

Appendix for LTE Band 13

Product Name: EcoFlow 4G Dongle SEP
Model No: EF-WM-001

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.17	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.65	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.41	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.53	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.67	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.60	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.57	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.25	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.48	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.46	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.55	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.67	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.51	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.24	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.73	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.53	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.66	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.76	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.73	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.68	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.35	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.46	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.46	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.65	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.72	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.74	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.70	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.55	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.89	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.49	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.88	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.91	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.68	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.84	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.43	PASS

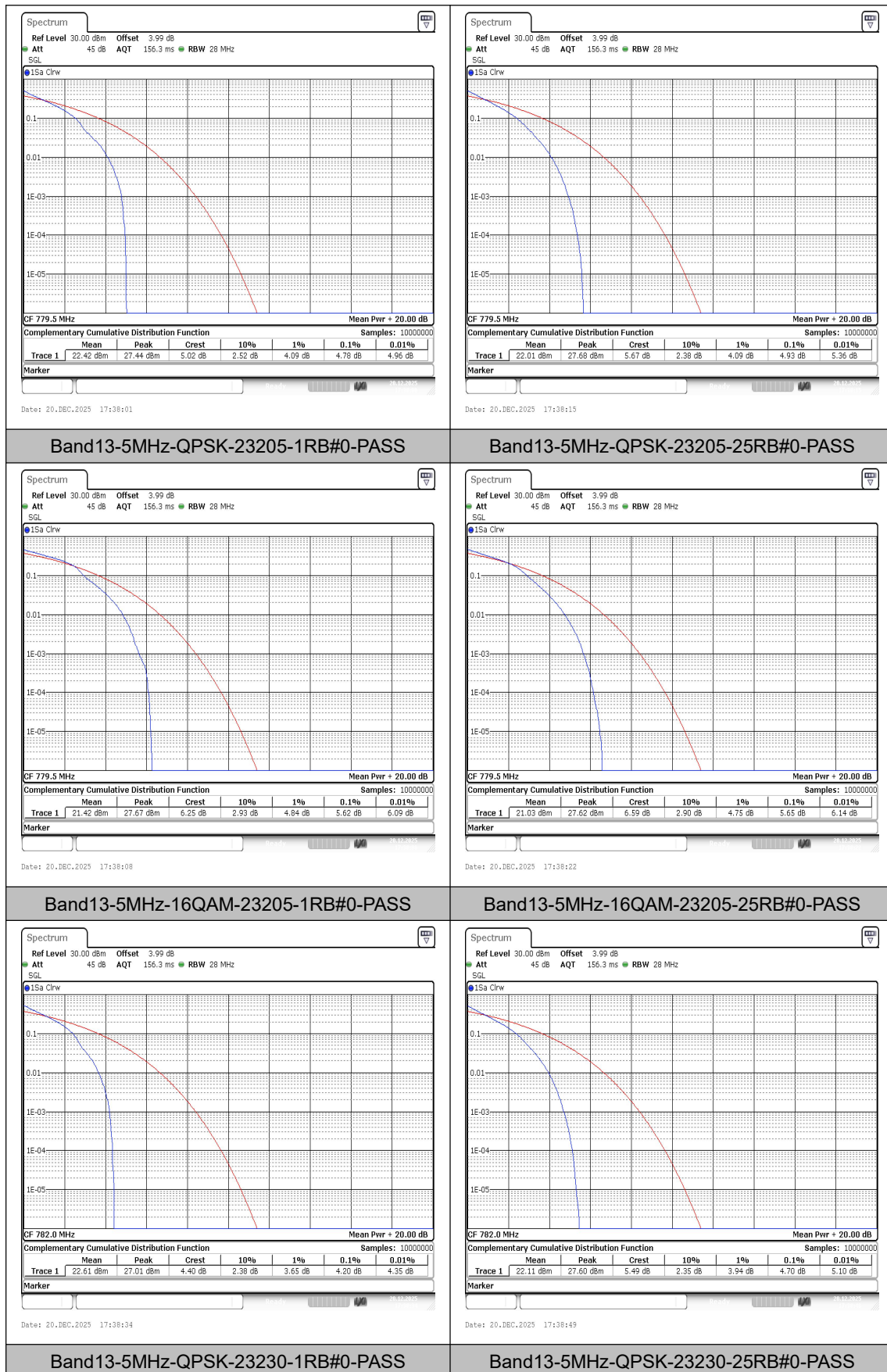
Band13	5MHz	16QAM	23255	1RB#12	22.71	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.18	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.99	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.90	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.78	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.80	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.25	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.53	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.43	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.67	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.79	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.66	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.63	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.20	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.90	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.31	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.69	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.86	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.72	PASS

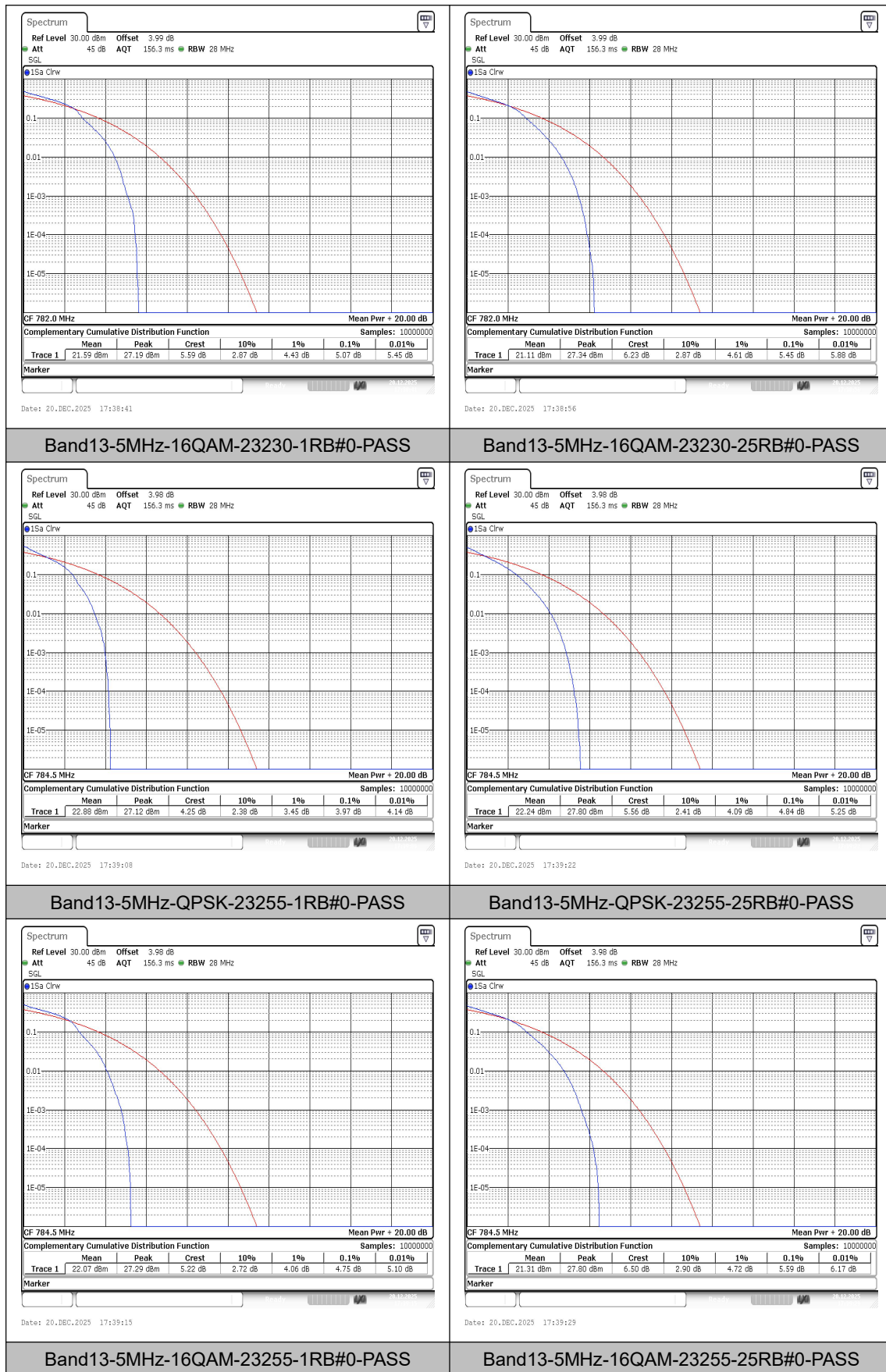
Appendix B: Peak-to-Average Ratio(CCDF)

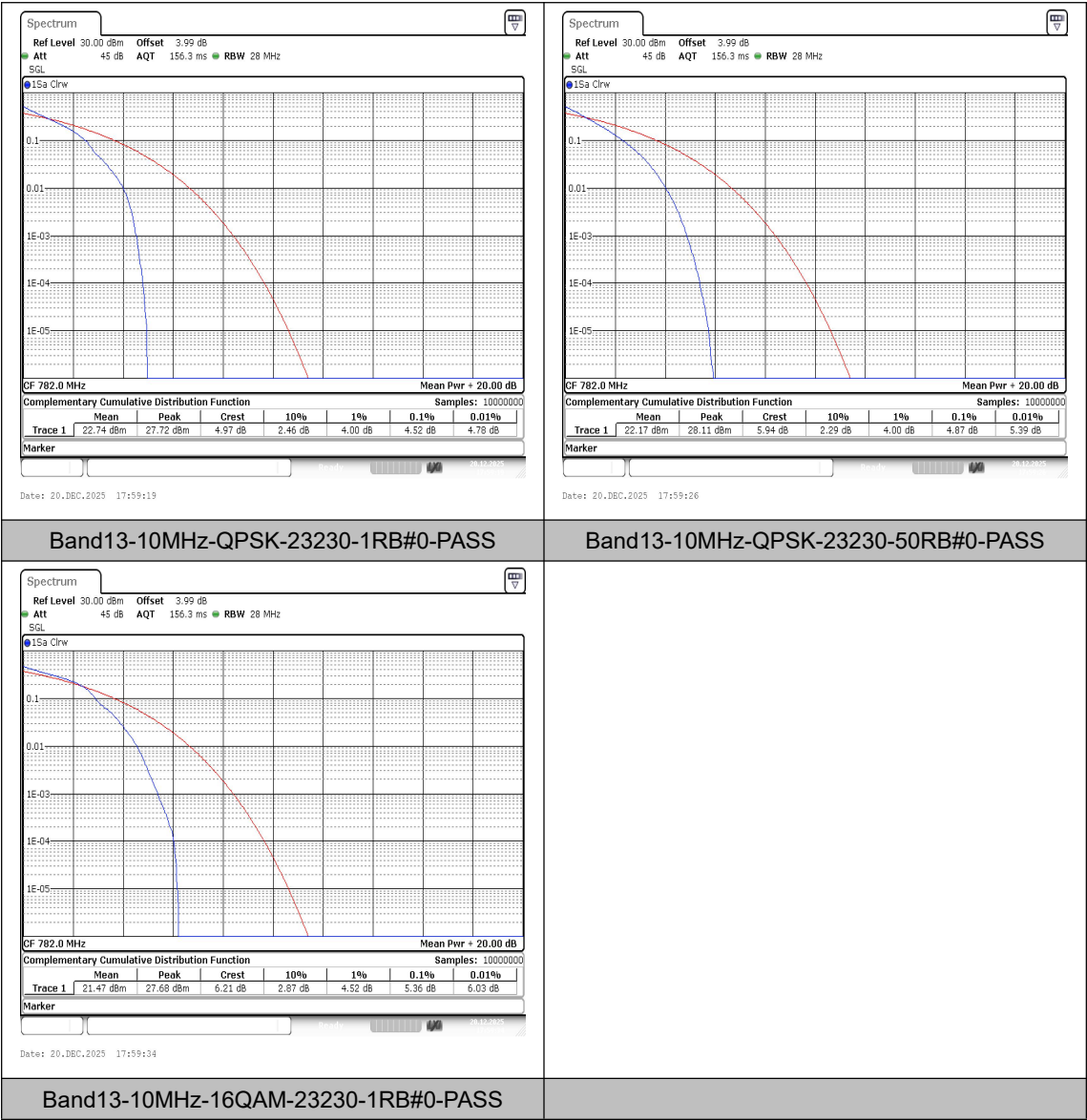
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.78	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.93	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.62	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.65	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.20	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.70	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.07	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.45	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.97	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.84	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.75	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.59	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.52	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.87	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.36	13	PASS

Test Graphs







Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.505	5.09	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.486	5.03	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.505	5.06	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.505	5.03	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.496	4.99	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.505	5.02	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.952	10.13	PASS