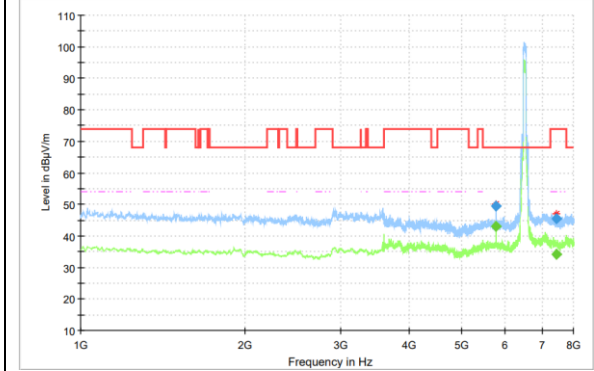
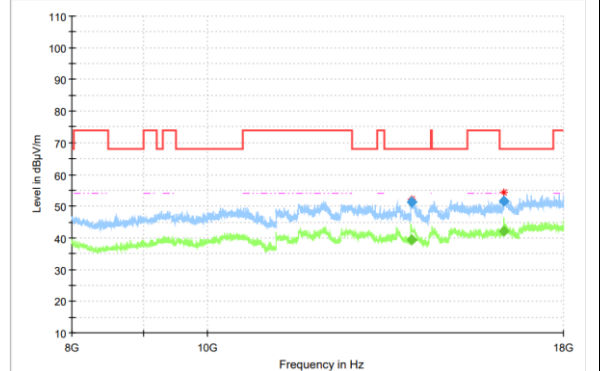


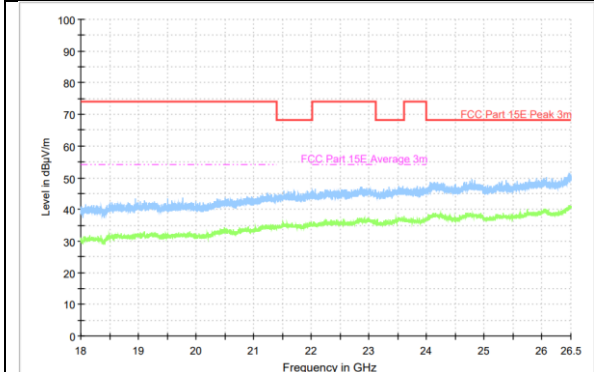
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch111, 1GHz-8GHz)



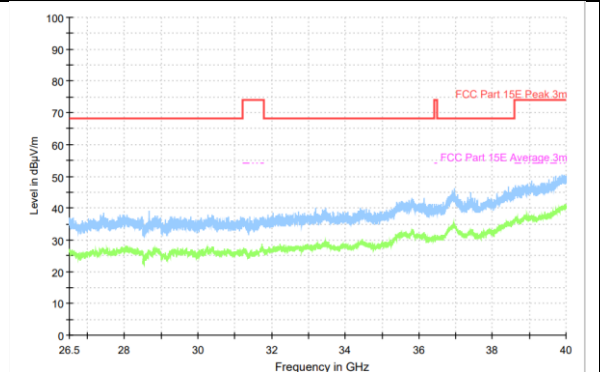
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch111, 8GHz-18GHz)



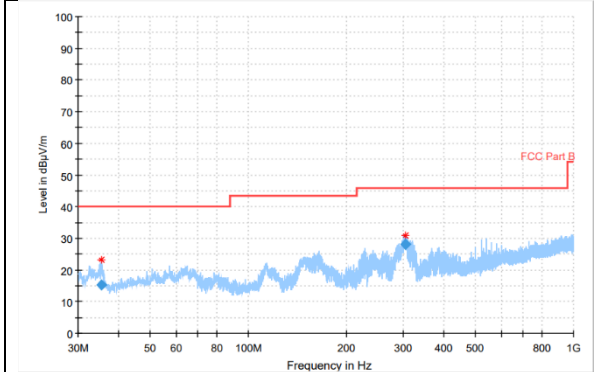
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch111, 18GHz-26.5GHz)



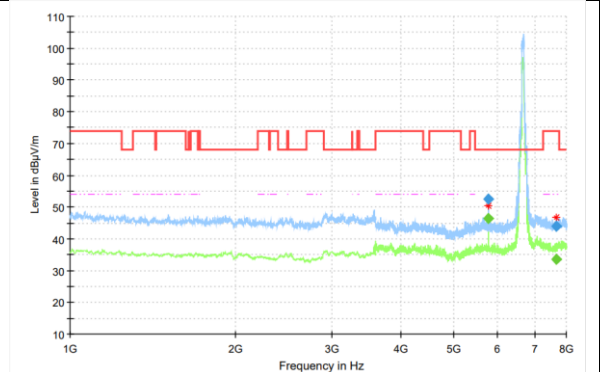
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch111, 26.5GHz-40GHz)



**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch143, 30MHz-1GHz)



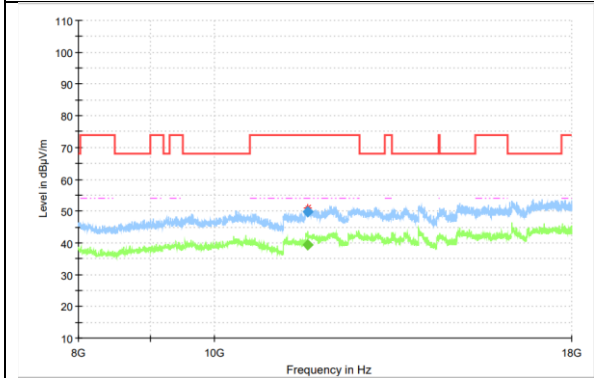
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch143, 1GHz-8GHz)



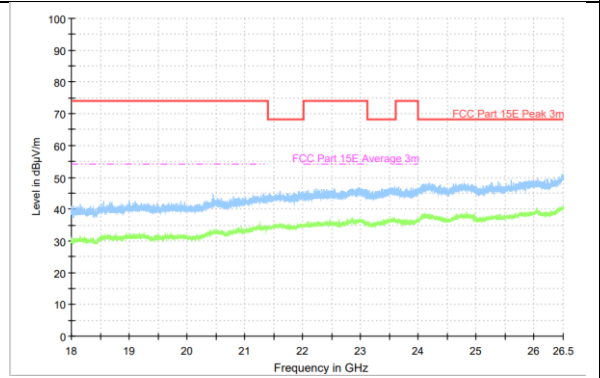
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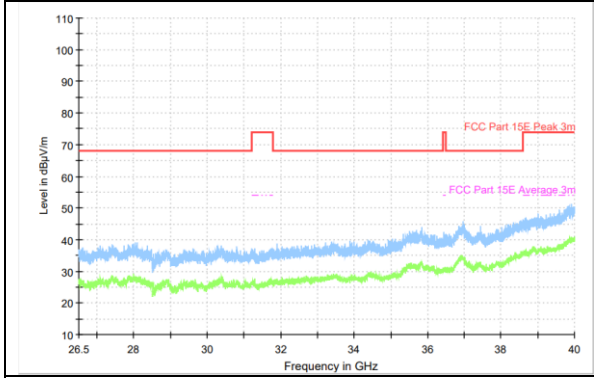
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch143, 8GHz-18GHz)



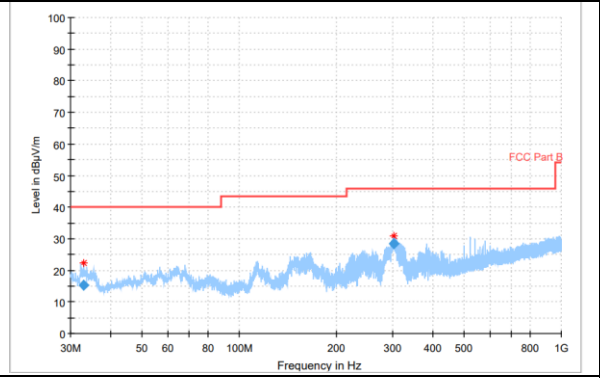
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch143, 18GHz-26.5GHz)



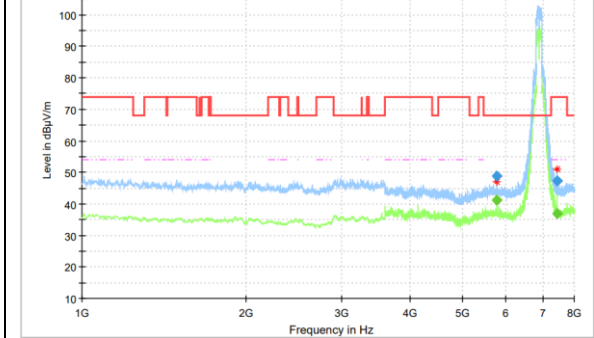
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch143, 26.5GHz-40GHz)



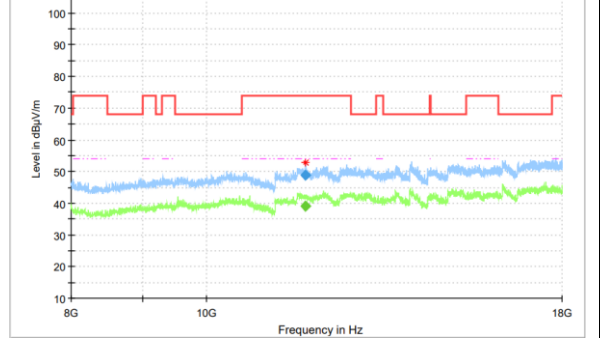
**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch207, 30MHz-1GHz)

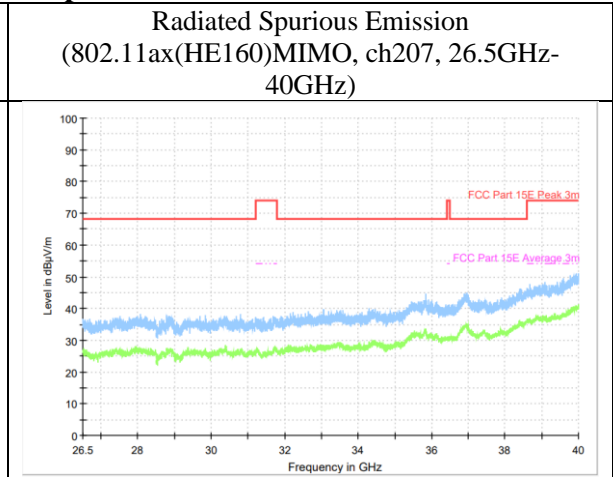
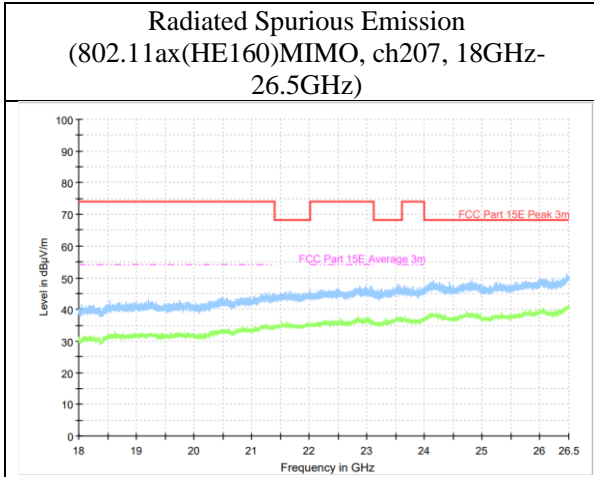


**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch207, 1GHz-8GHz)



**Radiated Spurious Emission**  
(802.11ax(HE160)MIMO, ch207, 8GHz-18GHz)

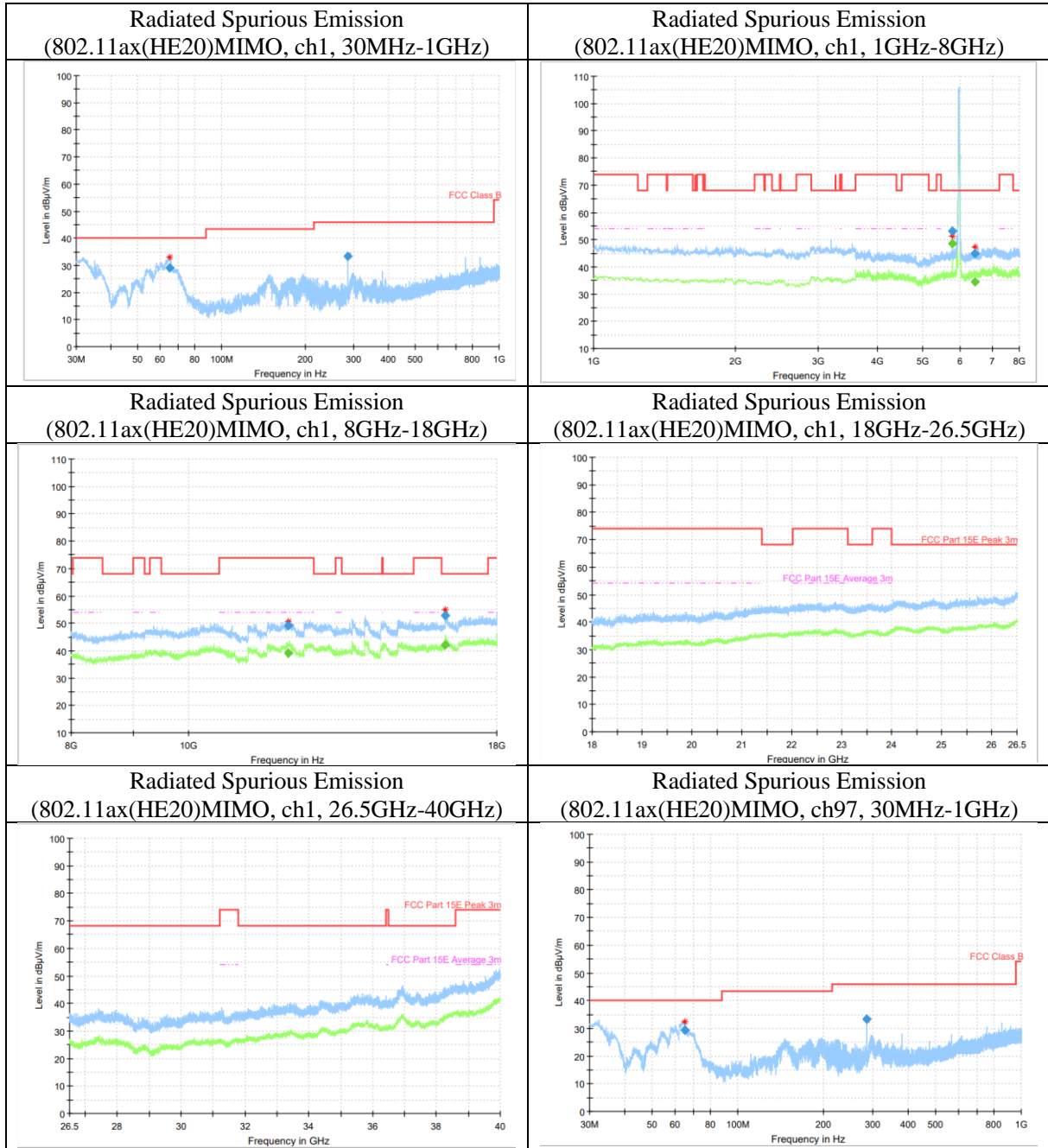




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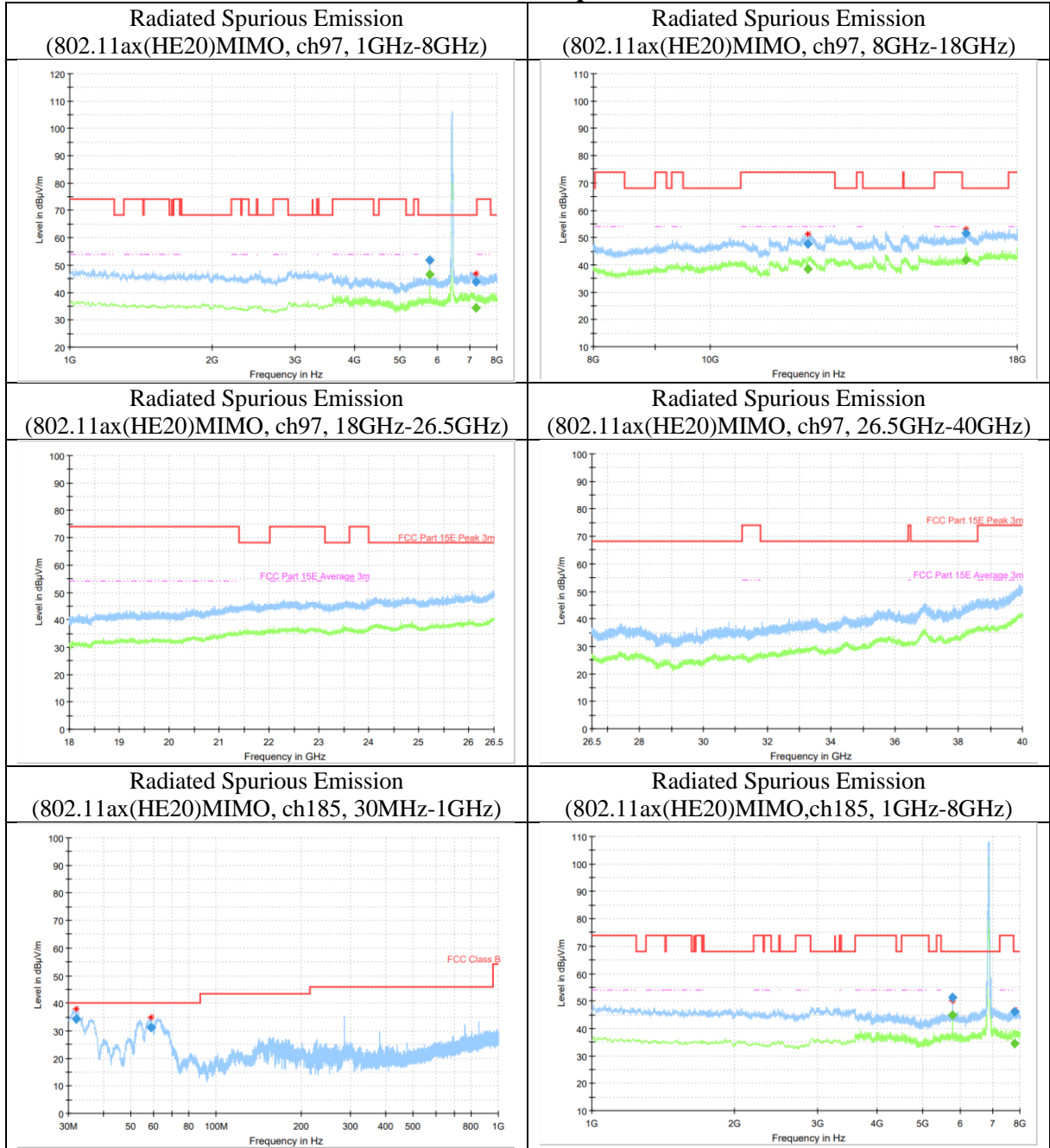
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Secondary supply (S11 L15B1)



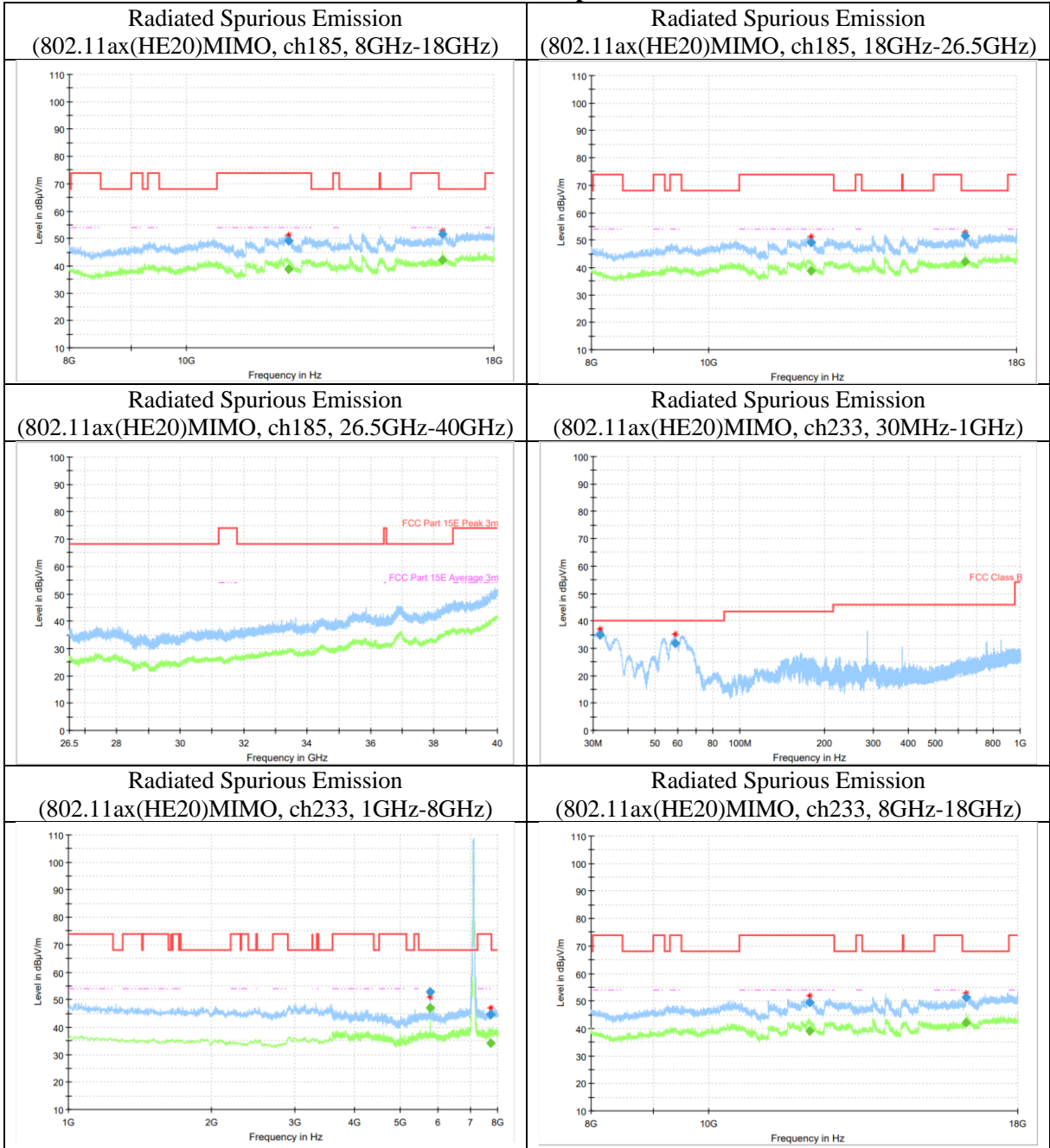
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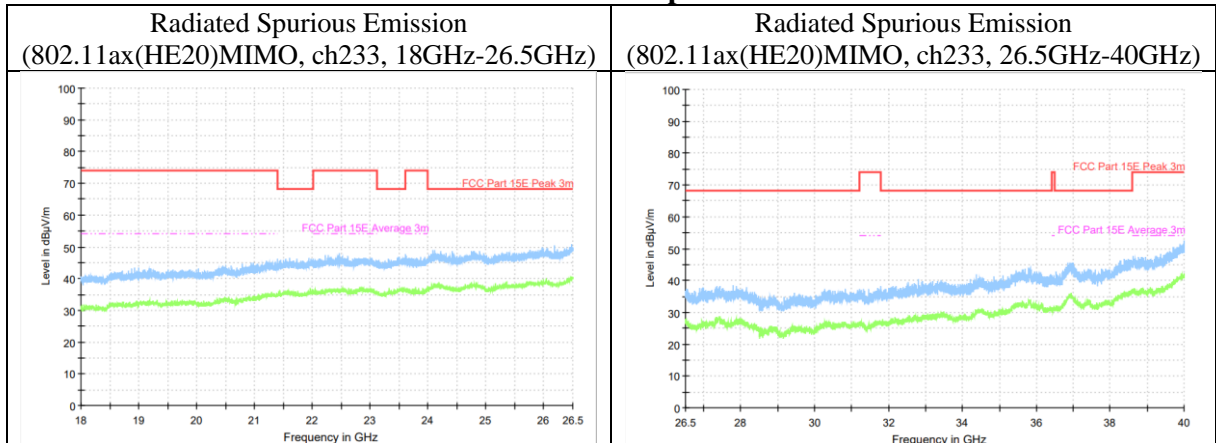
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**Note:**

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report. Transmitter Spurious Emission-Radiated H and V are tested together, The test result is maximum hold. Therefore, the result is only one set of data. Found the emission level are attenuated 20dB below the limits for frequency range 9kHz to 30MHz, so it does not recorded in report. The 30MHz-1GHz, 18GHz-26.5GHz and 26.5GHz-40GHz results were found as the worst case and were shown in this report.

Mainly Supply (S8 L15A1)

**RSE-11ax-30M-1G-CH93(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
34.6	14.45	-15	29.45	H
301.8	28.07	-10	38.07	H

**RSE-11ax-1G-8G-CH93(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.0	51.4	2	49.4	H
7507.2	43.64	3	40.64	V

**RSE-11ax-8G-18G-CH93(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12673.4	50.46	11	39.46	H

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**Report No.: I23W00036-WIFI 6E RF-FCC**

16307.6	52.4	16	36.4	H
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**RSE-11ax-30M-1G-CH113(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
33.8	15.02	-15	30.02	H
308.5	27.87	-10	37.87	H

**RSE-11ax-1G-8G-CH113(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.0	54.09	2	52.09	H
7054.6	44.82	4	40.82	V

**RSE-11ax-8G-18G-CH113(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12521.6	49.82	10	39.82	H
16303.6	52.33	16	36.33	V

**RSE-11ax-30M-1G-CH149(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
33.3	15.5	-16	31.5	H
303.5	28.53	-10	38.53	H

**RSE-11ax-1G-8G-CH149(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
3188.8	43.05	0	43.05	V
5760.2	51.94	2	49.94	H
7728.0	44.35	4	40.35	H

**RSE-11ax-8G-18G-CH149(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12643.6	50.06	11	39.06	H

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16303.0	51.84	16	35.84	H
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**RSE-11ax-30M-1G-CH229(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
34.2	14.44	-15	29.44	H
304.5	28.29	-10	38.29	H

**RSE-11ax-1G-8G-CH229(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.2	51.58	2	49.58	H
7737.8	44.24	4	40.24	H

**RSE-11ax-8G-18G-CH229(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12587.6	50.43	11	39.43	H
16303.2	53.54	16	37.54	H

**RSE-11ax(40M)-30M-1G-CH3(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
34.7	15.46	-15	30.46	H
304.5	28.24	-10	38.24	H

**RSE-11ax(40M)-1G-8G-CH3(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
4515.2	44.05	1	43.05	V
5760.4	50.7	2	48.7	V
7172.4	45.18	4	41.18	H

**RSE-11ax(40M)-8G-18G-CH3(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
11787.0	48.97	10	38.97	V

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**RSE-11ax(40M)-30M-1G-CH115(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
34.0	14.19	-15	29.19	H
304.6	28	-10	38	H

**RSE-11ax(40M)-1G-8G-CH115(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.4	52.25	2	50.25	H
7776.8	44.52	4	40.52	V

**RSE-11ax(40M)-8G-18G-CH115(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
11648.2	50.95	10	40.95	H

**RSE-11ax(40M)-30M-1G-CH179(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
34.9	14.65	-15	29.65	H
301.4	28.29	-10	38.29	H

**RSE-11ax(40M)-1G-8G-CH179(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.0	51.61	2	49.61	H
7437.4	44.2	4	40.2	H

**RSE-11ax(40M)-8G-18G-CH179(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12673.2	49.96	11	38.96	H

**RSE-11ax(40M)-30M-1G-CH227(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
35.2	15.73	-15	30.73	H
304.3	28.38	-10	38.38	H

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**RSE-11ax(40M)-1G-8G-CH227(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5668.2	53.74	2	51.74	H
5759.8	52.52	2	50.52	H
7816.2	45.15	4	41.15	V

**RSE-11ax(40M)-8G-18G-CH227(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11679.4	48.95	10	38.95	H

**RSE-11ax(80M)-30M-1G-CH87(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
33.8	15.14	-15	30.14	H
303.0	28.43	-10	38.43	H

**RSE-11ax(80M)-1G-8G-CH87(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.0	50.13	2	48.13	H
7087.6	45.63	4	41.63	H

**RSE-11ax(80M)-8G-18G-CH87(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12026.2	48.76	10	38.76	V
16307.8	52.72	16	36.72	H

**RSE-11ax(80M)-30M-1G-CH119(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
33.4	14.91	-15	29.91	H
302.7	28.07	-10	38.07	H

**RSE-11ax(80M)-1G-8G-CH119(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
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5760.2	49.18	2	47.18	V
7040.6	45.78	4	41.78	V

**RSE-11ax(80M)-8G-18G-CH119(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12141.4	48.54	11	37.54	H
16304.6	52.58	16	36.58	V

**RSE-11ax(80M)-30M-1G-CH167(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
35.4	15.29	-15	30.29	H
300.9	27.96	-10	37.96	H

**RSE-11ax(80M)-1G-8G-CH167(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.4	50.07	2	48.07	H
7895.2	45.07	4	41.07	H

**RSE-11ax(80M)-8G-18G-CH167(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
12095.6	48.39	10	38.39	H
16301.8	51.72	16	35.72	V

**RSE-11ax(80M)-30M-1G-CH215(QP)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
34.0	14.46	-15	29.46	H
303.6	28.46	-10	38.46	H

**RSE-11ax(80M)-1G-8G-CH215(PEAK)**

Frequency (MHz)	Result (dB $\mu$ V/m)	ARpl (dB)	PMea (dB $\mu$ V/m)	Polarity
5760.2	50.54	2	48.54	H

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7926.8	44.71	5	39.71	V
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**RSE-11ax(80M)-8G-18G-CH215(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11653.0	50.41	10	40.41	H
16303.0	52.17	16	36.17	V

**RSE-11ax(160M)-30M-1G-CH79(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
34.2	15.42	-15	30.42	H
301.4	28.39	-10	38.39	H

**RSE-11ax(160M)-1G-8G-CH79(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5759.8	50.72	2	48.72	H
7103.8	44.31	4	40.31	V

**RSE-11ax(160M)-8G-18G-CH79(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11671.0	49.22	10	39.22	V
16309.0	52.45	16	36.45	V

**RSE-11ax(160M)-30M-1G-CH111(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
34.0	14.43	-15	29.43	H
303.7	28.34	-10	38.34	H

**RSE-11ax(160M)-1G-8G-CH111(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5759.8	49.33	2	47.33	V
7444.6	45.52	4	41.52	V

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**RSE-11ax(160M)-8G-18G-CH111(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
14022.8	51.25	12	39.25	H
16302.4	51.61	16	35.61	H

**RSE-11ax(160M)-30M-1G-CH143(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
35.3	15.43	-15	30.43	H
304.9	28.16	-10	38.16	H

**RSE-11ax(160M)-1G-8G-CH143(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.2	52.38	2	50.38	H
7656.2	43.94	4	39.94	H

**RSE-11ax(160M)-8G-18G-CH143(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11655.8	49.9	10	39.9	H

**RSE-11ax(160M)-30M-1G-CH207(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
32.9	15.27	-16	31.27	H
302.6	28.31	-10	38.31	H

**RSE-11ax(160M)-1G-8G-CH207(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.2	48.78	2	46.78	H
7429.4	47.43	4	43.43	V

**RSE-11ax(160M)-8G-18G-CH207(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
11787.0	48.97	10	38.97	V

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Secondary supply (S11 L15B1)

**RSE-30M-1G-11ax-CH1(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
65.2	29.19	-14	43.19	V
284.4	33.43	-11	44.43	H

**RSE-11ax-1G-8G-CH1(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.0	52.97	2	50.97	H
6444.0	44.74	3	41.74	V

**RSE-11ax-8G-18G-CH1(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12104.6	49.16	10	39.16	V
16305.0	52.77	16	36.77	V

**RSE-30M-1G-11ax-CH97(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
65.0	29.37	-14	43.37	V
284.4	33.41	-11	44.41	H

**RSE-11ax-1G-8G-CH97(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.2	51.74	2	49.74	H
7211.8	43.97	4	39.97	V

**RSE-11ax-8G-18G-CH97(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12056.2	47.75	10	37.75	H
16302.2	51.73	16	35.73	H

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**RSE-30M-1G-11ax-CH185(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
32.0	34.37	-16	50.37	V
59.0	31.16	-12	43.16	V

**RSE-11ax-1G-8G-CH185(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.4	51.14	2	49.14	H
7782.0	45.94	4	41.94	V

**RSE-11ax-8G-18G-CH185(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12162.2	49.21	11	38.21	H
16310.8	51.71	16	35.71	H

**RSE-30M-1G-11ax-CH233-YLD(QP)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
31.7	34.94	-16	50.94	V
58.7	31.88	-12	43.88	V

**RSE-11ax-1G-8G-CH233(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
5760.2	52.67	2	50.67	H
7746.2	44.45	4	40.45	V

**RSE-11ax-8G-18G-CH233(PEAK)**

Frequency (MHz)	Result (dBμV/m)	ARpl (dB)	PMea (dBμV/m)	Polarity
12122.8	49.46	10	39.46	V
16304.4	51.39	16	35.39	H

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### 6.9. AC Powerline Conducted Emission

<b>Specifications:</b>	FCC 47 CFR Part 15.207
<b>DUT Serial Number:</b>	S8
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	Pass

#### Limit Level Construction:

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

#### Method of Measurement: ANSI C63.10-2013-clause 6.2

1.The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.

2.If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.

3.The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.

4.If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the

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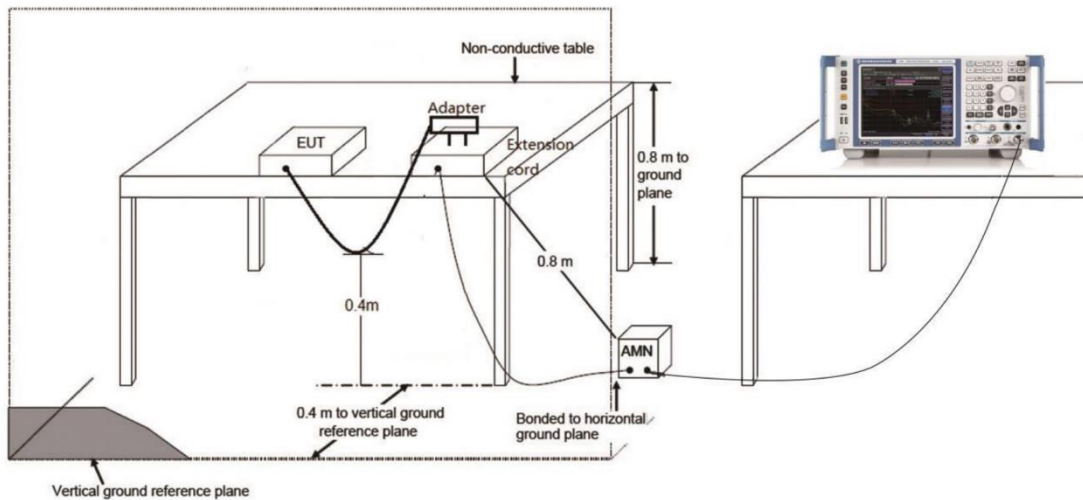
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measurements within the fundamental emission band of the transmitter, but only for those measurements.<sup>36</sup> Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

**Measurement Uncertainty:**

Measurement Uncertainty	1.97dB (k=2)
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**Test Setup**



Test

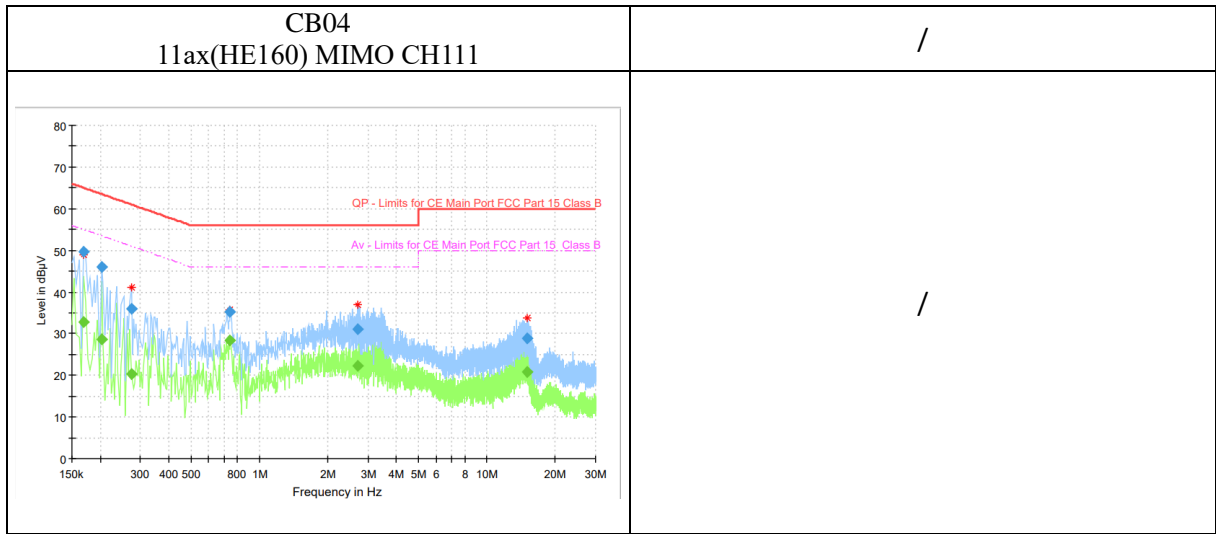
**Condition**

Voltage (V)	Frequency (Hz)
120	60

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**Measurement Results:**



Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
---	---	32.67	55.03	22.36	15000.0	9.000	L1	9.6
0.168656	49.77	---	65.03	15.26	15000.0	9.000	L1	9.6
0.202238	---	28.60	53.52	24.92	15000.0	9.000	L1	9.6
0.202238	45.90	---	63.52	17.62	15000.0	9.000	L1	9.6
0.273131	---	20.35	51.02	30.68	15000.0	9.000	L1	9.6
0.273131	35.87	---	61.02	25.16	15000.0	9.000	L1	9.6
0.743269	---	28.44	46.00	17.56	15000.0	9.000	N	9.6
0.743269	35.17	---	56.00	20.83	15000.0	9.000	N	9.6
2.705906	---	22.30	46.00	23.70	15000.0	9.000	N	9.6
2.705906	31.07	---	56.00	24.93	15000.0	9.000	N	9.6
15.041419	---	20.88	50.00	29.12	15000.0	9.000	N	9.9
15.041419	28.78	---	60.00	31.22	15000.0	9.000	N	9.9

Note:

- 1.All modes have been tested and only the worst mode is recorded in the report.

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## **ANNEX A EUT Photos**

See the document” I23W00036-External Photos”.

See the document” I23W00036-Internal Photos”.

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## ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

\*\*\*END OF REPORT\*\*\*

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