

Appendix for Band 4

Report No.: BCTC2404921304-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

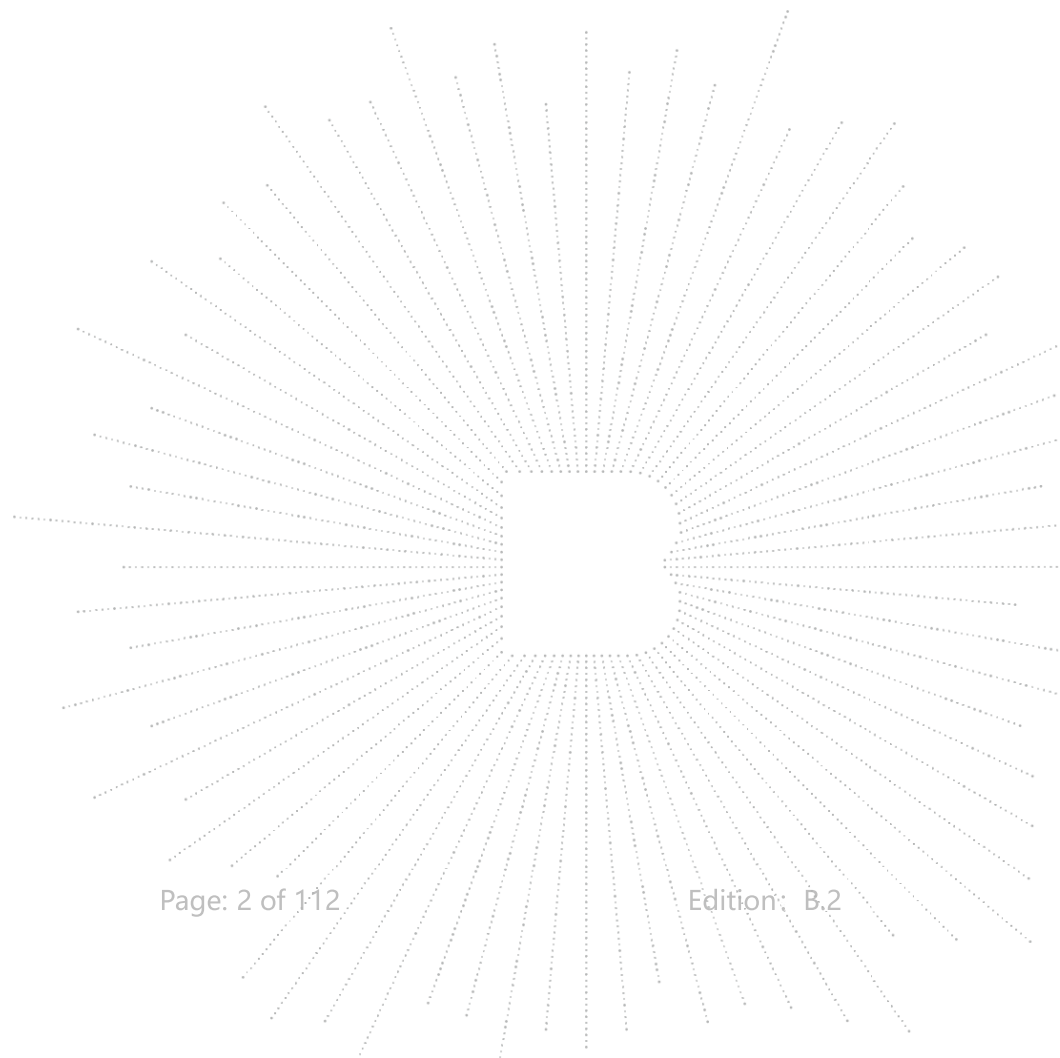
Test Model: F105

Tested Date: 2024-04-17 to 2024-05-20

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	24.15	1.1	25.25	PASS
Band4	1.4	19957	1	#Mid	QPSK	24.35	1.1	25.45	PASS
Band4	1.4	19957	1	#Max	QPSK	24.17	1.1	25.27	PASS
Band4	1.4	19957	3	#0	QPSK	24.13	1.1	25.23	PASS
Band4	1.4	19957	3	#Mid	QPSK	24.15	1.1	25.25	PASS
Band4	1.4	19957	3	#Max	QPSK	24.17	1.1	25.27	PASS
Band4	1.4	19957	6	#0	QPSK	23.21	1.1	24.31	PASS
Band4	1.4	19957	1	#0	16QAM	23.24	1.1	24.34	PASS
Band4	1.4	19957	1	#Mid	16QAM	23.37	1.1	24.47	PASS
Band4	1.4	19957	1	#Max	16QAM	23.23	1.1	24.33	PASS
Band4	1.4	19957	3	#0	16QAM	23.33	1.1	24.43	PASS
Band4	1.4	19957	3	#Mid	16QAM	23.36	1.1	24.46	PASS
Band4	1.4	19957	3	#Max	16QAM	23.34	1.1	24.44	PASS
Band4	1.4	19957	6	#0	16QAM	22.33	1.1	23.43	PASS
Band4	1.4	20175	1	#0	QPSK	24.20	1.1	25.30	PASS
Band4	1.4	20175	1	#Mid	QPSK	24.39	1.1	25.49	PASS
Band4	1.4	20175	1	#Max	QPSK	24.19	1.1	25.29	PASS
Band4	1.4	20175	3	#0	QPSK	24.32	1.1	25.42	PASS
Band4	1.4	20175	3	#Mid	QPSK	24.31	1.1	25.41	PASS
Band4	1.4	20175	3	#Max	QPSK	24.29	1.1	25.39	PASS
Band4	1.4	20175	6	#0	QPSK	23.31	1.1	24.41	PASS
Band4	1.4	20175	1	#0	16QAM	23.44	1.1	24.54	PASS
Band4	1.4	20175	1	#Mid	16QAM	23.54	1.1	24.64	PASS
Band4	1.4	20175	1	#Max	16QAM	23.42	1.1	24.52	PASS
Band4	1.4	20175	3	#0	16QAM	23.52	1.1	24.62	PASS
Band4	1.4	20175	3	#Mid	16QAM	23.52	1.1	24.62	PASS
Band4	1.4	20175	3	#Max	16QAM	23.50	1.1	24.60	PASS
Band4	1.4	20175	6	#0	16QAM	22.44	1.1	23.54	PASS
Band4	1.4	20393	1	#0	QPSK	24.14	1.1	25.24	PASS
Band4	1.4	20393	1	#Mid	QPSK	24.35	1.1	25.45	PASS
Band4	1.4	20393	1	#Max	QPSK	24.19	1.1	25.29	PASS
Band4	1.4	20393	3	#0	QPSK	24.11	1.1	25.21	PASS
Band4	1.4	20393	3	#Mid	QPSK	24.14	1.1	25.24	PASS
Band4	1.4	20393	3	#Max	QPSK	24.13	1.1	25.23	PASS
Band4	1.4	20393	6	#0	QPSK	23.18	1.1	24.28	PASS

Band4	1.4	20393	1	#0	16QAM	22.89	1.1	23.99	PASS
Band4	1.4	20393	1	#Mid	16QAM	23.08	1.1	24.18	PASS
Band4	1.4	20393	1	#Max	16QAM	22.91	1.1	24.01	PASS
Band4	1.4	20393	3	#0	16QAM	23.24	1.1	24.34	PASS
Band4	1.4	20393	3	#Mid	16QAM	23.27	1.1	24.37	PASS
Band4	1.4	20393	3	#Max	16QAM	23.28	1.1	24.38	PASS
Band4	1.4	20393	6	#0	16QAM	22.31	1.1	23.41	PASS
Band4	3	19965	1	#0	QPSK	24.10	1.1	25.20	PASS
Band4	3	19965	1	#Mid	QPSK	24.29	1.1	25.39	PASS
Band4	3	19965	1	#Max	QPSK	24.08	1.1	25.18	PASS
Band4	3	19965	8	#0	QPSK	23.15	1.1	24.25	PASS
Band4	3	19965	8	#Mid	QPSK	23.16	1.1	24.26	PASS
Band4	3	19965	8	#Max	QPSK	23.14	1.1	24.24	PASS
Band4	3	19965	15	#0	QPSK	23.10	1.1	24.20	PASS
Band4	3	19965	1	#0	16QAM	23.53	1.1	24.63	PASS
Band4	3	19965	1	#Mid	16QAM	23.76	1.1	24.86	PASS
Band4	3	19965	1	#Max	16QAM	23.49	1.1	24.59	PASS
Band4	3	19965	8	#0	16QAM	22.11	1.1	23.21	PASS
Band4	3	19965	8	#Mid	16QAM	22.17	1.1	23.27	PASS
Band4	3	19965	8	#Max	16QAM	22.15	1.1	23.25	PASS
Band4	3	19965	15	#0	16QAM	22.14	1.1	23.24	PASS
Band4	3	20175	1	#0	QPSK	24.27	1.1	25.37	PASS
Band4	3	20175	1	#Mid	QPSK	24.51	1.1	25.61	PASS
Band4	3	20175	1	#Max	QPSK	24.25	1.1	25.35	PASS
Band4	3	20175	8	#0	QPSK	23.27	1.1	24.37	PASS
Band4	3	20175	8	#Mid	QPSK	23.29	1.1	24.39	PASS
Band4	3	20175	8	#Max	QPSK	23.29	1.1	24.39	PASS
Band4	3	20175	15	#0	QPSK	23.27	1.1	24.37	PASS
Band4	3	20175	1	#0	16QAM	23.44	1.1	24.54	PASS
Band4	3	20175	1	#Mid	16QAM	23.68	1.1	24.78	PASS
Band4	3	20175	1	#Max	16QAM	23.41	1.1	24.51	PASS
Band4	3	20175	8	#0	16QAM	22.26	1.1	23.36	PASS
Band4	3	20175	8	#Mid	16QAM	22.28	1.1	23.38	PASS
Band4	3	20175	8	#Max	16QAM	22.28	1.1	23.38	PASS
Band4	3	20175	15	#0	16QAM	22.21	1.1	23.31	PASS
Band4	3	20385	1	#0	QPSK	24.18	1.1	25.28	PASS
Band4	3	20385	1	#Mid	QPSK	24.40	1.1	25.50	PASS
Band4	3	20385	1	#Max	QPSK	24.24	1.1	25.34	PASS
Band4	3	20385	8	#0	QPSK	23.15	1.1	24.25	PASS
Band4	3	20385	8	#Mid	QPSK	23.17	1.1	24.27	PASS
Band4	3	20385	8	#Max	QPSK	23.13	1.1	24.23	PASS
Band4	3	20385	15	#0	QPSK	23.10	1.1	24.20	PASS

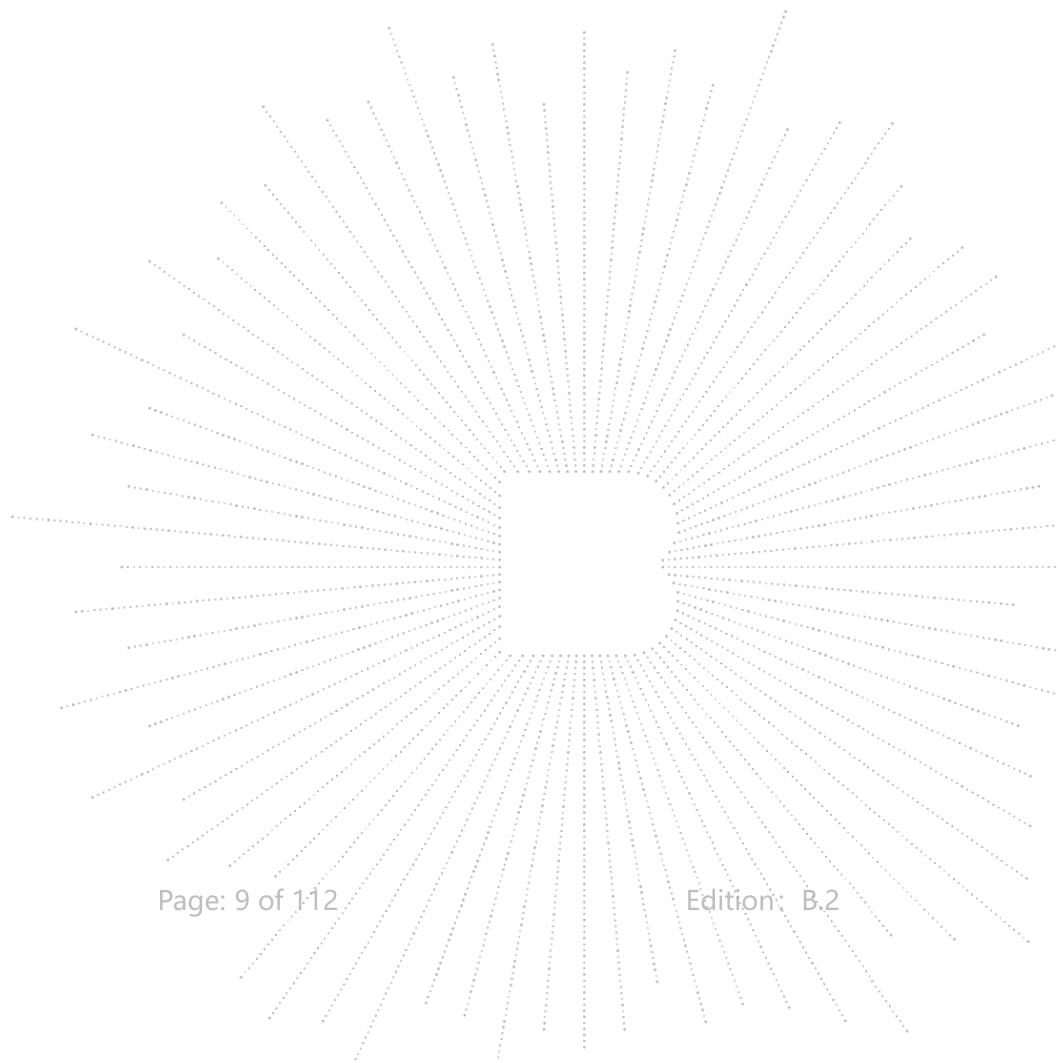
Band4	3	20385	1	#0	16QAM	22.93	1.1	24.03	PASS
Band4	3	20385	1	#Mid	16QAM	23.16	1.1	24.26	PASS
Band4	3	20385	1	#Max	16QAM	22.96	1.1	24.06	PASS
Band4	3	20385	8	#0	16QAM	22.09	1.1	23.19	PASS
Band4	3	20385	8	#Mid	16QAM	22.10	1.1	23.20	PASS
Band4	3	20385	8	#Max	16QAM	22.09	1.1	23.19	PASS
Band4	3	20385	15	#0	16QAM	22.17	1.1	23.27	PASS
Band4	5	19975	1	#0	QPSK	24.02	1.1	25.12	PASS
Band4	5	19975	1	#Mid	QPSK	24.30	1.1	25.40	PASS
Band4	5	19975	1	#Max	QPSK	24.06	1.1	25.16	PASS
Band4	5	19975	12	#0	QPSK	23.13	1.1	24.23	PASS
Band4	5	19975	12	#Mid	QPSK	23.16	1.1	24.26	PASS
Band4	5	19975	12	#Max	QPSK	23.10	1.1	24.20	PASS
Band4	5	19975	25	#0	QPSK	23.12	1.1	24.22	PASS
Band4	5	19975	1	#0	16QAM	23.51	1.1	24.61	PASS
Band4	5	19975	1	#Mid	16QAM	23.82	1.1	24.92	PASS
Band4	5	19975	1	#Max	16QAM	23.55	1.1	24.65	PASS
Band4	5	19975	12	#0	16QAM	22.11	1.1	23.21	PASS
Band4	5	19975	12	#Mid	16QAM	22.17	1.1	23.27	PASS
Band4	5	19975	12	#Max	16QAM	22.13	1.1	23.23	PASS
Band4	5	19975	25	#0	16QAM	22.11	1.1	23.21	PASS
Band4	5	20175	1	#0	QPSK	24.21	1.1	25.31	PASS
Band4	5	20175	1	#Mid	QPSK	24.62	1.1	25.72	PASS
Band4	5	20175	1	#Max	QPSK	24.26	1.1	25.36	PASS
Band4	5	20175	12	#0	QPSK	23.31	1.1	24.41	PASS
Band4	5	20175	12	#Mid	QPSK	23.33	1.1	24.43	PASS
Band4	5	20175	12	#Max	QPSK	23.30	1.1	24.40	PASS
Band4	5	20175	25	#0	QPSK	23.30	1.1	24.40	PASS
Band4	5	20175	1	#0	16QAM	23.56	1.1	24.66	PASS
Band4	5	20175	1	#Mid	16QAM	23.84	1.1	24.94	PASS
Band4	5	20175	1	#Max	16QAM	23.50	1.1	24.60	PASS
Band4	5	20175	12	#0	16QAM	22.27	1.1	23.37	PASS
Band4	5	20175	12	#Mid	16QAM	22.28	1.1	23.38	PASS
Band4	5	20175	12	#Max	16QAM	22.26	1.1	23.36	PASS
Band4	5	20175	25	#0	16QAM	22.32	1.1	23.42	PASS
Band4	5	20375	1	#0	QPSK	23.95	1.1	25.05	PASS
Band4	5	20375	1	#Mid	QPSK	24.31	1.1	25.41	PASS
Band4	5	20375	1	#Max	QPSK	24.01	1.1	25.11	PASS
Band4	5	20375	12	#0	QPSK	23.07	1.1	24.17	PASS
Band4	5	20375	12	#Mid	QPSK	23.15	1.1	24.25	PASS
Band4	5	20375	12	#Max	QPSK	23.09	1.1	24.19	PASS
Band4	5	20375	25	#0	QPSK	23.11	1.1	24.21	PASS

Band4	5	20375	1	#0	16QAM	23.20	1.1	24.30	PASS
Band4	5	20375	1	#Mid	16QAM	23.54	1.1	24.64	PASS
Band4	5	20375	1	#Max	16QAM	23.31	1.1	24.41	PASS
Band4	5	20375	12	#0	16QAM	22.05	1.1	23.15	PASS
Band4	5	20375	12	#Mid	16QAM	22.15	1.1	23.25	PASS
Band4	5	20375	12	#Max	16QAM	22.09	1.1	23.19	PASS
Band4	5	20375	25	#0	16QAM	22.07	1.1	23.17	PASS
Band4	10	20000	1	#0	QPSK	24.09	1.1	25.19	PASS
Band4	10	20000	1	#Mid	QPSK	24.26	1.1	25.36	PASS
Band4	10	20000	1	#Max	QPSK	24.19	1.1	25.29	PASS
Band4	10	20000	25	#0	QPSK	23.17	1.1	24.27	PASS
Band4	10	20000	25	#Mid	QPSK	23.18	1.1	24.28	PASS
Band4	10	20000	25	#Max	QPSK	23.29	1.1	24.39	PASS
Band4	10	20000	50	#0	QPSK	23.24	1.1	24.34	PASS
Band4	10	20000	1	#0	16QAM	23.26	1.1	24.36	PASS
Band4	10	20000	1	#Mid	16QAM	23.41	1.1	24.51	PASS
Band4	10	20000	1	#Max	16QAM	23.38	1.1	24.48	PASS
Band4	10	20000	25	#0	16QAM	22.20	1.1	23.30	PASS
Band4	10	20000	25	#Mid	16QAM	22.20	1.1	23.30	PASS
Band4	10	20000	25	#Max	16QAM	22.27	1.1	23.37	PASS
Band4	10	20000	50	#0	16QAM	22.24	1.1	23.34	PASS
Band4	10	20175	1	#0	QPSK	24.34	1.1	25.44	PASS
Band4	10	20175	1	#Mid	QPSK	24.48	1.1	25.58	PASS
Band4	10	20175	1	#Max	QPSK	24.34	1.1	25.44	PASS
Band4	10	20175	25	#0	QPSK	23.34	1.1	24.44	PASS
Band4	10	20175	25	#Mid	QPSK	23.30	1.1	24.40	PASS
Band4	10	20175	25	#Max	QPSK	23.37	1.1	24.47	PASS
Band4	10	20175	50	#0	QPSK	23.34	1.1	24.44	PASS
Band4	10	20175	1	#0	16QAM	23.16	1.1	24.26	PASS
Band4	10	20175	1	#Mid	16QAM	23.25	1.1	24.35	PASS
Band4	10	20175	1	#Max	16QAM	23.06	1.1	24.16	PASS
Band4	10	20175	25	#0	16QAM	22.38	1.1	23.48	PASS
Band4	10	20175	25	#Mid	16QAM	22.29	1.1	23.39	PASS
Band4	10	20175	25	#Max	16QAM	22.39	1.1	23.49	PASS
Band4	10	20175	50	#0	16QAM	22.29	1.1	23.39	PASS
Band4	10	20350	1	#0	QPSK	24.11	1.1	25.21	PASS
Band4	10	20350	1	#Mid	QPSK	24.24	1.1	25.34	PASS
Band4	10	20350	1	#Max	QPSK	24.11	1.1	25.21	PASS
Band4	10	20350	25	#0	QPSK	23.17	1.1	24.27	PASS
Band4	10	20350	25	#Mid	QPSK	23.11	1.1	24.21	PASS
Band4	10	20350	25	#Max	QPSK	23.15	1.1	24.25	PASS
Band4	10	20350	50	#0	QPSK	23.13	1.1	24.23	PASS

Band4	10	20350	1	#0	16QAM	23.41	1.1	24.51	PASS
Band4	10	20350	1	#Mid	16QAM	23.54	1.1	24.64	PASS
Band4	10	20350	1	#Max	16QAM	23.45	1.1	24.55	PASS
Band4	10	20350	25	#0	16QAM	22.14	1.1	23.24	PASS
Band4	10	20350	25	#Mid	16QAM	22.11	1.1	23.21	PASS
Band4	10	20350	25	#Max	16QAM	22.18	1.1	23.28	PASS
Band4	10	20350	50	#0	16QAM	22.13	1.1	23.23	PASS
Band4	15	20025	1	#0	QPSK	23.98	1.1	25.08	PASS
Band4	15	20025	1	#Mid	QPSK	24.35	1.1	25.45	PASS
Band4	15	20025	1	#Max	QPSK	24.14	1.1	25.24	PASS
Band4	15	20025	36	#0	QPSK	23.26	1.1	24.36	PASS
Band4	15	20025	36	#Mid	QPSK	23.32	1.1	24.42	PASS
Band4	15	20025	36	#Max	QPSK	23.33	1.1	24.43	PASS
Band4	15	20025	75	#0	QPSK	23.35	1.1	24.45	PASS
Band4	15	20025	1	#0	16QAM	23.21	1.1	24.31	PASS
Band4	15	20025	1	#Mid	16QAM	23.67	1.1	24.77	PASS
Band4	15	20025	1	#Max	16QAM	23.33	1.1	24.43	PASS
Band4	15	20025	36	#0	16QAM	22.25	1.1	23.35	PASS
Band4	15	20025	36	#Mid	16QAM	22.33	1.1	23.43	PASS
Band4	15	20025	36	#Max	16QAM	22.34	1.1	23.44	PASS
Band4	15	20025	75	#0	16QAM	22.26	1.1	23.36	PASS
Band4	15	20175	1	#0	QPSK	24.23	1.1	25.33	PASS
Band4	15	20175	1	#Mid	QPSK	24.70	1.1	25.80	PASS
Band4	15	20175	1	#Max	QPSK	24.20	1.1	25.30	PASS
Band4	15	20175	36	#0	QPSK	23.39	1.1	24.49	PASS
Band4	15	20175	36	#Mid	QPSK	23.44	1.1	24.54	PASS
Band4	15	20175	36	#Max	QPSK	23.46	1.1	24.56	PASS
Band4	15	20175	75	#0	QPSK	23.45	1.1	24.55	PASS
Band4	15	20175	1	#0	16QAM	23.29	1.1	24.39	PASS
Band4	15	20175	1	#Mid	16QAM	23.59	1.1	24.69	PASS
Band4	15	20175	1	#Max	16QAM	23.18	1.1	24.28	PASS
Band4	15	20175	36	#0	16QAM	22.24	1.1	23.34	PASS
Band4	15	20175	36	#Mid	16QAM	22.35	1.1	23.45	PASS
Band4	15	20175	36	#Max	16QAM	22.34	1.1	23.44	PASS
Band4	15	20175	75	#0	16QAM	22.40	1.1	23.50	PASS
Band4	15	20325	1	#0	QPSK	24.05	1.1	25.15	PASS
Band4	15	20325	1	#Mid	QPSK	24.49	1.1	25.59	PASS
Band4	15	20325	1	#Max	QPSK	23.97	1.1	25.07	PASS
Band4	15	20325	36	#0	QPSK	23.29	1.1	24.39	PASS
Band4	15	20325	36	#Mid	QPSK	23.34	1.1	24.44	PASS
Band4	15	20325	36	#Max	QPSK	23.30	1.1	24.40	PASS
Band4	15	20325	75	#0	QPSK	23.32	1.1	24.42	PASS

Band4	15	20325	1	#0	16QAM	23.38	1.1	24.48	PASS
Band4	15	20325	1	#Mid	16QAM	23.66	1.1	24.76	PASS
Band4	15	20325	1	#Max	16QAM	23.36	1.1	24.46	PASS
Band4	15	20325	36	#0	16QAM	22.21	1.1	23.31	PASS
Band4	15	20325	36	#Mid	16QAM	22.24	1.1	23.34	PASS
Band4	15	20325	36	#Max	16QAM	22.19	1.1	23.29	PASS
Band4	15	20325	75	#0	16QAM	22.21	1.1	23.31	PASS
Band4	20	20050	1	#0	QPSK	23.89	1.1	24.99	PASS
Band4	20	20050	1	#Mid	QPSK	24.39	1.1	25.49	PASS
Band4	20	20050	1	#Max	QPSK	24.11	1.1	25.21	PASS
Band4	20	20050	50	#0	QPSK	23.19	1.1	24.29	PASS
Band4	20	20050	50	#Mid	QPSK	23.28	1.1	24.38	PASS
Band4	20	20050	50	#Max	QPSK	23.26	1.1	24.36	PASS
Band4	20	20050	100	#0	QPSK	23.23	1.1	24.33	PASS
Band4	20	20050	1	#0	16QAM	23.07	1.1	24.17	PASS
Band4	20	20050	1	#Mid	16QAM	23.55	1.1	24.65	PASS
Band4	20	20050	1	#Max	16QAM	23.33	1.1	24.43	PASS
Band4	20	20050	50	#0	16QAM	22.14	1.1	23.24	PASS
Band4	20	20050	50	#Mid	16QAM	22.28	1.1	23.38	PASS
Band4	20	20050	50	#Max	16QAM	22.25	1.1	23.35	PASS
Band4	20	20050	100	#0	16QAM	22.25	1.1	23.35	PASS
Band4	20	20175	1	#0	QPSK	23.98	1.1	25.08	PASS
Band4	20	20175	1	#Mid	QPSK	24.48	1.1	25.58	PASS
Band4	20	20175	1	#Max	QPSK	23.91	1.1	25.01	PASS
Band4	20	20175	50	#0	QPSK	23.29	1.1	24.39	PASS
Band4	20	20175	50	#Mid	QPSK	23.35	1.1	24.45	PASS
Band4	20	20175	50	#Max	QPSK	23.34	1.1	24.44	PASS
Band4	20	20175	100	#0	QPSK	23.30	1.1	24.40	PASS
Band4	20	20175	1	#0	16QAM	23.22	1.1	24.32	PASS
Band4	20	20175	1	#Mid	16QAM	23.64	1.1	24.74	PASS
Band4	20	20175	1	#Max	16QAM	23.10	1.1	24.20	PASS
Band4	20	20175	50	#0	16QAM	22.33	1.1	23.43	PASS
Band4	20	20175	50	#Mid	16QAM	22.39	1.1	23.49	PASS
Band4	20	20175	50	#Max	16QAM	22.35	1.1	23.45	PASS
Band4	20	20175	100	#0	16QAM	22.30	1.1	23.40	PASS
Band4	20	20300	1	#0	QPSK	23.95	1.1	25.05	PASS
Band4	20	20300	1	#Mid	QPSK	24.34	1.1	25.44	PASS
Band4	20	20300	1	#Max	QPSK	23.89	1.1	24.99	PASS
Band4	20	20300	50	#0	QPSK	23.07	1.1	24.17	PASS
Band4	20	20300	50	#Mid	QPSK	23.13	1.1	24.23	PASS
Band4	20	20300	50	#Max	QPSK	23.13	1.1	24.23	PASS
Band4	20	20300	100	#0	QPSK	23.11	1.1	24.21	PASS

Band4	20	20300	1	#0	16QAM	23.23	1.1	24.33	PASS
Band4	20	20300	1	#Mid	16QAM	23.50	1.1	24.60	PASS
Band4	20	20300	1	#Max	16QAM	23.14	1.1	24.24	PASS
Band4	20	20300	50	#0	16QAM	22.10	1.1	23.20	PASS
Band4	20	20300	50	#Mid	16QAM	22.15	1.1	23.25	PASS
Band4	20	20300	50	#Max	16QAM	22.18	1.1	23.28	PASS
Band4	20	20300	100	#0	16QAM	22.11	1.1	23.21	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-10.23	-0.006	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-9.43	-0.006	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-6.28	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-10.61	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-4.59	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-4.99	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-2.45	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-6.47	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-5.68	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	1.44	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	0.07	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-2.25	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-10.91	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-1.72	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-7.72	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-10.47	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-4.99	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-4.08	-0.002	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-16.58	-0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-9.40	-0.005	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-11.97	-0.007	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	0.37	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	3.52	0.002	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	6.72	0.004	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	1.85	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-2.52	-0.001	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-3.89	-0.002	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	1.37	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	2.85	0.002	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	3.99	0.002	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-12.25	-0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-6.48	-0.004	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-3.19	-0.002	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	0.23	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-3.19	-0.002	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-4.91	-0.003	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-8.35	-0.005	PASS

Band4	5	19975	25	#0	QPSK	NV	NT	-4.82	-0.003	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	-6.01	-0.004	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-1.96	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-5.98	-0.003	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-9.90	-0.006	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-3.58	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-5.21	-0.003	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-6.91	-0.004	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-4.88	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-0.20	0.000	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-7.02	-0.004	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-2.33	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-5.79	-0.003	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-3.71	-0.002	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-3.00	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	-4.72	-0.003	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	-2.27	-0.001	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-14.55	-0.008	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-4.19	-0.002	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-3.03	-0.002	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-0.04	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-5.59	-0.003	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-5.72	-0.003	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-3.91	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-4.69	-0.003	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-2.59	-0.001	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	-5.49	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	-5.39	-0.003	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	-0.20	0.000	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-4.71	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-8.07	-0.005	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-9.24	-0.005	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	-3.28	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	-4.81	-0.003	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	-0.74	0.000	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-6.22	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-5.91	-0.003	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-5.15	-0.003	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-4.06	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-2.65	-0.002	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-6.91	-0.004	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-1.27	-0.001	PASS

Band4	15	20175	75	#0	QPSK	NV	NT	-4.85	-0.003	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-1.24	-0.001	PASS
Band4	15	20175	75	#0	16QAM	LV	NT	-2.46	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	-2.07	-0.001	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	-5.06	-0.003	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-5.61	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-7.28	-0.004	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-4.89	-0.003	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	-17.98	-0.010	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	-4.75	-0.003	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	-7.98	-0.005	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-10.03	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-8.20	-0.005	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-2.60	-0.002	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-5.76	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	-3.69	-0.002	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-3.79	-0.002	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-1.26	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-2.63	-0.002	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-7.64	-0.004	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-4.19	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	-7.57	-0.004	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	-4.01	-0.002	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-4.33	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-4.33	-0.002	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-8.10	-0.005	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	-8.40	-0.005	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	-3.33	-0.002	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	-8.17	-0.005	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	NV	-30	-24.00	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-26.19	-0.015	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-27.58	-0.016	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-18.04	-0.011	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-7.80	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	4.18	0.002	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-2.46	-0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-6.19	-0.004	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-0.79	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-5.97	-0.003	PASS

Band4	1.4	19957	6	#0	16QAM	NV	-20	3.59	0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	4.43	0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-8.41	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	2.45	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-1.76	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-0.66	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-5.82	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-8.01	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-9.50	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-8.11	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	4.29	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-2.95	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-0.77	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	1.90	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	1.26	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-6.31	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	5.04	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	3.16	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-4.36	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-5.99	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-6.08	-0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-5.18	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	1.13	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-6.11	-0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	-9.43	-0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-4.09	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	1.19	0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-2.10	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-10.36	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-6.07	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	2.22	0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-8.88	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-10.13	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	6.09	0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	3.65	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-8.96	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-5.22	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	-11.42	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	4.42	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-12.49	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-9.16	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-9.51	-0.005	PASS

Band4	1.4	20393	6	#0	16QAM	NV	40	-3.91	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-6.68	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-7.44	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-10.13	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	-9.77	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-10.60	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-4.23	-0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	20	4.16	0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-0.84	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-9.17	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-4.48	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-1.26	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	1.75	0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	8.33	0.005	PASS
Band4	3	19965	15	#0	16QAM	NV	0	3.68	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-9.16	-0.005	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-8.33	-0.005	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-5.82	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	40	5.75	0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-5.69	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-4.92	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	5.99	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-1.02	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-7.34	-0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	10	-10.49	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	20	4.19	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	30	1.27	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-5.48	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-10.00	-0.006	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	0.39	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	2.07	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	-7.17	-0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-1.40	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	10	7.64	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-2.06	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	30	6.91	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	40	4.92	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	50	8.37	0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-10.16	-0.006	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-21.67	-0.012	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-18.71	-0.011	PASS
Band4	3	20385	15	#0	QPSK	NV	0	-2.23	-0.001	PASS

Band4	3	20385	15	#0	QPSK	NV	10	-1.14	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-1.20	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-0.01	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-7.94	-0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	50	2.32	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	-5.16	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	2.23	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	0.27	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-4.13	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-10.67	-0.006	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-5.36	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	30	2.98	0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-6.18	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	50	1.29	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-6.41	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-11.13	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-3.95	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	0	2.40	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-1.33	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-3.43	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	30	0.54	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-0.70	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-1.47	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-2.05	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	-12.16	-0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	-1.92	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	0	-5.12	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-5.12	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-4.79	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-11.26	-0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	40	-9.01	-0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-9.78	-0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	0.49	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-6.38	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	-3.02	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	0	0.59	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	10	4.86	0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	20	-4.09	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-8.57	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-5.55	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	50	7.64	0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	2.80	0.002	PASS

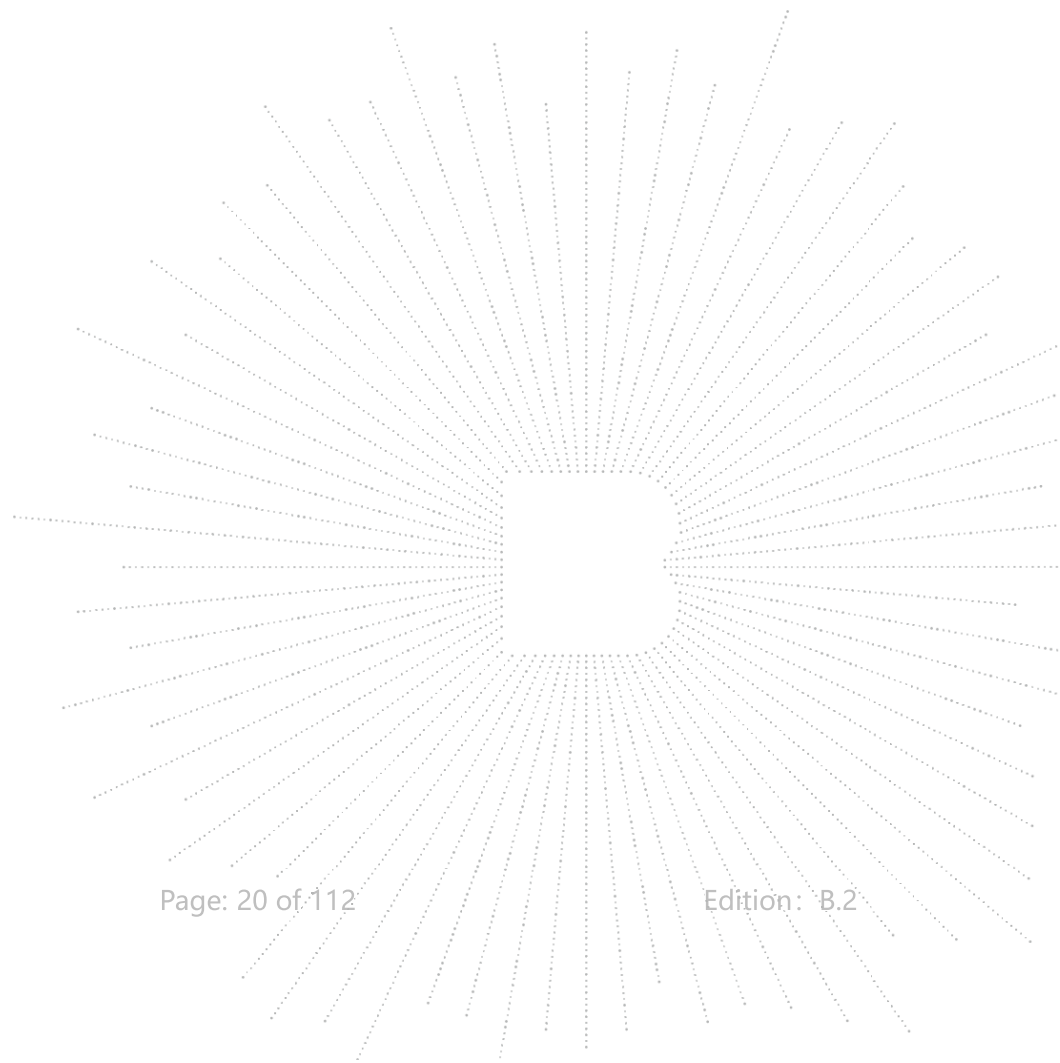
Band4	5	20175	25	#0	16QAM	NV	-20	3.75	0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	-8.64	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-2.09	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	10	5.48	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	20	-3.92	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-3.36	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-7.45	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	50	2.06	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-2.50	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	3.46	0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	1.52	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-1.39	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-0.97	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-9.68	-0.006	PASS
Band4	5	20375	25	#0	QPSK	NV	30	1.97	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	40	1.13	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	50	0.80	0.000	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-6.05	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-2.37	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	5.15	0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-8.91	-0.005	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-7.11	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	20	2.83	0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	30	0.37	0.000	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-2.96	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-10.37	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-10.03	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-5.08	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-7.50	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-6.47	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-1.62	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-6.65	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-5.46	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-10.31	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-4.91	-0.003	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	-8.67	-0.005	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	-2.47	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	-3.68	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	0	-8.90	-0.005	PASS
Band4	10	20000	50	#0	16QAM	NV	10	-9.63	-0.006	PASS
Band4	10	20000	50	#0	16QAM	NV	20	-11.56	-0.007	PASS
Band4	10	20000	50	#0	16QAM	NV	30	-4.06	-0.002	PASS

Band4	10	20000	50	#0	16QAM	NV	40	-8.64	-0.005	PASS
Band4	10	20000	50	#0	16QAM	NV	50	-6.85	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-3.45	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-0.64	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-2.09	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-1.75	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-0.89	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	20	-5.09	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	30	3.22	0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-8.91	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-2.85	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	-1.56	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	0.13	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	-10	-3.03	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	0	1.42	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	10	-7.54	-0.004	PASS
Band4	10	20175	50	#0	16QAM	NV	20	-1.79	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	30	3.63	0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	40	-10.13	-0.006	PASS
Band4	10	20175	50	#0	16QAM	NV	50	-5.38	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-2.13	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-1.95	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-0.10	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-3.72	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-5.06	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-5.41	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-3.40	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-4.61	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-4.85	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	-10.21	-0.006	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	-2.20	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	-5.01	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	0	-7.74	-0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	10	-2.85	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	20	-3.88	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	30	-11.13	-0.006	PASS
Band4	10	20350	50	#0	16QAM	NV	40	-6.45	-0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	50	-13.07	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-11.20	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-4.84	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-6.02	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-6.49	-0.004	PASS

Band4	15	20025	75	#0	QPSK	NV	10	-5.76	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-6.72	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-3.81	-0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-7.30	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-7.95	-0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	-2.33	-0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	-4.81	-0.003	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	-5.39	-0.003	PASS
Band4	15	20025	75	#0	16QAM	NV	0	-4.99	-0.003	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-4.38	-0.003	PASS
Band4	15	20025	75	#0	16QAM	NV	20	-2.99	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	30	-1.50	-0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	40	-3.45	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	50	-4.63	-0.003	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	1.46	0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-6.21	-0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	-4.75	-0.003	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-3.35	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-2.12	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-7.30	-0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-6.61	-0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	40	-1.69	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-3.99	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	-4.91	-0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	-3.88	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	-7.52	-0.004	PASS
Band4	15	20175	75	#0	16QAM	NV	0	-8.68	-0.005	PASS
Band4	15	20175	75	#0	16QAM	NV	10	-4.66	-0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	20	-12.26	-0.007	PASS
Band4	15	20175	75	#0	16QAM	NV	30	-1.99	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	40	2.37	0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	50	-5.14	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-10.06	-0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-0.46	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	0.69	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-0.47	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	10	1.27	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	20	-5.48	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-4.73	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-7.67	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-0.27	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	-0.86	0.000	PASS

Band4	15	20325	75	#0	16QAM	NV	-20	-10.24	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	-11.66	-0.007	PASS
Band4	15	20325	75	#0	16QAM	NV	0	0.66	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	10	-9.77	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	20	-5.89	-0.003	PASS
Band4	15	20325	75	#0	16QAM	NV	30	-8.63	-0.005	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-8.44	-0.005	PASS
Band4	15	20325	75	#0	16QAM	NV	50	-2.46	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-11.22	-0.007	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-7.95	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-5.51	-0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-8.77	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-8.85	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-8.40	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-4.15	-0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-6.39	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-6.21	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	-3.89	-0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	-4.96	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	-5.75	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	0	-11.87	-0.007	PASS
Band4	20	20050	100	#0	16QAM	NV	10	-5.19	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	20	-9.27	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	30	-2.93	-0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	40	-8.80	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	50	-7.98	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-3.85	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-3.96	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	1.56	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-2.40	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-0.47	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-1.53	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-4.98	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	40	1.26	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-10.69	-0.006	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	-5.22	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	-6.62	-0.004	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	-3.62	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	0	0.62	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	10	-6.22	-0.004	PASS
Band4	20	20175	100	#0	16QAM	NV	20	-3.99	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	30	-3.85	-0.002	PASS

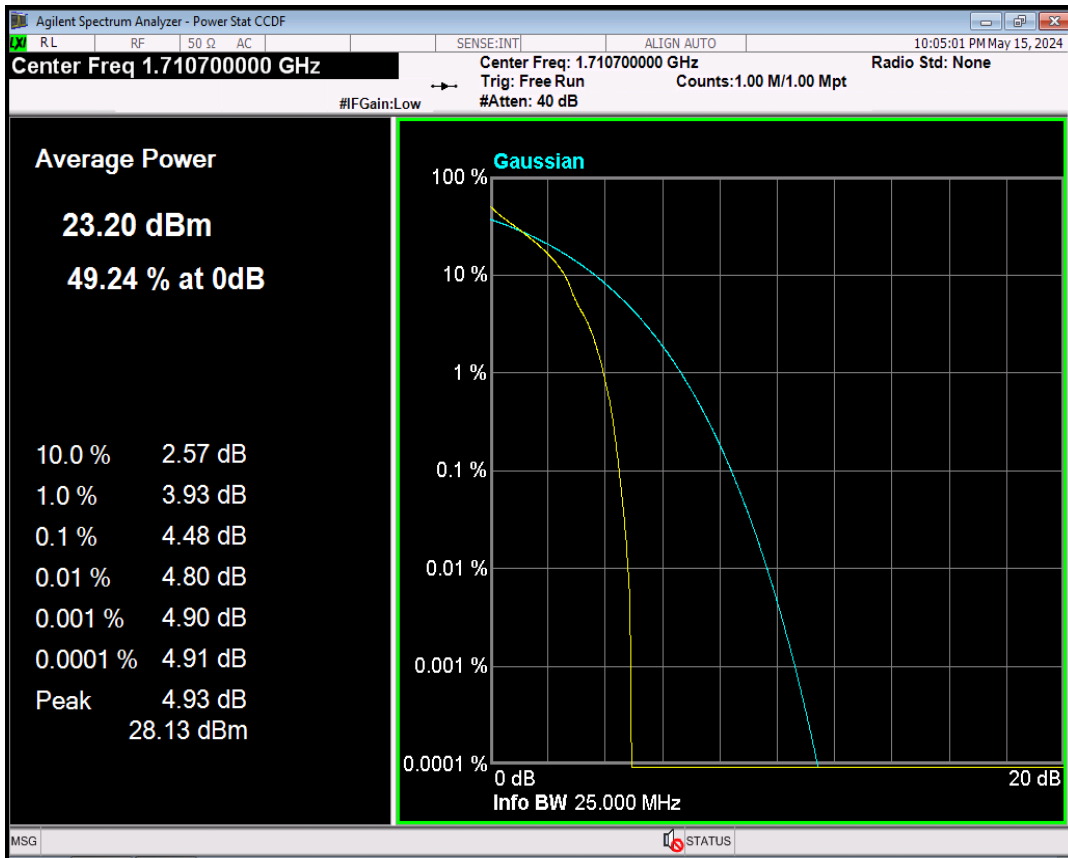
Band4	20	20175	100	#0	16QAM	NV	40	-3.13	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	50	-10.63	-0.006	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-5.36	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-2.12	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	-2.36	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-7.37	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-5.95	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-0.14	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-4.73	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-6.84	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-1.87	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	-4.39	-0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-6.22	-0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-2.72	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	0	-1.99	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	10	-6.34	-0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	20	-2.06	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	30	-2.62	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	40	-1.53	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	50	-10.93	-0.006	PASS



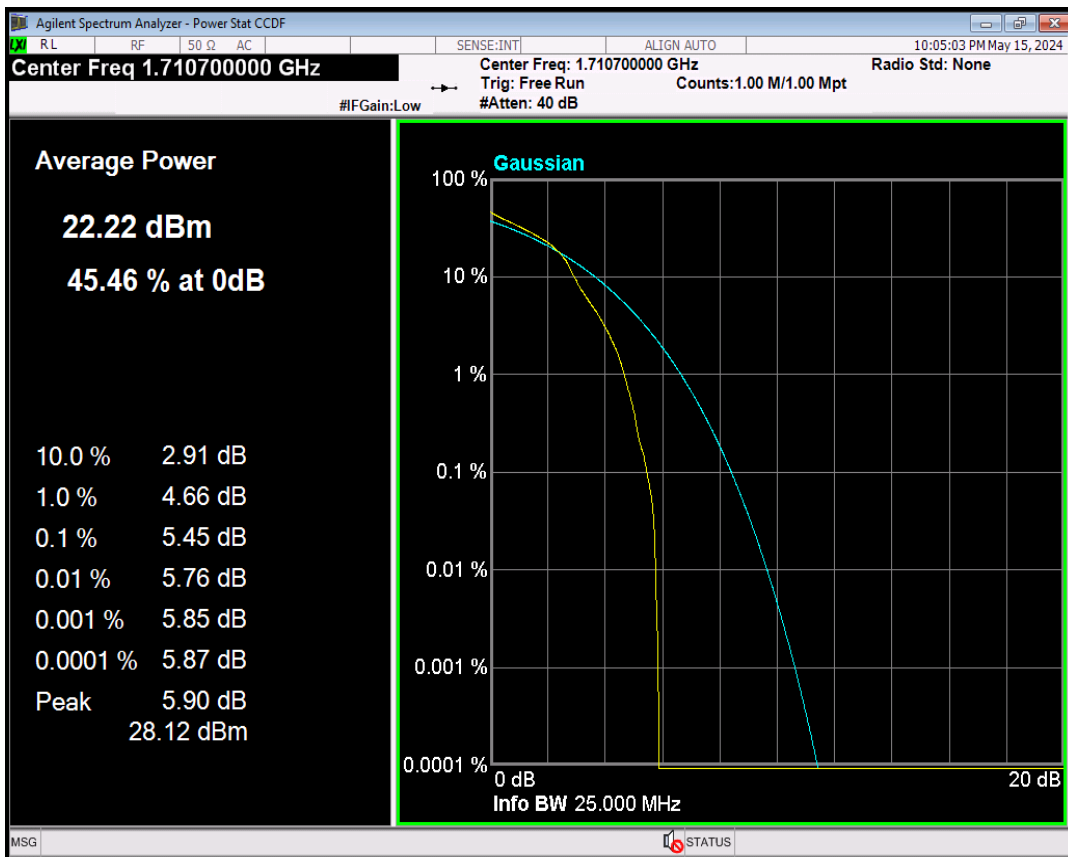
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.48	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.45	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.23	13	PASS
Band4	1.4	20175	1	#0	16QAM	4.98	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.55	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.49	13	PASS
Band4	3	19965	1	#0	QPSK	4.49	13	PASS
Band4	3	19965	1	#0	16QAM	5.24	13	PASS
Band4	3	20175	1	#0	QPSK	4.46	13	PASS
Band4	3	20175	1	#0	16QAM	5.29	13	PASS
Band4	3	20385	1	#0	QPSK	3.56	13	PASS
Band4	3	20385	1	#0	16QAM	4.37	13	PASS
Band4	5	19975	1	#0	QPSK	4.44	13	PASS
Band4	5	19975	1	#0	16QAM	5.06	13	PASS
Band4	5	20175	1	#0	QPSK	4.61	13	PASS
Band4	5	20175	1	#0	16QAM	5.30	13	PASS
Band4	5	20375	1	#0	QPSK	3.99	13	PASS
Band4	5	20375	1	#0	16QAM	4.72	13	PASS
Band4	10	20000	1	#0	QPSK	4.51	13	PASS
Band4	10	20000	1	#0	16QAM	5.40	13	PASS
Band4	10	20175	1	#0	QPSK	4.52	13	PASS
Band4	10	20175	1	#0	16QAM	5.47	13	PASS
Band4	10	20350	1	#0	QPSK	3.54	13	PASS
Band4	10	20350	1	#0	16QAM	4.37	13	PASS
Band4	15	20025	1	#0	QPSK	4.45	13	PASS
Band4	15	20025	1	#0	16QAM	5.58	13	PASS
Band4	15	20175	1	#0	QPSK	4.40	13	PASS
Band4	15	20175	1	#0	16QAM	5.04	13	PASS
Band4	15	20325	1	#0	QPSK	3.35	13	PASS
Band4	15	20325	1	#0	16QAM	4.29	13	PASS
Band4	20	20050	1	#0	QPSK	4.78	13	PASS
Band4	20	20050	1	#0	16QAM	5.70	13	PASS
Band4	20	20175	1	#0	QPSK	4.08	13	PASS
Band4	20	20175	1	#0	16QAM	4.71	13	PASS
Band4	20	20300	1	#0	QPSK	3.84	13	PASS
Band4	20	20300	1	#0	16QAM	4.84	13	PASS

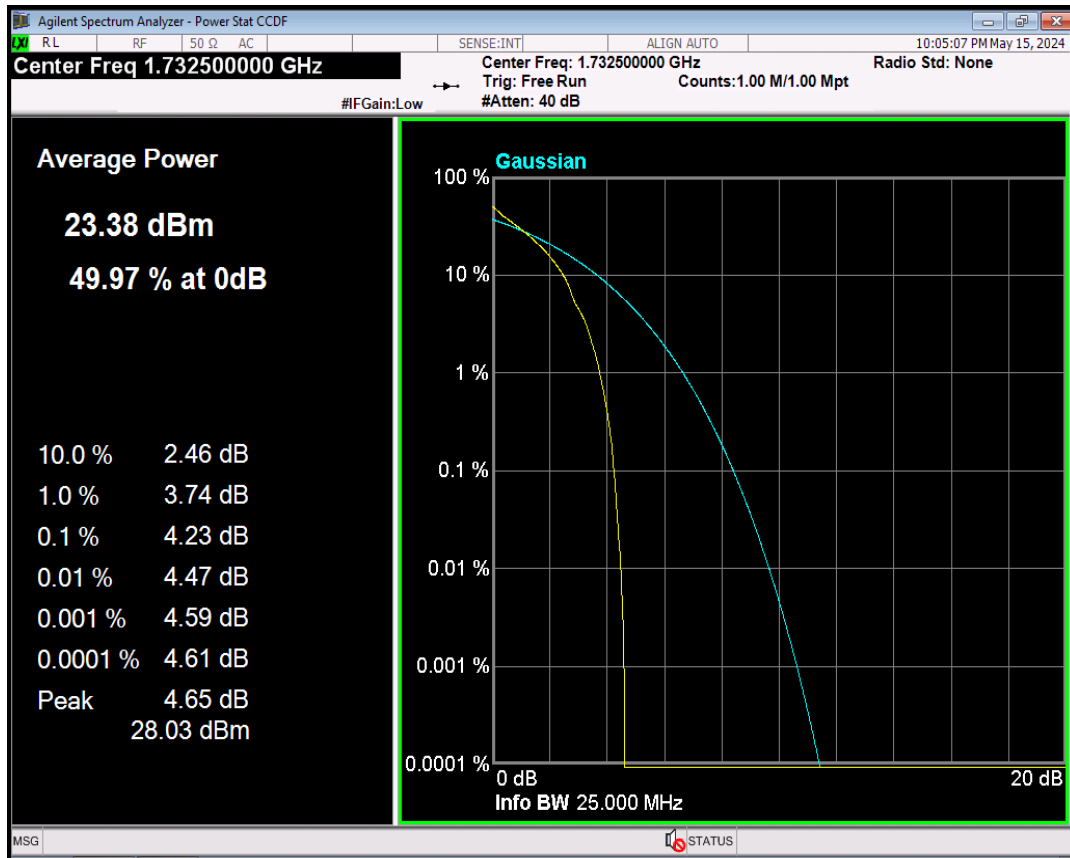
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



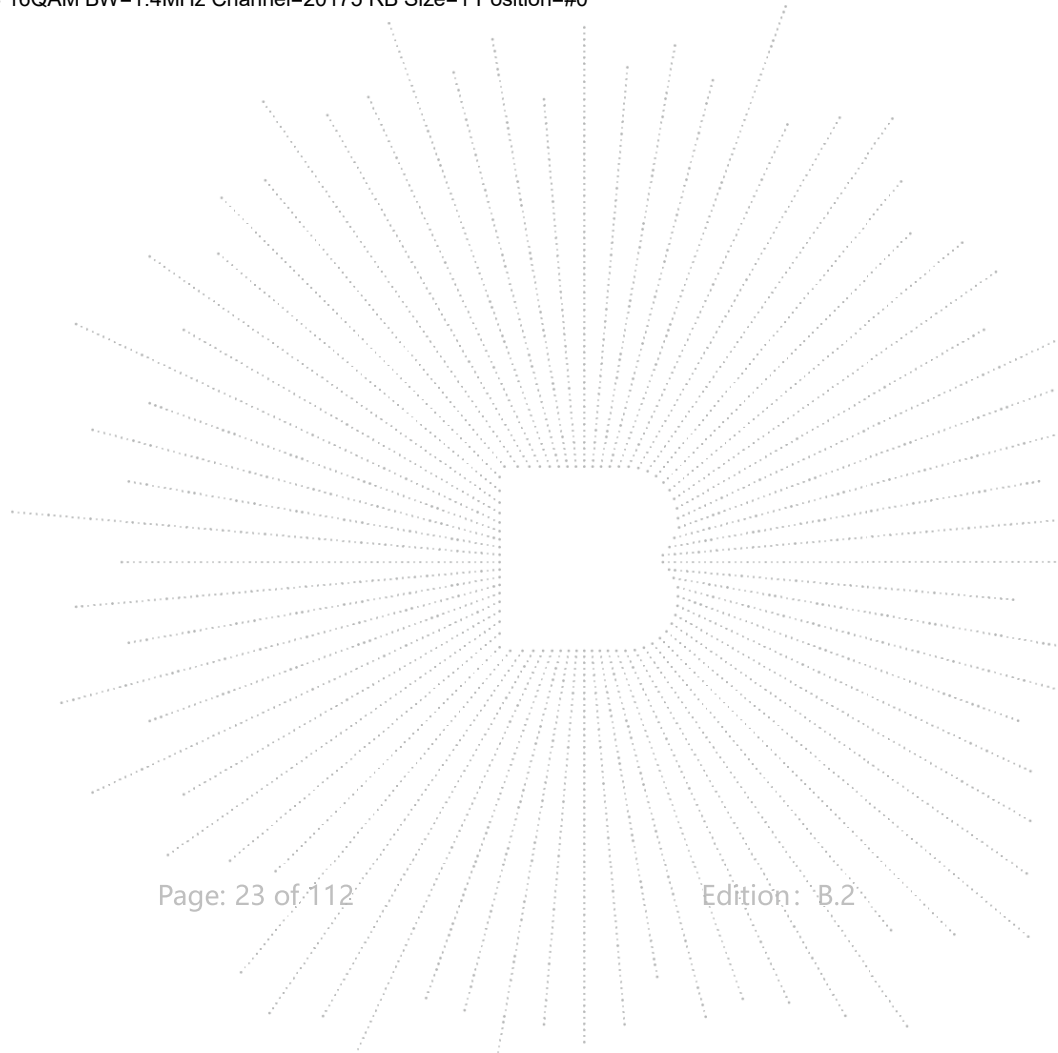
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0

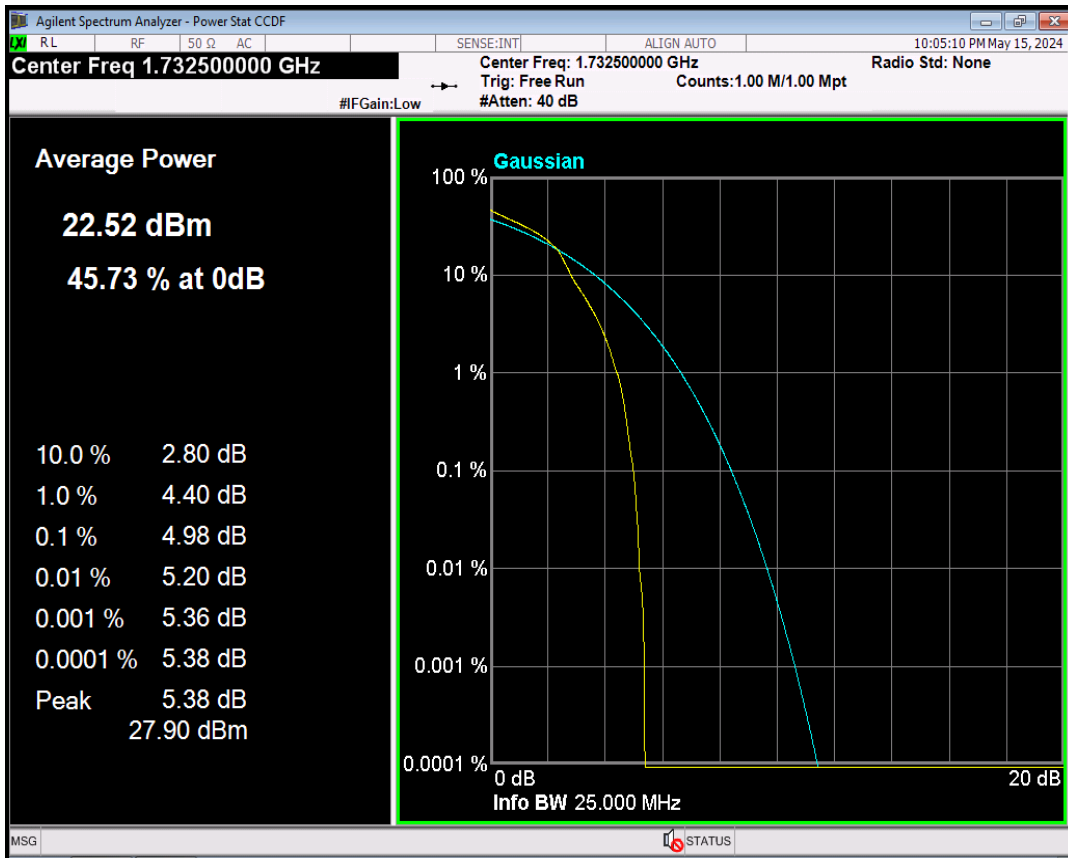


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

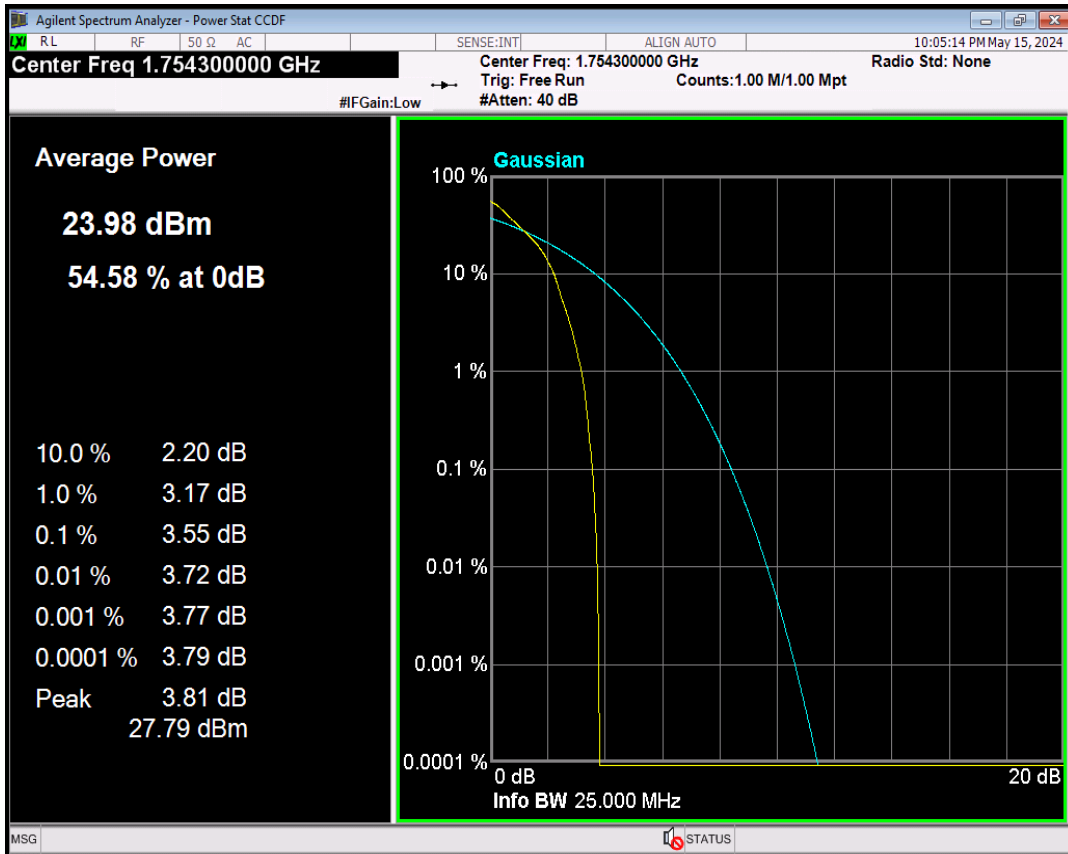


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



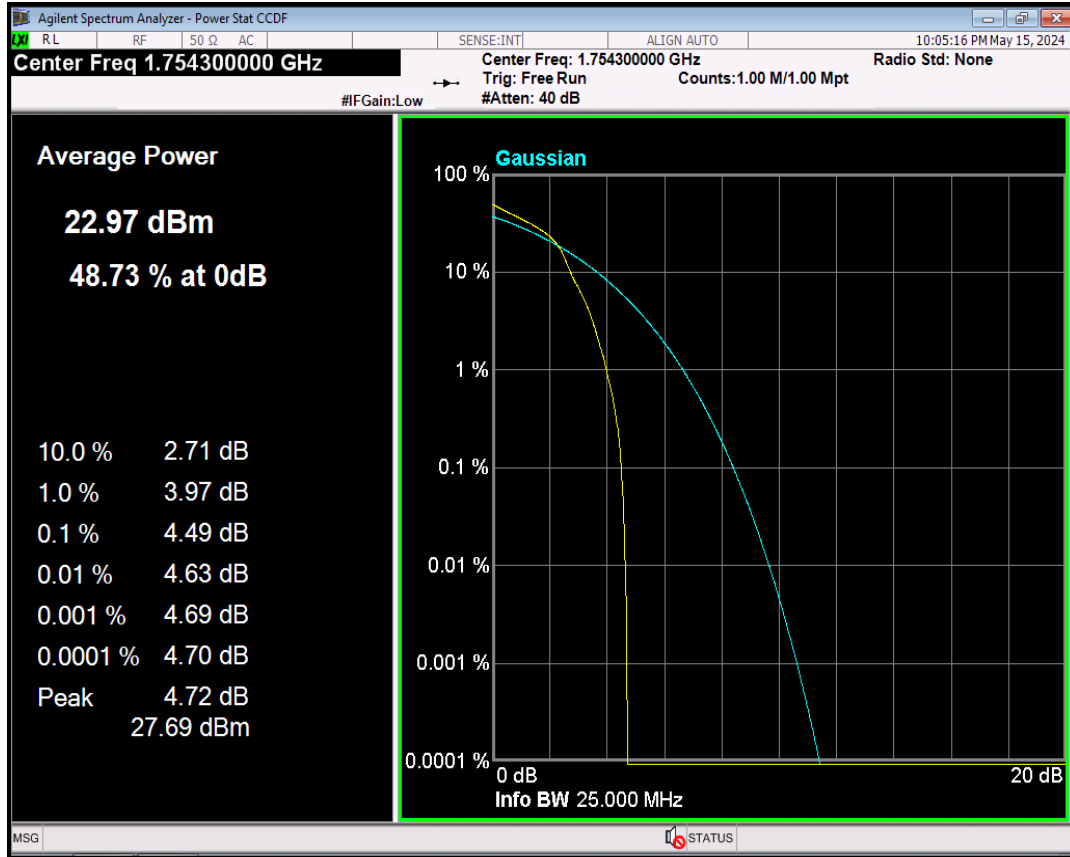


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

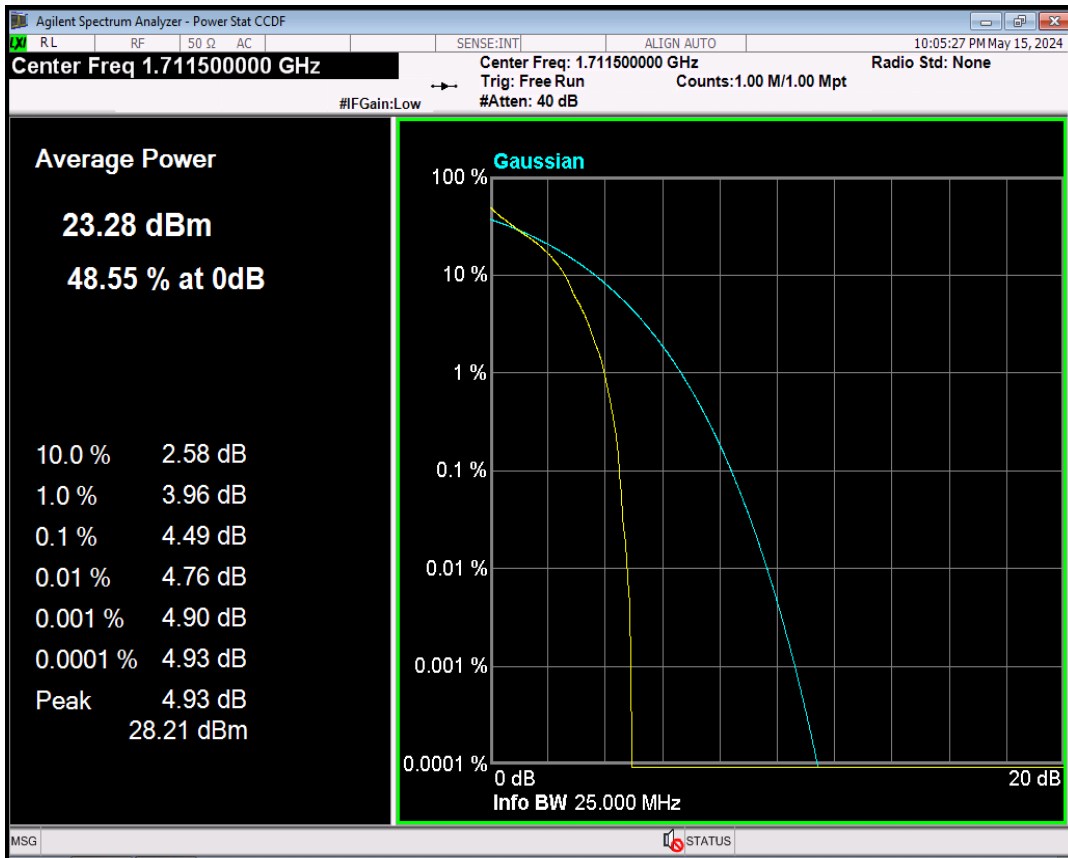




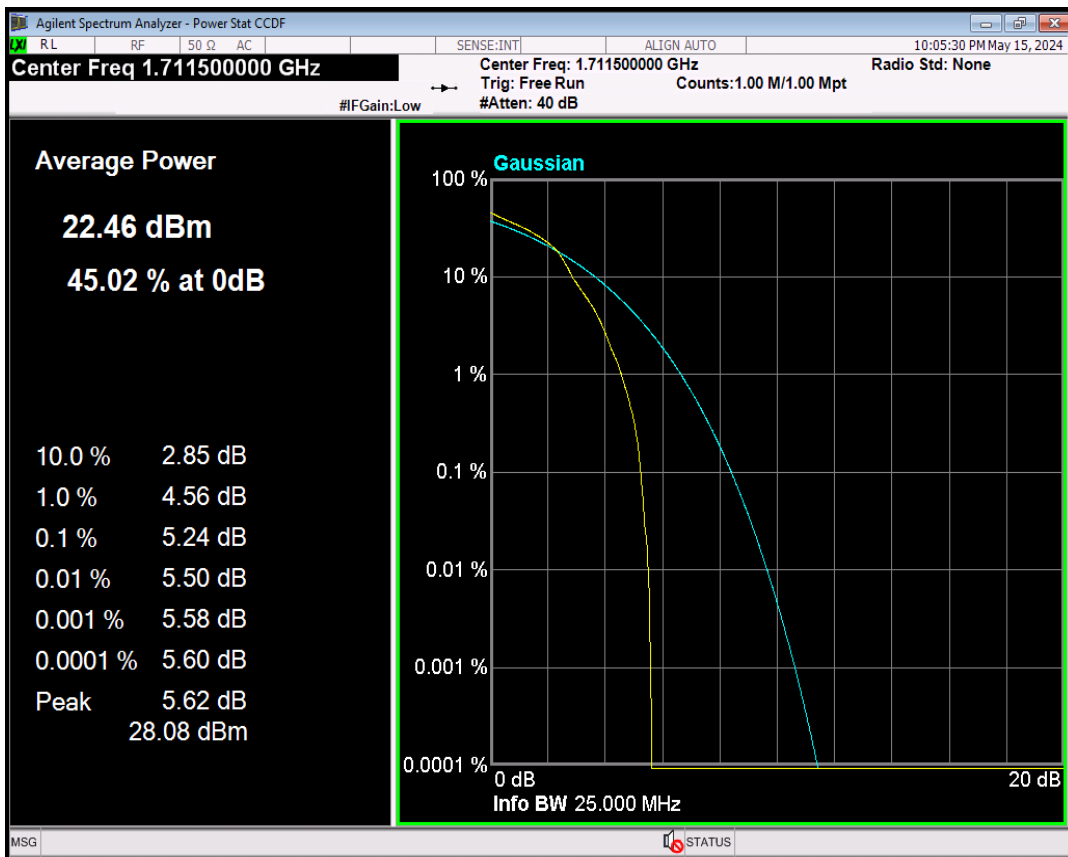
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



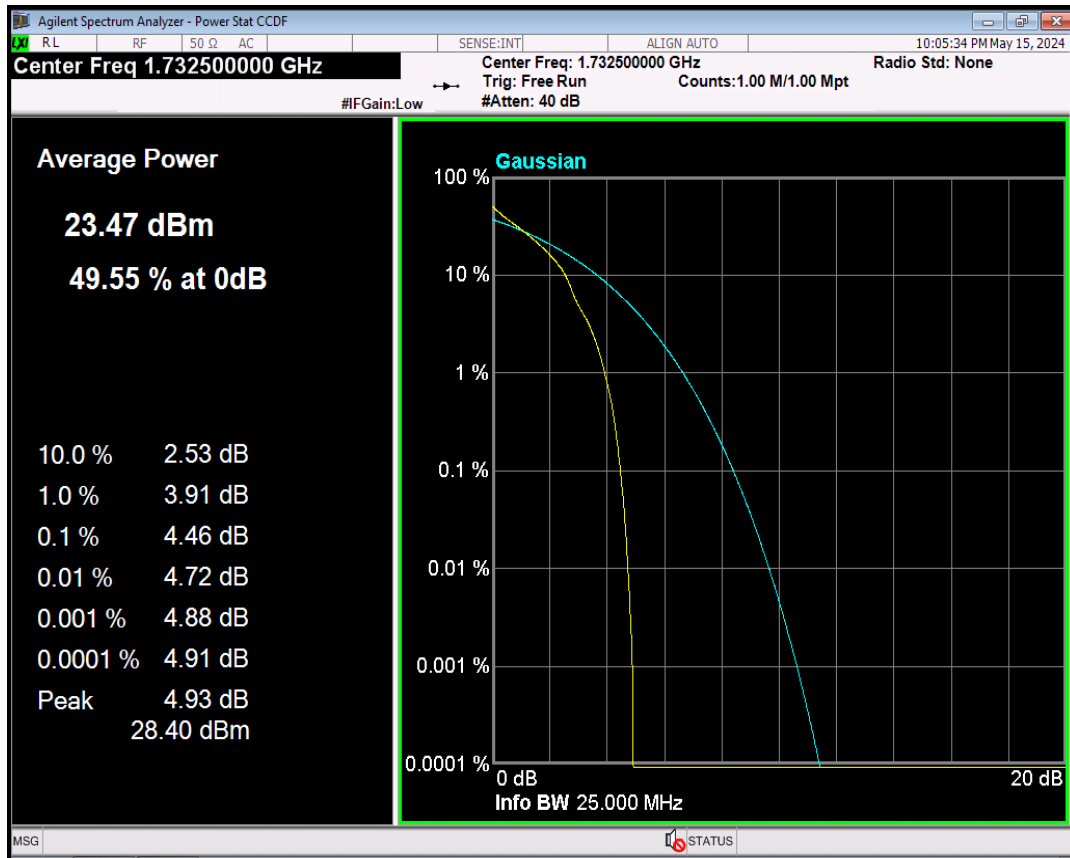
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



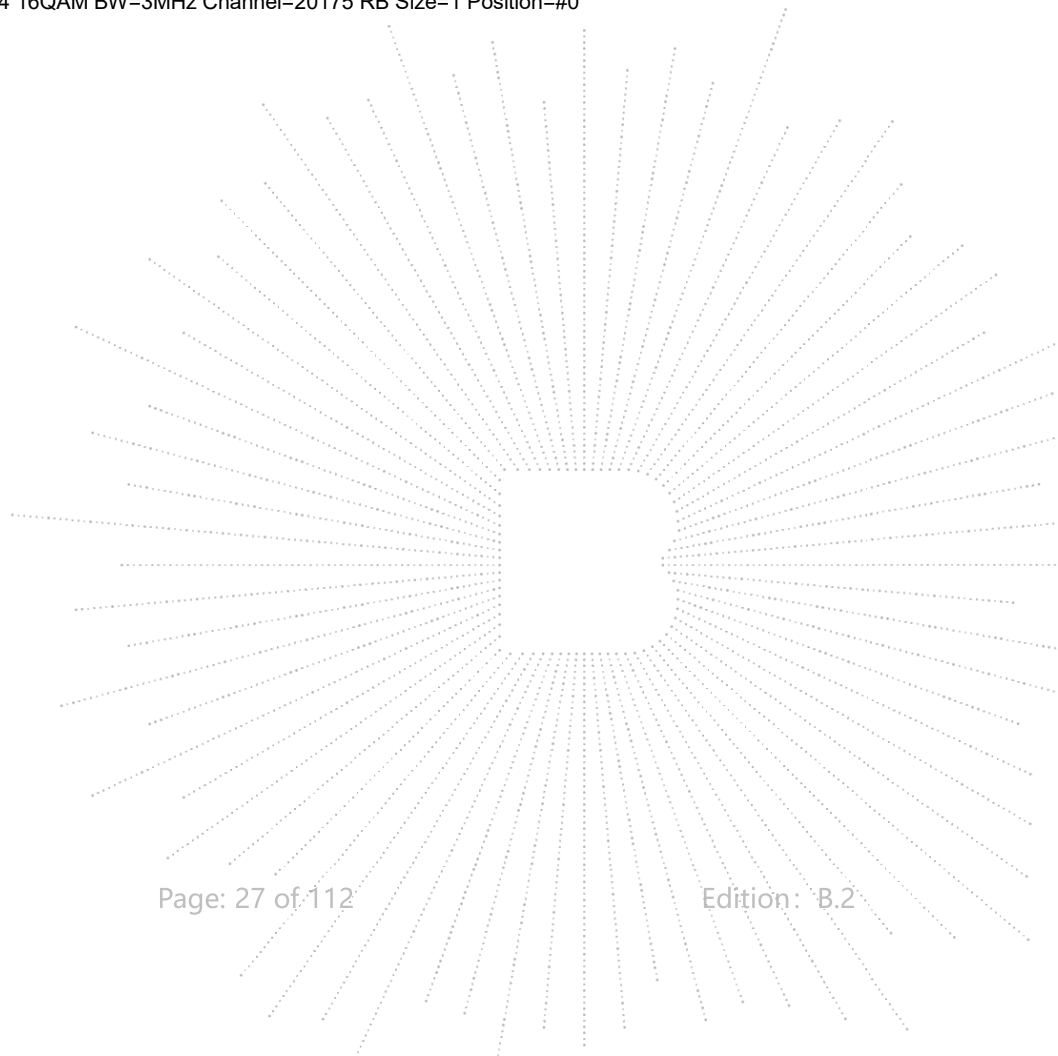
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

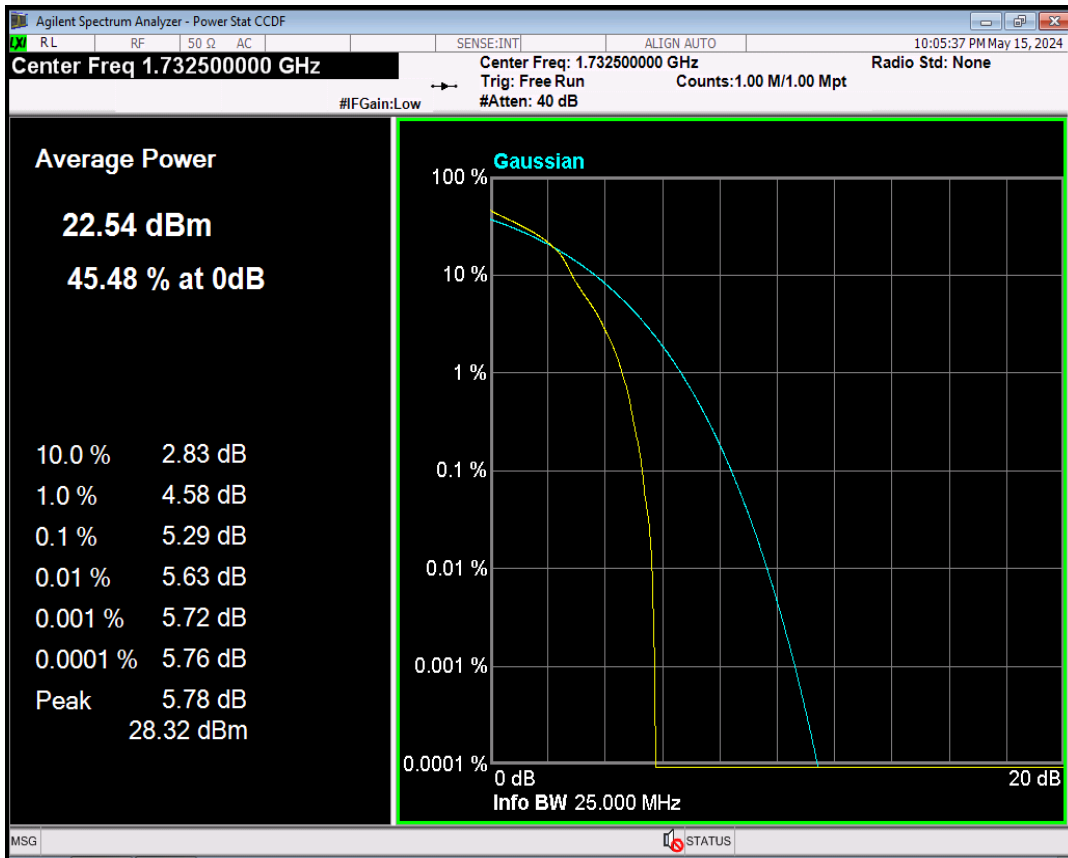


Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0

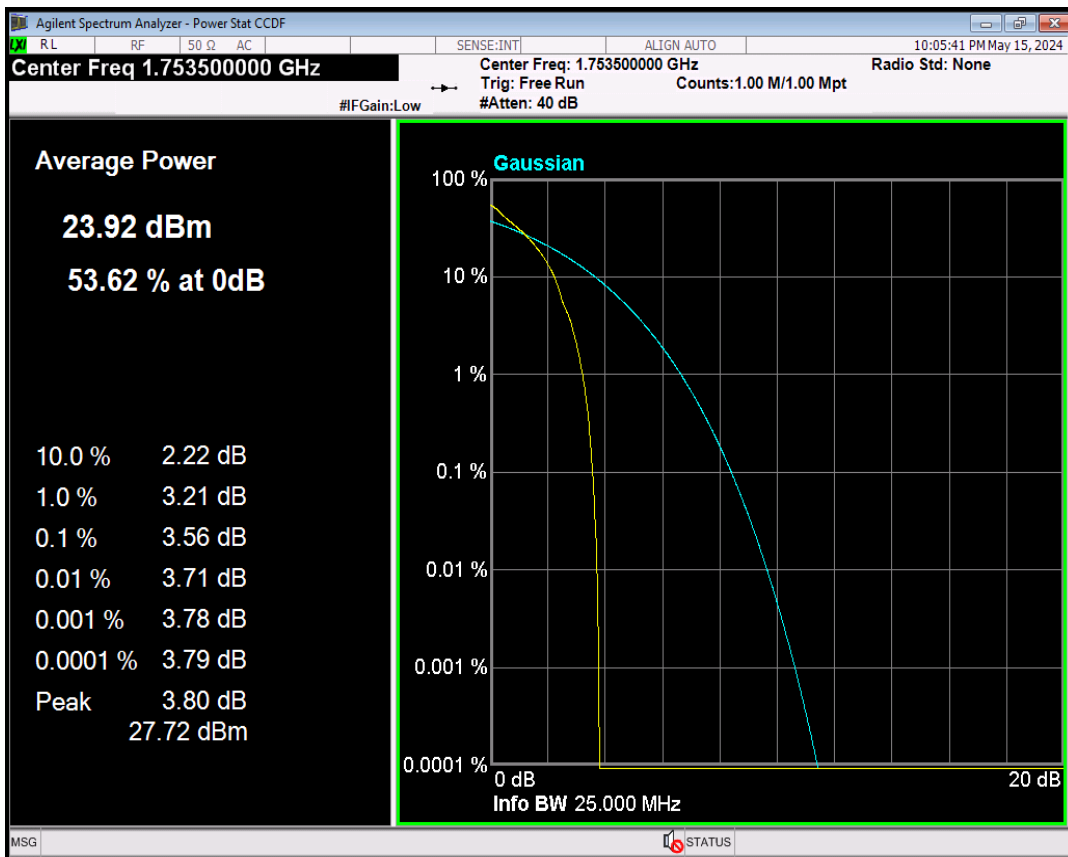


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0

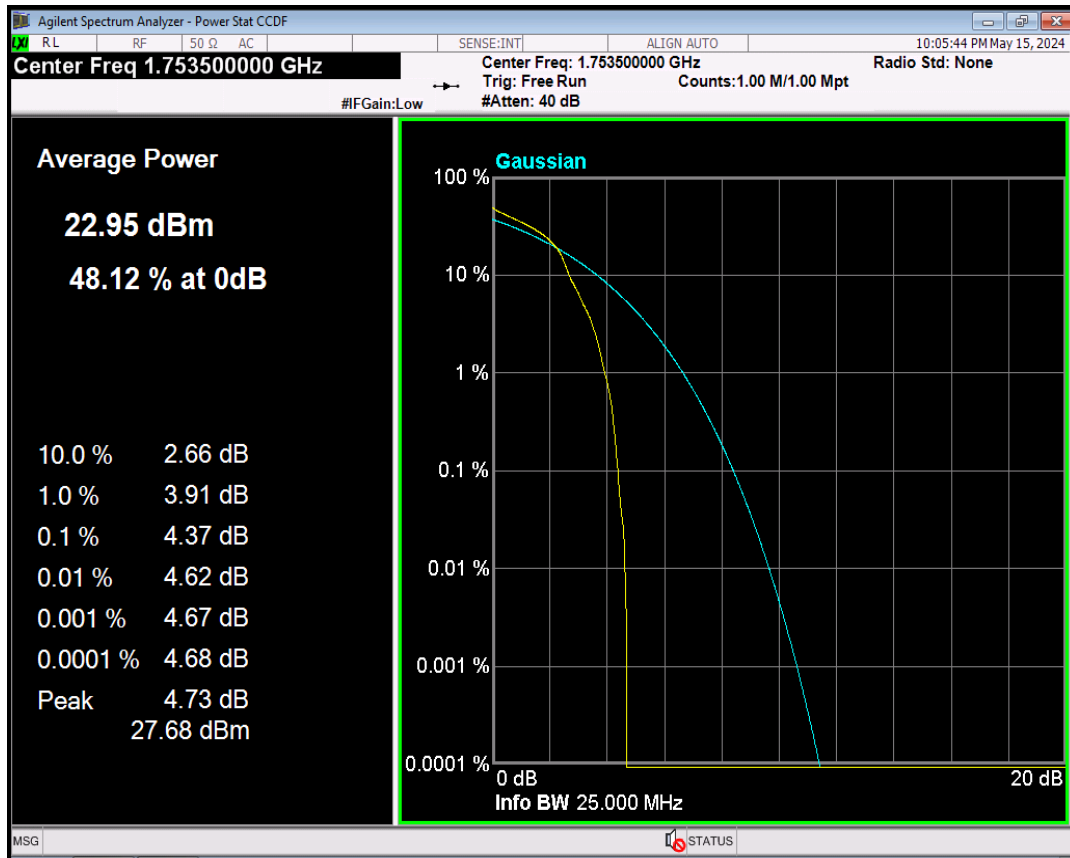




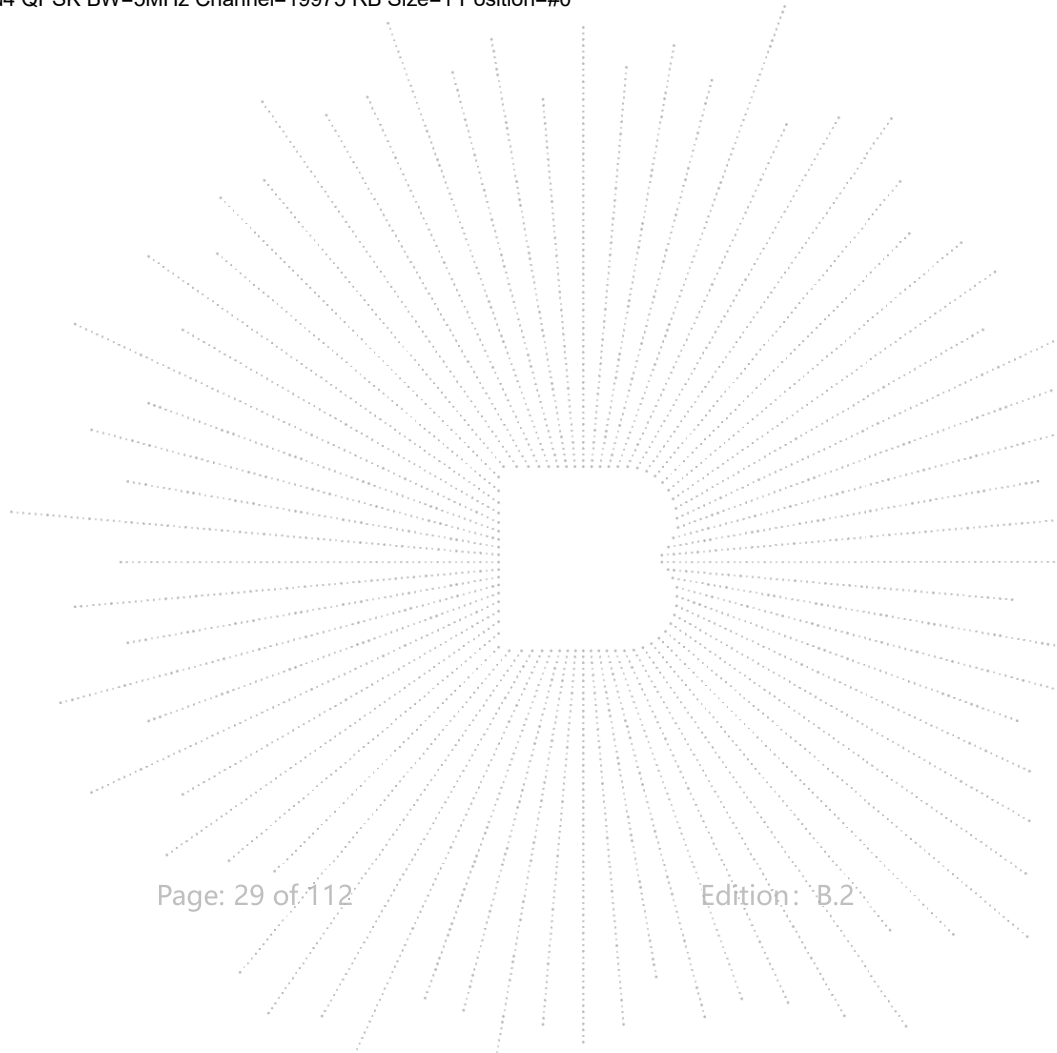
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

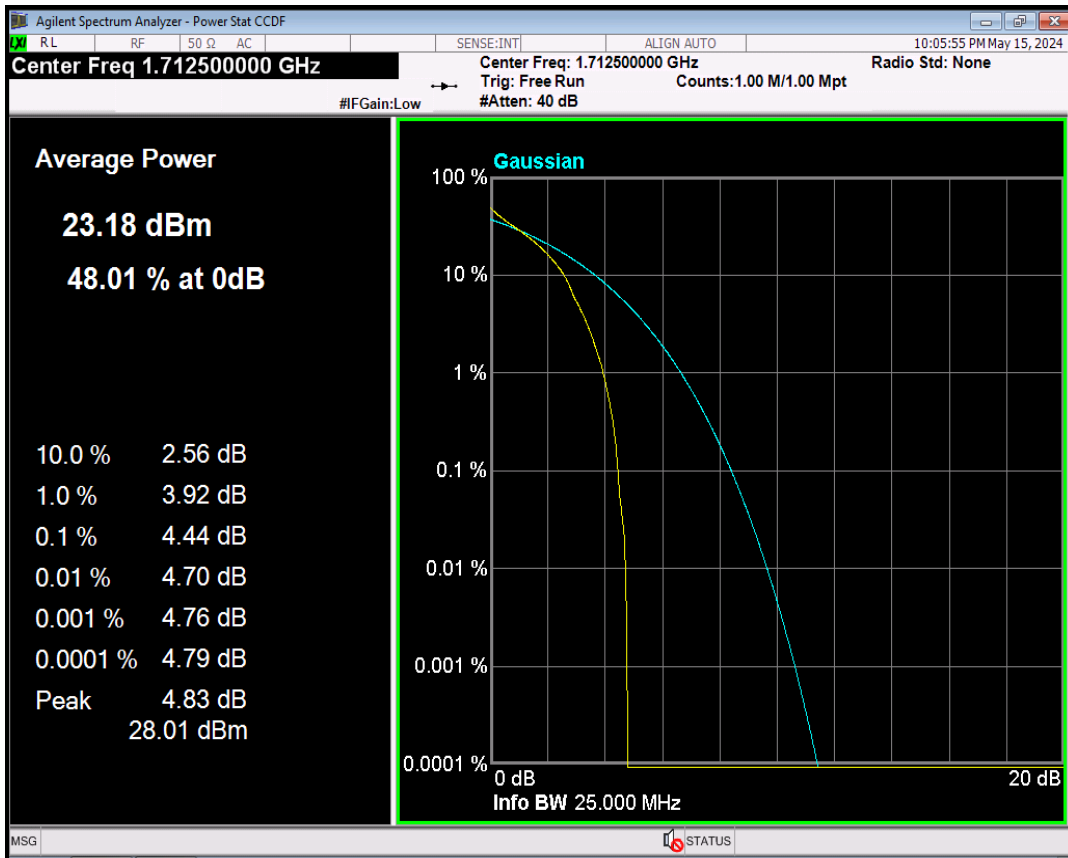


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

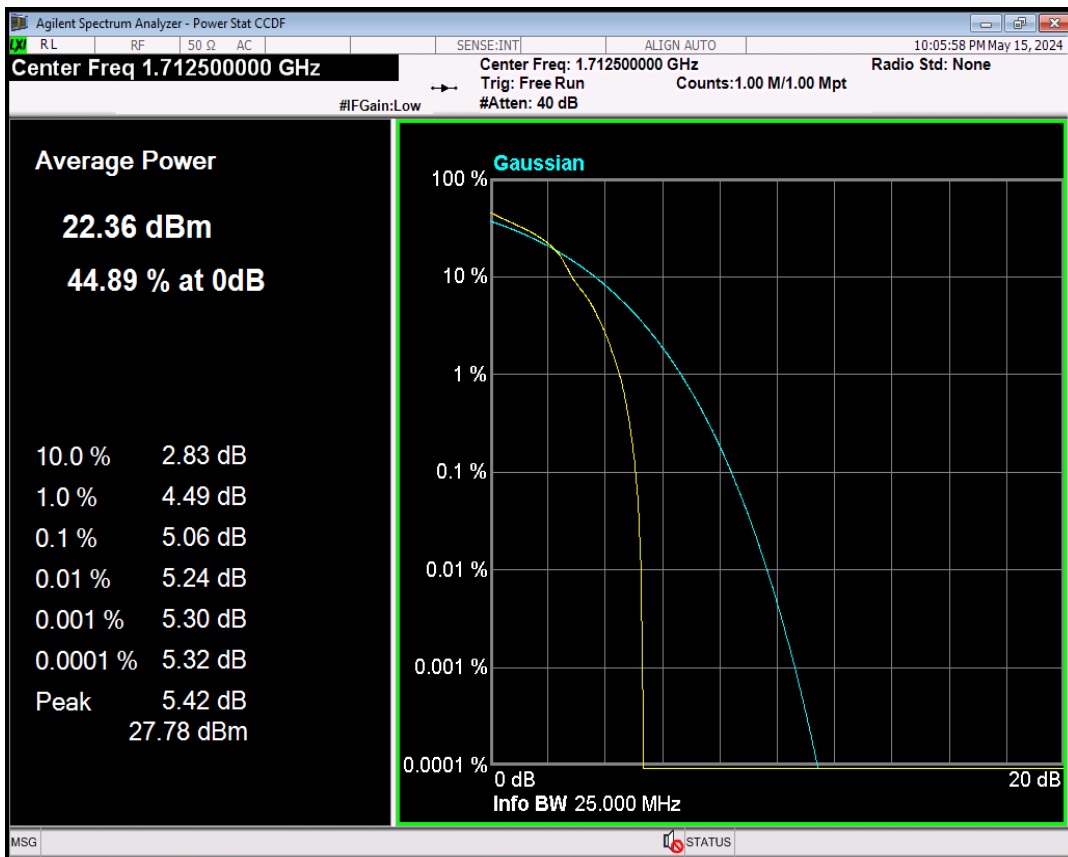


Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

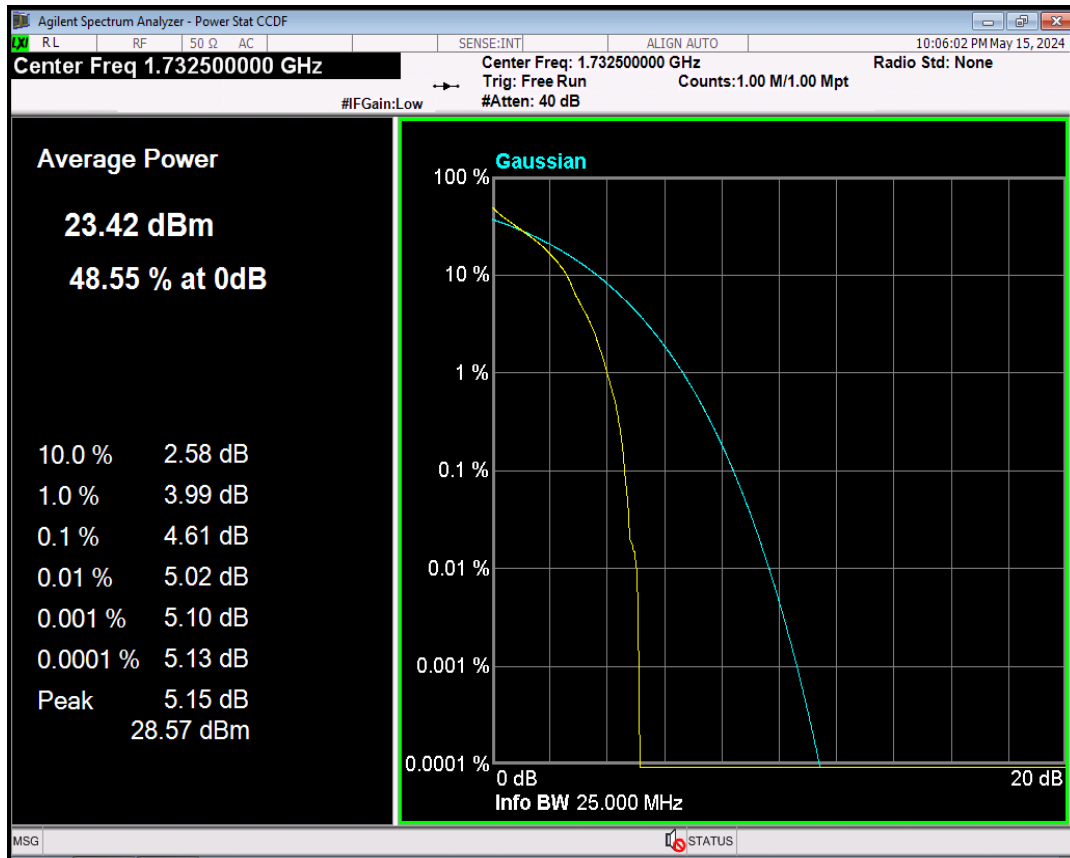




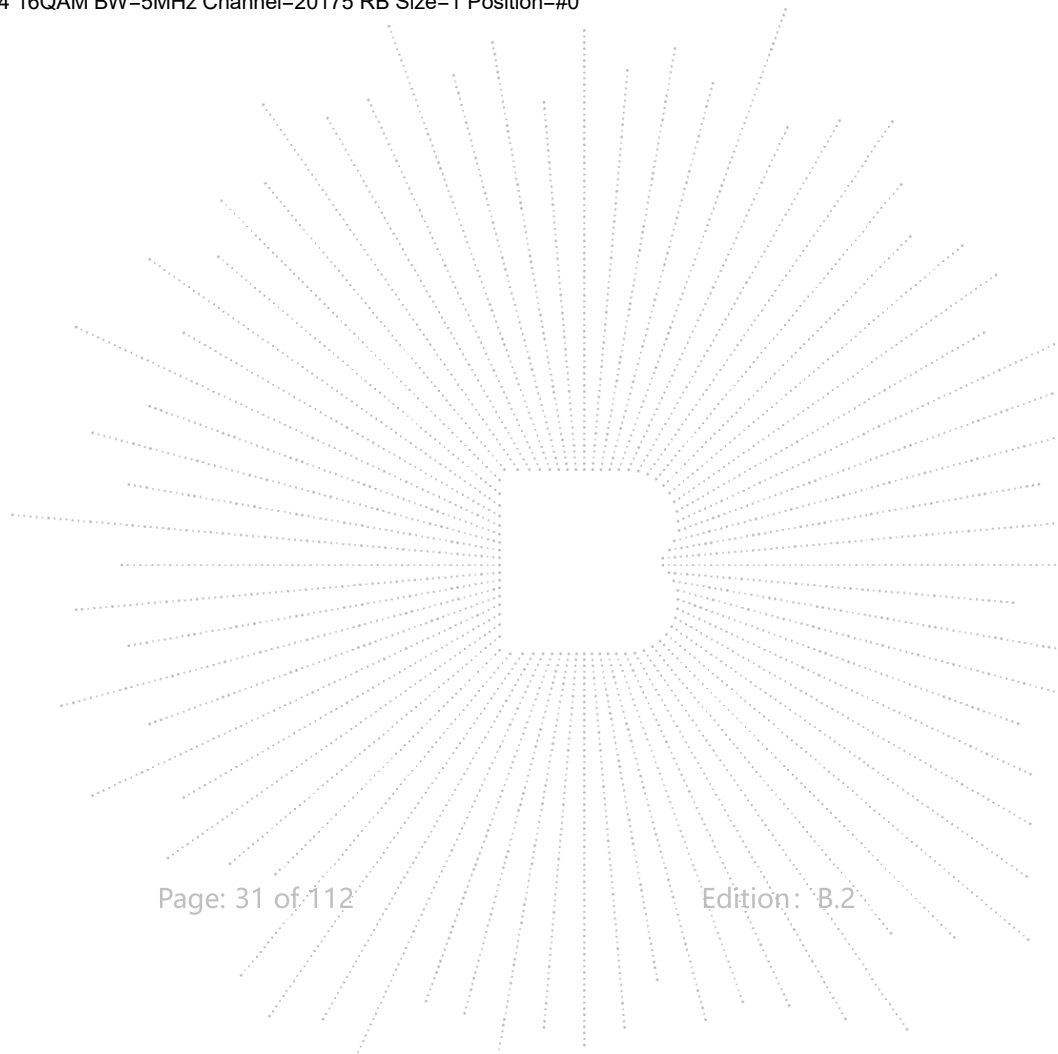
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

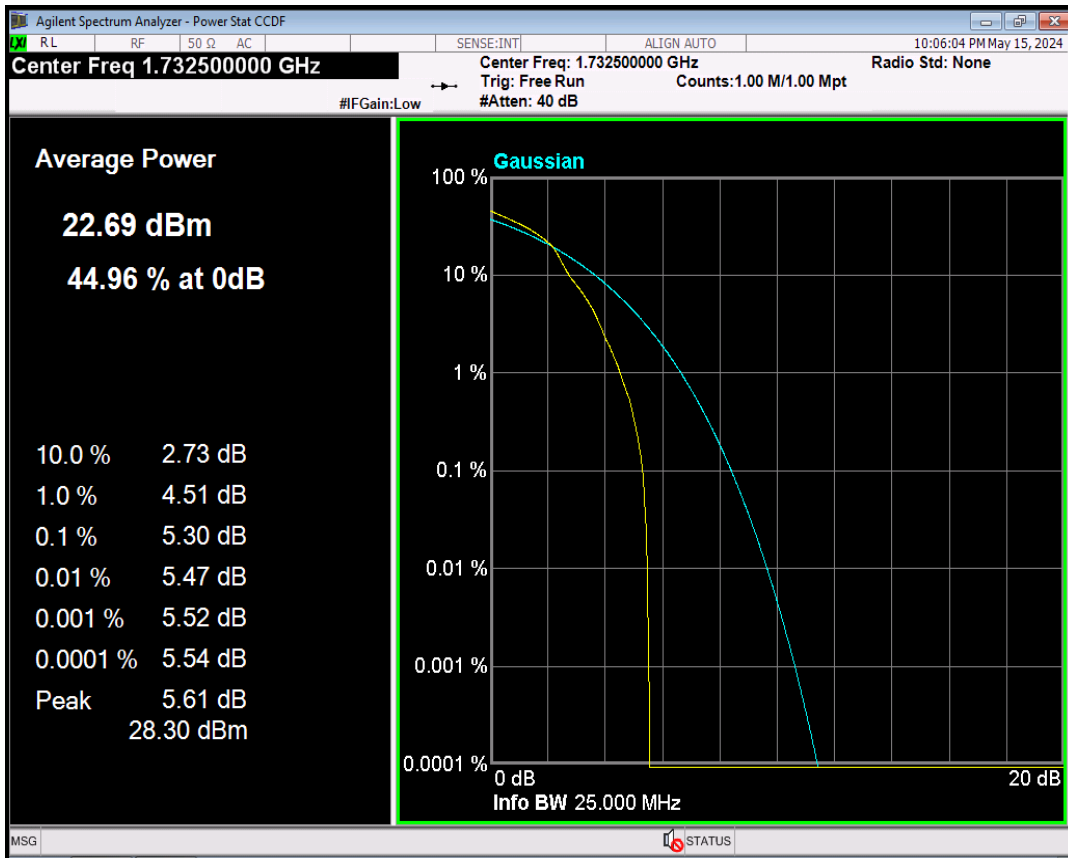


Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

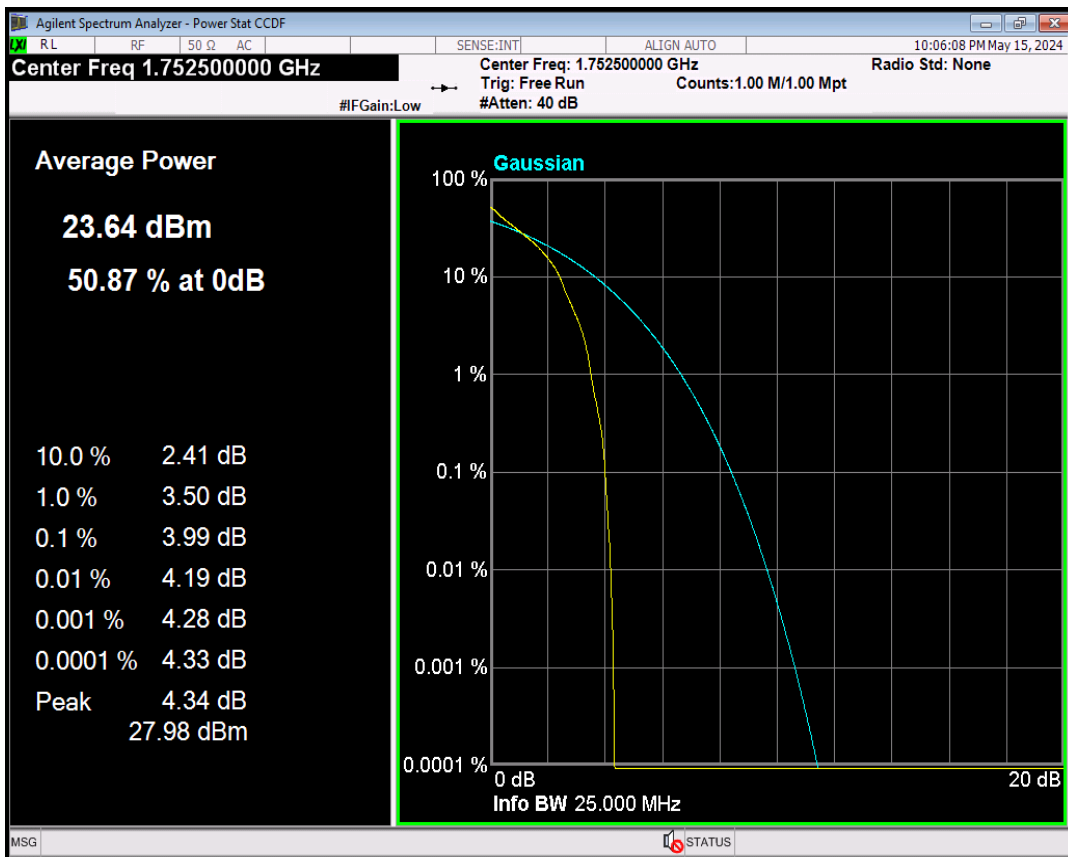


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

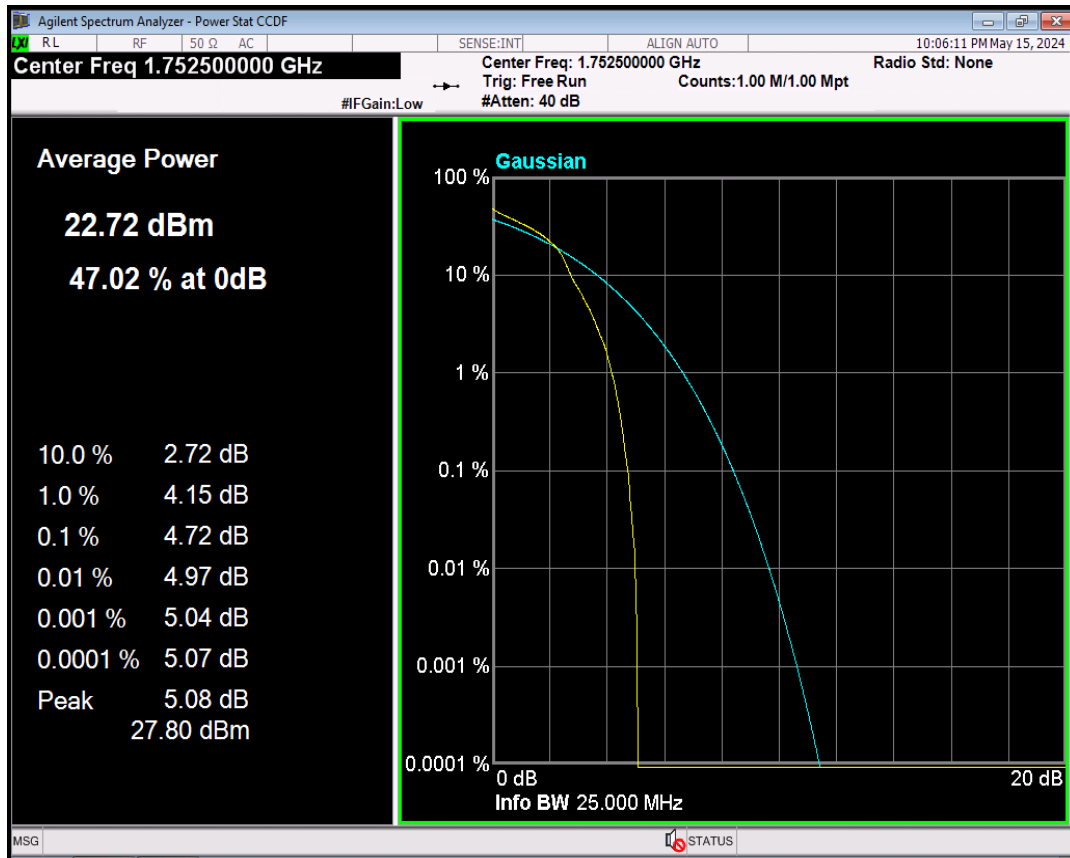




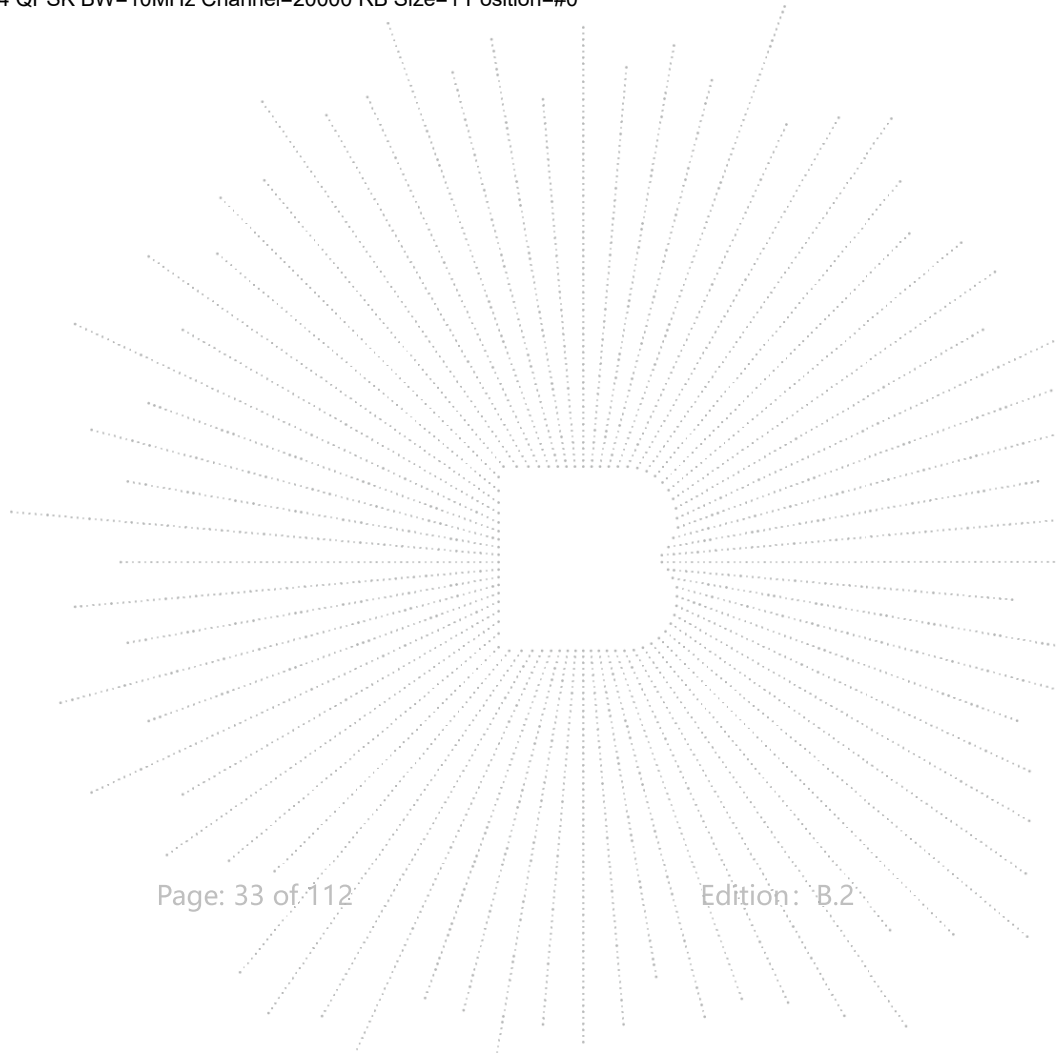
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

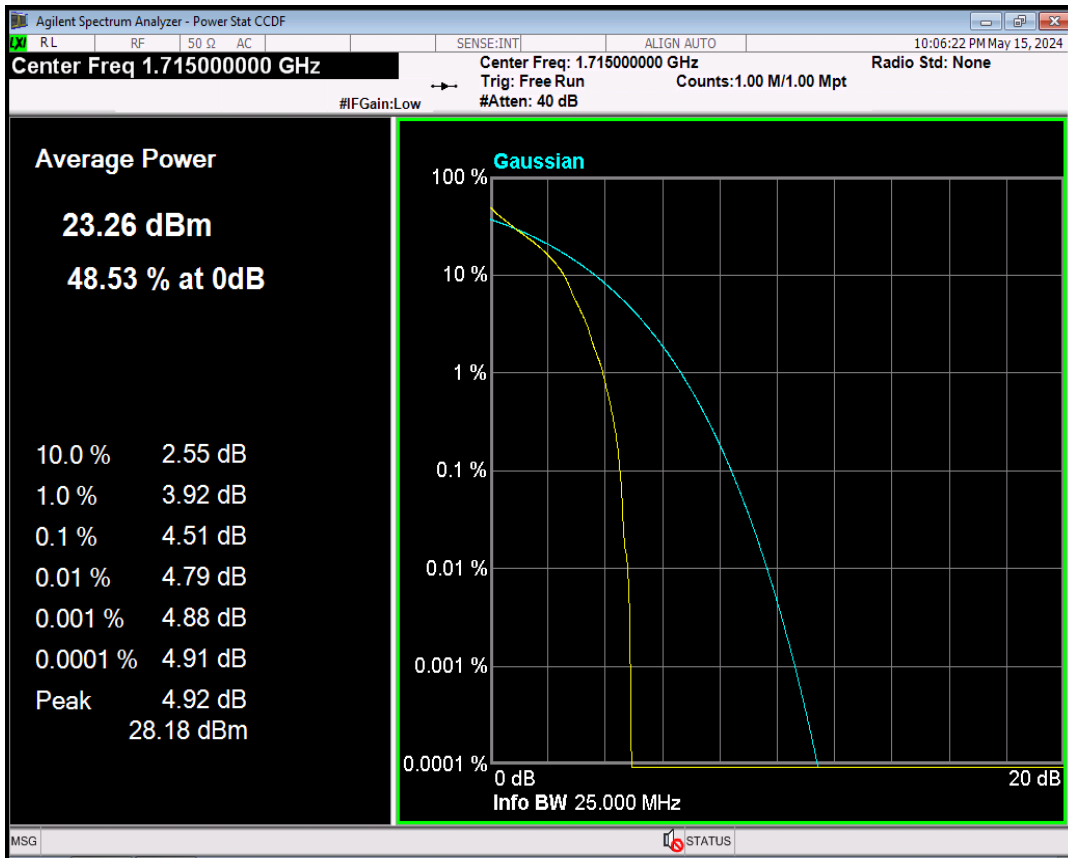


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

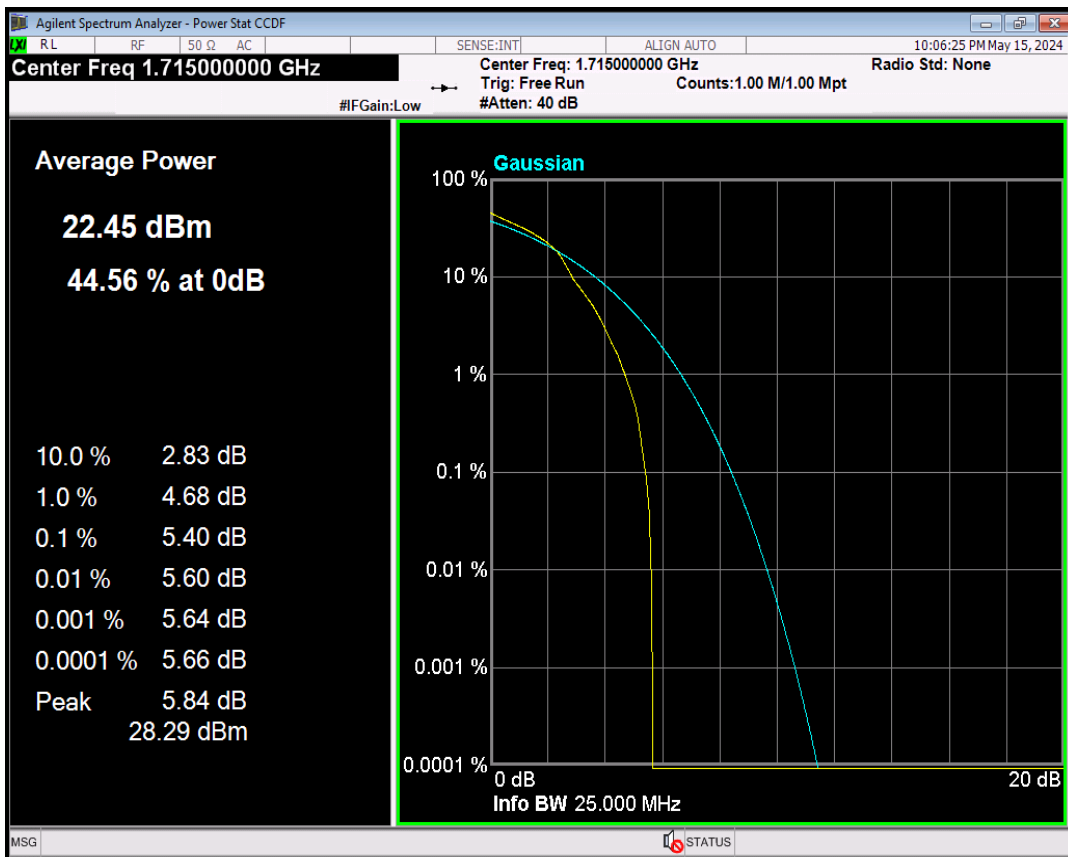


Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0

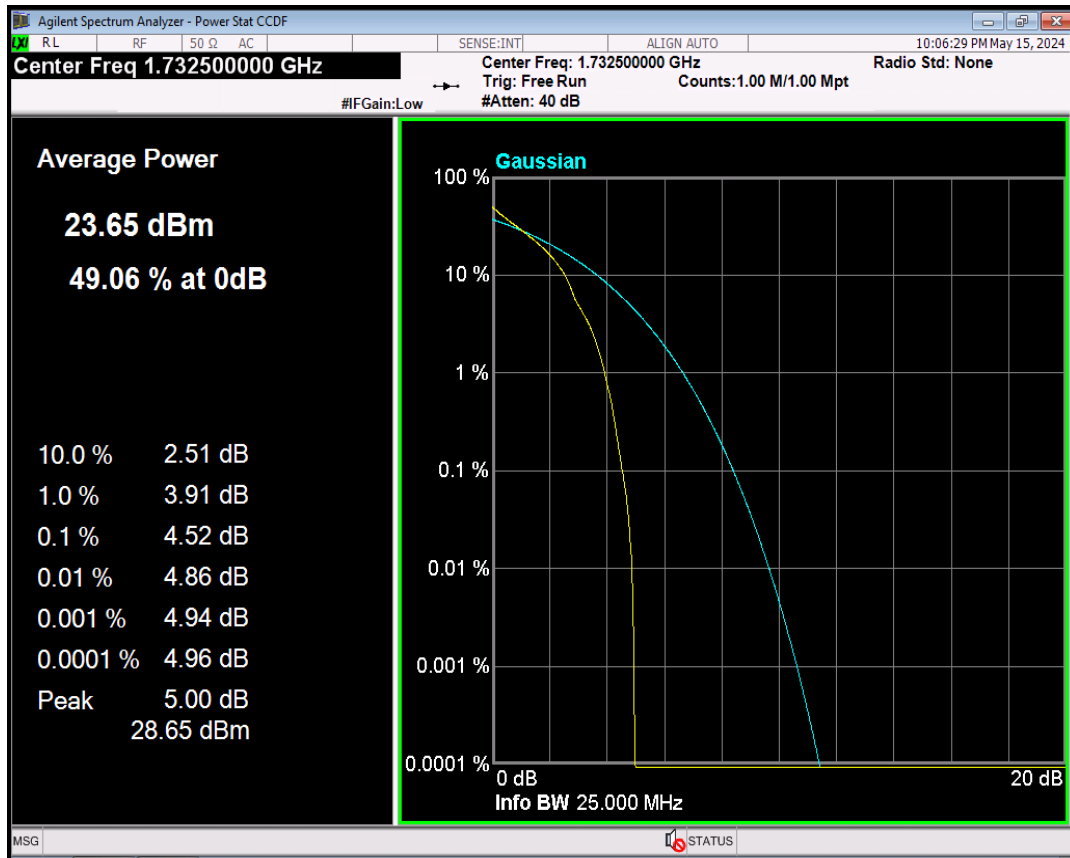




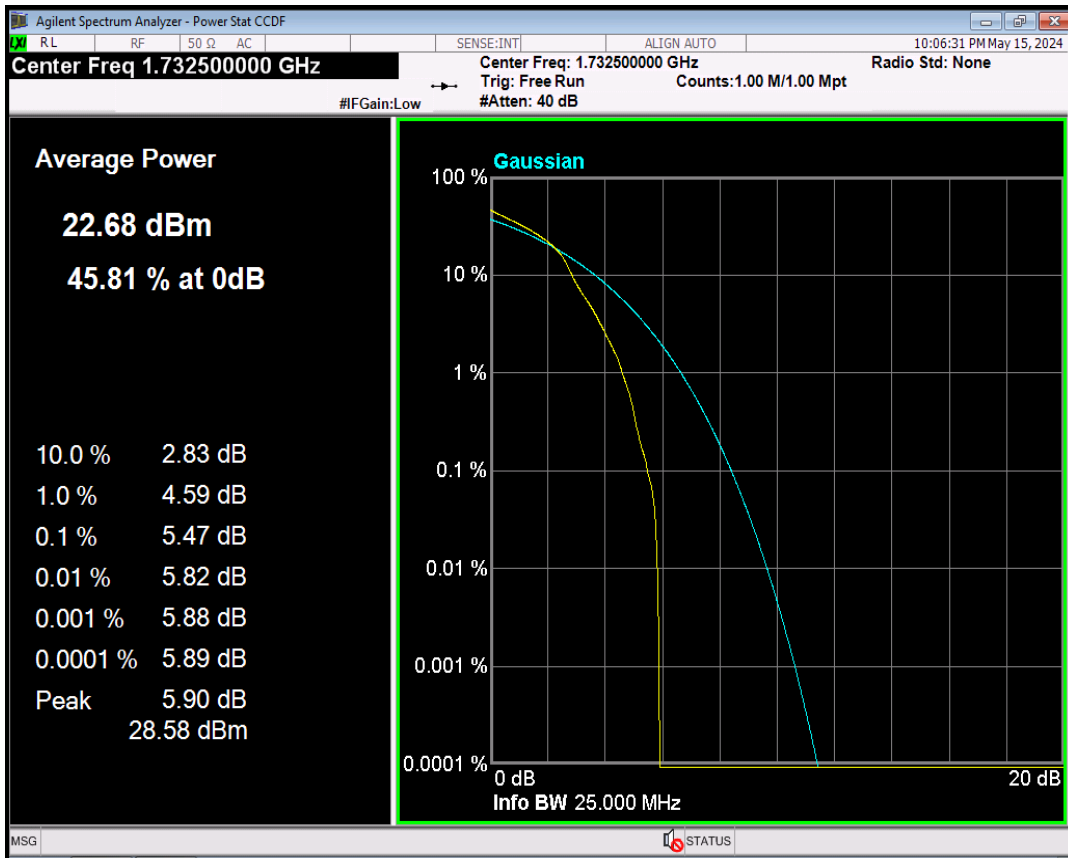
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



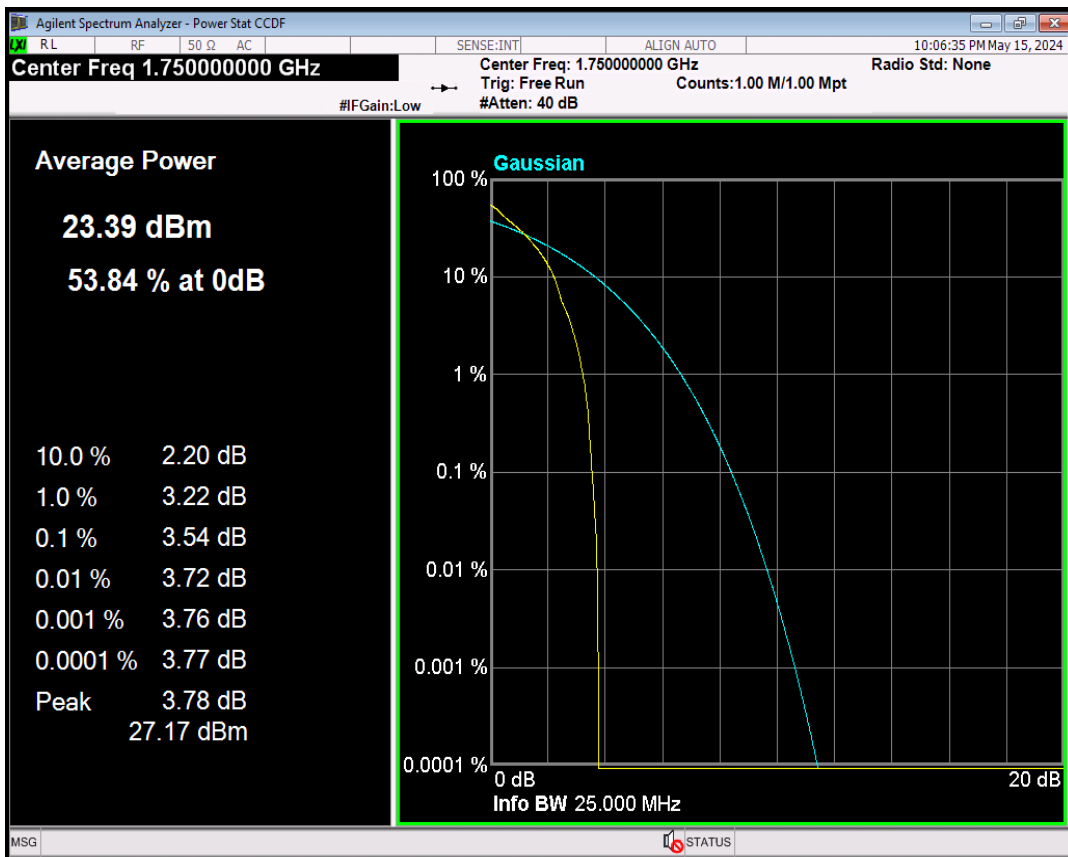
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



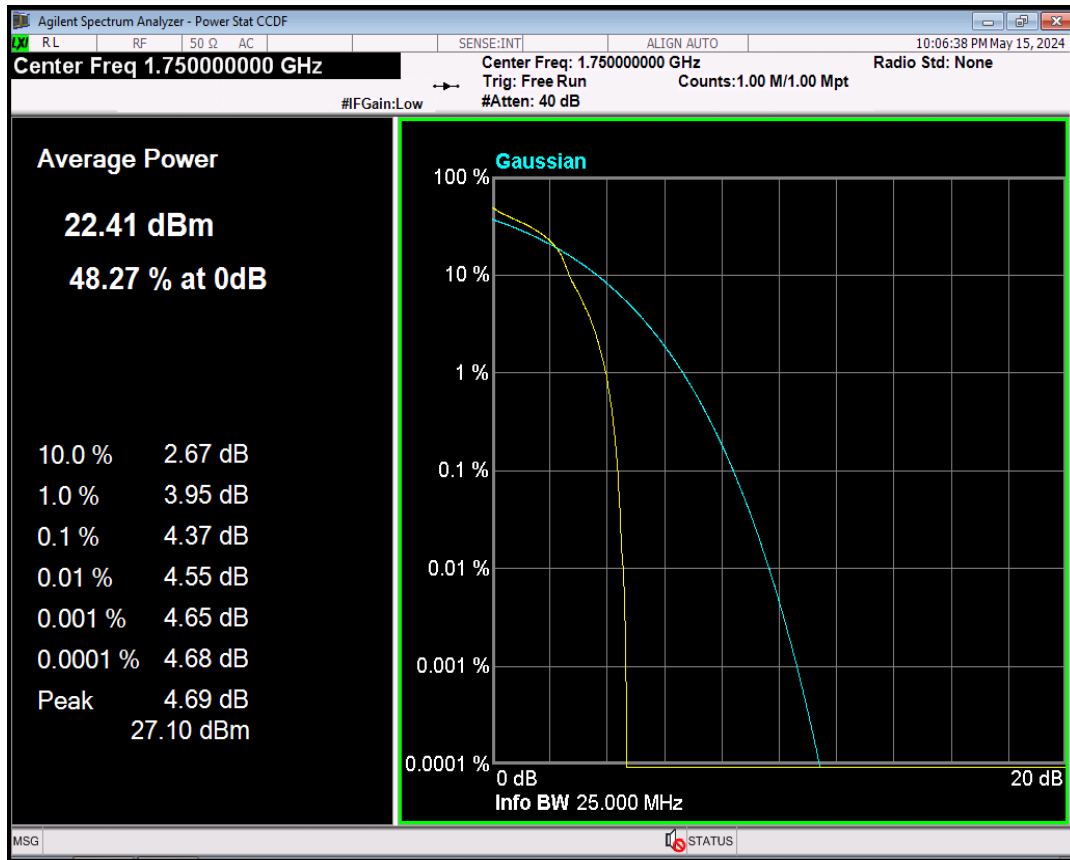
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



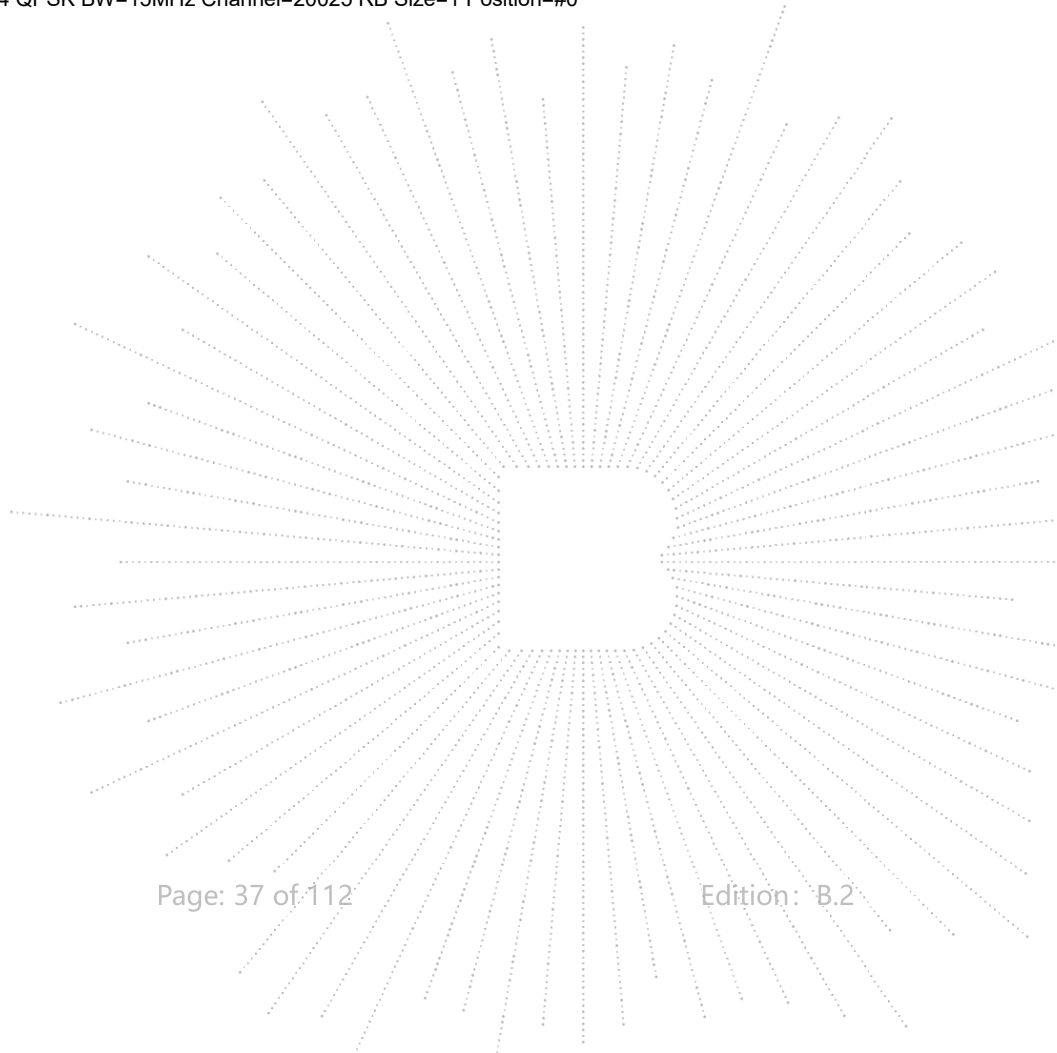
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

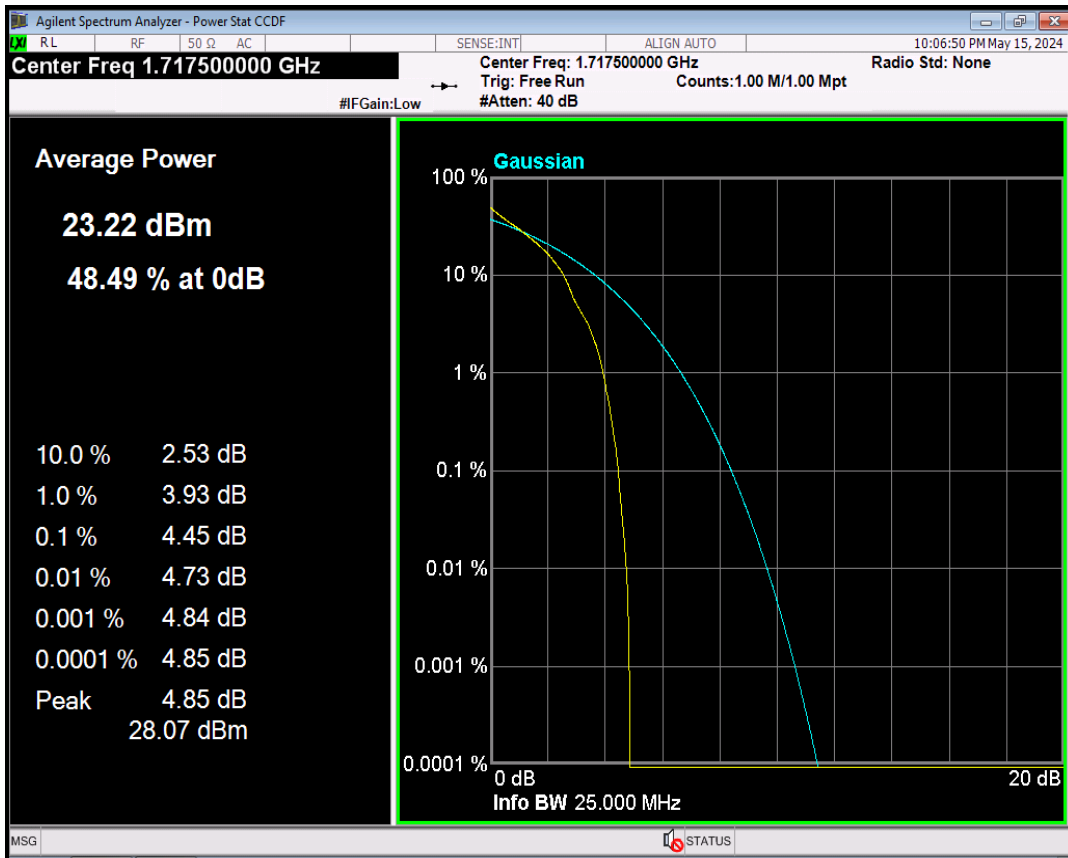


Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0

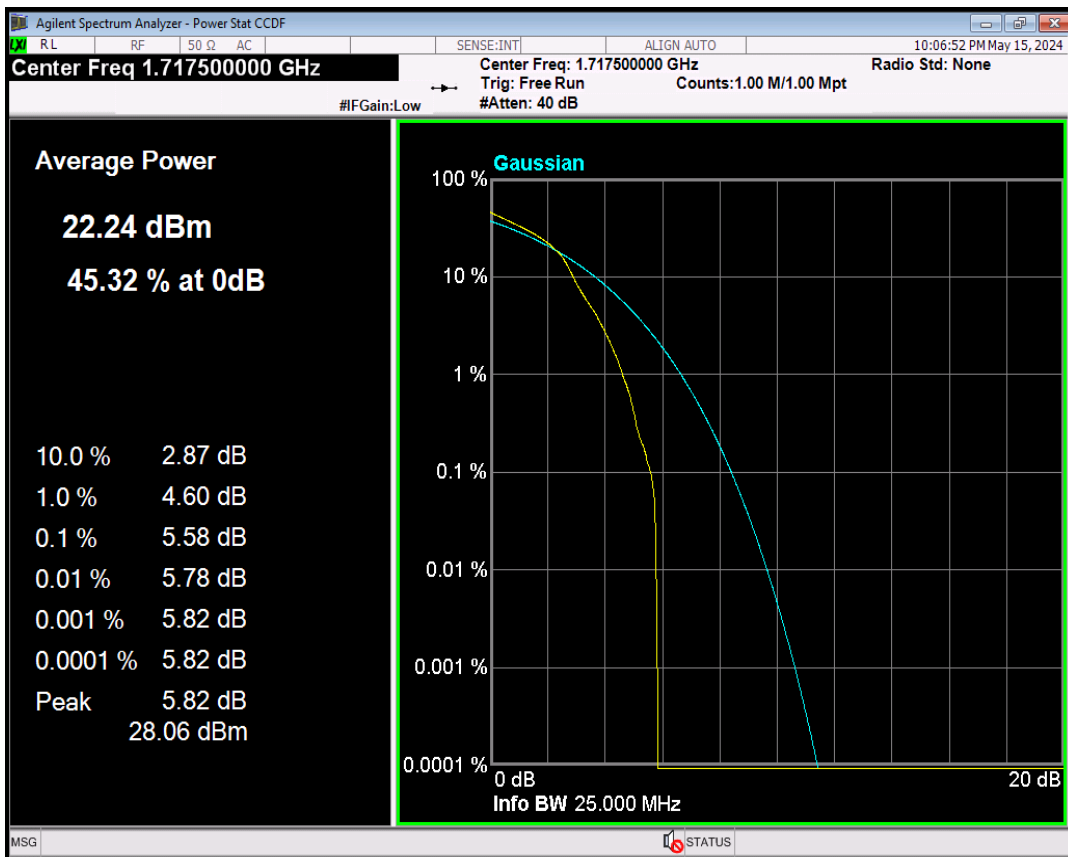


Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0

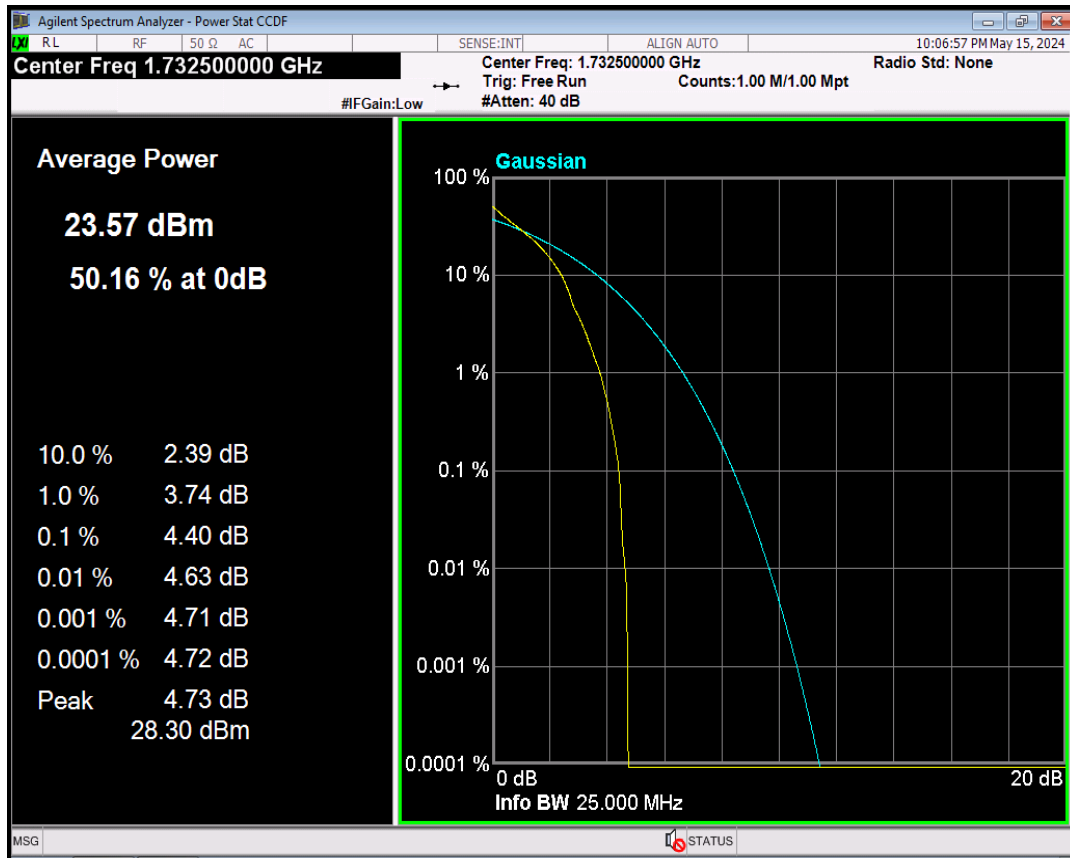




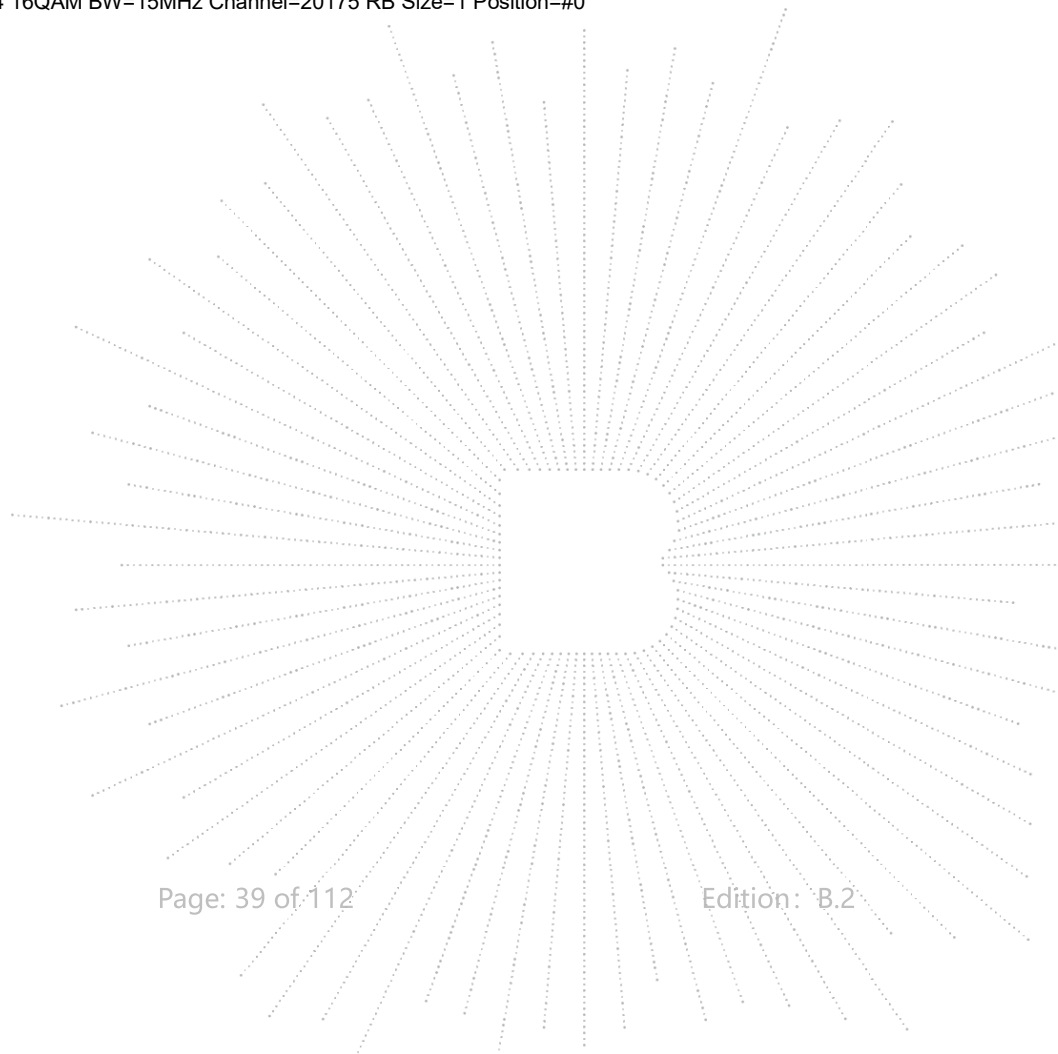
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

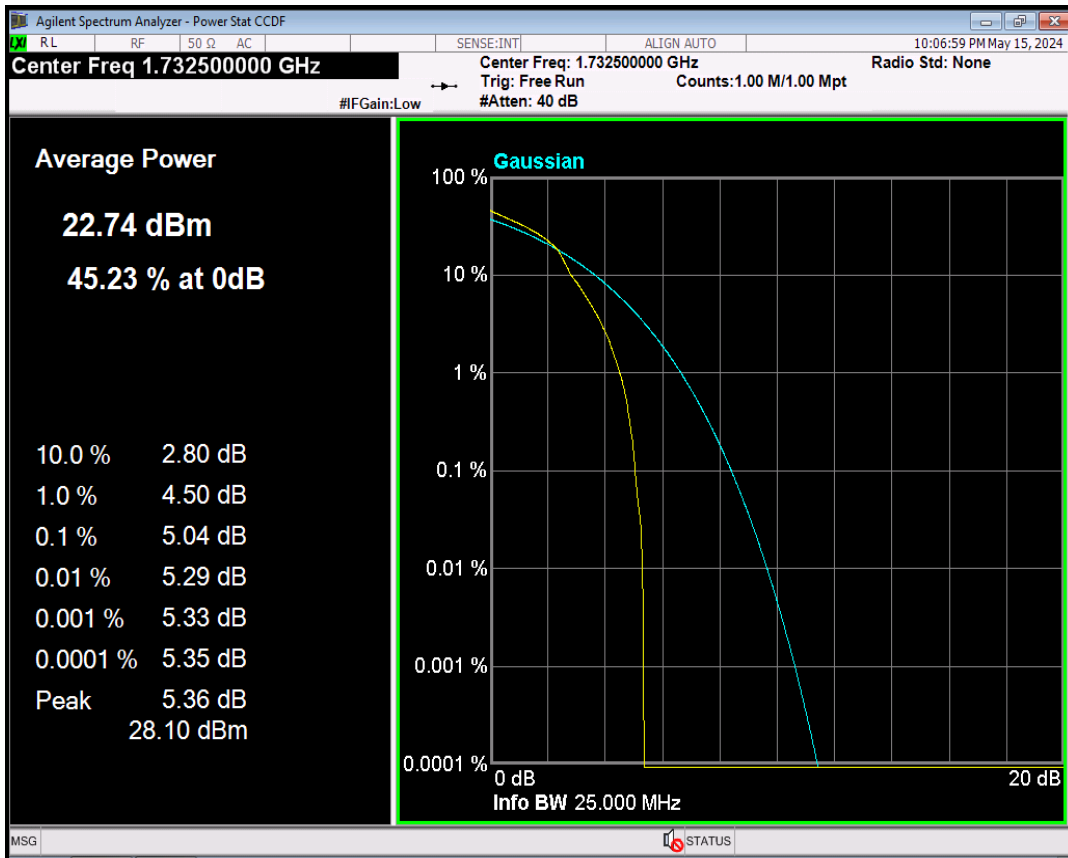


Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

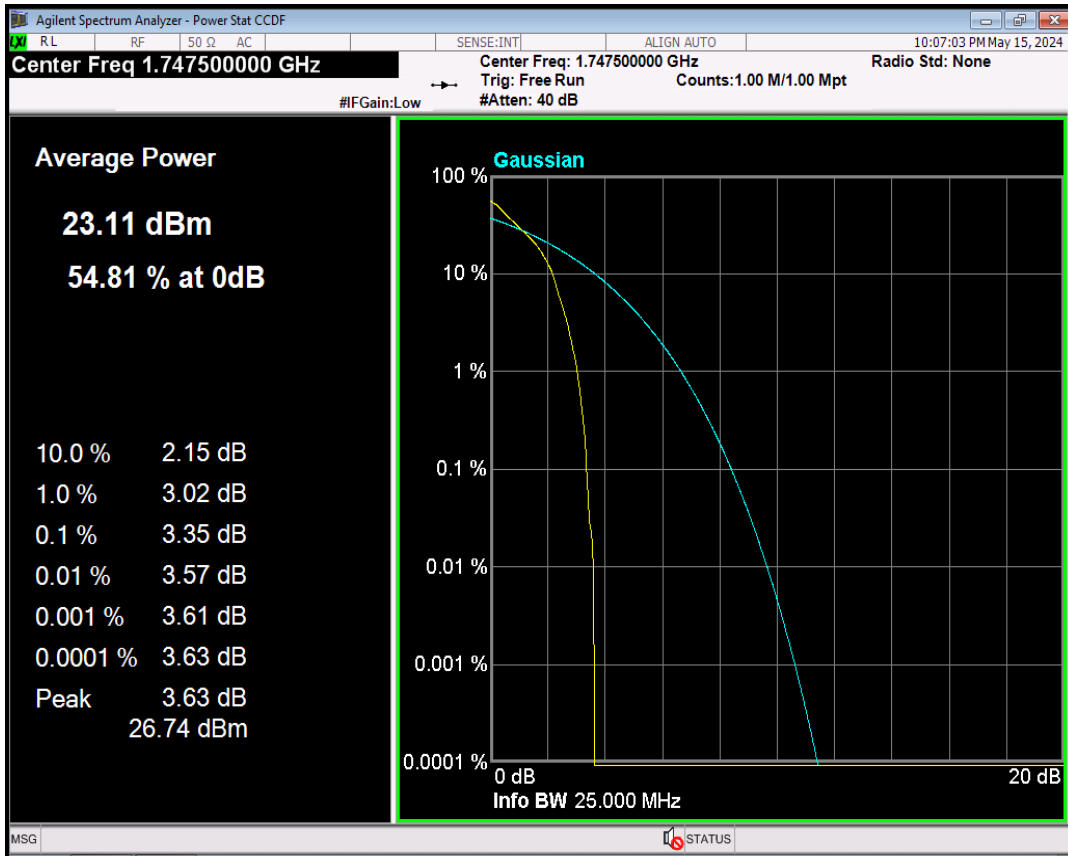


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



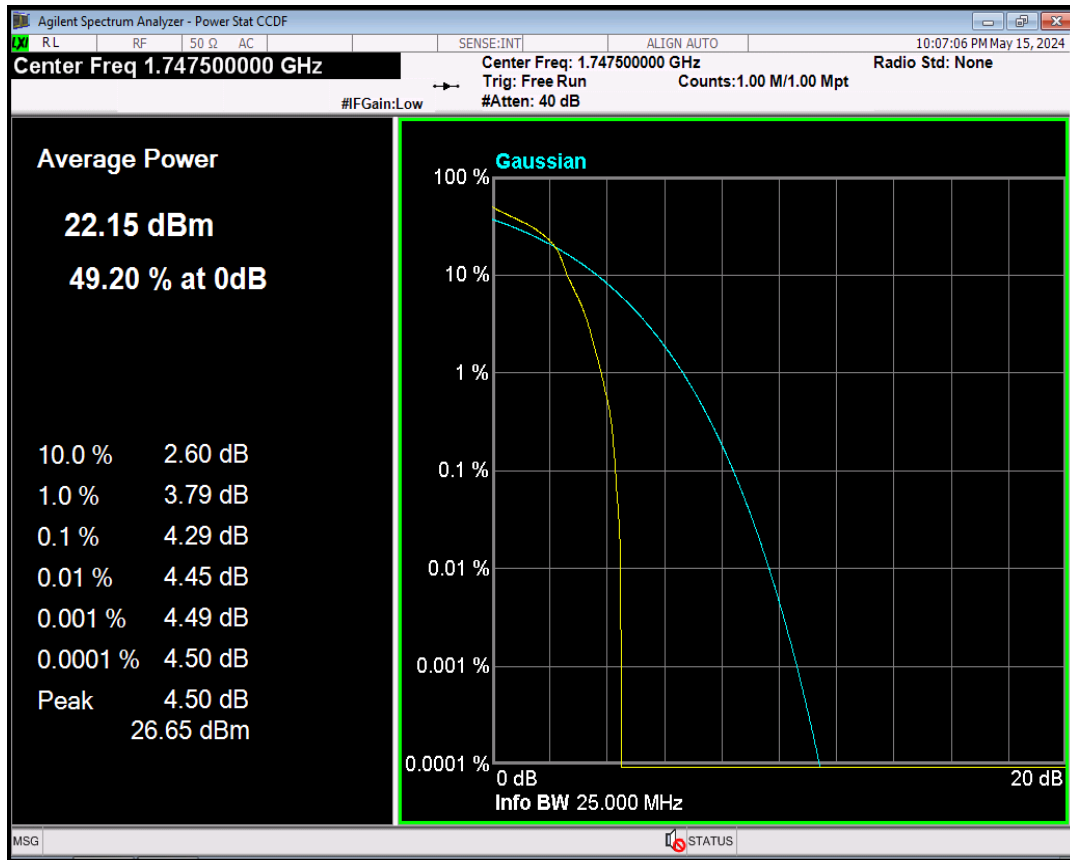


Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0

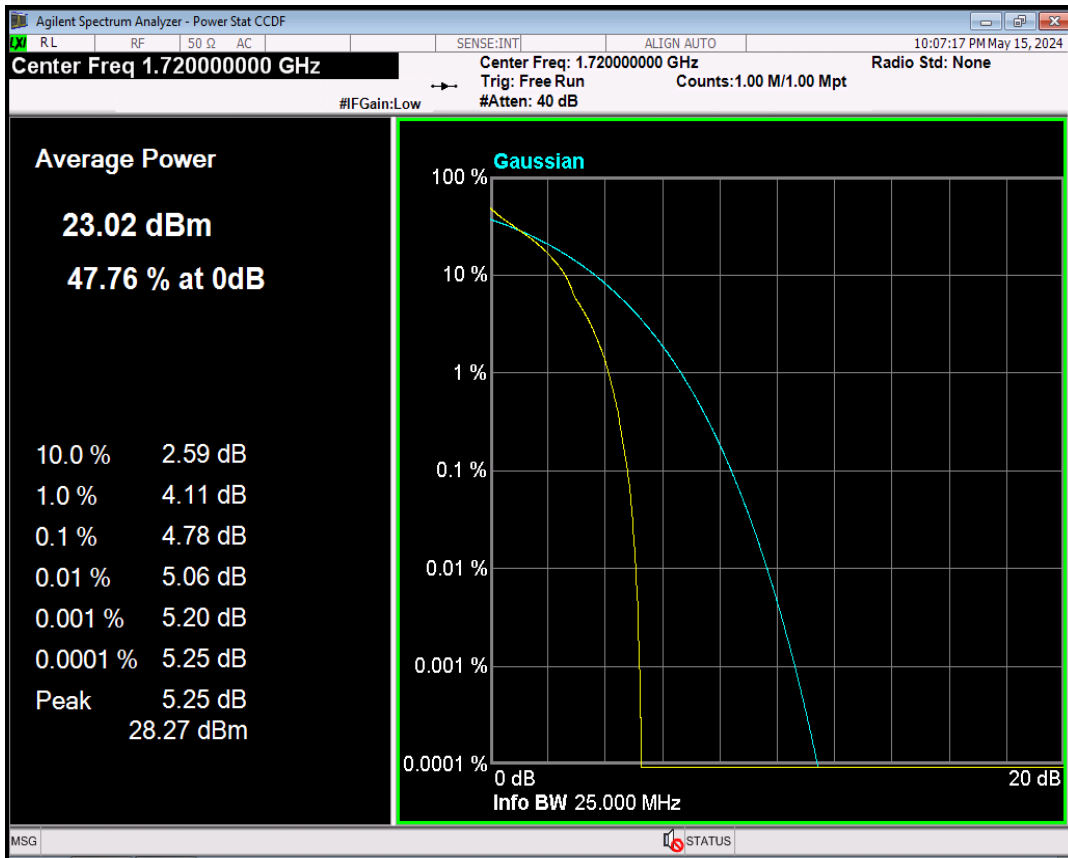




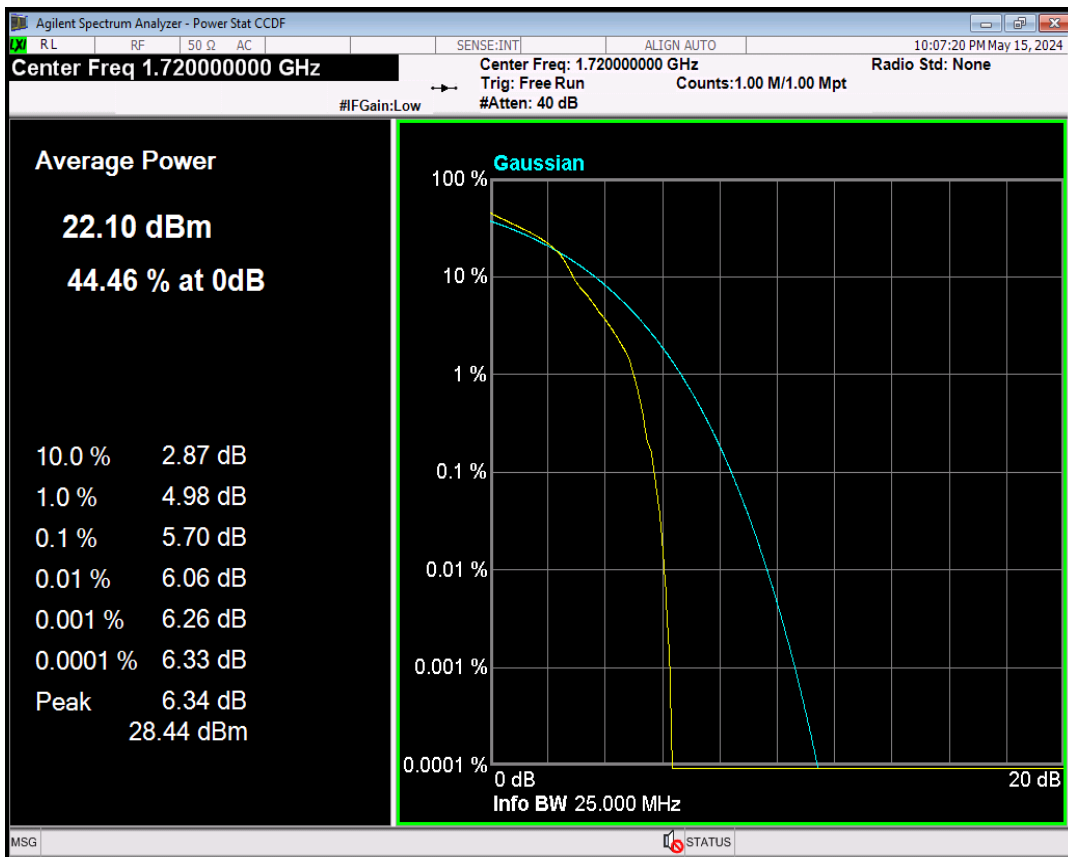
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



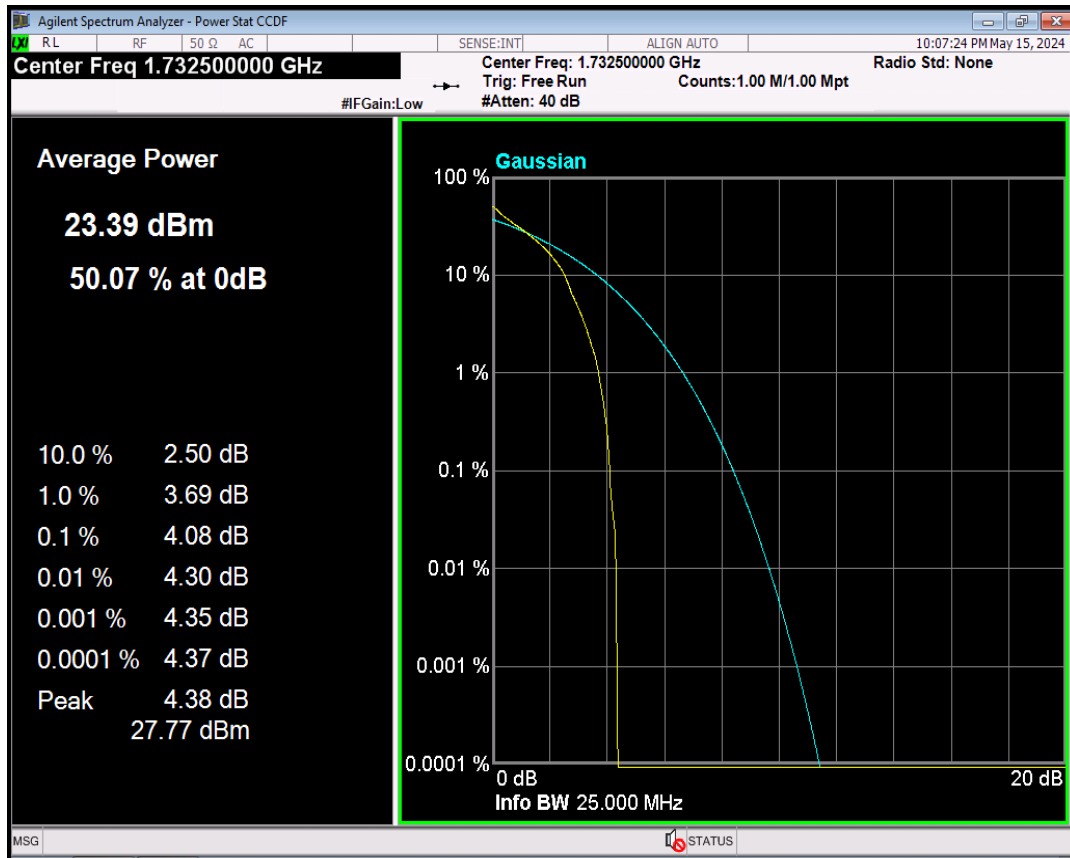
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



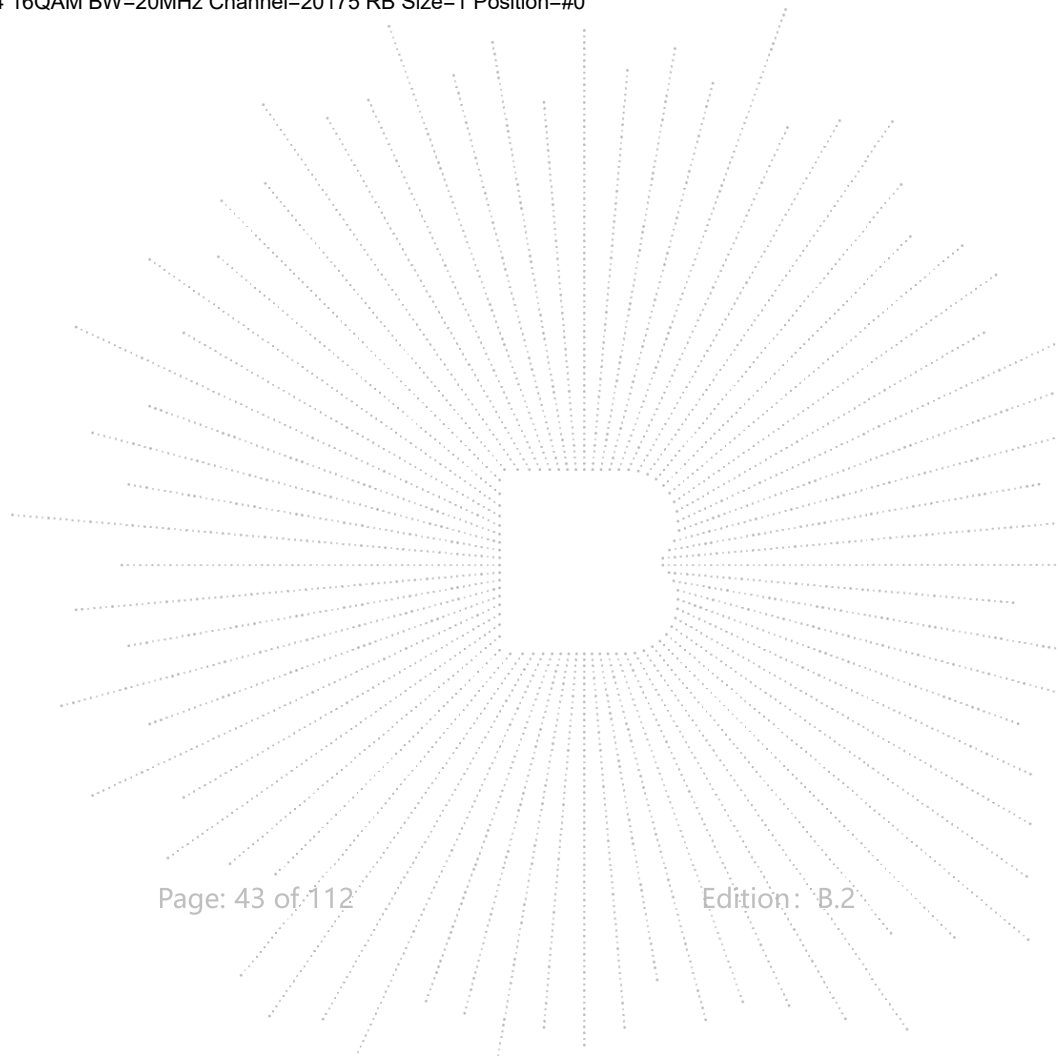
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0

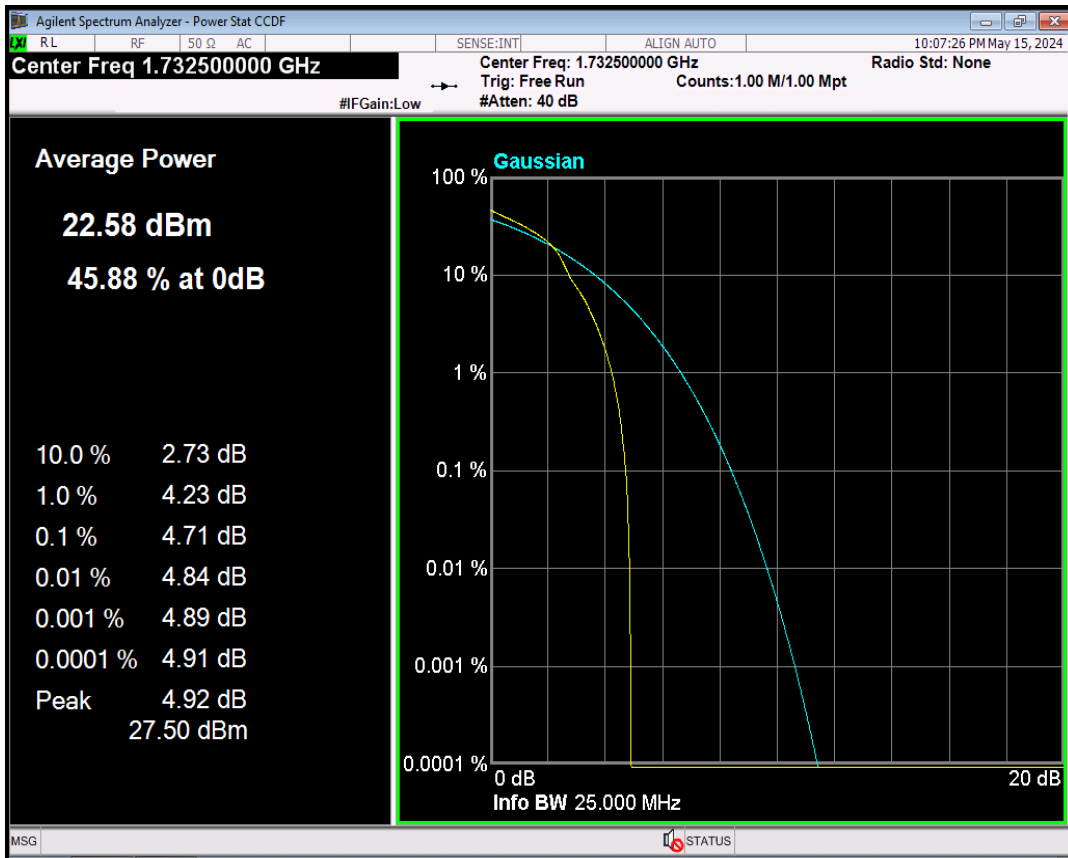


Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

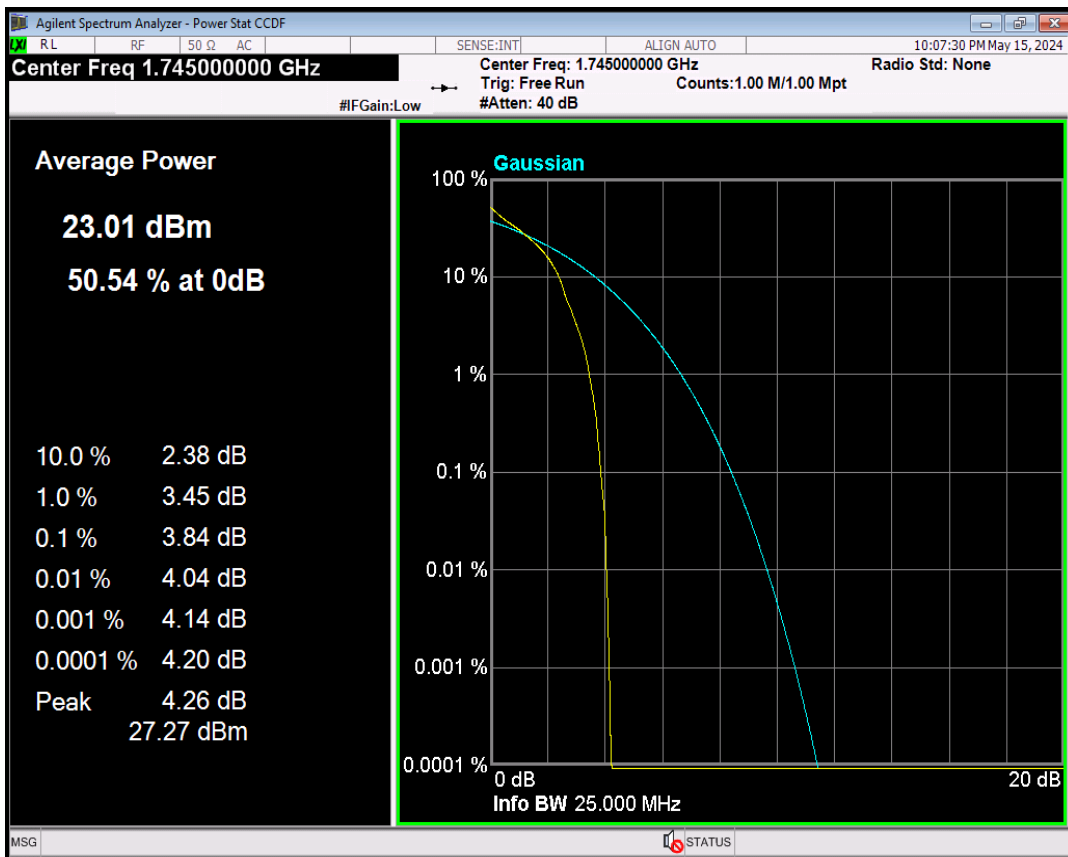


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0

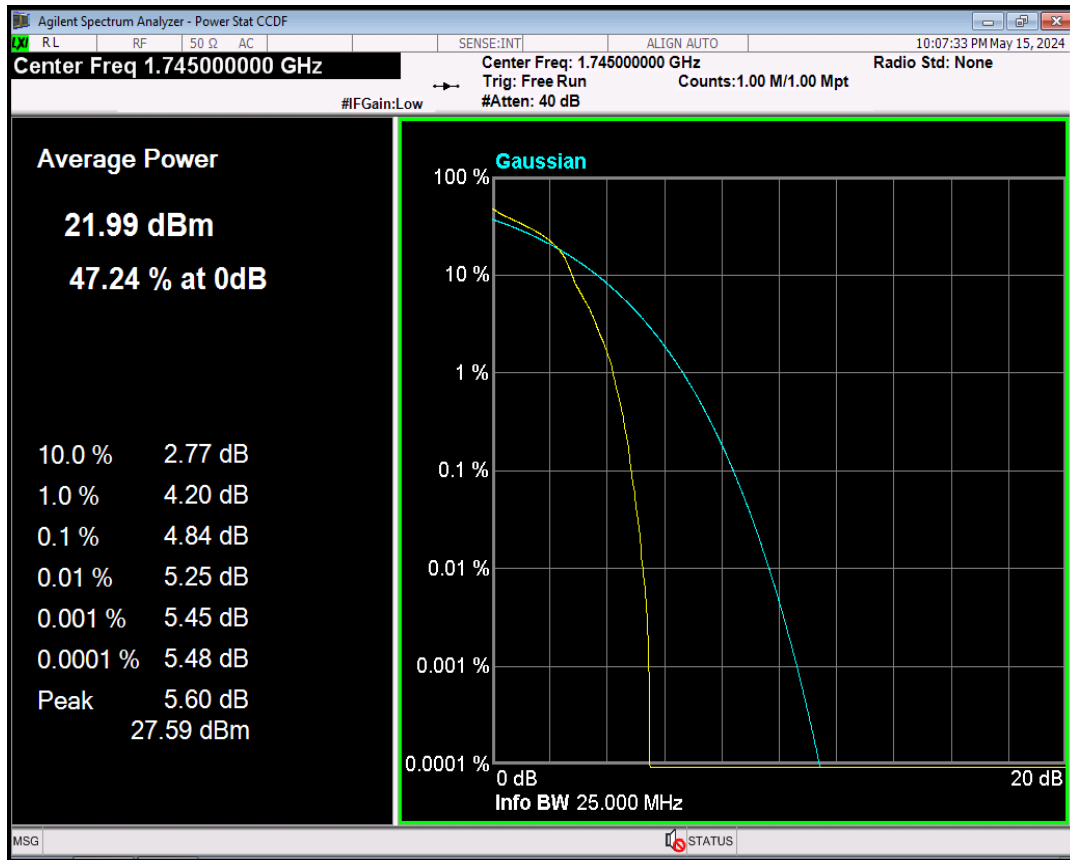




Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



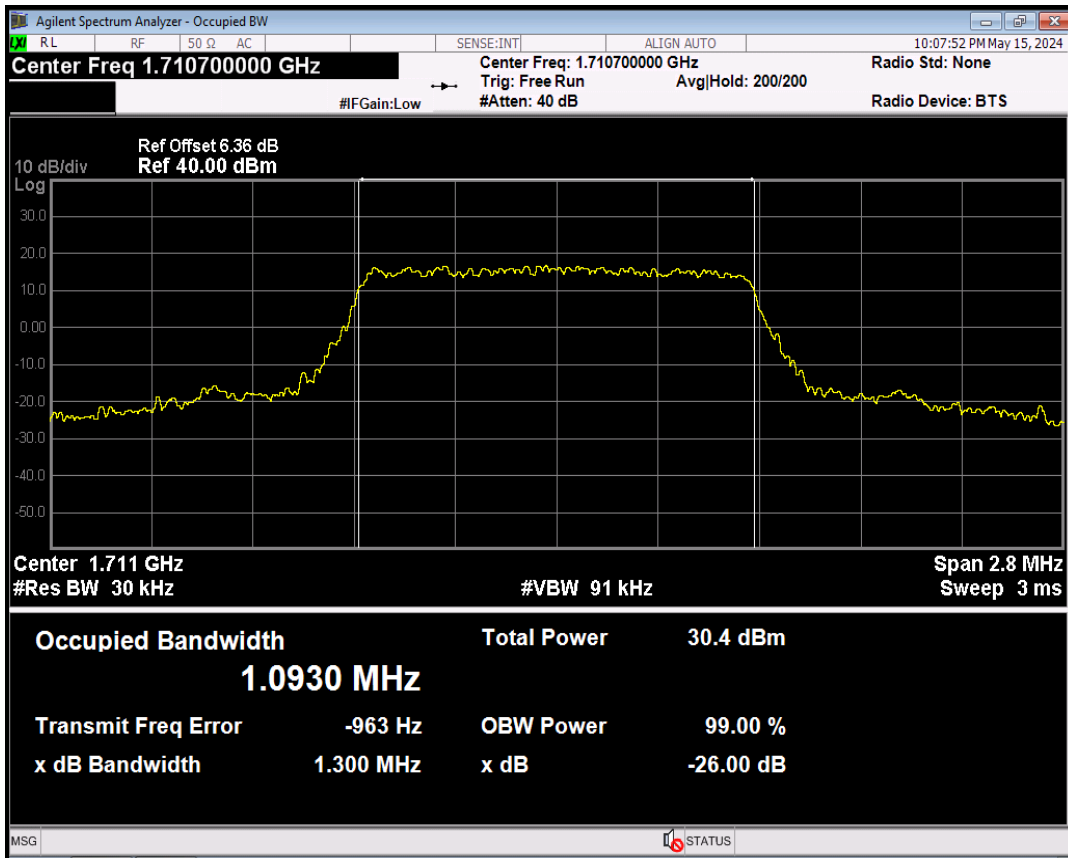
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



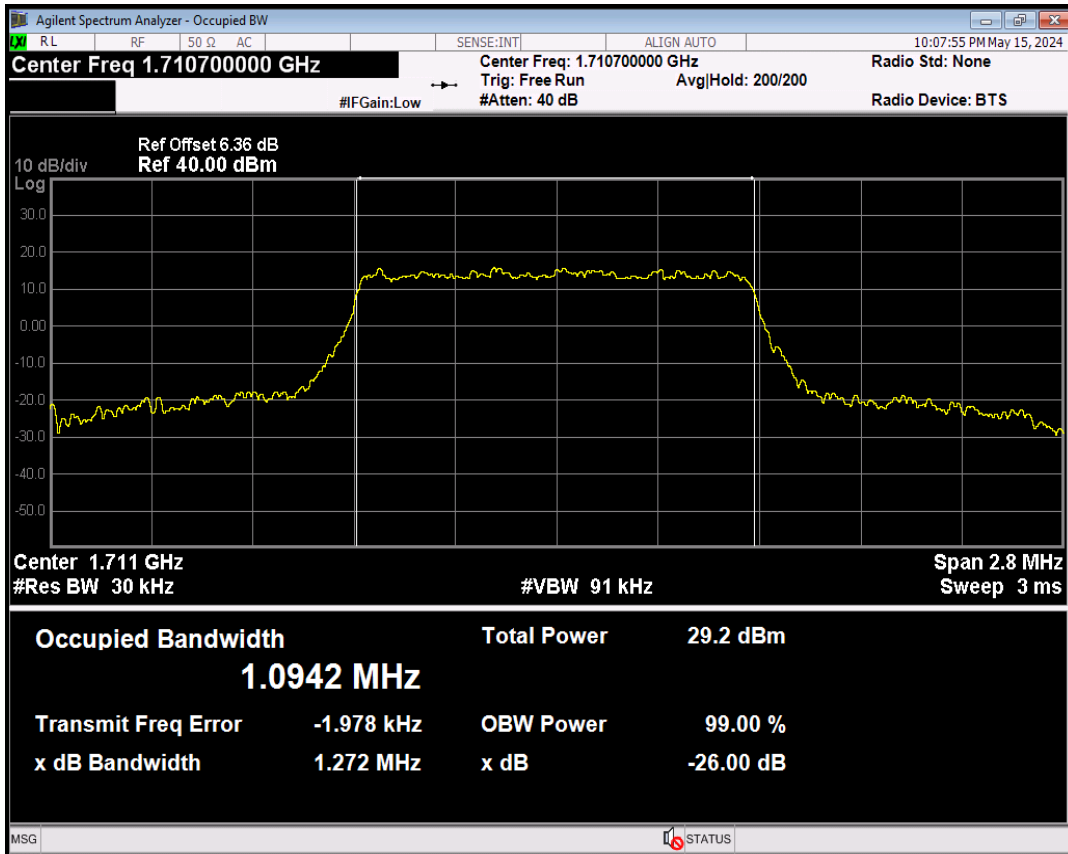
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.093	1.300	PASS
Band4	1.4	19957	6	#0	16QAM	1.094	1.272	PASS
Band4	1.4	20175	6	#0	QPSK	1.098	1.284	PASS
Band4	1.4	20175	6	#0	16QAM	1.094	1.278	PASS
Band4	1.4	20393	6	#0	QPSK	1.093	1.303	PASS
Band4	1.4	20393	6	#0	16QAM	1.103	1.304	PASS
Band4	3	19965	15	#0	QPSK	2.691	2.923	PASS
Band4	3	19965	15	#0	16QAM	2.688	2.888	PASS
Band4	3	20175	15	#0	QPSK	2.691	2.913	PASS
Band4	3	20175	15	#0	16QAM	2.691	2.935	PASS
Band4	3	20385	15	#0	QPSK	2.699	2.926	PASS
Band4	3	20385	15	#0	16QAM	2.689	2.940	PASS
Band4	5	19975	25	#0	QPSK	4.508	4.936	PASS
Band4	5	19975	25	#0	16QAM	4.536	4.911	PASS
Band4	5	20175	25	#0	QPSK	4.516	4.916	PASS
Band4	5	20175	25	#0	16QAM	4.512	4.945	PASS
Band4	5	20375	25	#0	QPSK	4.519	4.937	PASS
Band4	5	20375	25	#0	16QAM	4.518	4.917	PASS
Band4	10	20000	50	#0	QPSK	9.018	9.739	PASS
Band4	10	20000	50	#0	16QAM	9.015	9.672	PASS
Band4	10	20175	50	#0	QPSK	9.009	9.792	PASS
Band4	10	20175	50	#0	16QAM	9.024	9.700	PASS
Band4	10	20350	50	#0	QPSK	9.004	9.719	PASS
Band4	10	20350	50	#0	16QAM	8.995	9.673	PASS
Band4	15	20025	75	#0	QPSK	13.499	14.471	PASS
Band4	15	20025	75	#0	16QAM	13.493	14.653	PASS
Band4	15	20175	75	#0	QPSK	13.514	14.750	PASS
Band4	15	20175	75	#0	16QAM	13.504	14.714	PASS
Band4	15	20325	75	#0	QPSK	13.502	14.516	PASS
Band4	15	20325	75	#0	16QAM	13.542	14.500	PASS
Band4	20	20050	100	#0	QPSK	17.950	19.339	PASS
Band4	20	20050	100	#0	16QAM	17.970	19.057	PASS
Band4	20	20175	100	#0	QPSK	17.978	19.432	PASS
Band4	20	20175	100	#0	16QAM	18.020	19.324	PASS
Band4	20	20300	100	#0	QPSK	17.973	19.357	PASS
Band4	20	20300	100	#0	16QAM	17.974	19.315	PASS

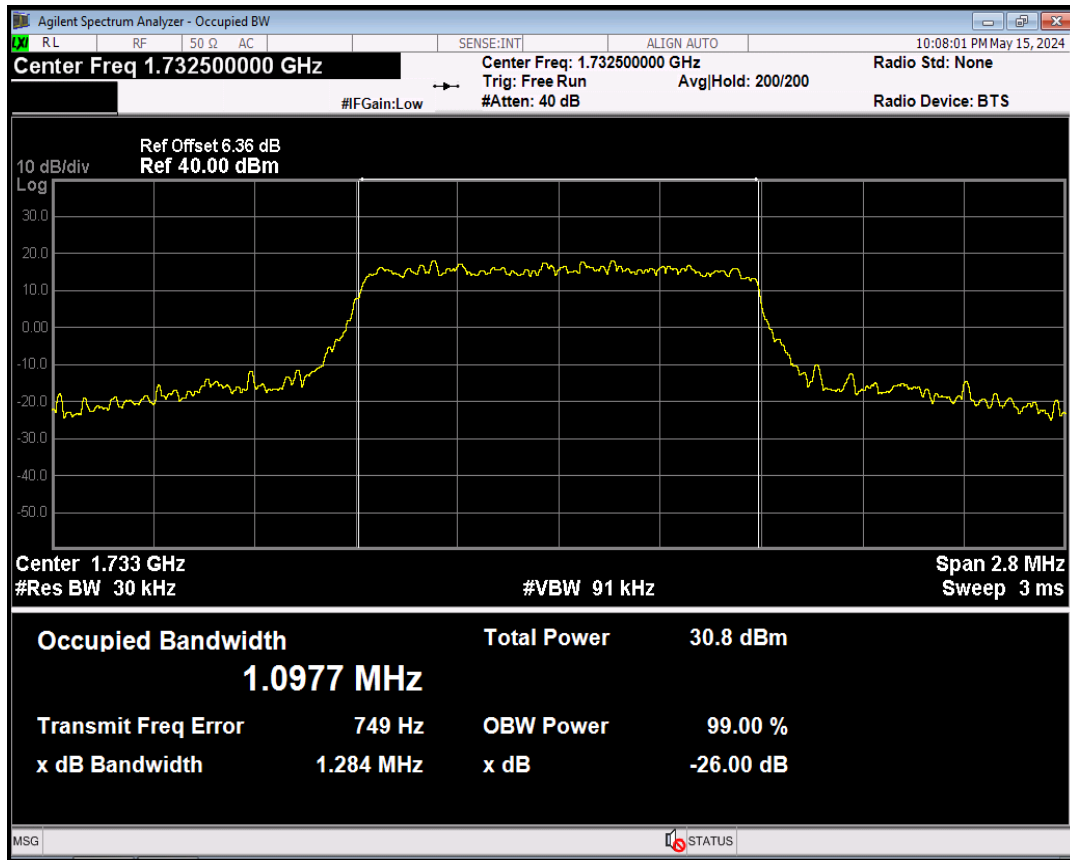
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



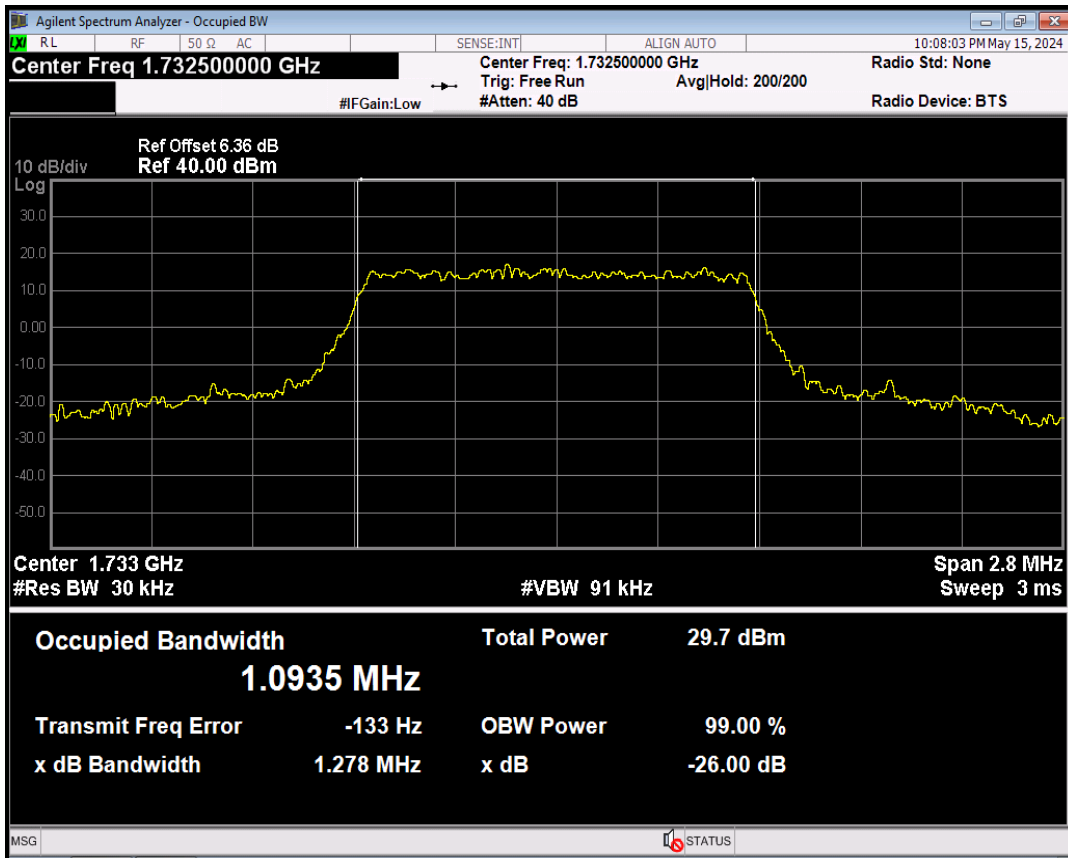
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



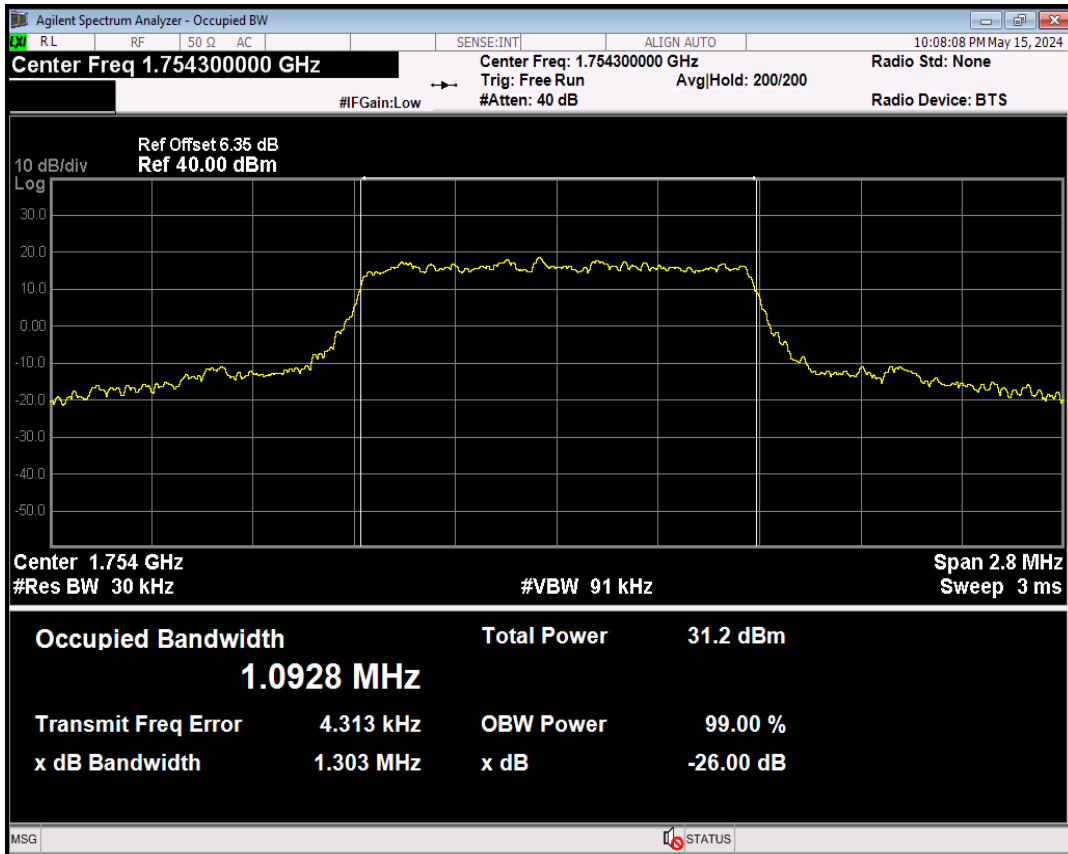
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

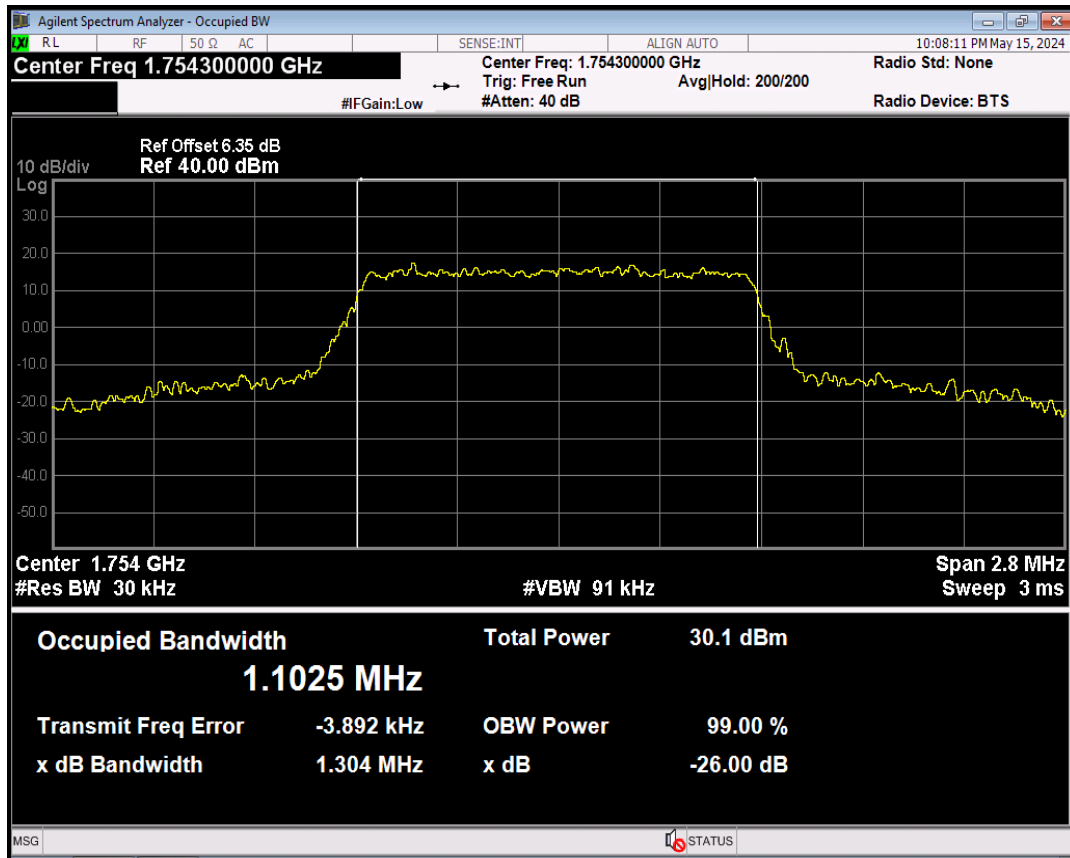


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

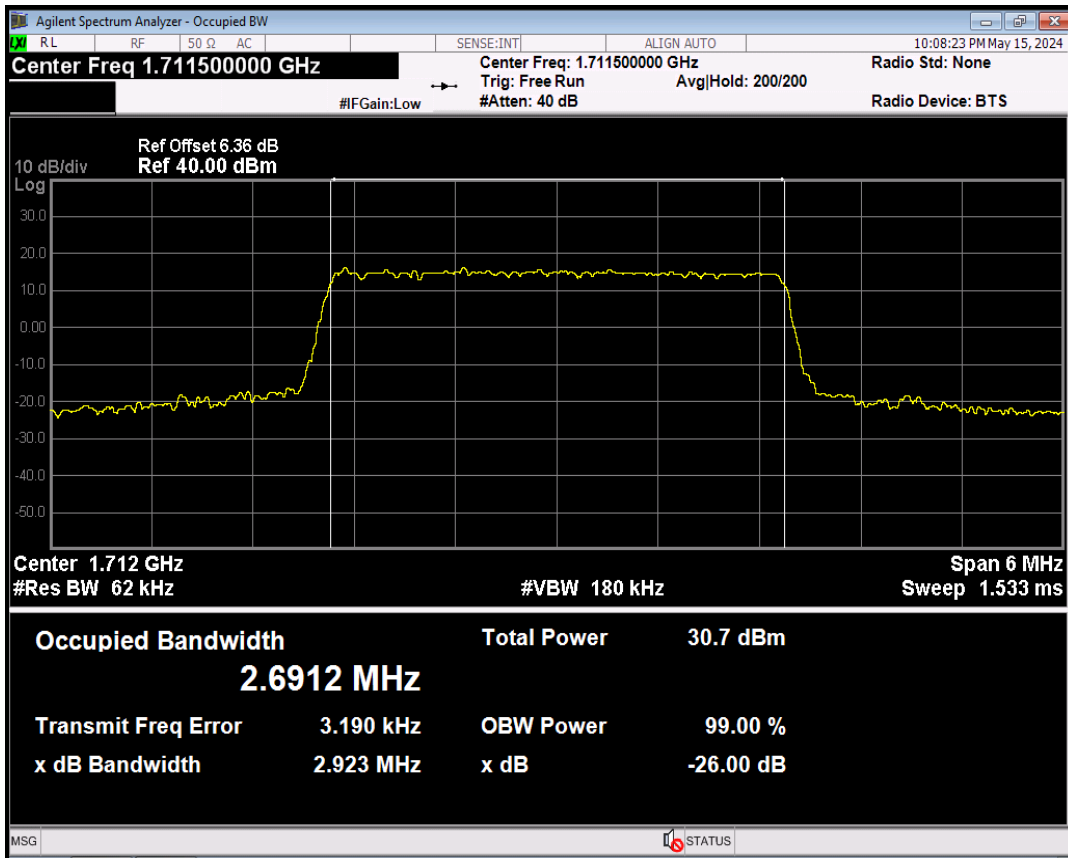




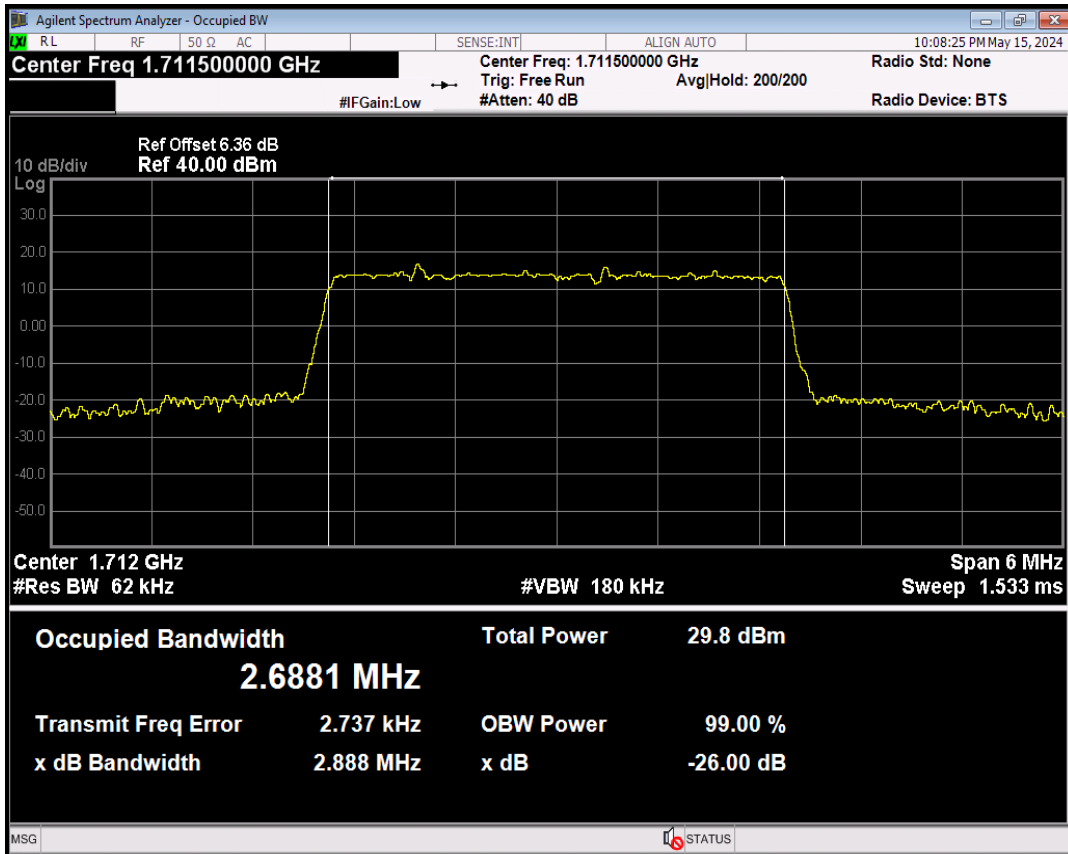
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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

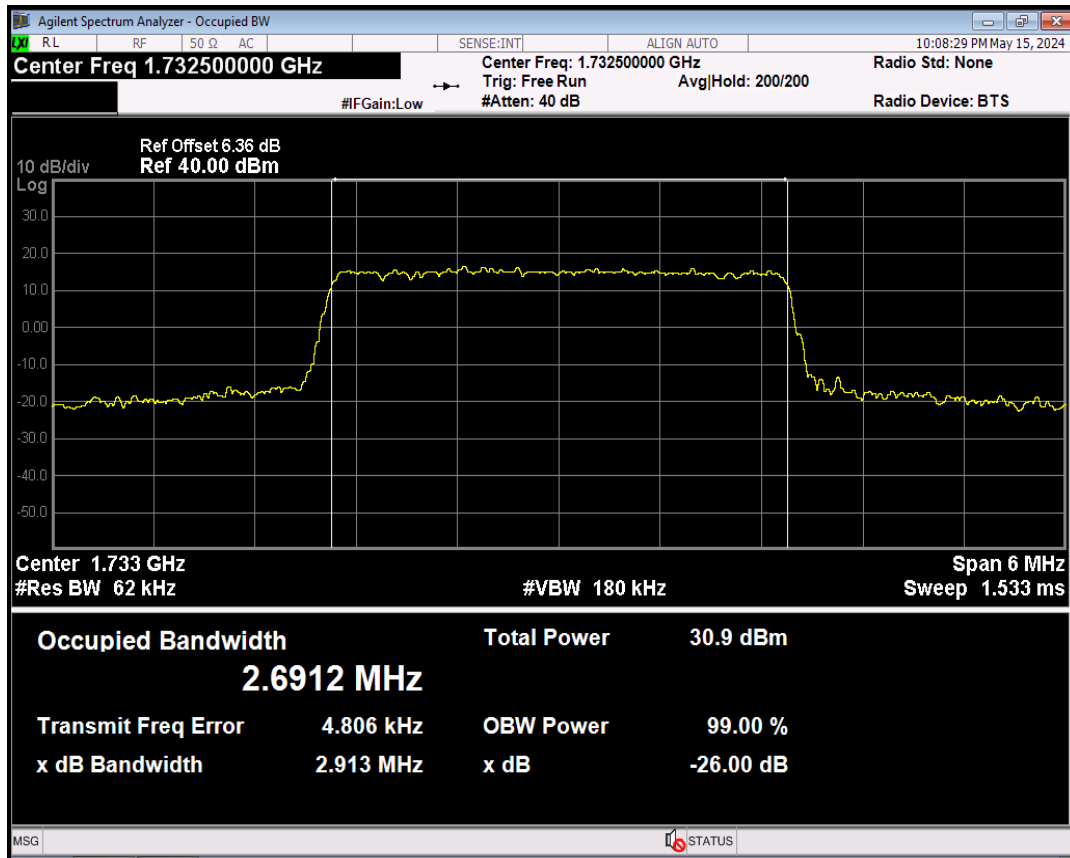


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

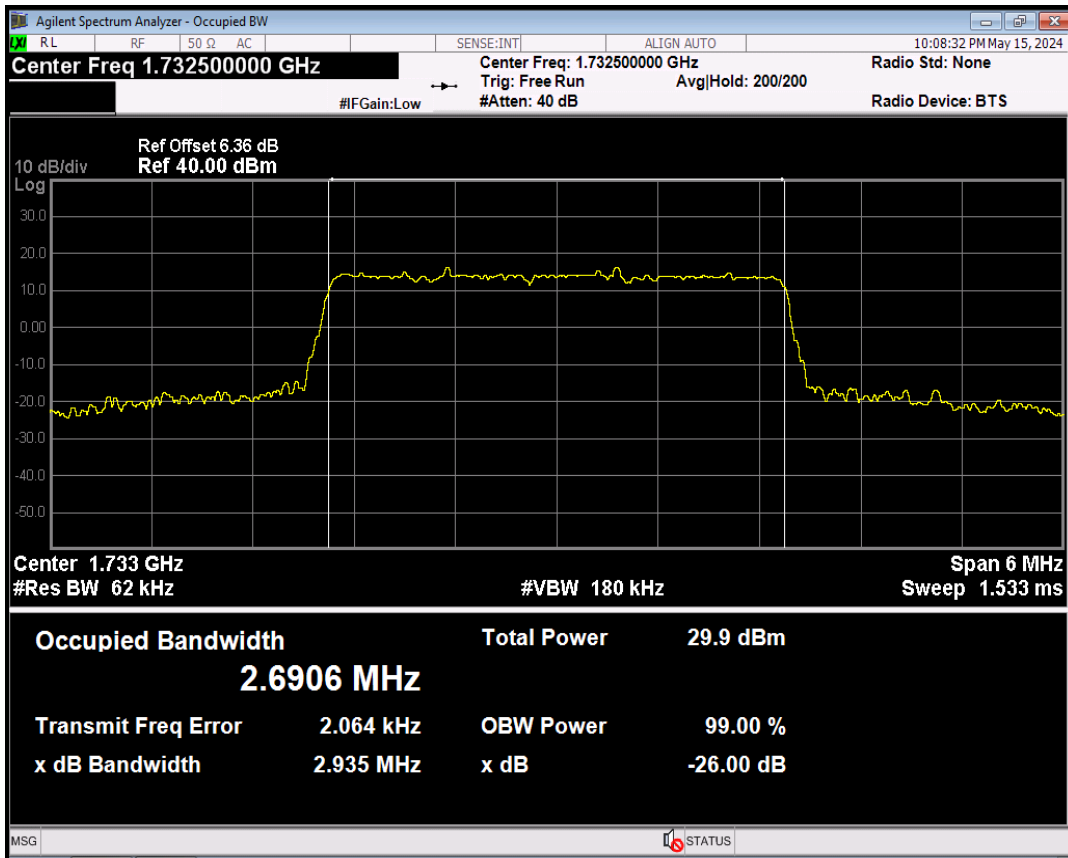




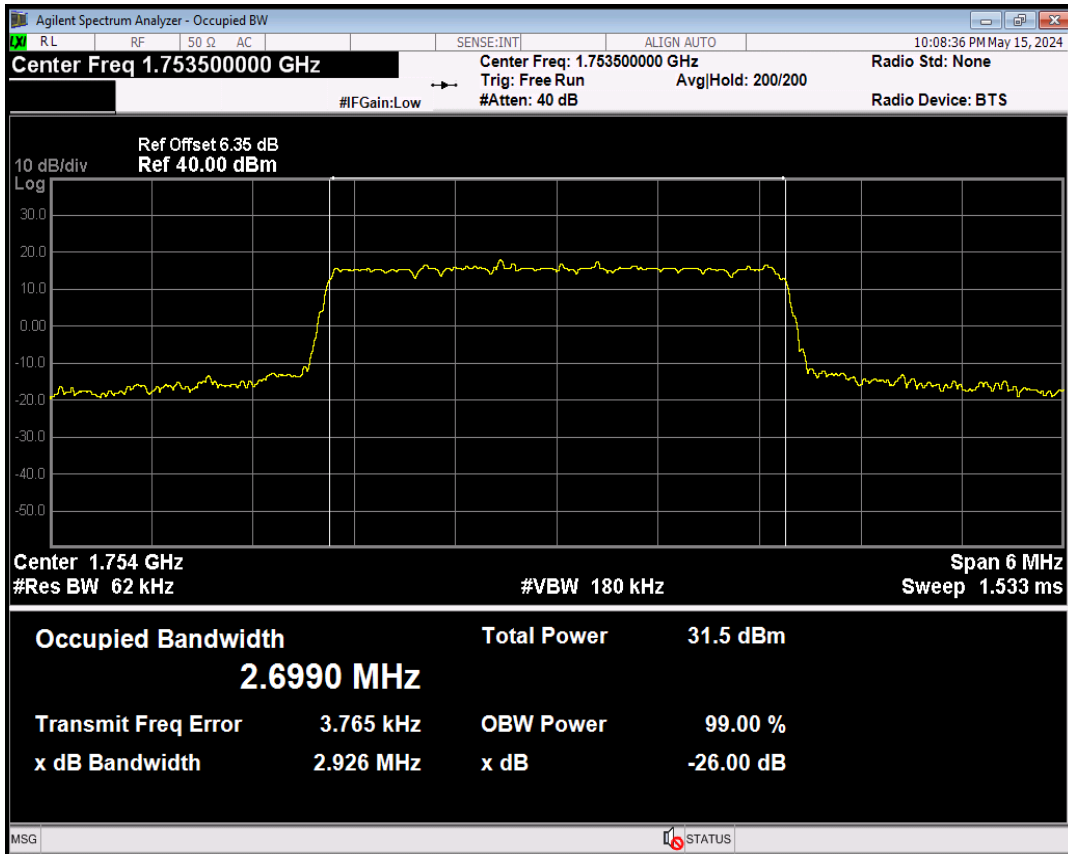
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

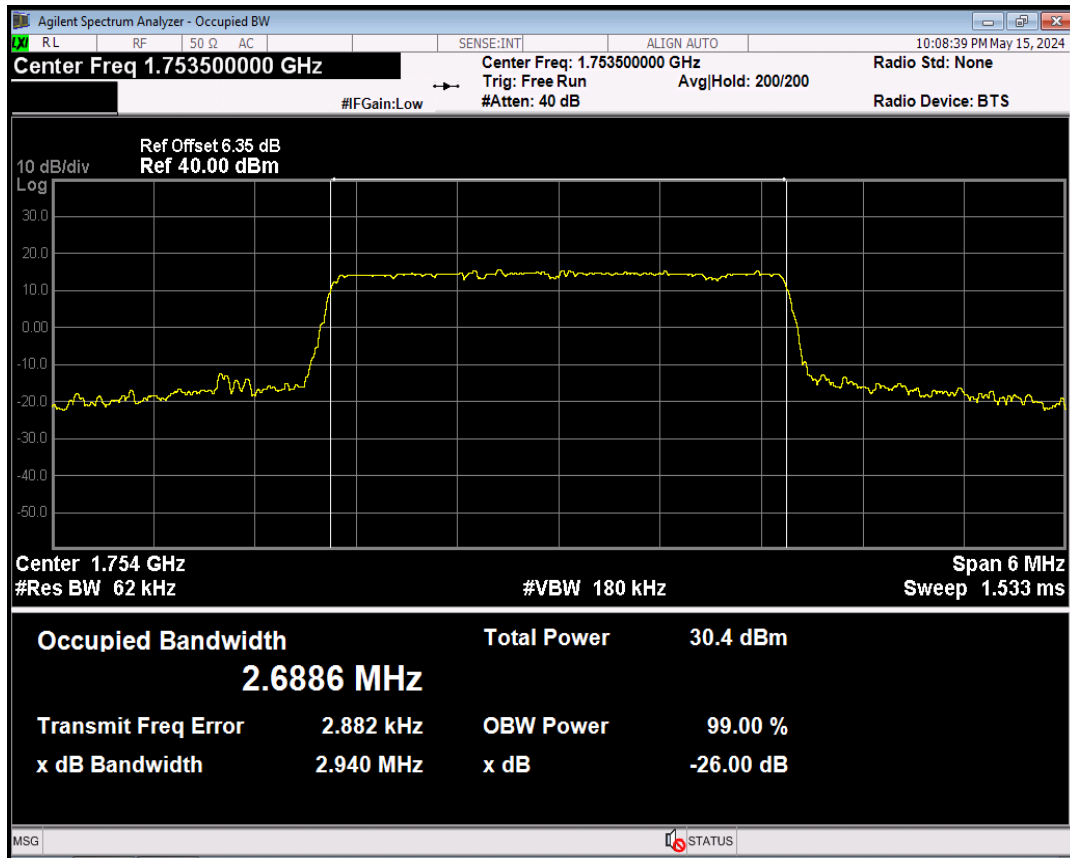


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

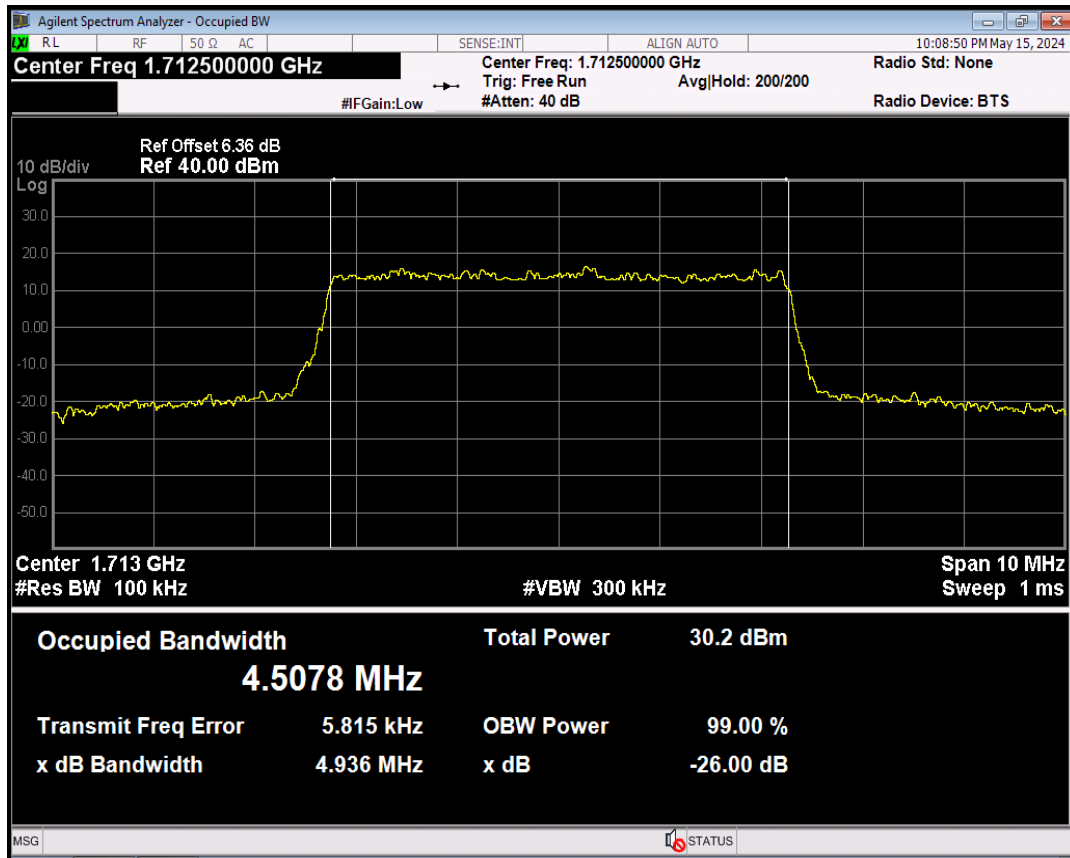




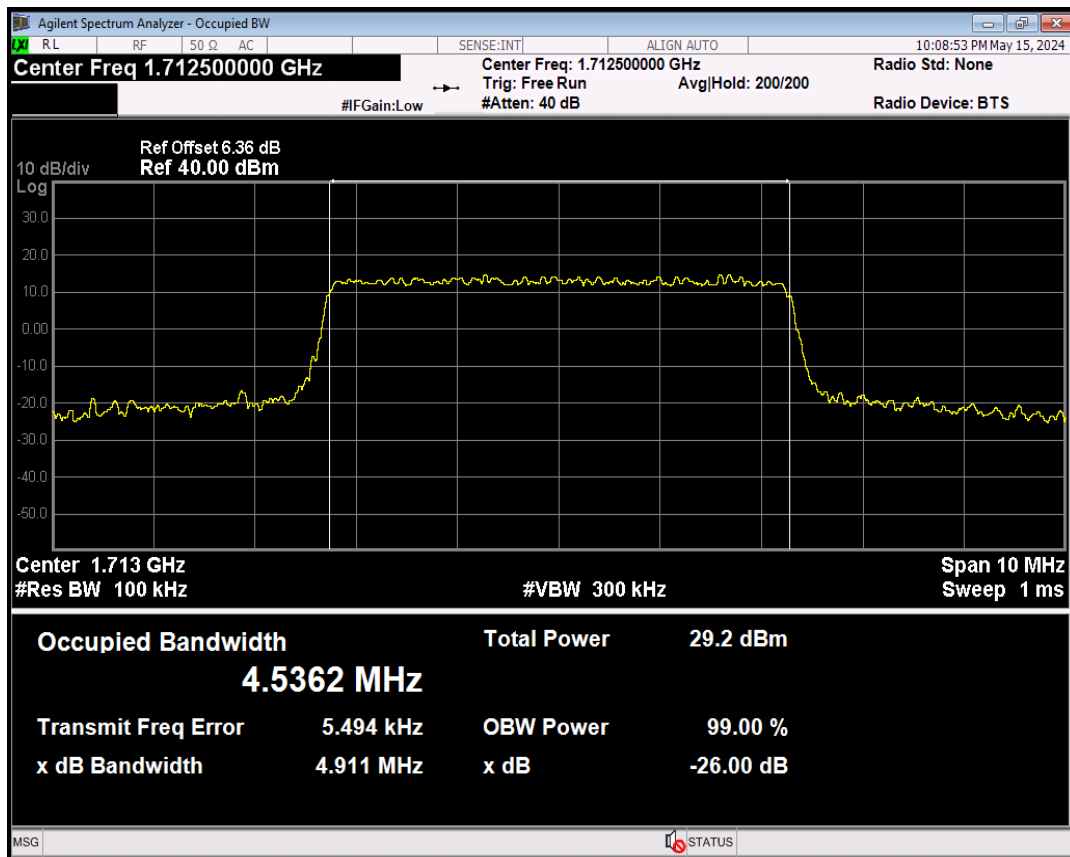
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



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

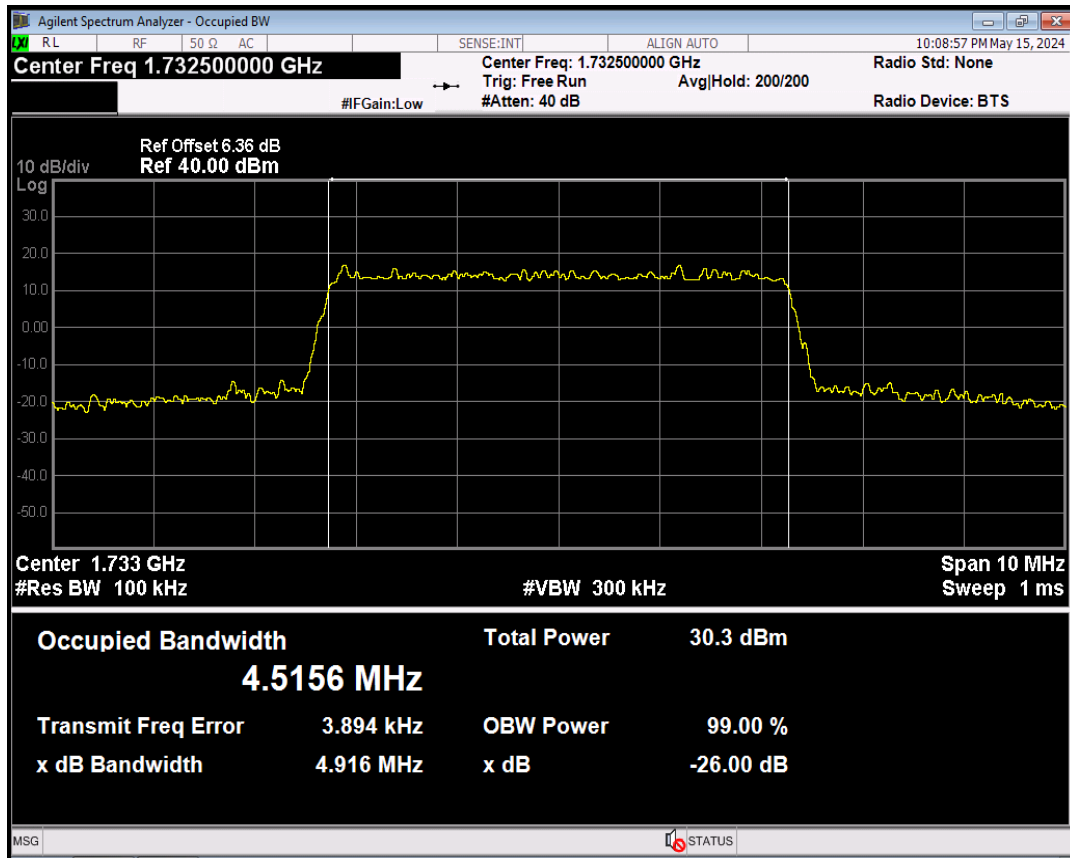


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

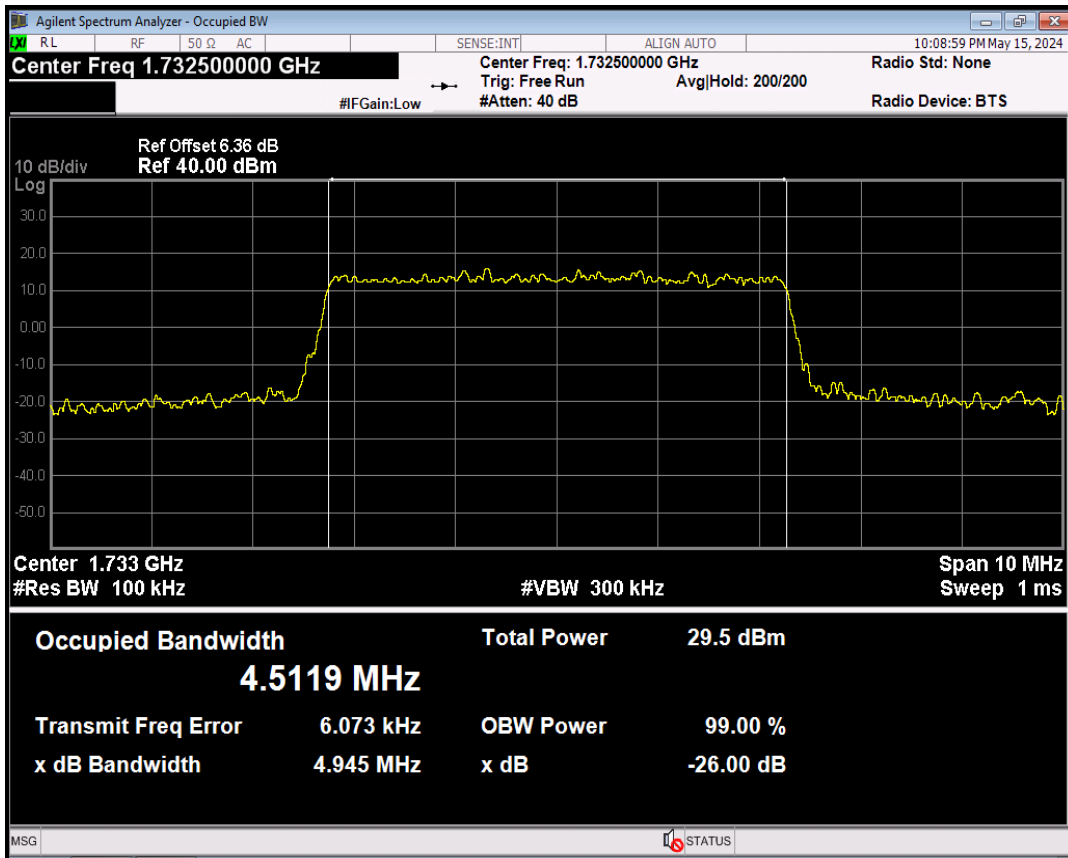




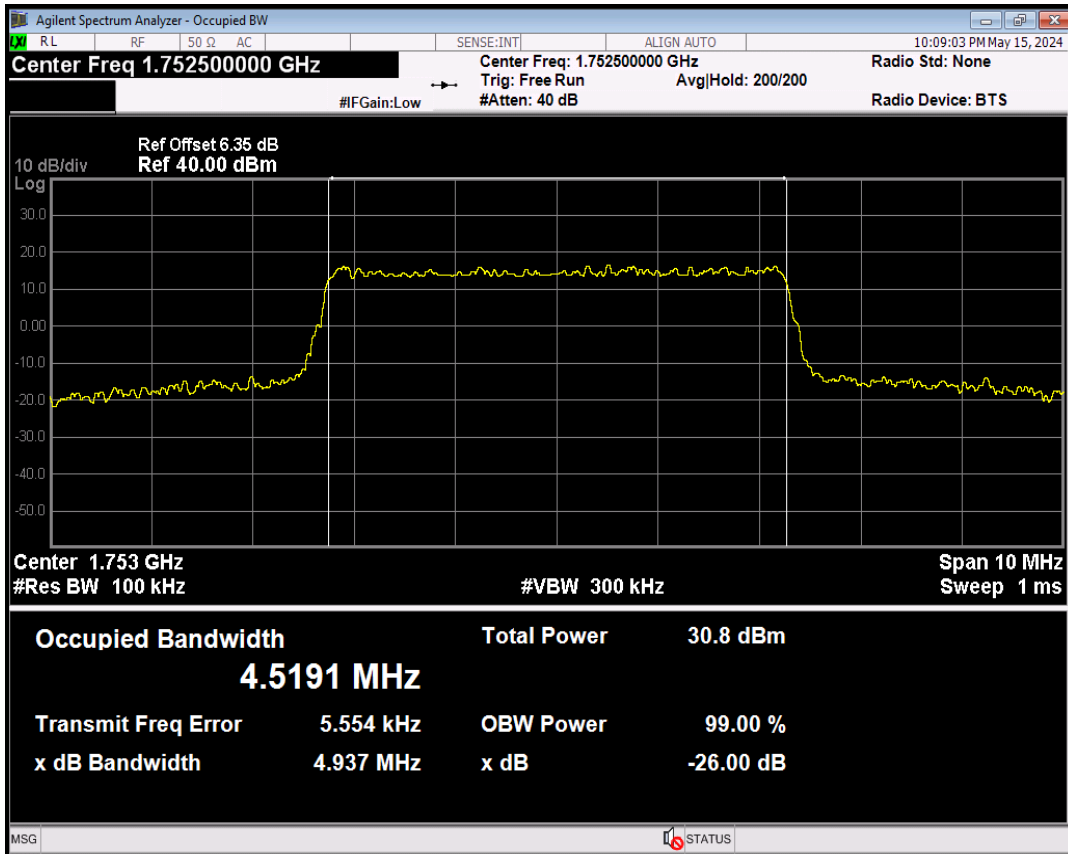
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



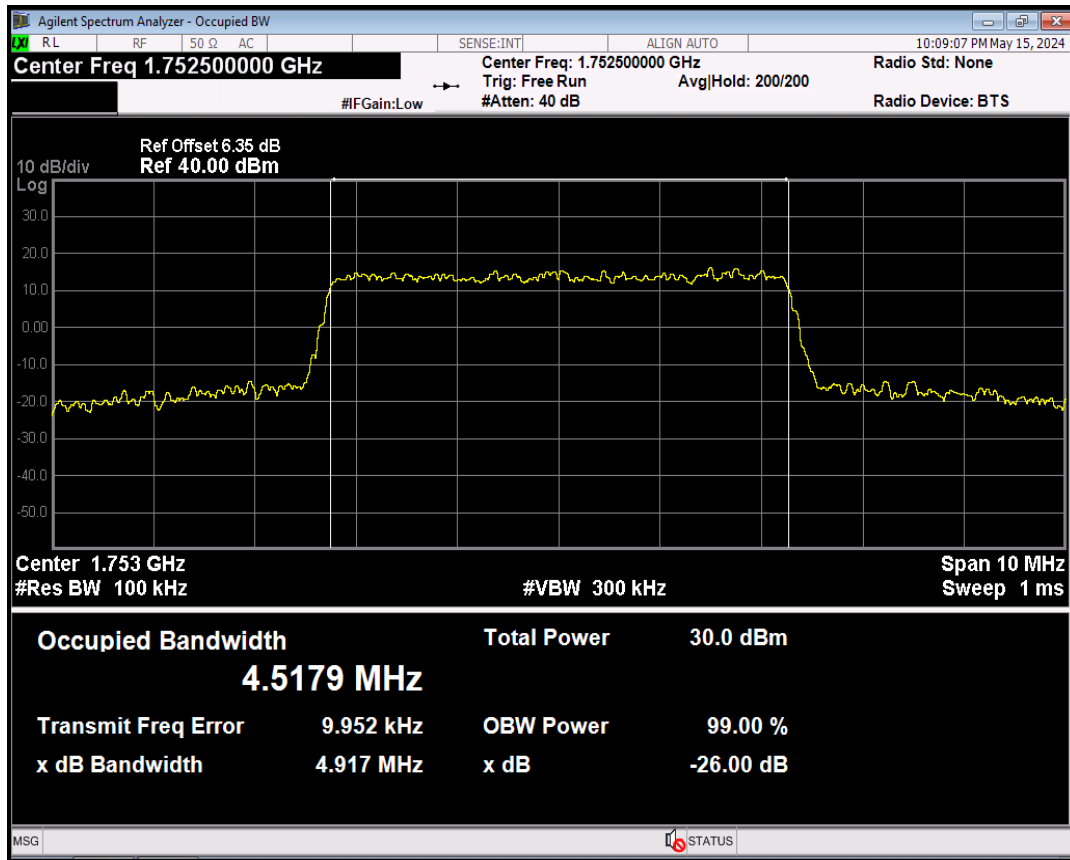
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



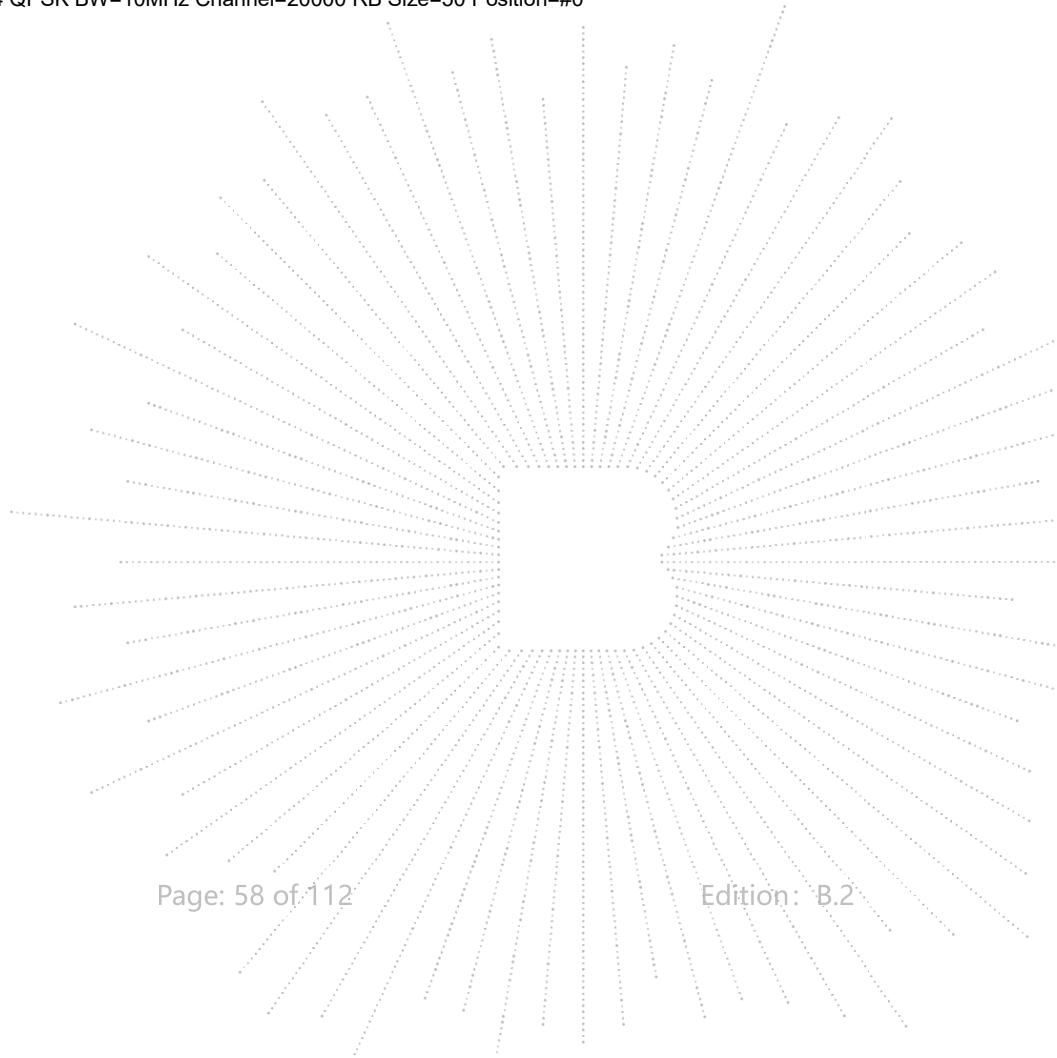
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

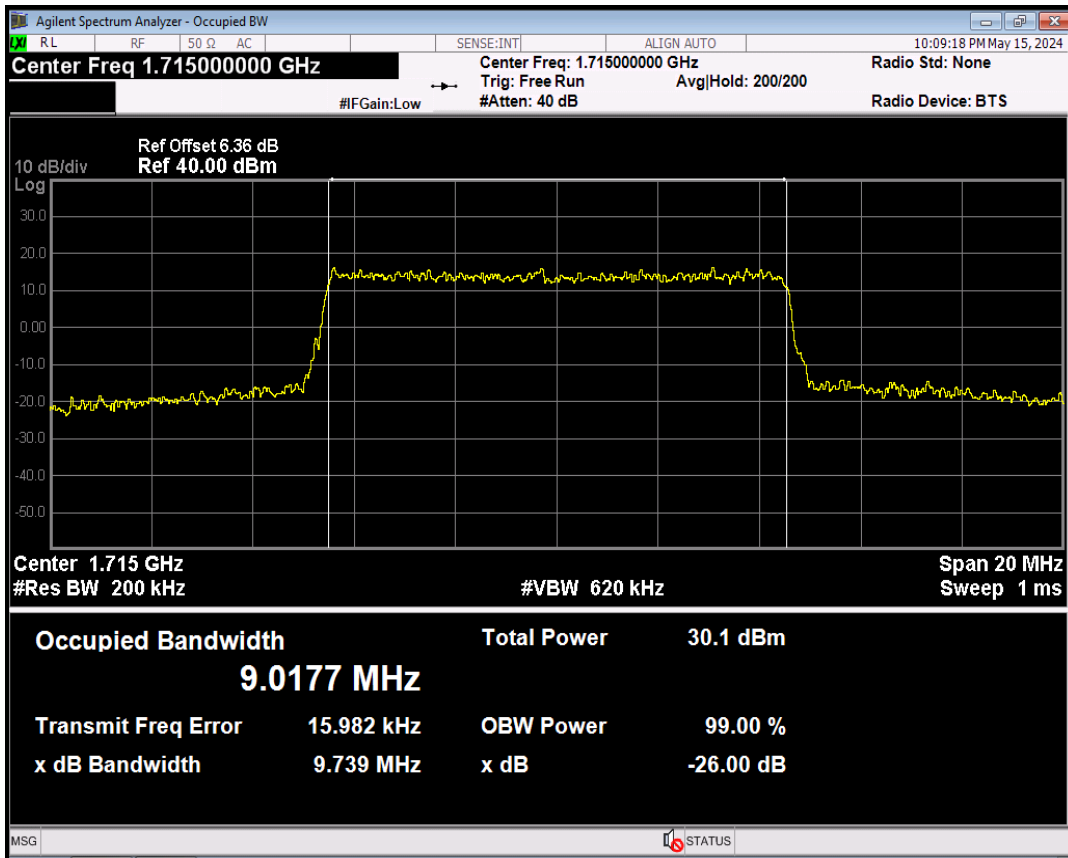


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

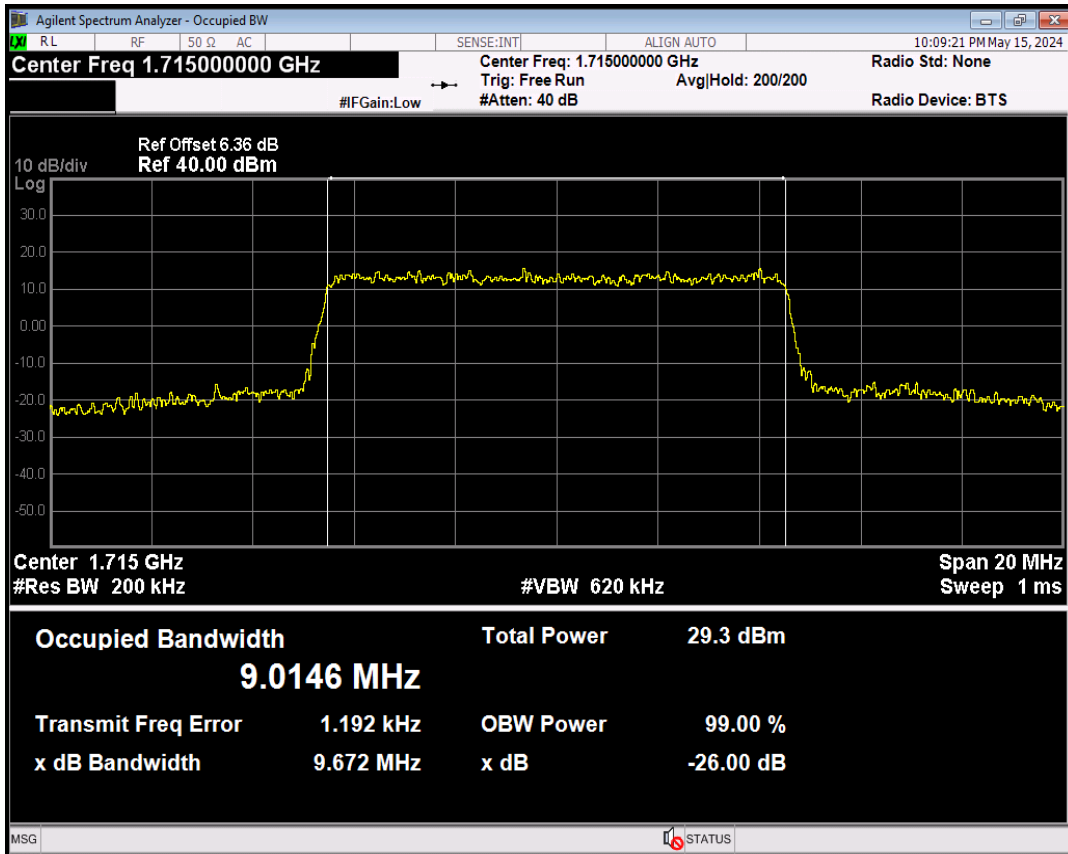


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

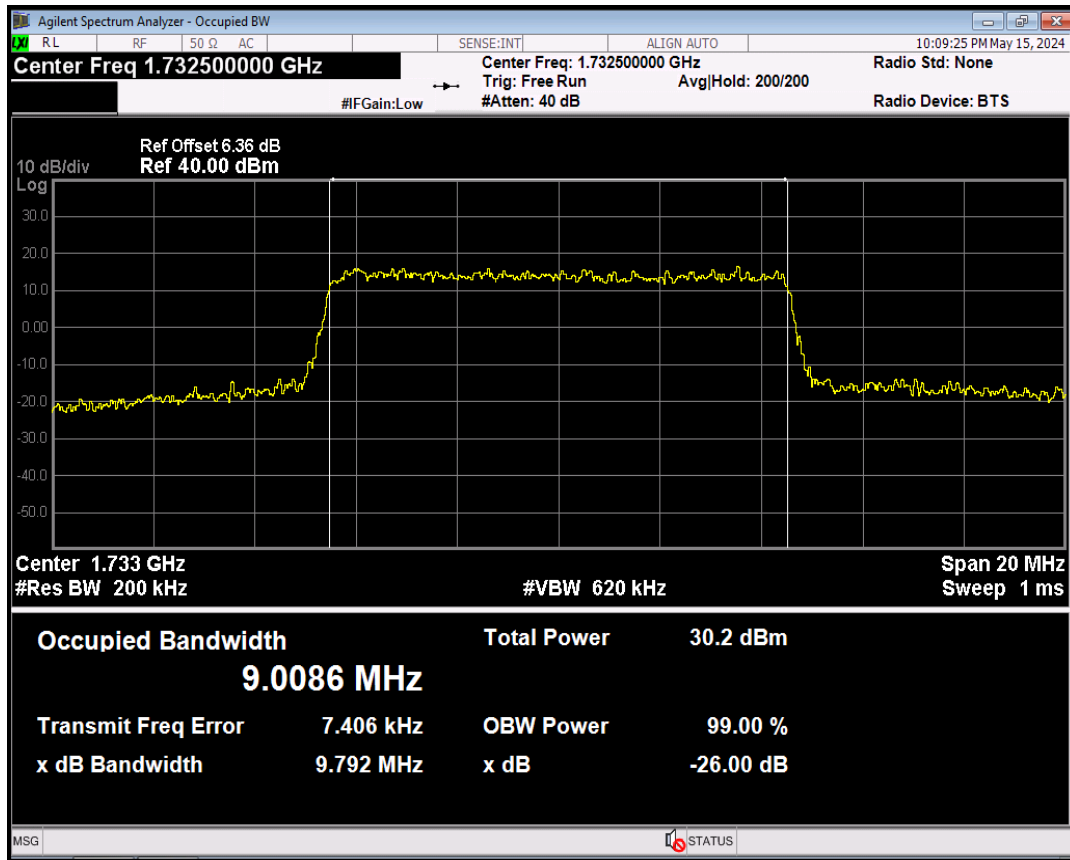




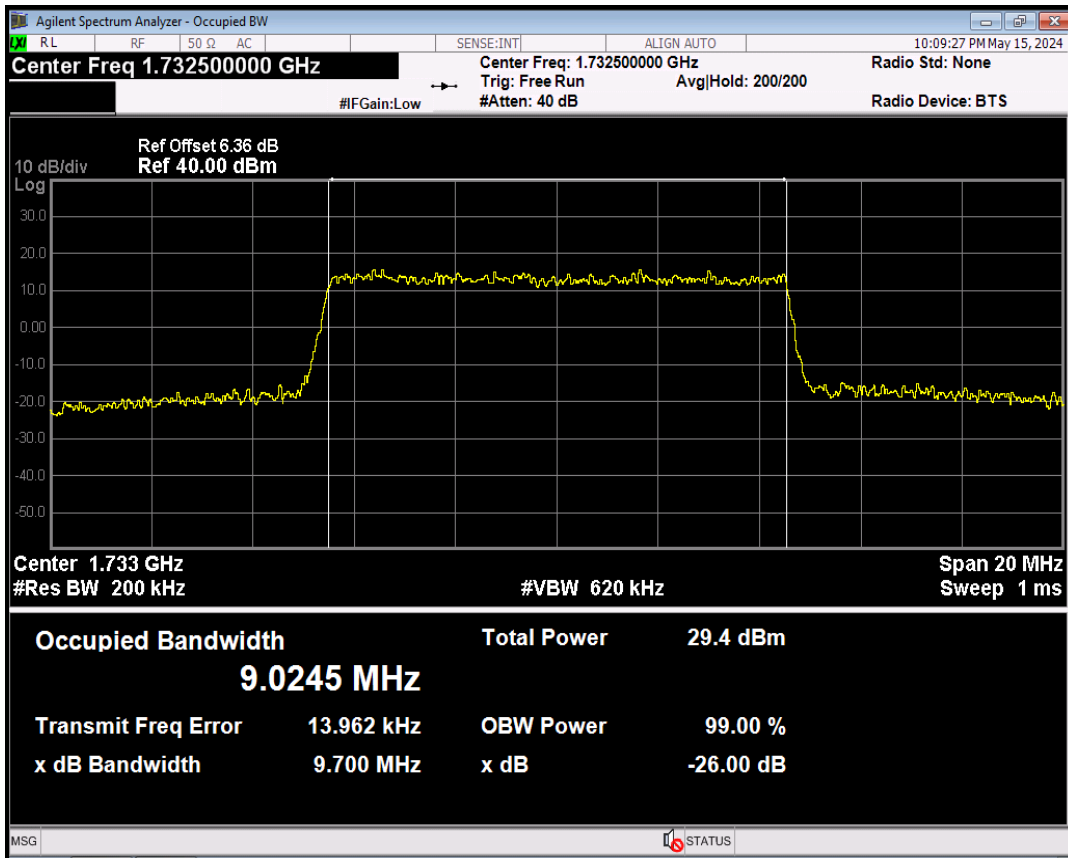
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



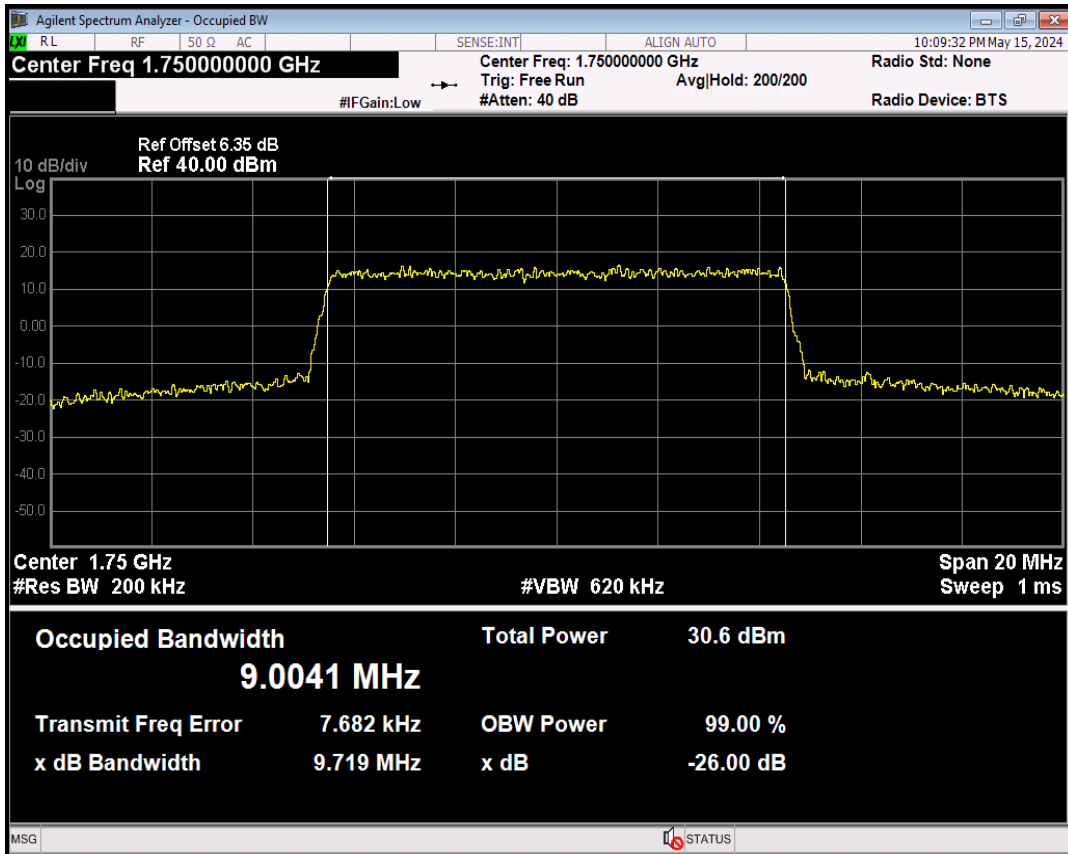
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

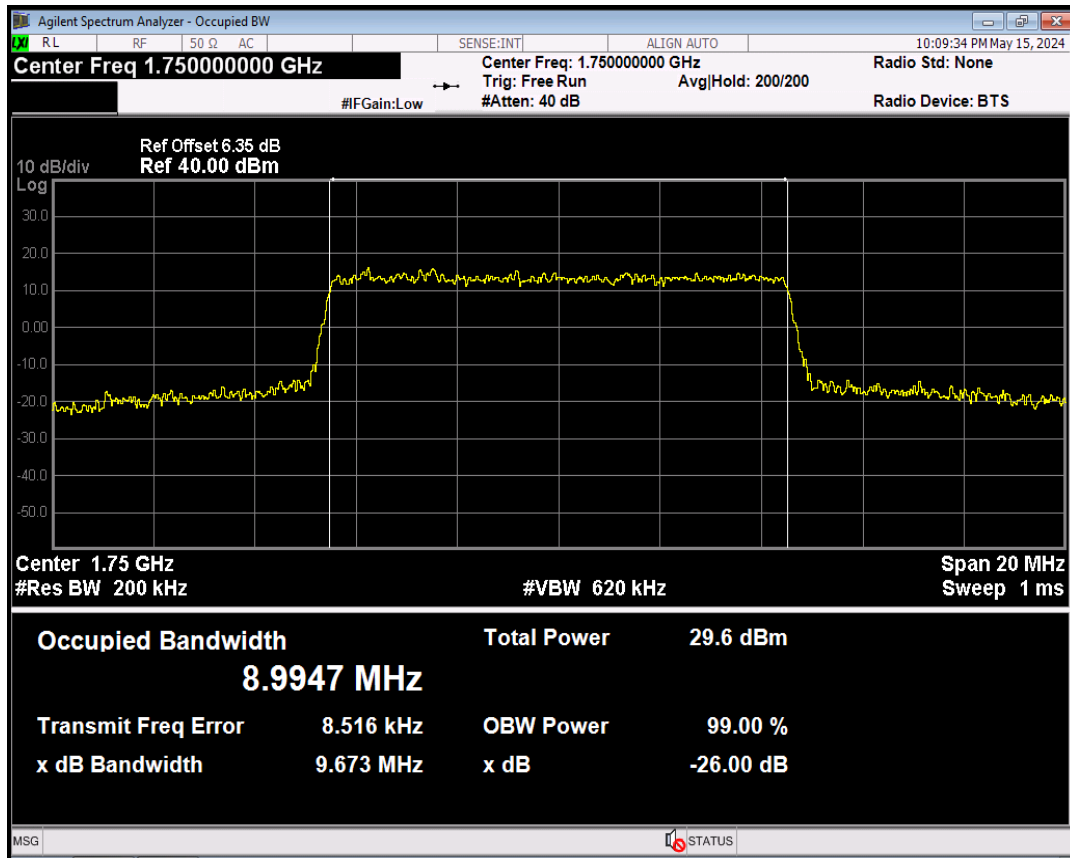


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

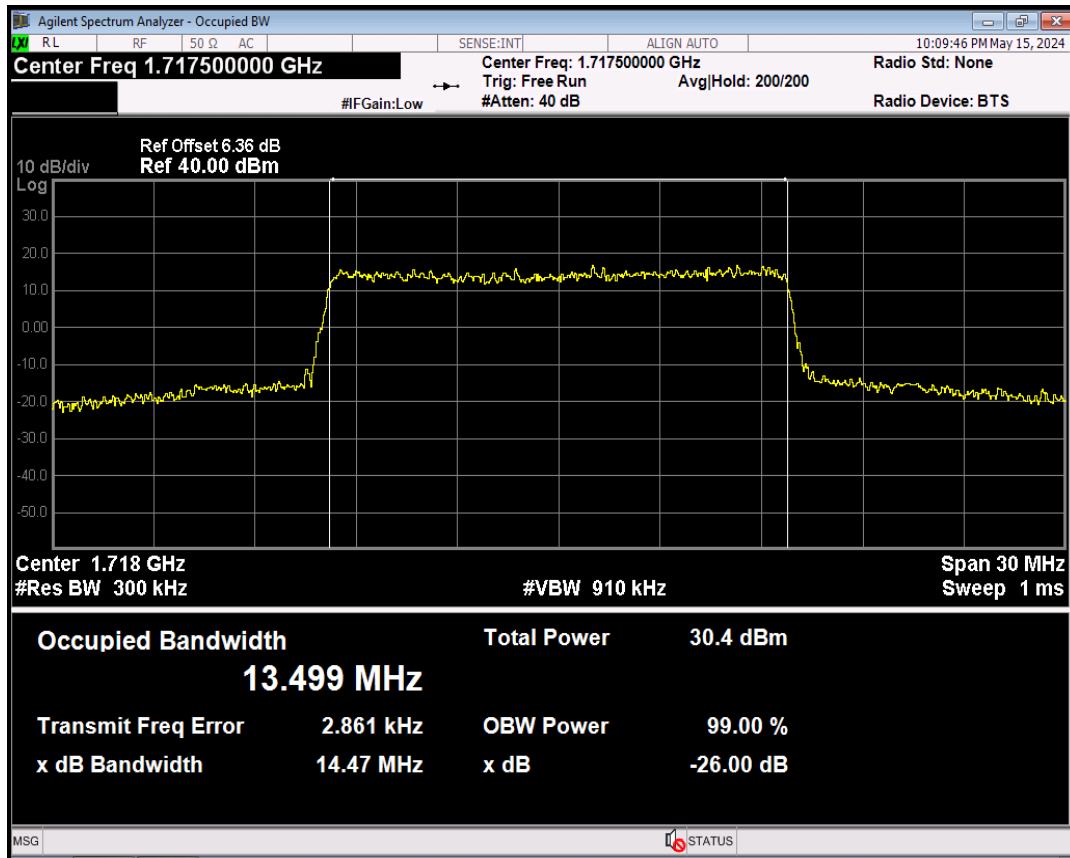




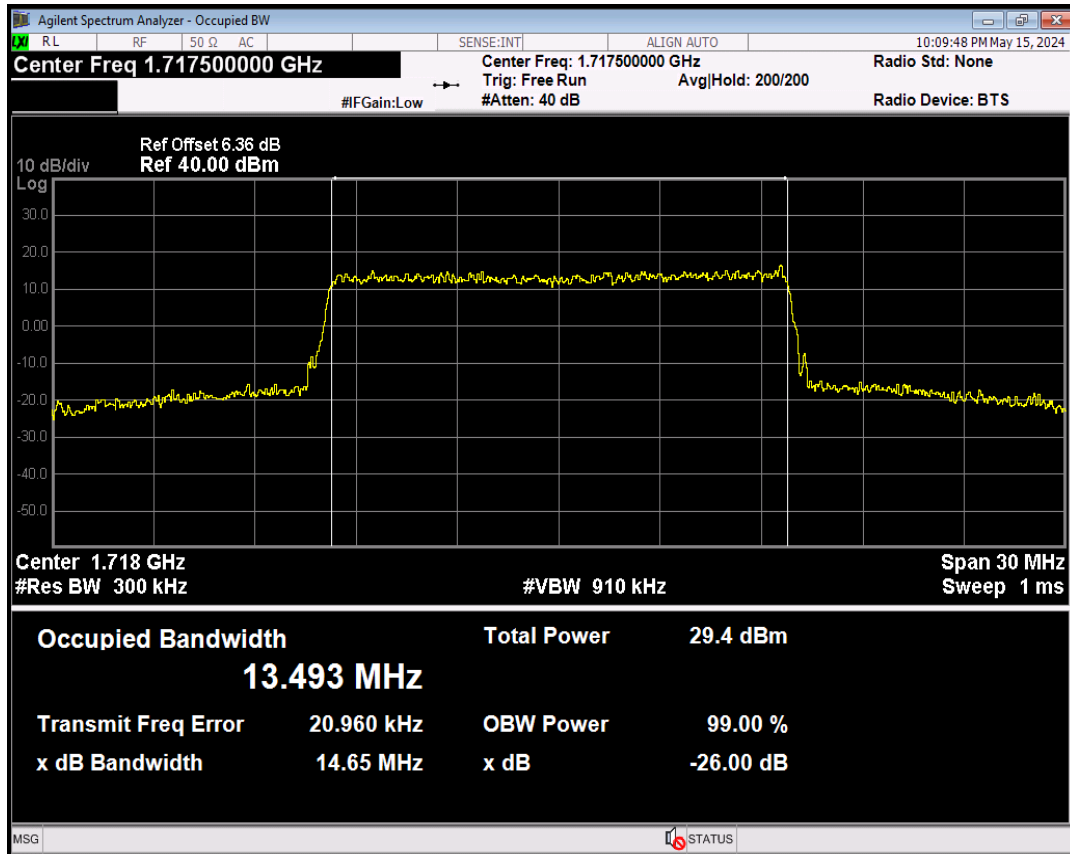
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



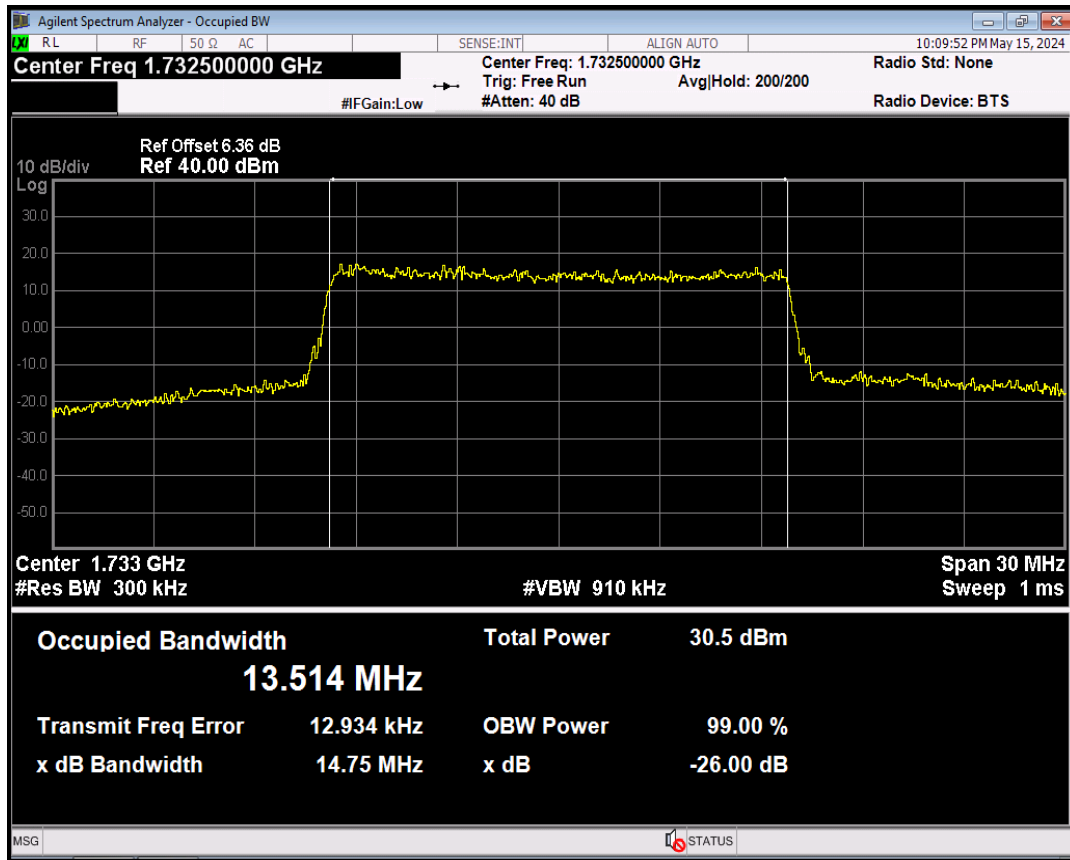
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



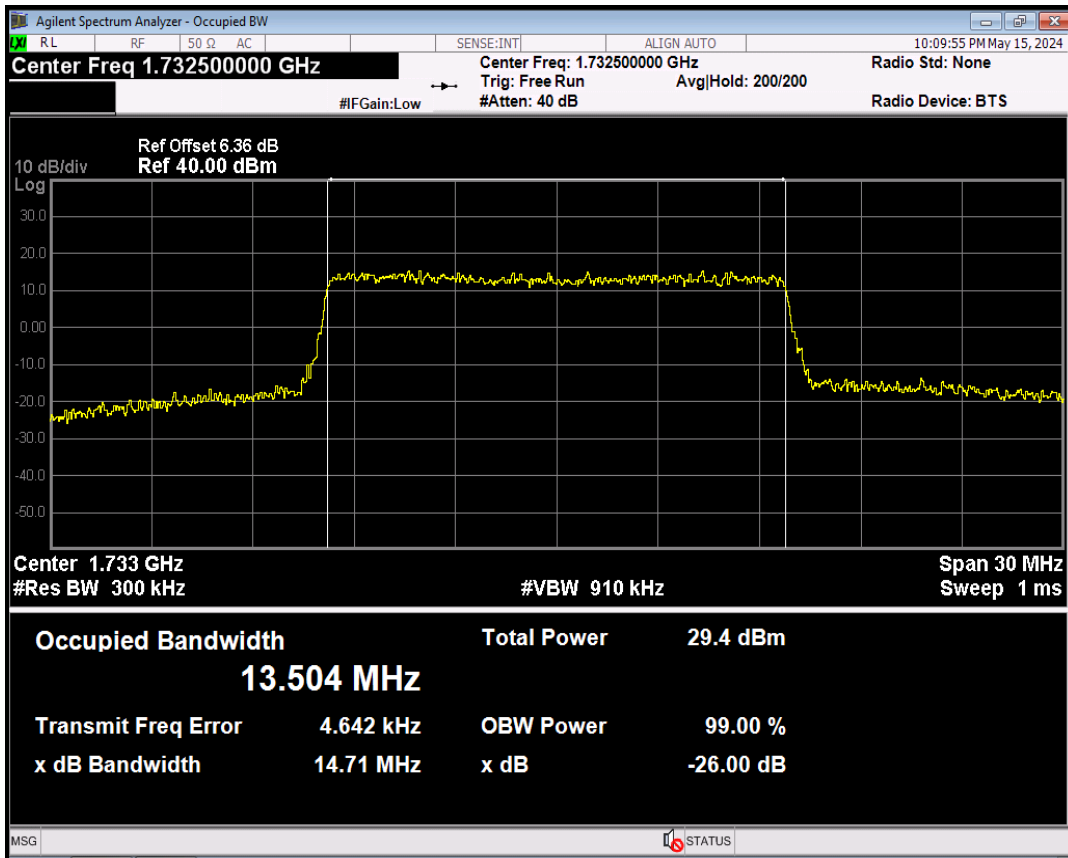
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



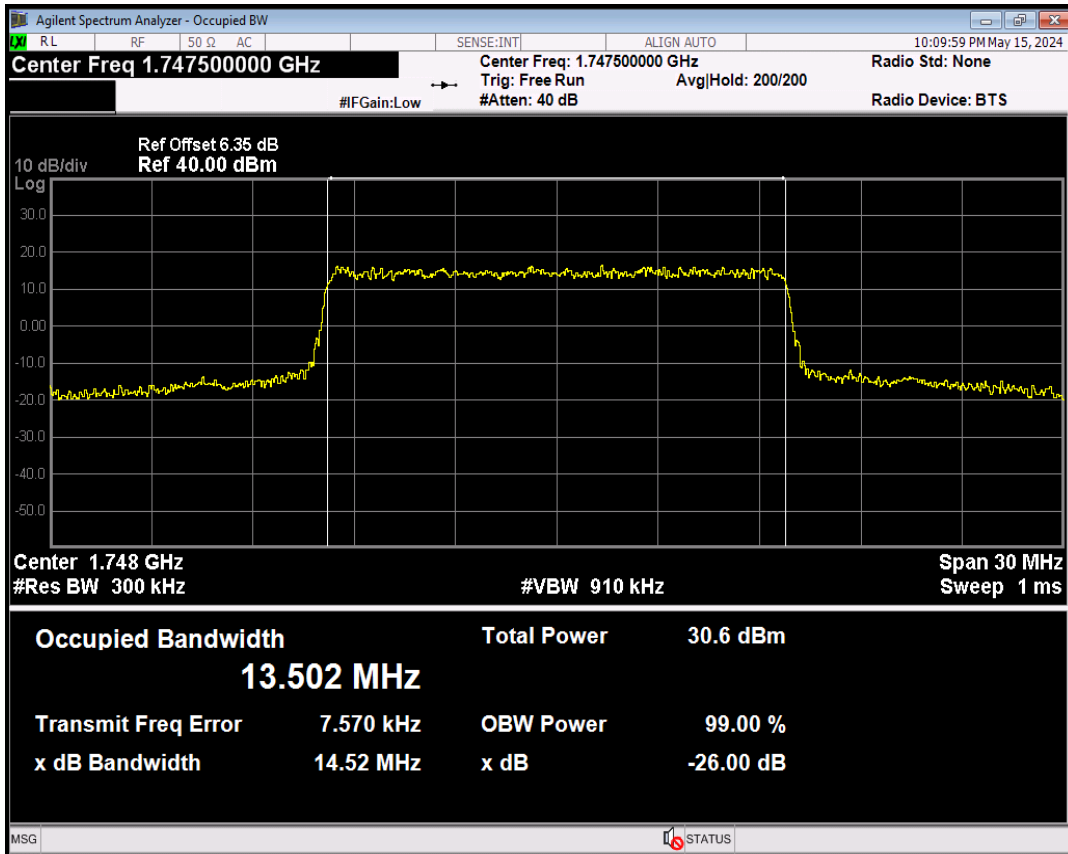
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

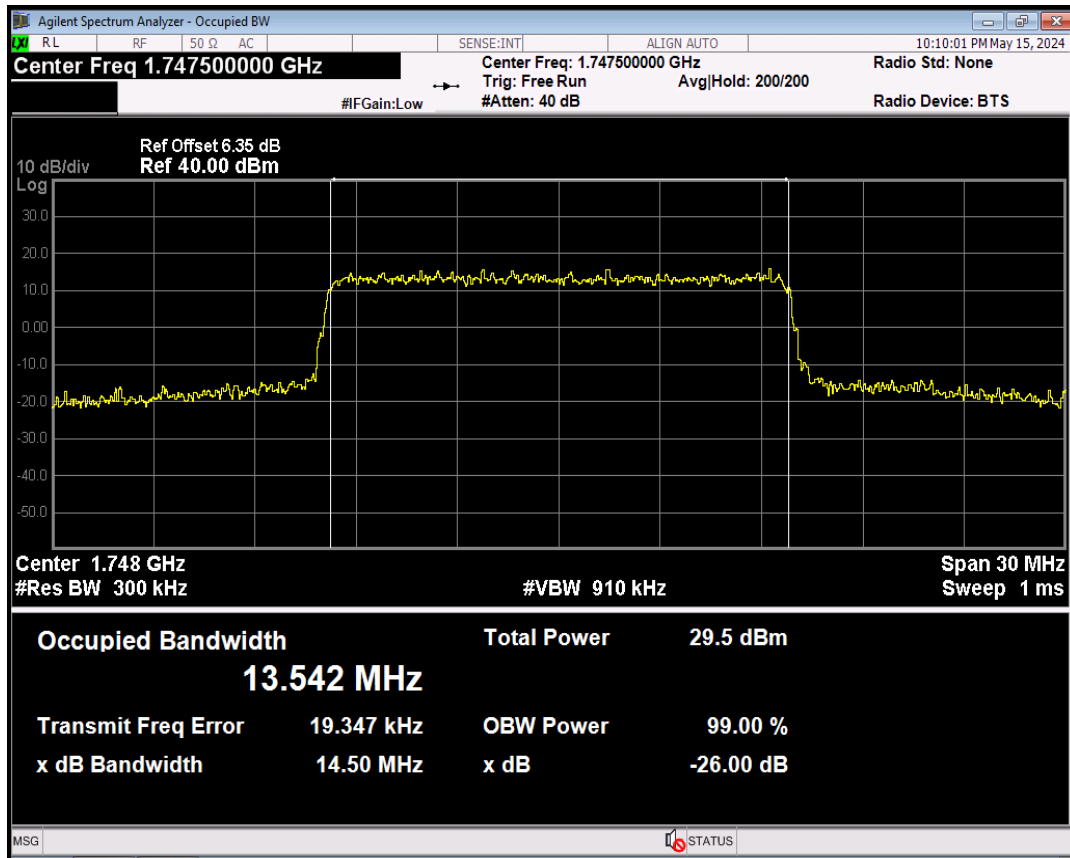


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

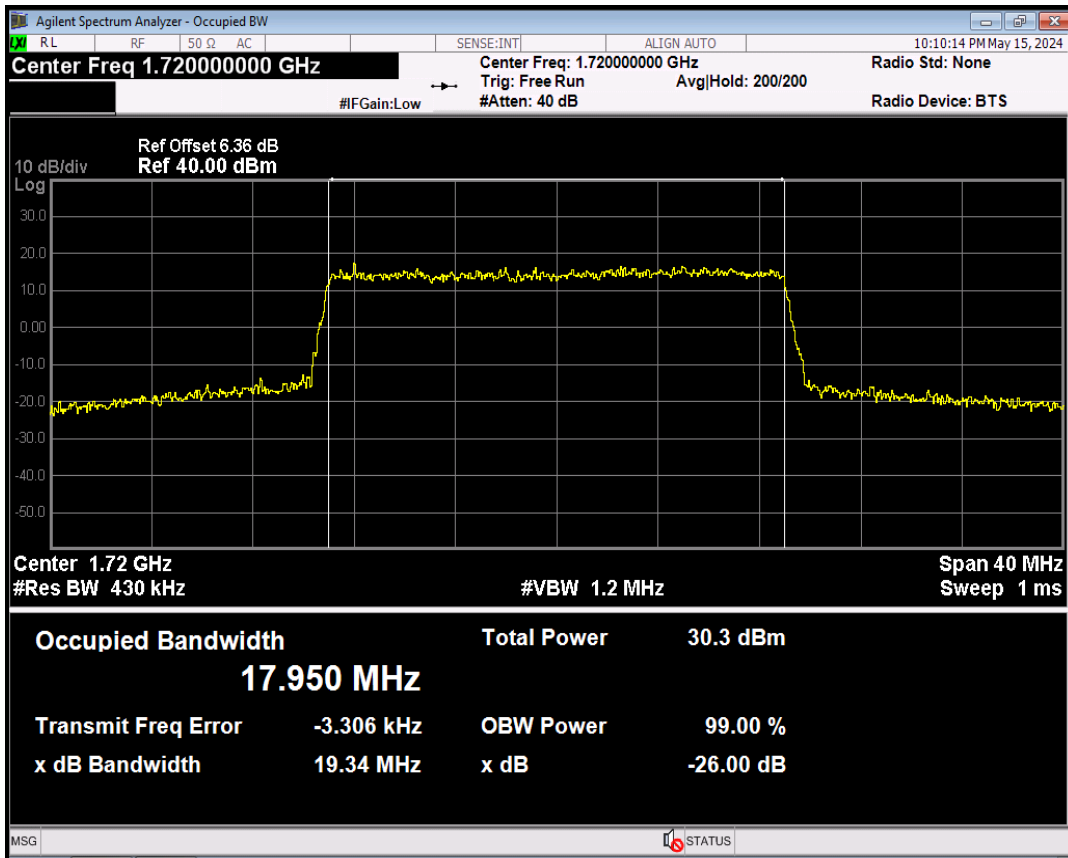




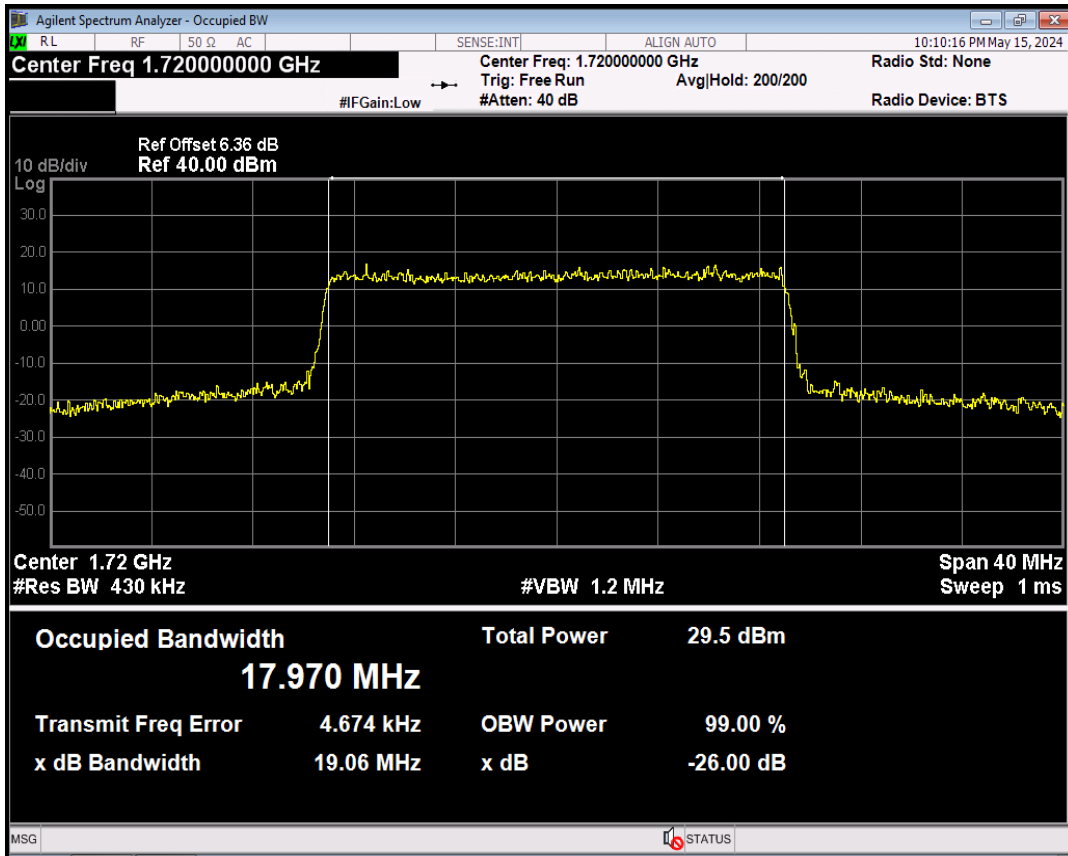
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



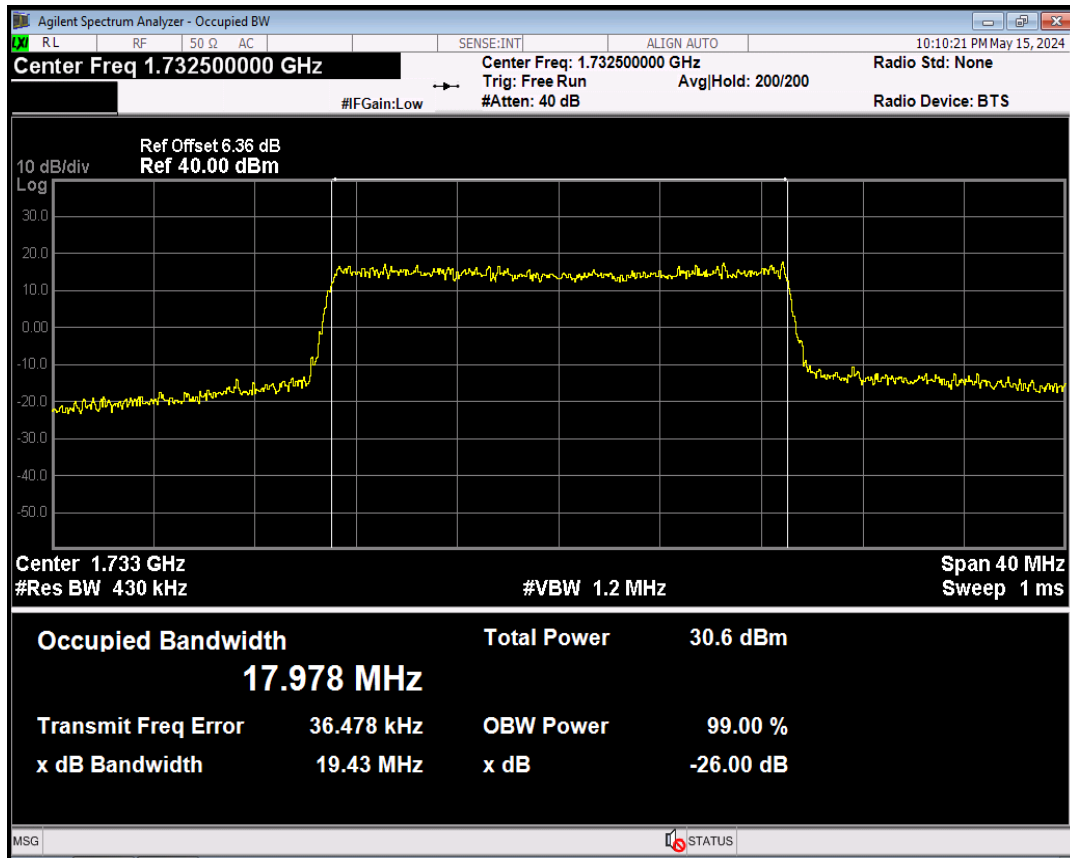
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



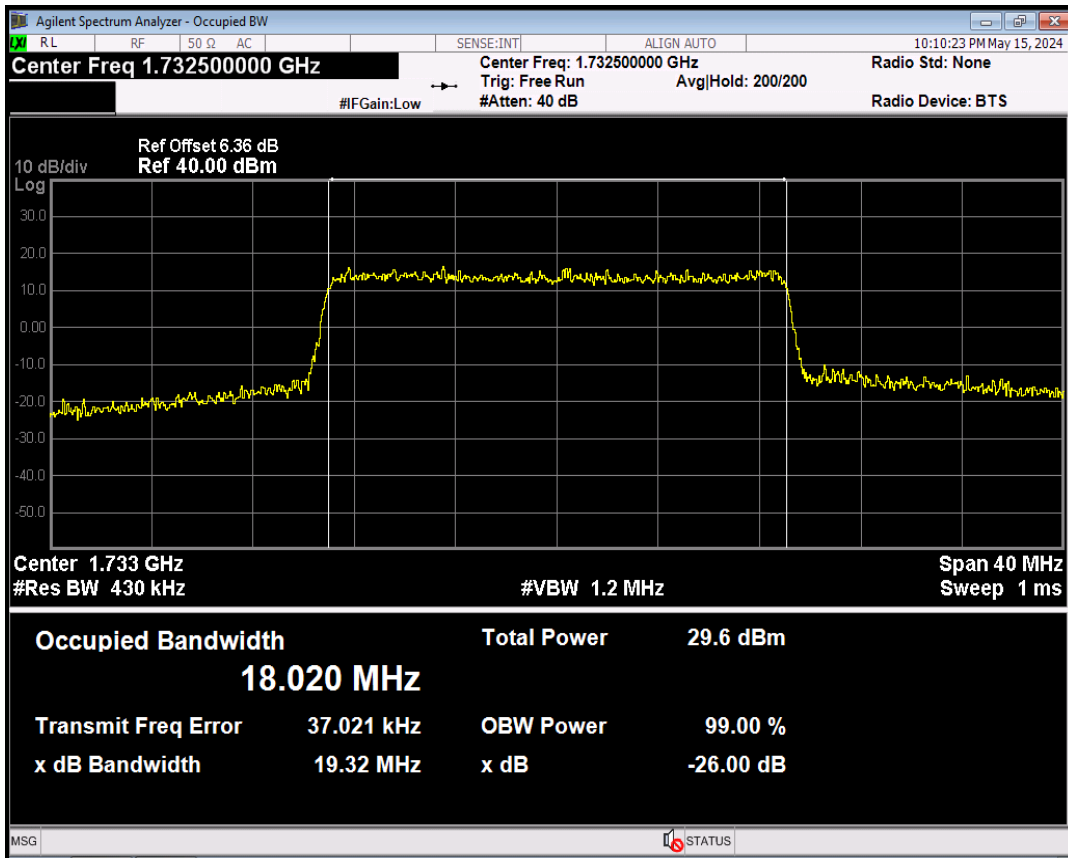
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



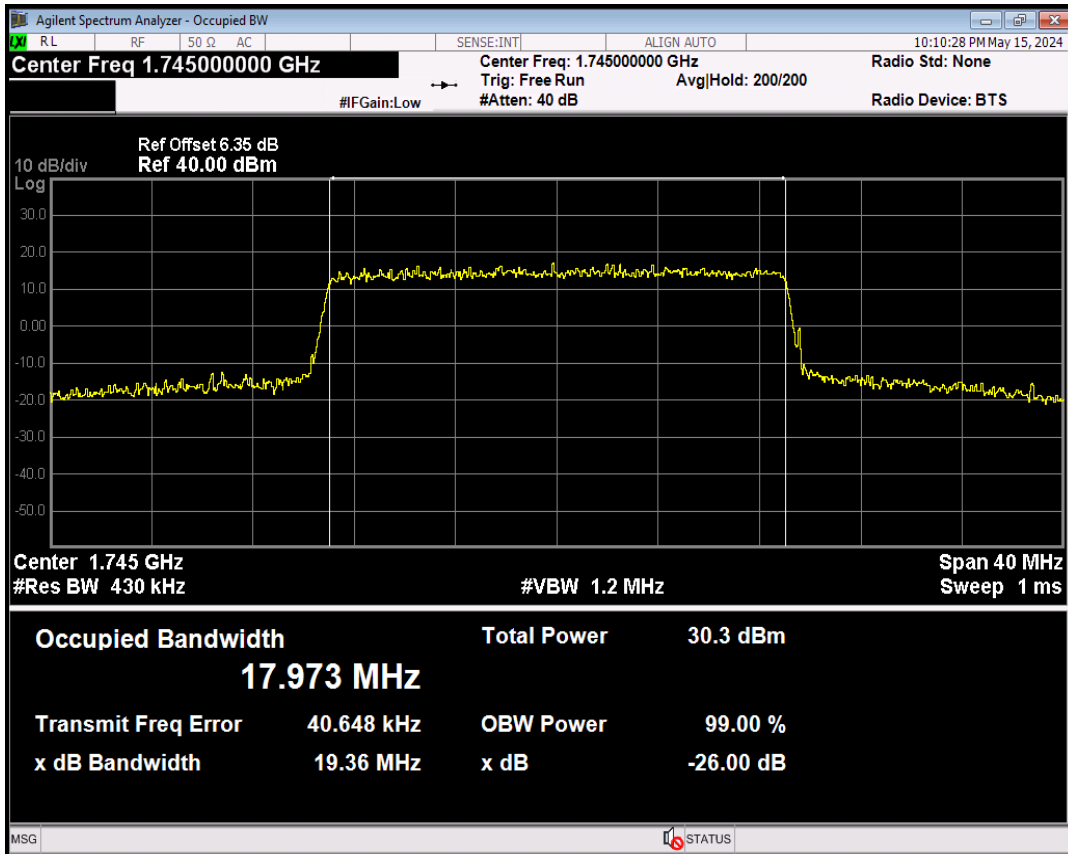
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



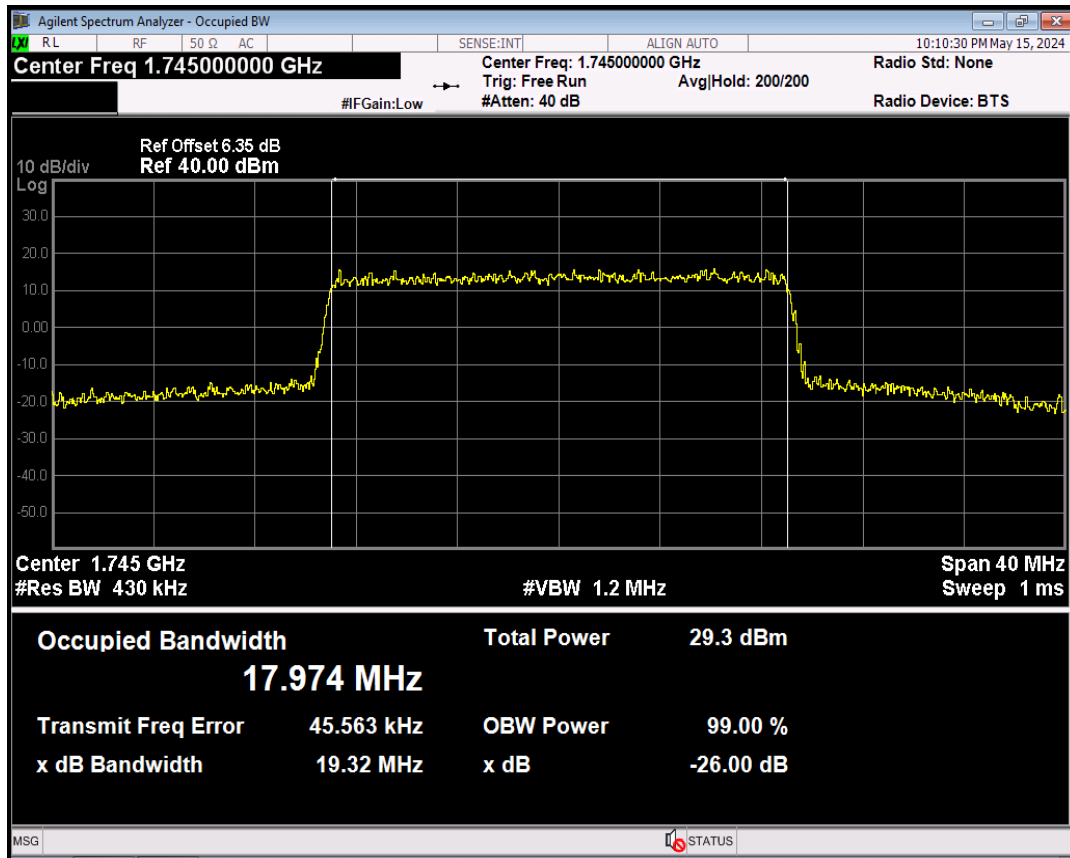
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



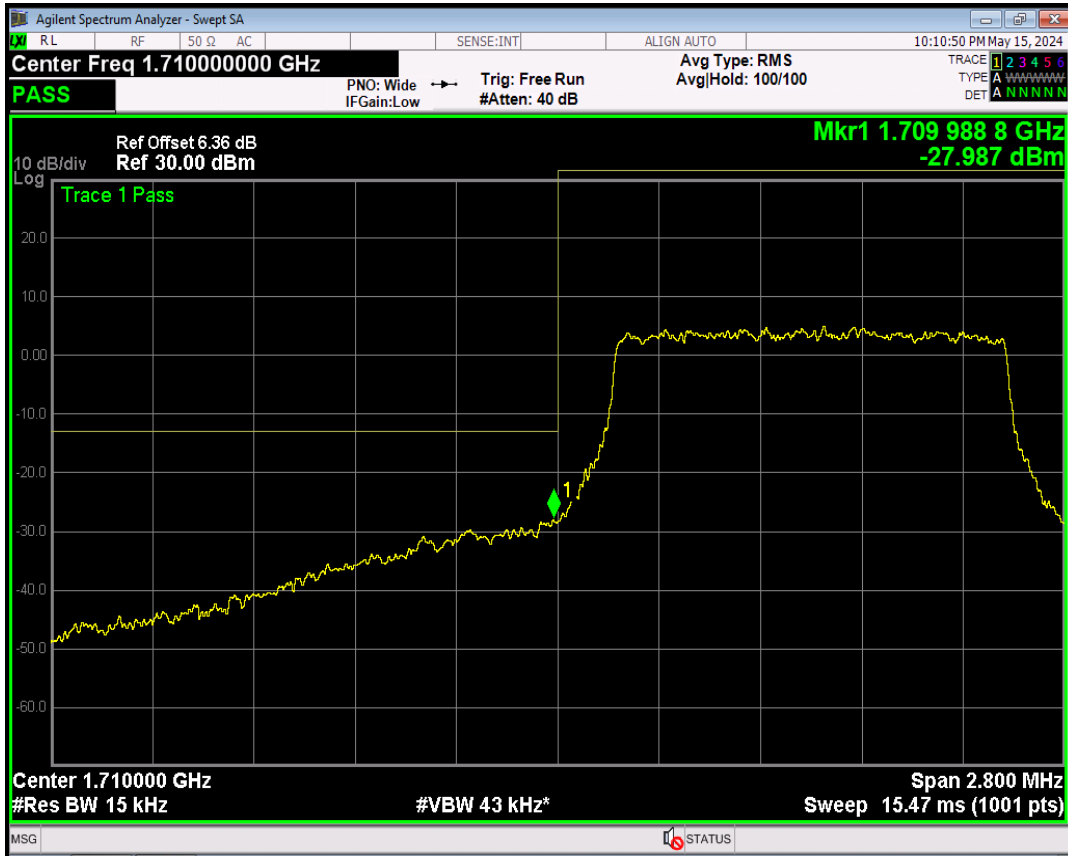
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



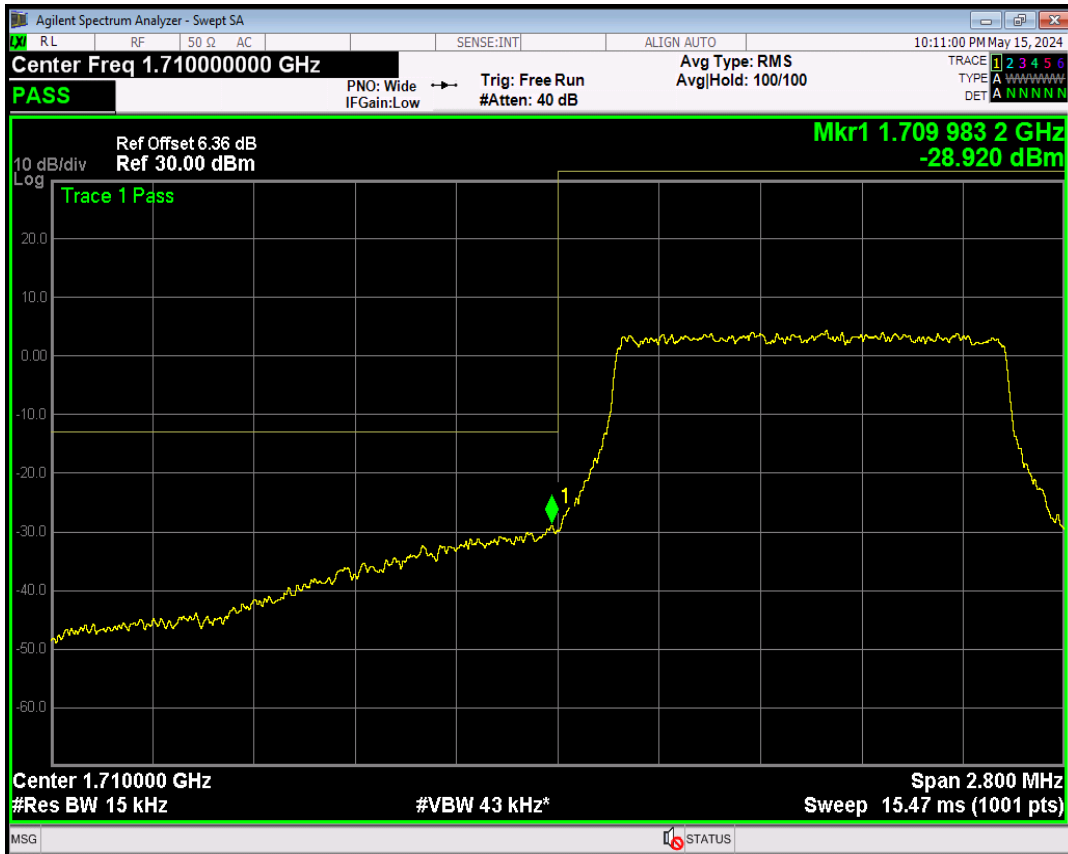
Appendix 5. Band edge

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	QPSK	1709.99	-27.98	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.98	-28.92	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.04	-22.92	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.03	-25.52	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.97	-28.47	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-29.69	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.06	-24.08	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.18	-26.27	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-27.62	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-29.83	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-24.77	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.03	-25.77	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.84	-27.86	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.64	-29.24	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-25.03	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-27.37	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-25.47	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.43	-27.13	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-23.12	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.21	-26.23	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-27.51	-13	PASS
Band4	20	20050	100	#0	16QAM	1708.92	-28.79	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.12	-24.79	-13	PASS
Band4	20	20300	100	#0	16QAM	1756.20	-27.55	-13	PASS

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



Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

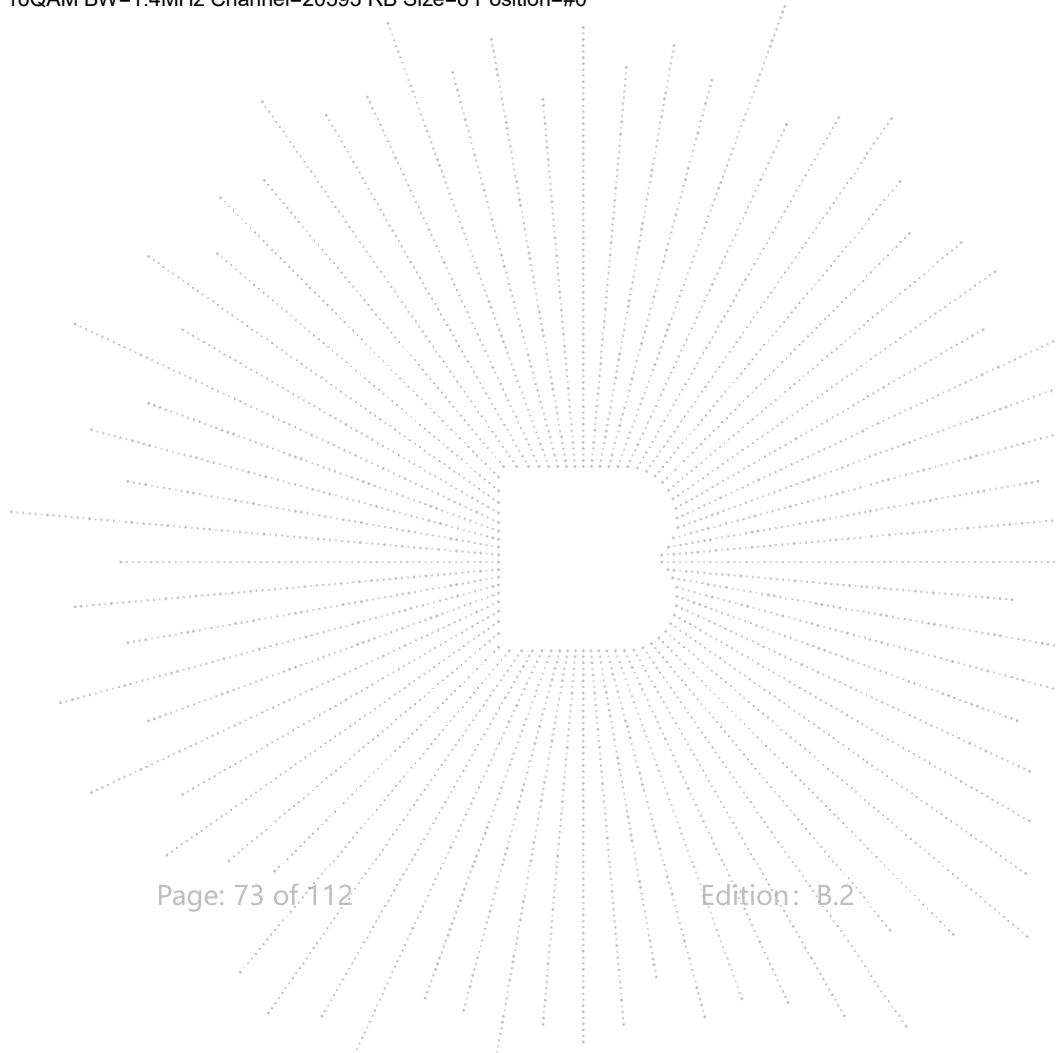




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

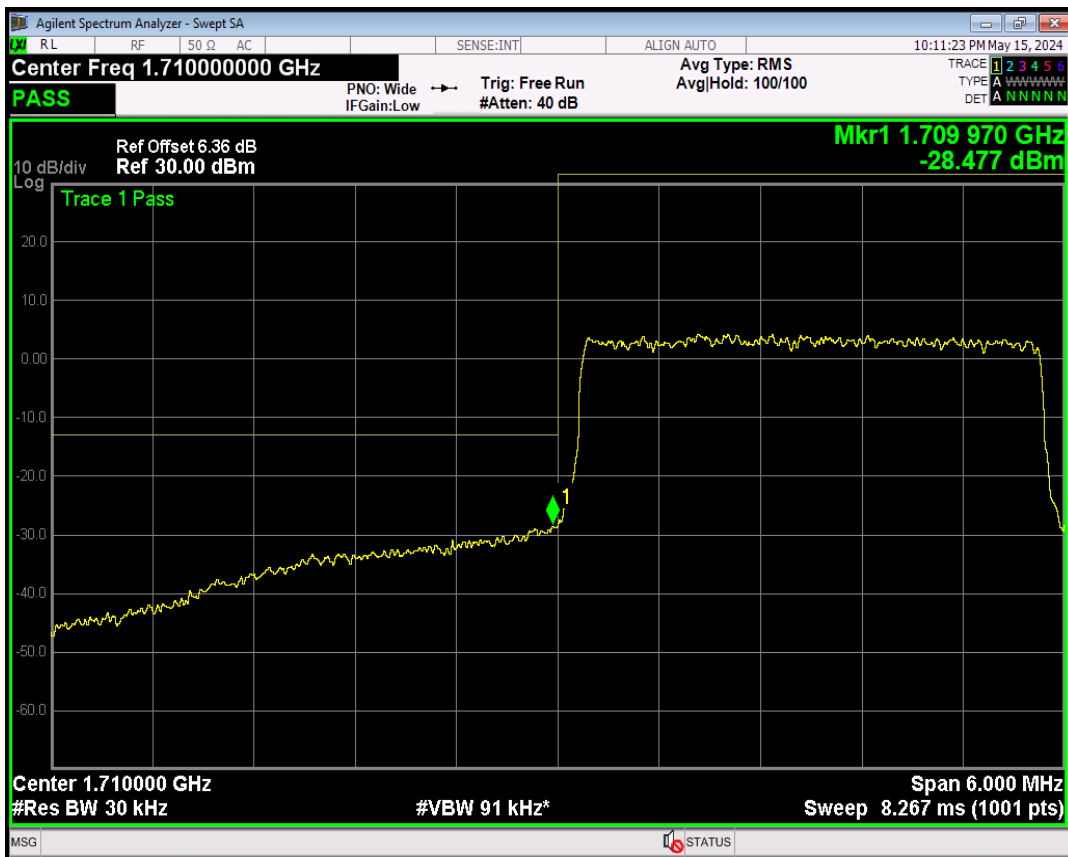


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

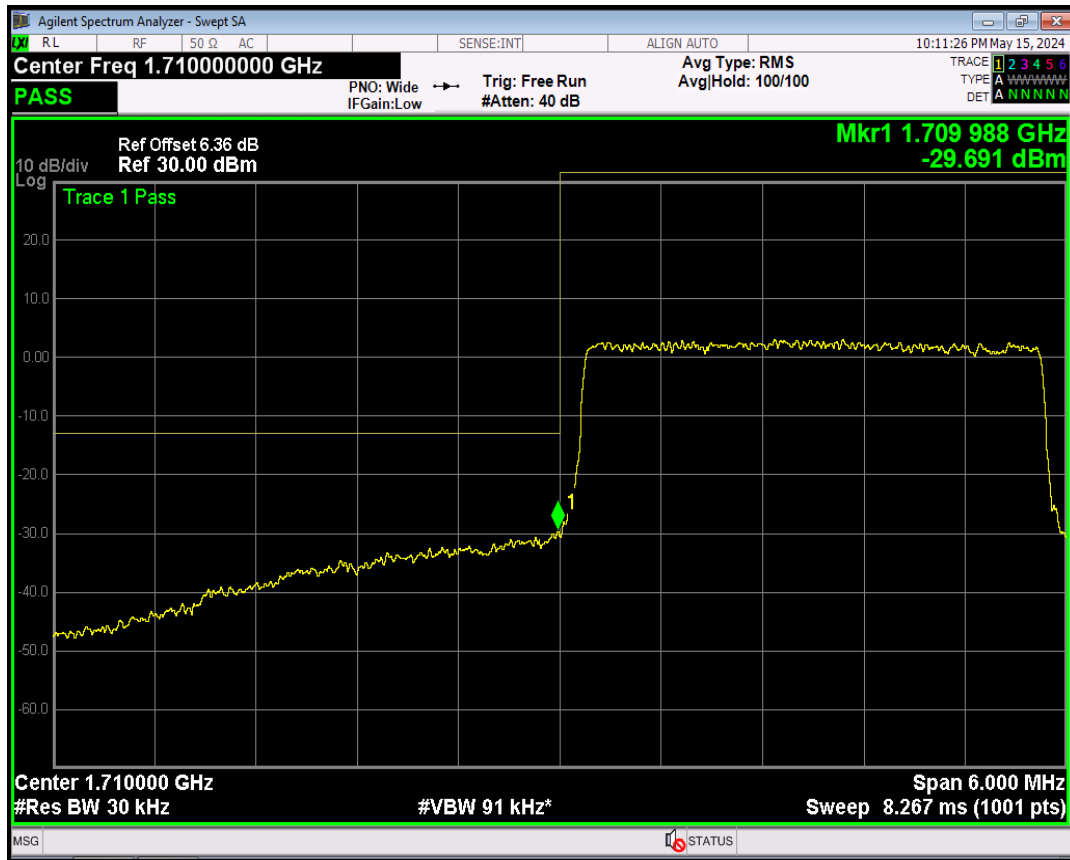




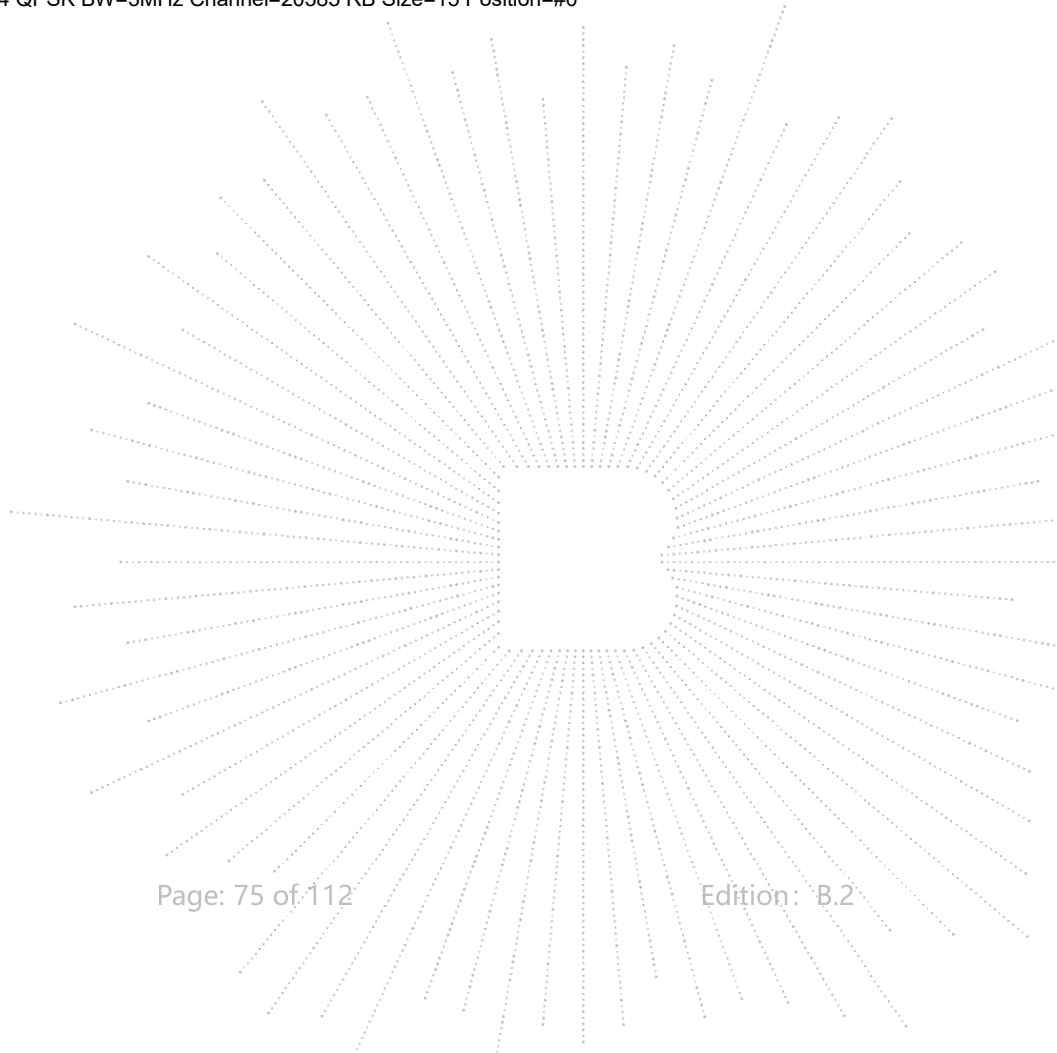
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



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



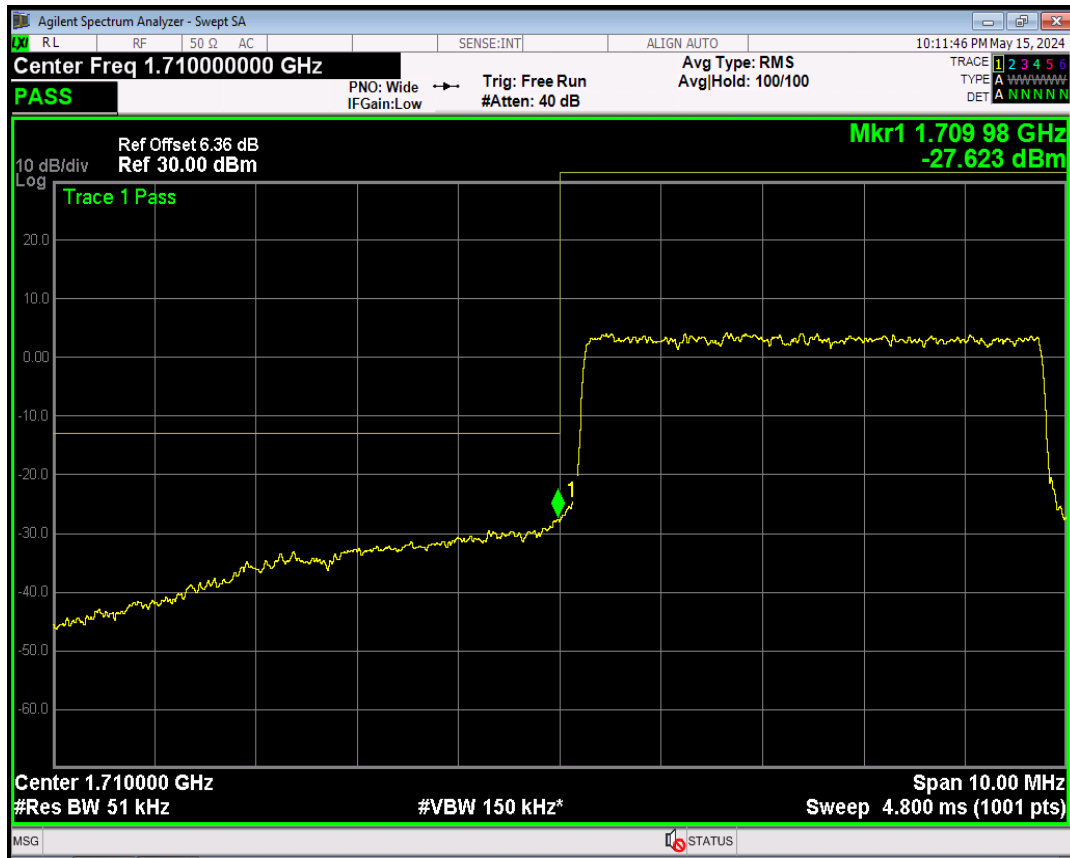


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

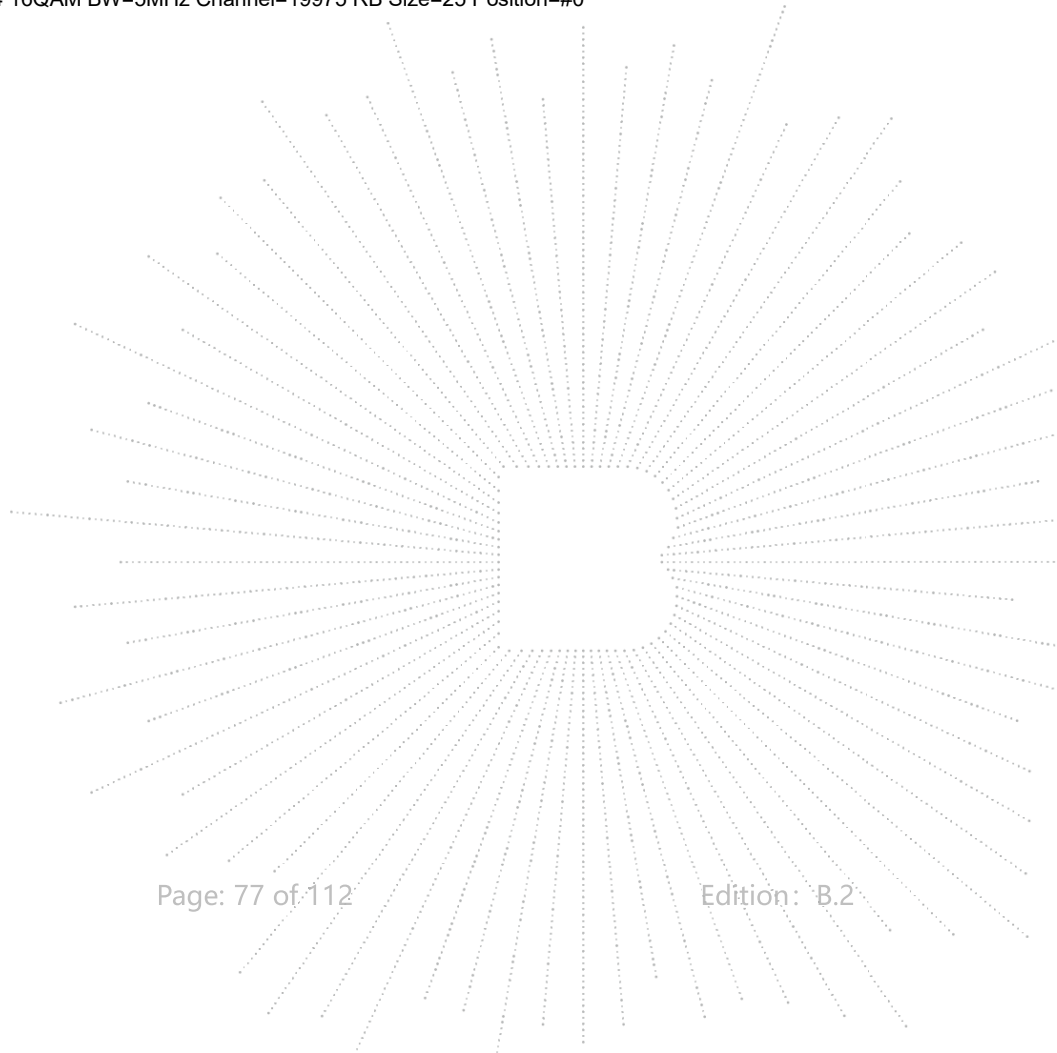


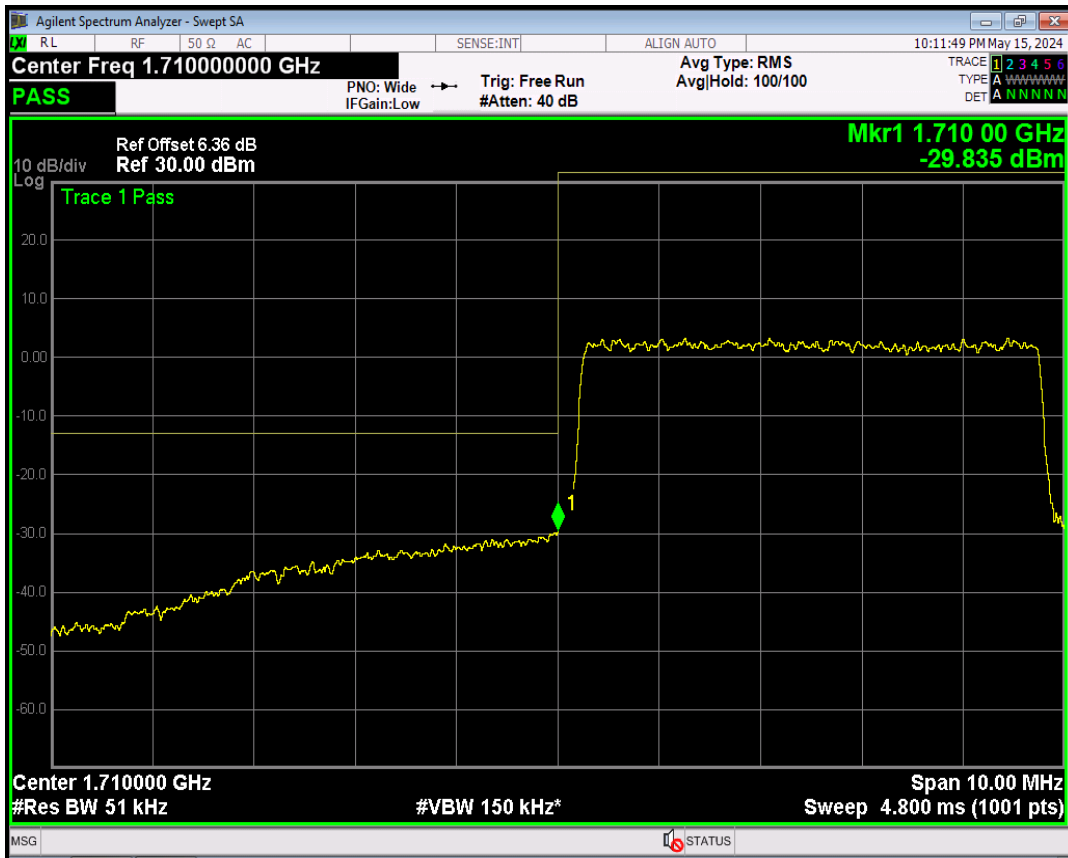


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

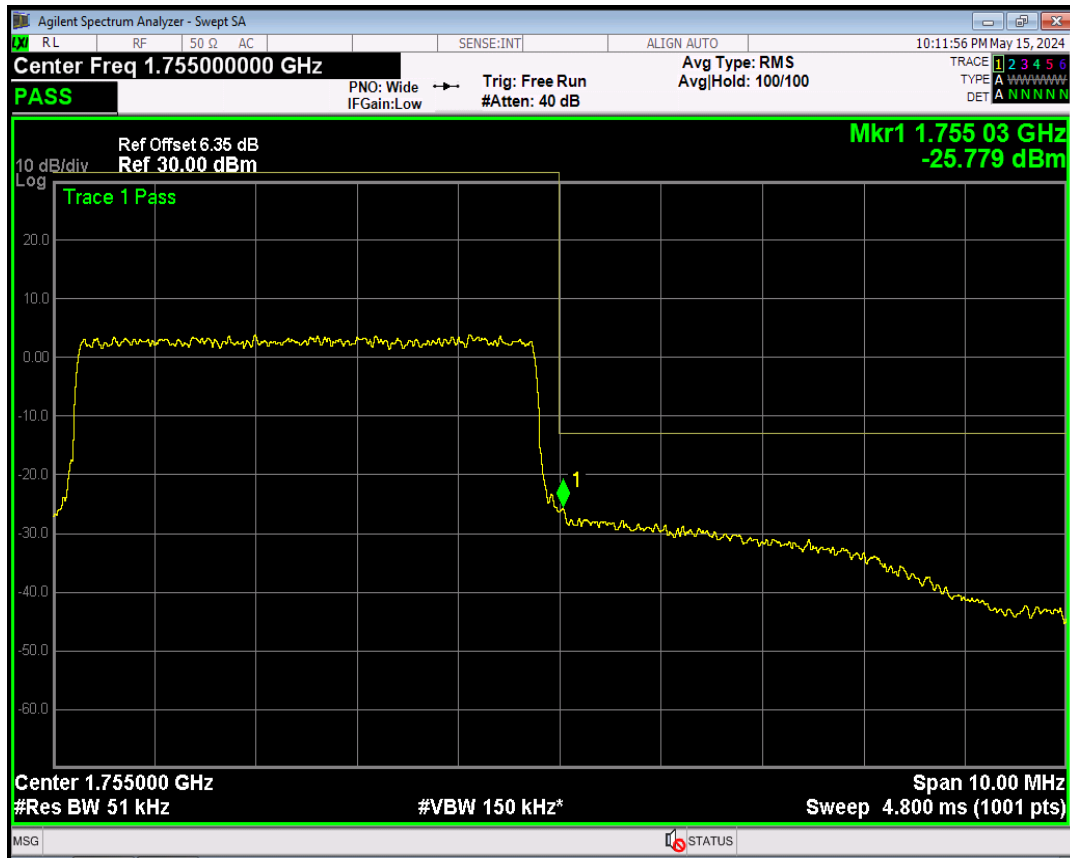




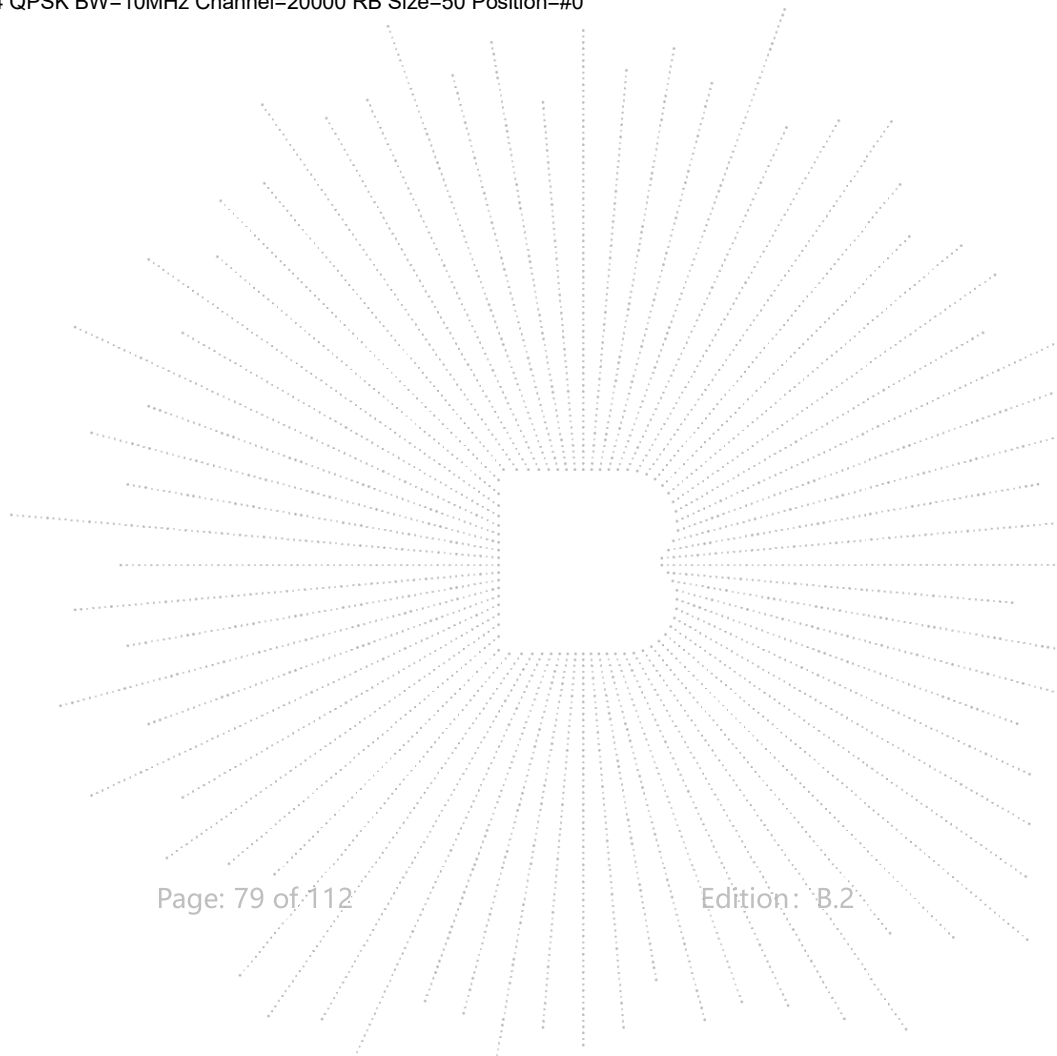
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

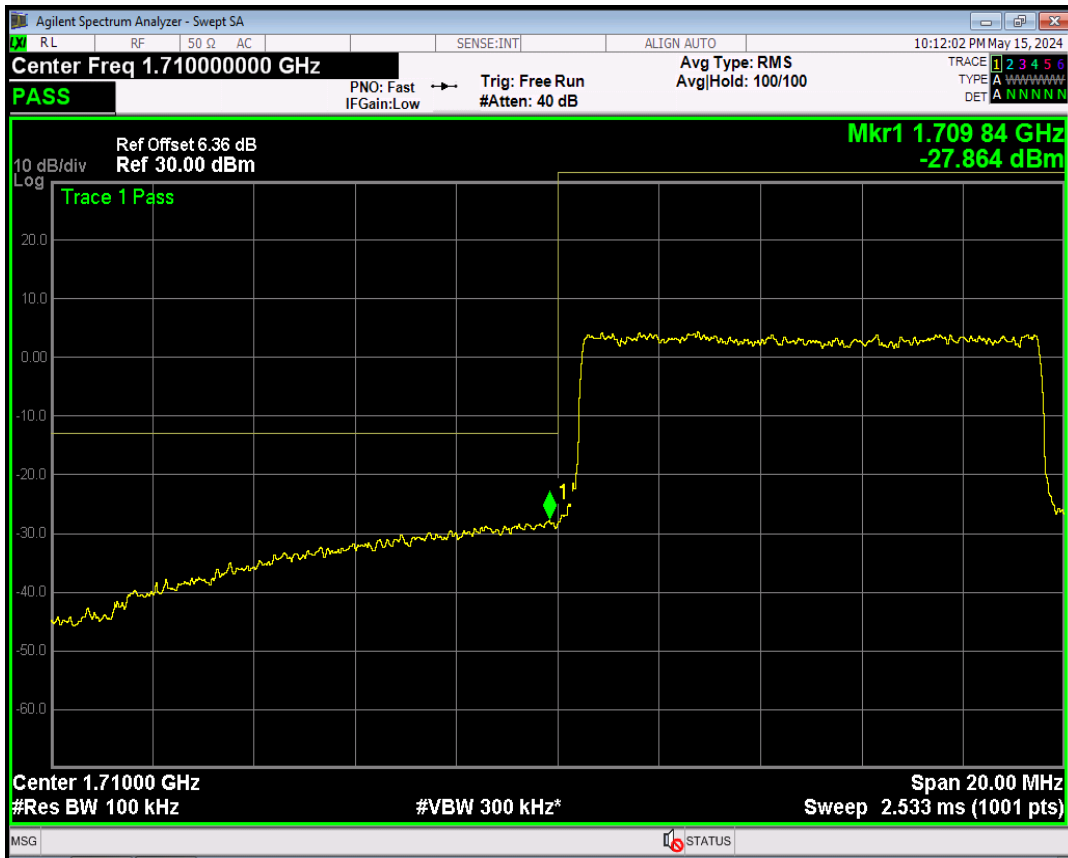


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

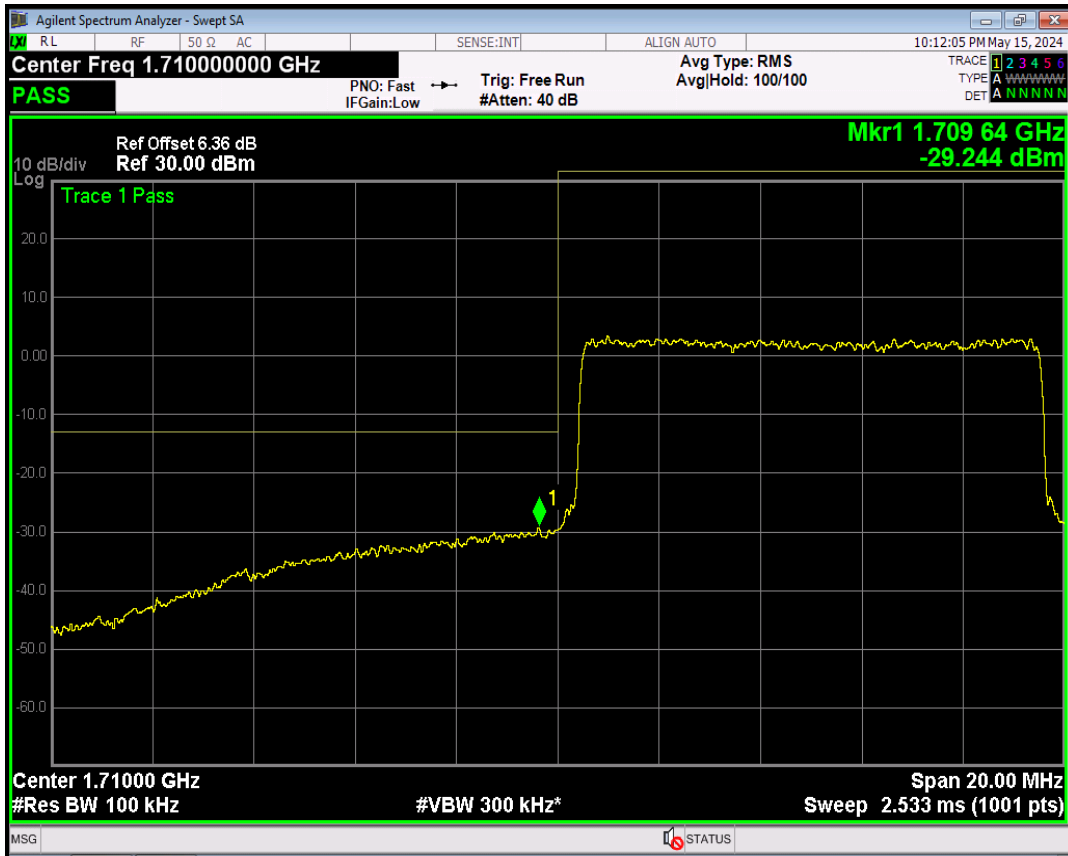


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

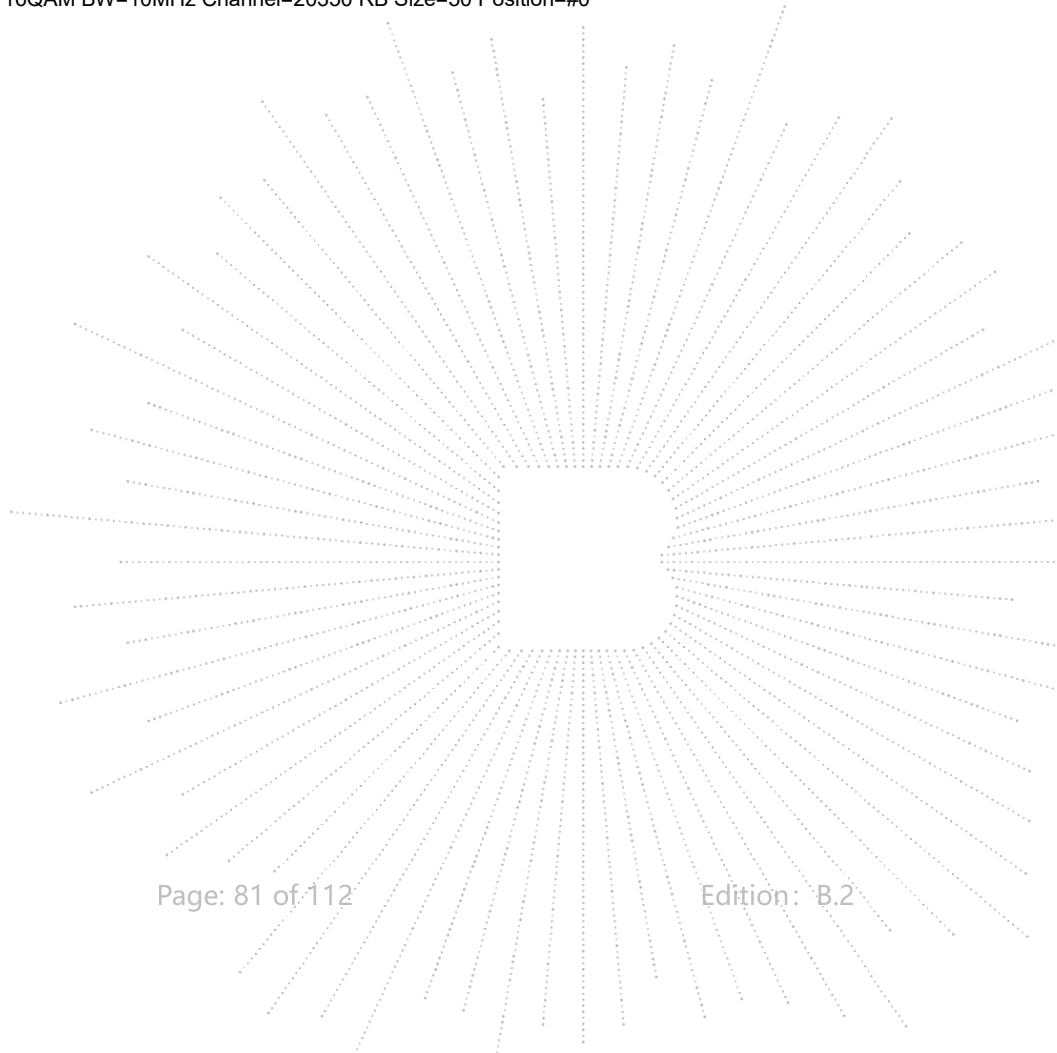




Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

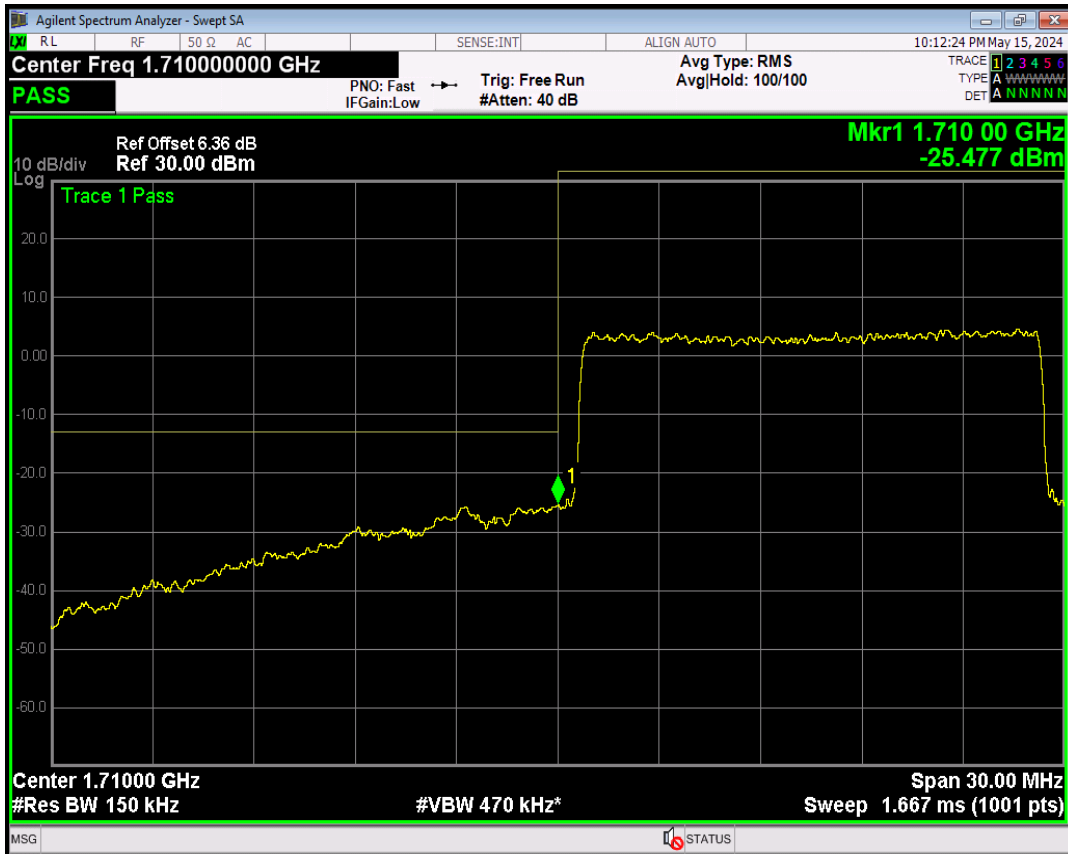


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

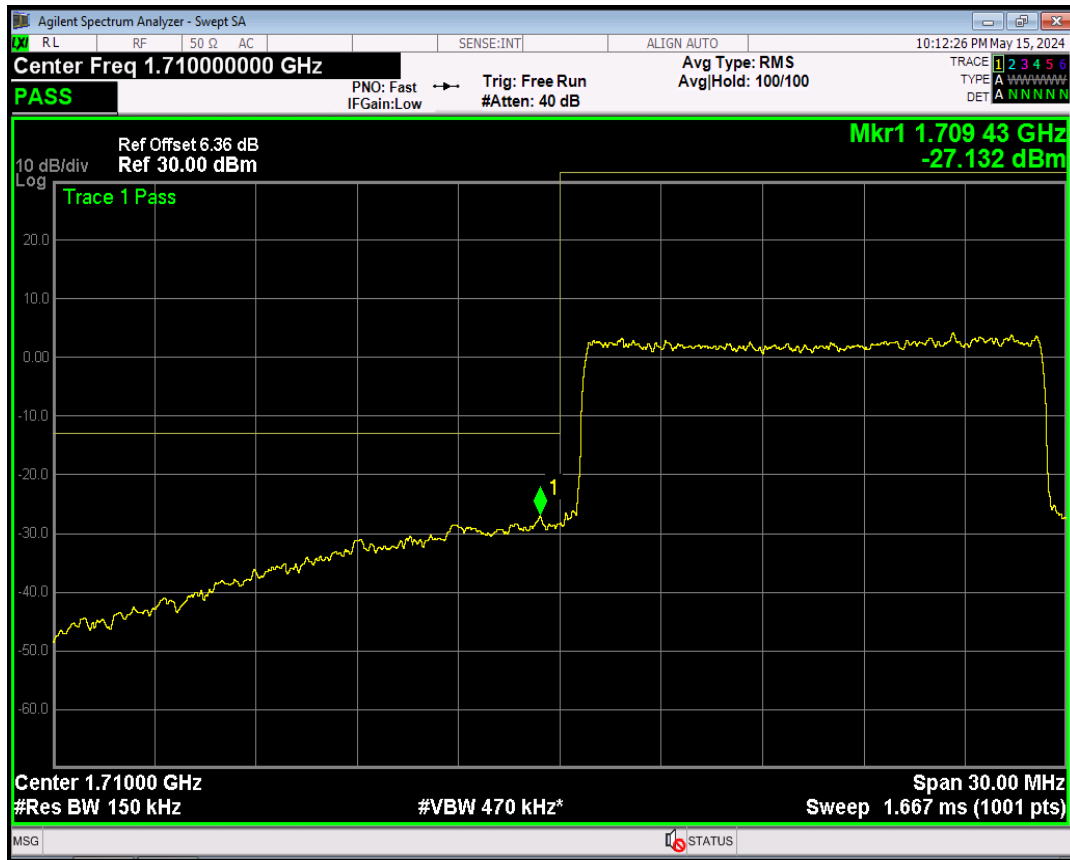




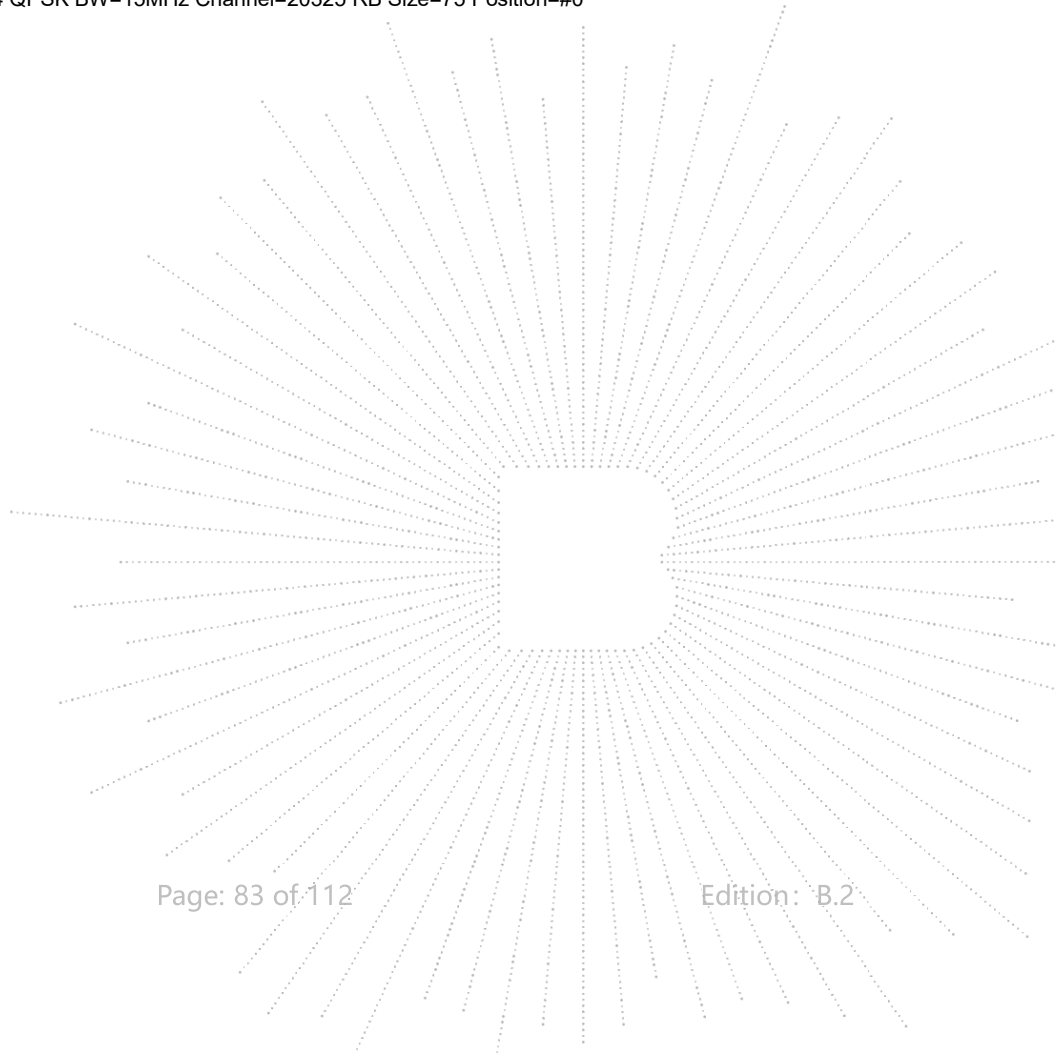
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



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



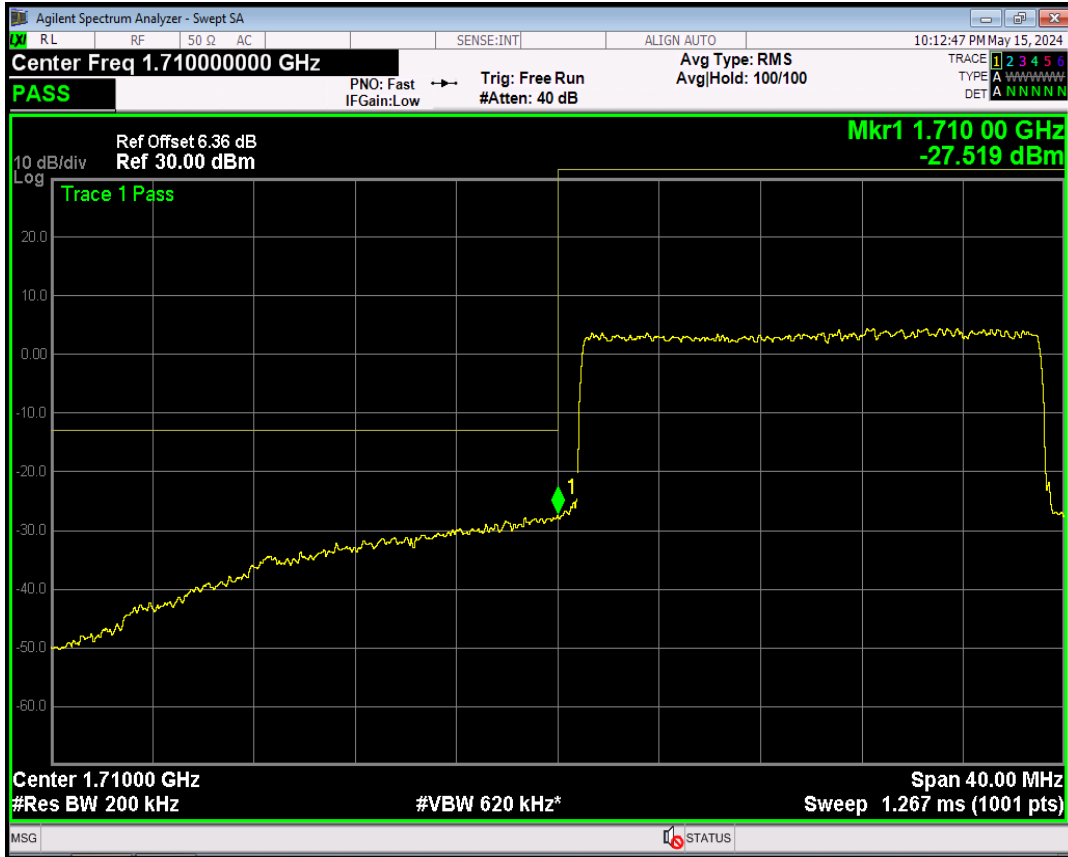


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

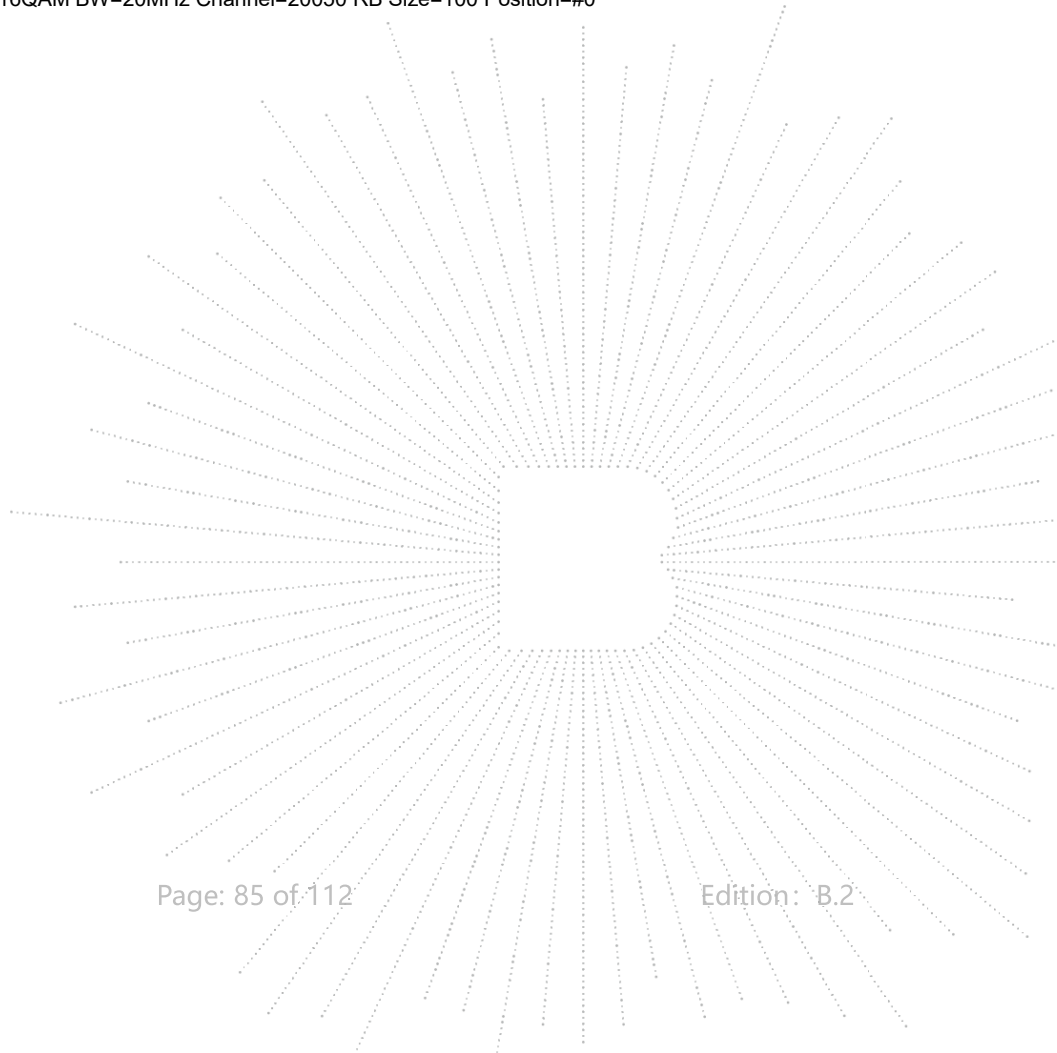


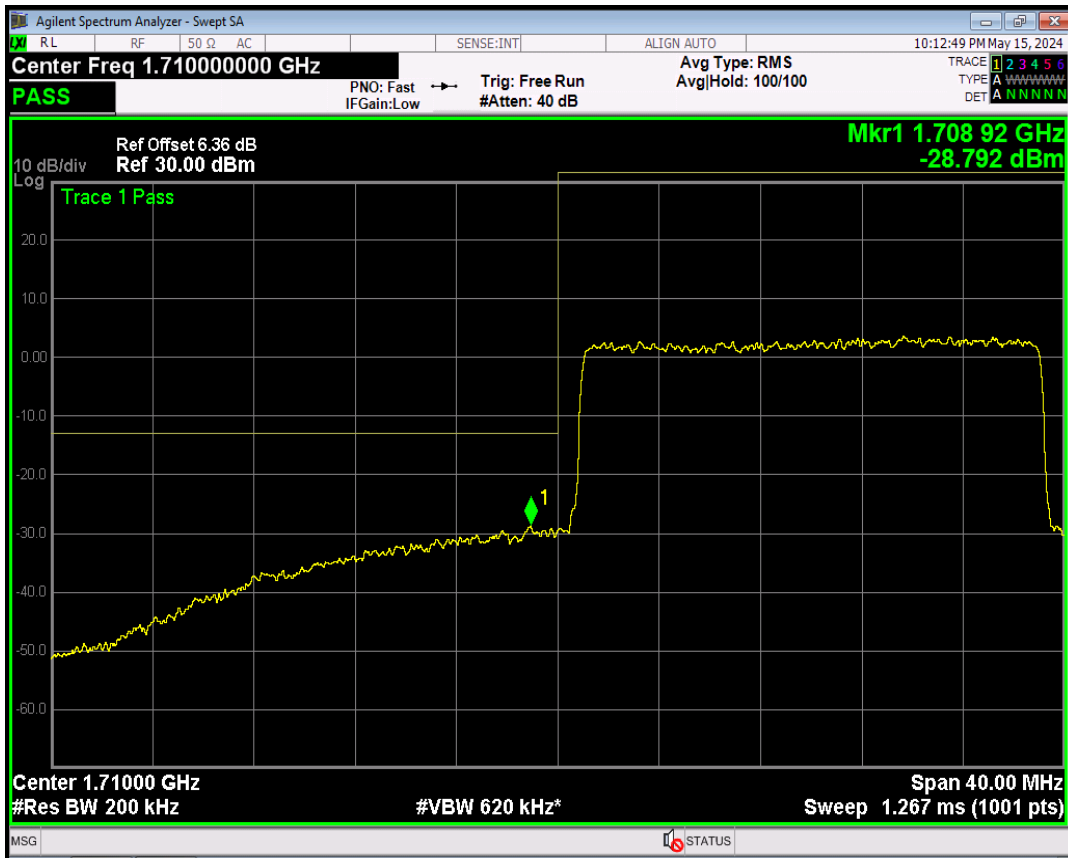


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

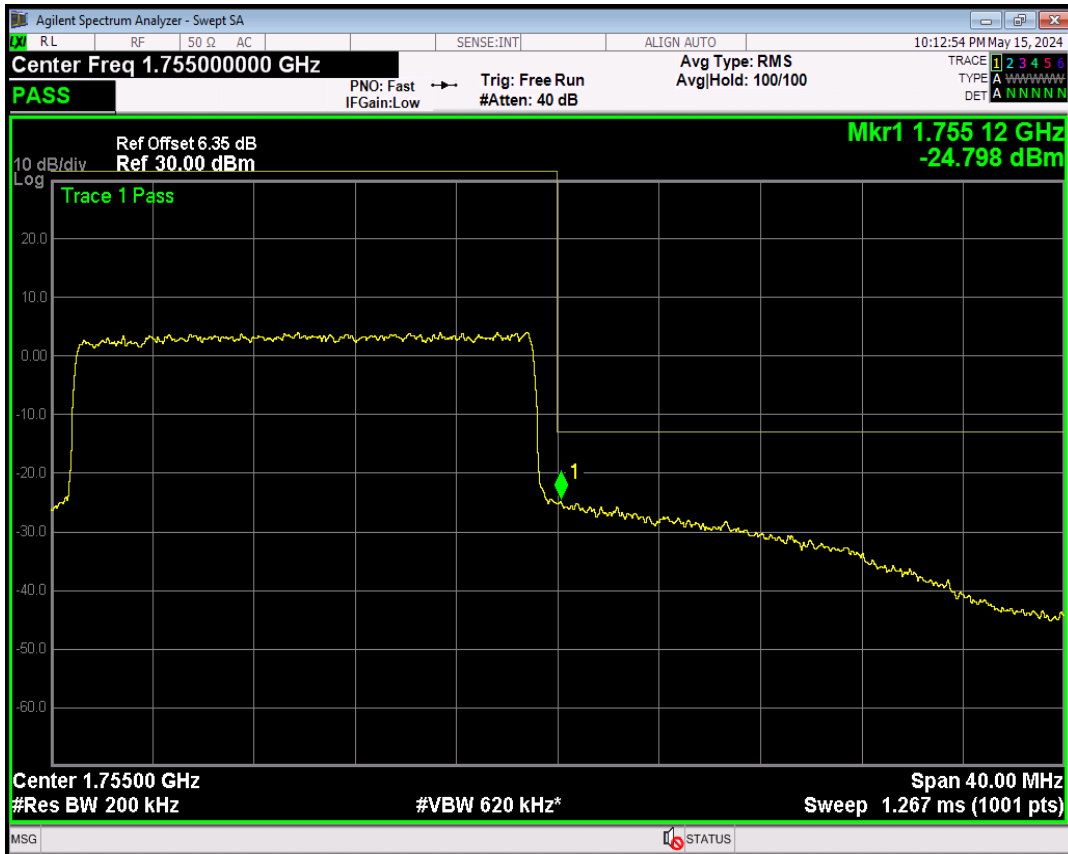


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



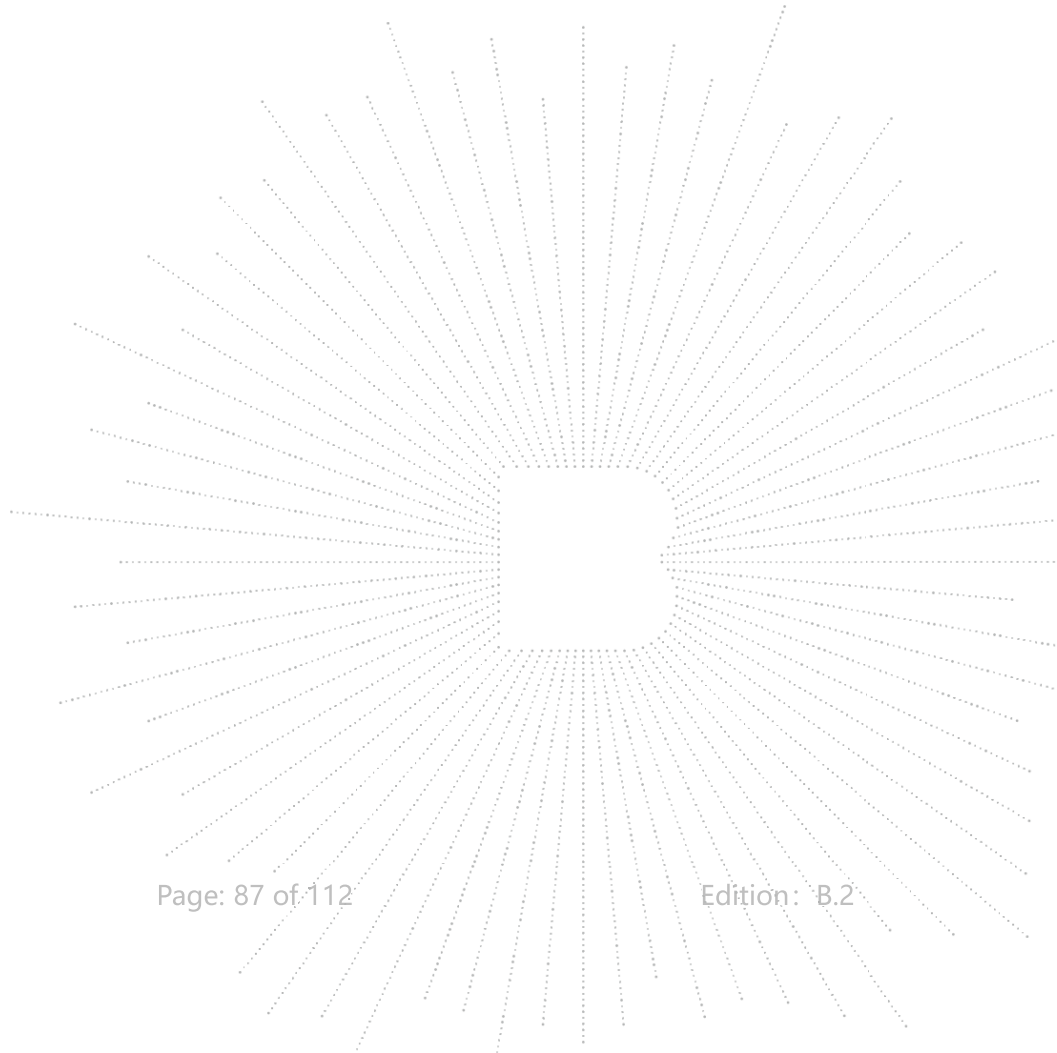
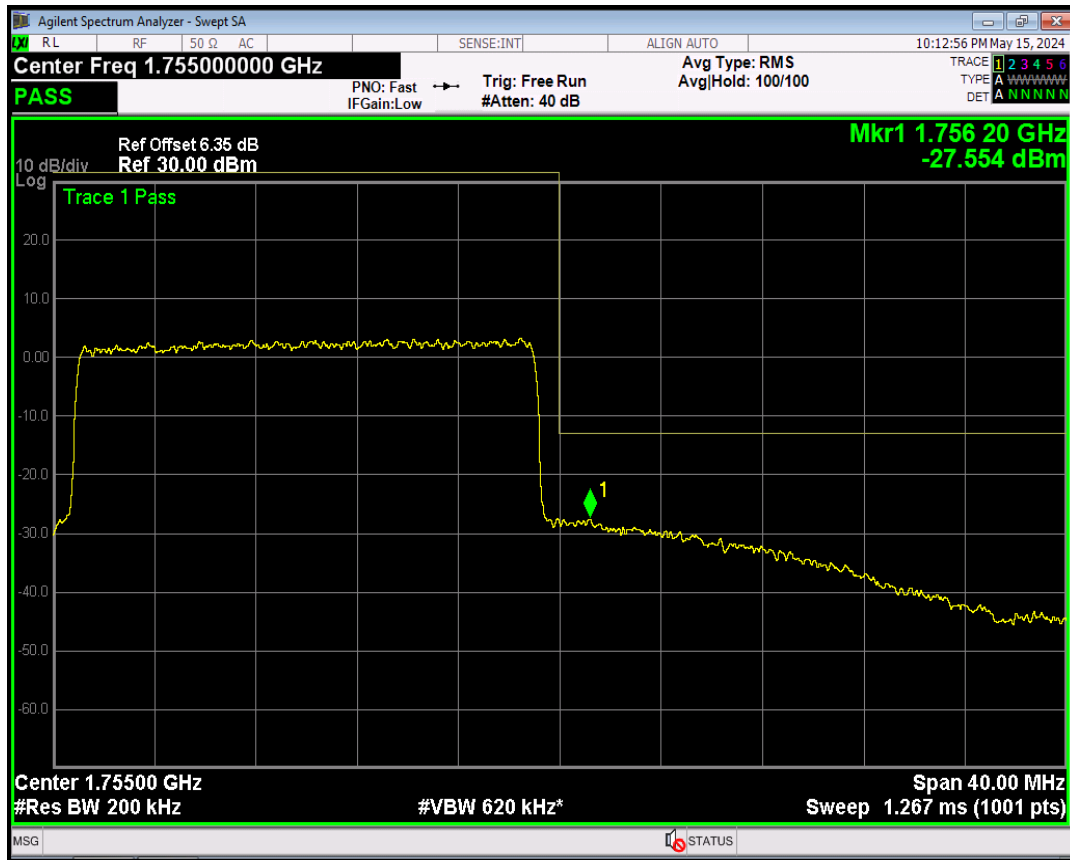


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





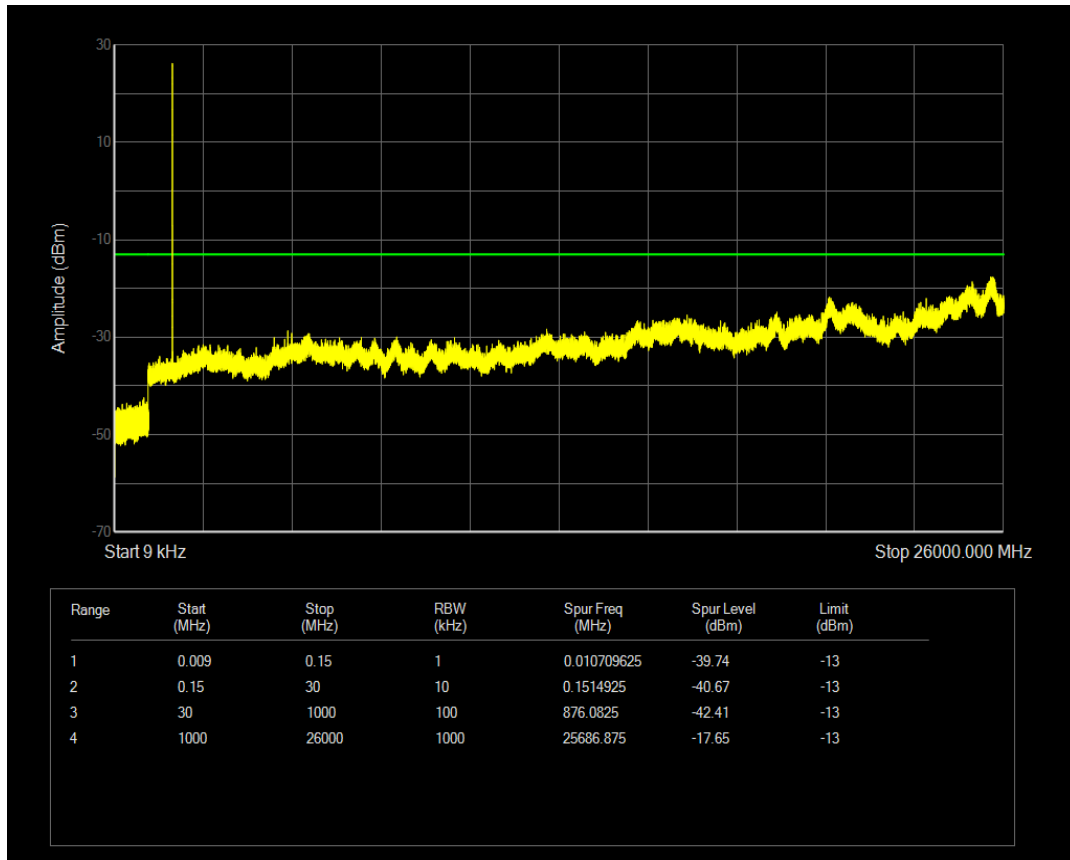
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



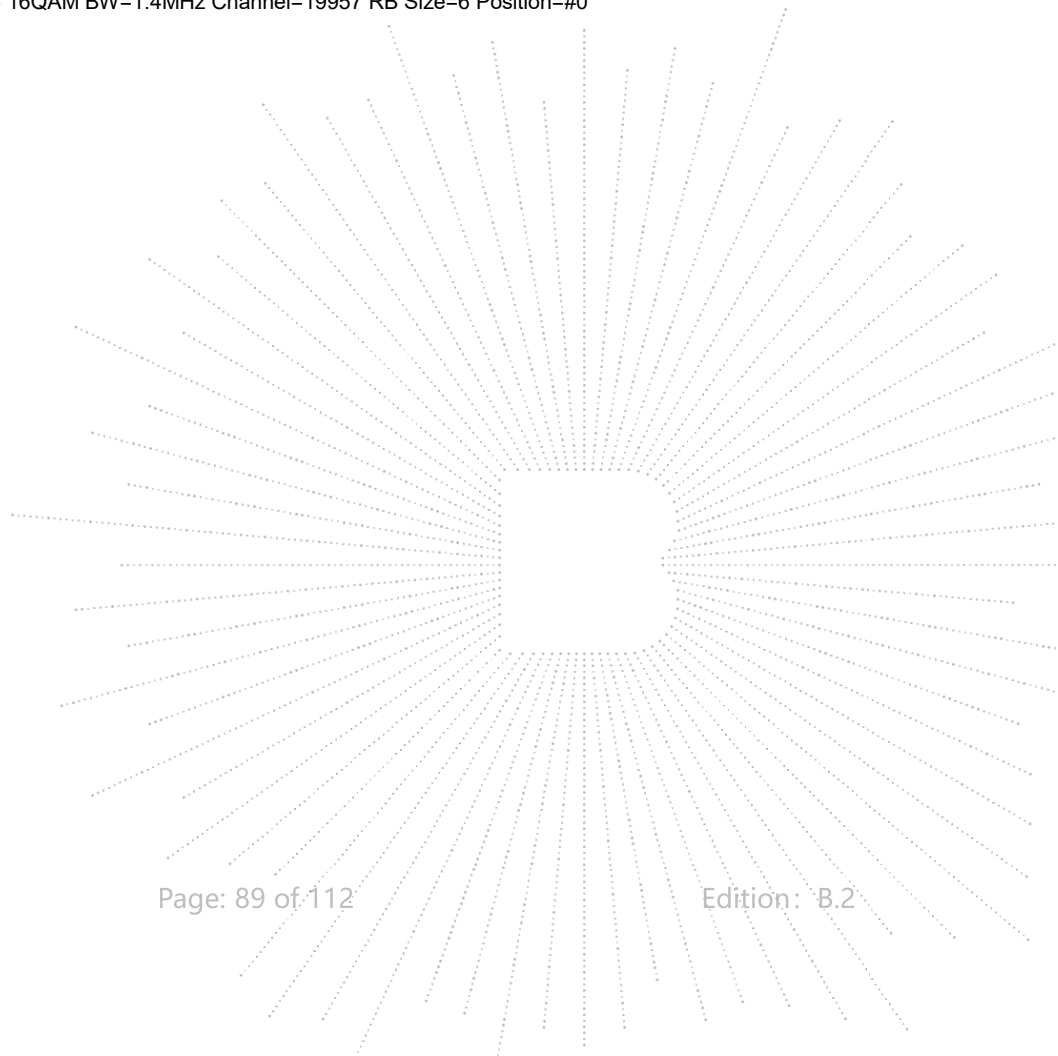
Appendix 6. Out-of-band emissions

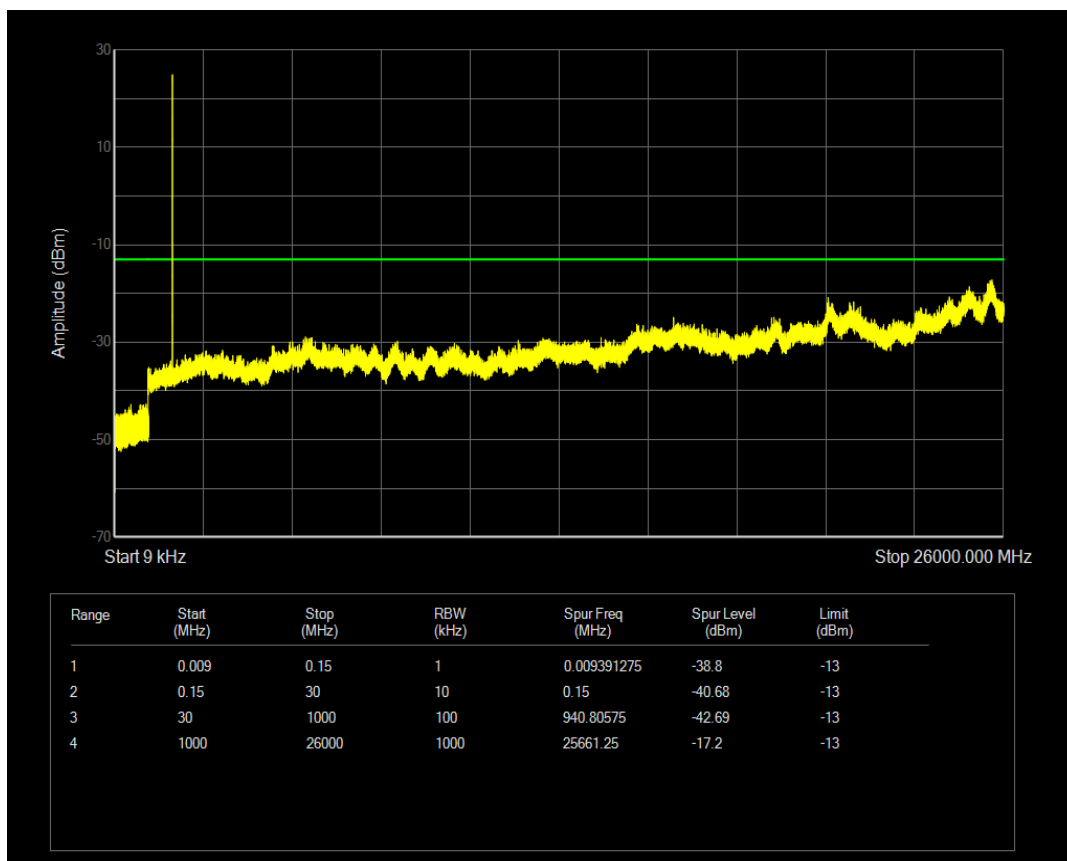
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25686.88	-17.65	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25661.25	-17.20	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25626.88	-17.43	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25613.13	-17.56	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25636.88	-17.77	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25627.50	-17.18	-13	PASS
Band4	3	19965	15	#0	QPSK	25631.88	-16.51	-13	PASS
Band4	3	19965	15	#0	16QAM	25626.25	-18.14	-13	PASS
Band4	3	20175	15	#0	QPSK	25641.88	-17.10	-13	PASS
Band4	3	20175	15	#0	16QAM	25685.00	-17.69	-13	PASS
Band4	3	20385	15	#0	QPSK	25626.25	-16.12	-13	PASS
Band4	3	20385	15	#0	16QAM	25740.63	-17.57	-13	PASS
Band4	5	19975	25	#0	QPSK	25647.50	-17.33	-13	PASS
Band4	5	19975	25	#0	16QAM	25571.88	-17.37	-13	PASS
Band4	5	20175	25	#0	QPSK	25602.50	-16.88	-13	PASS
Band4	5	20175	25	#0	16QAM	25620.63	-17.73	-13	PASS
Band4	5	20375	25	#0	QPSK	25675.00	-17.58	-13	PASS
Band4	5	20375	25	#0	16QAM	25625.63	-17.81	-13	PASS
Band4	10	20000	50	#0	QPSK	25660.00	-15.89	-13	PASS
Band4	10	20000	50	#0	16QAM	25606.88	-17.82	-13	PASS
Band4	10	20175	50	#0	QPSK	25731.88	-16.98	-13	PASS
Band4	10	20175	50	#0	16QAM	25610.63	-17.26	-13	PASS
Band4	10	20350	50	#0	QPSK	25663.75	-17.77	-13	PASS
Band4	10	20350	50	#0	16QAM	25591.88	-16.64	-13	PASS
Band4	15	20025	75	#0	QPSK	25691.88	-17.22	-13	PASS
Band4	15	20025	75	#0	16QAM	25684.38	-17.70	-13	PASS
Band4	15	20175	75	#0	QPSK	25635.00	-17.73	-13	PASS
Band4	15	20175	75	#0	16QAM	25573.13	-16.73	-13	PASS
Band4	15	20325	75	#0	QPSK	25033.75	-17.67	-13	PASS
Band4	15	20325	75	#0	16QAM	25633.13	-17.99	-13	PASS
Band4	20	20050	100	#0	QPSK	25697.50	-17.88	-13	PASS
Band4	20	20050	100	#0	16QAM	25627.50	-17.33	-13	PASS
Band4	20	20175	100	#0	QPSK	25686.88	-17.92	-13	PASS
Band4	20	20175	100	#0	16QAM	25636.88	-18.00	-13	PASS
Band4	20	20300	100	#0	QPSK	25689.38	-17.87	-13	PASS
Band4	20	20300	100	#0	16QAM	25642.50	-17.73	-13	PASS

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

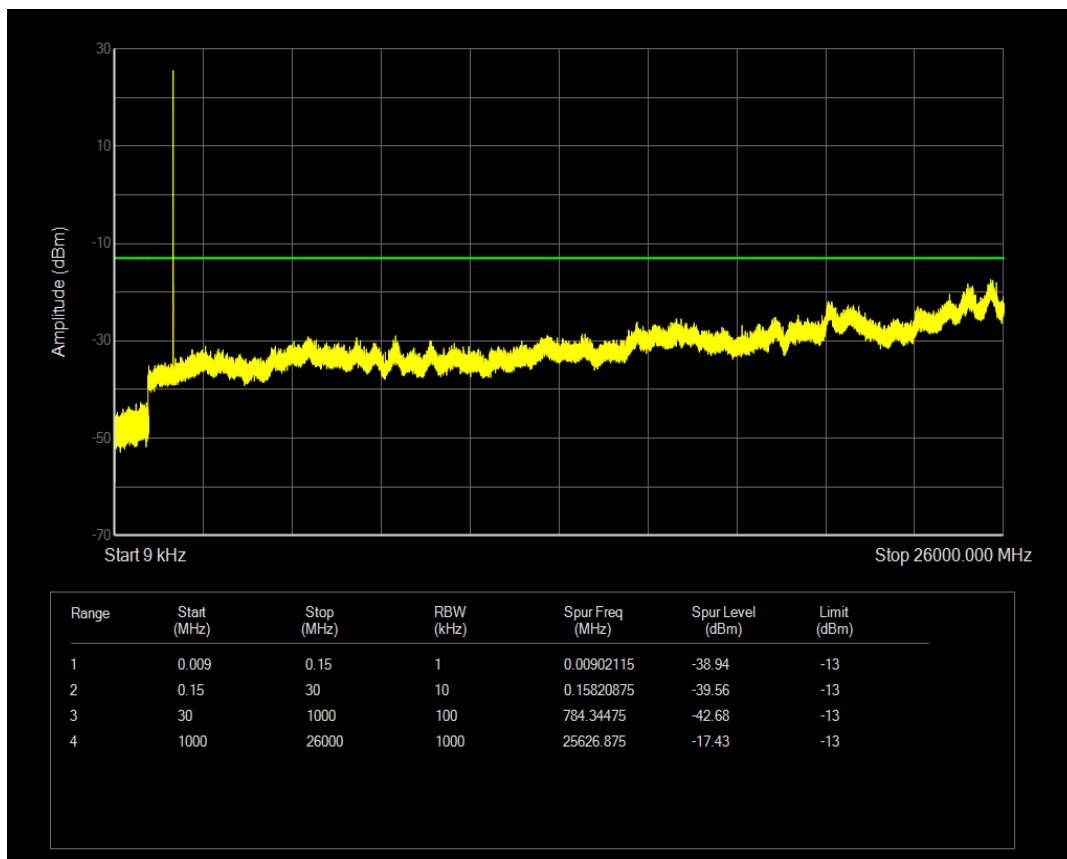


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

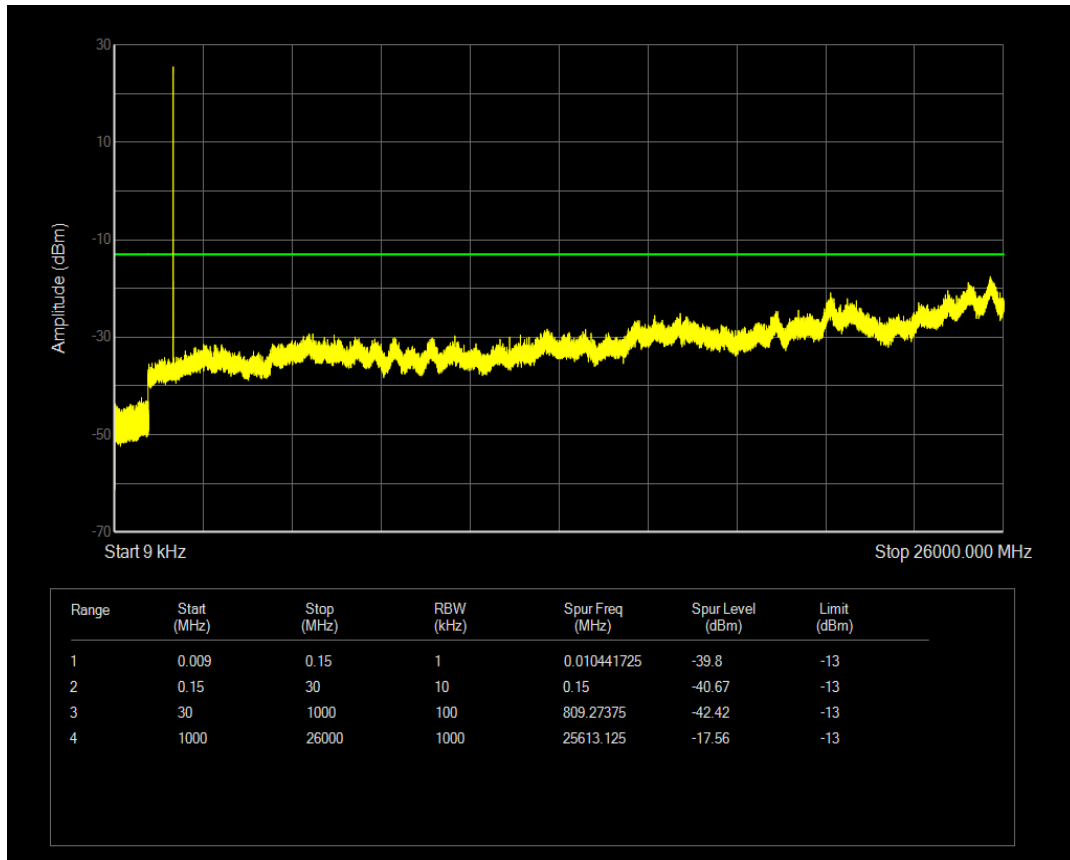




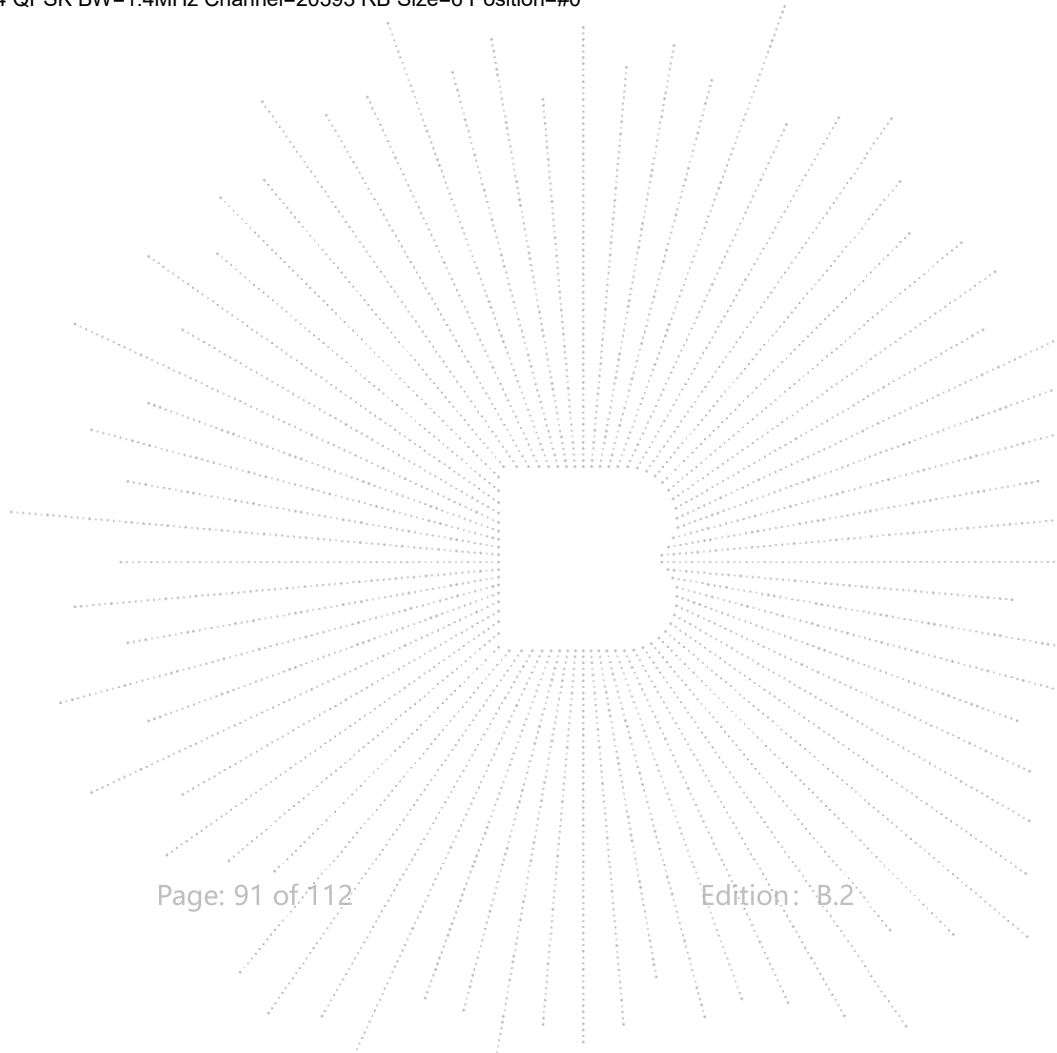
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

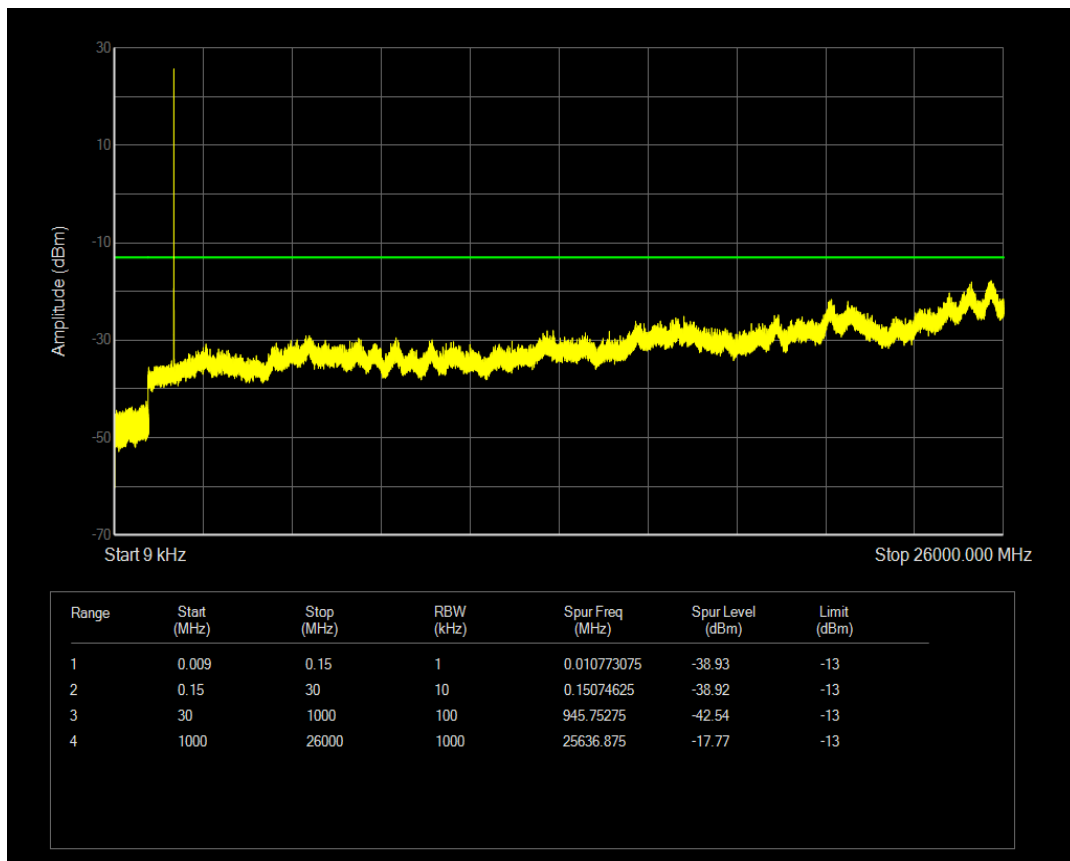


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

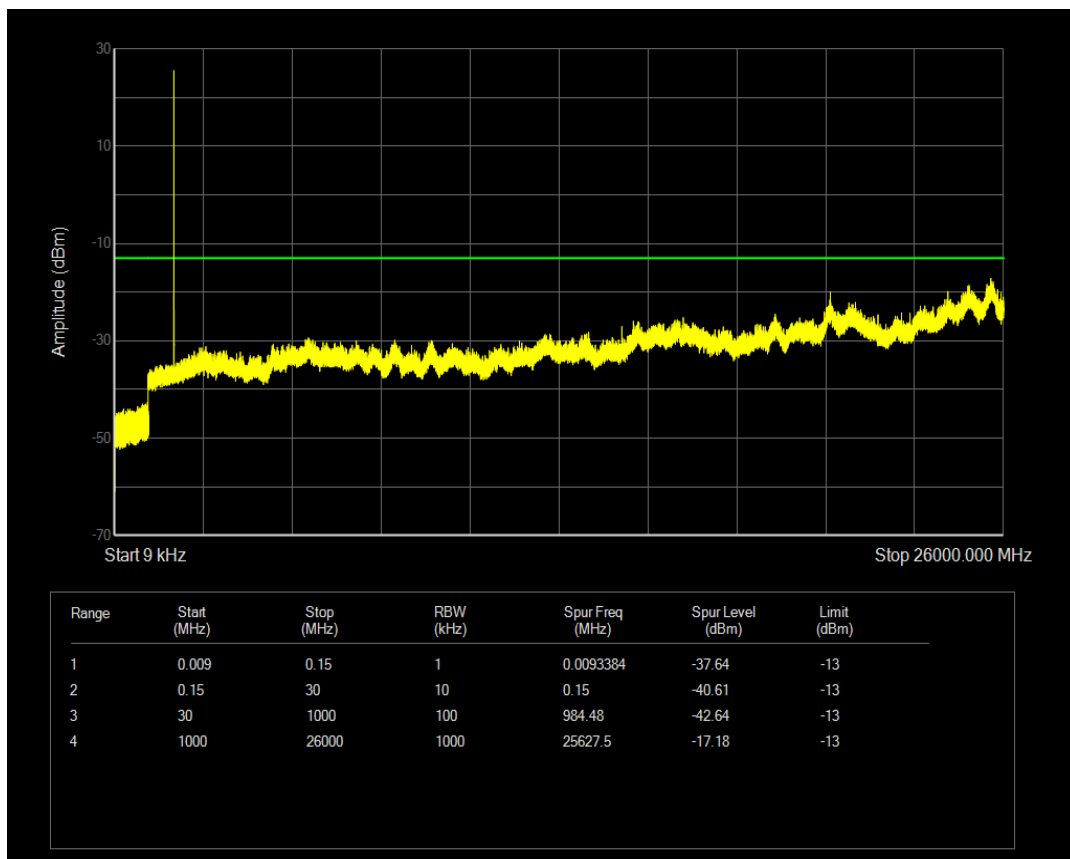


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

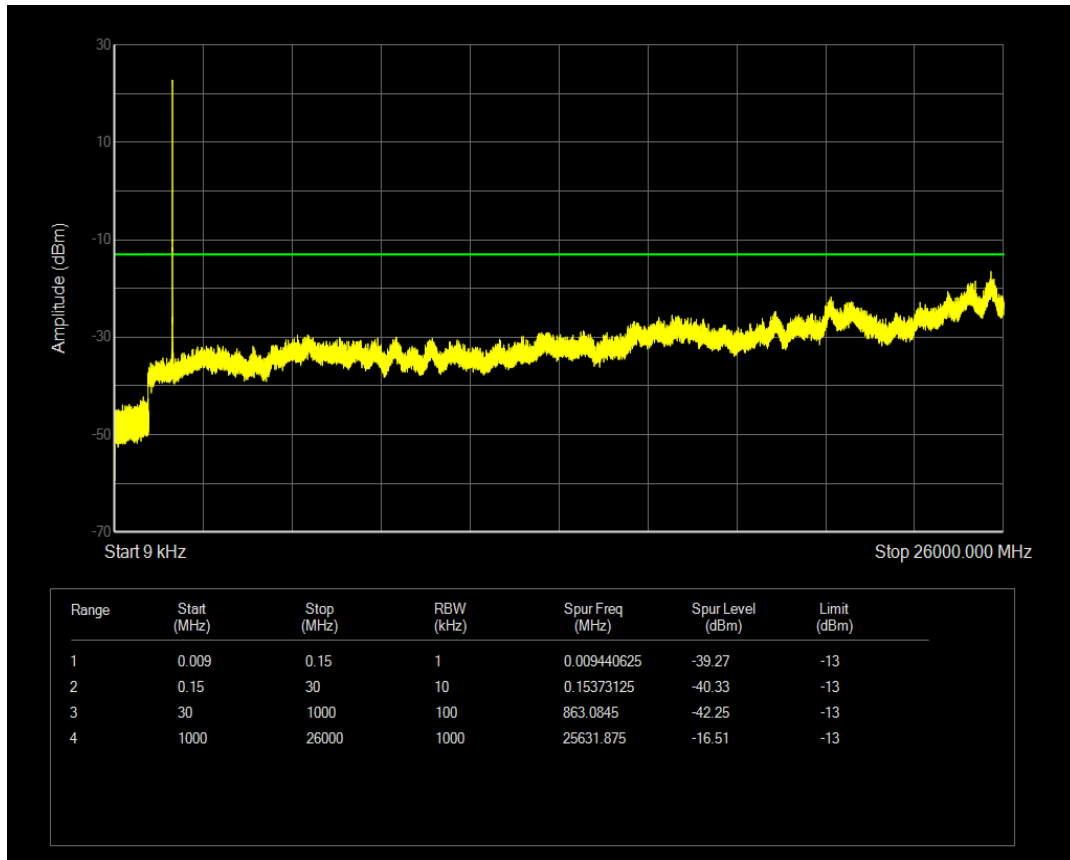




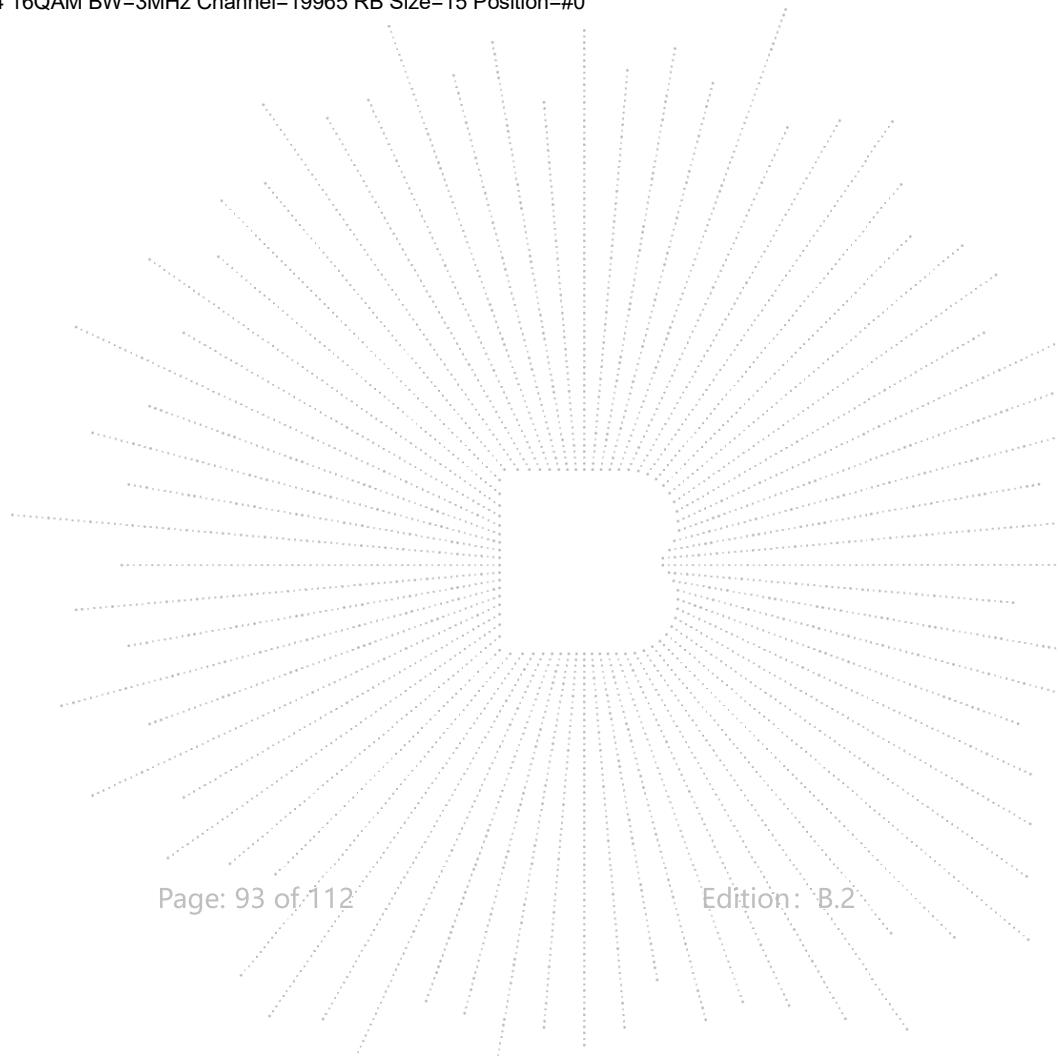
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

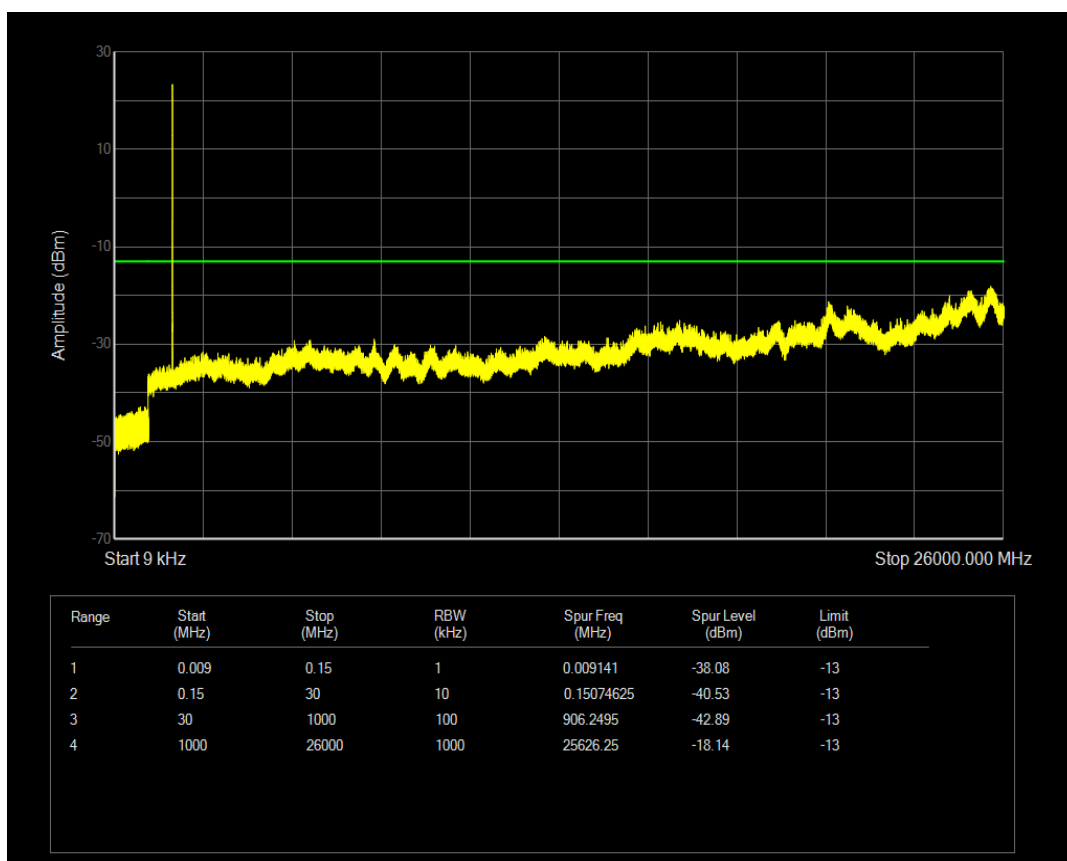


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

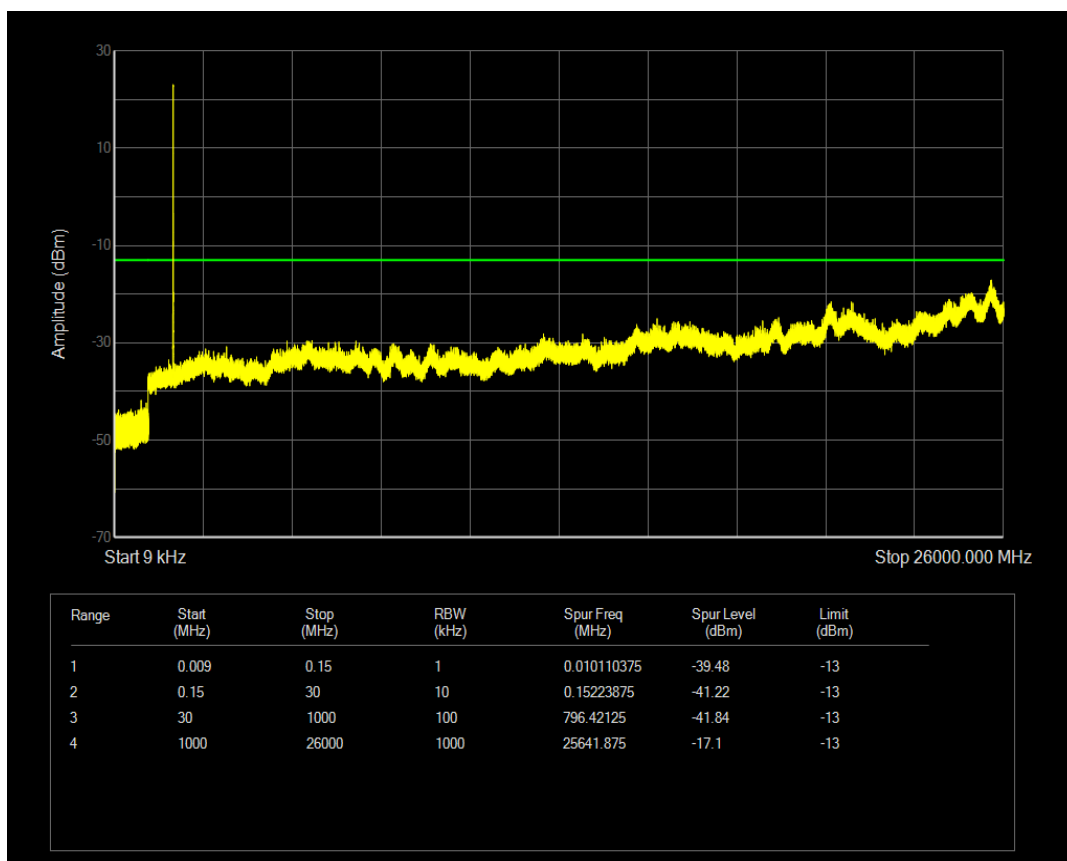


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



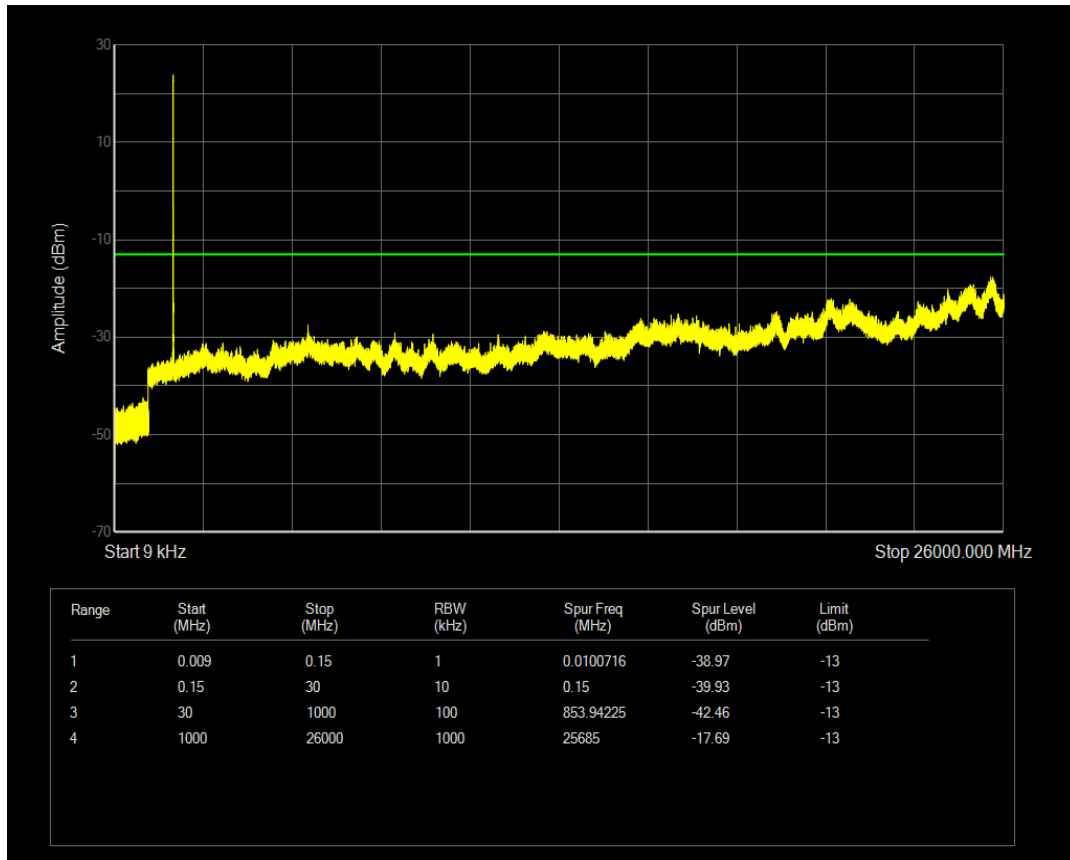


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

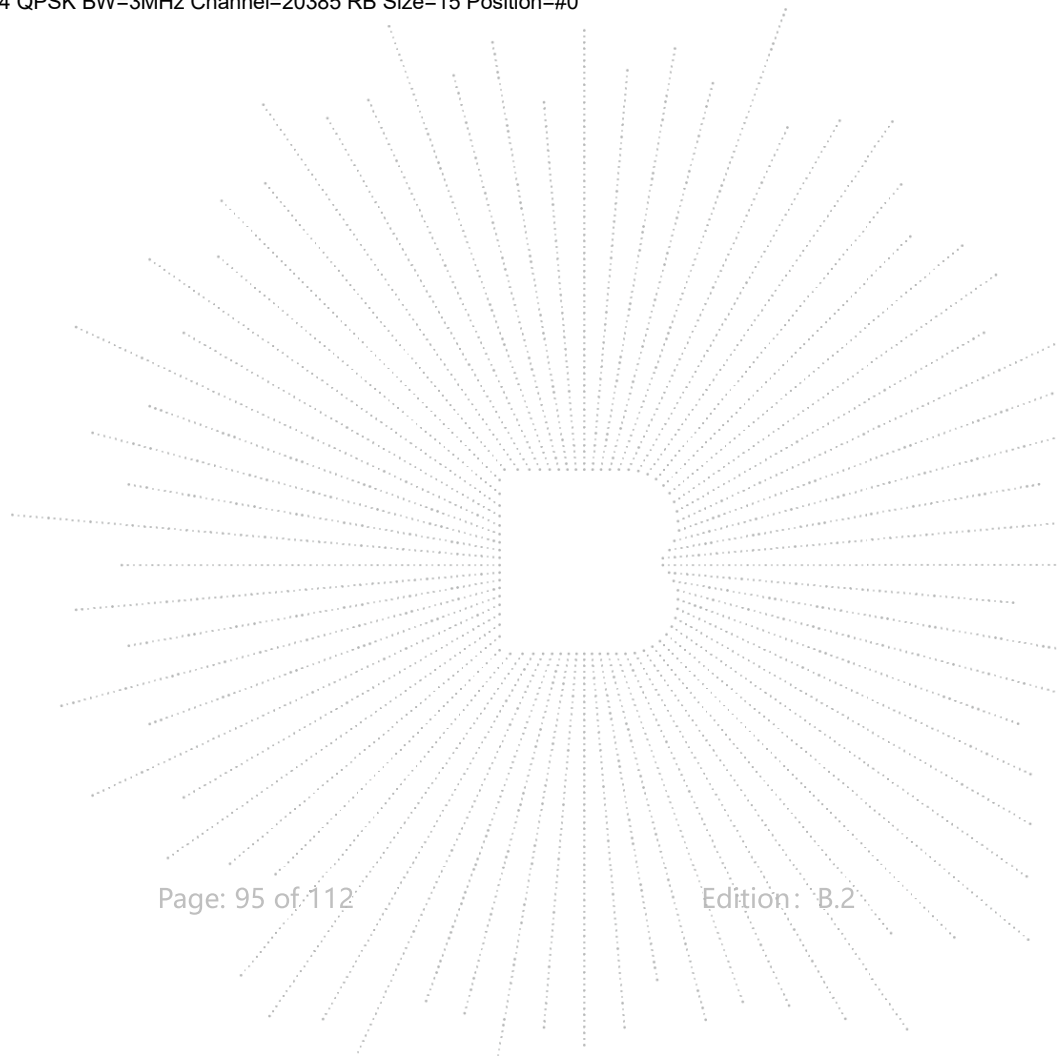


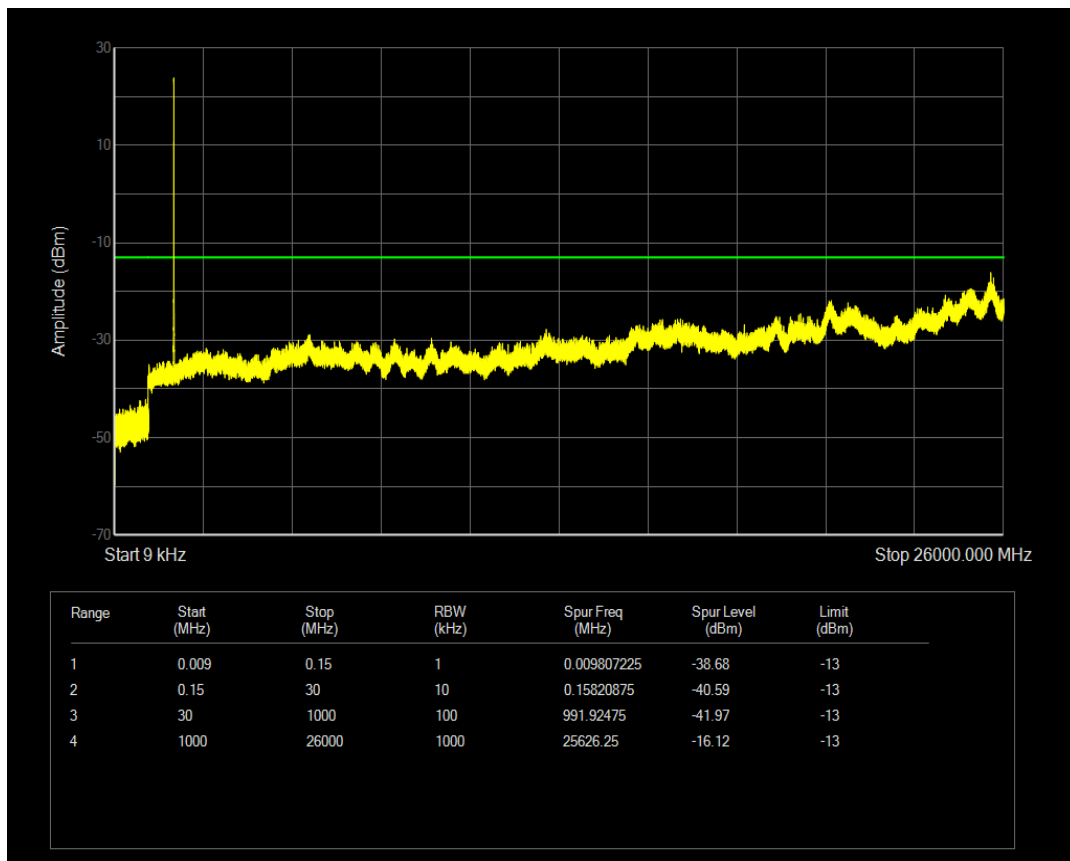


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

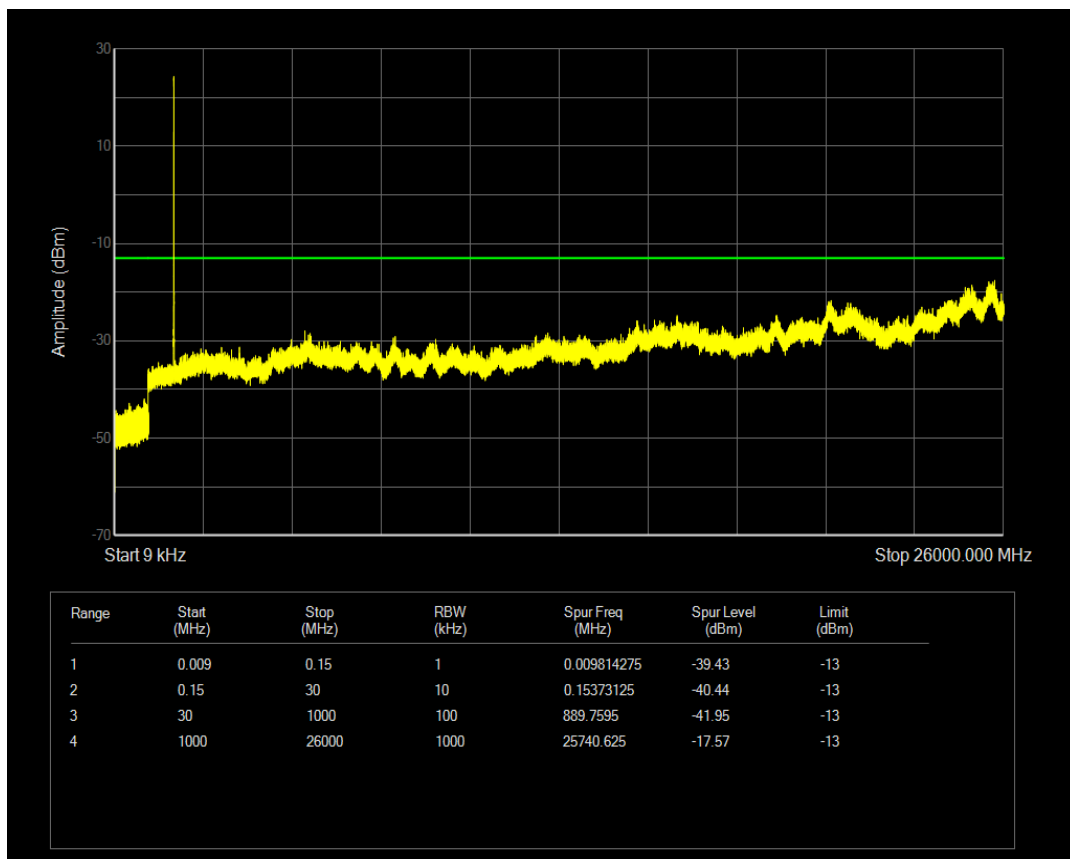


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

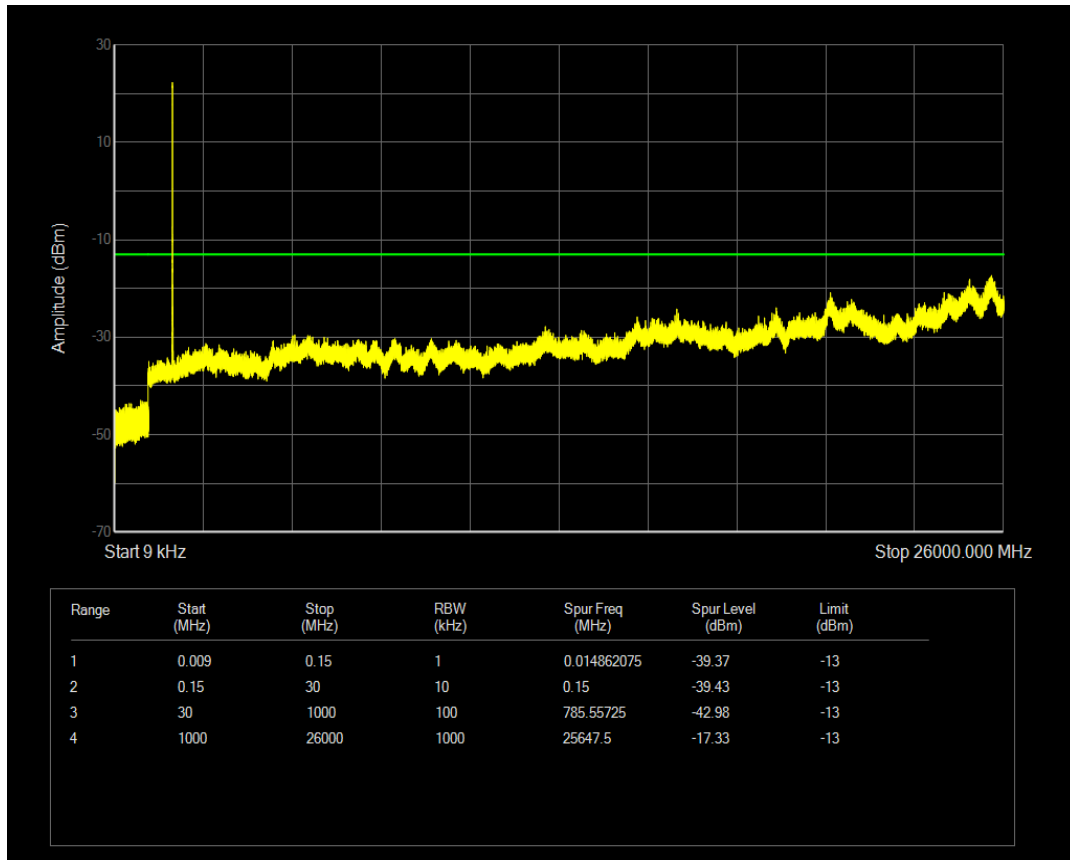




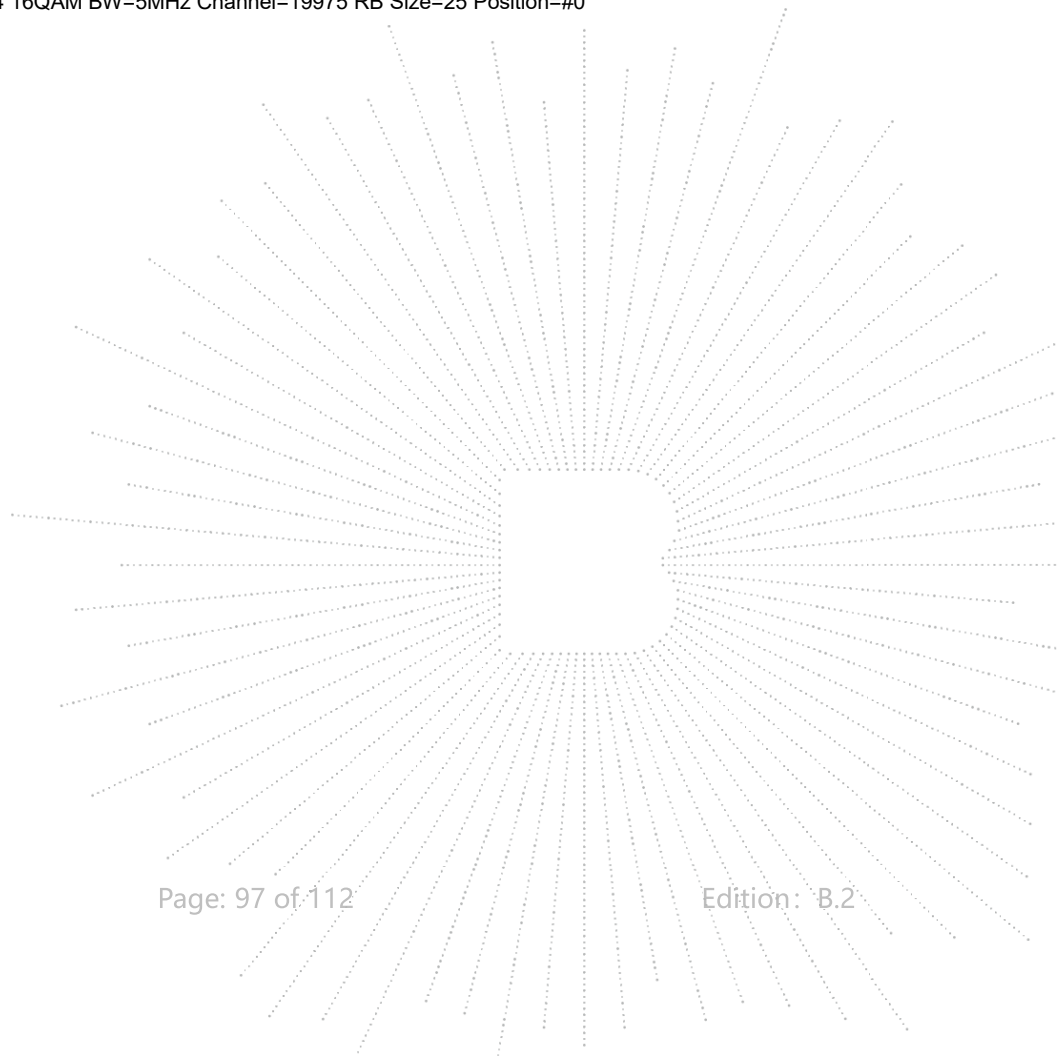
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

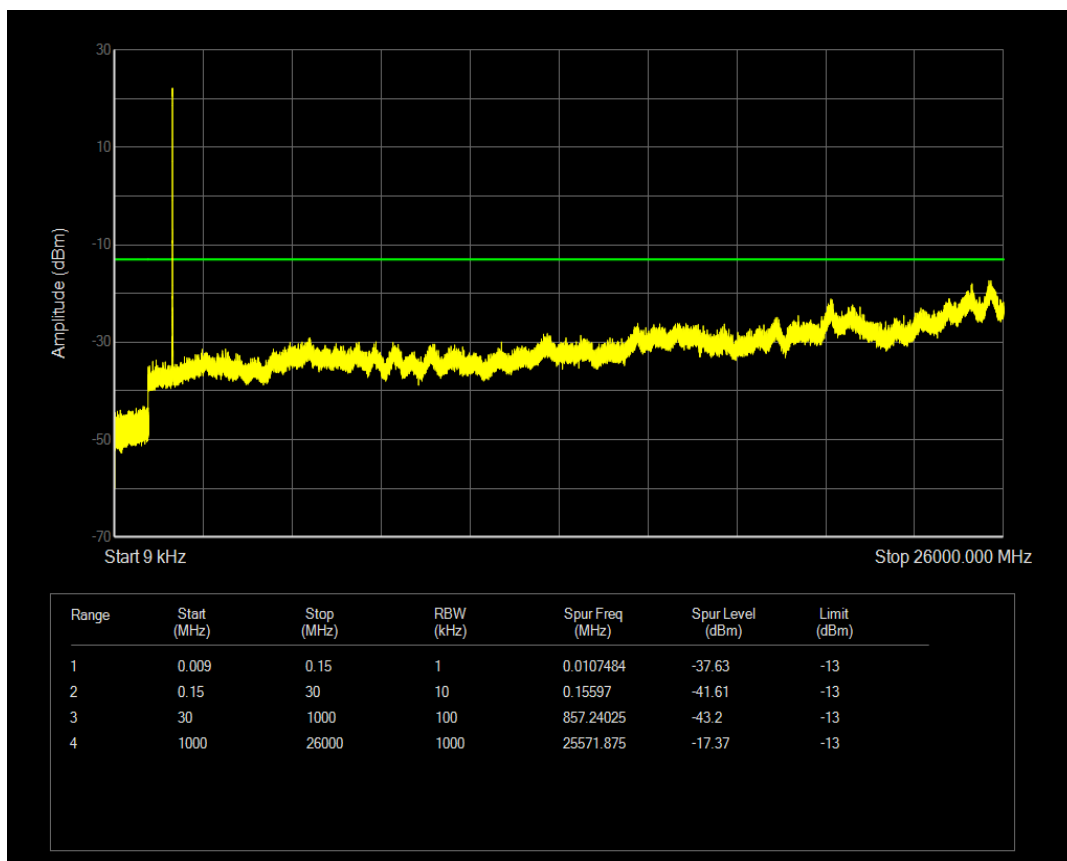


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

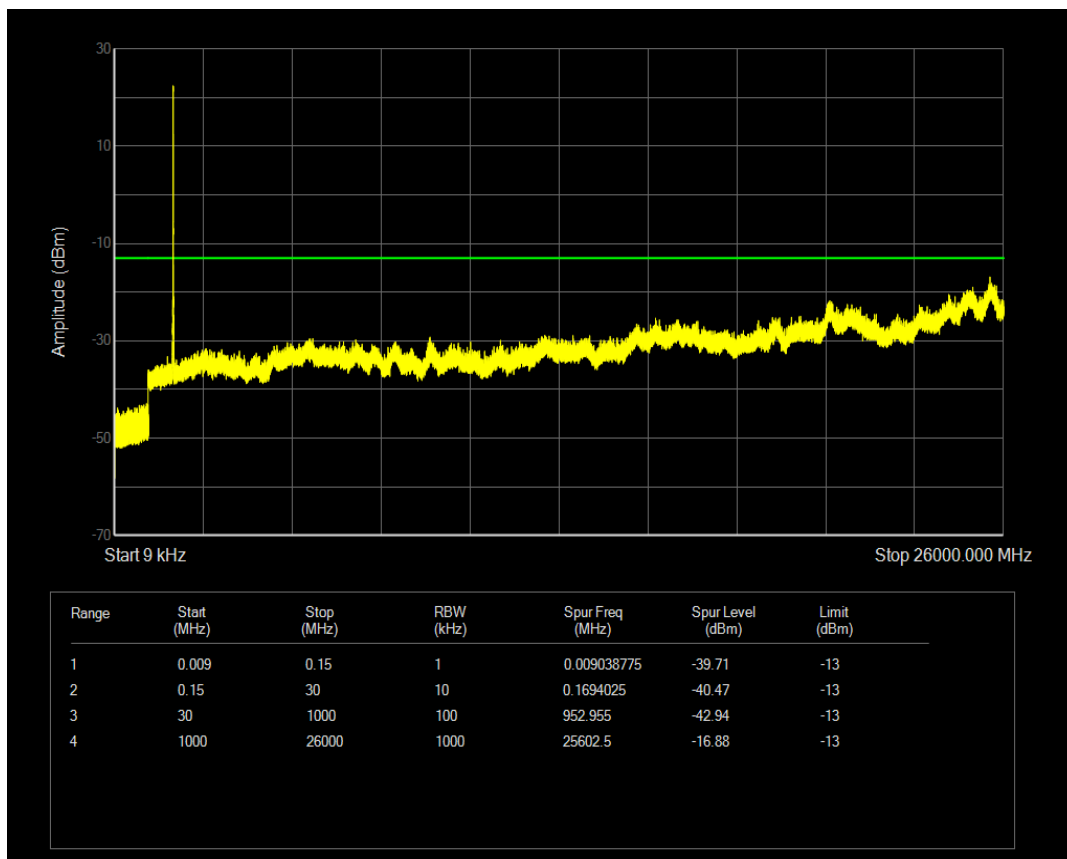


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

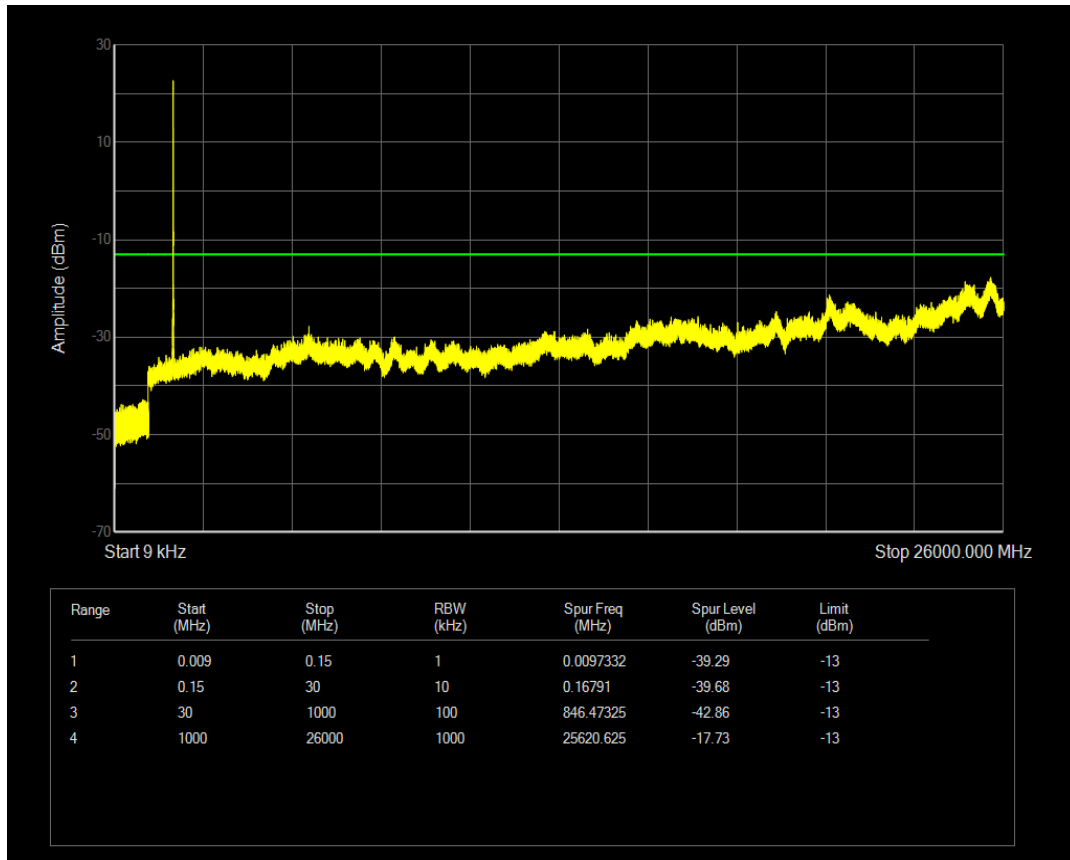




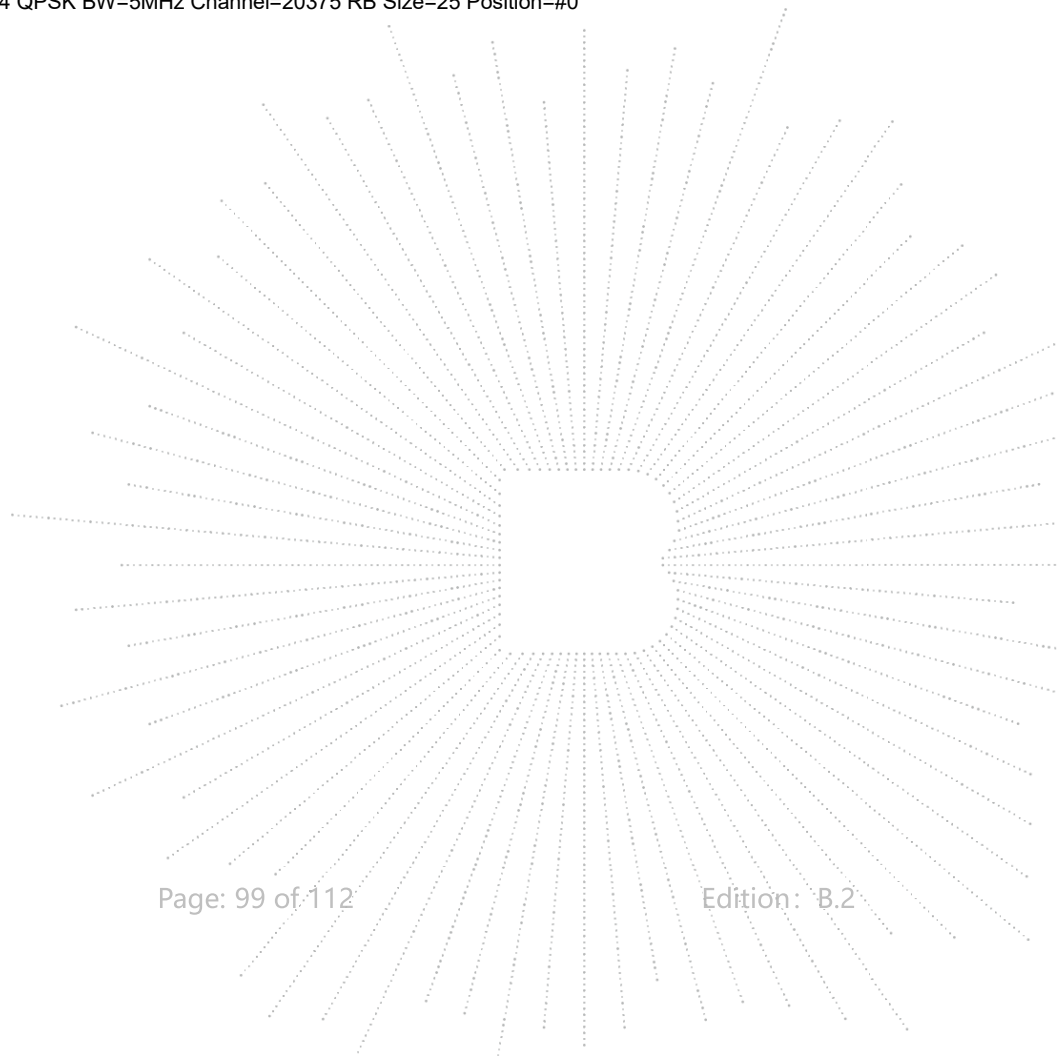
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

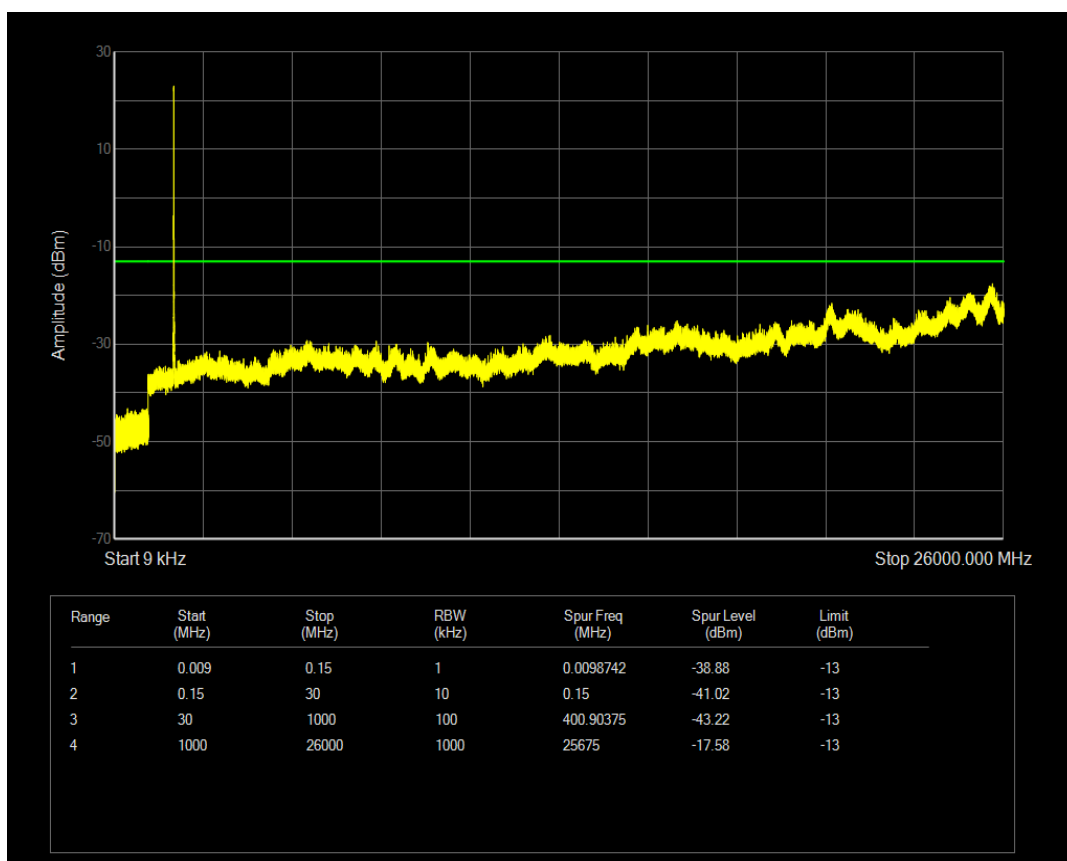


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

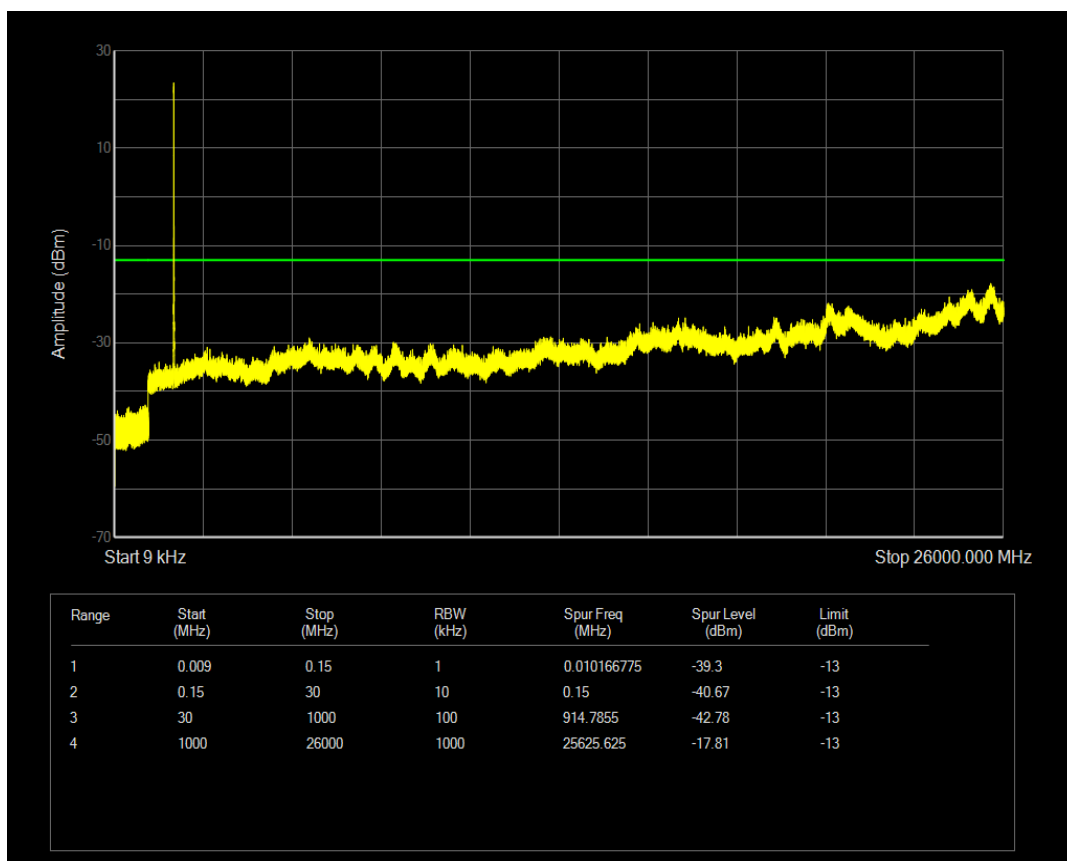


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

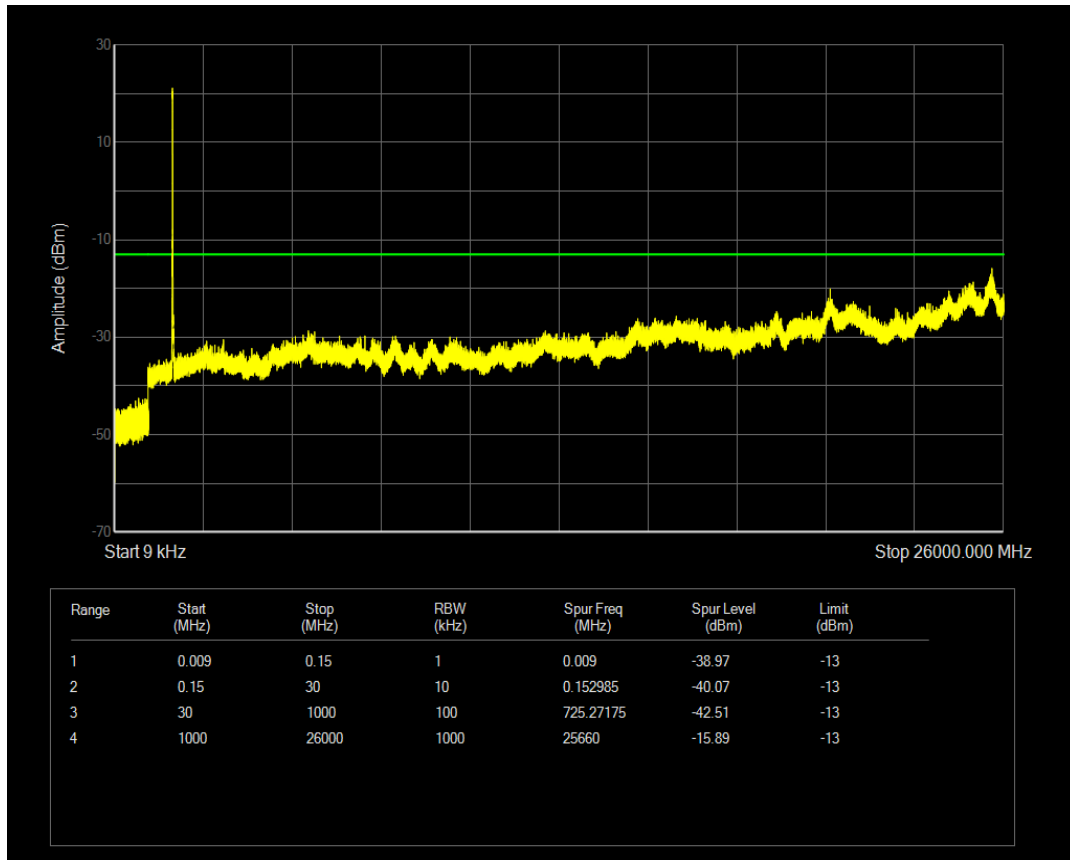




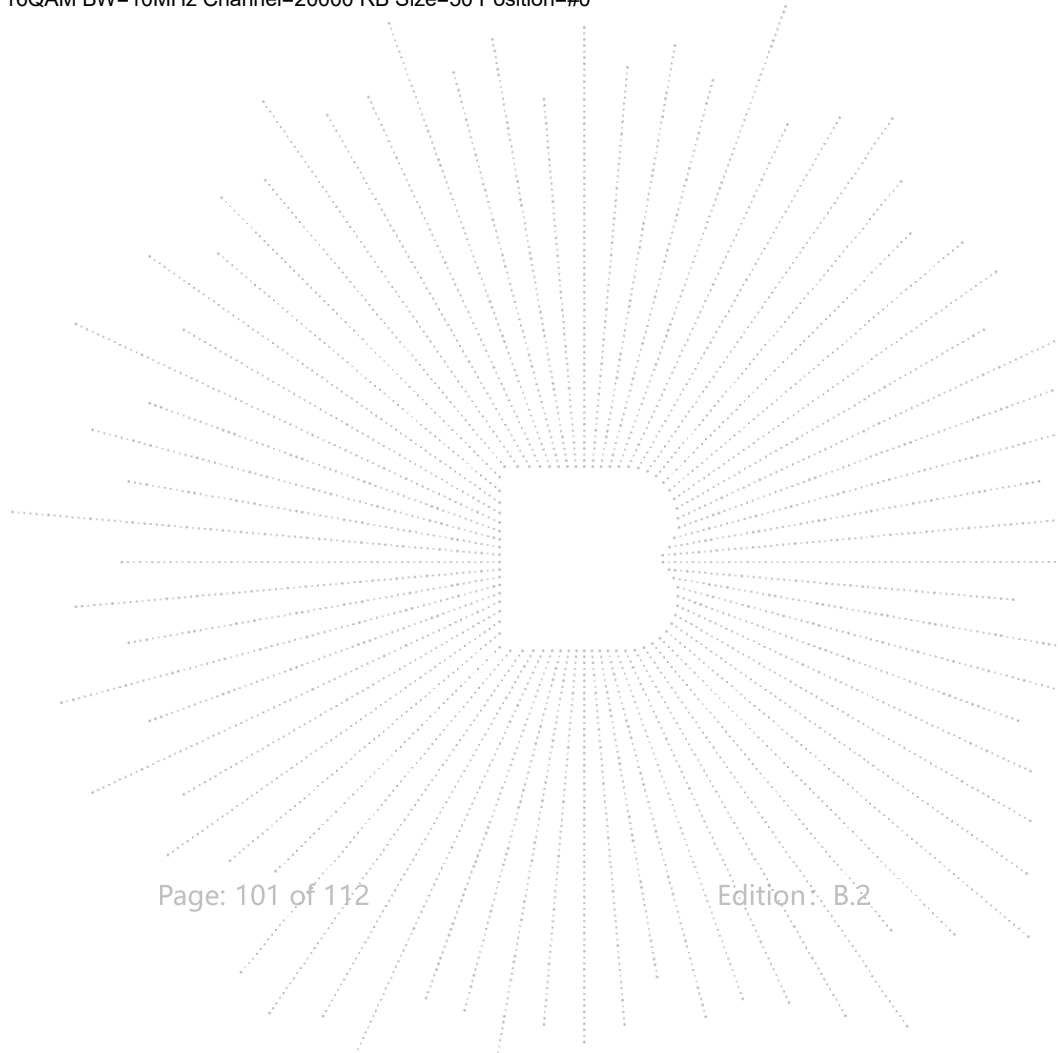
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

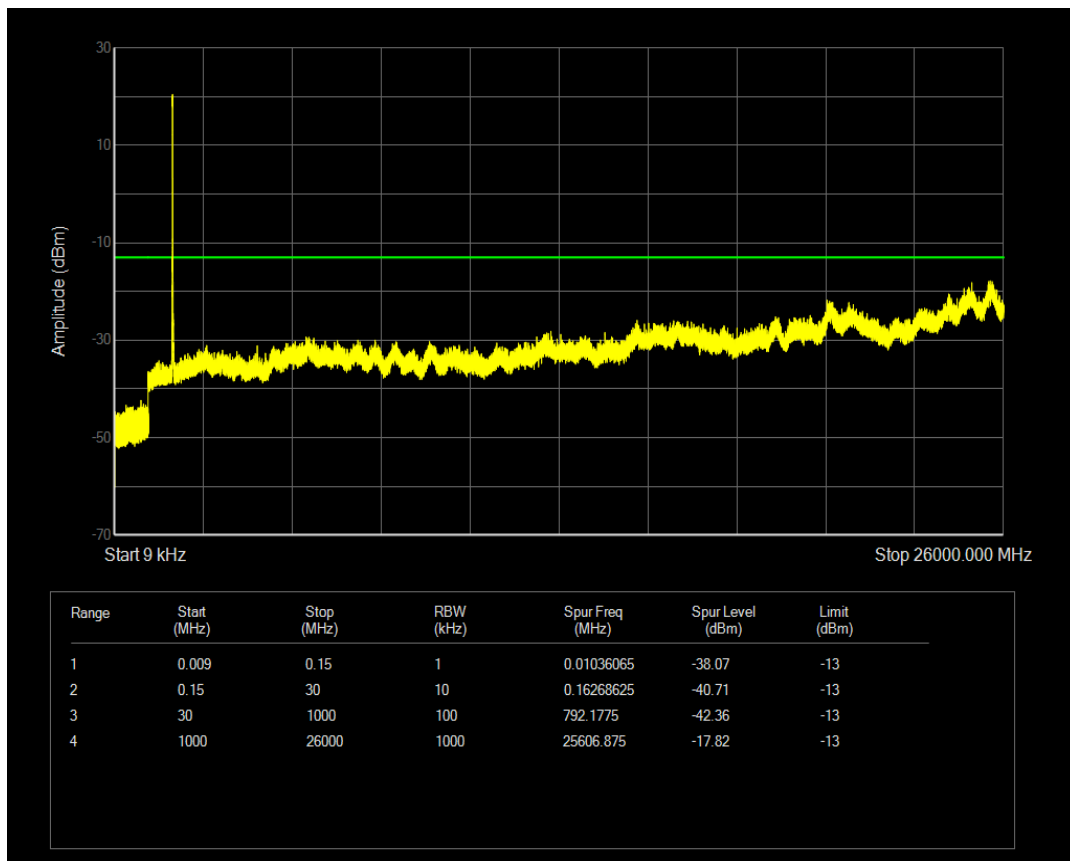


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

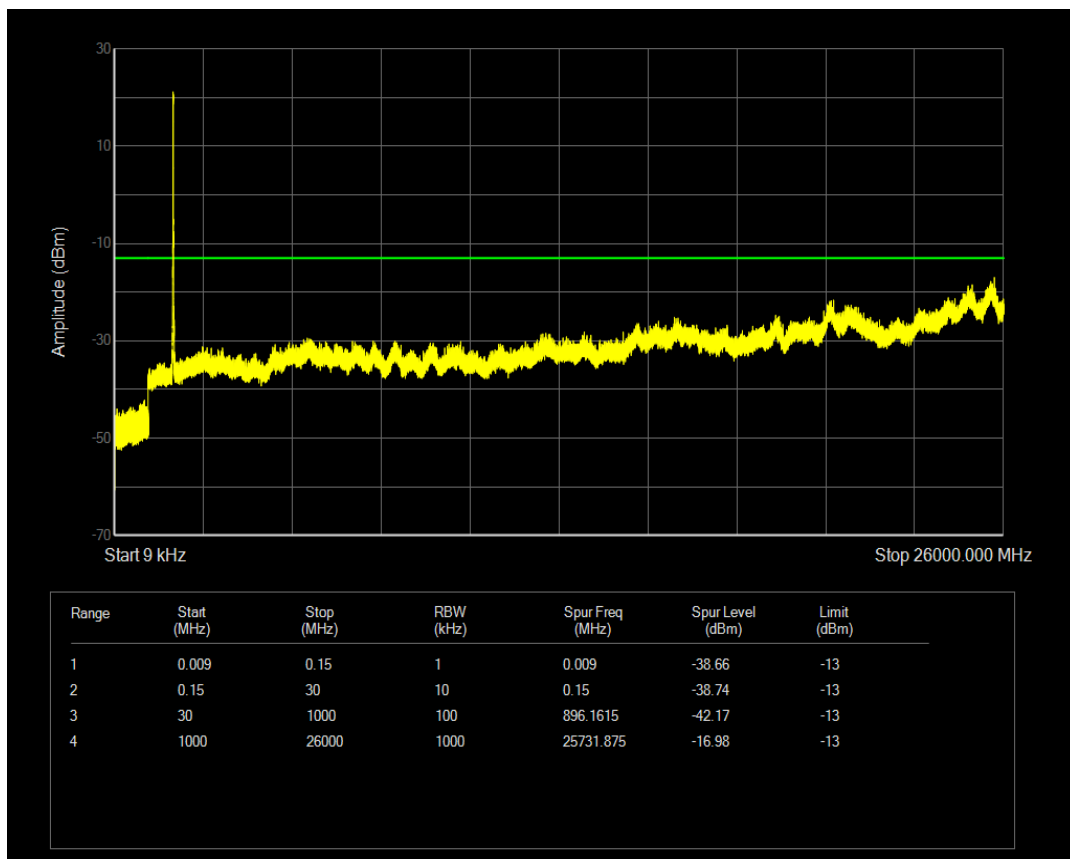


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



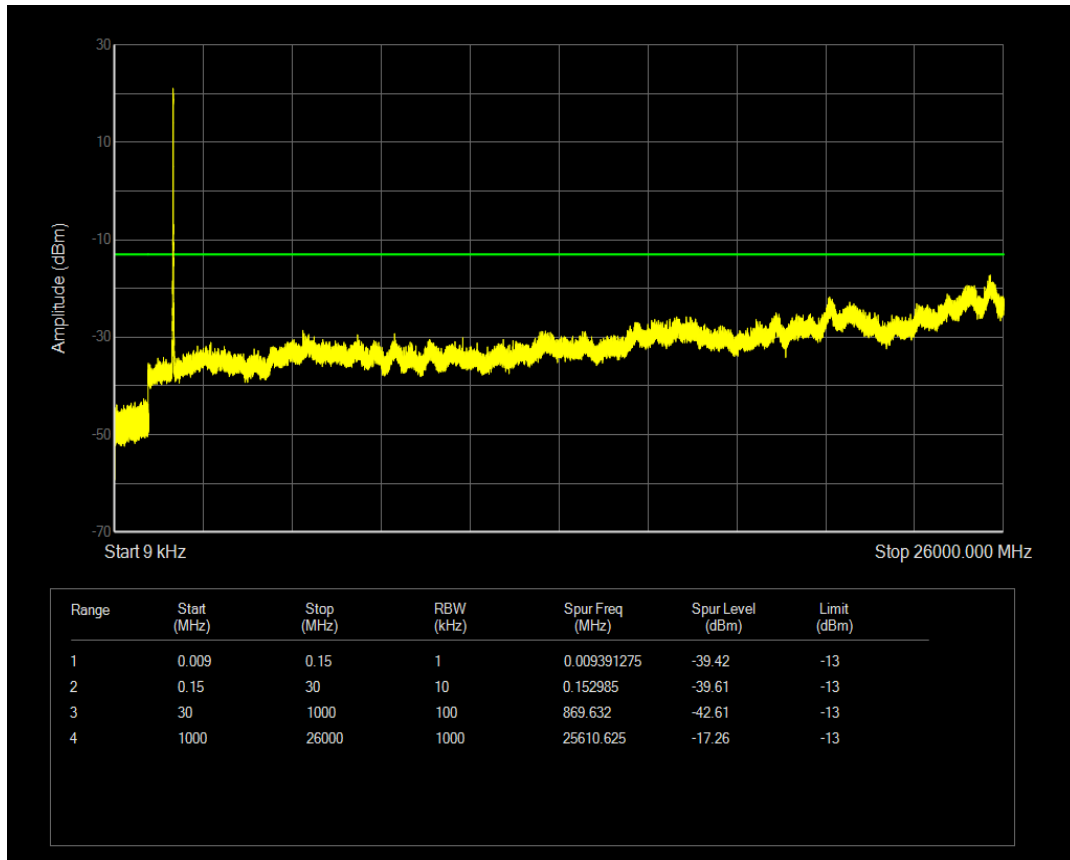


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

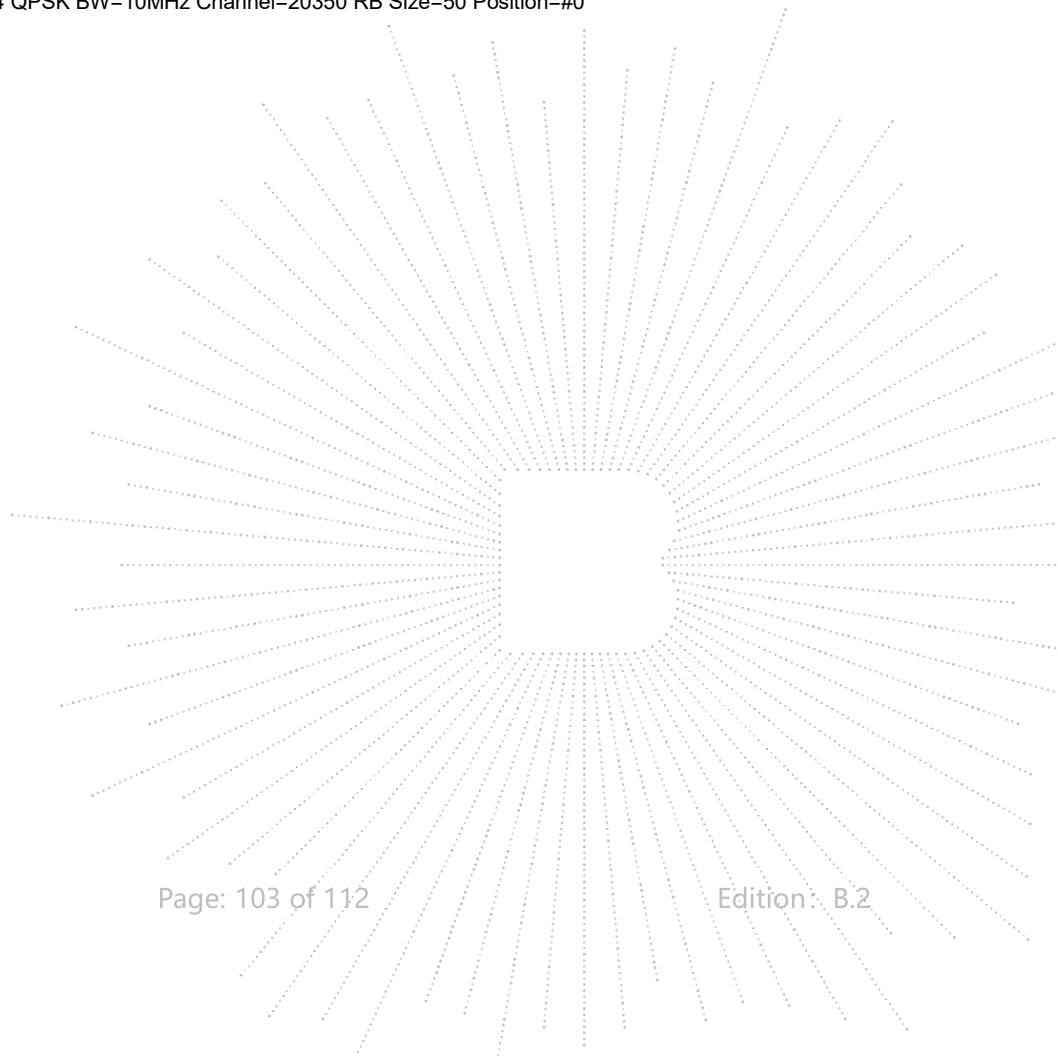


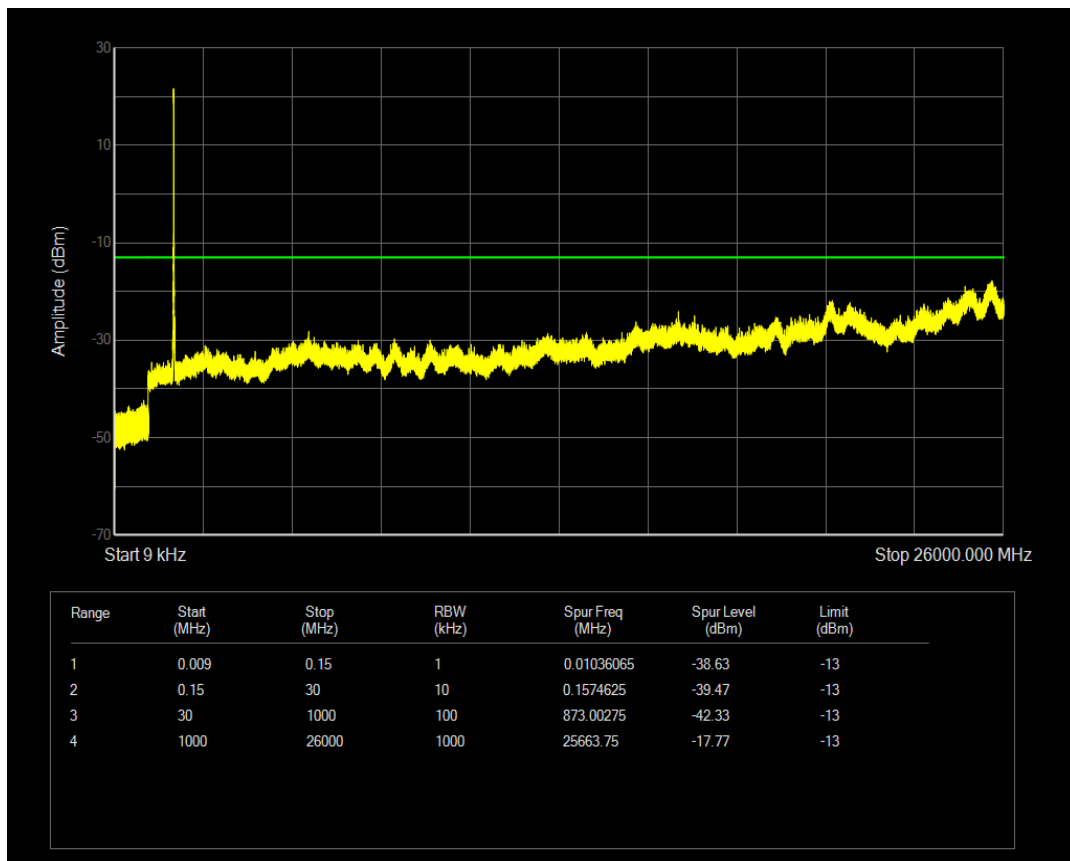


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

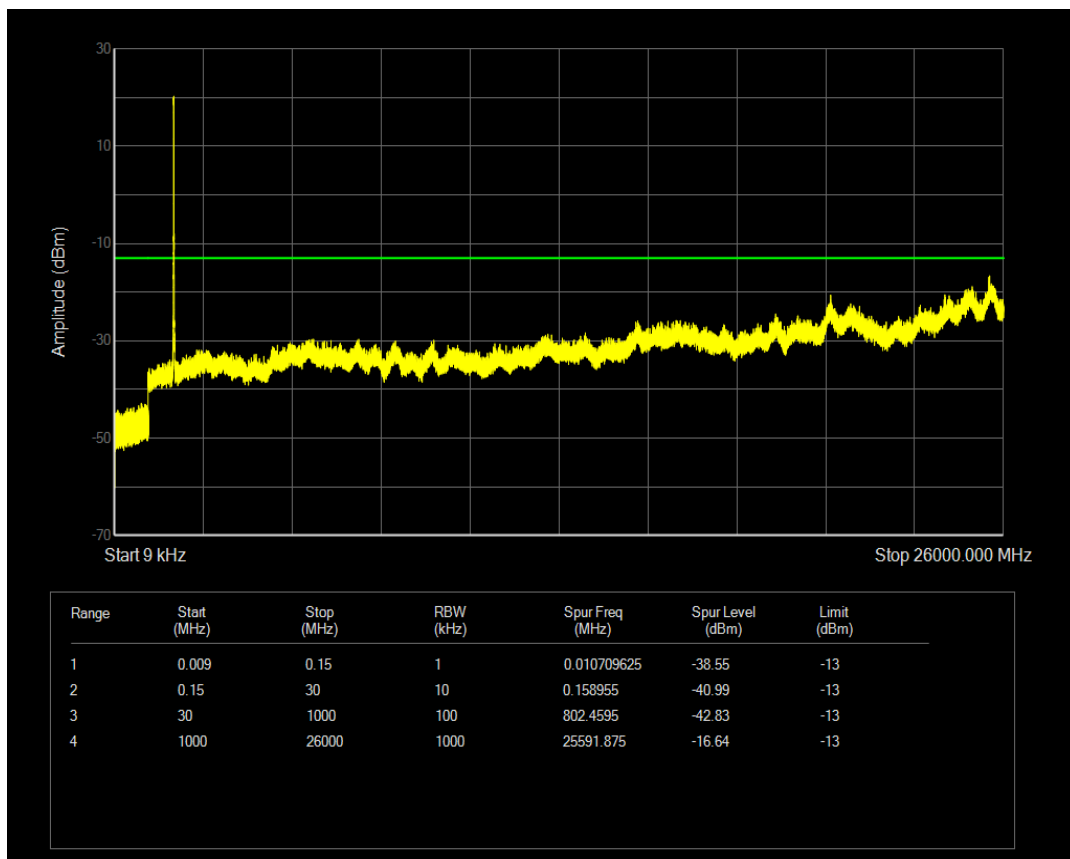


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

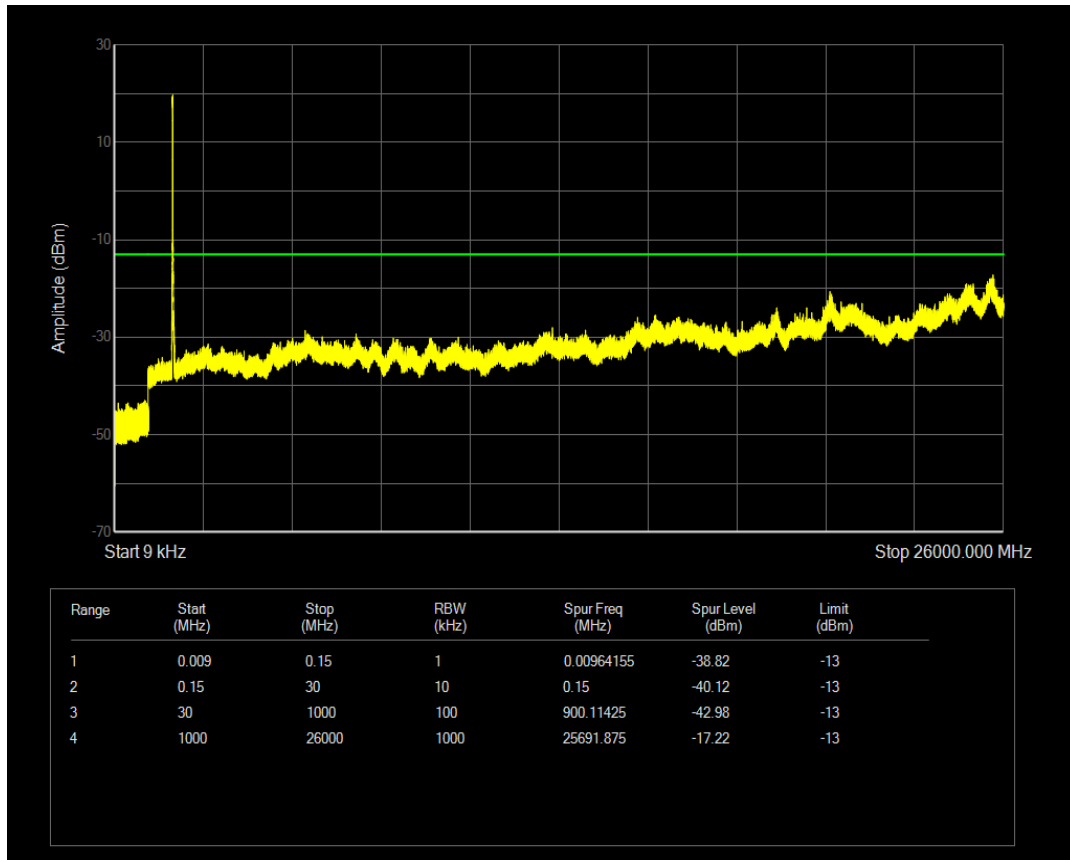




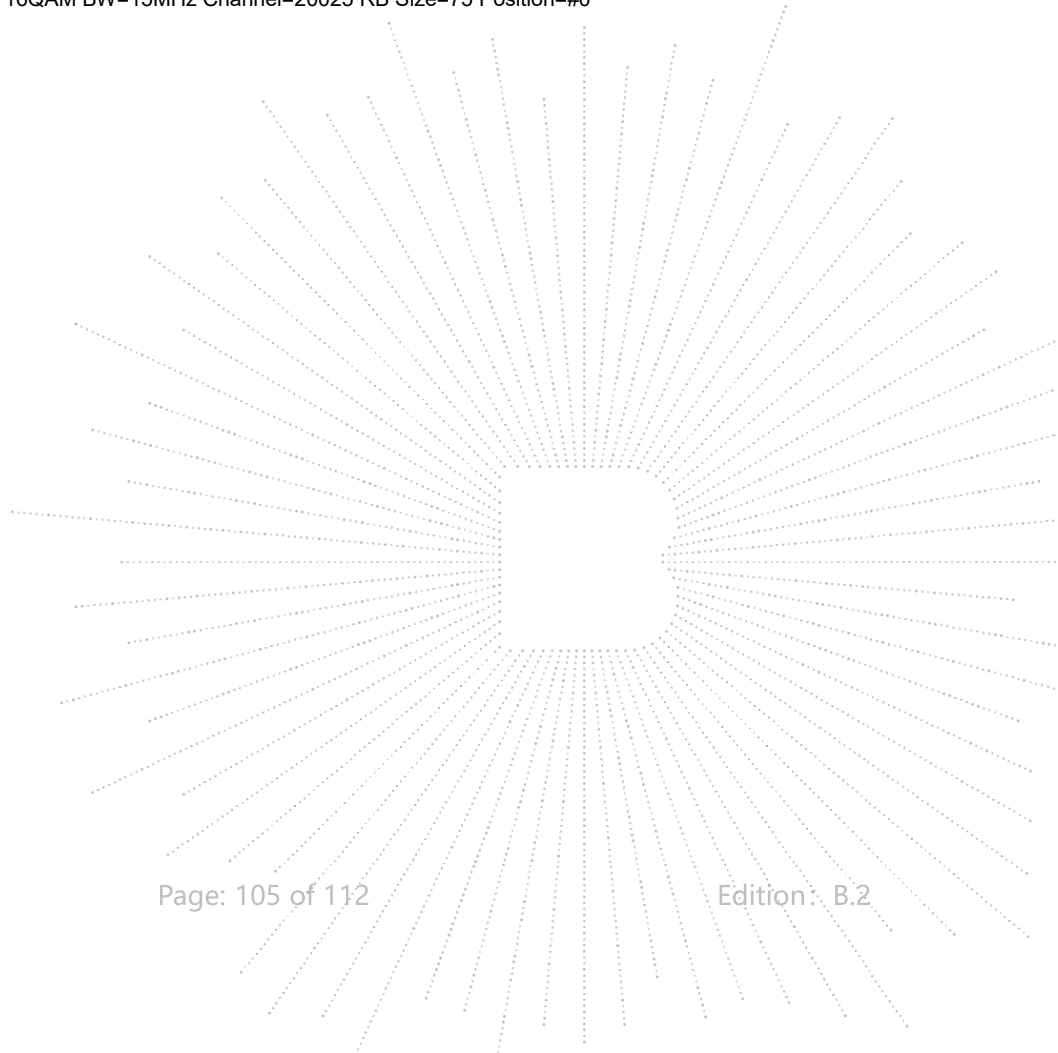
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

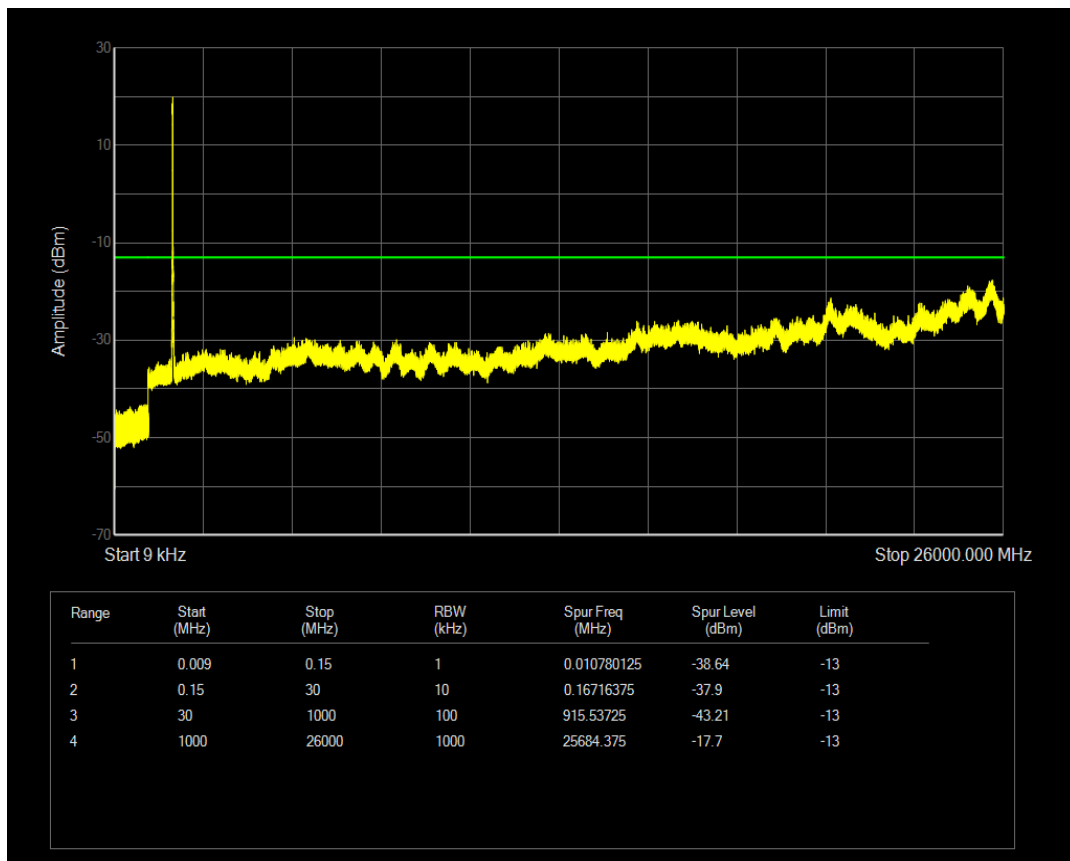


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

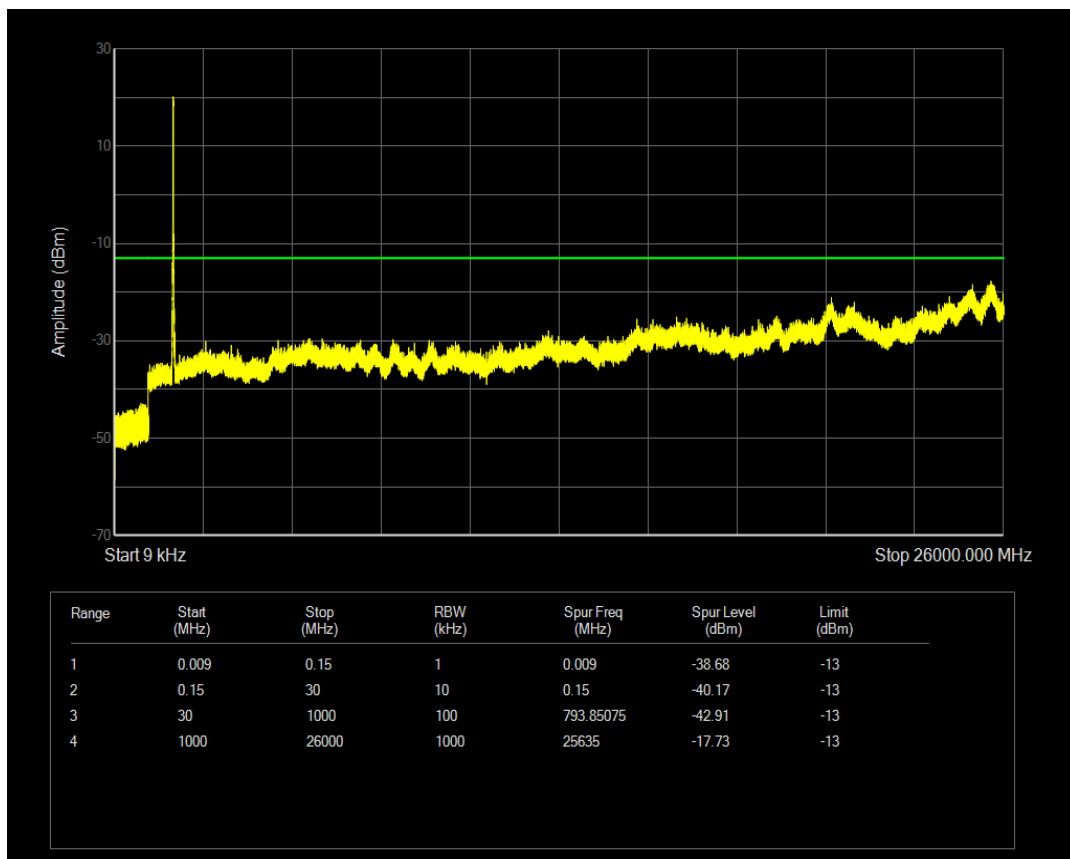


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



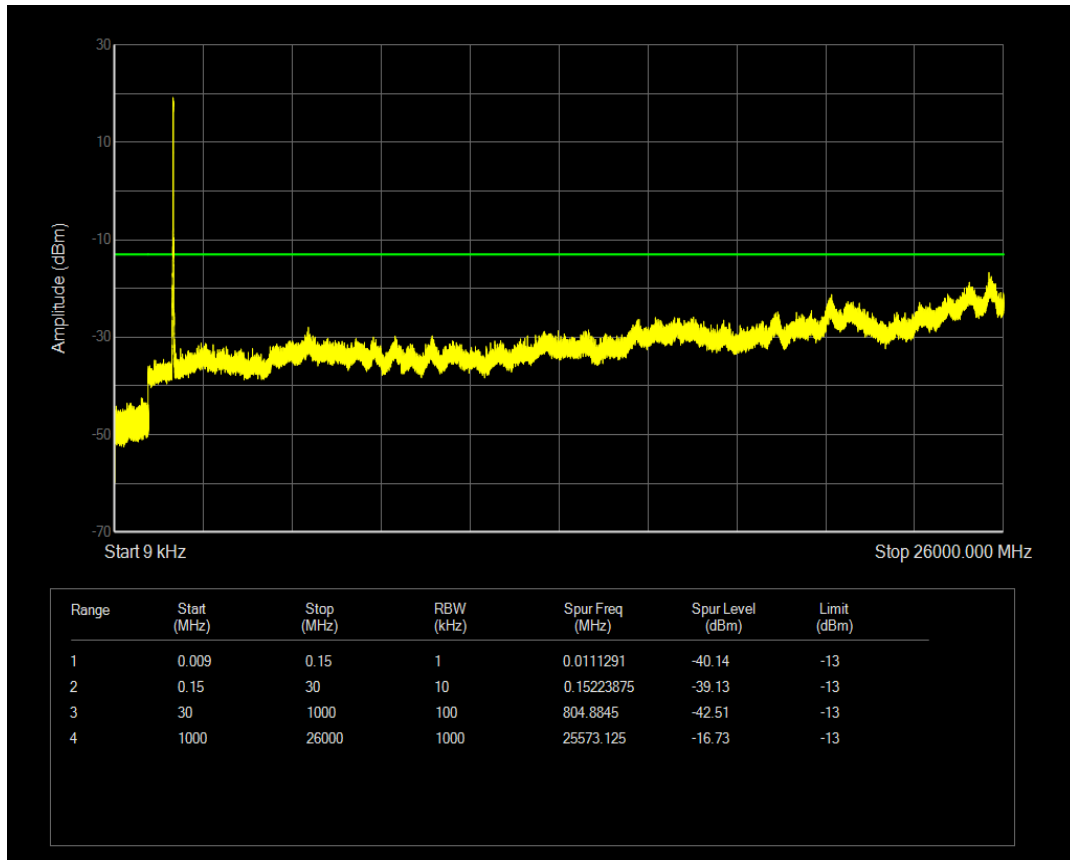


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

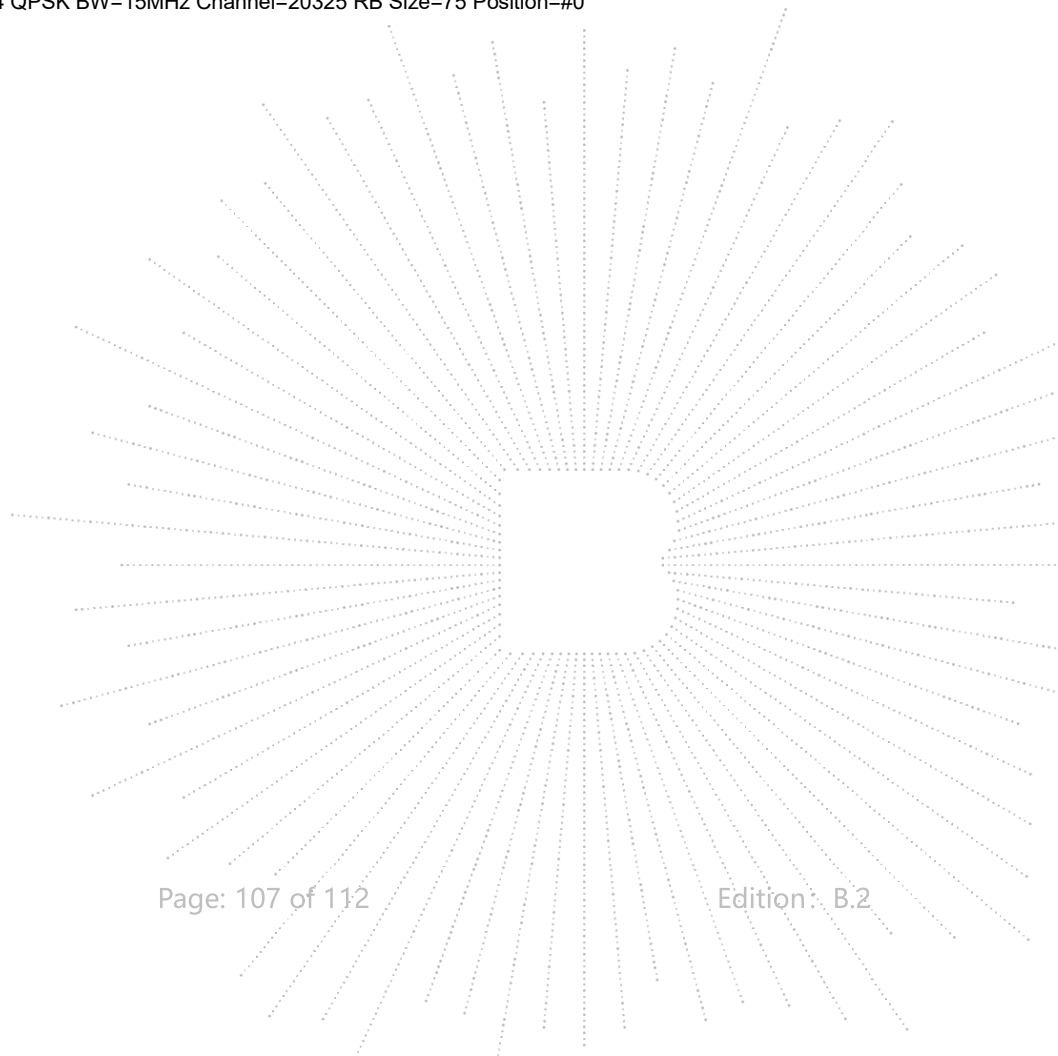


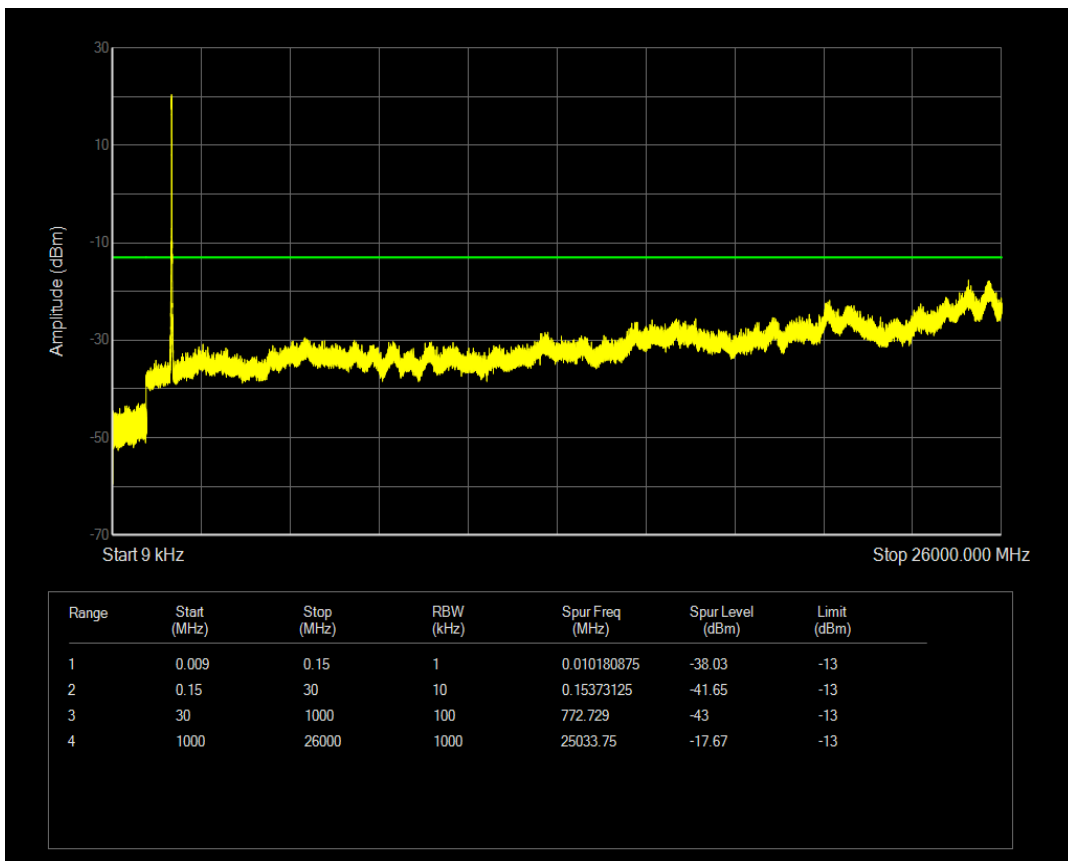


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

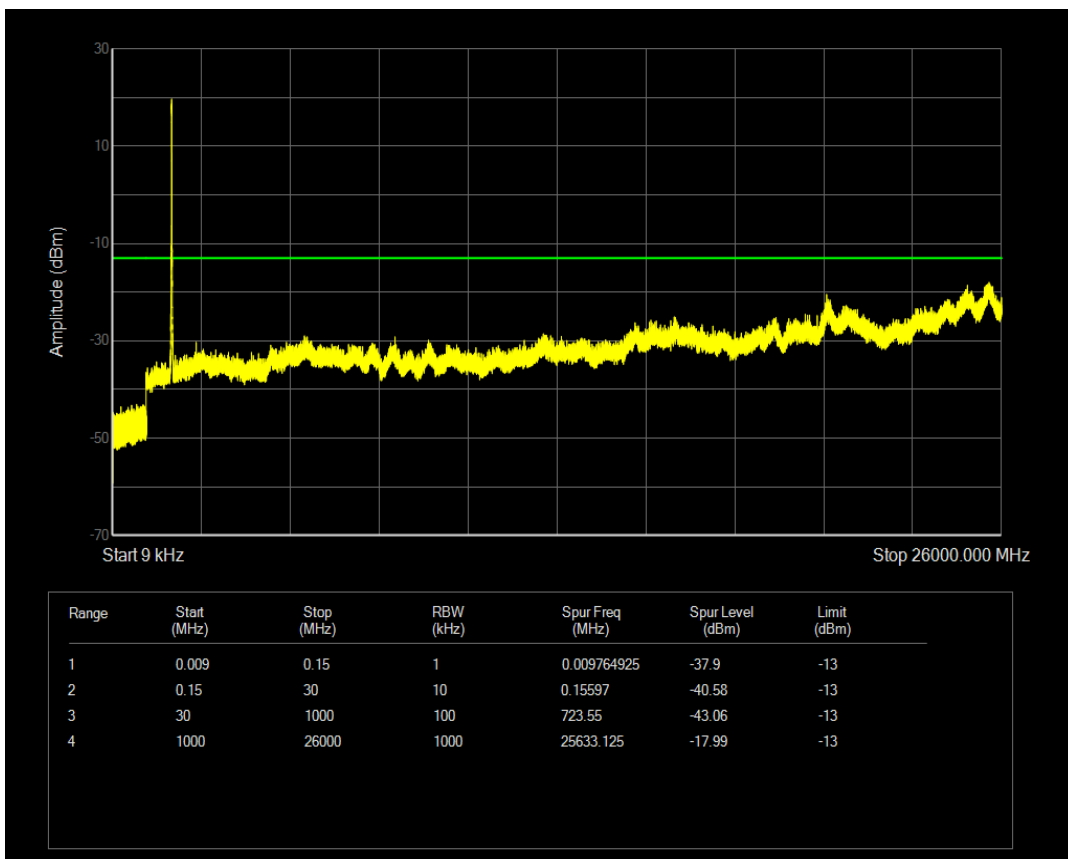


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



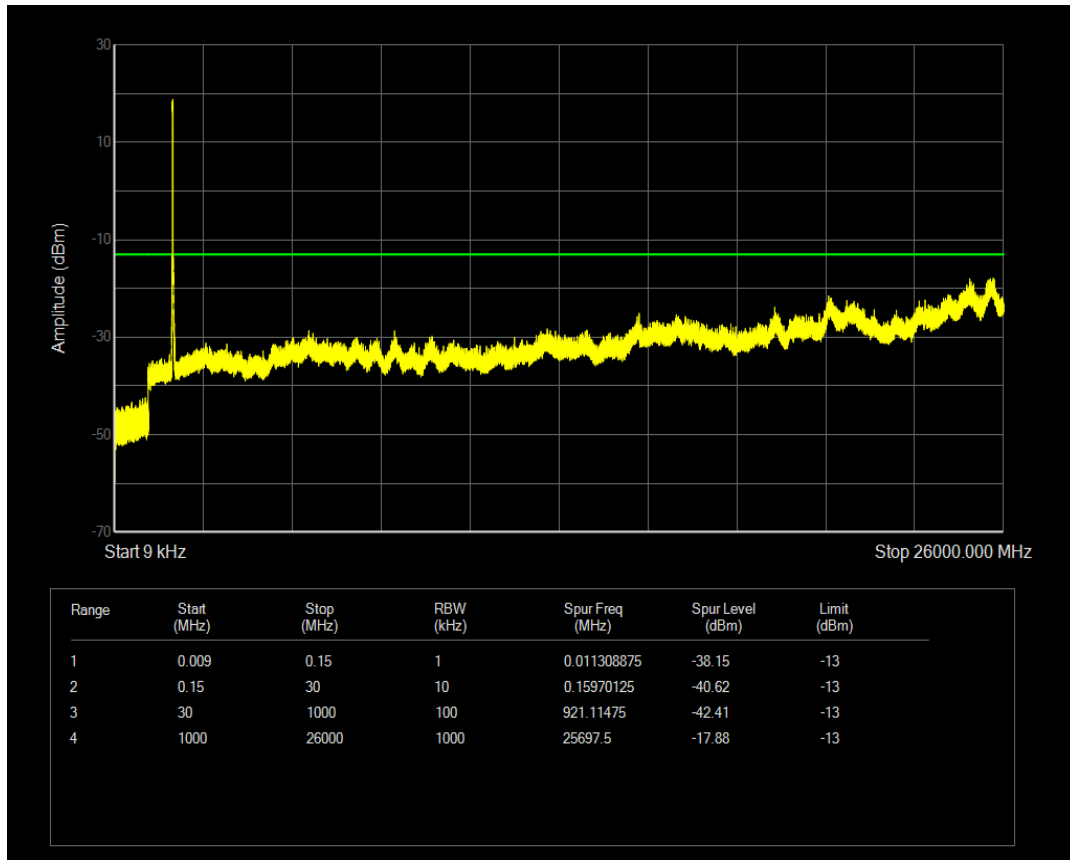


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

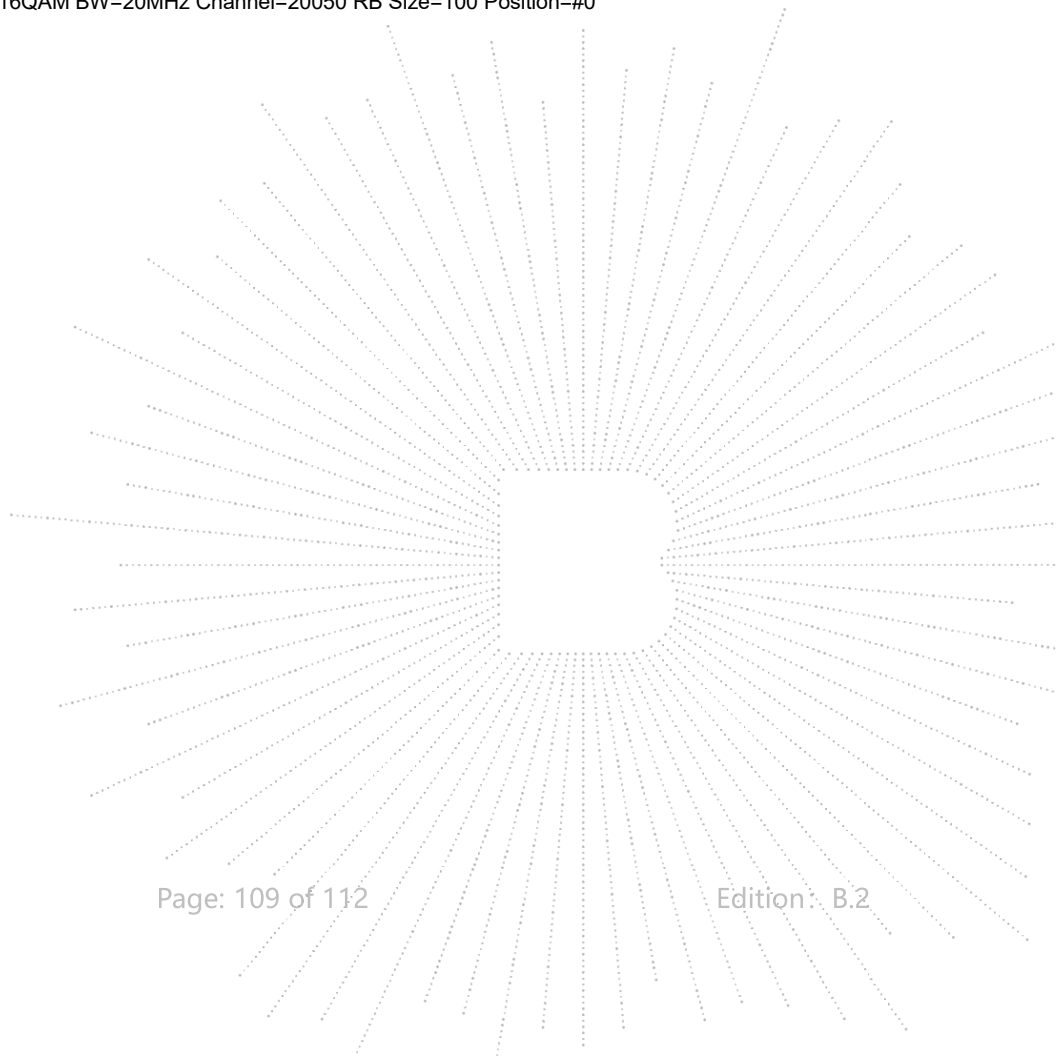


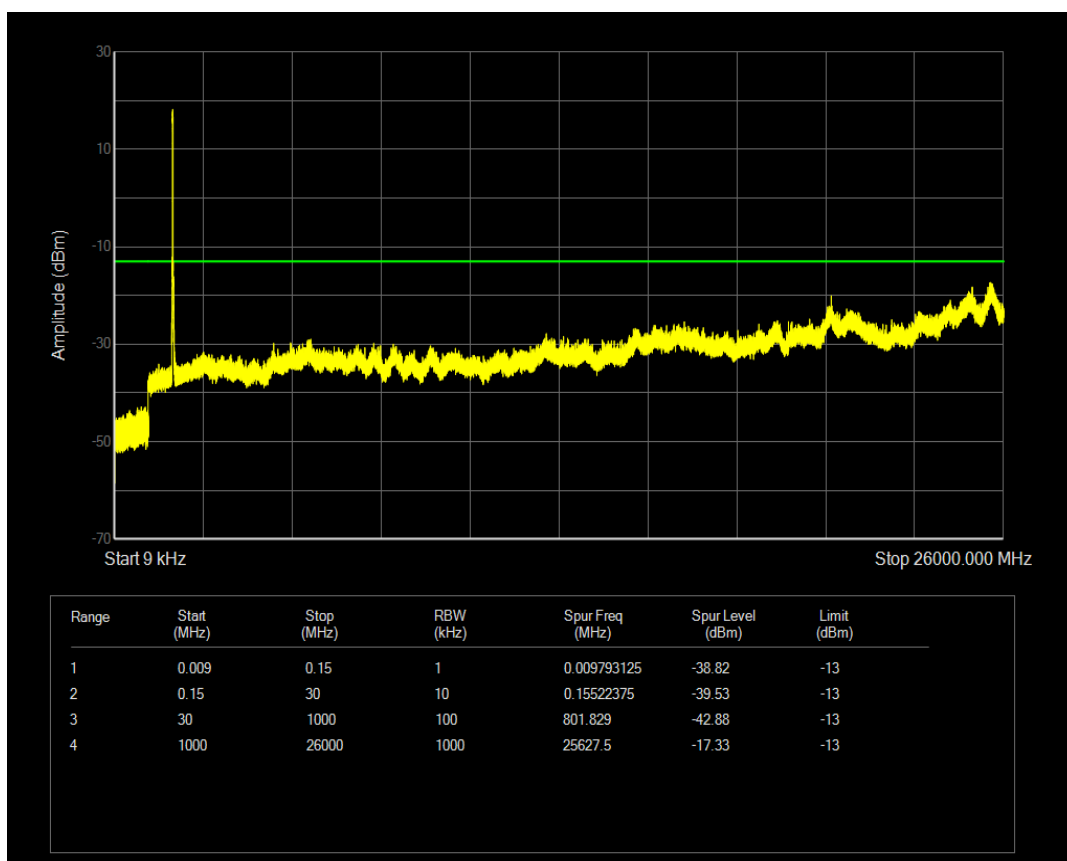


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

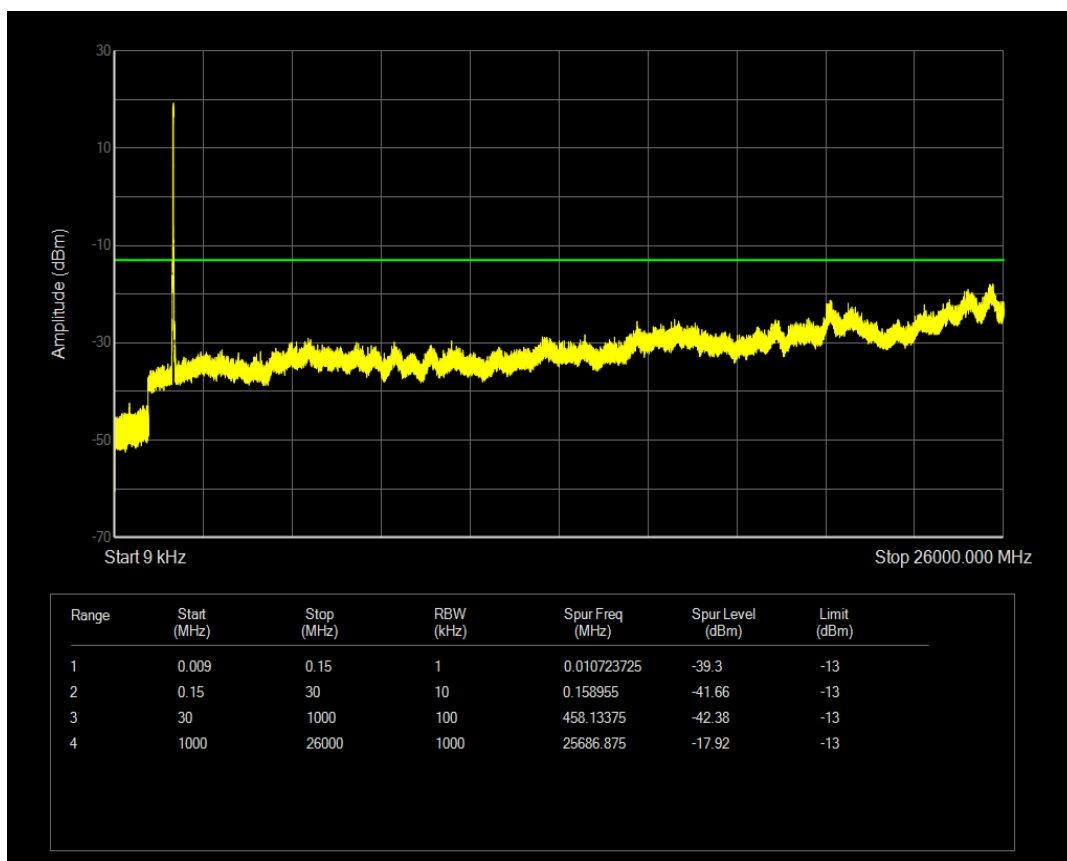


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

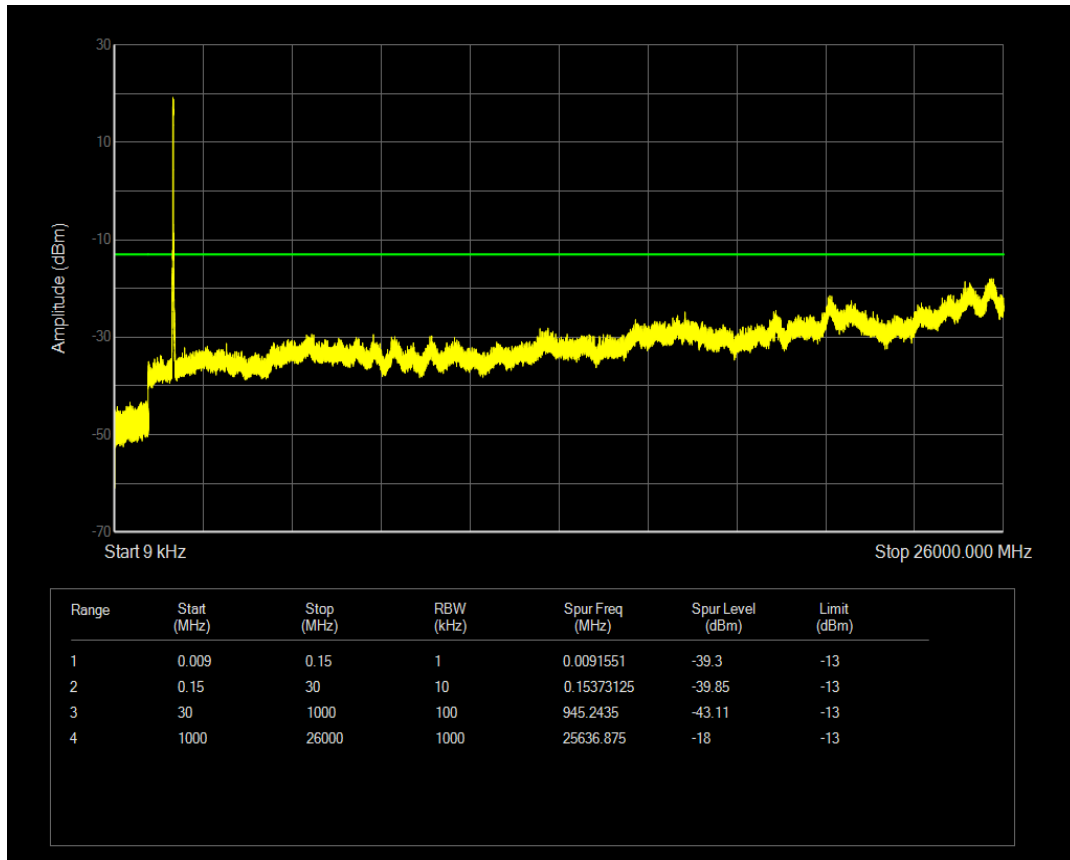




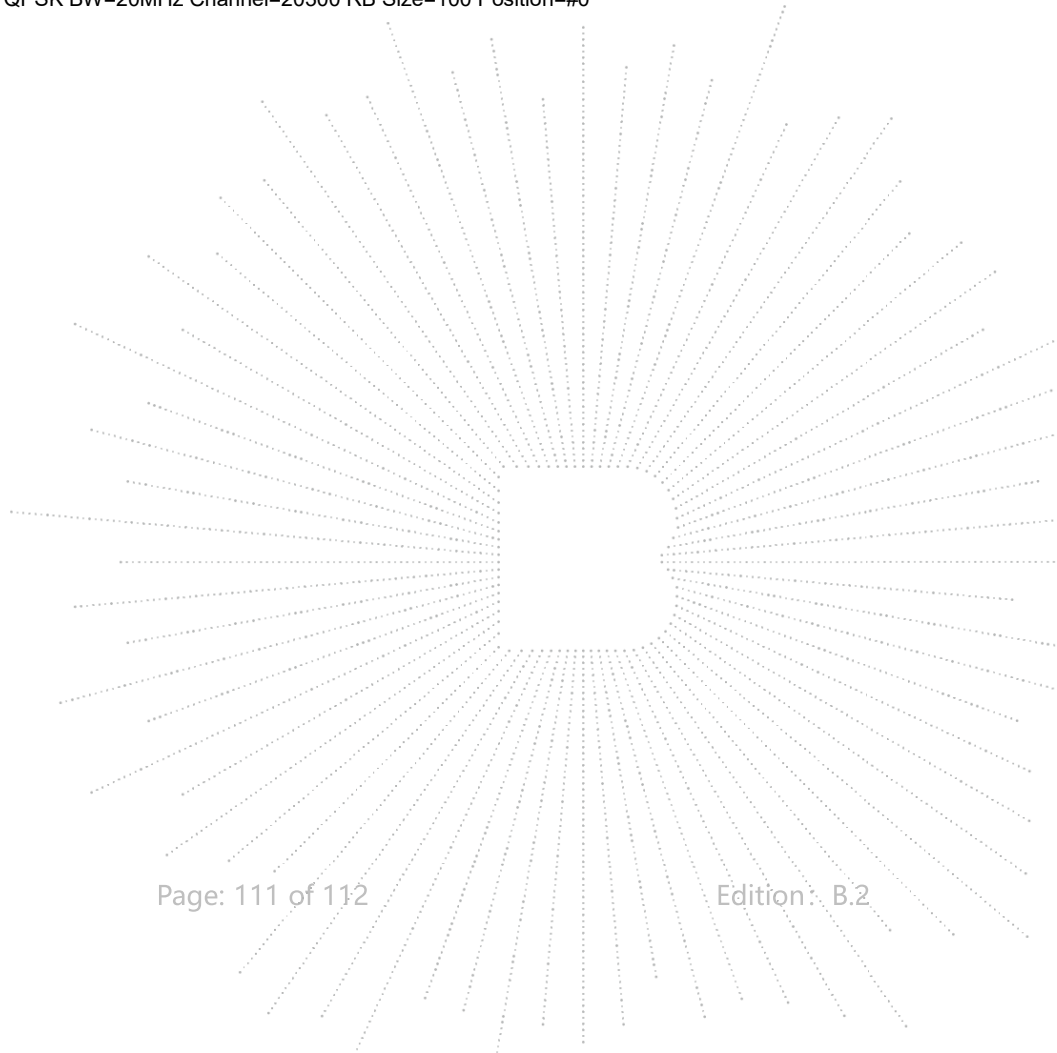
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

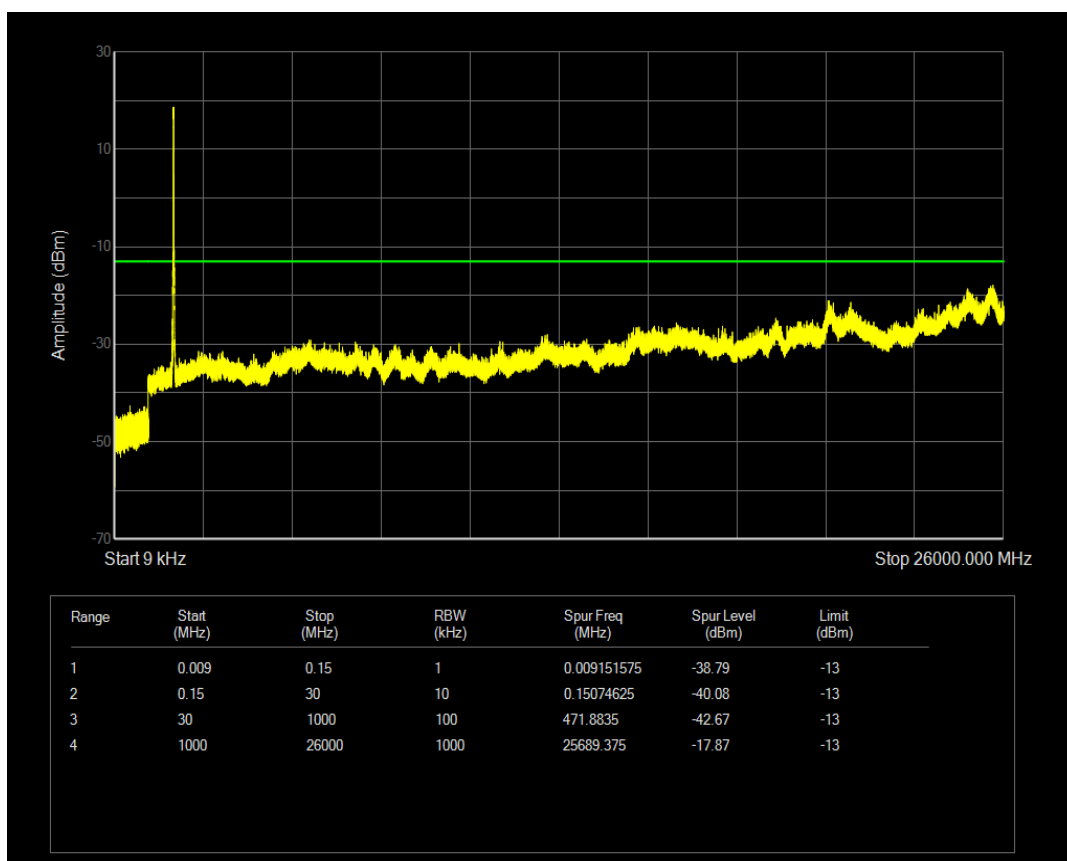


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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





Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

