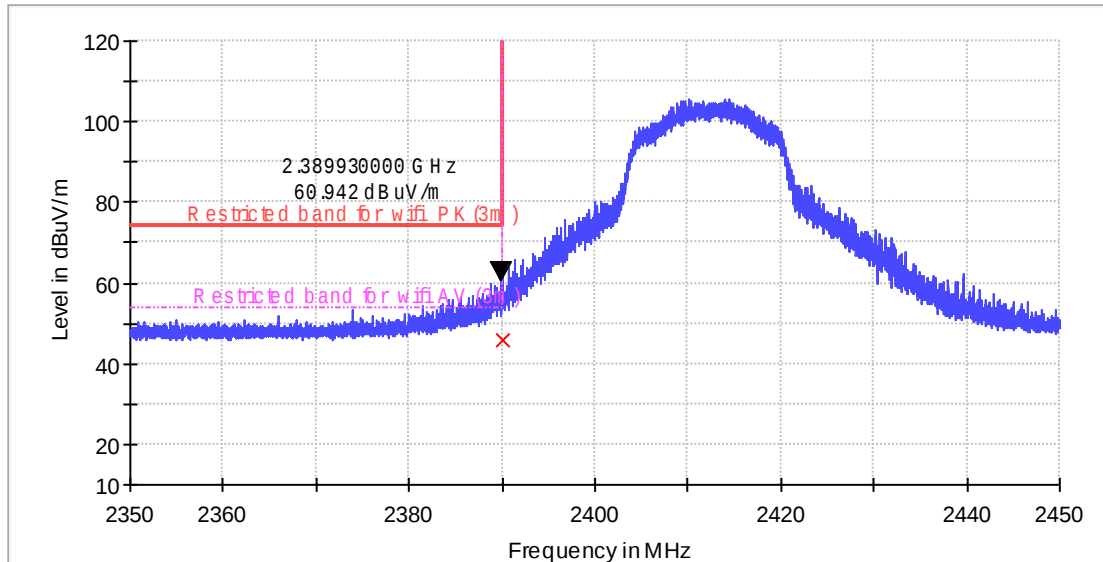


TEST REPORT

Vertical



PK Measurement:

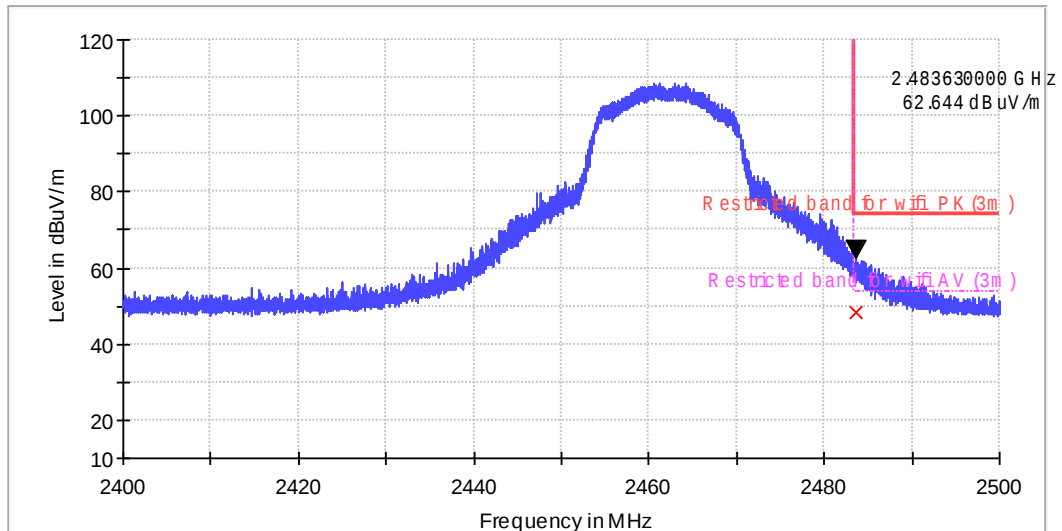
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.7	72.2	-8.2	64.0	74	H
2389.9	69.1	-7.8	60.9	74	V

AV Measurement:

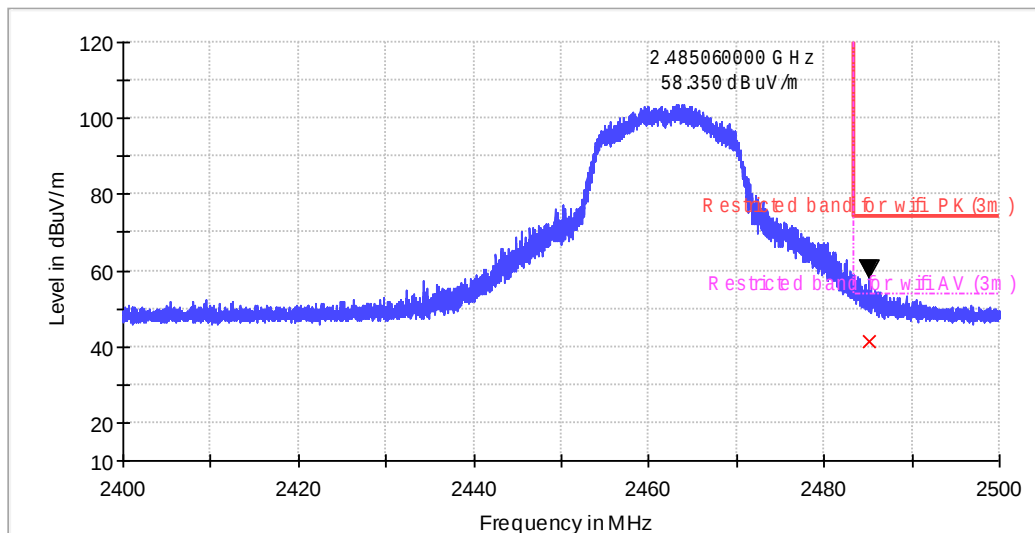
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.7	57.3	-8.2	49.1	54	H
2389.9	53.9	-8.2	45.7	54	V

TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.6	70.4	-7.8	62.6	74	H
2485.1	66.2	-7.8	58.4	74	V

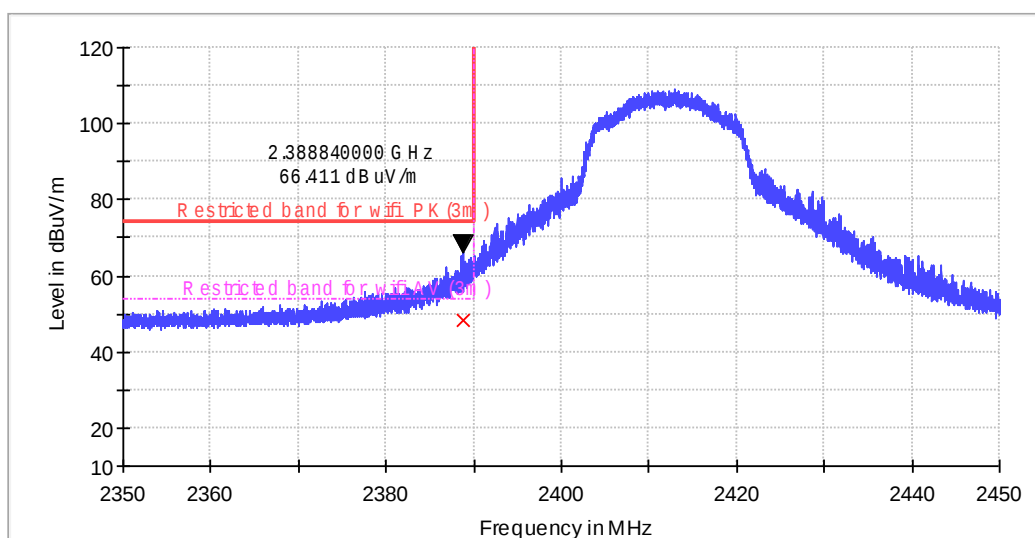
TEST REPORT

AV Measurement:

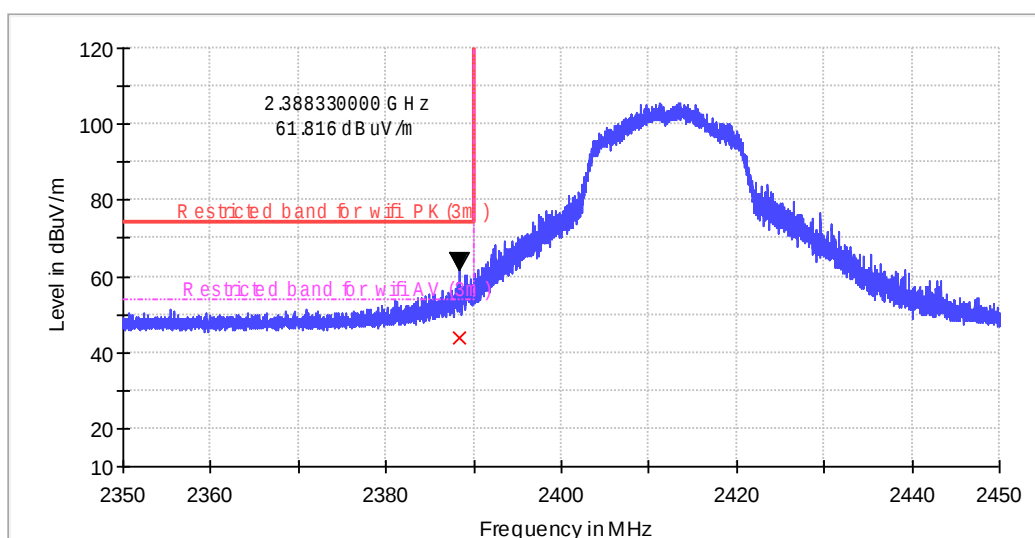
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.6	56.0	-7.8	48.2	54	H
2485.1	48.9	-7.8	41.1	54	V

802.11n (HT20) mode with 6.5Mbps data rate
Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

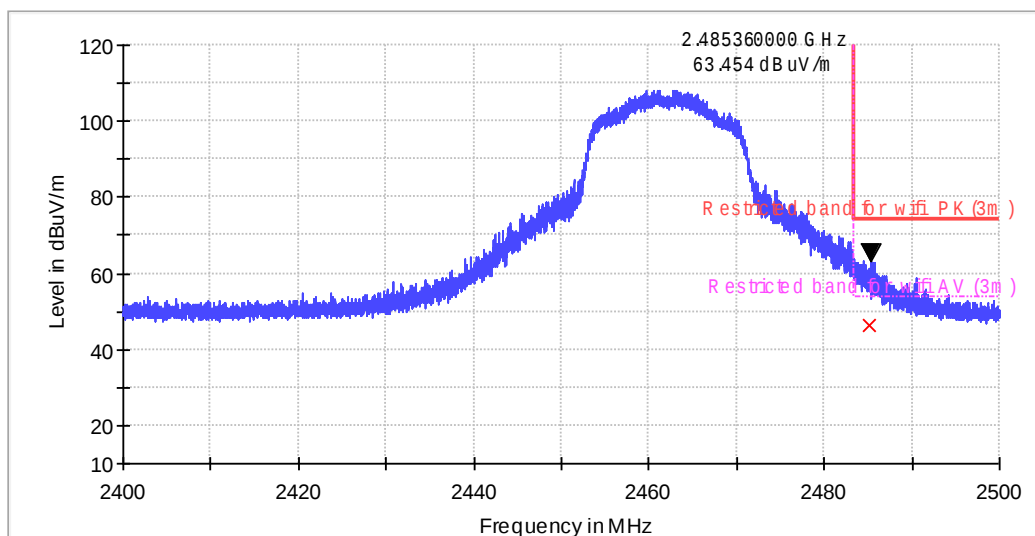
PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	74.6	-8.2	66.4	74	H
2388.3	70.0	-8.2	61.8	74	V

AV Measurement:

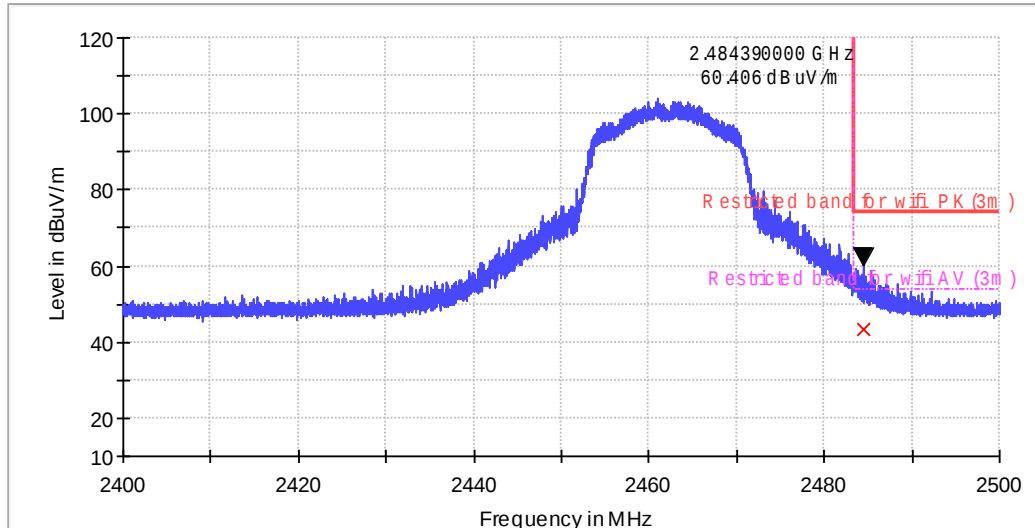
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	56.3	-8.2	48.1	54	H
2388.3	52.1	-8.2	43.9	54	V

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



TEST REPORT

Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.4	71.3	-7.8	63.5	74	H
2483.4	68.2	-7.8	60.4	74	V

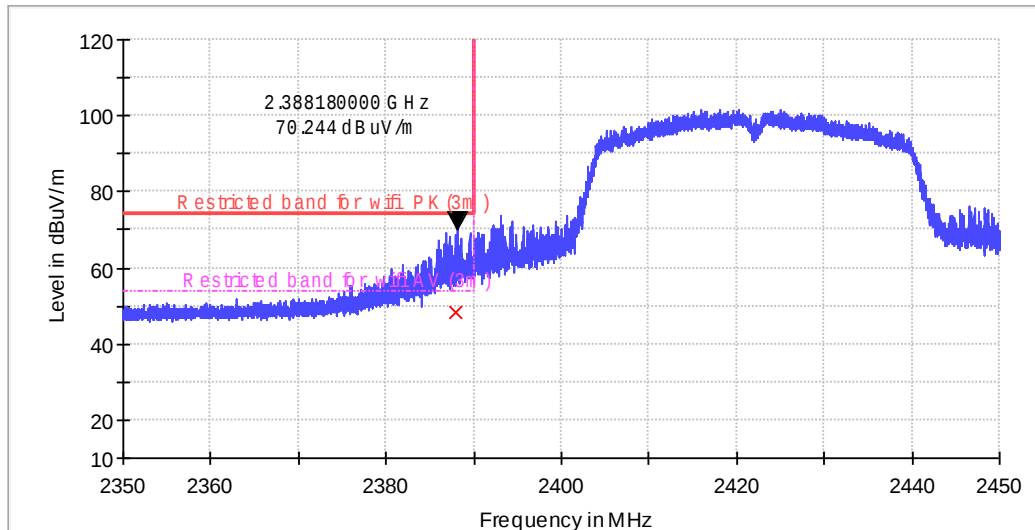
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.4	54.2	-7.8	46.4	54	H
2483.4	51.1	-7.8	43.3	54	V

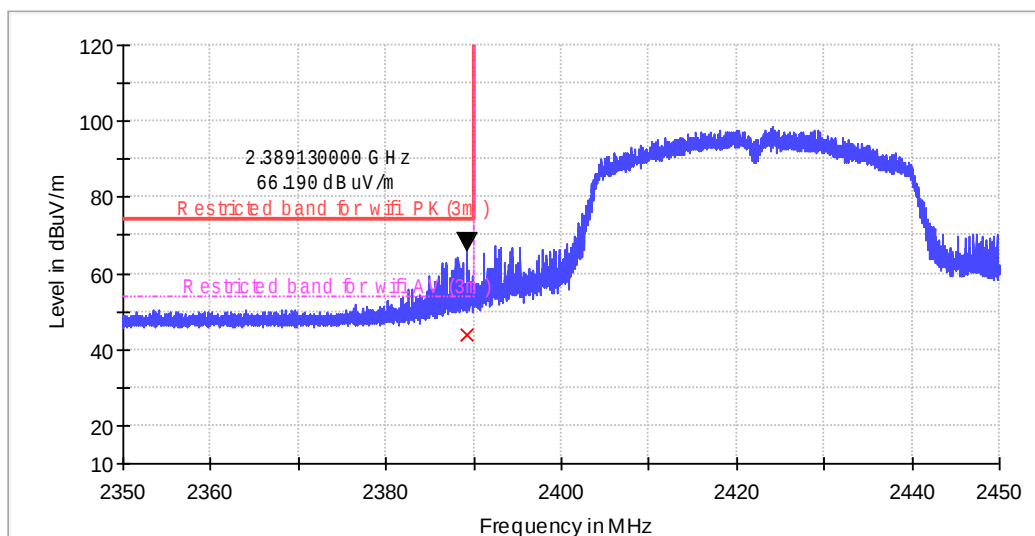
TEST REPORT

802.11n (HT40) mode with 13.5 Mbps data rate

Test at Channel 3 (2.422 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

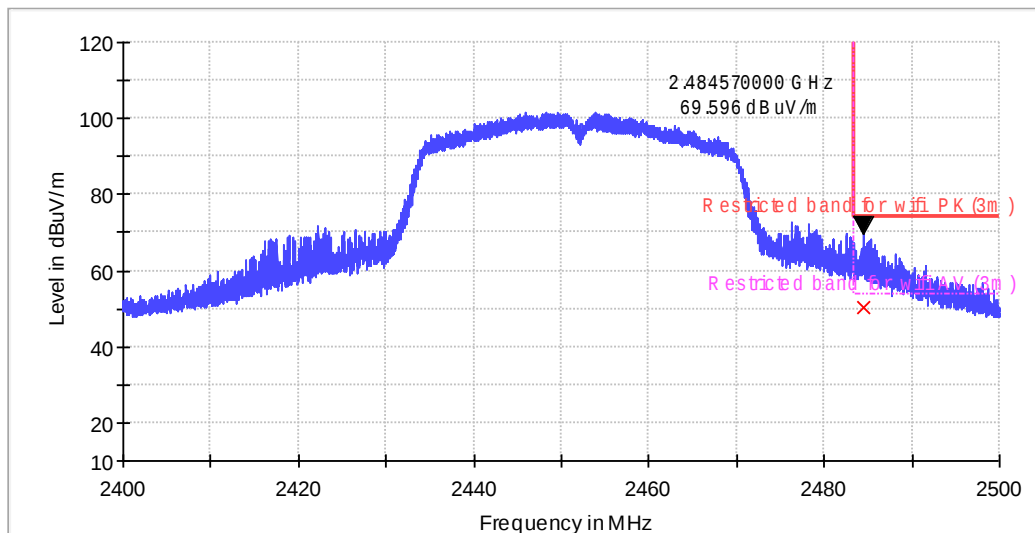
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.2	78.4	-8.2	70.2	74	H
2389.1	74.4	-8.2	66.2	74	V

TEST REPORT

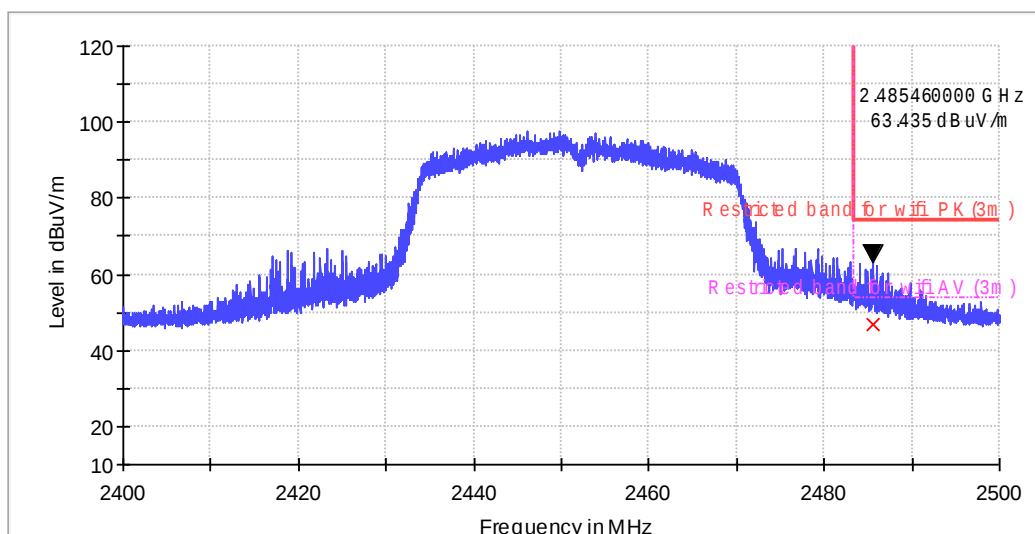
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.2	56.6	-8.2	48.4	54	H
2389.1	52.2	-8.2	44.0	54	V

Test at Channel 11 (2.452 GHz) in transmitting status
Horizontal



Vertical



TEST REPORT

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2484.6	77.4	-7.8	69.6	74	H
2485.5	71.2	-7.8	63.4	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2484.6	58.2	-7.8	50.4	54	H
2485.5	54.7	-7.8	46.9	54	V

For all emission(above 1G)

Final Test Level =Receiver Reading + Correction Factor

Correction Factor = Antenna Factor + Cable Loss –Preamplifier Factor.

When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

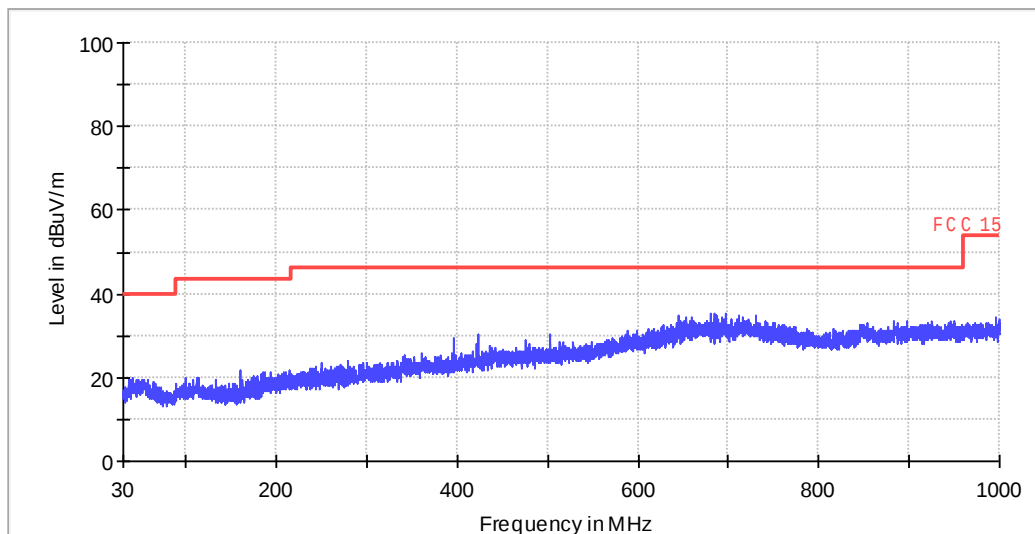
Model No. BSC-004

30 MHz~1 GHz Spurious Emissions. Quasi-Peak Measurement

Pre-scan all modes, worst case as below

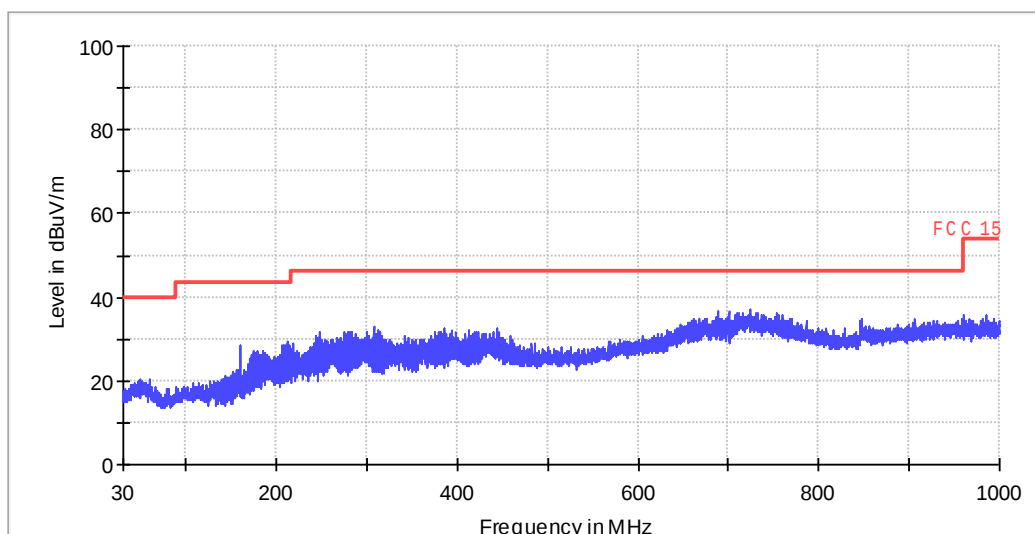
802.11b mode with 1Mbps data rate Test at Channel 11 (2.462 GHz) in transmitting status

Vertical:



All emission levels are more than 6dB below the limit.

Horizontal:



All emission levels are more than 6dB below the limit.

TEST REPORT

1~25 GHz Radiated Emissions.

802.11b mode with 1Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBμV/m)	(dBμV/m)	
4822.9	52.6	-1.1	51.5	74	H
7234.8	46.2	2.3	48.5	74	H
4822.9	50.6	-1.1	49.5	74	V
7234.8	44.8	2.3	47.1	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4822.9	51.1	-1.1	50.0	54	H
7234.8	/	2.3	/	54	H
4822.9	/	-1.1	/	54	V
7234.8	/	2.3	/	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.9	52.3	-1.0	51.3	74	H
7311.3	45.8	2.4	48.2	74	H
4873.9	51.8	-1.0	50.8	74	V
7309.1	43.0	2.4	45.4	74	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBμV/m)	(dBμV/m)	
4922.8	53.4	-0.9	52.5	74	H
7387.8	43.2	2.5	45.7	74	H
4922.8	52.6	-0.9	51.7	74	V
7385.6	41.4	2.5	43.9	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.8	52.9	-0.9	52.0	54	H
7387.8	/	2.5	/	54	H
4922.8	51.6	-0.9	50.7	54	V
7385.6	/	2.5	/	54	V

802.11g mode with 6Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.8	55.1	-1.1	54.0	74	H
7236.9	49.1	2.3	51.4	74	H
4825.0	53.7	-1.1	52.6	74	V
7241.1	49.7	2.3	52.0	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.8	39.6	-1.1	38.5	54	H
7236.9	35.2	2.3	37.5	54	H
4825.0	40.0	-1.1	38.9	54	V
7241.1	35.2	2.3	37.5	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.8	55.8	-1.0	54.8	74	H
7315.5	44.7	2.4	47.1	74	H
4869.6	56.5	-1.0	55.5	74	V
7307.0	46.9	2.4	49.3	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.8	44.5	-1.0	43.5	54	H
7315.5	/	2.4	/	54	H
4869.6	44.0	-1.0	43.0	54	V
7307.0	/	2.4	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4924.9	49.3	-0.9	48.4	74	H
8227.1	39.8	4.1	43.9	74	H
4927.0	48.7	-0.9	47.8	74	V
7385.5	40.7	2.5	43.2	74	V

802.11n20 mode with 6.5Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	59.3	-0.9	58.4	74	H
7236.9	52.8	2.3	55.1	74	H
4825.0	53.7	-1.1	52.6	74	V
7241.1	48.8	2.3	51.1	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	41.1	-0.9	40.2	54	H
7236.9	37.0	2.3	39.3	54	H
4825.0	39.3	-1.1	38.2	54	V
7241.1	/	2.3	/	54	V

TEST REPORT

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4876.0	59.5	-1.0	58.5	74	H
7317.6	51.4	2.4	53.8	74	H
4880.3	54.2	-1.0	53.2	74	V
7317.6	48.2	2.4	50.6	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4876.0	42.0	-1.0	41.0	54	H
7317.6	35.6	2.4	38.0	54	H
4880.3	41.1	-1.0	40.1	54	V
7317.6	/	2.4	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.8	56.2	-0.9	55.3	74	H
7392.0	55.6	2.5	58.1	74	H
4927.0	54.6	-0.9	53.7	74	V
7389.9	47.9	2.5	50.4	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.8	37.7	-0.9	36.8	54	H
7392.0	37.3	2.5	39.8	54	H
4927.0	42.1	-0.9	41.2	54	V
7389.9	/	2.5	/	54	V

TEST REPORT

802.11n40 mode with 13.5Mbps data rate as below

Test at Channel 3 (2.422 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
5092.7	42.8	-0.7	42.1	74	H
8579.8	40.2	4.4	44.6	74	H
4844.1	45.6	-1.1	44.5	74	V
8082.6	39.9	4.0	43.9	74	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	43.3	-1.0	42.3	74	H
8686.1	39.7	4.4	44.1	74	H
4873.8	42.7	-1.0	41.7	74	V
9472.3	40.8	4.7	45.5	74	V

Test at Channel 9 (2.452 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4903.6	45.0	-1.0	44.0	74	H
7343.1	42.6	2.5	45.1	74	H
4905.7	43.4	-1.0	42.4	74	V
9018.8	39.2	4.5	43.7	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

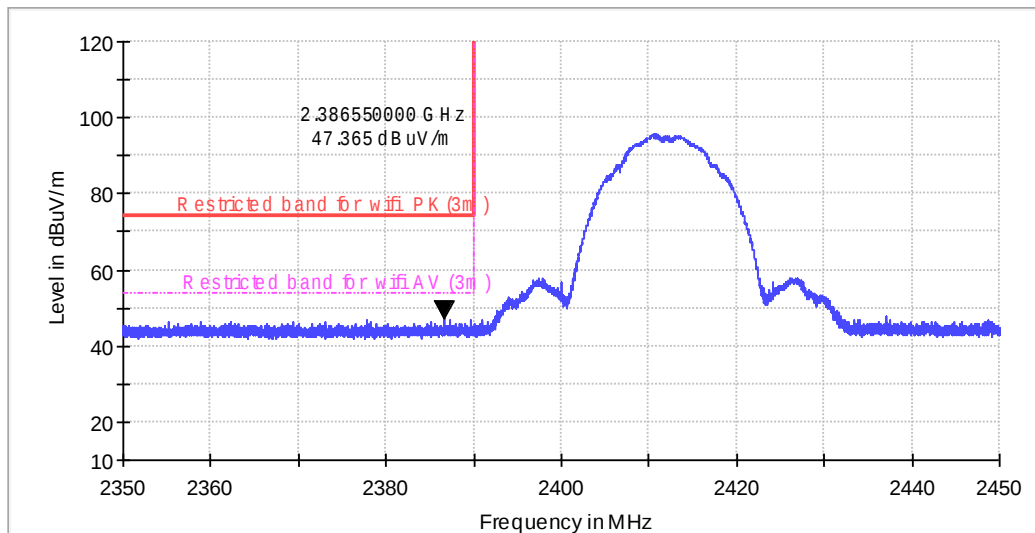
TEST REPORT

Band Edges Emission

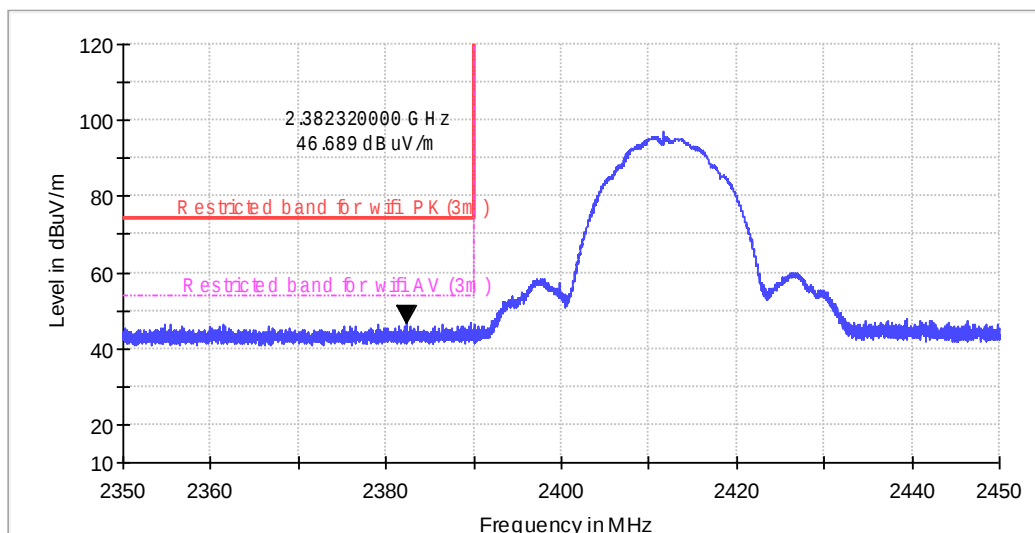
802.11b mode with 1Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

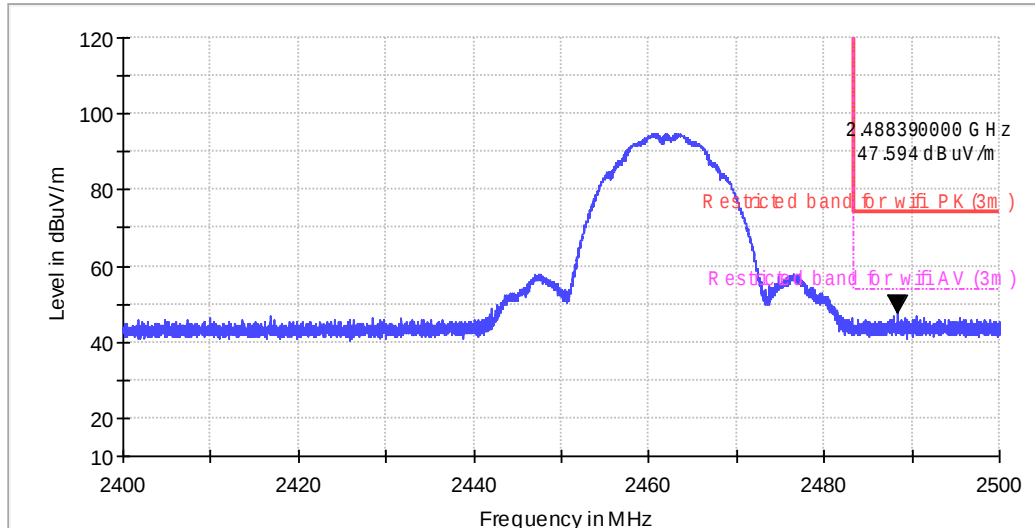
Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2386.5	55.6	-8.2	47.4	74	H
2382.3	54.9	-8.2	46.7	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

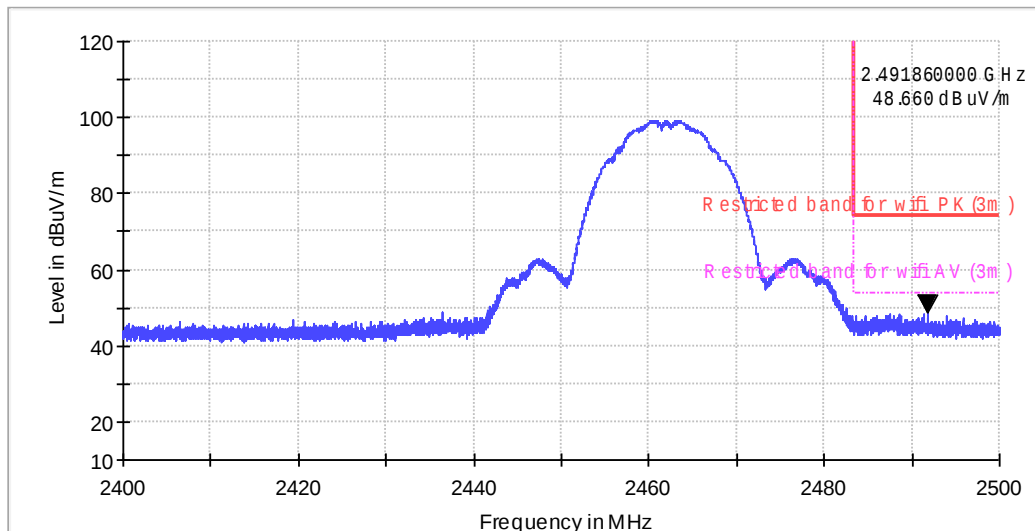
TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2488.3	55.4	-7.8	47.6	74	H
2491.8	56.5	-7.8	48.7	74	V

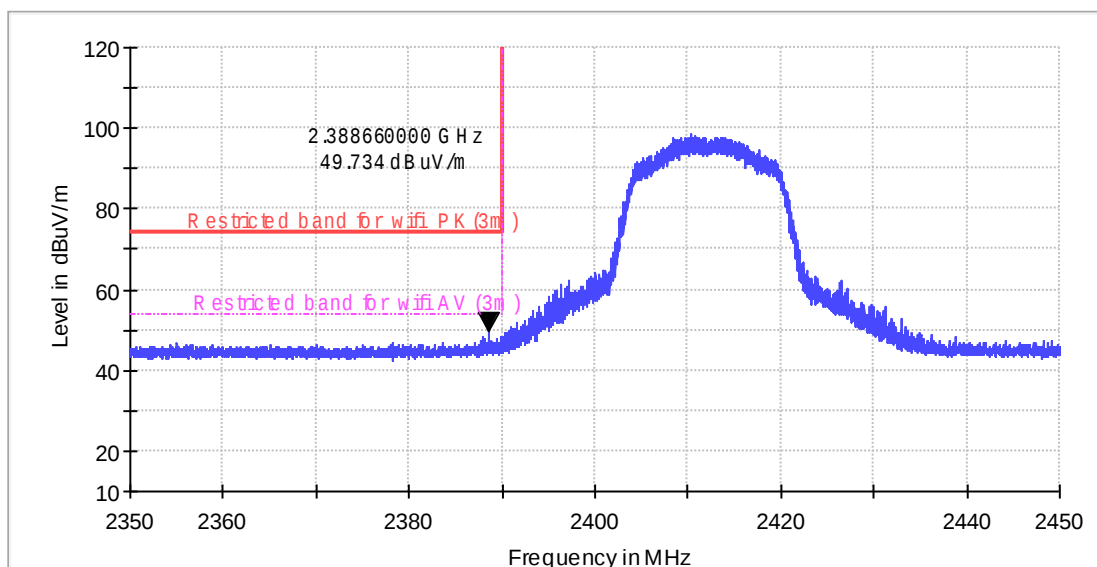
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

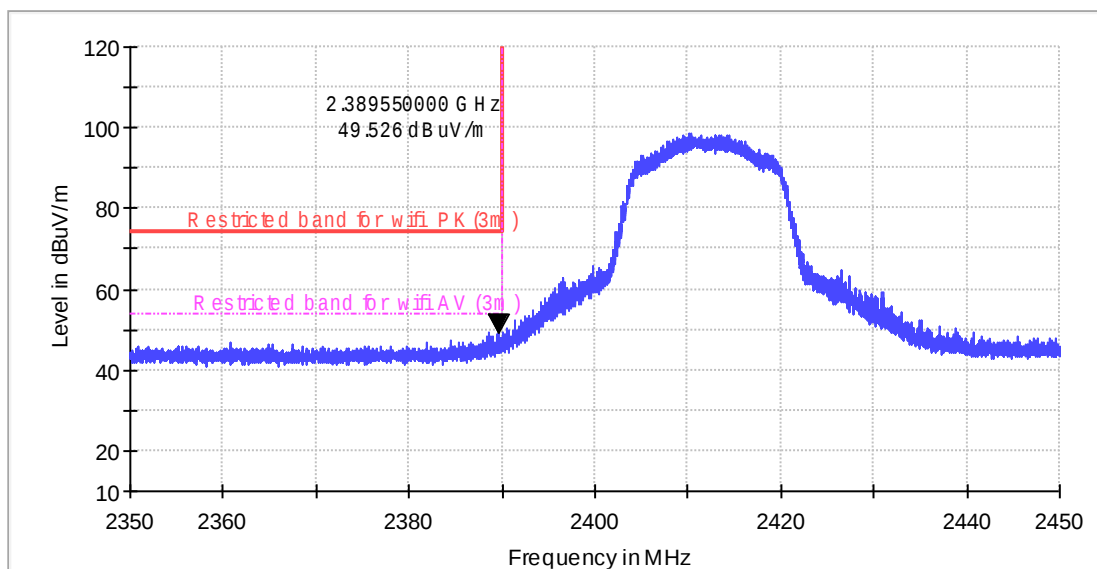
802.11g mode with 6Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



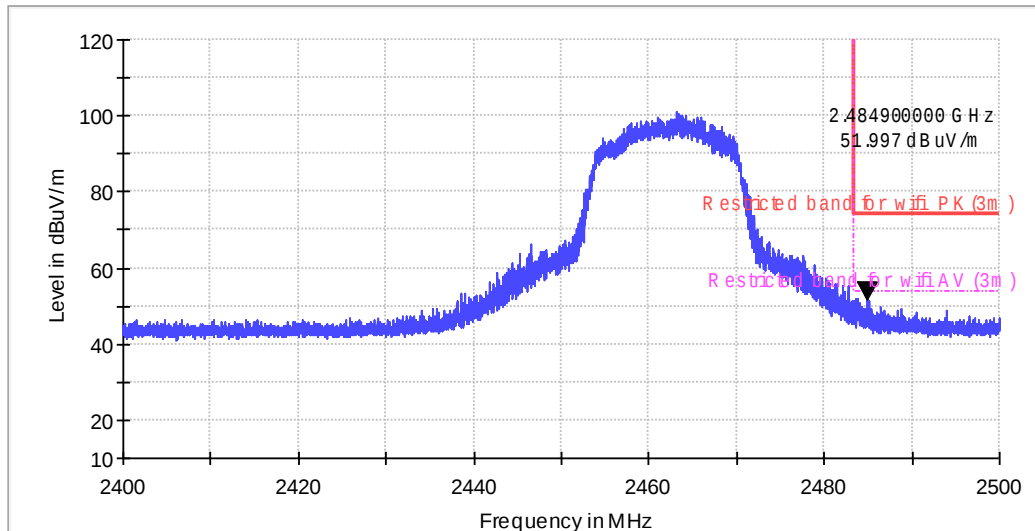
PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2388.6	57.9	-8.2	49.7	74	H
2389.5	57.7	-8.2	49.5	74	V

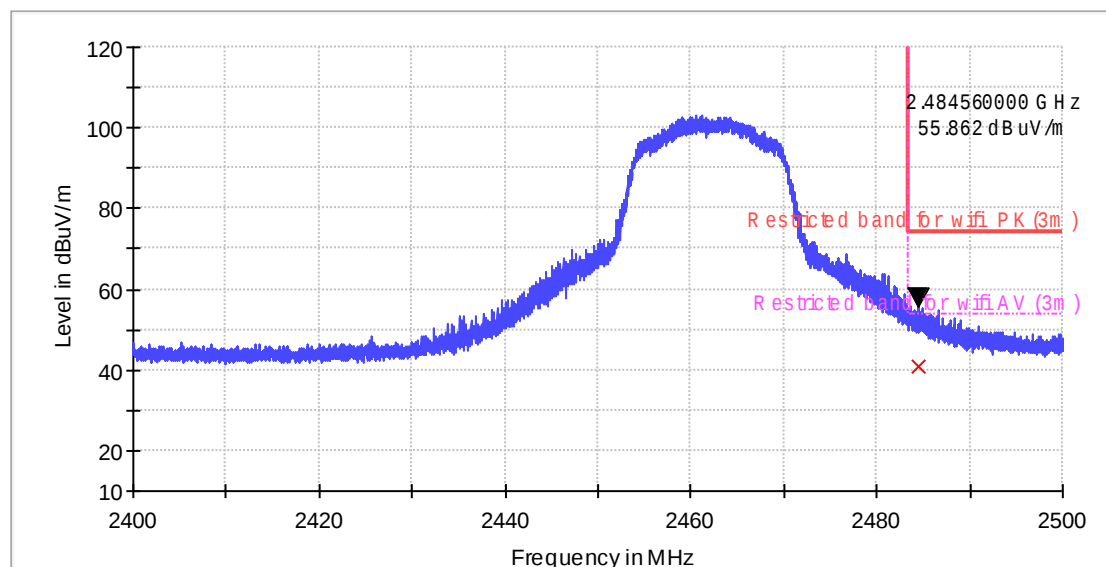
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2484.9	59.8	-7.8	52.0	74	H
2484.5	63.7	-7.8	55.9	74	V

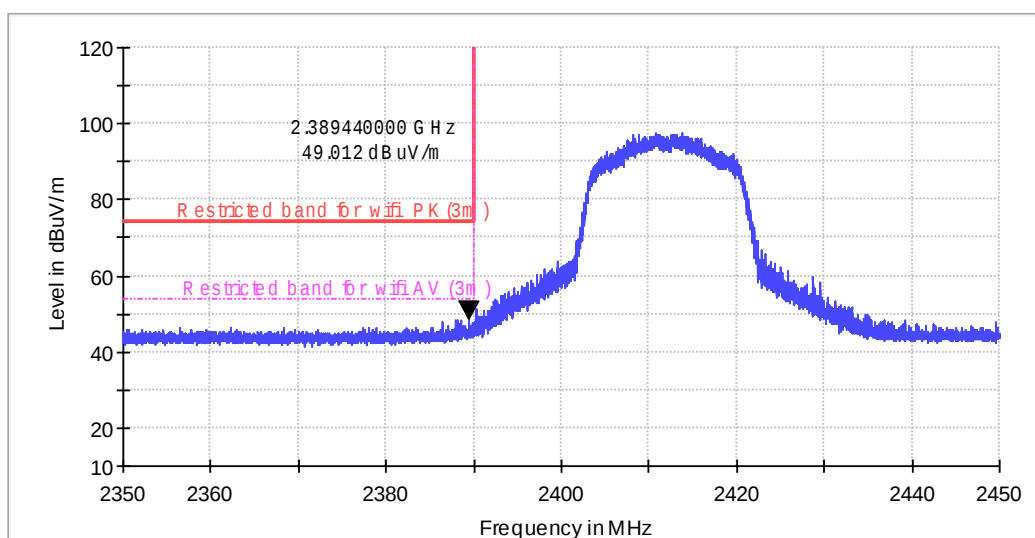
TEST REPORT

AV Measurement:

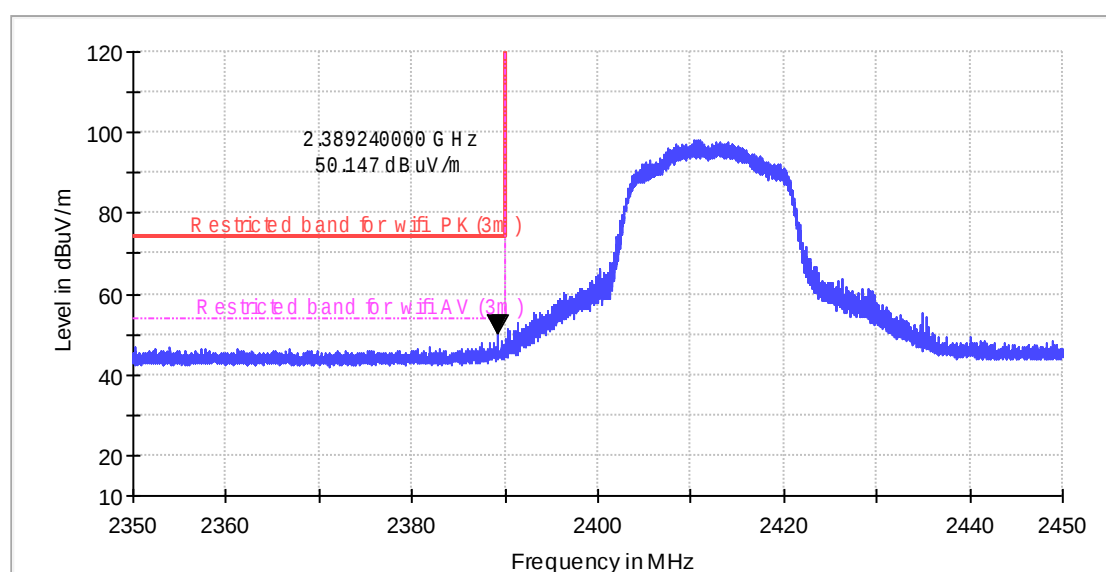
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2484.9	/	-7.8	/	54	H
2484.5	48.9	-7.8	41.1	54	V

802.11n (HT20) mode with 6.5Mbps data rate
Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



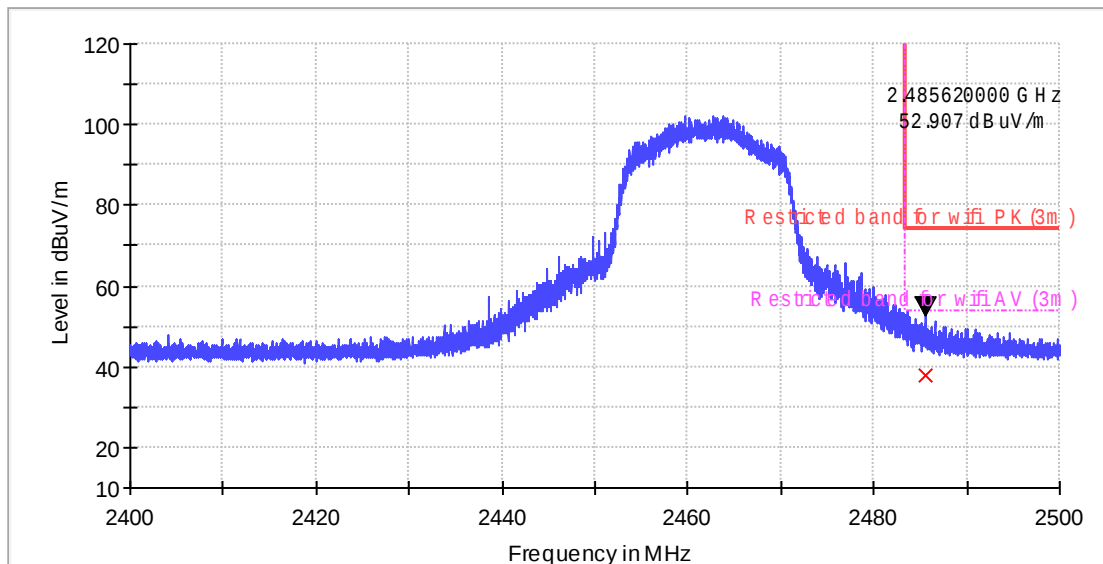
TEST REPORT

PK Measurement:

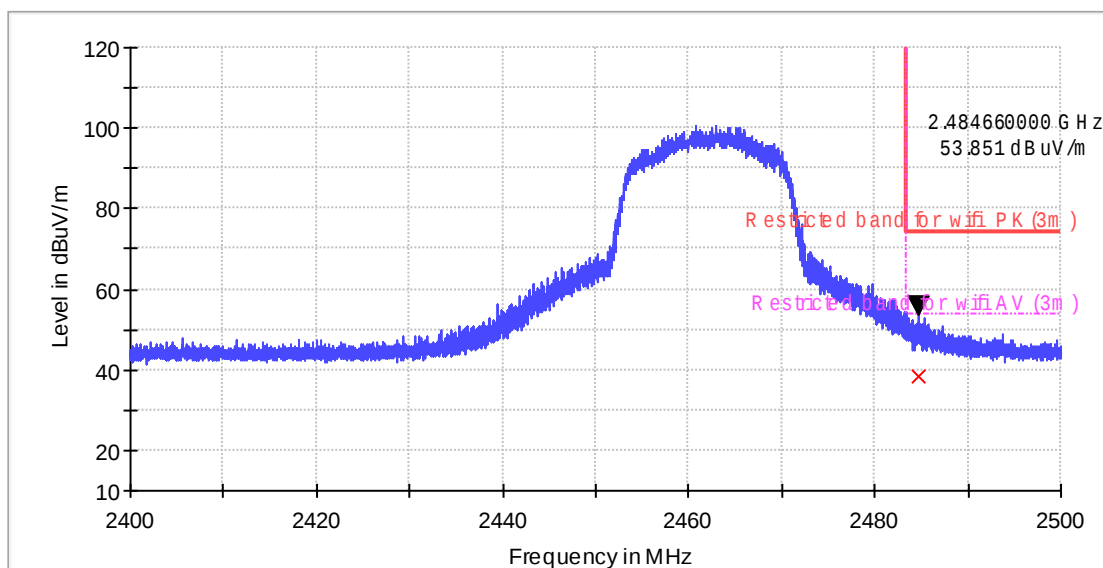
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.4	57.2	-8.2	49.0	74	H
2389.2	58.3	-8.2	50.1	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



TEST REPORT

PK Measurement:

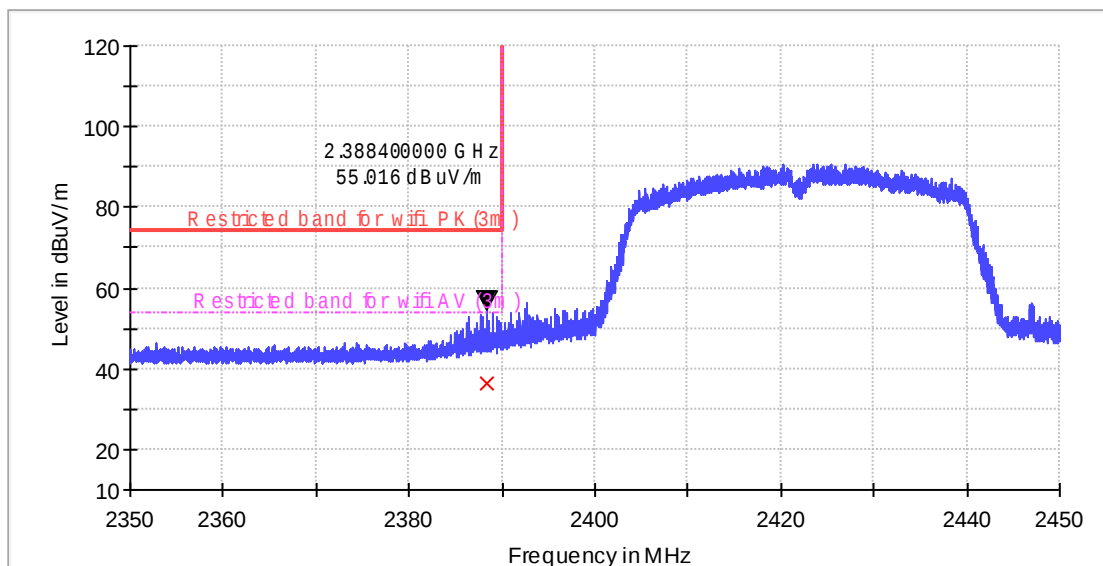
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.6	60.7	-7.8	52.9	74	H
2484.6	61.6	-7.8	53.8	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.6	45.8	-7.8	38.0	54	H
2484.6	46.4	-7.8	38.6	54	V

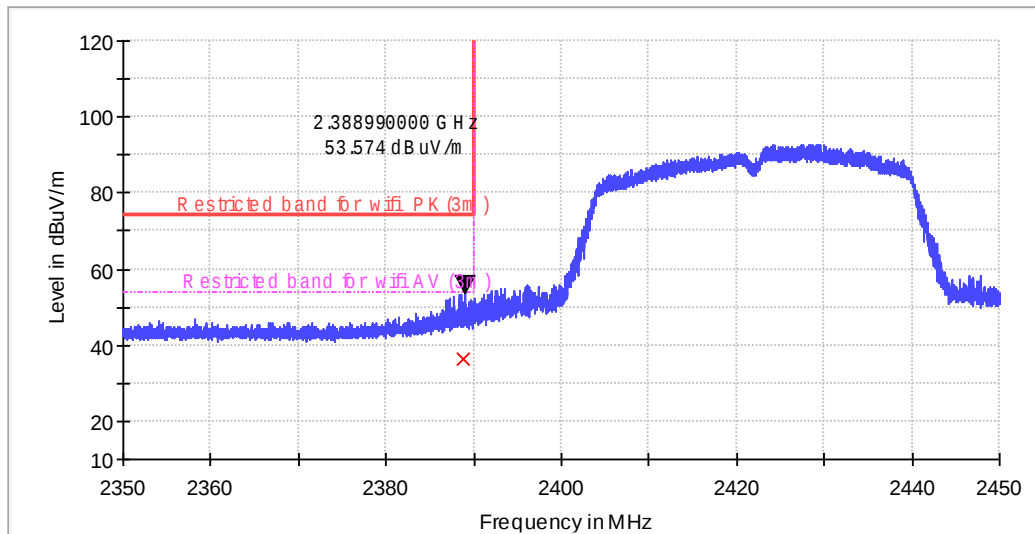
802.11n (HT40) mode with 13.5 Mbps data rate

Test at Channel 3 (2.422 GHz) in transmitting status
Horizontal



TEST REPORT

Vertical



PK Measurement:

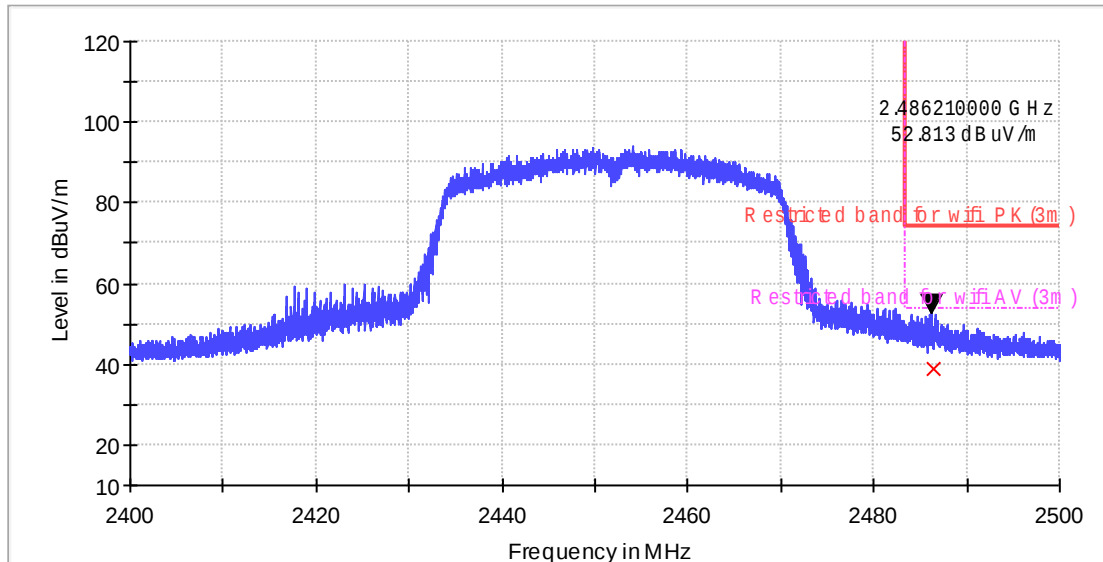
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.4	63.2	-8.2	55.0	74	H
2388.9	61.8	-8.2	53.6	74	V

AV Measurement:

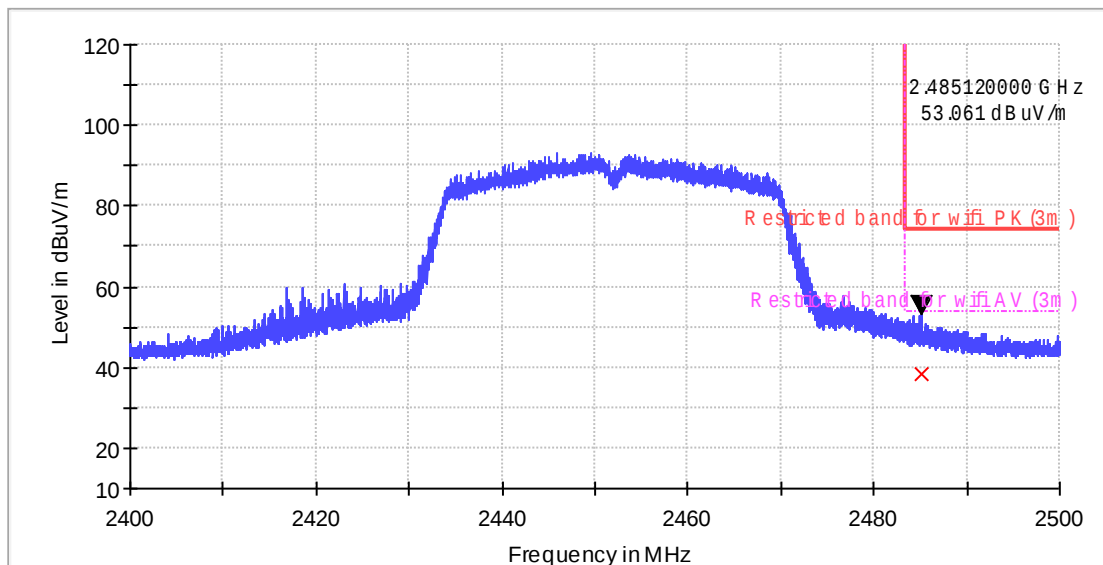
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.4	44.6	-8.2	36.4	54	H
2388.9	44.7	-8.2	36.5	54	V

TEST REPORT

Test at Channel 11 (2.452 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2486.2	60.6	-7.8	52.8	74	H
2485.2	60.9	-7.8	53.1	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2486.2	46.5	-7.8	38.7	54	H
2485.2	46.3	-7.8	38.5	54	V

For all emission(above 1G)

Final Test Level =Receiver Reading + Correction Factor

Correction Factor = Antenna Factor + Cable Loss –Preamplifier Factor.

When Peak emission level was below AV limit, the AV emission level did not be recorded.

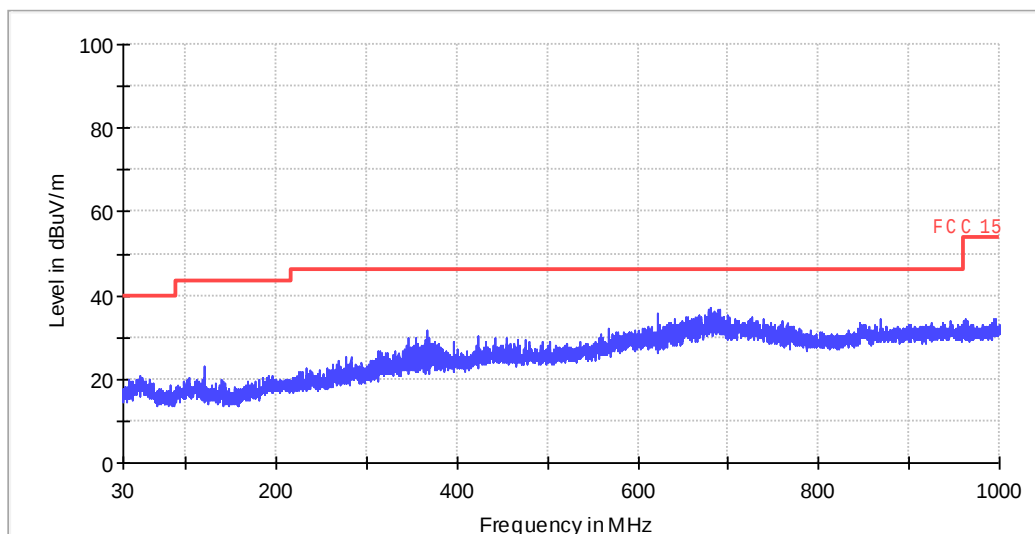
Model No. BSC-005

30 MHz~1 GHz Spurious Emissions. Quasi-Peak Measurement

Pre-scan all modes, worst case as below

802.11b mode with 1Mbps data rate Test at Channel 11 (2.462 GHz) in transmitting status

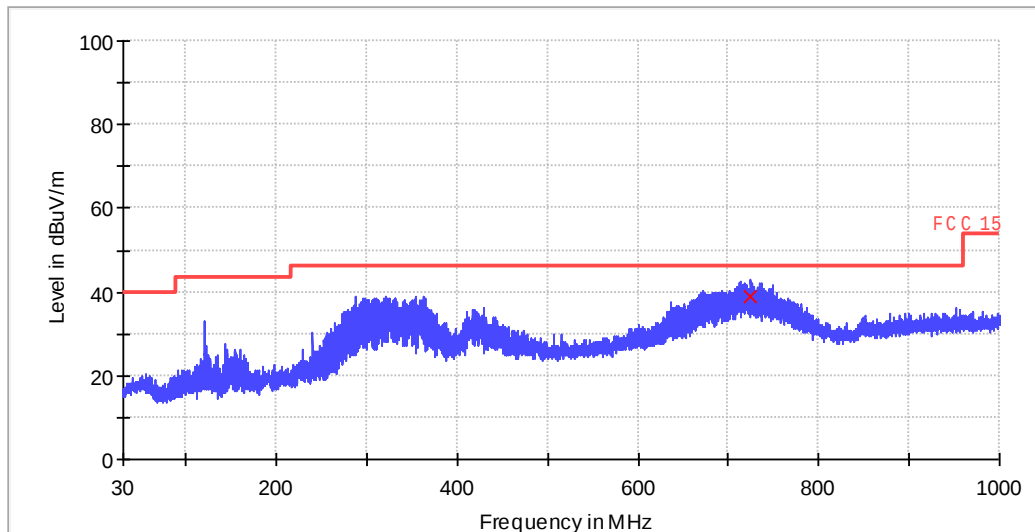
Vertical:



All emission levels are more than 6dB below the limit.

TEST REPORT

Horizontal:



QP

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
724.920000	38.8	1000.0	120.000	100.0	H	359.0	23.2	7.2	46.0

Remark:

1. Corr. (dB) = Antenna Factor (dB) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB) + Read Level (dBμV)
3. Margin (dB) = Limit QPK (dBμV/m) – Quasi Peak (dBμV/m)

1~25 GHz Radiated Emissions.

802.11b mode with 1Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBμV/m)	PK Limit (dBμV/m)	Antenna polarization
4822.8	48.4	-1.1	47.3	74	H
7236.8	44.7	2.3	47.0	74	H
4822.8	50.3	-1.1	49.2	74	V
7234.7	44.9	2.3	47.2	74	V

TEST REPORT

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	49.4	-1.0	48.4	74	H
7987.0	39.7	3.9	43.6	74	H
4873.8	47.3	-1.0	46.3	74	V
7309.1	43.8	2.4	46.2	74	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	48.9	-0.9	48.0	74	H
8388.6	40.7	4.3	45.0	74	H
4922.7	47.8	-0.9	46.9	74	V
7387.7	40.9	2.5	43.4	74	V

802.11g mode with 6Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.7	49.6	-1.1	48.5	74	H
7243.2	55.9	2.3	58.2	74	H
4825.0	53.0	-1.1	51.9	74	V
7236.8	52.7	2.3	55.0	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.7	/	-1.1	/	54	H
7243.2	38.7	2.3	41.0	54	H
4825.0	41.0	-1.1	39.9	54	V
7236.8	40.6	2.3	42.9	54	V

TEST REPORT

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4869.6	49.8	-1.0	48.8	74	H
7307.0	47.9	2.4	50.3	74	H
4876.0	49.9	-1.0	48.9	74	V
7313.3	53.2	2.4	55.6	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4869.6	/	-1.0	/	54	H
7307.0	/	2.4	/	54	H
4876.0	/	-1.0	/	54	V
7313.3	37.1	2.4	39.5	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	50.1	-0.9	49.2	74	H
7385.6	44.7	2.5	47.2	74	H
4920.6	47.9	-0.9	47.0	74	V
7385.6	51.3	2.5	53.8	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	/	-0.9	/	54	H
7385.6	/	2.5	/	54	H
4920.6	/	-0.9	/	54	V
7385.6	37.3	2.5	39.8	54	V

TEST REPORT

802.11n20 mode with 6.5Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.7	49.5	-1.1	48.4	74	H
7241.1	53.4	2.3	55.7	74	H
4822.8	50.1	-1.1	49.0	74	V
7234.7	52.9	2.3	55.2	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4820.7	/	-1.1	/	54	H
7241.1	37.9	2.3	40.2	54	H
4822.8	/	-1.1	/	54	V
7234.7	39.8	2.3	42.1	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.7	52.6	-1.0	51.6	74	H
7309.1	47.8	2.4	50.2	74	H
4873.8	47.6	-1.0	46.6	74	V
7315.5	55.5	2.4	57.9	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.7	/	-1.0	/	54	H
7309.1	/	2.4	/	54	H
4873.8	/	-1.0	/	54	V
7315.5	35.9	2.4	38.3	54	V

TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4924.8	50.0	-0.9	49.1	74	H
7385.6	47.5	2.5	50.0	74	H
4924.8	48.3	-0.9	47.4	74	V
7383.5	52.8	2.5	55.3	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4924.8	/	-0.9	/	54	H
7385.6	/	2.5	/	54	H
4924.8	/	-0.9	/	54	V
7383.5	36.6	2.5	39.1	54	V

802.11n40 mode with 13.5Mbps data rate as below

Test at Channel 3 (2.422 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
5420.0	42.6	-0.2	42.4	74	H
9514.8	41.5	4.8	46.3	74	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
8059.2	40.5	4.0	44.5	74	H
8084.7	39.8	4.0	43.8	74	V

Test at Channel 9 (2.452 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
8403.5	39.6	4.3	43.9	74	H
9546.7	40.9	4.9	45.8	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

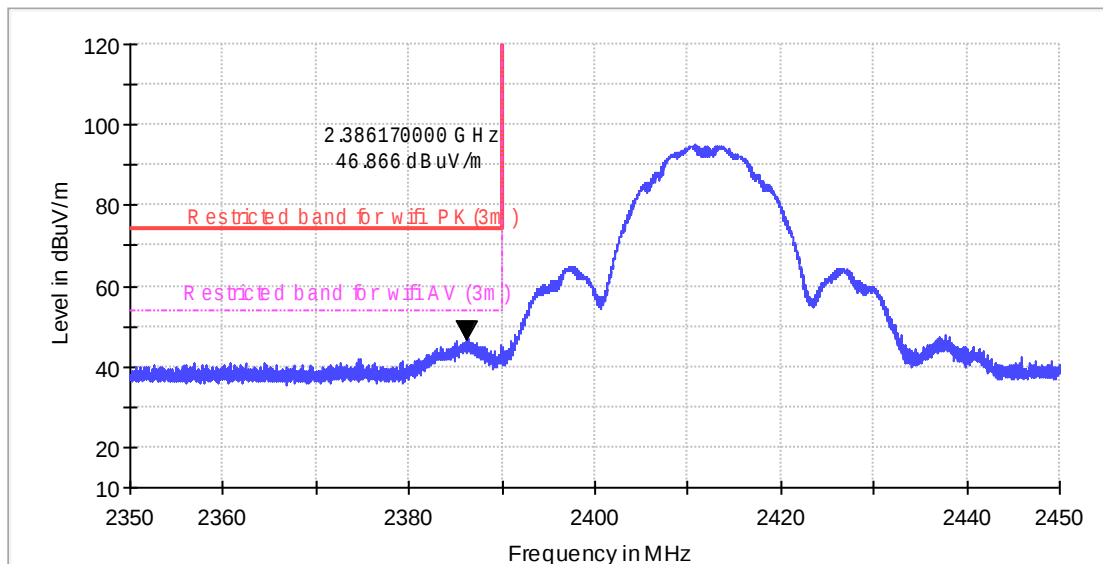
TEST REPORT

Band Edges Emission

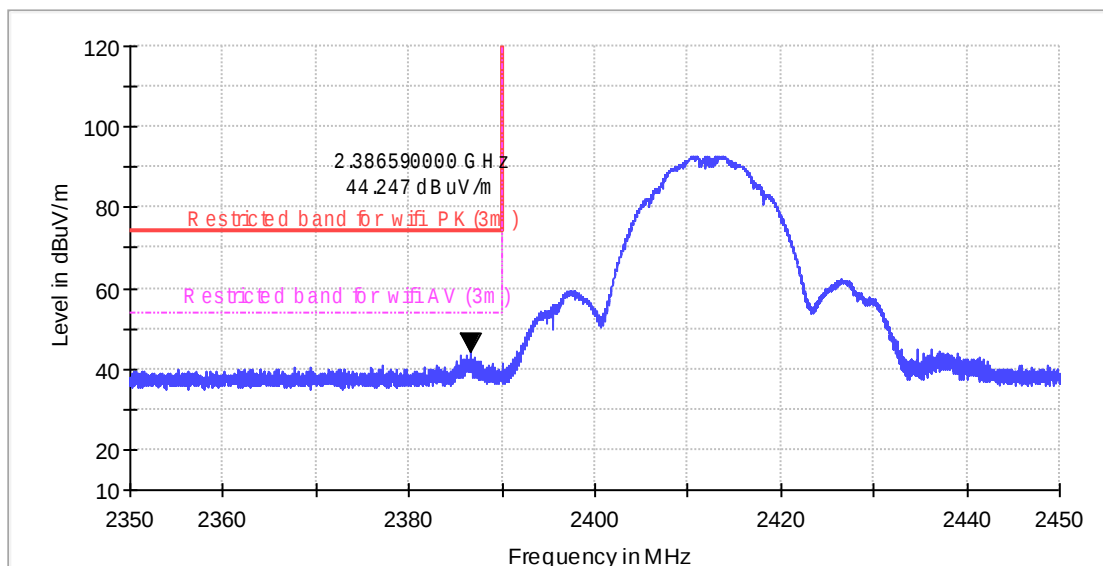
802.11b mode with 1Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

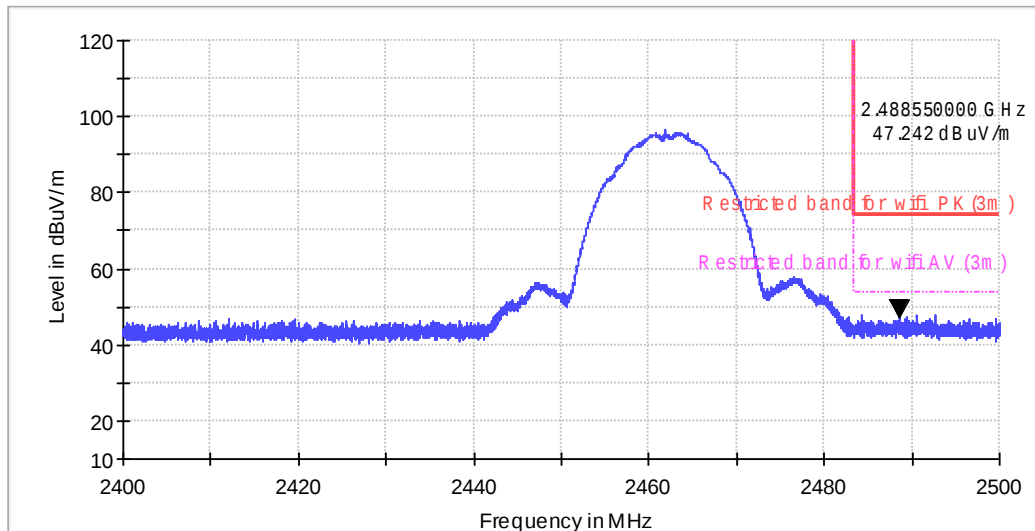
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2386.1	55.1	-8.2	46.9	74	H
2386.5	52.4	-8.2	44.2	74	V

TEST REPORT

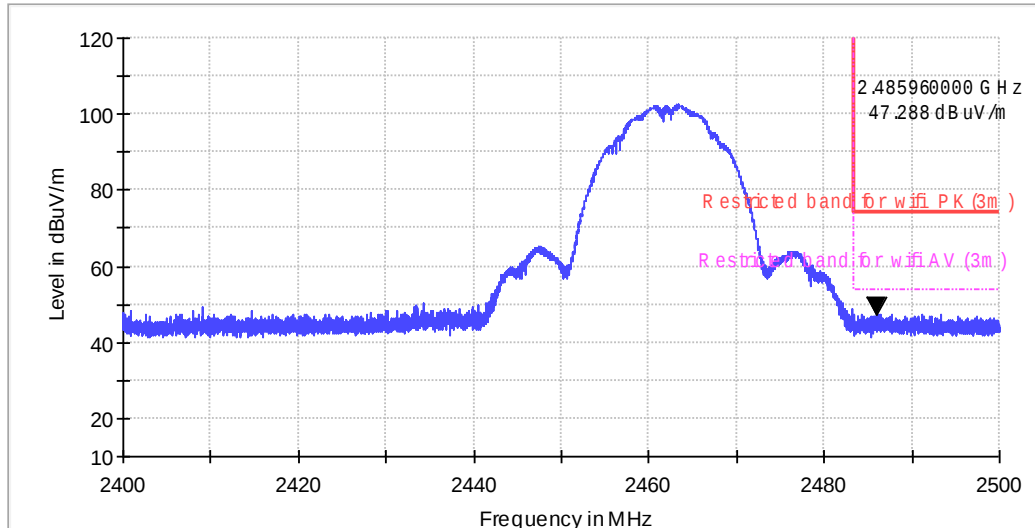
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

Test at Channel 11 (2.462 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2488.5	55.0	-7.8	47.2	74	H
2485.9	55.1	-7.8	47.3	74	V

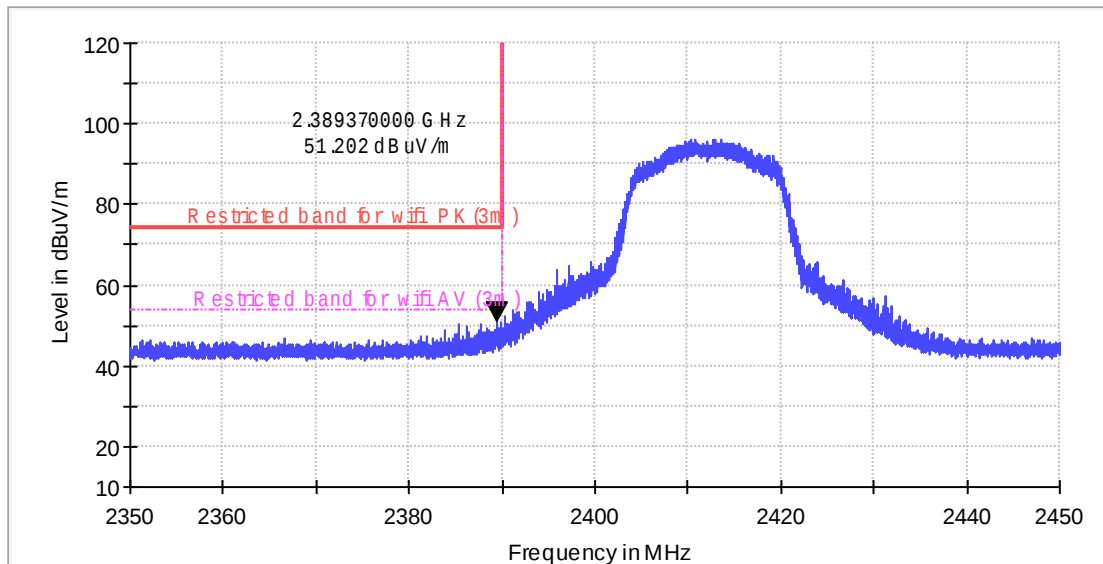
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

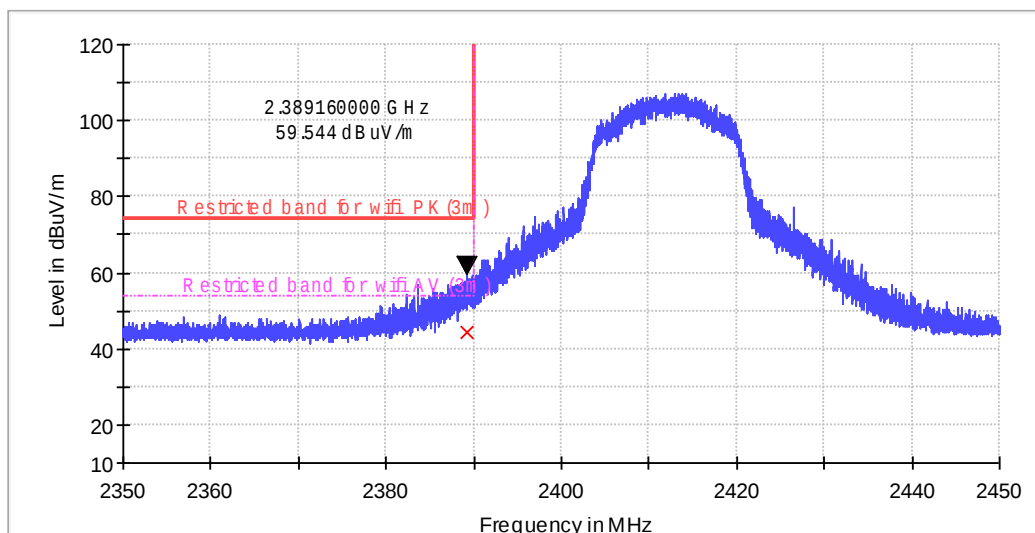
802.11g mode with 6Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

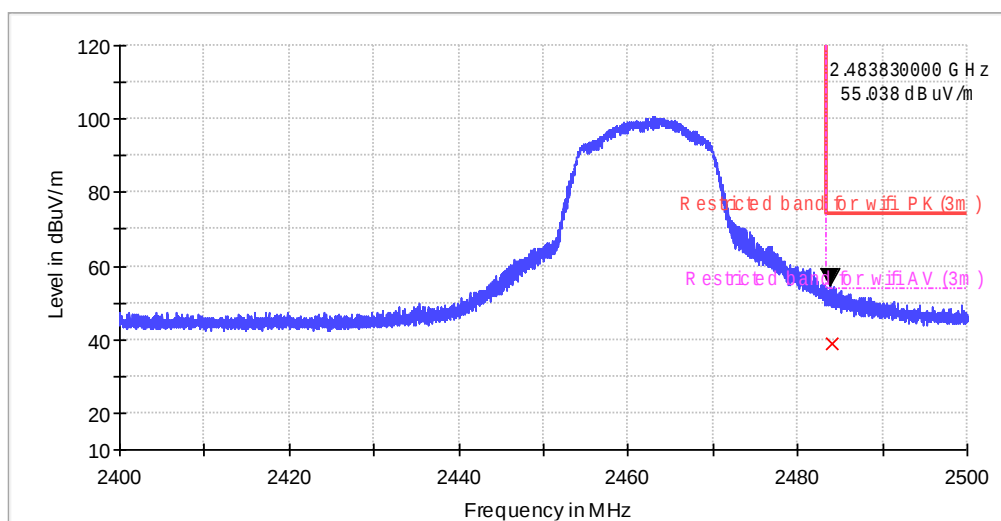
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.3	59.4	-8.2	51.2	74	H
2389.1	67.7	-8.2	59.5	74	V

TEST REPORT

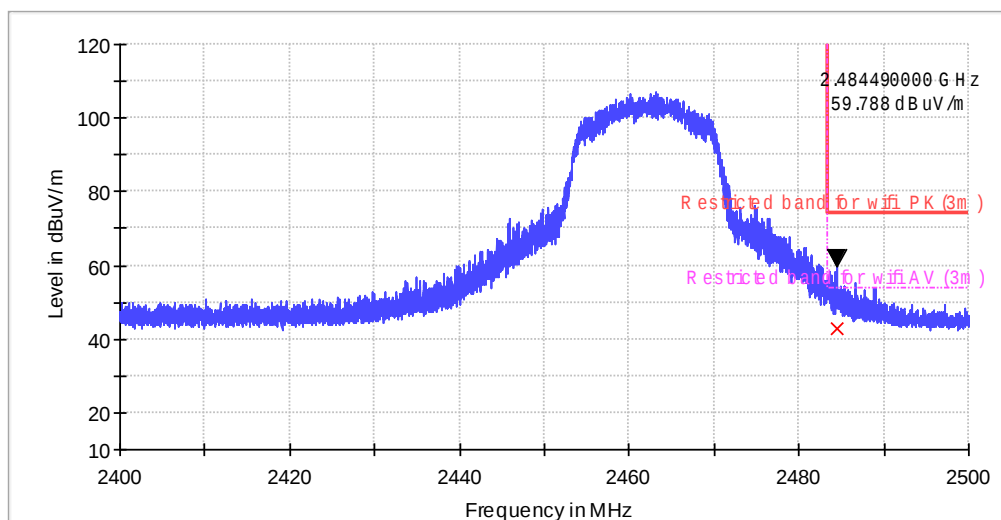
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.3	/	-8.2	/	54	H
2389.1	52.5	-8.2	44.3	54	V

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



TEST REPORT

PK Measurement:

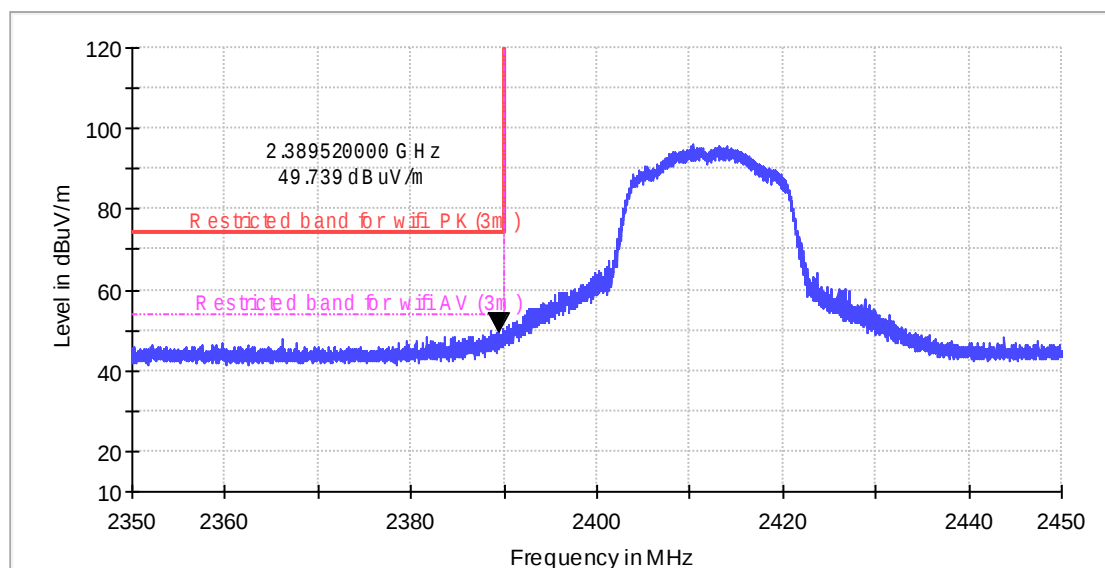
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.8	62.8	-7.8	55.0	74	H
2484.4	67.6	-7.8	59.8	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.8	46.4	-7.8	38.6	54	H
2484.4	50.8	-7.8	43.0	54	V

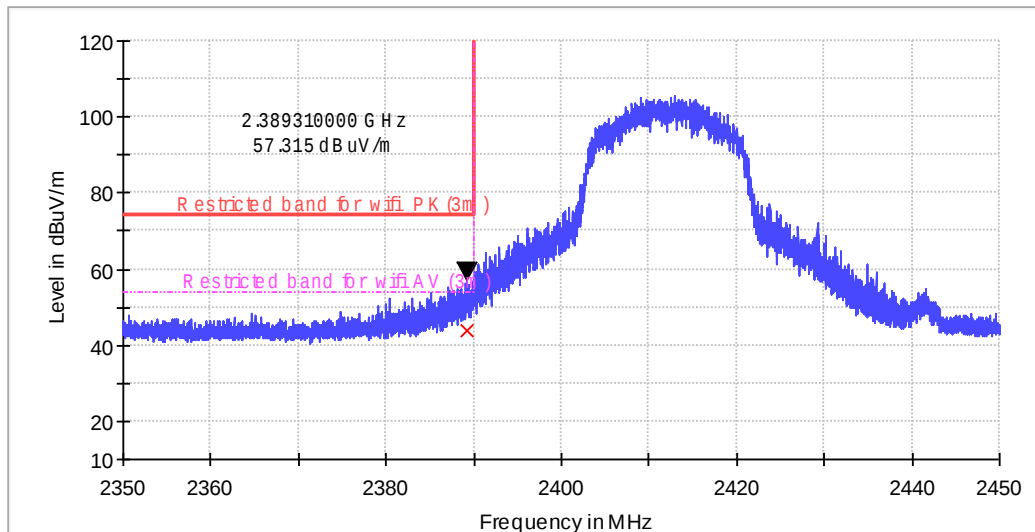
802.11n (HT20) mode with 6.5Mbps data rate
Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



TEST REPORT

Vertical



PK Measurement:

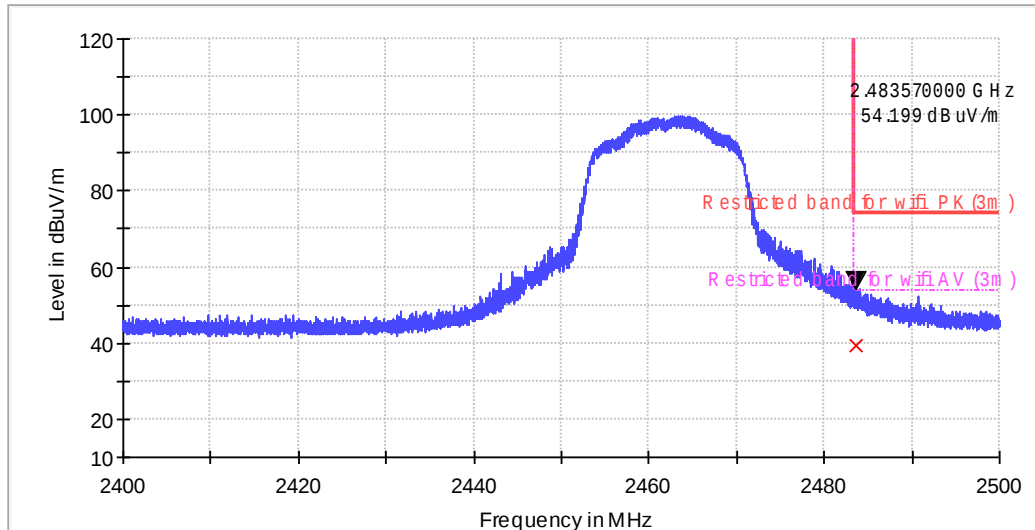
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.5	57.9	-8.2	49.7	74	H
2389.3	65.5	-8.2	57.3	74	V

AV Measurement:

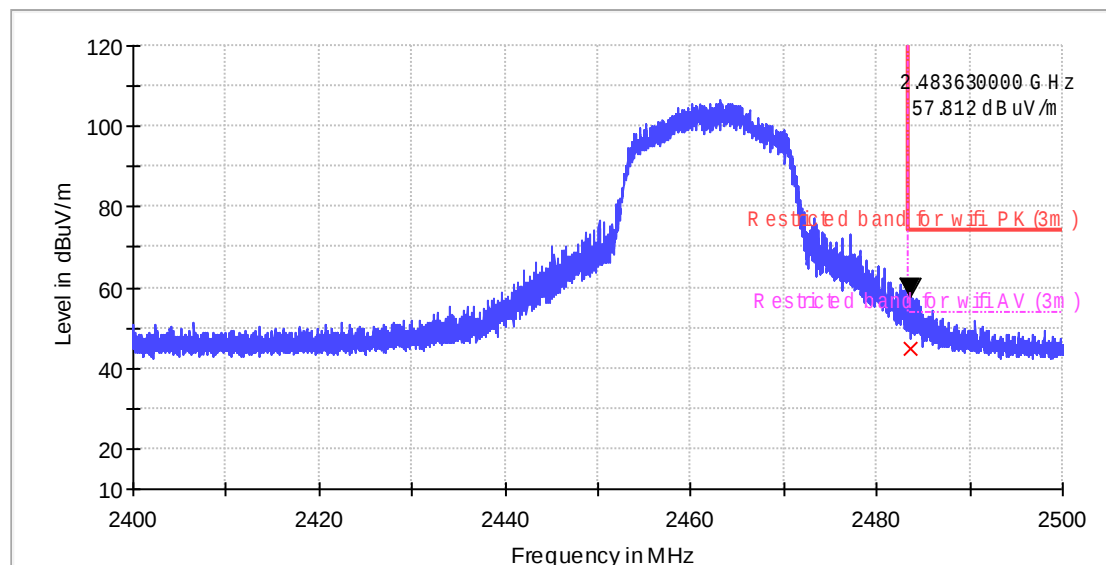
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.5		-8.2		54	H
2389.3	52.0	-8.2	43.8	54	V

TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.5	62.0	-7.8	54.2	74	H
2483.6	65.6	-7.8	57.8	74	V

AV Measurement:

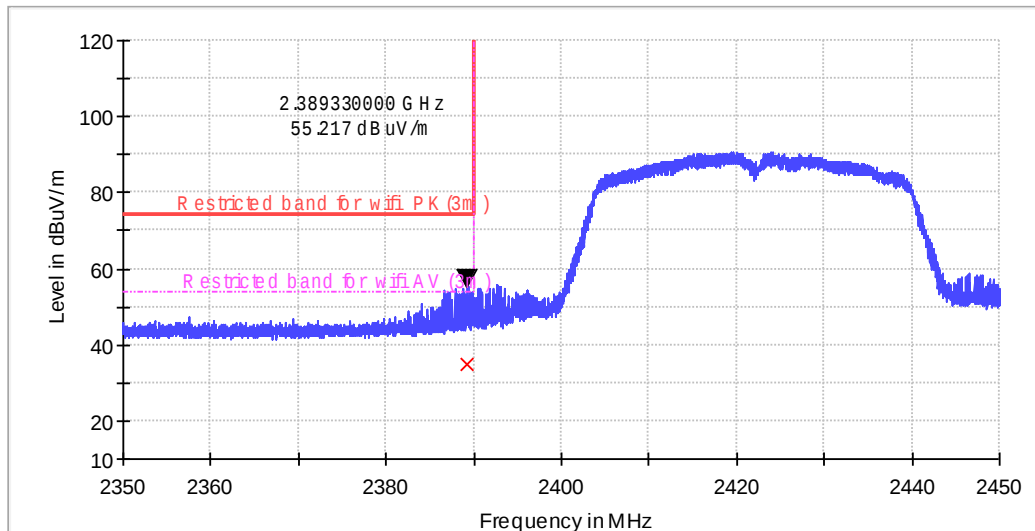
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.5	47.1	-7.8	39.3	54	H
2483.6	52.7	-7.8	44.9	54	V

TEST REPORT

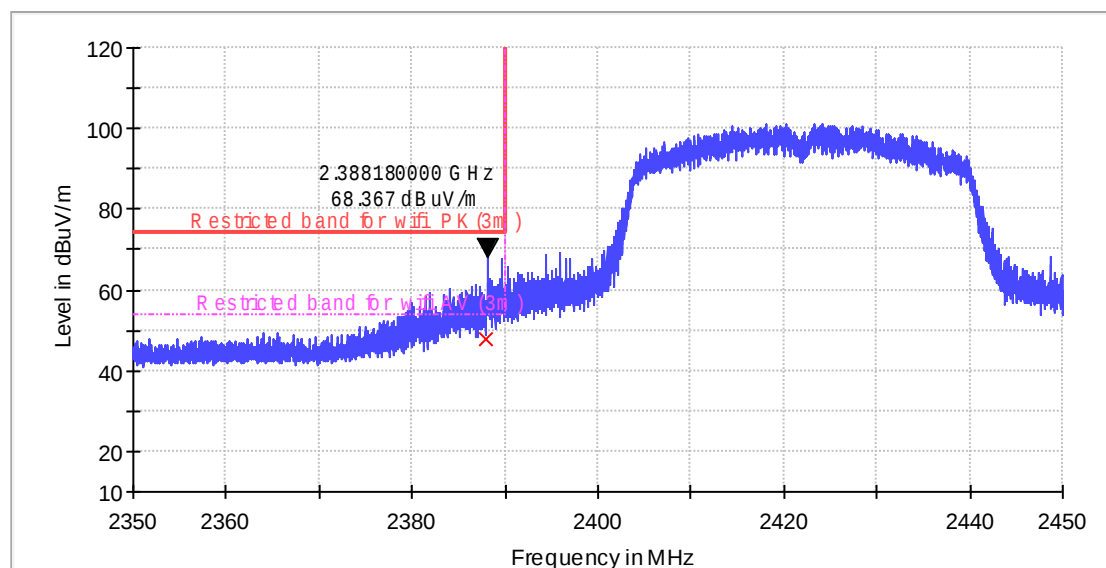
802.11n (HT40) mode with 13.5 Mbps data rate

Test at Channel 3 (2.422 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

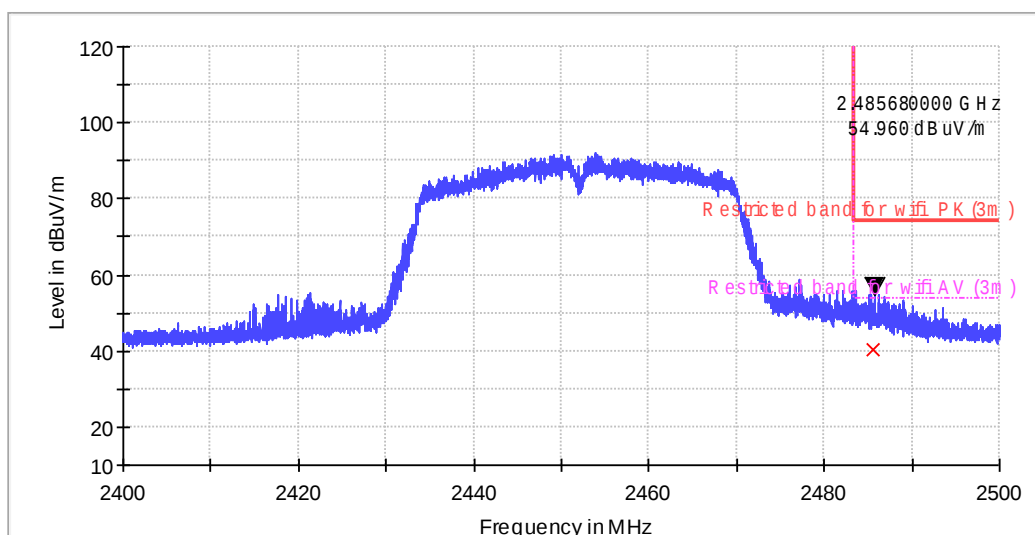
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.3	63.4	-8.2	55.2	74	H
2388.1	76.6	-8.2	68.4	74	V

TEST REPORT

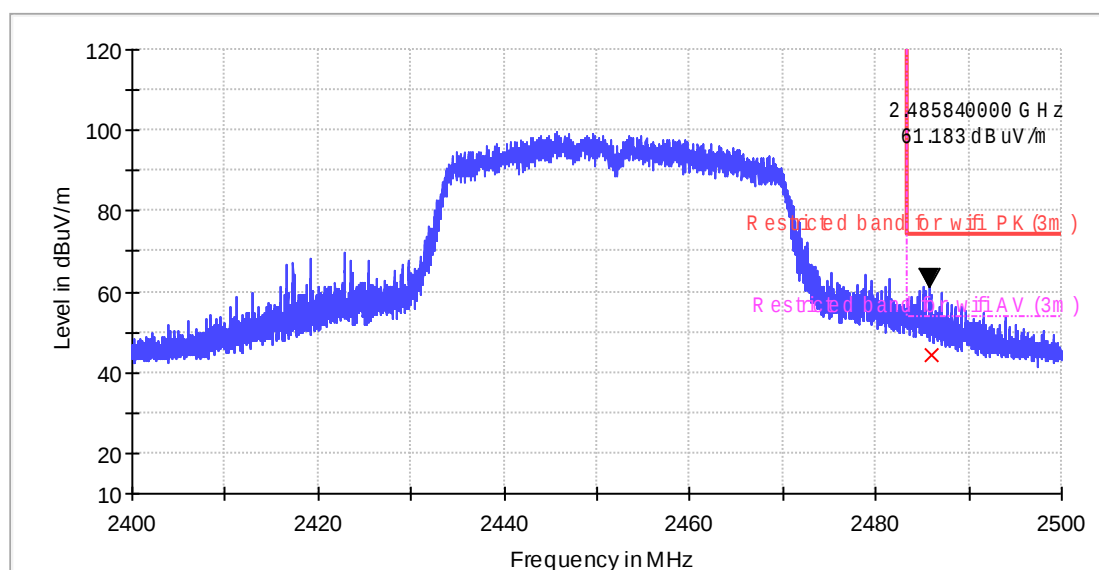
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.3	43.3	-8.2	35.1	54	H
2388.1	55.8	-8.2	47.6	54	V

Test at Channel 11 (2.452 GHz) in transmitting status
Horizontal



Vertical



TEST REPORT

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.6	62.8	-7.8	55.0	74	H
2485.5	69.0	-7.8	61.2	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.6	48.2	-7.8	40.4	54	H
2485.5	52.1	-7.8	44.3	54	V

For all emission(above 1G)

Final Test Level =Receiver Reading + Correction Factor

Correction Factor = Antenna Factor + Cable Loss –Preamplifier Factor.

When Peak emission level was below AV limit, the AV emission level did not be recorded.

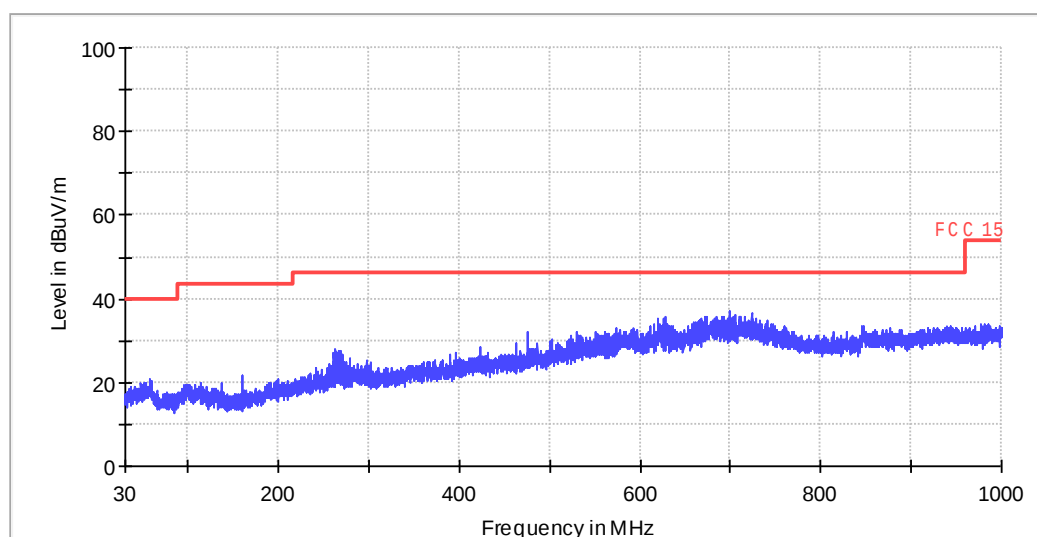
Model No. BSC-006

30 MHz~1 GHz Spurious Emissions. Quasi-Peak Measurement

Pre-scan all modes, worst case as below

802.11b mode with 1Mbps data rate Test at Channel 11 (2.462 GHz) in transmitting status

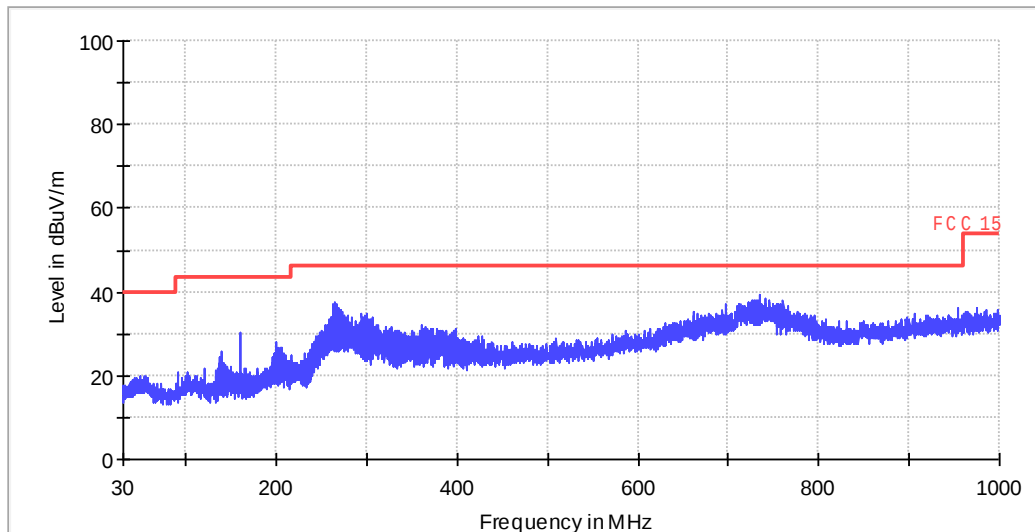
Vertical:



All emission levels are more than 6dB below the limit.

TEST REPORT

Horizontal:



1~25 GHz Radiated Emissions.

802.11b mode with 1Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
4822.8	54.4	-1.1	53.3	74	H
9619.0	41.6	5.2	46.8	74	H
4322.8	56.3	-2.0	54.3	74	V
7234.7	41.6	2.3	43.9	74	V

AV Measurement:

Frequency (MHz)	Reading Level (dBuV)	Correction factors (dB)	AV Emission Level (dBuV/m)	AV Limit (dBuV/m)	Antenna polarization
4822.8	54.1	-1.1	53.0	54	H
9619.0	/	5.2	/	54	H
4322.8	56.3	-2.0	52.6	54	V
7234.7	/	2.3	/	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

TEST REPORT

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	52.7	-1.0	51.7	74	H
8403.5	39.6	4.3	43.9	74	H
4873.8	53.2	-1.0	52.2	74	V
8112.3	40.4	4.0	44.4	74	V

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	52.1	-1.0	51.1	54	H
8403.5	/	4.3	/	54	H
4873.8	52.4	-1.0	51.4	54	V
8112.3	/	4.0	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	47.5	-0.9	46.6	74	H
4922.7	48.1	-0.9	47.2	74	V

802.11g mode with 6Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4818.6	60.1	-1.1	59.0	74	H
7236.8	46.4	2.3	48.7	74	H
4920.7	60.1	-0.9	59.2	74	V
7234.7	46.2	2.3	48.5	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4818.6	47.3	-1.1	46.2	54	H
7236.8	/	2.3	/	54	H
4920.7	46.7	-0.9	45.8	54	V
7234.7	/	2.3	/	54	V

TEST REPORT

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	54.0	-1.0	53.0	74	H
7311.2	44.7	2.4	47.1	74	H
4880.2	54.4	-1.0	53.4	74	V
7311.2	46.1	2.4	45.2	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	47.2	-1.0	46.2	54	H
7311.2	/	2.4	/	54	H
4880.2	44.5	-1.0	43.5	54	V
7311.2	/	2.4	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4920.6	45.8	-0.9	44.9	74	H
9349.1	41.0	4.6	45.6	74	H
4920.6	49.5	-0.9	48.6	74	V
7385.6	41.6	2.5	44.1	74	V

802.11n20 mode with 6.5Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4816.5	59.1	-1.1	58.0	74	H
7241.1	45.3	2.3	47.6	74	H
4825.0	57.6	-1.1	56.5	74	V
7243.2	43.6	2.3	45.9	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4816.5	46.8	-1.1	45.7	54	H
7241.1	/	2.3	/	54	H
4825.0	46.5	-1.1	45.4	54	V
7243.2	/	2.3	/	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.7	53.8	-1.0	52.8	74	H
7311.2	43.6	2.4	46.0	74	H
4869.6	52.9	-1.0	51.9	74	V
7307.0	43.3	2.4	45.7	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4871.7	40.6	-1.0	39.6	54	H
7311.2	/	2.4	/	54	H
4869.6	43.6	-1.0	42.6	54	V
7307.0	/	2.4	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4924.8	51.0	-0.9	50.1	74	H
9578.6	40.8	5.0	45.8	74	H
4924.8	47.6	-0.9	46.7	74	V
7396.2	51.1	2.5	53.6	74	V

TEST REPORT

802.11n40 mode with 13.5Mbps data rate as below

Test at Channel 3 (2.422 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
8237.7	39.3	4.2	43.5	74	H
7719.2	40.6	3.2	43.8	74	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
8029.5	40.6	4.0	44.6	74	H
8828.5	40.7	4.5	45.2	74	V

Test at Channel 9 (2.452 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
7347.3	43.5	2.5	46.0	74	H
8539.5	40.1	4.4	44.5	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

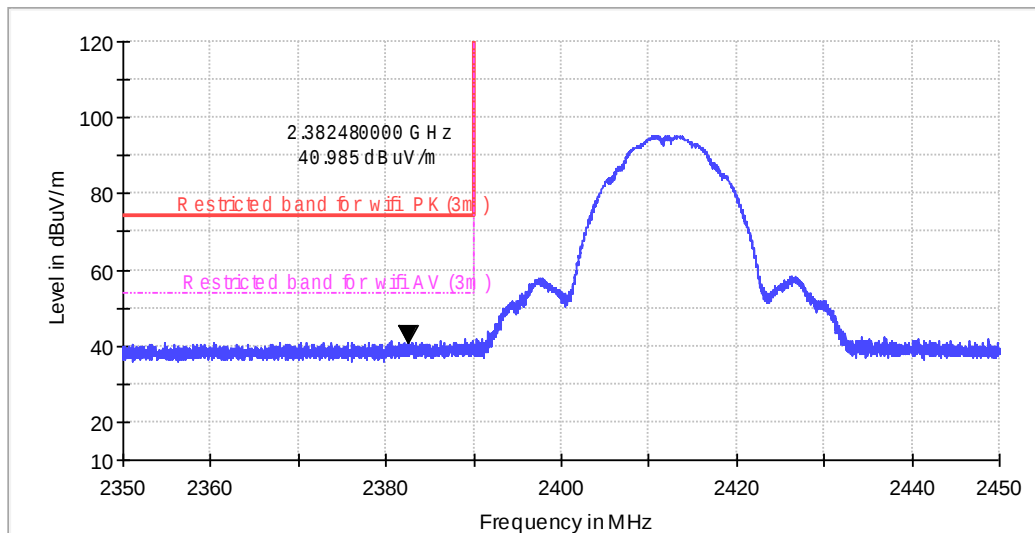
TEST REPORT

Band Edges Emission

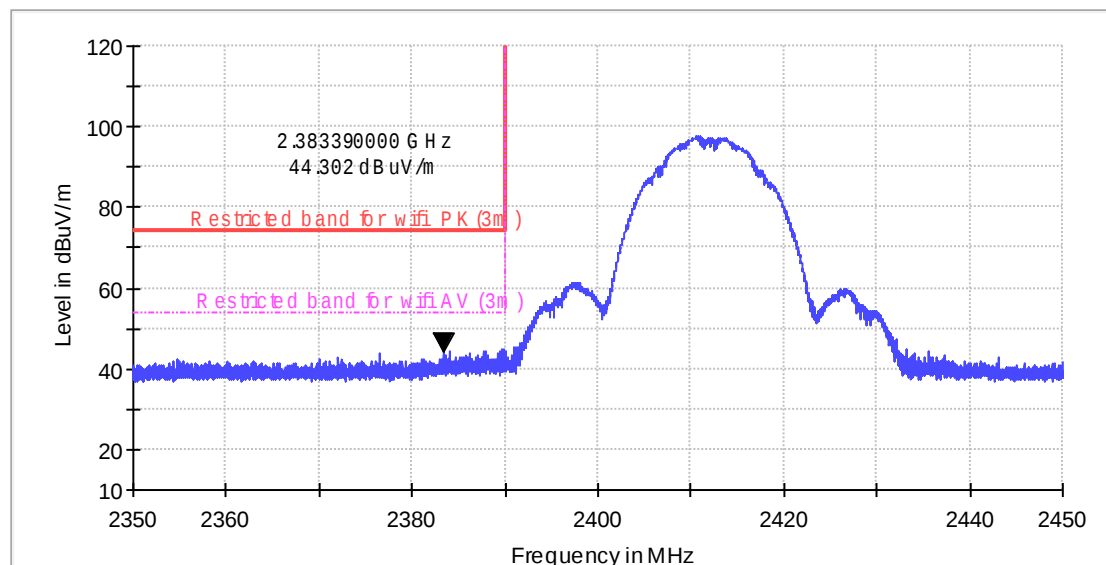
802.11b mode with 1Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

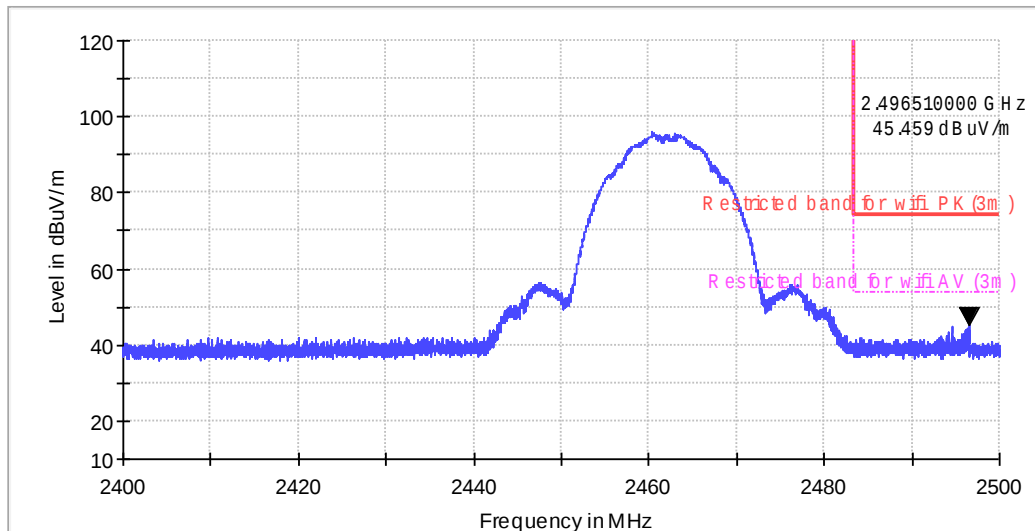
Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2382.4	49.2	-8.2	41.0	74	H
2383.3	52.5	-8.2	44.3	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

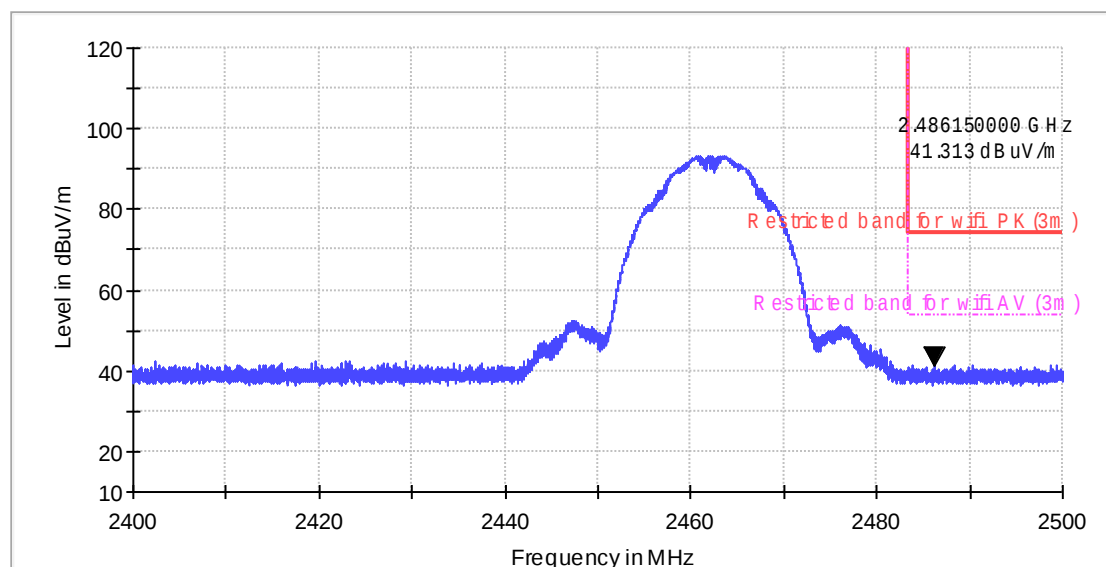
TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2496.5	53.3	-7.8	45.5	74	H
2486.1	49.1	-7.8	41.3	74	V

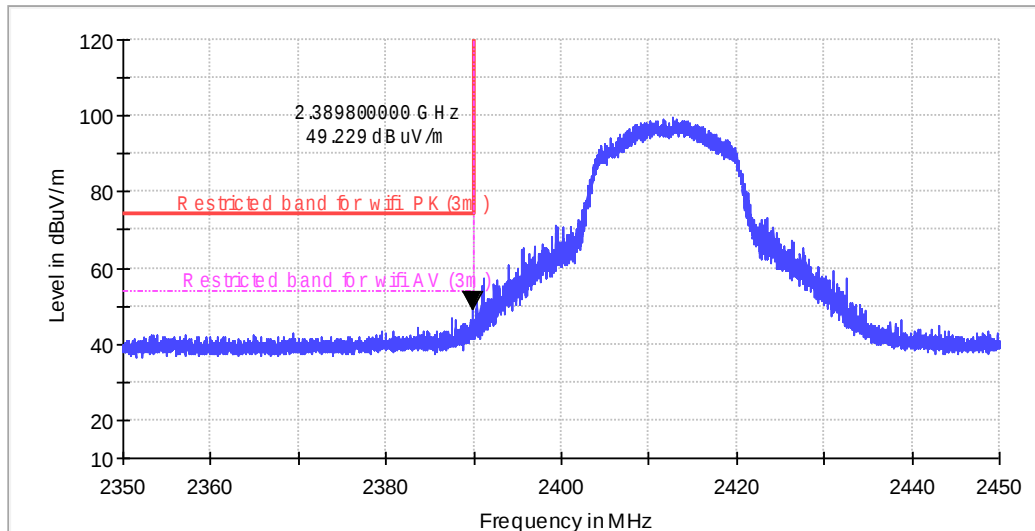
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

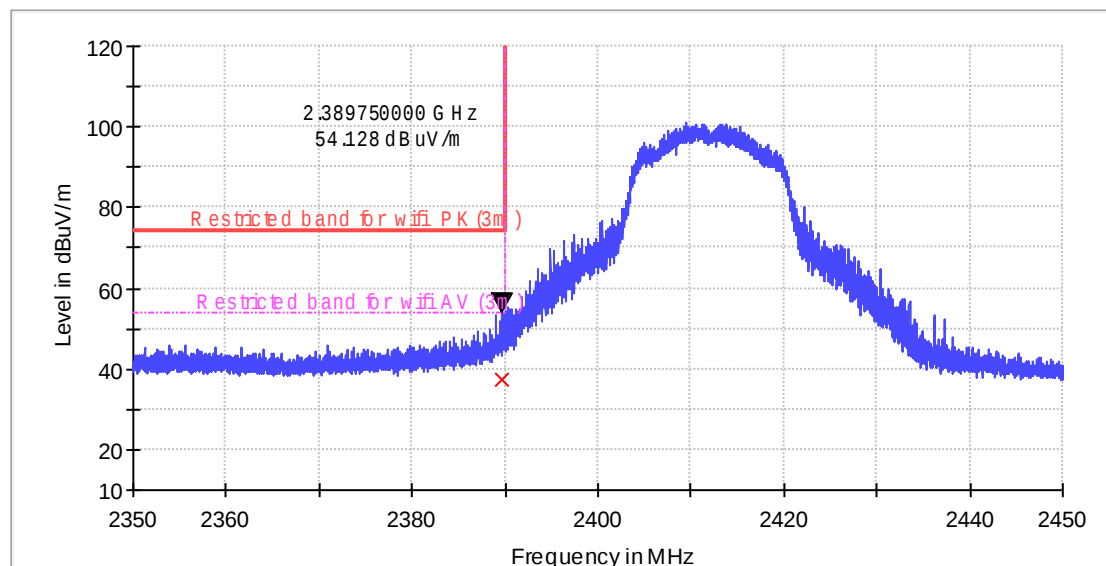
802.11g mode with 6Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

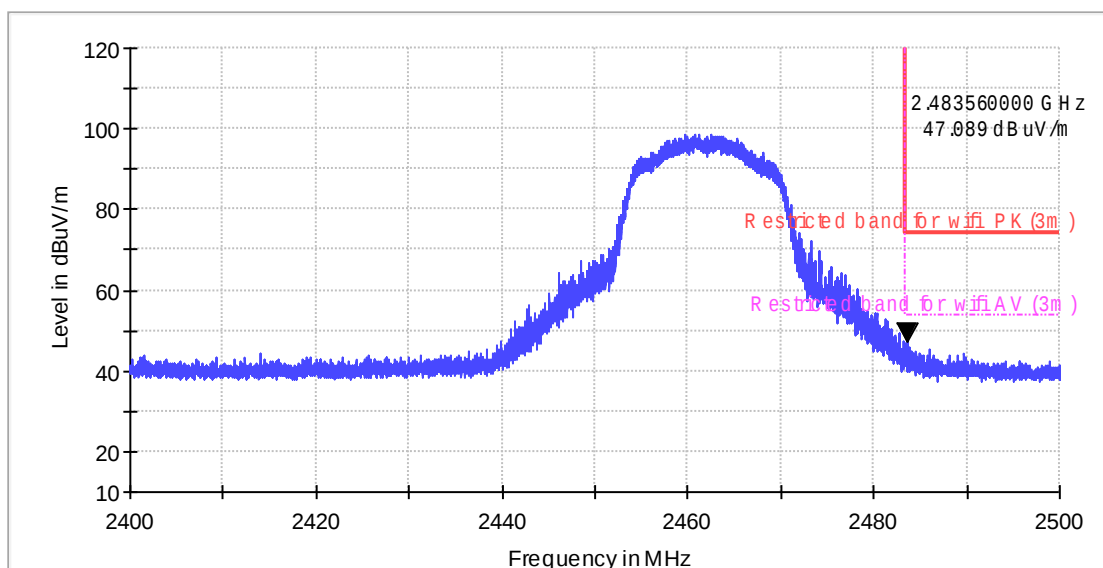
Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2389.8	57.4	-8.2	49.2	74	H
2389.7	62.3	-8.2	54.1	74	V

TEST REPORT

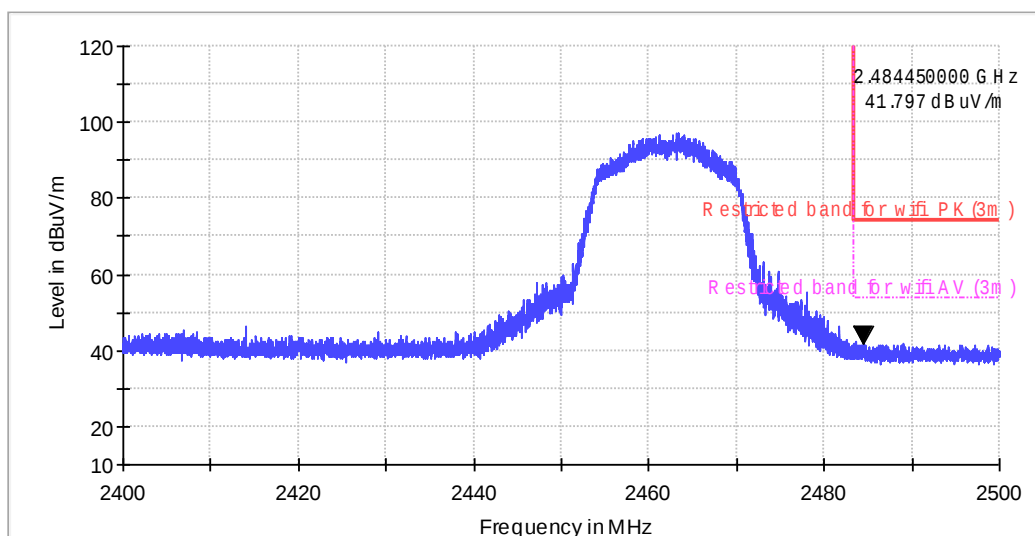
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.8	/	-8.2	/	54	H
2389.7	45.5	-8.2	37.3	54	V

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



TEST REPORT

PK Measurement:

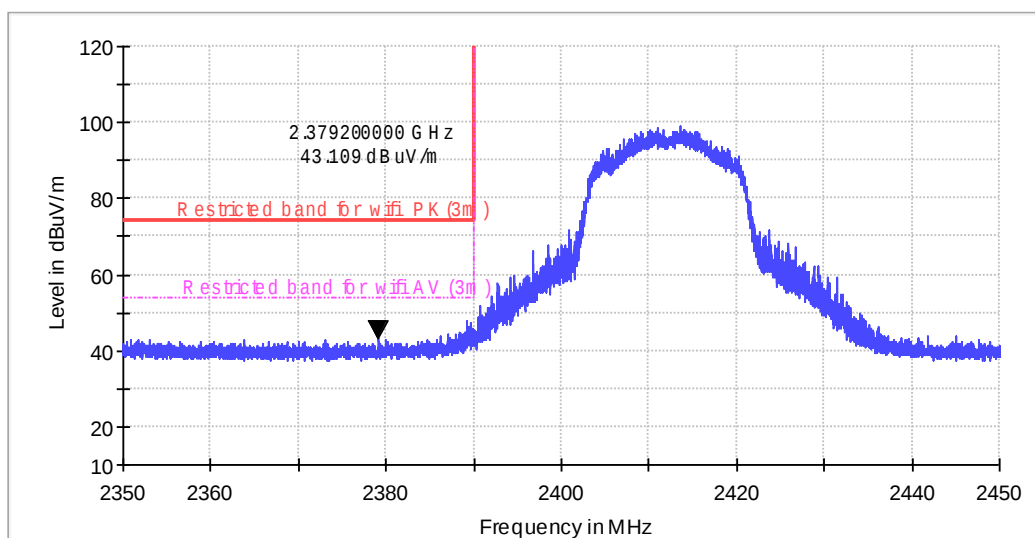
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.5	54.9	-7.8	47.1	74	H
2484.4	49.6	-7.8	41.8	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

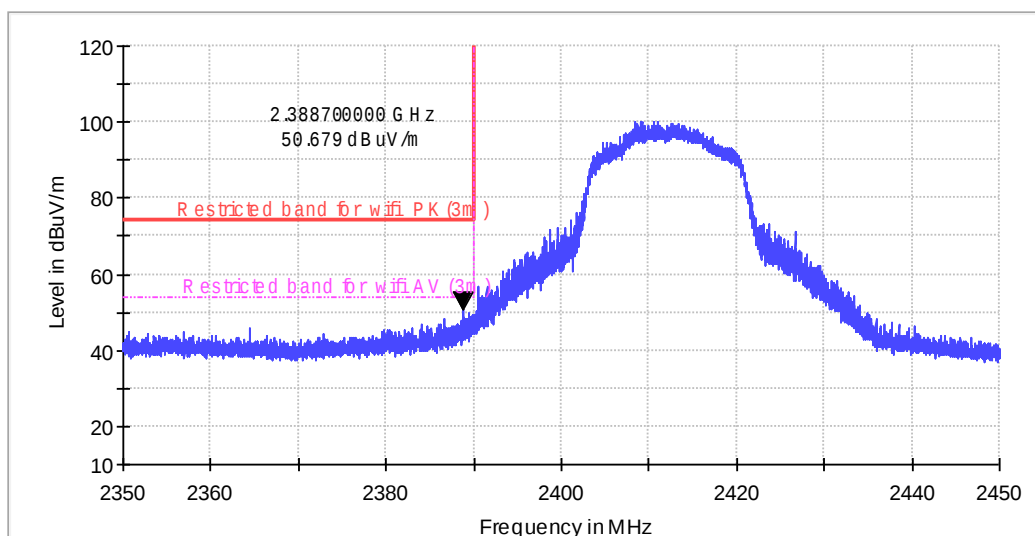
802.11n (HT20) mode with 6.5Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

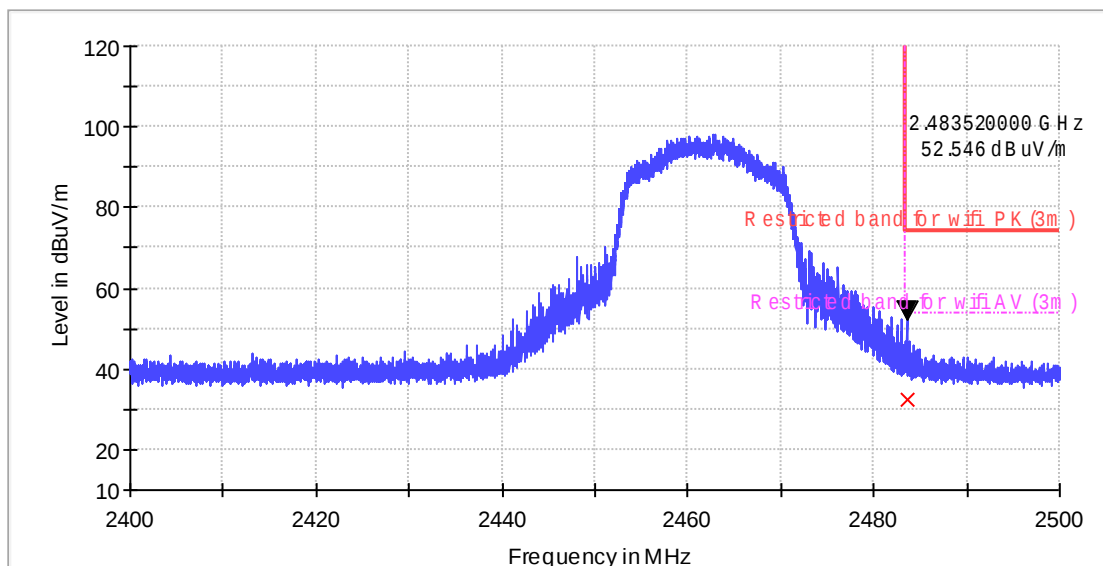
PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2379.2	51.3	-8.2	43.1	74	H
2388.7	58.9	-8.2	50.7	74	V

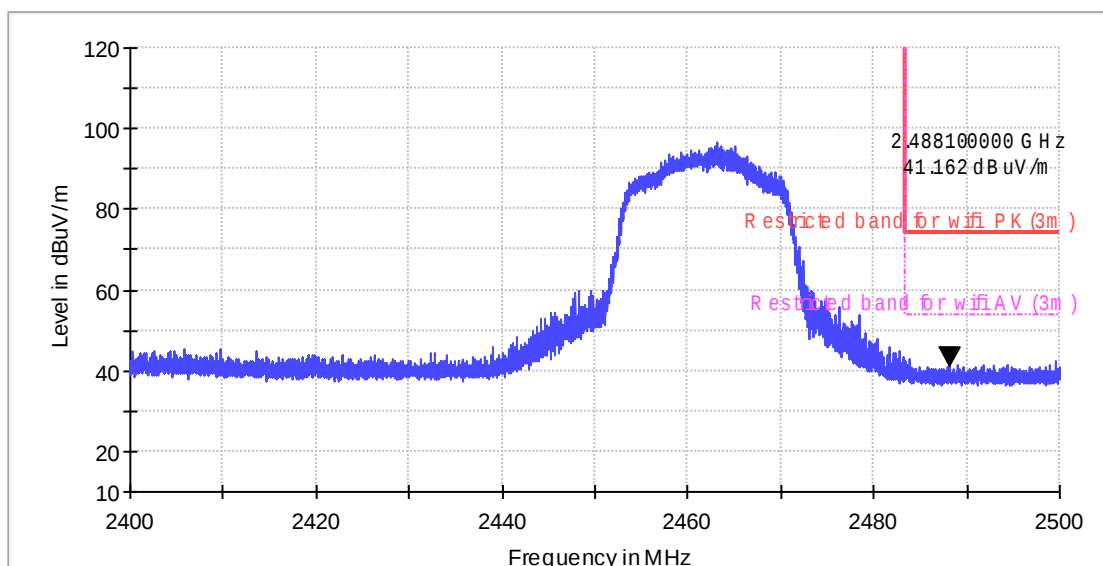
Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

Test at Channel 11 (2.462 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

PK Measurement:

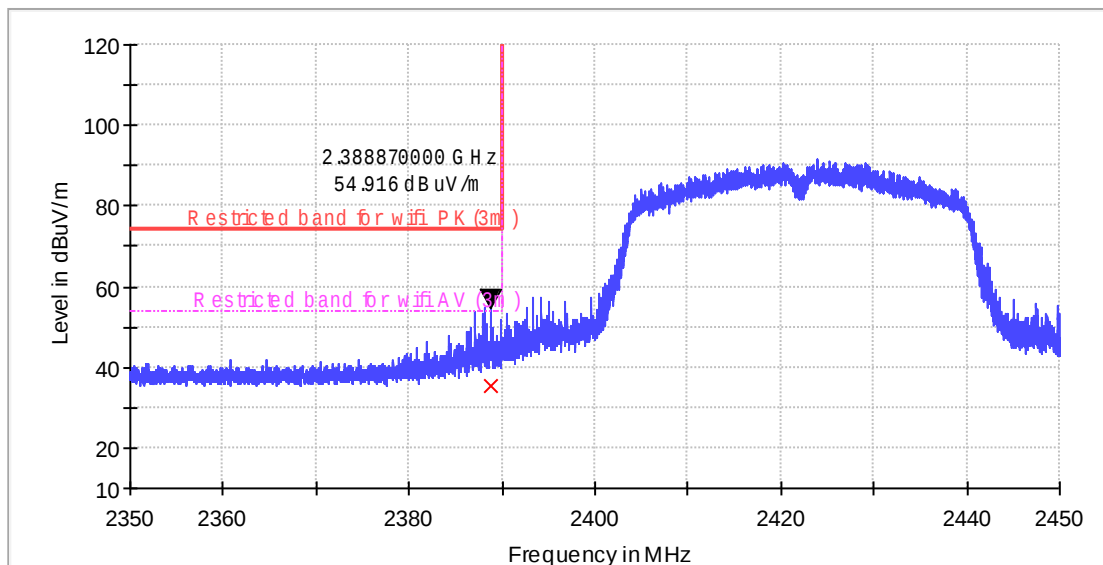
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.5	60.3	-7.8	52.5	74	H
2488.1	49.0	-7.8	41.2	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2483.5	40.2	-7.8	32.4	54	H
2488.1	/	-7.8	/	54	V

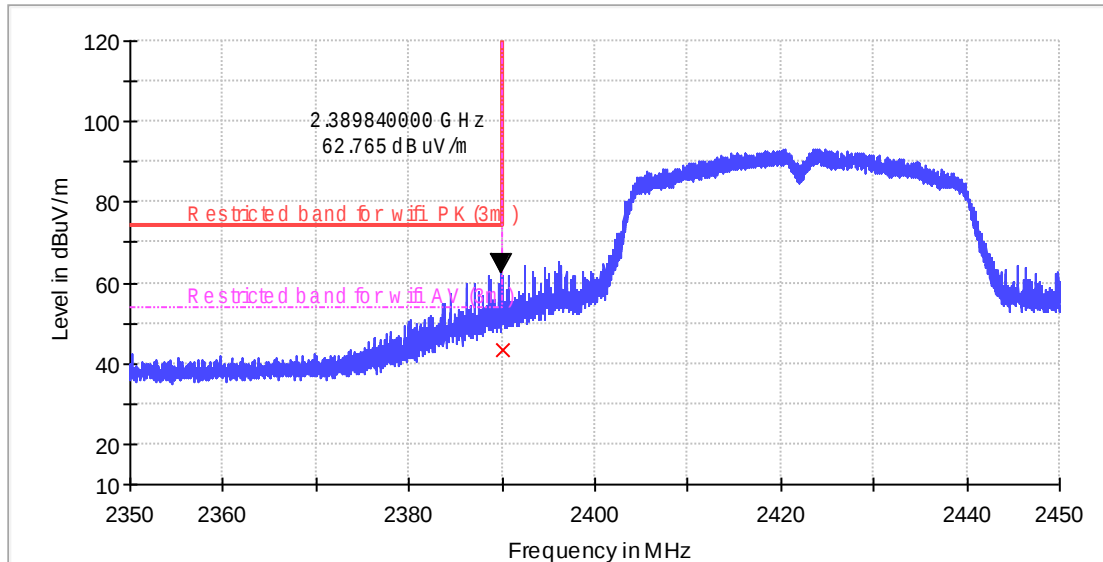
802.11n (HT40) mode with 13.5 Mbps data rate

Test at Channel 3 (2.422 GHz) in transmitting status
Horizontal



TEST REPORT

Vertical



PK Measurement:

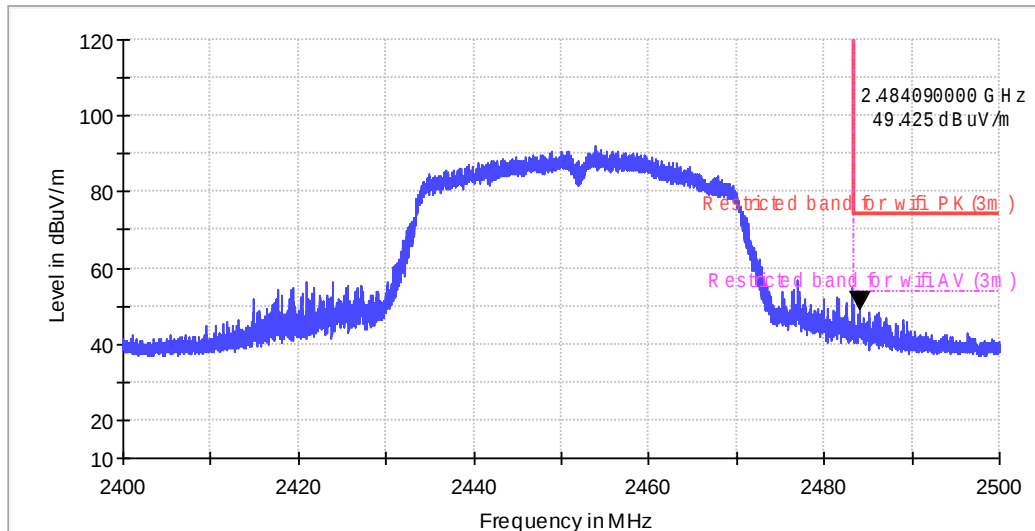
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	63.1	-8.2	54.9	74	H
2389.8	71.0	-8.2	62.8	74	V

AV Measurement:

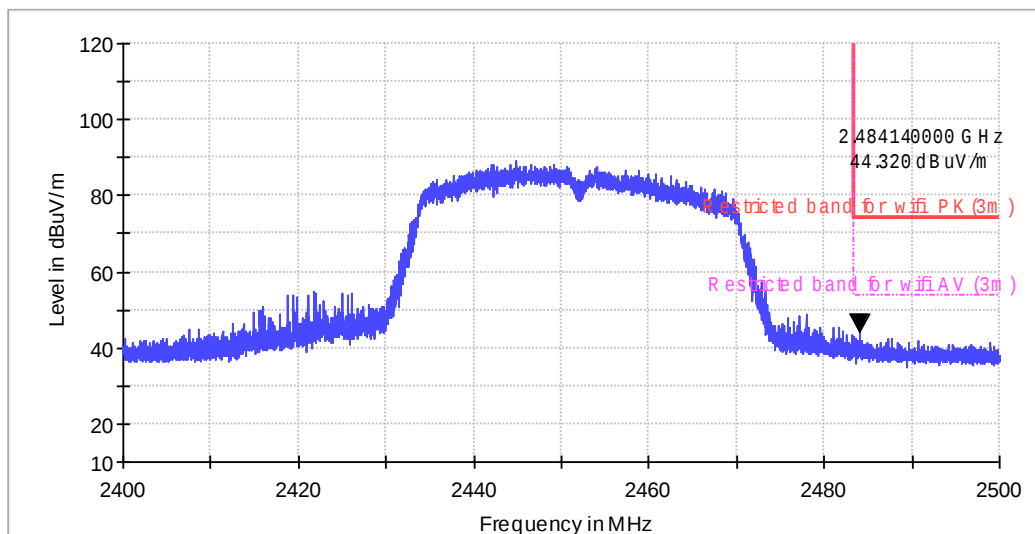
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	43.5	-8.2	35.3	54	H
2389.8	51.5	-8.2	43.3	54	V

TEST REPORT

Test at Channel 11 (2.452 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2484.1	57.2	-7.8	49.4	74	H
2484.1	52.1	-7.8	44.3	74	V

Remark:

When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

For all emission(above 1G)

Final Test Level =Receiver Reading + Correction Factor

Correction Factor = Antenna Factor + Cable Loss –Preamplifier Factor.

When Peak emission level was below AV limit, the AV emission level did not be recorded.

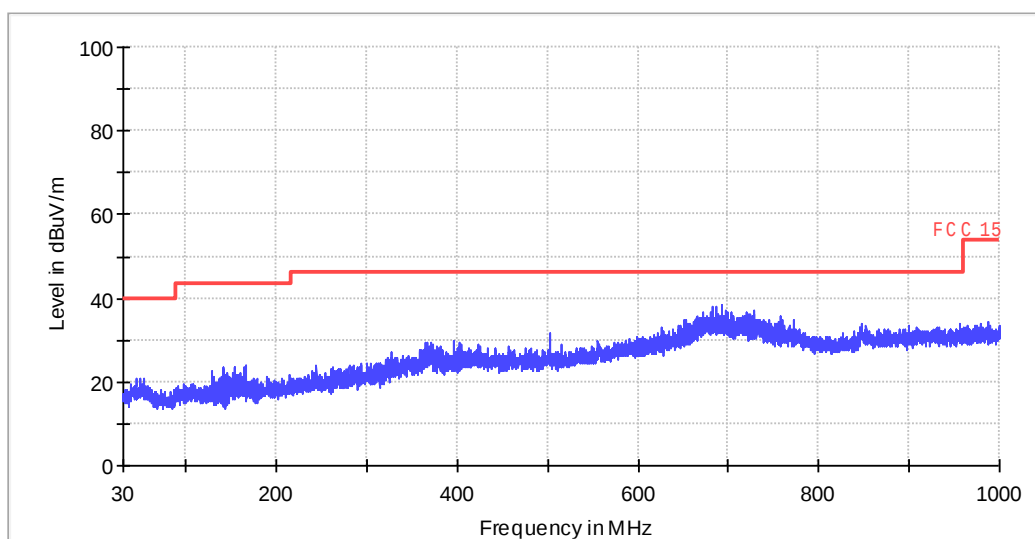
Model No. BSC-007

30 MHz~1 GHz Spurious Emissions. Quasi-Peak Measurement

Pre-scan all modes, worst case as below

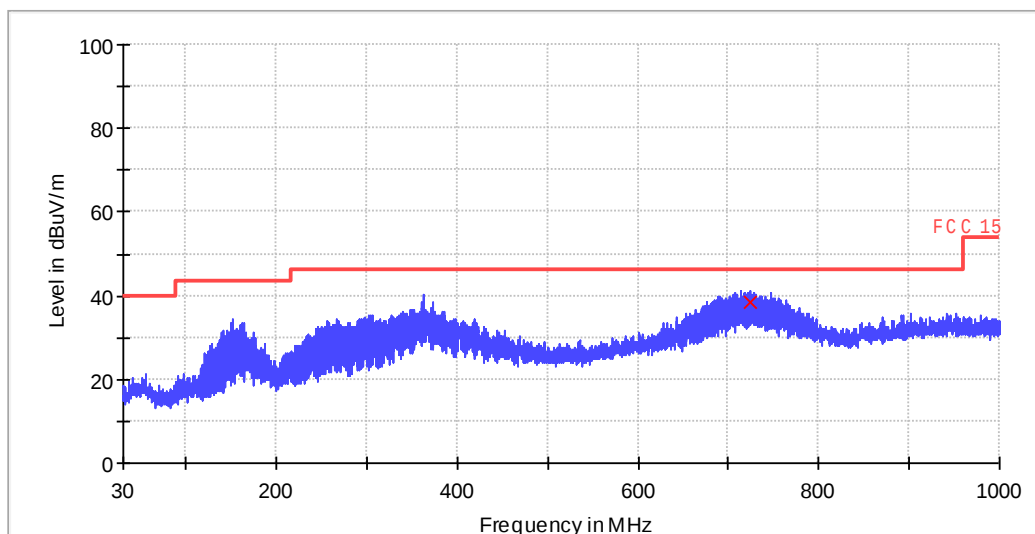
802.11b mode with 1Mbps data rate Test at Channel 11 (2.462 GHz) in transmitting status

Vertical:



All emission levels are more than 6dB below the limit.

Horizontal:



TEST REPORT

QP

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
724.440000	38.3	1000.0	120.000	100.0	H	359.0	23.2	7.7	46.0
724.440000	38.3	1000.0	120.000	100.0	H	359.0	23.2	7.7	46.0

Remark:

1. Corr. (dB) = Antenna Factor (dB) + Cable Loss (dB)
2. Quasi Peak (dBμV/m) = Corr. (dB) + Read Level (dBμV)
3. Margin (dB) = Limit QPK (dBμV/m) – Quasi Peak (dBμV/m)

1~25 GHz Radiated Emissions.

802.11b mode with 1Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4822.8	55.6	-1.1	54.5	74	H
7236.8	51.2	2.3	53.5	74	H
9648.7	49.7	5.3	55.0	74	H
4822.8	55.6	-1.1	54.5	74	V
7236.8	55.4	2.3	57.7	74	V
9648.7	49.8	5.3	55.1	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4822.8	38.9	-1.1	37.8	54	H
7236.8	46.4	2.3	48.7	54	H
9648.7	38.7	5.3	44.0	54	H
4822.8	40.3	-1.1	39.2	54	V
7236.8	49.4	2.3	51.7	54	V
9648.7	40.1	5.3	45.4	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	53.1	-1.0	52.1	74	H
7311.2	47.6	2.4	50.0	74	H
9748.6	44.5	5.7	50.2	74	H
4873.8	54.5	-1.0	53.5	74	V

TEST REPORT

7311.2	50.8	2.4	53.2	74	V
9748.6	45.1	5.7	50.8	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4873.8	50.9	-1.0	49.9	54	H
7311.2	/	2.4	/	54	H
9748.6	/	5.7	/	54	H
4873.8	53.4	-1.0	52.5	54	V
7311.2	42.5	2.4	44.9	54	V
9748.6	33.8	5.7	39.5	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	54.7	-0.9	53.8	74	H
7385.6	49.7	2.5	52.2	74	H
9848.5	44.0	6.0	50.0	74	H
4822.7	55.3	-1.1	54.2	74	V
7385.6	52.5	2.5	55.0	74	V
9848.5	47.8	6.0	53.8	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	53.9	-0.9	53.0	54	H
7385.6	42.4	2.5	44.9	54	H
9848.5	/	6.0	/	54	H
4822.7	52.8	-1.1	51.7	54	V
7385.6	44.4	2.5	46.9	54	V
9848.5	41.2	6.0	47.2	54	V

TEST REPORT

802.11g mode with 6Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	54.8	-1.1	53.7	74	H
7234.7	55.1	2.3	57.4	74	H
9653.0	45.9	5.3	51.2	74	H
4825.0	56.3	-1.1	55.2	74	V
7234.7	58.0	2.3	60.3	74	V
9646.6	48.3	5.3	53.6	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	41.6	-1.1	40.5	54	H
7234.7	41.7	2.3	44.0	54	H
9653.0	/	5.3	/	54	H
4825.0	43.1	-1.1	42.0	54	V
7234.7	42.9	2.3	45.2	54	V
9646.6	34.2	5.3	39.5	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4876.0	56.4	-1.0	55.4	74	H
7311.2	58.6	2.4	61.0	74	H
9746.5	46.2	5.6	51.8	74	H
4873.8	57.7	-1.0	56.7	74	V
7311.2	56.4	2.4	58.8	74	V
9742.2	48.4	5.6	54.0	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4876.0	46.6	-1.0	45.6	54	H
7311.2	43.9	2.4	46.3	54	H
9746.5	33.7	5.6	39.3	54	H
4873.8	47.2	-1.0	46.2	54	V
7311.2	44.9	2.4	47.3	54	V
9742.2	34.7	5.6	40.3	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4920.6	55.0	-0.9	54.1	74	H
7383.5	60.0	2.5	62.5	74	H
9842.1	44.4	6.0	50.4	74	H
4920.6	56.6	-0.9	55.7	74	V
7385.6	55.5	2.5	58.0	74	V
9844.2	48.4	6.0	54.4	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4920.6	46.0	-0.9	45.1	54	H
7383.5	44.2	2.5	46.7	54	H
9842.1	/	6.0	/	54	H
4920.6	45.0	-0.9	44.1	54	V
7385.6	44.2	2.5	46.7	54	V
9844.2	35.3	6.0	41.3	54	V

802.11n20 mode with 6.5Mbps data rate as below

Test at Channel 1 (2.412 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	49.5	-1.1	48.4	74	H
7239.0	50.6	2.3	52.9	74	H
4827.1	52.9	-1.1	51.8	74	V
7228.3	48.8	2.3	51.1	74	V
9650.8	44.8	5.3	50.1	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4827.1	/	-1.1	/	54	H
7239.0	36.2	2.3	38.5	54	H
4827.1	39.9	-1.1	38.8	54	V
7228.3	/	2.3	/	54	V
9650.8	/	5.3	/	54	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4878.1	51.7	-1.0	50.7	74	H
7317.6	51.0	2.4	53.4	74	H
9755.0	45.3	5.7	51.0	74	H
4876.0	54.9	-1.0	53.9	74	V
7309.1	53.9	2.4	56.3	74	V
9742.2	45.8	5.6	51.4	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4878.1	/	-1.0	/	54	H
7317.6	36.9	2.4	39.3	54	H
9755.0	/	5.7	/	54	H
4876.0	42.7	-1.0	41.7	54	V
7309.1	41.0	2.4	43.4	54	V
9742.2	/	5.6	/	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	55.1	-0.9	54.2	74	H
7392.0	59.9	2.5	62.4	74	H
9857.0	43.1	6.1	49.2	74	H
4922.7	55.6	-0.9	54.7	74	V
7381.3	54.1	2.5	56.6	74	V
9846.3	47.8	6.0	53.8	74	V

TEST REPORT

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
4922.7	44.8	-0.9	43.9	54	H
7392.0	44.2	2.5	46.7	54	H
9857.0	/	6.1	/	54	H
4922.7	44.1	-0.9	43.2	54	V
7381.3	42.8	2.5	45.3	54	V
9846.3	33.6	6.0	39.6	54	V

802.11n40 mode with 13.5Mbps data rate as below

Test at Channel 3 (2.422 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
7275.1	43.2	2.4	45.6	74	H
7270.8	43.2	2.4	45.6	74	V

Test at Channel 6 (2.437 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
7311.2	42.9	2.4	45.3	74	H
7300.6	44.0	2.4	46.4	74	V

Test at Channel 9 (2.452 GHz) in transmitting status

PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
9845.1	39.4	6.0	45.4	74	H
7358.0	43.9	2.5	46.4	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

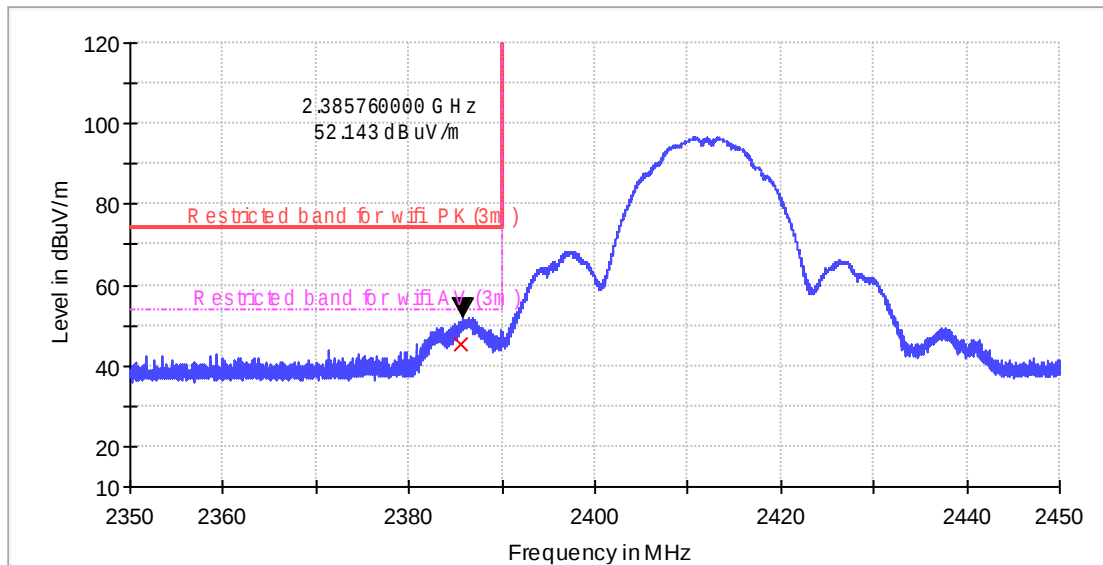
TEST REPORT

Band Edges Emission

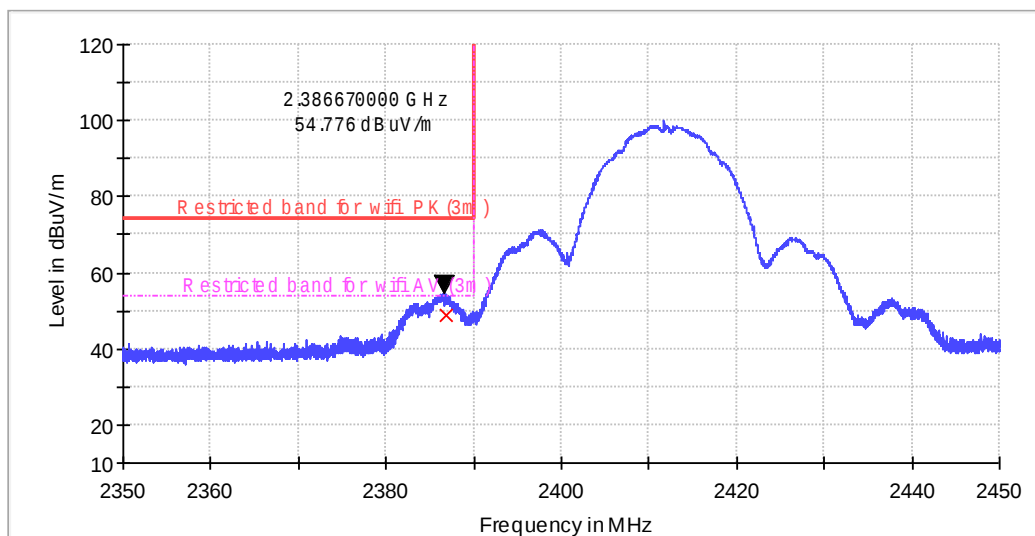
802.11b mode with 1Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2385.7	60.3	-8.2	52.1	74	H
2386.8	63.0	-8.2	54.8	74	V

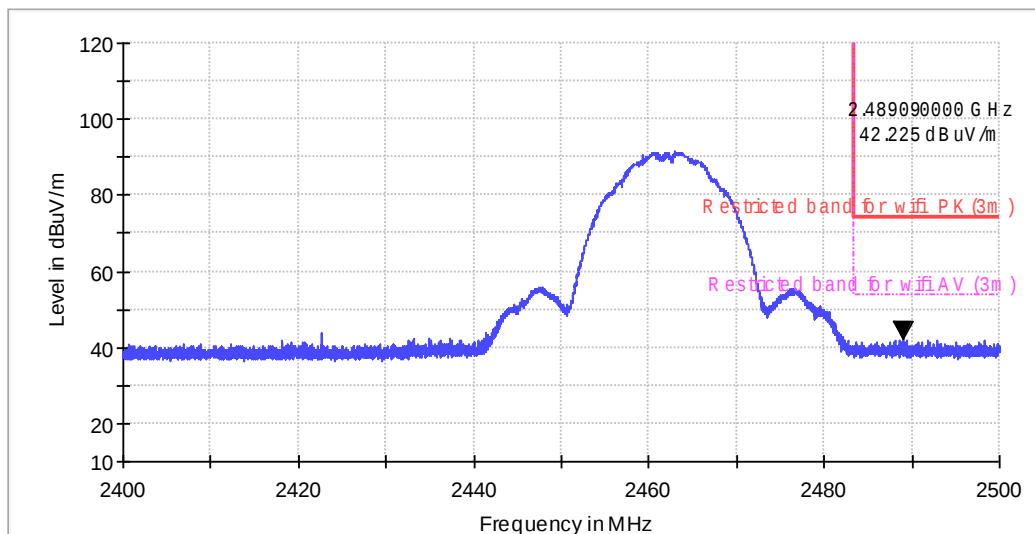
TEST REPORT

AV Measurement:

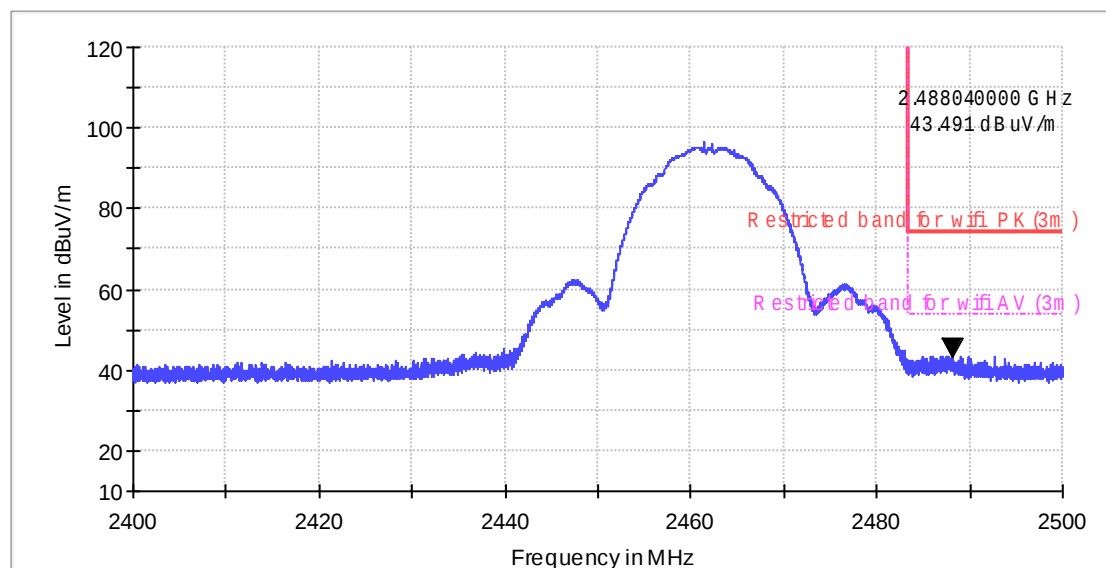
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2385.7	53.6	-8.2	45.4	54	H
2386.8	57.2	-8.2	49.0	54	V

Test at Channel 11 (2.462 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

PK Measurement:

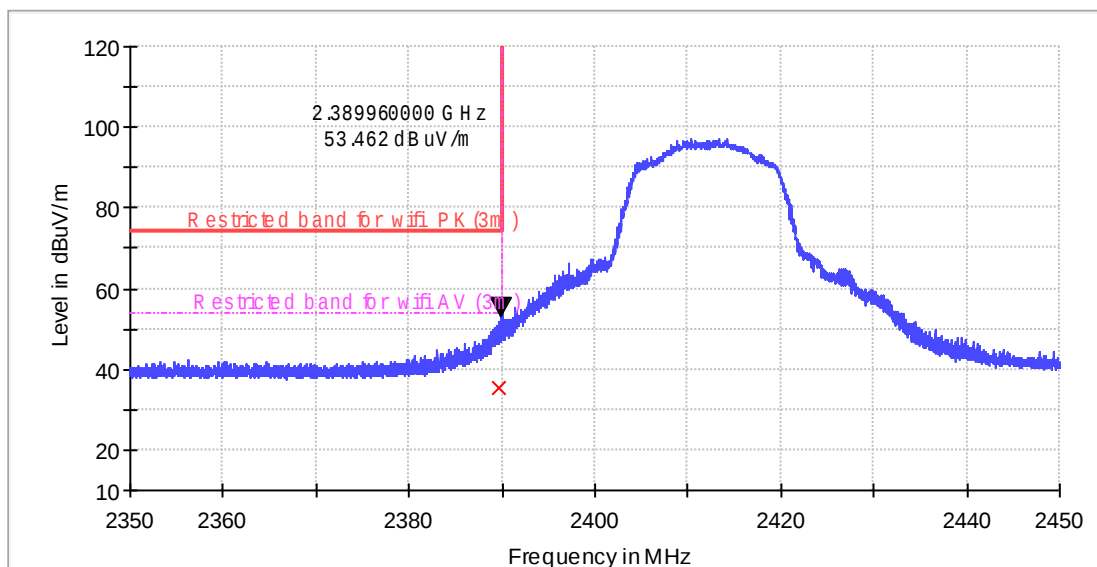
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2489.0	50.0	-7.8	42.2	74	H
2488.0	51.3	-7.8	43.5	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

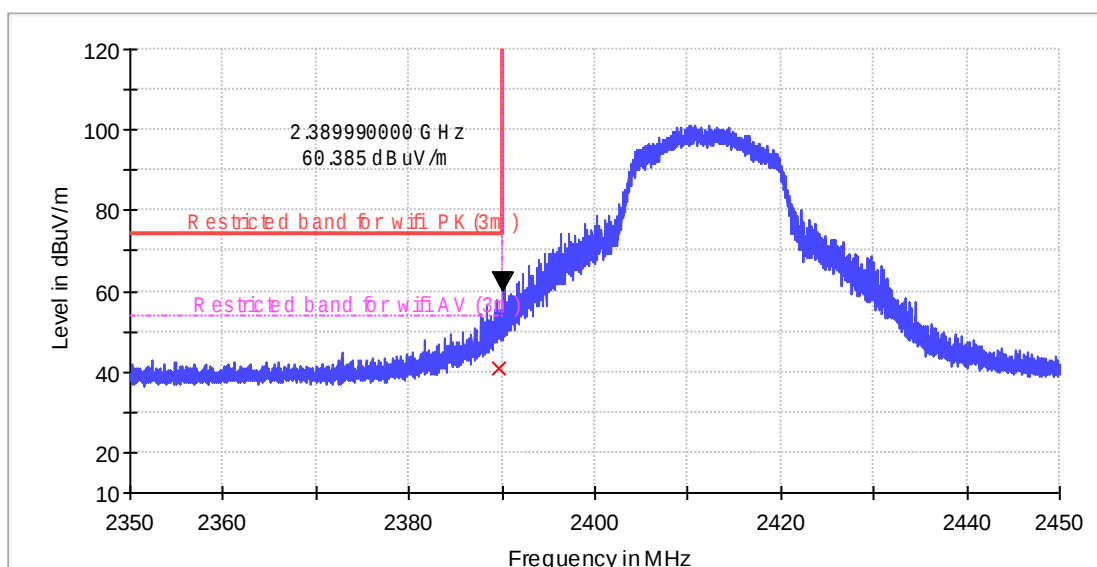
802.11g mode with 6Mbps data rate

Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

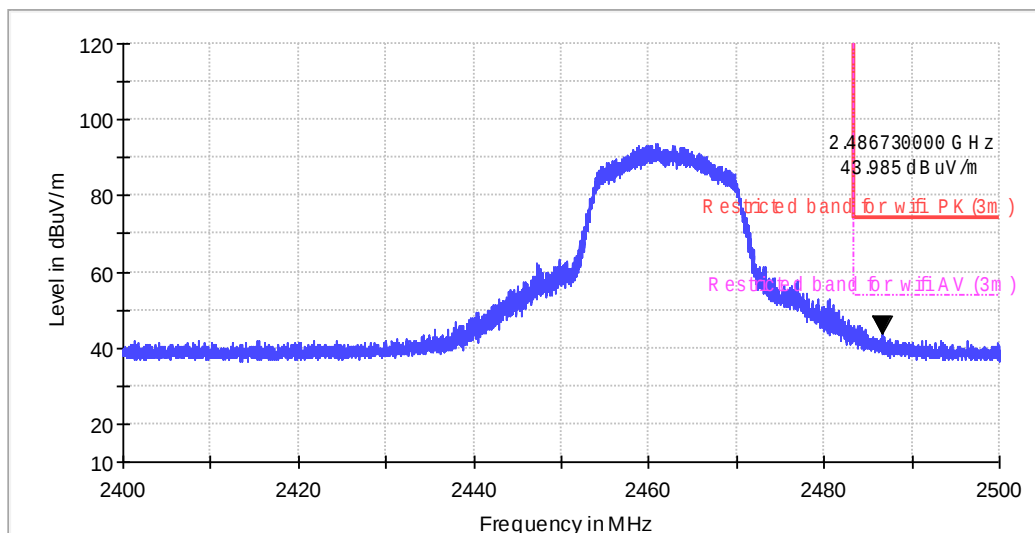
PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.6	61.7	-8.2	53.5	74	H
2389.9	68.6	-8.2	60.4	74	V

AV Measurement:

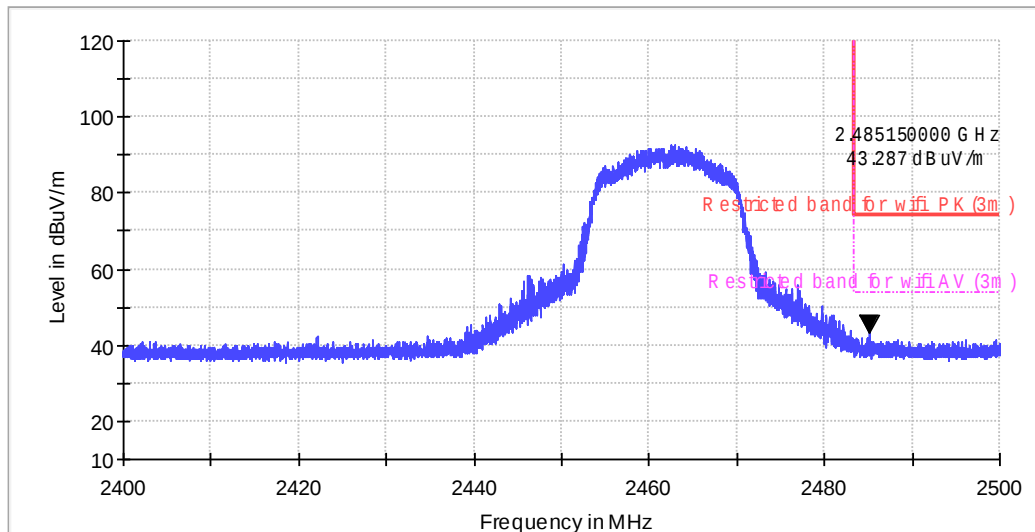
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.6	43.4	-8.2	35.2	54	H
2389.9	48.8	-8.2	40.6	54	V

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



TEST REPORT

Vertical



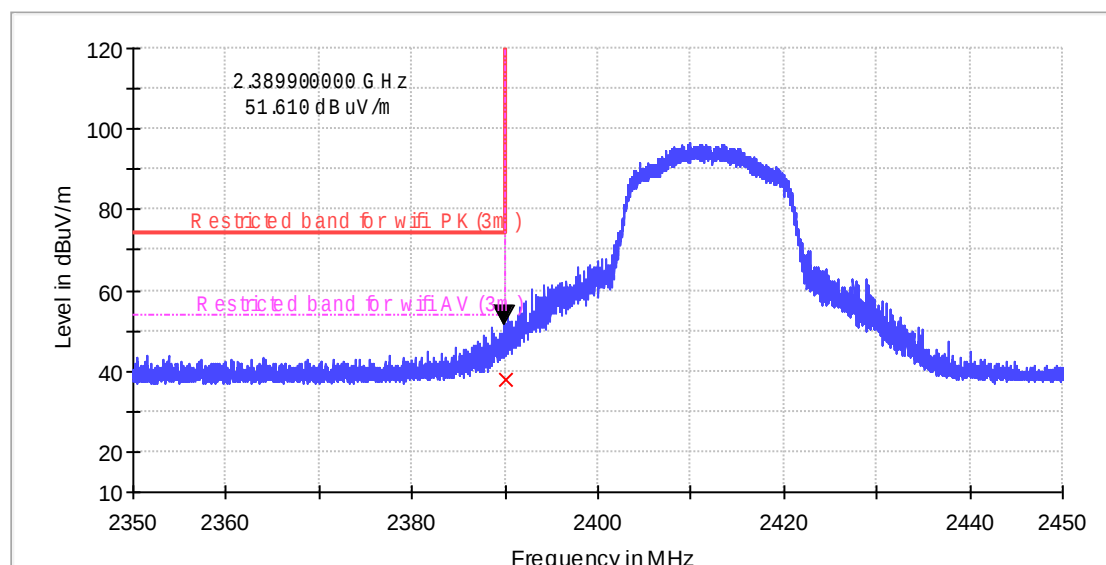
PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2486.7	51.8	-7.8	44.0	74	H
2485.1	51.1	-7.8	43.3	74	V

Remark: When Peak emission level was below AV limit, the AV emission level did not be recorded.

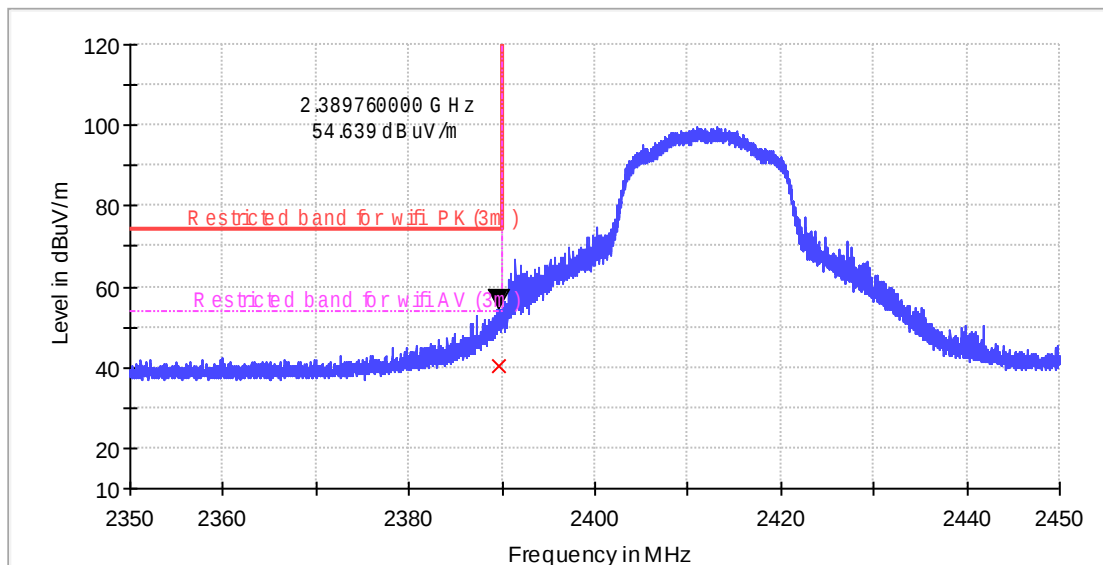
802.11n (HT20) mode with 6.5Mbps data rate
Test at Channel 1 (2.412 GHz) in transmitting status

Horizontal



TEST REPORT

Vertical



PK Measurement:

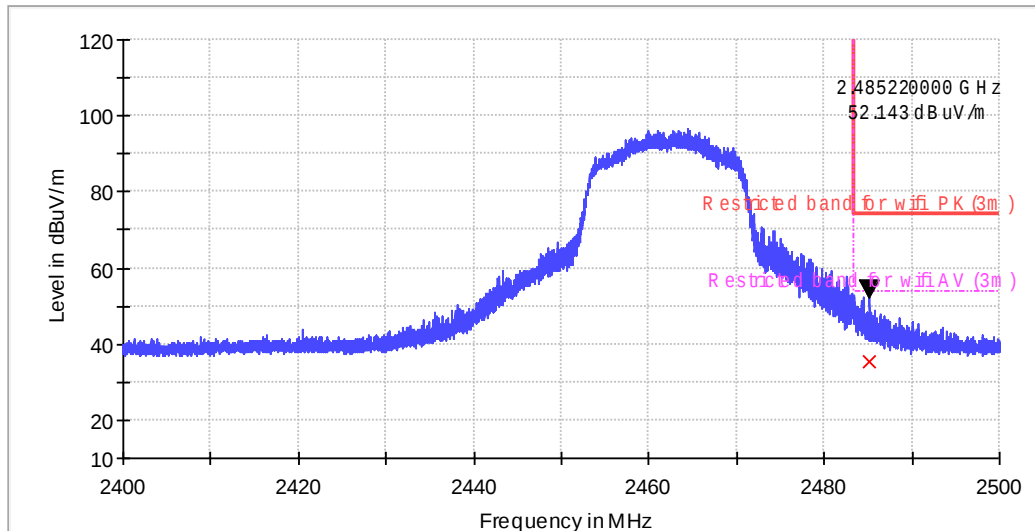
Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.9	59.8	-8.2	51.6	74	H
2389.7	62.8	-8.2	54.6	74	V

AV Measurement:

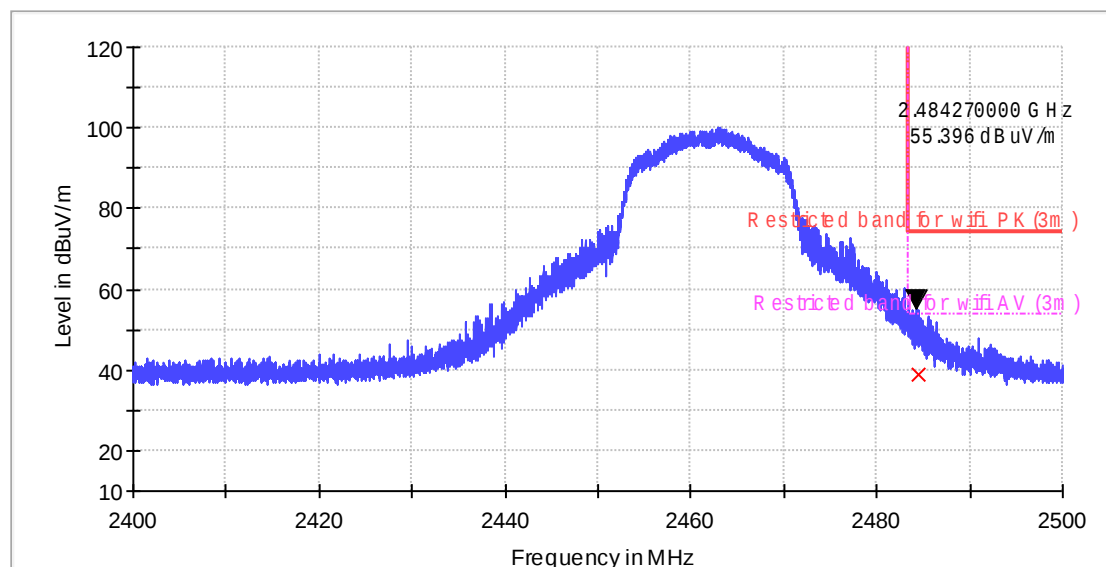
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2389.9	46.1	-8.2	37.9	54	H
2389.7	48.4	-8.2	40.2	54	V

TEST REPORT

Test at Channel 11 (2.462 GHz) in transmitting status
Horizontal



Vertical



PK Measurement:

Frequency (MHz)	PK Reading Level (dBuV)	Correction factors (dB)	PK Emission Level (dBuV/m)	PK Limit (dBuV/m)	Antenna polarization
2485.2	59.9	-7.8	52.1	74	H
2484.2	63.2	-7.8	55.4	74	V

TEST REPORT

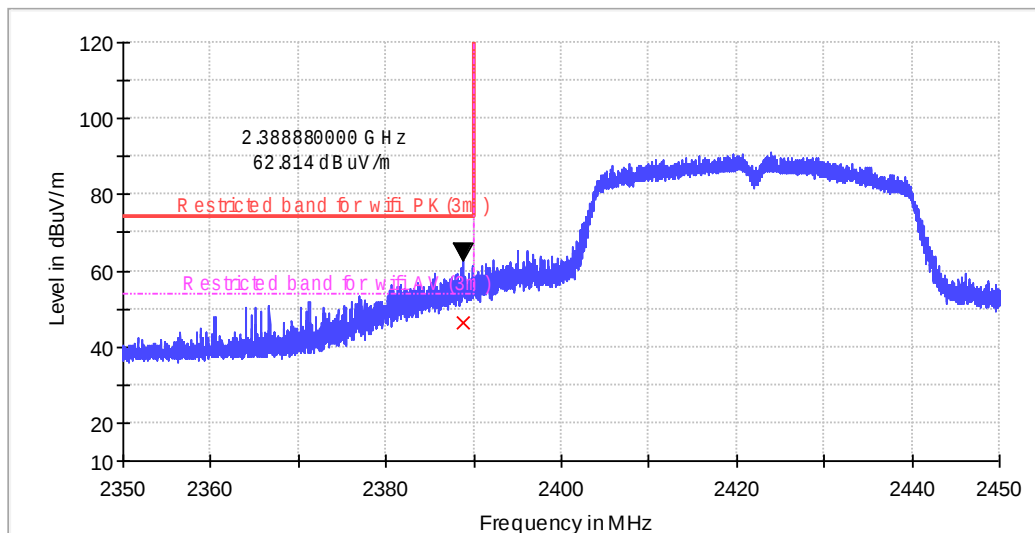
AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2485.2	43.1	-7.8	35.3	54	H
2484.2	46.8	-7.8	39.0	54	V

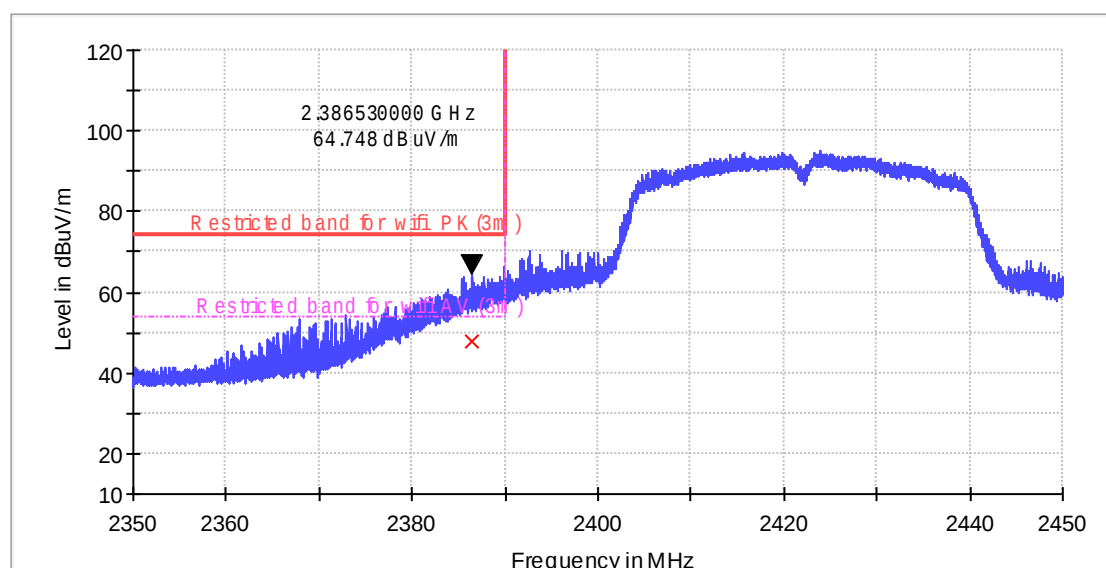
802.11n (HT40) mode with 13.5 Mbps data rate

Test at Channel 3 (2.422 GHz) in transmitting status

Horizontal



Vertical



TEST REPORT

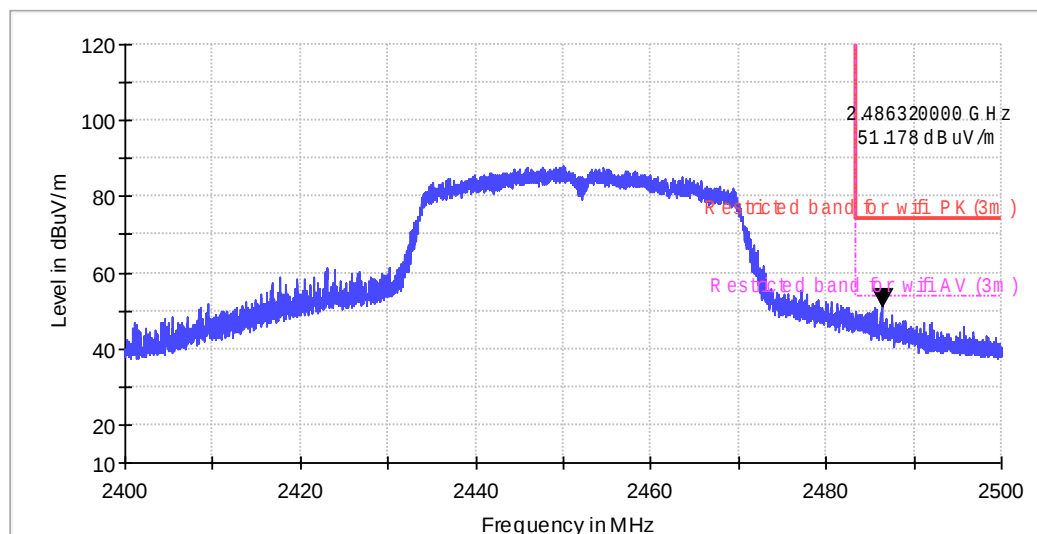
PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	71.0	-8.2	62.8	74	H
2386.5	72.9	-8.2	64.7	74	V

AV Measurement:

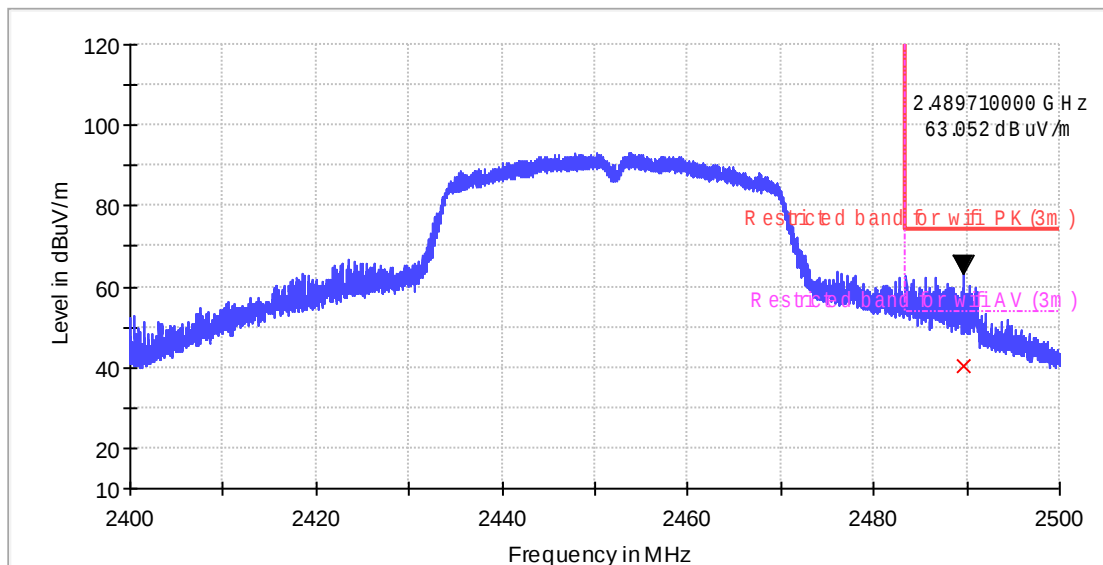
Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2388.8	54.7	-8.2	46.5	54	H
2386.5	56.2	-8.2	48.0	54	V

Test at Channel 11 (2.452 GHz) in transmitting status
Horizontal



TEST REPORT

Vertical



PK Measurement:

Frequency	PK Reading Level	Correction factors	PK Emission Level	PK Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
2486.3	59.0	-7.8	51.2	74	H
2489.7	70.8	-7.8	63.0	74	V

AV Measurement:

Frequency	Reading Level	Correction factors	AV Emission Level	AV Limit	Antenna polarization
(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	
59.0	/	-7.8	/	54	H
70.8	48.0	-7.8	40.2	54	V

Remark:

When Peak emission level was below AV limit, the AV emission level did not be recorded.

For all emission(above 1G)

Final Test Level =Receiver Reading + Correction Factor

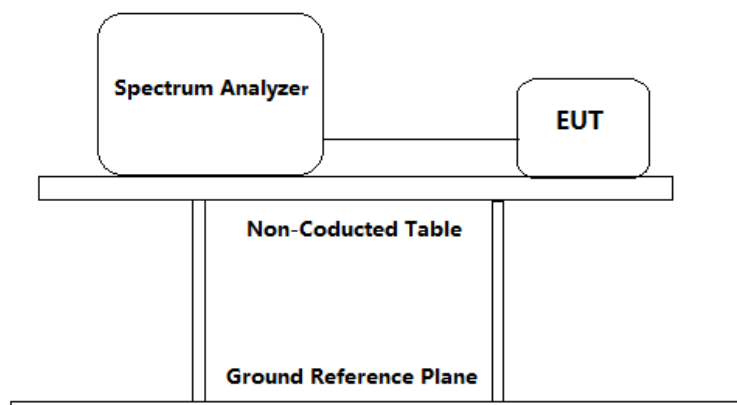
Correction Factor = Antenna Factor + Cable Loss –Preamplifier Factor.

When Peak emission level was below AV limit, the AV emission level did not be recorded.

TEST REPORT

4.9 Band Edges Requirement

Test Requirement:	FCC Part 15 C section 15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. The radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30dB instead of 20dB.
Frequency Band:	2400 MHz to 2483.5 MHz
Test Method:	ANSI C63.10: Clause 11.11 and 11.13
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test Configuration:	For Band Edges Emission in Radiated mode, Please refer to clause 4.7



- Test Procedure: For Band Edges Emission in Radiated mode, Please refer to clause 4.7
- Remove the antenna from the EUT and then connect a low RF cable(cable loss =1 dB, with 10dB attenuator) from the antenna port to the spectrum analyzer.
 - Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band edge).
 - Set the center frequency and span to encompass frequency range to be measured.

TEST REPORT

- c) RBW = 100 kHz.
 - d) VBW $\geq [3 \times \text{RBW}]$.
 - e) Detector = peak.
 - f) Sweep time = auto.
 - g) Trace mode = max hold.
 - h) Allow sweep to continue until the trace stabilizes (required measurement time may increase for low-duty-cycle applications).
 - i) For radiated Band-edge emissions within a restricted band and within 2 MHz of an authorized band edge, integration method is considered.
- 2. Repeat until all the test status is investigated.
 - 3. Report the worst case.

Used Test Equipment List:

3m Semi-Anechoic Chamber, EMI Test Receiver (9 kHz~7 GHz), Signal and Spectrum Analyzer (10 Hz~40 GHz), Loop antenna (9 kHz-30 MHz). TRILOG Super Broadband test Antenna(30 MHz-3 GHz) (RX), Double-Ridged Waveguide Horn Antenna (800 MHz-18 GHz)(RX) and High Frequency Antenna & preamplifier(18 GHz~26.5 GHz) (RX). Refer to Clause 5 Test Equipment List for details.

Test result with plots as follows:

For conduct mode:

The band edges was measured and recorded Result:

The Lower Edges attenuated more than 30dB.

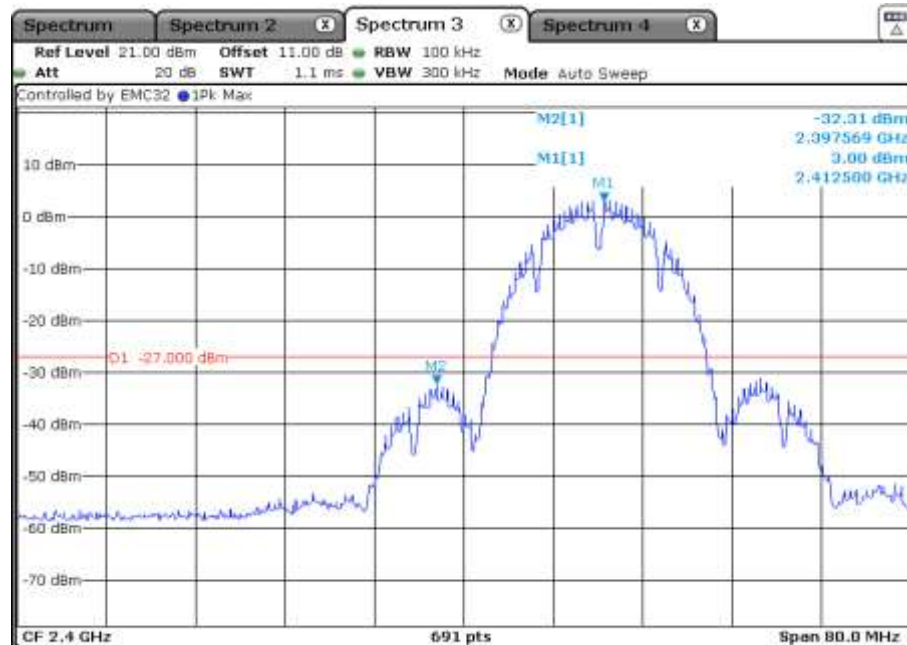
The Upper Edges attenuated more than 30dB.

TEST REPORT

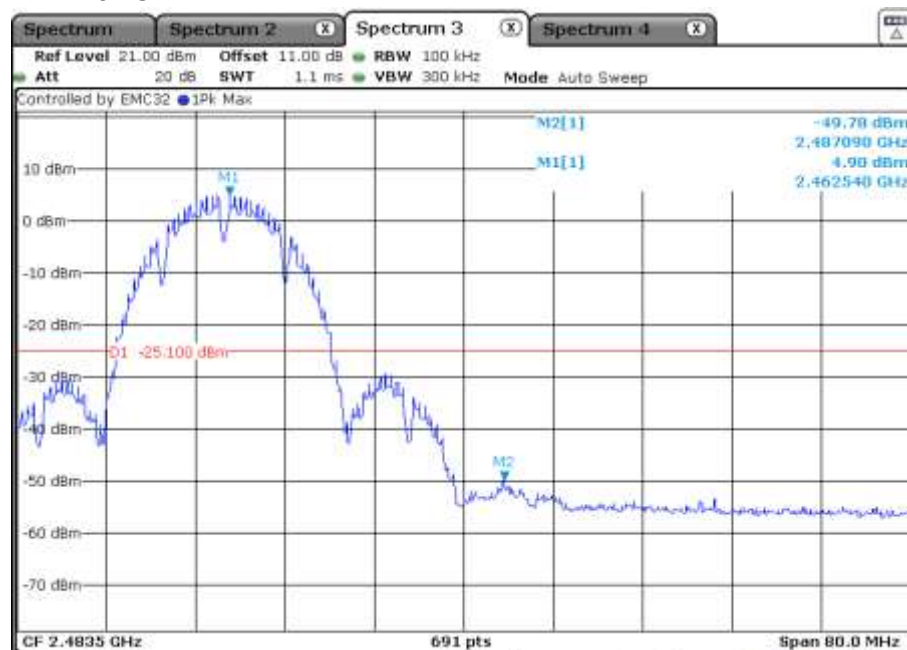
Result plots as follows:

802.11b mode with 1Mbps data rate

Channel1: 2.412 GHz



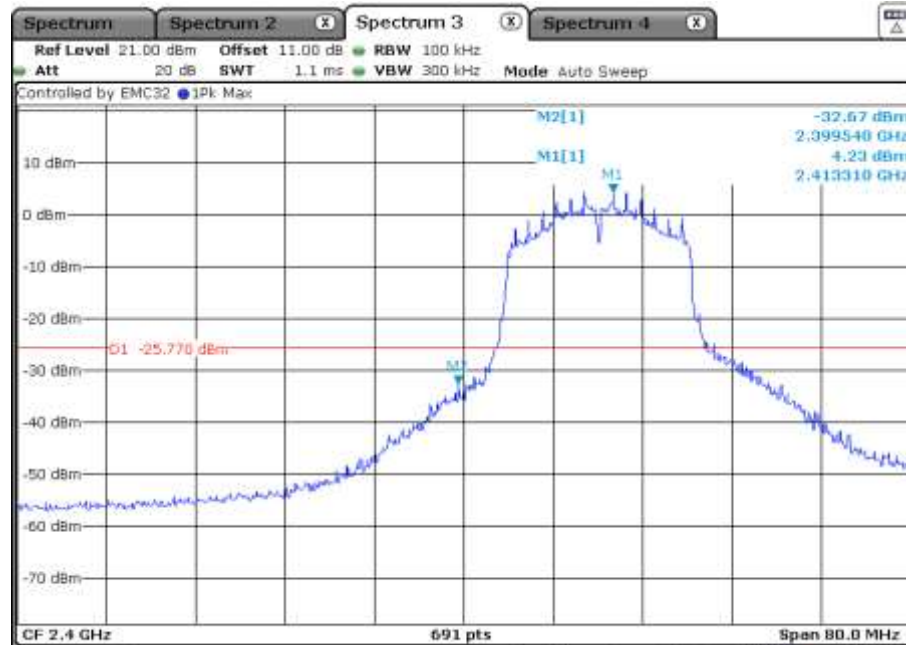
Channel 11: 2.462 GHz



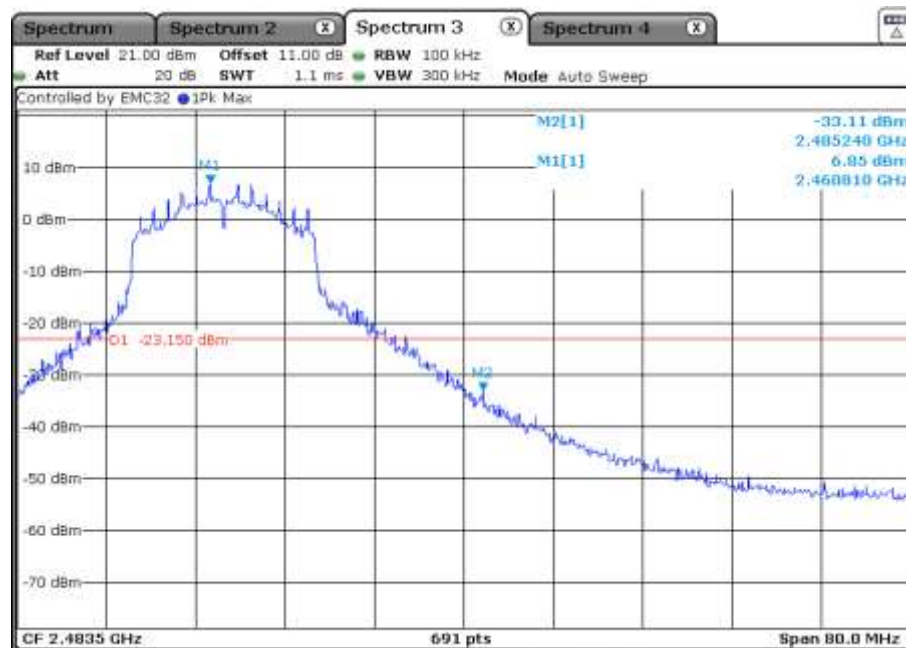
TEST REPORT

802.11g mode with 6 Mbps data rate

Channel1: 2.412 GHz



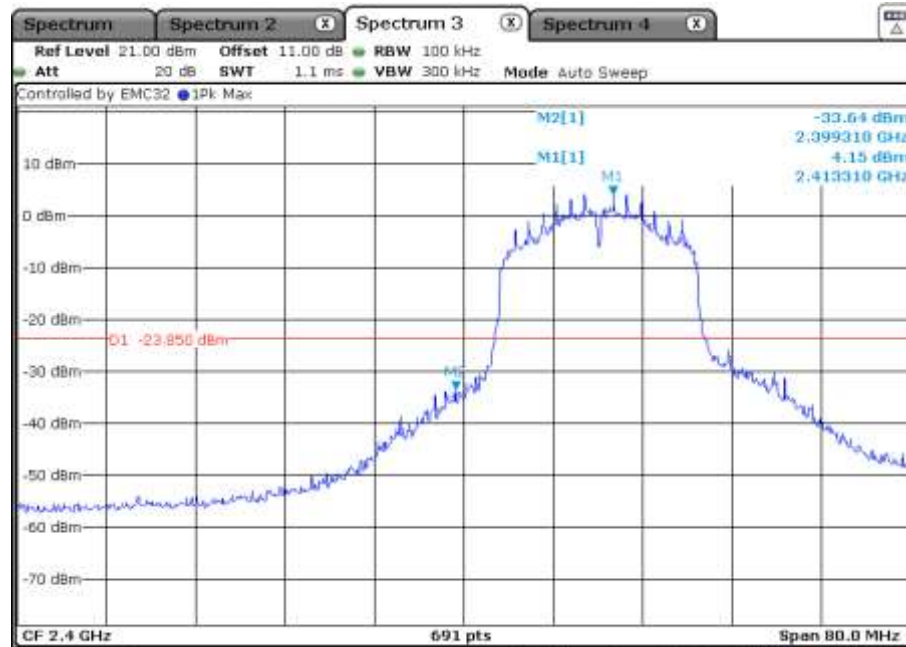
Channel 11: 2.462 GHz



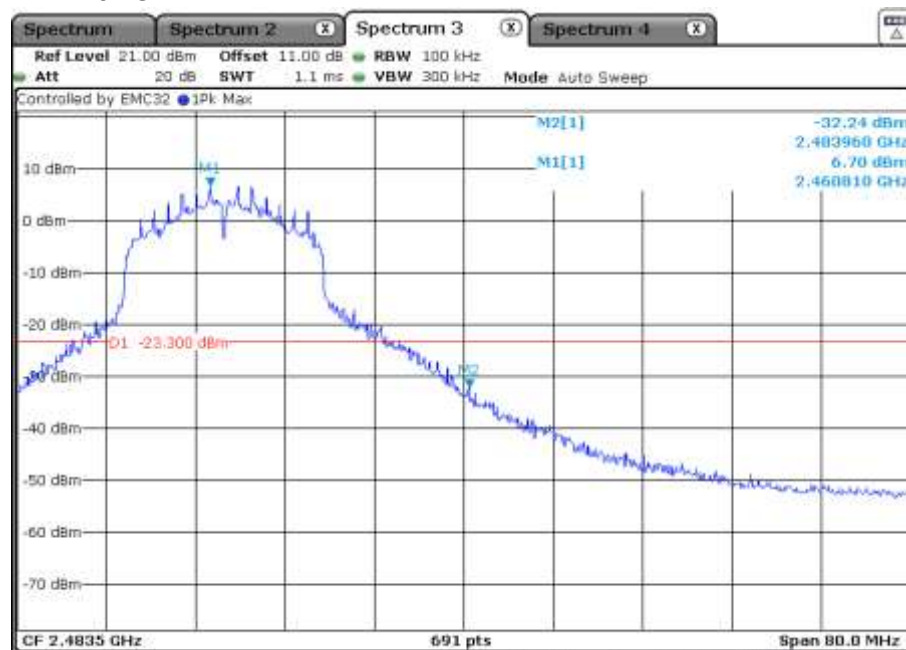
TEST REPORT

802.11n(HT20) mode with 6.5Mbps data rate

Channel 1: 2.412 GHz



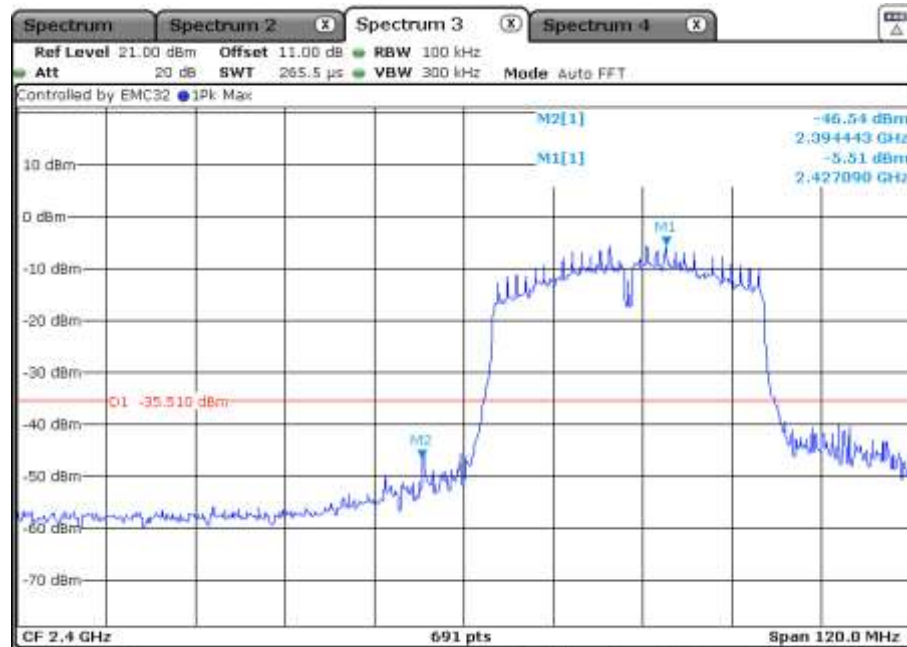
Channel 11: 2.462 GHz



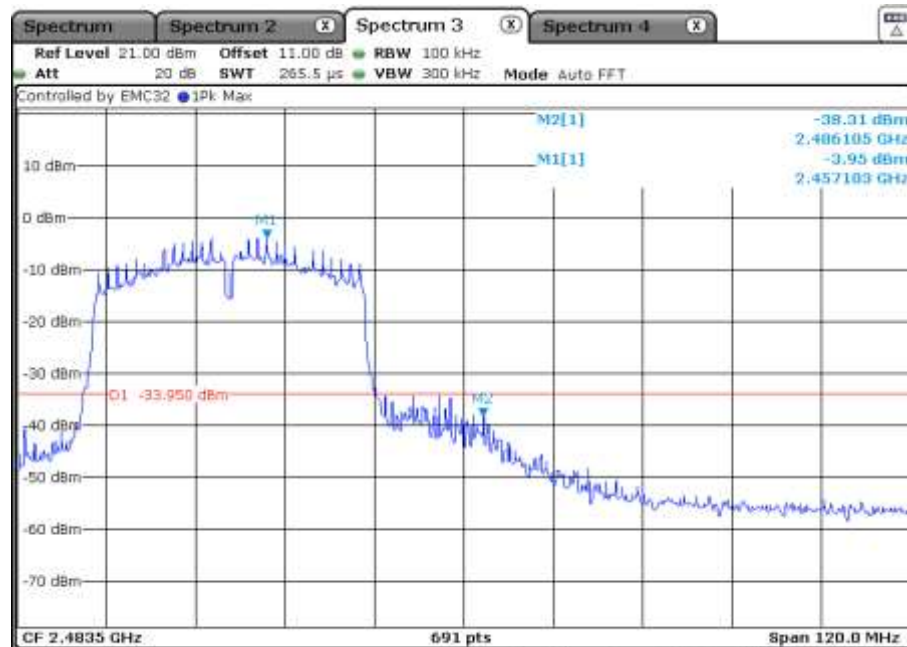
TEST REPORT

802.11n(HT40) mode with 13.5 Mbps data rate

Channel 3: 2.422 GHz



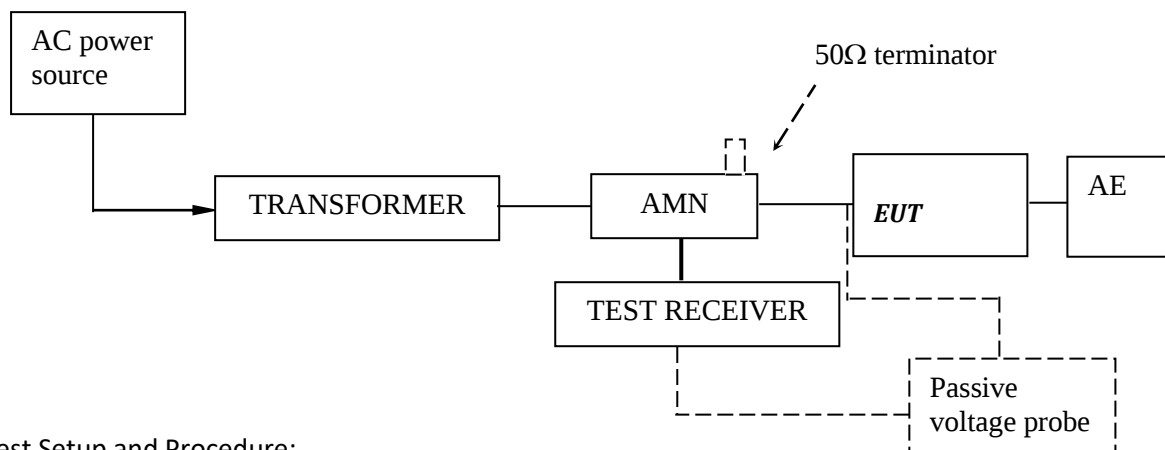
Channel 9: 2.452 GHz



TEST REPORT

4.10 Conducted Emission Test

Test Configuration:



Test Setup and Procedure:

Test was performed according to ANSI C63.10 Clause 6.2. The EUT was set to achieve the maximum emission level. The mains terminal disturbance voltage was measured with the EUT in a shielded room. The EUT was connected to AC power source through an Artificial Mains Network which provides a 50Ω linear impedance. Artificial hand is used if appropriate (for handheld apparatus). The load/control terminal disturbance voltage was measured with passive voltage probe if appropriate.

The table-top EUT was placed on a 0.8m high non-metallic table above earthed ground plane (Ground Reference Plane). And for floor standing EUT, was placed on a 0.1m high non-metallic supported on GRP. The EUT keeps a distance of at least 0.8m from any other of the metallic surface. The Artificial Mains Network is situated at a distance of 0.8m from the EUT.

During the test, mains lead of EUT excess 0.8m was folded back and forth parallel to the lead so as to form a horizontal bundle with a length between 0.3m and 0.4m.

The bandwidth of test receiver was set at 9 kHz. The frequency range from 150 kHz to 30MHz was checked.

TEST REPORT

Test Data and Curve

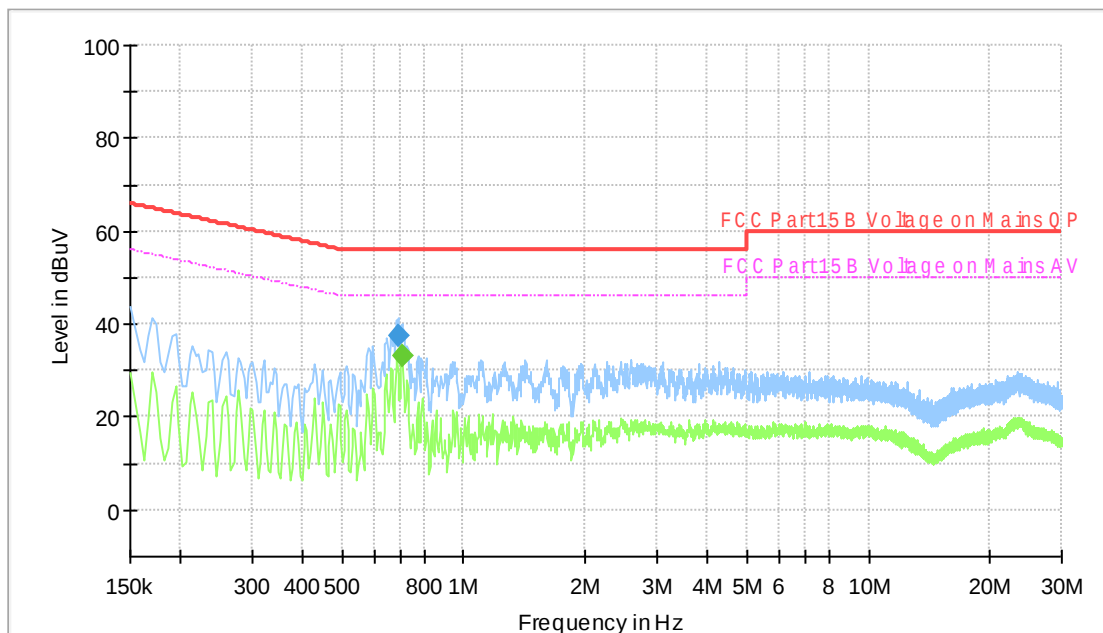
At main terminal: Pass

Model No: BAA-018

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.690000	37.31	---	56.00	18.69	1000.0	9.000	L1	ON	9.8
0.706000	---	32.92	46.00	13.08	1000.0	9.000	L1	ON	9.8

Remark:

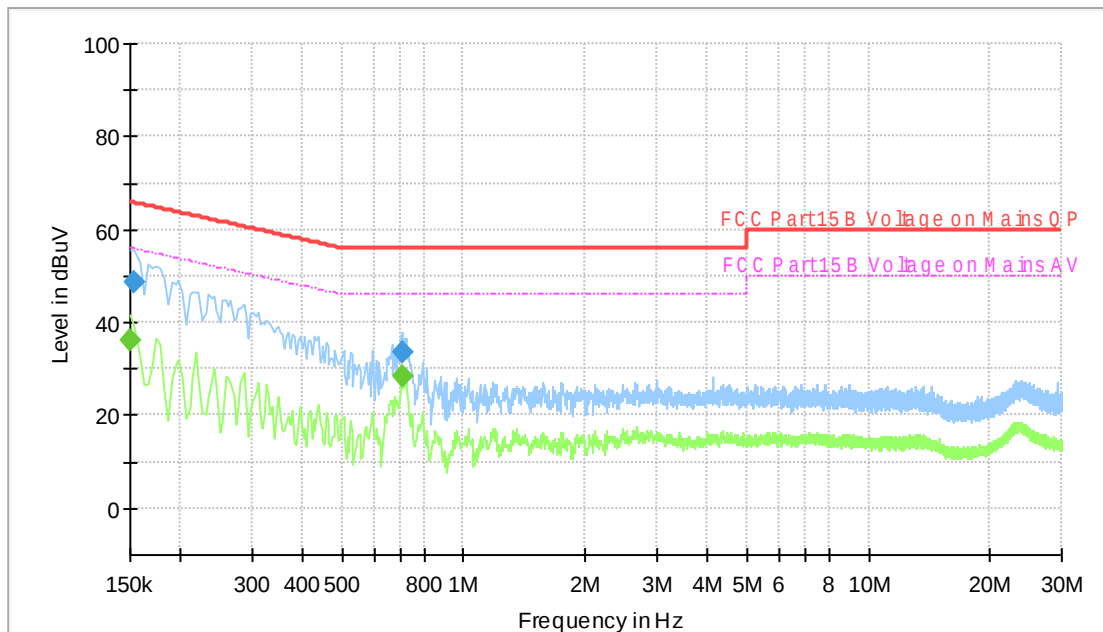
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	---	36.03	56.00	19.97	1000.0	9.000	N	ON	9.8
0.154000	48.69	---	65.78	17.09	1000.0	9.000	N	ON	9.8
0.706000	---	28.39	46.00	17.61	1000.0	9.000	N	ON	9.8
0.706000	33.51	---	56.00	22.49	1000.0	9.000	N	ON	9.8

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

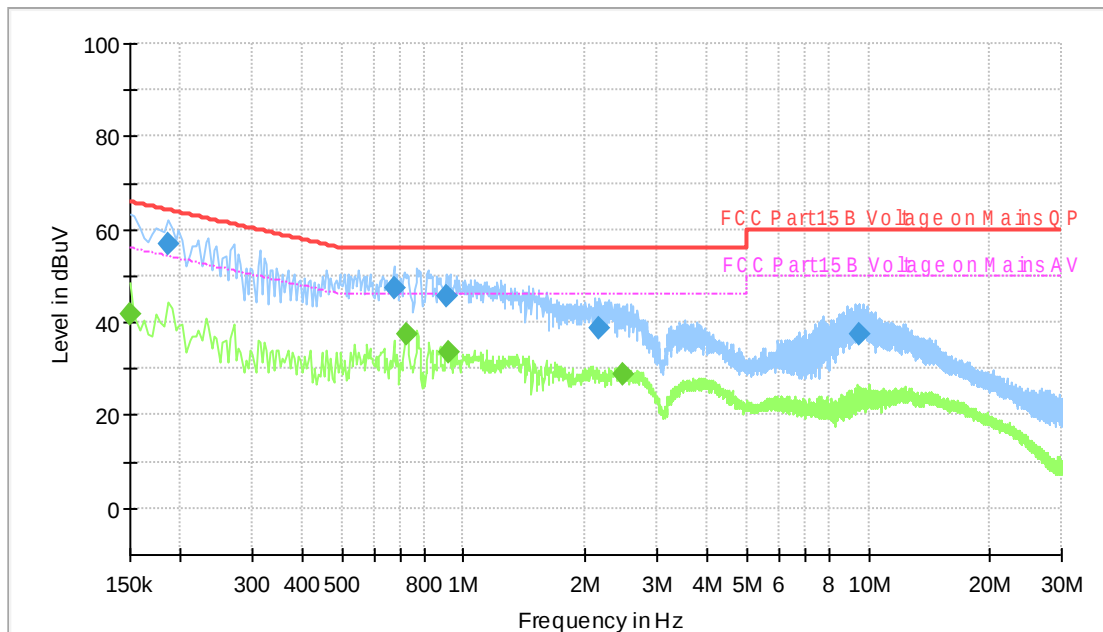
TEST REPORT

Model No: BAA-030

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	---	41.79	56.00	14.21	1000.0	9.000	L1	ON	9.8
0.186000	57.07	---	64.21	7.15	1000.0	9.000	L1	ON	9.8
0.674000	47.50	---	56.00	8.50	1000.0	9.000	L1	ON	9.8
0.726000	---	37.25	46.00	8.75	1000.0	9.000	L1	ON	9.8
0.906000	45.49	---	56.00	10.51	1000.0	9.000	L1	ON	9.8
0.914000	---	33.64	46.00	12.36	1000.0	9.000	L1	ON	9.8
2.170000	38.58	---	56.00	17.42	1000.0	9.000	L1	ON	9.8
2.470000	---	28.79	46.00	17.21	1000.0	9.000	L1	ON	9.8
9.462000	37.24	---	60.00	22.76	1000.0	9.000	L1	ON	10.1

Remark:

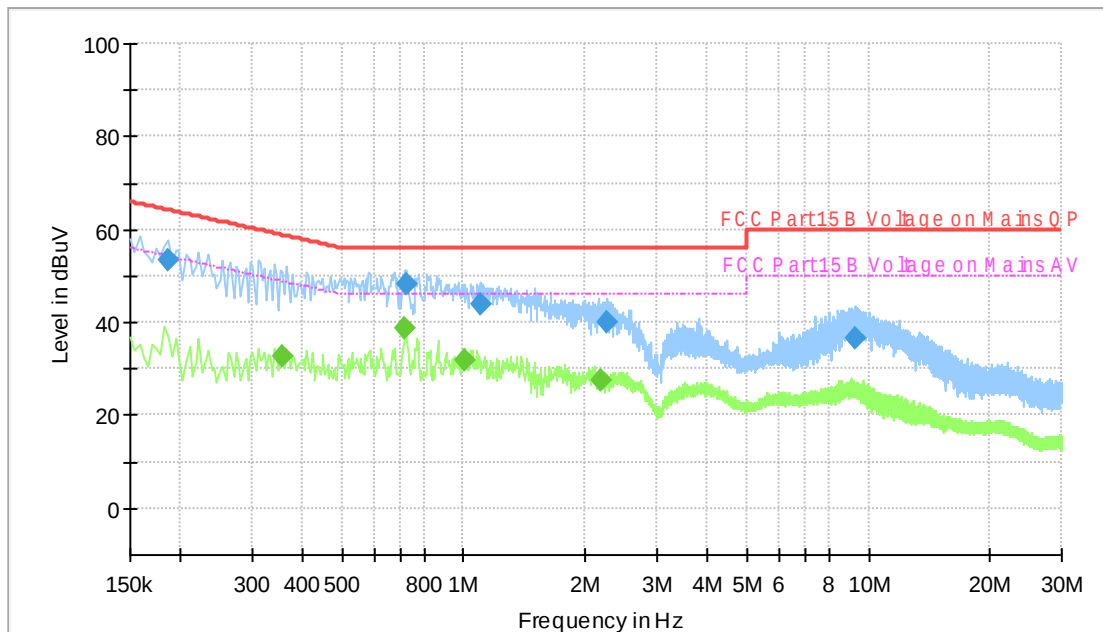
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.186000	53.39	---	64.21	10.82	1000.0	9.000	N	ON	9.8
0.358000	---	32.74	48.78	16.04	1000.0	9.000	N	ON	9.8
0.718000	---	38.57	46.00	7.43	1000.0	9.000	N	ON	9.8
0.722000	48.42	---	56.00	7.58	1000.0	9.000	N	ON	9.8
1.002000	---	31.94	46.00	14.06	1000.0	9.000	N	ON	9.8
1.098000	43.98	---	56.00	12.02	1000.0	9.000	N	ON	9.8
2.182000	---	27.66	46.00	18.34	1000.0	9.000	N	ON	9.8
2.270000	39.92	---	56.00	16.08	1000.0	9.000	N	ON	9.8
9.294000	36.77	---	60.00	23.23	1000.0	9.000	N	ON	10.1

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

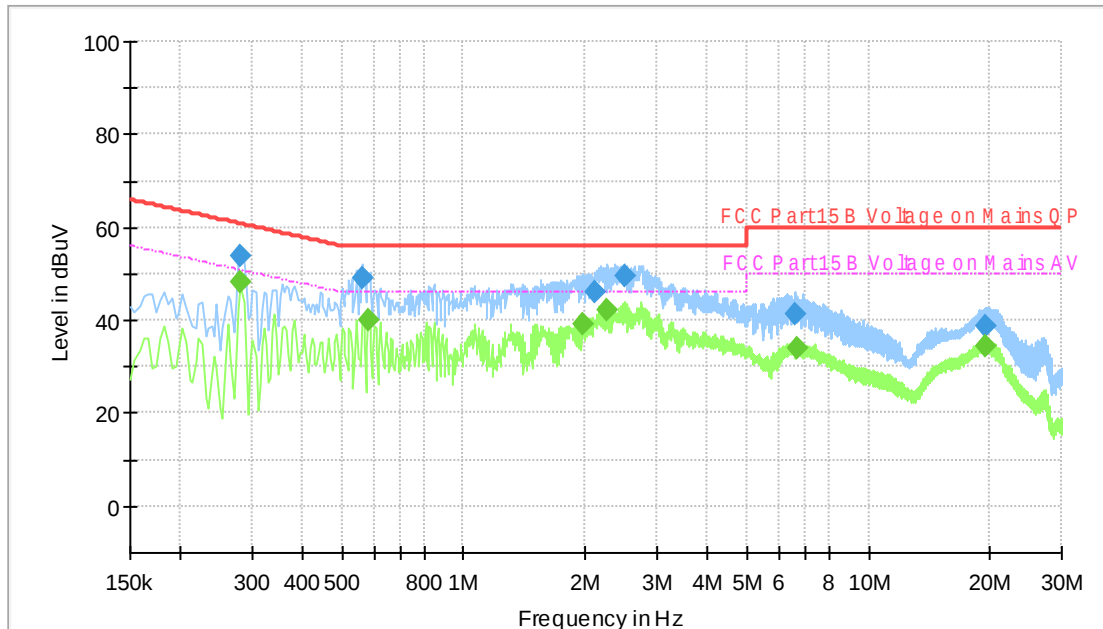
TEST REPORT

Model No: BAA-032

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.282000	---	48.24	50.76	2.52	1000.0	9.000	L1	ON	9.8
0.282000	53.77	---	60.76	6.99	1000.0	9.000	L1	ON	9.8
0.562000	48.95	---	56.00	7.05	1000.0	9.000	L1	ON	9.8
0.582000	---	39.89	46.00	6.11	1000.0	9.000	L1	ON	9.8
1.966000	---	38.98	46.00	7.02	1000.0	9.000	L1	ON	9.8
2.098000	45.91	---	56.00	10.09	1000.0	9.000	L1	ON	9.8
2.270000	---	42.24	46.00	3.76	1000.0	9.000	L1	ON	9.8
2.490000	49.62	---	56.00	6.38	1000.0	9.000	L1	ON	9.8
6.562000	41.32	---	60.00	18.68	1000.0	9.000	L1	ON	9.9
6.630000	---	34.08	50.00	15.92	1000.0	9.000	L1	ON	9.9
19.426000	---	34.34	50.00	15.66	1000.0	9.000	L1	ON	10.2
19.506000	38.71	---	60.00	21.29	1000.0	9.000	L1	ON	10.2

Remark:

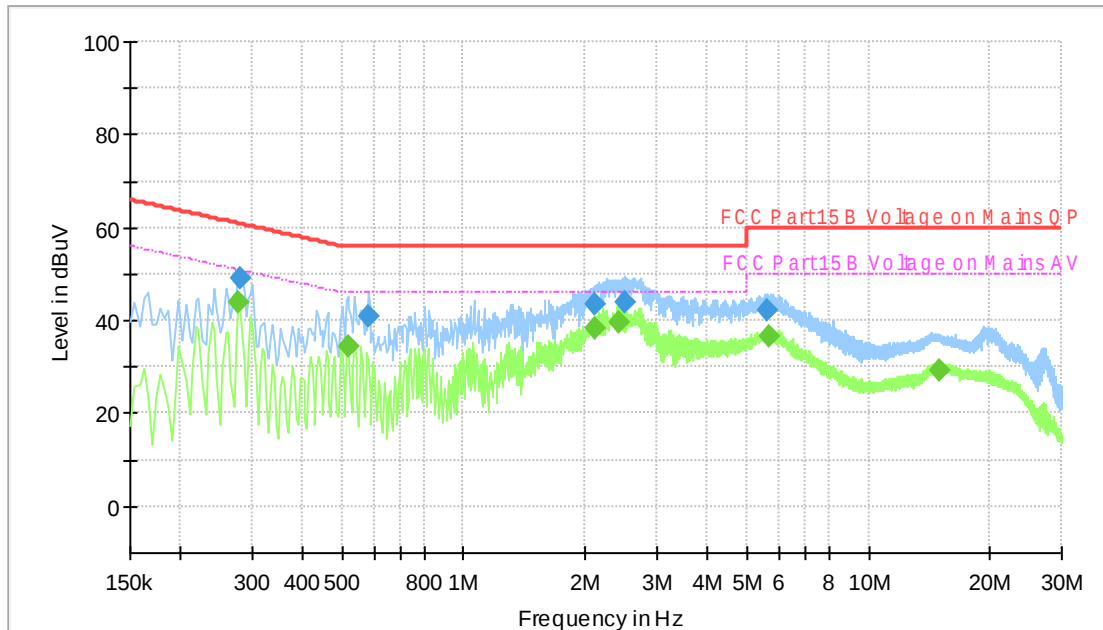
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.278000	---	43.71	50.88	7.17	1000.0	9.000	N	ON	9.8
0.282000	48.90	---	60.76	11.85	1000.0	9.000	N	ON	9.8
0.518000	---	34.49	46.00	11.51	1000.0	9.000	N	ON	9.8
0.582000	41.01	---	56.00	14.99	1000.0	9.000	N	ON	9.8
2.118000	43.63	---	56.00	12.37	1000.0	9.000	N	ON	9.8
2.118000	---	38.34	46.00	7.66	1000.0	9.000	N	ON	9.8
2.422000	---	39.45	46.00	6.55	1000.0	9.000	N	ON	9.8
2.506000	44.00	---	56.00	12.00	1000.0	9.000	N	ON	9.8
5.610000	42.31	---	60.00	17.69	1000.0	9.000	N	ON	10.0
5.678000	---	36.58	50.00	13.42	1000.0	9.000	N	ON	10.0
14.926000	---	29.15	50.00	20.85	1000.0	9.000	N	ON	10.2

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. (dB) + Read Level (dBuV)
3. Delta Limit (dB) = Level (dBuV)-Limit (dBuV)

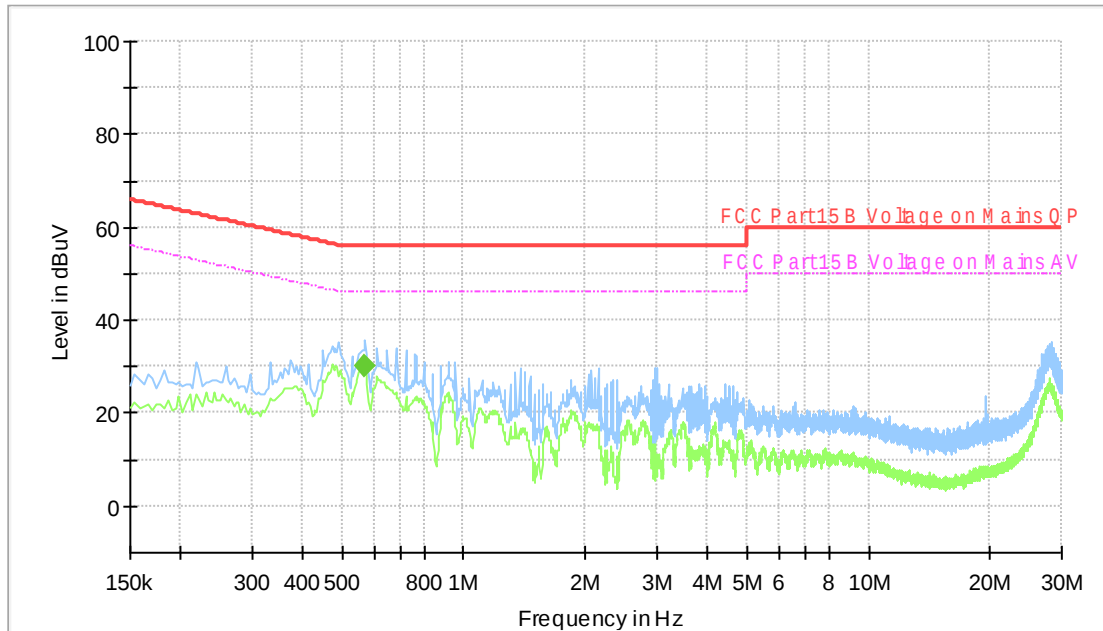
TEST REPORT

Model No: BAA-035

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum

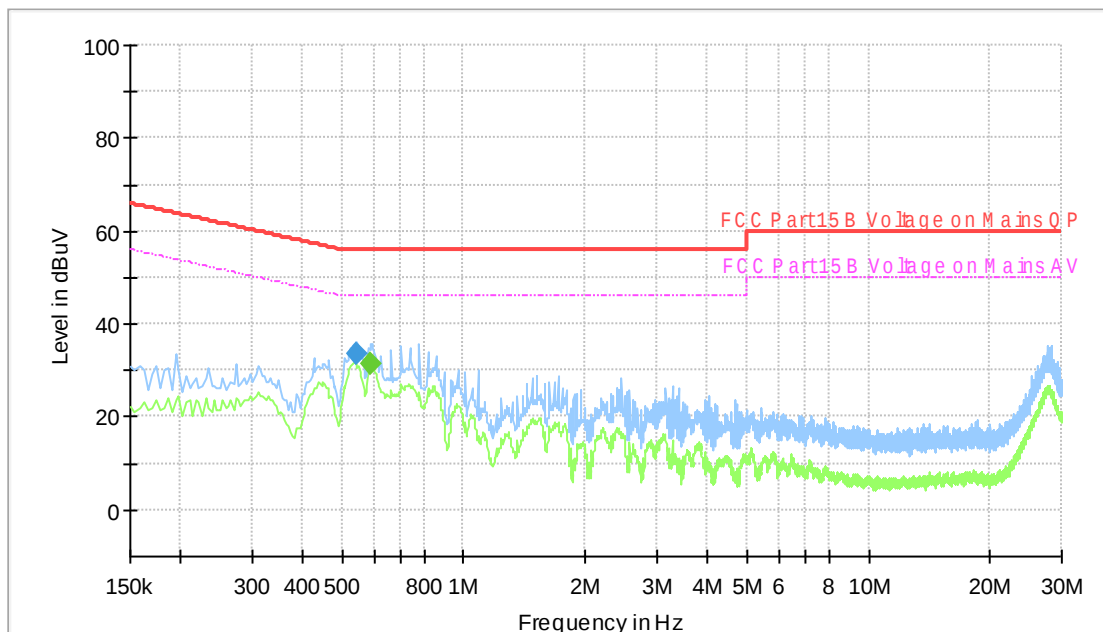


All emission levels are more than 10 dB below the limit.

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



TEST REPORT

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.546000	33.40	---	56.00	22.60	1000.0	9.000	N	ON	9.8
0.590000	---	31.48	46.00	14.52	1000.0	9.000	N	ON	9.8

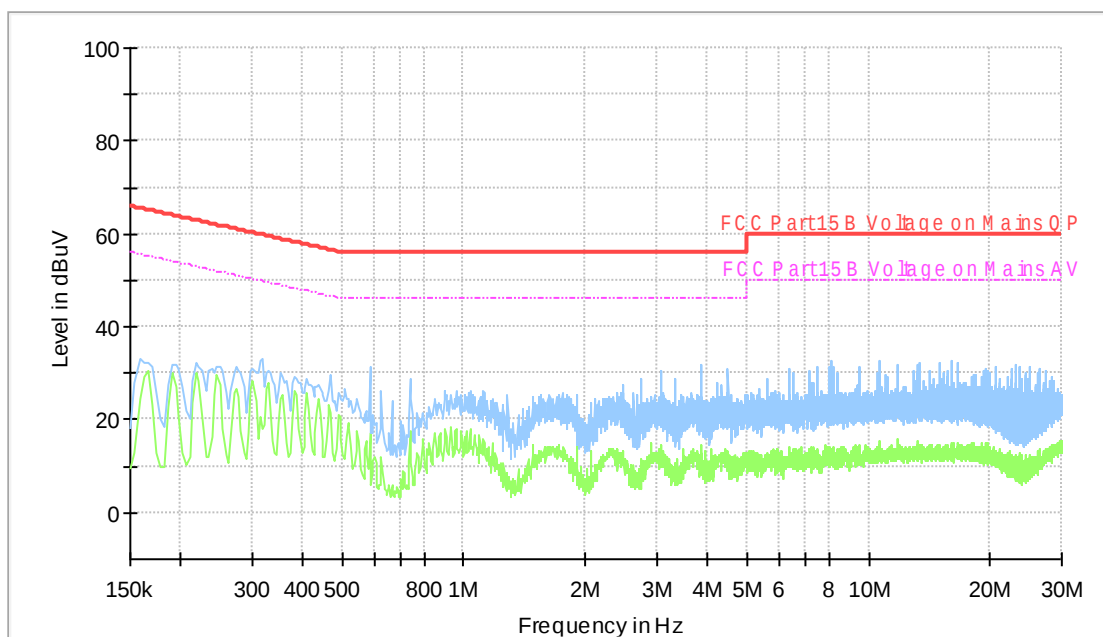
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

Model No: BSC-004

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



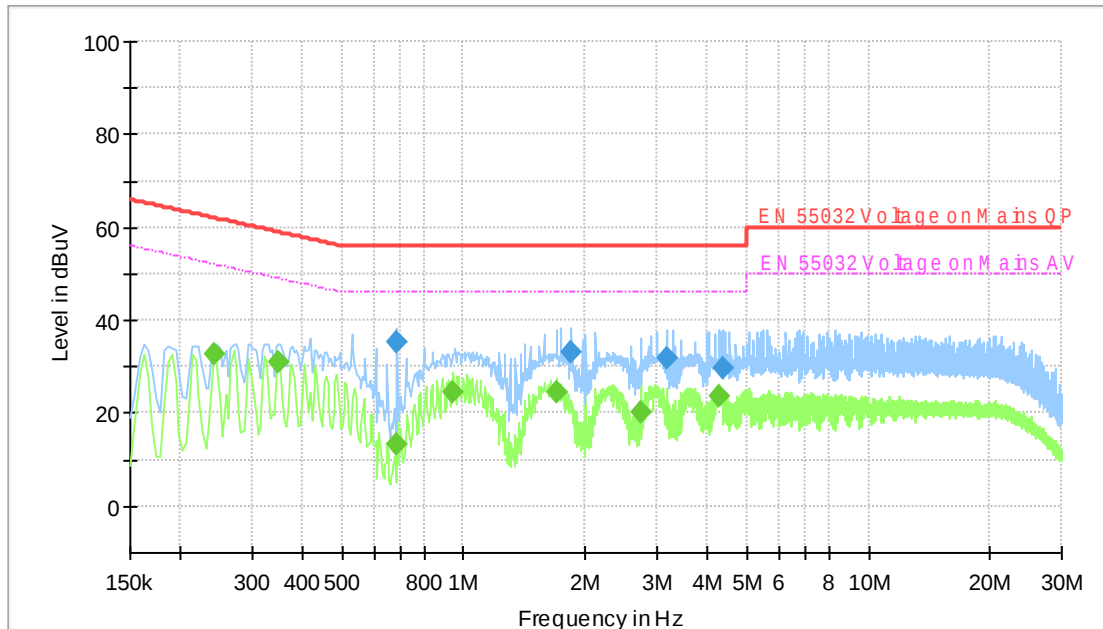
All emission levels are more than 10 dB below the limit.

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.242000	---	32.78	52.03	19.25	1000.0	9.000	N	ON	9.8
0.350000	---	31.14	48.96	17.82	1000.0	9.000	N	ON	9.8
0.686000	35.36	---	56.00	20.64	1000.0	9.000	N	ON	9.8
0.686000	---	13.19	46.00	32.81	1000.0	9.000	N	ON	9.8
0.942000	---	24.72	46.00	21.28	1000.0	9.000	N	ON	9.8
1.694000	---	24.54	46.00	21.46	1000.0	9.000	N	ON	9.8
1.846000	33.32	---	56.00	22.68	1000.0	9.000	N	ON	9.8
2.742000	---	20.39	46.00	25.61	1000.0	9.000	N	ON	9.9
3.166000	31.79	---	56.00	24.21	1000.0	9.000	N	ON	9.9
4.278000	---	23.60	46.00	22.40	1000.0	9.000	N	ON	9.9
4.394000	29.55	---	56.00	26.45	1000.0	9.000	N	ON	9.9

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

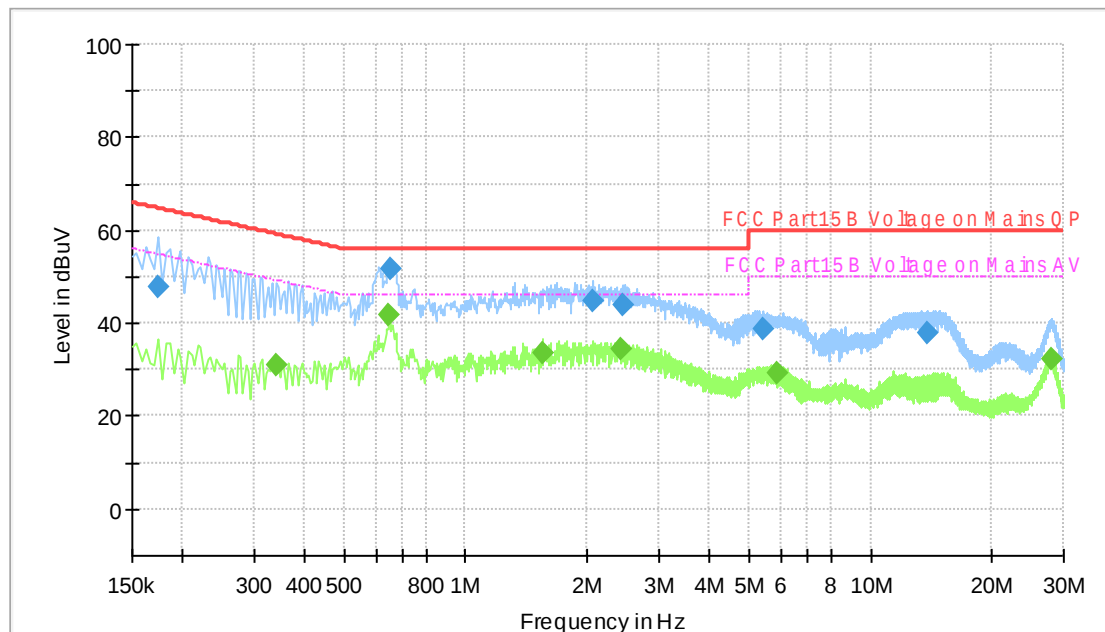
TEST REPORT

Model No: BSC-005

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.174000	47.79	---	64.77	16.98	1000.0	9.000	L1	ON	9.8
0.342000	---	31.12	49.16	18.03	1000.0	9.000	L1	ON	9.8
0.646000	---	41.61	46.00	4.39	1000.0	9.000	L1	ON	9.8
0.654000	51.73	---	56.00	4.27	1000.0	9.000	L1	ON	9.8
1.550000	---	33.59	46.00	12.41	1000.0	9.000	L1	ON	9.8
2.058000	44.66	---	56.00	11.34	1000.0	9.000	L1	ON	9.8
2.426000	---	34.41	46.00	11.59	1000.0	9.000	L1	ON	9.8
2.434000	43.97	---	56.00	12.03	1000.0	9.000	L1	ON	9.8
5.402000	38.79	---	60.00	21.21	1000.0	9.000	L1	ON	9.9
5.854000	---	29.08	50.00	20.92	1000.0	9.000	L1	ON	9.9
13.878000	37.92	---	60.00	22.08	1000.0	9.000	L1	ON	10.1
27.954000	---	32.34	50.00	17.66	1000.0	9.000	L1	ON	10.5

Remark:

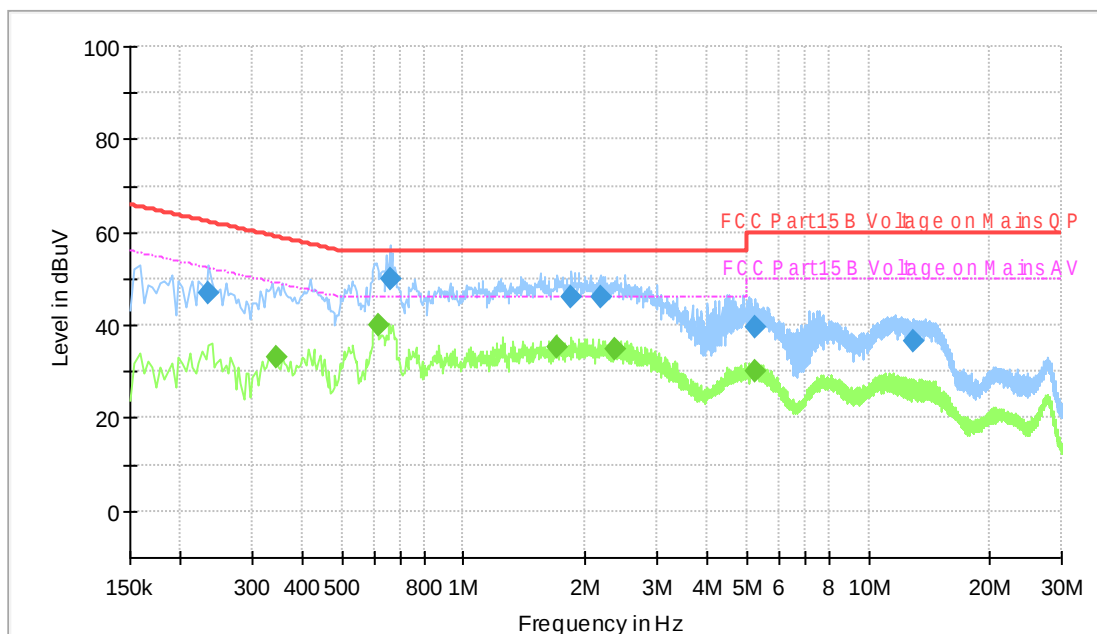
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.234000	46.90	---	62.31	15.40	1000.0	9.000	N	ON	9.8
0.346000	---	33.01	49.06	16.05	1000.0	9.000	N	ON	9.8
0.614000	---	40.19	46.00	5.81	1000.0	9.000	N	ON	9.8
0.658000	50.11	---	56.00	5.89	1000.0	9.000	N	ON	9.8
1.702000	---	35.46	46.00	10.54	1000.0	9.000	N	ON	9.8
1.850000	46.15	---	56.00	9.85	1000.0	9.000	N	ON	9.8
2.174000	46.09	---	56.00	9.91	1000.0	9.000	N	ON	9.8
2.362000	---	35.01	46.00	10.99	1000.0	9.000	N	ON	9.8
5.234000	39.46	---	60.00	20.54	1000.0	9.000	N	ON	9.9
5.246000	---	30.24	50.00	19.76	1000.0	9.000	N	ON	9.9
12.970000	36.72	---	60.00	23.28	1000.0	9.000	N	ON	10.2

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

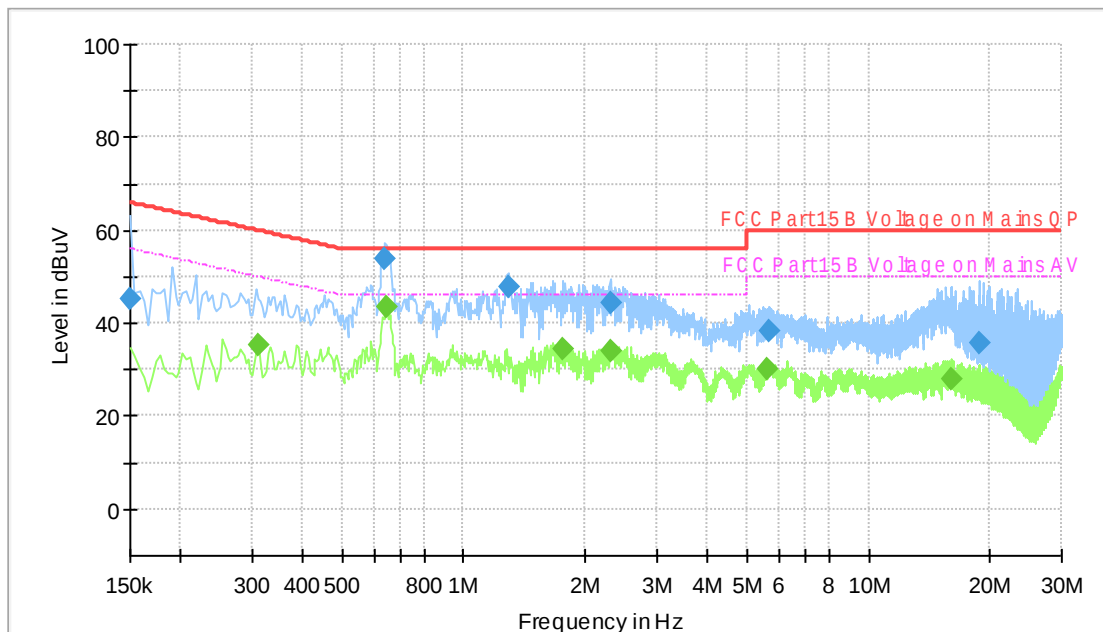
TEST REPORT

Model No: BSC-006

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	45.21	---	66.00	20.79	1000.0	9.000	L1	ON	9.8
0.310000	---	35.38	49.97	14.59	1000.0	9.000	L1	ON	9.8
0.638000	53.92	---	56.00	2.08	1000.0	9.000	L1	ON	9.8
0.642000	---	43.45	46.00	2.55	1000.0	9.000	L1	ON	9.8
1.286000	47.69	---	56.00	8.31	1000.0	9.000	L1	ON	9.8
1.762000	---	34.57	46.00	11.43	1000.0	9.000	L1	ON	9.8
2.298000	44.51	---	56.00	11.49	1000.0	9.000	L1	ON	9.8
2.298000	---	34.12	46.00	11.88	1000.0	9.000	L1	ON	9.8
5.610000	---	30.30	50.00	19.70	1000.0	9.000	L1	ON	9.9
5.702000	38.36	---	60.00	21.64	1000.0	9.000	L1	ON	9.9
16.082000	---	28.03	50.00	21.97	1000.0	9.000	L1	ON	10.1
18.874000	35.80	---	60.00	24.20	1000.0	9.000	L1	ON	10.2

Remark:

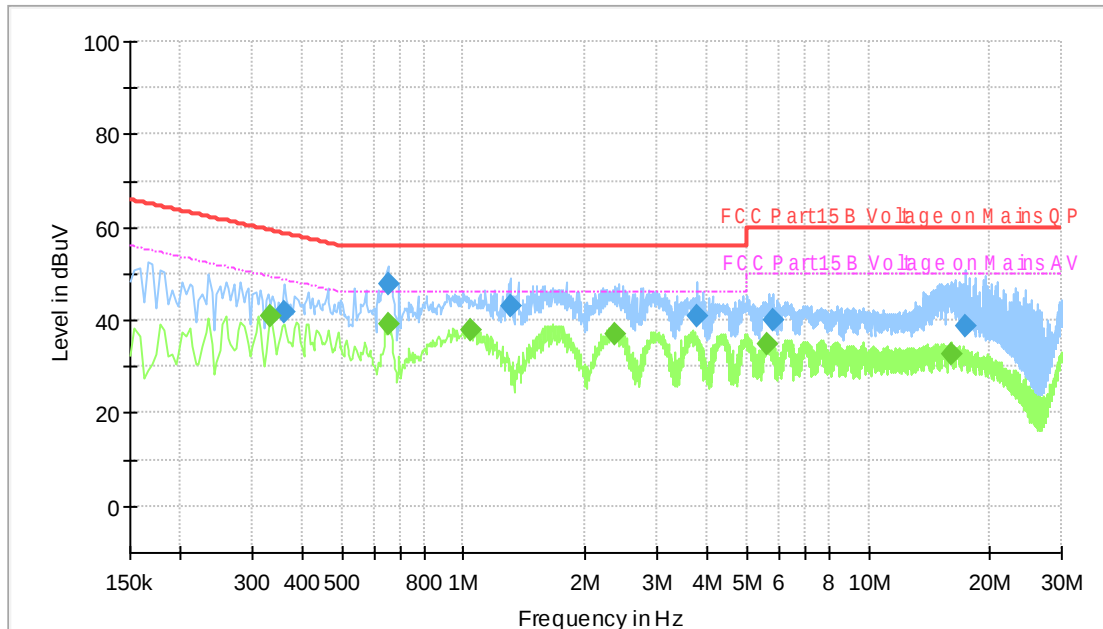
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.334000	---	40.90	49.35	8.45	1000.0	9.000	N	ON	9.8
0.362000	41.93	---	58.68	16.76	1000.0	9.000	N	ON	9.8
0.650000	---	39.12	46.00	6.88	1000.0	9.000	N	ON	9.8
0.650000	47.98	---	56.00	8.02	1000.0	9.000	N	ON	9.8
1.046000	---	37.71	46.00	8.29	1000.0	9.000	N	ON	9.8
1.302000	43.02	---	56.00	12.98	1000.0	9.000	N	ON	9.8
2.362000	---	37.12	46.00	8.88	1000.0	9.000	N	ON	9.8
3.766000	40.77	---	56.00	15.23	1000.0	9.000	N	ON	9.9
5.618000	---	35.01	50.00	14.99	1000.0	9.000	N	ON	10.0
5.802000	40.01	---	60.00	19.99	1000.0	9.000	N	ON	10.0
16.062000	---	32.81	50.00	17.19	1000.0	9.000	N	ON	10.3
17.362000	38.66	---	60.00	21.34	1000.0	9.000	N	ON	10.3

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

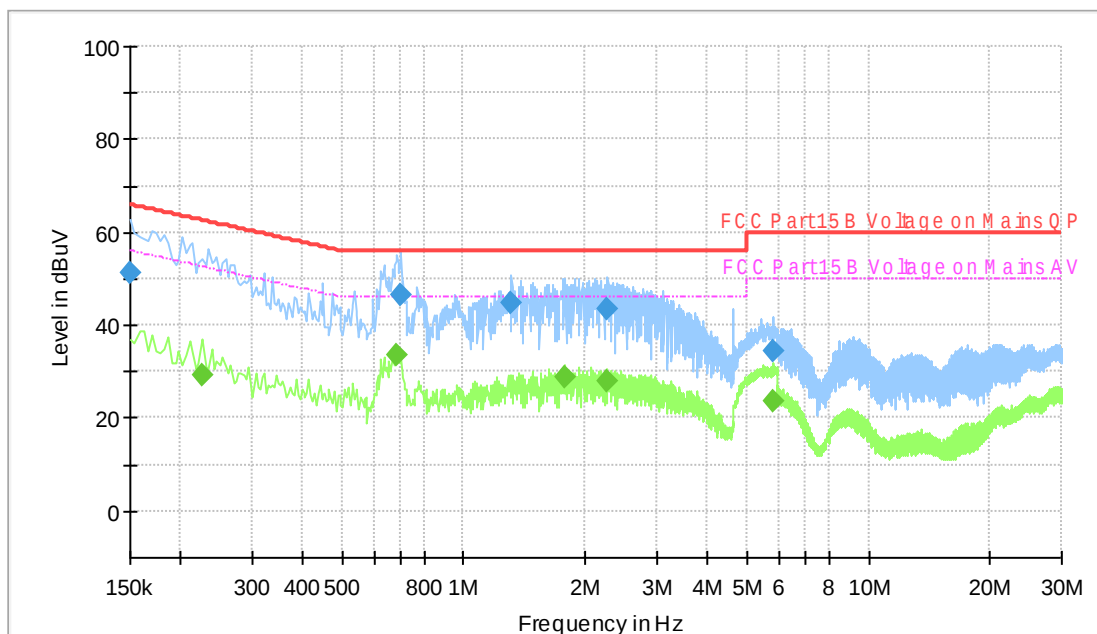
TEST REPORT

Model No: BSC-007

Tested Wire: Live

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	51.13	---	66.00	14.87	1000.0	9.000	L1	ON	9.8
0.226000	---	29.20	52.60	23.39	1000.0	9.000	L1	ON	9.8
0.682000	---	33.46	46.00	12.54	1000.0	9.000	L1	ON	9.8
0.702000	46.51	---	56.00	9.49	1000.0	9.000	L1	ON	9.8
1.314000	44.99	---	56.00	11.01	1000.0	9.000	L1	ON	9.8
1.774000	---	28.78	46.00	17.22	1000.0	9.000	L1	ON	9.8
2.266000	---	27.80	46.00	18.20	1000.0	9.000	L1	ON	9.8
2.270000	43.61	---	56.00	12.39	1000.0	9.000	L1	ON	9.8
5.802000	---	23.71	50.00	26.29	1000.0	9.000	L1	ON	9.9
5.818000	34.53	---	60.00	25.47	1000.0	9.000	L1	ON	9.9

Remark:

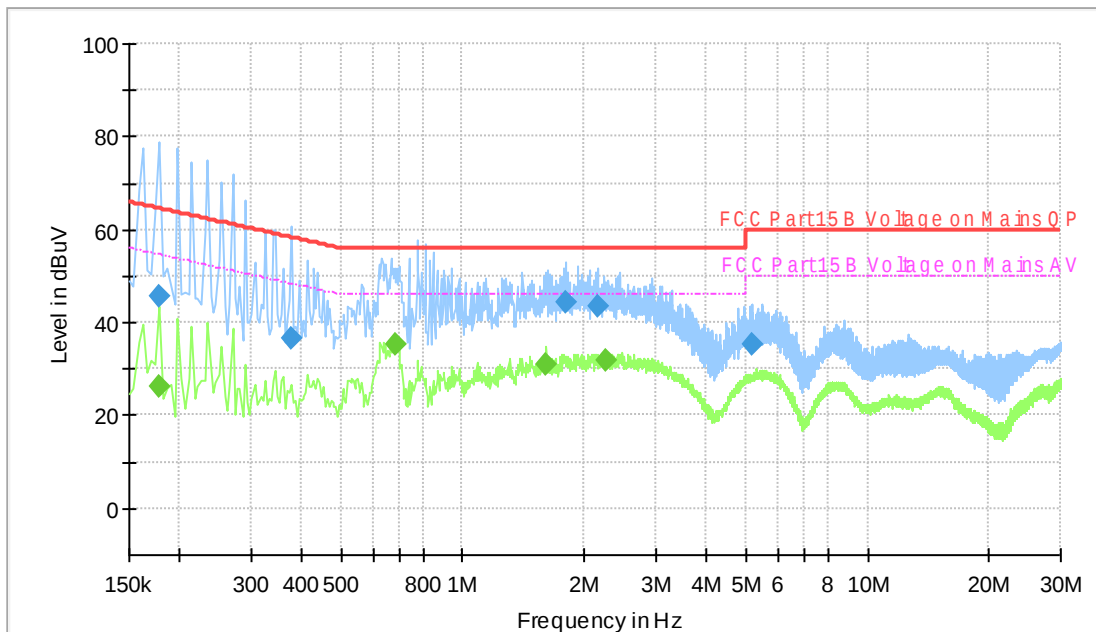
1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

Tested Wire: Neutral

Operation Mode: transmitting mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.178000	---	26.28	54.58	28.29	1000.0	9.000	N	ON	9.8
0.178000	45.63	---	64.58	18.95	1000.0	9.000	N	ON	9.8
0.378000	36.61	---	58.32	21.71	1000.0	9.000	N	ON	9.8
0.686000	---	35.08	46.00	10.92	1000.0	9.000	N	ON	9.8
1.610000	---	31.08	46.00	14.92	1000.0	9.000	N	ON	9.8
1.794000	44.27	---	56.00	11.73	1000.0	9.000	N	ON	9.8
2.150000	43.67	---	56.00	12.33	1000.0	9.000	N	ON	9.8
2.258000	---	31.99	46.00	14.01	1000.0	9.000	N	ON	9.8
5.202000	35.34	---	60.00	24.66	1000.0	9.000	N	ON	9.9

1. Corr. (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBμV) = Corr. (dB) + Read Level (dBμV)
3. Delta Limit (dB) = Level (dBμV)-Limit (dBμV)

TEST REPORT

5.0 Test Equipment List

Radiated Emission/Radio

Equipment No.	Equipment	Model	Manufacturer	Cal. Due date (YYYY-MM-DD)	Calibration Interval
EM030-04	3m Semi-Anechoic Chamber	9×6×6 m ³	ETS• LINDGREN	2023-04-07	1Y
EM031-02	EMI Test Receiver (9 kHz~7 GHz)	R&S ESR7	R&S	2022-11-16	1Y
EM031-03	Signal and Spectrum Analyzer (10 Hz~40 GHz)	R&S FSV40	R&S	2022-12-23	1Y
EM011-04	Loop antenna (9 kHz-30 MHz)	HFH2-Z2	R&S	2022-06-25	1Y
EM061-03	TRILOG Super Broadband test Antenna (30 MHz-1.5 GHz) (TX)	VULB 9161	SCHWARZBEC K	2022-06-18	1Y
EM033-01	TRILOG Super Broadband test Antenna(30 MHz-3 GHz) (RX)	VULB 9163	SCHWARZBEC K	2022-10-18	1Y
EM033-02	Bouble-Ridged Waveguide Horn Antenna (800 MHz-18 GHz)(RX)	R&S HF907	R&S	2022-06-18	1Y
EM033-03	High Frequency Antenna & preamplifier(18 GHz~26.5 GHz) (RX)	R&S SCU-26	R&S	2022-04-22	1Y
EM033-04	High Frequency Antenna & preamplifier (26 GHz-40 GHz)	R&S SCU-40	R&S	2022-04-22	1Y
EM031-02-01	Coaxial cable(9 kHz-1 GHz)	N/A	R&S	2023-04-08	1Y
EM033-02-02	Coaxial cable(1 GHz-18 GHz)	N/A	R&S	2023-04-08	1Y
EM033-04-02	Coaxial cable(18 GHz~40 GHz)	N/A	R&S	2022-04-23	1Y
EM031-01	Signal Generator (9 kHz~6 GHz)	SMB100A	R&S	2022-07-19	1Y
EM040-01	Band Reject/Notch Filter	WRHFV	Wainwright	N/A	1Y
EM040-02	Band Reject/Notch Filter	WRCGV	Wainwright	N/A	1Y
EM040-03	Band Reject/Notch Filter	WRCGV	Wainwright	N/A	1Y
EM022-03	2.45 GHz Filter	BRM50702	Micro-Tronics	2022-05-11	1Y
SA016-29	Climatic Test Chamber	MHU-80L	JIANQIAO	2023-01-20	1Y
SA012-74	Digital Multimeter	FLUKE175	FLUKE	2022-10-09	1Y
EM010-01	Regulated DC Power supply	PAB-3003A	GUANHUA	N/A	1Y
SA040-22	Regulated DC Power supply	IT6721	ITECH	2022-09-01	1Y
EM084-06	Audio Analyzer	8903B	HP	2022-04-11	1Y
EM046-05	Power meter	NPR6A	R&S	2023-03-10	1Y
EM046-06	Power meter	NPR6A	R&S	2023-03-10	1Y
EM045-01-01	EMC32 software (RE/RS)	V10.01.00	R&S	N/A	N/A
EM045-01-09	EMC32 software (328/893)	V9.26.01	R&S	N/A	N/A

Conducted emission at the mains terminals

Equipment No.	Equipment	Model	Manufacturer	Cal. Due date (YYYY-MM-DD)	Calibration Interval
EM080-05	EMI receiver	ESCI	R&S	2022-07-15	1Y
EM006-05	LISN	ENV216	R&S	2022-06-06	1Y
EM006-06	LISN	ENV216	R&S	2022-09-03	1Y
EM006-06-01	Coaxial cable	/	R&S	2023-04-08	1Y
EM004-04	EMC shield Room	8m×3m×3m	Zhongyu	2023-01-06	1Y

*****End of the test report*****