FCC LTE Band4 Test Data

General Description of EUT	
Product Name:	Industrial router
Test Model:	ZR2720N
Sample ID:	202305-0244-4#2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 12V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202305-0244-51 The report only show the worst case data.	

Contents

FCC LTE Band4 Test Data 1
1. Conducted Power Output Data 3
Test Result 3
2. Peak-to-Average Ratio(CCDF) 10
Test Result 10
Test Graphs 13
3. 26dB Bandwidth and Occupied Bandwidth 37
Test Result 37
Test Graphs 39
4. Band Edge 52
Test Result 52
Test Graphs 55
5. Conducted Spurious Emission 79
Test Result 79
Test Graphs 82
6. Frequency Stability 106
Test Result 106

1. Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.56	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.53	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.39	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.46	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.53	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.39	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.53	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.51	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.39	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.39	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.29	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.36	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.53	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.52	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.60	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.49	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.34	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.36	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.36	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.55	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.69	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.58	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.19	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.28	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.44	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.44	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.50	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.93	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.65	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.20	PASS

Band4	1.4MHz	16QAM	20175	3RB#1	22.42	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.45	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.45	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.86	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.79	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.61	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.26	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.24	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.37	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.43	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.28	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.35	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.28	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.39	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.30	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.39	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.39	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.44	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.44	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.34	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.43	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.44	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.33	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.53	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.29	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.26	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.23	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.28	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.29	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.32	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.44	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.33	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.28	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.27	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.22	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.22	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.43	PASS

Band4	3MHz	16QAM	19965	15RB#0	21.40	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.43	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.42	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.46	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.33	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.33	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.54	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.44	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.63	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.69	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.57	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.31	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.32	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.38	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.38	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.43	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.47	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.39	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.45	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.42	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.56	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.48	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.47	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.51	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.52	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.63	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.56	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.46	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.40	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.58	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.60	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.45	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.50	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.49	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.46	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.57	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.19	PASS

Band4	5MHz	16QAM	19975	1RB#12	22.11	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.12	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.39	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.37	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.51	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.56	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.81	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.51	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.65	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.66	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.52	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.54	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.39	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.67	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.88	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.62	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.43	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.52	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.52	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.62	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.29	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.56	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.46	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.40	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.41	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.31	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.40	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.36	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.72	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.33	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.43	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.49	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.34	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.49	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.20	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.82	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.37	PASS

Band4	10MHz	QPSK	20350	25RB#0	22.48	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.33	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.50	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.58	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.25	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.92	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.33	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.37	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.37	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.36	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.45	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.36	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.27	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.52	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.51	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.48	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.35	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.46	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.44	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.62	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.53	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.40	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.43	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.52	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.59	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.36	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.40	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.44	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.54	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.49	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.46	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.44	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.53	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.52	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.26	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.61	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.44	PASS

Band4	15MHz	QPSK	20175	38RB#37	22.40	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.48	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.24	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.31	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.21	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.42	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.45	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.42	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.53	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.55	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.60	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.51	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.48	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.51	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.96	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.74	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.47	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.42	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.39	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.53	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.72	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.76	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.47	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.43	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.41	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.55	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.48	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.86	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.72	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.51	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.48	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.54	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.58	PASS

Band4	20MHz	QPSK	20175	1RB#0	23.40	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.58	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.12	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.46	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.50	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.47	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.52	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.44	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.69	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.53	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.53	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.44	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.57	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.53	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.77	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.45	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.98	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.39	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.46	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.51	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.52	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.37	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.40	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.30	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.49	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.47	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.45	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.56	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.85	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.37	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.40	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.59	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.49	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.52	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.48	PASS

2. Peak-to-Average Ratio(CCDF)

Test Result

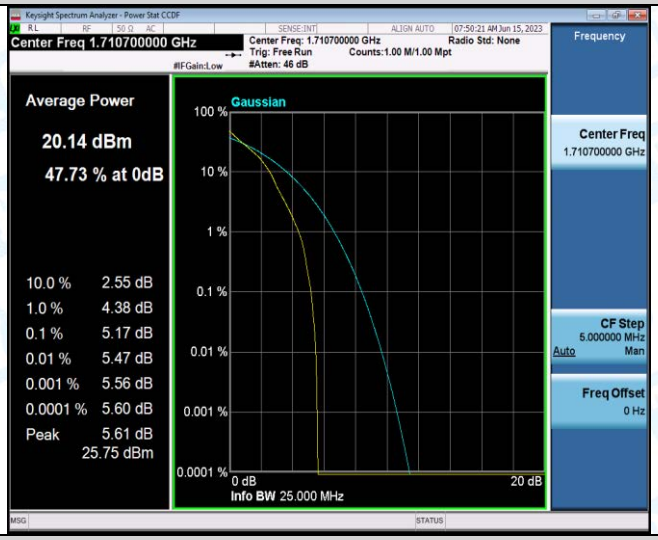
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	5.17	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.28	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.31	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.53	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	5.06	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.57	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.97	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.02	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	6.02	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.15	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.75	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.31	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	5.04	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.36	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	5.10	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.54	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.95	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.54	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.84	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.13	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.98	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.34	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.64	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.33	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	5.23	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.42	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.58	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.57	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	5.35	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.60	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.80	13	PASS

Band4	5MHz	16QAM	19975	25RB#0	6.10	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.92	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.26	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.95	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.36	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	5.06	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.45	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.16	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.62	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	5.10	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.61	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.91	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.20	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	6.00	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.27	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.73	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.33	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.98	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.88	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.31	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.95	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	5.33	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.98	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.87	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.37	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	6.11	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.40	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.83	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.44	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	5.04	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.63	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.21	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.66	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.31	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.77	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.53	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.33	13	PASS

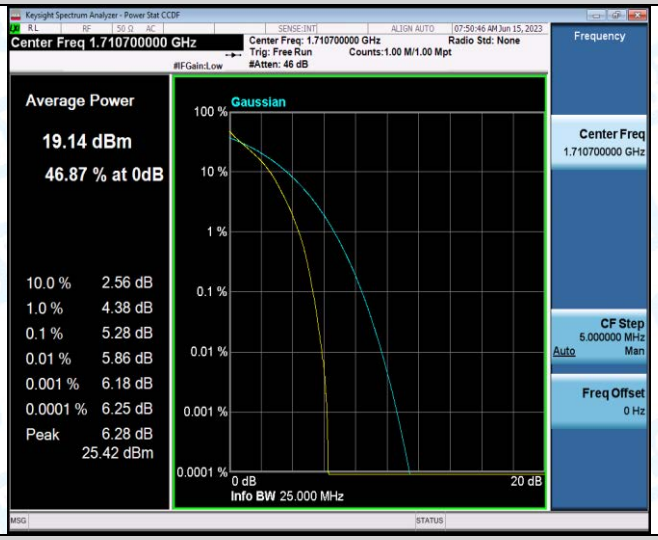
Band4	20MHz	16QAM	20175	1RB#0	5.66	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.39	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	6.61	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.39	13	PASS

Test Graphs

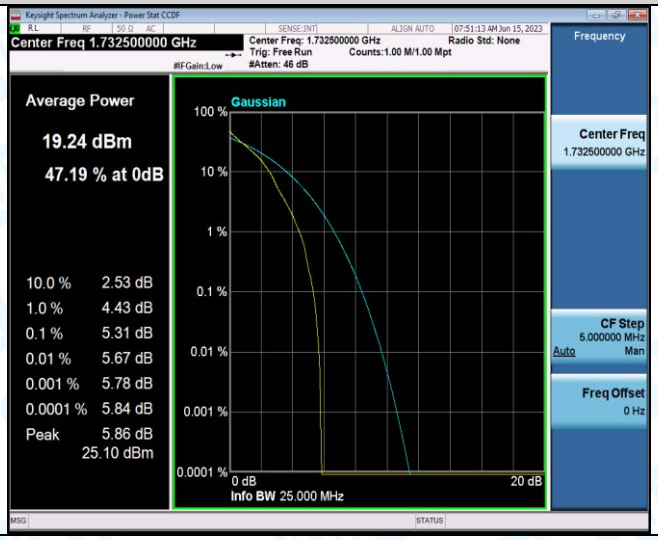
Band4-1.4MHz-QPSK-19957-1RB#0



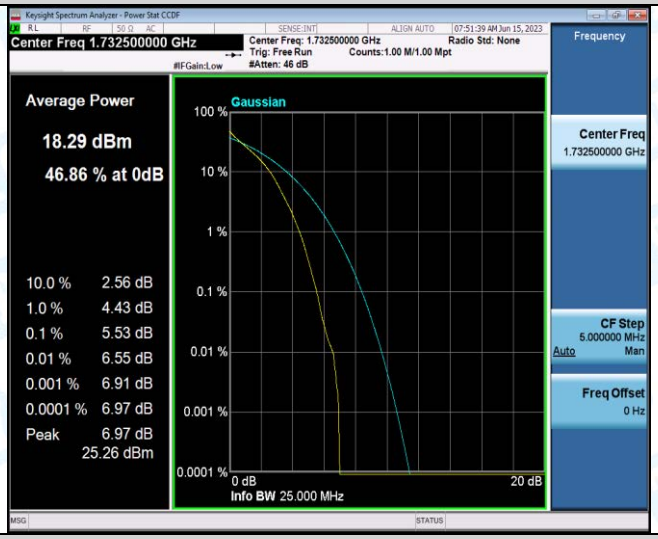
Band4-1.4MHz-QPSK-19957-6RB#0



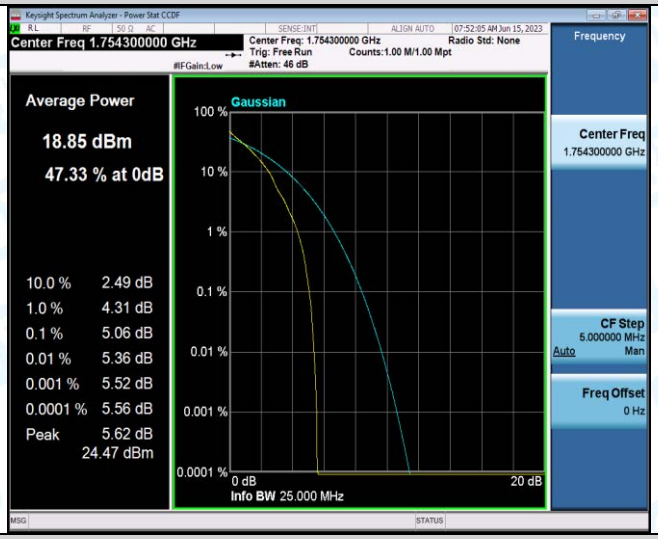
Band4-1.4MHz-QPSK-20175-1RB#0



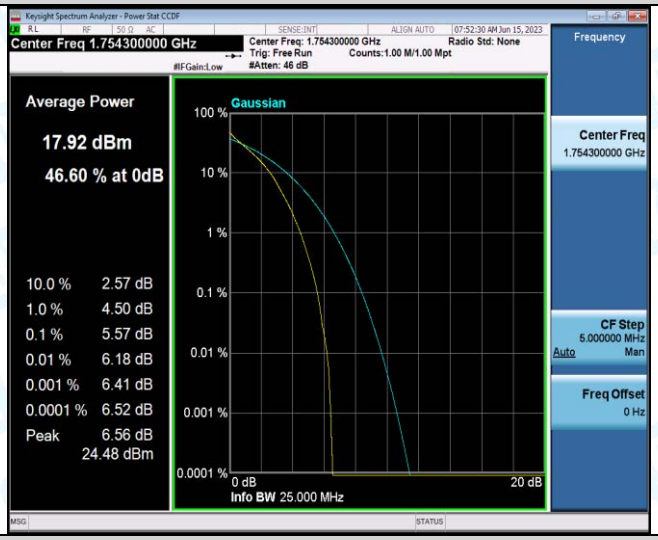
Band4-1.4MHz-QPSK-20175-6RB#0



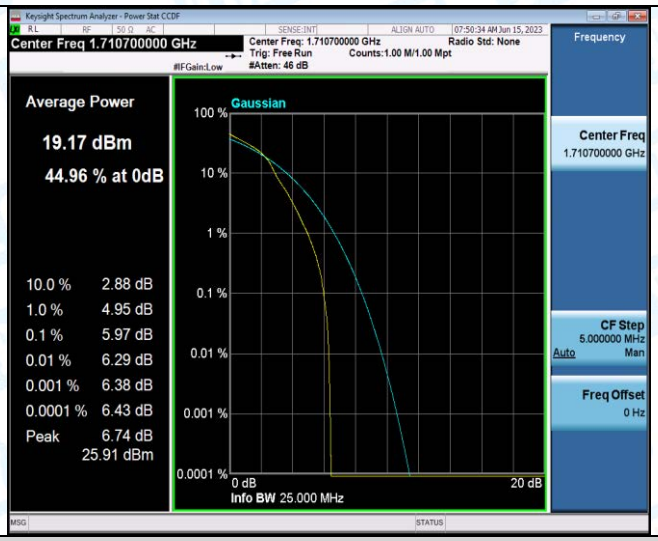
Band4-1.4MHz-QPSK-20393-1RB#0



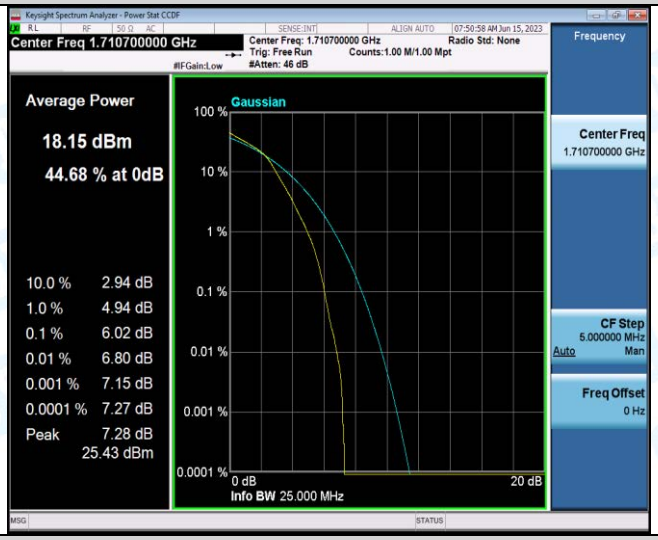
Band4-1.4MHz-QPSK-20393-6RB#0



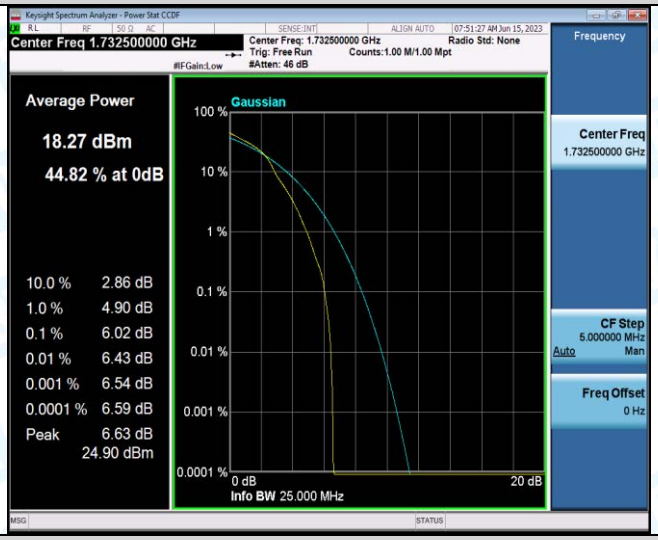
Band4-1.4MHz-16QAM-19957-1RB#0



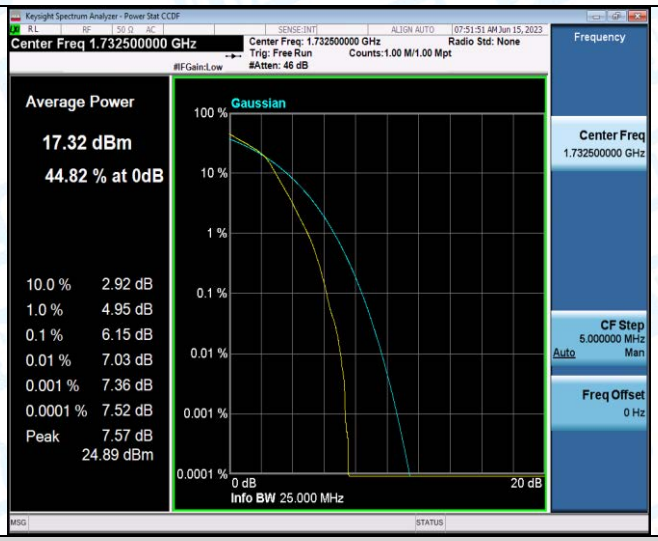
Band4-1.4MHz-16QAM-19957-6RB#0



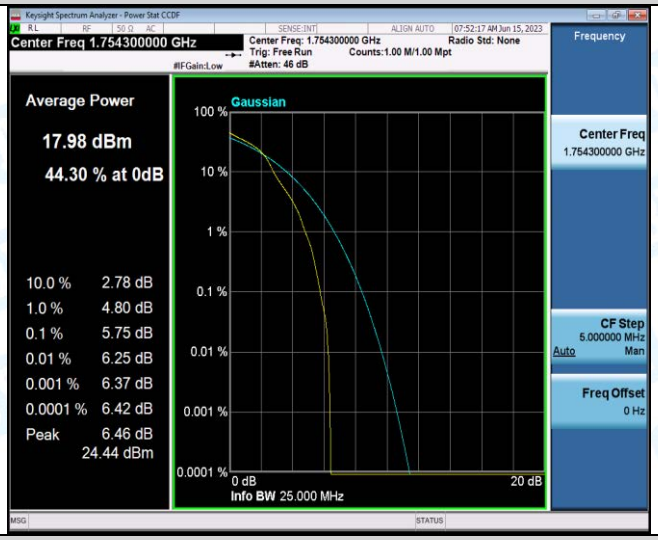
Band4-1.4MHz-16QAM-20175-1RB#0



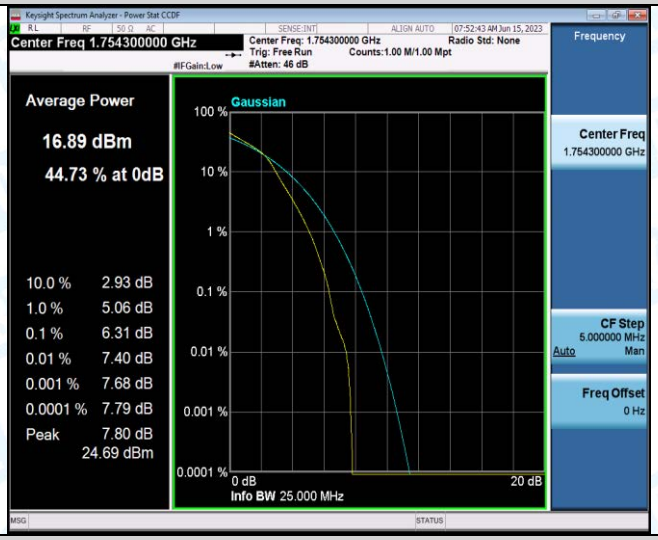
Band4-1.4MHz-16QAM-20175-6RB#0



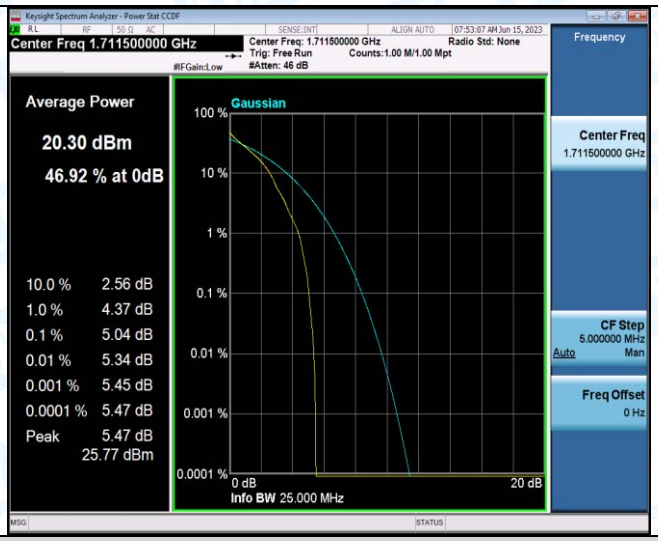
Band4-1.4MHz-16QAM-20393-1RB#0



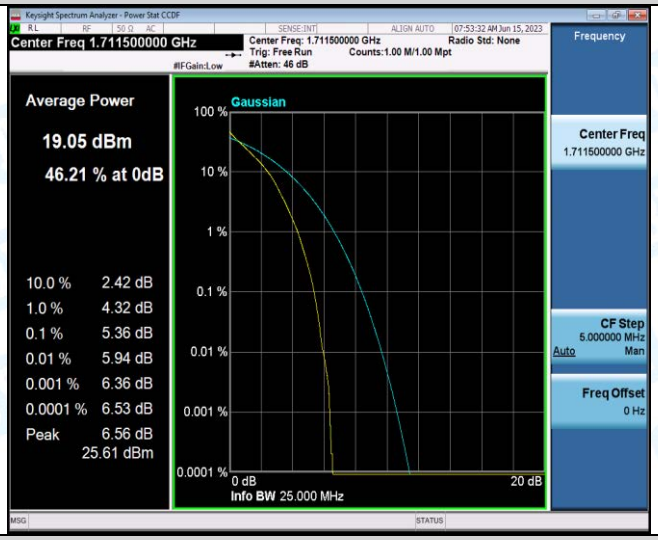
Band4-1.4MHz-16QAM-20393-6RB#0



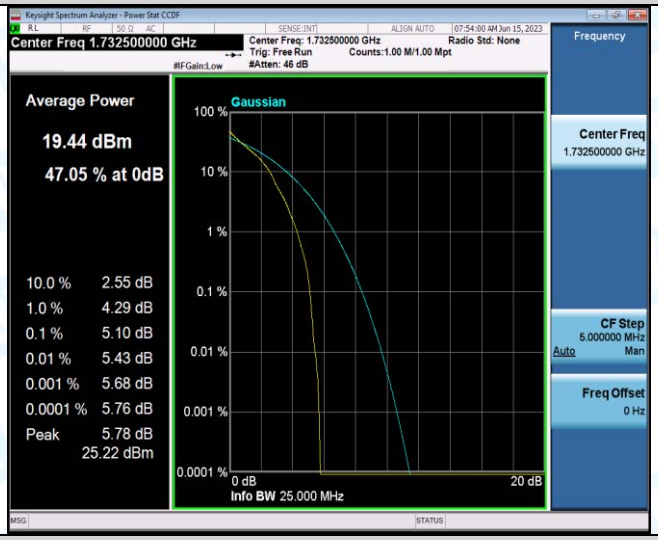
Band4-3MHz-QPSK-19965-1RB#0



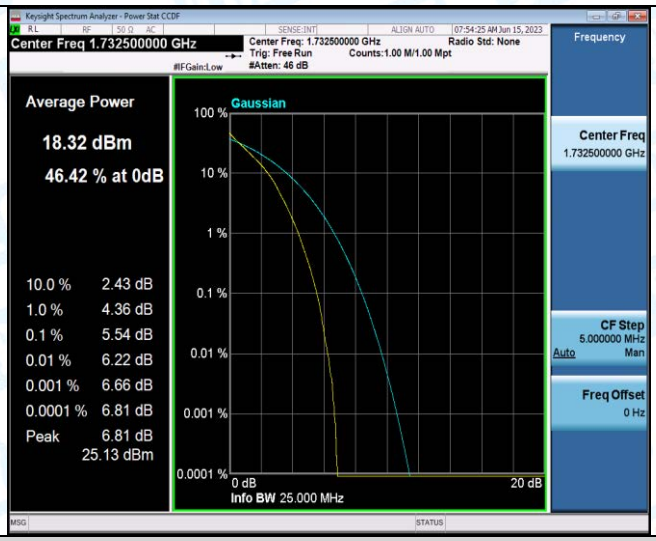
Band4-3MHz-QPSK-19965-15RB#0



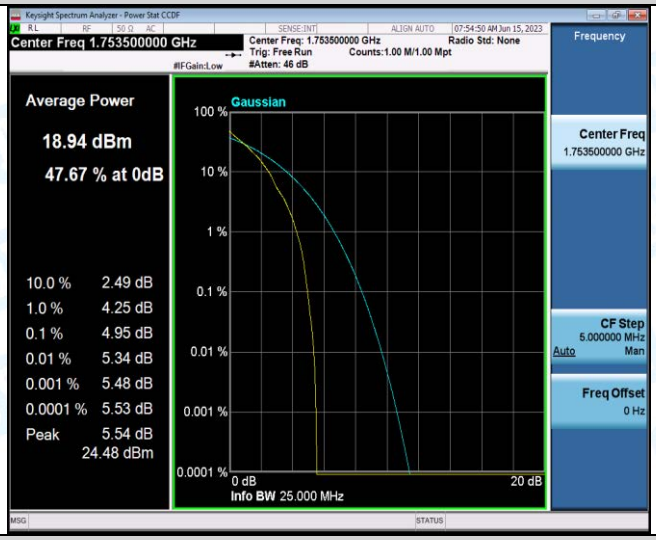
Band4-3MHz-QPSK-20175-1RB#0



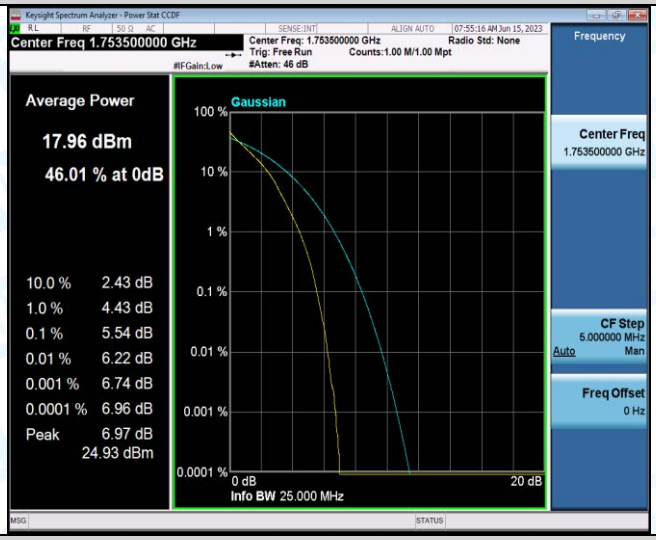
Band4-3MHz-QPSK-20175-15RB#0



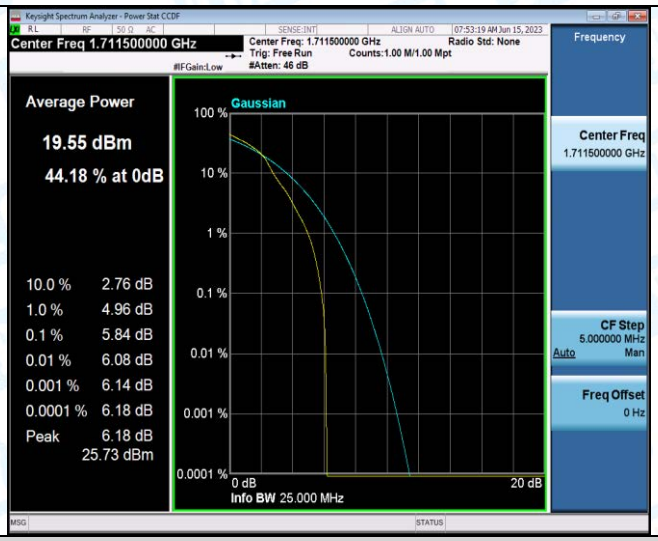
Band4-3MHz-QPSK-20385-1RB#0



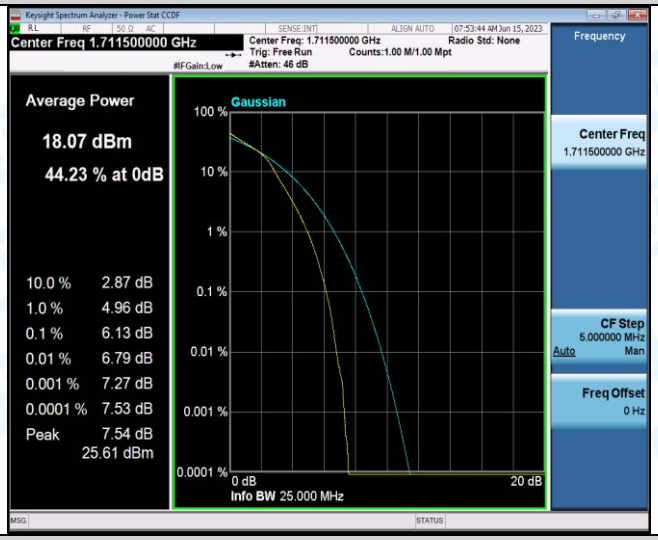
Band4-3MHz-QPSK-20385-15RB#0



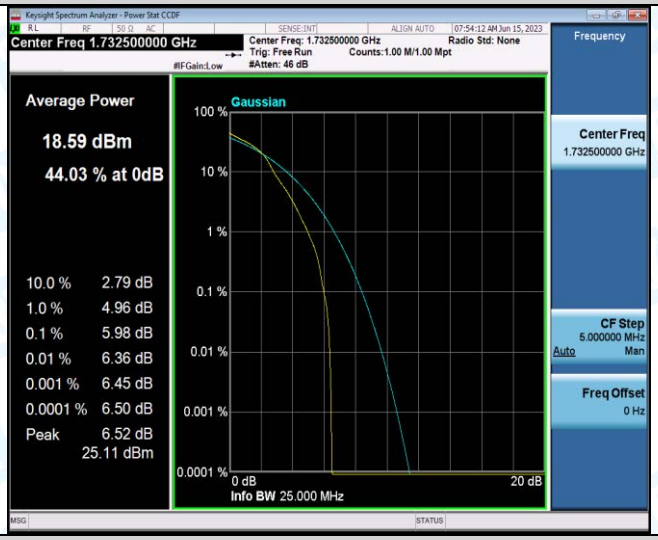
Band4-3MHz-16QAM-19965-1RB#0



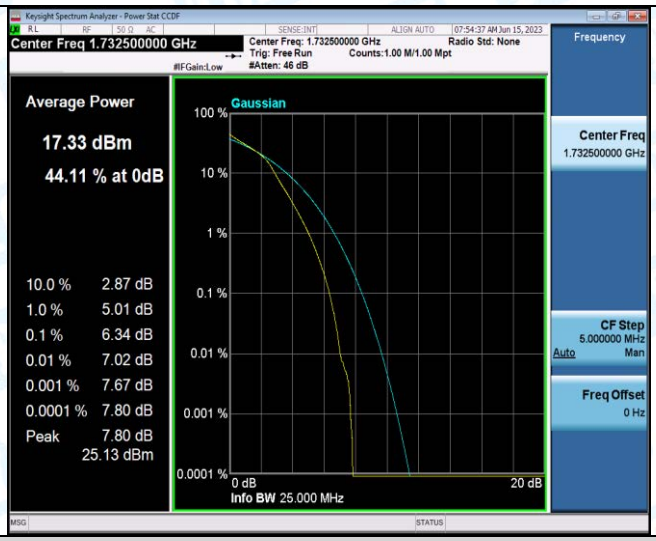
Band4-3MHz-16QAM-19965-15RB#0



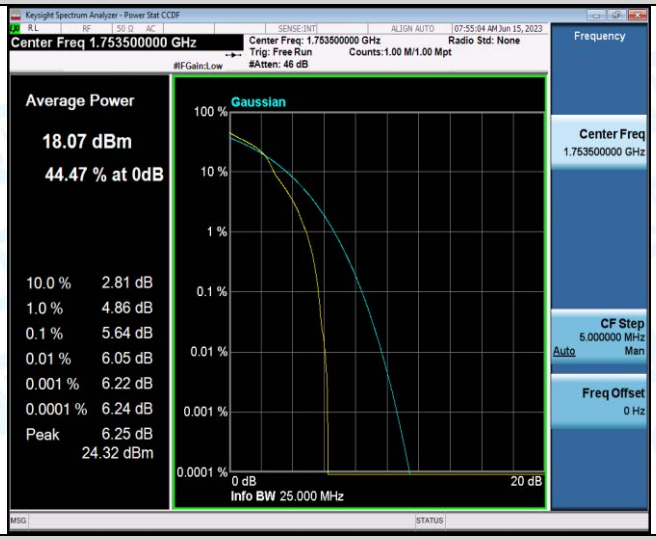
Band4-3MHz-16QAM-20175-1RB#0



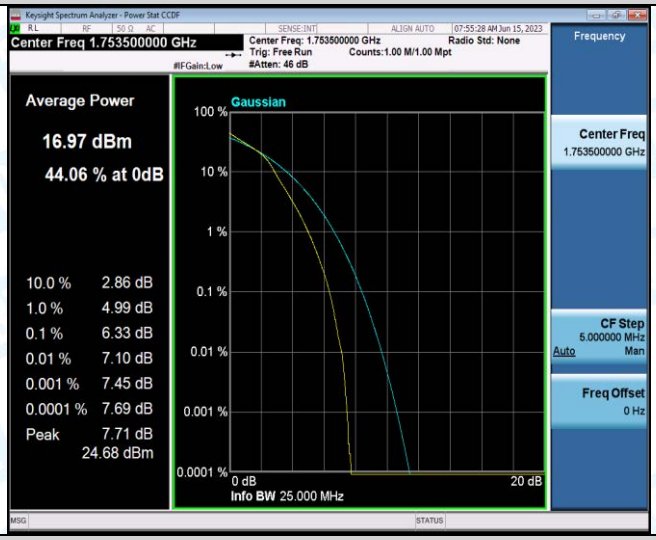
Band4-3MHz-16QAM-20175-15RB#0



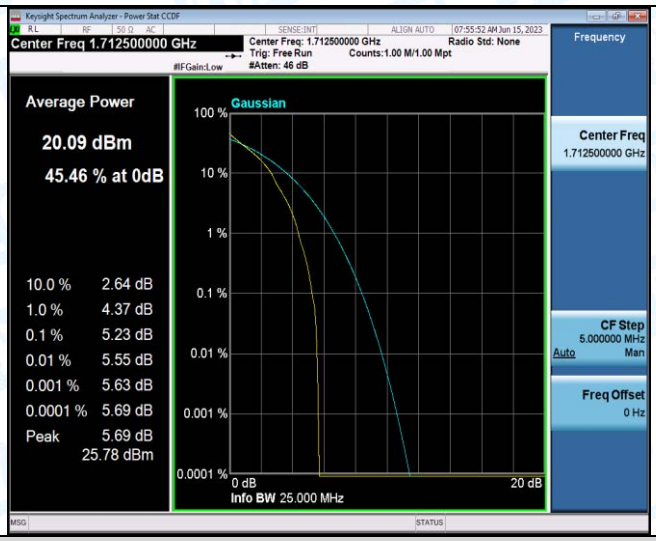
Band4-3MHz-16QAM-20385-1RB#0



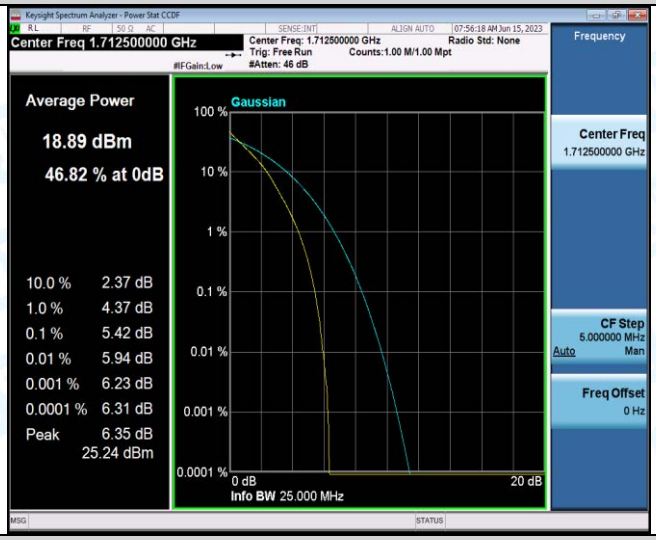
Band4-3MHz-16QAM-20385-15RB#0



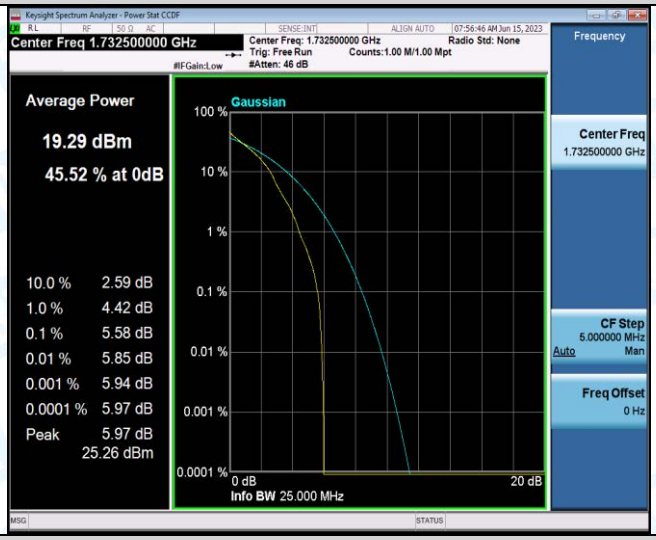
Band4-5MHz-QPSK-19975-1RB#0



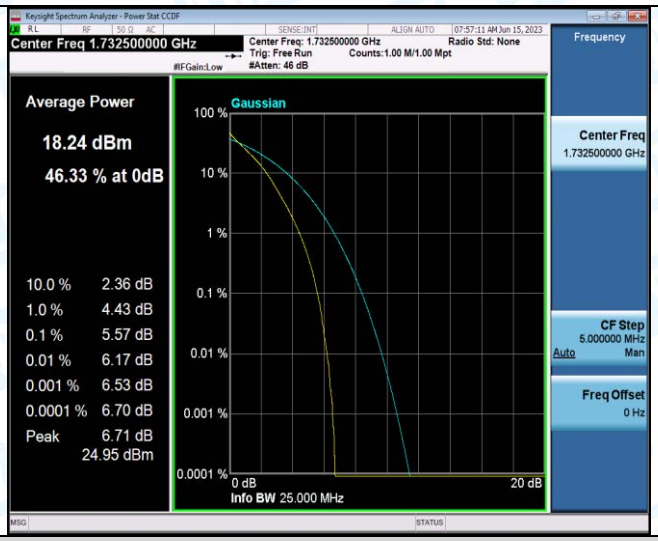
Band4-5MHz-QPSK-19975-25RB#0



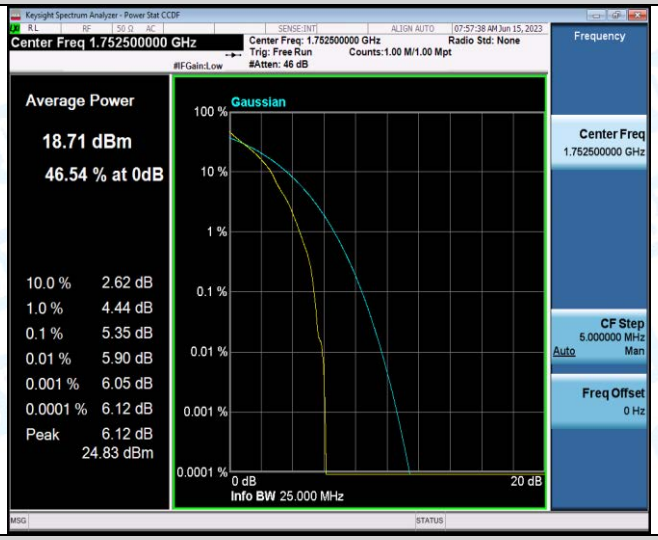
Band4-5MHz-QPSK-20175-1RB#0



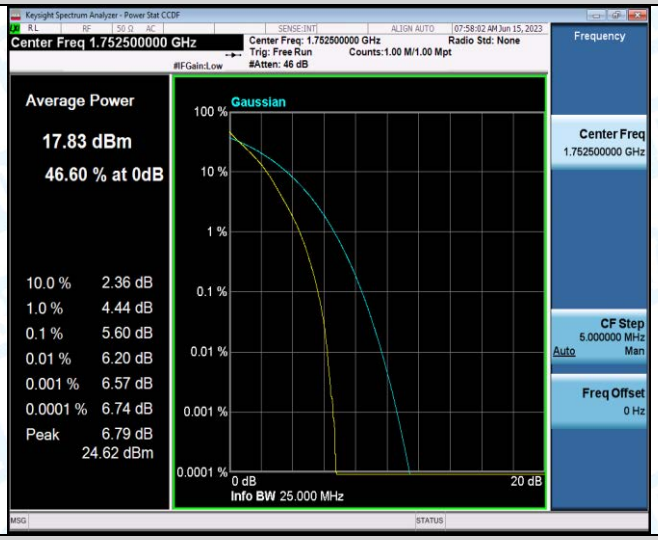
Band4-5MHz-QPSK-20175-25RB#0



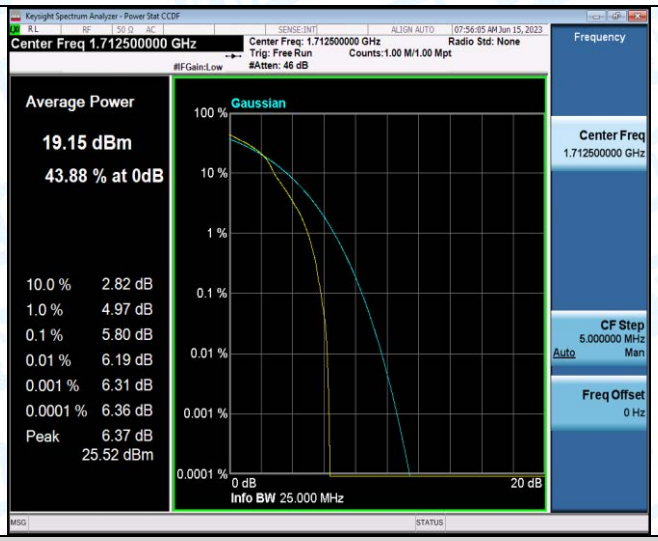
Band4-5MHz-QPSK-20375-1RB#0



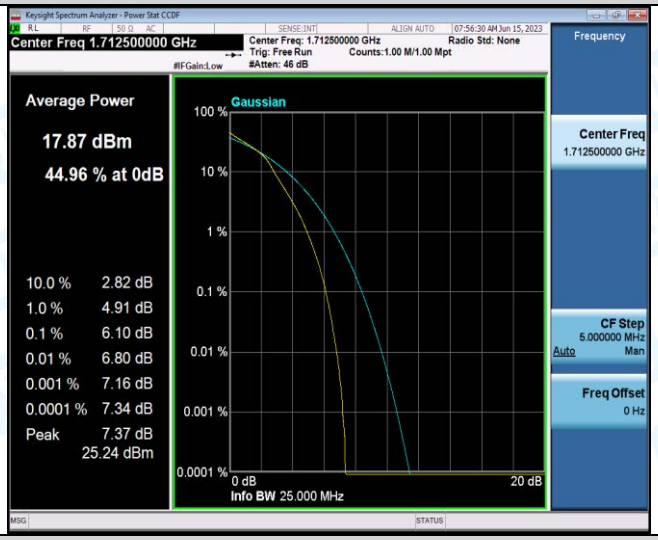
Band4-5MHz-QPSK-20375-25RB#0



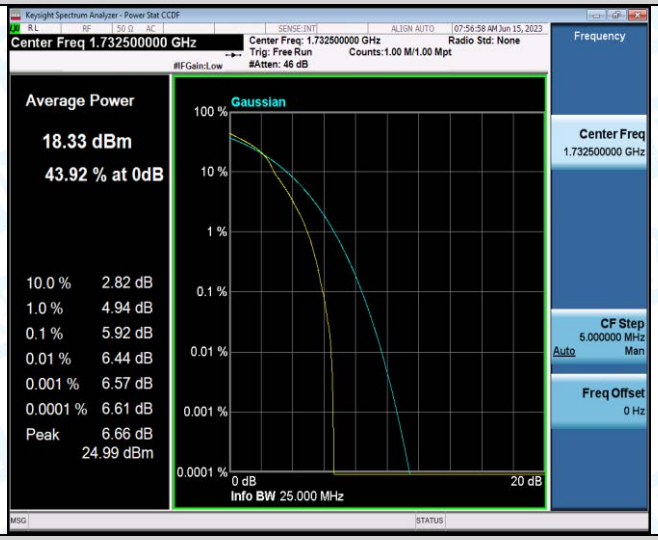
Band4-5MHz-16QAM-19975-1RB#0



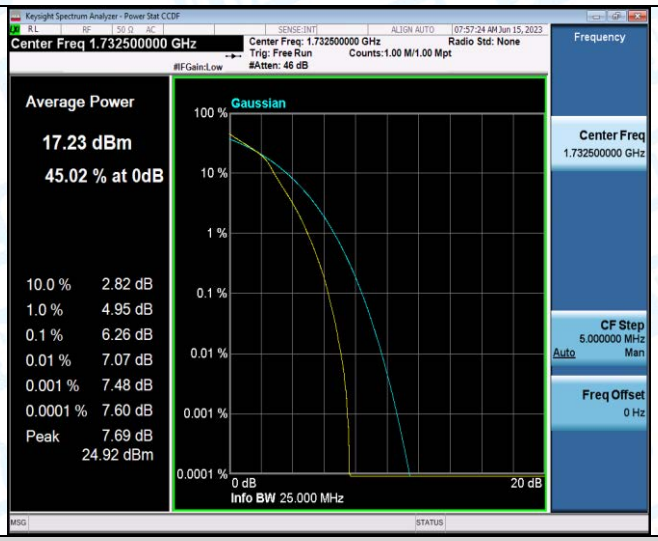
Band4-5MHz-16QAM-19975-25RB#0



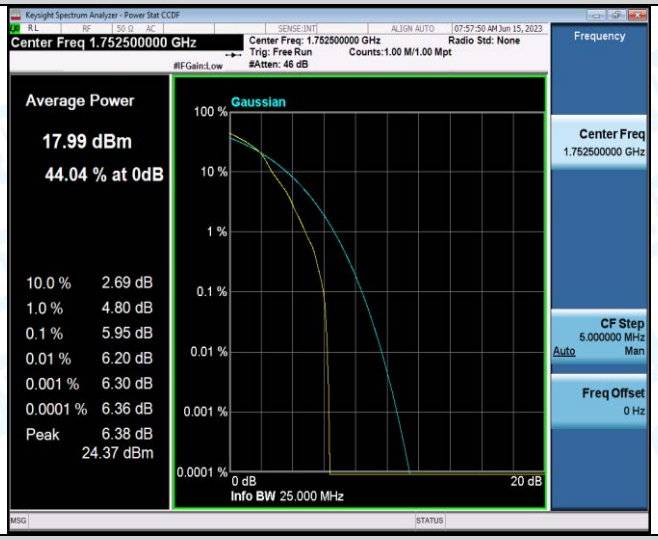
Band4-5MHz-16QAM-20175-1RB#0



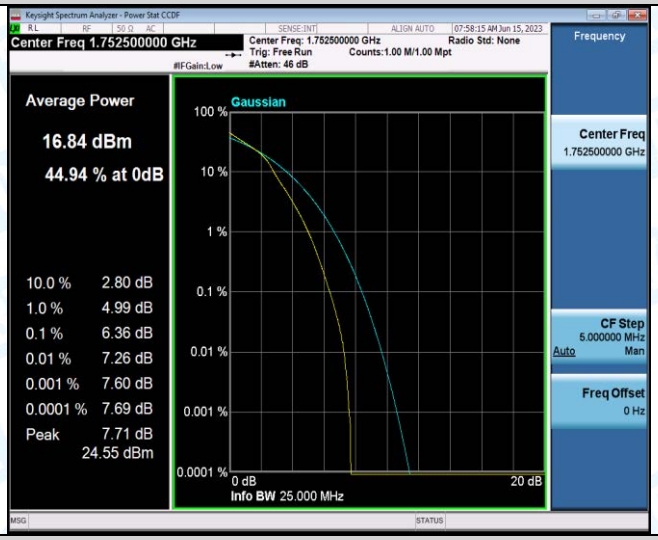
Band4-5MHz-16QAM-20175-25RB#0



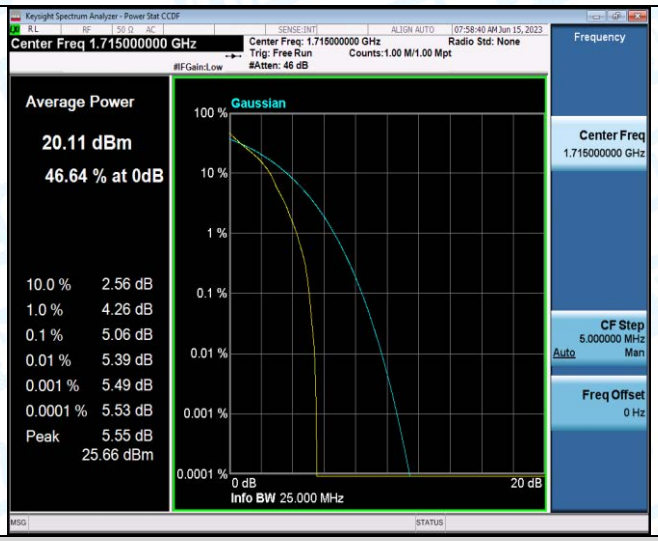
Band4-5MHz-16QAM-20375-1RB#0



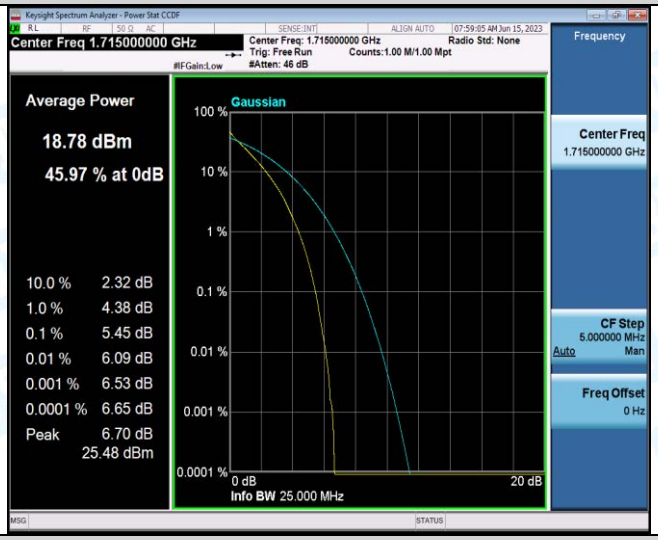
Band4-5MHz-16QAM-20375-25RB#0



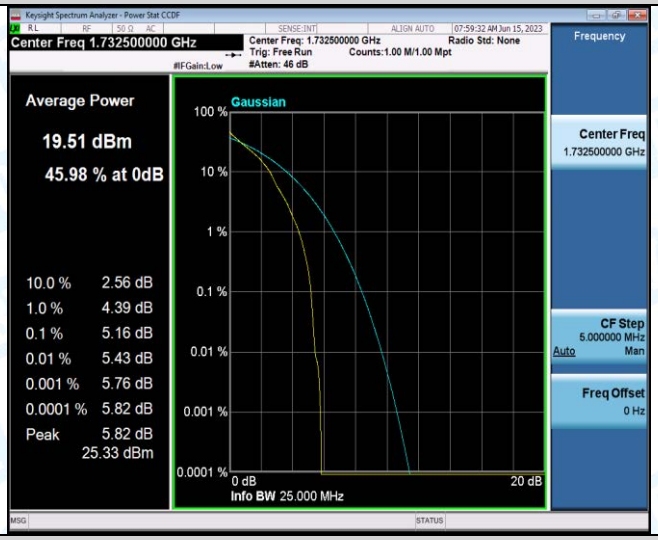
Band4-10MHz-QPSK-20000-1RB#0



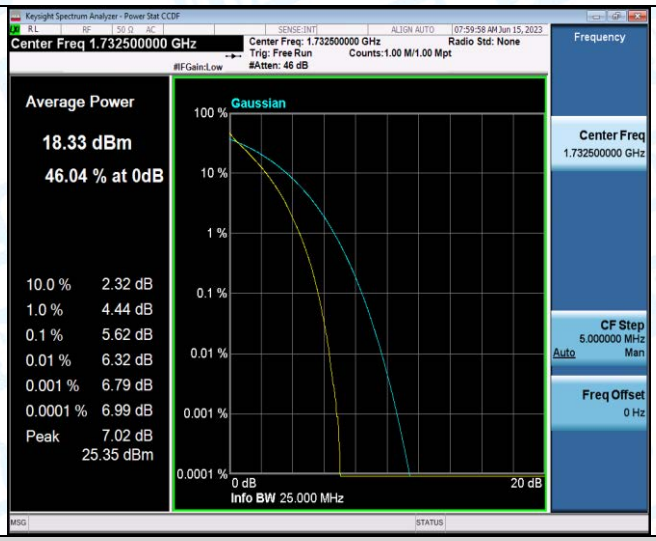
Band4-10MHz-QPSK-20000-50RB#0



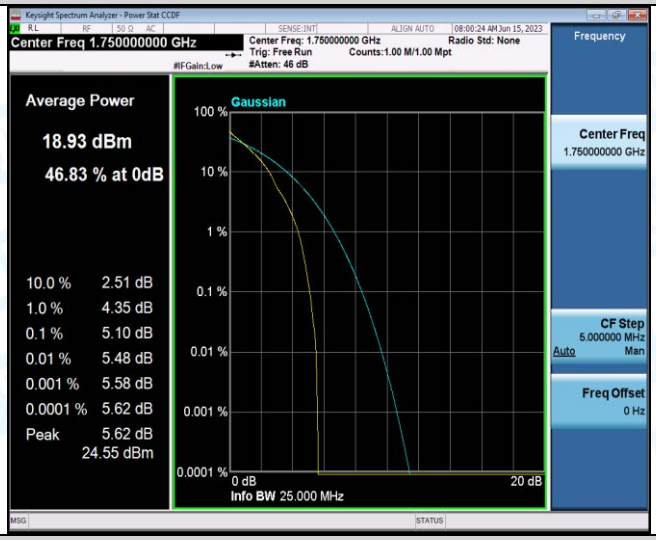
Band4-10MHz-QPSK-20175-1RB#0



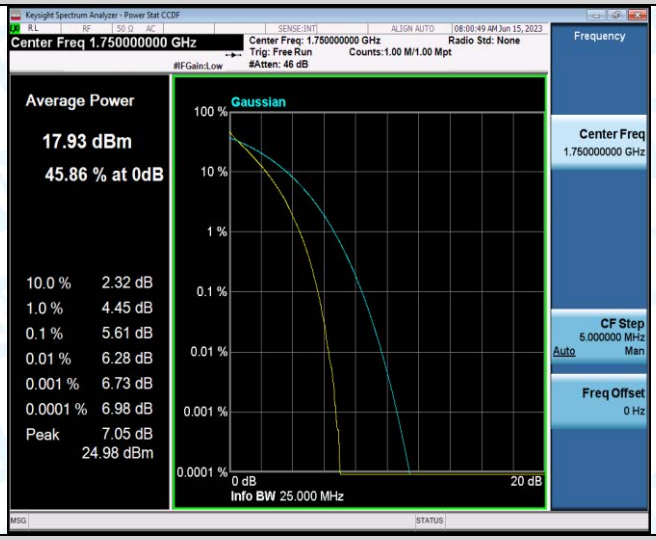
Band4-10MHz-QPSK-20175-50RB#0



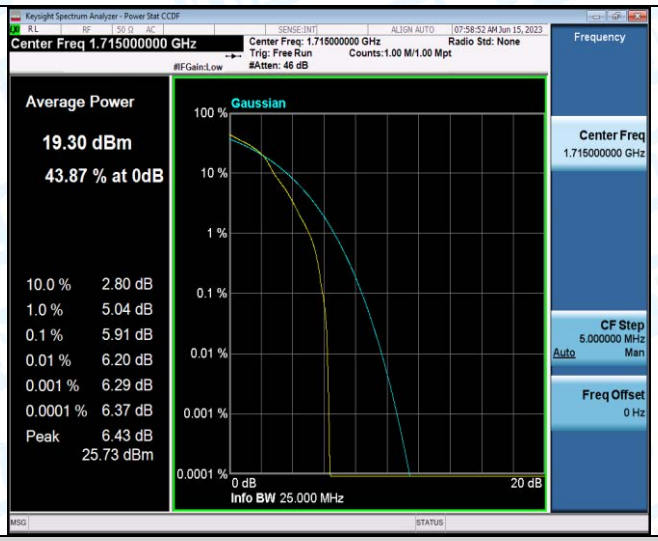
Band4-10MHz-QPSK-20350-1RB#0



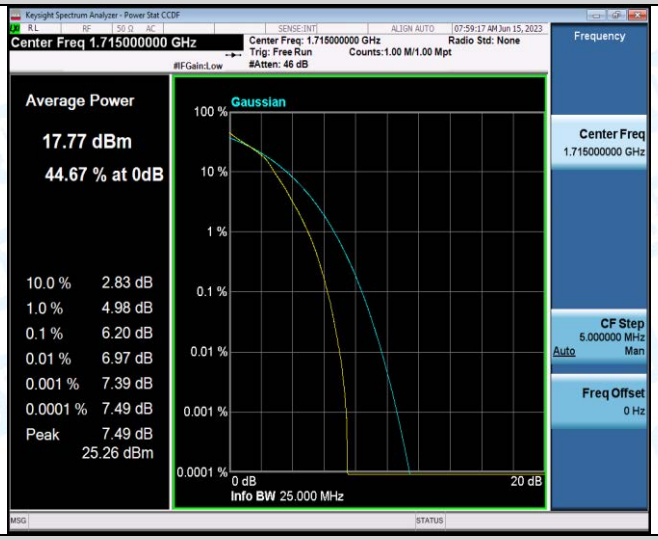
Band4-10MHz-QPSK-20350-50RB#0



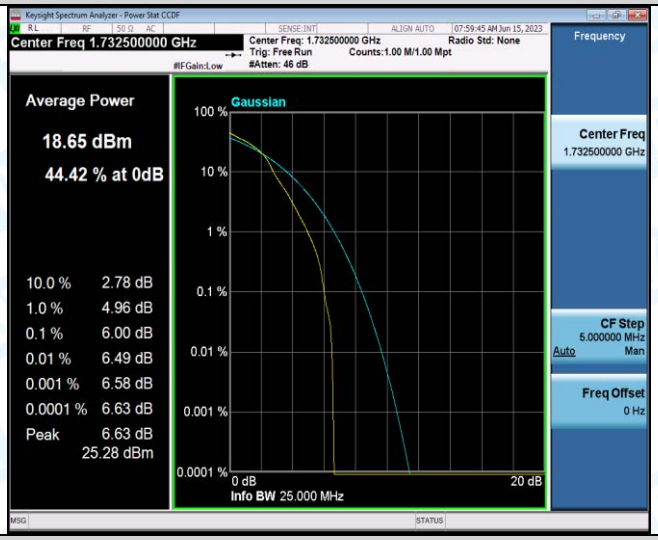
Band4-10MHz-16QAM-20000-1RB#0



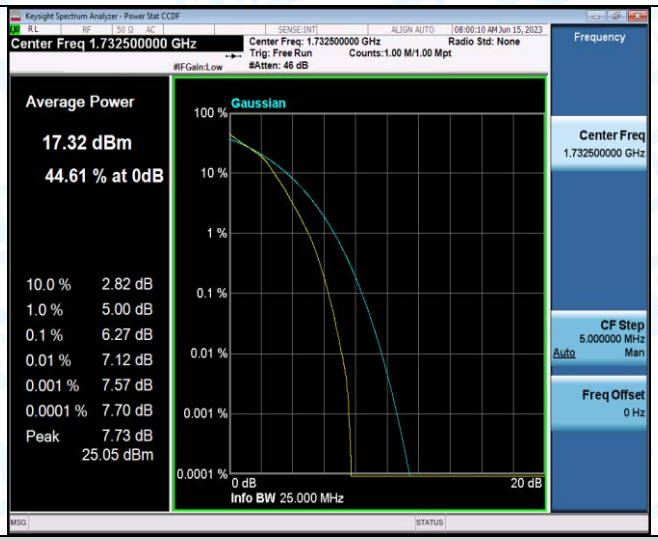
Band4-10MHz-16QAM-20000-50RB#0



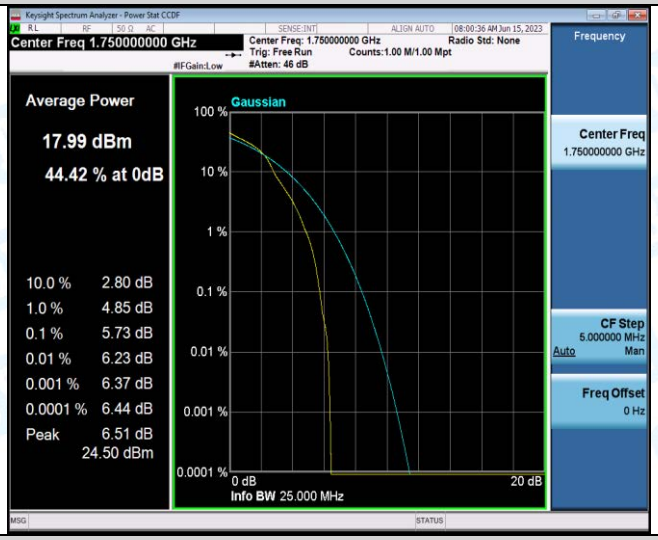
Band4-10MHz-16QAM-20175-1RB#0



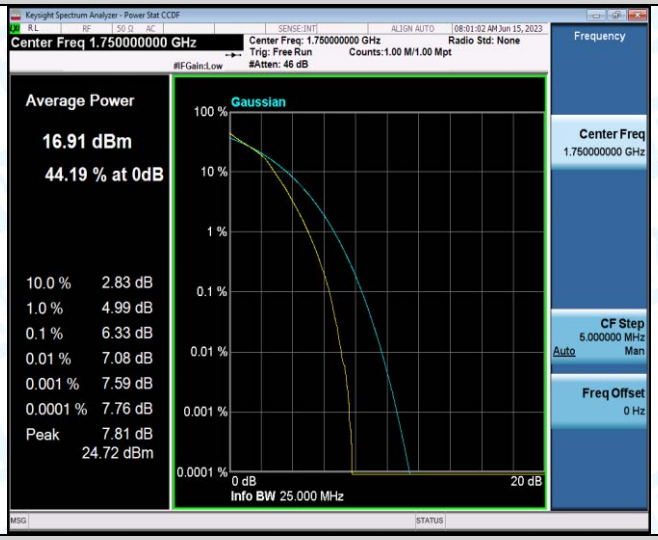
Band4-10MHz-16QAM-20175-50RB#0



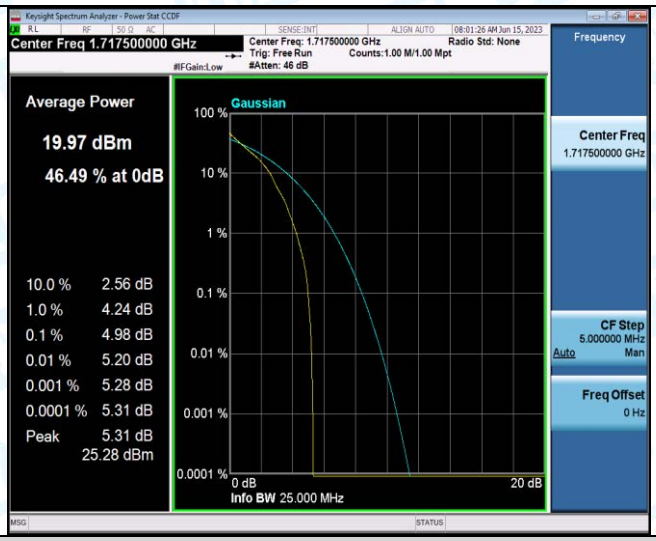
Band4-10MHz-16QAM-20350-1RB#0



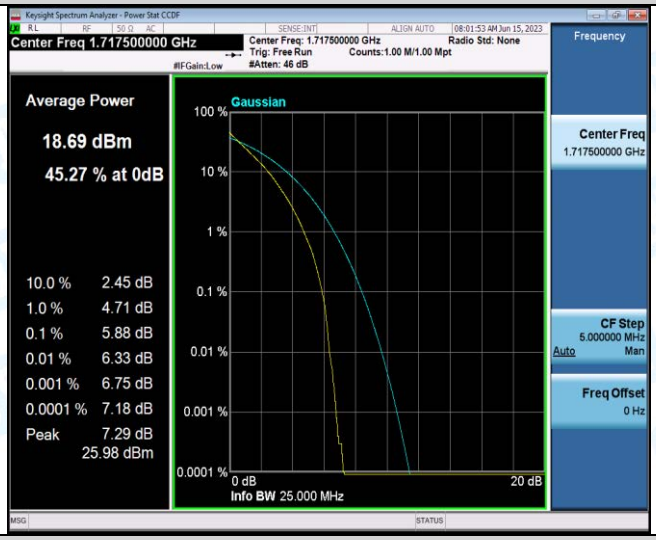
Band4-10MHz-16QAM-20350-50RB#0



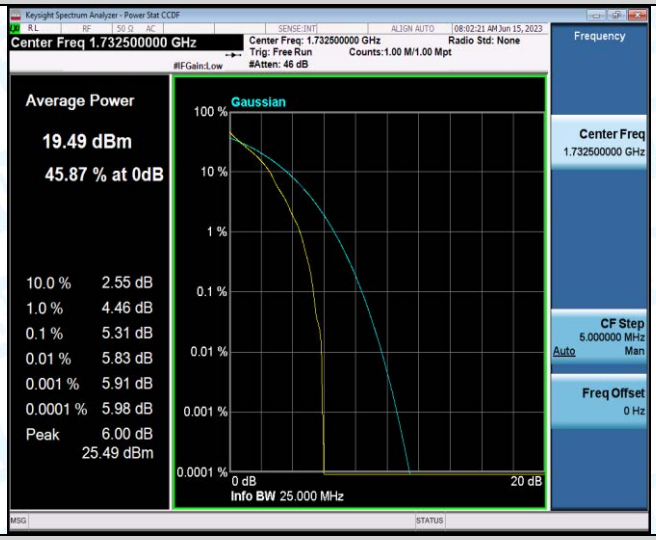
Band4-15MHz-QPSK-20025-1RB#0



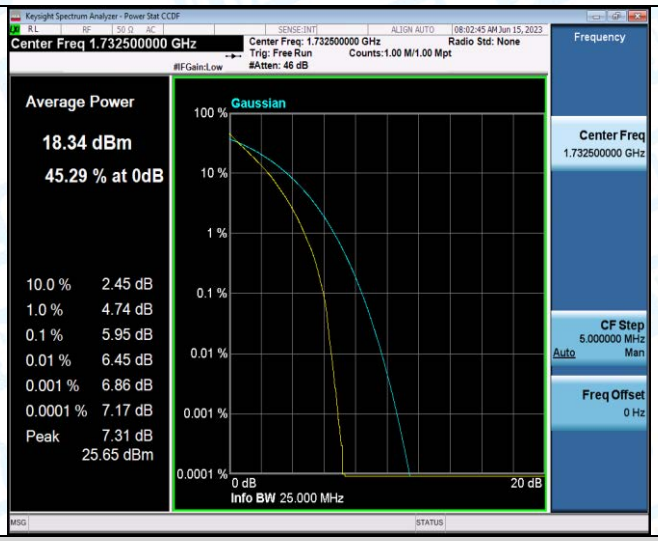
Band4-15MHz-QPSK-20025-75RB#0



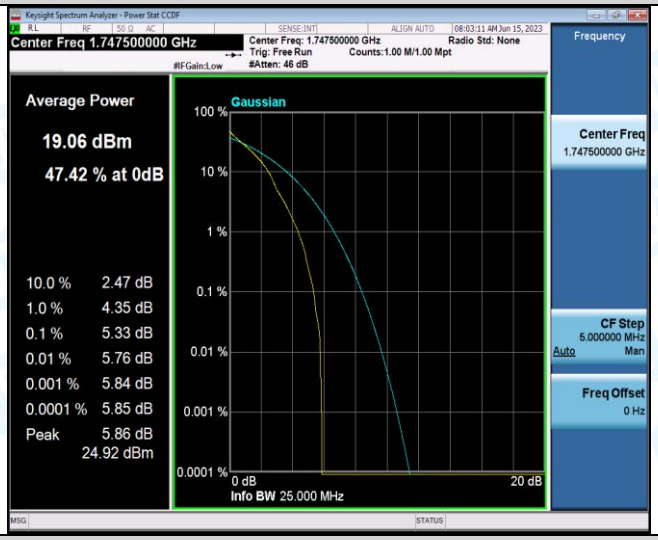
Band4-15MHz-QPSK-20175-1RB#0



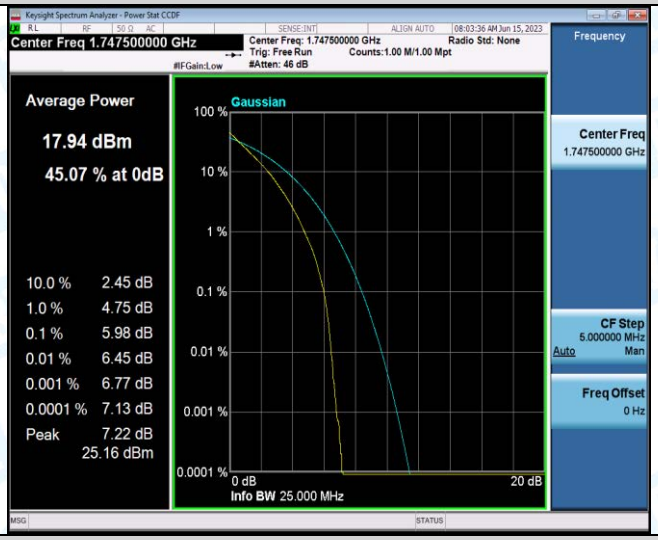
Band4-15MHz-QPSK-20175-75RB#0



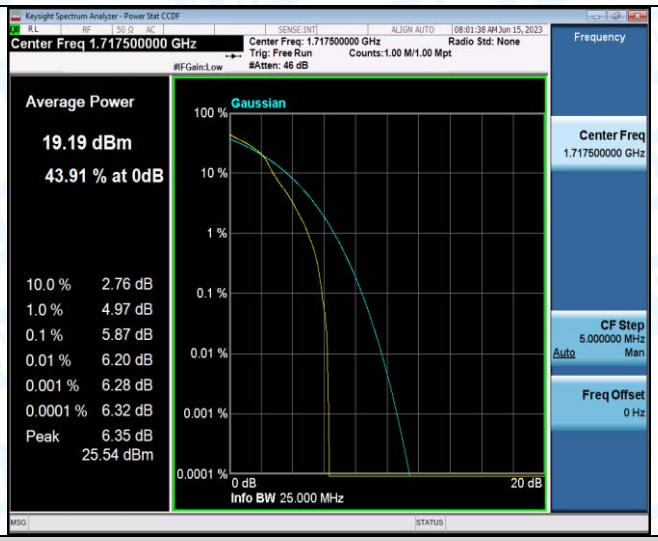
Band4-15MHz-QPSK-20325-1RB#0



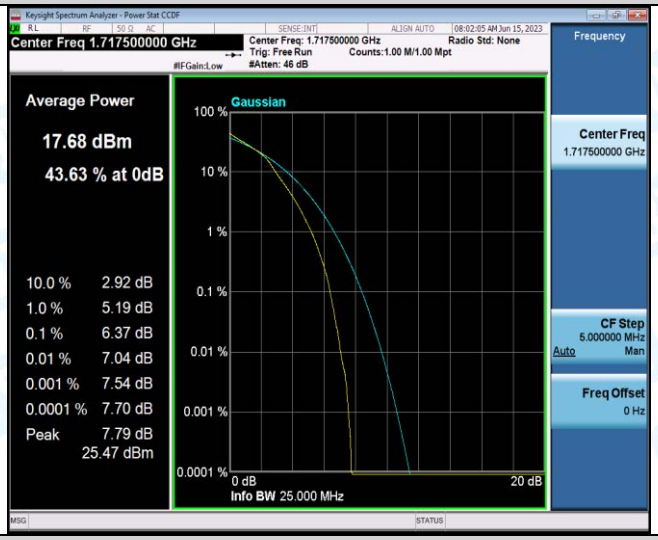
Band4-15MHz-QPSK-20325-75RB#0



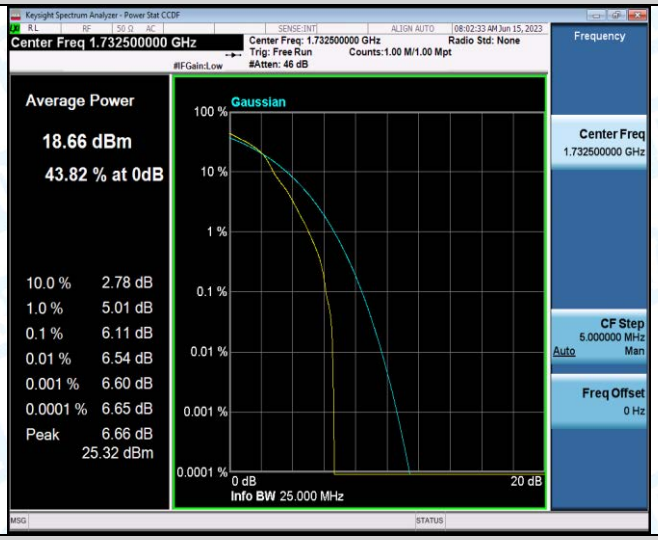
Band4-15MHz-16QAM-20025-1RB#0



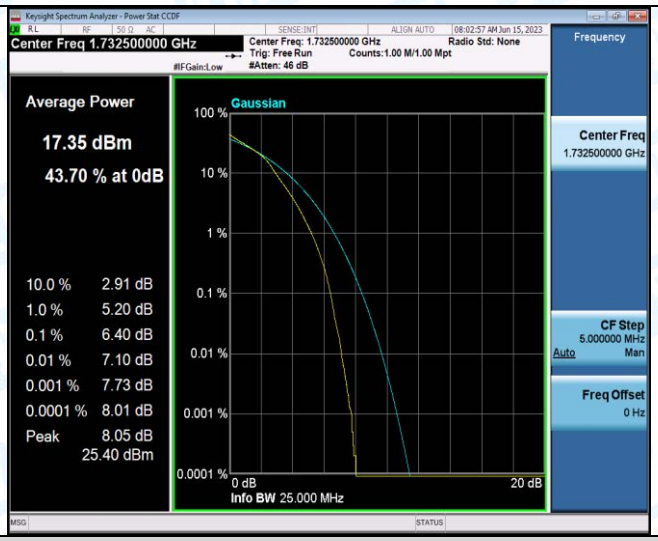
Band4-15MHz-16QAM-20025-75RB#0



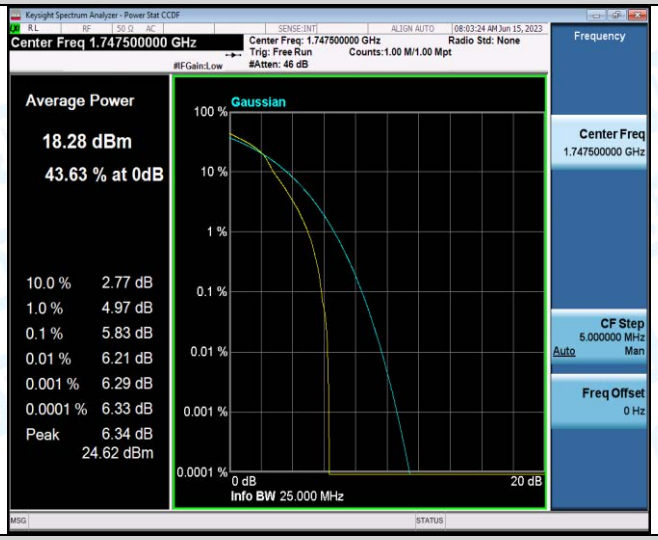
Band4-15MHz-16QAM-20175-1RB#0



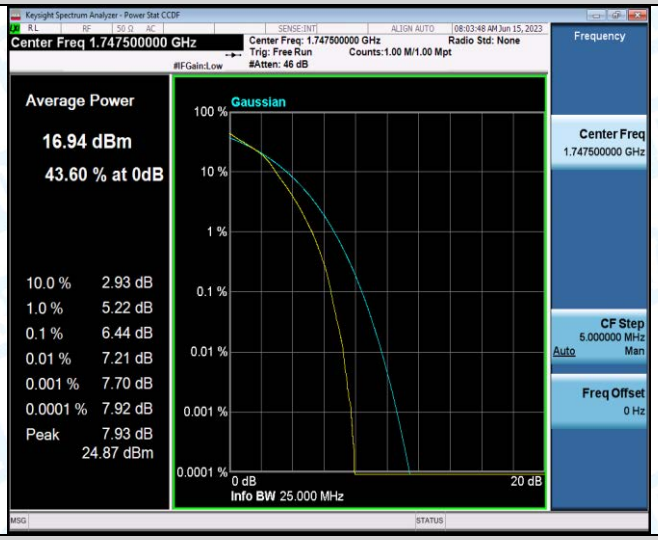
Band4-15MHz-16QAM-20175-75RB#0



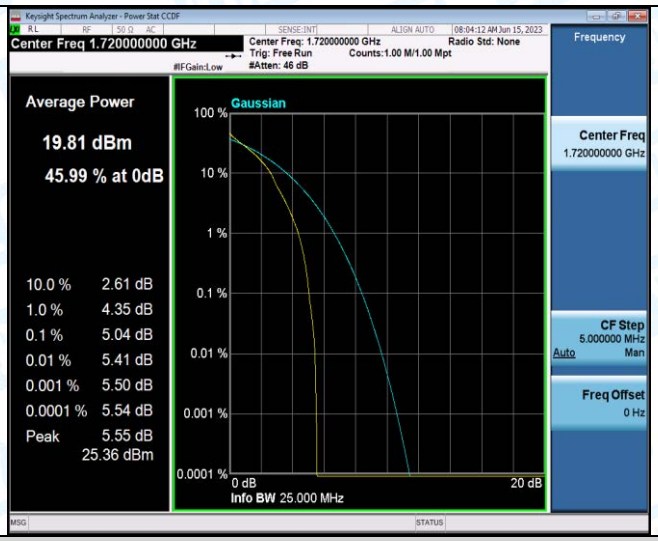
Band4-15MHz-16QAM-20325-1RB#0



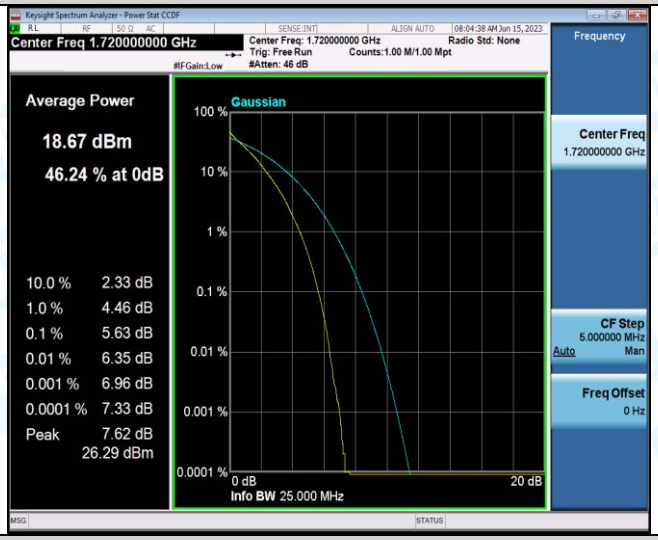
Band4-15MHz-16QAM-20325-75RB#0



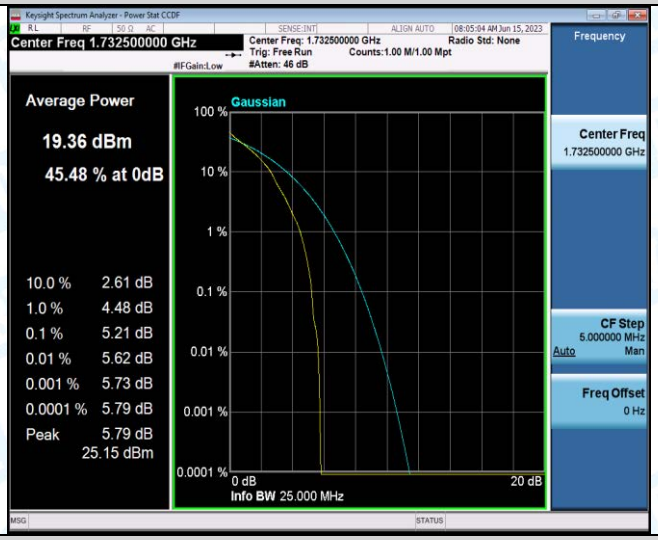
Band4-20MHz-QPSK-20050-1RB#0



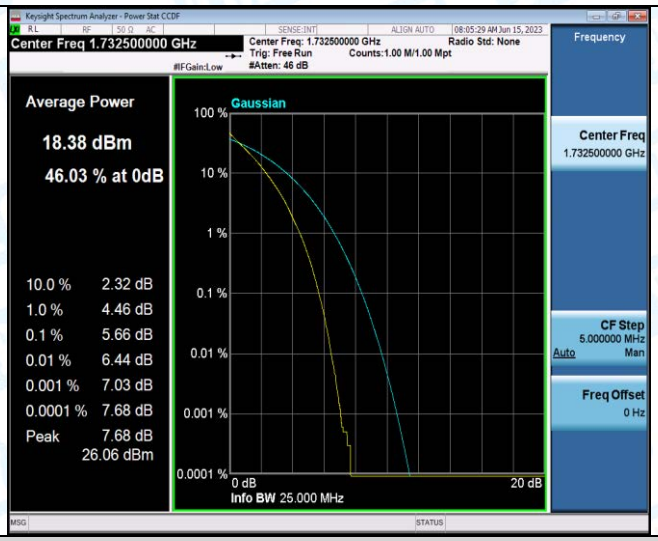
Band4-20MHz-QPSK-20050-100RB#0



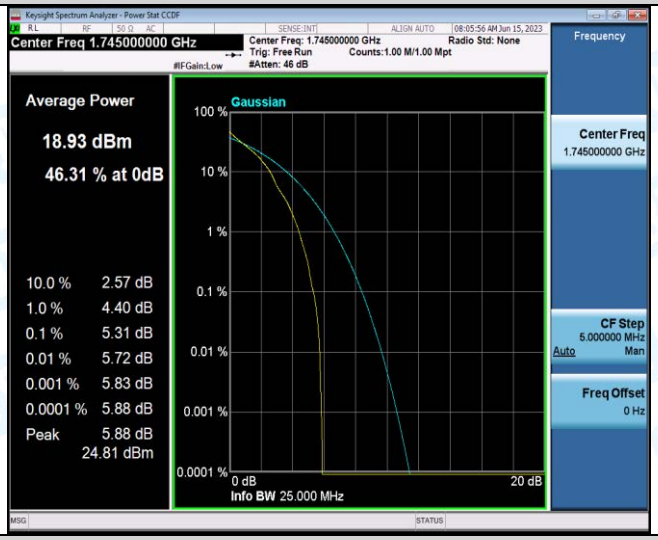
Band4-20MHz-QPSK-20175-1RB#0



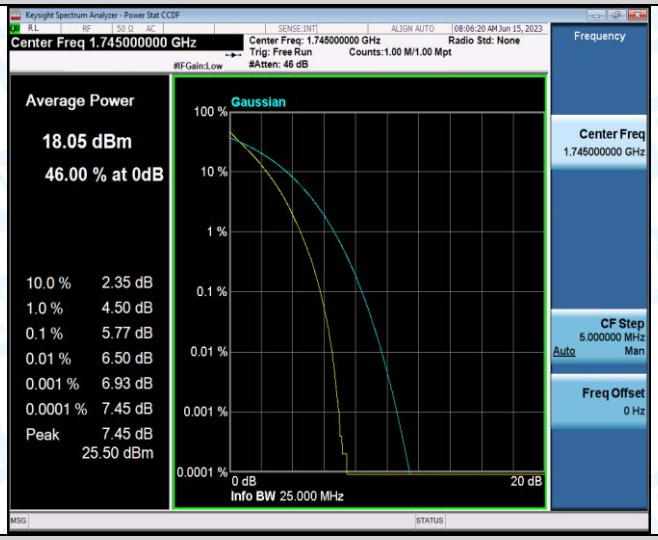
Band4-20MHz-QPSK-20175-100RB#0



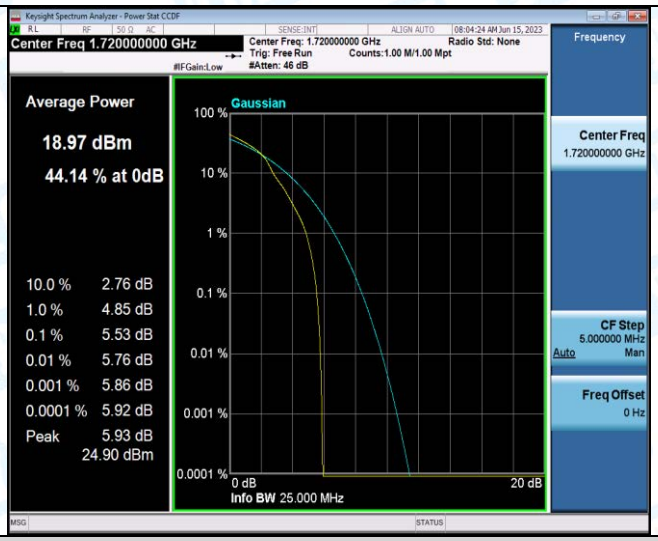
Band4-20MHz-QPSK-20300-1RB#0



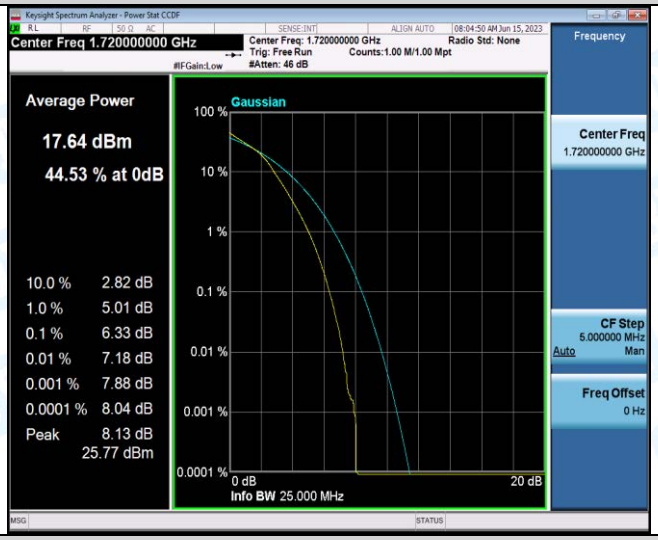
Band4-20MHz-QPSK-20300-100RB#0



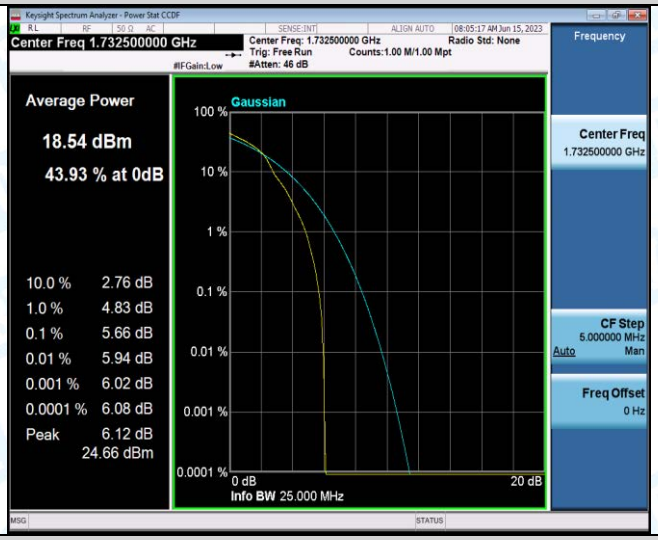
Band4-20MHz-16QAM-20050-1RB#0



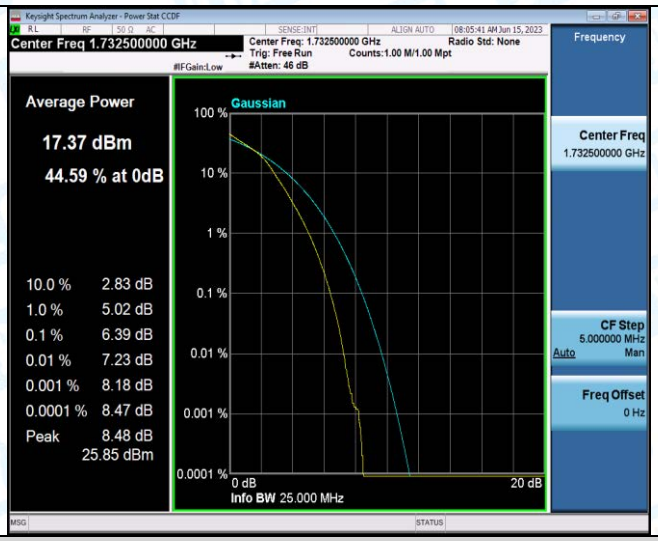
Band4-20MHz-16QAM-20050-100RB#0



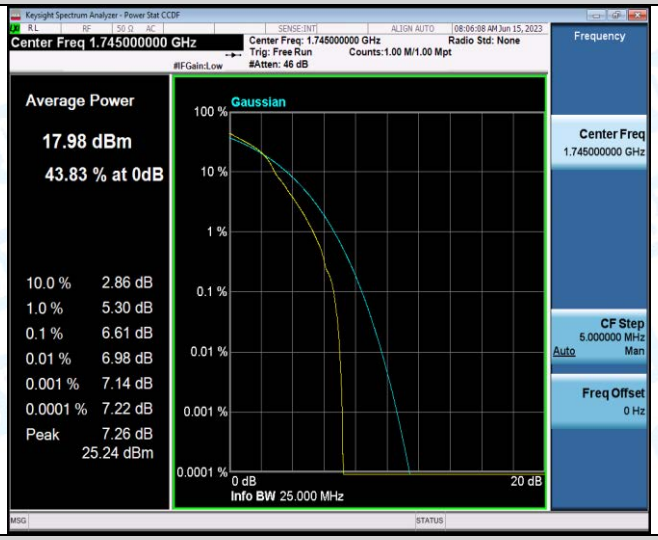
Band4-20MHz-16QAM-20175-1RB#0



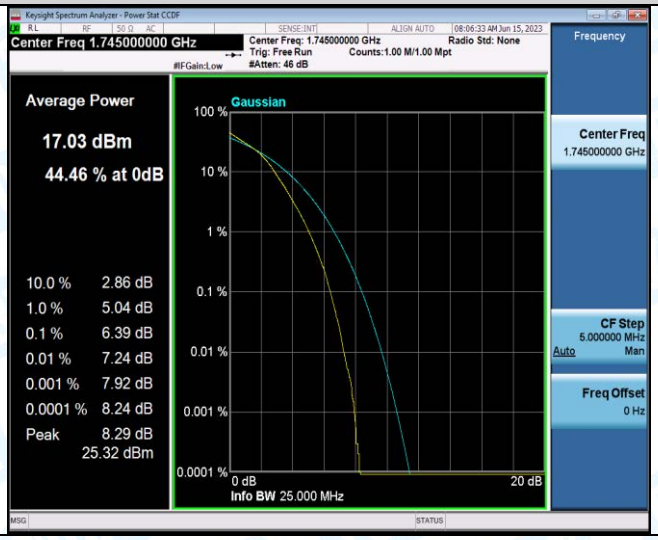
Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-1RB#0



Band4-20MHz-16QAM-20300-100RB#0



3. 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0942	1.307	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0935	1.291	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.1012	1.305	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1018	1.294	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0971	1.290	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0908	1.293	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7006	2.969	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6981	2.952	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7052	2.965	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6964	2.965	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7066	2.985	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6968	2.985	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5219	5.021	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5215	5.023	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5003	4.995	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5043	4.980	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4978	4.984	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5238	5.020	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9801	9.953	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9744	9.931	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9880	9.921	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9787	9.795	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9632	9.874	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9666	9.868	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.472	14.83	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.450	14.74	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.436	14.72	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.465	14.75	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.436	14.71	PASS

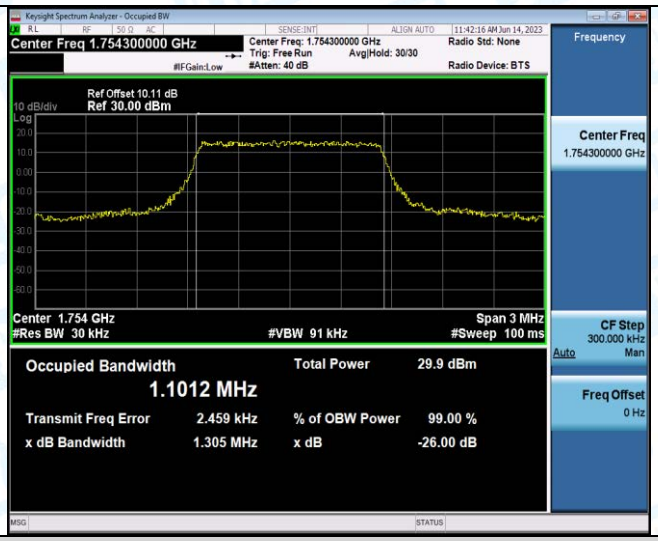
Band4	15MHz	16QAM	20325	75RB#0	13.450	14.81	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.926	19.43	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.880	19.37	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.908	19.35	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.958	19.44	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.856	19.42	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.931	19.40	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0

Band4-1.4MHz-QPSK-20175-6RB#0

Band4-1.4MHz-QPSK-20393-6RB#0

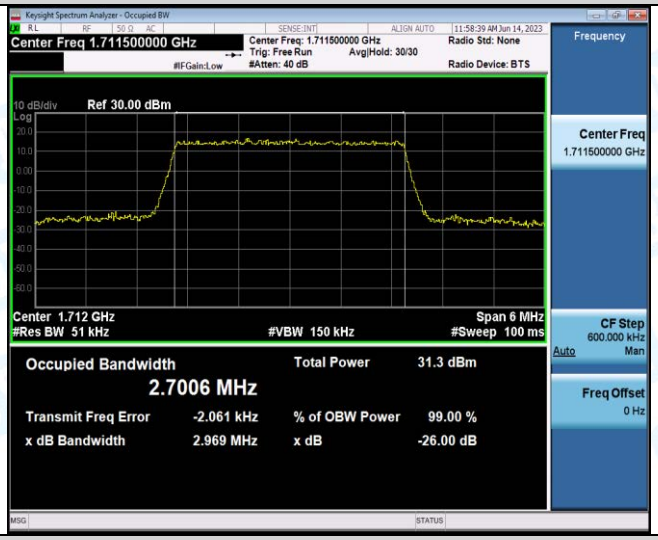


Band4-1.4MHz-16QAM-19957-6RB#0

Band4-1.4MHz-16QAM-20175-6RB#0

Band4-1.4MHz-16QAM-20393-6RB#0

Band4-3MHz-QPSK-19965-15RB#0



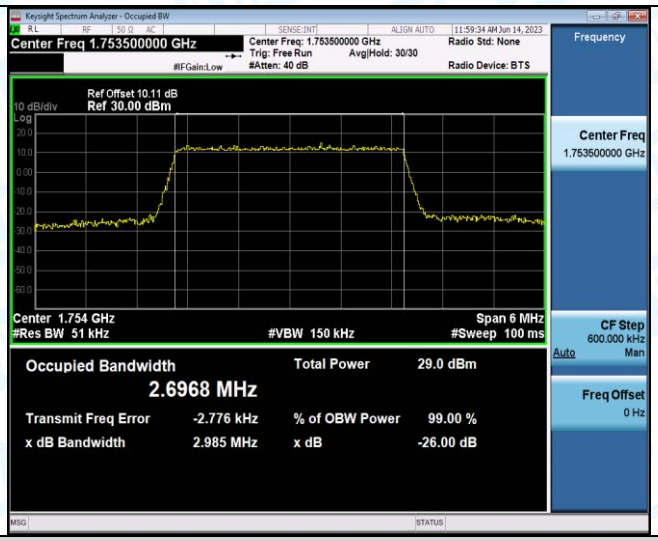
Band4-3MHz-QPSK-20175-15RB#0

Band4-3MHz-QPSK-20385-15RB#0

Band4-3MHz-16QAM-19965-15RB#0

Band4-3MHz-16QAM-20175-15RB#0

Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-25RB#0

Band4-5MHz-QPSK-20175-25RB#0

Band4-5MHz-QPSK-20375-25RB#0