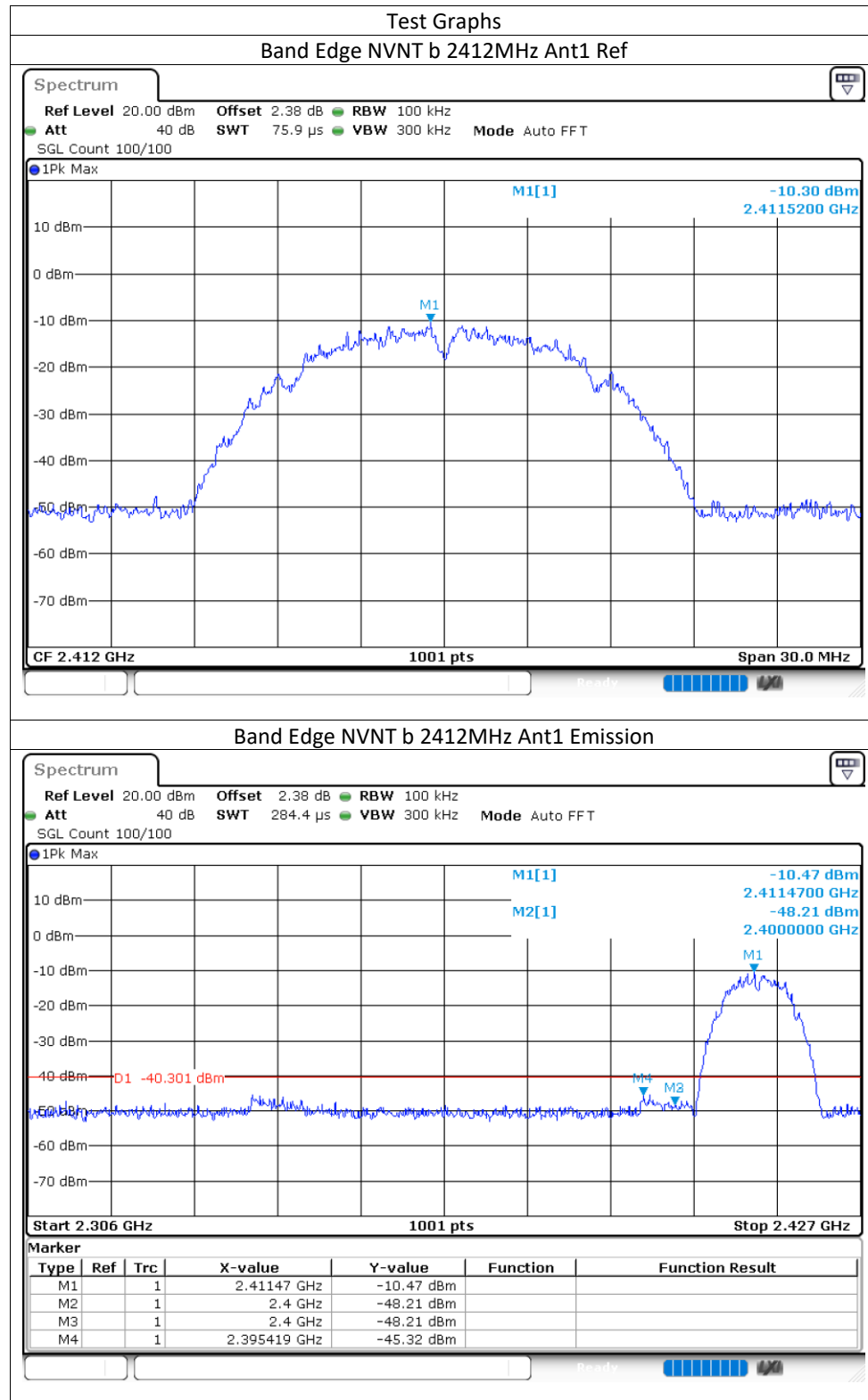
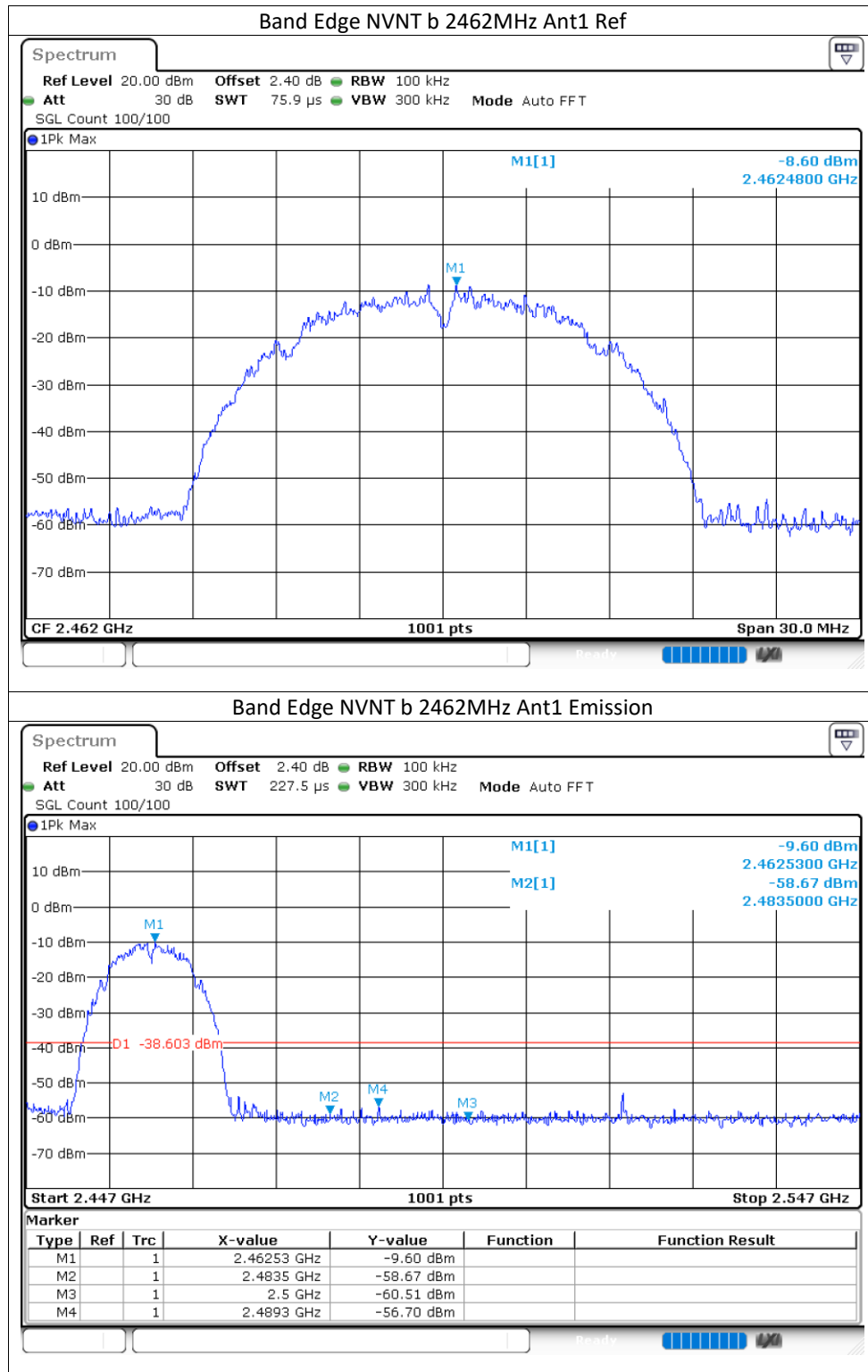
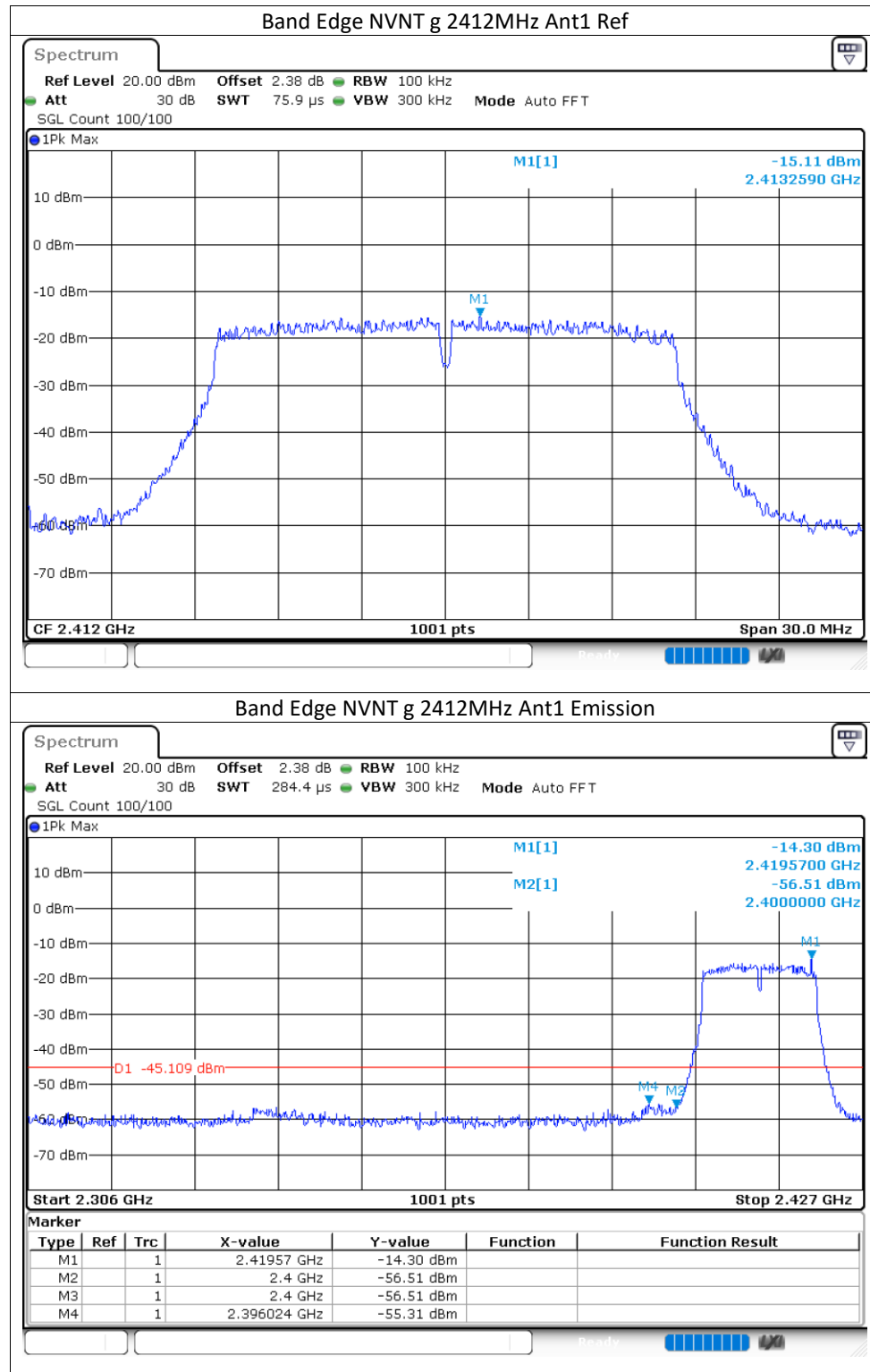
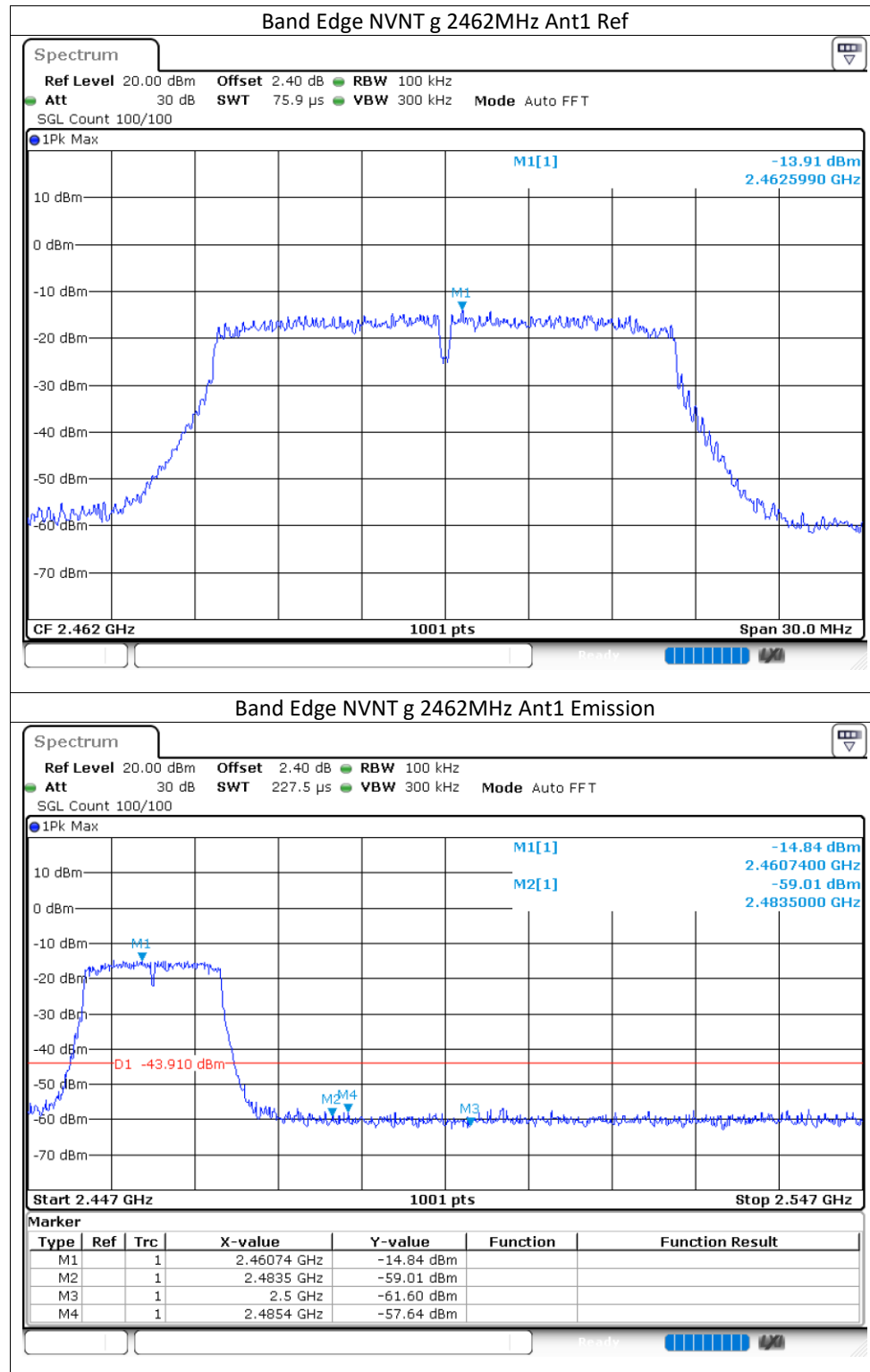
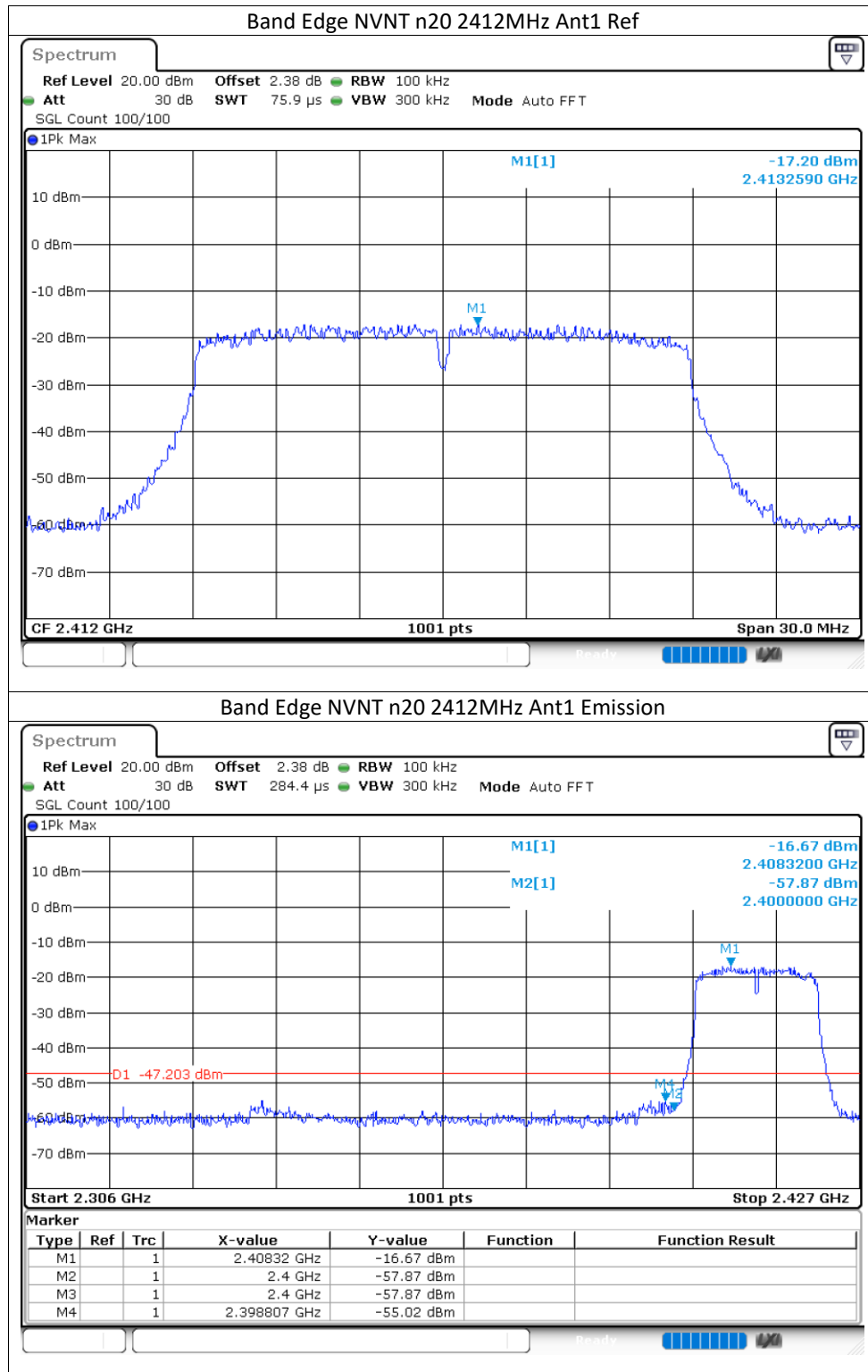


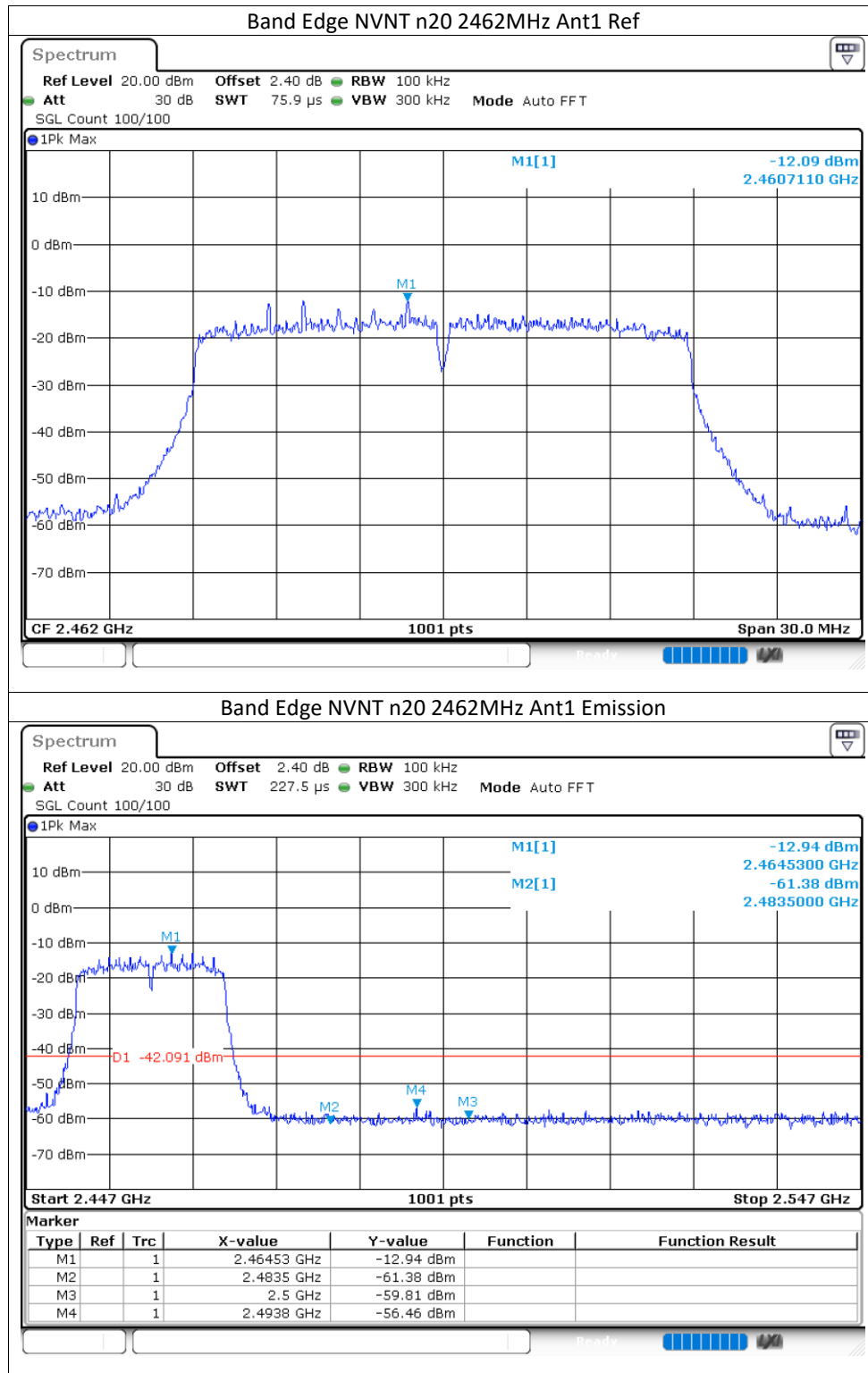


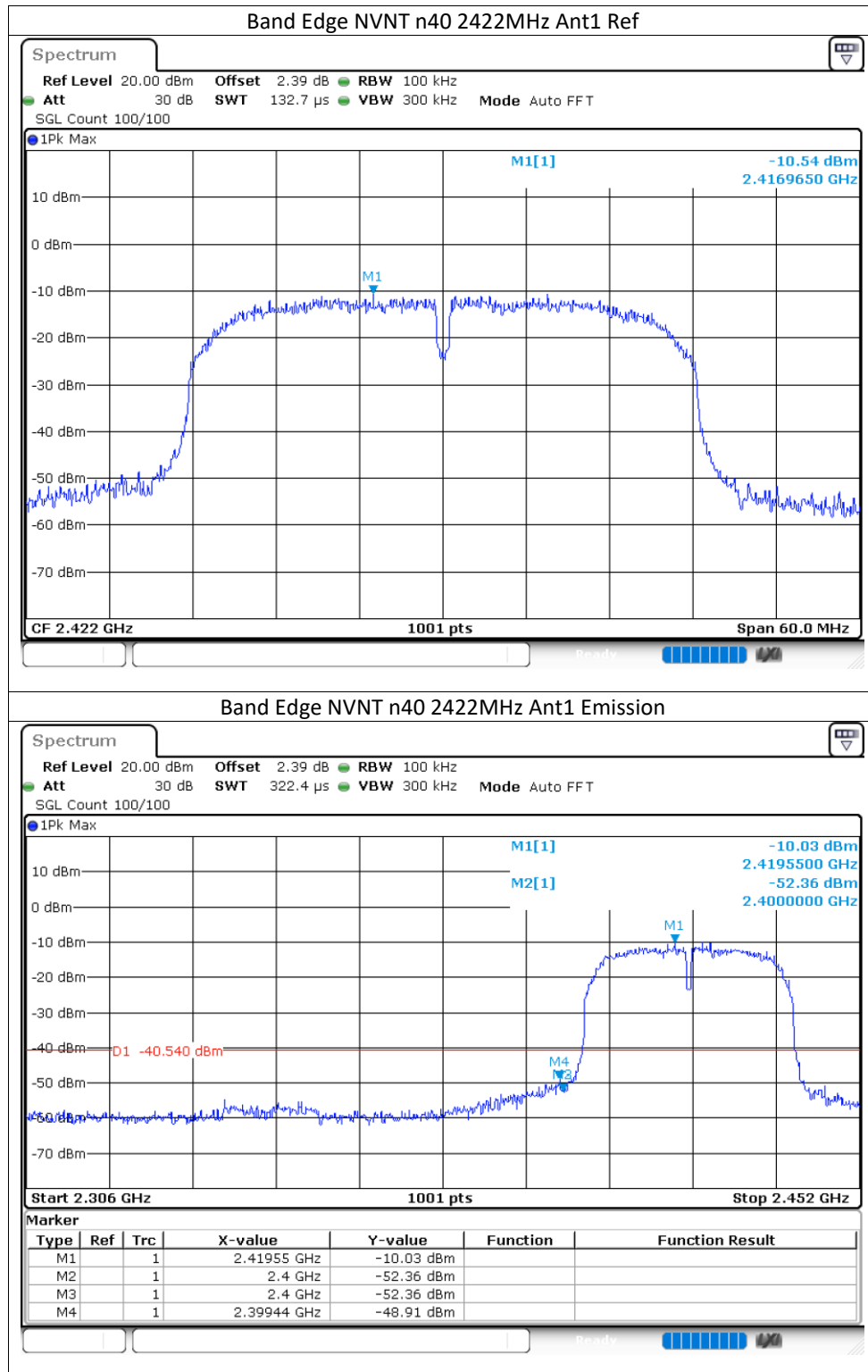


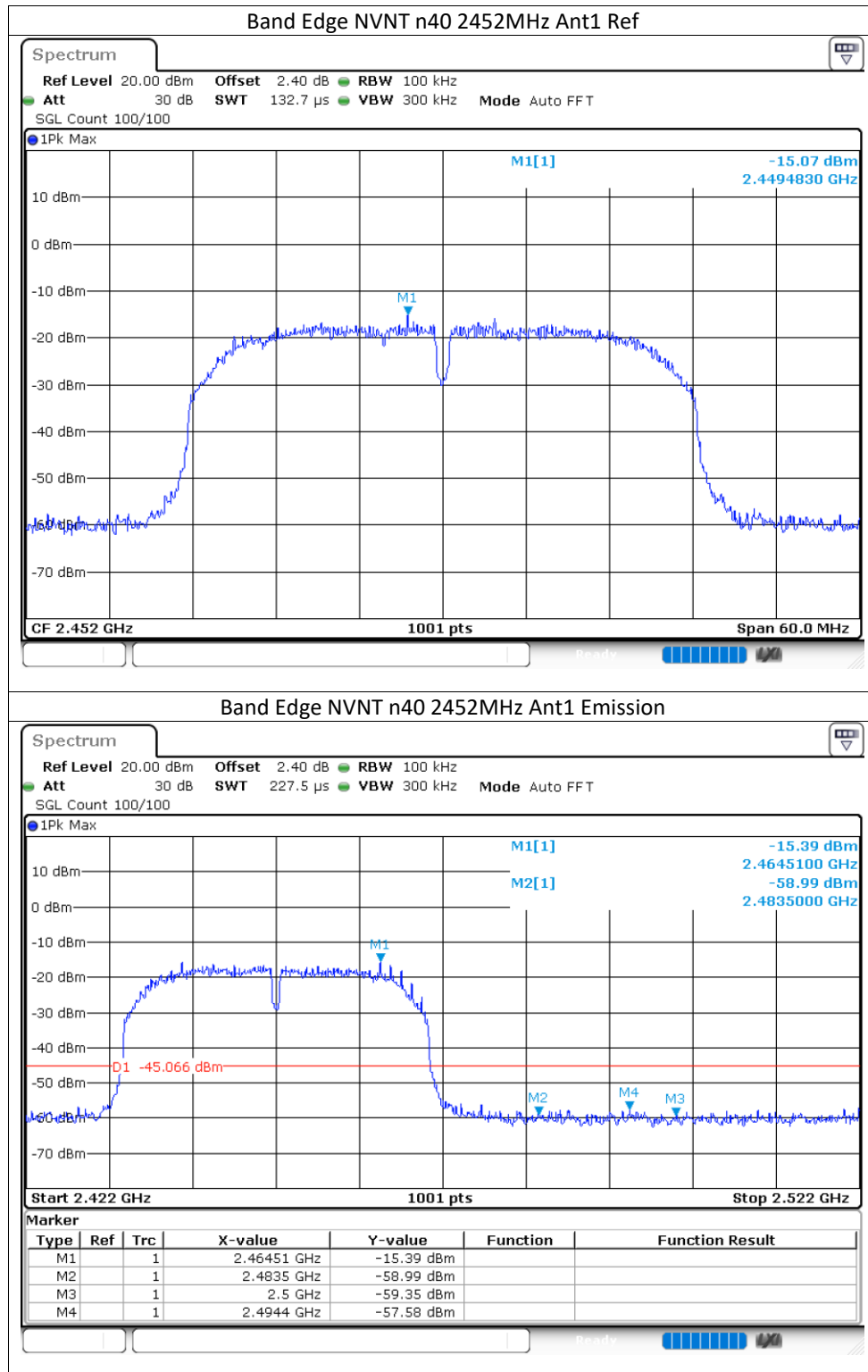


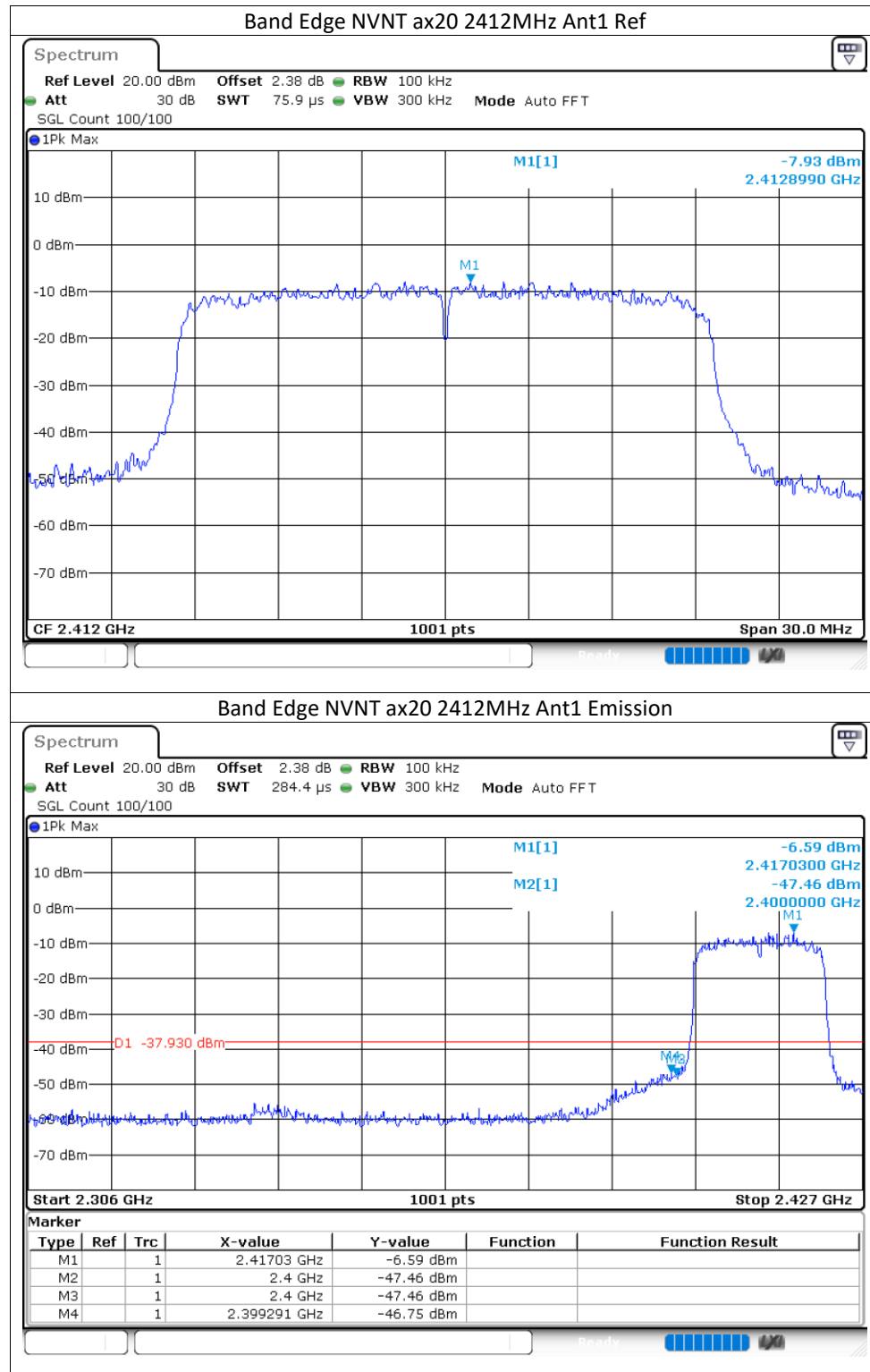


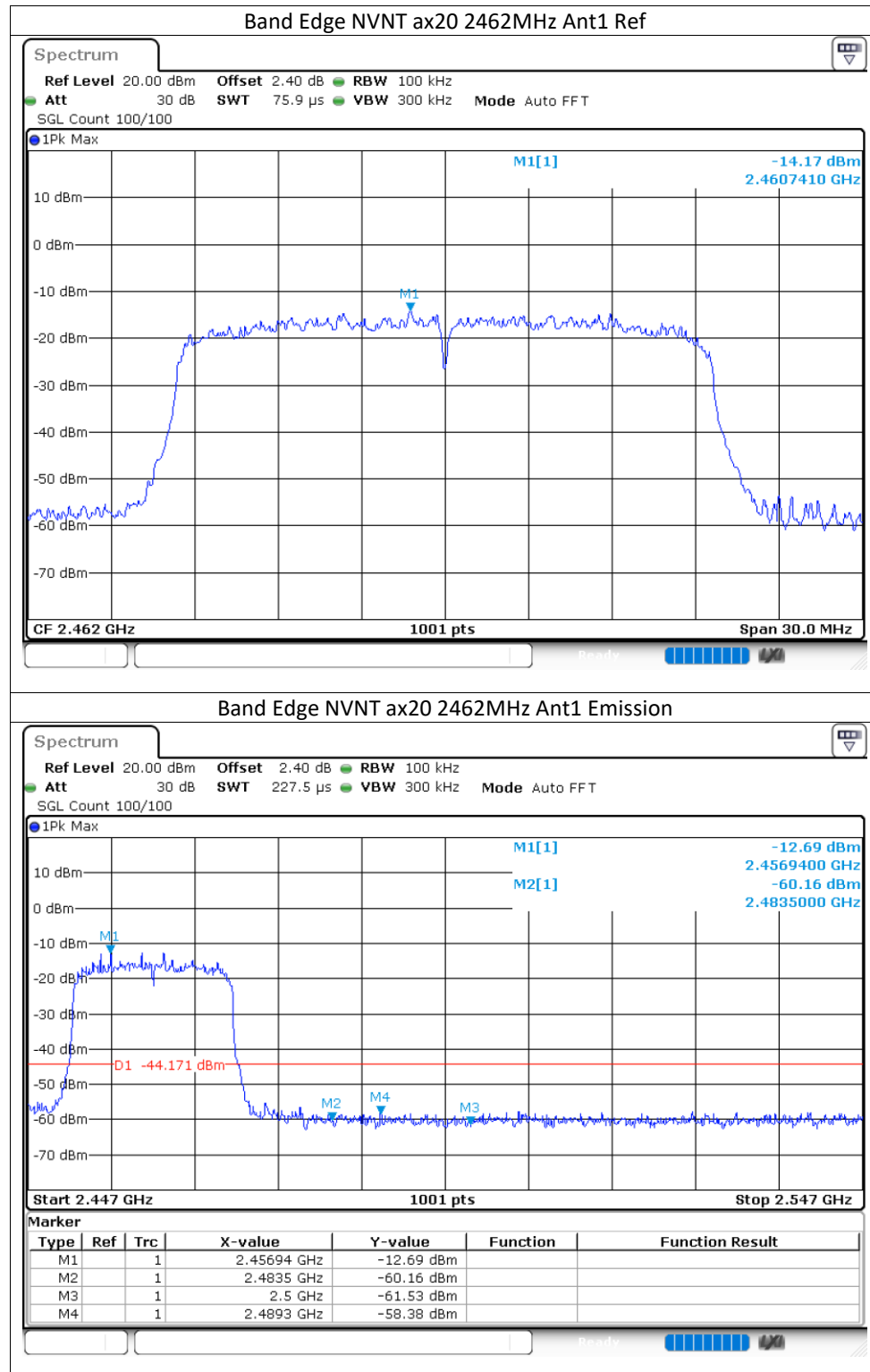












Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

4.5 Out of Band Radiated Emissions (for emissions in 4.4 above that are less than 30dB below carrier), FCC Rule 15.247(d):

For out of band emissions that are close to or that exceed the 30dB attenuation requirement described in the specification, radiated measurements were performed at a 3m separation distance to determine whether these emissions complied with the general radiated emission requirement.

☒ Not required, since all emissions are more than 30dB below fundamental

☐ See attached data sheet

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

4.6 Transmitter Radiated Emissions in Restricted Bands, FCC Rule 15.35(b) (c):

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

4.7 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD$$

Where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB/m
- AG = Amplifier Gain in dB
- PD = Pulse Desensitization in dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD$$

Example

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB/m and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB. The net field strength for comparison to the appropriate emission limit is 42 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

$$RA = 62.0 \text{ dB}\mu\text{V}$$

$$AF = 7.4 \text{ dB/m}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$PD = 0 \text{ dB}$$

$$FS = 62 + 7.4 + 1.6 - 29 + 0 = 42 \text{ dB}\mu\text{V/m}$$

$$\text{Level in mV/m} = \text{Common Antilogarithm} [(42 \text{ dB}\mu\text{V/m})/20] = 125.9 \mu\text{V/m}$$

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Model: EF-TX-288P

4.8 Radiated Spurious Emission

Worst Case Radiated Spurious Emission
at 2483.5MHz
is passed by 3.12 dB margin.

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

Radiated Emissions (9kHz to 30MHz)

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

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

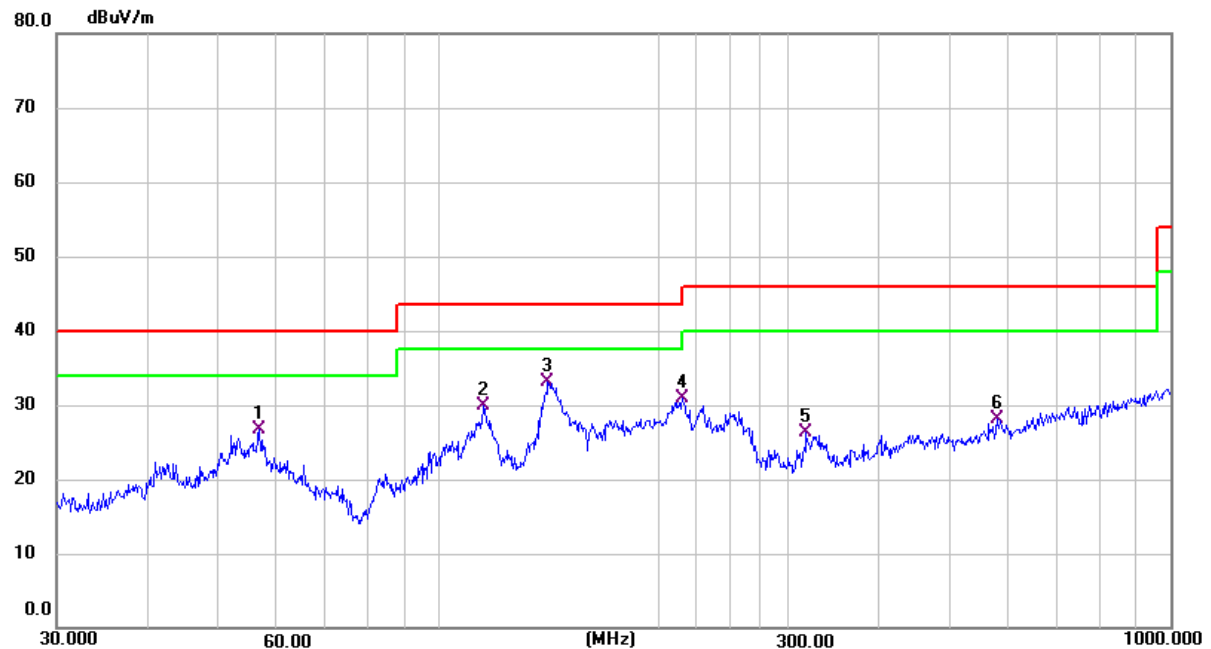
Worst Case Test Voltage: DC 14.4 V

Model: EF-TX-288P

Transmitting (802.11b-Low Channel 2412MHz)

Radiated Emissions (30MHz to 1GHz)

ANT Polarity: Horizontal



Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
56.7917	7.47	19.23	26.70	40.00	-13.30	QP
114.9168	12.48	17.35	29.83	43.50	-13.67	QP
140.8350	18.85	14.26	33.11	43.50	-10.39	QP
215.2678	13.35	17.59	30.94	43.50	-12.56	QP
317.7010	5.98	20.38	26.36	46.00	-19.64	QP
578.6700	2.89	25.30	28.19	46.00	-17.81	QP

Remark:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Level (dBμV/m) = Factor (dB/m) + Reading (dBμV)
3. Margin (dB) = Limit (dBμV/m) – Level (dBμV/m)

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

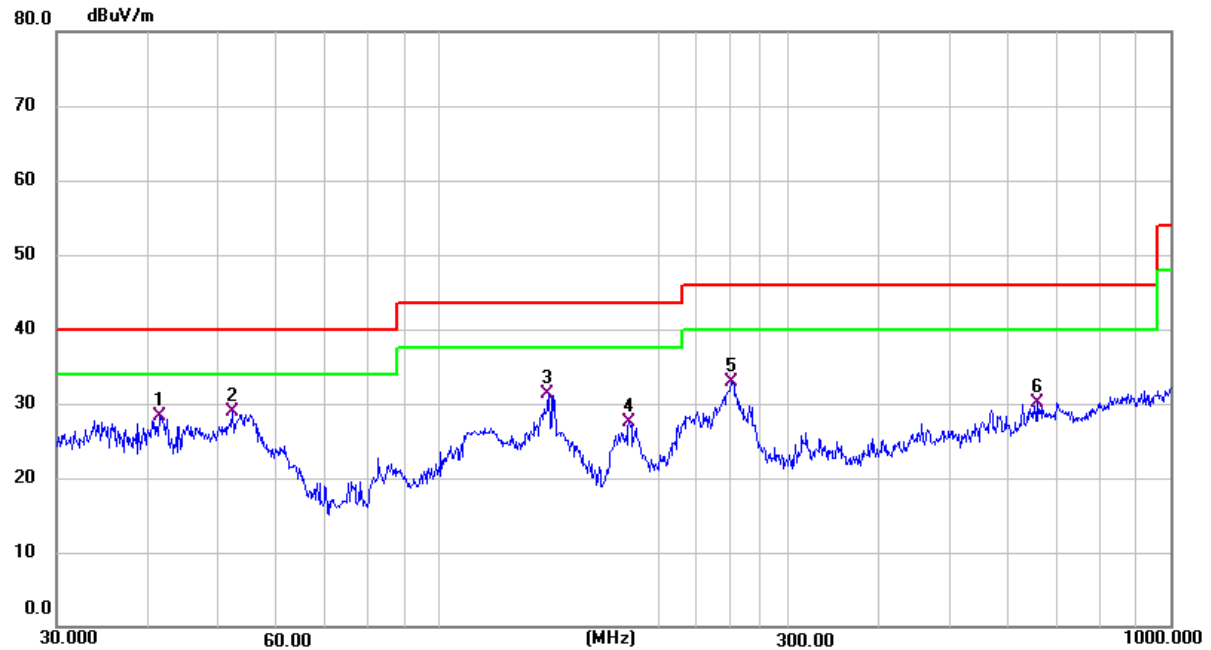
Worst Case Test Voltage: DC 14.4 V

Model: EF-TX-288P

Transmitting (802.11b-Low Channel 2412MHz)

Radiated Emissions (30MHz to 1GHz)

ANT Polarity: Vertical



Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
41.4215	9.38	18.97	28.35	40.00	-11.65	QP
52.2077	9.01	19.92	28.93	40.00	-11.07	QP
141.3296	16.99	14.22	31.21	43.50	-12.29	QP
181.9201	11.31	16.13	27.44	43.50	-16.06	QP
251.1803	13.90	19.04	32.94	46.00	-13.06	QP
656.5300	3.76	26.42	30.18	46.00	-15.82	QP

Remark:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

2. Level (dBμV/m) = Factor (dB/m) + Reading (dBμV)

3. Margin (dB) = Limit (dBμV/m) – Level (dBμV/m)

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11b-Low Channel 2412MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	59.91	-7.31	52.60	74.00	-21.40	peak
Horizontal	4824.000	51.58	-6.95	44.63	74.00	-29.37	peak
Horizontal	7236.000	49.50	-2.59	46.91	74.00	-27.09	peak
Horizontal	9648.000	48.58	0.70	49.28	74.00	-24.72	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	50.79	-7.31	43.48	54.00	-10.52	AVG
Horizontal	4824.000	44.03	-6.95	37.08	54.00	-16.92	AVG
Horizontal	7236.000	41.56	-2.59	38.97	54.00	-15.03	AVG
Horizontal	9648.000	40.89	0.70	41.59	54.00	-12.41	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11b-Middle Channel 2437MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4873.875	53.79	-7.16	46.63	74.00	-27.37	peak
Horizontal	5613.375	52.57	-5.83	46.74	74.00	-27.26	peak
Horizontal	7326.550	50.82	-2.03	48.79	74.00	-25.21	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.300	48.45	-7.16	41.29	54.00	-12.71	AVG
Horizontal	5587.025	44.83	-5.84	38.99	54.00	-15.01	AVG
Horizontal	7326.550	43.11	-2.03	41.08	54.00	-12.92	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11b-High Channel 2462MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	59.00	-0.38	58.62	74.00	-15.38	peak
Horizontal	4924.000	53.65	-6.76	46.89	74.00	-27.11	peak
Horizontal	7386.000	51.56	-2.63	48.93	74.00	-25.07	peak
Horizontal	9848.000	51.80	1.08	52.88	74.00	-21.12	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	48.17	-0.38	47.79	54.00	-6.21	AVG
Horizontal	4924.000	45.70	-6.76	38.94	54.00	-15.06	AVG
Horizontal	7386.000	44.54	-2.63	41.91	54.00	-12.09	AVG
Horizontal	9848.000	43.49	1.08	44.57	54.00	-9.43	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11g- Low Channel 2412MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	57.87	-1.31	56.56	74.00	-17.44	peak
Horizontal	4824.000	52.92	-6.95	45.97	74.00	-28.03	peak
Horizontal	7236.000	51.48	-2.59	48.89	74.00	-25.11	peak
Horizontal	9648.000	47.33	0.70	48.03	74.00	-25.97	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	47.96	-1.31	46.65	54.00	-7.35	AVG
Horizontal	4824.000	46.78	-6.95	39.83	54.00	-14.17	AVG
Horizontal	7236.000	44.14	-2.59	41.55	54.00	-12.45	AVG
Horizontal	9648.000	40.20	0.70	40.90	54.00	-13.10	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11g- Middle Channel 2437MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	52.21	-7.16	45.05	74.00	-28.95	peak
Horizontal	7311.000	48.26	-2.20	46.06	74.00	-27.94	peak
Horizontal	9748.000	48.82	0.32	49.14	74.00	-24.86	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	44.43	-7.16	37.27	54.00	-16.73	AVG
Horizontal	7311.000	41.46	-2.20	39.26	54.00	-14.74	AVG
Horizontal	9748.000	41.58	0.32	41.90	54.00	-12.10	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11g- High Channel 2462MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	64.73	-0.38	64.35	74.00	-9.65	peak
Horizontal	4924.000	53.53	-6.76	46.77	74.00	-27.23	peak
Horizontal	7386.000	51.92	-2.63	49.29	74.00	-24.71	peak
Horizontal	9848.000	47.30	1.08	48.38	74.00	-25.62	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	51.26	-0.38	50.88	54.00	-3.12	AVG
Horizontal	4924.000	45.70	-6.76	38.94	54.00	-15.06	AVG
Horizontal	7386.000	45.29	-2.63	42.66	54.00	-11.34	AVG
Horizontal	9848.000	40.20	1.08	41.28	54.00	-12.72	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11n20- Low Channel 2412MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	67.98	-1.31	66.67	74.00	-7.33	peak
Horizontal	4824.000	53.69	-6.95	46.74	74.00	-27.26	peak
Horizontal	7236.000	51.75	-2.59	49.16	74.00	-24.84	peak
Horizontal	9648.000	52.41	0.70	53.11	74.00	-20.89	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	51.88	-1.31	50.57	54.00	-3.43	AVG
Horizontal	4824.000	46.14	-6.95	39.19	54.00	-14.81	AVG
Horizontal	7236.000	44.21	-2.59	41.62	54.00	-12.38	AVG
Horizontal	9648.000	44.52	0.70	45.22	54.00	-8.78	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11n20- Middle Channel 2437MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	53.68	-7.16	46.52	74.00	-27.48	peak
Horizontal	7311.000	52.89	-2.20	50.69	74.00	-23.31	peak
Horizontal	9748.000	52.43	0.32	52.75	74.00	-21.25	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	47.88	-7.16	40.72	54.00	-13.28	AVG
Horizontal	7311.000	43.02	-2.20	40.82	54.00	-13.18	AVG
Horizontal	9748.000	44.78	0.32	45.10	54.00	-8.90	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11n20- High Channel 2462MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	66.66	-0.38	66.28	74.00	-7.72	peak
Horizontal	4924.000	53.20	-6.76	46.44	74.00	-27.56	peak
Horizontal	7386.000	51.60	-2.63	48.97	74.00	-25.03	peak
Horizontal	9848.000	51.91	1.08	52.99	74.00	-21.01	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	50.59	-0.38	50.21	54.00	-3.79	AVG
Horizontal	4924.000	44.81	-6.76	38.05	54.00	-15.95	AVG
Horizontal	7386.000	43.30	-2.63	40.67	54.00	-13.33	AVG
Horizontal	9848.000	44.08	1.08	45.16	54.00	-8.84	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Operating Mode:

Worst Case Test Voltage: DC 14.4 V

Worst Case Model: EF-TX-288P

Transmitting (802.11n40- Low Channel 2422MHz)

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	59.05	-1.31	57.74	74.00	-16.26	peak
Horizontal	4844.000	55.46	-6.88	48.58	74.00	-25.42	peak
Horizontal	7266.000	53.48	-2.67	50.81	74.00	-23.19	peak
Horizontal	9688.000	51.70	0.97	52.67	74.00	-21.33	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	48.85	-1.31	47.54	54.00	-6.46	AVG
Horizontal	4844.000	47.50	-6.88	40.62	54.00	-13.38	AVG
Horizontal	7266.000	45.83	-2.67	43.16	54.00	-10.84	AVG
Horizontal	9688.000	44.08	0.97	45.05	54.00	-8.95	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11n40- Middle Channel 2437MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	54.73	-7.16	47.57	74.00	-26.43	peak
Horizontal	7311.000	52.28	-2.20	50.08	74.00	-23.92	peak
Horizontal	9748.000	53.41	0.32	53.73	74.00	-20.27	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	46.07	-7.16	38.91	54.00	-15.09	AVG
Horizontal	7311.000	44.44	-2.20	42.24	54.00	-11.76	AVG
Horizontal	9748.000	44.75	0.32	45.07	54.00	-8.93	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11n40- High Channel 2452MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	61.66	-0.38	61.28	74.00	-12.72	peak
Horizontal	4904.000	54.07	-7.35	46.72	74.00	-27.28	peak
Horizontal	7356.000	51.21	-1.93	49.28	74.00	-24.72	peak
Horizontal	9808.000	51.97	0.80	52.77	74.00	-21.23	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	51.03	-0.38	50.65	54.00	-3.35	AVG
Horizontal	4904.000	46.41	-7.35	39.06	54.00	-14.94	AVG
Horizontal	7356.000	43.46	-1.93	41.53	54.00	-12.47	AVG
Horizontal	9808.000	43.93	0.80	44.73	54.00	-9.27	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11ax20- Low Channel 2412MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	66.09	-1.31	64.78	74.00	-9.22	peak
Horizontal	4824.000	53.53	-6.95	46.58	74.00	-27.42	peak
Horizontal	7236.000	52.07	-2.59	49.48	74.00	-24.52	peak
Horizontal	9648.000	52.29	0.70	52.99	74.00	-21.01	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2390.000	51.67	-1.31	50.36	54.00	-3.64	AVG
Horizontal	4824.000	44.72	-6.95	37.77	54.00	-16.23	AVG
Horizontal	7236.000	43.91	-2.59	41.32	54.00	-12.68	AVG
Horizontal	9648.000	44.42	0.70	45.12	54.00	-8.88	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11ax20- Middle Channel 2437MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	53.52	-7.16	46.36	74.00	-27.64	peak
Horizontal	7311.000	51.28	-2.20	49.08	74.00	-24.92	peak
Horizontal	9748.000	52.09	0.32	52.41	74.00	-21.59	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	4874.000	45.28	-7.16	38.12	54.00	-15.88	AVG
Horizontal	7311.000	42.93	-2.20	40.73	54.00	-13.27	AVG
Horizontal	9748.000	44.81	0.32	45.13	54.00	-8.87	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Worst Case Model: EF-TX-288P

Worst Case Operating Mode:

Transmitting (802.11ax20- High Channel 2462MHz)

Worst Case Test Voltage: DC 14.4 V

Radiated Emissions (Above 1GHz)

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	66.59	-0.38	66.21	74.00	-7.79	peak
Horizontal	4904.000	54.03	-7.35	46.68	74.00	-27.32	peak
Horizontal	7356.000	51.71	-1.93	49.78	74.00	-24.22	peak
Horizontal	9808.000	51.83	0.80	52.63	74.00	-21.37	peak

Polarization	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Horizontal	2483.500	50.93	-0.38	50.55	54.00	-3.45	AVG
Horizontal	4904.000	46.18	-7.35	38.83	54.00	-15.17	AVG
Horizontal	7356.000	45.05	-1.93	43.12	54.00	-10.88	AVG
Horizontal	9808.000	43.94	0.80	44.74	54.00	-9.26	AVG

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.

Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Model: EF-TX-288P

4.9 Conducted Emission

Worst Case Conducted Emission
at 0.15MHz
is passed by 5.6dB margin.

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: conducted photos.pdf.

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Model: EF-TX-288P

Worst Case Test Voltage: AC 120V60Hz

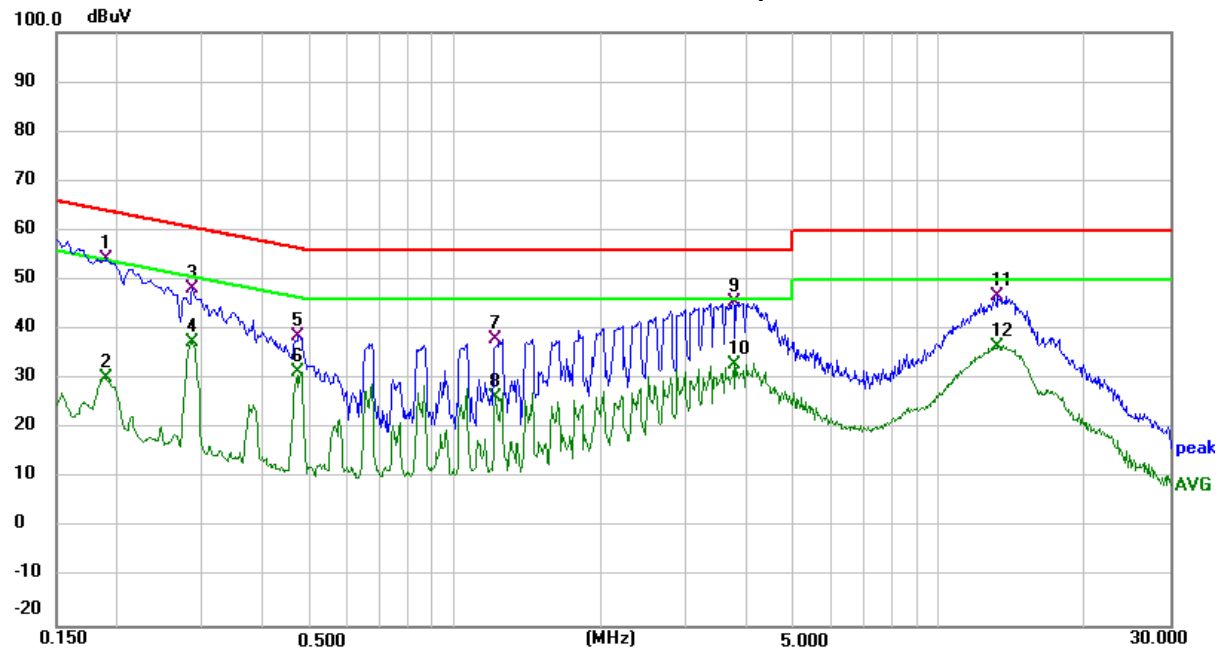
Worst Case Operating Mode: Transmitting (802.11b-Low Channel 2412MHz)

Phase: Live

Graphic / Data Table

Conducted Emissions

Pursuant to FCC 15.207: Emissions Requirement



Limit and Margin QP

Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector
0.1900	44.09	10.02	54.11	64.04	-9.93	QP
0.2860	37.97	10.23	48.20	60.64	-12.44	QP
0.4740	28.17	10.58	38.75	56.44	-17.69	QP
1.2100	25.85	12.12	37.97	56.00	-18.03	QP
3.7620	35.75	9.74	45.49	56.00	-10.51	QP
13.2380	36.89	9.92	46.81	60.00	-13.19	QP

Limit and Margin AV

Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector
0.1900	20.26	10.02	30.28	54.04	-23.76	AVG
0.2860	27.28	10.23	37.51	50.64	-13.13	AVG
0.4740	20.79	10.58	31.37	46.44	-15.07	AVG
1.2100	14.13	12.12	26.25	46.00	-19.75	AVG
3.7620	23.08	9.74	32.82	46.00	-13.18	AVG
13.2380	26.73	9.92	36.65	50.00	-13.35	AVG

Remark:

1. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = Limit (dBμV) – Level (dBμV)

Applicant: EcoFlow Inc.

Date of Test: 22 September 2025

Model: EF-TX-288P

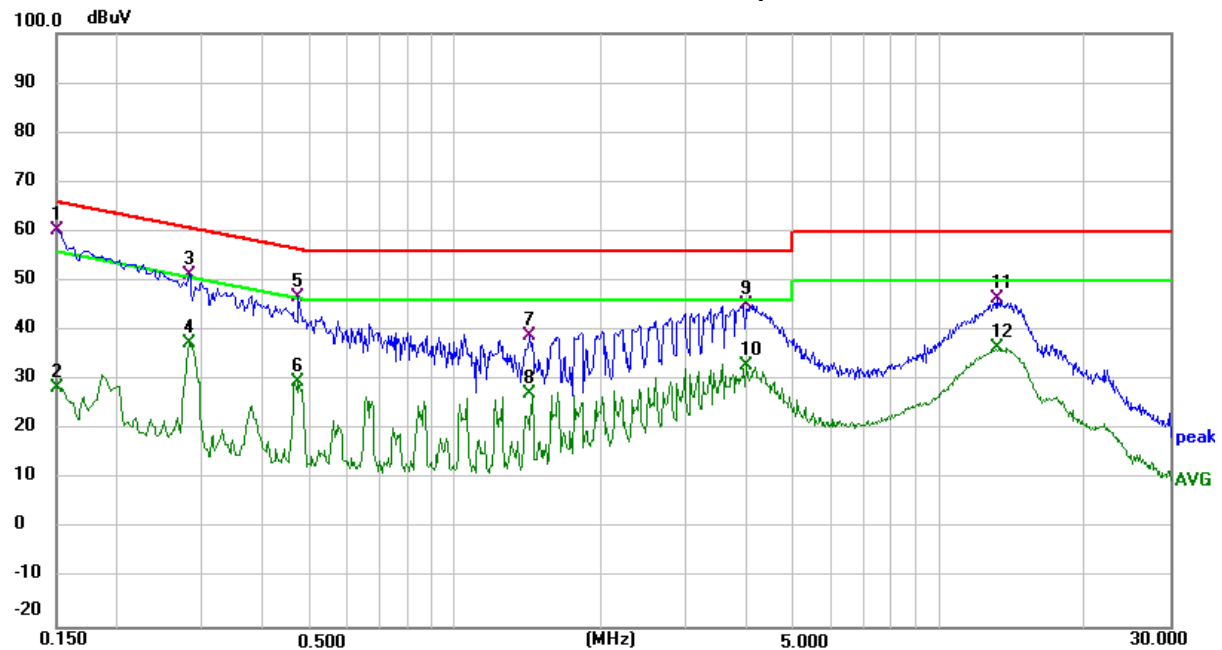
Worst Case Test Voltage: AC 120V60Hz

Worst Case Operating Mode: Transmitting (802.11b-Low Channel 2412MHz)

Phase: Neutral

Graphic / Data Table

Conducted Emissions Pursuant to FCC 15.207: Emissions Requirement



Limit and Margin QP

Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector
0.1500	50.48	9.92	60.40	66.00	-5.60	QP
0.2819	41.02	10.19	51.21	60.76	-9.55	QP
0.4740	36.16	10.57	46.73	56.44	-9.71	QP
1.4260	26.36	12.54	38.90	56.00	-17.10	QP
3.9940	35.54	9.72	45.26	56.00	-10.74	QP
13.1780	36.56	9.94	46.50	60.00	-13.50	QP

Limit and Margin AV

Frequency (MHz)	Reading (dBμV)	Factor (dB)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Detector
0.1500	18.65	9.92	28.57	56.00	-27.43	AVG
0.2819	27.35	10.19	37.54	50.76	-13.22	AVG
0.4740	19.14	10.57	29.71	46.44	-16.73	AVG
1.4260	14.71	12.54	27.25	46.00	-18.75	AVG
3.9940	23.25	9.72	32.97	46.00	-13.03	AVG
13.1780	26.69	9.94	36.63	50.00	-13.37	AVG

Remark:

1. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = Limit (dBμV) – Level (dBμV)

Applicant: EcoFlow Inc.

Model: EF-TX-288P

4.10 Radiated Emissions from Digital Section of Transceiver, FCC Ref: 15.109

☐ Not required - No digital part

☐ Test results are attached

☒ Included in the separated report.

Applicant: EcoFlow Inc.

Model: EF-TX-288P

4.11 Transmitter Duty Cycle Calculation and Measurements, FCC Rule 15.35(b), (c)

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
x	Not applicable, duty cycle was not used.

5.0 Equipment Photographs

For electronic filing, the photographs are saved with filename: external photos.pdf & internal photos.pdf.

6.0 Product Labeling

For electronic filing, the FCC ID label artwork and location is saved with filename: label.pdf.

7.0 Technical Specifications

For electronic filing, the block diagram and circuit diagram are saved with filename: block.pdf and circuit.pdf respectively.

8.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

9.0 Confidentiality Request

For electronic filing, the confidentiality request of the tested EUT is saved with filename: request.pdf.

10.0 Discussion of Pulse Desensitization

The determination of pulse desensitivity was made in accordance with Hewlett Packard Application Note 150-2, *Spectrum Analysis ... Pulsed RF*.

Pulse desensitivity is not applicable for this device since the transmitter transmits the RF signal continuously.

11.0 Test Equipment List

Radiated Emissions & RF Conducted Test equipment

Equip No.	Description	Manufacturer	Model No.	Cal. Date	Due Date
LES-411-C	3m Anechoic Chamber	N/A	9*6*6	2024/6/18	2027/6/17
LES-342-C	EMI Test Receiver	R&S	ESPI3	2025/7/23	2026/7/22
LES-398-C	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	2025/4/29	2026/4/28
LES-345-C	Cable	Talent Microwave	A81-NMNM-8.5M	2024/4/26	2027/4/25
LES-351-C	Cable	Talent Microwave	A81-NMNM-2M	2024/4/26	2027/4/25
LES-039-C	Pre-Amplifier	EMC	EMC051835SE	2025/4/17	2026/4/16
LES-332-C	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2024/5/18	2027/5/17
LES-046-C	Spectrum Analyzer	Agilent	E4440A	2025/4/24	2026/4/23
LES-063-C	Filter	TRILTHIC	2400MHz	2024/4/26	2027/4/25
LES-236-C	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	2024/5/12	2027/5/11
LES-235-C	Cable	Keysight	A40-KMKM-8M	2024/4/26	2027/4/25
LES-234-C	Cable	Keysight	A40-2/92M2/92M-2M	2024/4/26	2027/4/25
LES-332-C	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2024/5/18	2027/5/17
LES-175-C	Spectrum Analyzer	R&S	FSV40	2025/4/17	2026/4/16
LES-045-C	MXG Vector Signal Generator	Agilent	N5182A	2025/4/17	2026/4/16
LES-486-C	Wideband Radio Communication Tester Specifications	R&S	CMW500	2025/5/6	2026/5/5
LES-037-C	USB RF Power Sensor	DARE	RPR3006W	2025/4/17	2026/4/16
LES-448-C	Filter	COM-MW	k6-2496-2690-10s60100-004	2025/1/2	2028/1/1

AC Conducted Test equipment

Equip No.	Description	Manufacturer	Model No.	Cal. Date	Due Date
LES-021-C	Single Phase LISN	R&S	ENV216	2025/4/17	2026/4/16
LES-008-C	Single Phase LISN	R&S	ENV216	2024/4/25	2027/4/24
LES-076-C	Low Frequency Cable	N/A	R-03	2024/4/25	2027/4/24
LES-075-C	50Ω Coaxial Switch	Anritsu	MP59B	2024/4/26	2027/4/25
LES-001-C	EMI Test Receiver	R&S	ESCI	2025/4/17	2026/4/16

***** End of Report *****