Appendix E: Test Data for E-UTRA Band 4

Product Name: Smartphone

Test Model: NET HIT

Environmental Conditions

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

E.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.09	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.85	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.92	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.85	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.16	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.95	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.26	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.90	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.16	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.85	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.19	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.46	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.20	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.81	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.13	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.81	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.18	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.86	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.20	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.94	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.11	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.97	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.11	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.93	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.12	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.14	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.90	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.20	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.93	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.12	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.93	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.15	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.47	PASS

Band4	1.4MHz	QPSK	20393	3RB#1	23.16	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.47	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.12	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.53	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.96	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.55	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.01	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.01	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.01	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.98	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.01	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.13	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.26	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.13	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.33	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.16	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.37	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.16	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.27	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.17	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.79	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.13	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.79	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.17	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.75	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.18	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.43	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.19	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.37	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.11	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.32	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.13	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.12	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.03	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.78	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.05	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.72	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.14	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.77	PASS

Band4	3MHz	QPSK	20385	8RB#0	22.12	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.25	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.12	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.25	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.11	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.49	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.12	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.21	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.11	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.61	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.09	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.67	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.07	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.60	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.20	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.21	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.20	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.20	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.18	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.21	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.11	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.32	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.06	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.38	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.07	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.38	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.09	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.39	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.23	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.33	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.21	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.24	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.19	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.26	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.23	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.10	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.08	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.53	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.05	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.54	PASS

Band4	5MHz	QPSK	20375	1RB#24	23.12	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.48	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.14	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.41	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.09	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.41	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.06	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.14	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.07	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.32	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.03	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.22	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.99	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.17	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.94	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.09	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.24	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.15	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.24	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.15	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.04	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.18	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.19	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.14	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.07	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.09	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.04	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.12	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.08	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.12	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.17	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.42	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.25	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.41	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.19	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.40	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.10	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.27	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.22	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.03	PASS

Band4	10MHz	QPSK	20350	1RB#24	23.24	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.17	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.09	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.99	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.20	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.19	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.12	PASS
Band4	10MHz	16QAM	20350	25RB#12	21.19	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.97	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.14	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.27	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.21	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.03	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.24	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.09	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.99	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.07	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.11	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.10	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.10	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.10	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.10	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.09	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.10	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.13	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.98	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.15	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.96	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.23	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.95	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.28	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.06	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.07	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.07	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.17	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.19	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.19	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.19	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.24	PASS

Band4	15MHz	QPSK	20325	1RB#0	23.20	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.08	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.19	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.16	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.04	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.02	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.13	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.17	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.15	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.15	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.15	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.20	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.20	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.24	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.24	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.97	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.17	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.92	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.22	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.84	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.21	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.28	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.21	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.28	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.98	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.22	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.08	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.18	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.19	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.43	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.27	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.47	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.31	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.48	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.24	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.24	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.09	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.25	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.15	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.26	PASS

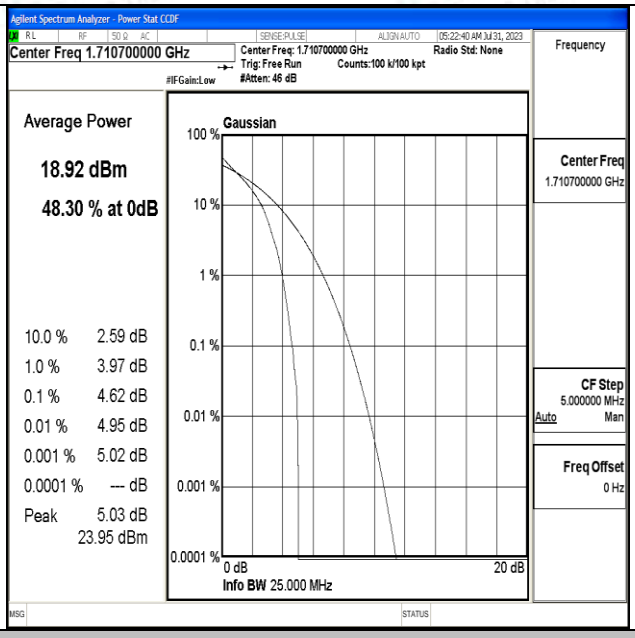
Band4	20MHz	QPSK	20175	100RB#0	22.27	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.29	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.45	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.65	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.46	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.58	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.31	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.52	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.18	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.57	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.17	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.60	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.11	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.27	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.21	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.25	PASS

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

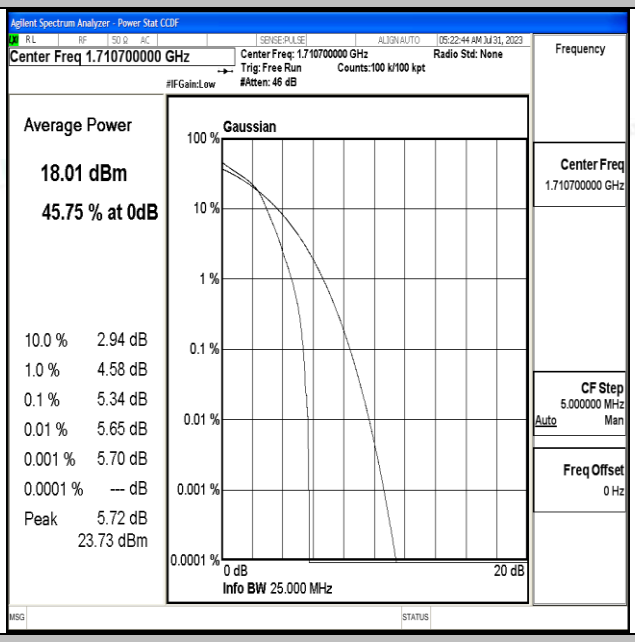
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	4.62	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.34	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.61	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.35	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.20	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.60	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.53	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.44	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.63	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.49	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.03	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.84	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.45	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.20	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.60	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.35	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.09	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.94	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.31	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.20	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.67	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.48	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.27	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.02	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.87	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.50	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.12	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.68	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.58	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.05	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	4.89	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.60	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.10	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.78	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.44	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.11	13	PASS

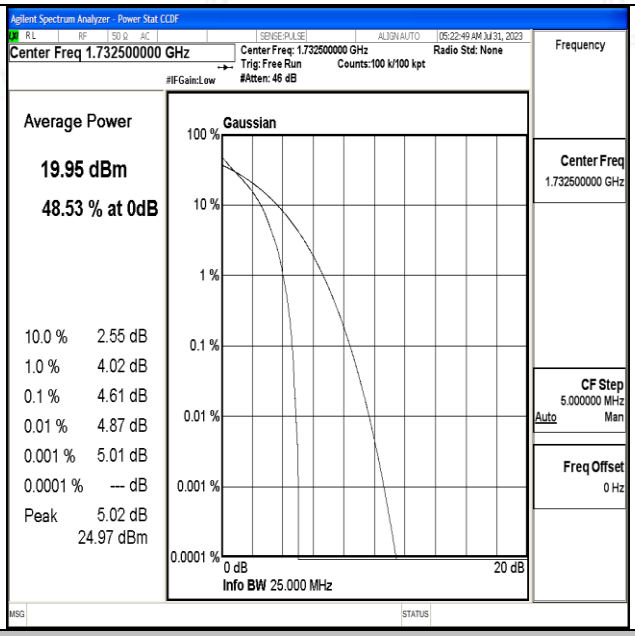
Test Graphs



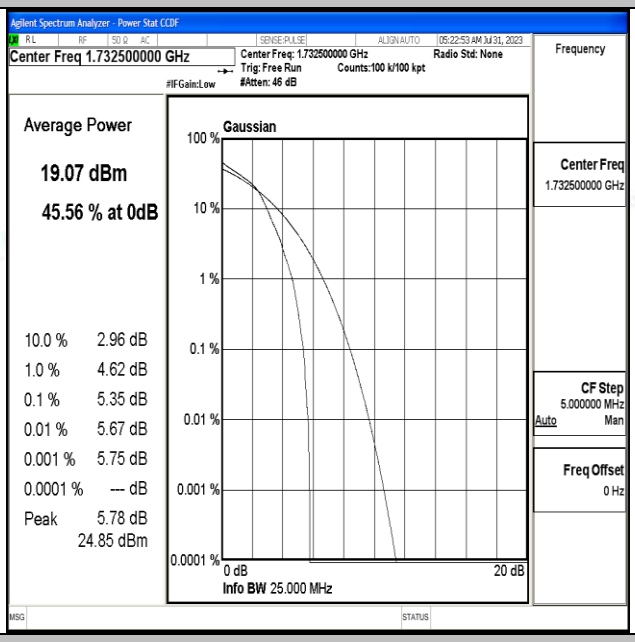
1.4MHz-19957



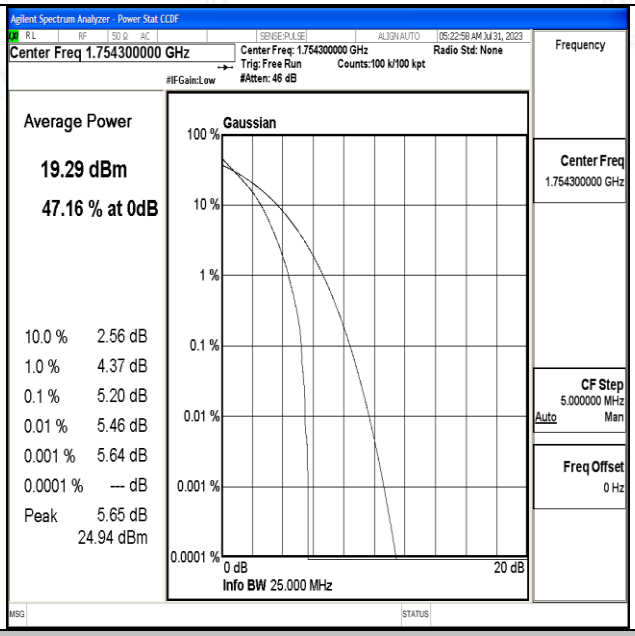
1.4MHz-19957



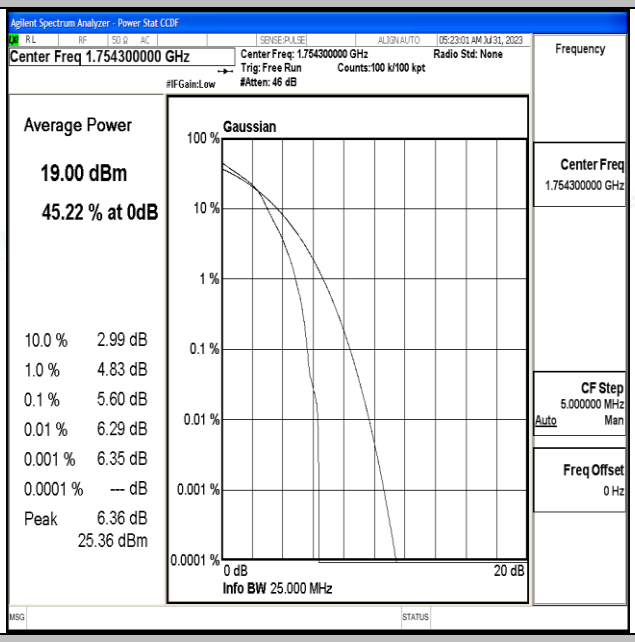
1.4MHz-20175



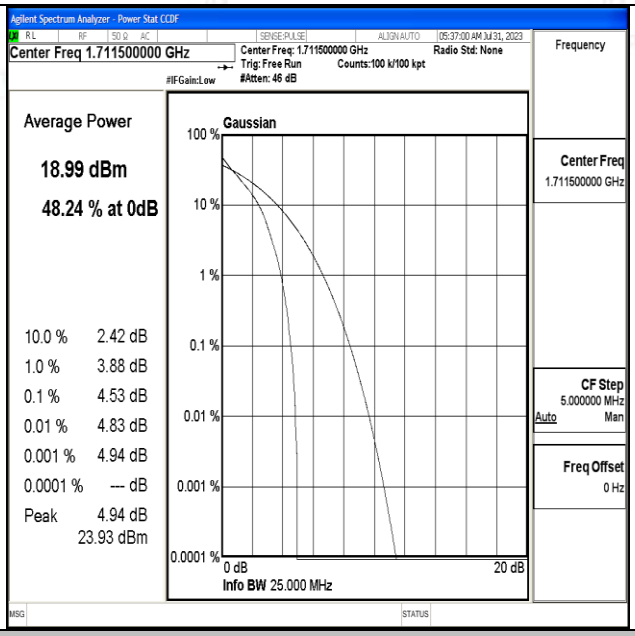
1.4MHz-20175



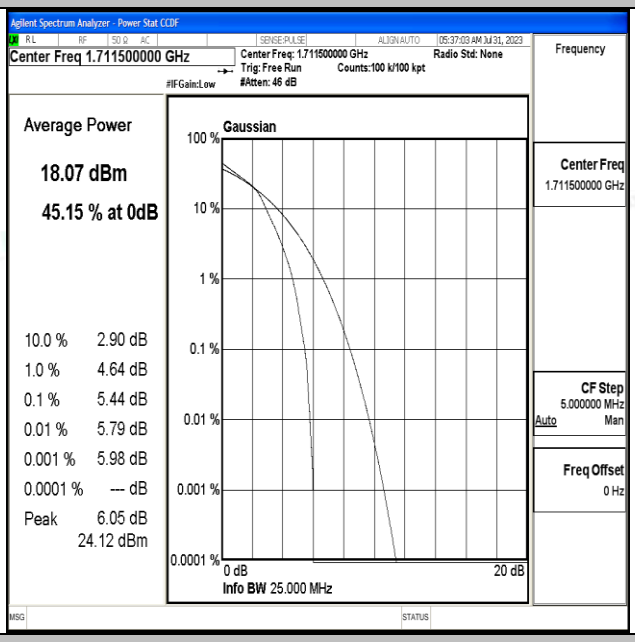
1.4MHz-20393



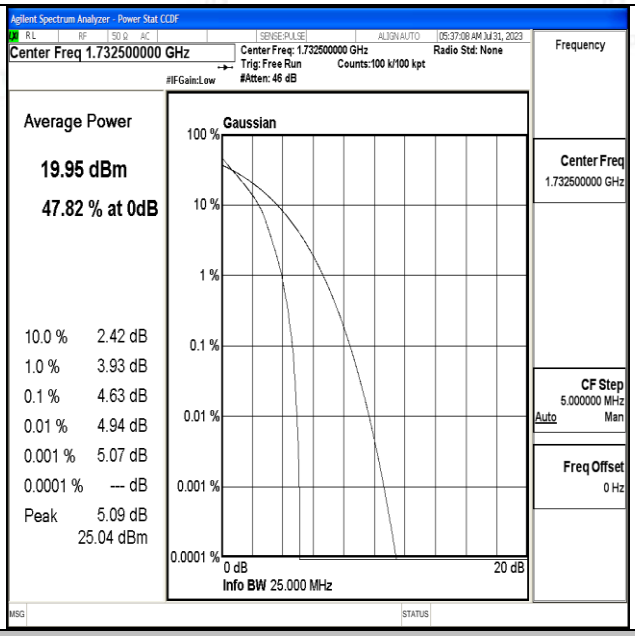
1.4MHz-20393



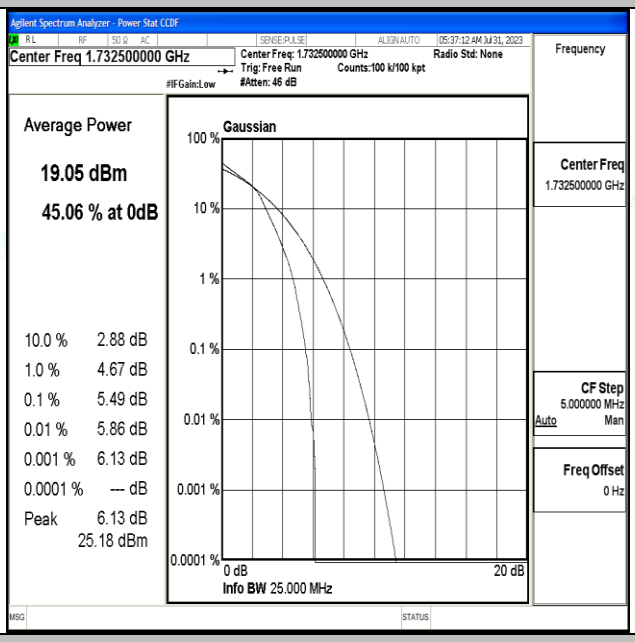
3MHz-19965



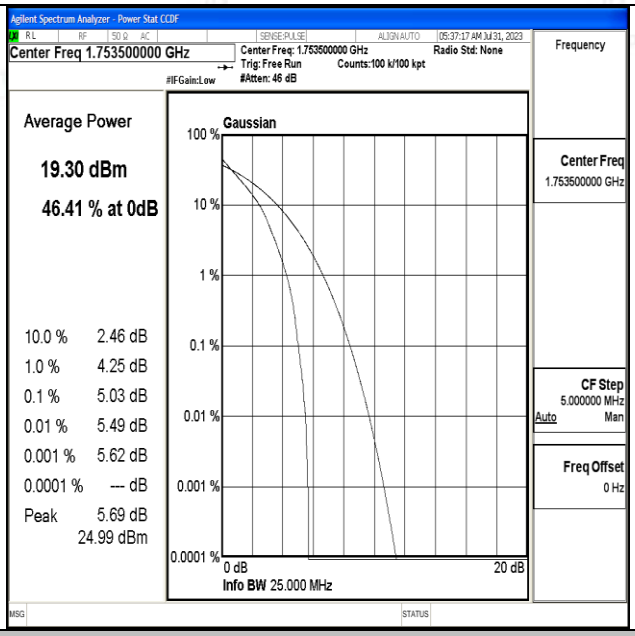
3MHz-19965



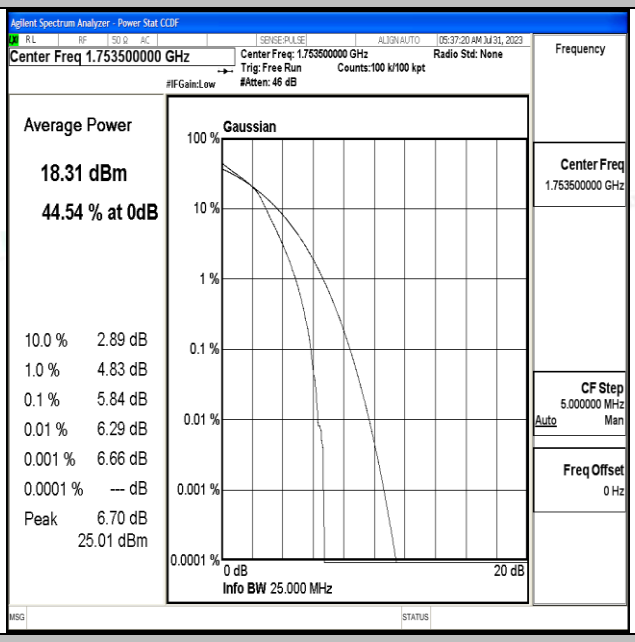
3MHz-20175



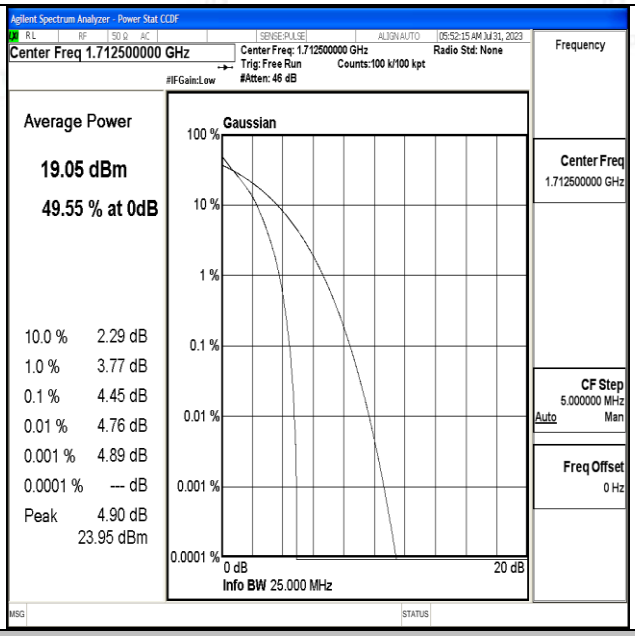
3MHz-20175



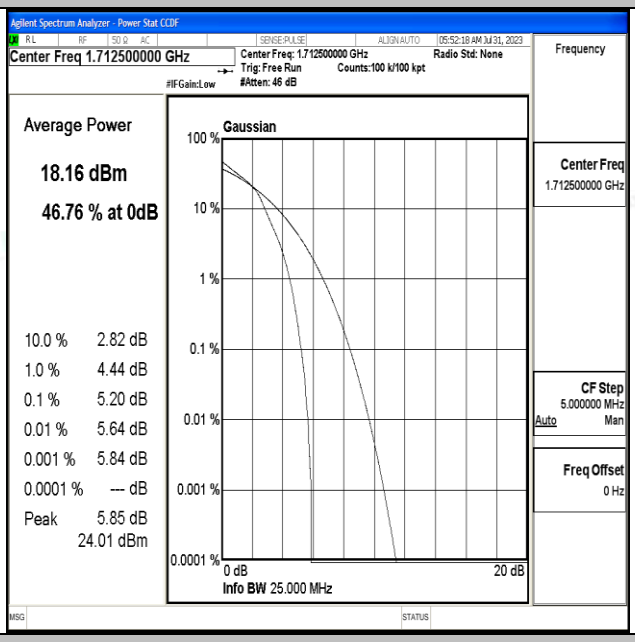
3MHz-20385



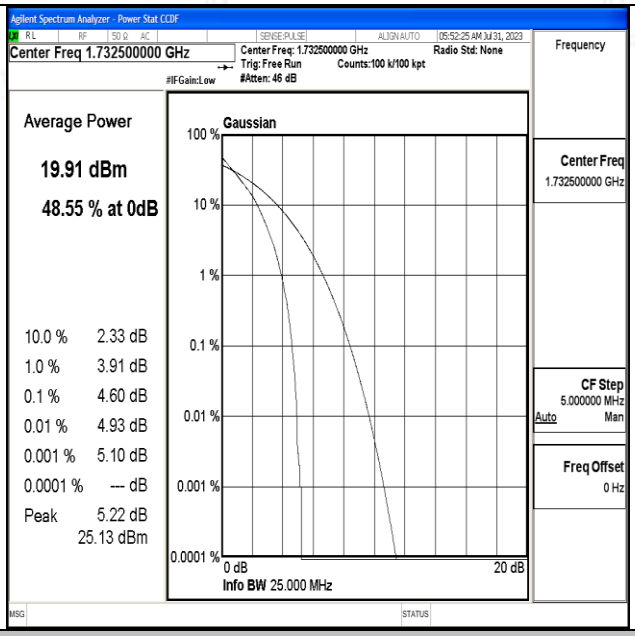
3MHz-20385



5MHz-19975



5MHz-19975



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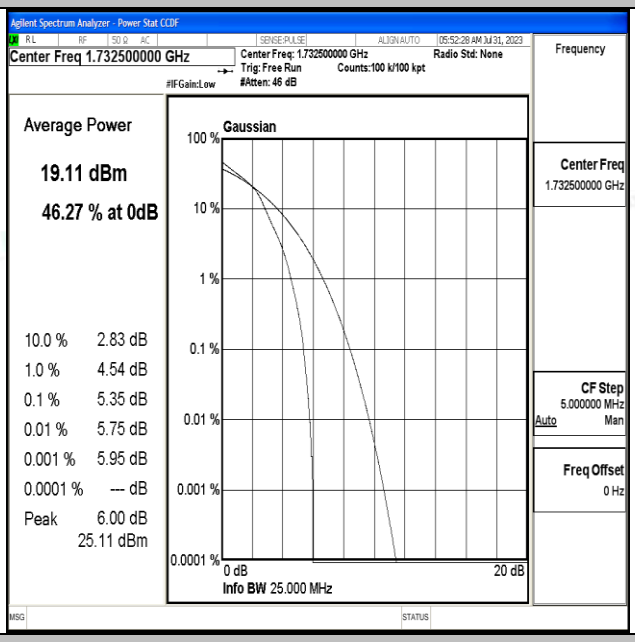
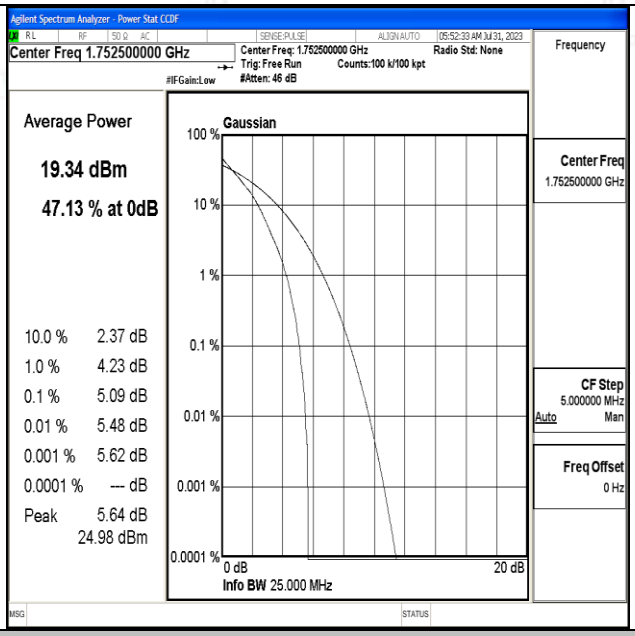
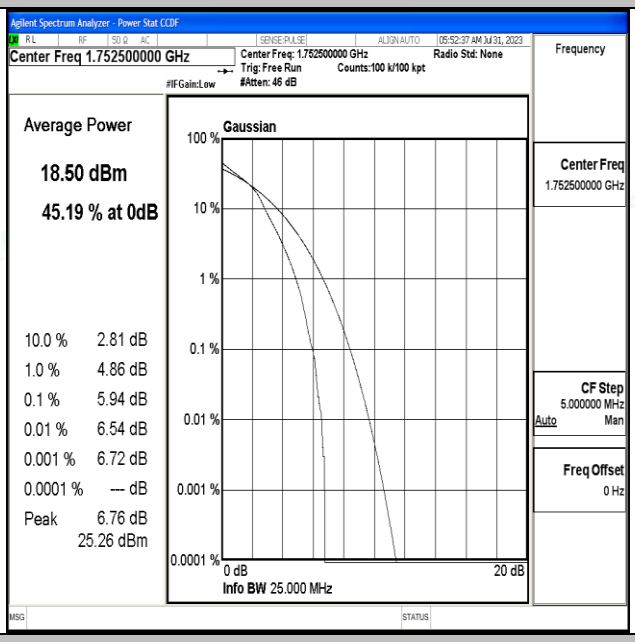


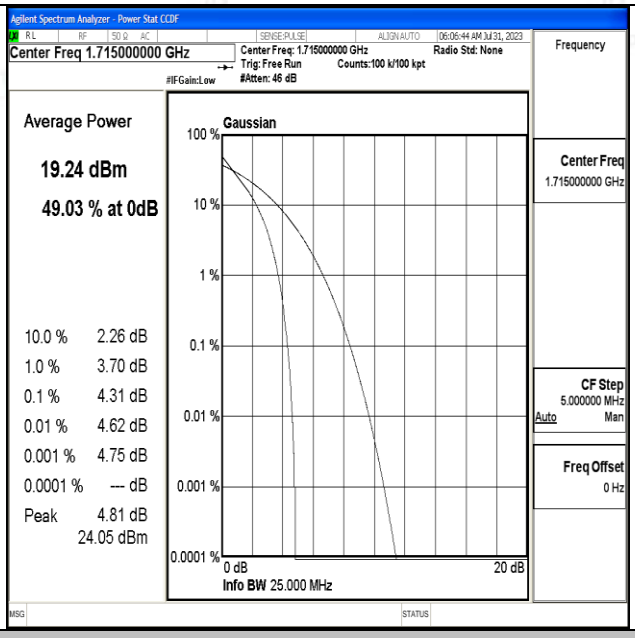
5MHz-20175



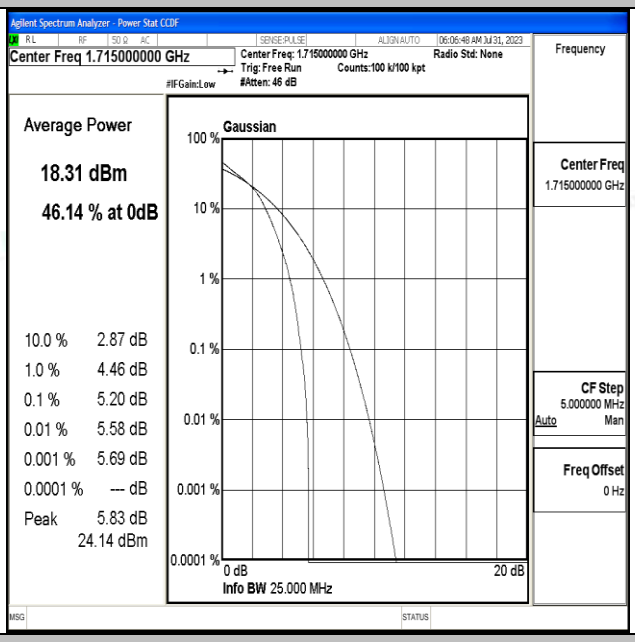
5MHz-20375



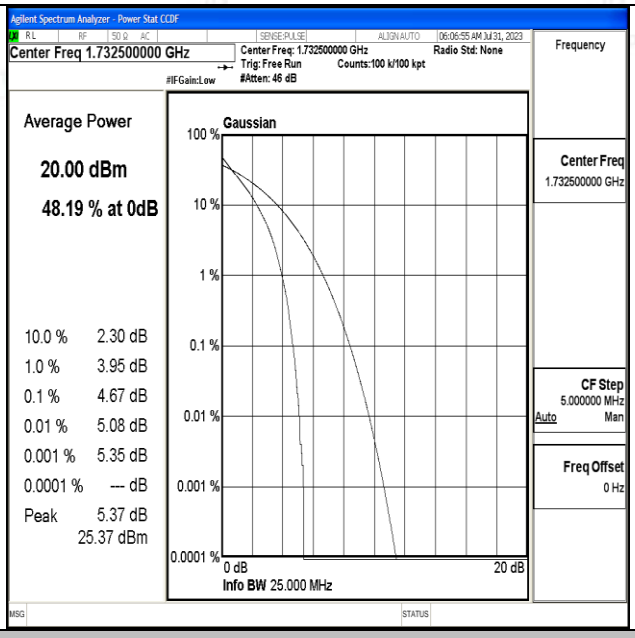
5MHz-20375



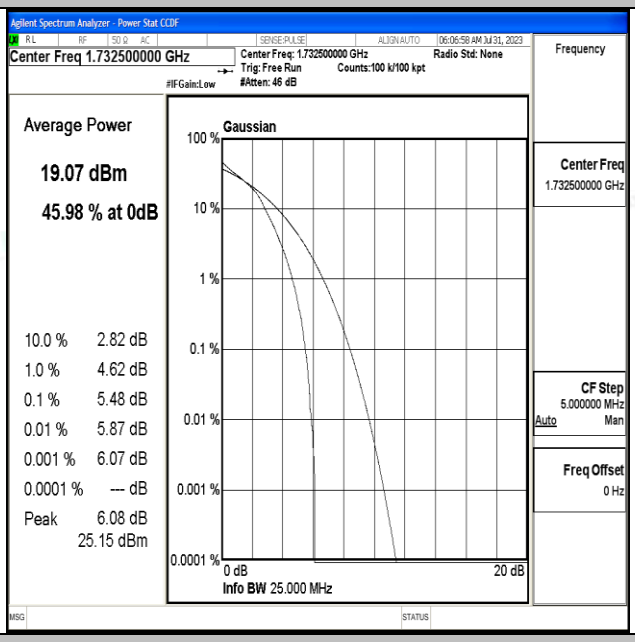
10MHz-20000



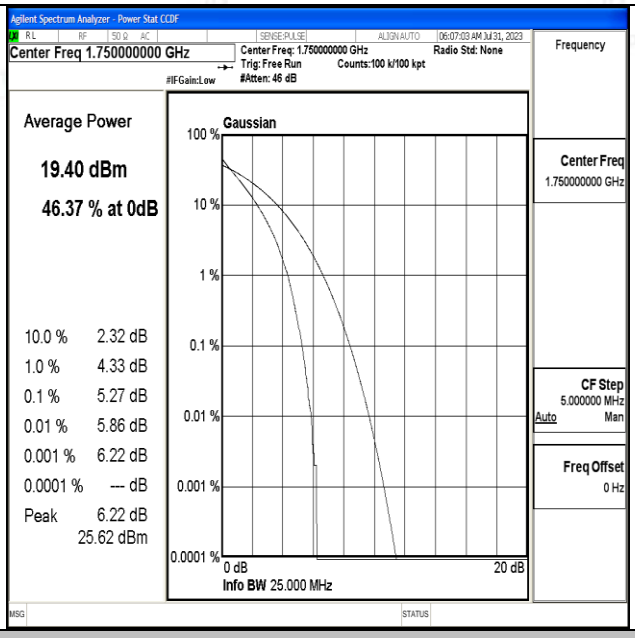
10MHz-20000



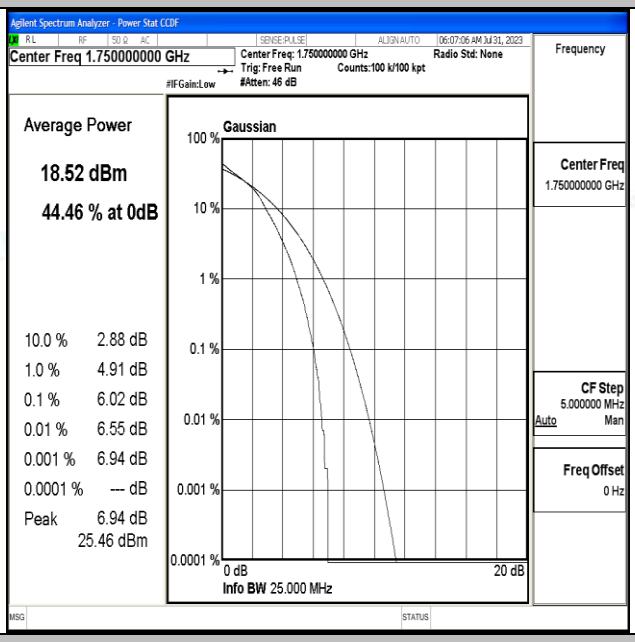
10MHz-20175



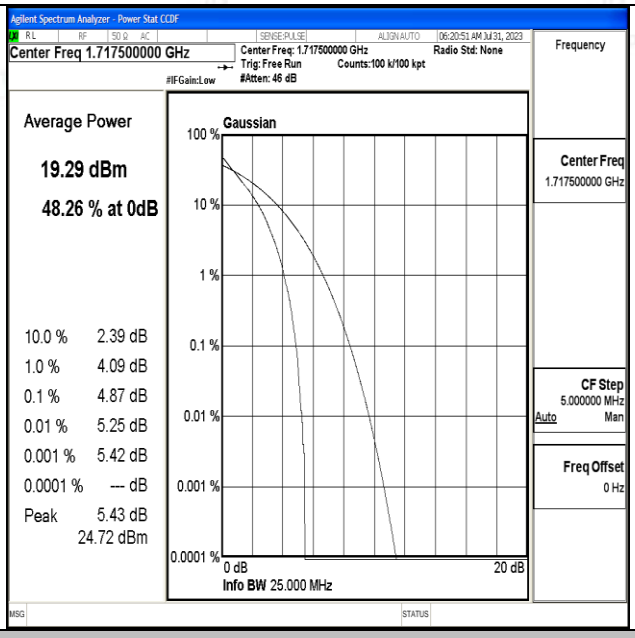
10MHz-20175



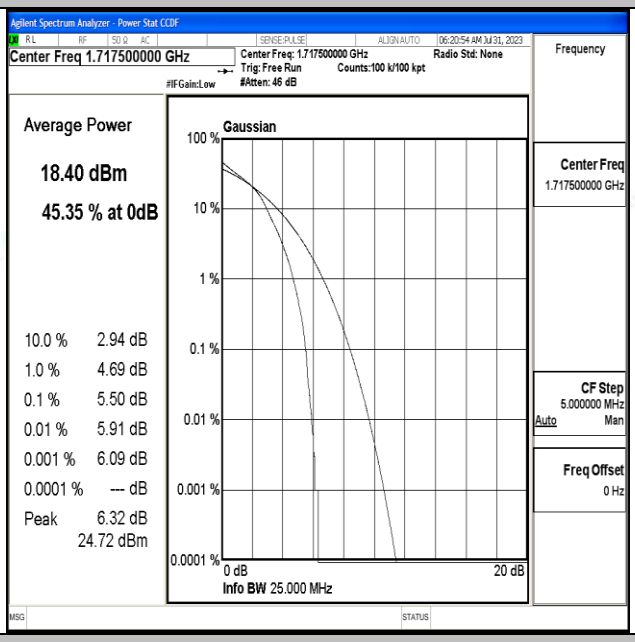
10MHz-20350



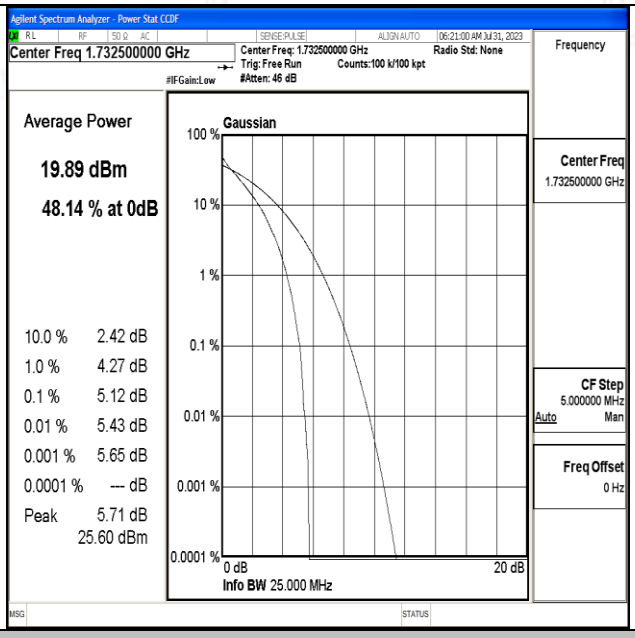
10MHz-20350



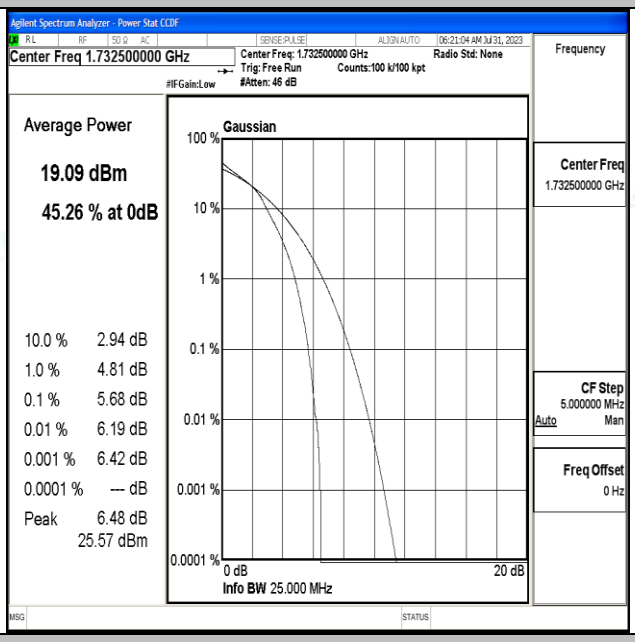
15MHz-20025



15MHz-20025



15MHz-20175



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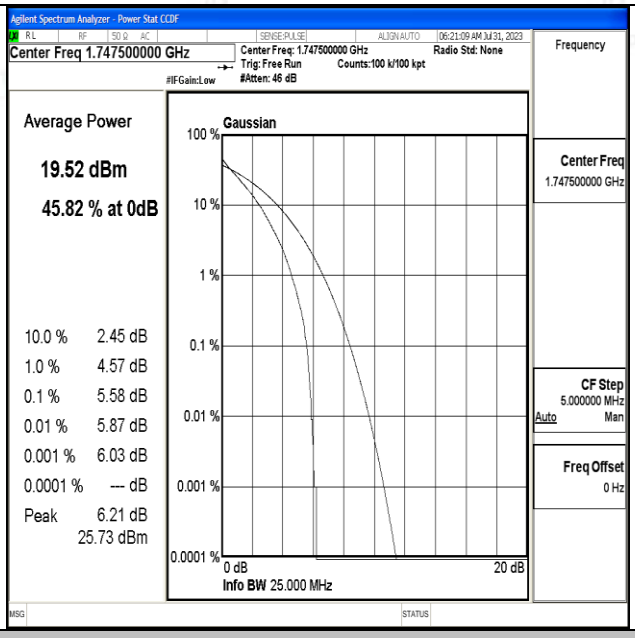

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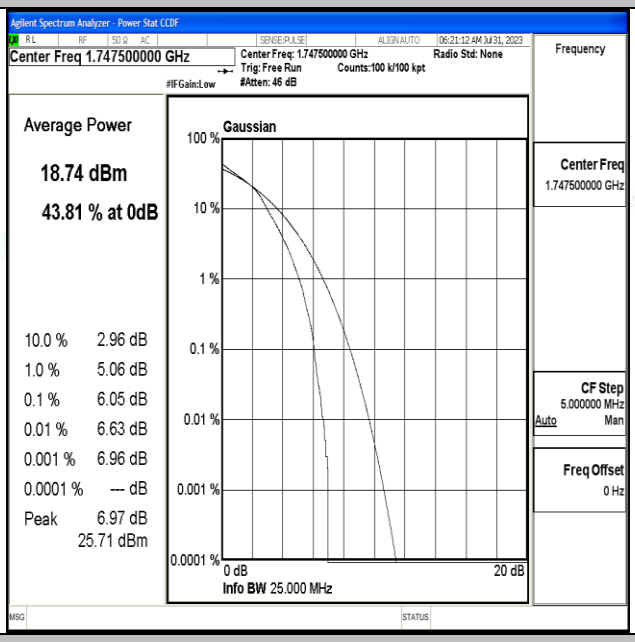
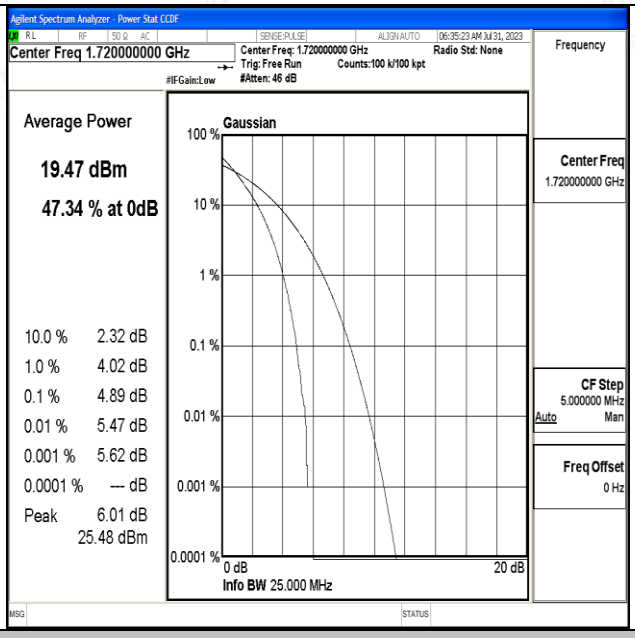
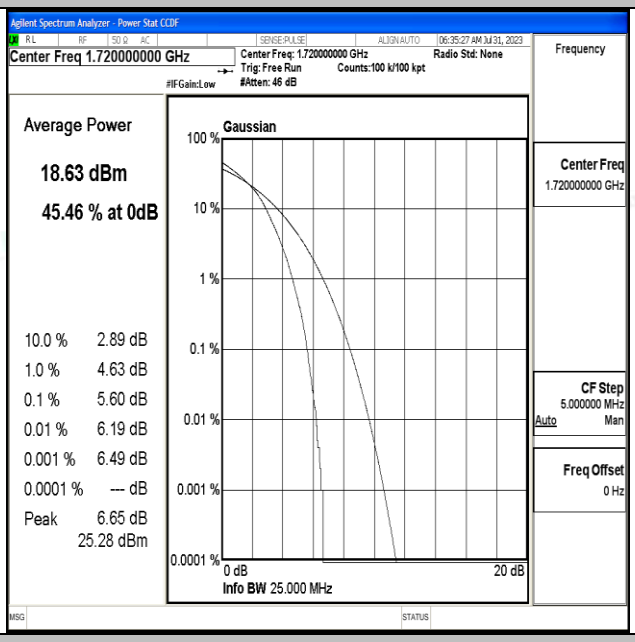


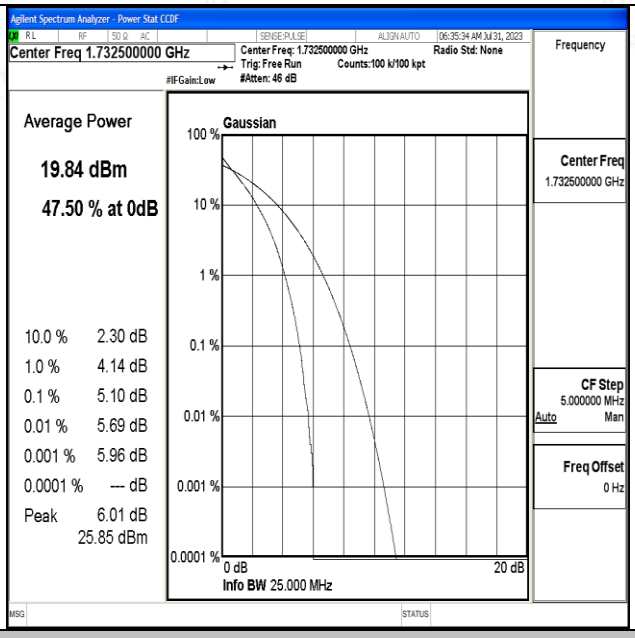
15MHz-20325



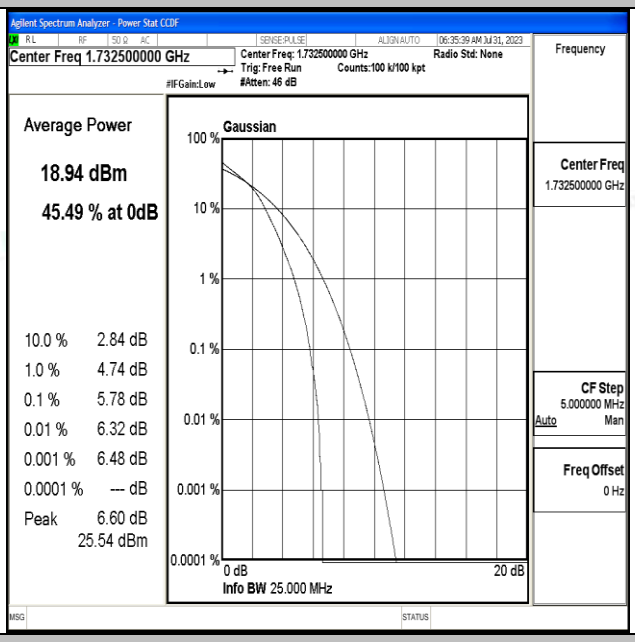
20MHz-20050



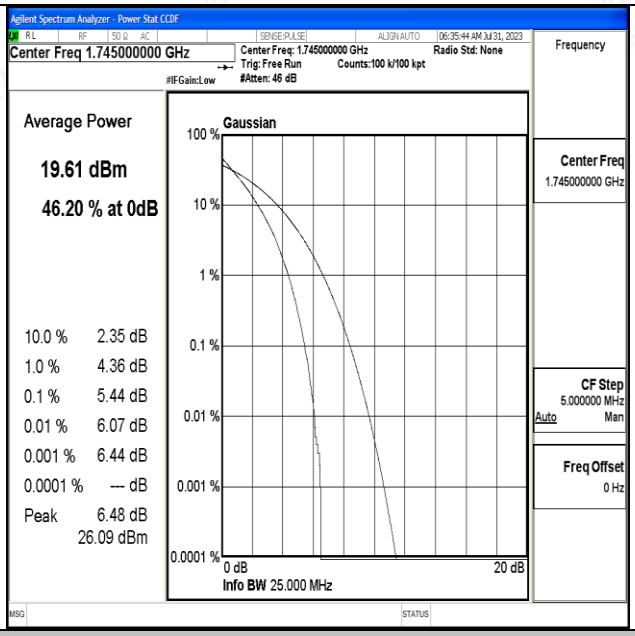
20MHz-20050



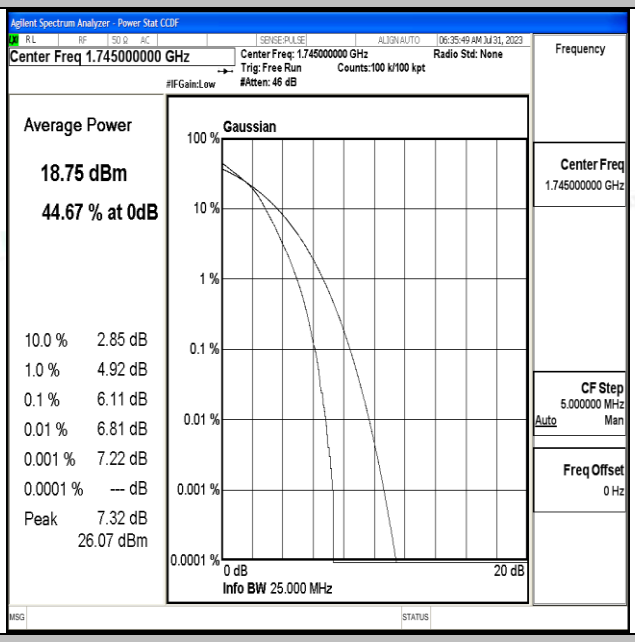
20MHz-20175



20MHz-20175



20MHz-20300



20MHz-20300

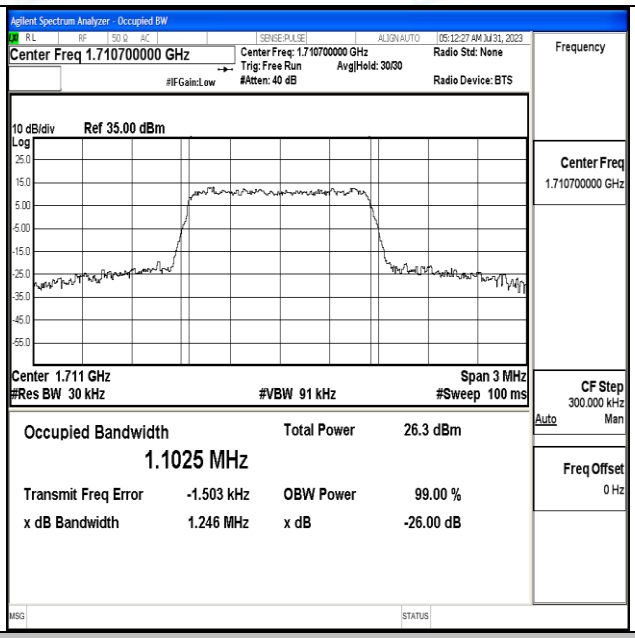
E.3 26dB Bandwidth and Occupied Bandwidth

Test Result

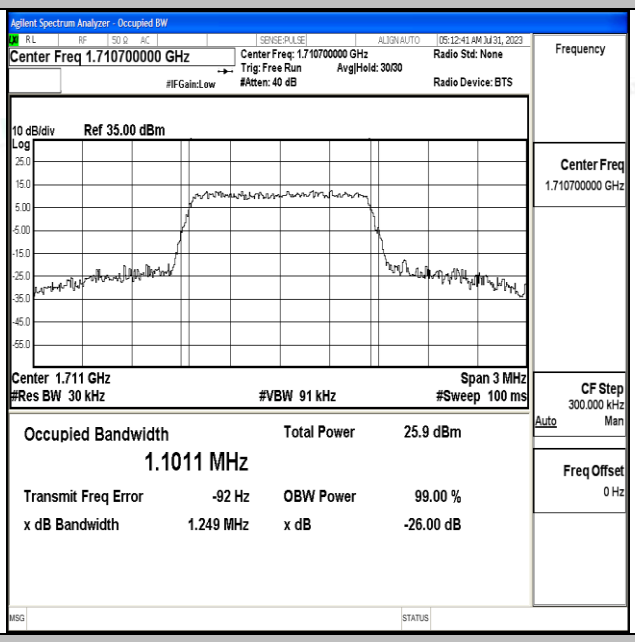
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.1025	1.246	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1011	1.249	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1044	1.247	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1052	1.249	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0963	1.244	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0934	1.239	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6973	3.016	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7056	3.045	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7085	2.996	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7140	3.018	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7099	3.018	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7121	3.042	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5171	4.960	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5163	4.985	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5178	4.998	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4998	4.978	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5012	4.980	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5221	4.991	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9973	9.922	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0046	9.941	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0198	9.957	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9908	9.905	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0015	9.823	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0060	9.848	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.515	14.83	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.515	14.89	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.495	14.82	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.501	14.93	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.497	15.01	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.496	14.92	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.012	19.69	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.013	19.86	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.975	19.66	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.999	19.81	PASS

Band4	20MHz	QPSK	20300	100RB#0	18.073	19.79	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.036	19.85	PASS

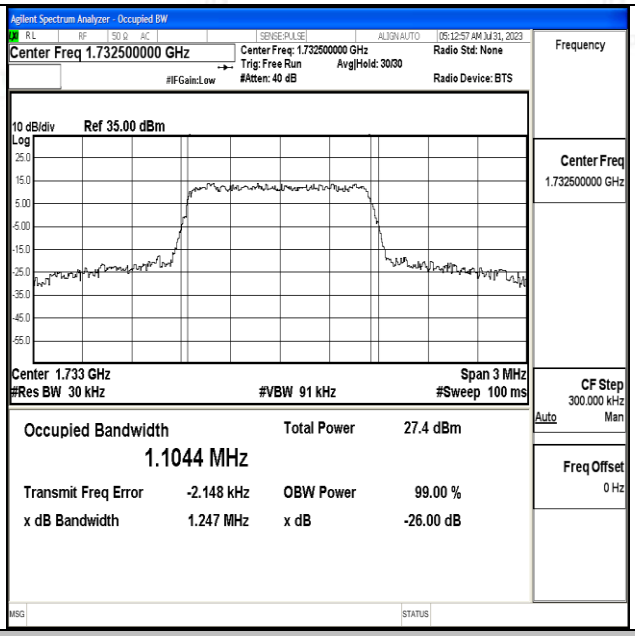
Test Graphs



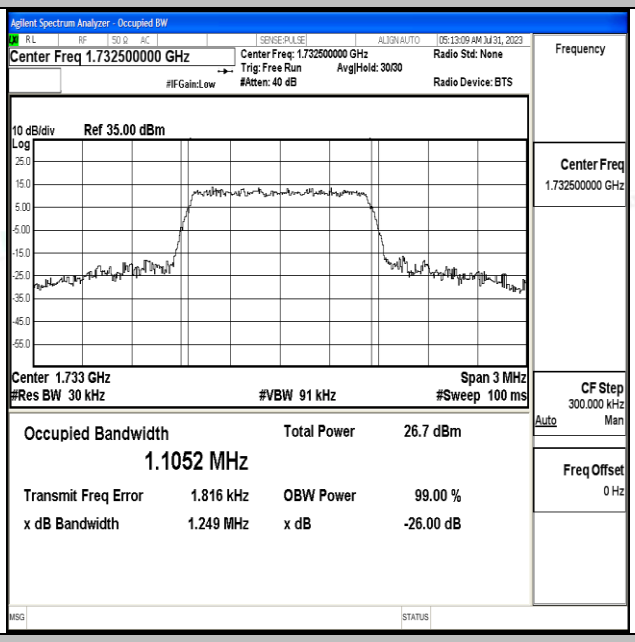
1.4MHz-19957



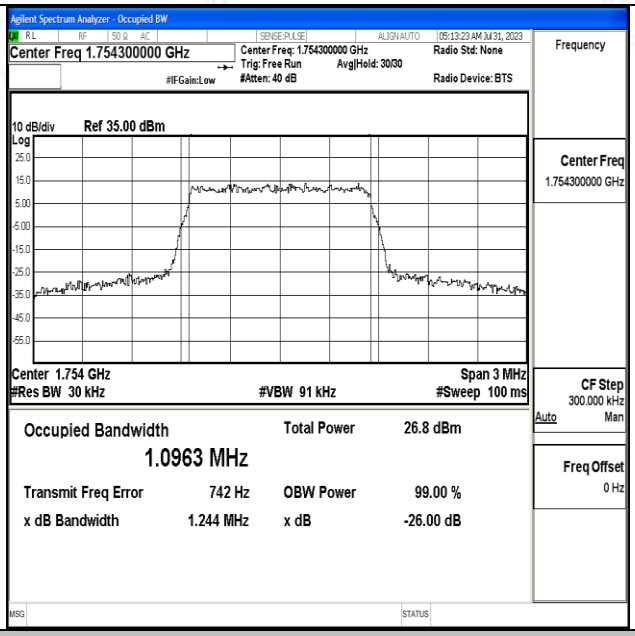
1.4MHz-19957



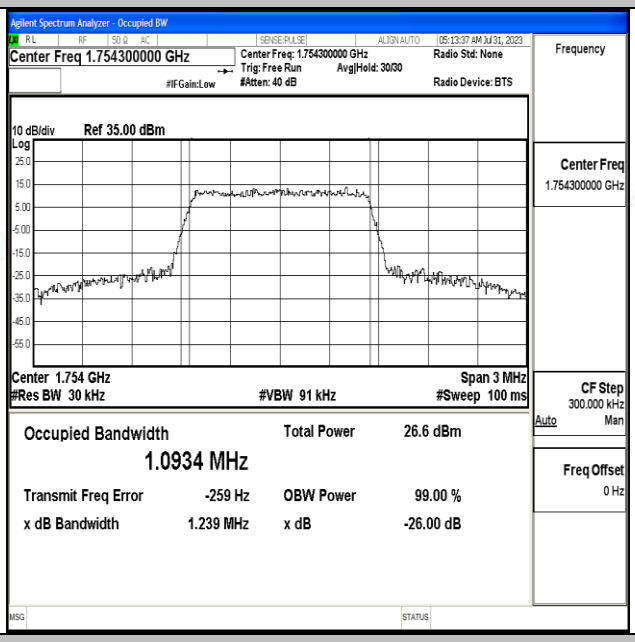
1.4MHz-20175



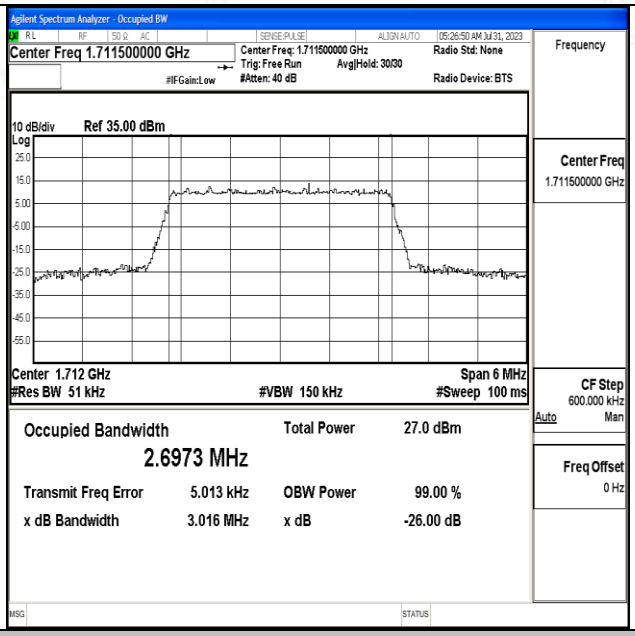
1.4MHz-20175



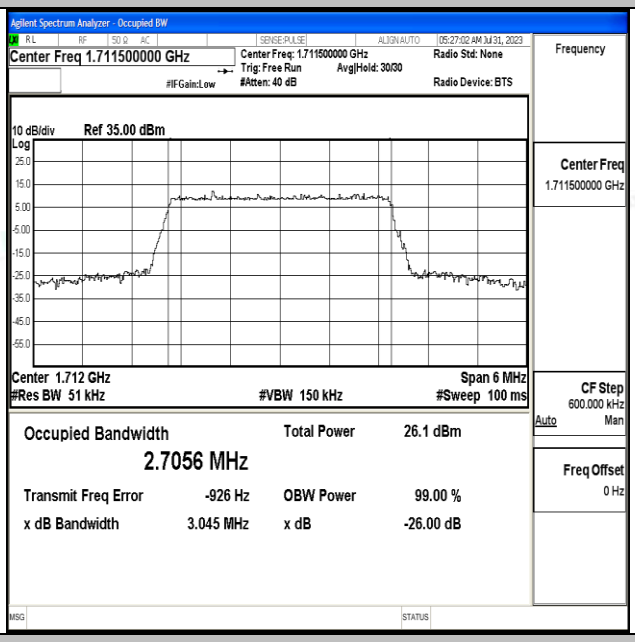
1.4MHz-20393



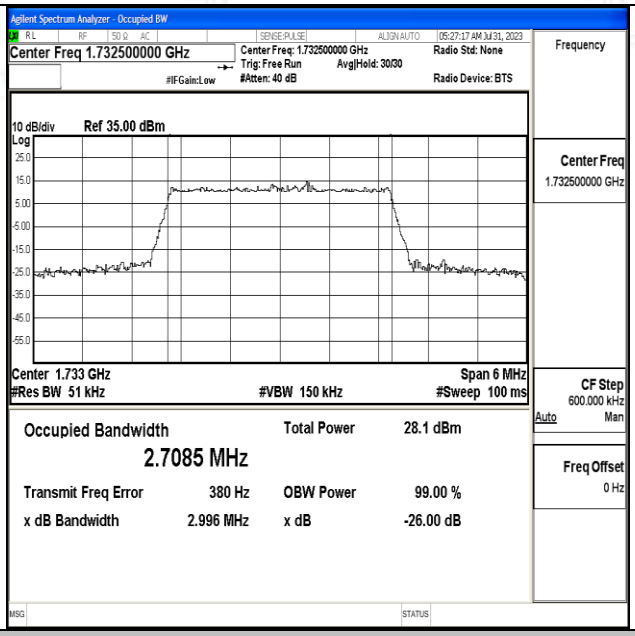
1.4MHz-20393



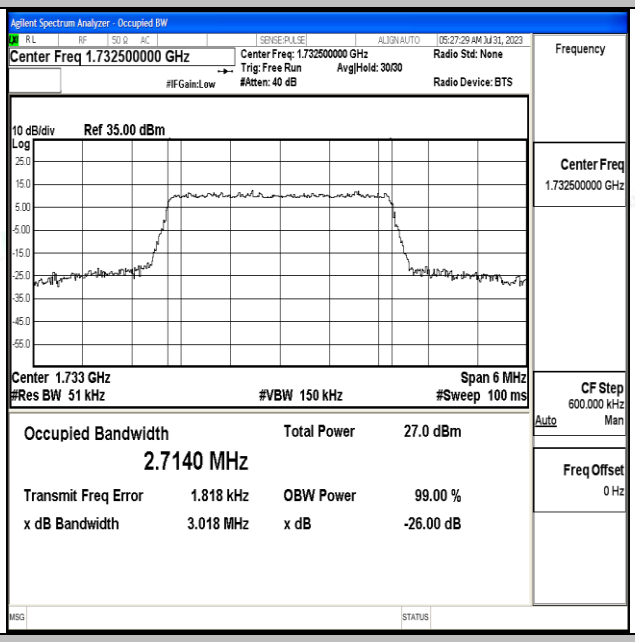
3MHz-19965



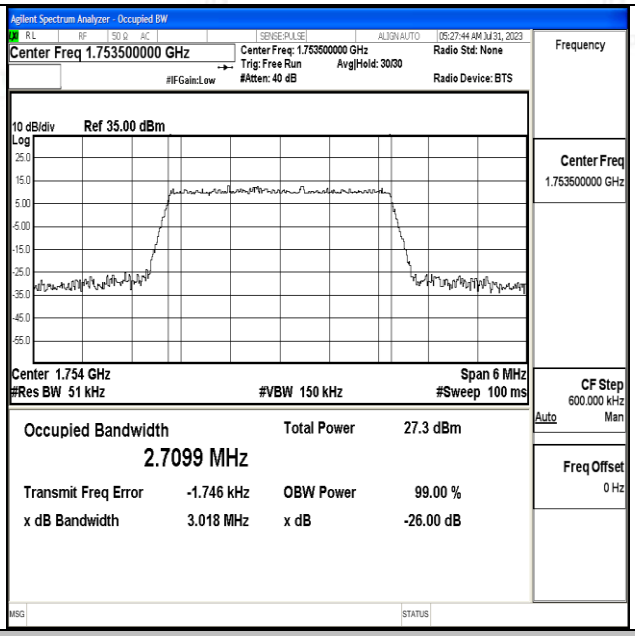
3MHz-19965



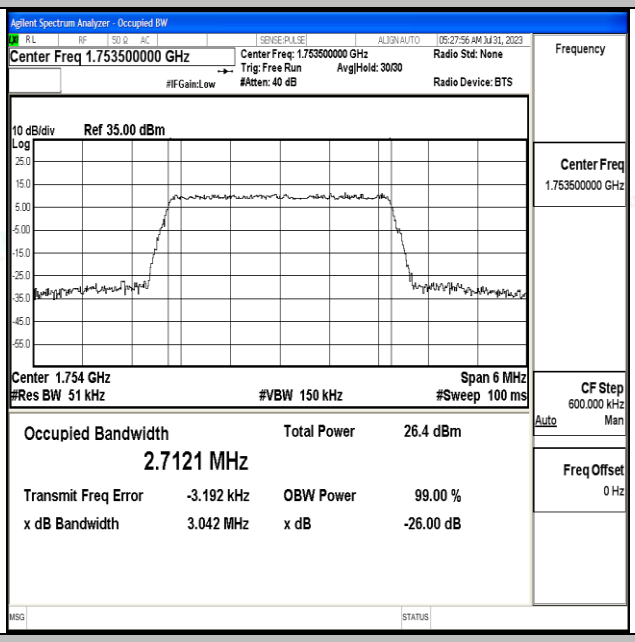
3MHz-20175



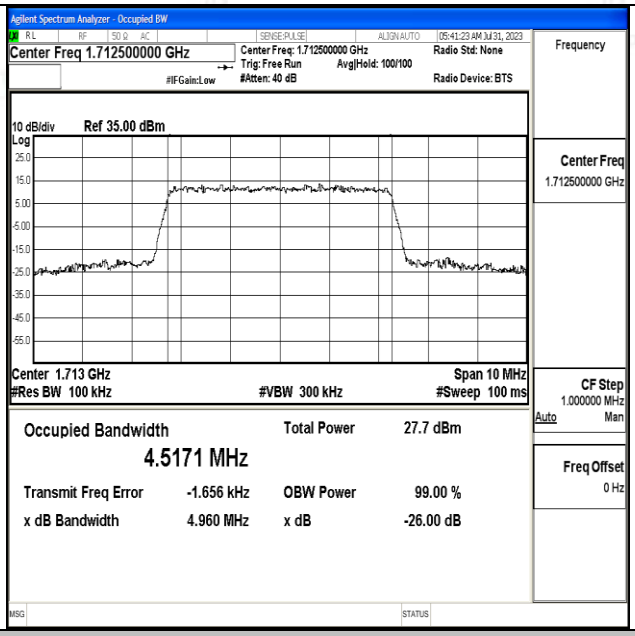
3MHz-20175



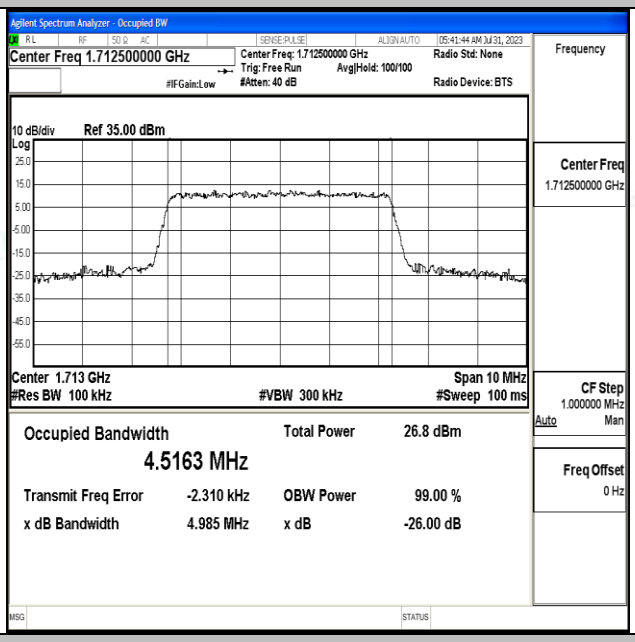
3MHz-20385



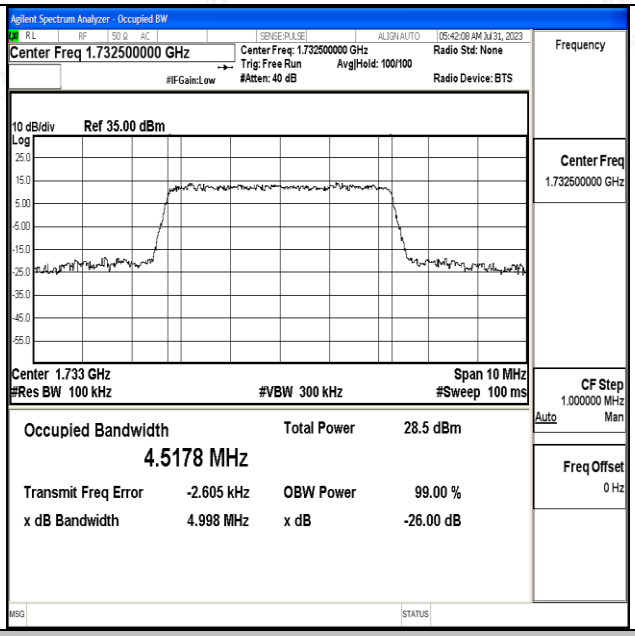
3MHz-20385



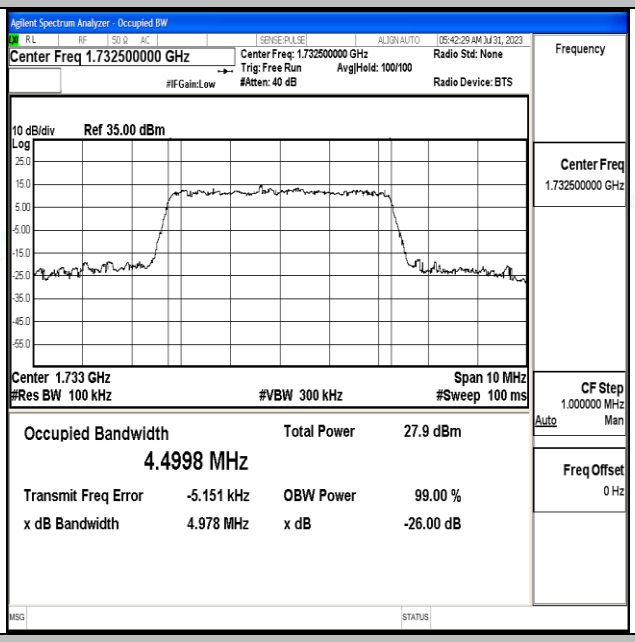
5MHz-19975



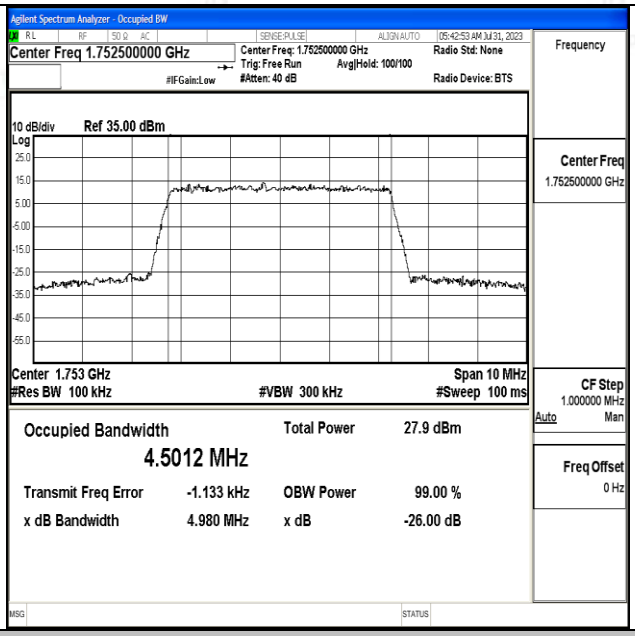
5MHz-19975



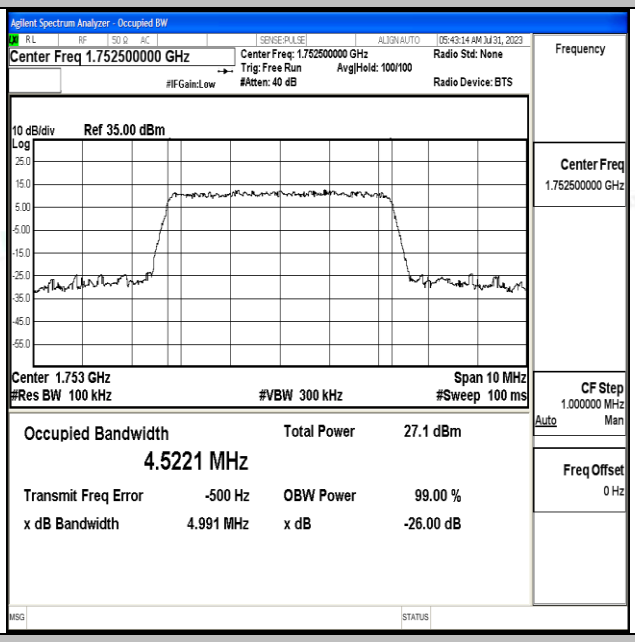
5MHz-20175



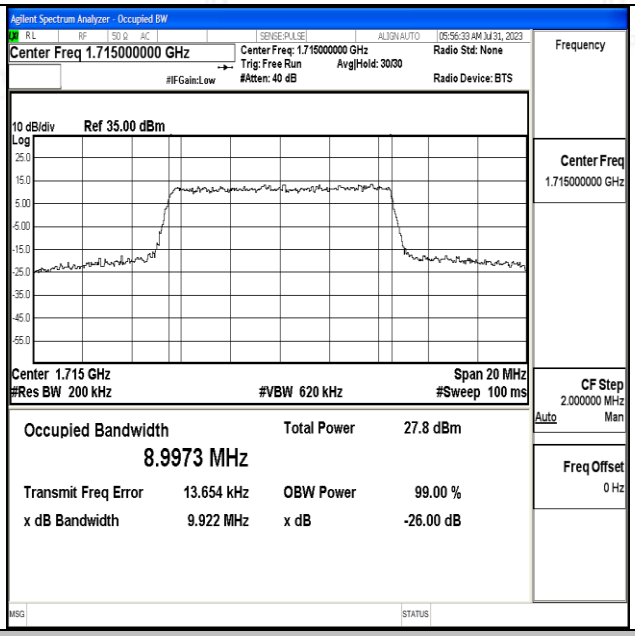
5MHz-20175



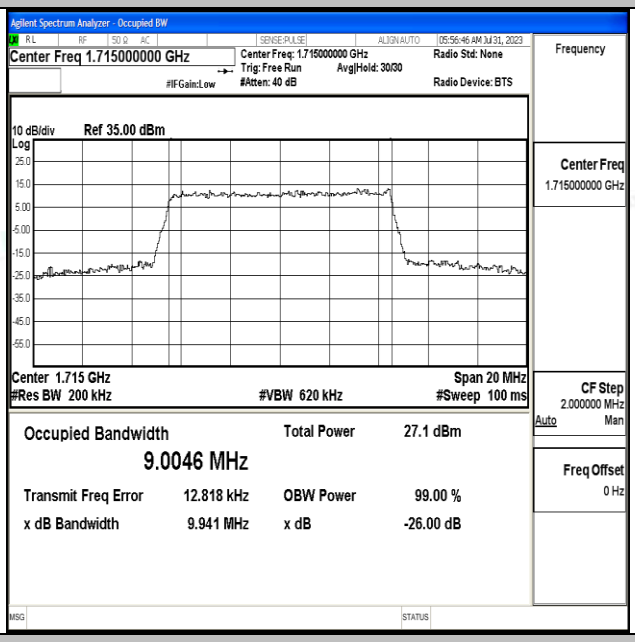
5MHz-20375



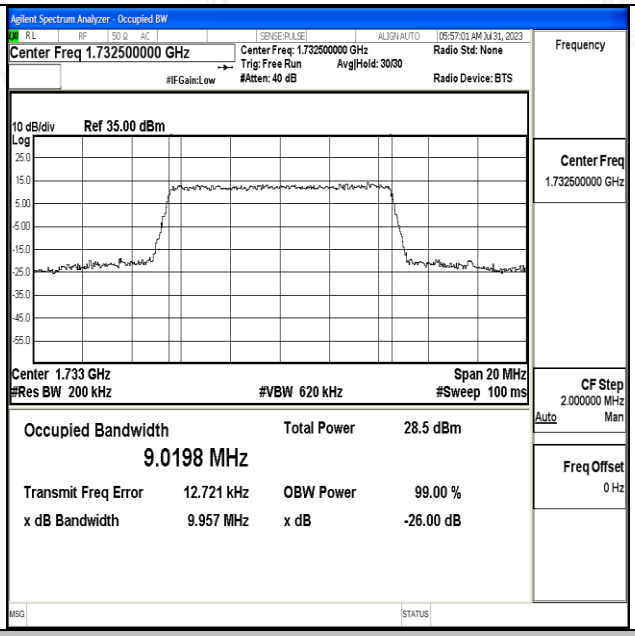
5MHz-20375



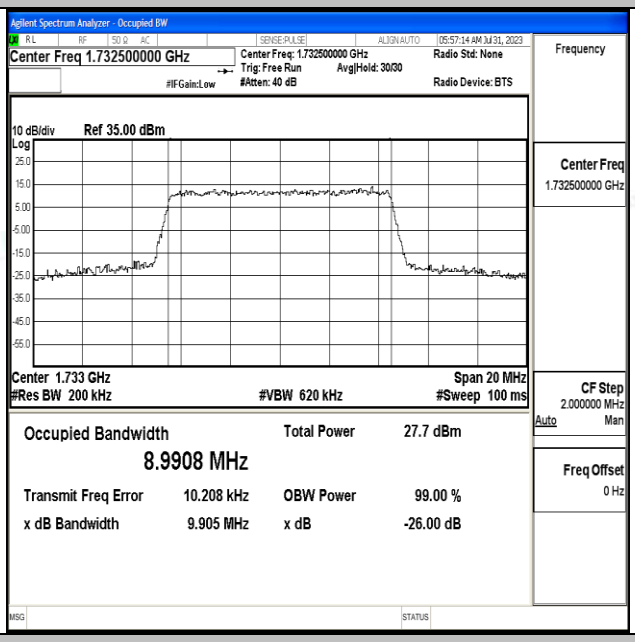
10MHz-20000



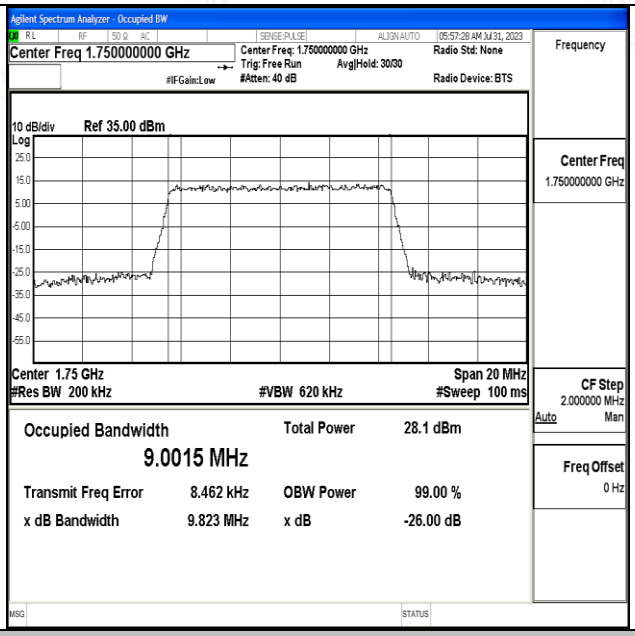
10MHz-20000



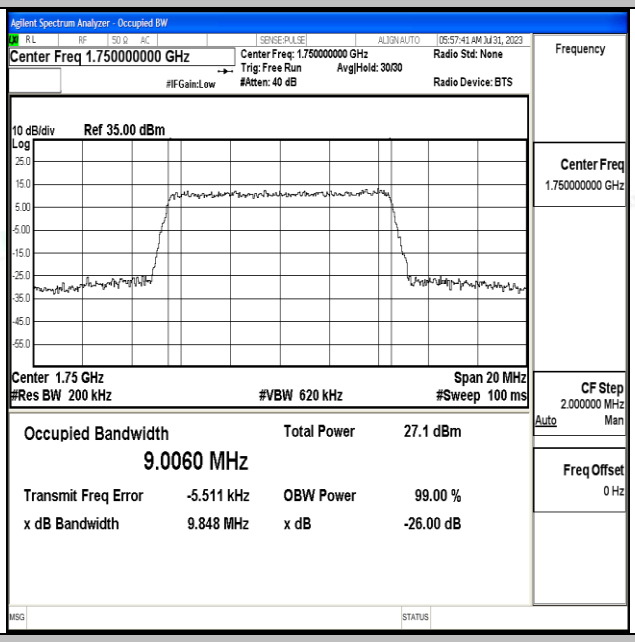
10MHz-20175



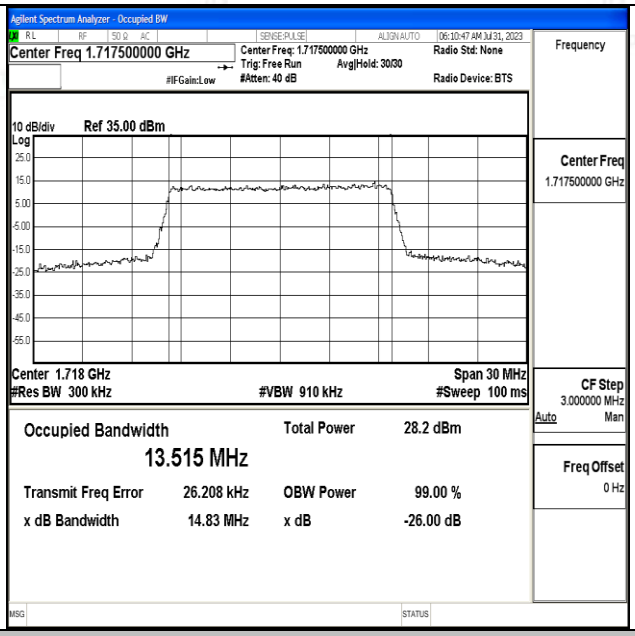
10MHz-20175



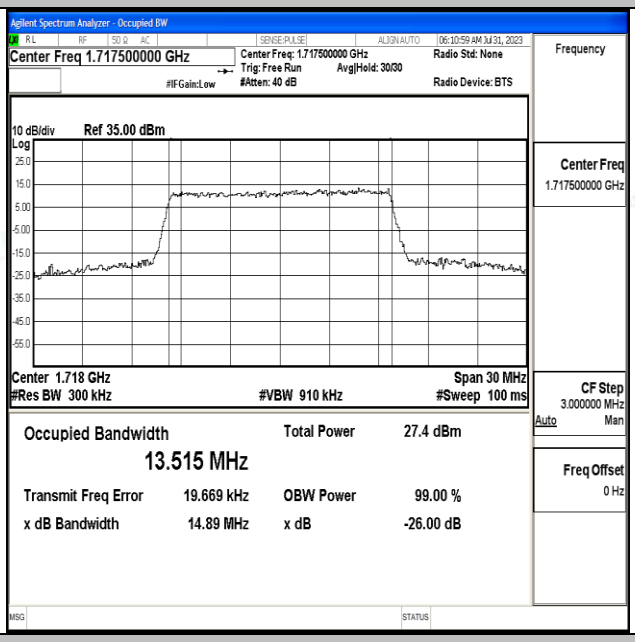
10MHz-20350



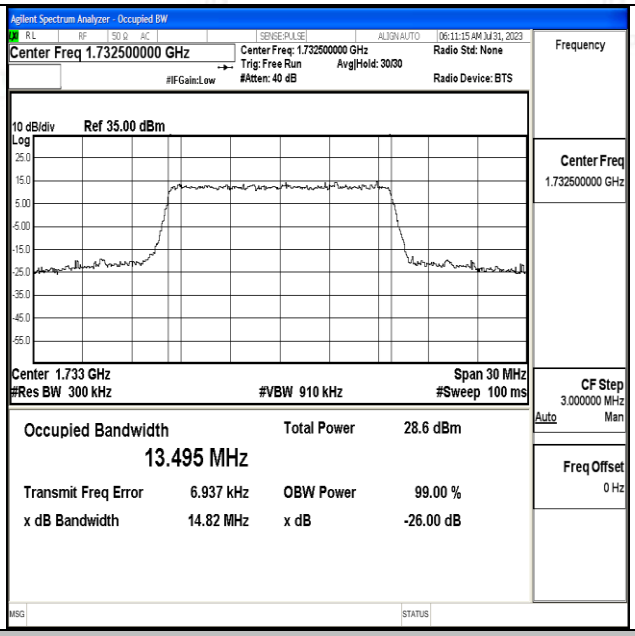
10MHz-20350



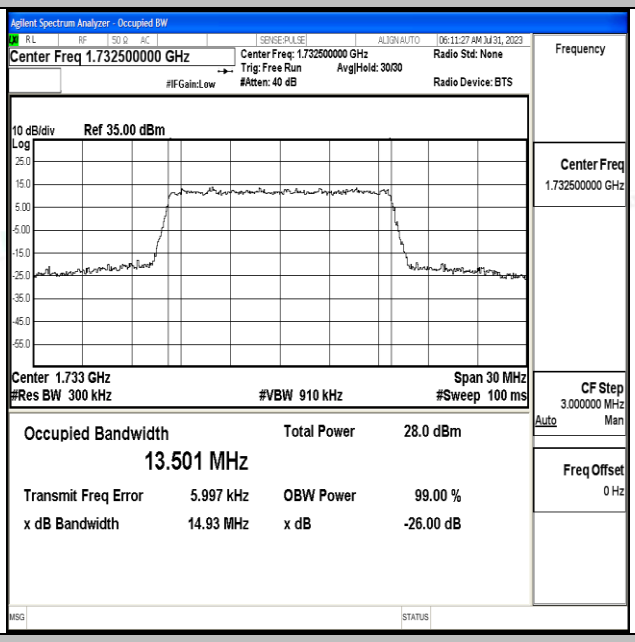
15MHz-20025



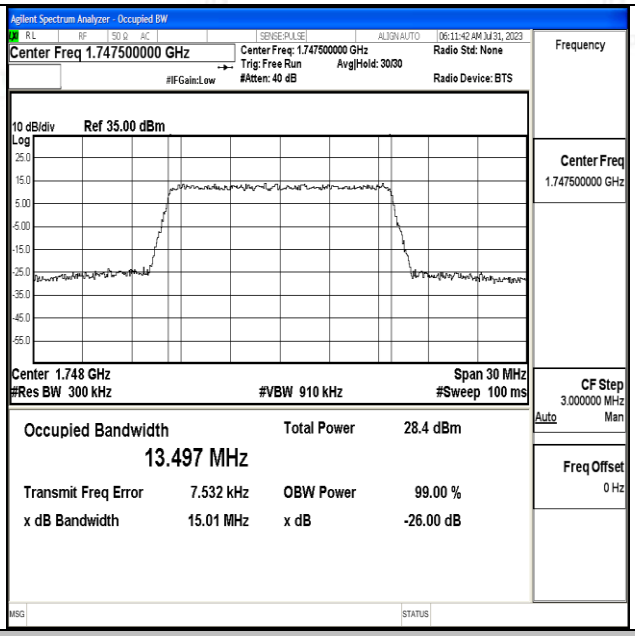
15MHz-20025



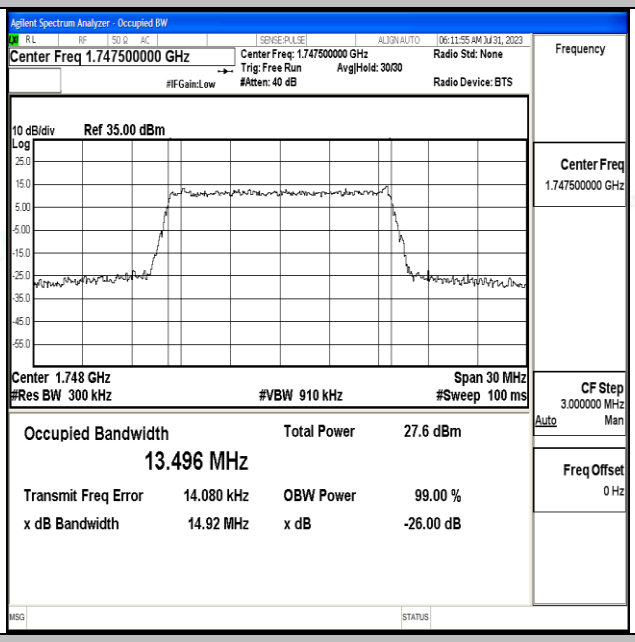
15MHz-20175



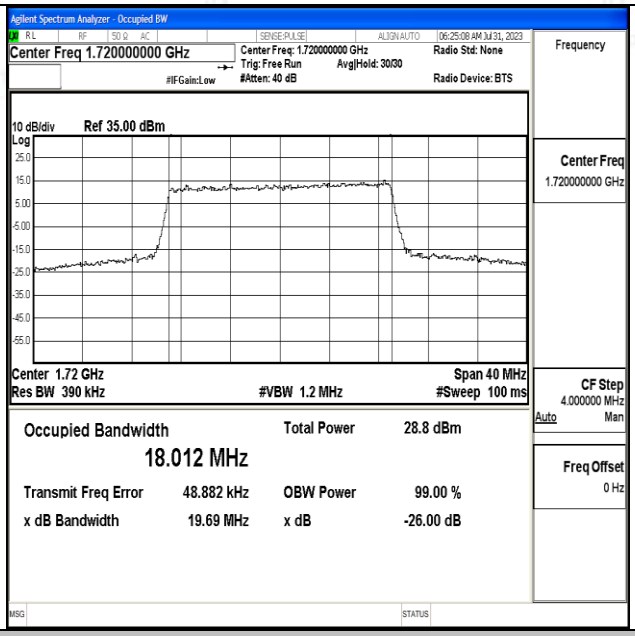
15MHz-20175



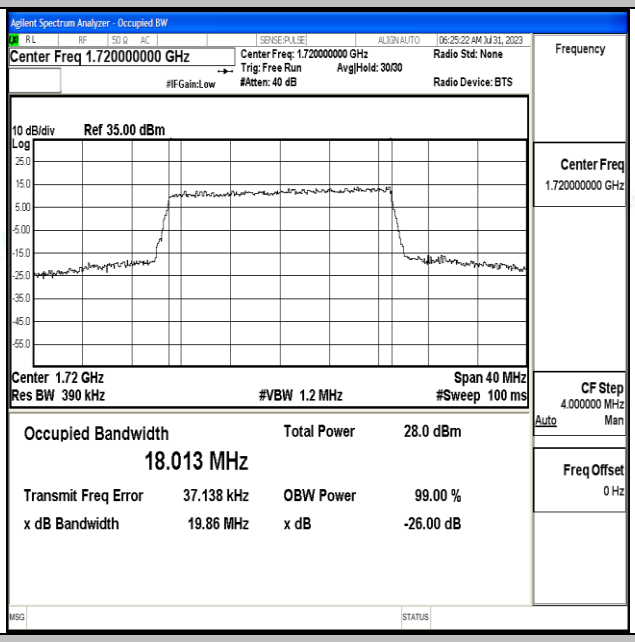
15MHz-20325



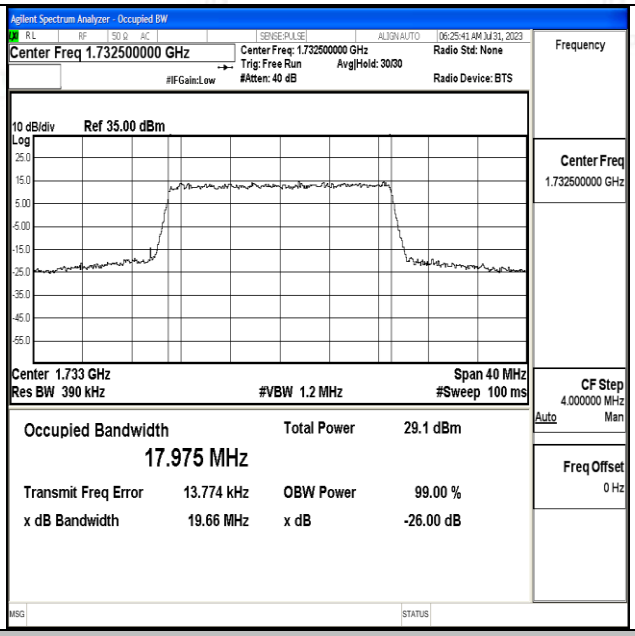
15MHz-20325



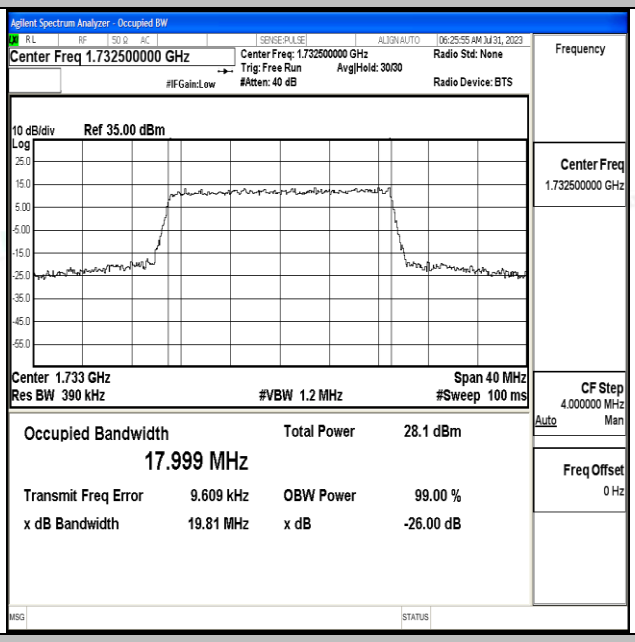
20MHz-20050



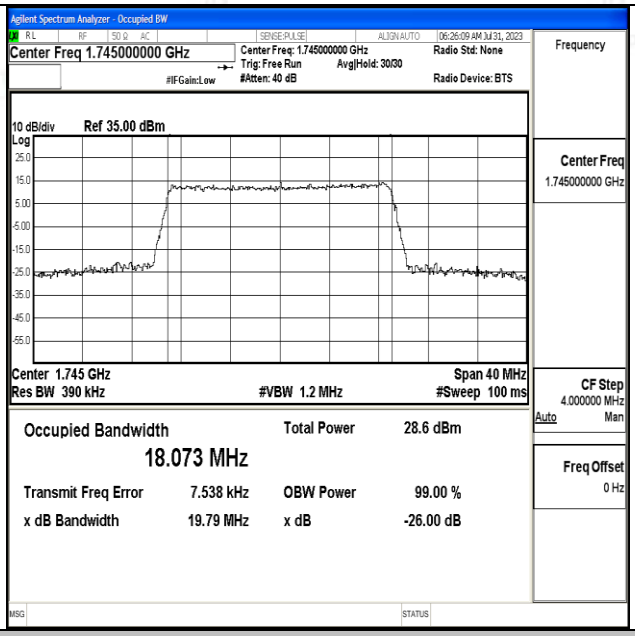
20MHz-20050



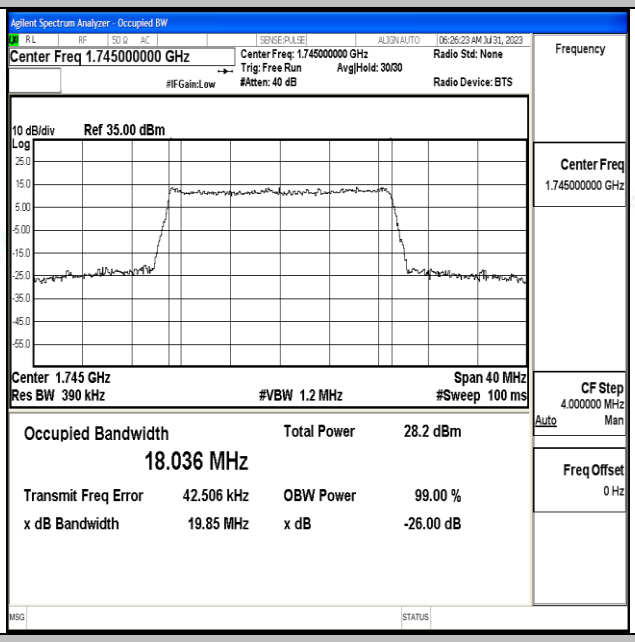
20MHz-20175



20MHz-20175



20MHz-20300



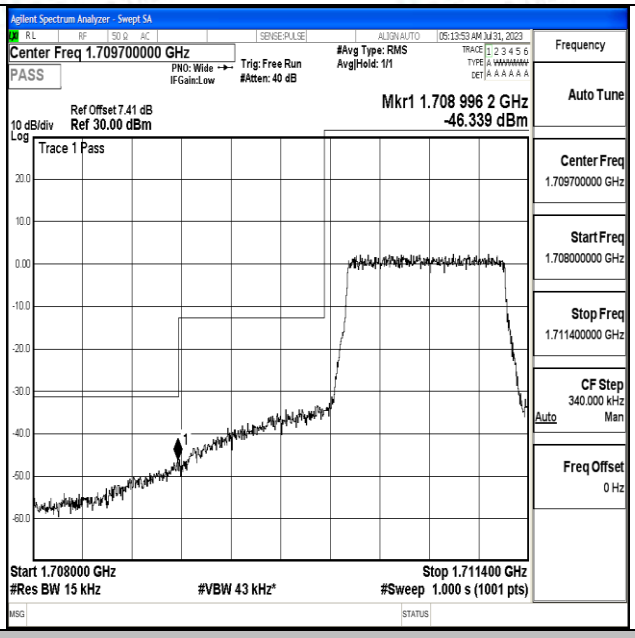
20MHz-20300

E.4 Band Edge

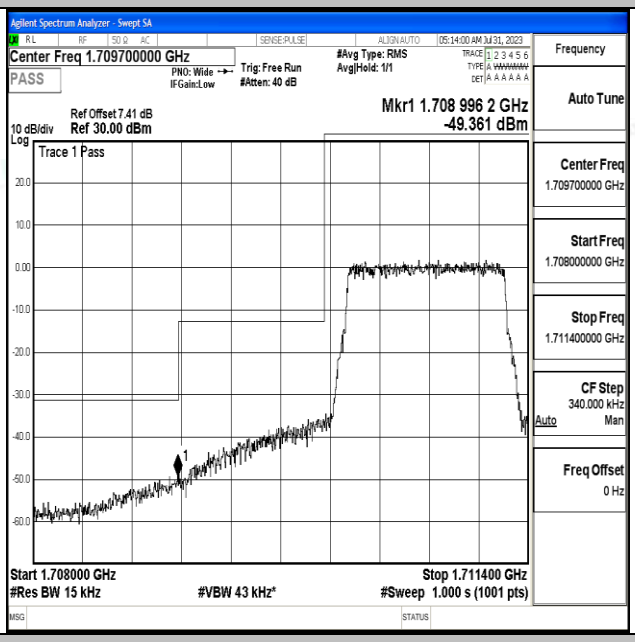
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1709.00	-46.34	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1709.00	-49.36	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1756.02	-46.85	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1756.00	-48.76	PASS
Band4	3MHz	QPSK	19965	15RB#0	1708.90	-36.03	PASS
Band4	3MHz	16QAM	19965	15RB#0	1708.94	-38.49	PASS
Band4	3MHz	QPSK	20385	15RB#0	1756.09	-41.66	PASS
Band4	3MHz	16QAM	20385	15RB#0	1756.25	-44.19	PASS
Band4	5MHz	QPSK	19975	25RB#0	1708.99	-34.63	PASS
Band4	5MHz	16QAM	19975	25RB#0	1708.90	-37.23	PASS
Band4	5MHz	QPSK	20375	25RB#0	1756.10	-42.52	PASS
Band4	5MHz	16QAM	20375	25RB#0	1756.13	-43.28	PASS
Band4	10MHz	QPSK	20000	50RB#0	1708.85	-32.40	PASS
Band4	10MHz	16QAM	20000	50RB#0	1708.85	-35.07	PASS
Band4	10MHz	QPSK	20350	50RB#0	1756.08	-41.99	PASS
Band4	10MHz	16QAM	20350	50RB#0	1756.11	-43.59	PASS
Band4	15MHz	QPSK	20025	75RB#0	1708.73	-31.29	PASS
Band4	15MHz	16QAM	20025	75RB#0	1708.09	-34.46	PASS
Band4	15MHz	QPSK	20325	75RB#0	1756.93	-39.74	PASS
Band4	15MHz	16QAM	20325	75RB#0	1756.78	-41.78	PASS
Band4	20MHz	QPSK	20050	100RB#0	1708.81	-32.19	PASS
Band4	20MHz	16QAM	20050	100RB#0	1708.79	-34.68	PASS
Band4	20MHz	QPSK	20300	100RB#0	1756.01	-39.69	PASS
Band4	20MHz	16QAM	20300	100RB#0	1756.14	-40.80	PASS

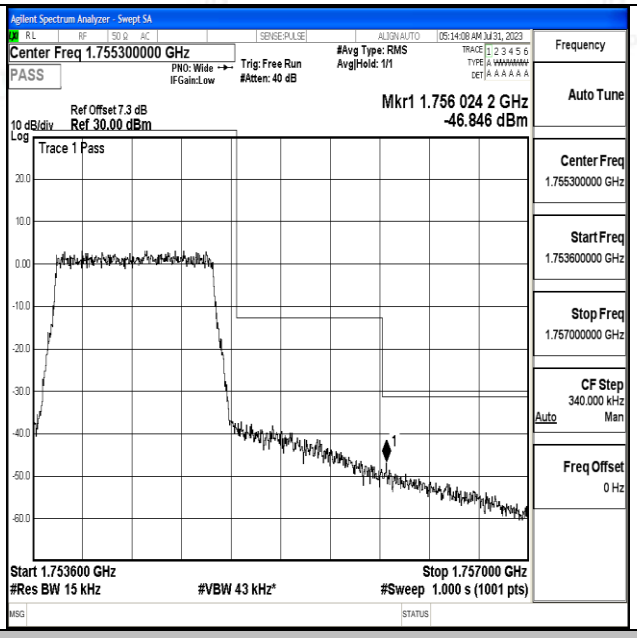
Test Graphs



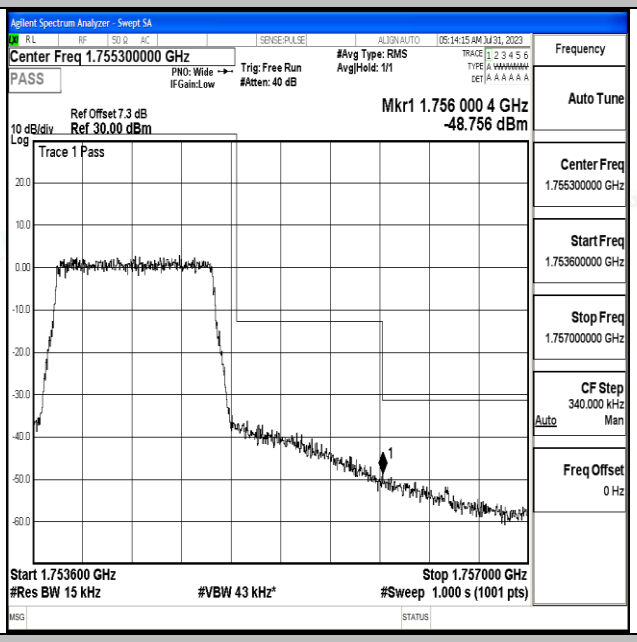
Band4_1.4MHz_QPSK_19957_6RB#0



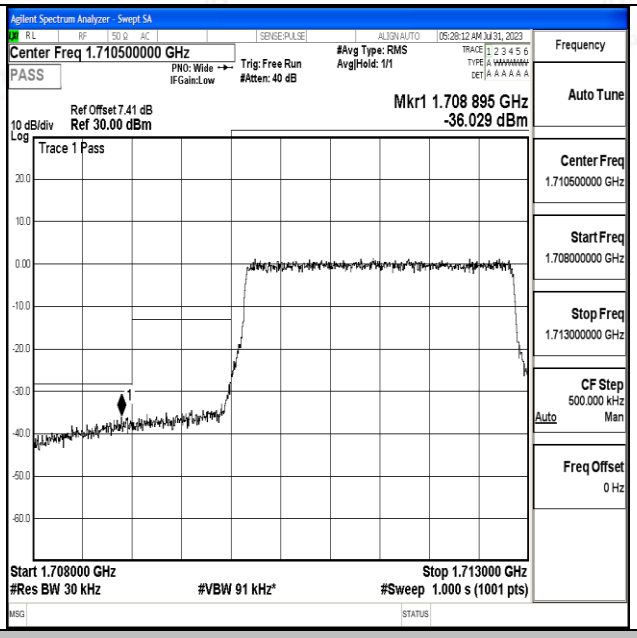
Band4_1.4MHz_16QAM_19957_6RB#0



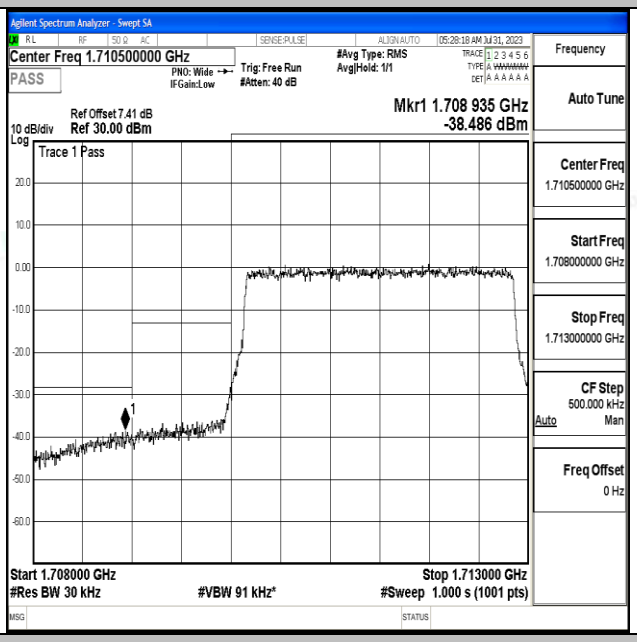
Band4_1.4MHz_QPSK_20393_6RB#0



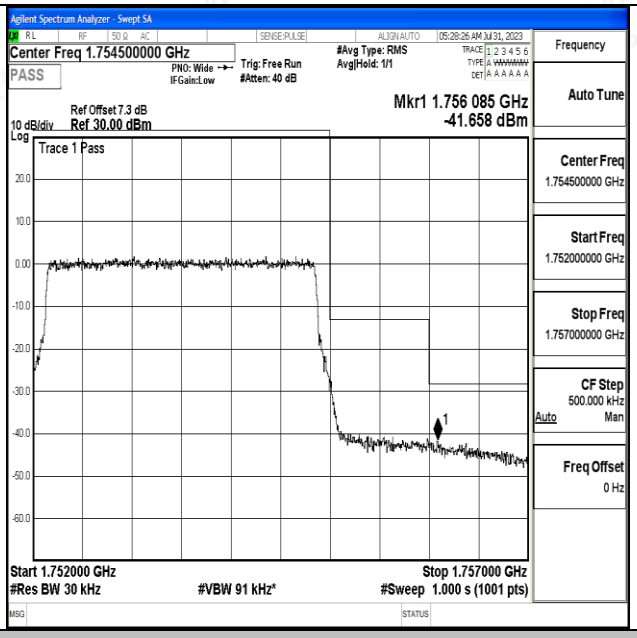
Band4_1.4MHz_16QAM_20393_6RB#0



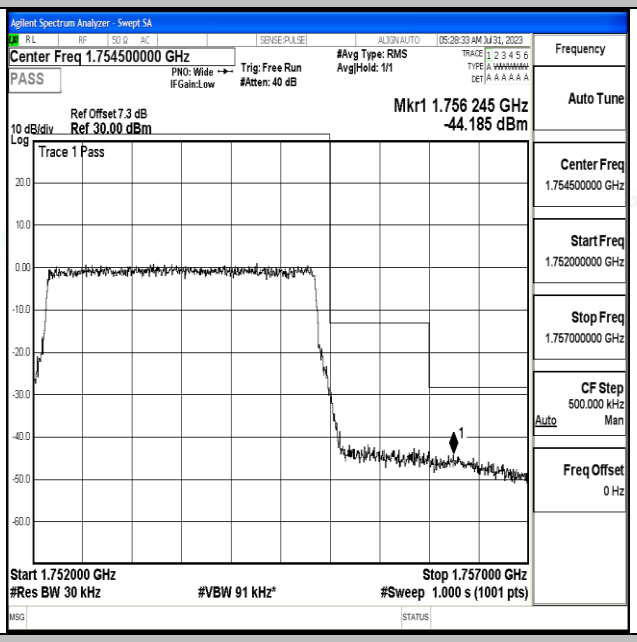
Band4_3MHz_QPSK_19965_15RB#0



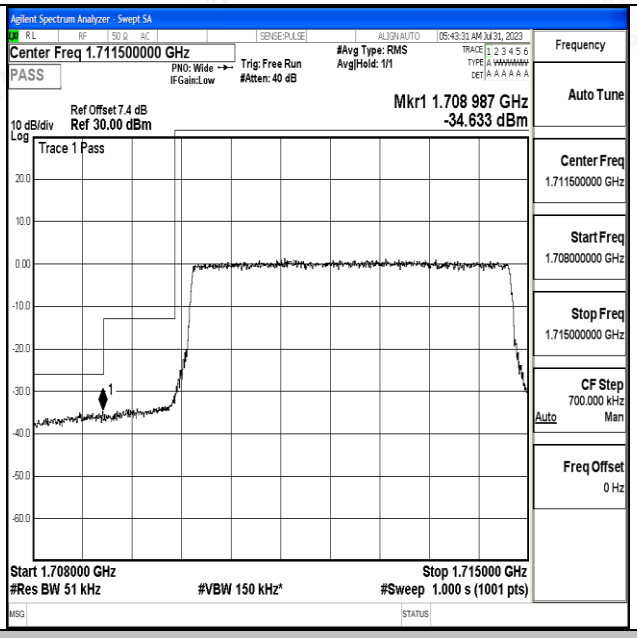
Band4_3MHz_16QAM_19965_15RB#0



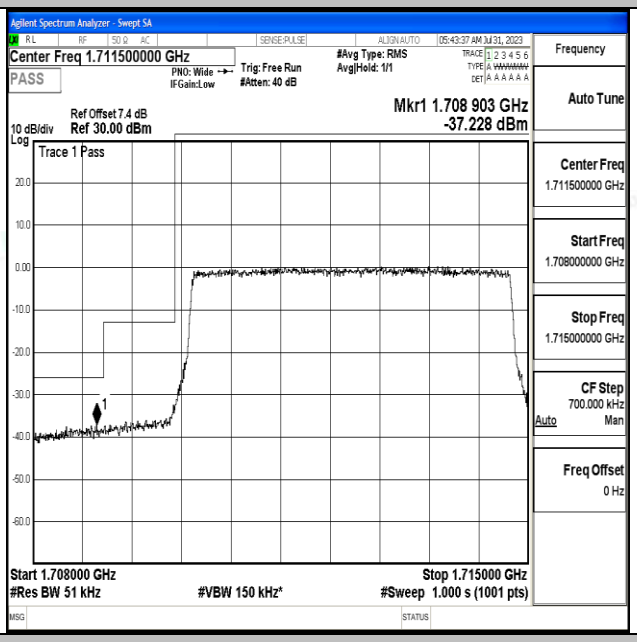
Band4_3MHz_QPSK_20385_15RB#0



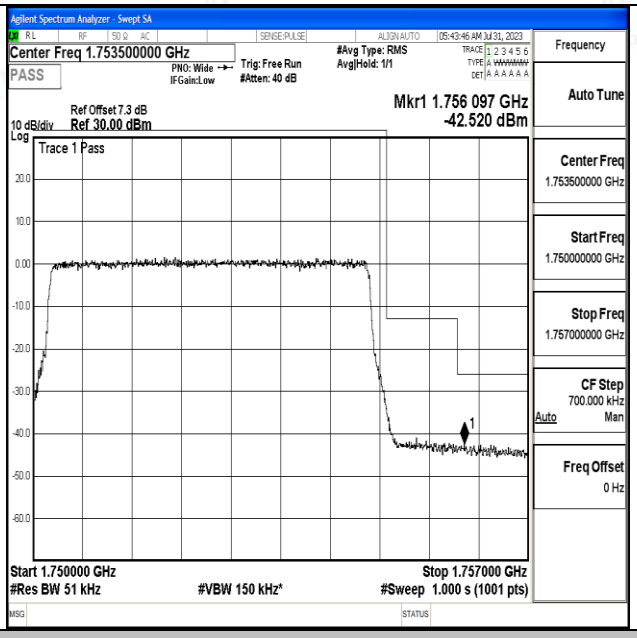
Band4_3MHz_16QAM_20385_15RB#0



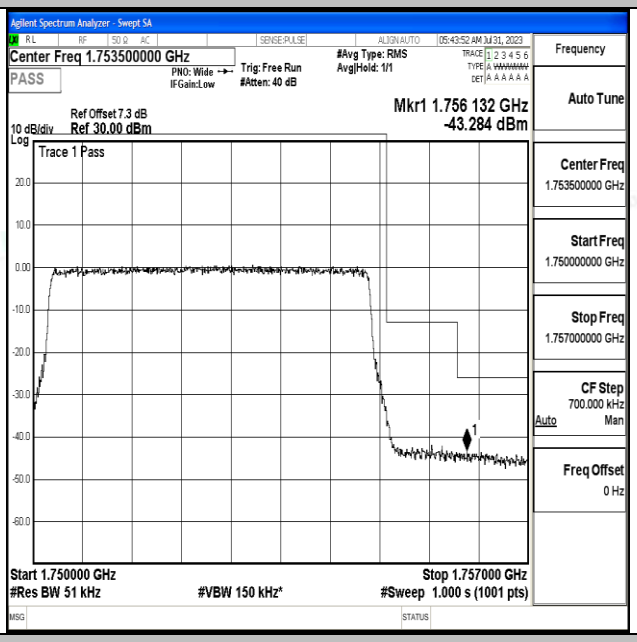
Band4_5MHz_QPSK_19975_25RB#0



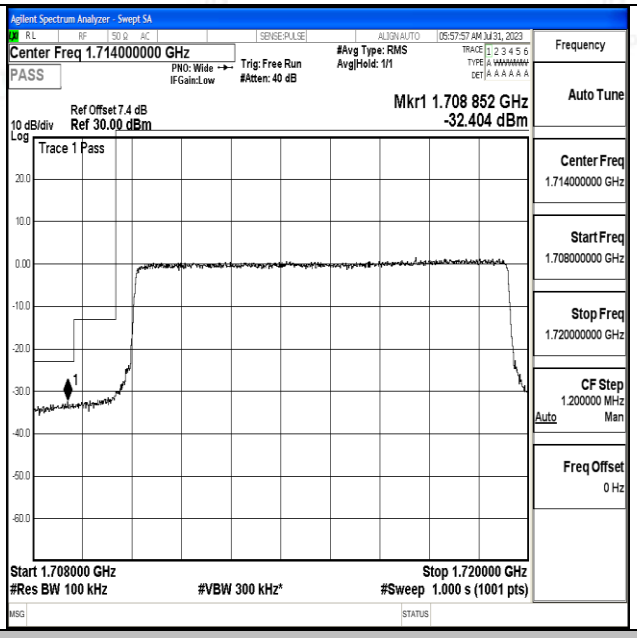
Band4_5MHz_16QAM_19975_25RB#0



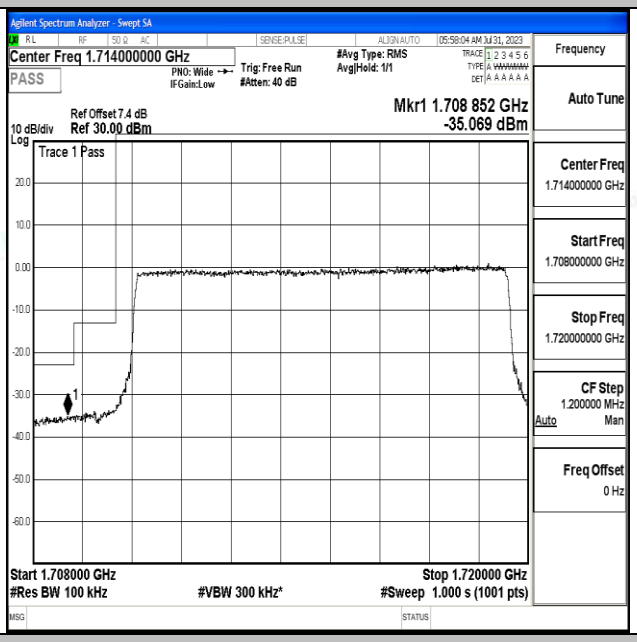
Band4_5MHz_QPSK_20375_25RB#0



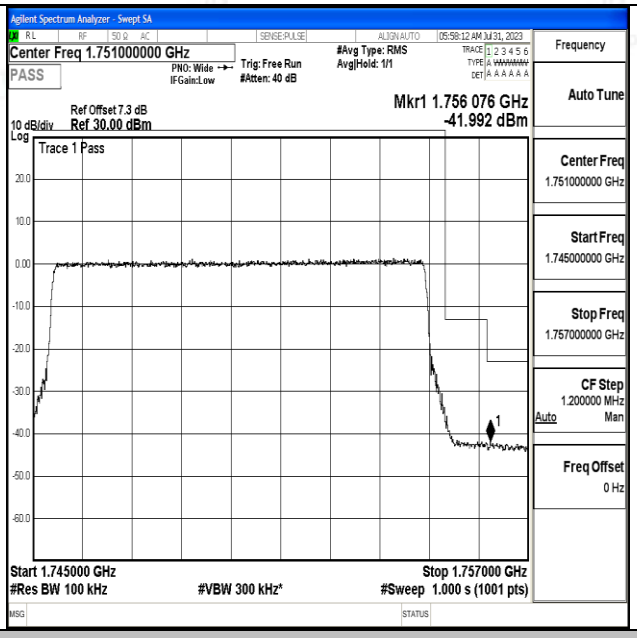
Band4_5MHz_16QAM_20375_25RB#0



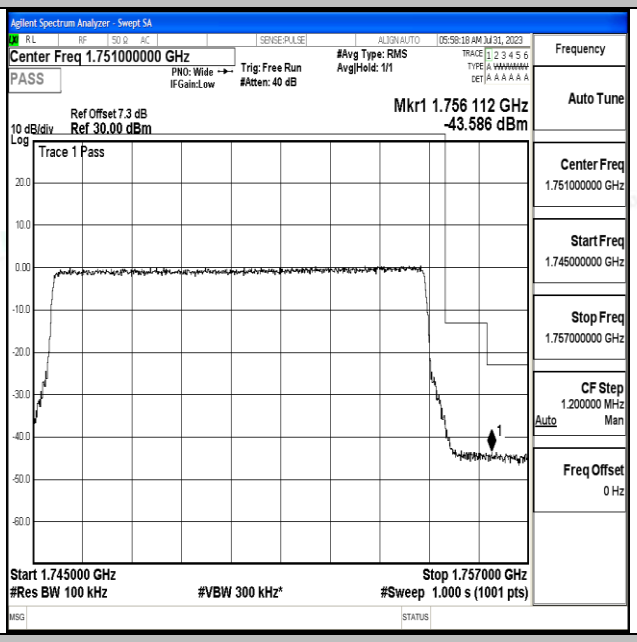
Band4_10MHz_QPSK_20000_50RB#0



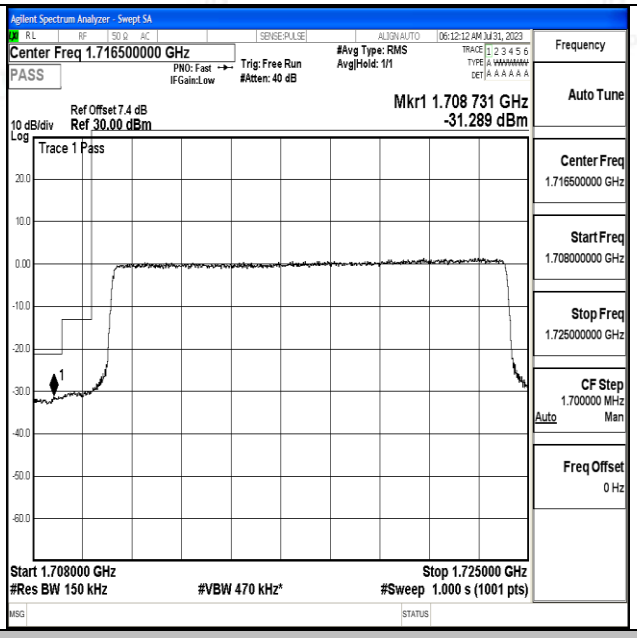
Band4_10MHz_16QAM_20000_50RB#0



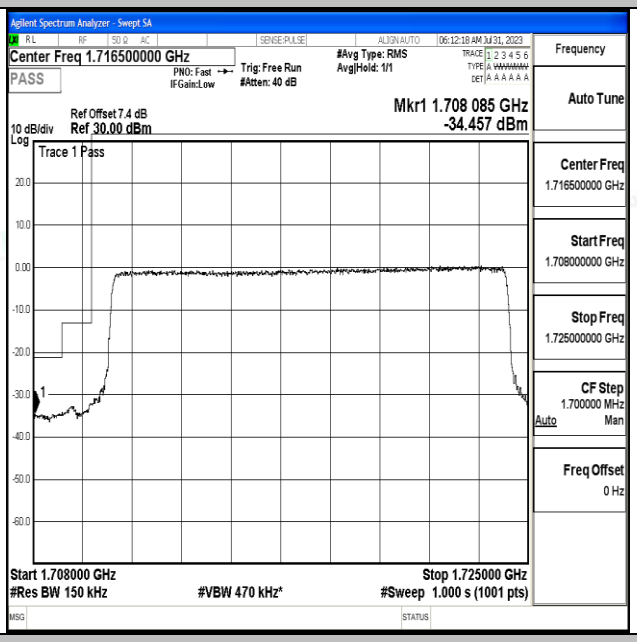
Band4_10MHz_QPSK_20350_50RB#0



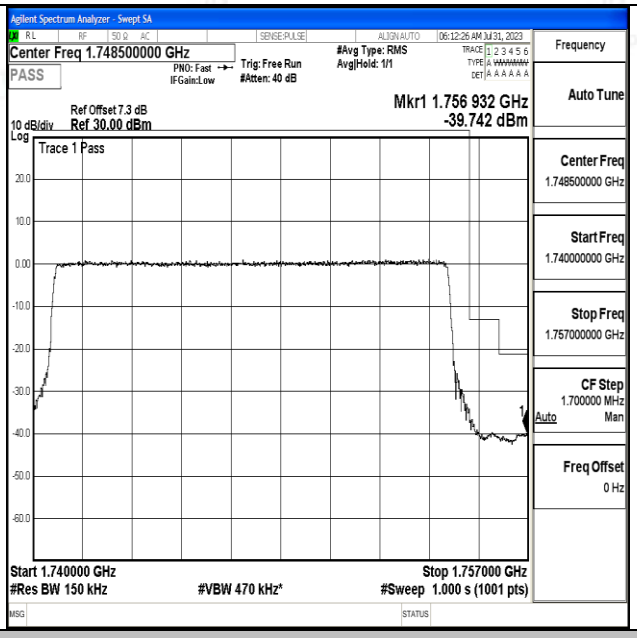
Band4_10MHz_16QAM_20350_50RB#0



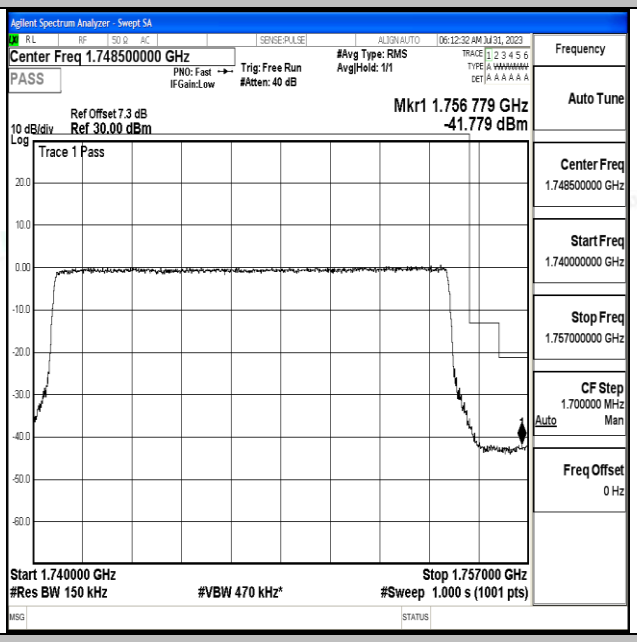
Band4_15MHz_QPSK_20025_75RB#0



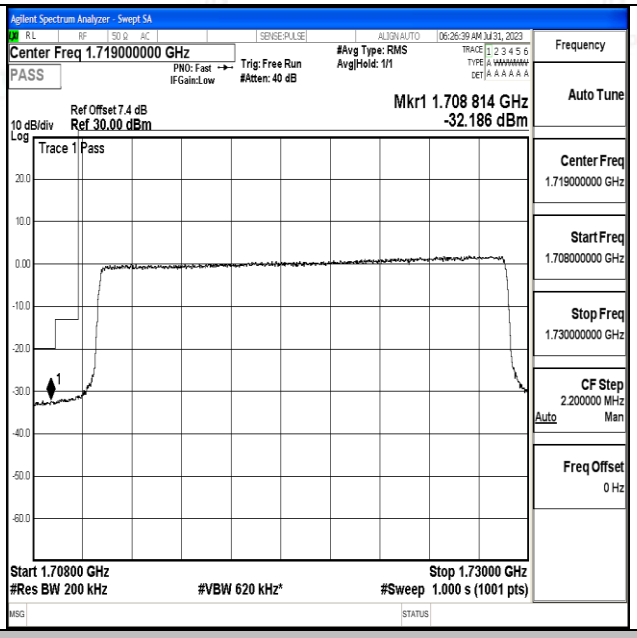
Band4_15MHz_16QAM_20025_75RB#0



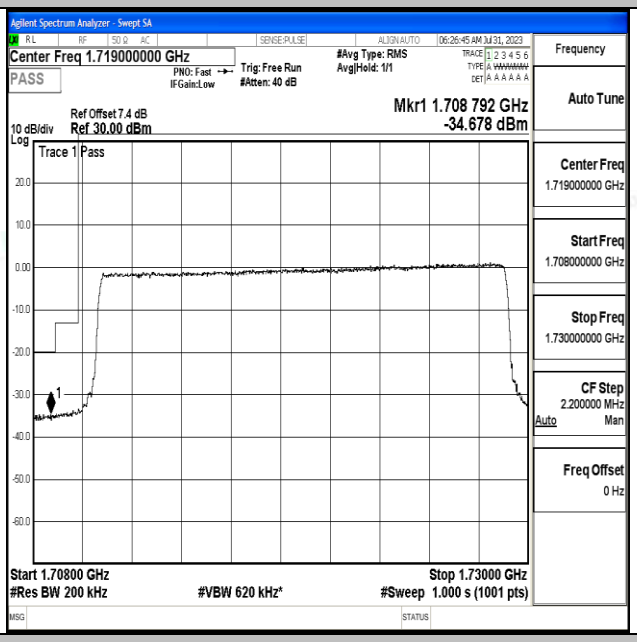
Band4_15MHz_QPSK_20325_75RB#0



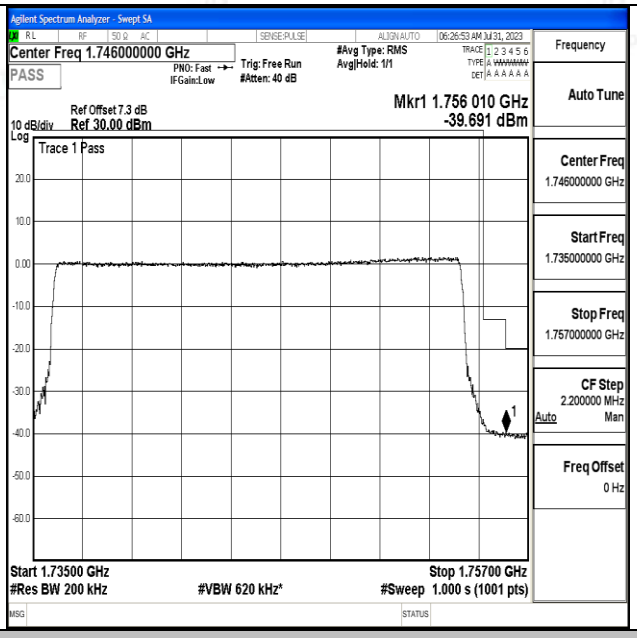
Band4_15MHz_16QAM_20325_75RB#0



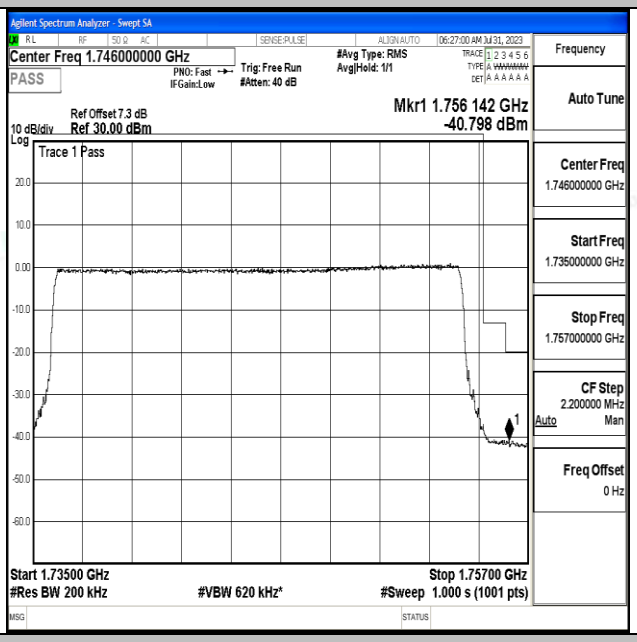
Band4_20MHz_QPSK_20050_100RB#0



Band4_20MHz_16QAM_20050_100RB#0



Band4_20MHz_QPSK_20300_100RB#0



Band4_20MHz_16QAM_20300_100RB#0

E.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	0.009~0.15	-67.06	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	0.15~30	-52.81	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-53.98	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-44.43	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-29.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.009~0.15	-67.99	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.15~30	-51.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-54.01	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-45.36	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-27.65	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.009~0.15	-67.33	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.15~30	-52.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-53.82	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-45.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-30.01	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.009~0.15	-64.54	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.15~30	-52.03	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-53.89	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-45.28	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-28.28	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.009~0.15	-66.65	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.15~30	-52.95	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-53.90	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-45.30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-28.92	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.009~0.15	-65.87	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.15~30	-52.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-53.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-38.99	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-31.08	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.009~0.15	-68.47	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.15~30	-54.86	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-53.96	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	-47.70	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	-27.97	PASS

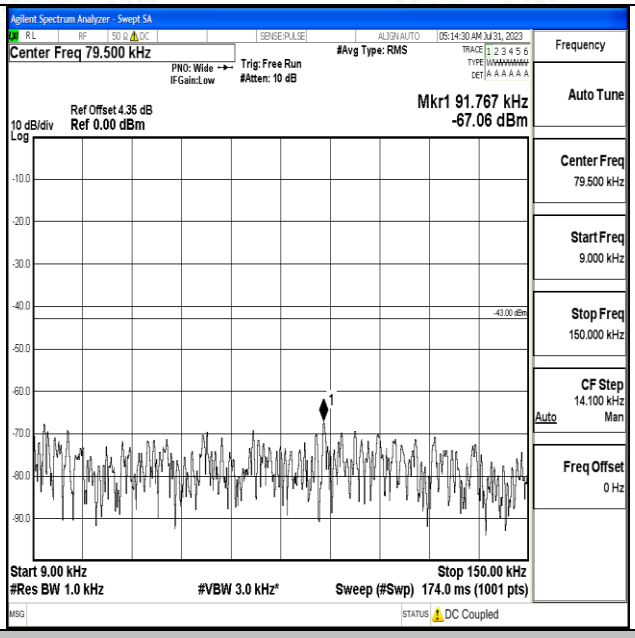
Band4	3MHz	16QAM	19965	1RB#0	0.009~0.15	-69.02	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.15~30	-52.61	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	-53.93	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	-47.77	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	-31.35	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.009~0.15	-64.97	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.15~30	-54.18	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-53.87	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	-47.29	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	-29.84	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.009~0.15	-65.41	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.15~30	-53.37	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	-53.81	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	-47.59	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	-31.59	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.009~0.15	-65.34	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.15~30	-52.96	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-53.73	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	-47.11	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	-30.01	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.009~0.15	-65.93	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.15~30	-54.26	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	-53.93	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	-47.53	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	-30.06	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.009~0.15	-66.22	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.15~30	-52.59	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-53.94	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	-48.04	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	-28.39	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.009~0.15	-66.46	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.15~30	-51.98	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	-53.89	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	-47.58	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	-28.33	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.009~0.15	-66.44	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.15~30	-52.79	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-53.97	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	-47.95	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	-30.05	PASS

Band4	5MHz	16QAM	20175	1RB#0	0.009~0.15	-65.04	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.15~30	-52.68	PASS
Band4	5MHz	16QAM	20175	1RB#0	30~1000	-53.84	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	-48.03	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	-33.28	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.009~0.15	-67.41	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.15~30	-55.35	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-53.85	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	-47.80	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	-29.30	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.009~0.15	-65.58	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.15~30	-51.82	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	-53.88	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	-47.77	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	-30.38	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.009~0.15	-68.97	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.15~30	-51.92	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-53.91	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	-48.18	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	-28.14	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.009~0.15	-65.98	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.15~30	-52.07	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	-53.95	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	-48.27	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	-28.29	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.009~0.15	-64.32	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.15~30	-54.11	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-53.89	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	-48.13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	-30.56	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.009~0.15	-65.36	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.15~30	-49.81	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	-53.91	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	-47.99	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	-30.46	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.009~0.15	-65.39	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.15~30	-54.08	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-53.81	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	-47.72	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	-29.23	PASS

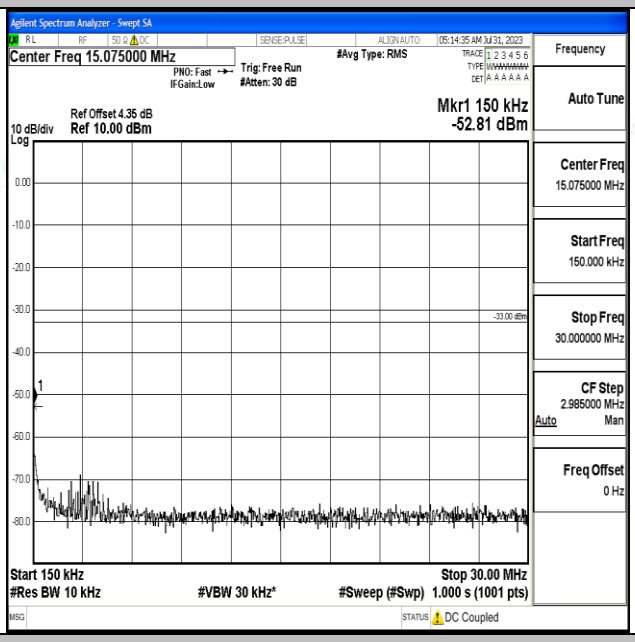
Band4	10MHz	16QAM	20350	1RB#0	0.009~0.15	-68.16	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.15~30	-52.43	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	-53.97	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	-47.54	PASS
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	-30.29	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.009~0.15	-65.55	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.15~30	-52.19	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-53.88	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	-47.88	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	-28.24	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.009~0.15	-64.69	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.15~30	-53.84	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	-53.92	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	-47.93	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	-30.12	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.009~0.15	-65.92	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.15~30	-55.28	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-53.94	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	-48.10	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	-30.41	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.009~0.15	-64.78	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.15~30	-52.53	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	-53.95	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	-47.82	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	-30.71	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.009~0.15	-65.94	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.15~30	-52.18	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-53.86	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	-48.26	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	-29.09	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.009~0.15	-66.09	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.15~30	-52.84	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	-53.83	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	-47.68	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	-28.71	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.009~0.15	-65.63	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.15~30	-52.35	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-53.87	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-39.74	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-28.75	PASS

Band4	20MHz	16QAM	20050	1RB#0	0.009~0.15	-67.84	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.15~30	-52.10	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-53.82	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	-40.55	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	-31.05	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.009~0.15	-66.15	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.15~30	-51.88	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-53.89	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-40.60	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-27.82	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.009~0.15	-65.77	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.15~30	-52.43	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-53.79	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	-41.44	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	-30.68	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.009~0.15	-64.50	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.15~30	-53.46	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-53.91	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-47.92	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-29.47	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.009~0.15	-64.67	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.15~30	-53.87	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-53.88	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	-47.48	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	-32.95	PASS

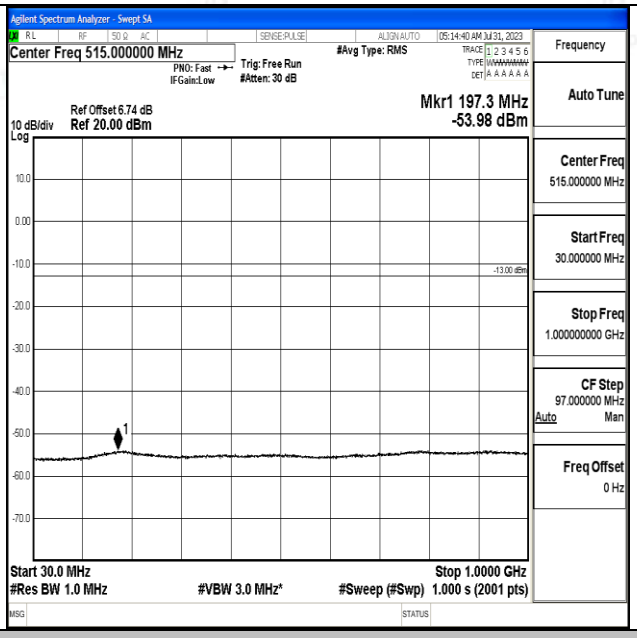
Test Graphs



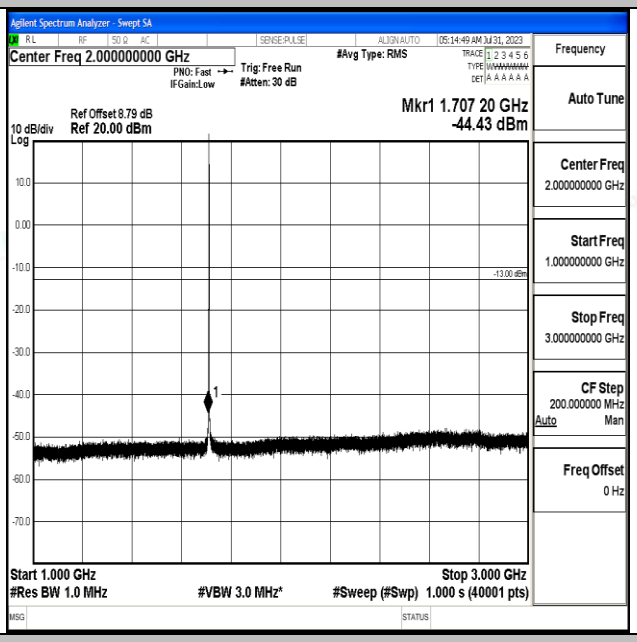
Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.15



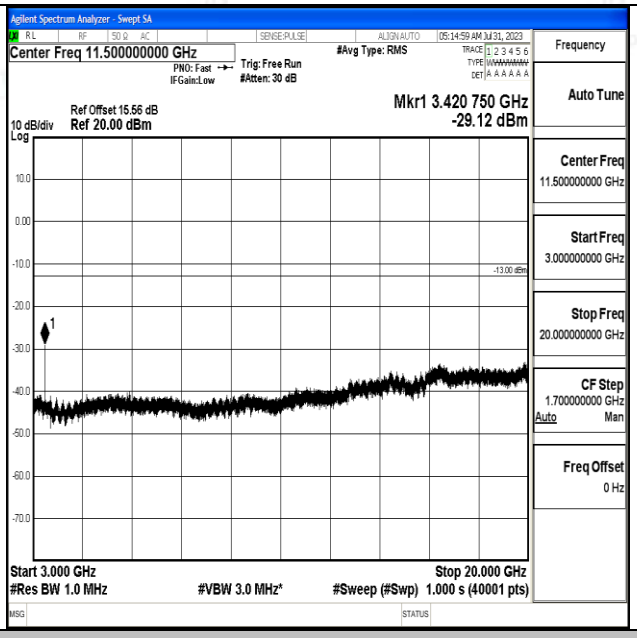
Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30



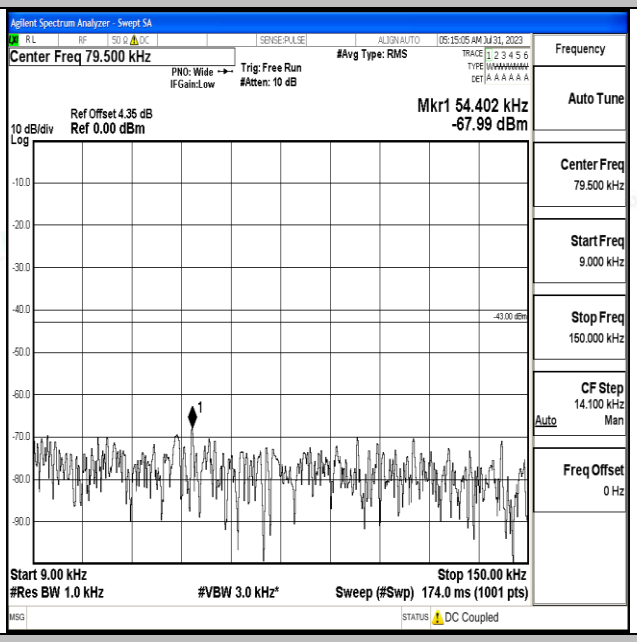
Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000



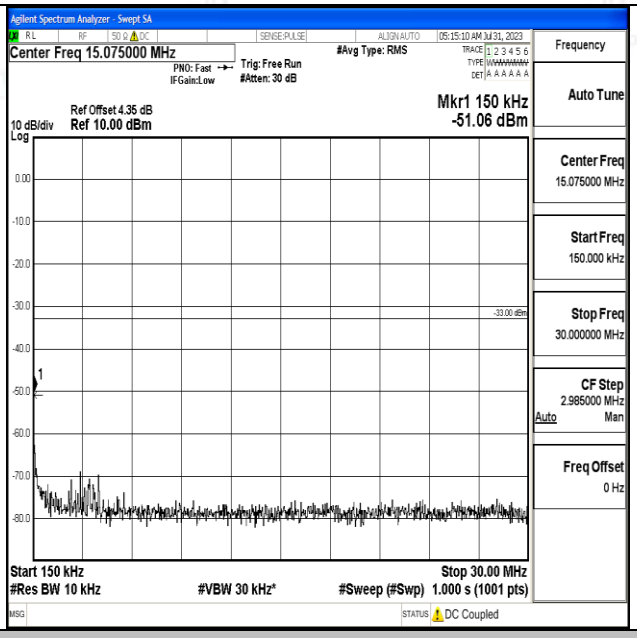
Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~3000



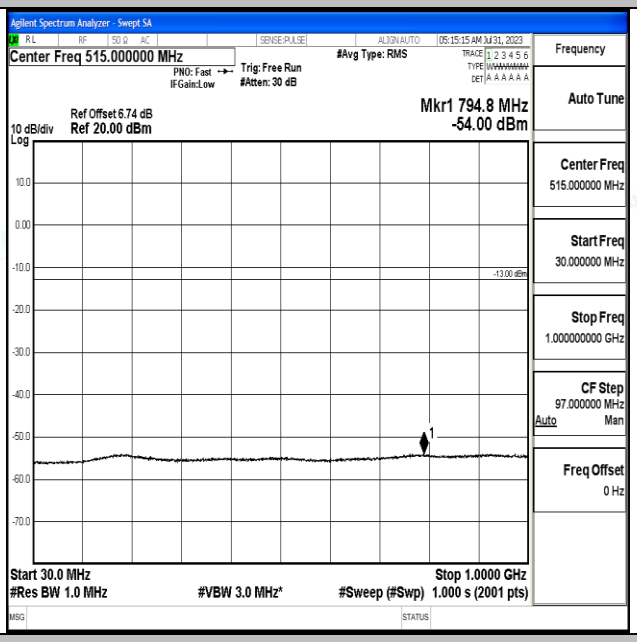
Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20000



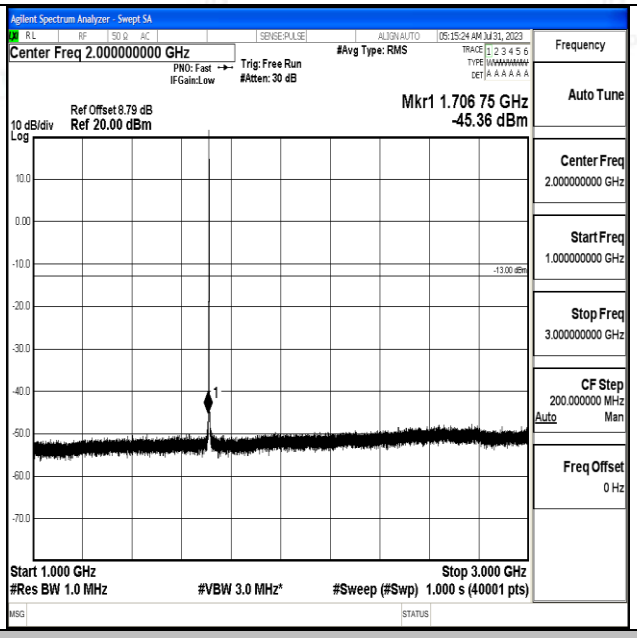
Band4_1.4MHz_16QAM_19957_1RB#0_0.009~0.15_0.009~0.15



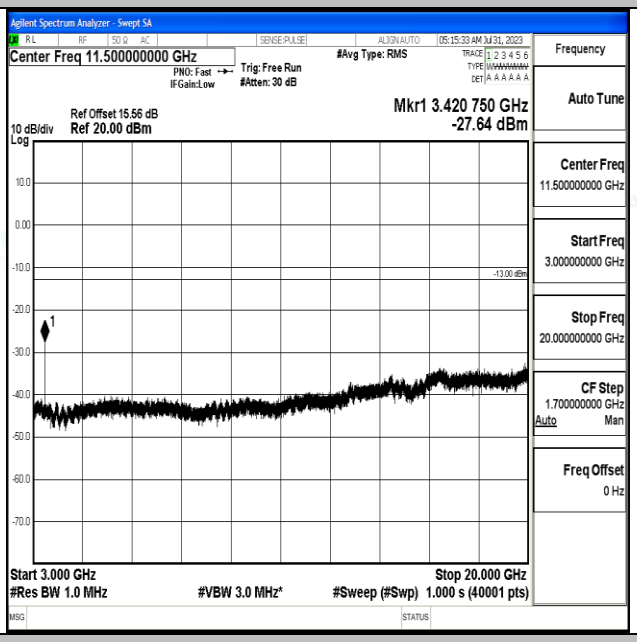
Band4_1.4MHz_16QAM_19957_1RB#0_0.15~30_0.15~30



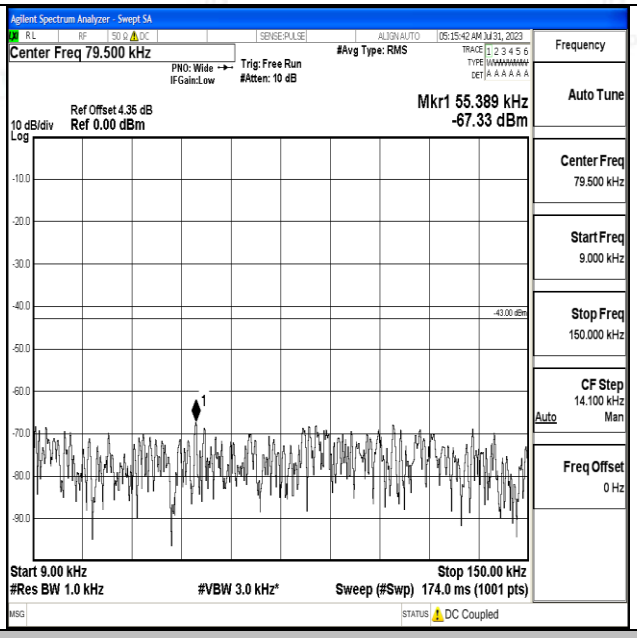
Band4_1.4MHz_16QAM_19957_1RB#0_30~1000_30~1000



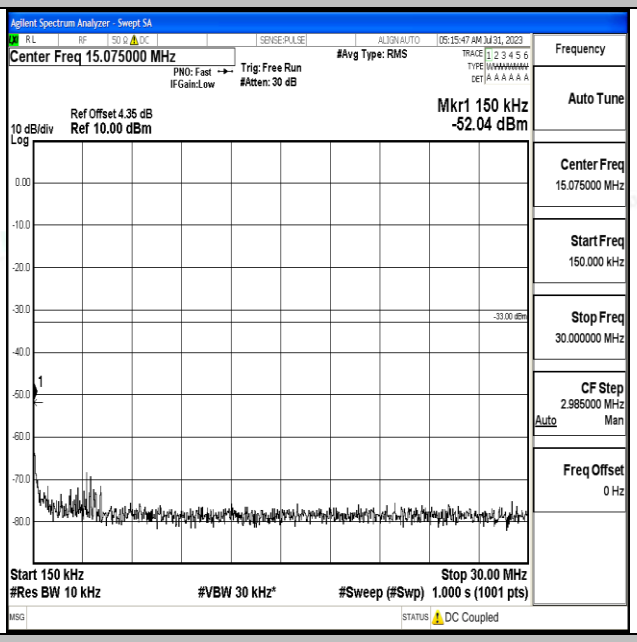
Band4_1.4MHz_16QAM_19957_1RB#0_1000~3000_1000~3000



Band4_1.4MHz_16QAM_19957_1RB#0_3000~20000_3000~20000



Band4_1.4MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_QPSK_20175_1RB#0_0.15~30_0.15~30