

LTE Band2 Test Data

General Description of EUT	
Product Name:	Smartphone
Test Model:	HiBreak
Sample ID:	HC-C-202406-0078-01-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 3.8V
Test Engineer:	ZKN ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202406-0078-35 . The report only show the worst case data.	

Contents

LTE Band2 Test Data1

1: Conducted Output Power Data.....3

 Test Result3

2: Peak-to-Average Ratio(CCDF)9

 Test Result9

 Test Graphs11

3: 26dB Bandwidth and Occupied Bandwidth23

 Test Result23

 Test Graphs24

4: Band Edge30

 Test Result30

 Test Graphs32

5: Conducted Spurious Emission.....44

 Test Result44

 Test Graphs49

6: Frequency Stability79

 Test Result79

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	24.17	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.41	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	24.24	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	24.25	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.24	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.27	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.38	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.13	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.32	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.16	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.17	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.21	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.17	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.26	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	24.27	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.42	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.34	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	24.15	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.14	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	24.15	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.28	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.96	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.10	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.94	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.01	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.01	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.26	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.96	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.14	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.92	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.95	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.94	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.16	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.82	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.99	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.84	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.94	PASS

Band2	1.4MHz	16QAM	19193	3RB#1	22.90	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.94	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.01	PASS
Band2	3MHz	QPSK	18615	1RB#0	24.35	PASS
Band2	3MHz	QPSK	18615	1RB#8	24.40	PASS
Band2	3MHz	QPSK	18615	1RB#14	24.37	PASS
Band2	3MHz	QPSK	18615	8RB#0	23.38	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.40	PASS
Band2	3MHz	QPSK	18615	8RB#7	23.40	PASS
Band2	3MHz	QPSK	18615	15RB#0	23.29	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.21	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.35	PASS
Band2	3MHz	QPSK	18900	1RB#14	24.36	PASS
Band2	3MHz	QPSK	18900	8RB#0	23.19	PASS
Band2	3MHz	QPSK	18900	8RB#4	23.21	PASS
Band2	3MHz	QPSK	18900	8RB#7	23.24	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.18	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.20	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.21	PASS
Band2	3MHz	QPSK	19185	1RB#14	24.22	PASS
Band2	3MHz	QPSK	19185	8RB#0	23.32	PASS
Band2	3MHz	QPSK	19185	8RB#4	23.30	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.27	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.15	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.23	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.27	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.26	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.25	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.30	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.28	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.26	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.99	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.97	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.92	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.15	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.16	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.11	PASS
Band2	3MHz	16QAM	18900	15RB#0	22.07	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.87	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.90	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.94	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.19	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.17	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.14	PASS

Band2	3MHz	16QAM	19185	15RB#0	22.03	PASS
Band2	5MHz	QPSK	18625	1RB#0	24.31	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.52	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.34	PASS
Band2	5MHz	QPSK	18625	12RB#0	23.31	PASS
Band2	5MHz	QPSK	18625	12RB#6	23.34	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.29	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.30	PASS
Band2	5MHz	QPSK	18900	1RB#0	24.07	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.30	PASS
Band2	5MHz	QPSK	18900	1RB#24	24.19	PASS
Band2	5MHz	QPSK	18900	12RB#0	23.17	PASS
Band2	5MHz	QPSK	18900	12RB#6	23.18	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.19	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.15	PASS
Band2	5MHz	QPSK	19175	1RB#0	24.08	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.37	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.26	PASS
Band2	5MHz	QPSK	19175	12RB#0	23.20	PASS
Band2	5MHz	QPSK	19175	12RB#6	23.24	PASS
Band2	5MHz	QPSK	19175	12RB#13	23.13	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.13	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.14	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.33	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.21	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.18	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.21	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.27	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.21	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.10	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.26	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.11	PASS
Band2	5MHz	16QAM	18900	12RB#0	22.23	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.15	PASS
Band2	5MHz	16QAM	18900	12RB#13	22.15	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.18	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.08	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.89	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.19	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.19	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.04	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.18	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.33	PASS

Band2	10MHz	QPSK	18650	1RB#24	24.44	PASS
Band2	10MHz	QPSK	18650	1RB#49	24.25	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.31	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.30	PASS
Band2	10MHz	QPSK	18650	25RB#25	23.34	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.35	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.15	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.39	PASS
Band2	10MHz	QPSK	18900	1RB#49	24.40	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.22	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.18	PASS
Band2	10MHz	QPSK	18900	25RB#25	23.16	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.19	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.17	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.26	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.23	PASS
Band2	10MHz	QPSK	19150	25RB#0	23.29	PASS
Band2	10MHz	QPSK	19150	25RB#12	23.25	PASS
Band2	10MHz	QPSK	19150	25RB#25	23.17	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.21	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.25	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.32	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.32	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.27	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.27	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.29	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.32	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.94	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.14	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.98	PASS
Band2	10MHz	16QAM	18900	25RB#0	22.24	PASS
Band2	10MHz	16QAM	18900	25RB#12	22.25	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.15	PASS
Band2	10MHz	16QAM	18900	50RB#0	22.22	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.02	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.89	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.33	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.30	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.16	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.25	PASS
Band2	15MHz	QPSK	18675	1RB#0	24.32	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.38	PASS
Band2	15MHz	QPSK	18675	1RB#74	24.21	PASS

Band2	15MHz	QPSK	18675	38RB#0	23.51	PASS
Band2	15MHz	QPSK	18675	38RB#18	23.47	PASS
Band2	15MHz	QPSK	18675	38RB#37	23.47	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.53	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.32	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.34	PASS
Band2	15MHz	QPSK	18900	38RB#0	23.39	PASS
Band2	15MHz	QPSK	18900	38RB#18	23.38	PASS
Band2	15MHz	QPSK	18900	38RB#37	23.39	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.36	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.27	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.27	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.22	PASS
Band2	15MHz	QPSK	19125	38RB#0	23.42	PASS
Band2	15MHz	QPSK	19125	38RB#18	23.45	PASS
Band2	15MHz	QPSK	19125	38RB#37	23.37	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.37	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.19	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.34	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.24	PASS
Band2	15MHz	16QAM	18675	38RB#0	23.48	PASS
Band2	15MHz	16QAM	18675	38RB#18	23.48	PASS
Band2	15MHz	16QAM	18675	38RB#37	23.49	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.35	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.12	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.23	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.25	PASS
Band2	15MHz	16QAM	18900	38RB#0	23.38	PASS
Band2	15MHz	16QAM	18900	38RB#18	23.36	PASS
Band2	15MHz	16QAM	18900	38RB#37	23.38	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.30	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.07	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.90	PASS
Band2	15MHz	16QAM	19125	38RB#0	23.43	PASS
Band2	15MHz	16QAM	19125	38RB#18	23.40	PASS
Band2	15MHz	16QAM	19125	38RB#37	23.36	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.35	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.36	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.50	PASS
Band2	20MHz	QPSK	18700	1RB#99	24.07	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.31	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.32	PASS

Band2	20MHz	QPSK	18700	50RB#50	23.33	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.35	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.03	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.44	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.37	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.18	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.21	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.14	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.11	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.27	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.43	PASS
Band2	20MHz	QPSK	19100	1RB#99	24.20	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.28	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.35	PASS
Band2	20MHz	QPSK	19100	50RB#50	23.16	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.28	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.08	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.36	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.09	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.29	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.32	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.39	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.32	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.20	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.46	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.27	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.27	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.29	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.09	PASS
Band2	20MHz	16QAM	18900	100RB#0	22.11	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.05	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.19	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.92	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.37	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.35	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.32	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.35	PASS

2: Peak-to-Average Ratio(CCDF)

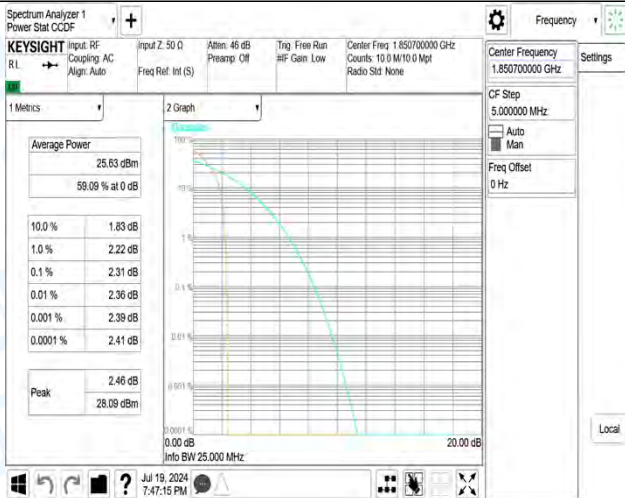
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	2.31	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	3.33	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	2.99	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	3.85	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1.96	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	3.01	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	3.59	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	4.40	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	4.20	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	4.86	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	3.33	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	4.22	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	2.29	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	3.53	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	3.17	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	3.97	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	2.26	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	3.34	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	3.38	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	4.52	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	4.11	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	4.94	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	3.59	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	4.37	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	2.44	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	3.64	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	3.50	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.03	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	3.04	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	3.65	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	3.51	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.59	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	4.40	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.96	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	4.02	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.66	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	2.31	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	3.89	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	3.72	13	PASS

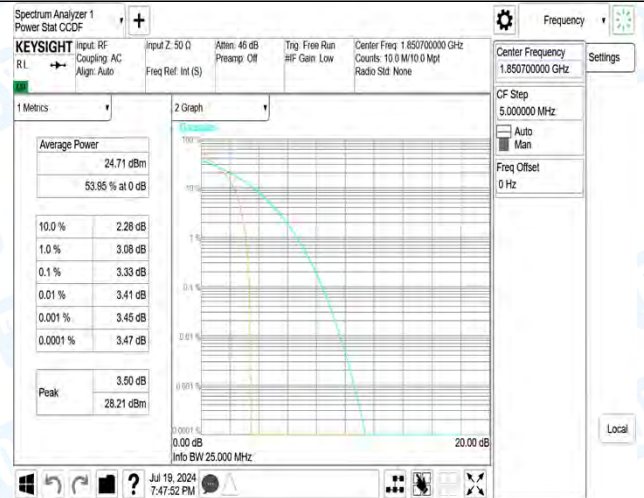
Band2	10MHz	QPSK	18900	50RB#0	4.03	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	3.51	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.21	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	3.40	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	4.80	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	4.75	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.01	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	4.60	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.17	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	2.38	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	4.48	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.12	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	4.31	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	2.98	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.46	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	3.46	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	5.32	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	4.99	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.24	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	4.07	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.37	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	2.44	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.84	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.35	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.69	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	2.22	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.64	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	3.48	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.64	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.30	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.53	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	3.42	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.51	13	PASS

Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0-PASS



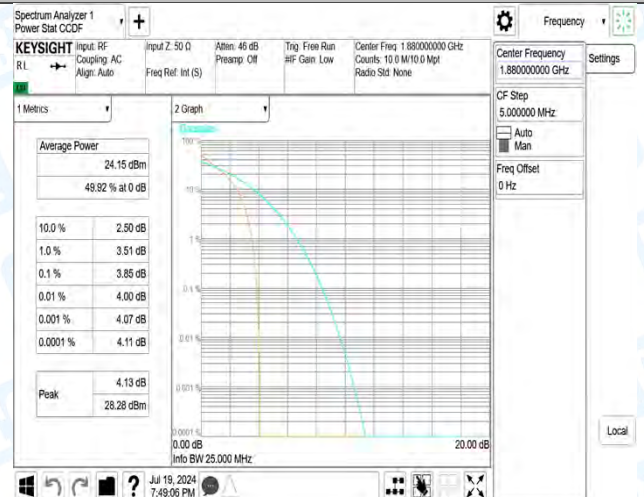
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



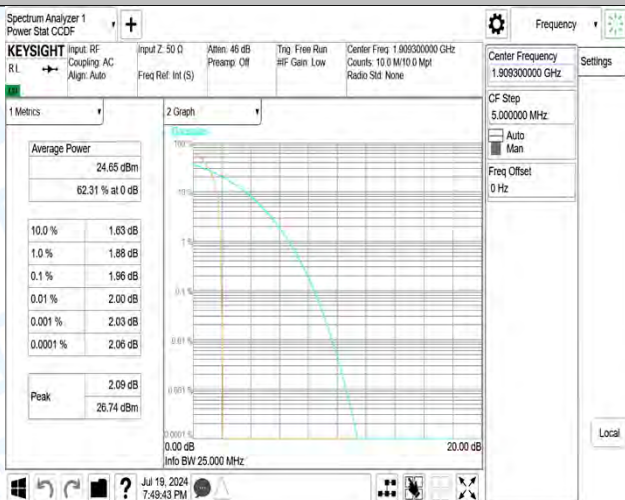
Band2-1.4MHz-QPSK-18900-1RB#0-PASS



Band2-1.4MHz-QPSK-18900-6RB#0-PASS



Band2-1.4MHz-QPSK-19193-1RB#0-PASS

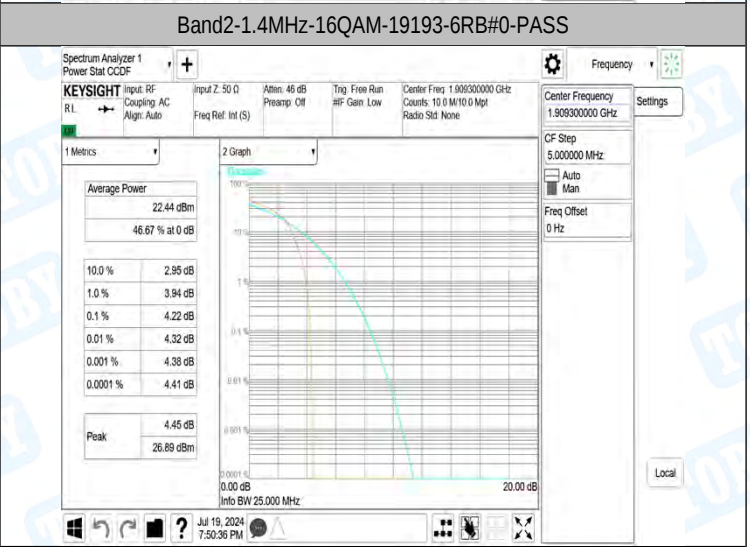
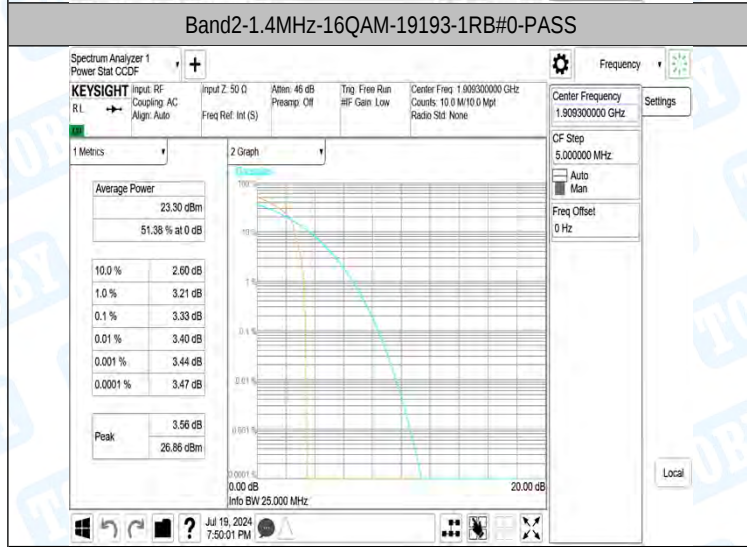
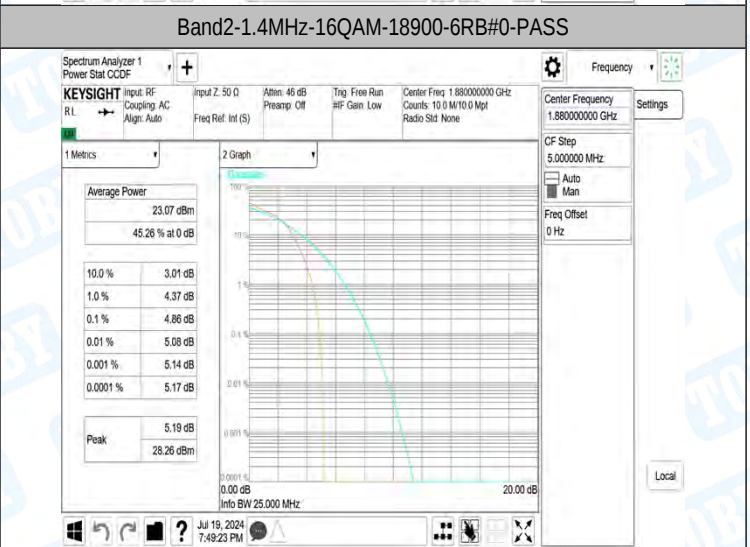
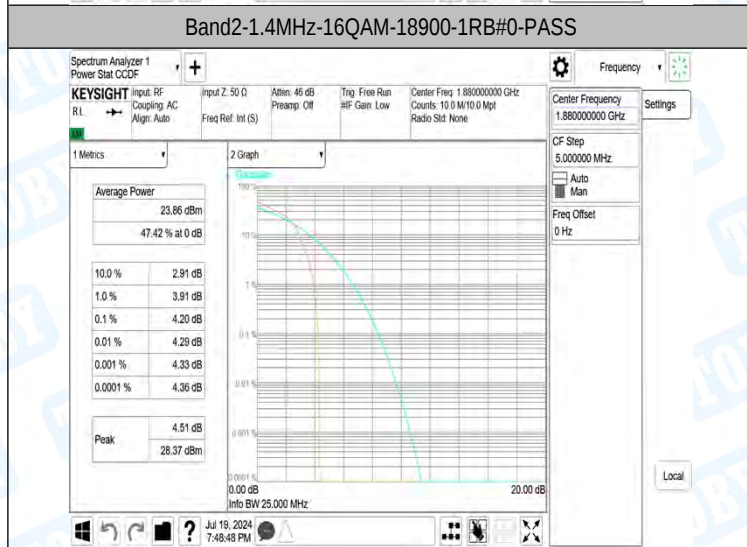
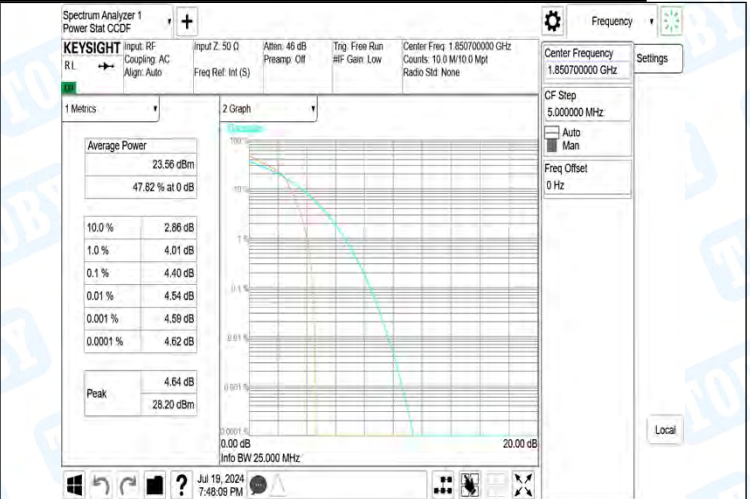


Band2-1.4MHz-QPSK-19193-6RB#0-PASS



Band2-1.4MHz-16QAM-18607-1RB#0-PASS

Band2-1.4MHz-16QAM-18607-6RB#0-PASS

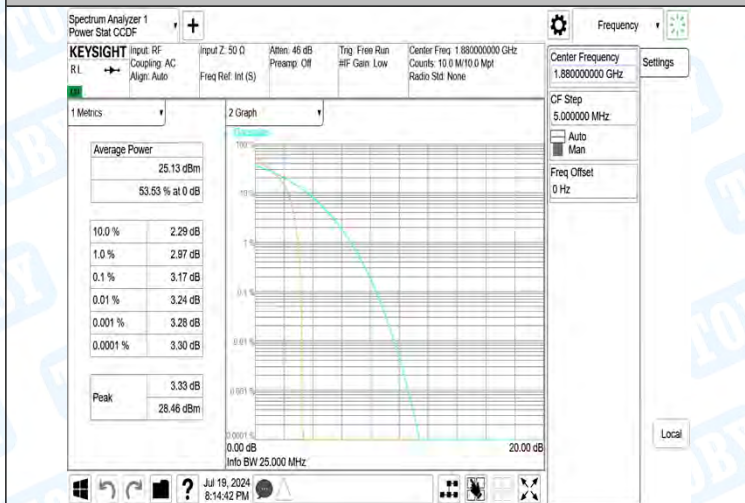




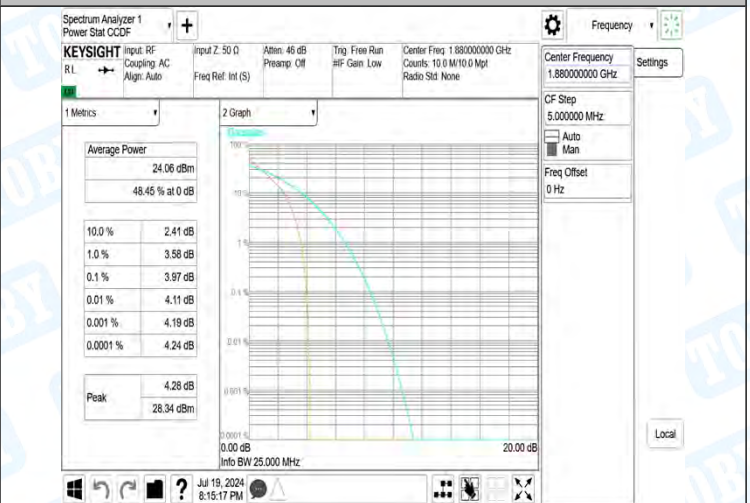
Band2-3MHz-QPSK-18900-1RB#0-PASS



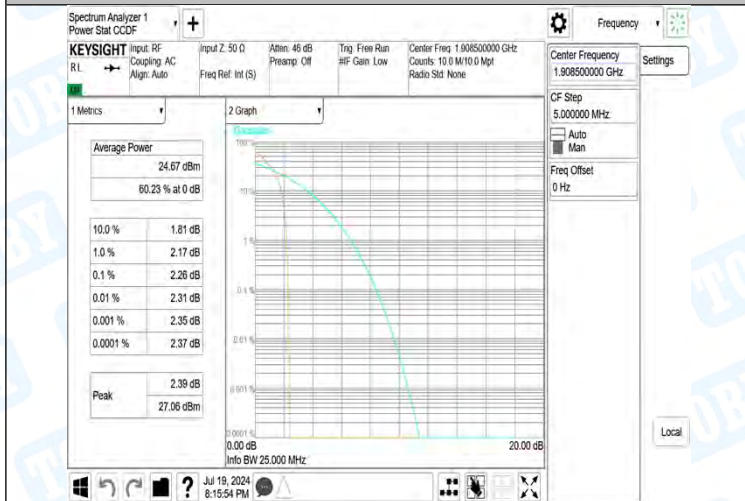
Band2-3MHz-QPSK-18900-15RB#0-PASS



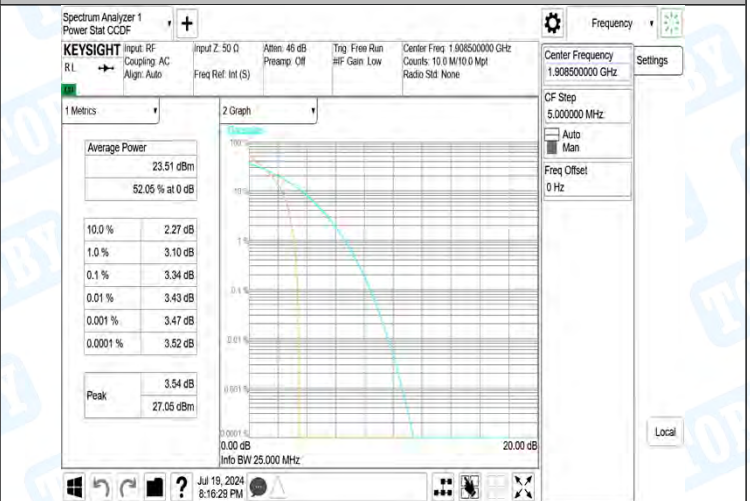
Band2-3MHz-QPSK-19185-1RB#0-PASS



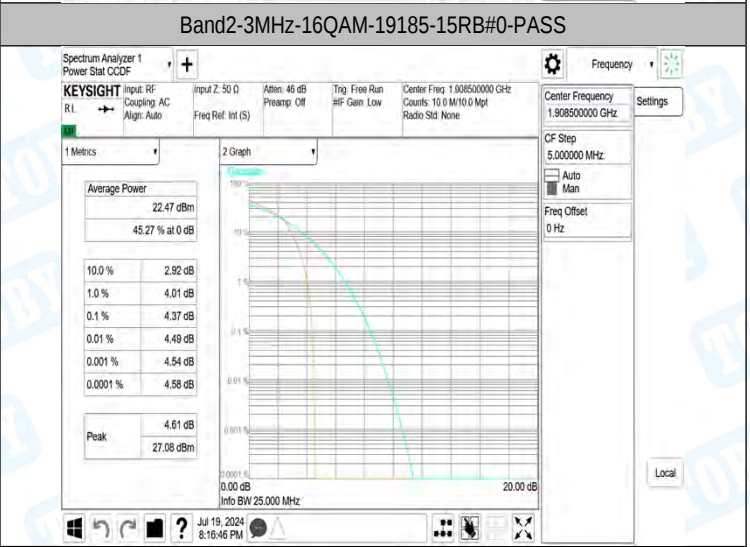
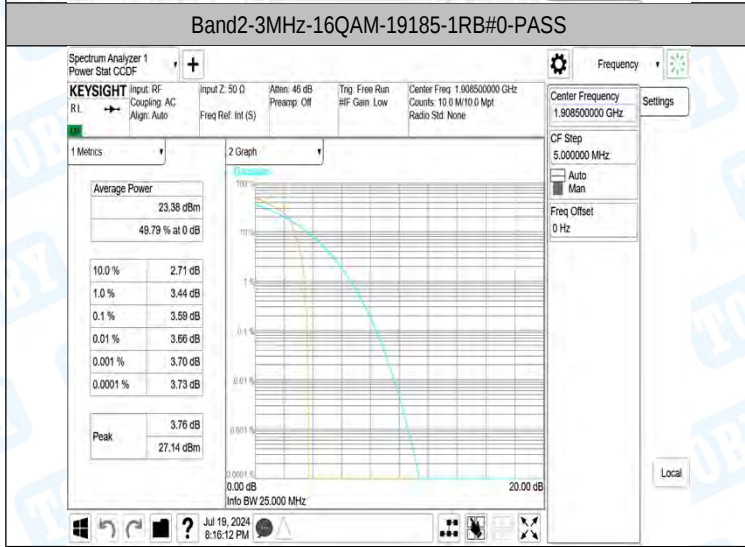
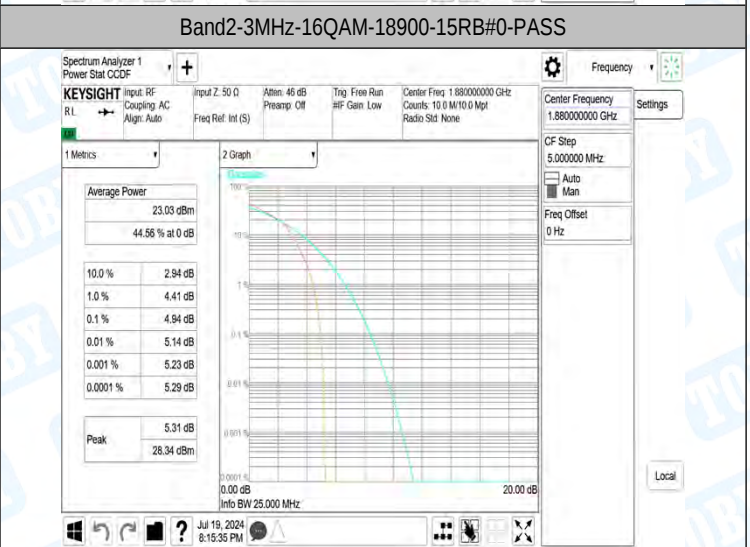
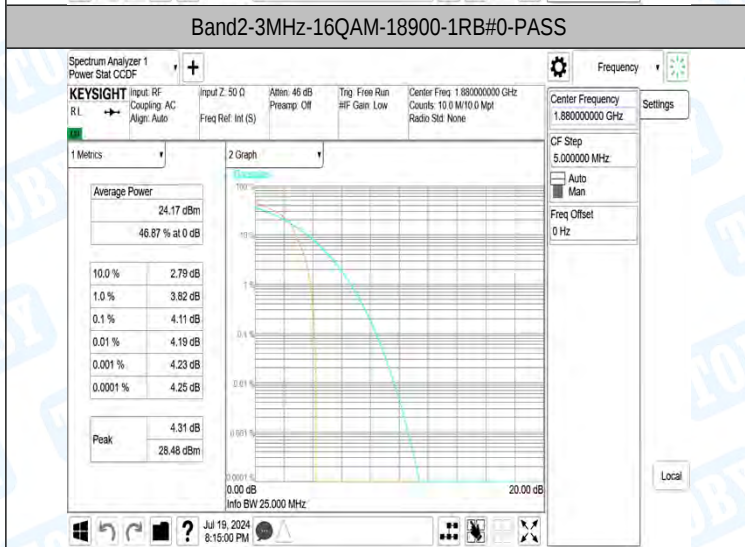
Band2-3MHz-QPSK-19185-15RB#0-PASS



Band2-3MHz-16QAM-18615-1RB#0-PASS



Band2-3MHz-16QAM-18615-15RB#0-PASS

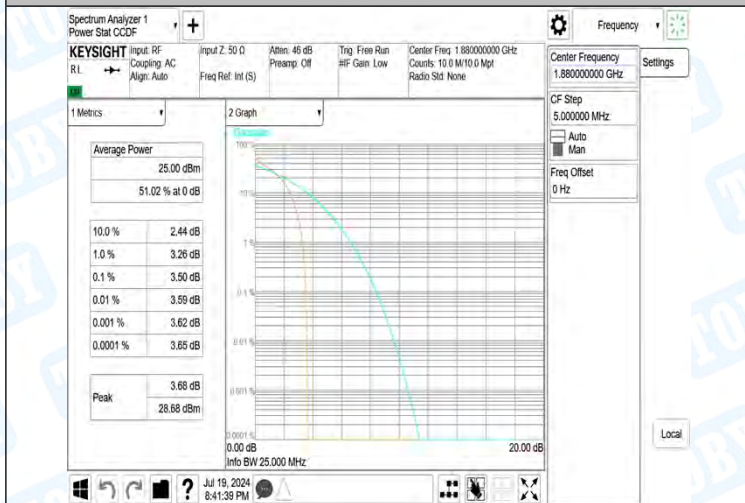




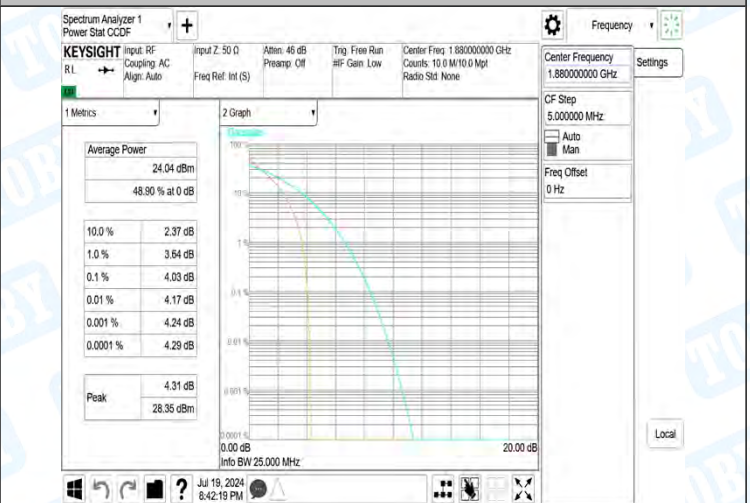
Band2-5MHz-QPSK-18900-1RB#0-PASS



Band2-5MHz-QPSK-18900-25RB#0-PASS



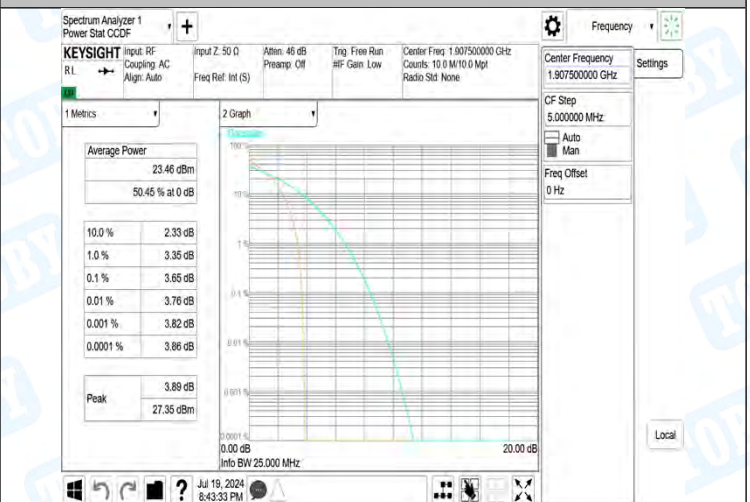
Band2-5MHz-QPSK-19175-1RB#0-PASS



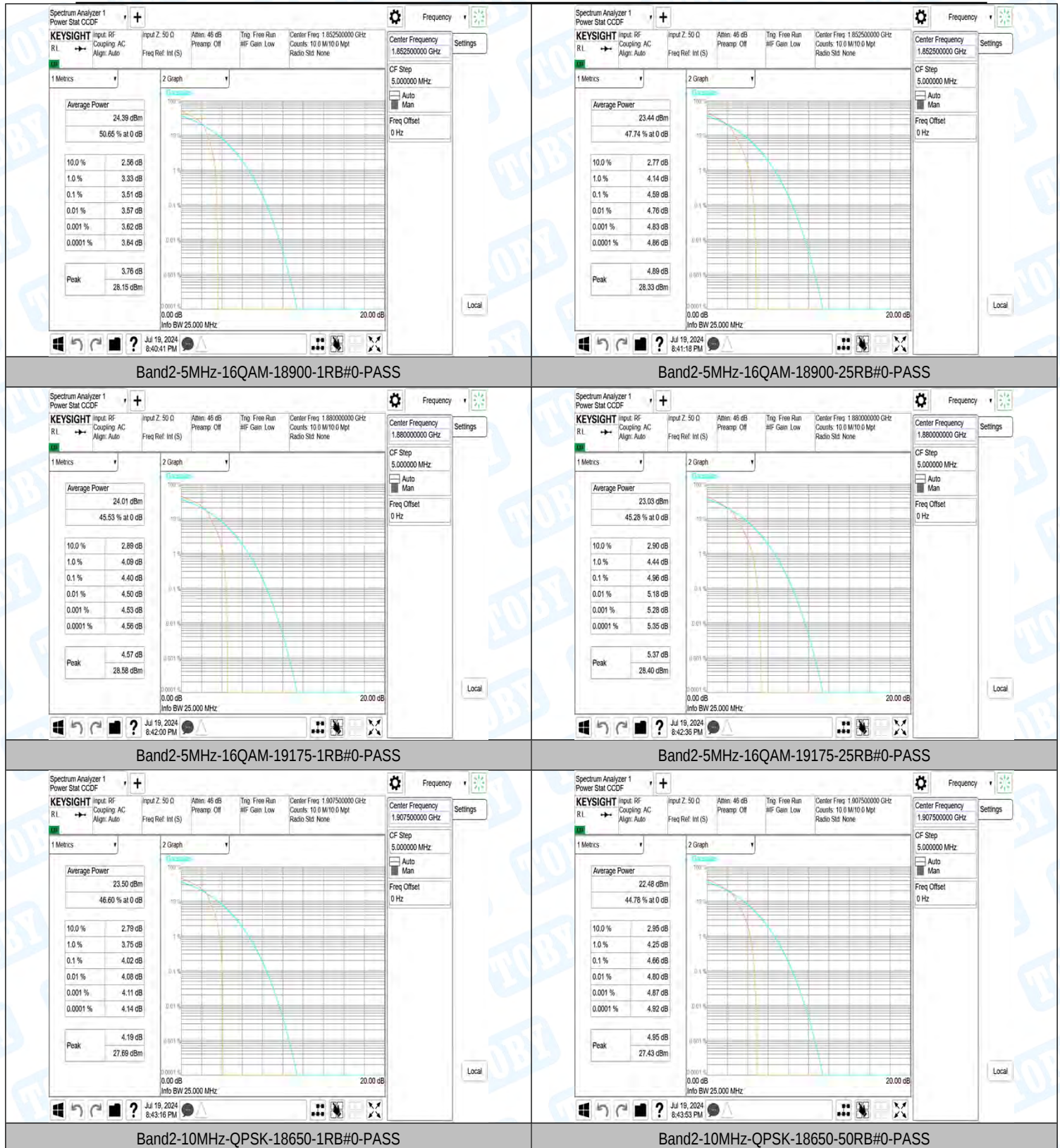
Band2-5MHz-QPSK-19175-25RB#0-PASS

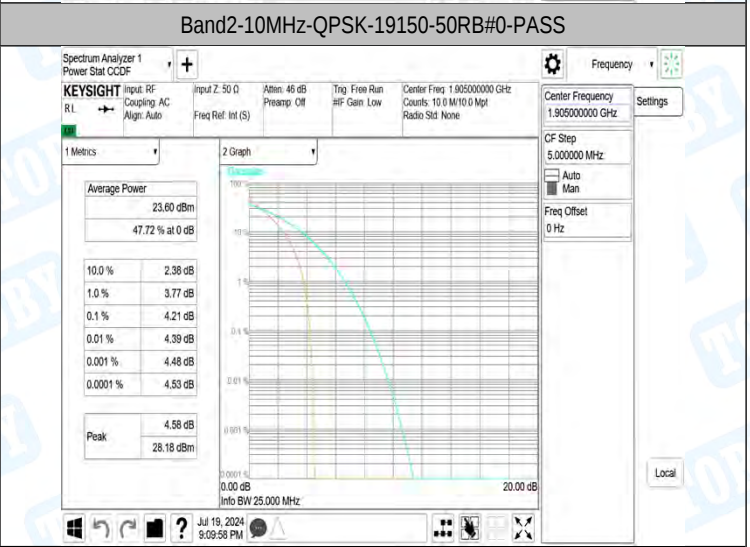
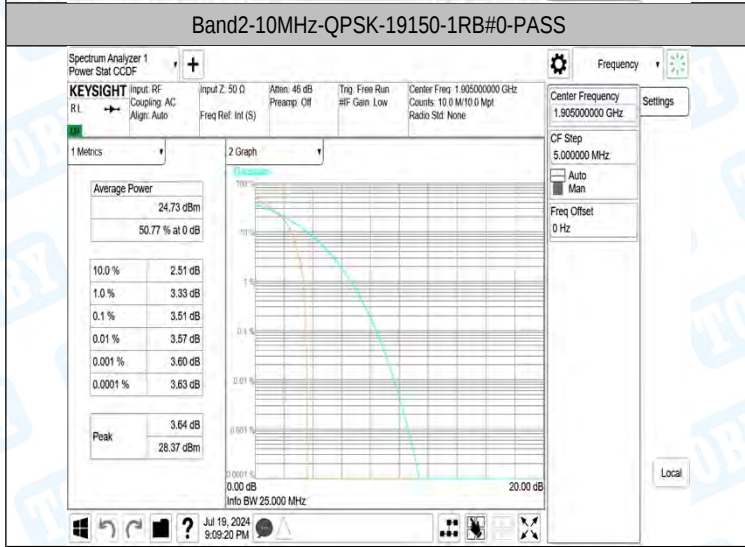
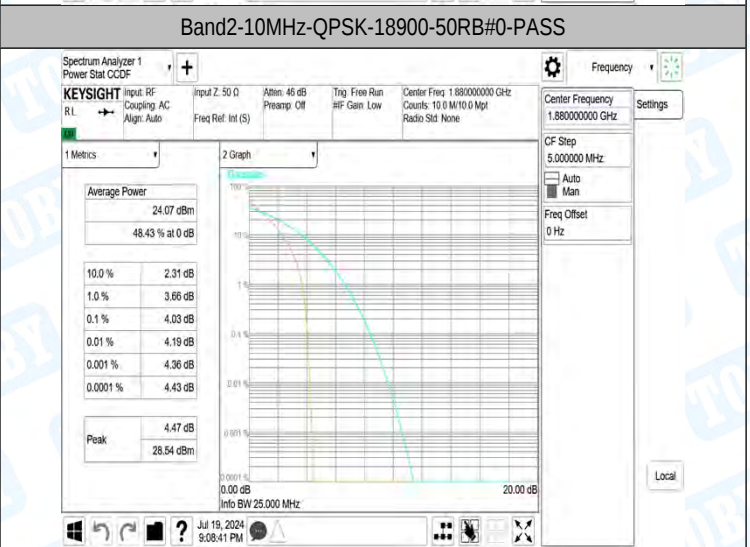
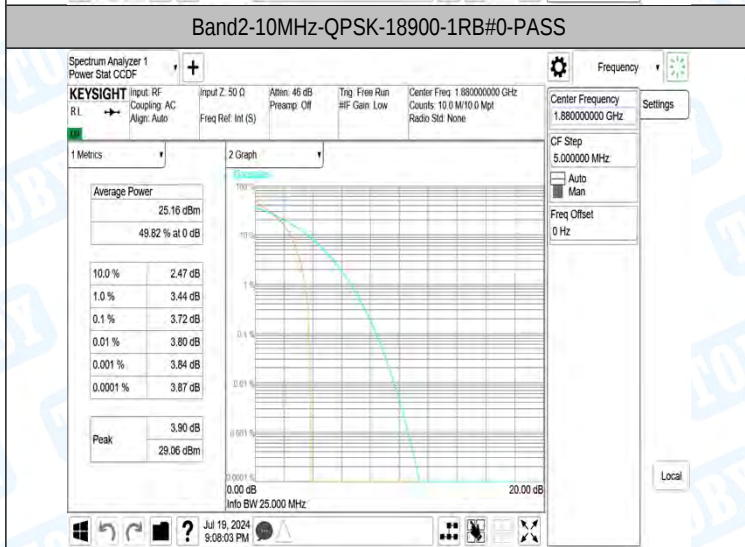


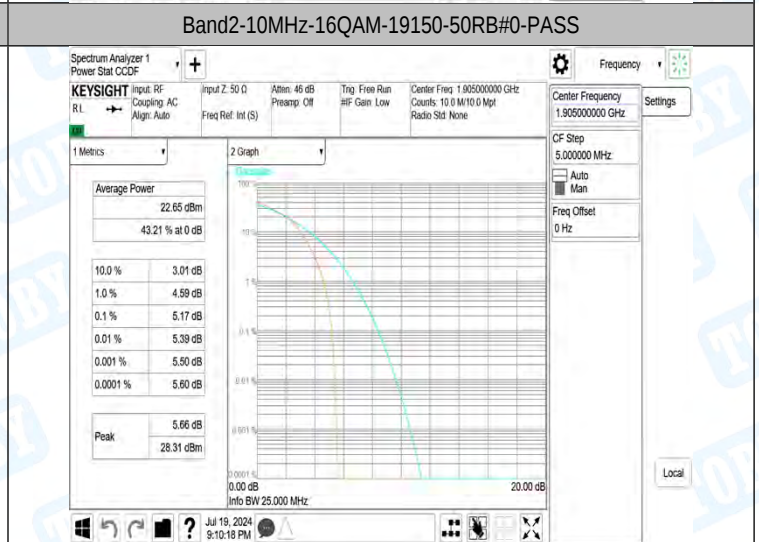
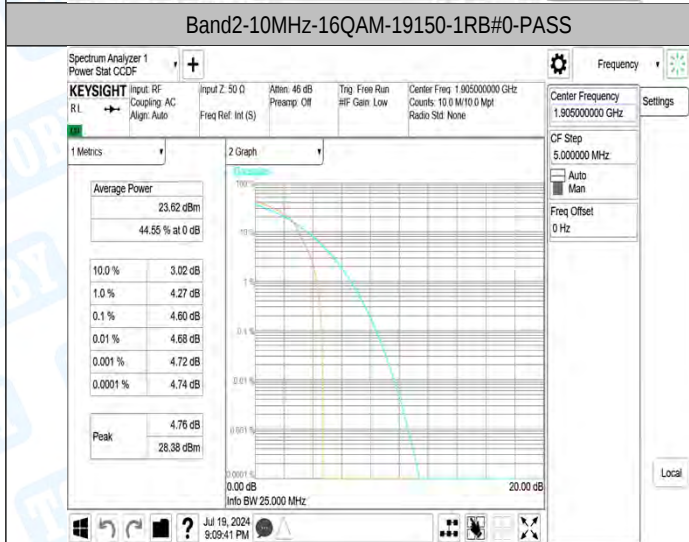
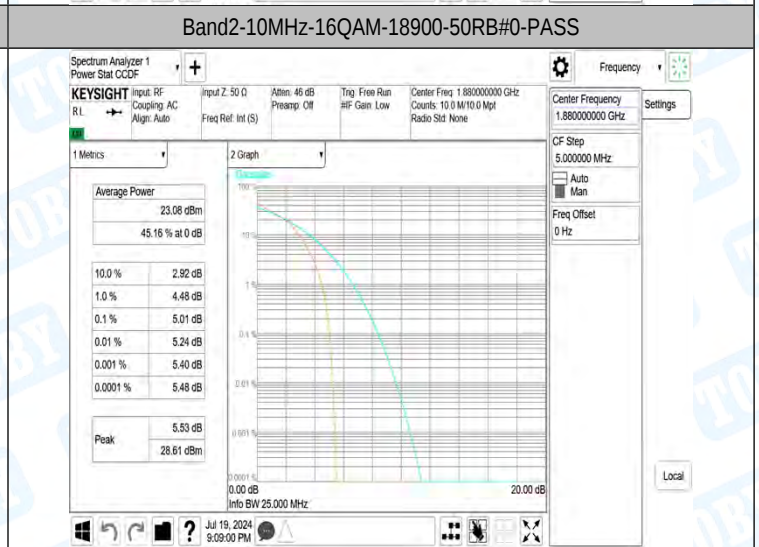
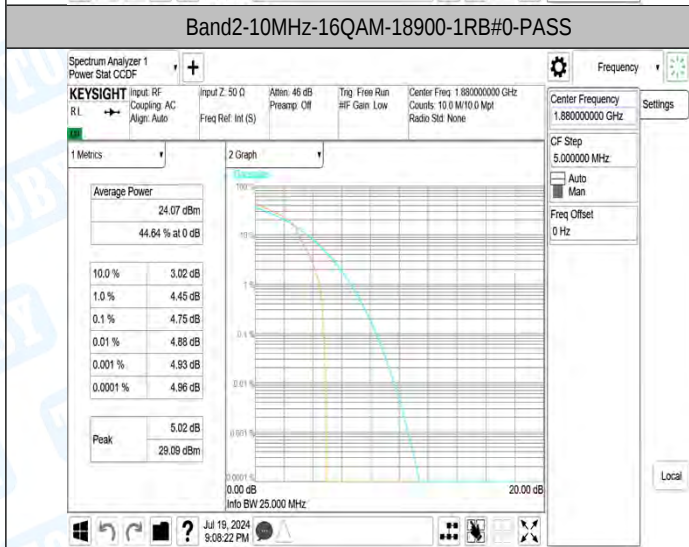
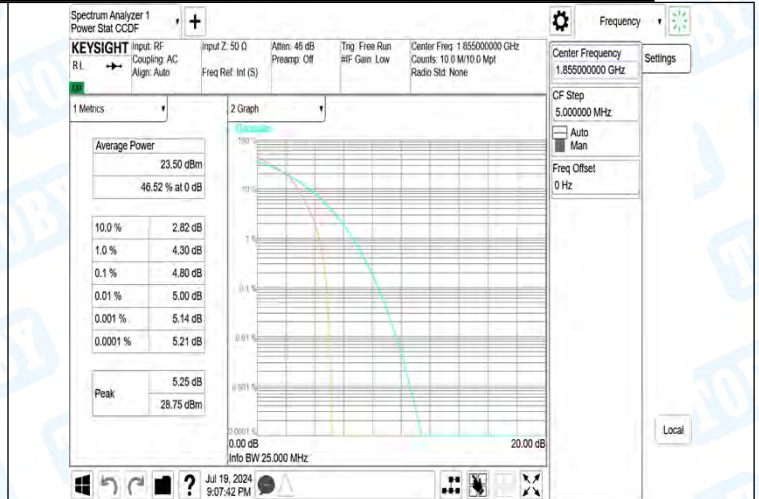
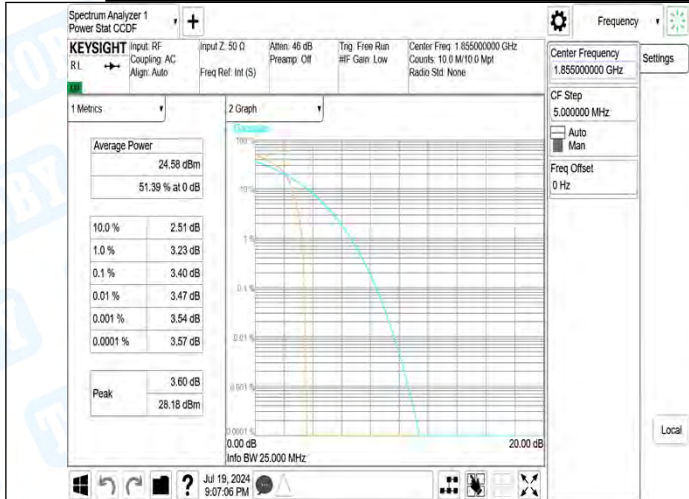
Band2-5MHz-16QAM-18625-1RB#0-PASS

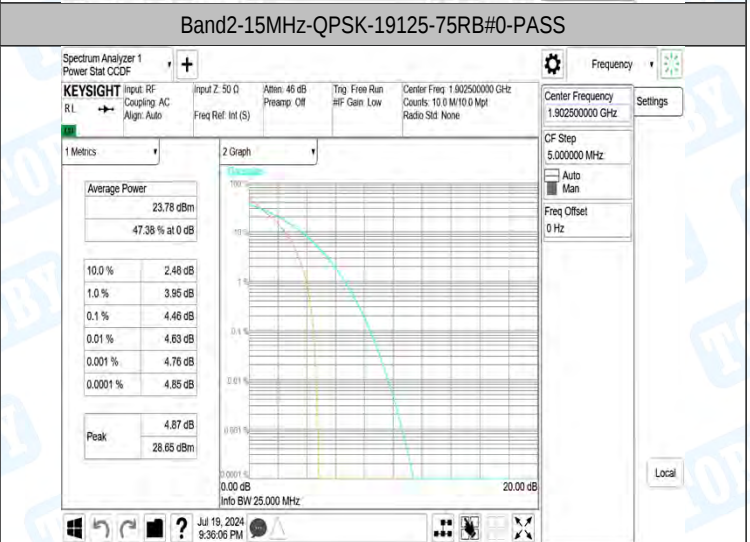
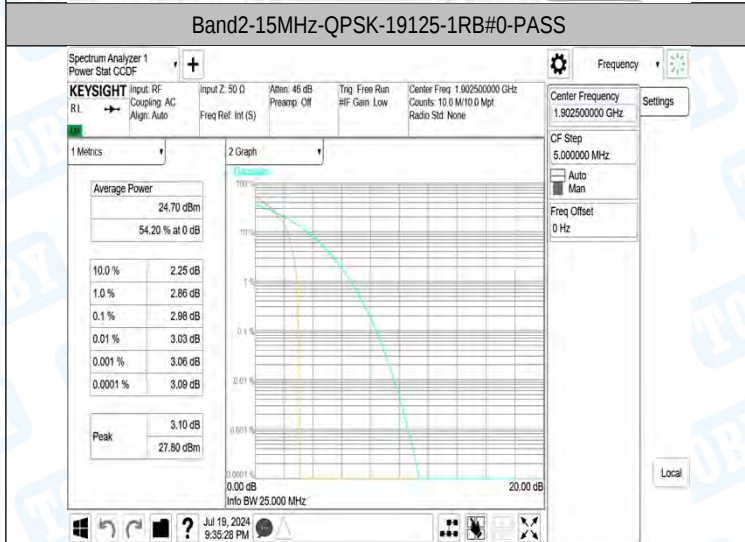
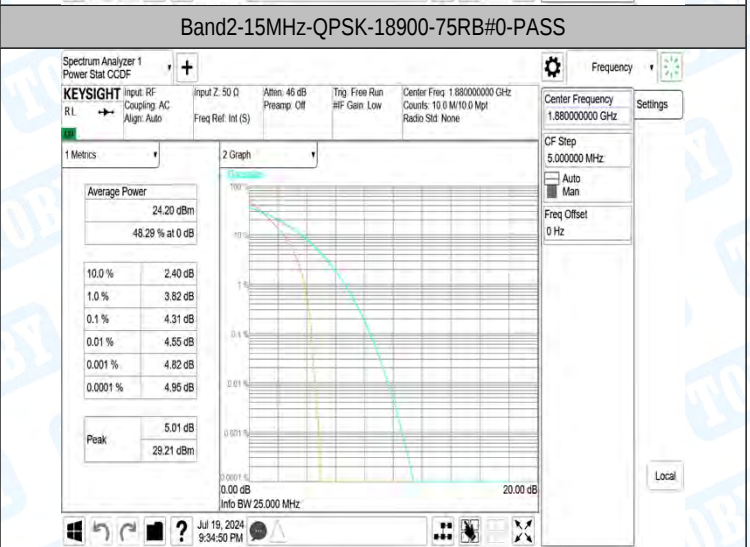
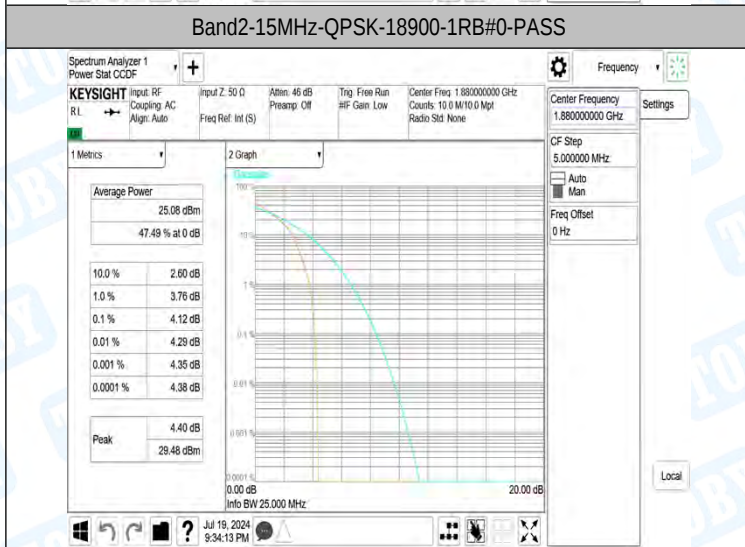


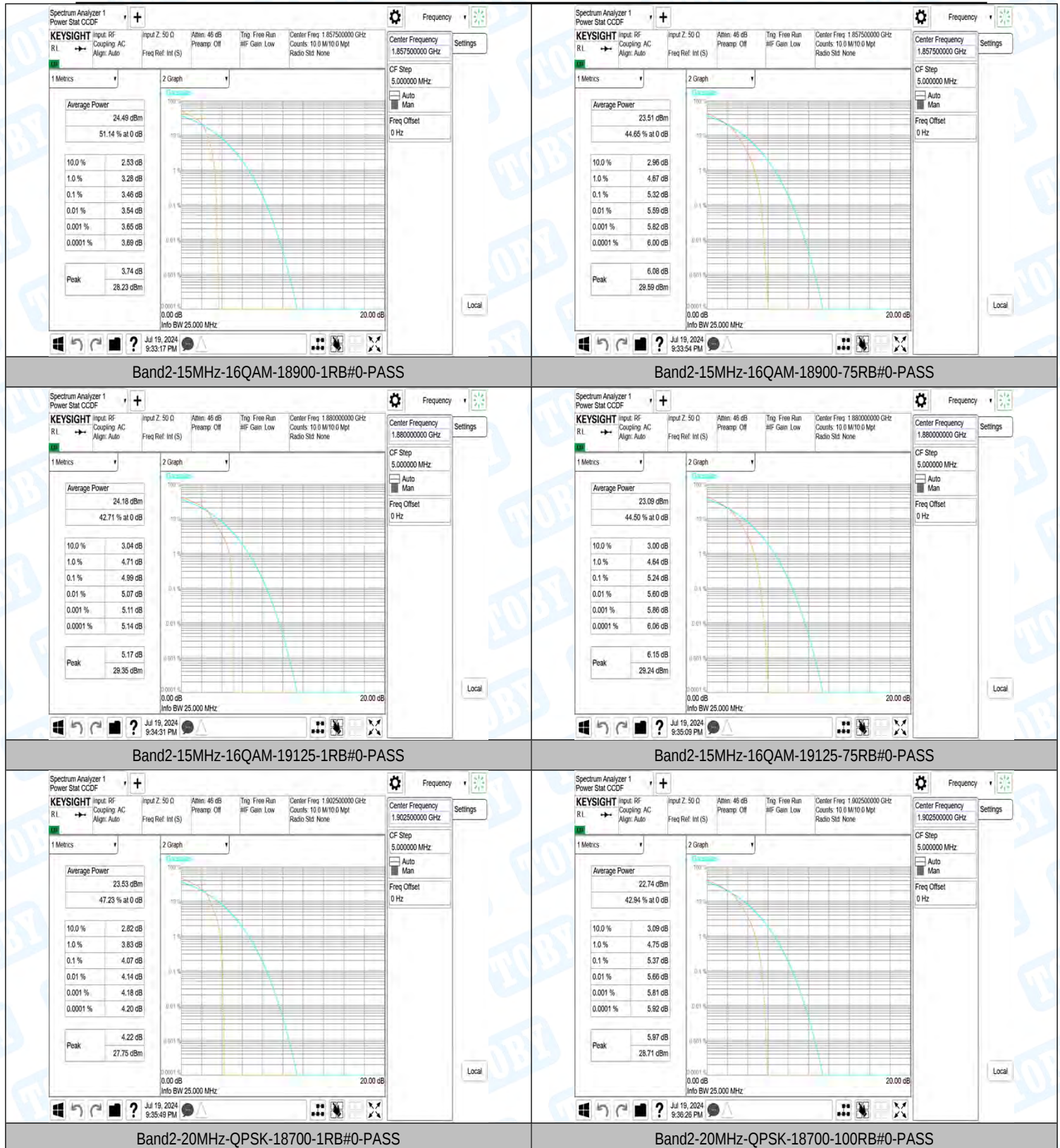
Band2-5MHz-16QAM-18625-25RB#0-PASS







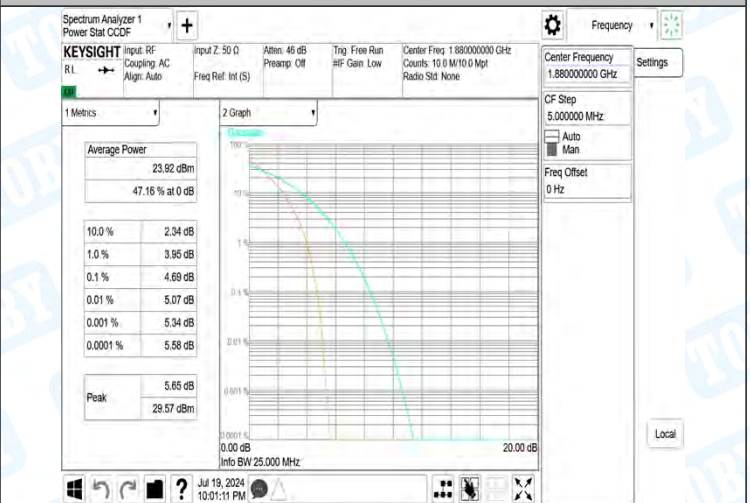
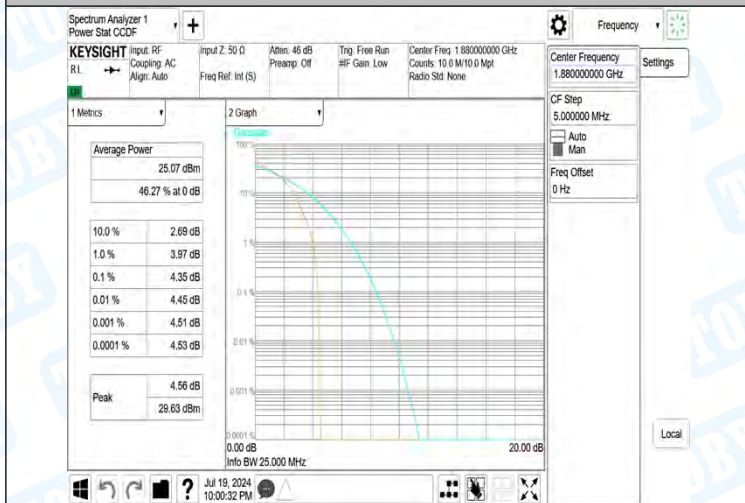






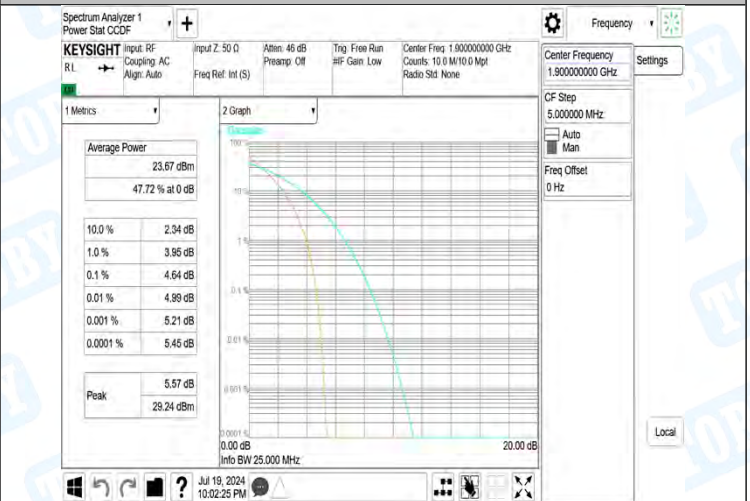
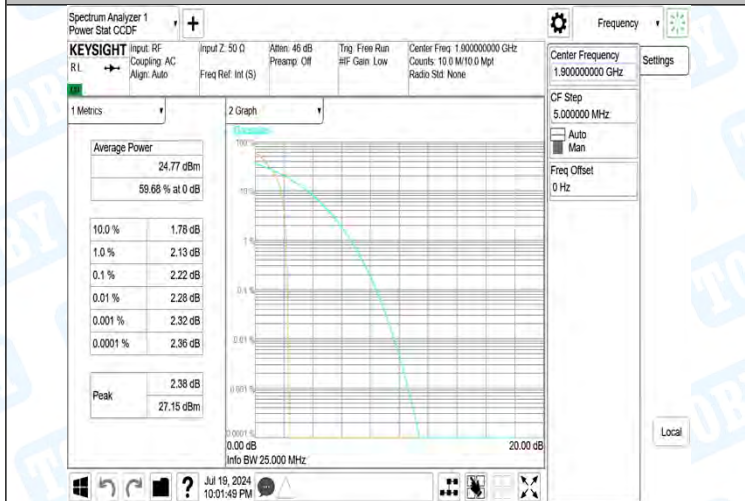
Band2-20MHz-QPSK-18900-1RB#0-PASS

Band2-20MHz-QPSK-18900-100RB#0-PASS



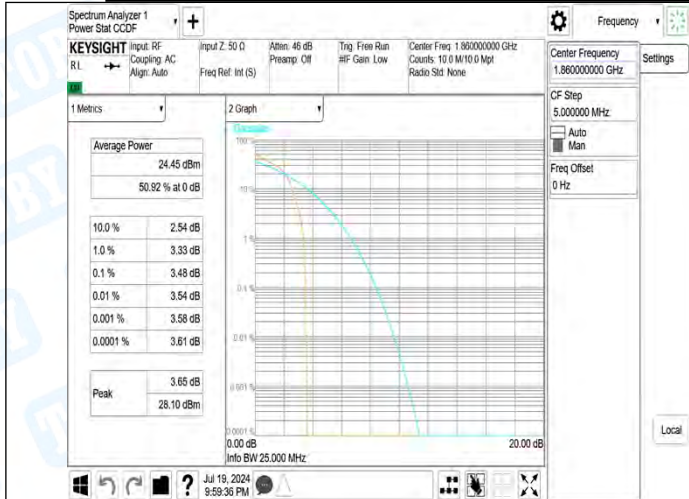
Band2-20MHz-QPSK-19100-1RB#0-PASS

Band2-20MHz-QPSK-19100-100RB#0-PASS

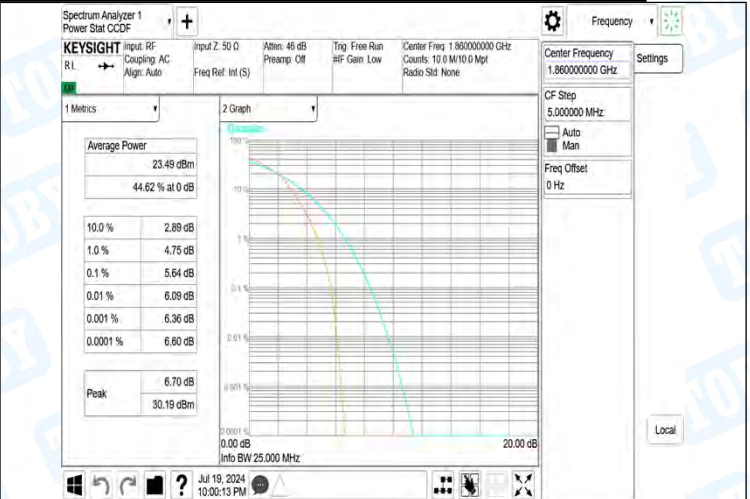


Band2-20MHz-16QAM-18700-1RB#0-PASS

Band2-20MHz-16QAM-18700-100RB#0-PASS



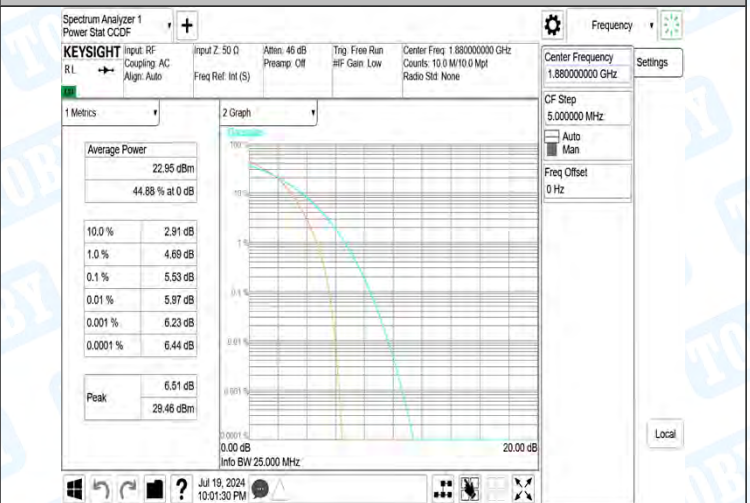
Band2-20MHz-16QAM-18900-1RB#0-PASS



Band2-20MHz-16QAM-18900-100RB#0-PASS



Band2-20MHz-16QAM-19100-1RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS



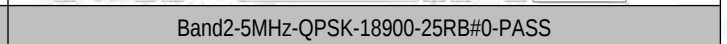
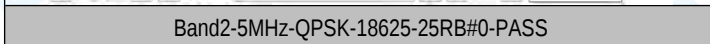
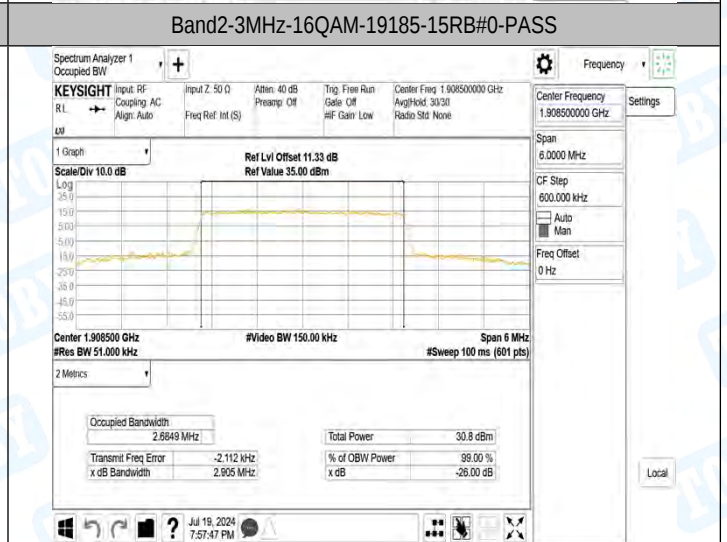
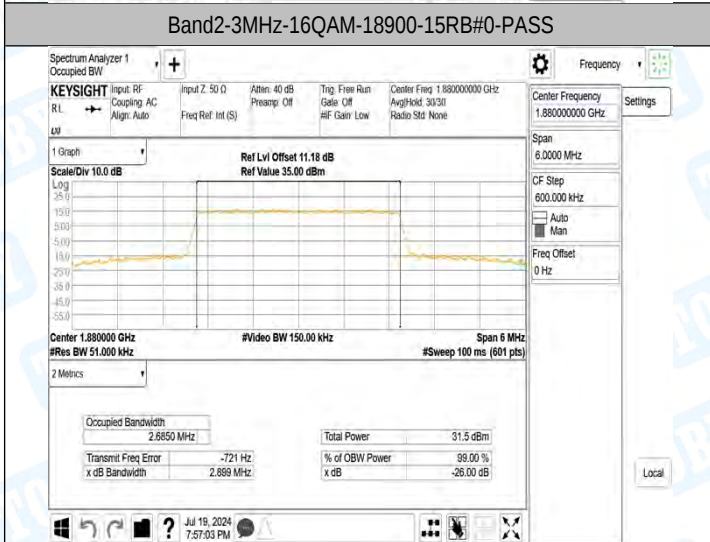
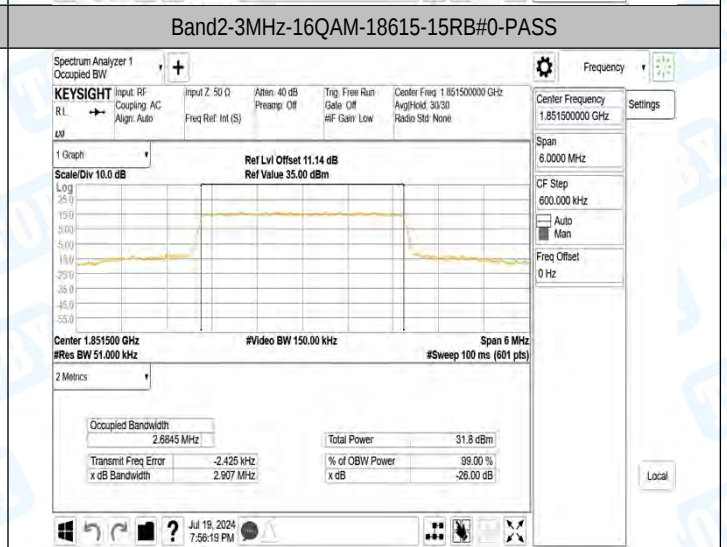
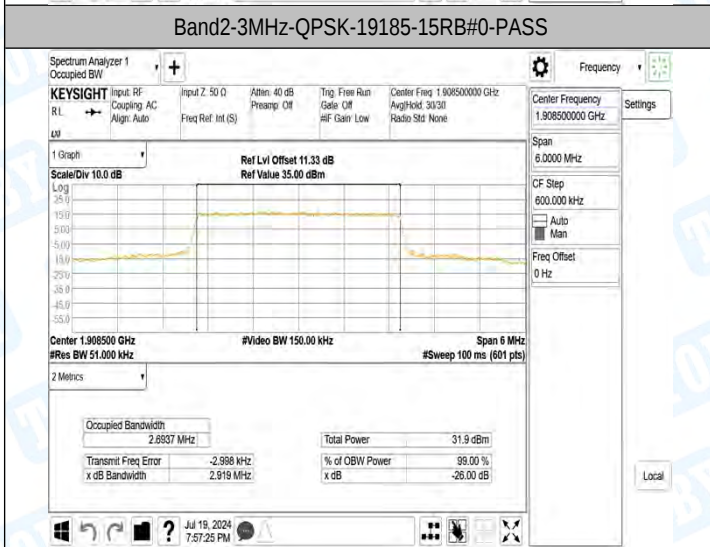
3: 26dB Bandwidth and Occupied Bandwidth

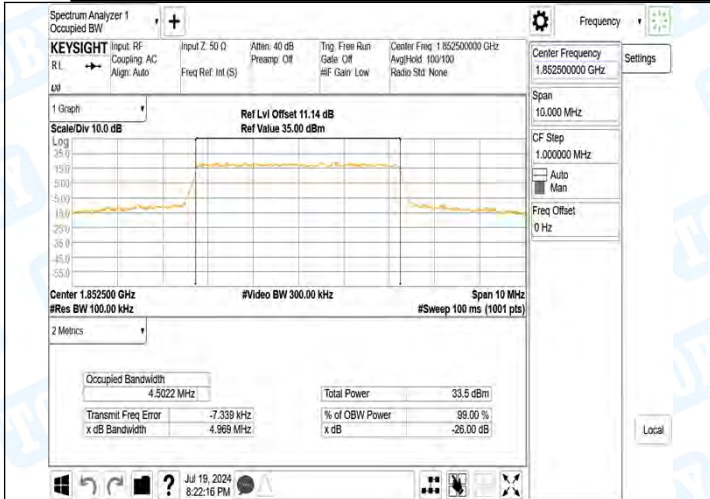
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0935	1.330	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0919	1.308	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.1015	1.368	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0987	1.306	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0976	1.307	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0973	1.296	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6916	2.900	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6876	2.900	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6937	2.919	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6845	2.907	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6850	2.899	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6849	2.905	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5022	4.969	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4988	4.949	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4934	4.930	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4966	4.962	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4937	4.923	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5019	4.950	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0017	9.863	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9987	9.789	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9704	9.784	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9985	9.766	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9852	9.793	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9734	9.719	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.499	14.75	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.482	14.64	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.429	14.66	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.496	14.61	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.476	14.66	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.485	14.63	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.975	19.45	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.944	19.53	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.958	19.31	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.954	19.34	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.924	19.29	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.972	19.46	PASS

Test Graphs

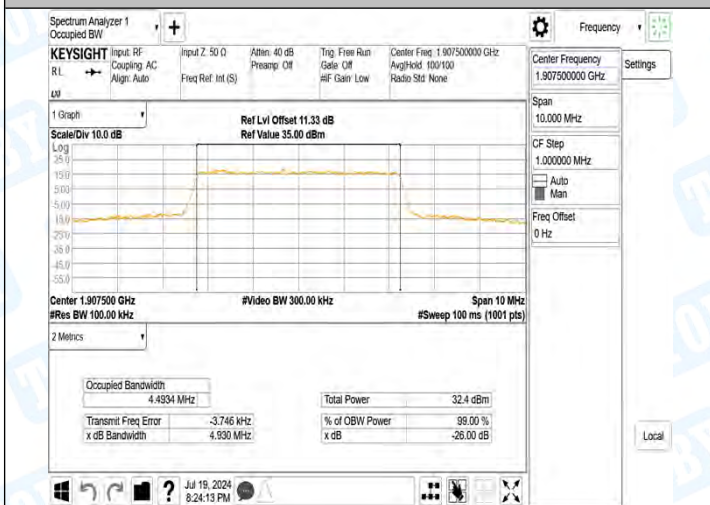






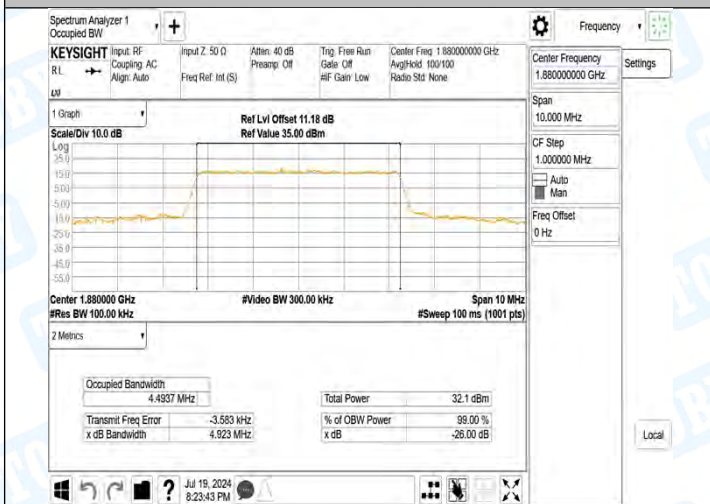
Band2-5MHz-QPSK-19175-25RB#0-PASS

Band2-5MHz-16QAM-18625-25RB#0-PASS



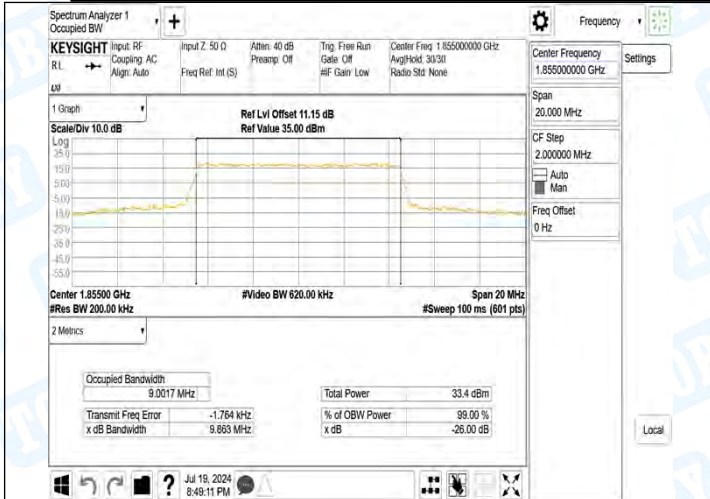
Band2-5MHz-16QAM-18900-25RB#0-PASS

Band2-5MHz-16QAM-19175-25RB#0-PASS

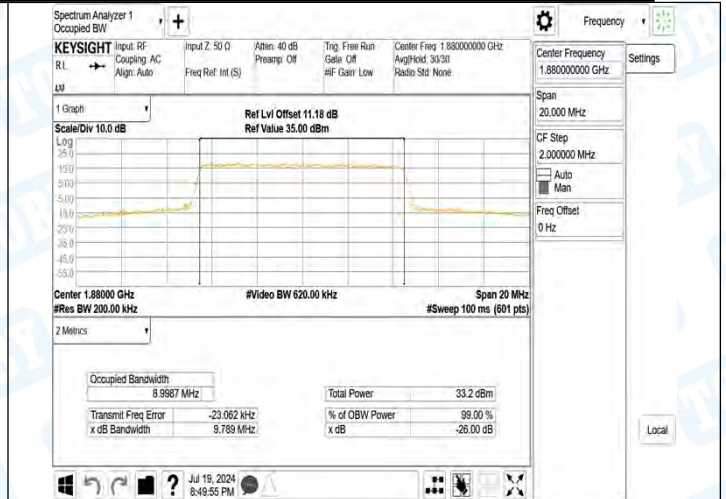


Band2-10MHz-QPSK-18650-50RB#0-PASS

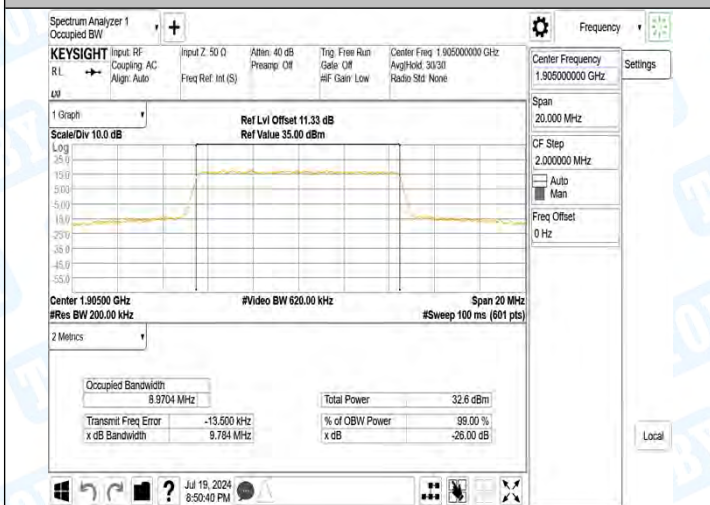
Band2-10MHz-QPSK-18900-50RB#0-PASS



Band2-10MHz-QPSK-19150-50RB#0-PASS



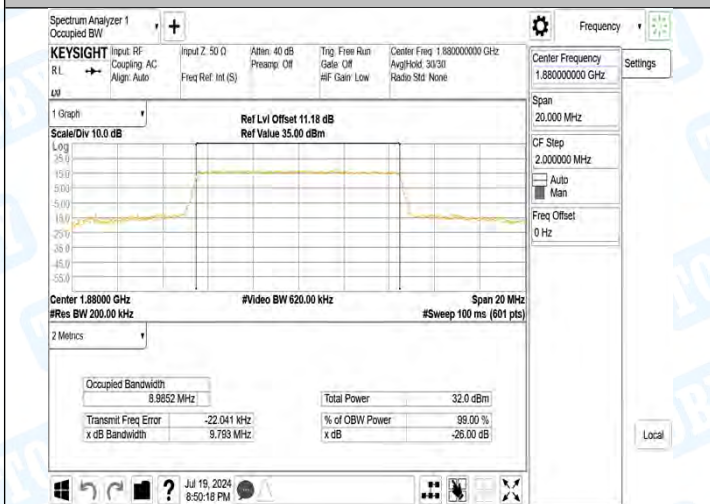
Band2-10MHz-16QAM-18650-50RB#0-PASS



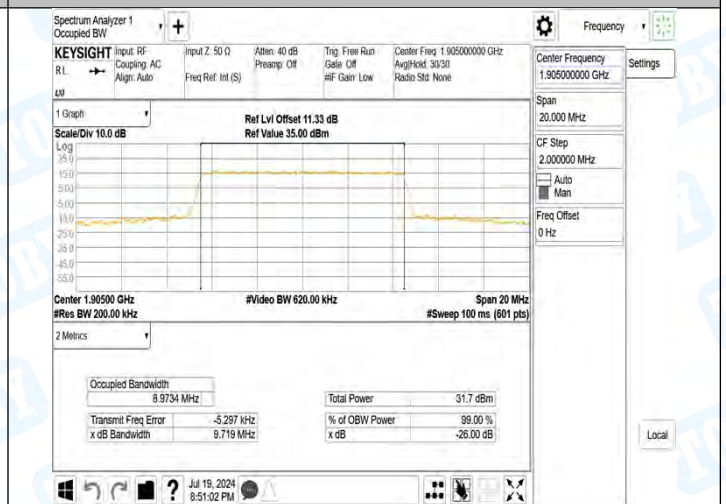
Band2-10MHz-16QAM-18900-50RB#0-PASS



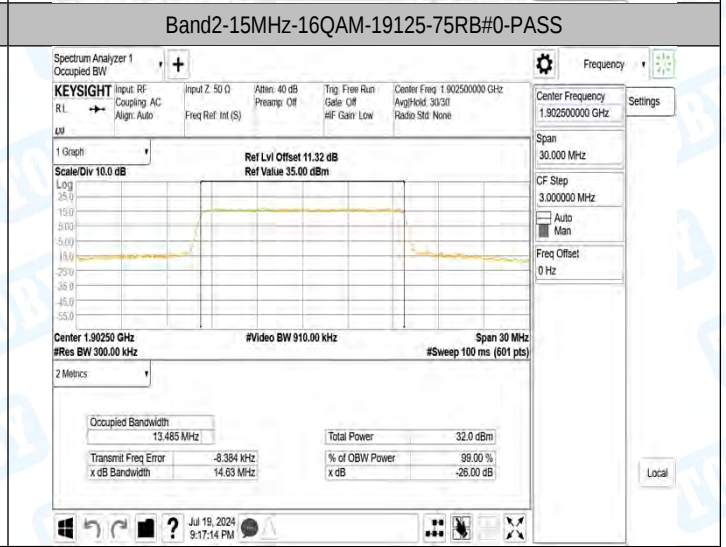
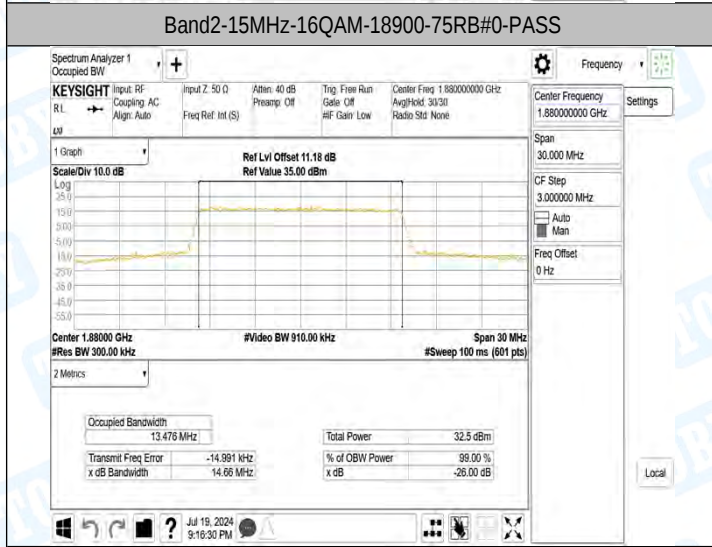
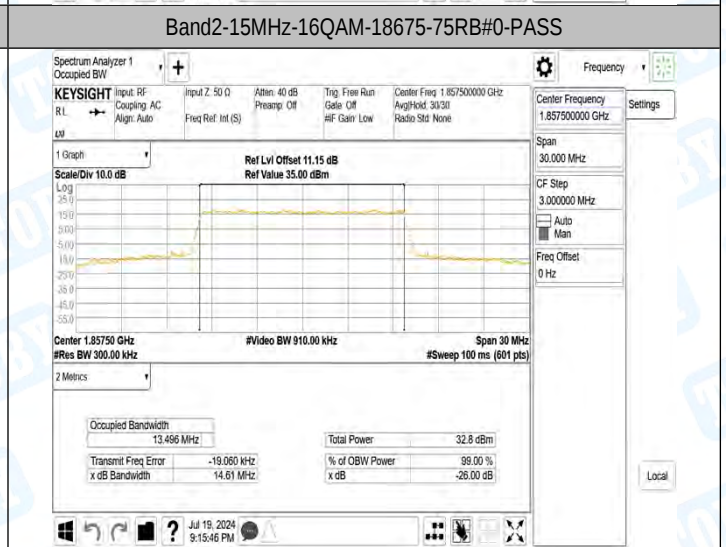
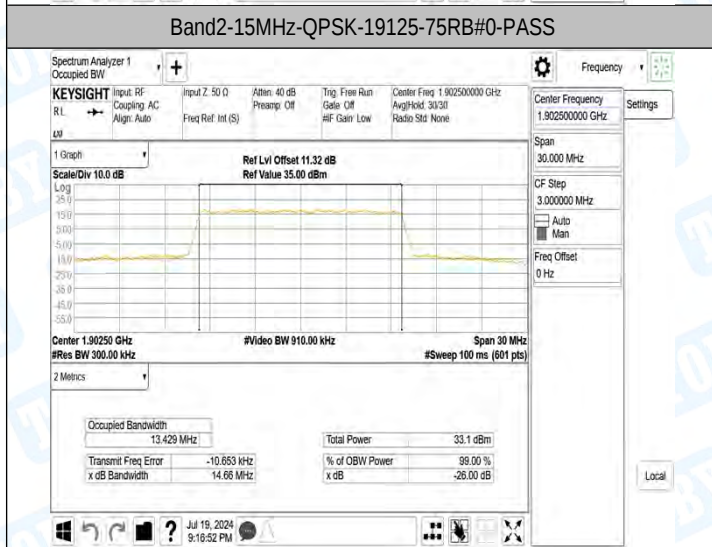
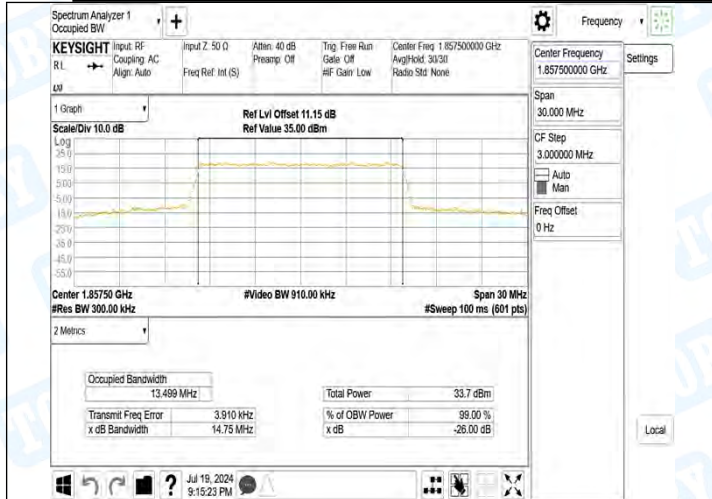
Band2-10MHz-16QAM-19150-50RB#0-PASS

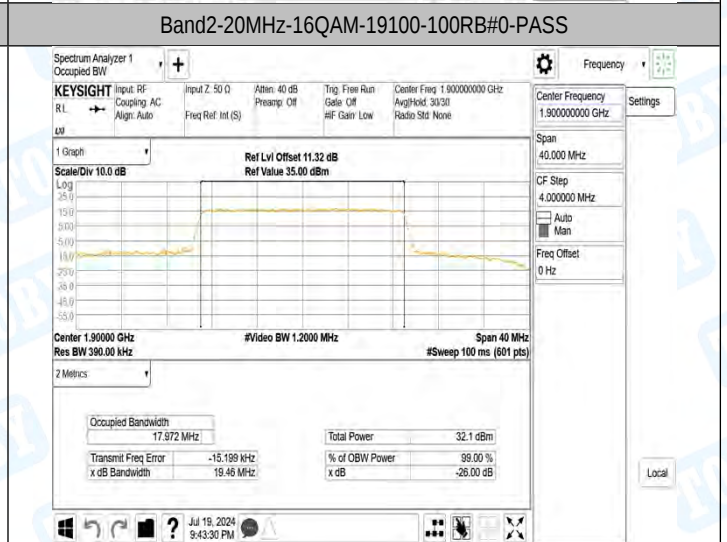
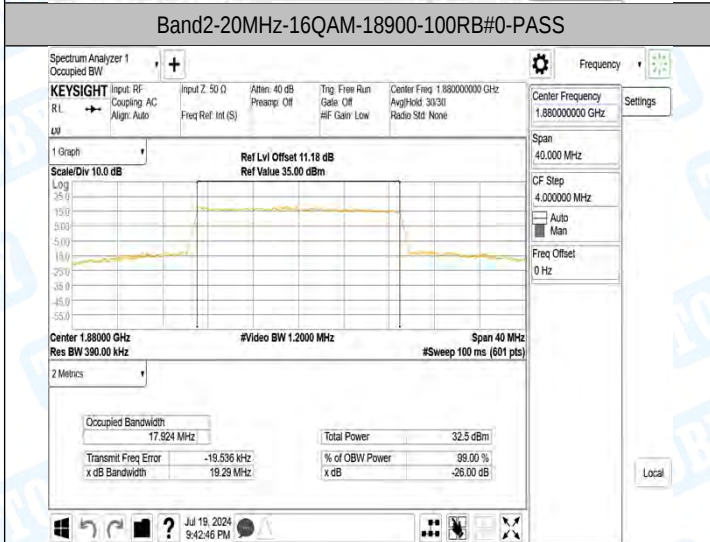
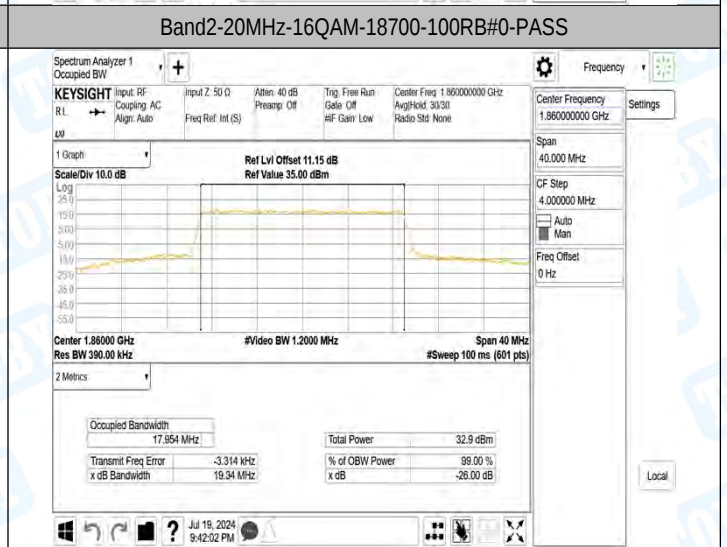
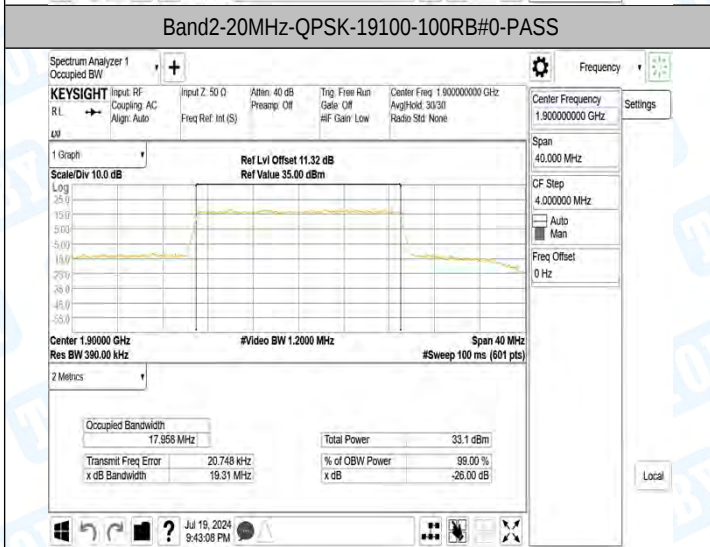
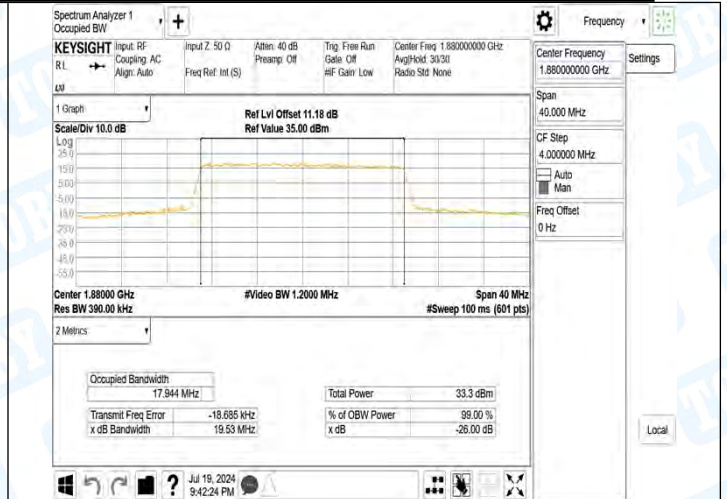
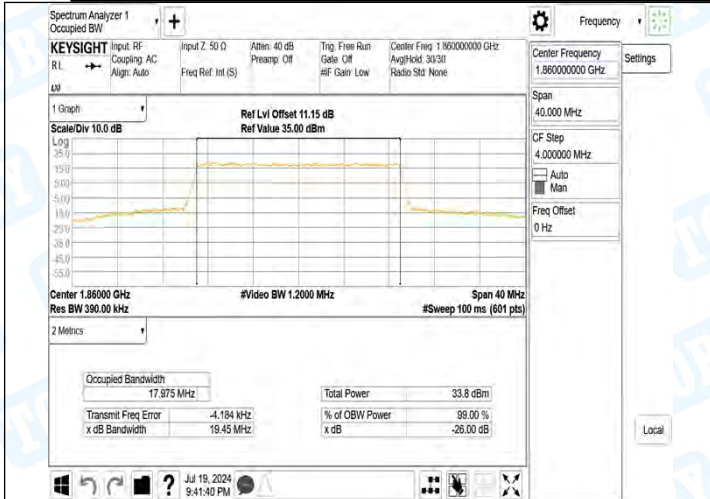


Band2-15MHz-QPSK-18675-75RB#0-PASS



Band2-15MHz-QPSK-18900-75RB#0-PASS





4: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-18.60	5.60	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-53.46	22.26	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-20.67	7.67	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-54.18	22.98	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-18.34	5.34	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-39.14	7.94	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-20.25	7.25	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-53.95	22.75	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-40.73	9.53	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-54.18	22.98	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-20.96	7.96	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-37.42	6.22	PASS
Band2	3MHz	QPSK	18615	1RB#0	-13.43	0.43	PASS
Band2	3MHz	QPSK	18615	1RB#14	-47.88	19.68	PASS
Band2	3MHz	QPSK	18615	15RB#0	-28.80	0.60	PASS
Band2	3MHz	QPSK	19185	1RB#0	-48.84	20.64	PASS
Band2	3MHz	QPSK	19185	1RB#14	-14.07	1.07	PASS
Band2	3MHz	QPSK	19185	15RB#0	-31.12	2.92	PASS
Band2	3MHz	16QAM	18615	1RB#0	-16.73	3.73	PASS
Band2	3MHz	16QAM	18615	1RB#14	-48.35	20.15	PASS
Band2	3MHz	16QAM	18615	15RB#0	-30.48	2.28	PASS
Band2	3MHz	16QAM	19185	1RB#0	-49.48	21.28	PASS
Band2	3MHz	16QAM	19185	1RB#14	-16.39	3.39	PASS
Band2	3MHz	16QAM	19185	15RB#0	-33.26	5.06	PASS
Band2	5MHz	QPSK	18625	1RB#0	-16.37	3.37	PASS
Band2	5MHz	QPSK	18625	1RB#24	-47.38	21.48	PASS
Band2	5MHz	QPSK	18625	25RB#0	-27.92	2.02	PASS
Band2	5MHz	QPSK	19175	1RB#0	-48.51	22.61	PASS
Band2	5MHz	QPSK	19175	1RB#24	-16.38	3.38	PASS
Band2	5MHz	QPSK	19175	25RB#0	-26.90	1.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	-18.04	5.04	PASS
Band2	5MHz	16QAM	18625	1RB#24	-47.96	22.06	PASS
Band2	5MHz	16QAM	18625	25RB#0	-29.63	3.73	PASS
Band2	5MHz	16QAM	19175	1RB#0	-48.87	22.97	PASS
Band2	5MHz	16QAM	19175	1RB#24	-18.73	5.73	PASS
Band2	5MHz	16QAM	19175	25RB#0	-29.74	3.84	PASS
Band2	10MHz	QPSK	18650	1RB#0	-19.18	6.18	PASS
Band2	10MHz	QPSK	18650	1RB#49	-46.31	23.31	PASS
Band2	10MHz	QPSK	18650	50RB#0	-25.17	2.17	PASS

Band2	10MHz	QPSK	19150	1RB#0	-46.64	23.64	PASS
Band2	10MHz	QPSK	19150	1RB#49	-19.68	6.68	PASS
Band2	10MHz	QPSK	19150	50RB#0	-27.69	4.69	PASS
Band2	10MHz	16QAM	18650	1RB#0	-21.33	8.33	PASS
Band2	10MHz	16QAM	18650	1RB#49	-46.66	23.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	-26.83	3.83	PASS
Band2	10MHz	16QAM	19150	1RB#0	-46.90	23.90	PASS
Band2	10MHz	16QAM	19150	1RB#49	-22.06	9.06	PASS
Band2	10MHz	16QAM	19150	50RB#0	-29.17	6.17	PASS
Band2	15MHz	QPSK	18675	1RB#0	-20.47	7.47	PASS
Band2	15MHz	QPSK	18675	1RB#74	-45.55	24.35	PASS
Band2	15MHz	QPSK	18675	75RB#0	-24.11	2.91	PASS
Band2	15MHz	QPSK	19125	1RB#0	-45.98	24.78	PASS
Band2	15MHz	QPSK	19125	1RB#74	-22.67	9.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	-24.70	3.50	PASS
Band2	15MHz	16QAM	18675	1RB#0	-21.31	8.31	PASS
Band2	15MHz	16QAM	18675	1RB#74	-45.66	24.46	PASS
Band2	15MHz	16QAM	18675	75RB#0	-27.34	6.14	PASS
Band2	15MHz	16QAM	19125	1RB#0	-45.95	24.75	PASS
Band2	15MHz	16QAM	19125	1RB#74	-23.67	10.67	PASS
Band2	15MHz	16QAM	19125	75RB#0	-27.54	6.34	PASS
Band2	20MHz	QPSK	18700	1RB#0	-23.33	10.33	PASS
Band2	20MHz	QPSK	18700	1RB#99	-45.05	25.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	-26.68	6.68	PASS
Band2	20MHz	QPSK	19100	1RB#0	-45.34	25.34	PASS
Band2	20MHz	QPSK	19100	1RB#99	-24.66	11.66	PASS
Band2	20MHz	QPSK	19100	100RB#0	-25.19	5.19	PASS
Band2	20MHz	16QAM	18700	1RB#0	-24.88	11.88	PASS
Band2	20MHz	16QAM	18700	1RB#99	-45.06	25.06	PASS
Band2	20MHz	16QAM	18700	100RB#0	-28.85	8.85	PASS
Band2	20MHz	16QAM	19100	1RB#0	-45.43	25.43	PASS
Band2	20MHz	16QAM	19100	1RB#99	-26.37	13.37	PASS
Band2	20MHz	16QAM	19100	100RB#0	-26.73	6.73	PASS

Test Graphs





Band2_1.4MHz_16QAM_19193_1RB#0



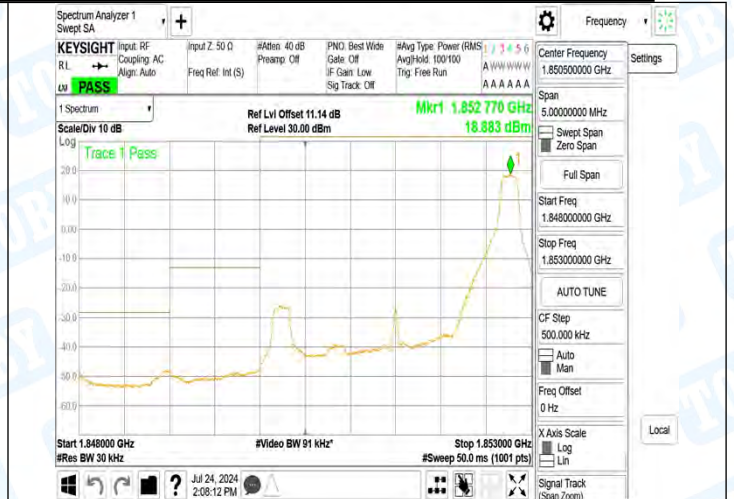
Band2_1.4MHz_16QAM_19193_6RB#0



Band2 3MHz QPSK 18615 1RB#14



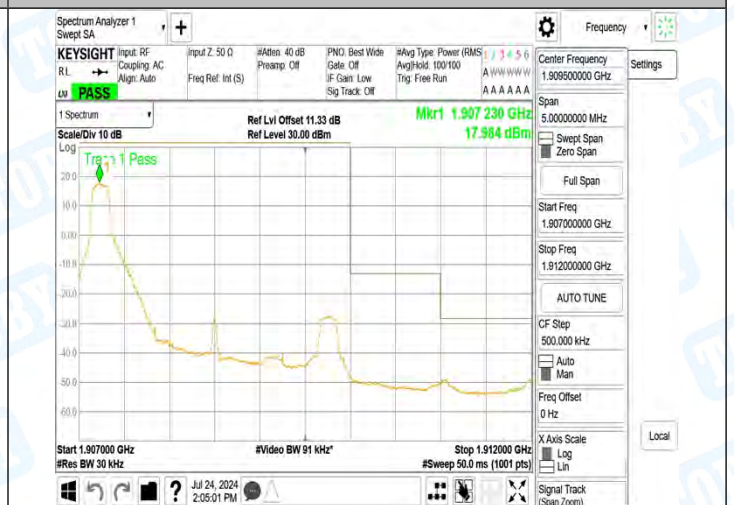
Band2_3MHz_QPSK_18615_15RB#0



Band2_3MHz_QPSK_19185_1RB#0



Band2_3MHz_QPSK_19185_1RB#14



Band2_3MHz_QPSK_19185_15RB#0



Band2_3MHz_16QAM_18615_1RB#0



Band2_3MHz_16QAM_18615_1RB#14