

Appendix-LTE Band 4 Test Data

Conducted Test Data

Conducted Output Power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QAM16	23.65	0.5	24.15	30	PASS
Band4	1.4	19957	1	#Mid	QAM16	23.79	0.5	24.29	30	PASS
Band4	1.4	19957	1	#Max	QAM16	23.65	0.5	24.15	30	PASS
Band4	1.4	19957	3	#0	QAM16	23.90	0.5	24.40	30	PASS
Band4	1.4	19957	3	#Mid	QAM16	23.93	0.5	24.43	30	PASS
Band4	1.4	19957	3	#Max	QAM16	23.94	0.5	24.44	30	PASS
Band4	1.4	19957	6	#0	QAM16	22.96	0.5	23.46	30	PASS
Band4	1.4	20175	1	#0	QAM16	23.94	0.5	24.44	30	PASS
Band4	1.4	20175	1	#Mid	QAM16	24.09	0.5	24.59	30	PASS
Band4	1.4	20175	1	#Max	QAM16	23.98	0.5	24.48	30	PASS
Band4	1.4	20175	3	#0	QAM16	23.98	0.5	24.48	30	PASS
Band4	1.4	20175	3	#Mid	QAM16	24.02	0.5	24.52	30	PASS
Band4	1.4	20175	3	#Max	QAM16	23.99	0.5	24.49	30	PASS
Band4	1.4	20175	6	#0	QAM16	23.03	0.5	23.53	30	PASS
Band4	1.4	20393	1	#0	QAM16	24.23	0.5	24.73	30	PASS
Band4	1.4	20393	1	#Mid	QAM16	24.34	0.5	24.84	30	PASS
Band4	1.4	20393	1	#Max	QAM16	24.22	0.5	24.72	30	PASS
Band4	1.4	20393	3	#0	QAM16	24.29	0.5	24.79	30	PASS
Band4	1.4	20393	3	#Mid	QAM16	24.33	0.5	24.83	30	PASS
Band4	1.4	20393	3	#Max	QAM16	24.31	0.5	24.81	30	PASS
Band4	1.4	20393	6	#0	QAM16	23.26	0.5	23.76	30	PASS
Band4	3	19965	1	#0	QAM16	24.04	0.5	24.54	30	PASS
Band4	3	19965	1	#Mid	QAM16	24.30	0.5	24.80	30	PASS
Band4	3	19965	1	#Max	QAM16	23.99	0.5	24.49	30	PASS
Band4	3	19965	8	#0	QAM16	22.85	0.5	23.35	30	PASS
Band4	3	19965	8	#Mid	QAM16	22.88	0.5	23.38	30	PASS
Band4	3	19965	8	#Max	QAM16	22.83	0.5	23.33	30	PASS
Band4	3	19965	15	#0	QAM16	22.79	0.5	23.29	30	PASS
Band4	3	20175	1	#0	QAM16	23.83	0.5	24.33	30	PASS
Band4	3	20175	1	#Mid	QAM16	24.11	0.5	24.61	30	PASS
Band4	3	20175	1	#Max	QAM16	23.78	0.5	24.28	30	PASS
Band4	3	20175	8	#0	QAM16	22.92	0.5	23.42	30	PASS
Band4	3	20175	8	#Mid	QAM16	22.94	0.5	23.44	30	PASS
Band4	3	20175	8	#Max	QAM16	22.90	0.5	23.40	30	PASS

Band4	3	20175	15	#0	QAM16	22.93	0.5	23.43	30	PASS
Band4	3	20385	1	#0	QAM16	24.55	0.5	25.05	30	PASS
Band4	3	20385	1	#Mid	QAM16	24.83	0.5	25.33	30	PASS
Band4	3	20385	1	#Max	QAM16	24.51	0.5	25.01	30	PASS
Band4	3	20385	8	#0	QAM16	23.21	0.5	23.71	30	PASS
Band4	3	20385	8	#Mid	QAM16	23.22	0.5	23.72	30	PASS
Band4	3	20385	8	#Max	QAM16	23.18	0.5	23.68	30	PASS
Band4	3	20385	15	#0	QAM16	23.16	0.5	23.66	30	PASS
Band4	5	19975	1	#0	QAM16	24.17	0.5	24.67	30	PASS
Band4	5	19975	1	#Mid	QAM16	24.51	0.5	25.01	30	PASS
Band4	5	19975	1	#Max	QAM16	24.16	0.5	24.66	30	PASS
Band4	5	19975	12	#0	QAM16	22.72	0.5	23.22	30	PASS
Band4	5	19975	12	#Mid	QAM16	22.79	0.5	23.29	30	PASS
Band4	5	19975	12	#Max	QAM16	22.72	0.5	23.22	30	PASS
Band4	5	19975	25	#0	QAM16	22.71	0.5	23.21	30	PASS
Band4	5	20175	1	#0	QAM16	24.03	0.5	24.53	30	PASS
Band4	5	20175	1	#Mid	QAM16	24.41	0.5	24.91	30	PASS
Band4	5	20175	1	#Max	QAM16	24.03	0.5	24.53	30	PASS
Band4	5	20175	12	#0	QAM16	22.73	0.5	23.23	30	PASS
Band4	5	20175	12	#Mid	QAM16	22.78	0.5	23.28	30	PASS
Band4	5	20175	12	#Max	QAM16	22.72	0.5	23.22	30	PASS
Band4	5	20175	25	#0	QAM16	22.80	0.5	23.30	30	PASS
Band4	5	20305	1	#0	QAM16	24.28	0.5	24.78	30	PASS
Band4	5	20305	1	#Mid	QAM16	24.51	0.5	25.01	30	PASS
Band4	5	20305	1	#Max	QAM16	24.26	0.5	24.76	30	PASS
Band4	5	20305	12	#0	QAM16	23.05	0.5	23.55	30	PASS
Band4	5	20305	12	#Mid	QAM16	23.13	0.5	23.63	30	PASS
Band4	5	20305	12	#Max	QAM16	23.05	0.5	23.55	30	PASS
Band4	5	20305	25	#0	QAM16	23.05	0.5	23.55	30	PASS
Band4	10	20000	1	#0	QAM16	24.12	0.5	24.62	30	PASS
Band4	10	20000	1	#Mid	QAM16	24.36	0.5	24.86	30	PASS
Band4	10	20000	1	#Max	QAM16	24.20	0.5	24.70	30	PASS
Band4	10	20000	25	#0	QAM16	22.84	0.5	23.34	30	PASS
Band4	10	20000	25	#Mid	QAM16	22.82	0.5	23.32	30	PASS
Band4	10	20000	25	#Max	QAM16	22.87	0.5	23.30	30	PASS
Band4	10	20000	50	#0	QAM16	22.83	0.5	23.33	30	PASS
Band4	10	20175	1	#0	QAM16	23.93	0.5	24.43	30	PASS
Band4	10	20175	1	#Mid	QAM16	24.15	0.5	24.65	30	PASS
Band4	10	20175	1	#Max	QAM16	23.98	0.5	24.48	30	PASS
Band4	10	20175	25	#0	QAM16	22.86	0.5	23.36	30	PASS
Band4	10	20175	25	#Mid	QAM16	22.86	0.5	23.36	30	PASS
Band4	10	20175	25	#Max	QAM16	22.87	0.5	23.30	30	PASS
Band4	10	20175	50	#0	QAM16	22.89	0.5	23.39	30	PASS
Band4	10	20350	1	#0	QAM16	23.95	0.5	24.45	30	PASS
Band4	10	20350	1	#Mid	QAM16	24.10	0.5	24.60	30	PASS

Band4	10	20350	1	#Max	QAM16	23.92	0.5	24.42	30	PASS
Band4	10	20350	25	#0	QAM16	23.15	0.5	23.65	30	PASS
Band4	10	20350	25	#Mid	QAM16	23.10	0.5	23.60	30	PASS
Band4	10	20350	25	#Max	QAM16	23.11	0.5	23.61	30	PASS
Band4	10	20350	50	#0	QAM16	23.10	0.5	23.60	30	PASS
Band4	15	20025	1	#0	QAM16	23.97	0.5	24.47	30	PASS
Band4	15	20025	1	#Mid	QAM16	24.40	0.5	24.90	30	PASS
Band4	15	20025	1	#Max	QAM16	23.95	0.5	24.45	30	PASS
Band4	15	20025	36	#0	QAM16	22.78	0.5	23.28	30	PASS
Band4	15	20025	36	#Mid	QAM16	22.91	0.5	23.41	30	PASS
Band4	15	20025	36	#Max	QAM16	22.84	0.5	23.34	30	PASS
Band4	15	20025	75	#0	QAM16	22.78	0.5	23.28	30	PASS
Band4	15	20175	1	#0	QAM16	23.77	0.5	24.27	30	PASS
Band4	15	20175	1	#Mid	QAM16	24.29	0.5	24.79	30	PASS
Band4	15	20175	1	#Max	QAM16	23.83	0.5	24.33	30	PASS
Band4	15	20175	36	#0	QAM16	22.87	0.5	23.30	30	PASS
Band4	15	20175	36	#Mid	QAM16	22.91	0.5	23.41	30	PASS
Band4	15	20175	36	#Max	QAM16	22.91	0.5	23.41	30	PASS
Band4	15	20175	75	#0	QAM16	22.84	0.5	23.34	30	PASS
Band4	15	20325	1	#0	QAM16	23.97	0.5	24.47	30	PASS
Band4	15	20325	1	#Mid	QAM16	24.42	0.5	24.92	30	PASS
Band4	15	20325	1	#Max	QAM16	23.92	0.5	24.42	30	PASS
Band4	15	20325	36	#0	QAM16	23.07	0.5	23.57	30	PASS
Band4	15	20325	36	#Mid	QAM16	23.08	0.5	23.58	30	PASS
Band4	15	20325	36	#Max	QAM16	23.00	0.5	23.50	30	PASS
Band4	15	20325	75	#0	QAM16	23.11	0.5	23.61	30	PASS
Band4	20	20050	1	#0	QAM16	23.75	0.5	24.25	30	PASS
Band4	20	20050	1	#Mid	QAM16	24.25	0.5	24.75	30	PASS
Band4	20	20050	1	#Max	QAM16	23.70	0.5	24.20	30	PASS
Band4	20	20050	50	#0	QAM16	22.79	0.5	23.29	30	PASS
Band4	20	20050	50	#Mid	QAM16	22.83	0.5	23.33	30	PASS
Band4	20	20050	50	#Max	QAM16	22.84	0.5	23.34	30	PASS
Band4	20	20050	100	#0	QAM16	22.78	0.5	23.28	30	PASS
Band4	20	20175	1	#0	QAM16	23.74	0.5	24.24	30	PASS
Band4	20	20175	1	#Mid	QAM16	24.19	0.5	24.69	30	PASS
Band4	20	20175	1	#Max	QAM16	23.80	0.5	24.30	30	PASS
Band4	20	20175	50	#0	QAM16	22.77	0.5	23.27	30	PASS
Band4	20	20175	50	#Mid	QAM16	22.77	0.5	23.27	30	PASS
Band4	20	20175	50	#Max	QAM16	22.83	0.5	23.33	30	PASS
Band4	20	20175	100	#0	QAM16	22.84	0.5	23.34	30	PASS
Band4	20	20300	1	#0	QAM16	23.86	0.5	24.36	30	PASS
Band4	20	20300	1	#Mid	QAM16	24.43	0.5	24.93	30	PASS
Band4	20	20300	1	#Max	QAM16	23.94	0.5	24.44	30	PASS
Band4	20	20300	50	#0	QAM16	23.18	0.5	23.68	30	PASS
Band4	20	20300	50	#Mid	QAM16	23.09	0.5	23.59	30	PASS

Band4	20	20300	50	#Max	QAM16	23.09	0.5	23.59	30	PASS
Band4	20	20300	100	#0	QAM16	23.13	0.5	23.63	30	PASS
Band4	1.4	19957	1	#0	QPSK	24.82	0.5	25.32	30	PASS
Band4	1.4	19957	1	#Mid	QPSK	25.00	0.5	25.50	30	PASS
Band4	1.4	19957	1	#Max	QPSK	24.83	0.5	25.33	30	PASS
Band4	1.4	19957	3	#0	QPSK	24.83	0.5	25.33	30	PASS
Band4	1.4	19957	3	#Mid	QPSK	24.83	0.5	25.33	30	PASS
Band4	1.4	19957	3	#Max	QPSK	24.83	0.5	25.33	30	PASS
Band4	1.4	19957	6	#0	QPSK	23.83	0.5	24.33	30	PASS
Band4	1.4	20175	1	#0	QPSK	24.97	0.5	25.47	30	PASS
Band4	1.4	20175	1	#Mid	QPSK	25.12	0.5	25.62	30	PASS
Band4	1.4	20175	1	#Max	QPSK	24.96	0.5	25.46	30	PASS
Band4	1.4	20175	3	#0	QPSK	24.88	0.5	25.38	30	PASS
Band4	1.4	20175	3	#Mid	QPSK	24.88	0.5	25.38	30	PASS
Band4	1.4	20175	3	#Max	QPSK	24.91	0.5	25.41	30	PASS
Band4	1.4	20175	6	#0	QPSK	23.97	0.5	24.47	30	PASS
Band4	1.4	20393	1	#0	QPSK	25.07	0.5	25.57	30	PASS
Band4	1.4	20393	1	#Mid	QPSK	25.22	0.5	25.72	30	PASS
Band4	1.4	20393	1	#Max	QPSK	25.05	0.5	25.55	30	PASS
Band4	1.4	20393	3	#0	QPSK	25.15	0.5	25.65	30	PASS
Band4	1.4	20393	3	#Mid	QPSK	25.17	0.5	25.67	30	PASS
Band4	1.4	20393	3	#Max	QPSK	25.12	0.5	25.62	30	PASS
Band4	1.4	20393	6	#0	QPSK	24.14	0.5	24.64	30	PASS
Band4	3	19965	1	#0	QPSK	24.88	0.5	25.38	30	PASS
Band4	3	19965	1	#Mid	QPSK	25.12	0.5	25.62	30	PASS
Band4	3	19965	1	#Max	QPSK	24.88	0.5	25.38	30	PASS
Band4	3	19965	8	#0	QPSK	23.86	0.5	24.36	30	PASS
Band4	3	19965	8	#Mid	QPSK	23.91	0.5	24.41	30	PASS
Band4	3	19965	8	#Max	QPSK	23.89	0.5	24.39	30	PASS
Band4	3	19965	15	#0	QPSK	23.84	0.5	24.34	30	PASS
Band4	3	20175	1	#0	QPSK	25.05	0.5	25.55	30	PASS
Band4	3	20175	1	#Mid	QPSK	25.32	0.5	25.82	30	PASS
Band4	3	20175	1	#Max	QPSK	25.05	0.5	25.55	30	PASS
Band4	3	20175	8	#0	QPSK	23.98	0.5	24.48	30	PASS
Band4	3	20175	8	#Mid	QPSK	24.02	0.5	24.52	30	PASS
Band4	3	20175	8	#Max	QPSK	23.95	0.5	24.45	30	PASS
Band4	3	20175	15	#0	QPSK	23.93	0.5	24.43	30	PASS
Band4	3	20385	1	#0	QPSK	25.16	0.5	25.66	30	PASS
Band4	3	20385	1	#Mid	QPSK	25.51	0.5	26.01	30	PASS
Band4	3	20385	1	#Max	QPSK	25.15	0.5	25.65	30	PASS
Band4	3	20385	8	#0	QPSK	24.23	0.5	24.73	30	PASS
Band4	3	20385	8	#Mid	QPSK	24.25	0.5	24.75	30	PASS
Band4	3	20385	8	#Max	QPSK	24.22	0.5	24.72	30	PASS
Band4	3	20385	15	#0	QPSK	24.18	0.5	24.68	30	PASS
Band4	5	19975	1	#0	QPSK	24.72	0.5	25.22	30	PASS

Band4	5	19975	1	#Mid	QPSK	25.01	0.5	25.51	30	PASS
Band4	5	19975	1	#Max	QPSK	24.73	0.5	25.23	30	PASS
Band4	5	19975	12	#0	QPSK	23.74	0.5	24.24	30	PASS
Band4	5	19975	12	#Mid	QPSK	23.81	0.5	24.31	30	PASS
Band4	5	19975	12	#Max	QPSK	23.78	0.5	24.28	30	PASS
Band4	5	19975	25	#0	QPSK	23.75	0.5	24.25	30	PASS
Band4	5	20175	1	#0	QPSK	24.82	0.5	25.32	30	PASS
Band4	5	20175	1	#Mid	QPSK	25.09	0.5	25.59	30	PASS
Band4	5	20175	1	#Max	QPSK	24.81	0.5	25.31	30	PASS
Band4	5	20175	12	#0	QPSK	23.85	0.5	24.35	30	PASS
Band4	5	20175	12	#Mid	QPSK	23.91	0.5	24.41	30	PASS
Band4	5	20175	12	#Max	QPSK	23.84	0.5	24.34	30	PASS
Band4	5	20175	25	#0	QPSK	23.87	0.5	24.30	30	PASS
Band4	5	20305	1	#0	QPSK	24.97	0.5	25.47	30	PASS
Band4	5	20305	1	#Mid	QPSK	25.28	0.5	25.78	30	PASS
Band4	5	20305	1	#Max	QPSK	24.96	0.5	25.46	30	PASS
Band4	5	20305	12	#0	QPSK	24.06	0.5	24.56	30	PASS
Band4	5	20305	12	#Mid	QPSK	24.15	0.5	24.65	30	PASS
Band4	5	20305	12	#Max	QPSK	24.08	0.5	24.58	30	PASS
Band4	5	20305	25	#0	QPSK	24.10	0.5	24.60	30	PASS
Band4	10	20000	1	#0	QPSK	24.73	0.5	25.23	30	PASS
Band4	10	20000	1	#Mid	QPSK	25.04	0.5	25.54	30	PASS
Band4	10	20000	1	#Max	QPSK	24.88	0.5	25.38	30	PASS
Band4	10	20000	25	#0	QPSK	23.82	0.5	24.32	30	PASS
Band4	10	20000	25	#Mid	QPSK	23.86	0.5	24.36	30	PASS
Band4	10	20000	25	#Max	QPSK	23.91	0.5	24.41	30	PASS
Band4	10	20000	50	#0	QPSK	23.85	0.5	24.35	30	PASS
Band4	10	20175	1	#0	QPSK	24.88	0.5	25.38	30	PASS
Band4	10	20175	1	#Mid	QPSK	25.10	0.5	25.60	30	PASS
Band4	10	20175	1	#Max	QPSK	24.86	0.5	25.36	30	PASS
Band4	10	20175	25	#0	QPSK	23.95	0.5	24.45	30	PASS
Band4	10	20175	25	#Mid	QPSK	23.91	0.5	24.41	30	PASS
Band4	10	20175	25	#Max	QPSK	23.94	0.5	24.44	30	PASS
Band4	10	20175	50	#0	QPSK	23.90	0.5	24.40	30	PASS
Band4	10	20350	1	#0	QPSK	25.17	0.5	25.67	30	PASS
Band4	10	20350	1	#Mid	QPSK	25.32	0.5	25.82	30	PASS
Band4	10	20350	1	#Max	QPSK	25.09	0.5	25.59	30	PASS
Band4	10	20350	25	#0	QPSK	24.18	0.5	24.68	30	PASS
Band4	10	20350	25	#Mid	QPSK	24.14	0.5	24.64	30	PASS
Band4	10	20350	25	#Max	QPSK	24.13	0.5	24.63	30	PASS
Band4	10	20350	50	#0	QPSK	24.11	0.5	24.61	30	PASS
Band4	15	20025	1	#0	QPSK	24.59	0.5	25.09	30	PASS
Band4	15	20025	1	#Mid	QPSK	25.09	0.5	25.59	30	PASS
Band4	15	20025	1	#Max	QPSK	24.65	0.5	25.15	30	PASS
Band4	15	20025	36	#0	QPSK	23.81	0.5	24.31	30	PASS

Band4	15	20025	36	#Mid	QPSK	23.92	0.5	24.42	30	PASS
Band4	15	20025	36	#Max	QPSK	23.91	0.5	24.41	30	PASS
Band4	15	20025	75	#0	QPSK	23.85	0.5	24.35	30	PASS
Band4	15	20175	1	#0	QPSK	24.69	0.5	25.19	30	PASS
Band4	15	20175	1	#Mid	QPSK	25.22	0.5	25.72	30	PASS
Band4	15	20175	1	#Max	QPSK	24.72	0.5	25.22	30	PASS
Band4	15	20175	36	#0	QPSK	23.92	0.5	24.42	30	PASS
Band4	15	20175	36	#Mid	QPSK	23.96	0.5	24.46	30	PASS
Band4	15	20175	36	#Max	QPSK	23.94	0.5	24.44	30	PASS
Band4	15	20175	75	#0	QPSK	23.90	0.5	24.40	30	PASS
Band4	15	20325	1	#0	QPSK	25.00	0.5	25.50	30	PASS
Band4	15	20325	1	#Mid	QPSK	25.43	0.5	25.93	30	PASS
Band4	15	20325	1	#Max	QPSK	24.93	0.5	25.43	30	PASS
Band4	15	20325	36	#0	QPSK	24.21	0.5	24.71	30	PASS
Band4	15	20325	36	#Mid	QPSK	24.18	0.5	24.68	30	PASS
Band4	15	20325	36	#Max	QPSK	24.08	0.5	24.58	30	PASS
Band4	15	20325	75	#0	QPSK	24.14	0.5	24.64	30	PASS
Band4	20	20050	1	#0	QPSK	24.46	0.5	24.96	30	PASS
Band4	20	20050	1	#Mid	QPSK	25.02	0.5	25.52	30	PASS
Band4	20	20050	1	#Max	QPSK	24.53	0.5	25.03	30	PASS
Band4	20	20050	50	#0	QPSK	23.80	0.5	24.30	30	PASS
Band4	20	20050	50	#Mid	QPSK	23.82	0.5	24.32	30	PASS
Band4	20	20050	50	#Max	QPSK	23.84	0.5	24.34	30	PASS
Band4	20	20050	100	#0	QPSK	23.82	0.5	24.32	30	PASS
Band4	20	20175	1	#0	QPSK	24.64	0.5	25.14	30	PASS
Band4	20	20175	1	#Mid	QPSK	25.06	0.5	25.56	30	PASS
Band4	20	20175	1	#Max	QPSK	24.69	0.5	25.19	30	PASS
Band4	20	20175	50	#0	QPSK	23.81	0.5	24.31	30	PASS
Band4	20	20175	50	#Mid	QPSK	23.82	0.5	24.32	30	PASS
Band4	20	20175	50	#Max	QPSK	23.88	0.5	24.38	30	PASS
Band4	20	20175	100	#0	QPSK	23.87	0.5	24.30	30	PASS
Band4	20	20300	1	#0	QPSK	24.69	0.5	25.19	30	PASS
Band4	20	20300	1	#Mid	QPSK	25.27	0.5	25.77	30	PASS
Band4	20	20300	1	#Max	QPSK	24.73	0.5	25.23	30	PASS
Band4	20	20300	50	#0	QPSK	24.18	0.5	24.68	30	PASS
Band4	20	20300	50	#Mid	QPSK	24.10	0.5	24.60	30	PASS
Band4	20	20300	50	#Max	QPSK	24.11	0.5	24.61	30	PASS
Band4	20	20300	100	#0	QPSK	24.14	0.5	24.64	30	PASS

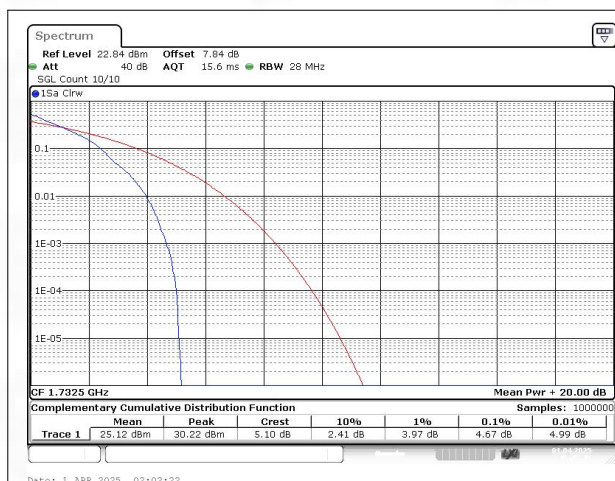
Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band4	20	20175	100	#0	QPSK	VL	NT	-7.25	-0.004	PASS
Band4	20	20175	100	#0	QPSK	VN	NT	-4.86	-0.003	PASS
Band4	20	20175	100	#0	QPSK	VH	NT	-3.12	-0.002	PASS

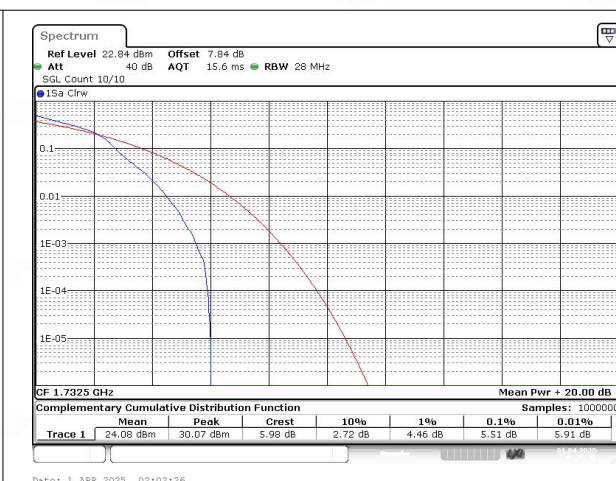
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band4	20	20175	100	#0	QPSK	NV	-30	-5.48	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-3.08	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-7.77	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	0	2.03	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	10	1.04	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-0.03	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-2.69	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	40	2.06	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-0.54	0.001	PASS

Peak-to-Average Ratio

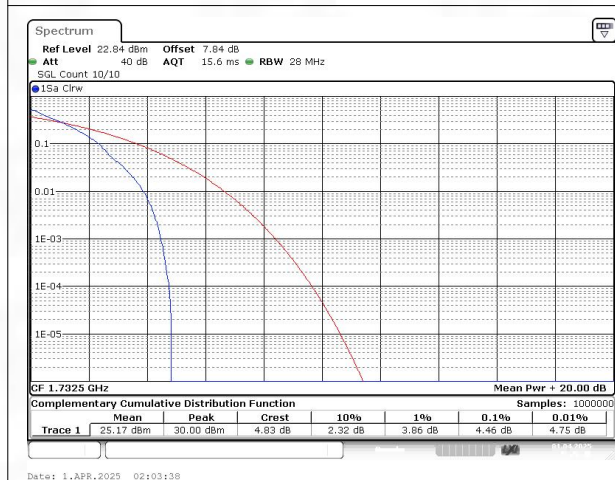
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	20175	1	#0	QAM16	5.51	13	PASS
Band4	3	20175	1	#0	QAM16	5.1	13	PASS
Band4	5	20175	1	#0	QAM16	5.28	13	PASS
Band4	10	20175	1	#0	QAM16	5.57	13	PASS
Band4	15	20175	1	#0	QAM16	5.57	13	PASS
Band4	20	20175	1	#0	QAM16	5.91	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.67	13	PASS
Band4	3	20175	1	#0	QPSK	4.46	13	PASS
Band4	5	20175	1	#0	QPSK	4.7	13	PASS
Band4	10	20175	1	#0	QPSK	4.72	13	PASS
Band4	15	20175	1	#0	QPSK	4.75	13	PASS
Band4	20	20175	1	#0	QPSK	4.93	13	PASS



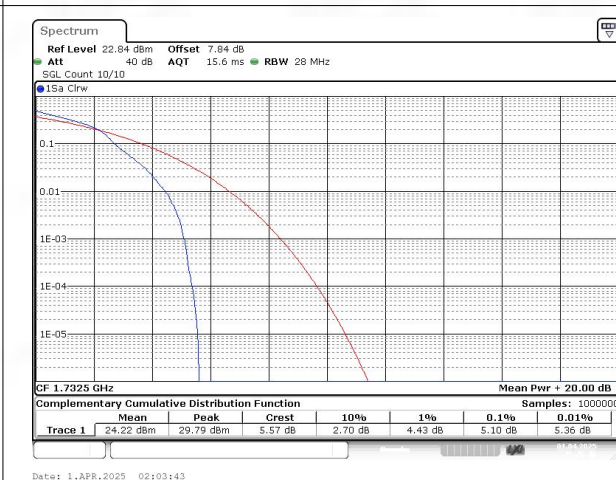
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



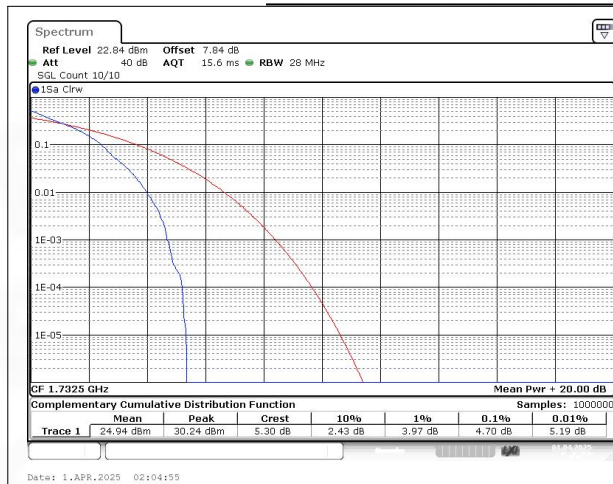
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=1 Position=#0



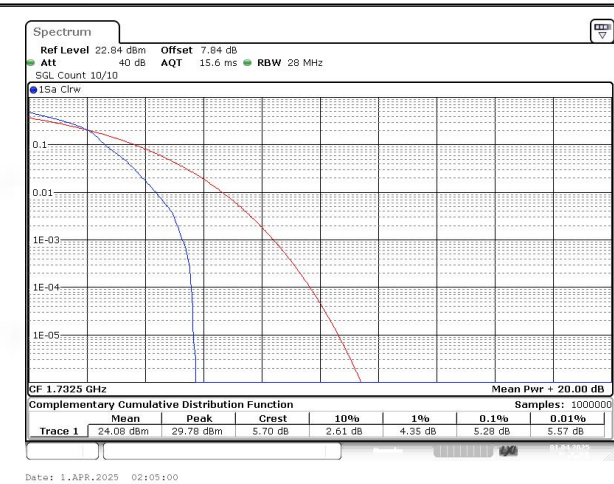
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



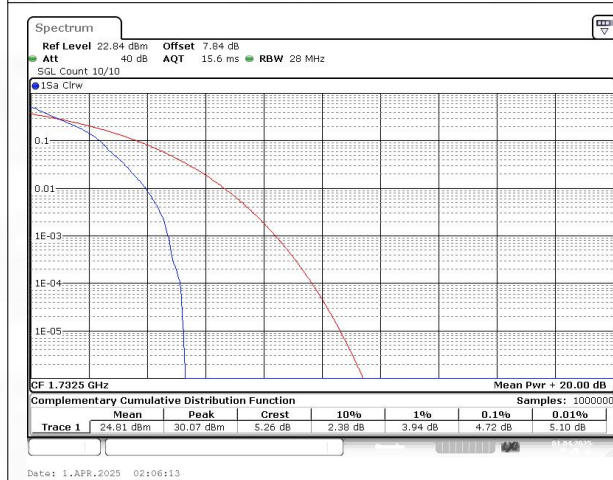
Band4 QAM16 BW=3MHz Channel=20175 RB Size=1 Position=#0



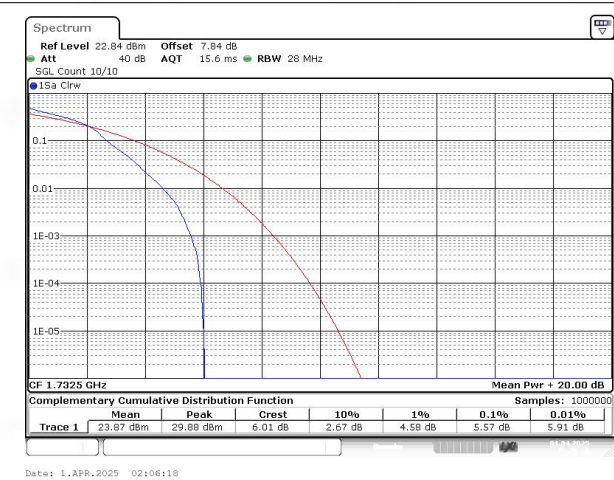
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



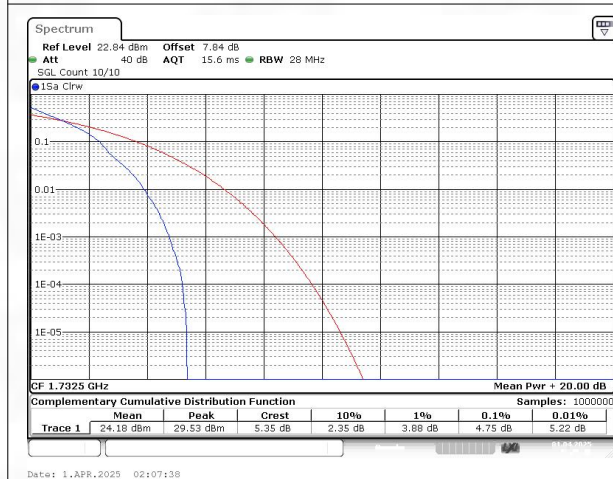
Band4 QAM16 BW=5MHz Channel=20175 RB Size=1 Position=#0



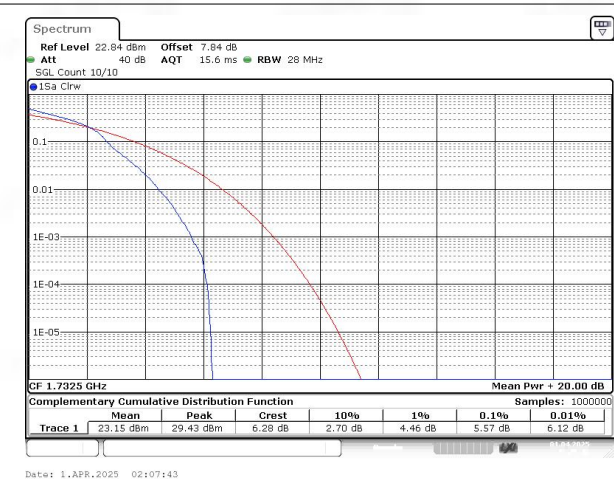
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



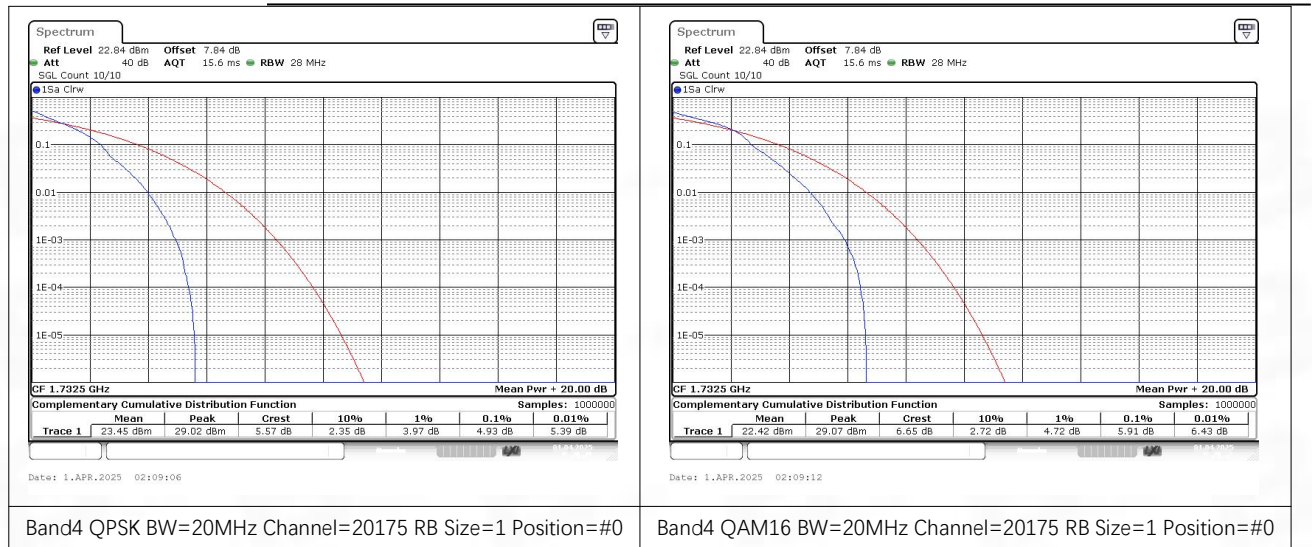
Band4 QAM16 BW=10MHz Channel=20175 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

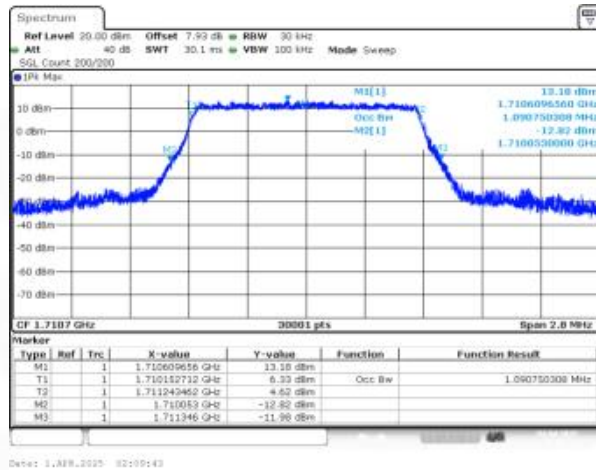


Band4 QAM16 BW=15MHz Channel=20175 RB Size=1 Position=#0

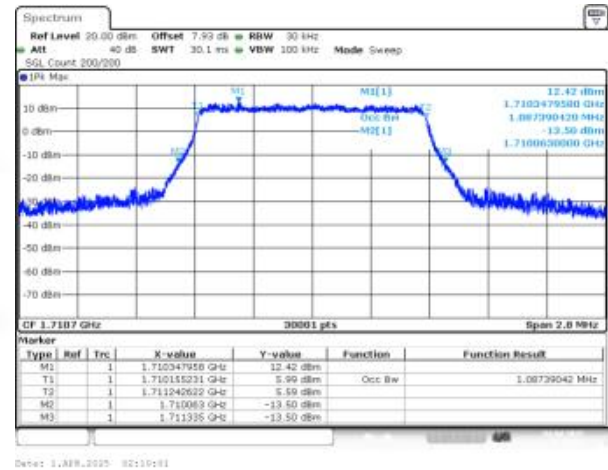


Occupied bandwidth

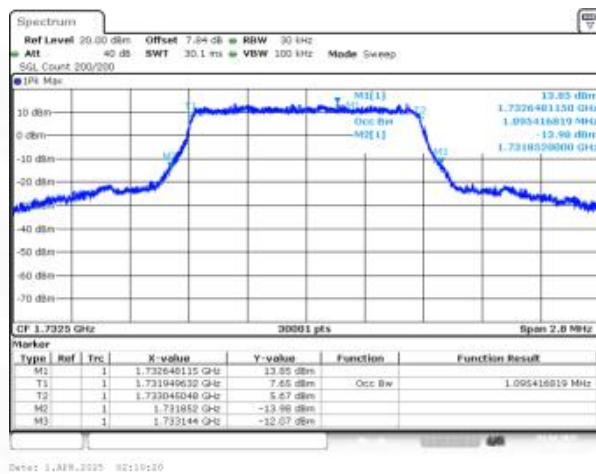
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QAM16	1.087	1.273	PASS
Band4	1.4	20175	6	#0	QAM16	1.094	1.279	PASS
Band4	1.4	20393	6	#0	QAM16	1.096	1.311	PASS
Band4	3	19965	15	#0	QAM16	2.718	2.981	PASS
Band4	3	20175	15	#0	QAM16	2.716	3.003	PASS
Band4	3	20385	15	#0	QAM16	2.715	2.998	PASS
Band4	5	19975	25	#0	QAM16	4.492	4.907	PASS
Band4	5	20175	25	#0	QAM16	4.496	4.934	PASS
Band4	5	20375	25	#0	QAM16	4.496	4.938	PASS
Band4	10	20000	50	#0	QAM16	8.972	9.779	PASS
Band4	10	20175	50	#0	QAM16	8.98	9.778	PASS
Band4	10	20350	50	#0	QAM16	8.978	9.771	PASS
Band4	15	20025	75	#0	QAM16	13.458	14.717	PASS
Band4	15	20175	75	#0	QAM16	13.478	14.644	PASS
Band4	15	20325	75	#0	QAM16	13.471	14.617	PASS
Band4	20	20050	100	#0	QAM16	18.025	19.584	PASS
Band4	20	20175	100	#0	QAM16	18.055	19.616	PASS
Band4	20	20300	100	#0	QAM16	18.041	20.271	PASS
Band4	1.4	19957	6	#0	QPSK	1.091	1.293	PASS
Band4	1.4	20175	6	#0	QPSK	1.095	1.292	PASS
Band4	1.4	20393	6	#0	QPSK	1.091	1.288	PASS
Band4	3	19965	15	#0	QPSK	2.721	2.982	PASS
Band4	3	20175	15	#0	QPSK	2.726	2.988	PASS
Band4	3	20385	15	#0	QPSK	2.72	2.994	PASS
Band4	5	19975	25	#0	QPSK	4.5	4.927	PASS
Band4	5	20175	25	#0	QPSK	4.497	4.946	PASS
Band4	5	20375	25	#0	QPSK	4.492	4.926	PASS
Band4	10	20000	50	#0	QPSK	8.97	9.783	PASS
Band4	10	20175	50	#0	QPSK	8.976	9.965	PASS
Band4	10	20350	50	#0	QPSK	8.986	9.865	PASS
Band4	15	20025	75	#0	QPSK	13.456	14.624	PASS
Band4	15	20175	75	#0	QPSK	13.478	14.659	PASS
Band4	15	20325	75	#0	QPSK	13.466	14.708	PASS
Band4	20	20050	100	#0	QPSK	18.03	19.817	PASS
Band4	20	20175	100	#0	QPSK	18.039	19.581	PASS
Band4	20	20300	100	#0	QPSK	18.033	20.301	PASS



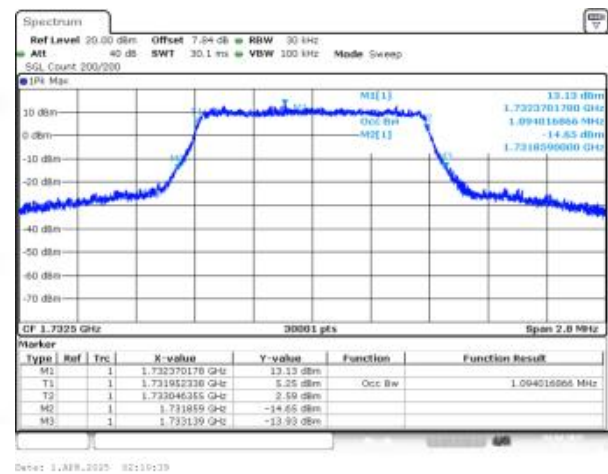
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



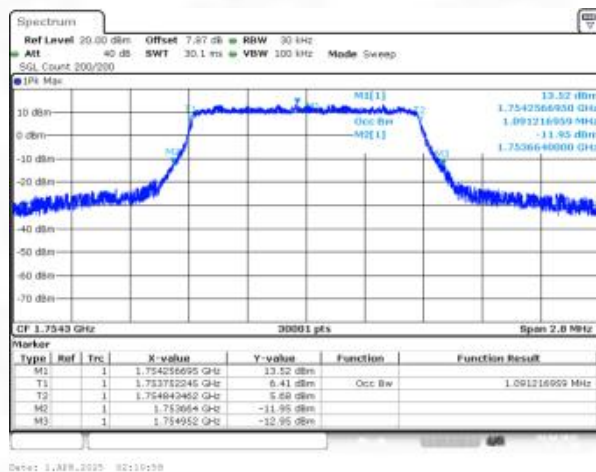
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



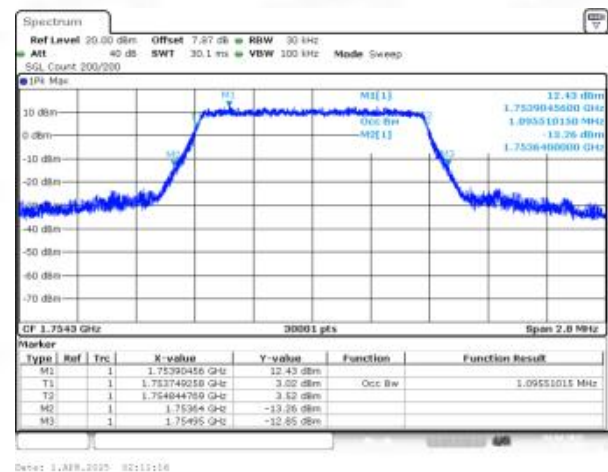
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



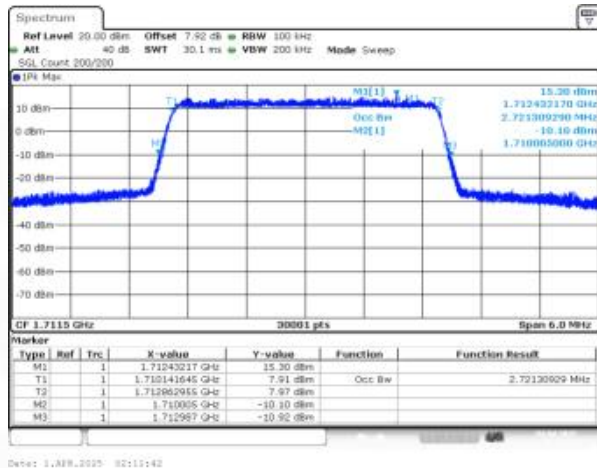
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

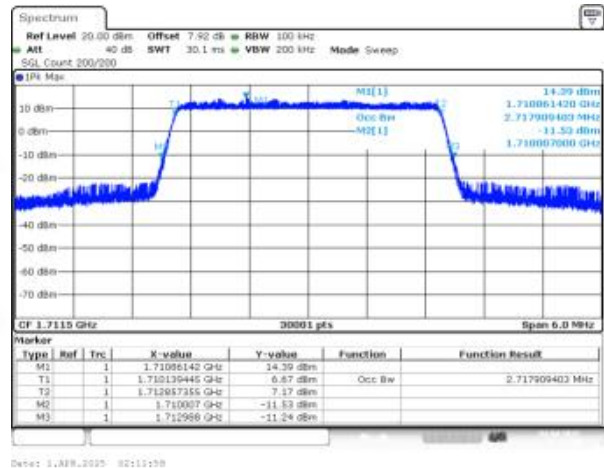


Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



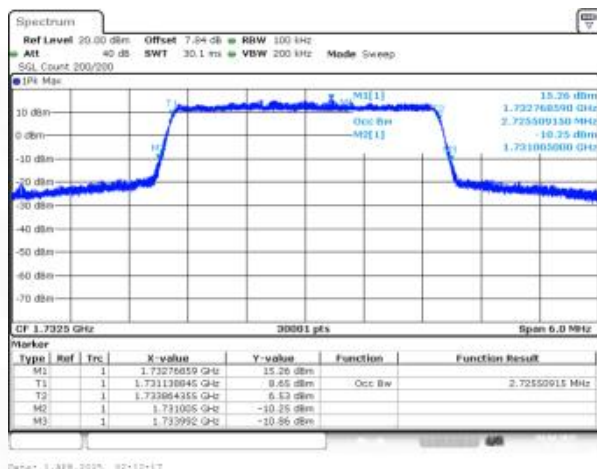
Date: 1,APR,2025 02:11:42

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



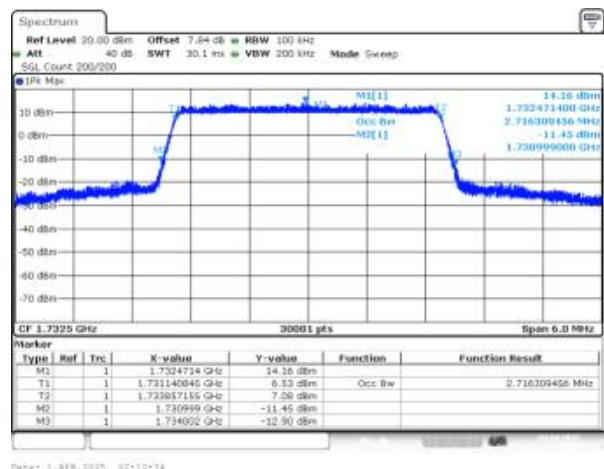
Date: 1,APR,2025 02:11:58

Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



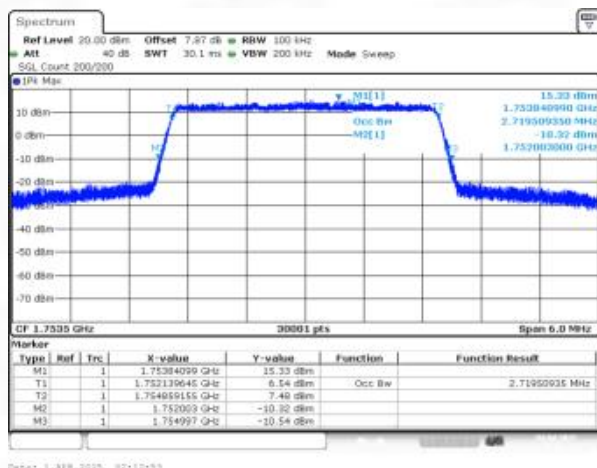
Date: 1,APR,2025 02:12:17

Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



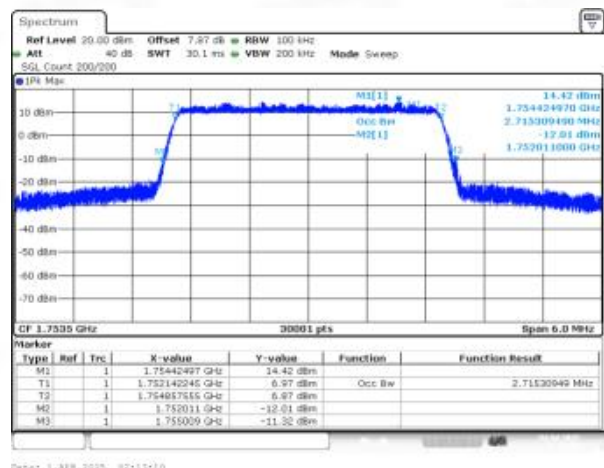
Date: 1,APR,2025 02:12:34

Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



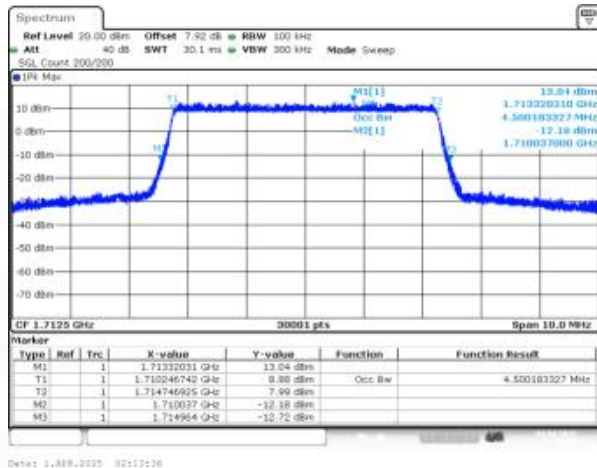
Date: 1,APR,2025 02:12:53

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



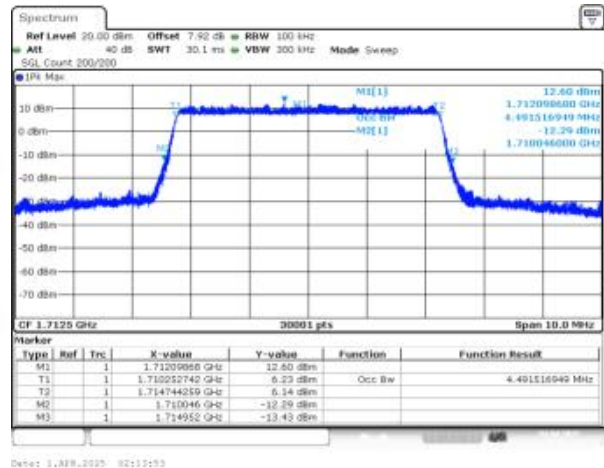
Date: 1,APR,2025 02:13:10

Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



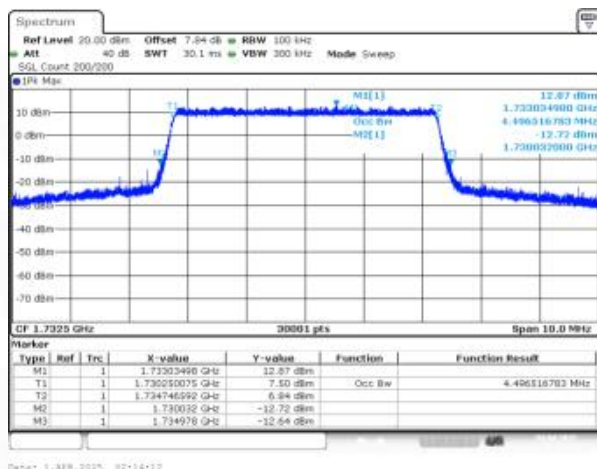
Date: 1, APR, 2025 02:13:36

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



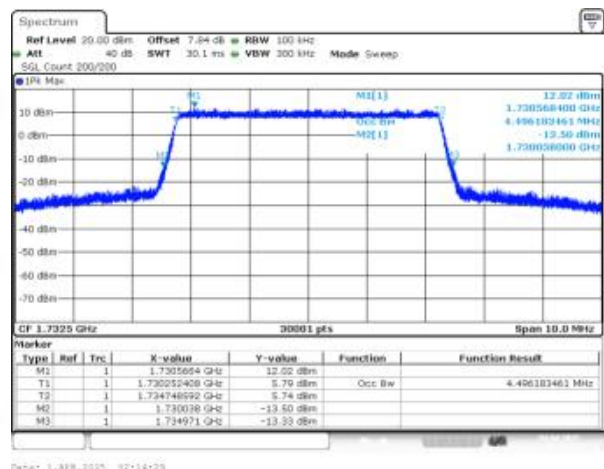
Date: 1, APR, 2025 02:13:33

Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



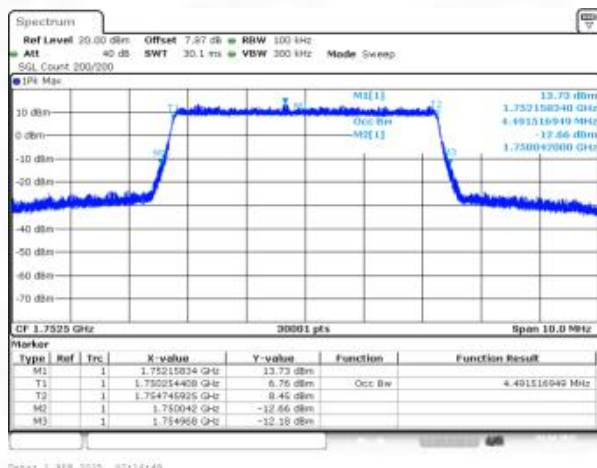
Date: 1, APR, 2025 02:14:12

Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



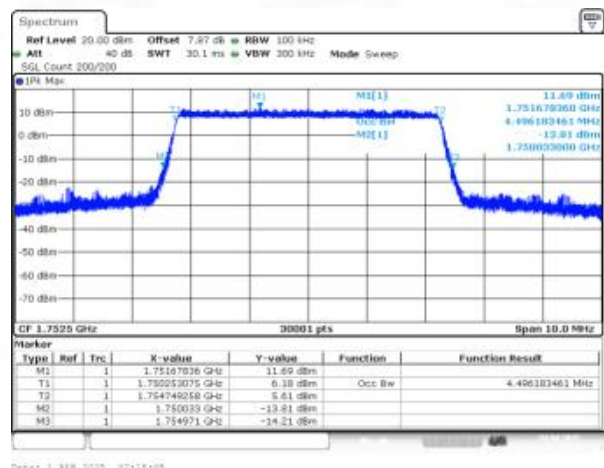
Date: 1, APR, 2025 02:14:29

Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



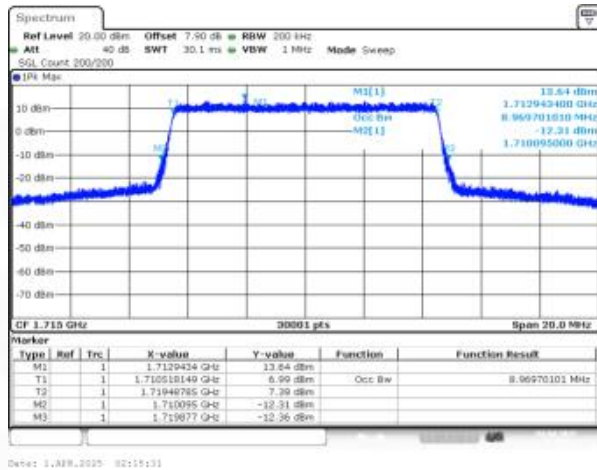
Date: 1, APR, 2025 02:14:49

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

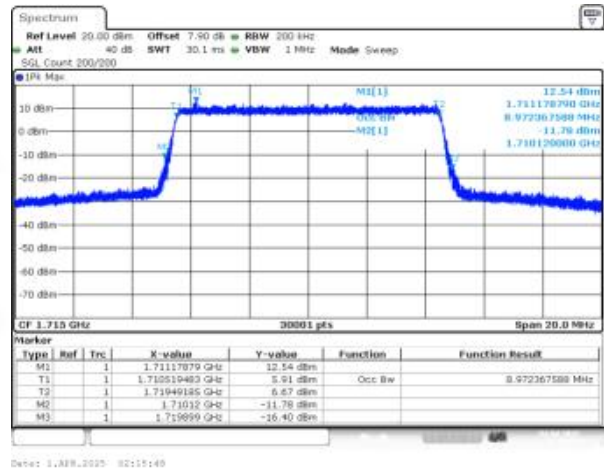


Date: 1, APR, 2025 02:15:05

Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



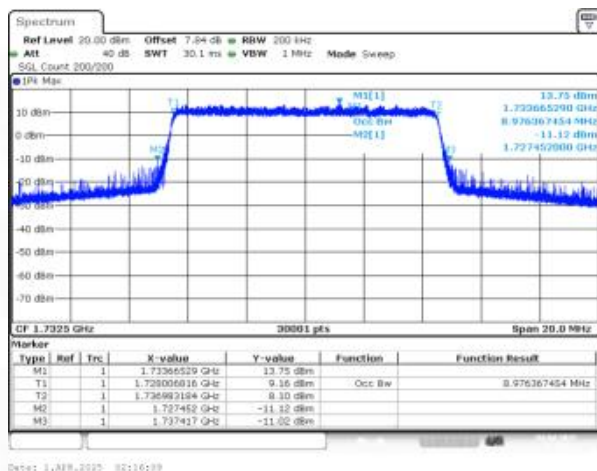
Date: 1, APR, 2025 02:15:33



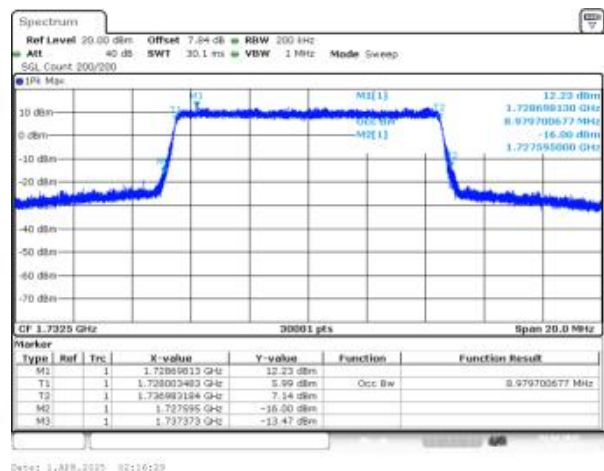
Date: 1, APR, 2025 02:15:48

Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



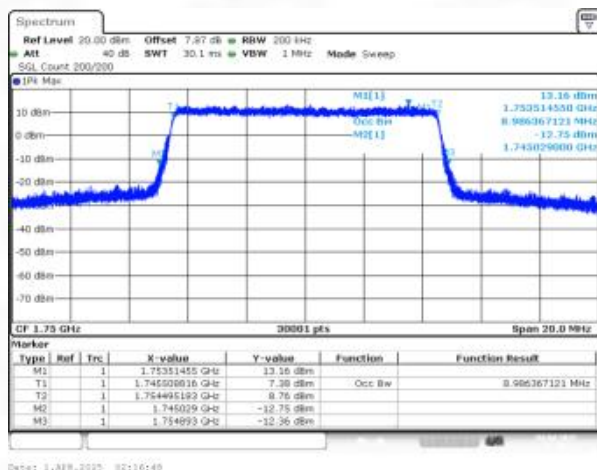
Date: 1, APR, 2025 02:16:29



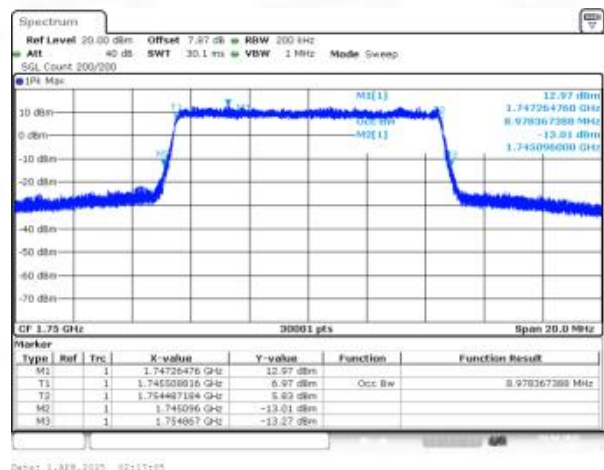
Date: 1, APR, 2025 02:16:29

Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



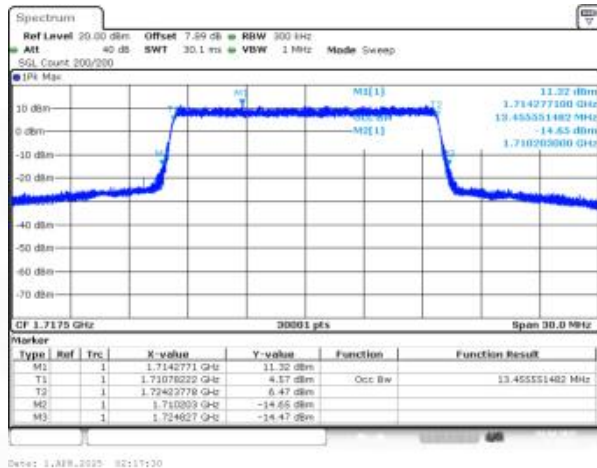
Date: 1, APR, 2025 02:16:49



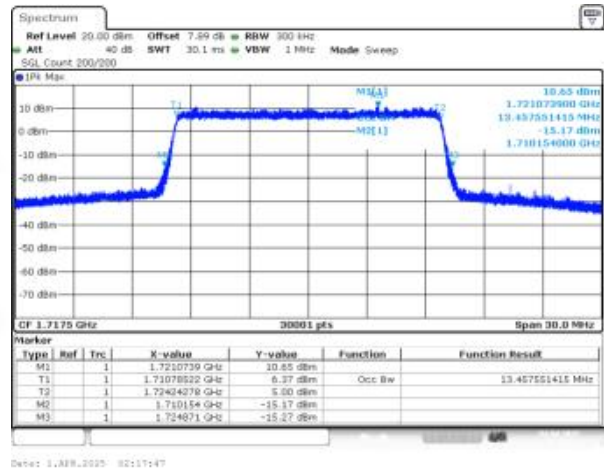
Date: 1, APR, 2025 02:17:05

Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



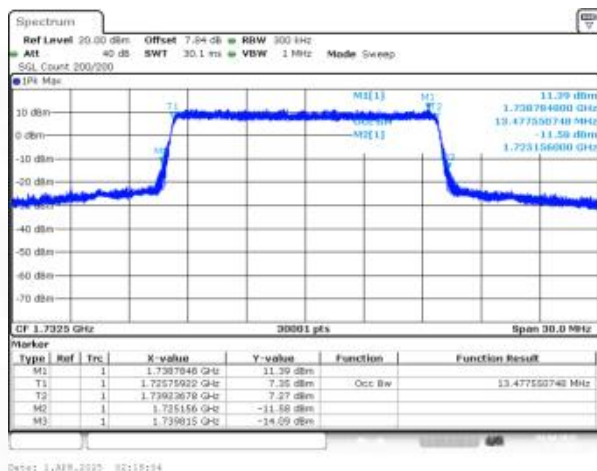
Date: 1, APR, 2025 02:17:30



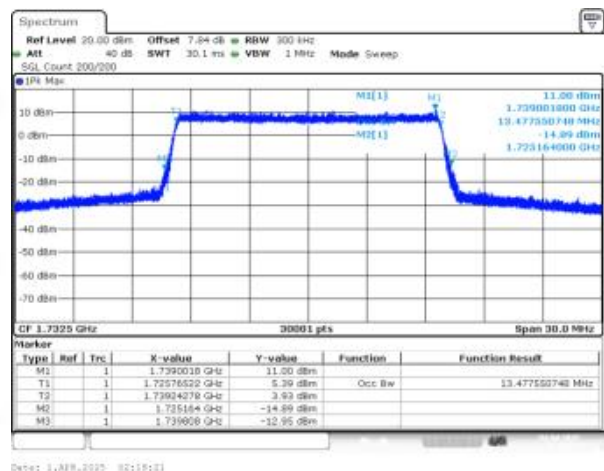
Date: 1, APR, 2025 02:17:47

Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



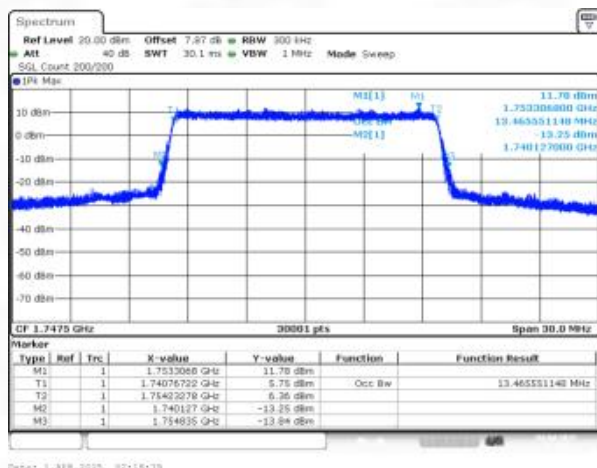
Date: 1, APR, 2025 02:18:24



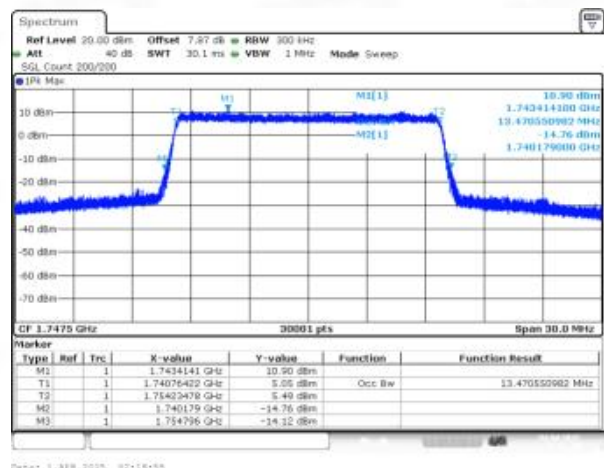
Date: 1, APR, 2025 02:18:21

Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



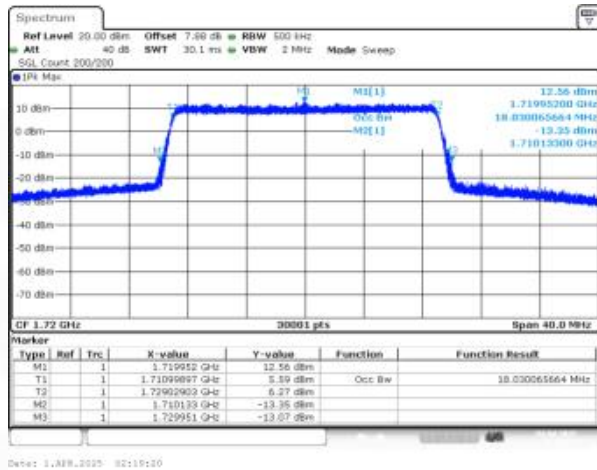
Date: 1, APR, 2025 02:18:39



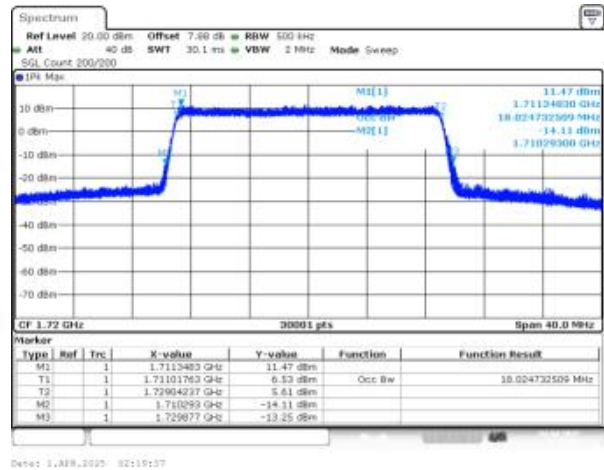
Date: 1, APR, 2025 02:18:55

Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



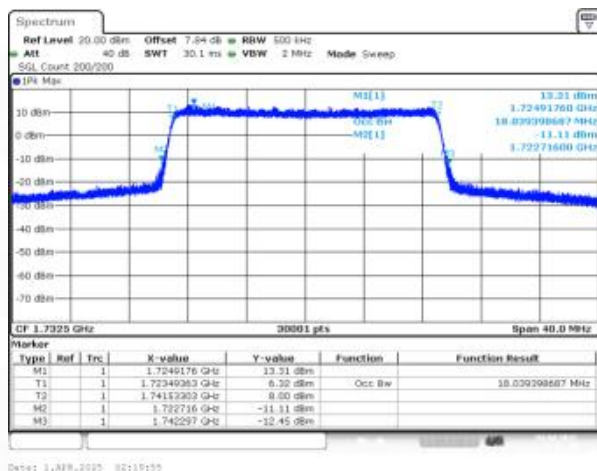
Date: 1,818,2025 02:19:20



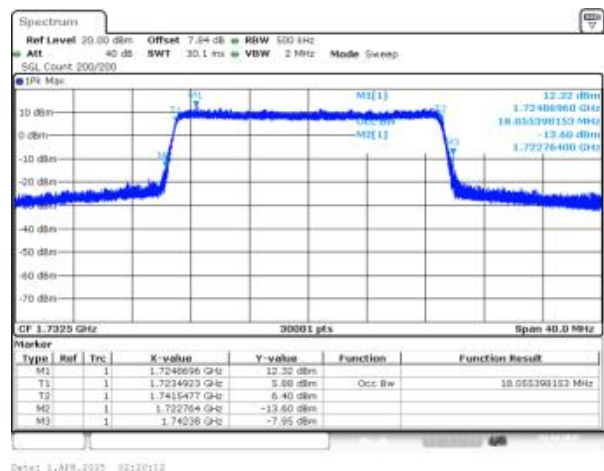
Date: 1,818,2025 02:19:17

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



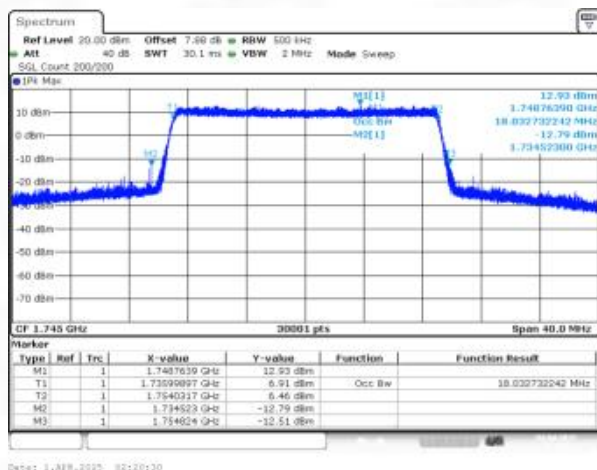
Date: 1,818,2025 02:19:50



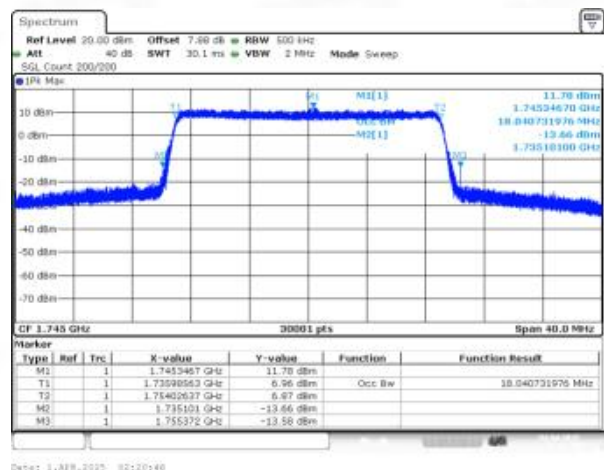
Date: 1,818,2025 02:20:12

Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



Date: 1,818,2025 02:20:30



Date: 1,818,2025 02:20:40

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QAM16	1710	-35.43	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755	-35.05	-13	PASS
Band4	3	19965	15	#0	QAM16	1710	-36.9	-13	PASS
Band4	3	20385	15	#0	QAM16	1755	-37.29	-13	PASS
Band4	5	19975	25	#0	QAM16	1710	-36.11	-13	PASS
Band4	5	20375	25	#0	QAM16	1755	-36.31	-13	PASS
Band4	10	20000	50	#0	QAM16	1710	-36.67	-13	PASS
Band4	10	20350	50	#0	QAM16	1755	-38.92	-13	PASS
Band4	15	20025	75	#0	QAM16	1709.22	-34.12	-13	PASS
Band4	15	20325	75	#0	QAM16	1755.03	-36.84	-13	PASS
Band4	20	20050	100	#0	QAM16	1710	-36.15	-13	PASS
Band4	20	20300	100	#0	QAM16	1755	-38.52	-13	PASS
Band4	1.4	19957	6	#0	QPSK	1710	-33.35	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755	-33.4	-13	PASS
Band4	3	19965	15	#0	QPSK	1710	-35.74	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.01	-35.62	-13	PASS
Band4	5	19975	25	#0	QPSK	1710	-34.72	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.01	-35.92	-13	PASS
Band4	10	20000	50	#0	QPSK	1710	-34.57	-13	PASS
Band4	10	20350	50	#0	QPSK	1755	-36.91	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.43	-31.69	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.69	-33.33	-13	PASS
Band4	20	20050	100	#0	QPSK	1710	-33.55	-13	PASS
Band4	20	20300	100	#0	QPSK	1755	-35.57	-13	PASS



Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



Date: 1, APR, 2025 02:21:40

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



Date: 1, APR, 2025 02:22:01

Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



Date: 1, APR, 2025 02:22:24

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



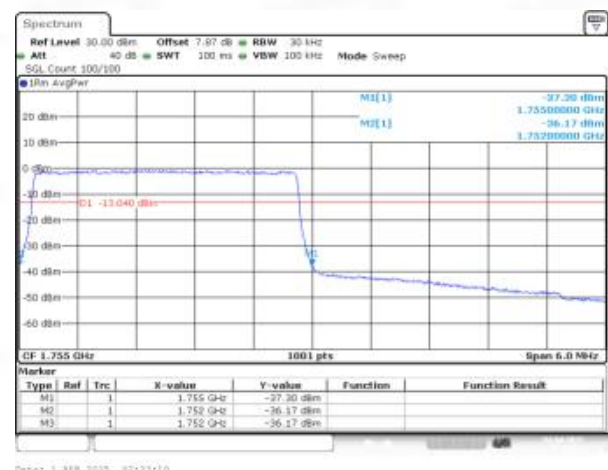
Date: 1, APR, 2025 02:22:39

Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



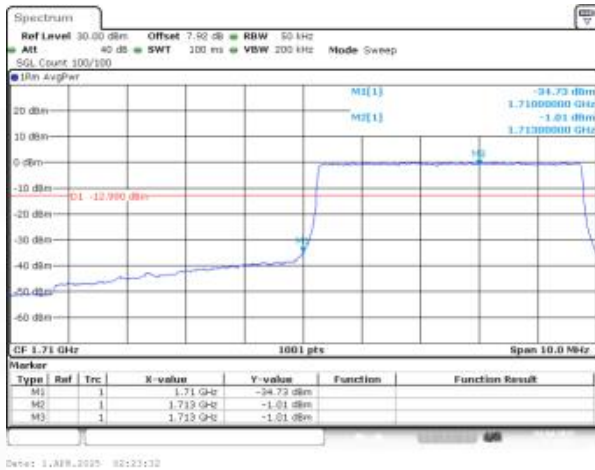
Date: 1, APR, 2025 02:22:55

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



Date: 1, APR, 2025 02:23:10

Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



Date: 1, APR, 2025 02:23:32

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



Date: 1, APR, 2025 02:23:47

Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



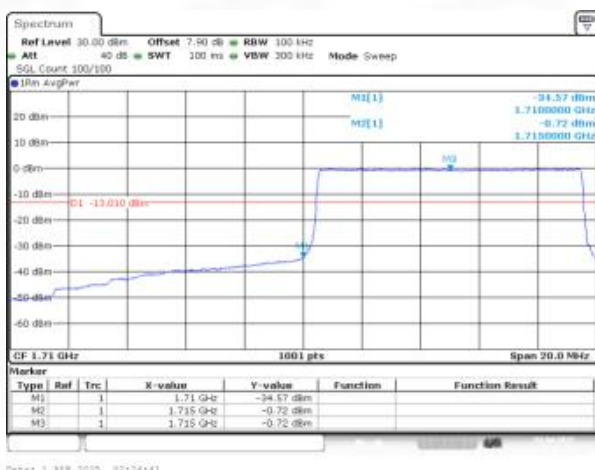
Date: 1, APR, 2025 02:24:03

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



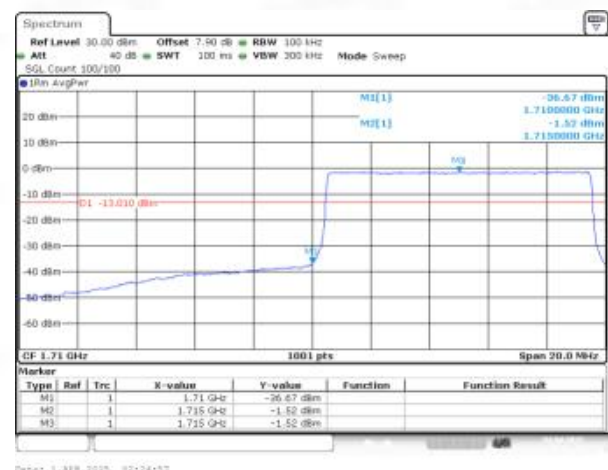
Date: 1, APR, 2025 02:24:18

Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



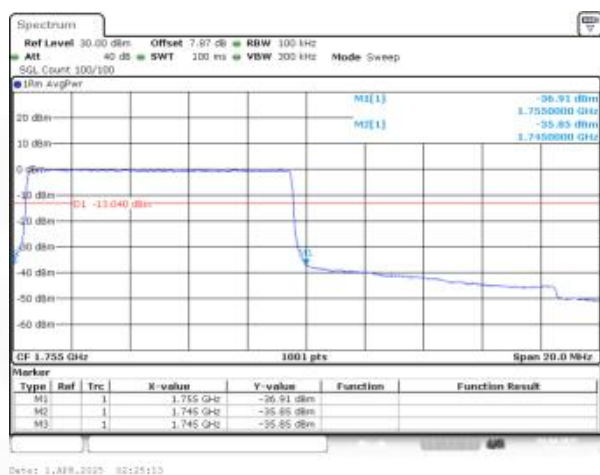
Date: 1, APR, 2025 02:24:41

Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



Date: 1, APR, 2025 02:24:57

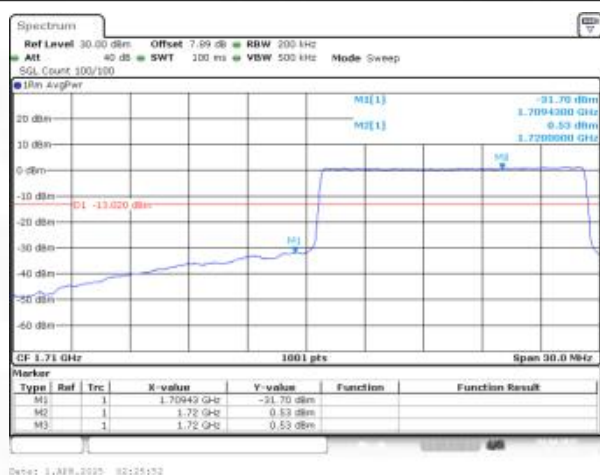
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



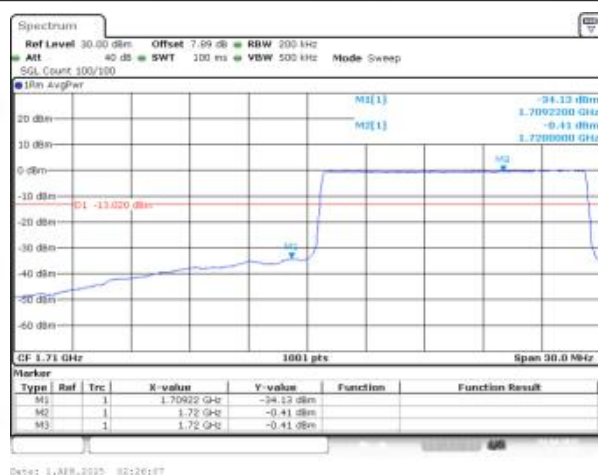
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



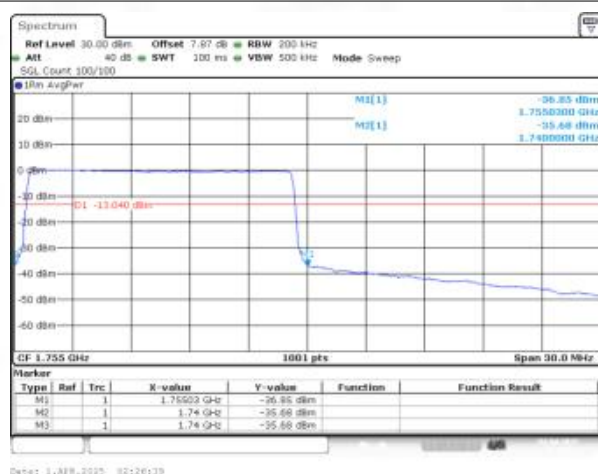
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



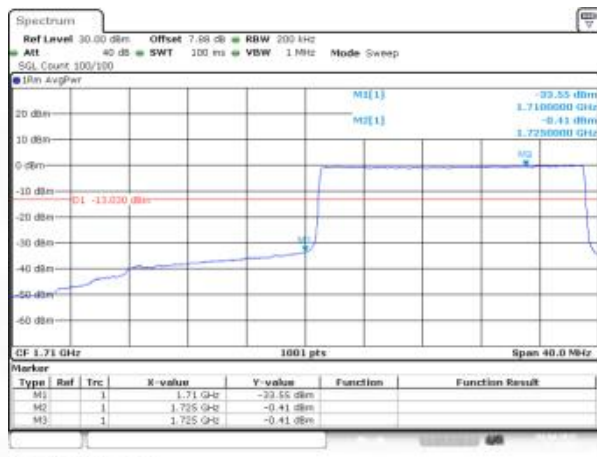
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



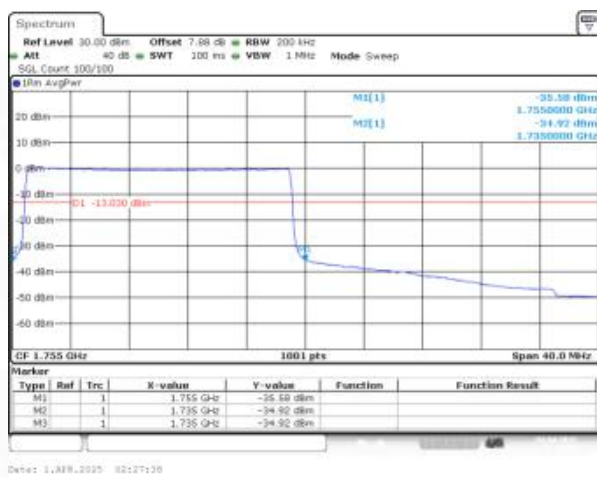
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



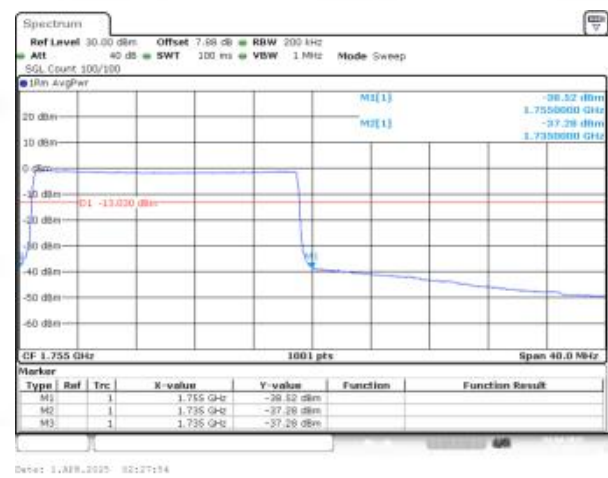
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



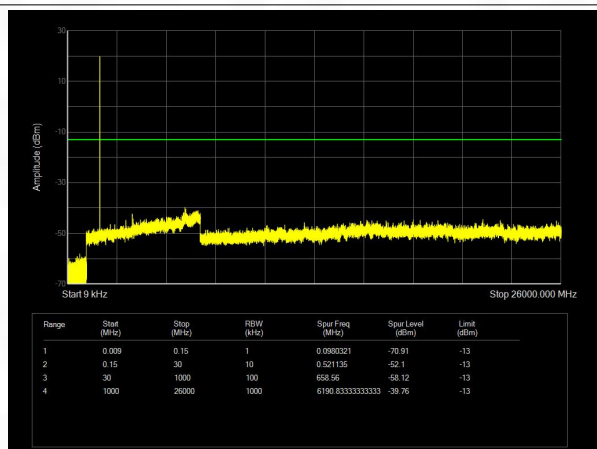
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



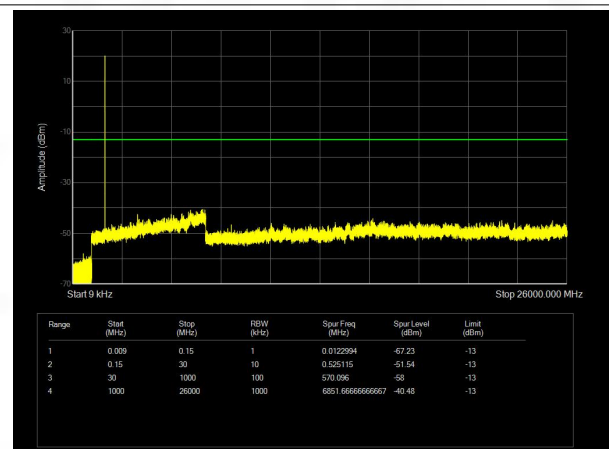
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

Out-of-band emissions

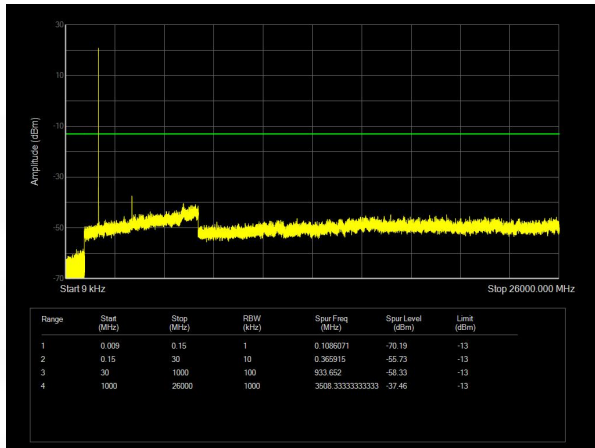
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QAM16	6851.67	-40.48	-13	PASS
Band4	1.4	20393	6	#0	QAM16	3509.17	-37.58	-13	PASS
Band4	3	19965	15	#0	QAM16	6195	-41.05	-13	PASS
Band4	3	20385	15	#0	QAM16	6846.67	-40.35	-13	PASS
Band4	5	19975	25	#0	QAM16	6759.17	-39.4	-13	PASS
Band4	5	20375	25	#0	QAM16	6207.5	-40.83	-13	PASS
Band4	10	20000	50	#0	QAM16	6835.83	-40.69	-13	PASS
Band4	10	20350	50	#0	QAM16	6770.83	-40.74	-13	PASS
Band4	15	20025	75	#0	QAM16	6855.83	-40.7	-13	PASS
Band4	15	20325	75	#0	QAM16	6231.67	-40.42	-13	PASS
Band4	20	20050	100	#0	QAM16	6219.17	-40.41	-13	PASS
Band4	20	20300	100	#0	QAM16	6966.67	-40.3	-13	PASS
Band4	1.4	19957	6	#0	QPSK	6190.83	-39.76	-13	PASS
Band4	1.4	20393	6	#0	QPSK	3508.33	-37.46	-13	PASS
Band4	3	19965	15	#0	QPSK	6880	-40.4	-13	PASS
Band4	3	20385	15	#0	QPSK	6691.67	-39.9	-13	PASS
Band4	5	19975	25	#0	QPSK	6885	-40.88	-13	PASS
Band4	5	20375	25	#0	QPSK	6785.83	-40.88	-13	PASS
Band4	10	20000	50	#0	QPSK	6860	-40.62	-13	PASS
Band4	10	20350	50	#0	QPSK	6820.83	-40.94	-13	PASS
Band4	15	20025	75	#0	QPSK	6836.67	-39.99	-13	PASS
Band4	15	20325	75	#0	QPSK	6147.5	-40.49	-13	PASS
Band4	20	20050	100	#0	QPSK	6226.67	-40.2	-13	PASS
Band4	20	20300	100	#0	QPSK	6204.17	-40.12	-13	PASS



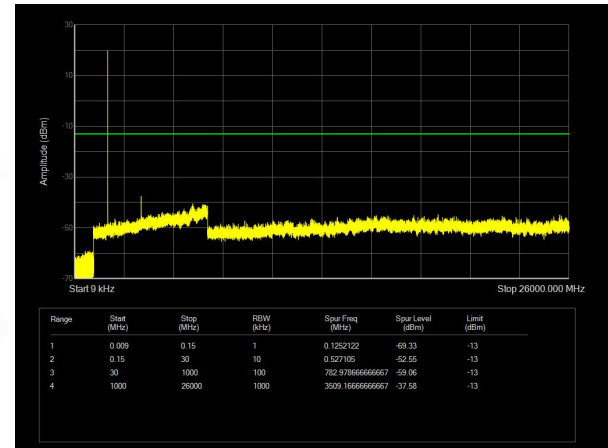
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



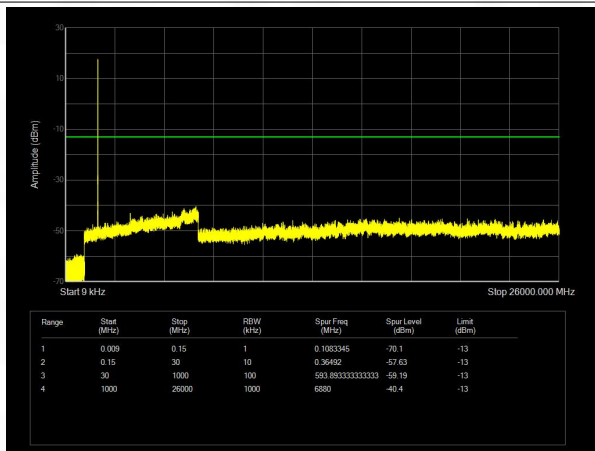
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



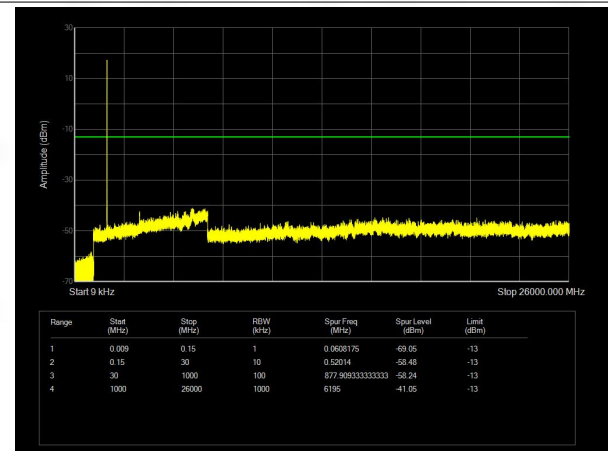
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



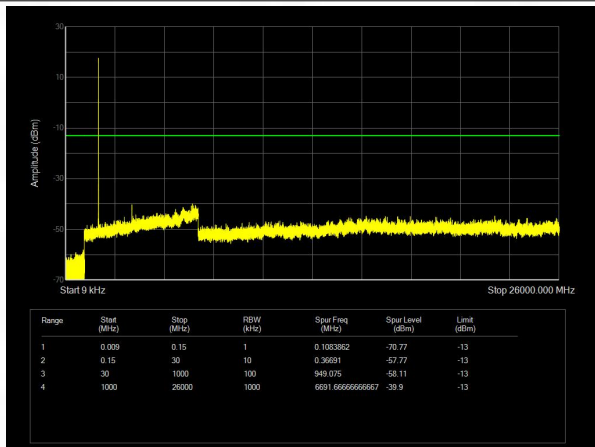
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



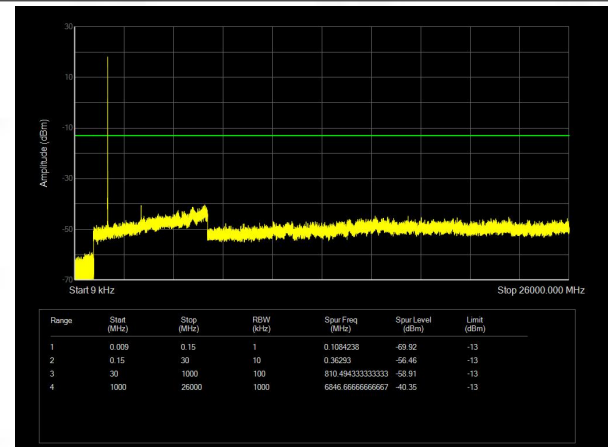
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



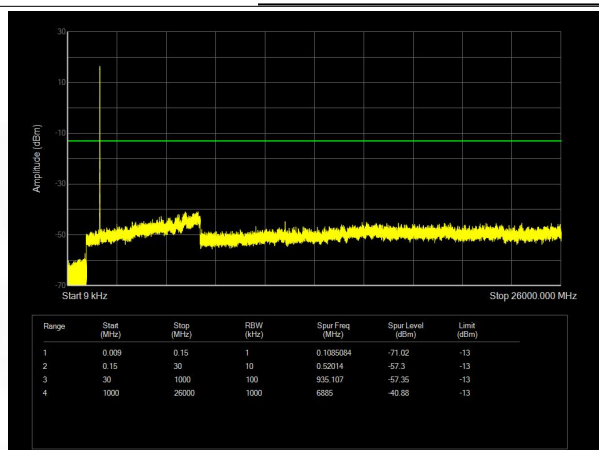
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



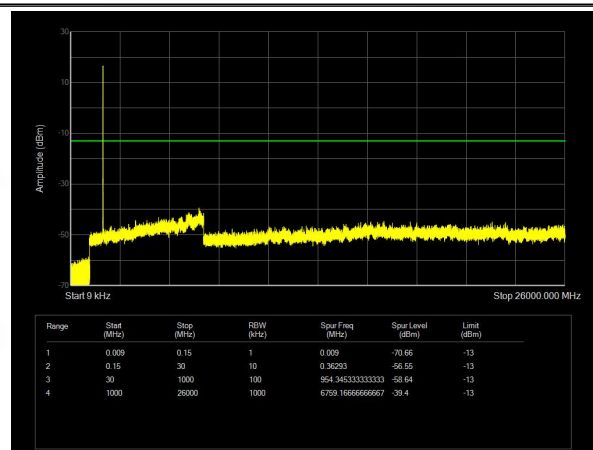
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



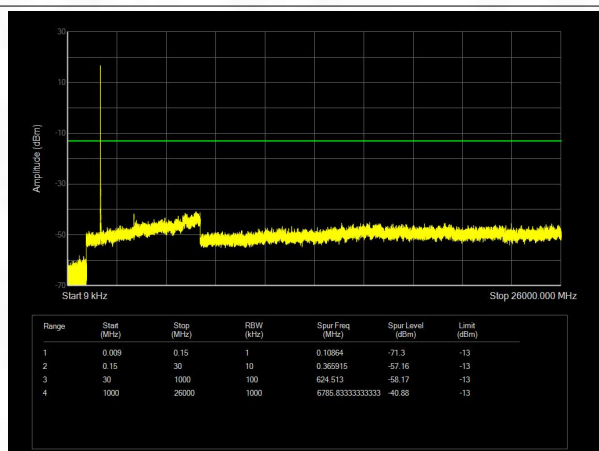
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



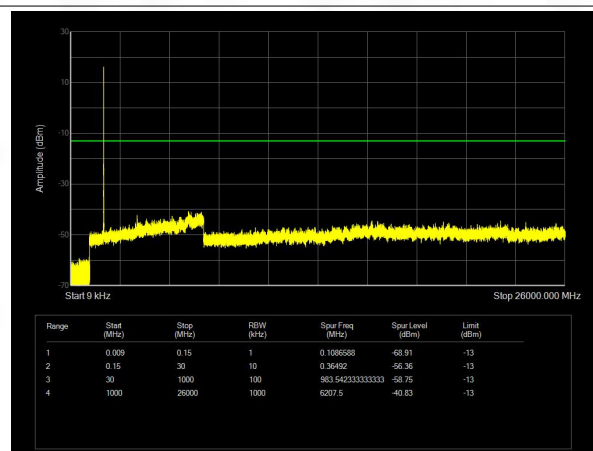
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



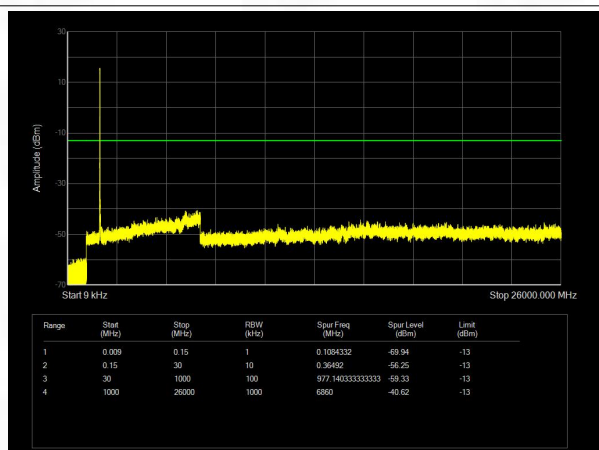
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



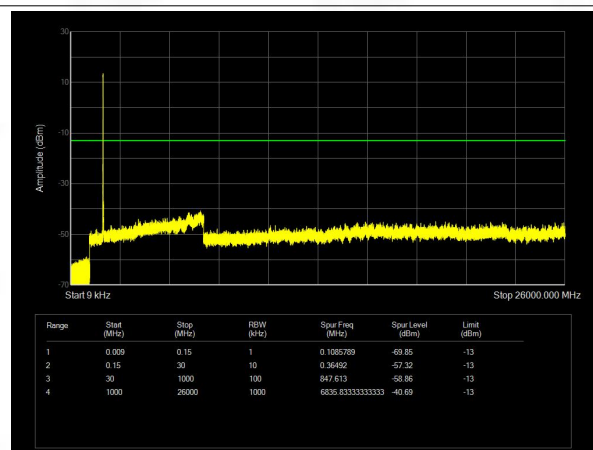
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



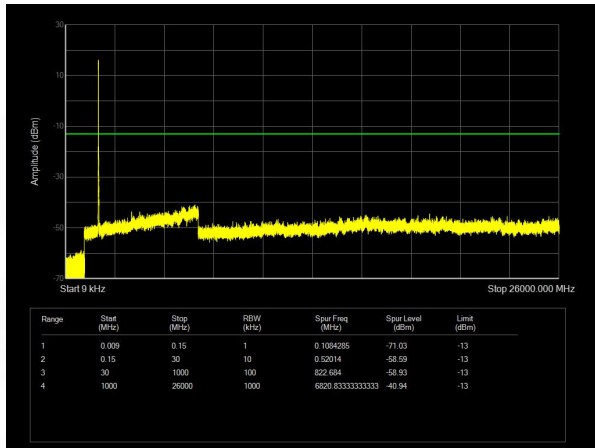
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



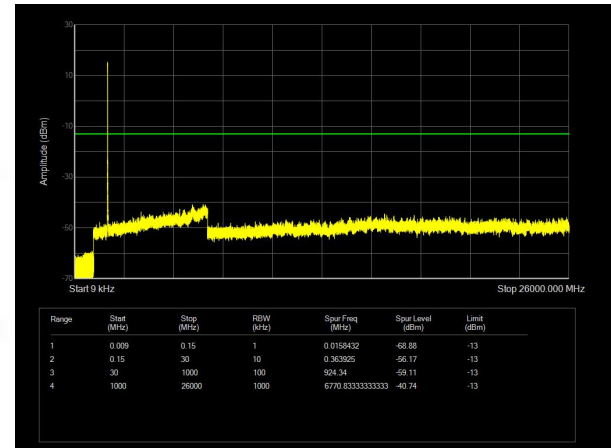
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



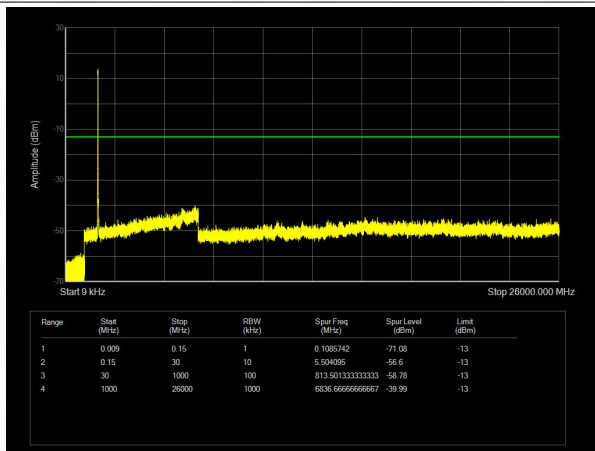
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



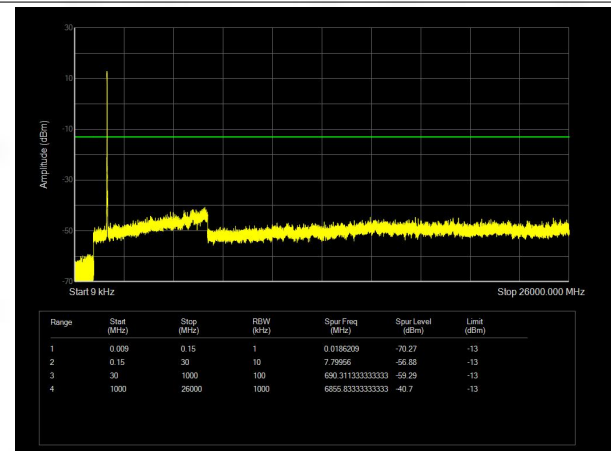
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



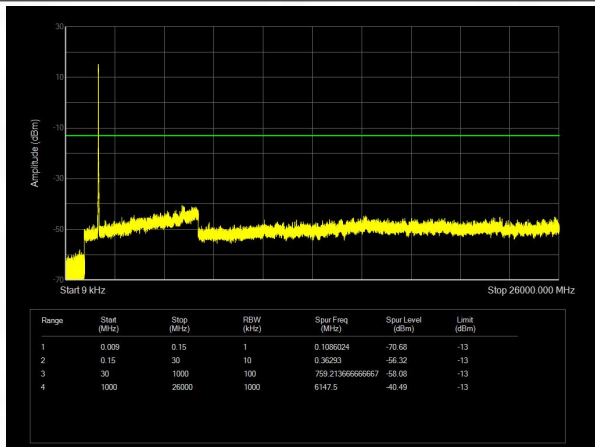
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



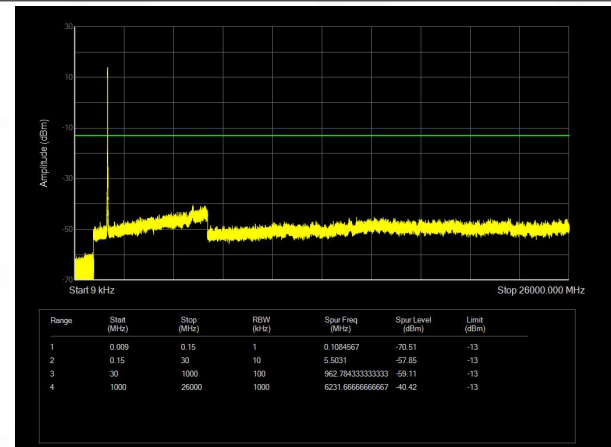
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



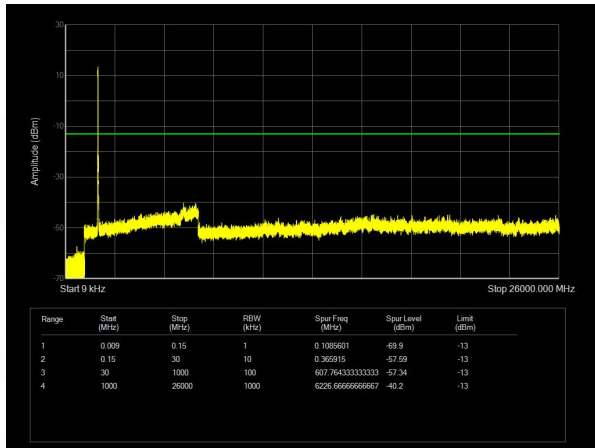
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



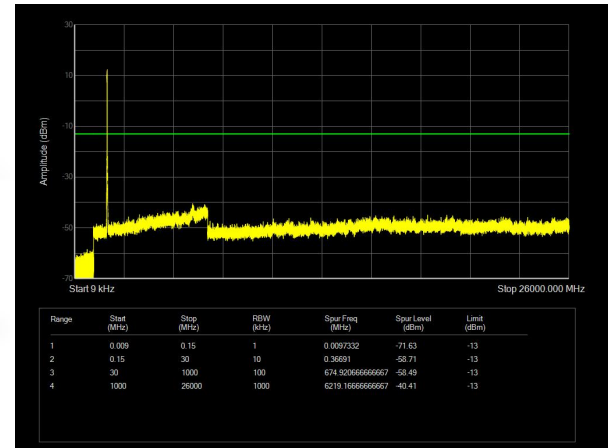
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



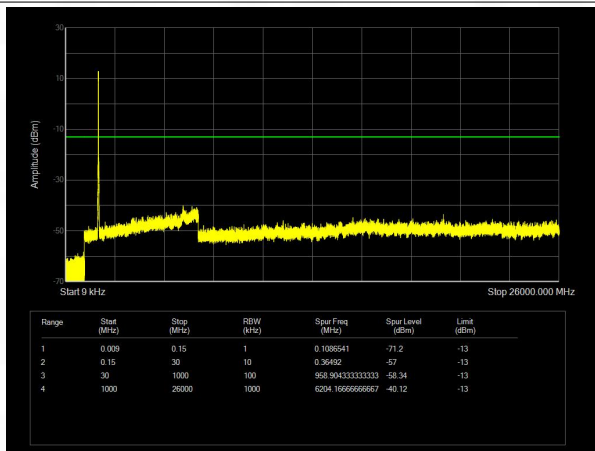
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



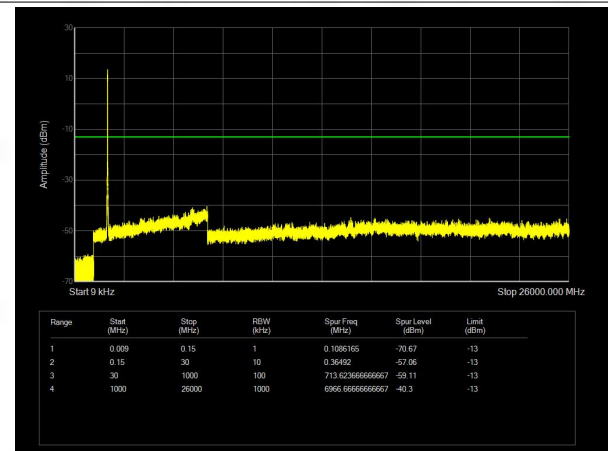
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0