

Appendix-LTE Band 4

Conducted Test Data

Conducted Output Power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QAM16	21.32	-1.66	19.66	30	PASS
Band4	1.4	19957	1	#Mid	QAM16	21.47	-1.66	19.81	30	PASS
Band4	1.4	19957	1	#Max	QAM16	21.37	-1.66	19.71	30	PASS
Band4	1.4	19957	3	#0	QAM16	21.41	-1.66	19.75	30	PASS
Band4	1.4	19957	3	#Mid	QAM16	21.43	-1.66	19.77	30	PASS
Band4	1.4	19957	3	#Max	QAM16	21.41	-1.66	19.75	30	PASS
Band4	1.4	19957	6	#0	QAM16	20.33	-1.66	18.67	30	PASS
Band4	1.4	20175	1	#0	QAM16	21.21	-1.66	19.55	30	PASS
Band4	1.4	20175	1	#Mid	QAM16	21.34	-1.66	19.68	30	PASS
Band4	1.4	20175	1	#Max	QAM16	21.24	-1.66	19.58	30	PASS
Band4	1.4	20175	3	#0	QAM16	21.32	-1.66	19.66	30	PASS
Band4	1.4	20175	3	#Mid	QAM16	21.37	-1.66	19.71	30	PASS
Band4	1.4	20175	3	#Max	QAM16	21.36	-1.66	19.70	30	PASS
Band4	1.4	20175	6	#0	QAM16	20.19	-1.66	18.53	30	PASS
Band4	1.4	20393	1	#0	QAM16	20.90	-1.66	19.24	30	PASS
Band4	1.4	20393	1	#Mid	QAM16	21.08	-1.66	19.42	30	PASS
Band4	1.4	20393	1	#Max	QAM16	20.91	-1.66	19.25	30	PASS
Band4	1.4	20393	3	#0	QAM16	21.28	-1.66	19.62	30	PASS
Band4	1.4	20393	3	#Mid	QAM16	21.29	-1.66	19.63	30	PASS
Band4	1.4	20393	3	#Max	QAM16	21.31	-1.66	19.65	30	PASS
Band4	1.4	20393	6	#0	QAM16	20.21	-1.66	18.55	30	PASS
Band4	3	19965	1	#0	QAM16	21.44	-1.66	19.78	30	PASS
Band4	3	19965	1	#Mid	QAM16	21.79	-1.66	20.13	30	PASS
Band4	3	19965	1	#Max	QAM16	21.39	-1.66	19.73	30	PASS
Band4	3	19965	8	#0	QAM16	20.18	-1.66	18.52	30	PASS
Band4	3	19965	8	#Mid	QAM16	20.28	-1.66	18.62	30	PASS
Band4	3	19965	8	#Max	QAM16	20.25	-1.66	18.59	30	PASS
Band4	3	19965	15	#0	QAM16	20.14	-1.66	18.48	30	PASS
Band4	3	20175	1	#0	QAM16	20.95	-1.66	19.29	30	PASS
Band4	3	20175	1	#Mid	QAM16	21.38	-1.66	19.72	30	PASS
Band4	3	20175	1	#Max	QAM16	20.99	-1.66	19.33	30	PASS
Band4	3	20175	8	#0	QAM16	20.09	-1.66	18.43	30	PASS
Band4	3	20175	8	#Mid	QAM16	20.11	-1.66	18.45	30	PASS
Band4	3	20175	8	#Max	QAM16	20.08	-1.66	18.42	30	PASS

Band4	3	20175	15	#0	QAM16	20.18	-1.66	18.52	30	PASS
Band4	3	20385	1	#0	QAM16	21.58	-1.66	19.92	30	PASS
Band4	3	20385	1	#Mid	QAM16	21.89	-1.66	20.23	30	PASS
Band4	3	20385	1	#Max	QAM16	21.52	-1.66	19.86	30	PASS
Band4	3	20385	8	#0	QAM16	20.16	-1.66	18.50	30	PASS
Band4	3	20385	8	#Mid	QAM16	20.19	-1.66	18.53	30	PASS
Band4	3	20385	8	#Max	QAM16	20.16	-1.66	18.50	30	PASS
Band4	3	20385	15	#0	QAM16	20.16	-1.66	18.50	30	PASS
Band4	5	19975	1	#0	QAM16	21.46	-1.66	19.80	30	PASS
Band4	5	19975	1	#Mid	QAM16	21.90	-1.66	20.24	30	PASS
Band4	5	19975	1	#Max	QAM16	21.48	-1.66	19.82	30	PASS
Band4	5	19975	12	#0	QAM16	20.14	-1.66	18.48	30	PASS
Band4	5	19975	12	#Mid	QAM16	20.24	-1.66	18.58	30	PASS
Band4	5	19975	12	#Max	QAM16	20.22	-1.66	18.56	30	PASS
Band4	5	19975	25	#0	QAM16	20.25	-1.66	18.59	30	PASS
Band4	5	20175	1	#0	QAM16	21.34	-1.66	19.68	30	PASS
Band4	5	20175	1	#Mid	QAM16	21.71	-1.66	20.05	30	PASS
Band4	5	20175	1	#Max	QAM16	21.40	-1.66	19.74	30	PASS
Band4	5	20175	12	#0	QAM16	20.13	-1.66	18.47	30	PASS
Band4	5	20175	12	#Mid	QAM16	20.19	-1.66	18.53	30	PASS
Band4	5	20175	12	#Max	QAM16	20.08	-1.66	18.42	30	PASS
Band4	5	20175	25	#0	QAM16	20.05	-1.66	18.39	30	PASS
Band4	5	20375	1	#0	QAM16	21.61	-1.66	19.95	30	PASS
Band4	5	20375	1	#Mid	QAM16	22.05	-1.66	20.39	30	PASS
Band4	5	20375	1	#Max	QAM16	21.56	-1.66	19.90	30	PASS
Band4	5	20375	12	#0	QAM16	20.14	-1.66	18.48	30	PASS
Band4	5	20375	12	#Mid	QAM16	20.22	-1.66	18.56	30	PASS
Band4	5	20375	12	#Max	QAM16	20.17	-1.66	18.51	30	PASS
Band4	5	20375	25	#0	QAM16	20.10	-1.66	18.44	30	PASS
Band4	10	20000	1	#0	QAM16	21.65	-1.66	19.99	30	PASS
Band4	10	20000	1	#Mid	QAM16	21.82	-1.66	20.16	30	PASS
Band4	10	20000	1	#Max	QAM16	21.59	-1.66	19.93	30	PASS
Band4	10	20000	25	#0	QAM16	20.30	-1.66	18.64	30	PASS
Band4	10	20000	25	#Mid	QAM16	20.32	-1.66	18.66	30	PASS
Band4	10	20000	25	#Max	QAM16	20.32	-1.66	18.66	30	PASS
Band4	10	20000	50	#0	QAM16	20.35	-1.66	18.69	30	PASS
Band4	10	20175	1	#0	QAM16	21.20	-1.66	19.54	30	PASS
Band4	10	20175	1	#Mid	QAM16	21.41	-1.66	19.75	30	PASS
Band4	10	20175	1	#Max	QAM16	21.37	-1.66	19.71	30	PASS
Band4	10	20175	25	#0	QAM16	20.10	-1.66	18.44	30	PASS
Band4	10	20175	25	#Mid	QAM16	20.18	-1.66	18.52	30	PASS
Band4	10	20175	25	#Max	QAM16	20.10	-1.66	18.44	30	PASS
Band4	10	20175	50	#0	QAM16	20.18	-1.66	18.52	30	PASS
Band4	10	20350	1	#0	QAM16	21.12	-1.66	19.46	30	PASS

Band4	10	20350	1	#Mid	QAM16	21.18	-1.66	19.52	30	PASS
Band4	10	20350	1	#Max	QAM16	20.93	-1.66	19.27	30	PASS
Band4	10	20350	25	#0	QAM16	20.29	-1.66	18.63	30	PASS
Band4	10	20350	25	#Mid	QAM16	20.19	-1.66	18.53	30	PASS
Band4	10	20350	25	#Max	QAM16	20.21	-1.66	18.55	30	PASS
Band4	10	20350	50	#0	QAM16	20.22	-1.66	18.56	30	PASS
Band4	15	20025	1	#0	QAM16	21.26	-1.66	19.60	30	PASS
Band4	15	20025	1	#Mid	QAM16	21.55	-1.66	19.89	30	PASS
Band4	15	20025	1	#Max	QAM16	21.01	-1.66	19.35	30	PASS
Band4	15	20025	36	#0	QAM16	20.16	-1.66	18.50	30	PASS
Band4	15	20025	36	#Mid	QAM16	20.18	-1.66	18.52	30	PASS
Band4	15	20025	36	#Max	QAM16	20.09	-1.66	18.43	30	PASS
Band4	15	20025	75	#0	QAM16	20.19	-1.66	18.53	30	PASS
Band4	15	20175	1	#0	QAM16	21.44	-1.66	19.78	30	PASS
Band4	15	20175	1	#Mid	QAM16	21.82	-1.66	20.16	30	PASS
Band4	15	20175	1	#Max	QAM16	21.55	-1.66	19.89	30	PASS
Band4	15	20175	36	#0	QAM16	20.09	-1.66	18.43	30	PASS
Band4	15	20175	36	#Mid	QAM16	20.19	-1.66	18.53	30	PASS
Band4	15	20175	36	#Max	QAM16	20.17	-1.66	18.51	30	PASS
Band4	15	20175	75	#0	QAM16	20.08	-1.66	18.42	30	PASS
Band4	15	20325	1	#0	QAM16	21.41	-1.66	19.75	30	PASS
Band4	15	20325	1	#Mid	QAM16	21.75	-1.66	20.09	30	PASS
Band4	15	20325	1	#Max	QAM16	21.17	-1.66	19.51	30	PASS
Band4	15	20325	36	#0	QAM16	20.36	-1.66	18.70	30	PASS
Band4	15	20325	36	#Mid	QAM16	20.33	-1.66	18.67	30	PASS
Band4	15	20325	36	#Max	QAM16	20.19	-1.66	18.53	30	PASS
Band4	15	20325	75	#0	QAM16	20.24	-1.66	18.58	30	PASS
Band4	20	20050	1	#0	QAM16	21.32	-1.66	19.66	30	PASS
Band4	20	20050	1	#Mid	QAM16	21.57	-1.66	19.91	30	PASS
Band4	20	20050	1	#Max	QAM16	21.09	-1.66	19.43	30	PASS
Band4	20	20050	50	#0	QAM16	20.21	-1.66	18.55	30	PASS
Band4	20	20050	50	#Mid	QAM16	20.17	-1.66	18.51	30	PASS
Band4	20	20050	50	#Max	QAM16	20.17	-1.66	18.51	30	PASS
Band4	20	20050	100	#0	QAM16	20.21	-1.66	18.55	30	PASS
Band4	20	20175	1	#0	QAM16	21.18	-1.66	19.52	30	PASS
Band4	20	20175	1	#Mid	QAM16	21.53	-1.66	19.87	30	PASS
Band4	20	20175	1	#Max	QAM16	21.29	-1.66	19.63	30	PASS
Band4	20	20175	50	#0	QAM16	20.10	-1.66	18.44	30	PASS
Band4	20	20175	50	#Mid	QAM16	20.19	-1.66	18.53	30	PASS
Band4	20	20175	50	#Max	QAM16	20.21	-1.66	18.55	30	PASS
Band4	20	20175	100	#0	QAM16	20.12	-1.66	18.46	30	PASS
Band4	20	20300	1	#0	QAM16	21.48	-1.66	19.82	30	PASS
Band4	20	20300	1	#Mid	QAM16	21.72	-1.66	20.06	30	PASS
Band4	20	20300	1	#Max	QAM16	21.19	-1.66	19.53	30	PASS

Band4	20	20300	50	#0	QAM16	20.52	-1.66	18.86	30	PASS
Band4	20	20300	50	#Mid	QAM16	20.38	-1.66	18.72	30	PASS
Band4	20	20300	50	#Max	QAM16	20.25	-1.66	18.59	30	PASS
Band4	20	20300	100	#0	QAM16	20.34	-1.66	18.68	30	PASS
Band4	1.4	19957	1	#0	QPSK	22.11	-1.66	20.45	30	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.31	-1.66	20.65	30	PASS
Band4	1.4	19957	1	#Max	QPSK	22.13	-1.66	20.47	30	PASS
Band4	1.4	19957	3	#0	QPSK	22.13	-1.66	20.47	30	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.14	-1.66	20.48	30	PASS
Band4	1.4	19957	3	#Max	QPSK	22.18	-1.66	20.52	30	PASS
Band4	1.4	19957	6	#0	QPSK	21.11	-1.66	19.45	30	PASS
Band4	1.4	20175	1	#0	QPSK	21.92	-1.66	20.26	30	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.08	-1.66	20.42	30	PASS
Band4	1.4	20175	1	#Max	QPSK	21.97	-1.66	20.31	30	PASS
Band4	1.4	20175	3	#0	QPSK	22.03	-1.66	20.37	30	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.06	-1.66	20.40	30	PASS
Band4	1.4	20175	3	#Max	QPSK	22.03	-1.66	20.37	30	PASS
Band4	1.4	20175	6	#0	QPSK	20.99	-1.66	19.33	30	PASS
Band4	1.4	20393	1	#0	QPSK	22.04	-1.66	20.38	30	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.15	-1.66	20.49	30	PASS
Band4	1.4	20393	1	#Max	QPSK	21.99	-1.66	20.33	30	PASS
Band4	1.4	20393	3	#0	QPSK	22.05	-1.66	20.39	30	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.07	-1.66	20.41	30	PASS
Band4	1.4	20393	3	#Max	QPSK	22.07	-1.66	20.41	30	PASS
Band4	1.4	20393	6	#0	QPSK	21.00	-1.66	19.34	30	PASS
Band4	3	19965	1	#0	QPSK	22.13	-1.66	20.47	30	PASS
Band4	3	19965	1	#Mid	QPSK	22.55	-1.66	20.89	30	PASS
Band4	3	19965	1	#Max	QPSK	22.15	-1.66	20.49	30	PASS
Band4	3	19965	8	#0	QPSK	21.13	-1.66	19.47	30	PASS
Band4	3	19965	8	#Mid	QPSK	21.22	-1.66	19.56	30	PASS
Band4	3	19965	8	#Max	QPSK	21.22	-1.66	19.56	30	PASS
Band4	3	19965	15	#0	QPSK	21.21	-1.66	19.55	30	PASS
Band4	3	20175	1	#0	QPSK	22.06	-1.66	20.40	30	PASS
Band4	3	20175	1	#Mid	QPSK	22.45	-1.66	20.79	30	PASS
Band4	3	20175	1	#Max	QPSK	22.09	-1.66	20.43	30	PASS
Band4	3	20175	8	#0	QPSK	21.05	-1.66	19.39	30	PASS
Band4	3	20175	8	#Mid	QPSK	21.07	-1.66	19.41	30	PASS
Band4	3	20175	8	#Max	QPSK	21.06	-1.66	19.40	30	PASS
Band4	3	20175	15	#0	QPSK	21.07	-1.66	19.41	30	PASS
Band4	3	20385	1	#0	QPSK	22.05	-1.66	20.39	30	PASS
Band4	3	20385	1	#Mid	QPSK	22.33	-1.66	20.67	30	PASS
Band4	3	20385	1	#Max	QPSK	22.02	-1.66	20.36	30	PASS
Band4	3	20385	8	#0	QPSK	21.04	-1.66	19.38	30	PASS
Band4	3	20385	8	#Mid	QPSK	21.09	-1.66	19.43	30	PASS

Band4	3	20385	8	#Max	QPSK	21.15	-1.66	19.49	30	PASS
Band4	3	20385	15	#0	QPSK	21.07	-1.66	19.41	30	PASS
Band4	5	19975	1	#0	QPSK	22.02	-1.66	20.36	30	PASS
Band4	5	19975	1	#Mid	QPSK	22.56	-1.66	20.90	30	PASS
Band4	5	19975	1	#Max	QPSK	22.03	-1.66	20.37	30	PASS
Band4	5	19975	12	#0	QPSK	21.13	-1.66	19.47	30	PASS
Band4	5	19975	12	#Mid	QPSK	21.24	-1.66	19.58	30	PASS
Band4	5	19975	12	#Max	QPSK	21.19	-1.66	19.53	30	PASS
Band4	5	19975	25	#0	QPSK	21.19	-1.66	19.53	30	PASS
Band4	5	20175	1	#0	QPSK	21.83	-1.66	20.17	30	PASS
Band4	5	20175	1	#Mid	QPSK	22.38	-1.66	20.72	30	PASS
Band4	5	20175	1	#Max	QPSK	21.89	-1.66	20.23	30	PASS
Band4	5	20175	12	#0	QPSK	21.02	-1.66	19.36	30	PASS
Band4	5	20175	12	#Mid	QPSK	21.12	-1.66	19.46	30	PASS
Band4	5	20175	12	#Max	QPSK	21.04	-1.66	19.38	30	PASS
Band4	5	20175	25	#0	QPSK	21.06	-1.66	19.40	30	PASS
Band4	5	20375	1	#0	QPSK	21.94	-1.66	20.28	30	PASS
Band4	5	20375	1	#Mid	QPSK	22.38	-1.66	20.72	30	PASS
Band4	5	20375	1	#Max	QPSK	21.92	-1.66	20.26	30	PASS
Band4	5	20375	12	#0	QPSK	21.15	-1.66	19.49	30	PASS
Band4	5	20375	12	#Mid	QPSK	21.19	-1.66	19.53	30	PASS
Band4	5	20375	12	#Max	QPSK	21.14	-1.66	19.48	30	PASS
Band4	5	20375	25	#0	QPSK	21.08	-1.66	19.42	30	PASS
Band4	10	20000	1	#0	QPSK	22.07	-1.66	20.41	30	PASS
Band4	10	20000	1	#Mid	QPSK	22.29	-1.66	20.63	30	PASS
Band4	10	20000	1	#Max	QPSK	22.01	-1.66	20.35	30	PASS
Band4	10	20000	25	#0	QPSK	21.22	-1.66	19.56	30	PASS
Band4	10	20000	25	#Mid	QPSK	21.22	-1.66	19.56	30	PASS
Band4	10	20000	25	#Max	QPSK	21.24	-1.66	19.58	30	PASS
Band4	10	20000	50	#0	QPSK	21.27	-1.66	19.61	30	PASS
Band4	10	20175	1	#0	QPSK	21.96	-1.66	20.30	30	PASS
Band4	10	20175	1	#Mid	QPSK	22.15	-1.66	20.49	30	PASS
Band4	10	20175	1	#Max	QPSK	22.08	-1.66	20.42	30	PASS
Band4	10	20175	25	#0	QPSK	21.09	-1.66	19.43	30	PASS
Band4	10	20175	25	#Mid	QPSK	21.09	-1.66	19.43	30	PASS
Band4	10	20175	25	#Max	QPSK	21.08	-1.66	19.42	30	PASS
Band4	10	20175	50	#0	QPSK	21.11	-1.66	19.45	30	PASS
Band4	10	20350	1	#0	QPSK	22.16	-1.66	20.50	30	PASS
Band4	10	20350	1	#Mid	QPSK	22.24	-1.66	20.58	30	PASS
Band4	10	20350	1	#Max	QPSK	22.03	-1.66	20.37	30	PASS
Band4	10	20350	25	#0	QPSK	21.18	-1.66	19.52	30	PASS
Band4	10	20350	25	#Mid	QPSK	21.17	-1.66	19.51	30	PASS
Band4	10	20350	25	#Max	QPSK	21.14	-1.66	19.48	30	PASS
Band4	10	20350	50	#0	QPSK	21.23	-1.66	19.57	30	PASS

Band4	15	20025	1	#0	QPSK	22.08	-1.66	20.42	30	PASS
Band4	15	20025	1	#Mid	QPSK	22.46	-1.66	20.80	30	PASS
Band4	15	20025	1	#Max	QPSK	21.86	-1.66	20.20	30	PASS
Band4	15	20025	36	#0	QPSK	21.19	-1.66	19.53	30	PASS
Band4	15	20025	36	#Mid	QPSK	21.21	-1.66	19.55	30	PASS
Band4	15	20025	36	#Max	QPSK	21.09	-1.66	19.43	30	PASS
Band4	15	20025	75	#0	QPSK	21.15	-1.66	19.49	30	PASS
Band4	15	20175	1	#0	QPSK	21.90	-1.66	20.24	30	PASS
Band4	15	20175	1	#Mid	QPSK	22.31	-1.66	20.65	30	PASS
Band4	15	20175	1	#Max	QPSK	22.00	-1.66	20.34	30	PASS
Band4	15	20175	36	#0	QPSK	21.04	-1.66	19.38	30	PASS
Band4	15	20175	36	#Mid	QPSK	21.13	-1.66	19.47	30	PASS
Band4	15	20175	36	#Max	QPSK	21.14	-1.66	19.48	30	PASS
Band4	15	20175	75	#0	QPSK	21.07	-1.66	19.41	30	PASS
Band4	15	20325	1	#0	QPSK	22.19	-1.66	20.53	30	PASS
Band4	15	20325	1	#Mid	QPSK	22.45	-1.66	20.79	30	PASS
Band4	15	20325	1	#Max	QPSK	21.92	-1.66	20.26	30	PASS
Band4	15	20325	36	#0	QPSK	21.31	-1.66	19.65	30	PASS
Band4	15	20325	36	#Mid	QPSK	21.21	-1.66	19.55	30	PASS
Band4	15	20325	36	#Max	QPSK	21.11	-1.66	19.45	30	PASS
Band4	15	20325	75	#0	QPSK	21.20	-1.66	19.54	30	PASS
Band4	20	20050	1	#0	QPSK	22.00	-1.66	20.34	30	PASS
Band4	20	20050	1	#Mid	QPSK	22.25	-1.66	20.59	30	PASS
Band4	20	20050	1	#Max	QPSK	21.76	-1.66	20.10	30	PASS
Band4	20	20050	50	#0	QPSK	21.14	-1.66	19.48	30	PASS
Band4	20	20050	50	#Mid	QPSK	21.16	-1.66	19.50	30	PASS
Band4	20	20050	50	#Max	QPSK	21.11	-1.66	19.45	30	PASS
Band4	20	20050	100	#0	QPSK	21.16	-1.66	19.50	30	PASS
Band4	20	20175	1	#0	QPSK	21.82	-1.66	20.16	30	PASS
Band4	20	20175	1	#Mid	QPSK	22.16	-1.66	20.50	30	PASS
Band4	20	20175	1	#Max	QPSK	21.88	-1.66	20.22	30	PASS
Band4	20	20175	50	#0	QPSK	21.03	-1.66	19.37	30	PASS
Band4	20	20175	50	#Mid	QPSK	21.13	-1.66	19.47	30	PASS
Band4	20	20175	50	#Max	QPSK	21.11	-1.66	19.45	30	PASS
Band4	20	20175	100	#0	QPSK	21.06	-1.66	19.40	30	PASS
Band4	20	20300	1	#0	QPSK	21.99	-1.66	20.33	30	PASS
Band4	20	20300	1	#Mid	QPSK	22.26	-1.66	20.60	30	PASS
Band4	20	20300	1	#Max	QPSK	21.76	-1.66	20.10	30	PASS
Band4	20	20300	50	#0	QPSK	21.45	-1.66	19.79	30	PASS
Band4	20	20300	50	#Mid	QPSK	21.28	-1.66	19.62	30	PASS
Band4	20	20300	50	#Max	QPSK	21.12	-1.66	19.46	30	PASS
Band4	20	20300	100	#0	QPSK	21.30	-1.66	19.64	30	PASS

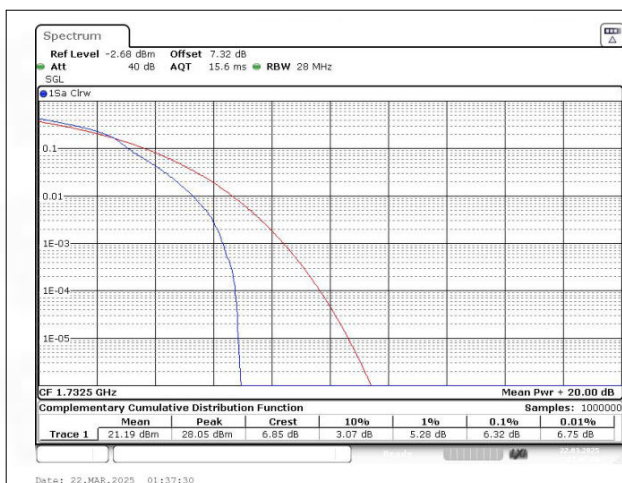
Frequency stability

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	-7.71	-0.004	PASS
Band4	20	20175	100	#0	QPSK	VN	NT	-9.28	-0.005	PASS
Band4	20	20175	100	#0	QPSK	VH	NT	-2.88	-0.002	PASS

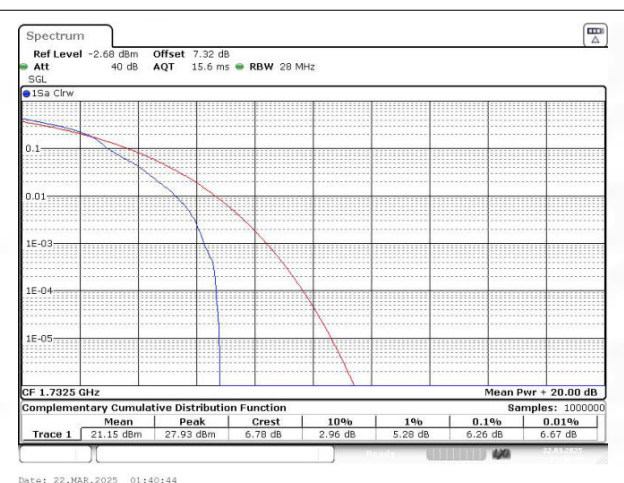
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band4	20	20175	100	#0	QPSK	NV	-30	-9.03	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-5.29	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-7.82	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-5.34	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-8.21	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-2.56	-0.001	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

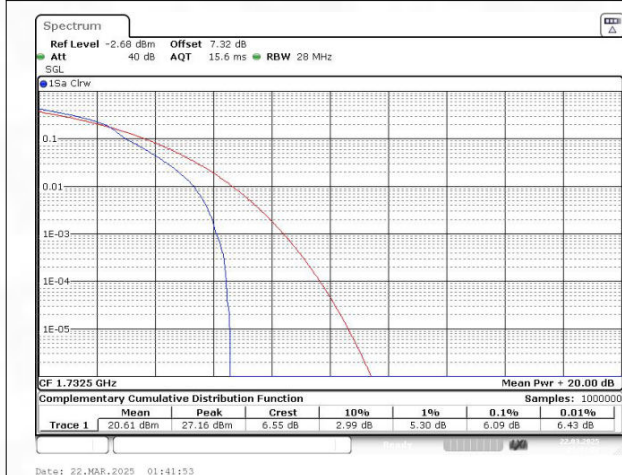
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	20175	1	#0	QAM16	6.32	13	PASS
Band4	3	20175	1	#0	QAM16	5.88	13	PASS
Band4	5	20175	1	#0	QAM16	6.17	13	PASS
Band4	10	20175	1	#0	QAM16	6.26	13	PASS
Band4	15	20175	1	#0	QAM16	6.09	13	PASS
Band4	20	20175	1	#0	QAM16	6.58	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.57	13	PASS
Band4	3	20175	1	#0	QPSK	5.25	13	PASS
Band4	5	20175	1	#0	QPSK	5.74	13	PASS
Band4	10	20175	1	#0	QPSK	5.36	13	PASS
Band4	15	20175	1	#0	QPSK	5.36	13	PASS
Band4	20	20175	1	#0	QPSK	5.59	13	PASS



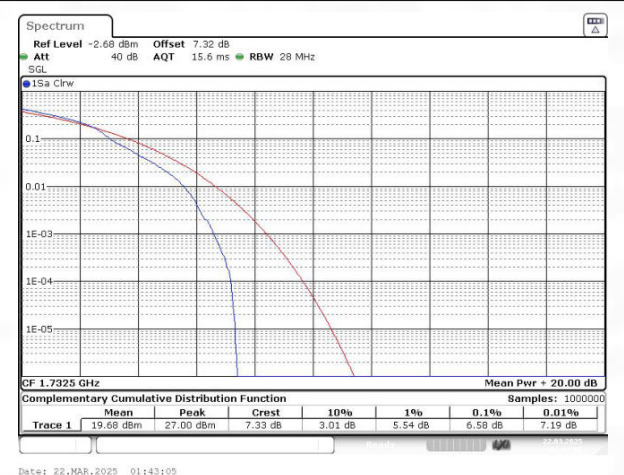
Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=1 Position=#0



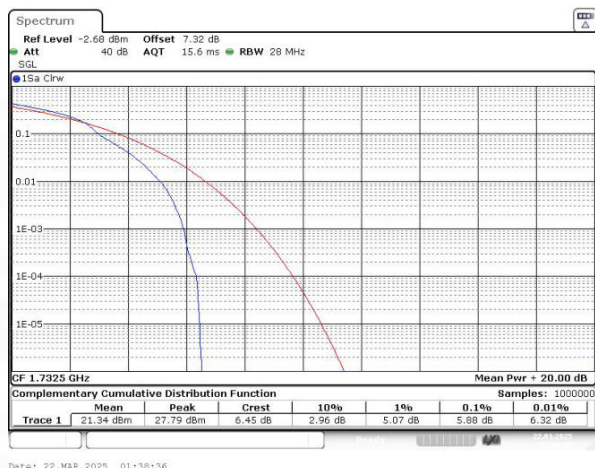
Band4 QAM16 BW=10MHz Channel=20175 RB Size=1 Position=#0



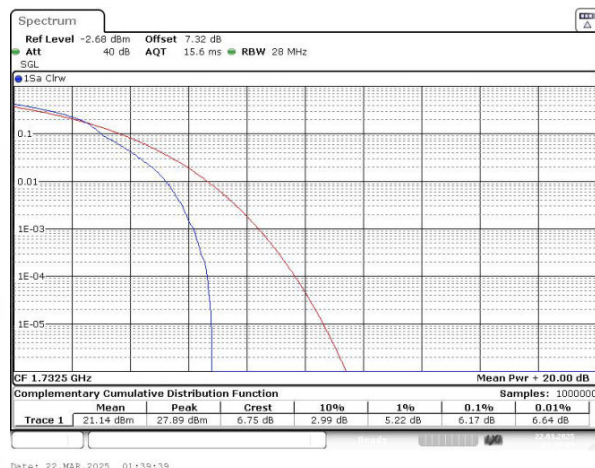
Band4 QAM16 BW=15MHz Channel=20175 RB Size=1 Position=#0



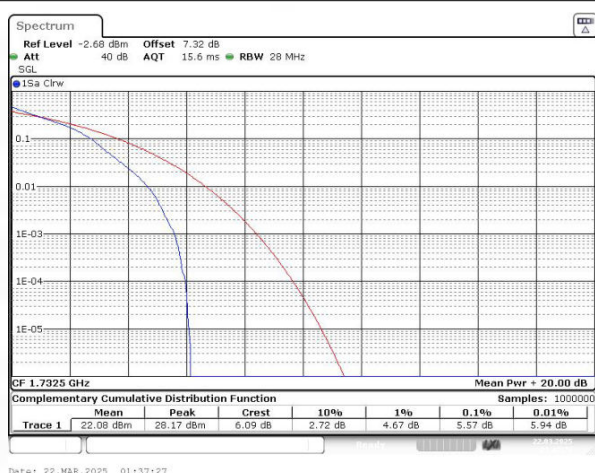
Band4 QAM16 BW=20MHz Channel=20175 RB Size=1 Position=#0



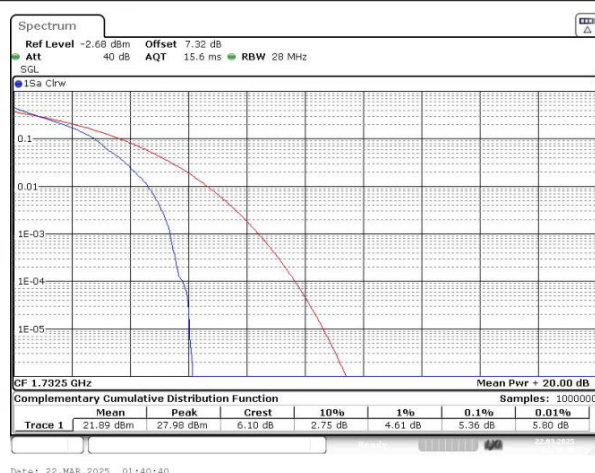
Band4 QAM16 BW=3MHz Channel=20175 RB Size=1 Position=#0



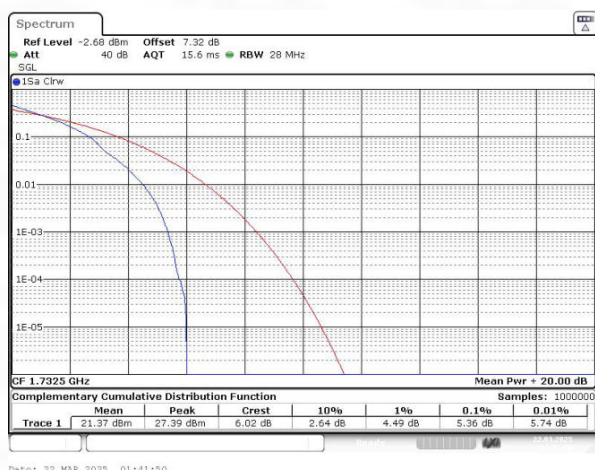
Band4 QAM16 BW=5MHz Channel=20175 RB Size=1 Position=#0



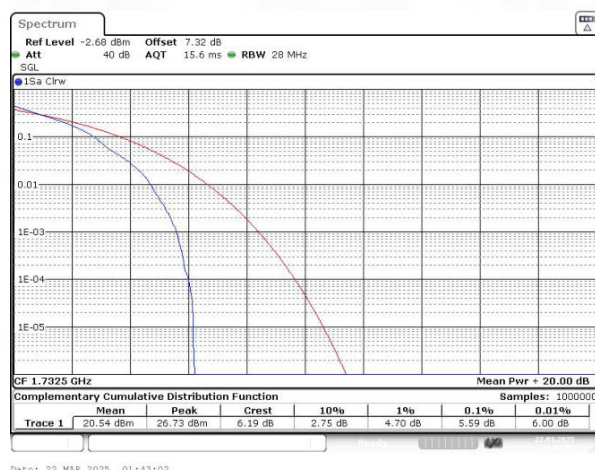
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



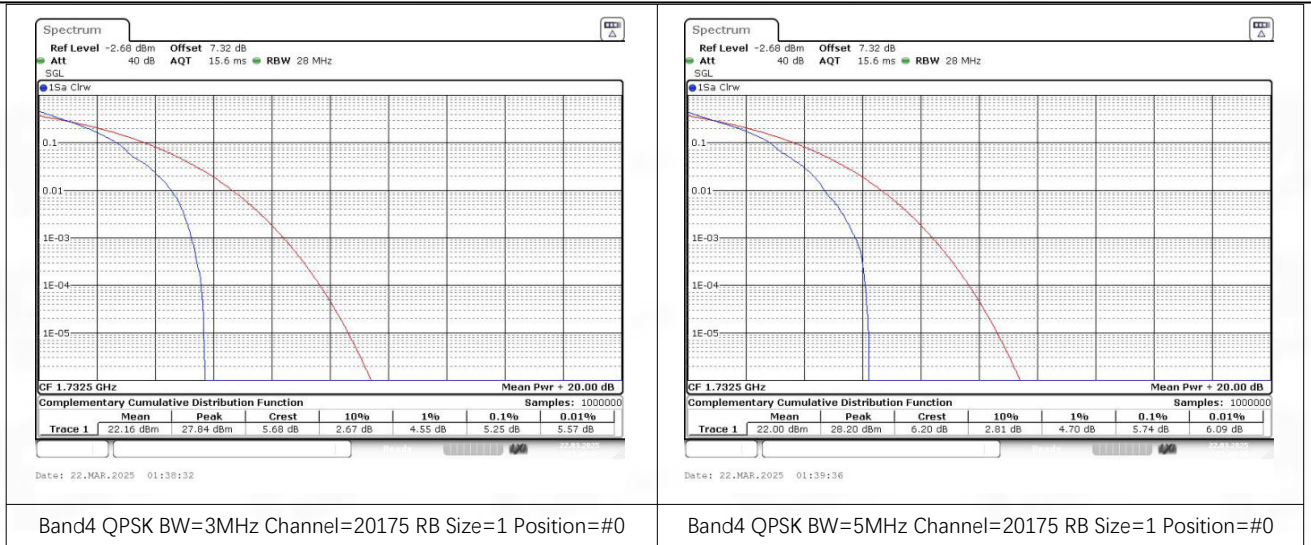
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



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



Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



Occupied bandwidth

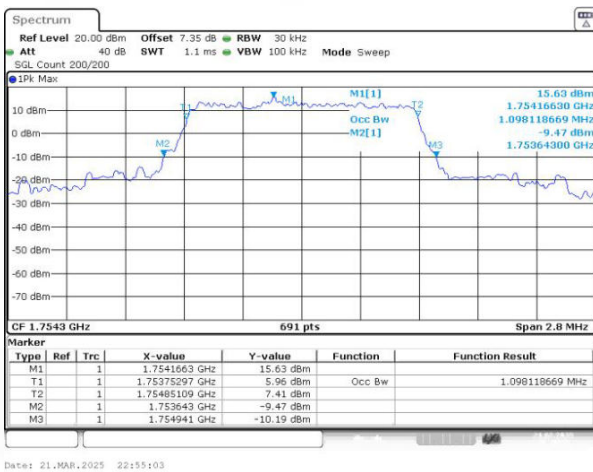
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QAM16	1.094	1.286	PASS
Band4	1.4	20175	6	#0	QAM16	1.09	1.278	PASS
Band4	1.4	20393	6	#0	QAM16	1.098	1.299	PASS
Band4	3	19965	15	#0	QAM16	2.718	2.965	PASS
Band4	3	20175	15	#0	QAM16	2.718	2.974	PASS
Band4	3	20385	15	#0	QAM16	2.718	3.313	PASS
Band4	5	19975	25	#0	QAM16	4.515	4.87	PASS
Band4	5	20175	25	#0	QAM16	4.501	4.913	PASS
Band4	5	20375	25	#0	QAM16	4.515	4.913	PASS
Band4	10	20000	50	#0	QAM16	9.001	9.768	PASS
Band4	10	20175	50	#0	QAM16	9.001	9.913	PASS
Band4	10	20350	50	#0	QAM16	9.001	9.71	PASS
Band4	15	20025	75	#0	QAM16	13.546	14.609	PASS
Band4	15	20175	75	#0	QAM16	13.459	14.696	PASS
Band4	15	20325	75	#0	QAM16	13.459	14.478	PASS
Band4	20	20050	100	#0	QAM16	18.003	19.42	PASS
Band4	20	20175	100	#0	QAM16	18.003	19.478	PASS
Band4	20	20300	100	#0	QAM16	18.061	19.536	PASS
Band4	1.4	19957	6	#0	QPSK	1.09	1.278	PASS
Band4	1.4	20175	6	#0	QPSK	1.094	1.294	PASS
Band4	1.4	20393	6	#0	QPSK	1.098	1.294	PASS
Band4	3	19965	15	#0	QPSK	2.726	3.191	PASS
Band4	3	20175	15	#0	QPSK	2.735	2.983	PASS
Band4	3	20385	15	#0	QPSK	2.735	2.983	PASS
Band4	5	19975	25	#0	QPSK	4.501	4.913	PASS
Band4	5	20175	25	#0	QPSK	4.515	5.232	PASS
Band4	5	20375	25	#0	QPSK	4.515	4.884	PASS
Band4	10	20000	50	#0	QPSK	9.03	9.739	PASS
Band4	10	20175	50	#0	QPSK	9.001	10.493	PASS
Band4	10	20350	50	#0	QPSK	9.001	9.681	PASS
Band4	15	20025	75	#0	QPSK	13.459	14.478	PASS
Band4	15	20175	75	#0	QPSK	13.415	14.565	PASS
Band4	15	20325	75	#0	QPSK	13.502	14.565	PASS
Band4	20	20050	100	#0	QPSK	18.003	19.478	PASS
Band4	20	20175	100	#0	QPSK	17.945	19.478	PASS
Band4	20	20300	100	#0	QPSK	18.061	19.478	PASS



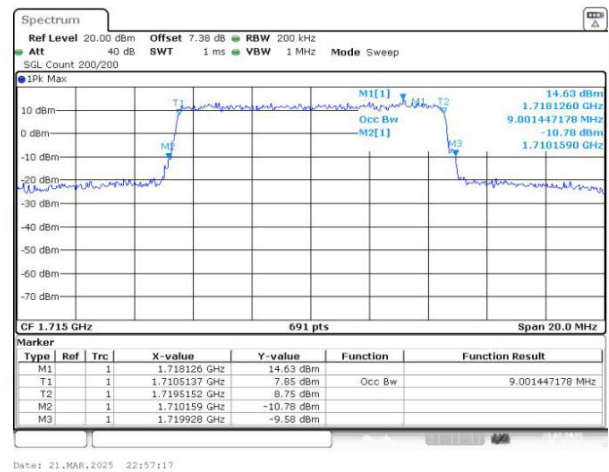
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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



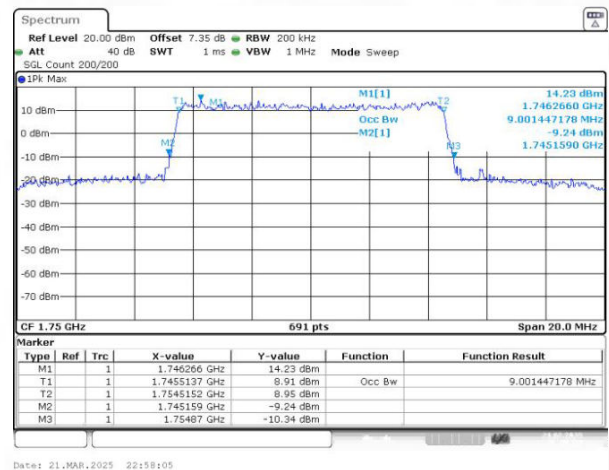
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



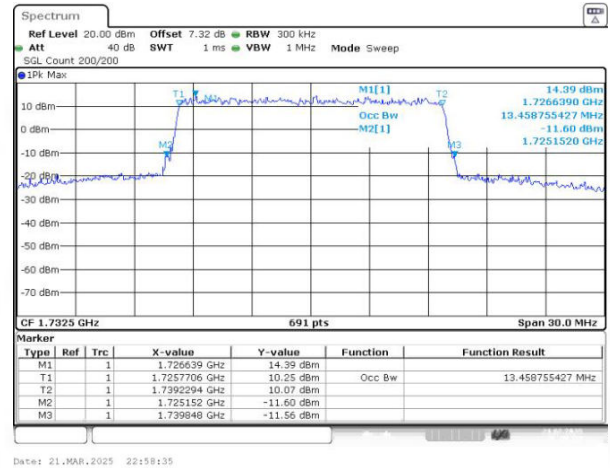
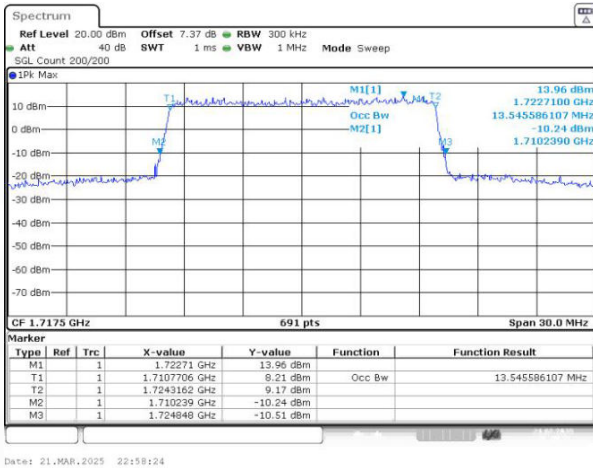
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



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

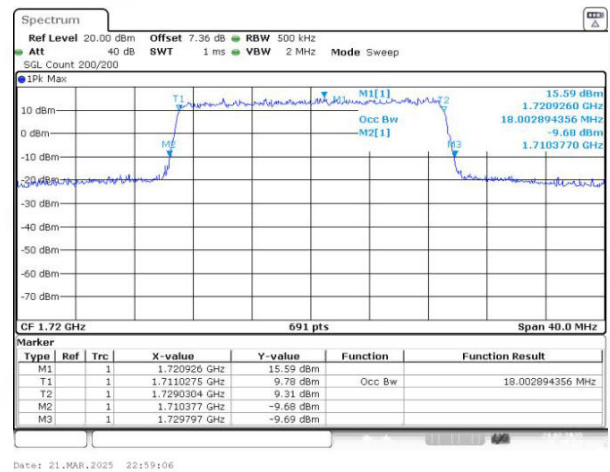
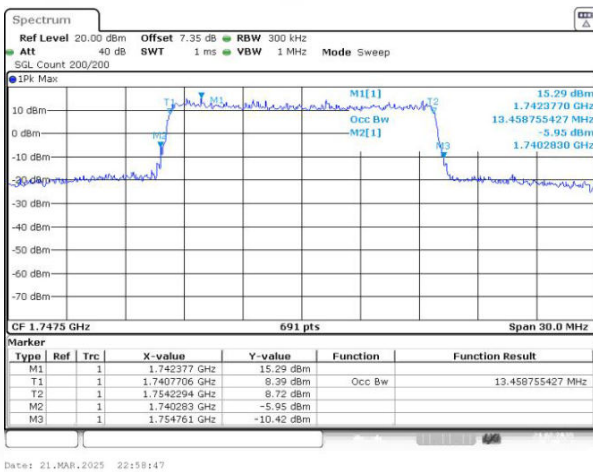


Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



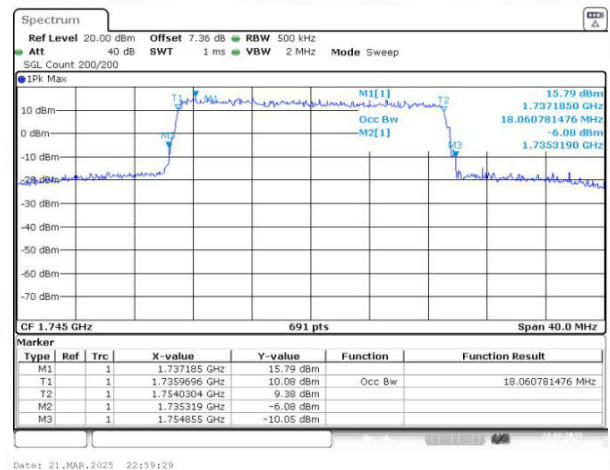
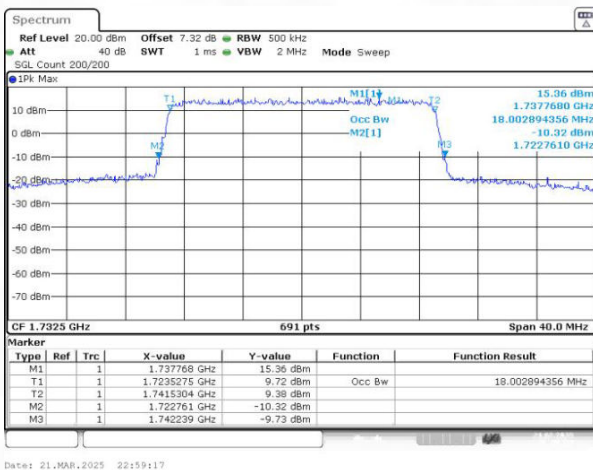
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0

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



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

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

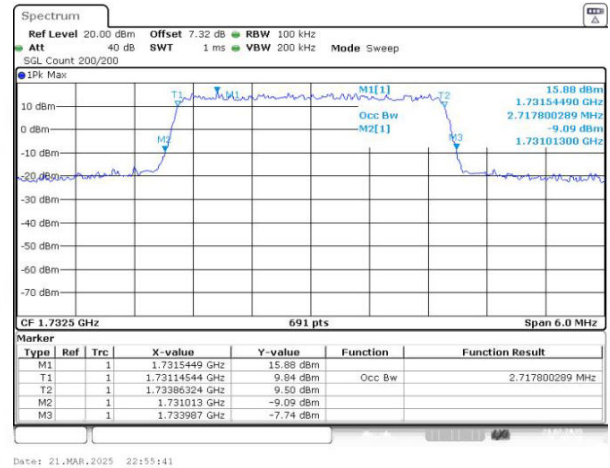


Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0

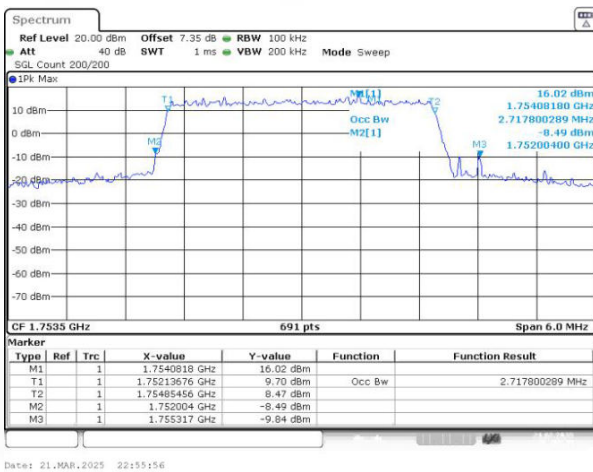
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



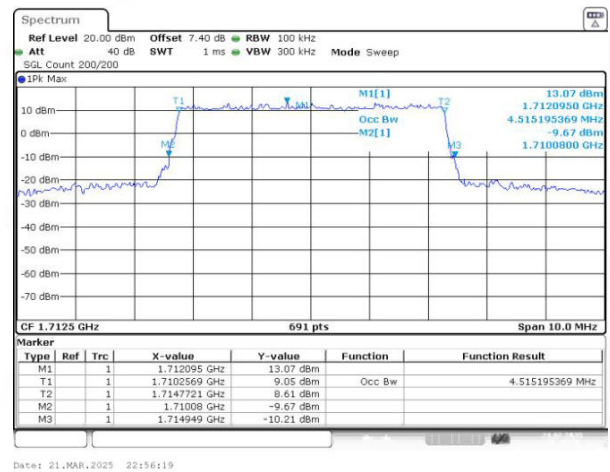
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



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



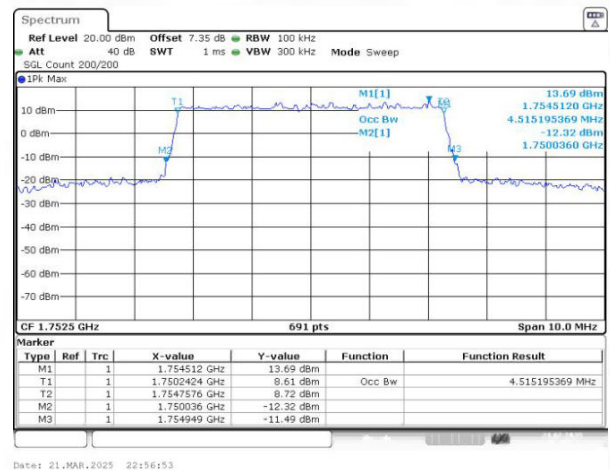
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



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



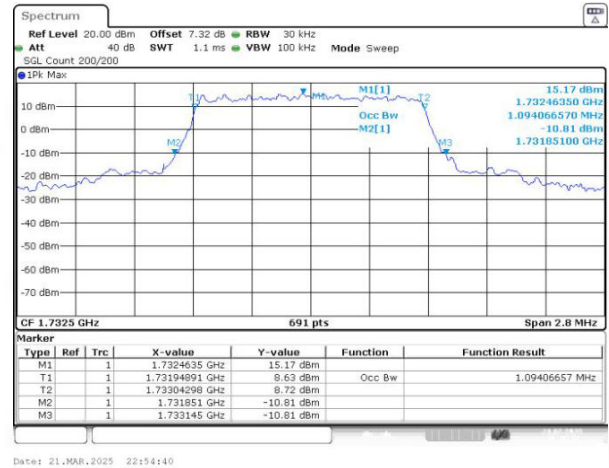
Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



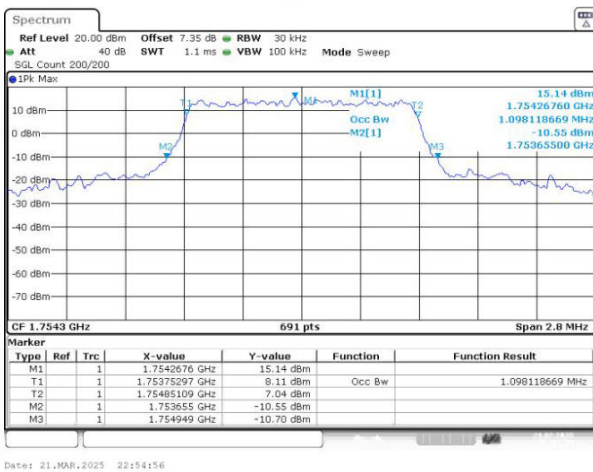
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



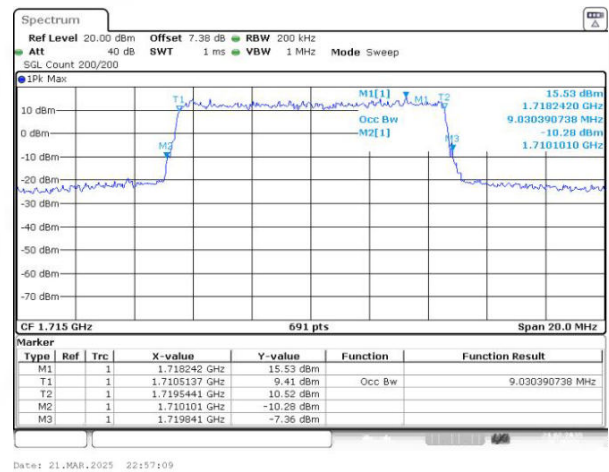
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



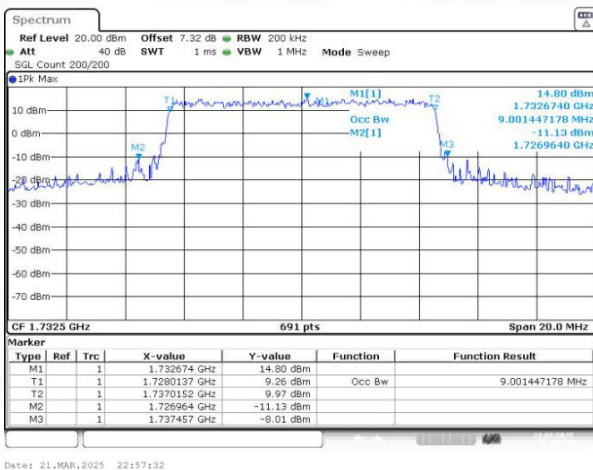
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



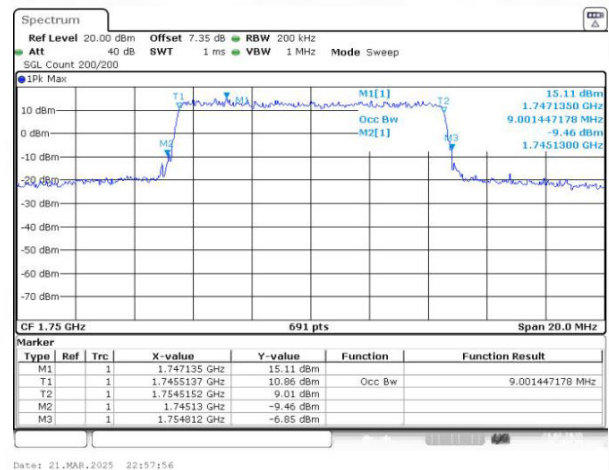
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



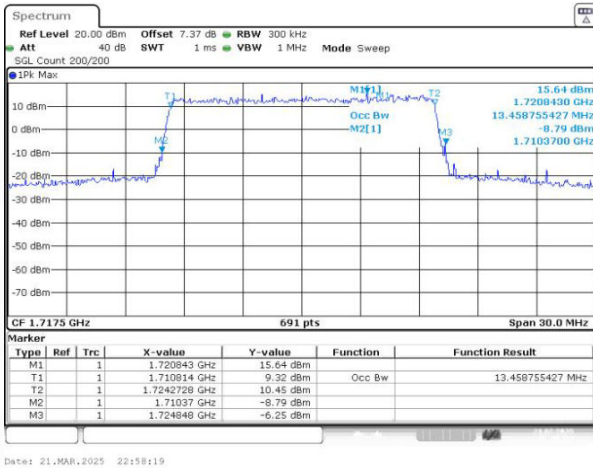
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



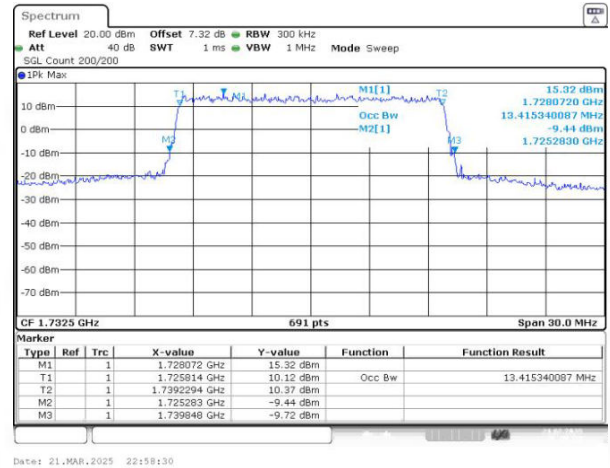
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



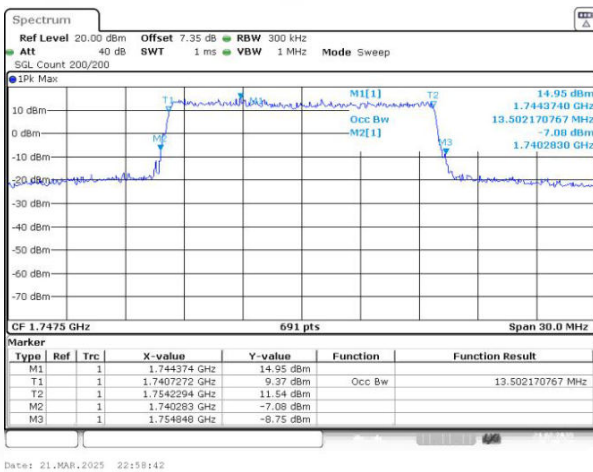
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



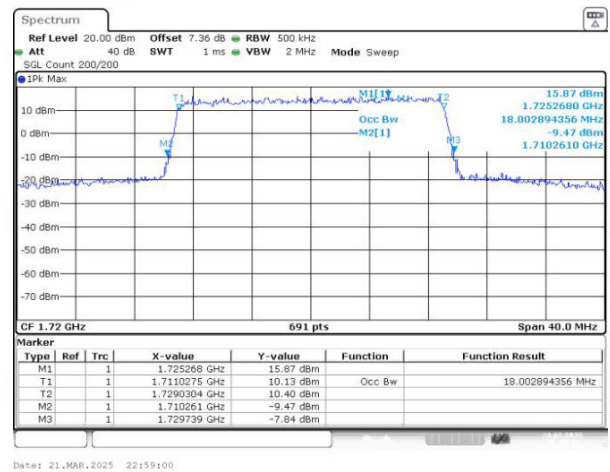
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



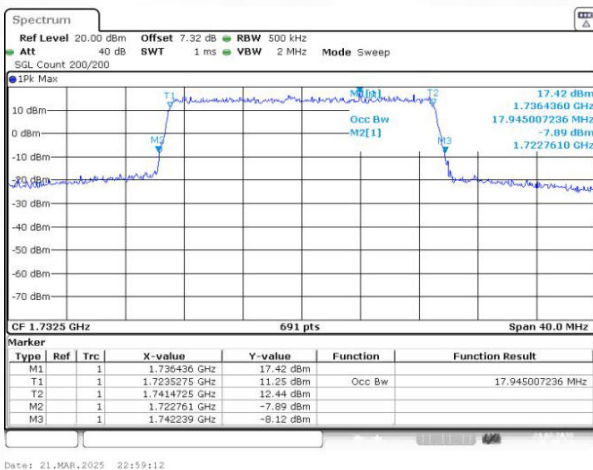
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



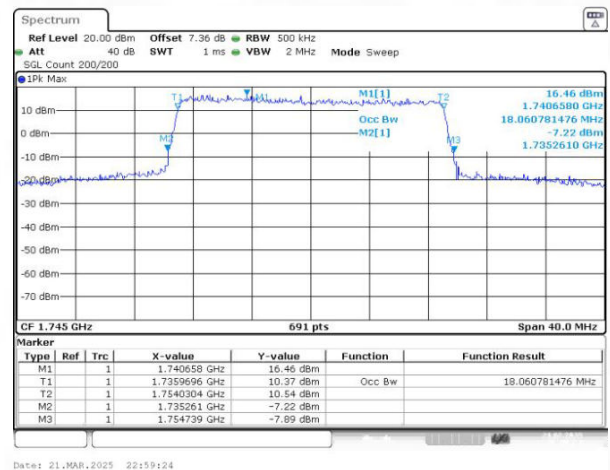
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



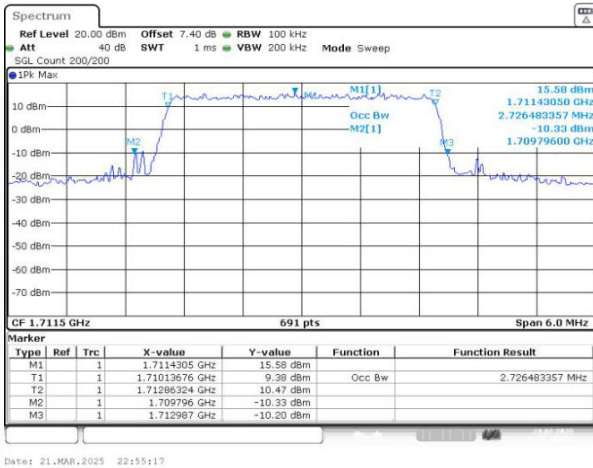
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



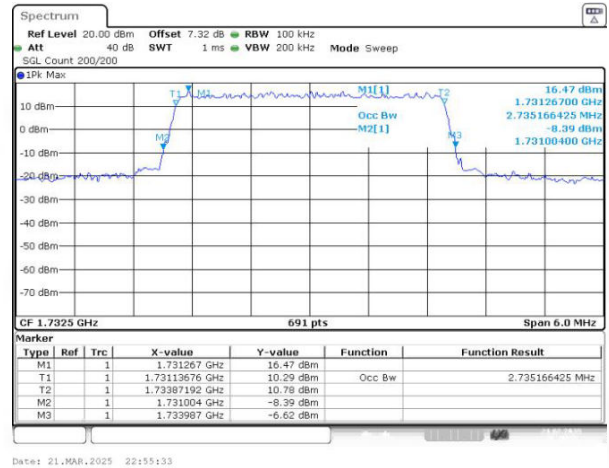
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



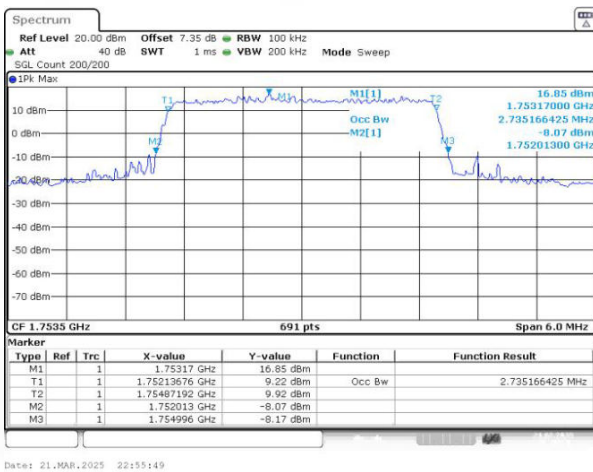
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



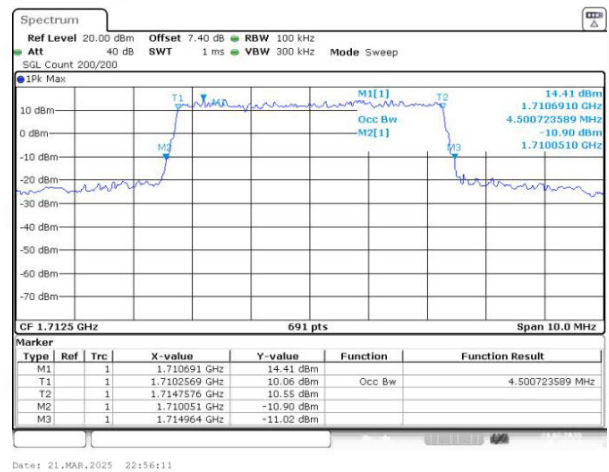
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



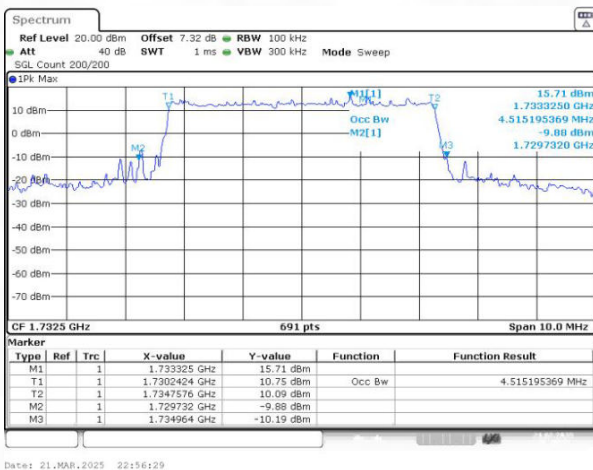
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



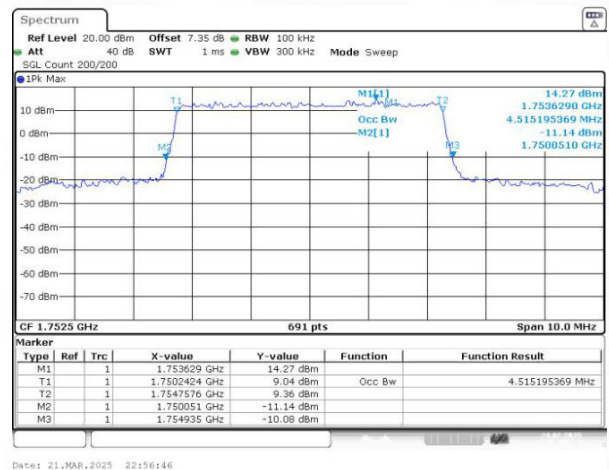
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



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



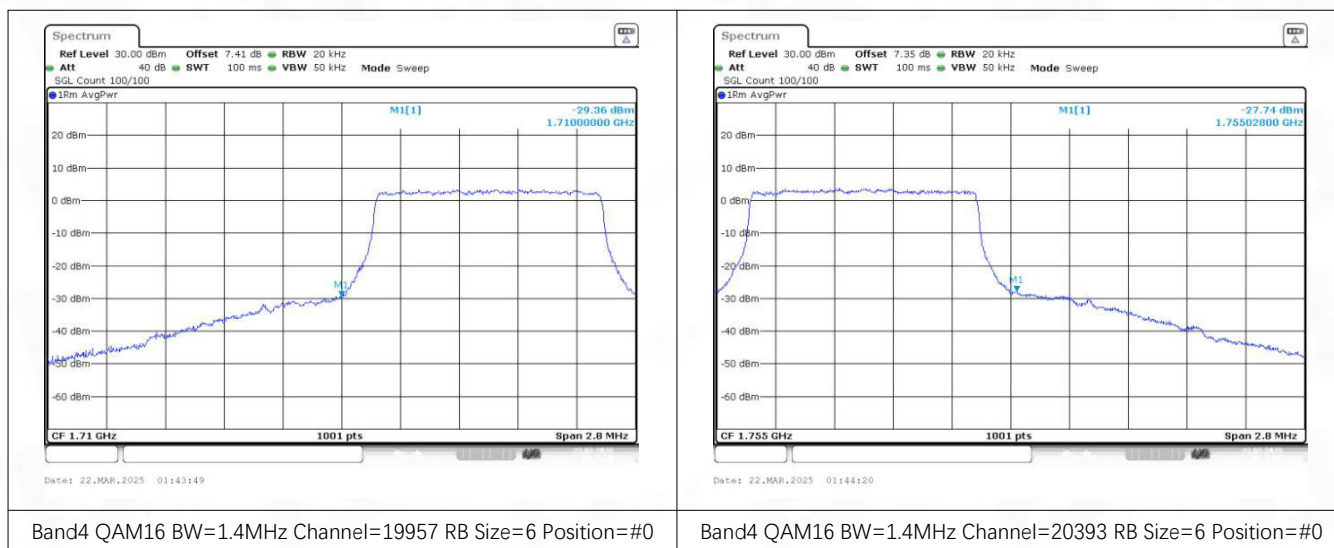
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

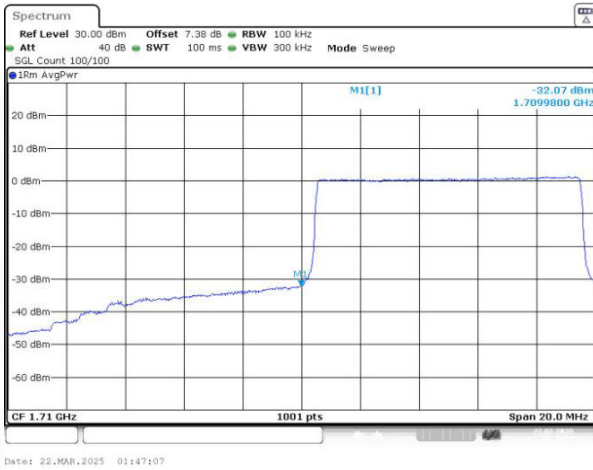


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

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	-29.36	-13	PASS
Band4	1.4	20393	6	#0	QAM16	1755.03	-27.73	-13	PASS
Band4	3	19965	15	#0	QAM16	1710	-31.03	-13	PASS
Band4	3	20385	15	#0	QAM16	1755.01	-29.51	-13	PASS
Band4	5	19975	25	#0	QAM16	1710	-31.01	-13	PASS
Band4	5	20375	25	#0	QAM16	1755	-29.9	-13	PASS
Band4	10	20000	50	#0	QAM16	1709.98	-32.07	-13	PASS
Band4	10	20350	50	#0	QAM16	1755.12	-30.57	-13	PASS
Band4	15	20025	75	#0	QAM16	1707.66	-30.62	-13	PASS
Band4	15	20325	75	#0	QAM16	1757.46	-29.12	-13	PASS
Band4	20	20050	100	#0	QAM16	1710	-31.33	-13	PASS
Band4	20	20300	100	#0	QAM16	1755.08	-31.16	-13	PASS
Band4	1.4	19957	6	#0	QPSK	1710	-28.87	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.02	-27.31	-13	PASS
Band4	3	19965	15	#0	QPSK	1710	-30.54	-13	PASS
Band4	3	20385	15	#0	QPSK	1755	-29.02	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-30.48	-13	PASS
Band4	5	20375	25	#0	QPSK	1755	-29.52	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.98	-31.39	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-29.82	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.94	-30.36	-13	PASS
Band4	15	20325	75	#0	QPSK	1757.46	-28.58	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.96	-30.59	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.04	-30.14	-13	PASS

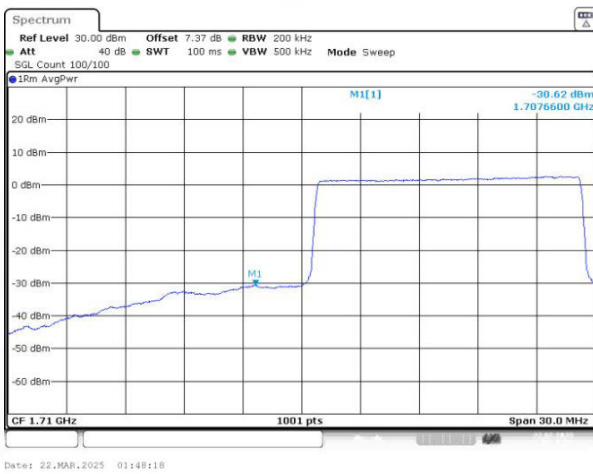




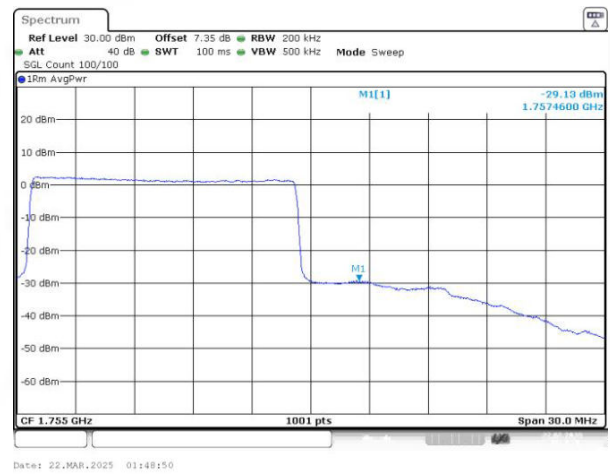
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



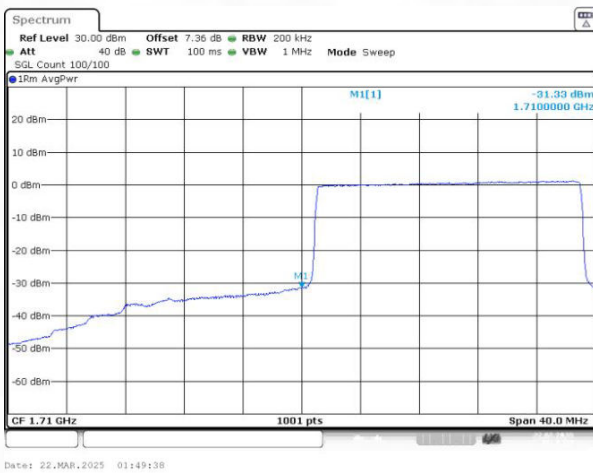
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



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



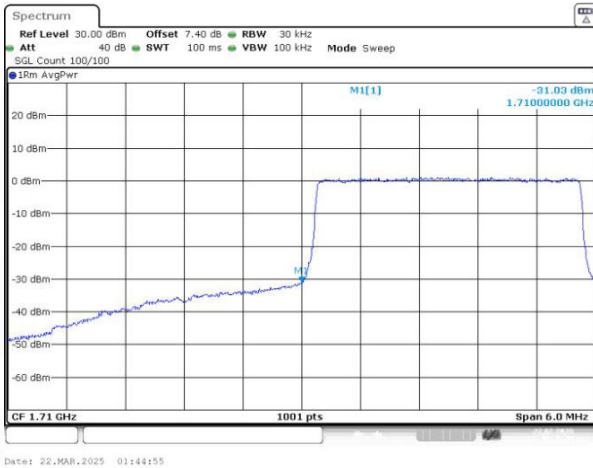
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



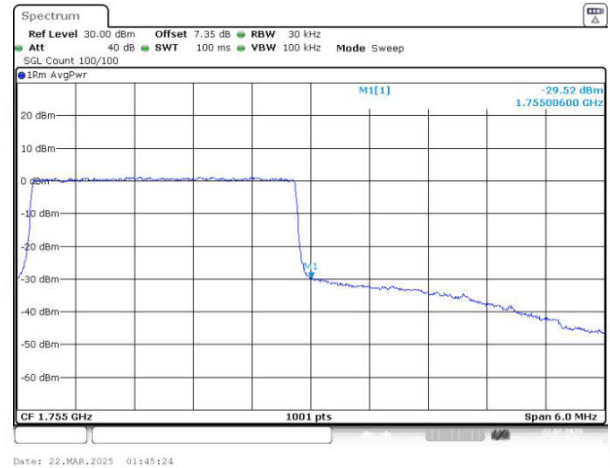
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



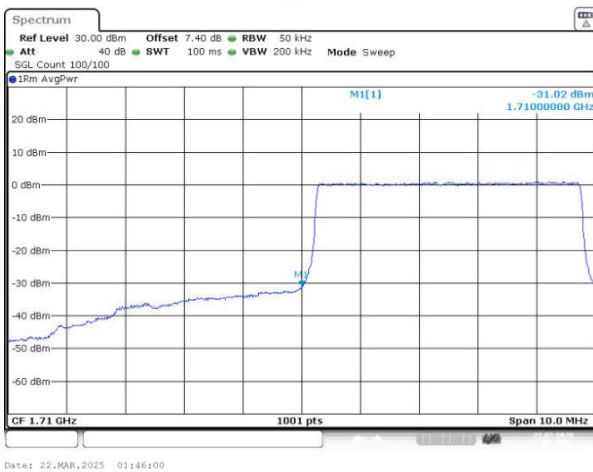
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



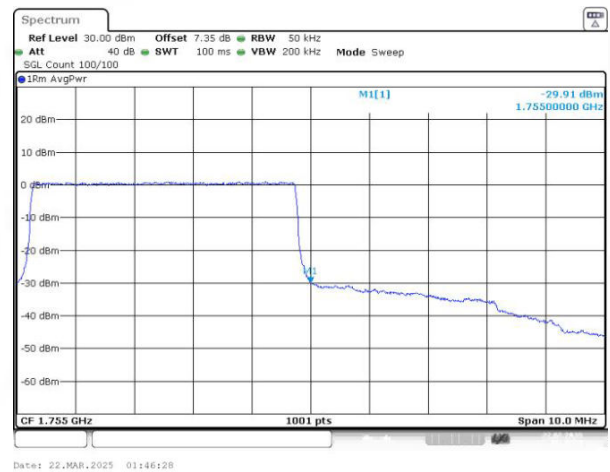
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



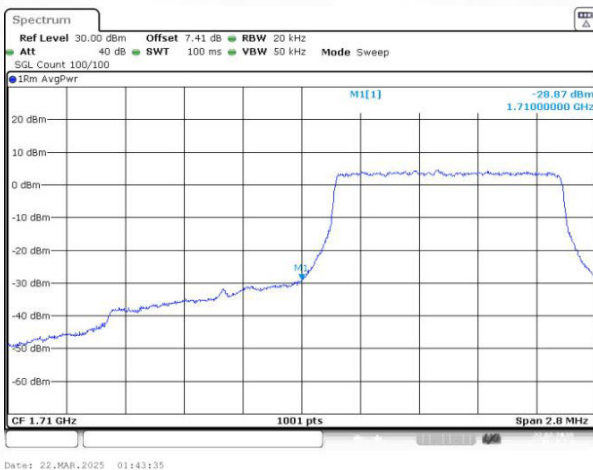
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



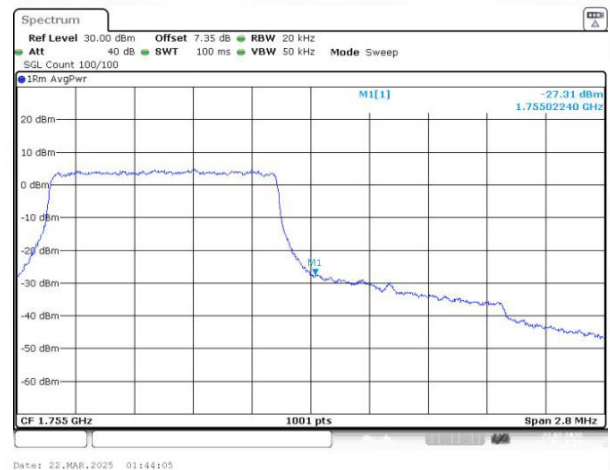
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



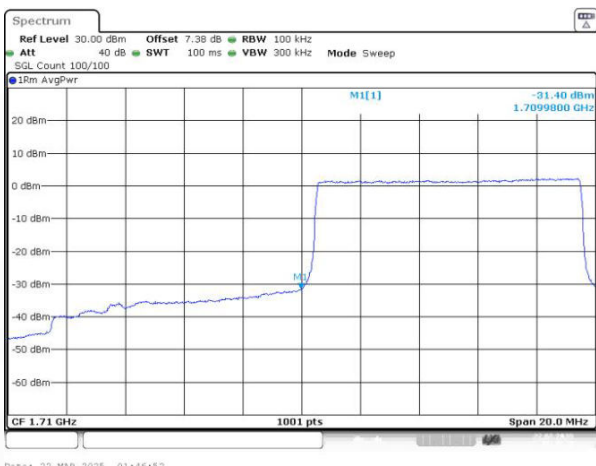
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



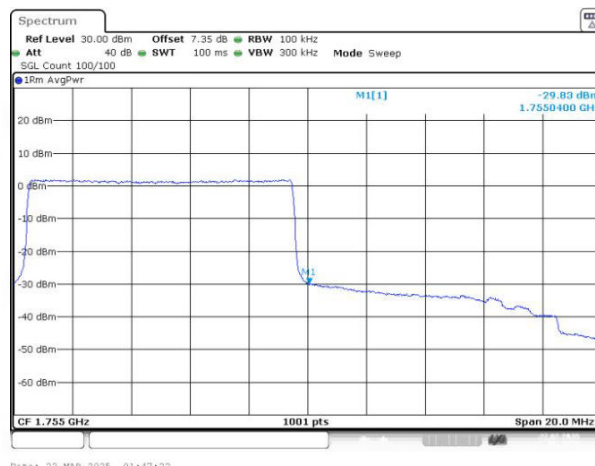
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



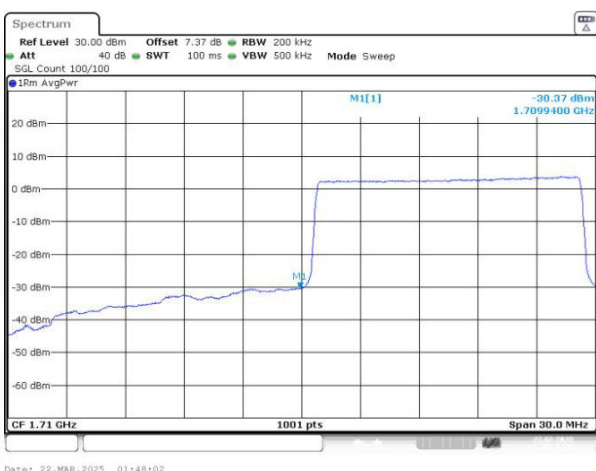
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



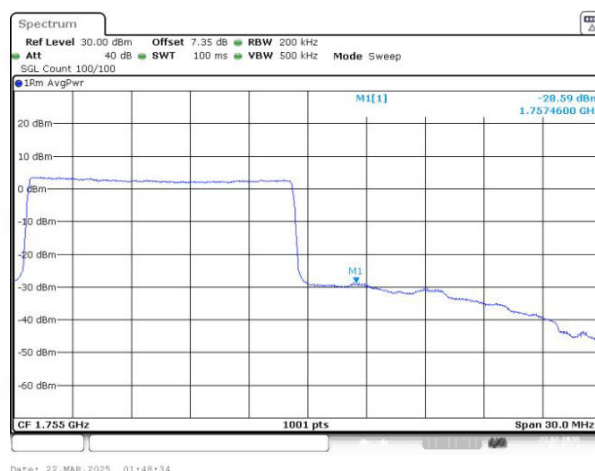
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



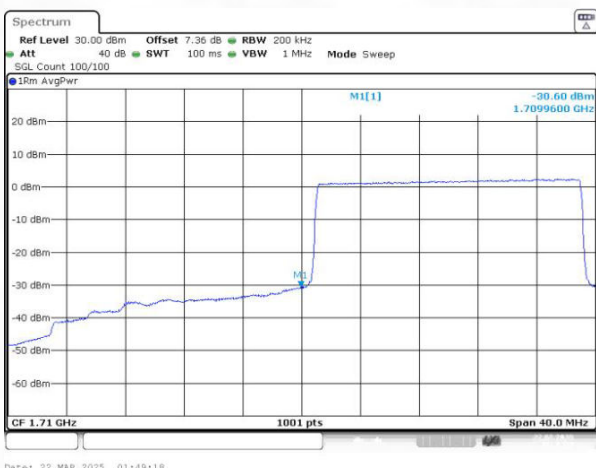
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



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



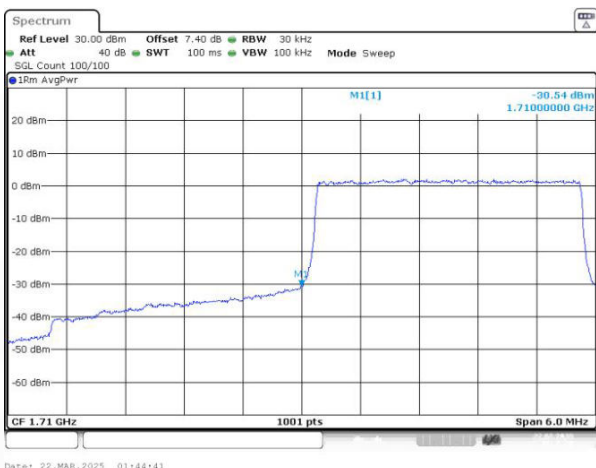
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



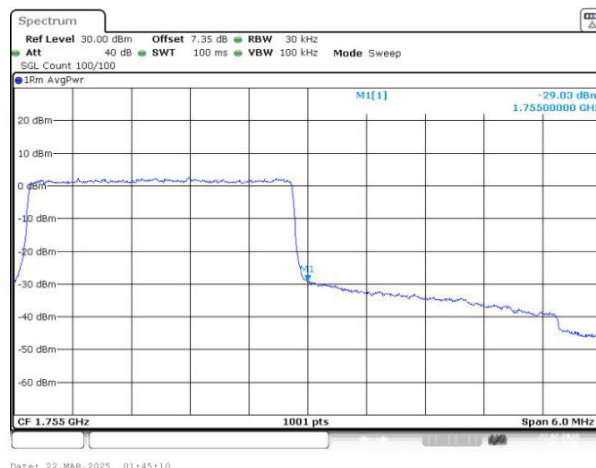
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



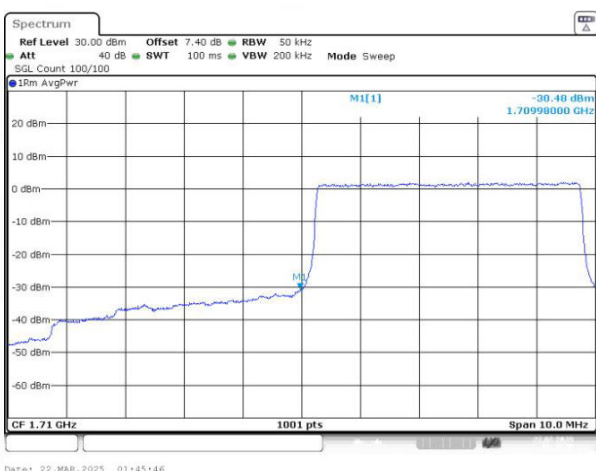
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



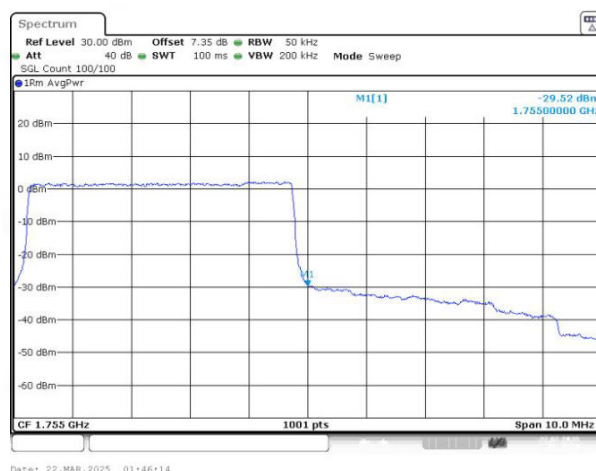
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



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



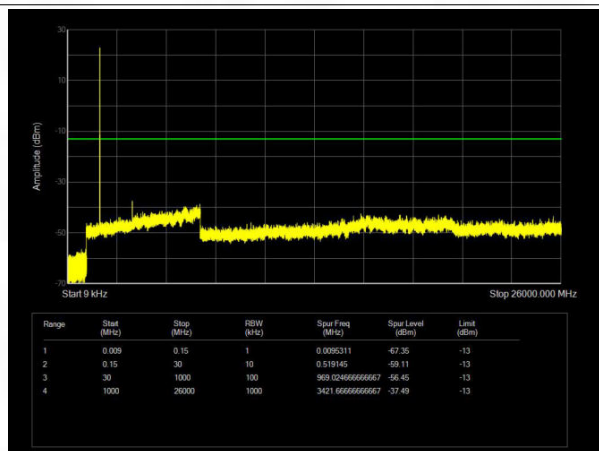
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



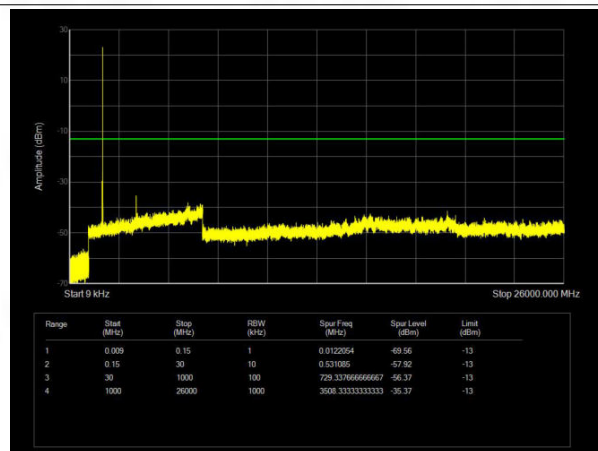
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

Out-of-band emissions

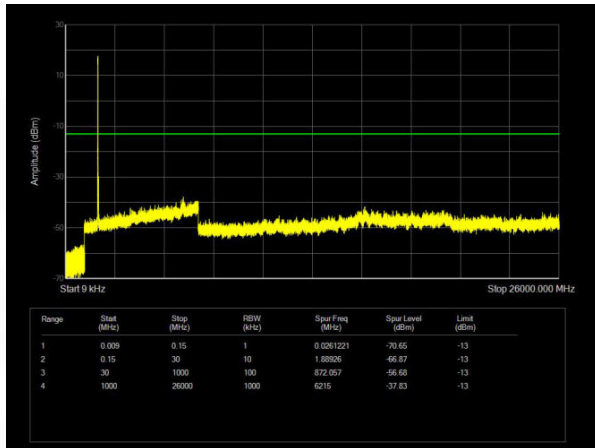
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QAM16	3421.67	-37.49	-13	PASS
Band4	1.4	20393	6	#0	QAM16	3508.33	-35.37	-13	PASS
Band4	3	19965	15	#0	QAM16	6865.83	-38.6	-13	PASS
Band4	3	20385	15	#0	QAM16	3507.5	-37.2	-13	PASS
Band4	5	19975	25	#0	QAM16	6245.83	-38.81	-13	PASS
Band4	5	20375	25	#0	QAM16	3503.33	-39.16	-13	PASS
Band4	10	20000	50	#0	QAM16	6215	-37.83	-13	PASS
Band4	10	20350	50	#0	QAM16	6848.33	-38.5	-13	PASS
Band4	15	20025	75	#0	QAM16	6849.17	-38.39	-13	PASS
Band4	15	20325	75	#0	QAM16	6949.17	-38.83	-13	PASS
Band4	20	20050	100	#0	QAM16	6176.67	-39.1	-13	PASS
Band4	20	20300	100	#0	QAM16	6785	-37.6	-13	PASS
Band4	1.4	19957	6	#0	QPSK	1761.67	-34.4	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1770	-24.94	-13	PASS
Band4	3	19965	15	#0	QPSK	6859.17	-38.1	-13	PASS
Band4	3	20385	15	#0	QPSK	3506.67	-36.62	-13	PASS
Band4	5	19975	25	#0	QPSK	6617.5	-37.89	-13	PASS
Band4	5	20375	25	#0	QPSK	3508.33	-38.95	-13	PASS
Band4	10	20000	50	#0	QPSK	6733.33	-38.5	-13	PASS
Band4	10	20350	50	#0	QPSK	6956.67	-38.83	-13	PASS
Band4	15	20025	75	#0	QPSK	6155	-38.78	-13	PASS
Band4	15	20325	75	#0	QPSK	6826.67	-39.13	-13	PASS
Band4	20	20050	100	#0	QPSK	6170.83	-39.29	-13	PASS
Band4	20	20300	100	#0	QPSK	6972.5	-39.18	-13	PASS



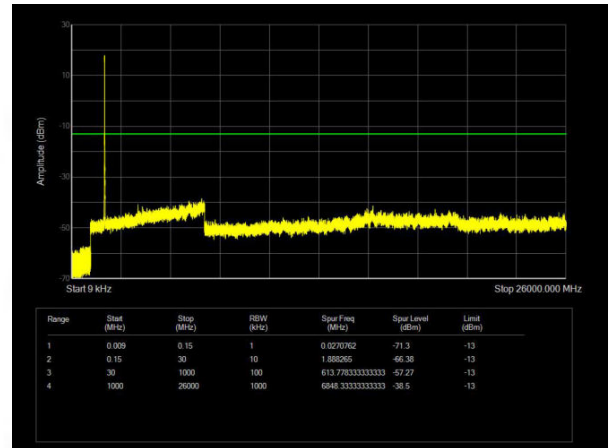
Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0



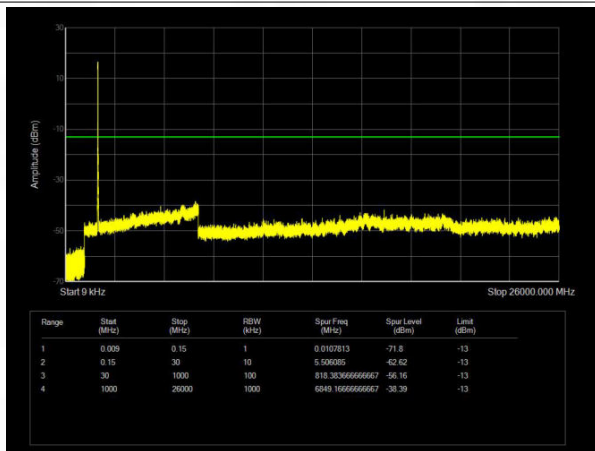
Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0



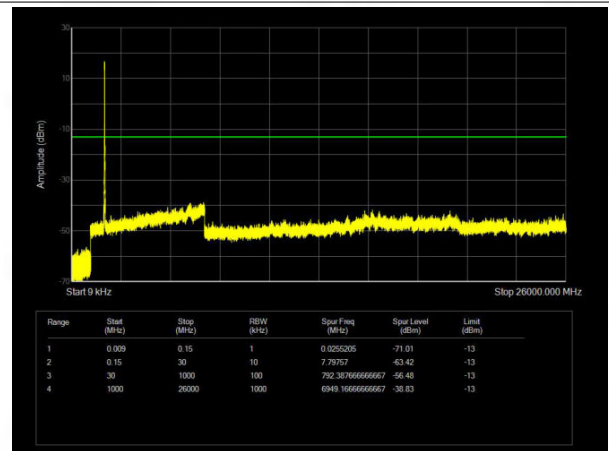
Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



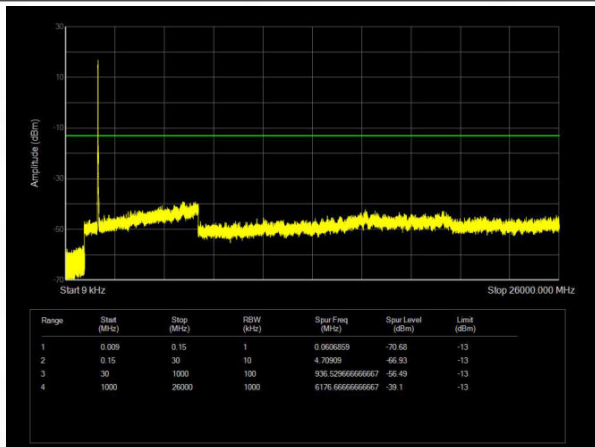
Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



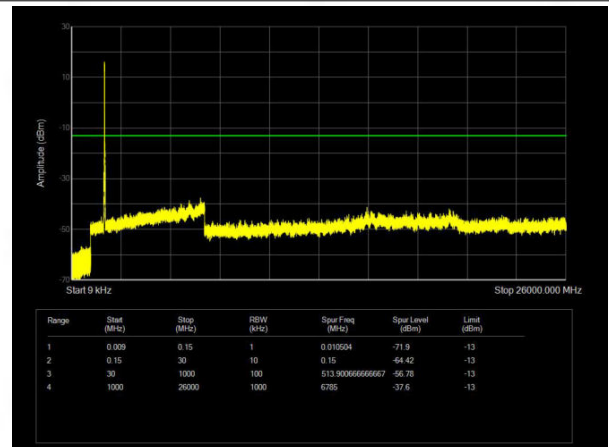
Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



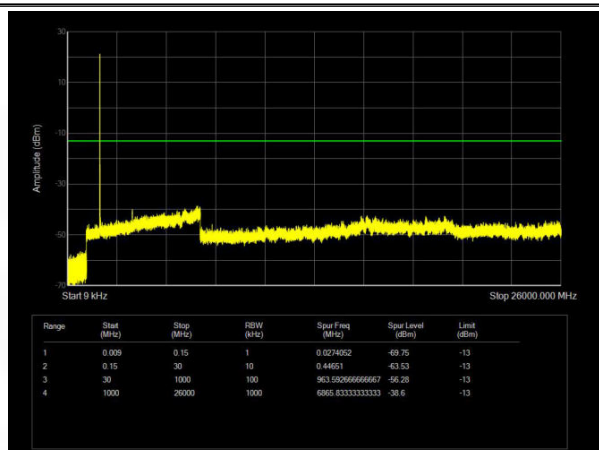
Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



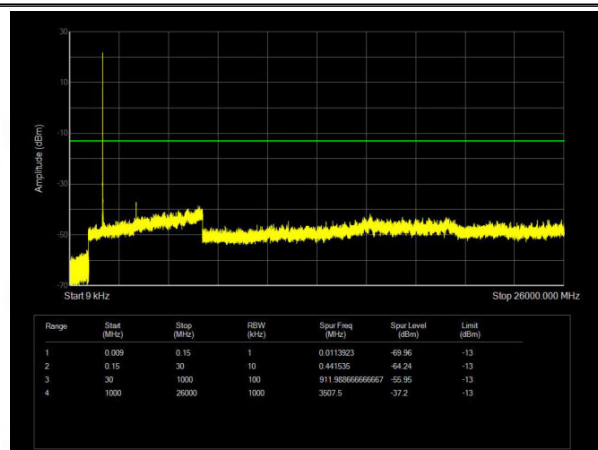
Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



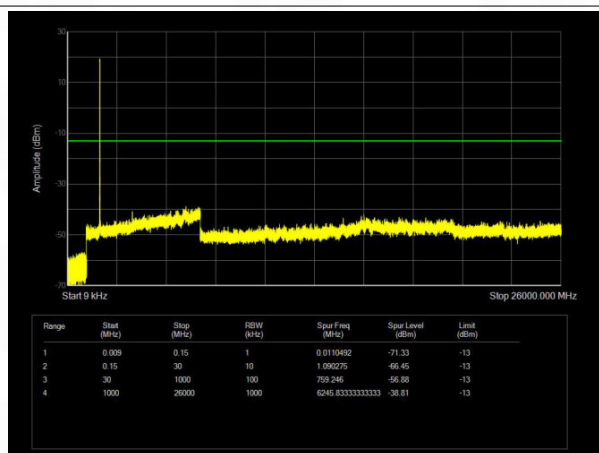
Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0



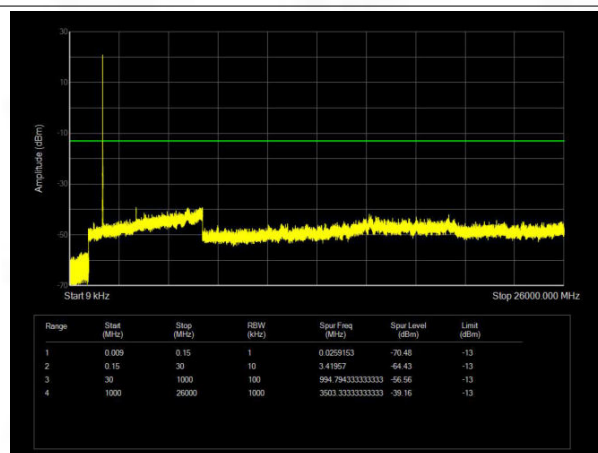
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



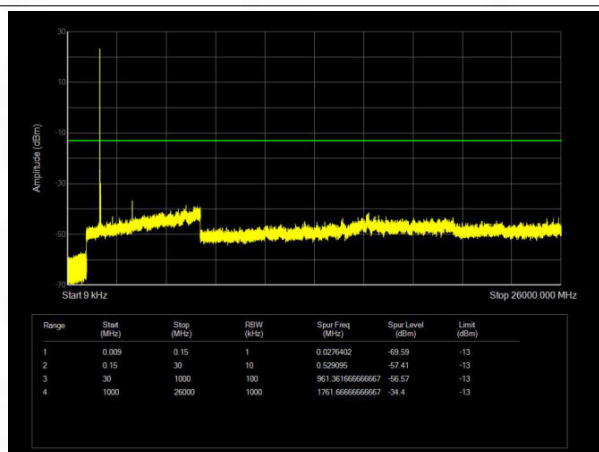
Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



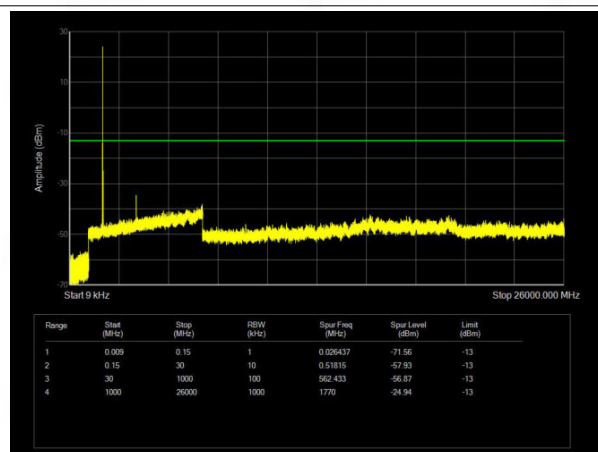
Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



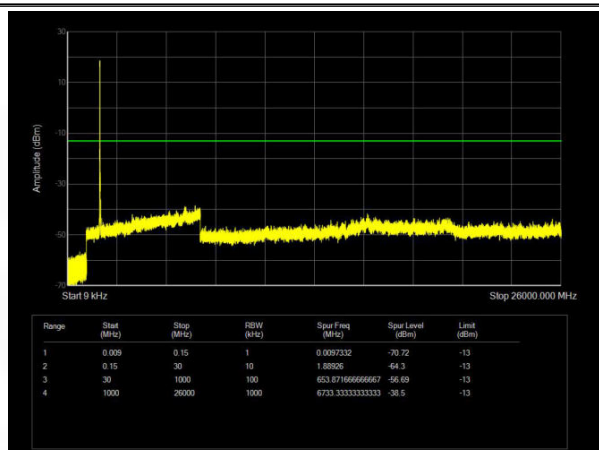
Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



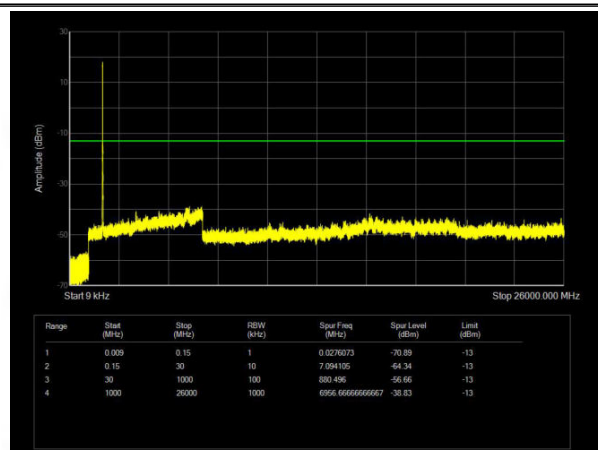
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



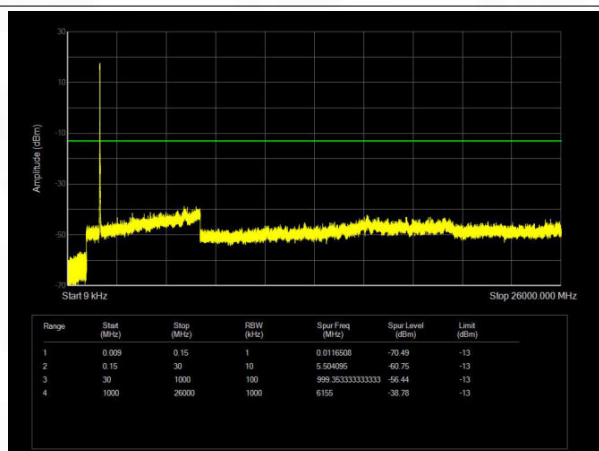
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



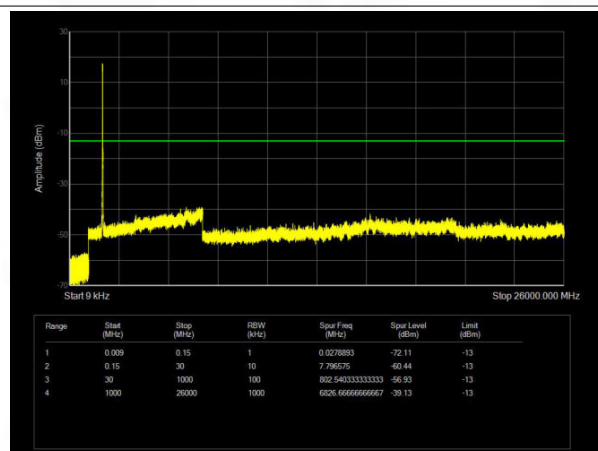
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



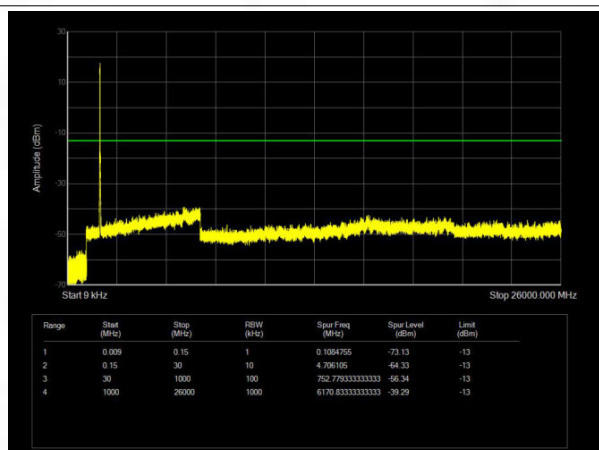
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



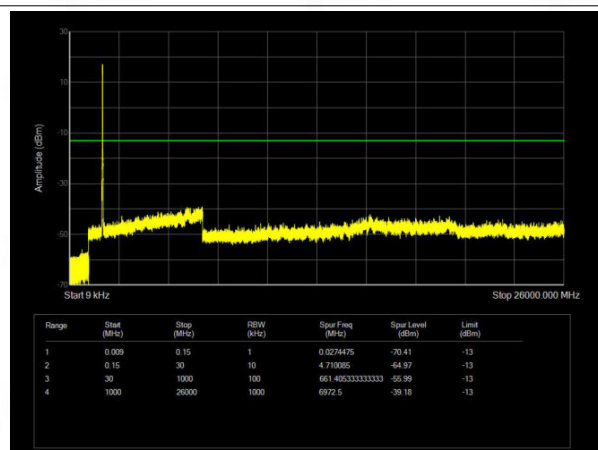
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



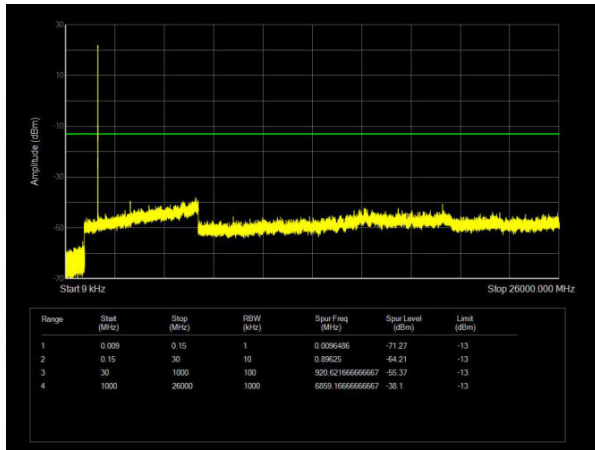
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



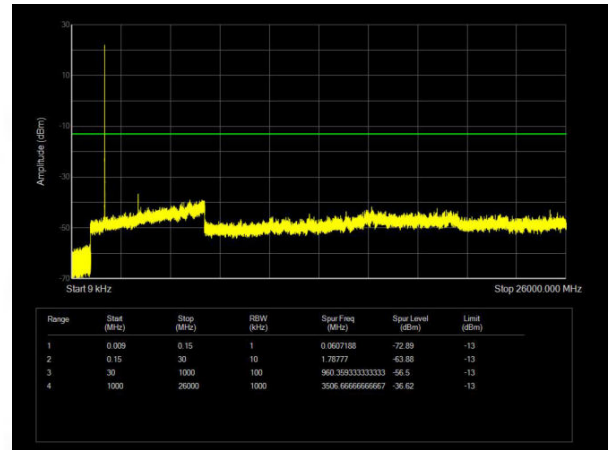
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



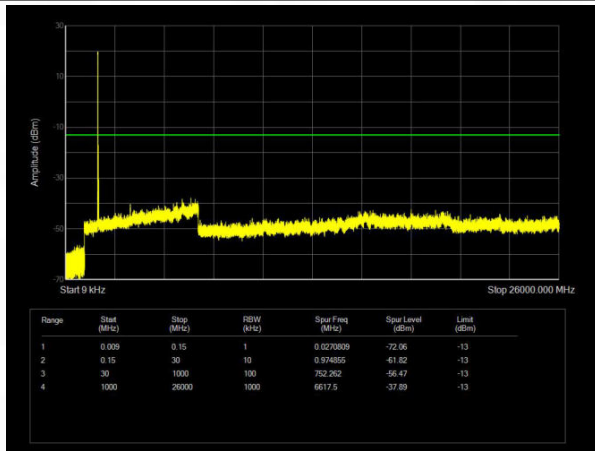
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



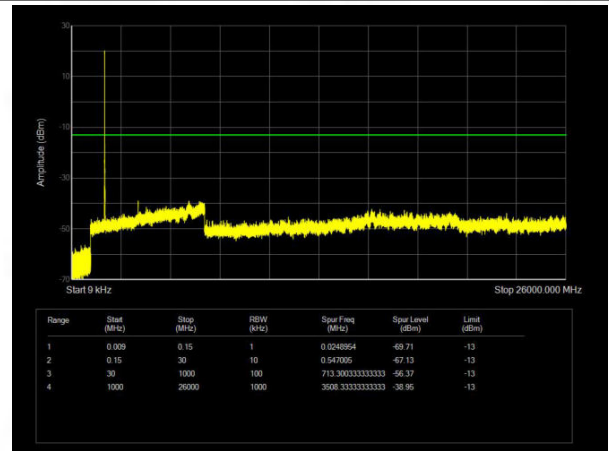
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



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



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



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