Appendix G: Test Data for E-UTRA Band 4

Product Name: Smartphone

Test Model: CG65

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

G.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.44	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.69	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.47	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.55	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.58	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.45	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.55	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.42	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.58	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.40	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.55	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.60	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.47	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.64	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.68	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.79	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.47	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.65	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.56	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.45	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.54	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.49	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.63	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.49	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.54	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.48	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.40	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.28	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.50	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.47	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.38	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.50	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.32	PASS

Band4	1.4MHz	QPSK	20393	3RB#1	22.52	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.49	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.37	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.48	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.47	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.66	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.45	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.62	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.45	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.60	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.48	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.61	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.53	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.61	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.51	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.60	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.50	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.57	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.48	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.68	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.48	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.66	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.43	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.65	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.52	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.56	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.50	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.59	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.46	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.53	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.49	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.51	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.47	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.35	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.43	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.36	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.41	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.37	PASS

Band4	3MHz	QPSK	20385	8RB#0	21.48	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.52	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.47	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.51	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.47	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.52	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.46	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.42	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.44	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.44	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.57	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.56	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.41	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.35	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.45	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.48	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.49	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.50	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.53	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.53	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.46	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.53	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.48	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.66	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.68	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.81	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.45	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.64	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.51	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.59	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.46	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.56	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.48	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.55	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.50	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.56	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.46	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.44	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.55	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.56	PASS

Band4	5MHz	QPSK	20375	1RB#24	22.44	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.38	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.44	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.50	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.45	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.50	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.47	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.47	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.46	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.57	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.51	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.63	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.51	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.74	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.42	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.61	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.40	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.49	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.44	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.48	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.53	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.57	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.43	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.47	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.43	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.59	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.62	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.72	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.46	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.63	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.54	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.63	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.54	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.63	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.50	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.60	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.49	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.55	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.48	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.43	PASS

Band4	10MHz	QPSK	20350	1RB#24	22.53	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.52	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.36	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.31	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.46	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.54	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.46	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.59	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.47	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.55	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.46	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.50	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.36	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.49	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.42	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.54	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.26	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.45	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.47	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.49	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.48	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.47	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.42	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.44	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.42	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.41	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.34	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.62	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.42	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.81	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.31	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.66	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.52	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.51	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.50	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.52	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.48	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.48	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.47	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.52	PASS

Band4	15MHz	QPSK	20325	1RB#0	22.43	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.36	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.50	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.35	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.20	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.46	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.50	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.50	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.49	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.48	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.48	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.48	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.53	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.32	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.35	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.70	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.81	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.27	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.27	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.38	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.46	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.38	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.43	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.36	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.44	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.38	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.45	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.43	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.67	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.98	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.23	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.39	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.58	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.63	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.55	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.64	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.52	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.60	PASS

Band4	20MHz	QPSK	20175	100RB#0	21.51	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.61	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.22	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.29	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.52	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.59	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.08	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.19	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.47	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.64	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.48	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.63	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.52	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.65	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.55	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.56	PASS

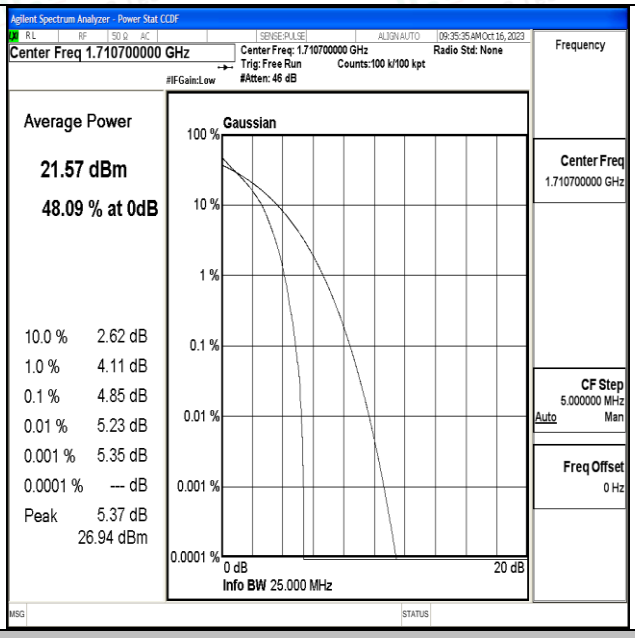
G.2 Peak-to-Average Ratio(CCDF)

Test Result

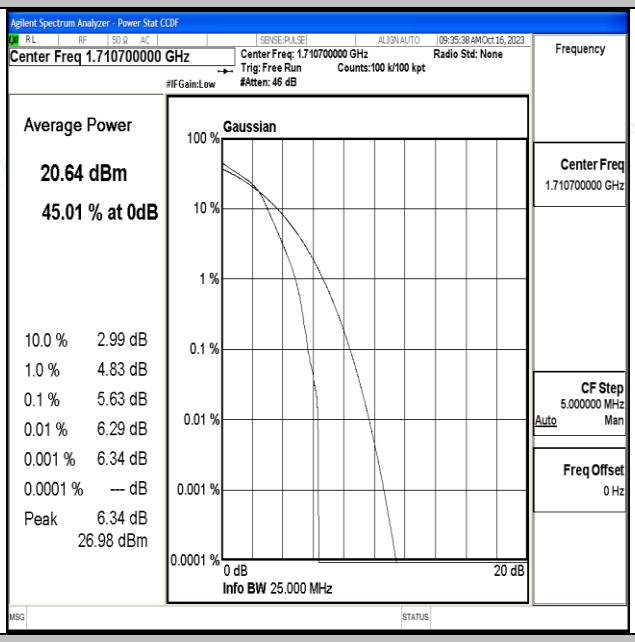
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.85	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.63	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.38	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.17	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.20	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.75	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.84	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.75	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.65	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.39	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.19	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.99	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.04	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.69	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.62	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.28	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.21	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.79	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.11	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.88	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.56	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.26	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.34	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.03	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.52	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.08	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.81	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.34	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.65	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.22	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.38	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.14	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.55	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.32	13	PASS

Band4	20MHz	QPSK	20300	100RB#0	5.58	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.22	13	PASS

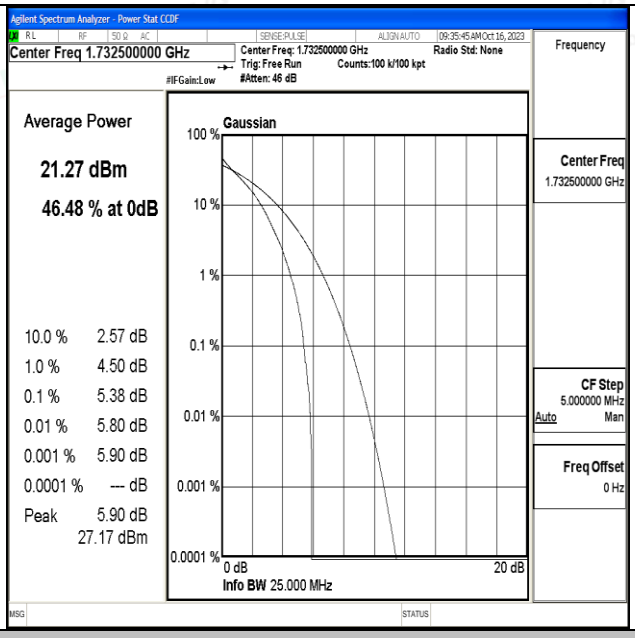
Test Graphs



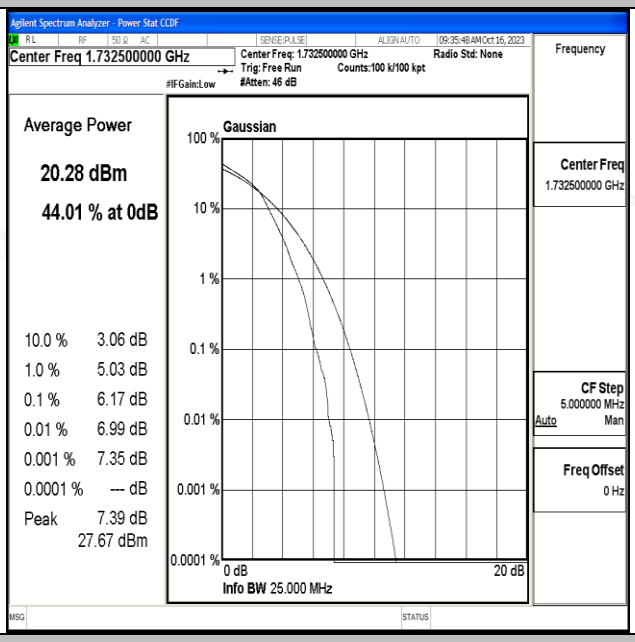
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



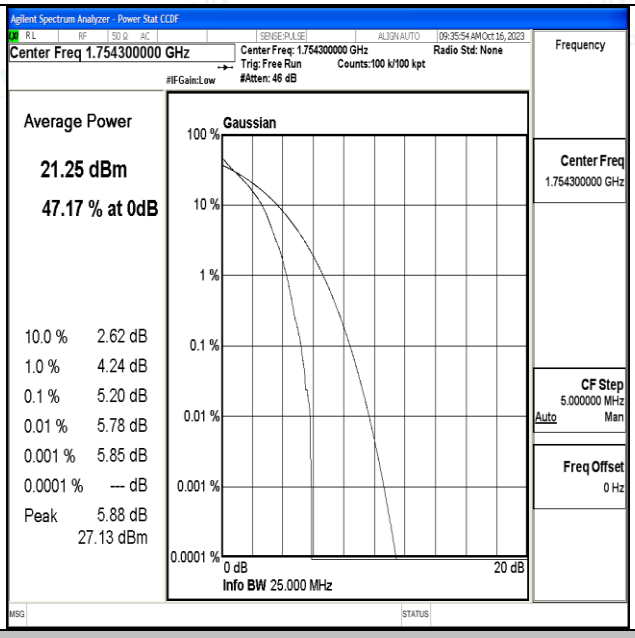
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



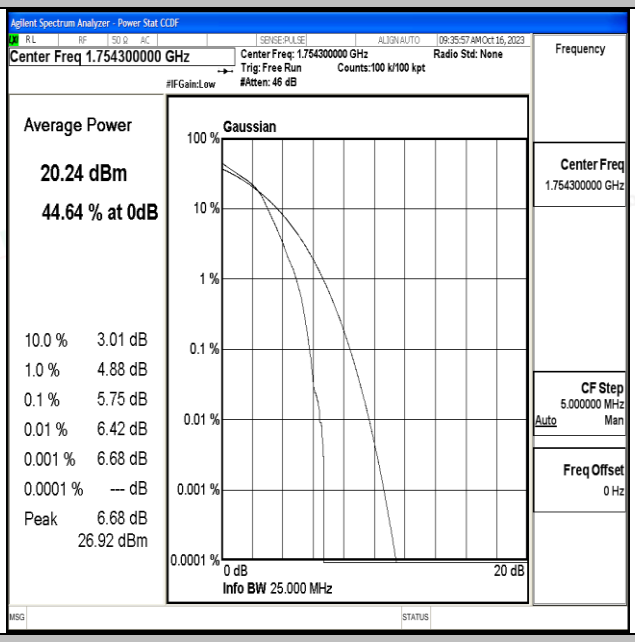
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



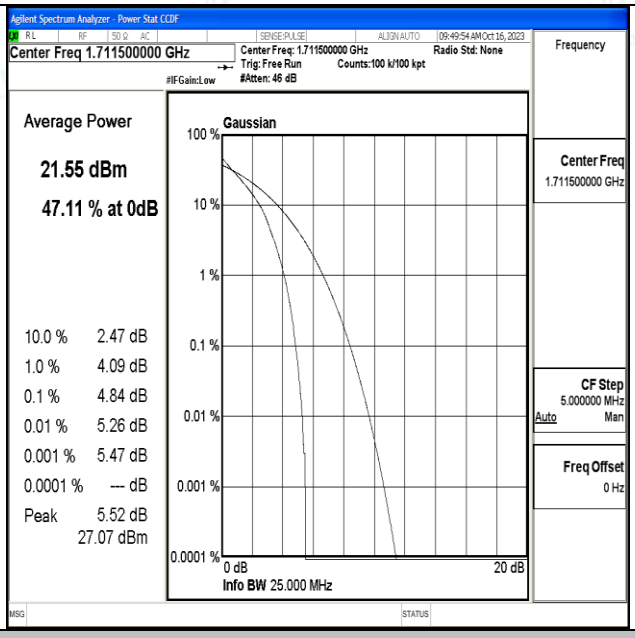
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



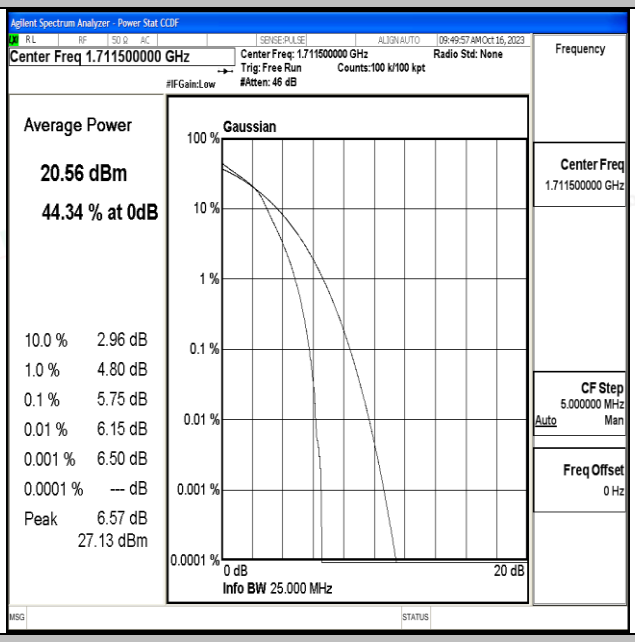
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



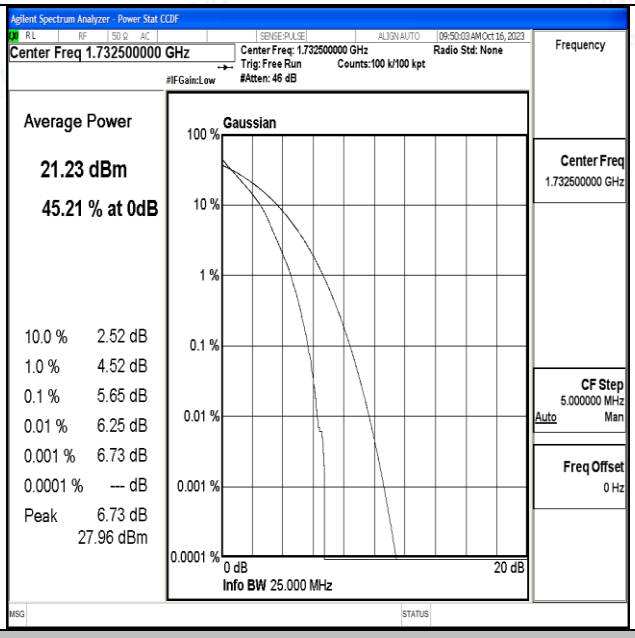
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



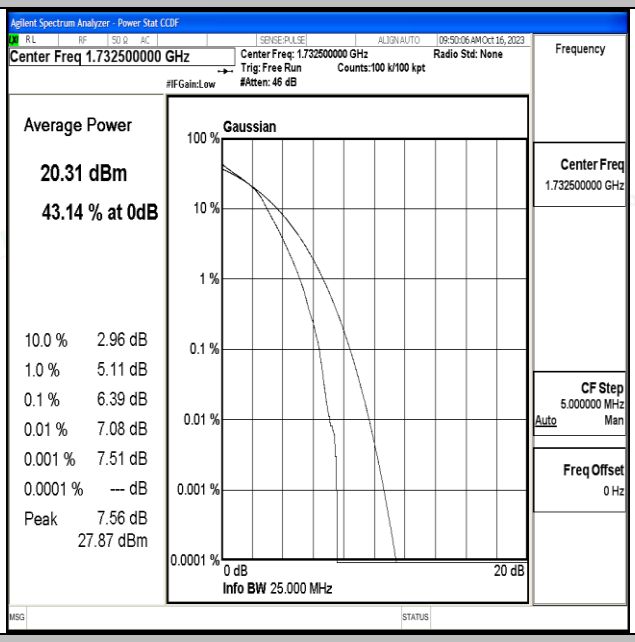
Band4-3MHz-QPSK-19965-15RB#0-PASS



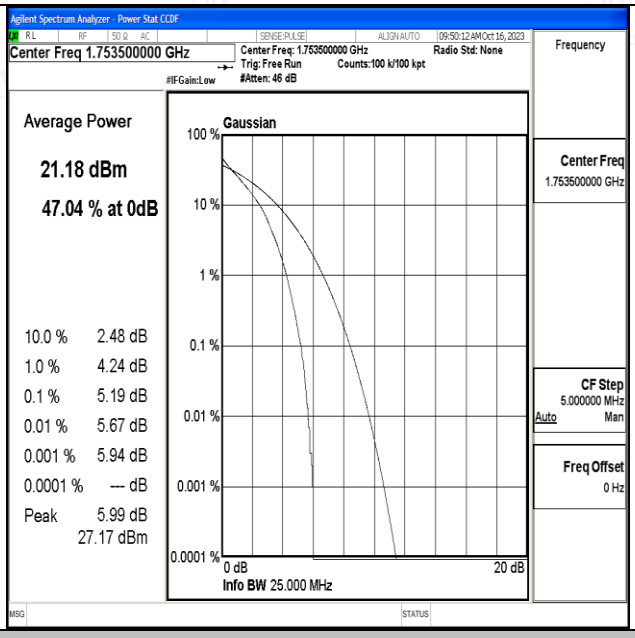
Band4-3MHz-16QAM-19965-15RB#0-PASS



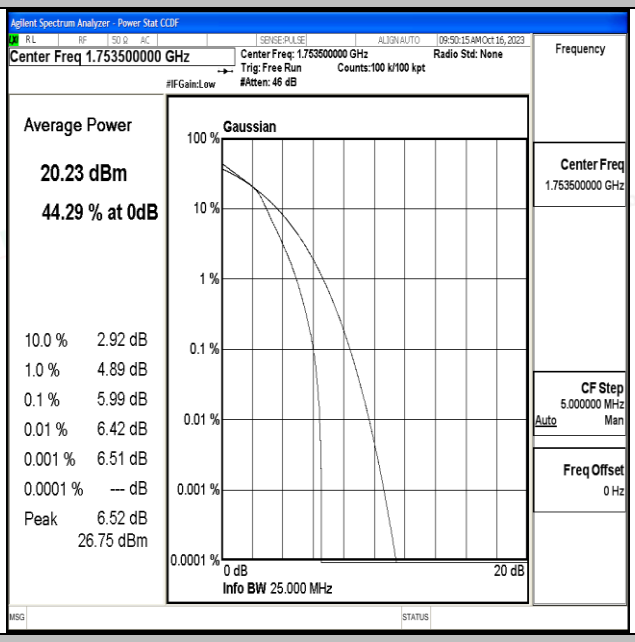
Band4-3MHz-QPSK-20175-15RB#0-PASS



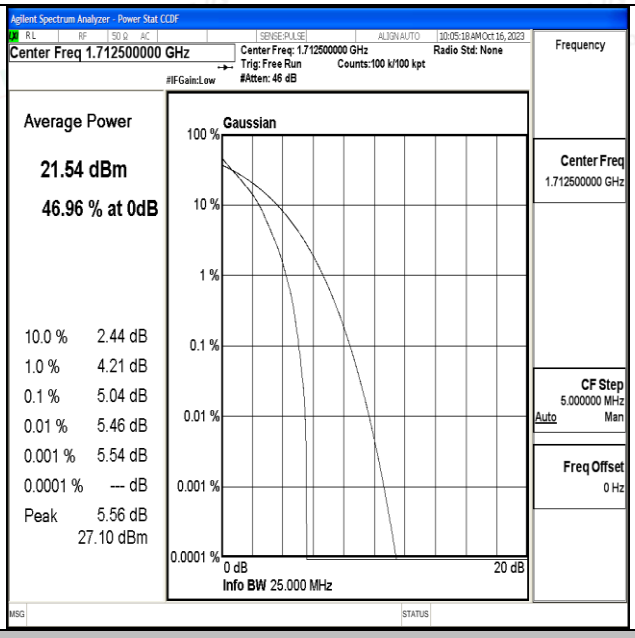
Band4-3MHz-16QAM-20175-15RB#0-PASS



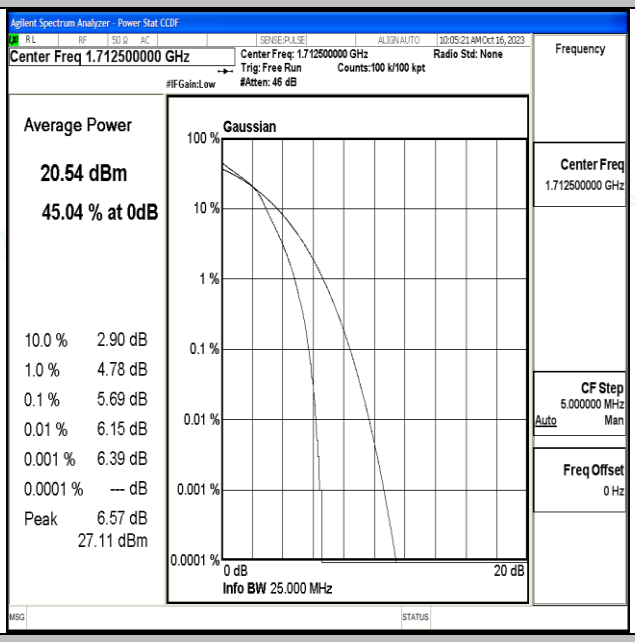
Band4-3MHz-QPSK-20385-15RB#0-PASS



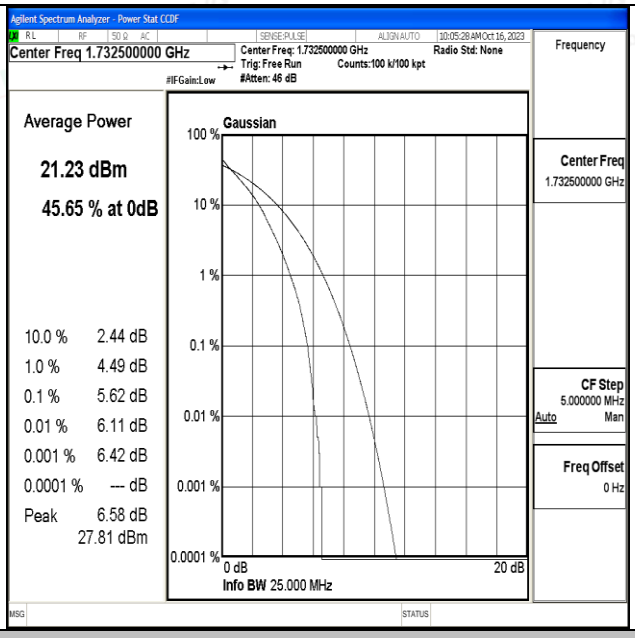
Band4-3MHz-16QAM-20385-15RB#0-PASS



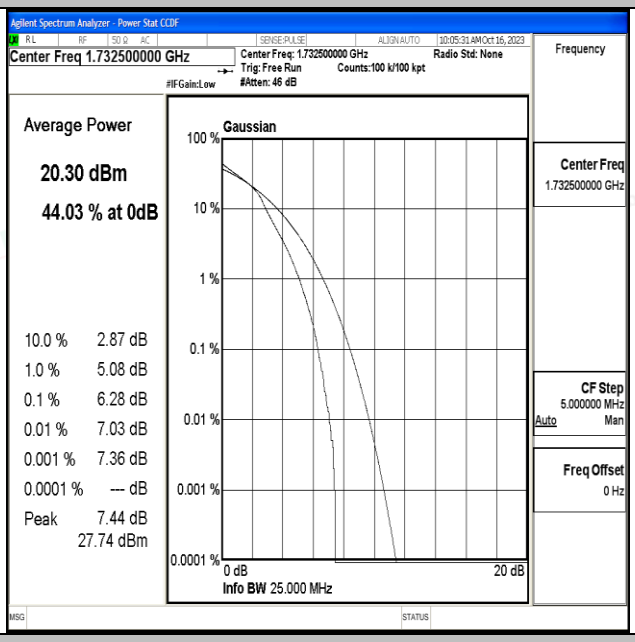
Band4-5MHz-QPSK-19975-25RB#0-PASS



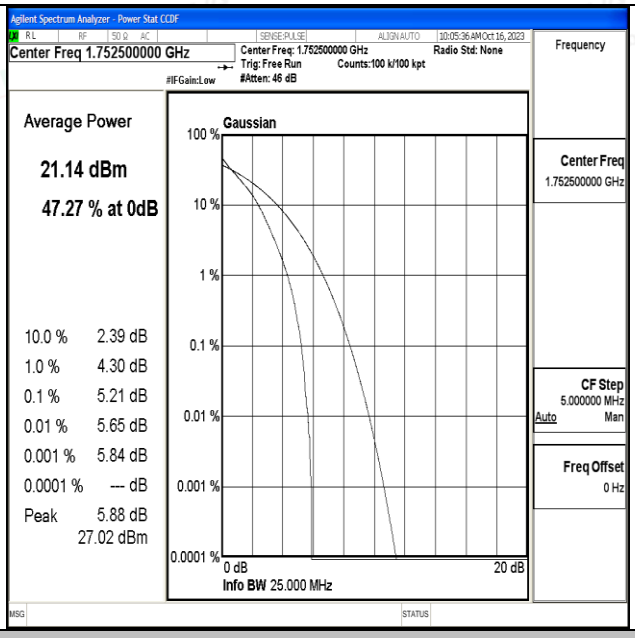
Band4-5MHz-16QAM-19975-25RB#0-PASS



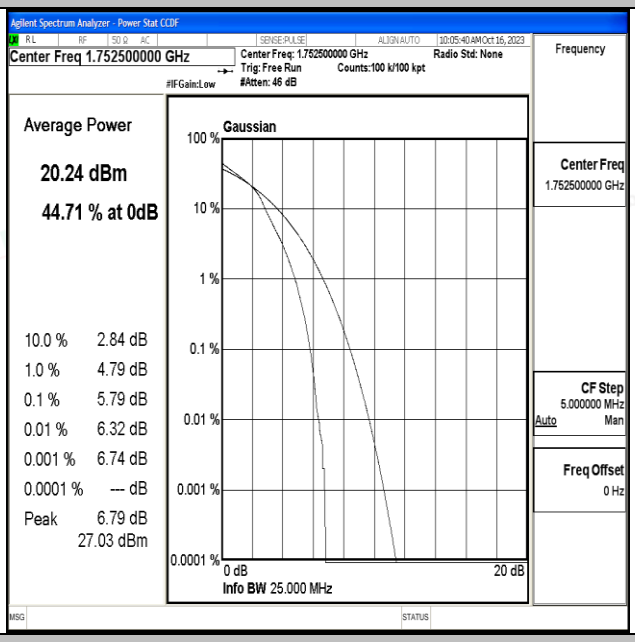
Band4-5MHz-QPSK-20175-25RB#0-PASS



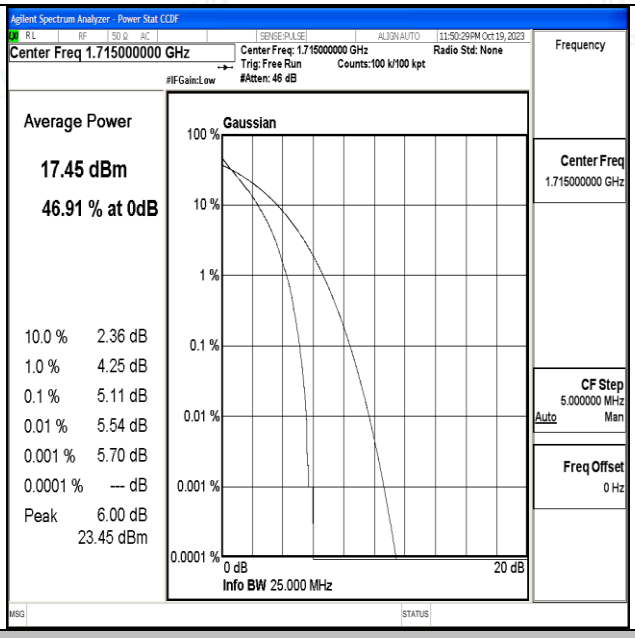
Band4-5MHz-16QAM-20175-25RB#0-PASS



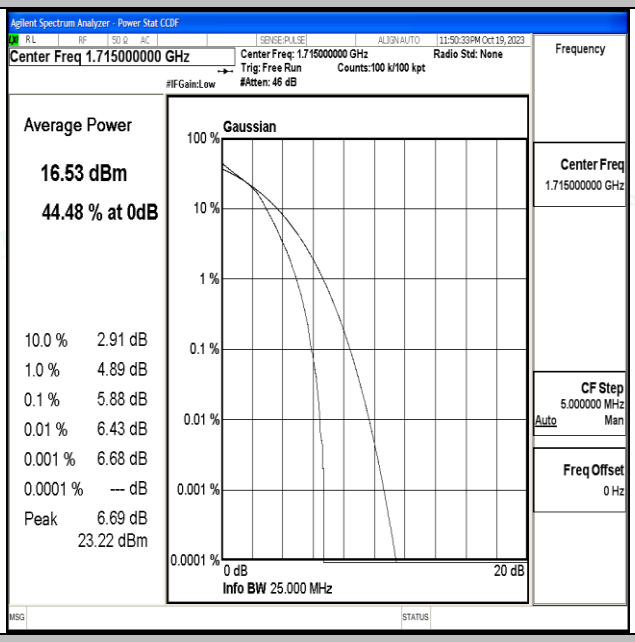
Band4-5MHz-QPSK-20375-25RB#0-PASS



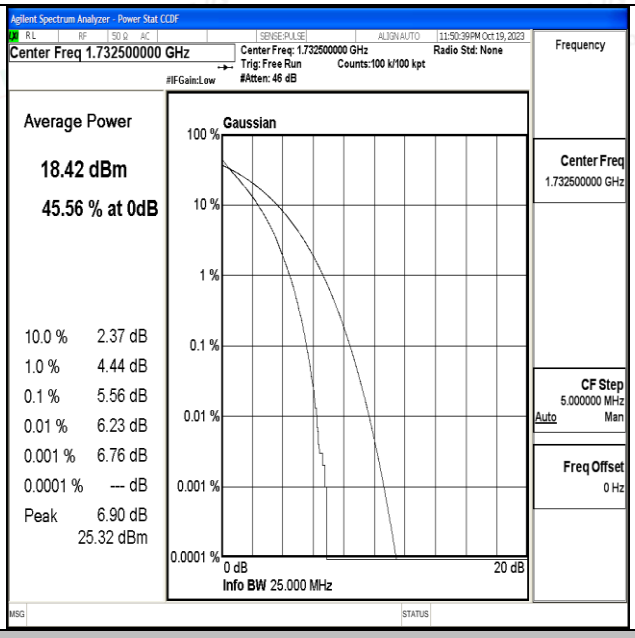
Band4-5MHz-16QAM-20375-25RB#0-PASS



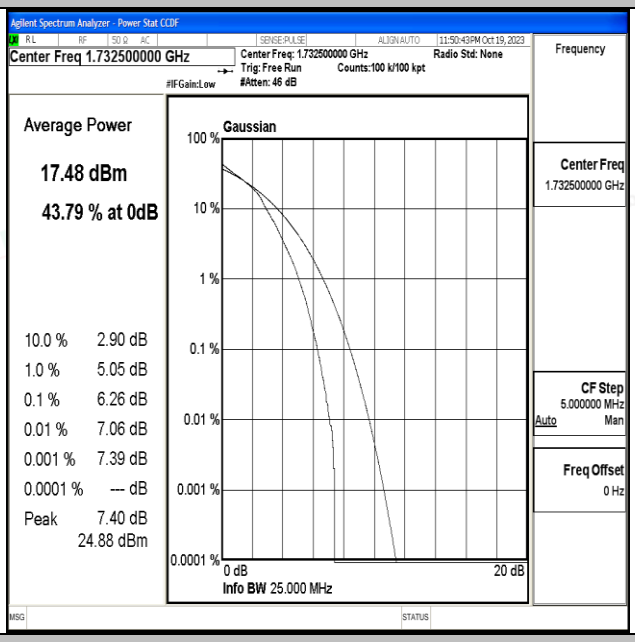
Band4-10MHz-QPSK-20000-50RB#0-PASS



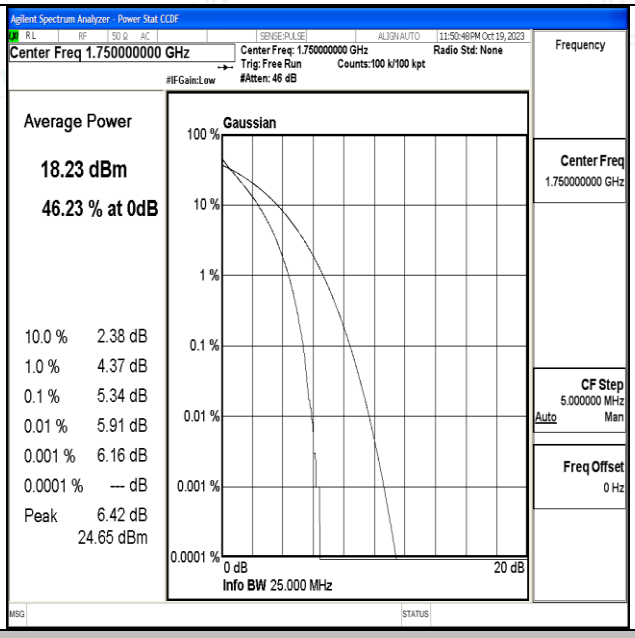
Band4-10MHz-16QAM-20000-50RB#0-PASS



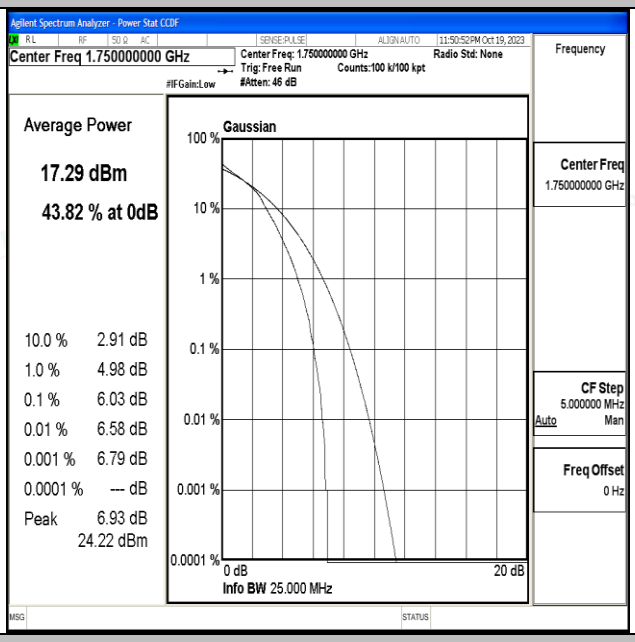
Band4-10MHz-QPSK-20175-50RB#0-PASS



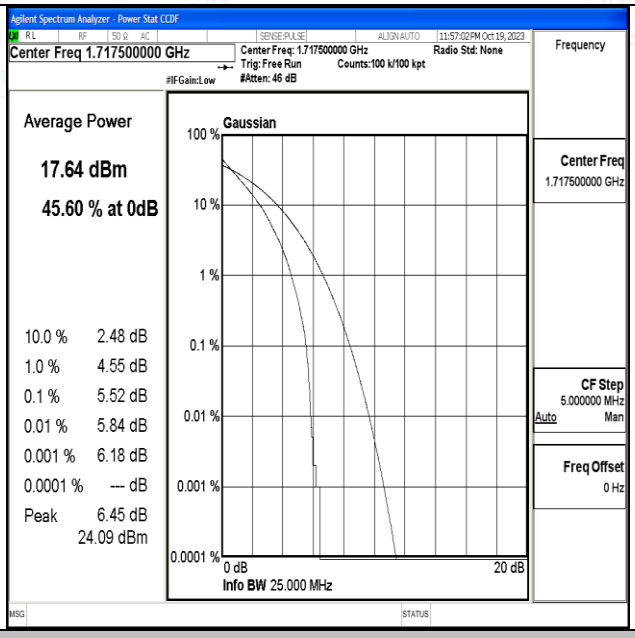
Band4-10MHz-16QAM-20175-50RB#0-PASS



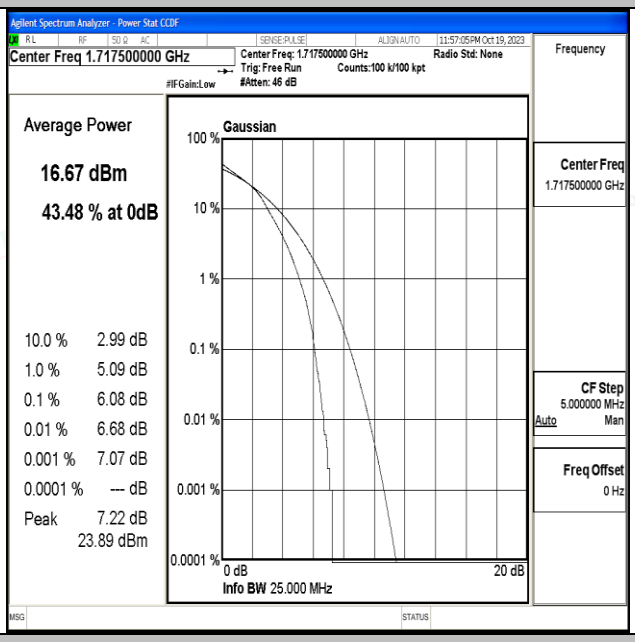
Band4-10MHz-QPSK-20350-50RB#0-PASS



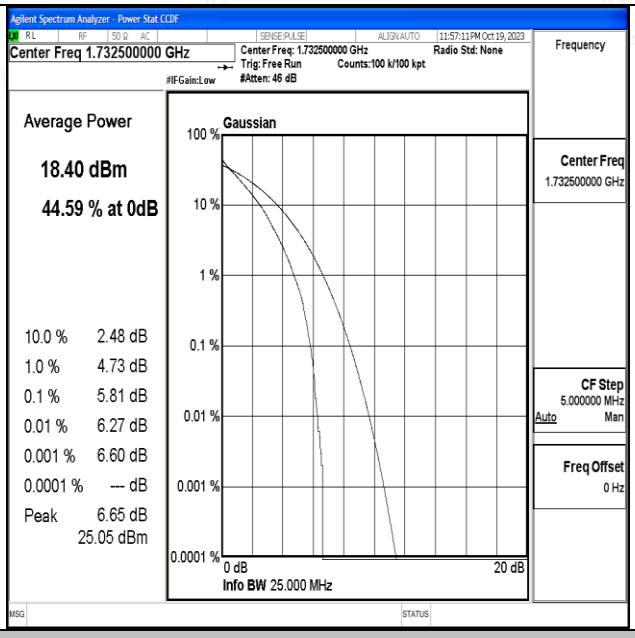
Band4-10MHz-16QAM-20350-50RB#0-PASS



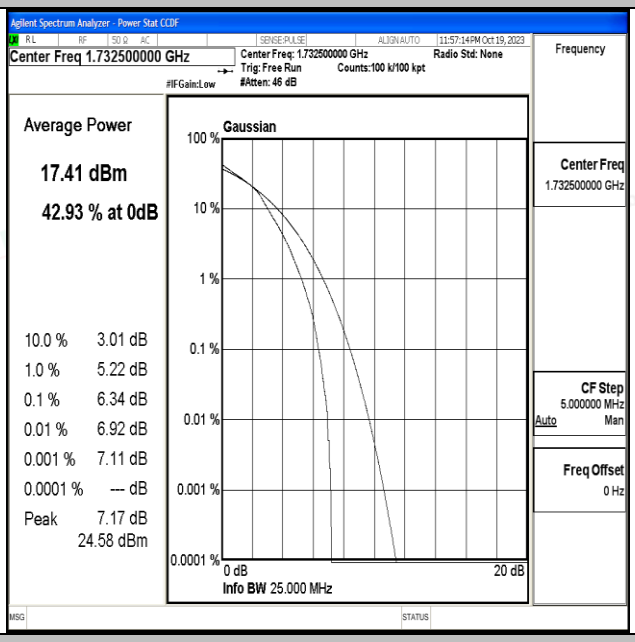
Band4-15MHz-QPSK-20025-75RB#0-PASS



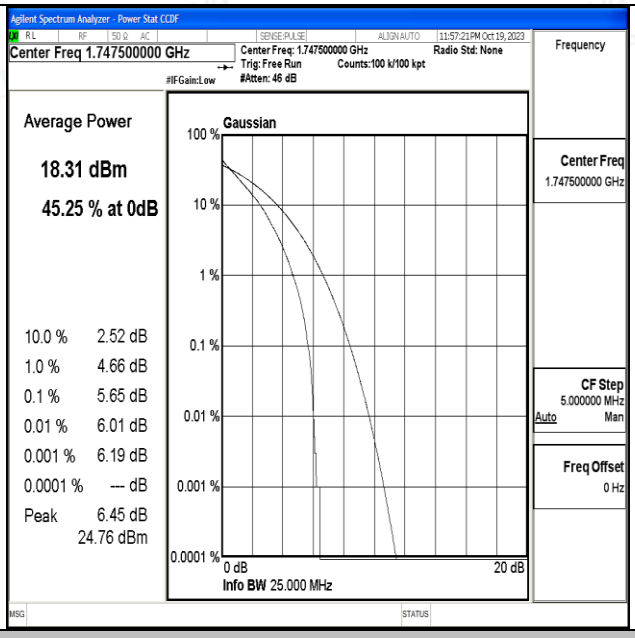
Band4-15MHz-16QAM-20025-75RB#0-PASS



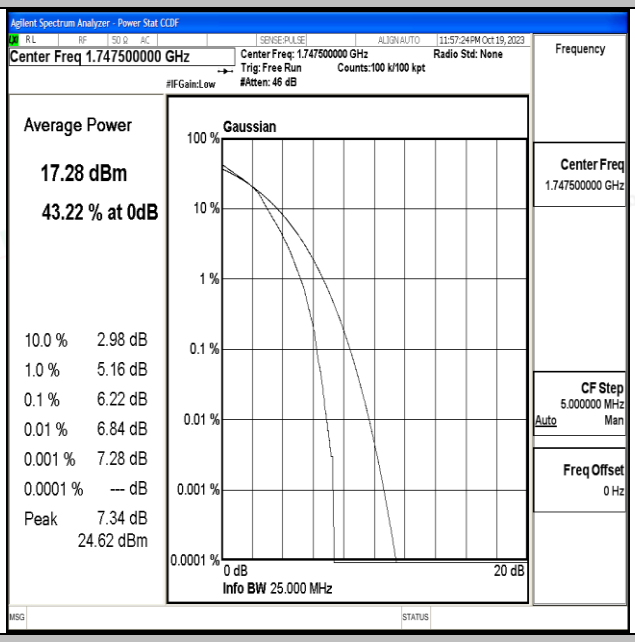
Band4-15MHz-QPSK-20175-75RB#0-PASS



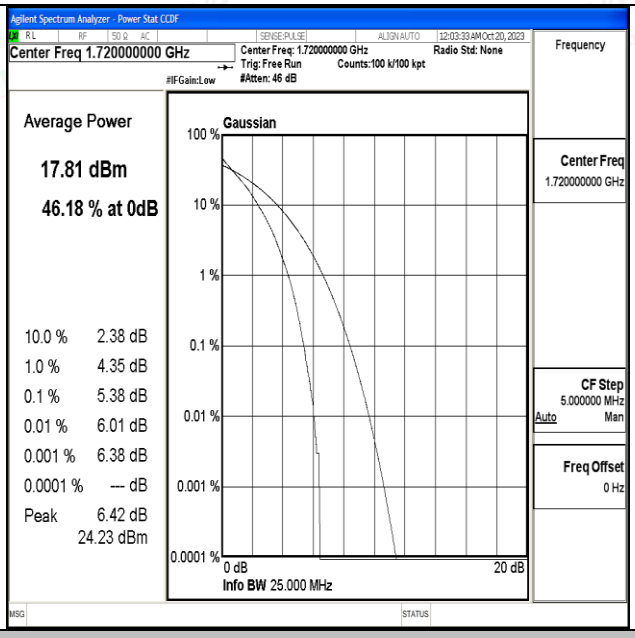
Band4-15MHz-16QAM-20175-75RB#0-PASS



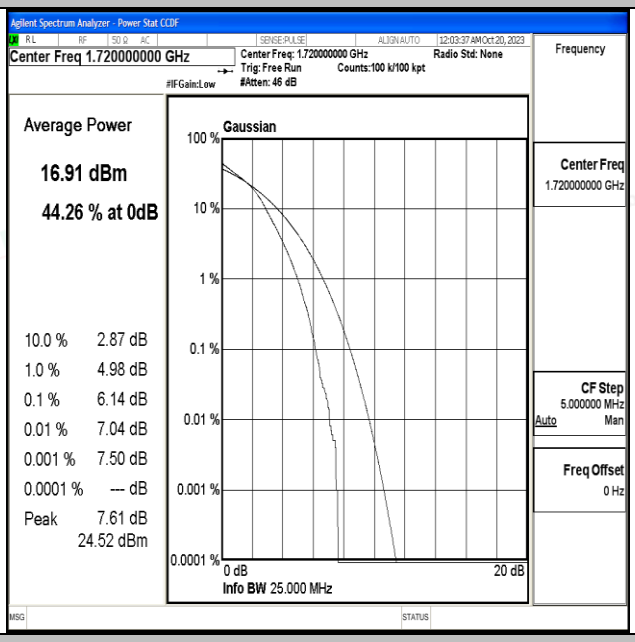
Band4-15MHz-QPSK-20325-75RB#0-PASS



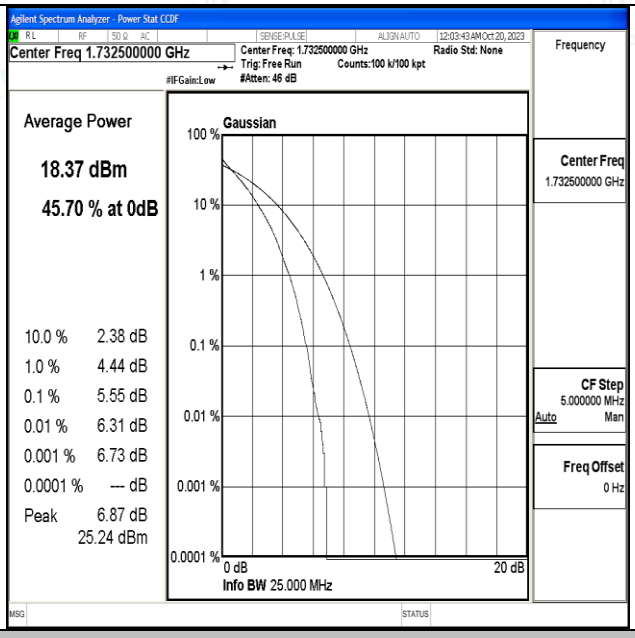
Band4-15MHz-16QAM-20325-75RB#0-PASS



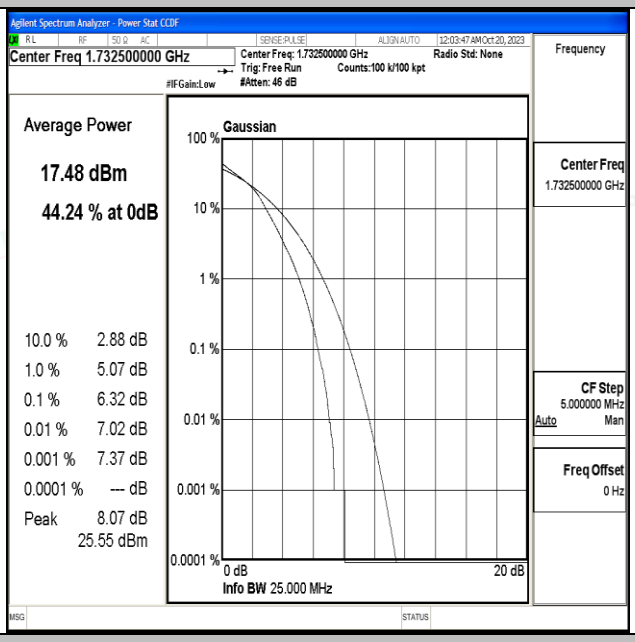
Band4-20MHz-QPSK-20050-100RB#0-PASS



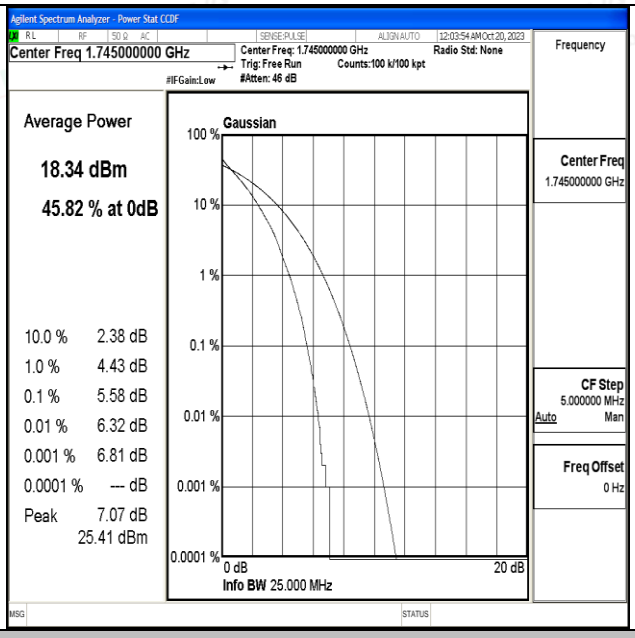
Band4-20MHz-16QAM-20050-100RB#0-PASS



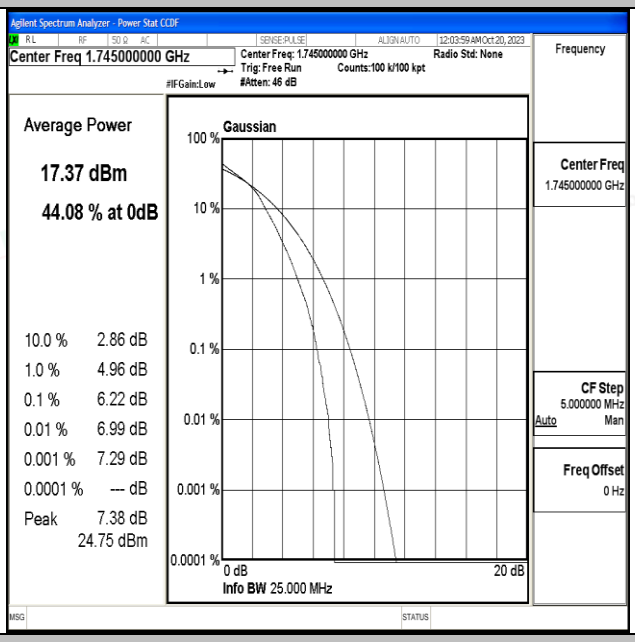
Band4-20MHz-QPSK-20175-100RB#0-PASS



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



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



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

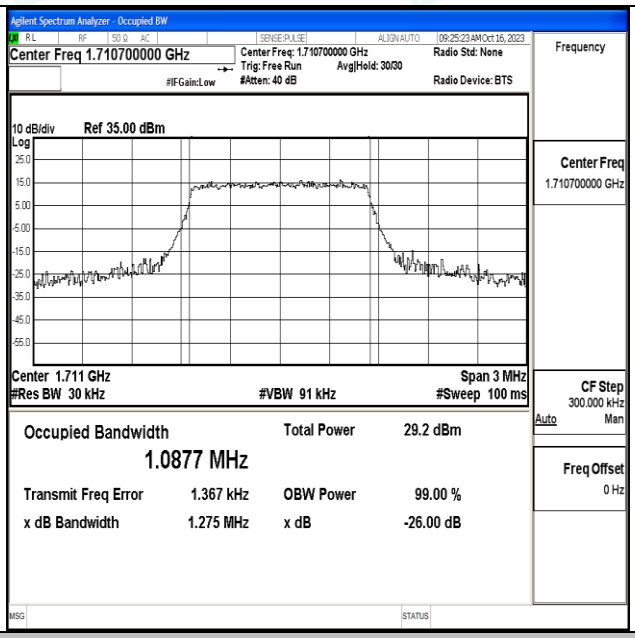
G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

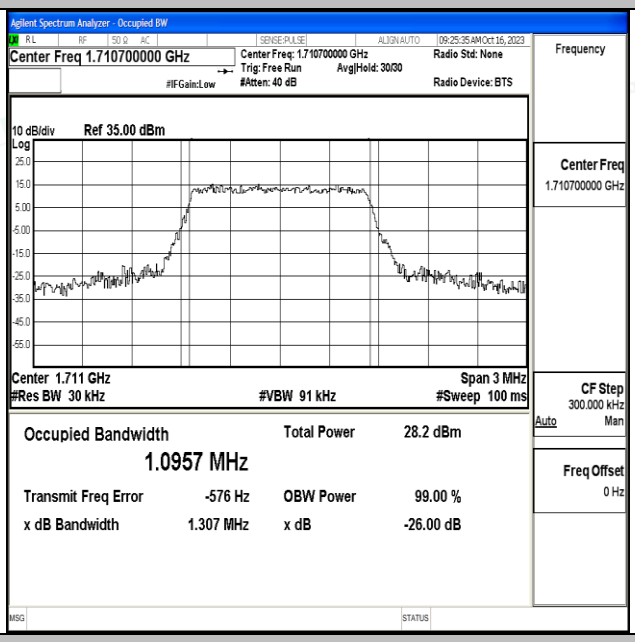
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0877	1.275	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0957	1.307	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0882	1.280	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0933	1.296	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0875	1.281	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0921	1.318	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6852	2.882	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6826	2.914	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6851	2.914	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6866	2.921	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6793	2.909	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6806	2.915	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4905	4.949	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4860	4.912	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5093	4.915	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4880	4.889	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4997	4.934	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4877	4.893	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9584	9.720	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9519	9.699	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9735	9.804	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9708	9.732	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9997	9.707	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9684	9.812	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.461	14.64	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.469	14.60	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.467	14.57	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.483	14.60	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.57	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.464	14.65	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.924	19.29	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.907	19.37	PASS

Band4	20MHz	QPSK	20175	100RB#0	17.950	19.35	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.999	19.31	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.979	19.61	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.955	19.49	PASS

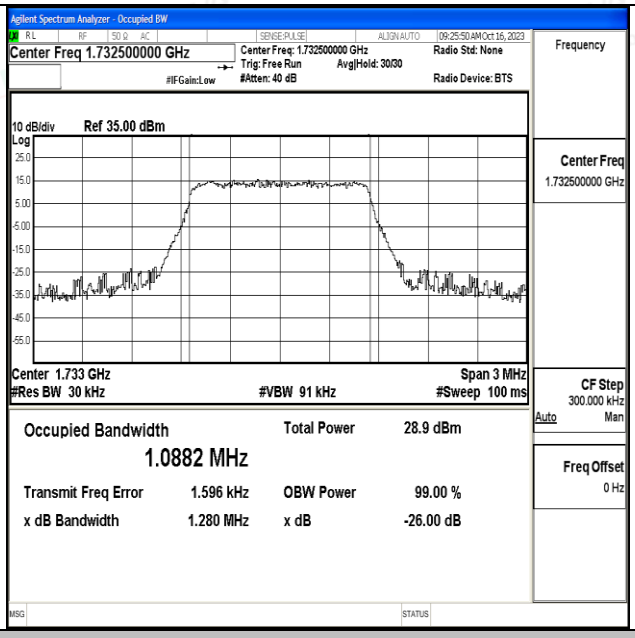
Test Graphs



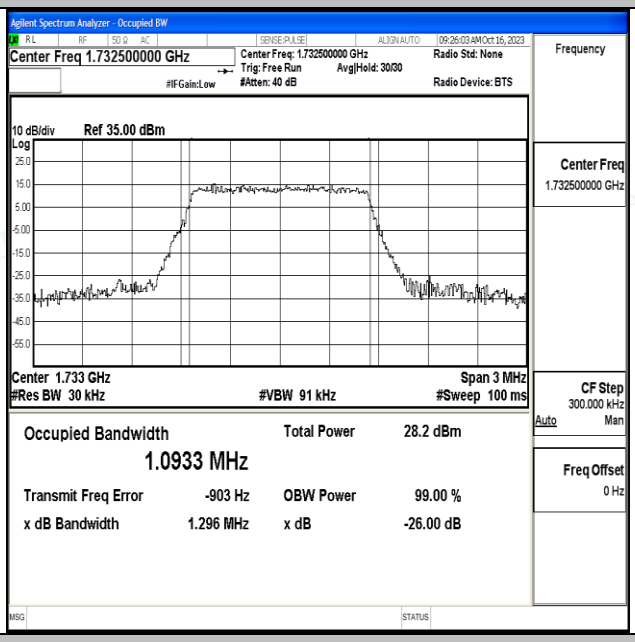
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



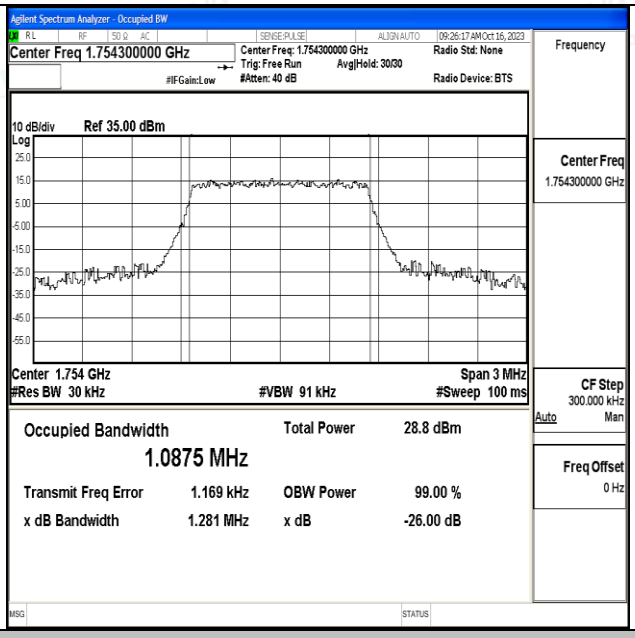
Band4-1.4MHz-16QAM-19957-6RB#0-PASS



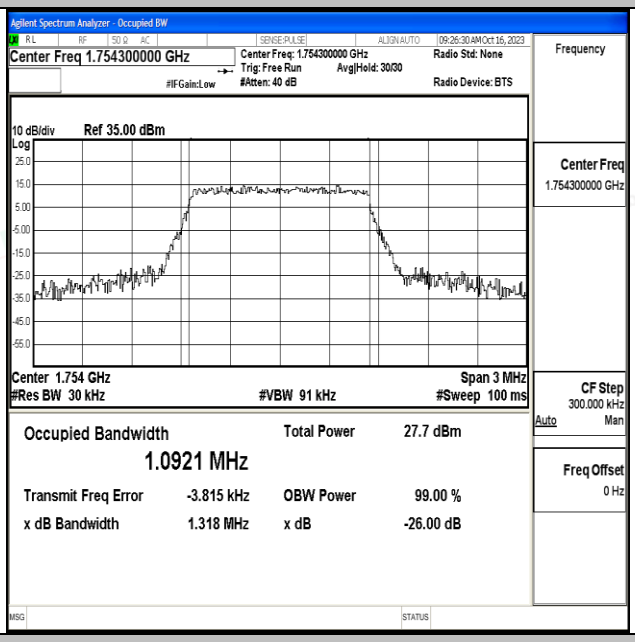
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



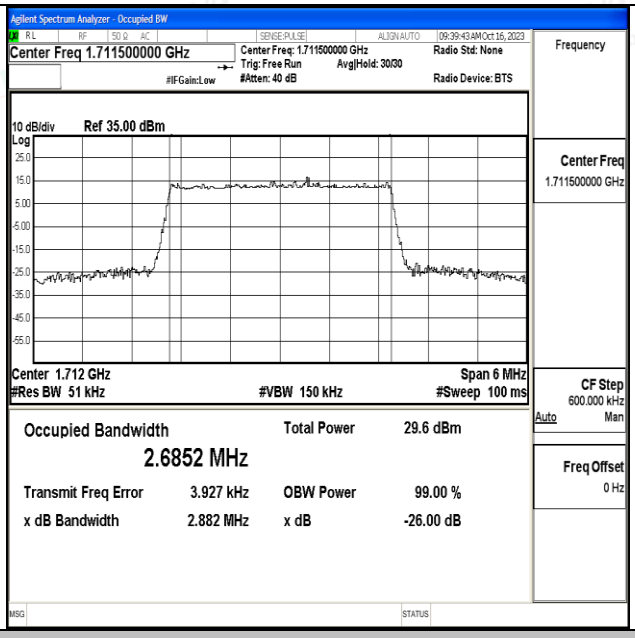
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



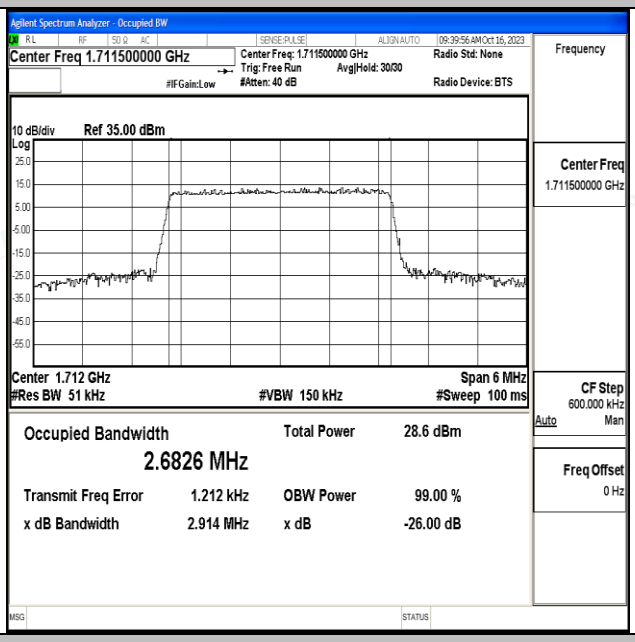
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



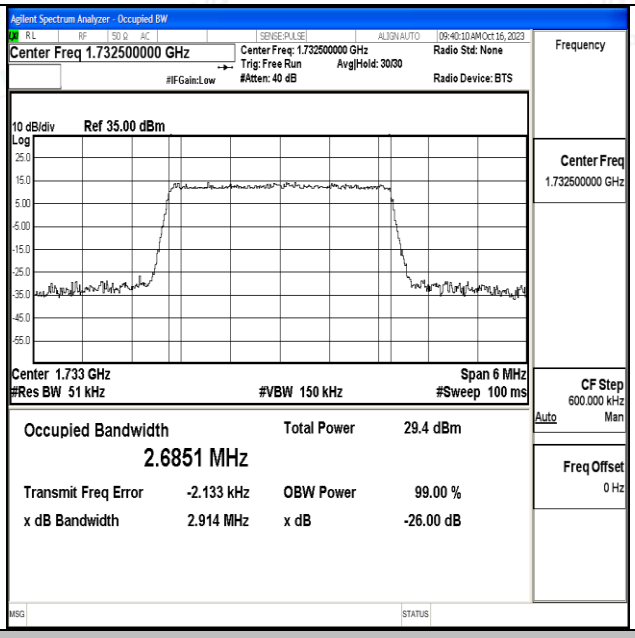
Band4-1.4MHz-16QAM-20393-6RB#0-PASS



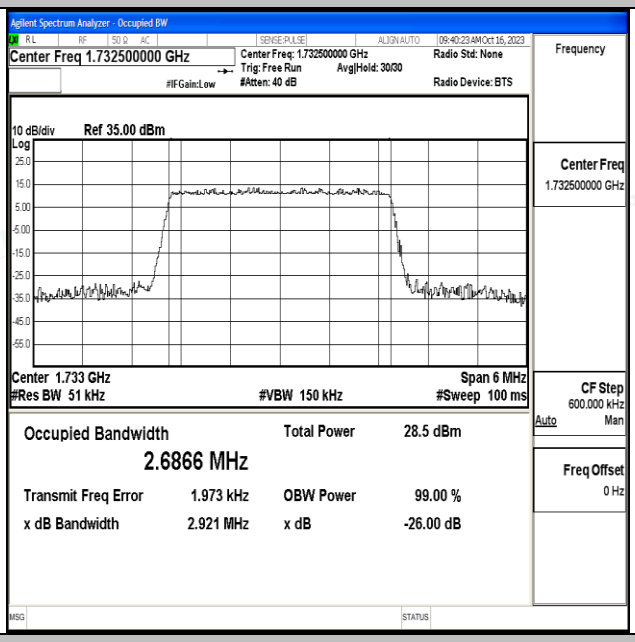
Band4-3MHz-QPSK-19965-15RB#0-PASS



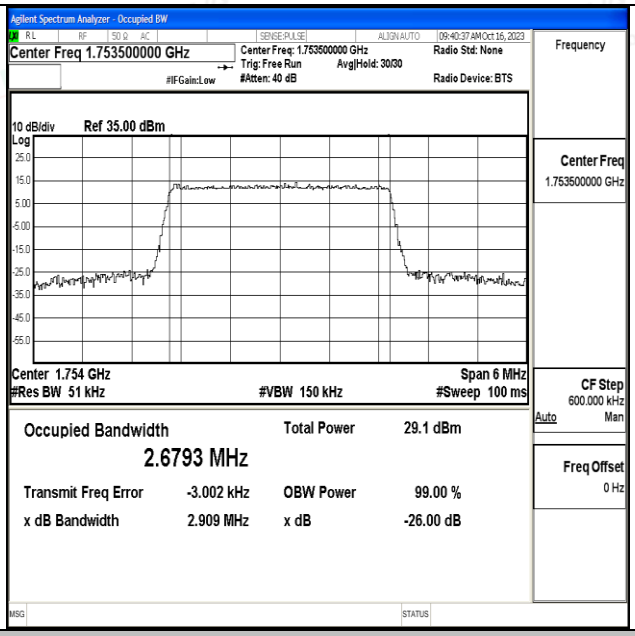
Band4-3MHz-16QAM-19965-15RB#0-PASS



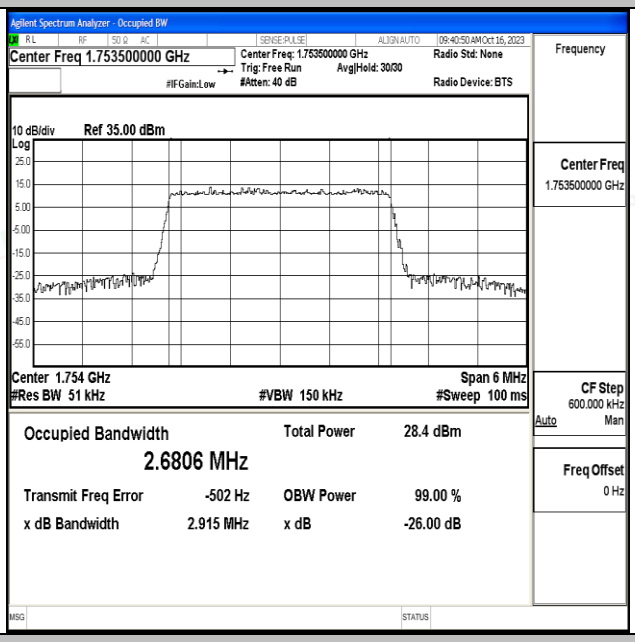
Band4-3MHz-QPSK-20175-15RB#0-PASS



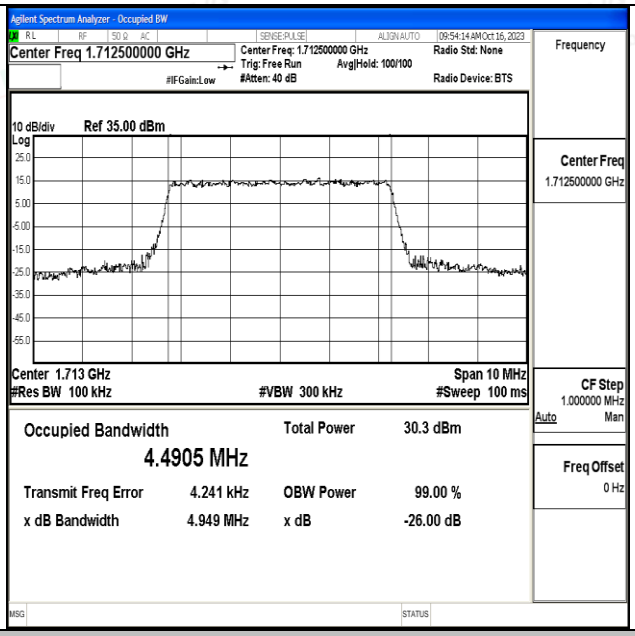
Band4-3MHz-16QAM-20175-15RB#0-PASS



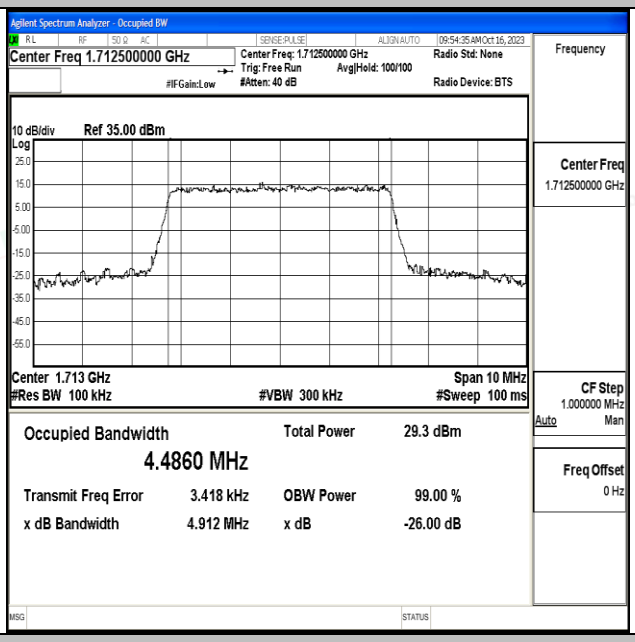
Band4-3MHz-QPSK-20385-15RB#0-PASS



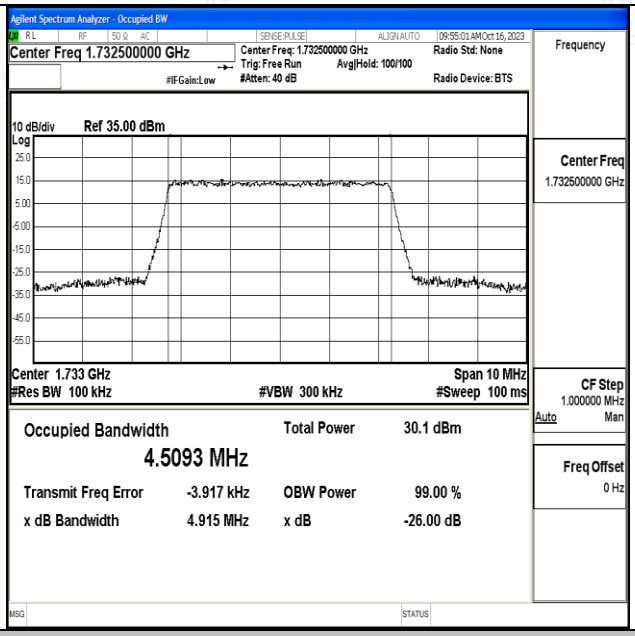
Band4-3MHz-16QAM-20385-15RB#0-PASS



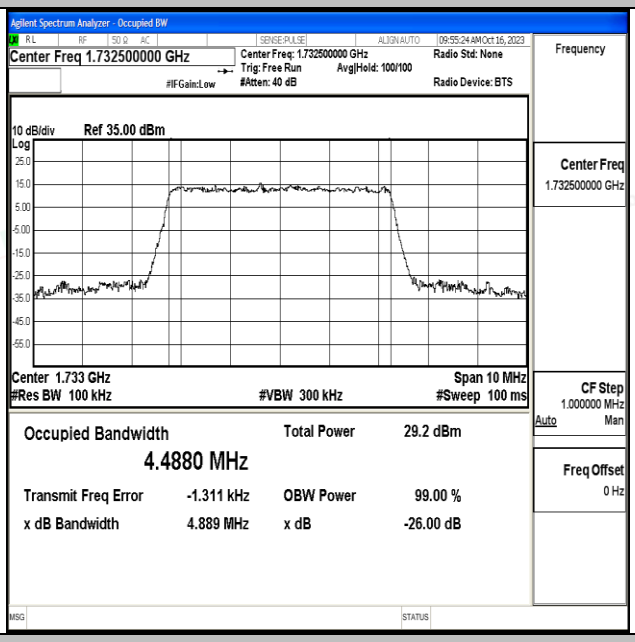
Band4-5MHz-QPSK-19975-25RB#0-PASS



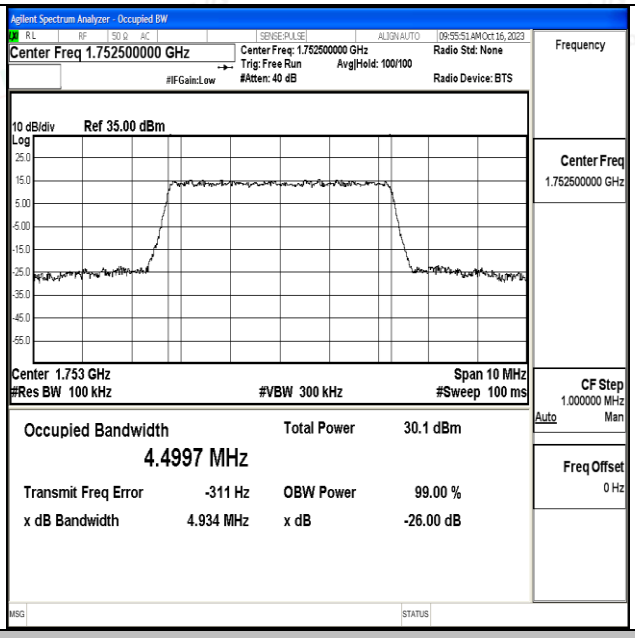
Band4-5MHz-16QAM-19975-25RB#0-PASS



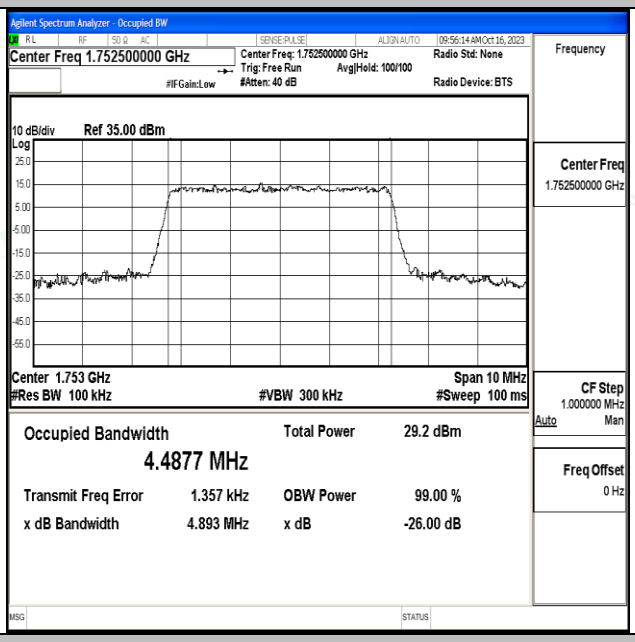
Band4-5MHz-QPSK-20175-25RB#0-PASS



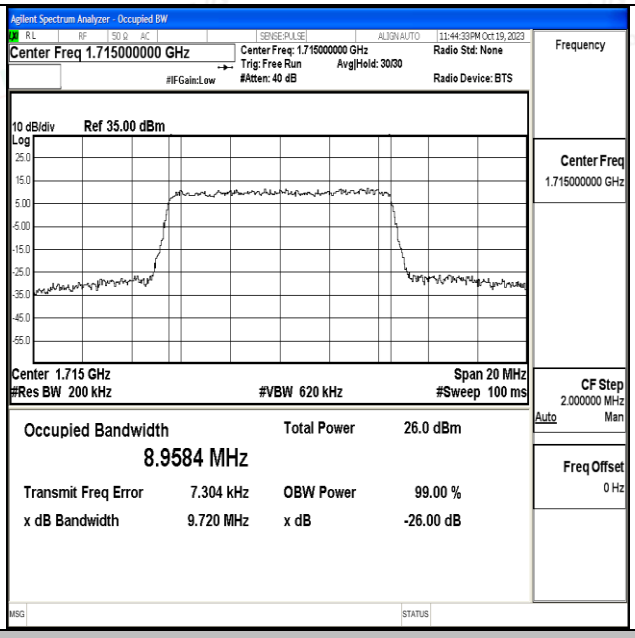
Band4-5MHz-16QAM-20175-25RB#0-PASS



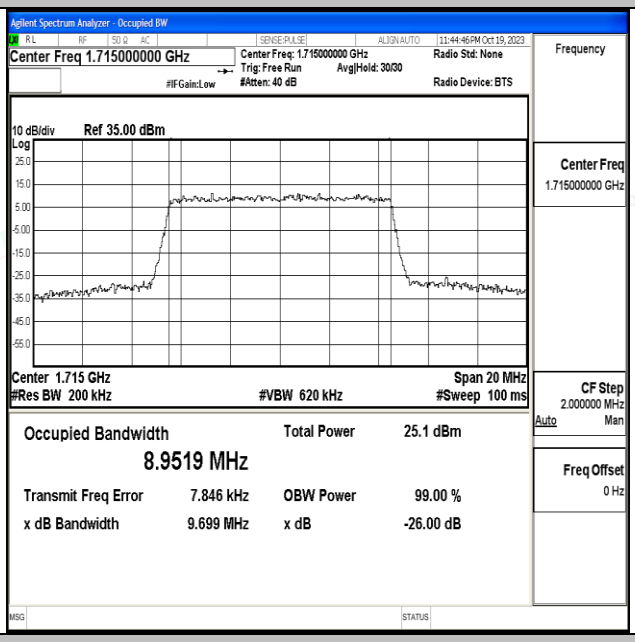
Band4-5MHz-QPSK-20375-25RB#0-PASS



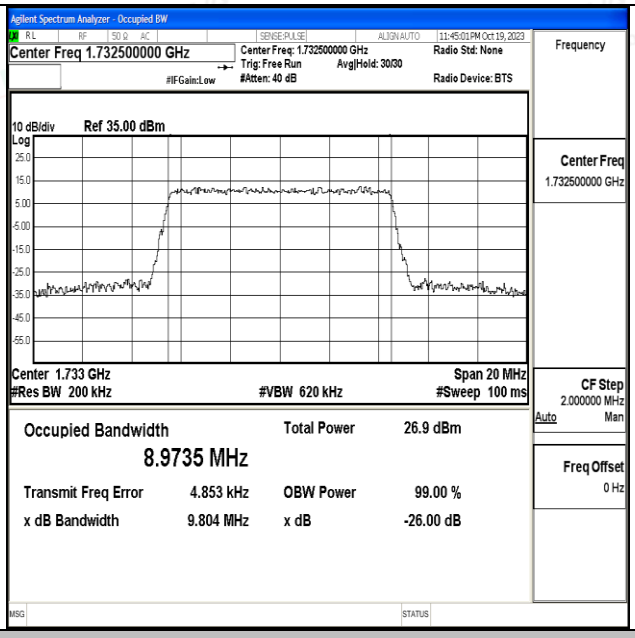
Band4-5MHz-16QAM-20375-25RB#0-PASS



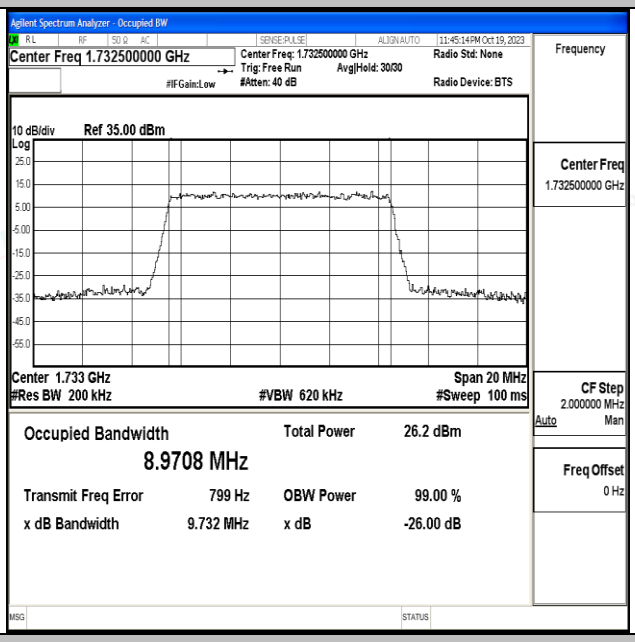
Band4-10MHz-QPSK-20000-50RB#0-PASS



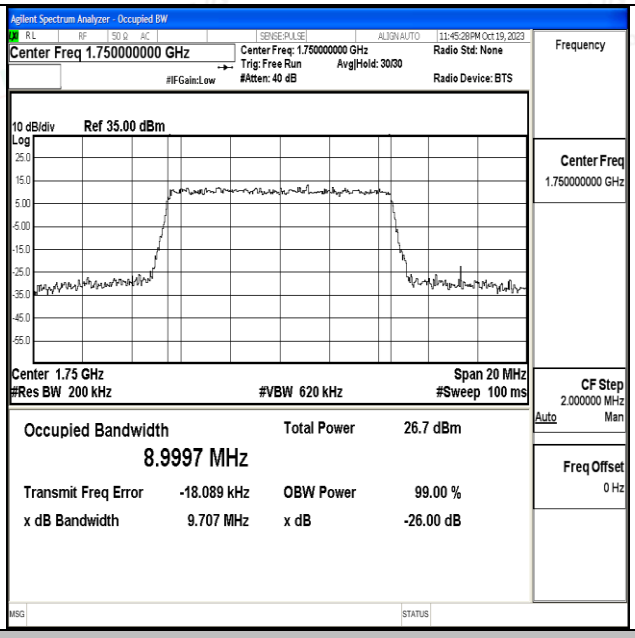
Band4-10MHz-16QAM-20000-50RB#0-PASS



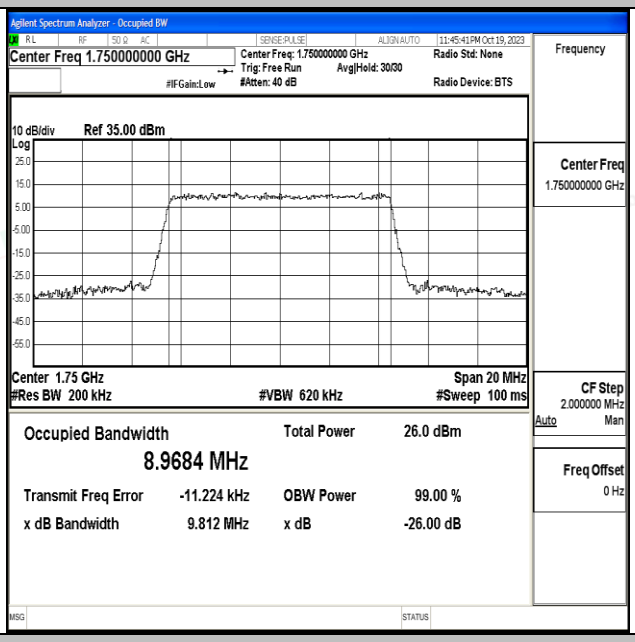
Band4-10MHz-QPSK-20175-50RB#0-PASS



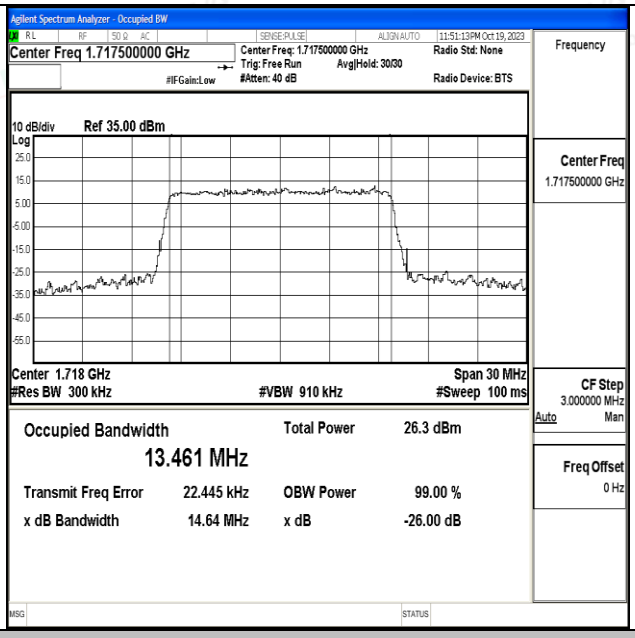
Band4-10MHz-16QAM-20175-50RB#0-PASS



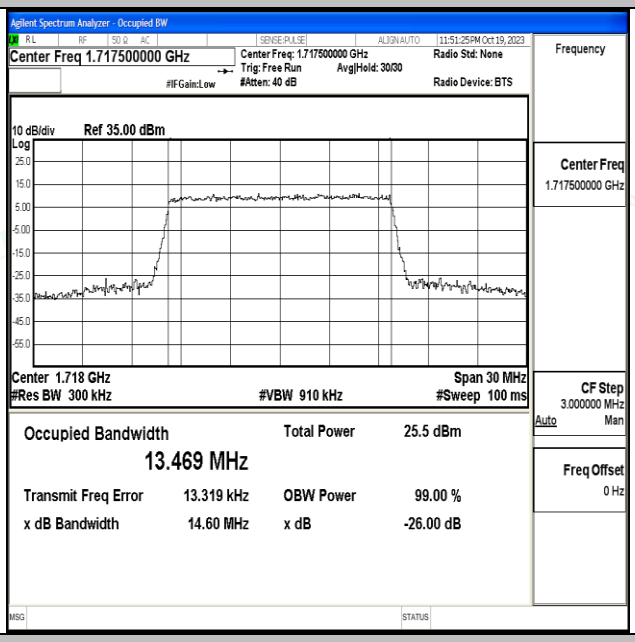
Band4-10MHz-QPSK-20350-50RB#0-PASS



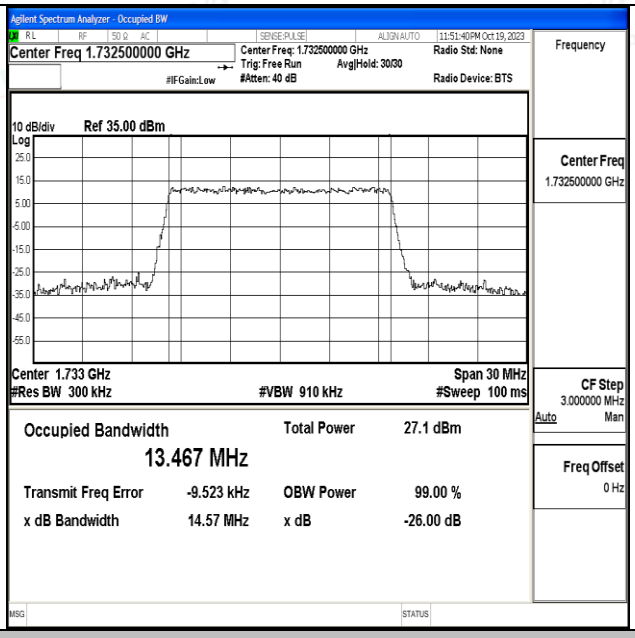
Band4-10MHz-16QAM-20350-50RB#0-PASS



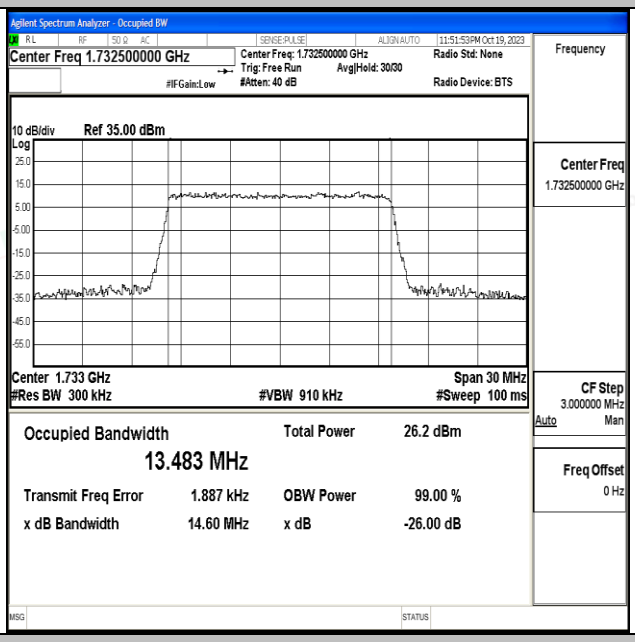
Band4-15MHz-QPSK-20025-75RB#0-PASS



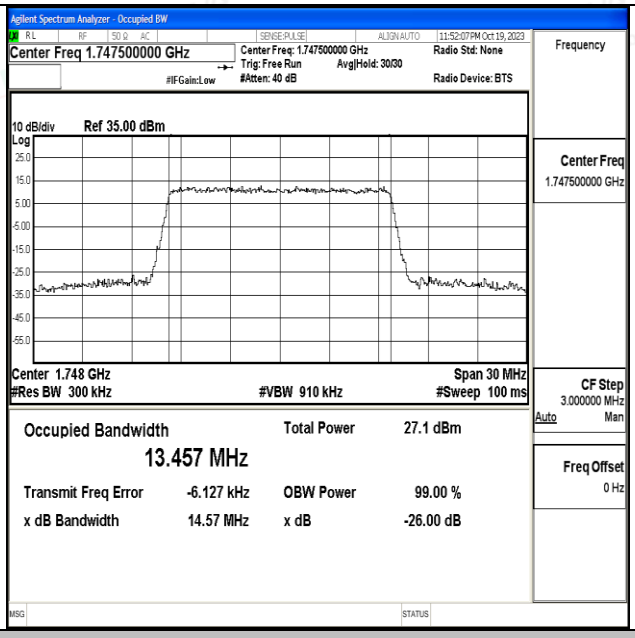
Band4-15MHz-16QAM-20025-75RB#0-PASS



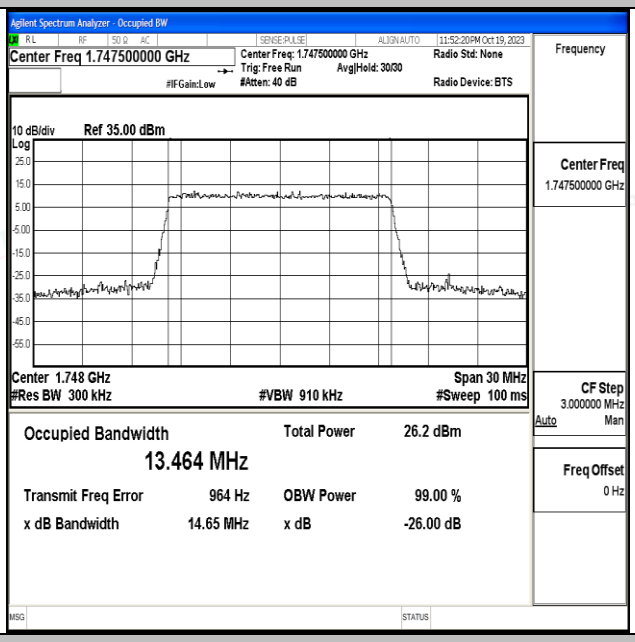
Band4-15MHz-QPSK-20175-75RB#0-PASS



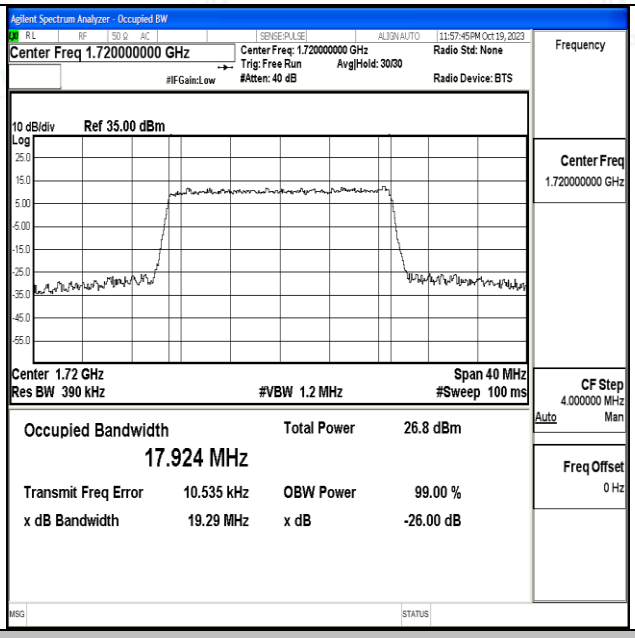
Band4-15MHz-16QAM-20175-75RB#0-PASS



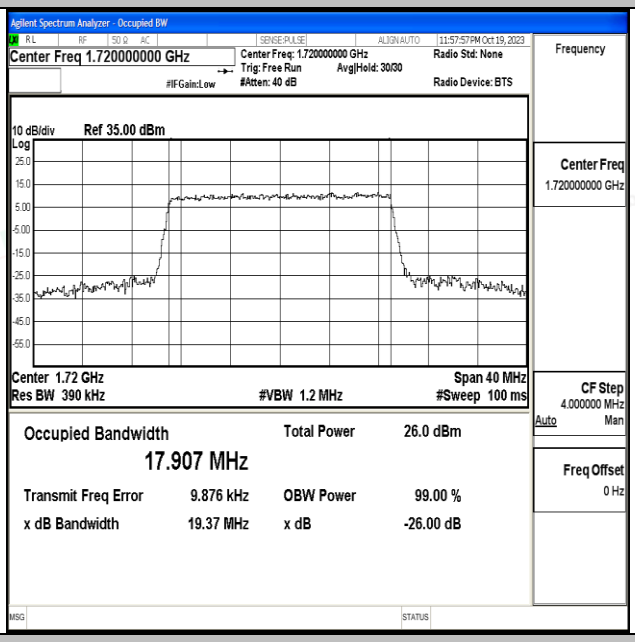
Band4-15MHz-QPSK-20325-75RB#0-PASS



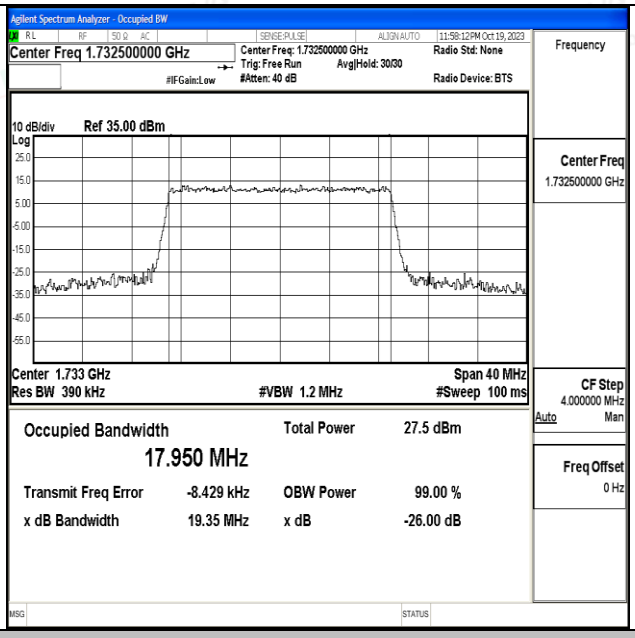
Band4-15MHz-16QAM-20325-75RB#0-PASS



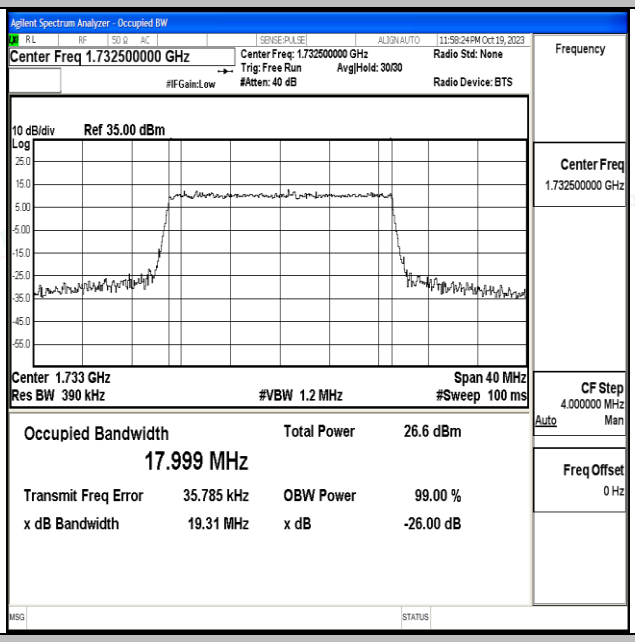
Band4-20MHz-QPSK-20050-100RB#0-PASS



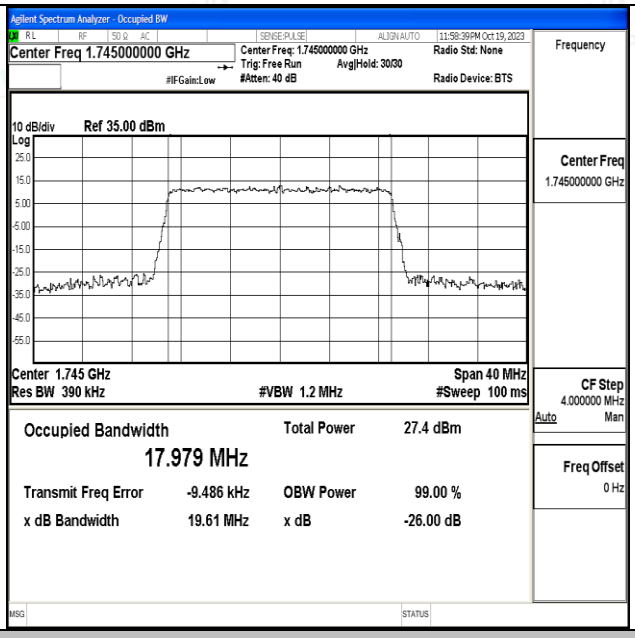
Band4-20MHz-16QAM-20050-100RB#0-PASS



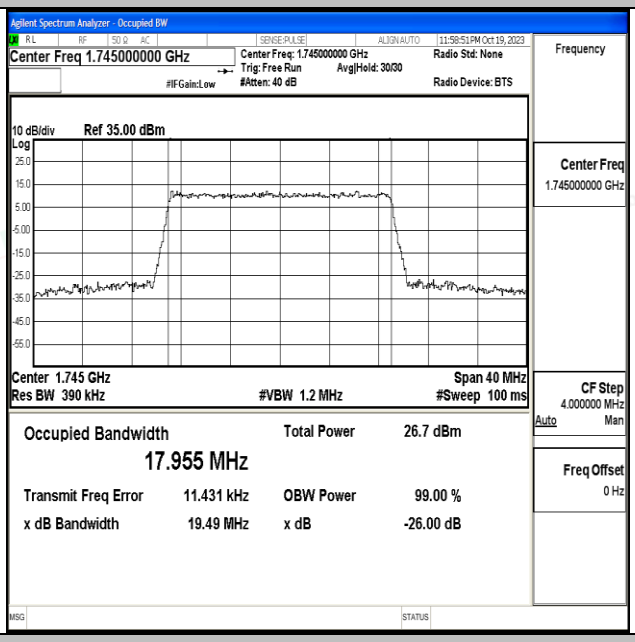
Band4-20MHz-QPSK-20175-100RB#0-PASS



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



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



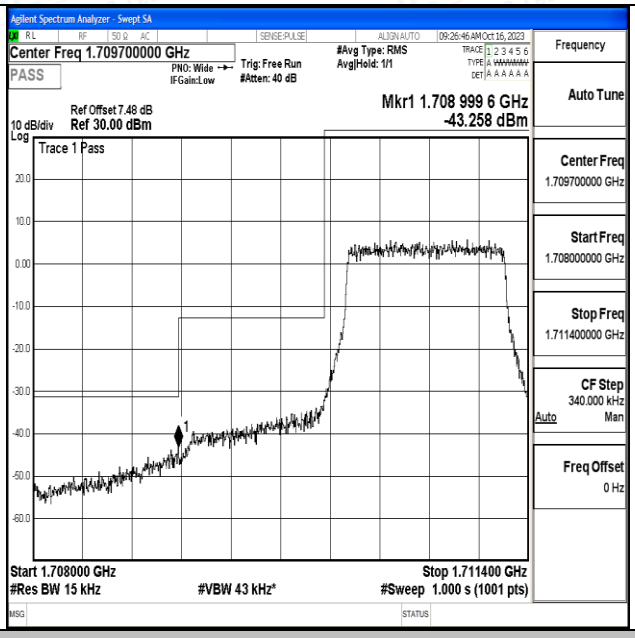
Band4-20MHz-16QAM-20300-100RB#0-PASS

G.4 Band Edge

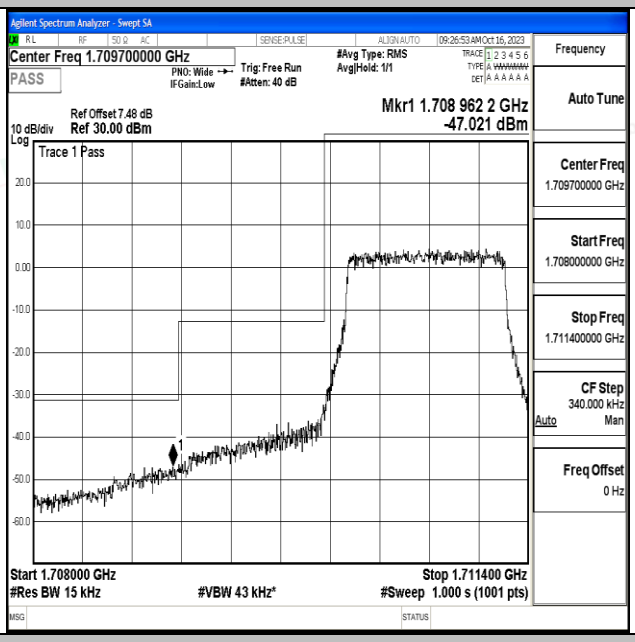
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.00	-43.26	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1708.96	-47.02	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1756.03	-44.97	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1756.04	-47.57	PASS
Band4	3MHz	QPSK	19965	15RB#0	1708.90	-38.13	PASS
Band4	3MHz	16QAM	19965	15RB#0	1708.95	-40.60	PASS
Band4	3MHz	QPSK	20385	15RB#0	1756.00	-40.84	PASS
Band4	3MHz	16QAM	20385	15RB#0	1756.05	-42.28	PASS
Band4	5MHz	QPSK	19975	25RB#0	1708.99	-37.89	PASS
Band4	5MHz	16QAM	19975	25RB#0	1708.93	-39.99	PASS
Band4	5MHz	QPSK	20375	25RB#0	1756.03	-40.03	PASS
Band4	5MHz	16QAM	20375	25RB#0	1756.45	-41.36	PASS
Band4	15MHz	16QAM	20325	75RB#0	1756.17	-44.91	PASS
Band4	20MHz	QPSK	20050	100RB#0	1708.00	-44.46	PASS
Band4	20MHz	16QAM	20050	100RB#0	1708.73	-45.24	PASS
Band4	20MHz	QPSK	20300	100RB#0	1756.05	-43.42	PASS
Band4	20MHz	16QAM	20300	100RB#0	1756.43	-44.57	PASS
Band4	10MHz	QPSK	20000	50RB#0	1708.88	-43.70	PASS
Band4	10MHz	16QAM	20000	50RB#0	1708.35	-45.40	PASS
Band4	10MHz	QPSK	20350	50RB#0	1756.38	-44.17	PASS
Band4	10MHz	16QAM	20350	50RB#0	1756.11	-45.25	PASS
Band4	15MHz	QPSK	20025	75RB#0	1708.78	-42.37	PASS
Band4	15MHz	16QAM	20025	75RB#0	1708.68	-45.09	PASS
Band4	15MHz	QPSK	20325	75RB#0	1756.78	-42.85	PASS

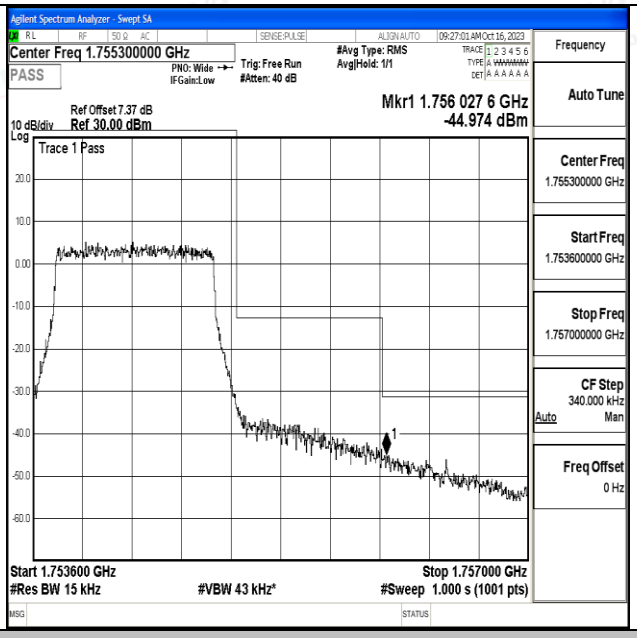
Test Graphs



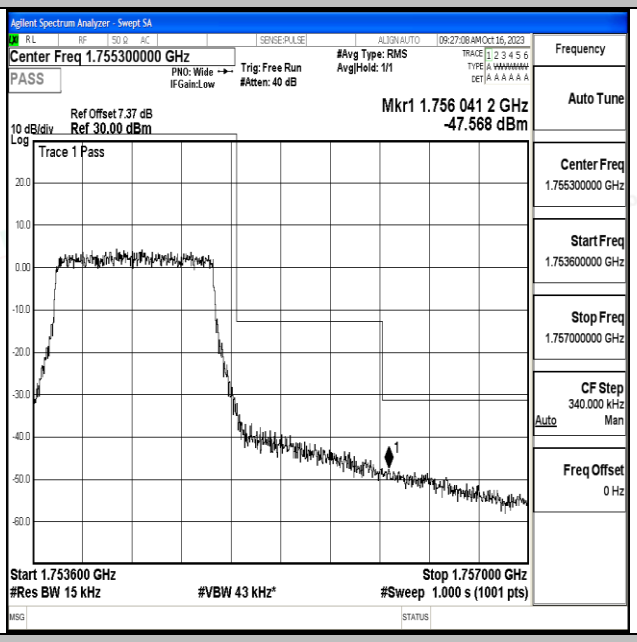
Band4_1.4MHz_QPSK_19957_6RB#0



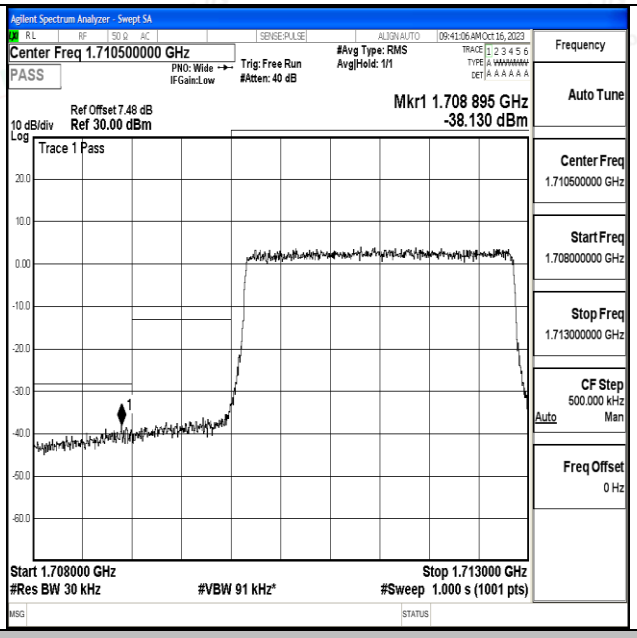
Band4_1.4MHz_16QAM_19957_6RB#0



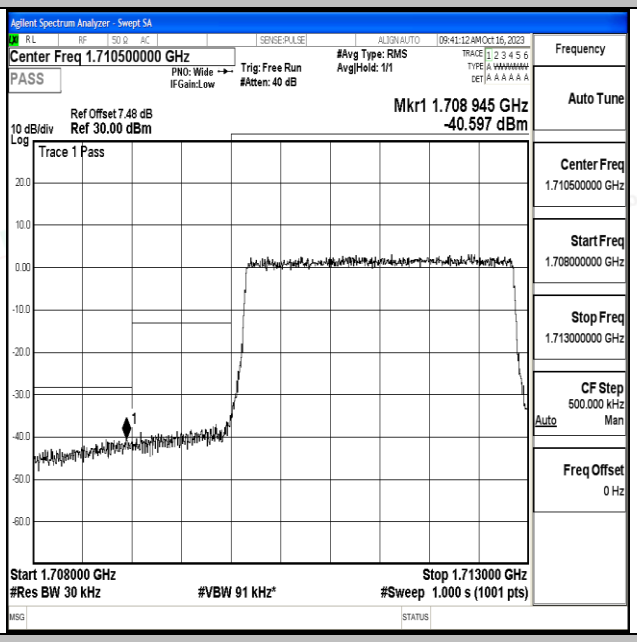
Band4_1.4MHz_QPSK_20393_6RB#0



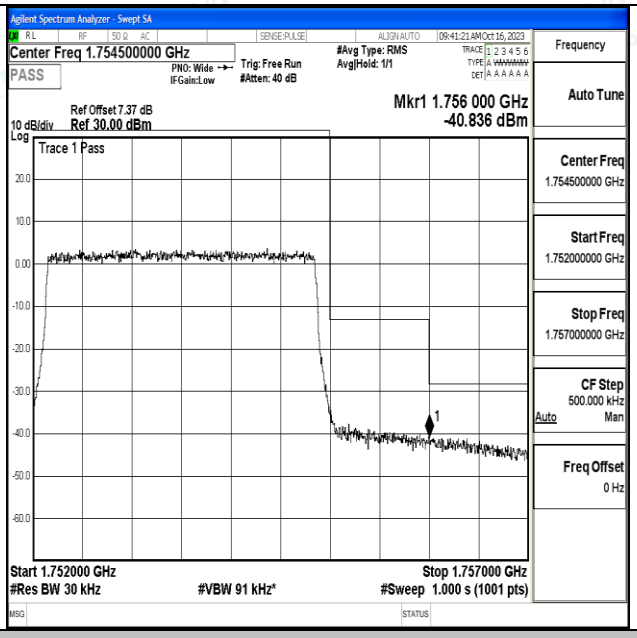
Band4_1.4MHz_16QAM_20393_6RB#0



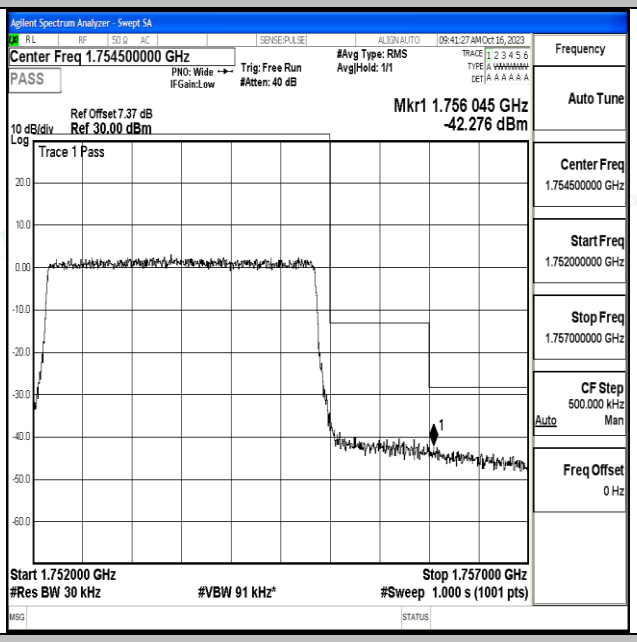
Band4_3MHz_QPSK_19965_15RB#0



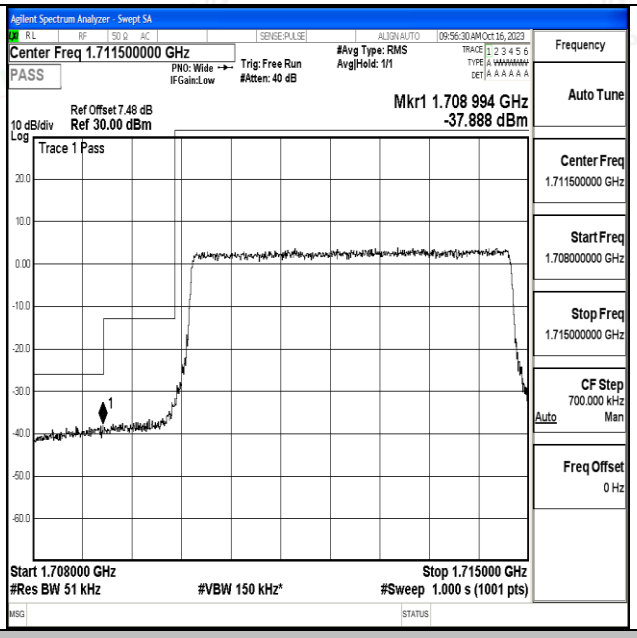
Band4_3MHz_16QAM_19965_15RB#0



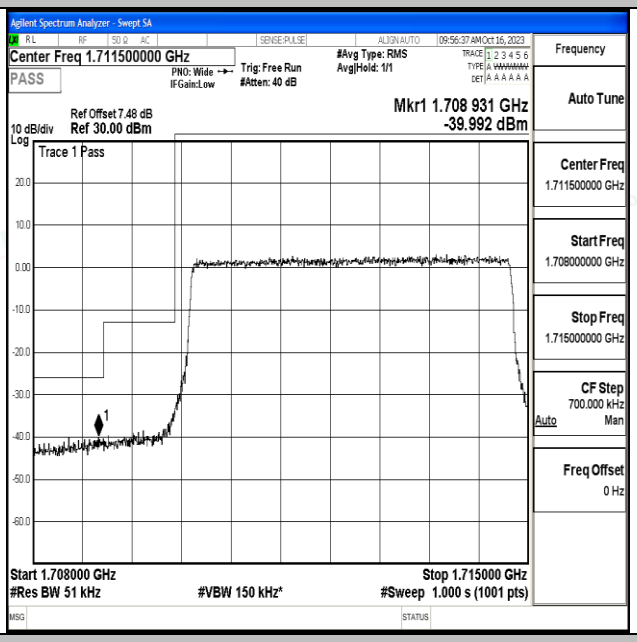
Band4_3MHz_QPSK_20385_15RB#0



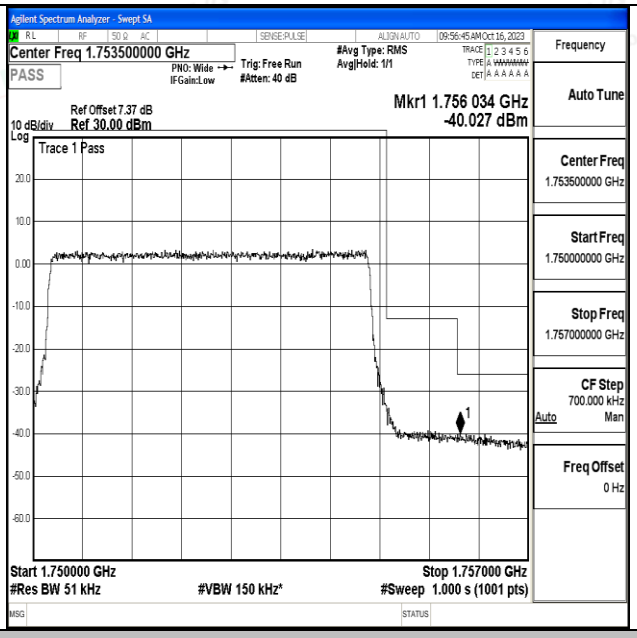
Band4_3MHz_16QAM_20385_15RB#0



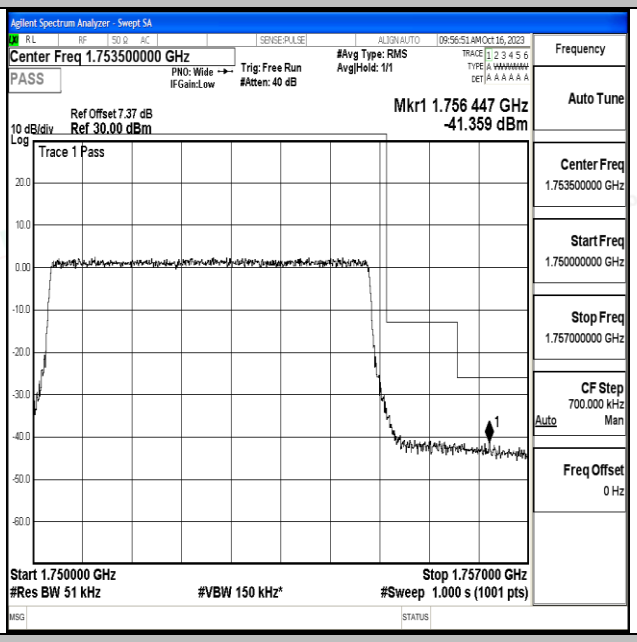
Band4_5MHz_QPSK_19975_25RB#0



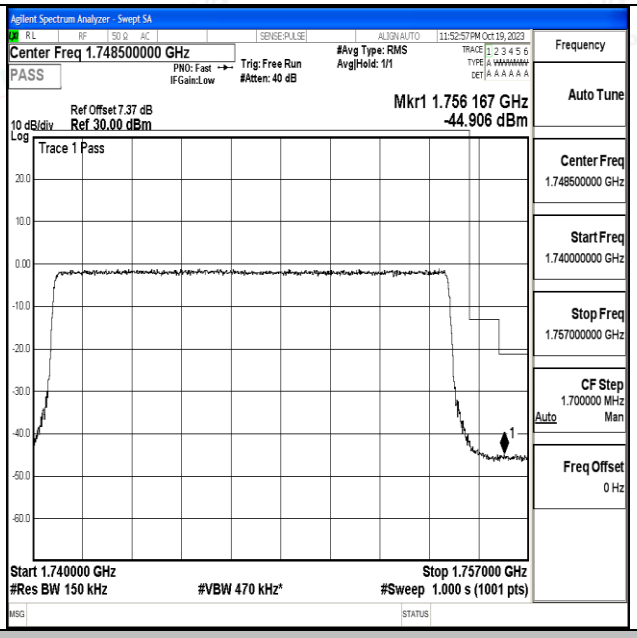
Band4_5MHz_16QAM_19975_25RB#0



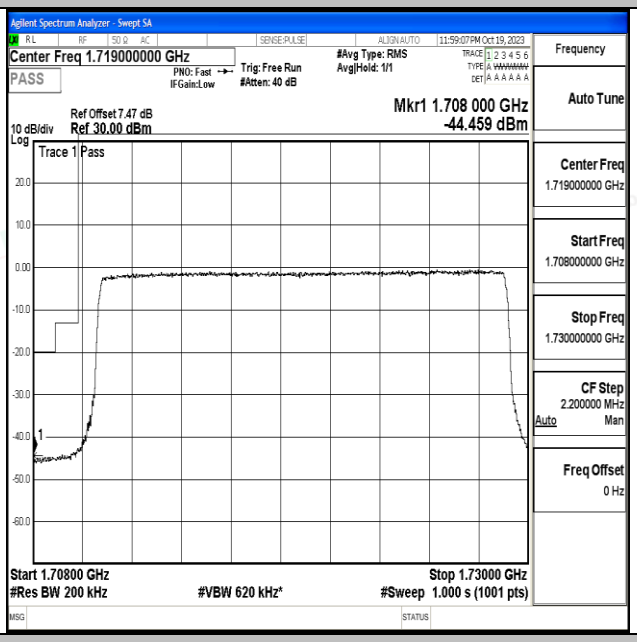
Band4_5MHz_QPSK_20375_25RB#0



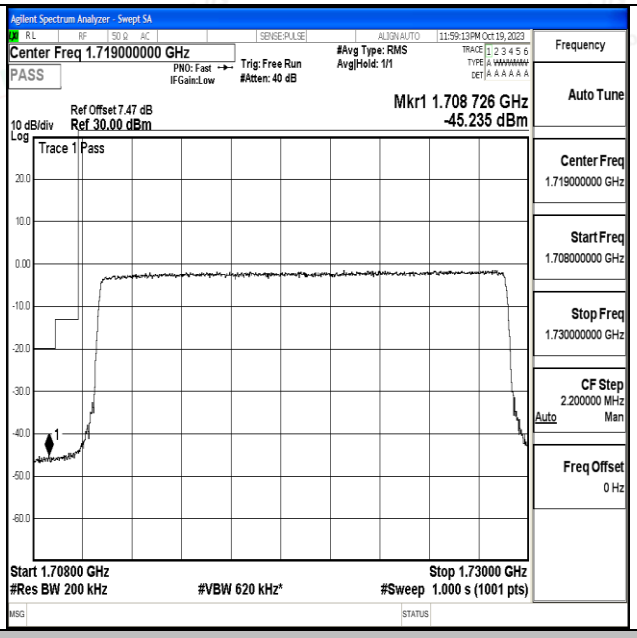
Band4_5MHz_16QAM_20375_25RB#0



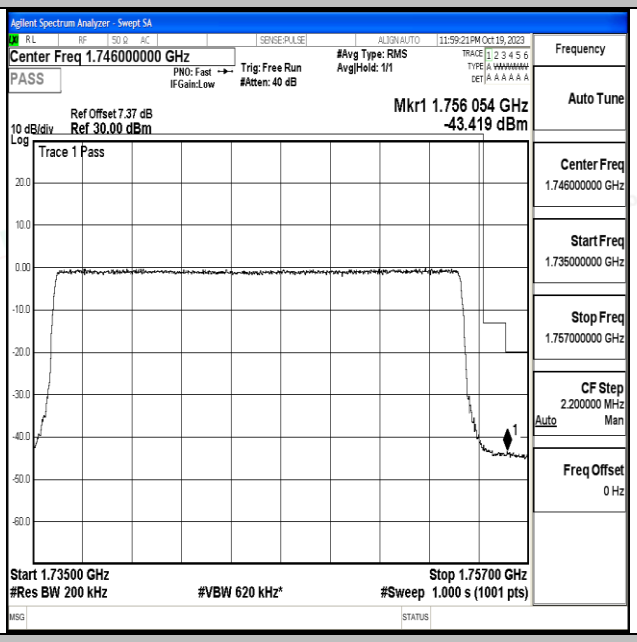
Band4_15MHz_16QAM_20325_75RB#0



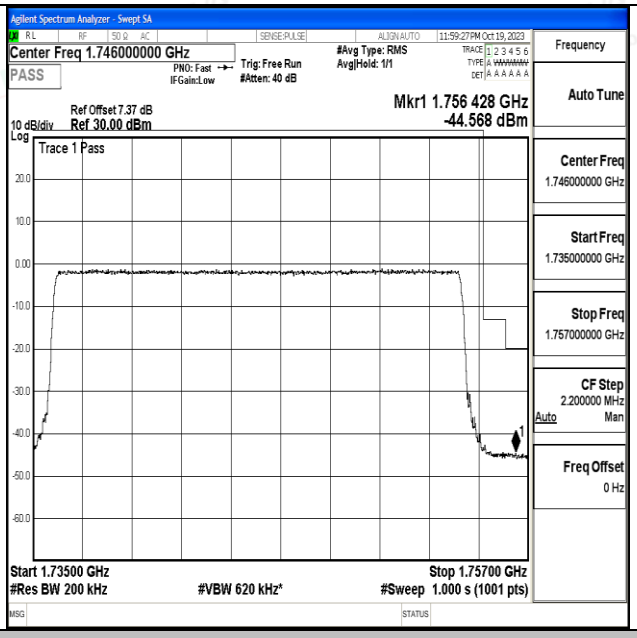
Band4_20MHz_QPSK_20050_100RB#0



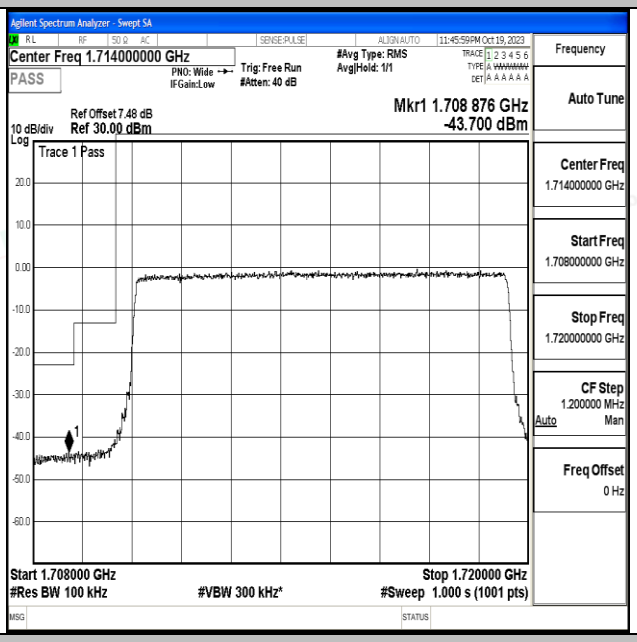
Band4_20MHz_16QAM_20050_100RB#0



Band4_20MHz_QPSK_20300_100RB#0



Band4_20MHz_16QAM_20300_100RB#0



Band4_10MHz_QPSK_20000_50RB#0