

Appendix for LTE Band 4

Applicant: Launch Tech Co., Ltd.

**Address: No.4012, Launch Industrial Park, North
Wuhe Rd, Bantian Street, Longgang District,
Shenzhen, China**

Product Name: Car Sense Vision

Model: YG5201

CONTENTS

APPENDIX A: CONDUCTED OUTPUT POWER.....3

APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF)9

APPENDIX C: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH35

APPENDIX D: BAND EDGE.....48

APPENDIX E: CONDUCTED SPURIOUS EMISSION74

APPENDIX F: FREQUENCY STABILITY..... 139

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.74	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.54	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.72	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.49	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.73	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.62	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.28	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.57	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.79	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.72	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.24	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.66	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.69	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.75	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.66	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.92	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.37	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.74	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.70	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.77	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.75	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.78	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.09	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.80	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.70	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.74	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.94	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.52	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.93	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.27	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.54	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.87	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.76	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.47	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.65	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	22.95	PASS

Band4	1.4MHz	QPSK	20393	3RB#3	23.71	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.48	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.65	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.75	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.76	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.10	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.87	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.19	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.77	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.07	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.61	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.93	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.66	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.80	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.78	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.01	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.82	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.73	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.66	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.38	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.81	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.51	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.68	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.42	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.75	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.99	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.82	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.94	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.79	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.94	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.79	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.97	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.57	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.46	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.82	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.73	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.55	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.48	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.67	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.04	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.69	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.72	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.56	PASS

Band4	3MHz	16QAM	20385	8RB#7	22.03	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.68	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.71	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.63	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.84	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.63	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.16	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.67	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.90	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.69	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.92	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.79	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.85	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.67	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.92	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.71	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.89	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.94	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.70	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.84	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.21	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.69	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.81	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.85	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.85	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.76	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.85	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.87	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.72	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.90	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.06	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.62	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.20	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.87	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.09	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.71	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.72	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.58	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.70	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.60	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.72	PASS

Band4	5MHz	QPSK	20375	25RB#0	22.67	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.87	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.73	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.61	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.91	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.36	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.79	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.58	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.90	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.96	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.85	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.86	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.61	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.95	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.94	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.82	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.85	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.60	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.73	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.64	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.80	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.62	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.65	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.89	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.73	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.87	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.81	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.92	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.79	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.93	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.66	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.59	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.85	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.68	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.62	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.43	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.72	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.69	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.65	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.92	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.56	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.76	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.72	PASS

Band4	10MHz	16QAM	20350	50RB#0	21.87	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.29	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.44	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.75	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.70	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.37	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.53	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.83	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.80	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.62	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.90	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.86	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.91	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.73	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.88	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.87	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.61	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.85	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.76	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.85	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.56	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.92	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.89	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.58	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.86	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.77	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.85	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.96	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.84	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.62	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.60	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.81	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.77	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.65	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.54	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.79	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.85	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.73	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.88	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.59	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.85	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.81	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.82	PASS

Band4	20MHz	QPSK	20050	1RB#0	23.70	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.17	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.94	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.04	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.74	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.03	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.66	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.84	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.71	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.89	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.78	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.94	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.82	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.88	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.63	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.83	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.76	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.80	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.62	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.83	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.76	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.02	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.62	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.93	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.72	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.01	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.70	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.84	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.95	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.95	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.60	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.81	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.84	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.88	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.59	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.98	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.67	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.77	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.68	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.90	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.63	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.84	PASS

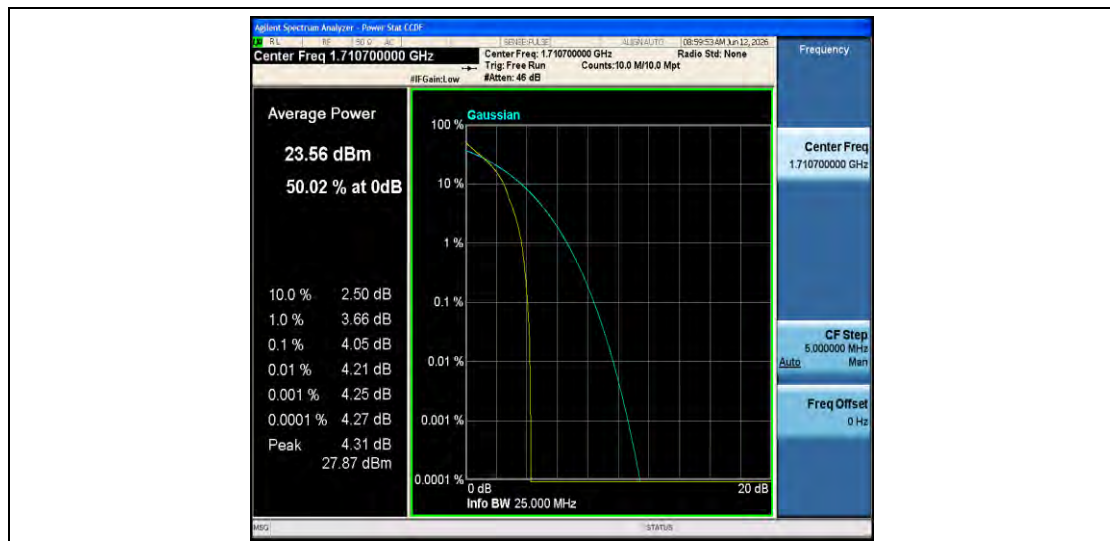
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

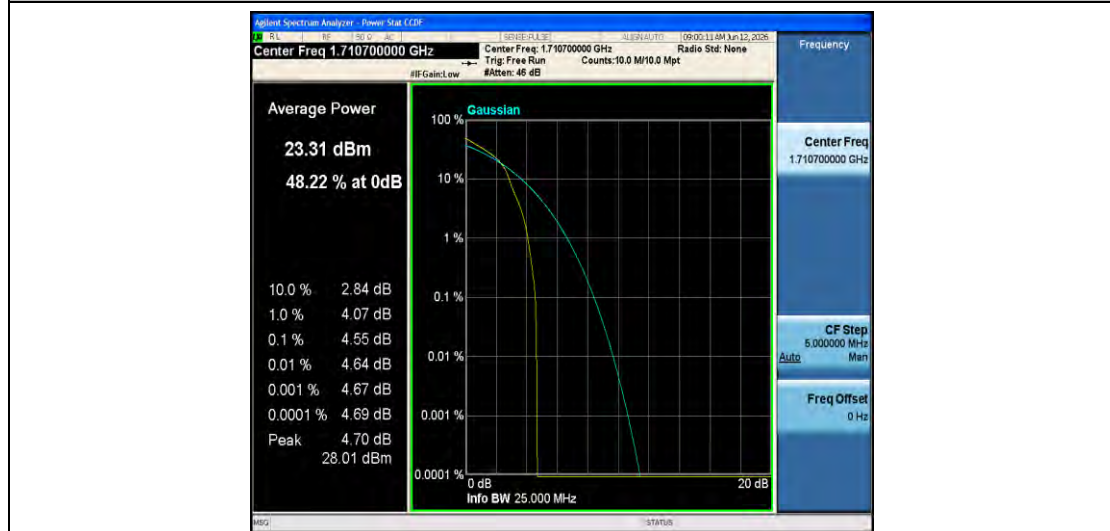
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.05	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.55	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.75	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.55	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.43	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.05	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.04	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.73	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.17	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.05	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.01	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.69	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.10	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.93	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.85	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.68	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.53	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.35	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.07	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.90	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.31	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.03	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.00	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.72	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.09	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.22	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.93	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.67	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.49	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.52	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.03	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.90	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.11	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.07	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.04	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.78	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.07	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.12	13	PASS

Band4	10MHz	QPSK	20000	50RB#0	5.10	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.89	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.58	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.71	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.14	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.88	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.99	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.67	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.91	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.73	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.11	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.14	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.49	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.07	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.58	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.50	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.43	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.02	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.10	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.52	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.26	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.90	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.08	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.44	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.17	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.74	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.47	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.35	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.07	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.15	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.00	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.27	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.98	13	PASS

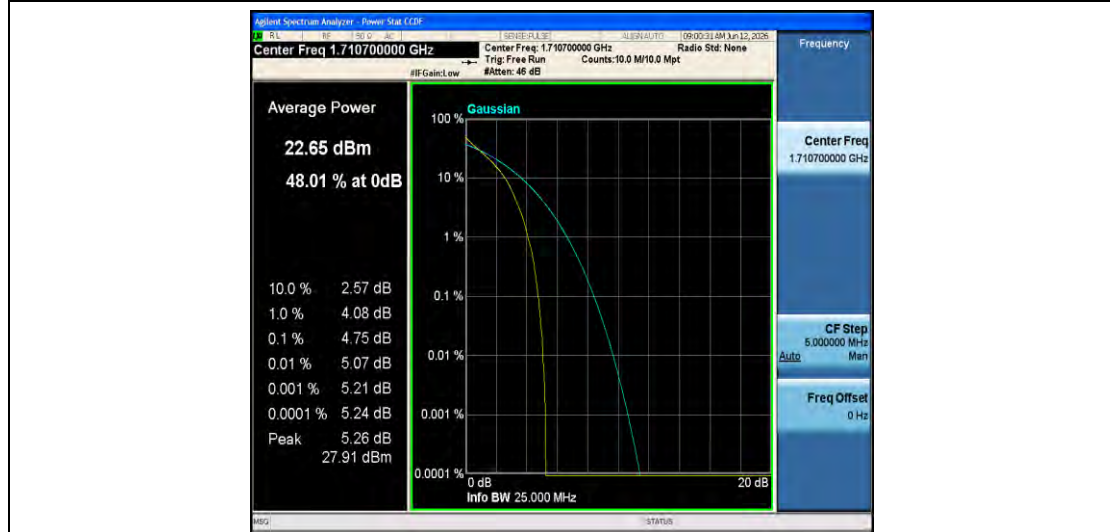
Test Graphs



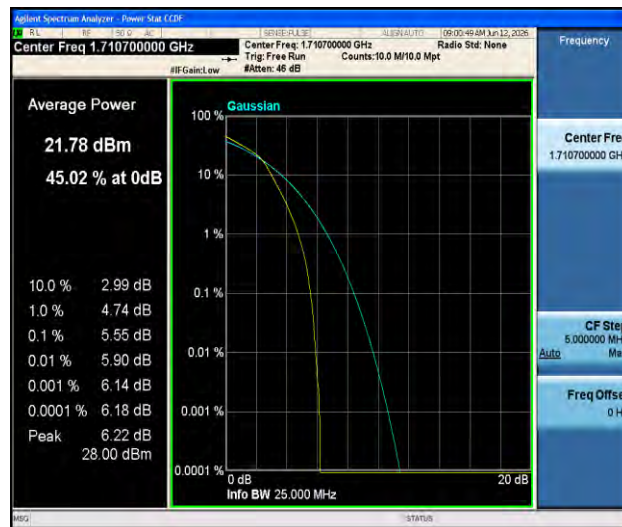
Band4-1.4MHz-QPSK-19957-1RB#0-PASS



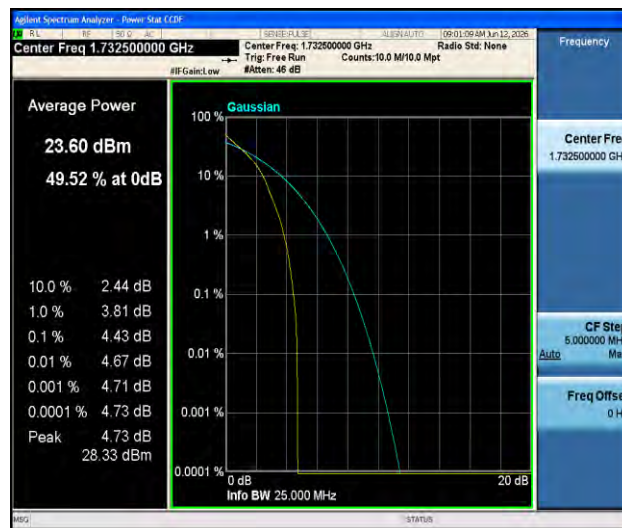
Band4-1.4MHz-16QAM-19957-1RB#0-PASS



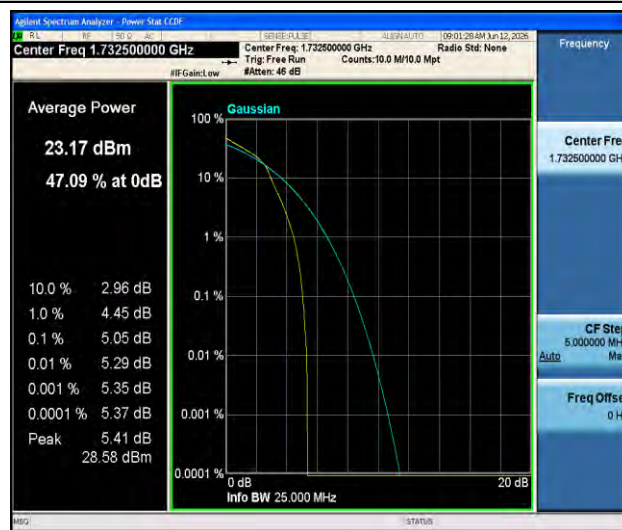
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



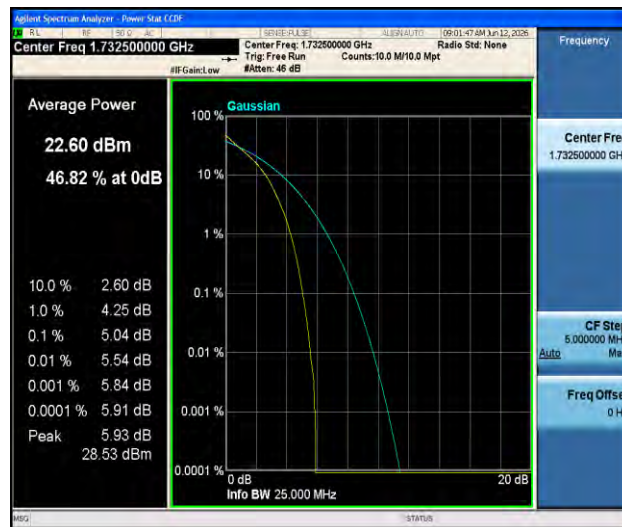
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



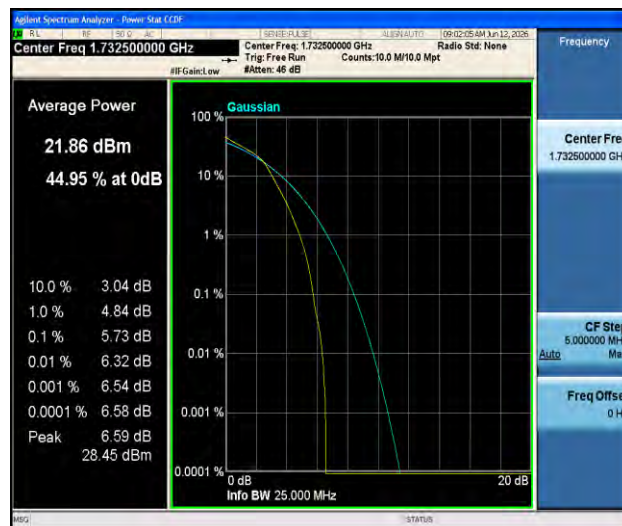
Band4-1.4MHz-QPSK-20175-1RB#0-PASS



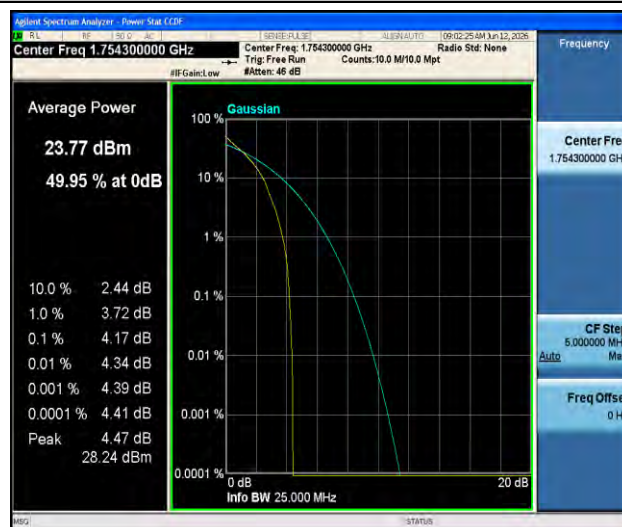
Band4-1.4MHz-16QAM-20175-1RB#0-PASS



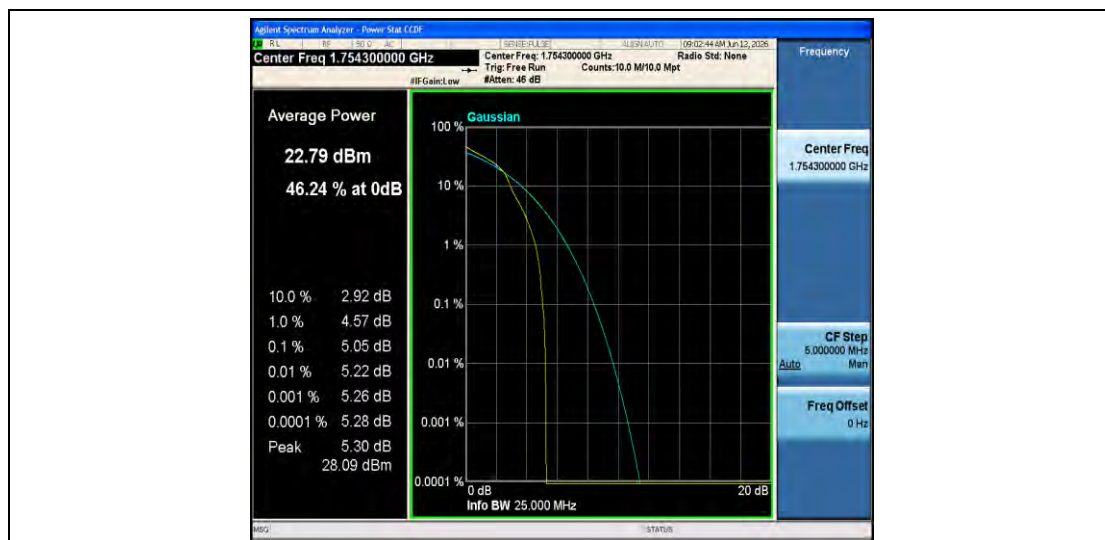
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



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



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



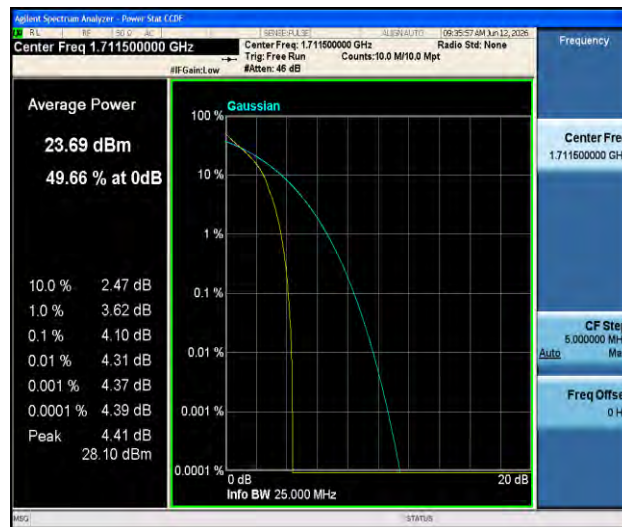
Band4-1.4MHz-16QAM-20393-1RB#0-PASS



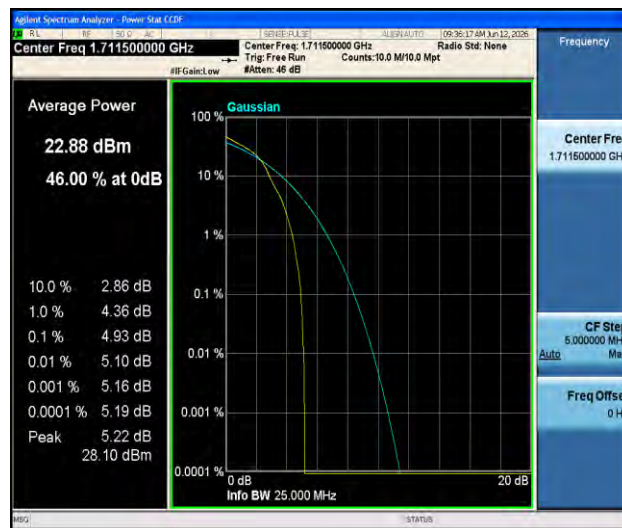
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



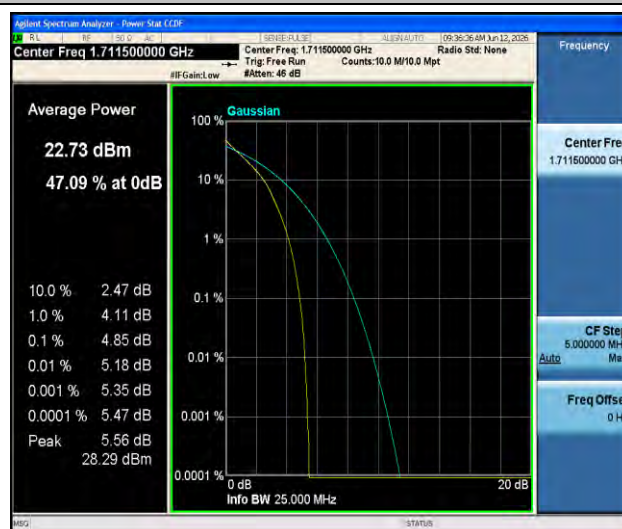
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



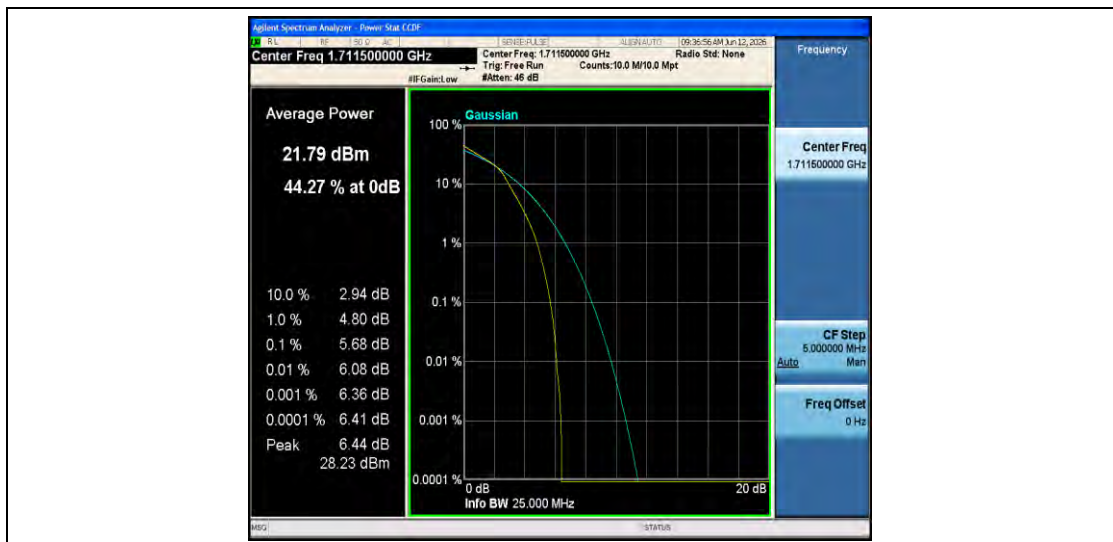
Band4-3MHz-QPSK-19965-1RB#0-PASS



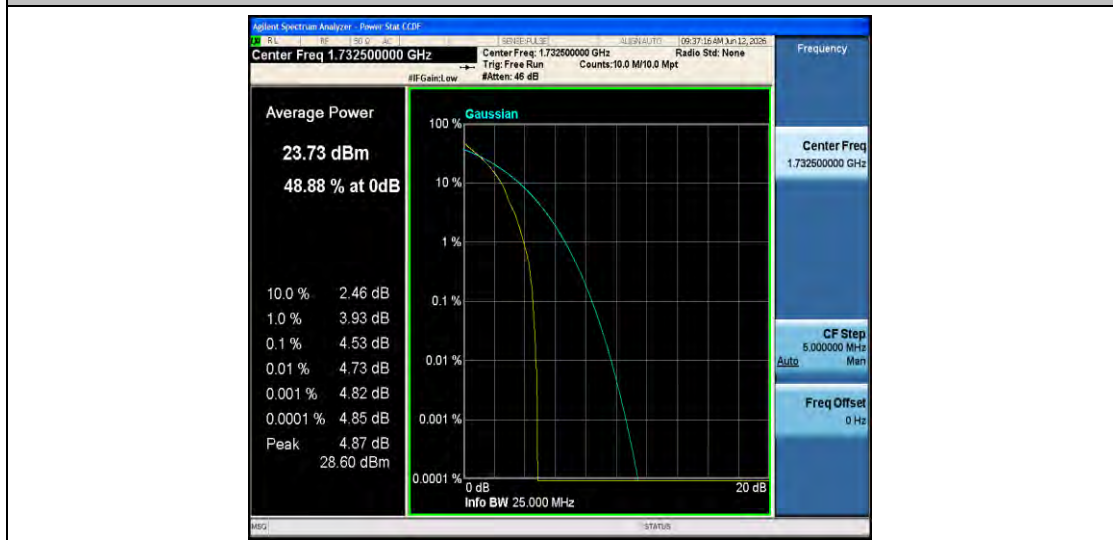
Band4-3MHz-16QAM-19965-1RB#0-PASS



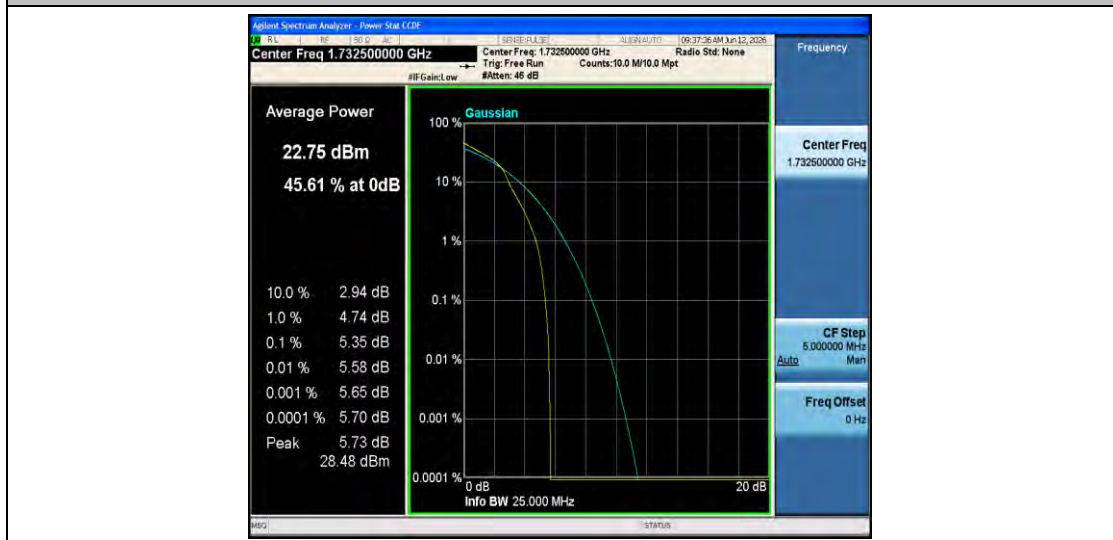
Band4-3MHz-QPSK-19965-15RB#0-PASS



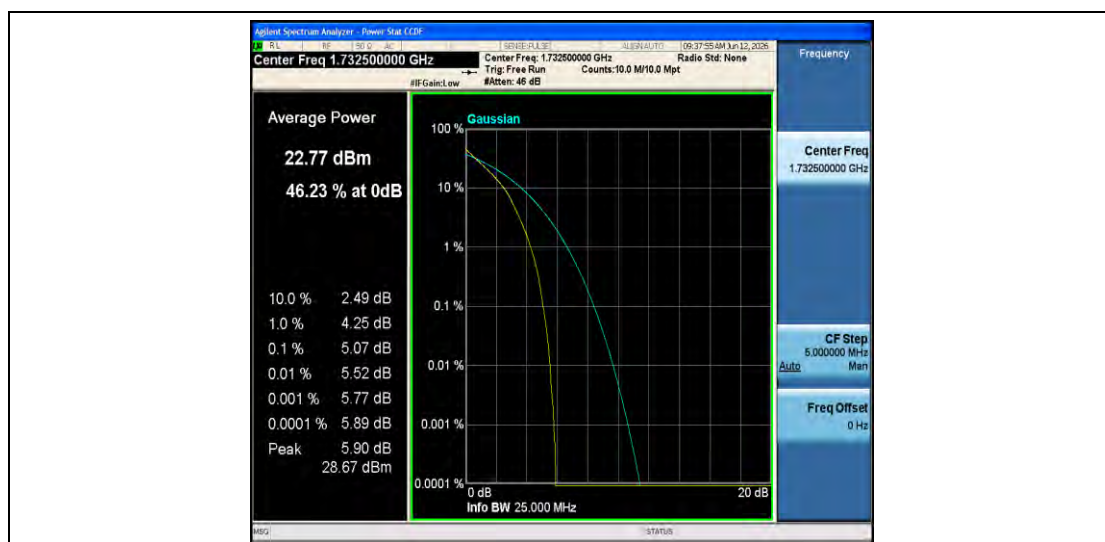
Band4-3MHz-16QAM-19965-15RB#0-PASS



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



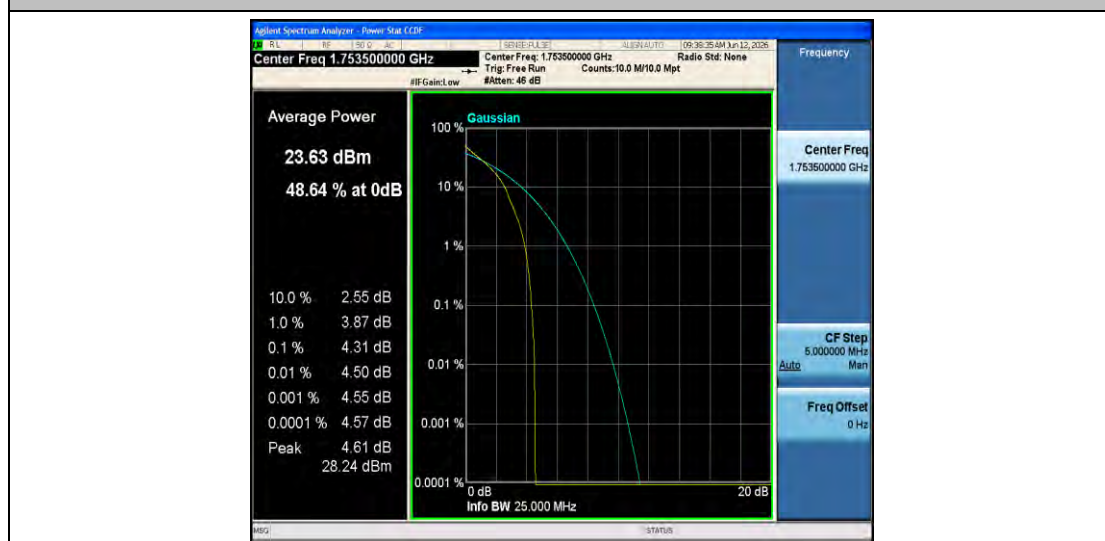
Band4-3MHz-16QAM-20175-1RB#0-PASS



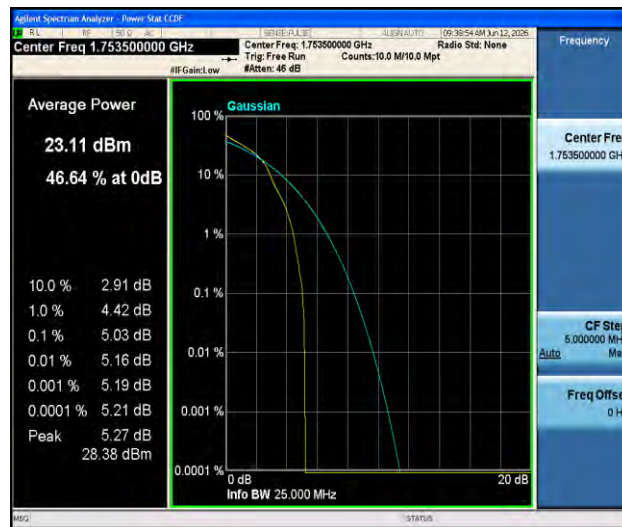
Band4-3MHz-QPSK-20175-15RB#0-PASS



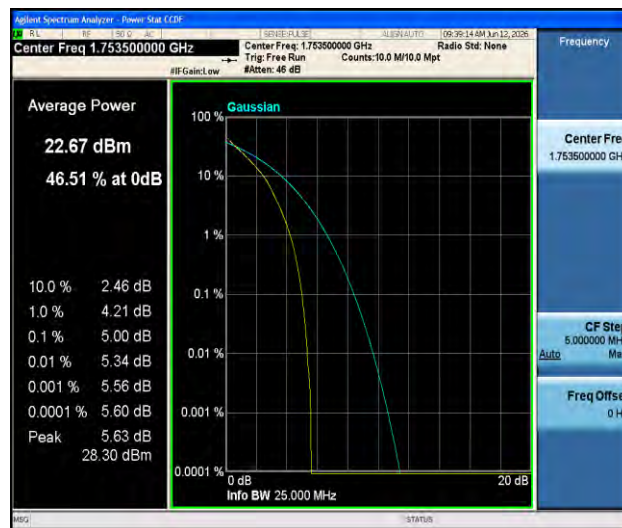
Band4-3MHz-16QAM-20175-15RB#0-PASS



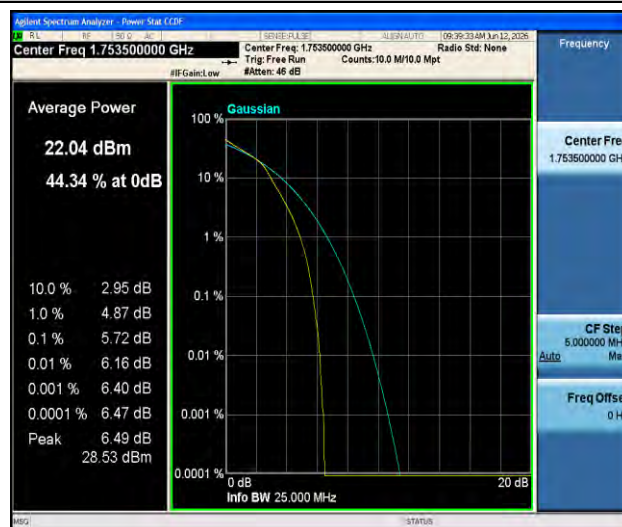
Band4-3MHz-QPSK-20385-1RB#0-PASS



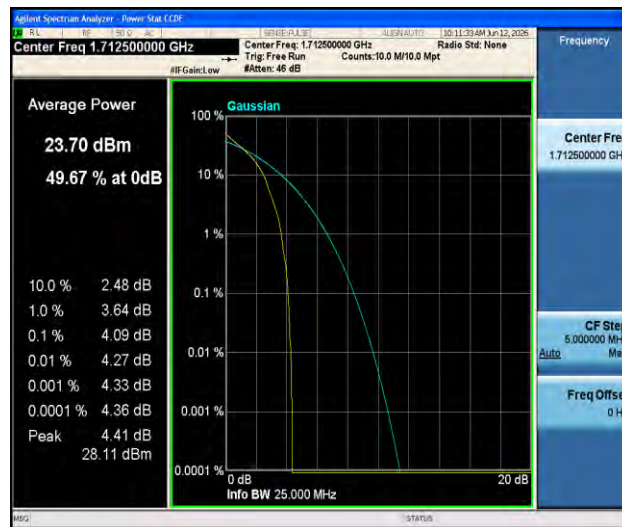
Band4-3MHz-16QAM-20385-1RB#0-PASS



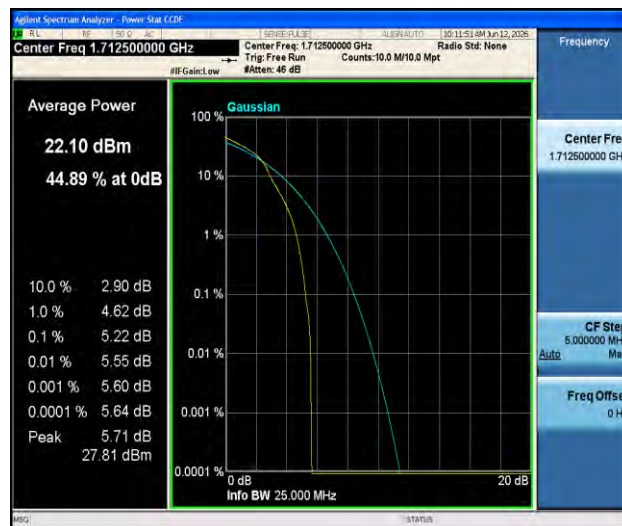
Band4-3MHz-QPSK-20385-15RB#0-PASS



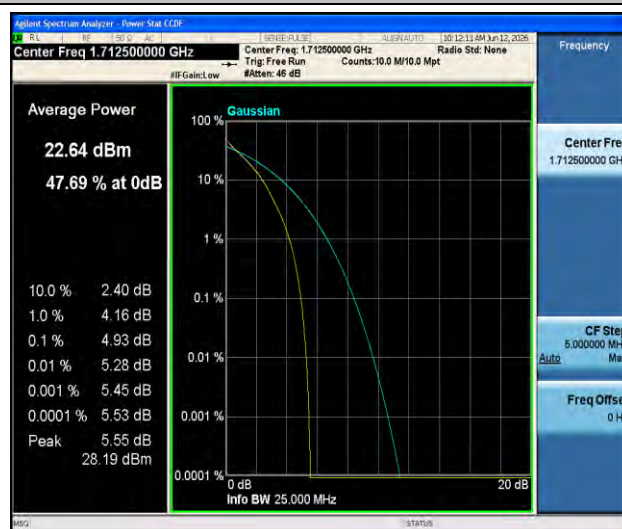
Band4-3MHz-16QAM-20385-15RB#0-PASS



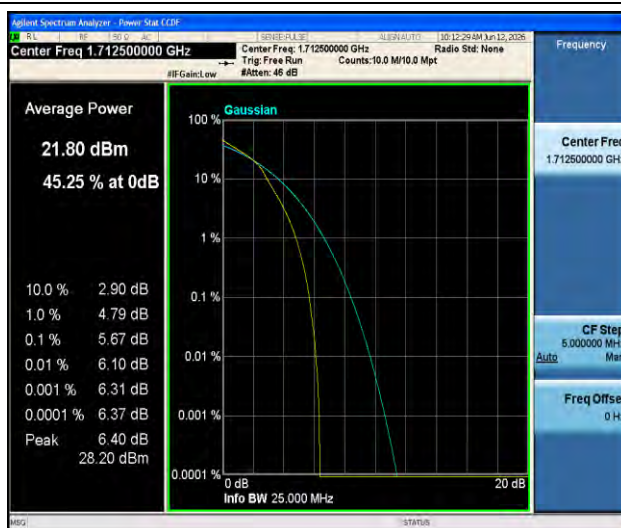
Band4-5MHz-QPSK-19975-1RB#0-PASS



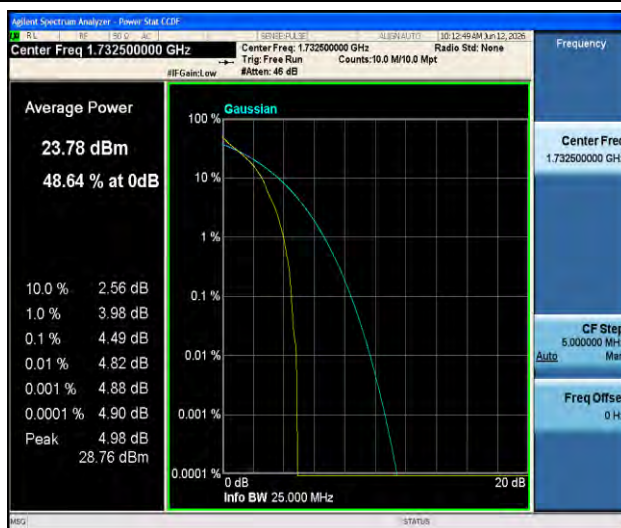
Band4-5MHz-16QAM-19975-1RB#0-PASS



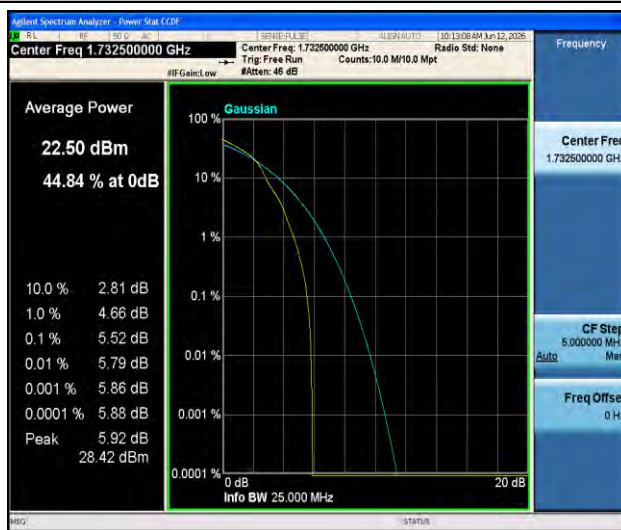
Band4-5MHz-QPSK-19975-25RB#0-PASS



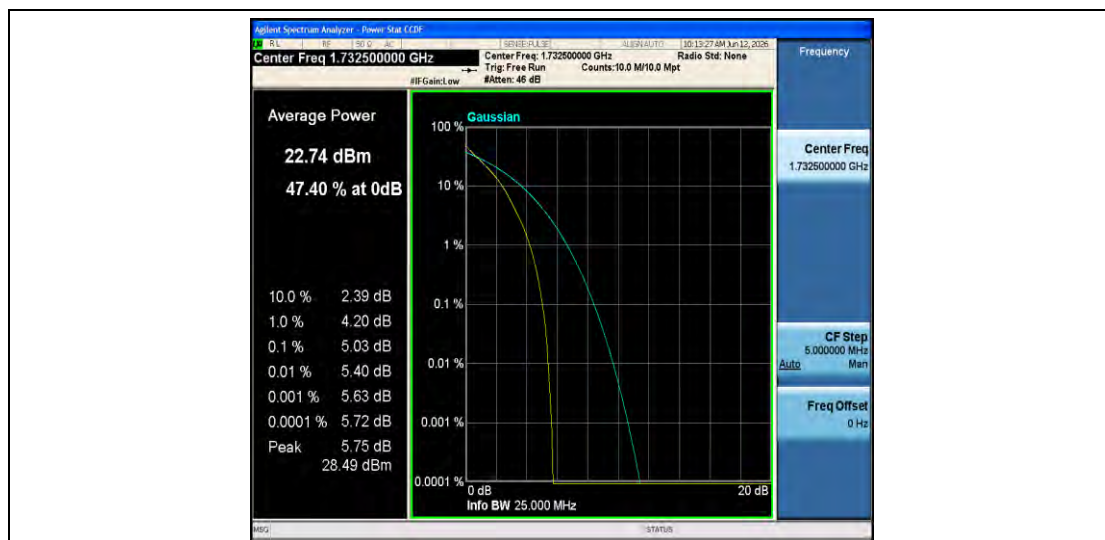
Band4-5MHz-16QAM-19975-25RB#0-PASS



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



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



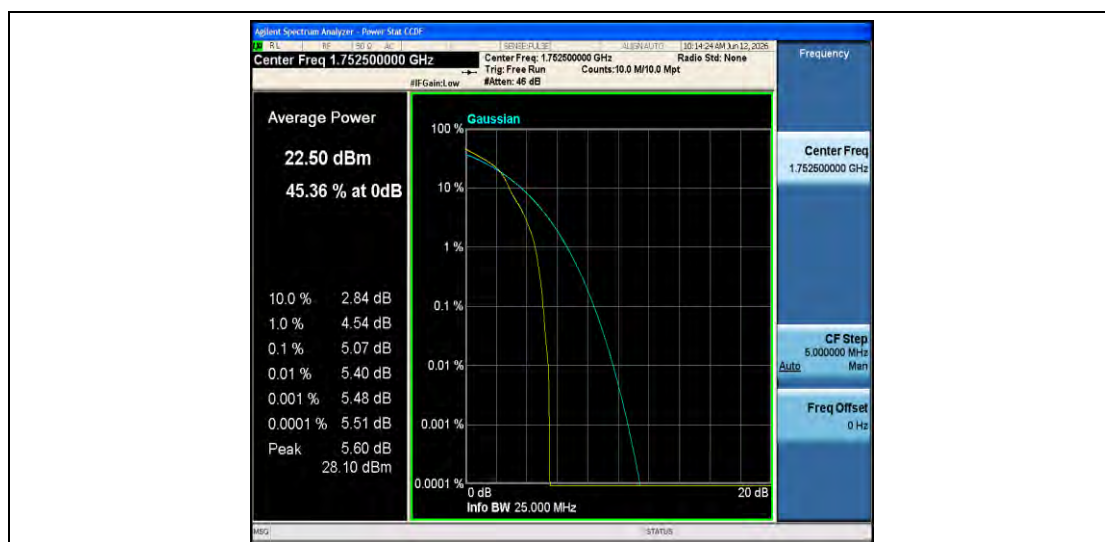
Band4-5MHz-QPSK-20175-25RB#0-PASS



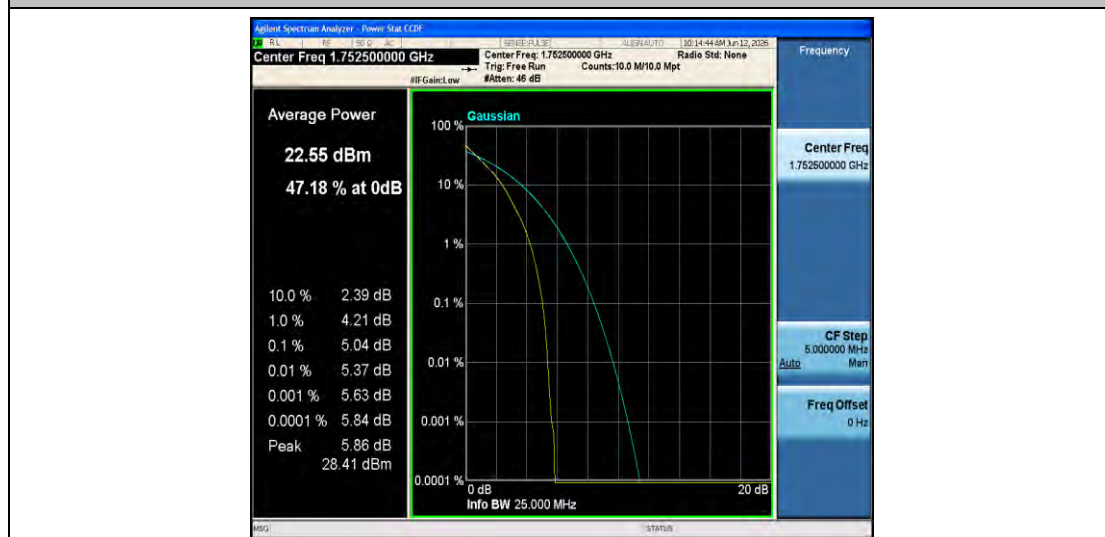
Band4-5MHz-16QAM-20175-25RB#0-PASS



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



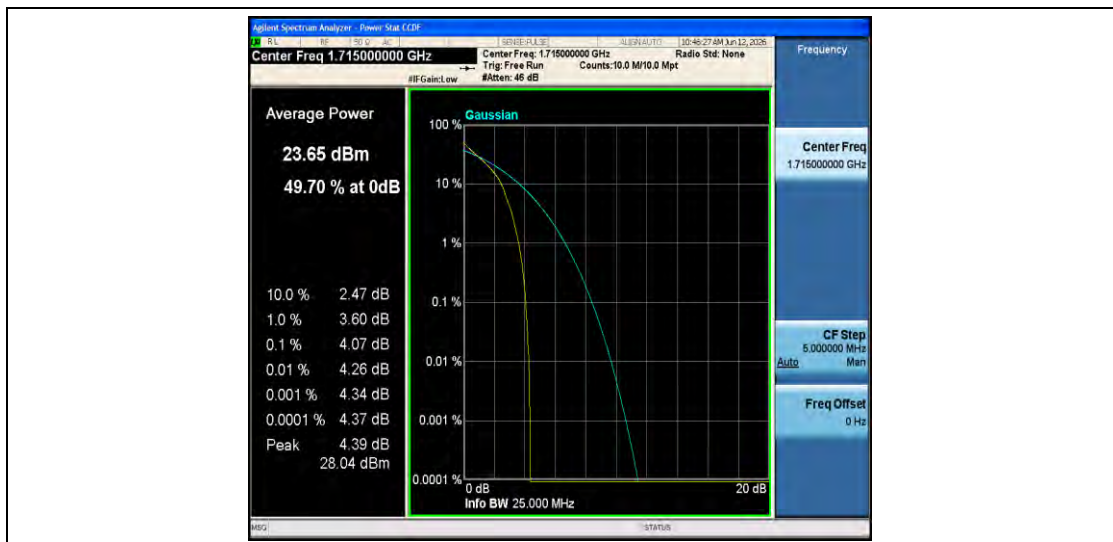
Band4-5MHz-16QAM-20375-1RB#0-PASS



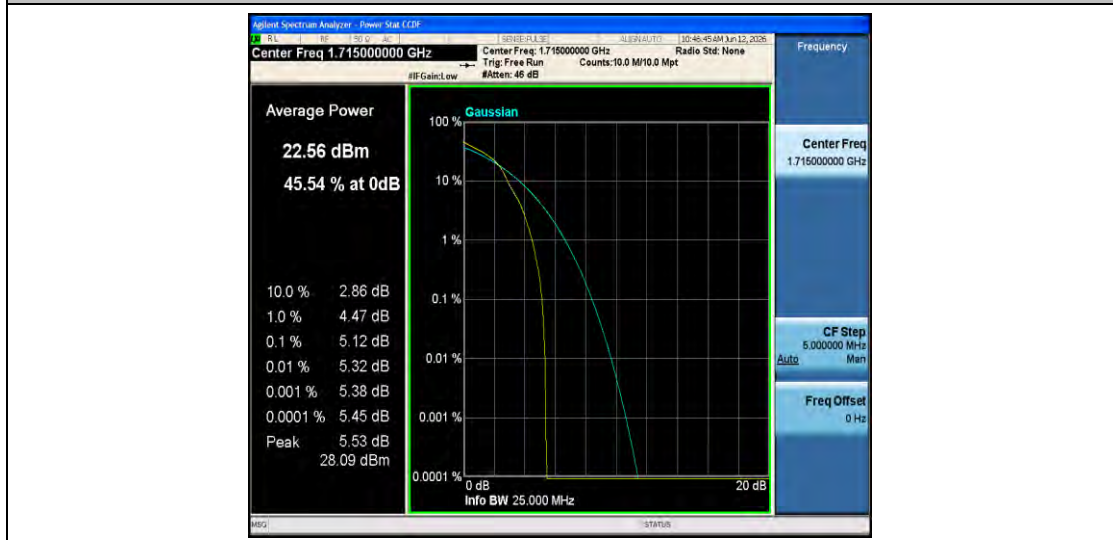
Band4-5MHz-QPSK-20375-25RB#0-PASS



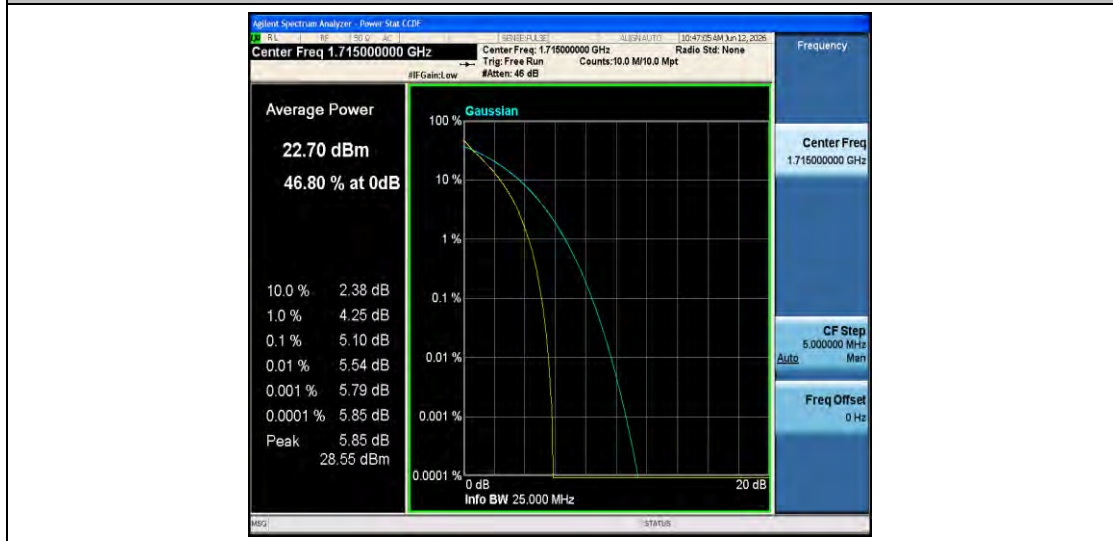
Band4-5MHz-16QAM-20375-25RB#0-PASS



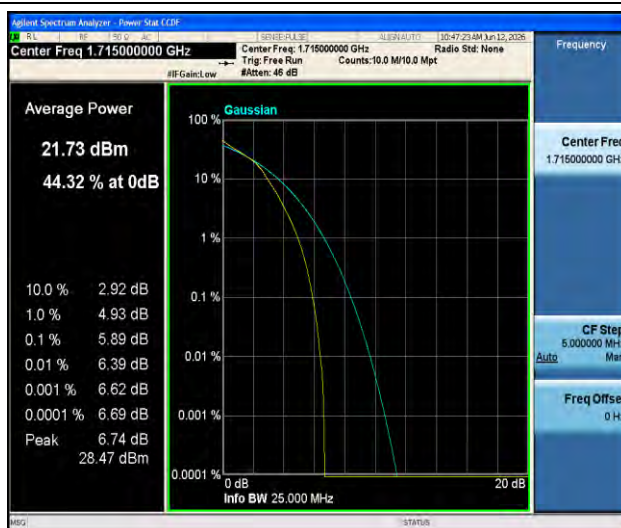
Band4-10MHz-QPSK-20000-1RB#0-PASS



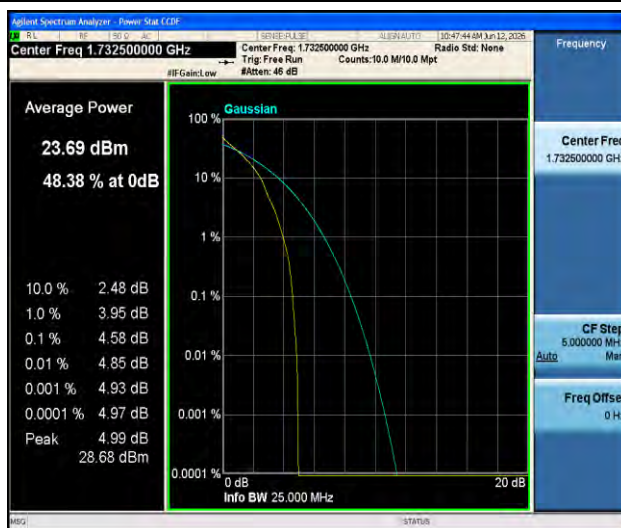
Band4-10MHz-16QAM-20000-1RB#0-PASS



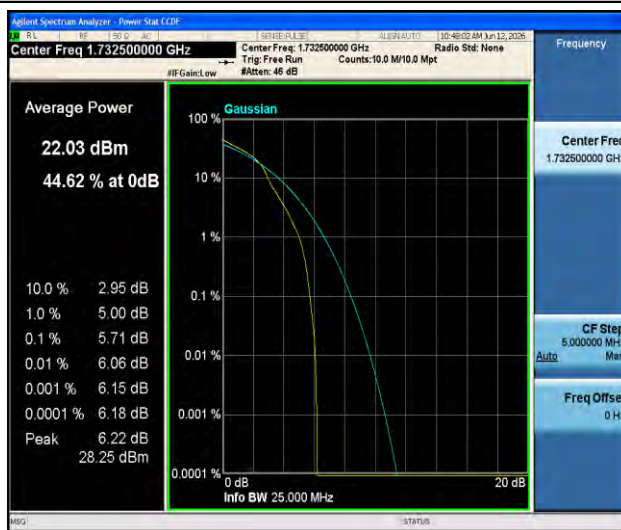
Band4-10MHz-QPSK-20000-50RB#0-PASS



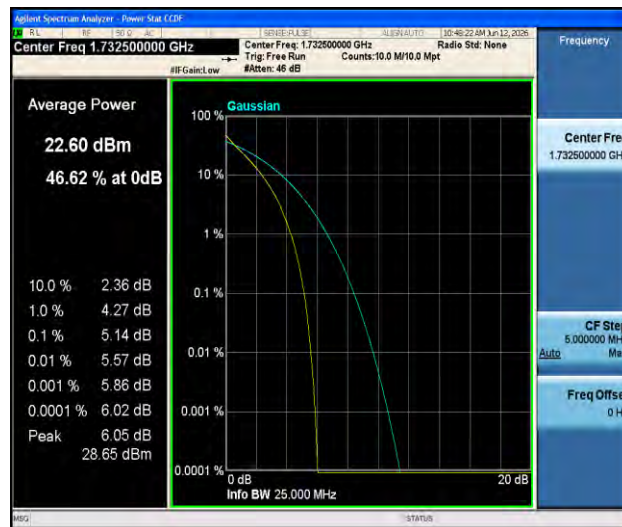
Band4-10MHz-16QAM-20000-50RB#0-PASS



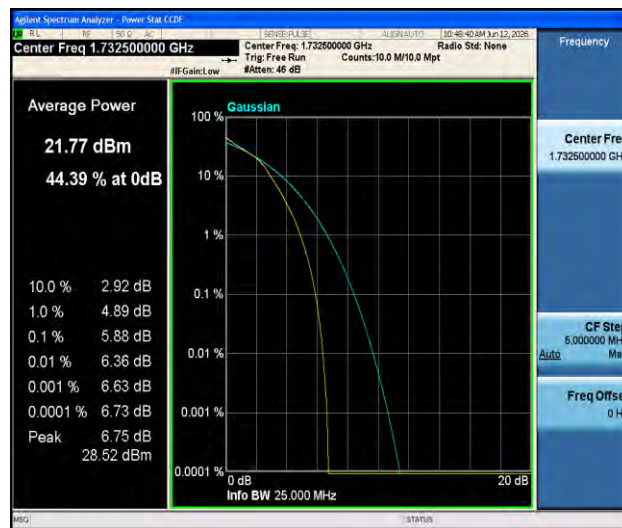
Band4-10MHz-QPSK-20175-1RB#0-PASS



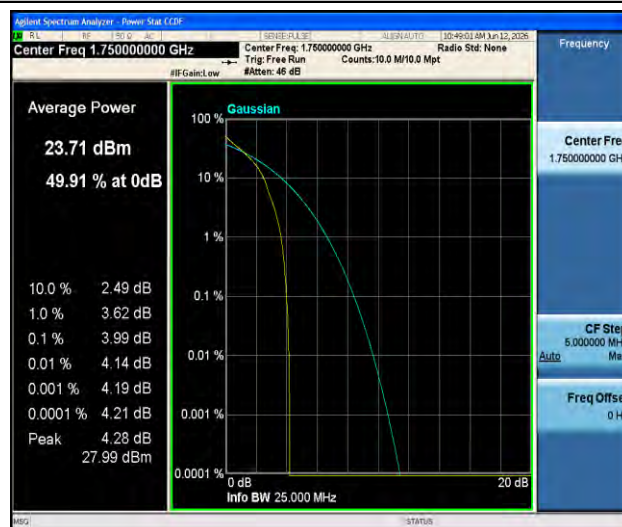
Band4-10MHz-16QAM-20175-1RB#0-PASS



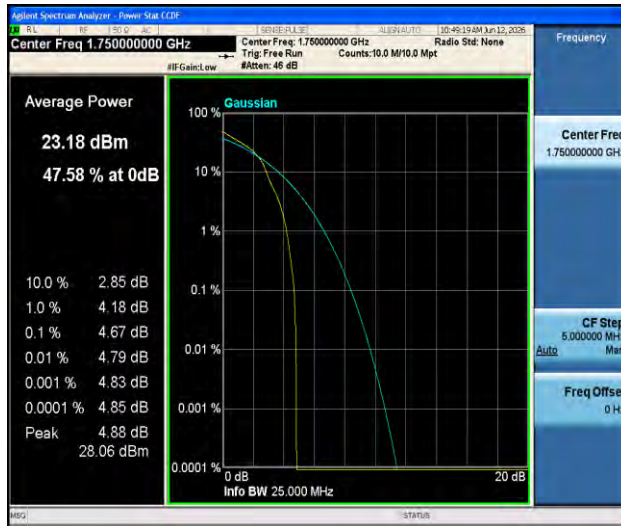
Band4-10MHz-QPSK-20175-50RB#0-PASS



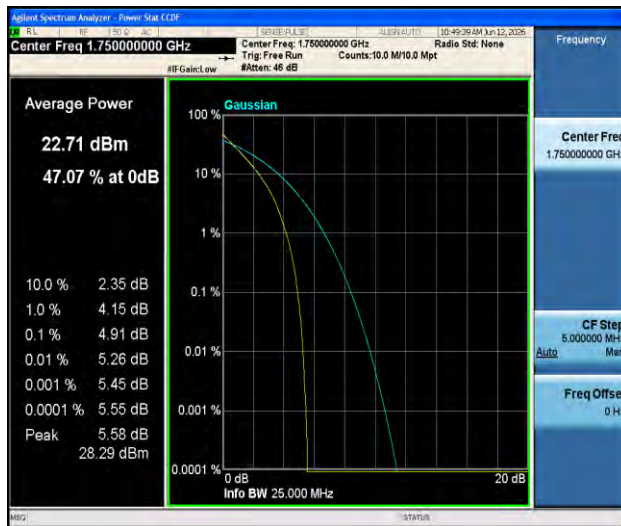
Band4-10MHz-16QAM-20175-50RB#0-PASS



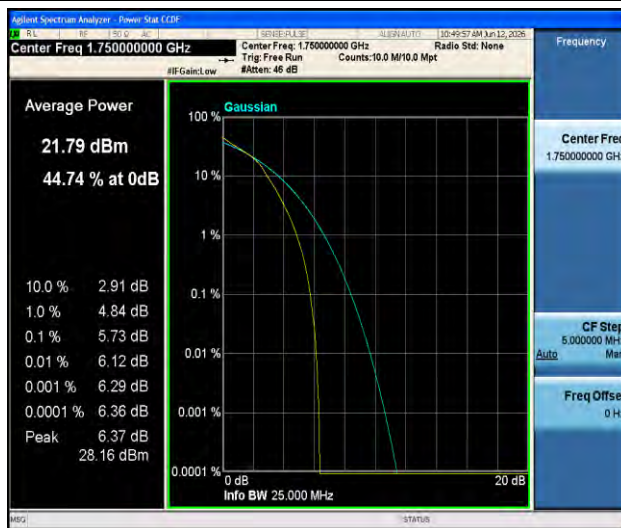
Band4-10MHz-QPSK-20350-1RB#0-PASS



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



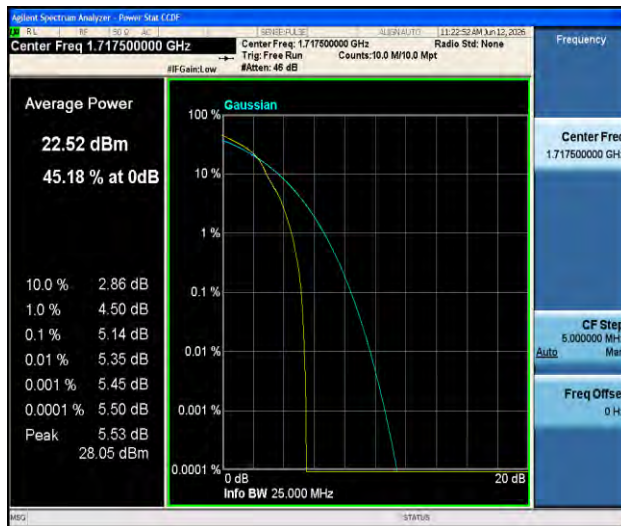
Band4-10MHz-QPSK-20350-50RB#0-PASS



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



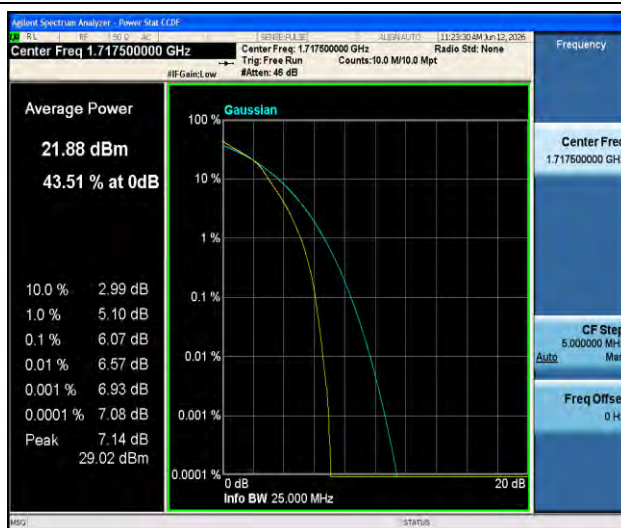
Band4-15MHz-QPSK-20025-1RB#0-PASS



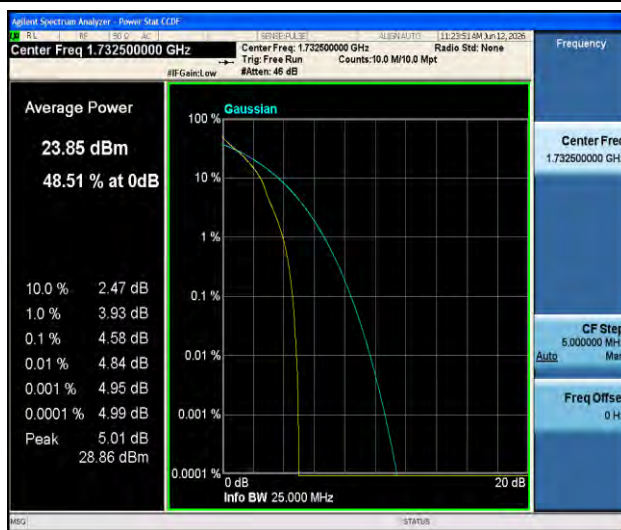
Band4-15MHz-16QAM-20025-1RB#0-PASS



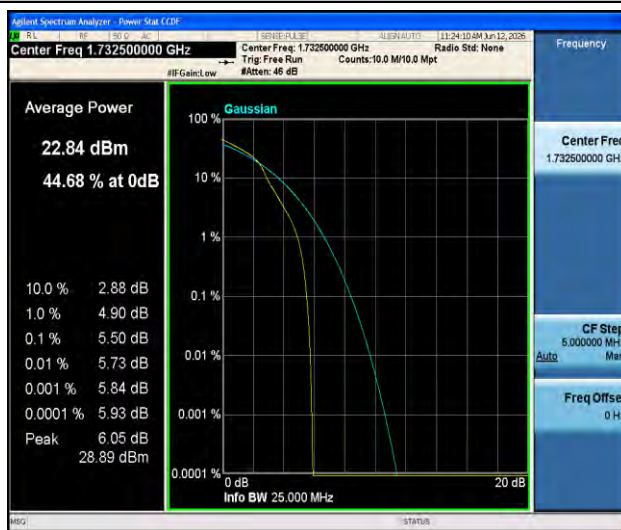
Band4-15MHz-QPSK-20025-75RB#0-PASS



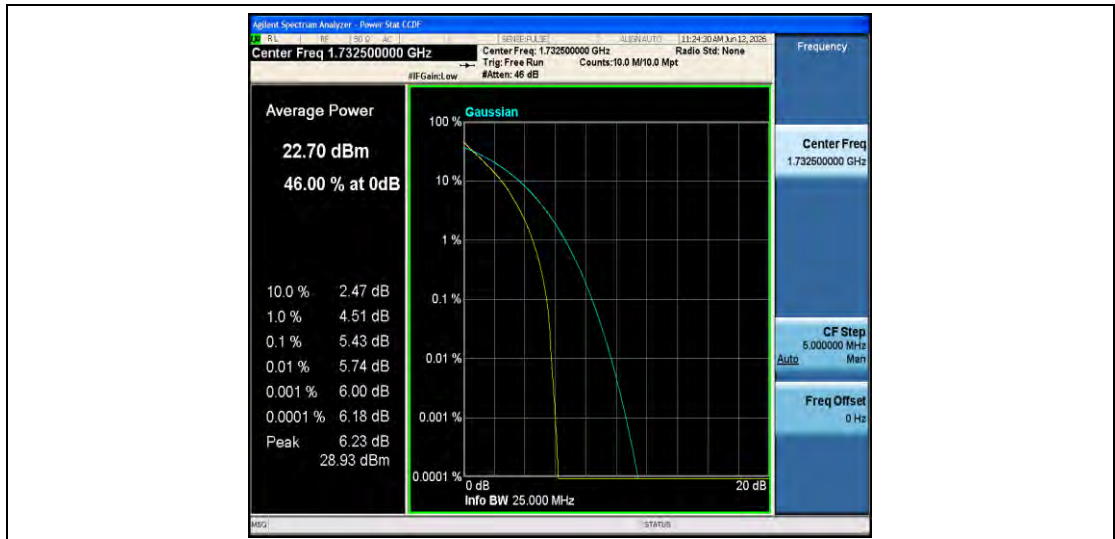
Band4-15MHz-16QAM-20025-75RB#0-PASS



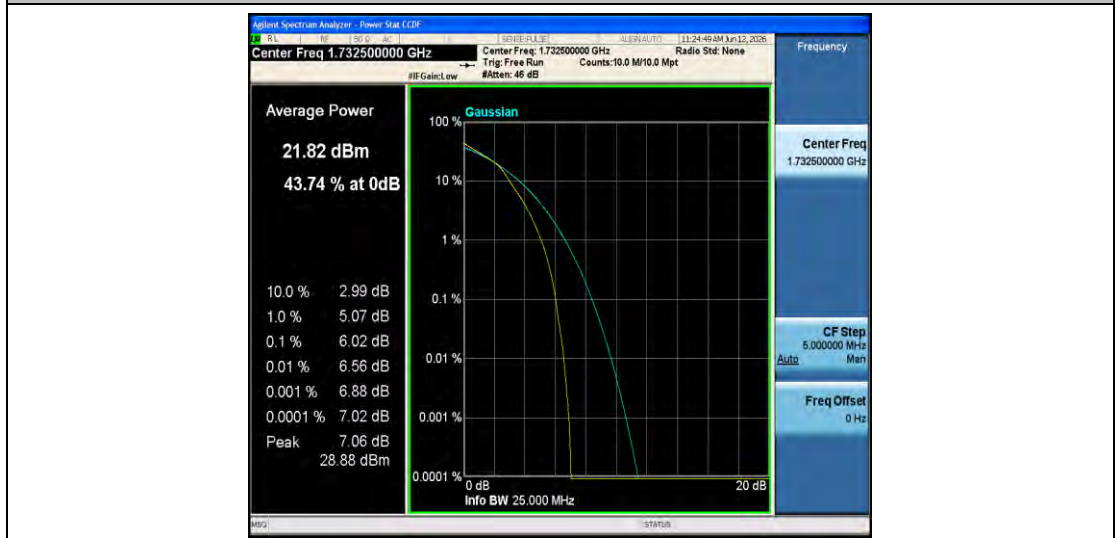
Band4-15MHz-QPSK-20175-1RB#0-PASS



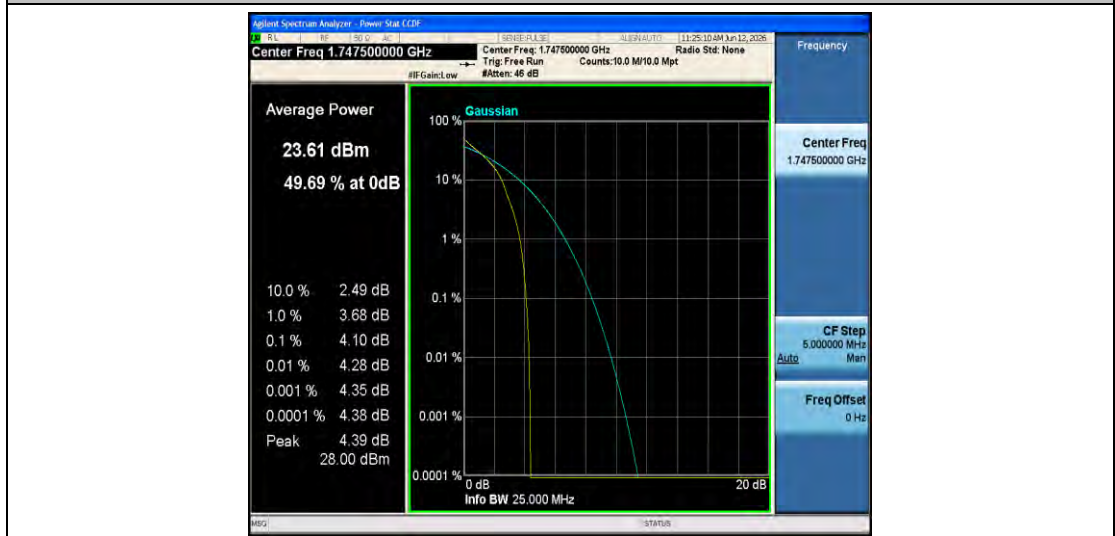
Band4-15MHz-16QAM-20175-1RB#0-PASS



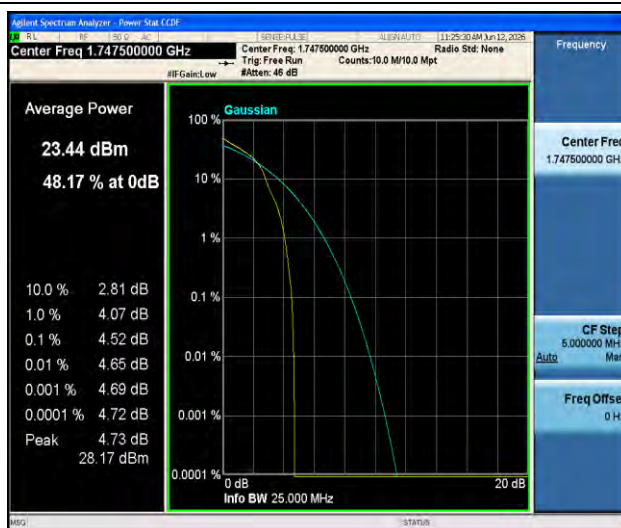
Band4-15MHz-QPSK-20175-75RB#0-PASS



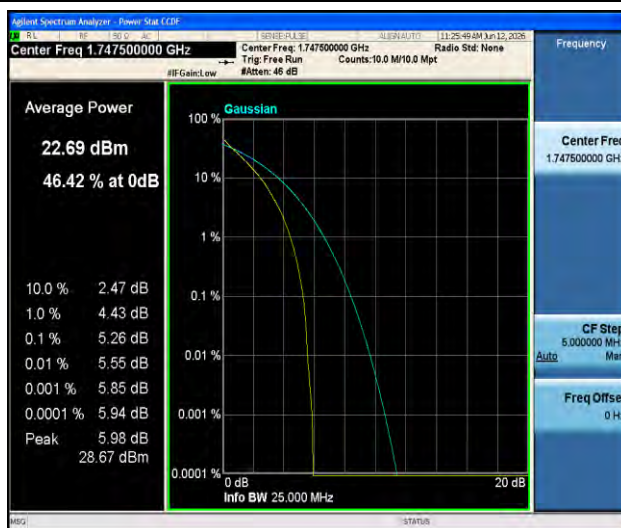
Band4-15MHz-16QAM-20175-75RB#0-PASS



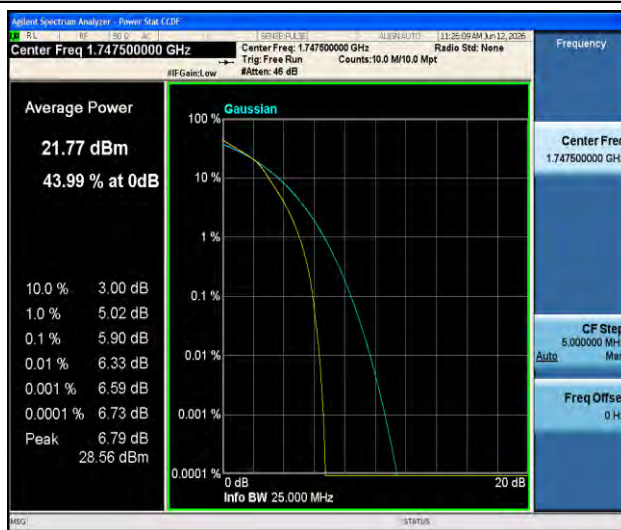
Band4-15MHz-QPSK-20325-1RB#0-PASS



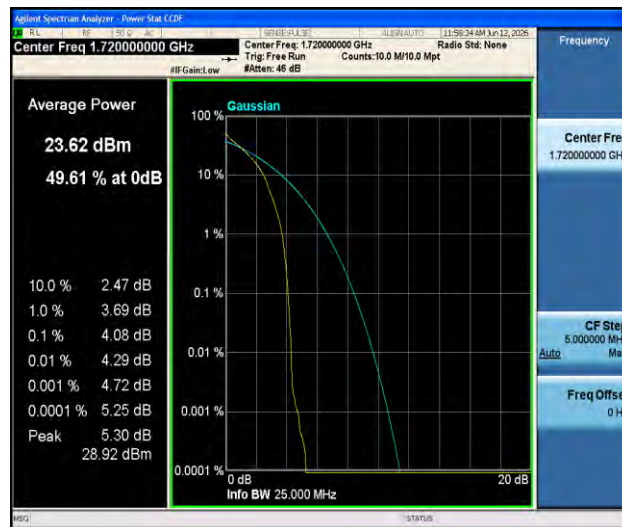
Band4-15MHz-16QAM-20325-1RB#0-PASS



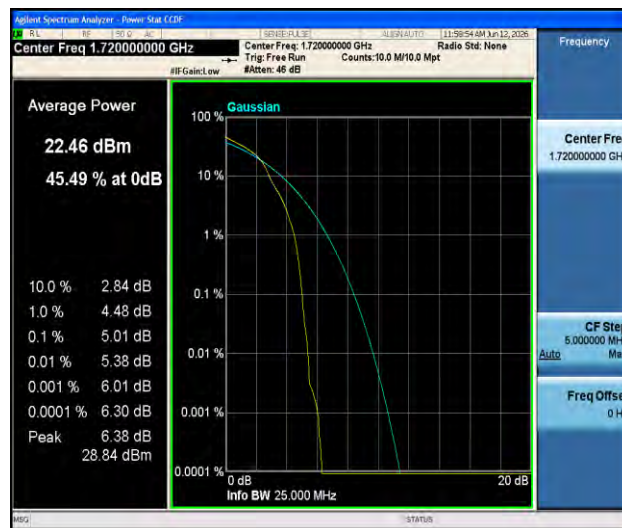
Band4-15MHz-QPSK-20325-75RB#0-PASS



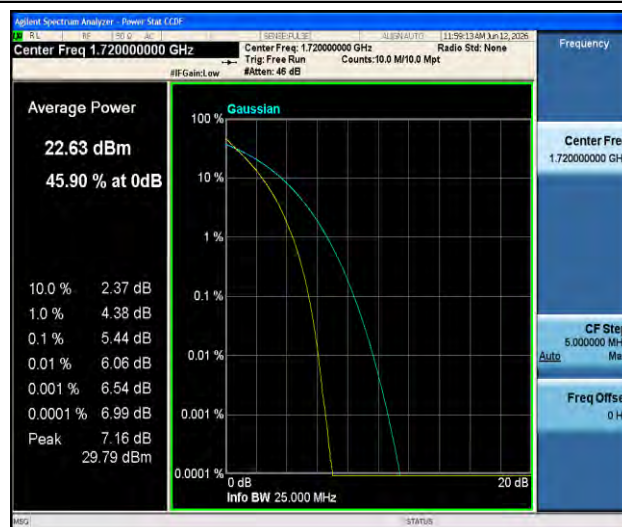
Band4-15MHz-16QAM-20325-75RB#0-PASS



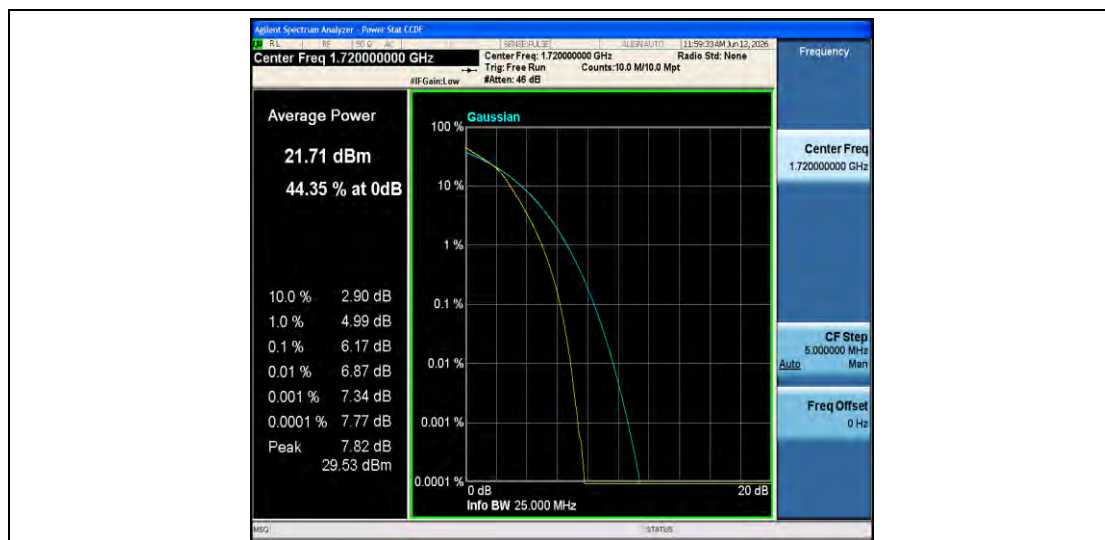
Band4-20MHz-QPSK-20050-1RB#0-PASS



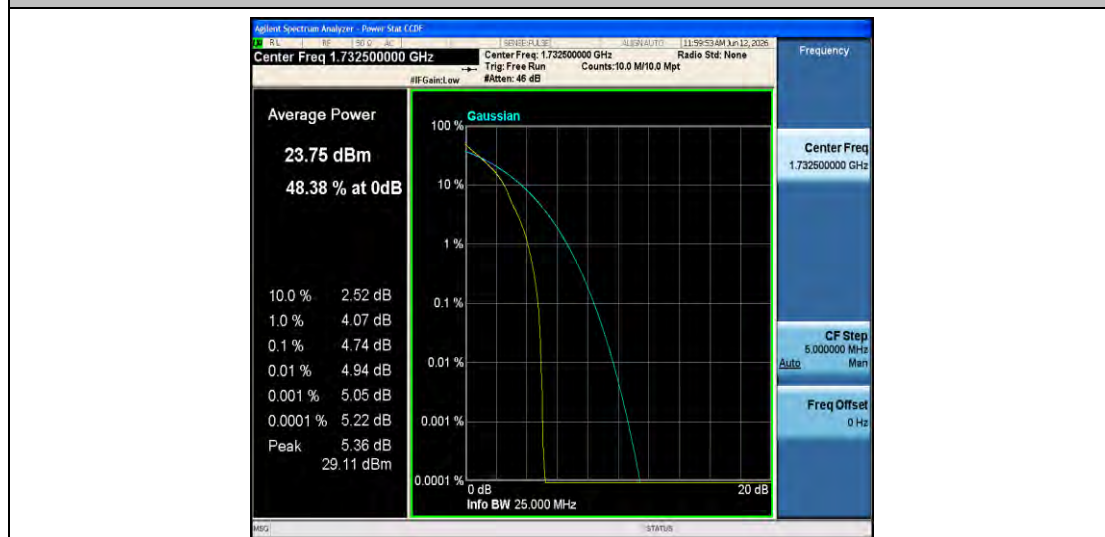
Band4-20MHz-16QAM-20050-1RB#0-PASS



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



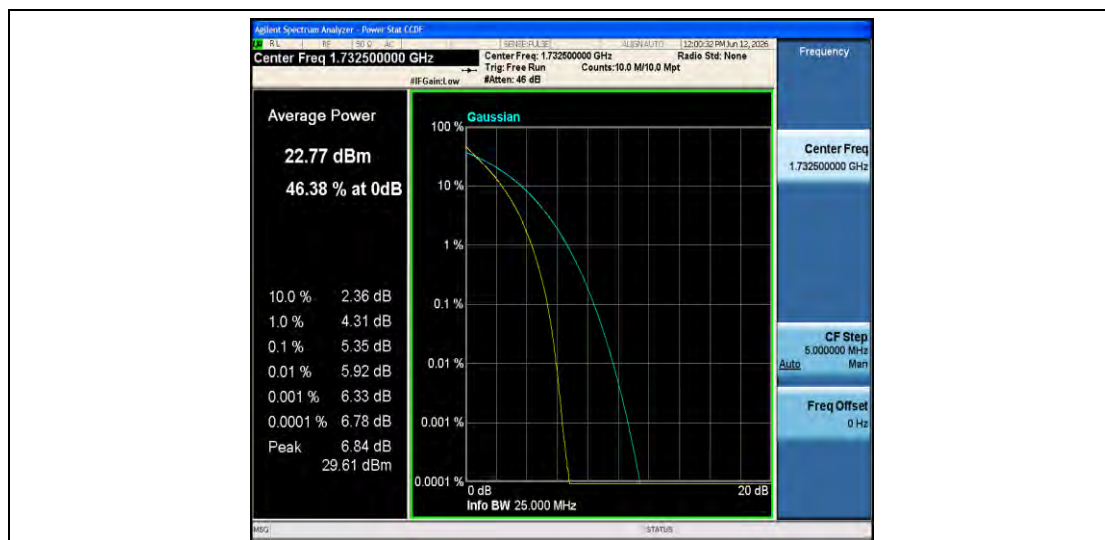
Band4-20MHz-16QAM-20050-100RB#0-PASS



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



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



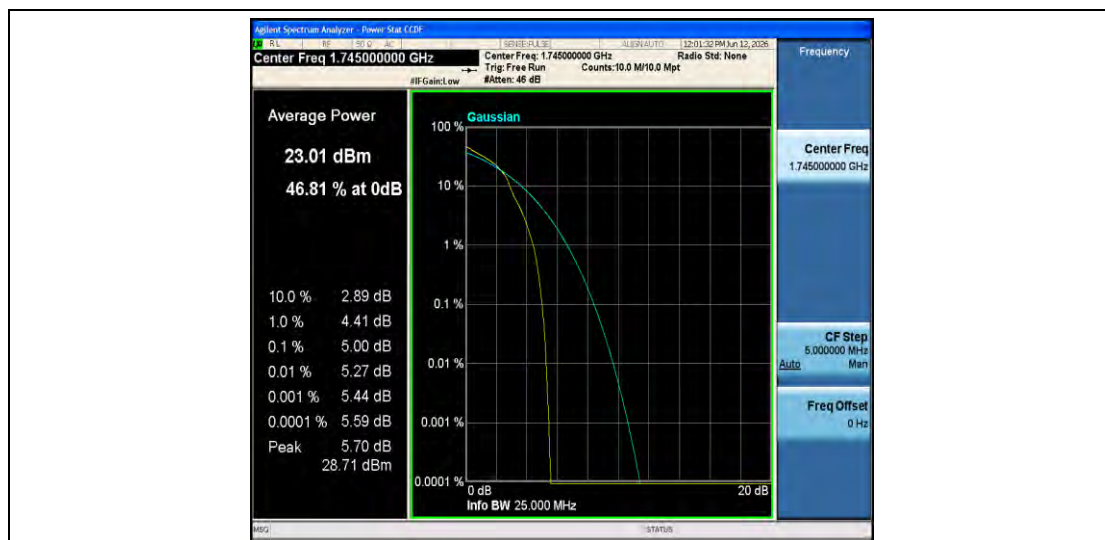
Band4-20MHz-QPSK-20175-100RB#0-PASS



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



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



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



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



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

Appendix C: 26dB Bandwidth and Occupied Bandwidth

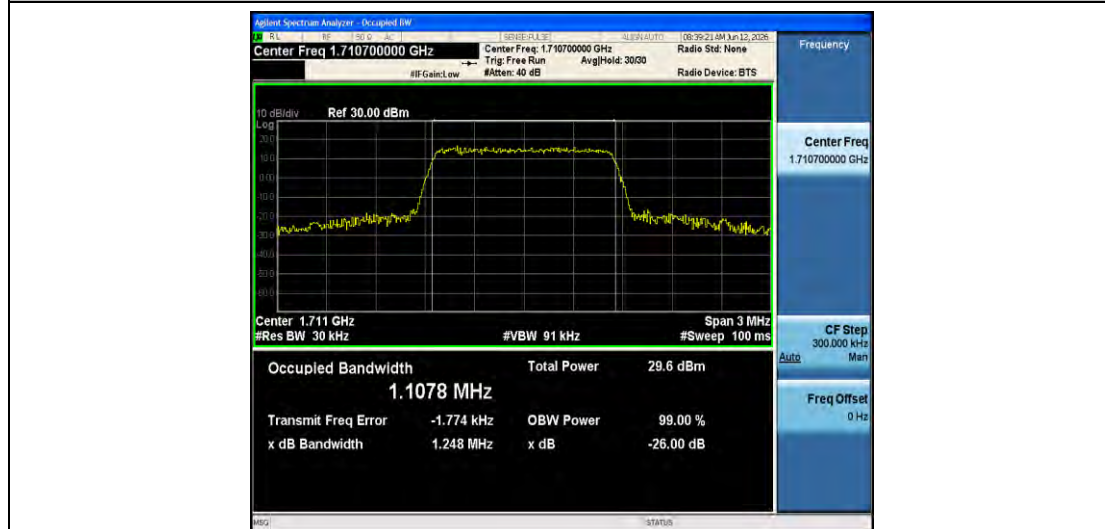
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0938	1.241	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1078	1.248	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0953	1.243	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0964	1.250	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0994	1.244	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0907	1.243	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7050	3.024	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7085	3.026	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7180	3.032	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7013	3.031	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7148	3.021	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6991	3.032	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5046	4.975	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5091	4.987	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5133	4.990	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5288	5.007	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5077	4.975	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5006	4.975	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0176	9.916	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9927	9.954	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9844	9.924	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9928	9.932	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0055	9.897	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0007	9.909	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.508	15.04	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.523	14.96	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.469	14.98	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.509	14.93	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.506	14.92	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.506	14.96	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.037	19.86	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.004	19.84	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.991	19.64	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.996	19.72	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.021	19.70	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.022	19.72	PASS

Test Graphs



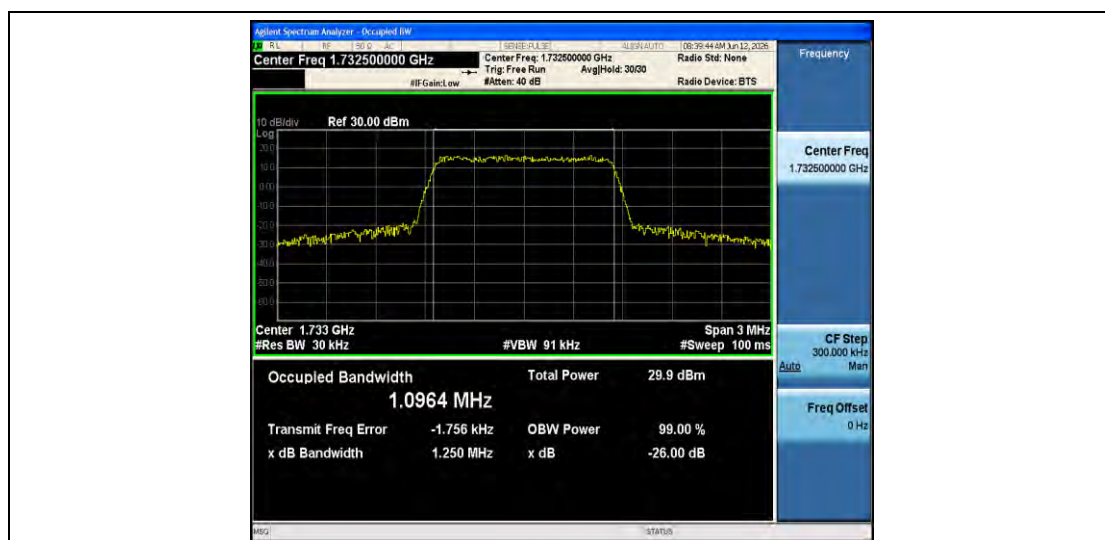
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



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



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



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



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



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



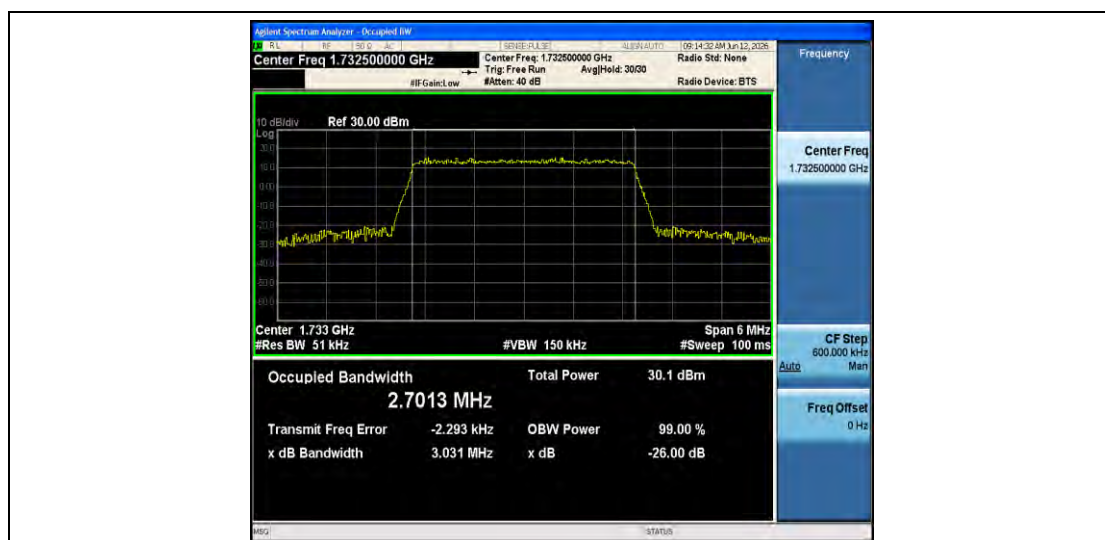
Band4-3MHz-QPSK-19965-15RB#0-PASS



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



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



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



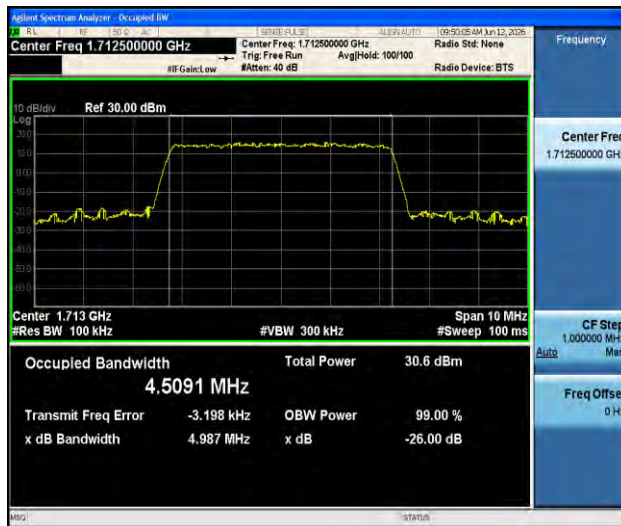
Band4-3MHz-QPSK-20385-15RB#0-PASS



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



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



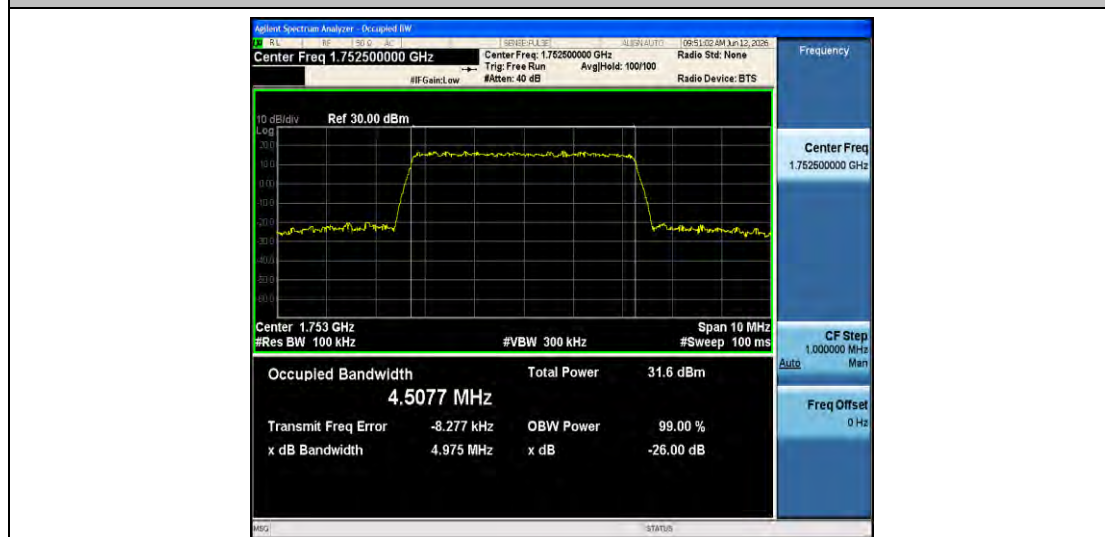
Band4-5MHz-16QAM-19975-25RB#0-PASS



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



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



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



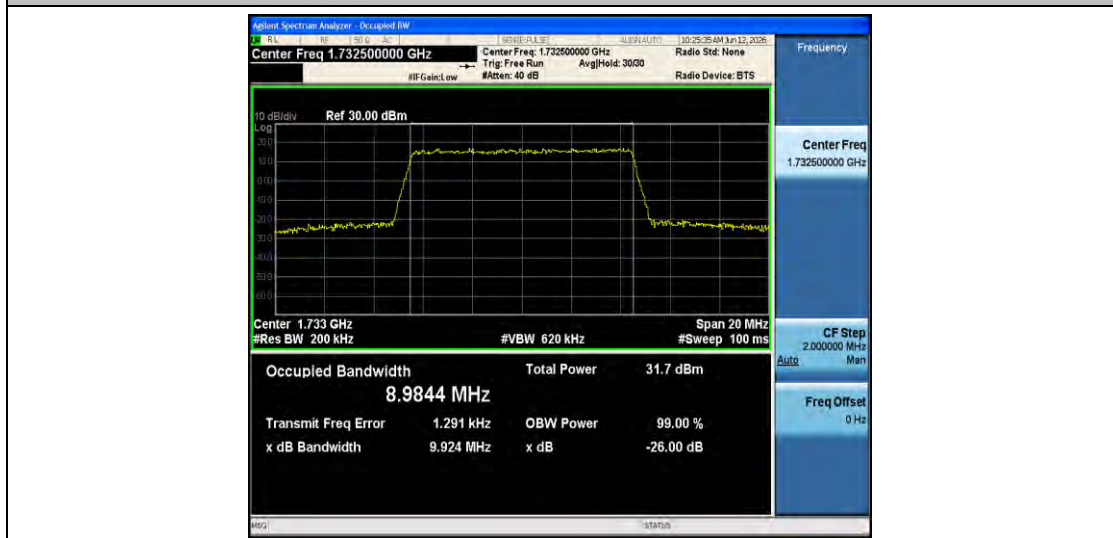
Band4-5MHz-16QAM-20375-25RB#0-PASS



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



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



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



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



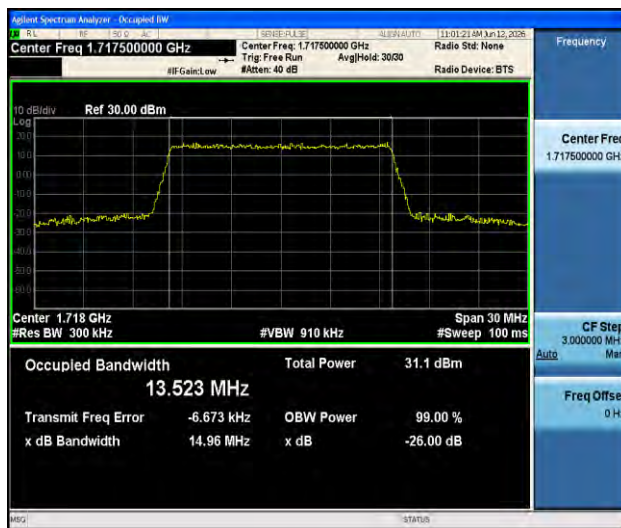
Band4-10MHz-QPSK-20350-50RB#0-PASS



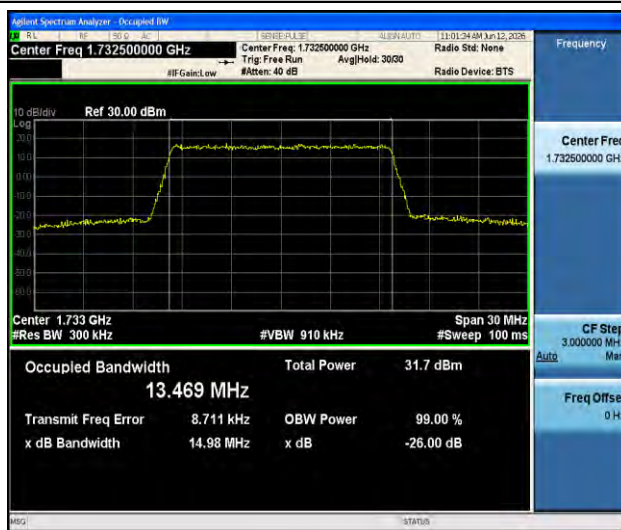
Band4-10MHz-16QAM-20350-50RB#0-PASS



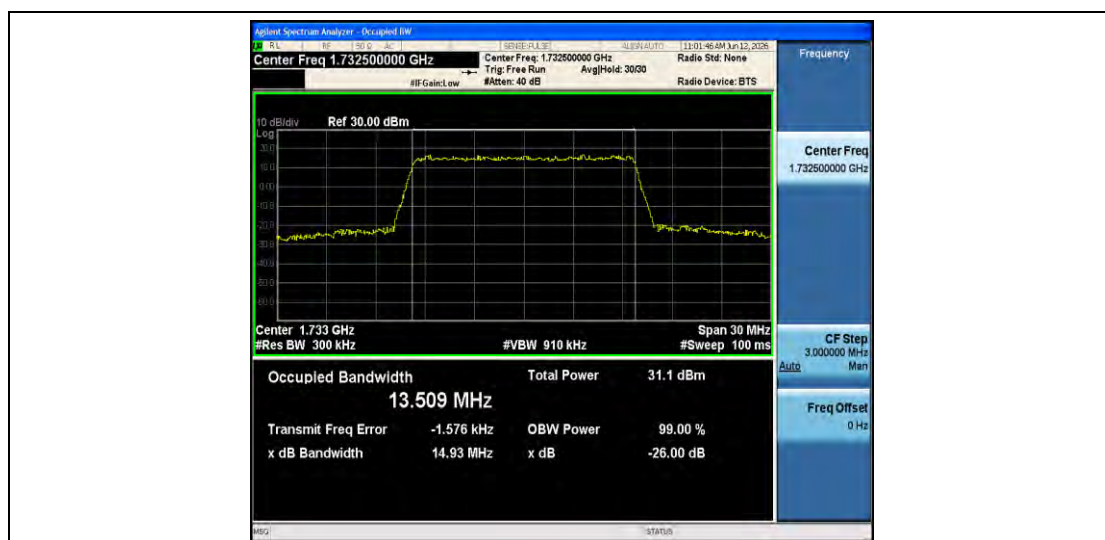
Band4-15MHz-QPSK-20025-75RB#0-PASS



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



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



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



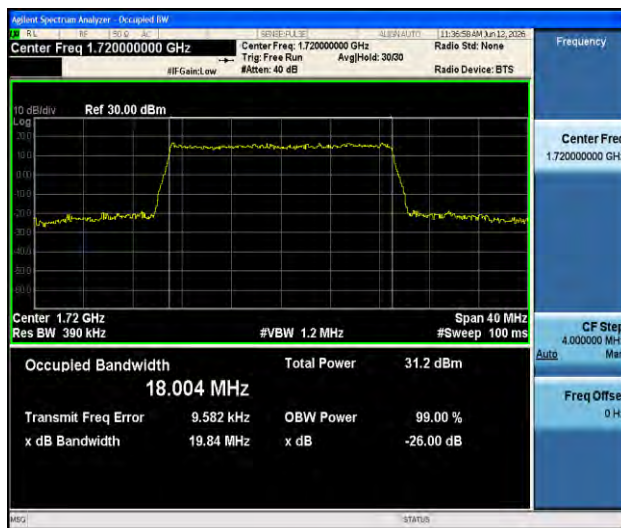
Band4-15MHz-QPSK-20325-75RB#0-PASS



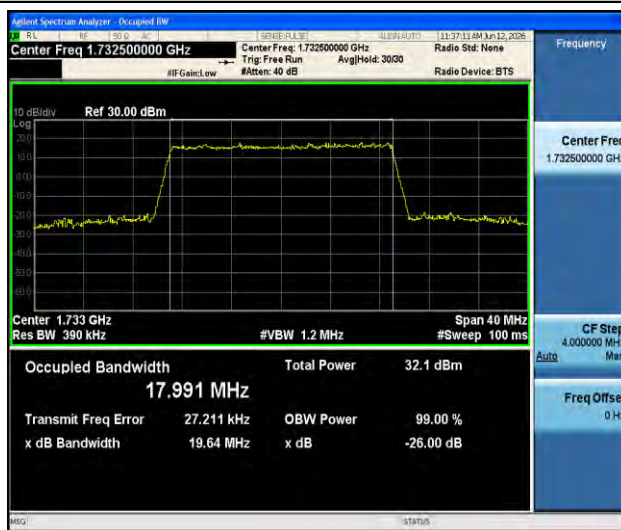
Band4-15MHz-16QAM-20325-75RB#0-PASS



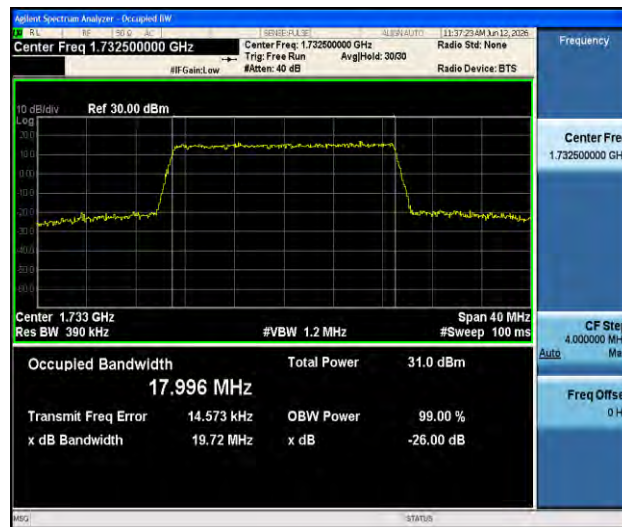
Band4-20MHz-QPSK-20050-100RB#0-PASS



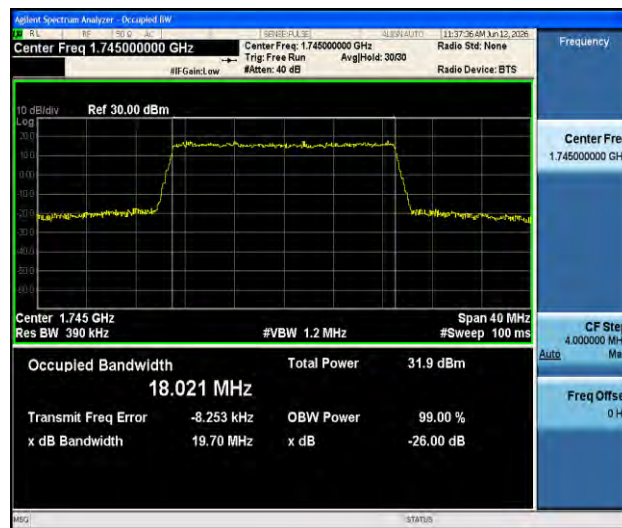
Band4-20MHz-16QAM-20050-100RB#0-PASS



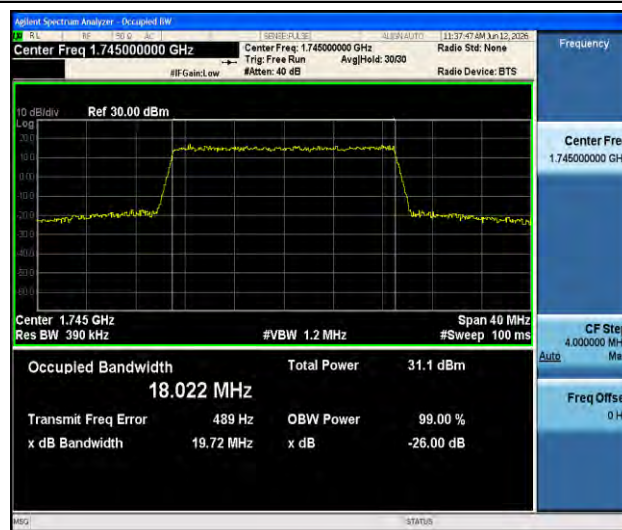
Band4-20MHz-QPSK-20175-100RB#0-PASS



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



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



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

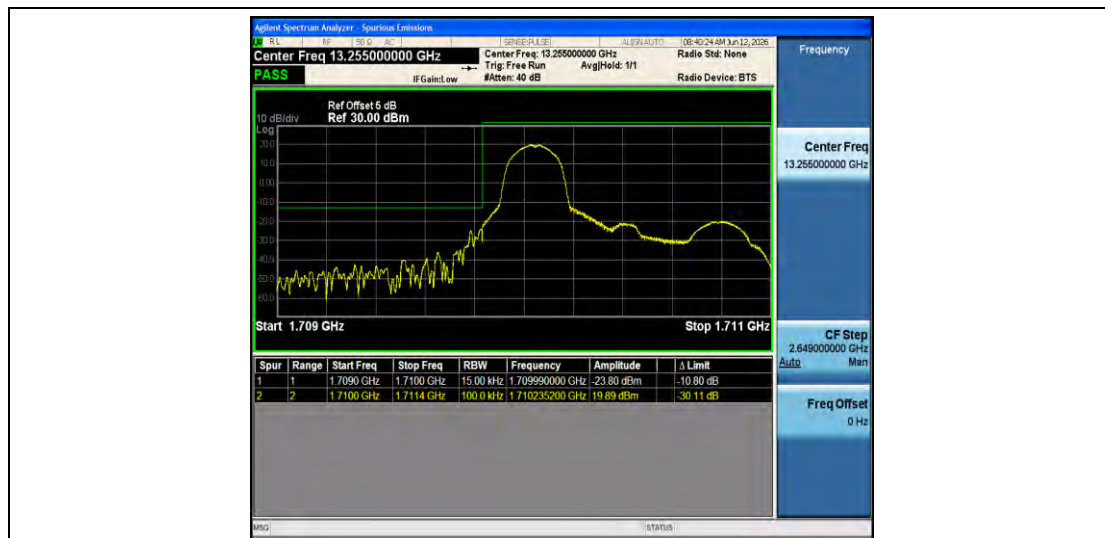
Appendix D: Band Edge

Test Result

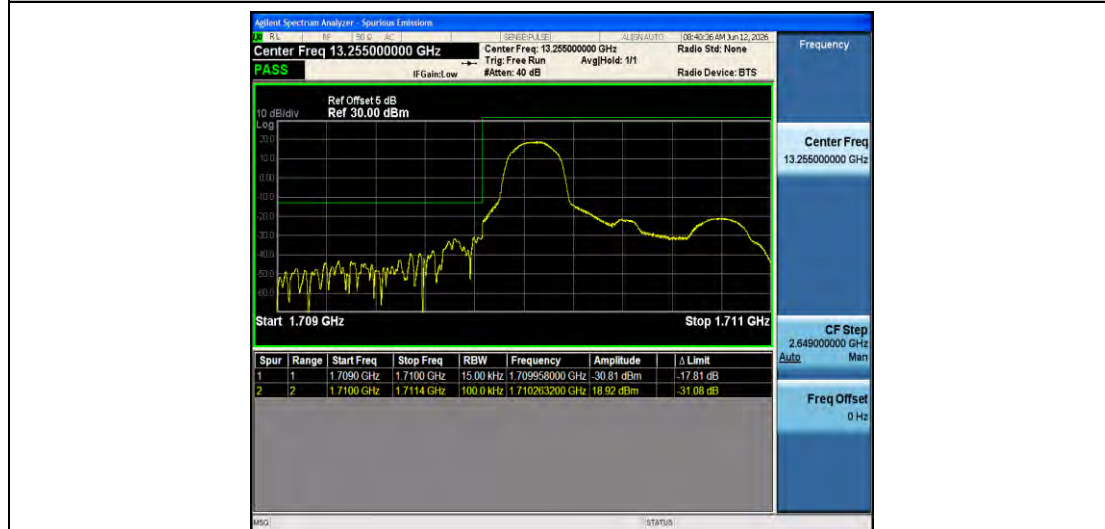
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.80	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-30.81	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-36.91	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-34.77	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-32.92	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-34.47	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-34.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-40.03	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-25.31	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-32.97	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-30.62	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.79	PASS
Band4	3MHz	QPSK	19965	1RB#0	-18.36	PASS
Band4	3MHz	16QAM	19965	1RB#0	-21.69	PASS
Band4	3MHz	QPSK	19965	1RB#14	-33.06	PASS
Band4	3MHz	16QAM	19965	1RB#14	-36.46	PASS
Band4	3MHz	QPSK	19965	15RB#0	-29.03	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.21	PASS
Band4	3MHz	QPSK	20385	1RB#0	-33.82	PASS
Band4	3MHz	16QAM	20385	1RB#0	-34.17	PASS
Band4	3MHz	QPSK	20385	1RB#14	-19.75	PASS
Band4	3MHz	16QAM	20385	1RB#14	-20.85	PASS
Band4	3MHz	QPSK	20385	15RB#0	-31.44	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.09	PASS
Band4	5MHz	QPSK	19975	1RB#0	-26.22	PASS
Band4	5MHz	16QAM	19975	1RB#0	-29.87	PASS
Band4	5MHz	QPSK	19975	1RB#24	-46.62	PASS
Band4	5MHz	16QAM	19975	1RB#24	-47.40	PASS
Band4	5MHz	QPSK	19975	25RB#0	-36.23	PASS
Band4	5MHz	16QAM	19975	25RB#0	-36.70	PASS
Band4	5MHz	QPSK	20375	1RB#0	-46.55	PASS
Band4	5MHz	16QAM	20375	1RB#0	-48.15	PASS
Band4	5MHz	QPSK	20375	1RB#24	-27.75	PASS
Band4	5MHz	16QAM	20375	1RB#24	-28.52	PASS
Band4	5MHz	QPSK	20375	25RB#0	-36.69	PASS
Band4	5MHz	16QAM	20375	25RB#0	-37.47	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.57	PASS
Band4	10MHz	16QAM	20000	1RB#0	-36.04	PASS

Band4	10MHz	QPSK	20000	1RB#49	-50.95	PASS
Band4	10MHz	16QAM	20000	1RB#49	-51.79	PASS
Band4	10MHz	QPSK	20000	50RB#0	-38.28	PASS
Band4	10MHz	16QAM	20000	50RB#0	-39.70	PASS
Band4	10MHz	QPSK	20350	1RB#0	-51.32	PASS
Band4	10MHz	16QAM	20350	1RB#0	-51.69	PASS
Band4	10MHz	QPSK	20350	1RB#49	-35.20	PASS
Band4	10MHz	16QAM	20350	1RB#49	-36.37	PASS
Band4	10MHz	QPSK	20350	50RB#0	-38.66	PASS
Band4	10MHz	16QAM	20350	50RB#0	-40.14	PASS
Band4	15MHz	QPSK	20025	1RB#0	-38.06	PASS
Band4	15MHz	16QAM	20025	1RB#0	-39.18	PASS
Band4	15MHz	QPSK	20025	1RB#74	-51.66	PASS
Band4	15MHz	16QAM	20025	1RB#74	-52.24	PASS
Band4	15MHz	QPSK	20025	75RB#0	-39.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	-40.41	PASS
Band4	15MHz	QPSK	20325	1RB#0	-50.09	PASS
Band4	15MHz	16QAM	20325	1RB#0	-50.83	PASS
Band4	15MHz	QPSK	20325	1RB#74	-37.70	PASS
Band4	15MHz	16QAM	20325	1RB#74	-38.05	PASS
Band4	15MHz	QPSK	20325	75RB#0	-37.82	PASS
Band4	15MHz	16QAM	20325	75RB#0	-39.64	PASS
Band4	20MHz	QPSK	20050	1RB#0	-40.95	PASS
Band4	20MHz	16QAM	20050	1RB#0	-42.05	PASS
Band4	20MHz	QPSK	20050	1RB#99	-49.89	PASS
Band4	20MHz	16QAM	20050	1RB#99	-50.25	PASS
Band4	20MHz	QPSK	20050	100RB#0	-38.93	PASS
Band4	20MHz	16QAM	20050	100RB#0	-40.76	PASS
Band4	20MHz	QPSK	20300	1RB#0	-27.41	PASS
Band4	20MHz	16QAM	20300	1RB#0	-28.85	PASS
Band4	20MHz	QPSK	20300	1RB#99	-40.20	PASS
Band4	20MHz	16QAM	20300	1RB#99	-41.38	PASS
Band4	20MHz	QPSK	20300	100RB#0	-38.63	PASS
Band4	20MHz	16QAM	20300	100RB#0	-40.64	PASS

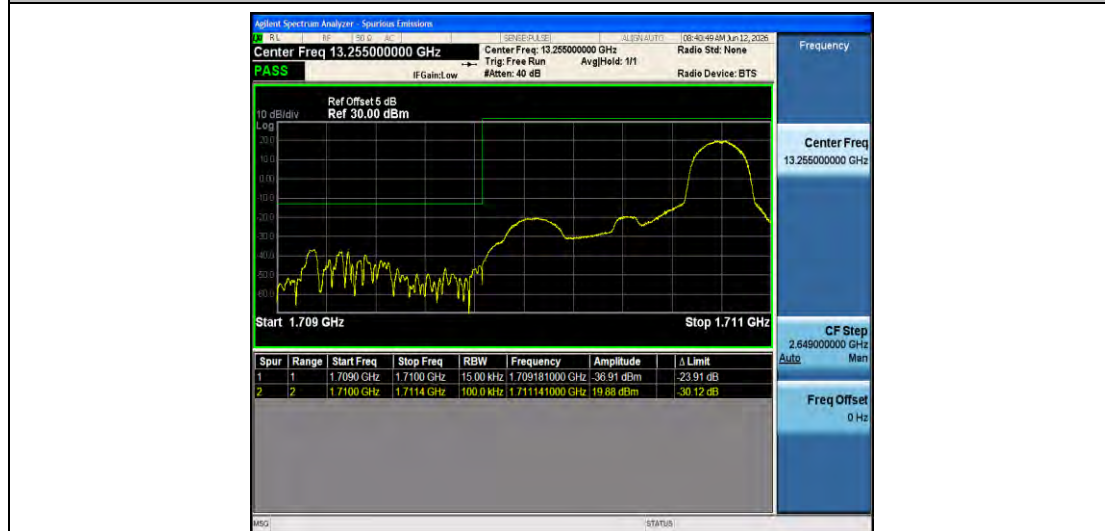
Test Graphs



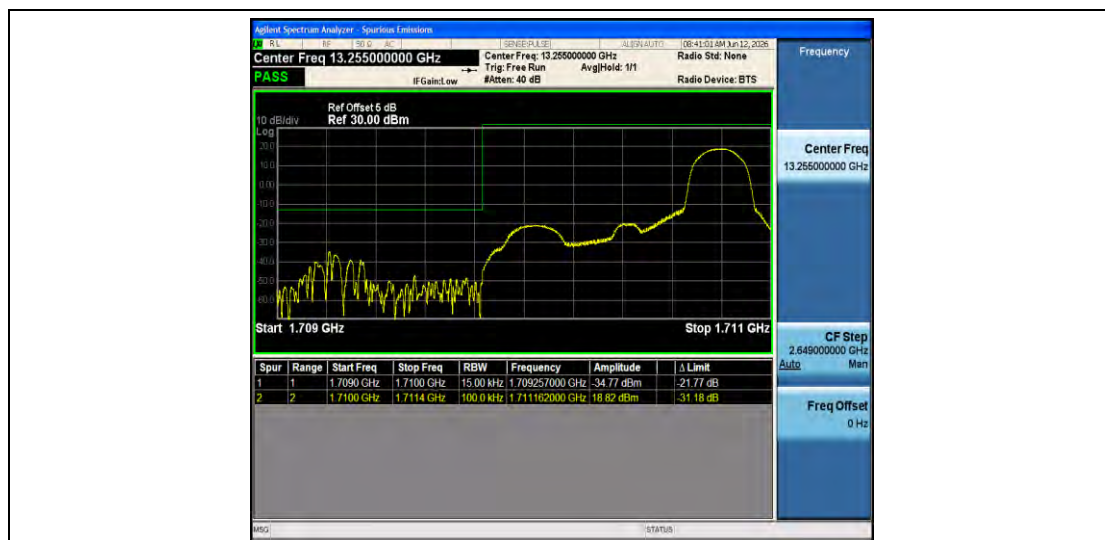
Band4-1.4MHz-QPSK-19957-1RB#0-PASS



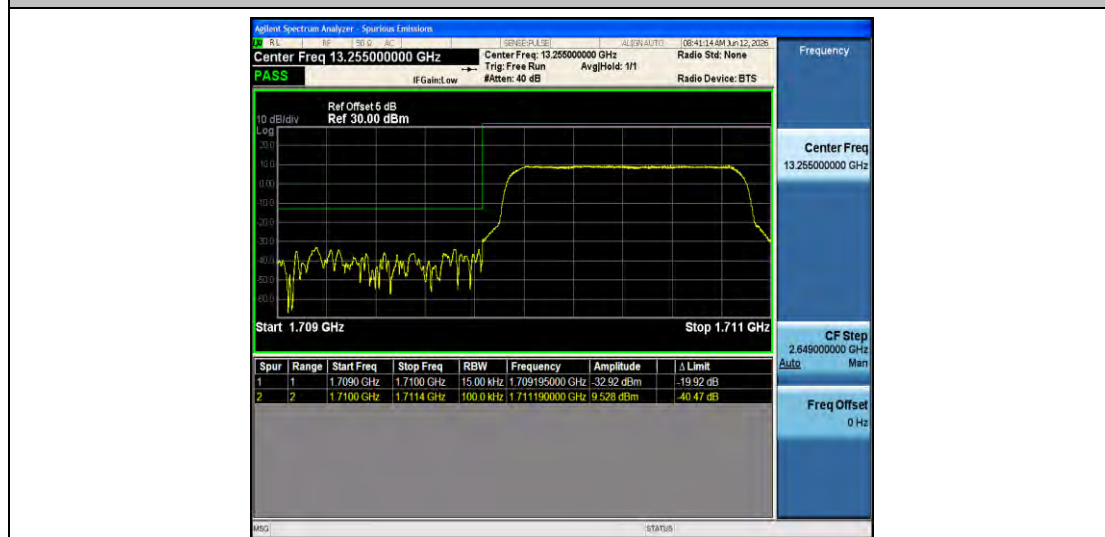
Band4-1.4MHz-16QAM-19957-1RB#0-PASS



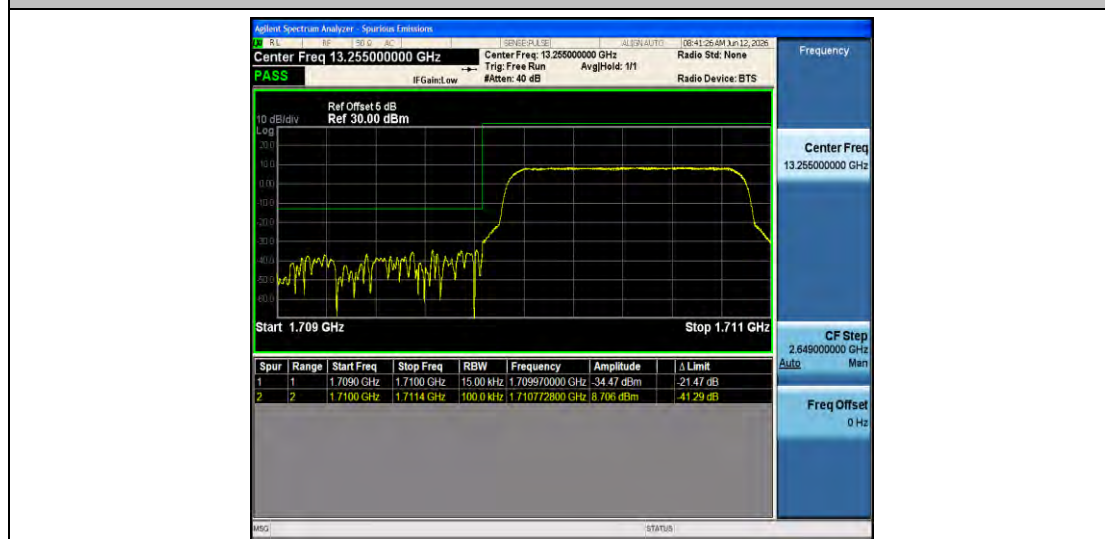
Band4-1.4MHz-QPSK-19957-1RB#5-PASS



Band4-1.4MHz-16QAM-19957-1RB#5-PASS



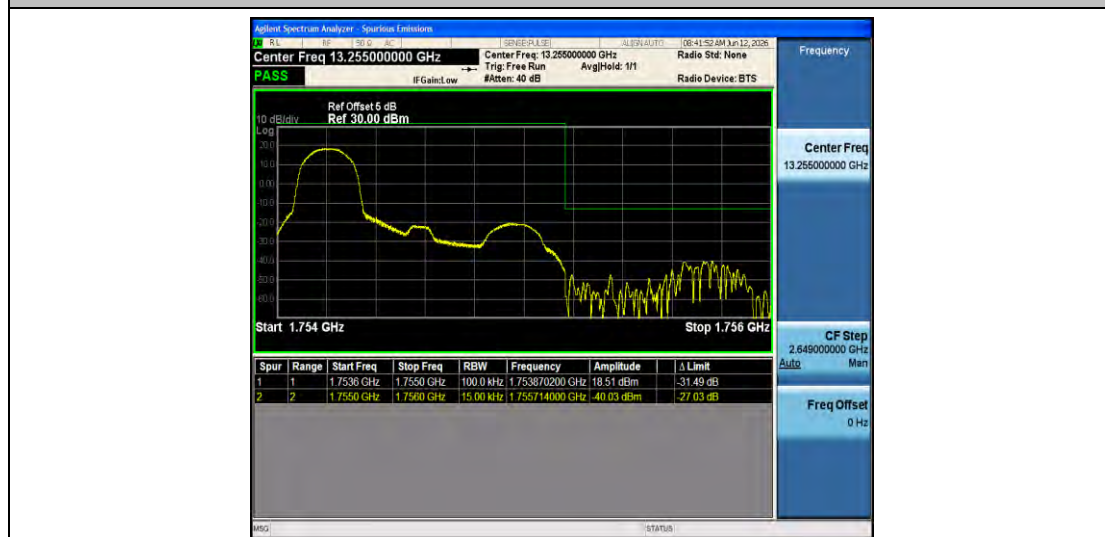
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



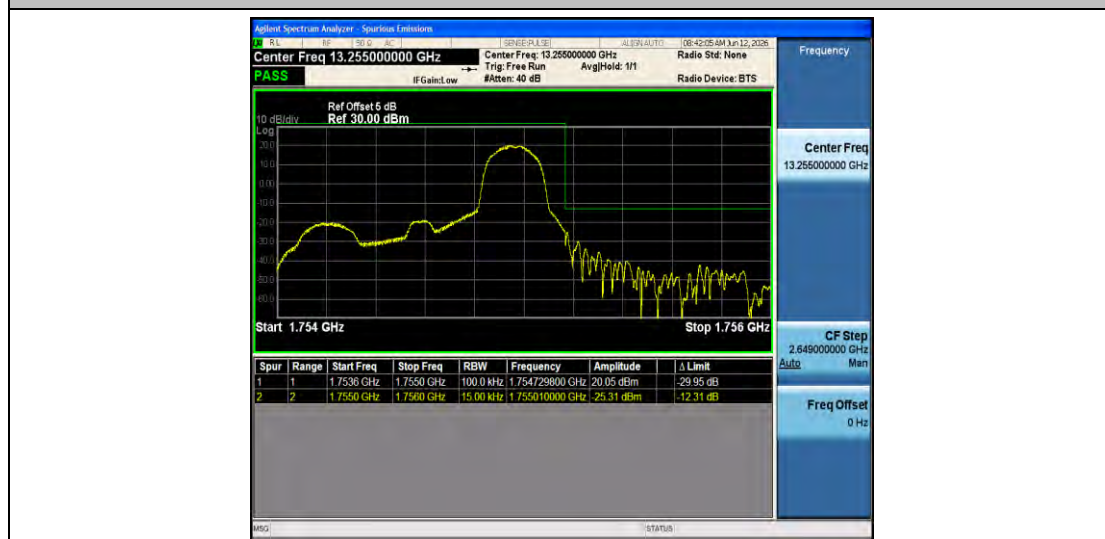
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



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



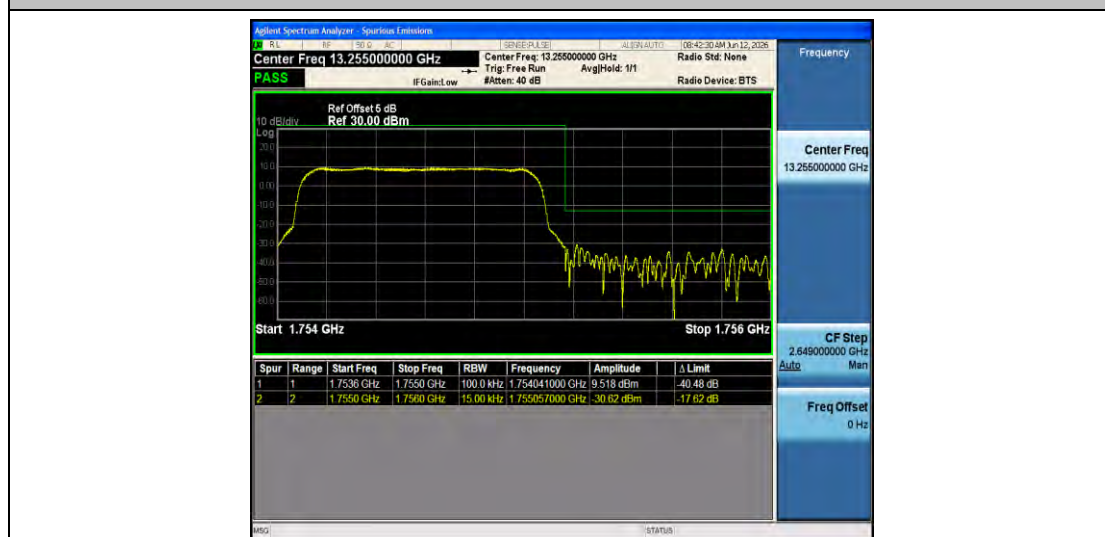
Band4-1.4MHz-16QAM-20393-1RB#0-PASS



Band4-1.4MHz-QPSK-20393-1RB#5-PASS



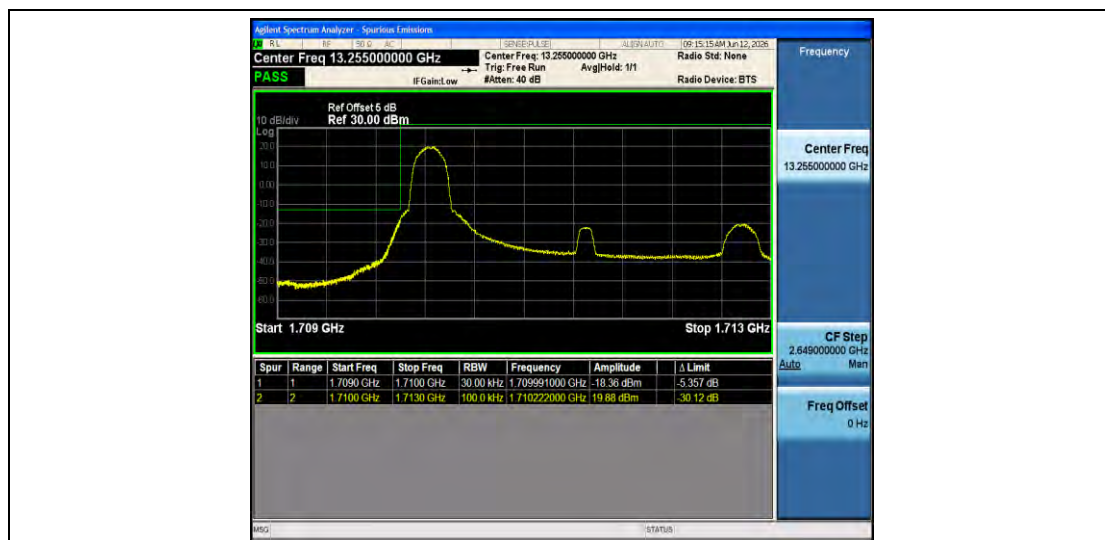
Band4-1.4MHz-16QAM-20393-1RB#5-PASS



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



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



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



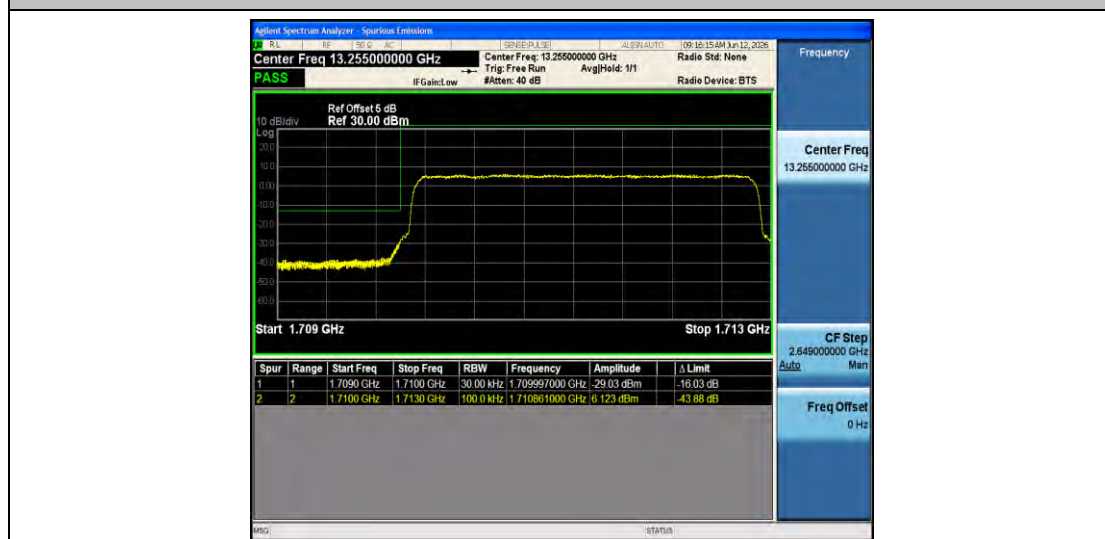
Band4-3MHz-16QAM-19965-1RB#0-PASS



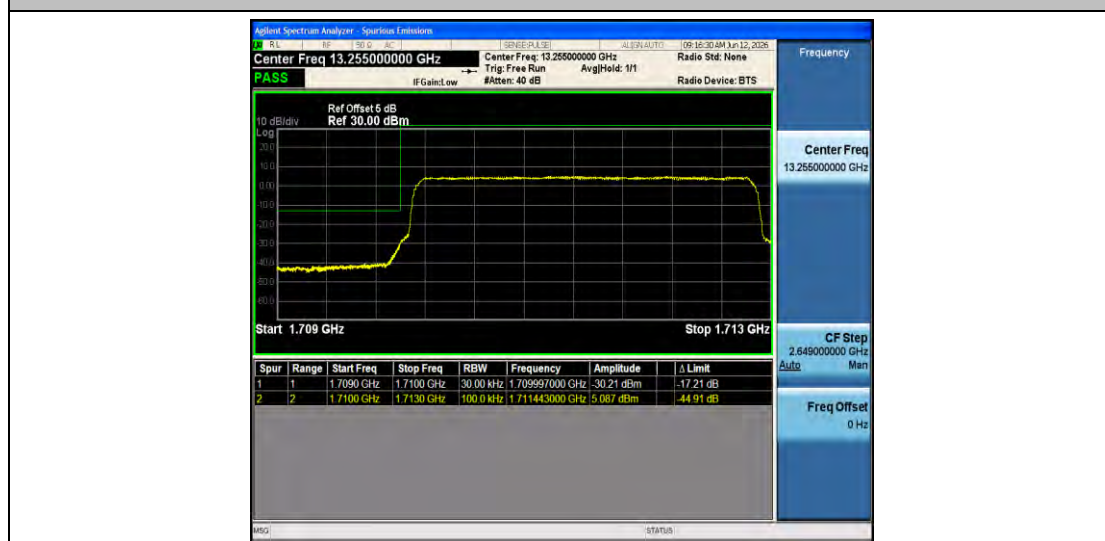
Band4-3MHz-QPSK-19965-1RB#14-PASS



Band4-3MHz-16QAM-19965-1RB#14-PASS



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



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



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



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



Band4-3MHz-QPSK-20385-1RB#14-PASS