

Appendix for Band 4

Report No.: BCTC2407326662-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart phone

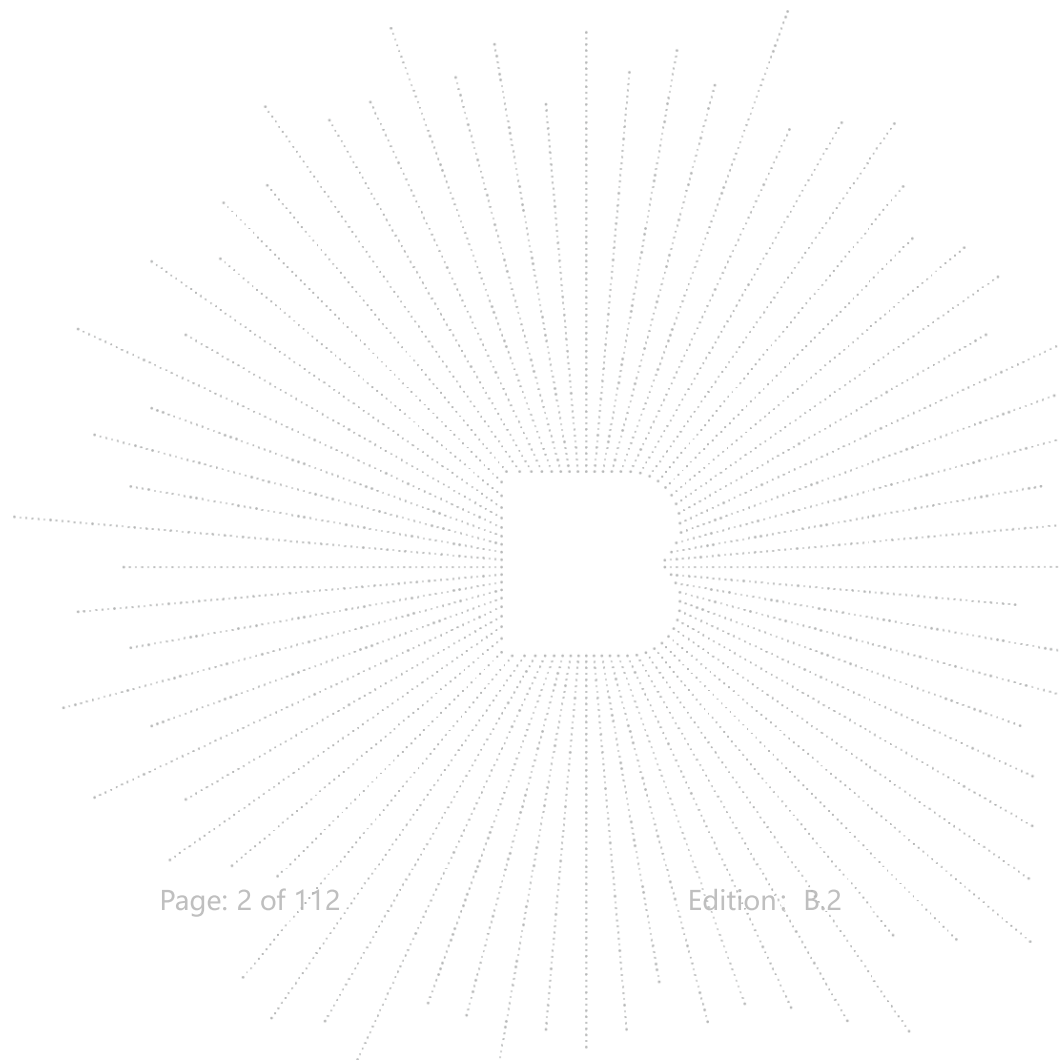
Test Model: S2

Tested Date: 2024-07-15 to 2024-08-12

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	22.81	0.34	23.15	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.02	0.34	23.36	PASS
Band4	1.4	19957	1	#Max	QPSK	22.84	0.34	23.18	PASS
Band4	1.4	19957	3	#0	QPSK	22.98	0.34	23.32	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.96	0.34	23.30	PASS
Band4	1.4	19957	3	#Max	QPSK	22.96	0.34	23.30	PASS
Band4	1.4	19957	6	#0	QPSK	21.83	0.34	22.17	PASS
Band4	1.4	19957	1	#0	16QAM	21.99	0.34	22.33	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.14	0.34	22.48	PASS
Band4	1.4	19957	1	#Max	16QAM	22.01	0.34	22.35	PASS
Band4	1.4	19957	3	#0	16QAM	22.13	0.34	22.47	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.15	0.34	22.49	PASS
Band4	1.4	19957	3	#Max	16QAM	22.17	0.34	22.51	PASS
Band4	1.4	19957	6	#0	16QAM	21.03	0.34	21.37	PASS
Band4	1.4	20175	1	#0	QPSK	22.89	0.34	23.23	PASS
Band4	1.4	20175	1	#Mid	QPSK	23.05	0.34	23.39	PASS
Band4	1.4	20175	1	#Max	QPSK	22.91	0.34	23.25	PASS
Band4	1.4	20175	3	#0	QPSK	23.02	0.34	23.36	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.97	0.34	23.31	PASS
Band4	1.4	20175	3	#Max	QPSK	22.98	0.34	23.32	PASS
Band4	1.4	20175	6	#0	QPSK	21.91	0.34	22.25	PASS
Band4	1.4	20175	1	#0	16QAM	21.78	0.34	22.12	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.90	0.34	22.24	PASS
Band4	1.4	20175	1	#Max	16QAM	21.75	0.34	22.09	PASS
Band4	1.4	20175	3	#0	16QAM	22.12	0.34	22.46	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.14	0.34	22.48	PASS
Band4	1.4	20175	3	#Max	16QAM	22.12	0.34	22.46	PASS
Band4	1.4	20175	6	#0	16QAM	21.08	0.34	21.42	PASS
Band4	1.4	20393	1	#0	QPSK	22.95	0.34	23.29	PASS
Band4	1.4	20393	1	#Mid	QPSK	23.11	0.34	23.45	PASS
Band4	1.4	20393	1	#Max	QPSK	22.93	0.34	23.27	PASS
Band4	1.4	20393	3	#0	QPSK	23.09	0.34	23.43	PASS
Band4	1.4	20393	3	#Mid	QPSK	23.07	0.34	23.41	PASS
Band4	1.4	20393	3	#Max	QPSK	23.06	0.34	23.40	PASS
Band4	1.4	20393	6	#0	QPSK	22.02	0.34	22.36	PASS

Band4	1.4	20393	1	#0	16QAM	22.10	0.34	22.44	PASS
Band4	1.4	20393	1	#Mid	16QAM	22.19	0.34	22.53	PASS
Band4	1.4	20393	1	#Max	16QAM	22.12	0.34	22.46	PASS
Band4	1.4	20393	3	#0	16QAM	22.21	0.34	22.55	PASS
Band4	1.4	20393	3	#Mid	16QAM	22.22	0.34	22.56	PASS
Band4	1.4	20393	3	#Max	16QAM	22.26	0.34	22.60	PASS
Band4	1.4	20393	6	#0	16QAM	21.14	0.34	21.48	PASS
Band4	3	19965	1	#0	QPSK	22.94	0.34	23.28	PASS
Band4	3	19965	1	#Mid	QPSK	23.21	0.34	23.55	PASS
Band4	3	19965	1	#Max	QPSK	22.95	0.34	23.29	PASS
Band4	3	19965	8	#0	QPSK	21.95	0.34	22.29	PASS
Band4	3	19965	8	#Mid	QPSK	22.00	0.34	22.34	PASS
Band4	3	19965	8	#Max	QPSK	21.96	0.34	22.30	PASS
Band4	3	19965	15	#0	QPSK	21.95	0.34	22.29	PASS
Band4	3	19965	1	#0	16QAM	22.39	0.34	22.73	PASS
Band4	3	19965	1	#Mid	16QAM	22.81	0.34	23.15	PASS
Band4	3	19965	1	#Max	16QAM	22.41	0.34	22.75	PASS
Band4	3	19965	8	#0	16QAM	21.00	0.34	21.34	PASS
Band4	3	19965	8	#Mid	16QAM	21.03	0.34	21.37	PASS
Band4	3	19965	8	#Max	16QAM	20.99	0.34	21.33	PASS
Band4	3	19965	15	#0	16QAM	21.00	0.34	21.34	PASS
Band4	3	20175	1	#0	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	1	#Mid	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	1	#Max	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	8	#0	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	8	#Mid	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	8	#Max	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	15	#0	QPSK	0.00	0.34	0.34	PASS
Band4	3	20175	1	#0	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	1	#Mid	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	1	#Max	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	8	#0	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	8	#Mid	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	8	#Max	16QAM	0.00	0.34	0.34	PASS
Band4	3	20175	15	#0	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	1	#0	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	1	#Mid	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	1	#Max	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	8	#0	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	8	#Mid	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	8	#Max	QPSK	0.00	0.34	0.34	PASS
Band4	3	20385	15	#0	QPSK	0.00	0.34	0.34	PASS

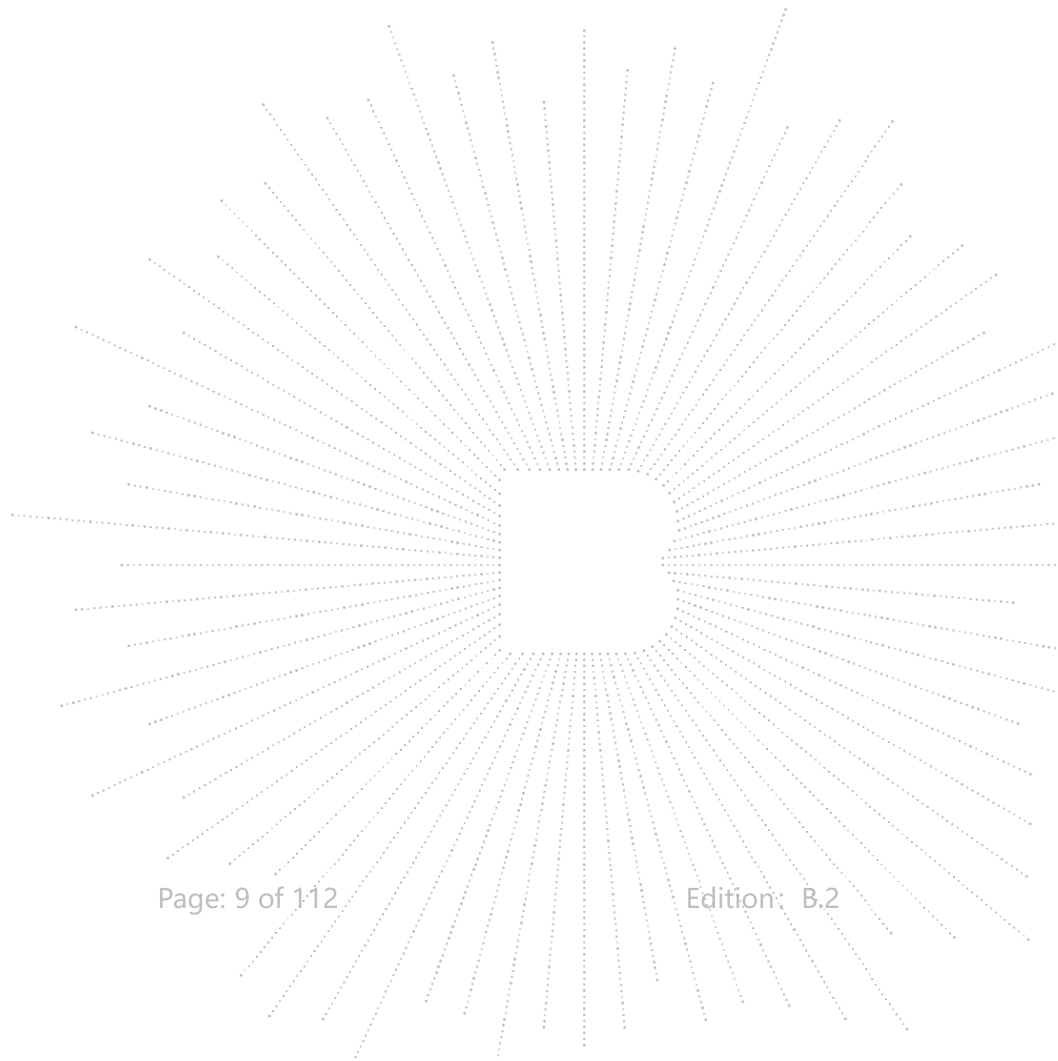
Band4	3	20385	1	#0	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	1	#Mid	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	1	#Max	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	8	#0	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	8	#Mid	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	8	#Max	16QAM	0.00	0.34	0.34	PASS
Band4	3	20385	15	#0	16QAM	0.00	0.34	0.34	PASS
Band4	5	19975	1	#0	QPSK	22.81	0.34	23.15	PASS
Band4	5	19975	1	#Mid	QPSK	23.24	0.34	23.58	PASS
Band4	5	19975	1	#Max	QPSK	22.82	0.34	23.16	PASS
Band4	5	19975	12	#0	QPSK	21.94	0.34	22.28	PASS
Band4	5	19975	12	#Mid	QPSK	21.97	0.34	22.31	PASS
Band4	5	19975	12	#Max	QPSK	21.89	0.34	22.23	PASS
Band4	5	19975	25	#0	QPSK	21.92	0.34	22.26	PASS
Band4	5	19975	1	#0	16QAM	22.30	0.34	22.64	PASS
Band4	5	19975	1	#Mid	16QAM	22.73	0.34	23.07	PASS
Band4	5	19975	1	#Max	16QAM	22.39	0.34	22.73	PASS
Band4	5	19975	12	#0	16QAM	20.93	0.34	21.27	PASS
Band4	5	19975	12	#Mid	16QAM	20.99	0.34	21.33	PASS
Band4	5	19975	12	#Max	16QAM	20.93	0.34	21.27	PASS
Band4	5	19975	25	#0	16QAM	20.90	0.34	21.24	PASS
Band4	5	20175	1	#0	QPSK	22.86	0.34	23.20	PASS
Band4	5	20175	1	#Mid	QPSK	23.29	0.34	23.63	PASS
Band4	5	20175	1	#Max	QPSK	22.82	0.34	23.16	PASS
Band4	5	20175	12	#0	QPSK	21.93	0.34	22.27	PASS
Band4	5	20175	12	#Mid	QPSK	22.02	0.34	22.36	PASS
Band4	5	20175	12	#Max	QPSK	21.93	0.34	22.27	PASS
Band4	5	20175	25	#0	QPSK	21.94	0.34	22.28	PASS
Band4	5	20175	1	#0	16QAM	22.22	0.34	22.56	PASS
Band4	5	20175	1	#Mid	16QAM	22.66	0.34	23.00	PASS
Band4	5	20175	1	#Max	16QAM	22.15	0.34	22.49	PASS
Band4	5	20175	12	#0	16QAM	20.88	0.34	21.22	PASS
Band4	5	20175	12	#Mid	16QAM	20.98	0.34	21.32	PASS
Band4	5	20175	12	#Max	16QAM	20.86	0.34	21.20	PASS
Band4	5	20175	25	#0	16QAM	20.98	0.34	21.32	PASS
Band4	5	20375	1	#0	QPSK	22.92	0.34	23.26	PASS
Band4	5	20375	1	#Mid	QPSK	23.30	0.34	23.64	PASS
Band4	5	20375	1	#Max	QPSK	22.90	0.34	23.24	PASS
Band4	5	20375	12	#0	QPSK	22.06	0.34	22.40	PASS
Band4	5	20375	12	#Mid	QPSK	22.07	0.34	22.41	PASS
Band4	5	20375	12	#Max	QPSK	21.98	0.34	22.32	PASS
Band4	5	20375	25	#0	QPSK	22.07	0.34	22.41	PASS

Band4	5	20375	1	#0	16QAM	22.39	0.34	22.73	PASS
Band4	5	20375	1	#Mid	16QAM	22.81	0.34	23.15	PASS
Band4	5	20375	1	#Max	16QAM	22.39	0.34	22.73	PASS
Band4	5	20375	12	#0	16QAM	21.03	0.34	21.37	PASS
Band4	5	20375	12	#Mid	16QAM	21.06	0.34	21.40	PASS
Band4	5	20375	12	#Max	16QAM	20.97	0.34	21.31	PASS
Band4	5	20375	25	#0	16QAM	0.00	0.34	0.34	PASS
Band4	10	20000	1	#0	QPSK	22.86	0.34	23.20	PASS
Band4	10	20000	1	#Mid	QPSK	23.11	0.34	23.45	PASS
Band4	10	20000	1	#Max	QPSK	22.94	0.34	23.28	PASS
Band4	10	20000	25	#0	QPSK	22.01	0.34	22.35	PASS
Band4	10	20000	25	#Mid	QPSK	22.04	0.34	22.38	PASS
Band4	10	20000	25	#Max	QPSK	22.00	0.34	22.34	PASS
Band4	10	20000	50	#0	QPSK	22.00	0.34	22.34	PASS
Band4	10	20000	1	#0	16QAM	21.99	0.34	22.33	PASS
Band4	10	20000	1	#Mid	16QAM	22.31	0.34	22.65	PASS
Band4	10	20000	1	#Max	16QAM	22.07	0.34	22.41	PASS
Band4	10	20000	25	#0	16QAM	21.01	0.34	21.35	PASS
Band4	10	20000	25	#Mid	16QAM	21.01	0.34	21.35	PASS
Band4	10	20000	25	#Max	16QAM	21.04	0.34	21.38	PASS
Band4	10	20000	50	#0	16QAM	21.09	0.34	21.43	PASS
Band4	10	20175	1	#0	QPSK	22.97	0.34	23.31	PASS
Band4	10	20175	1	#Mid	QPSK	23.12	0.34	23.46	PASS
Band4	10	20175	1	#Max	QPSK	22.93	0.34	23.27	PASS
Band4	10	20175	25	#0	QPSK	21.96	0.34	22.30	PASS
Band4	10	20175	25	#Mid	QPSK	22.04	0.34	22.38	PASS
Band4	10	20175	25	#Max	QPSK	21.99	0.34	22.33	PASS
Band4	10	20175	50	#0	QPSK	22.02	0.34	22.36	PASS
Band4	10	20175	1	#0	16QAM	21.87	0.34	22.21	PASS
Band4	10	20175	1	#Mid	16QAM	22.03	0.34	22.37	PASS
Band4	10	20175	1	#Max	16QAM	21.72	0.34	22.06	PASS
Band4	10	20175	25	#0	16QAM	21.01	0.34	21.35	PASS
Band4	10	20175	25	#Mid	16QAM	21.05	0.34	21.39	PASS
Band4	10	20175	25	#Max	16QAM	21.00	0.34	21.34	PASS
Band4	10	20175	50	#0	16QAM	21.00	0.34	21.34	PASS
Band4	10	20350	1	#0	QPSK	22.93	0.34	23.27	PASS
Band4	10	20350	1	#Mid	QPSK	23.17	0.34	23.51	PASS
Band4	10	20350	1	#Max	QPSK	22.92	0.34	23.26	PASS
Band4	10	20350	25	#0	QPSK	22.14	0.34	22.48	PASS
Band4	10	20350	25	#Mid	QPSK	22.06	0.34	22.40	PASS
Band4	10	20350	25	#Max	QPSK	21.97	0.34	22.31	PASS
Band4	10	20350	50	#0	QPSK	22.03	0.34	22.37	PASS

Band4	10	20350	1	#0	16QAM	22.26	0.34	22.60	PASS
Band4	10	20350	1	#Mid	16QAM	22.47	0.34	22.81	PASS
Band4	10	20350	1	#Max	16QAM	22.32	0.34	22.66	PASS
Band4	10	20350	25	#0	16QAM	21.12	0.34	21.46	PASS
Band4	10	20350	25	#Mid	16QAM	21.09	0.34	21.43	PASS
Band4	10	20350	25	#Max	16QAM	21.00	0.34	21.34	PASS
Band4	10	20350	50	#0	16QAM	21.06	0.34	21.40	PASS
Band4	15	20025	1	#0	QPSK	22.71	0.34	23.05	PASS
Band4	15	20025	1	#Mid	QPSK	23.12	0.34	23.46	PASS
Band4	15	20025	1	#Max	QPSK	22.79	0.34	23.13	PASS
Band4	15	20025	36	#0	QPSK	21.99	0.34	22.33	PASS
Band4	15	20025	36	#Mid	QPSK	22.02	0.34	22.36	PASS
Band4	15	20025	36	#Max	QPSK	21.94	0.34	22.28	PASS
Band4	15	20025	75	#0	QPSK	21.97	0.34	22.31	PASS
Band4	15	20025	1	#0	16QAM	21.86	0.34	22.20	PASS
Band4	15	20025	1	#Mid	16QAM	22.51	0.34	22.85	PASS
Band4	15	20025	1	#Max	16QAM	21.95	0.34	22.29	PASS
Band4	15	20025	36	#0	16QAM	21.01	0.34	21.35	PASS
Band4	15	20025	36	#Mid	16QAM	21.05	0.34	21.39	PASS
Band4	15	20025	36	#Max	16QAM	21.03	0.34	21.37	PASS
Band4	15	20025	75	#0	16QAM	20.95	0.34	21.29	PASS
Band4	15	20175	1	#0	QPSK	22.82	0.34	23.16	PASS
Band4	15	20175	1	#Mid	QPSK	23.17	0.34	23.51	PASS
Band4	15	20175	1	#Max	QPSK	22.80	0.34	23.14	PASS
Band4	15	20175	36	#0	QPSK	21.90	0.34	22.24	PASS
Band4	15	20175	36	#Mid	QPSK	21.99	0.34	22.33	PASS
Band4	15	20175	36	#Max	QPSK	21.94	0.34	22.28	PASS
Band4	15	20175	75	#0	QPSK	21.96	0.34	22.30	PASS
Band4	15	20175	1	#0	16QAM	21.92	0.34	22.26	PASS
Band4	15	20175	1	#Mid	16QAM	22.32	0.34	22.66	PASS
Band4	15	20175	1	#Max	16QAM	21.83	0.34	22.17	PASS
Band4	15	20175	36	#0	16QAM	20.81	0.34	21.15	PASS
Band4	15	20175	36	#Mid	16QAM	20.92	0.34	21.26	PASS
Band4	15	20175	36	#Max	16QAM	20.87	0.34	21.21	PASS
Band4	15	20175	75	#0	16QAM	20.95	0.34	21.29	PASS
Band4	15	20325	1	#0	QPSK	22.76	0.34	23.10	PASS
Band4	15	20325	1	#Mid	QPSK	23.23	0.34	23.57	PASS
Band4	15	20325	1	#Max	QPSK	22.77	0.34	23.11	PASS
Band4	15	20325	36	#0	QPSK	22.09	0.34	22.43	PASS
Band4	15	20325	36	#Mid	QPSK	22.12	0.34	22.46	PASS
Band4	15	20325	36	#Max	QPSK	21.97	0.34	22.31	PASS
Band4	15	20325	75	#0	QPSK	22.07	0.34	22.41	PASS

Band4	15	20325	1	#0	16QAM	22.16	0.34	22.50	PASS
Band4	15	20325	1	#Mid	16QAM	22.62	0.34	22.96	PASS
Band4	15	20325	1	#Max	16QAM	22.19	0.34	22.53	PASS
Band4	15	20325	36	#0	16QAM	21.05	0.34	21.39	PASS
Band4	15	20325	36	#Mid	16QAM	21.05	0.34	21.39	PASS
Band4	15	20325	36	#Max	16QAM	20.94	0.34	21.28	PASS
Band4	15	20325	75	#0	16QAM	21.00	0.34	21.34	PASS
Band4	20	20050	1	#0	QPSK	22.53	0.34	22.87	PASS
Band4	20	20050	1	#Mid	QPSK	23.09	0.34	23.43	PASS
Band4	20	20050	1	#Max	QPSK	22.65	0.34	22.99	PASS
Band4	20	20050	50	#0	QPSK	22.01	0.34	22.35	PASS
Band4	20	20050	50	#Mid	QPSK	22.01	0.34	22.35	PASS
Band4	20	20050	50	#Max	QPSK	21.99	0.34	22.33	PASS
Band4	20	20050	100	#0	QPSK	22.01	0.34	22.35	PASS
Band4	20	20050	1	#0	16QAM	21.91	0.34	22.25	PASS
Band4	20	20050	1	#Mid	16QAM	22.46	0.34	22.80	PASS
Band4	20	20050	1	#Max	16QAM	21.99	0.34	22.33	PASS
Band4	20	20050	50	#0	16QAM	21.06	0.34	21.40	PASS
Band4	20	20050	50	#Mid	16QAM	21.07	0.34	21.41	PASS
Band4	20	20050	50	#Max	16QAM	21.05	0.34	21.39	PASS
Band4	20	20050	100	#0	16QAM	21.04	0.34	21.38	PASS
Band4	20	20175	1	#0	QPSK	22.69	0.34	23.03	PASS
Band4	20	20175	1	#Mid	QPSK	23.14	0.34	23.48	PASS
Band4	20	20175	1	#Max	QPSK	22.71	0.34	23.05	PASS
Band4	20	20175	50	#0	QPSK	21.87	0.34	22.21	PASS
Band4	20	20175	50	#Mid	QPSK	21.98	0.34	22.32	PASS
Band4	20	20175	50	#Max	QPSK	21.87	0.34	22.21	PASS
Band4	20	20175	100	#0	QPSK	21.87	0.34	22.21	PASS
Band4	20	20175	1	#0	16QAM	22.02	0.34	22.36	PASS
Band4	20	20175	1	#Mid	16QAM	22.31	0.34	22.65	PASS
Band4	20	20175	1	#Max	16QAM	21.87	0.34	22.21	PASS
Band4	20	20175	50	#0	16QAM	20.87	0.34	21.21	PASS
Band4	20	20175	50	#Mid	16QAM	20.97	0.34	21.31	PASS
Band4	20	20175	50	#Max	16QAM	20.87	0.34	21.21	PASS
Band4	20	20175	100	#0	16QAM	20.90	0.34	21.24	PASS
Band4	20	20300	1	#0	QPSK	22.61	0.34	22.95	PASS
Band4	20	20300	1	#Mid	QPSK	23.10	0.34	23.44	PASS
Band4	20	20300	1	#Max	QPSK	22.69	0.34	23.03	PASS
Band4	20	20300	50	#0	QPSK	22.05	0.34	22.39	PASS
Band4	20	20300	50	#Mid	QPSK	21.99	0.34	22.33	PASS
Band4	20	20300	50	#Max	QPSK	21.80	0.34	22.14	PASS
Band4	20	20300	100	#0	QPSK	21.95	0.34	22.29	PASS

Band4	20	20300	1	#0	16QAM	21.87	0.34	22.21	PASS
Band4	20	20300	1	#Mid	16QAM	22.24	0.34	22.58	PASS
Band4	20	20300	1	#Max	16QAM	21.91	0.34	22.25	PASS
Band4	20	20300	50	#0	16QAM	21.11	0.34	21.45	PASS
Band4	20	20300	50	#Mid	16QAM	21.06	0.34	21.40	PASS
Band4	20	20300	50	#Max	16QAM	20.86	0.34	21.20	PASS
Band4	20	20300	100	#0	16QAM	20.98	0.34	21.32	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	-7.61	-0.004	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-14.08	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-10.36	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-13.99	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-7.54	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-12.23	-0.007	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-1.16	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-3.10	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-4.58	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-2.13	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-4.36	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-1.72	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-13.06	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-23.06	-0.013	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-21.60	-0.012	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-22.53	-0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-19.97	-0.011	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-17.50	-0.010	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-15.55	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-15.84	-0.009	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-15.51	-0.009	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-16.44	-0.010	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-15.58	-0.009	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-13.38	-0.008	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-6.49	-0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-2.15	-0.001	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	1.80	0.001	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-5.39	-0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-6.34	-0.004	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-7.72	-0.004	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-8.58	-0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-11.92	-0.007	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-8.38	-0.005	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-15.49	-0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-14.09	-0.008	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-6.18	-0.004	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-8.03	-0.005	PASS

Band4	5	19975	25	#0	QPSK	NV	NT	-7.27	-0.004	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	-3.35	-0.002	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-6.01	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-4.25	-0.002	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-2.60	-0.002	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-0.20	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-4.98	-0.003	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-6.22	-0.004	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-3.02	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-0.30	0.000	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-2.72	-0.002	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-8.80	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-8.54	-0.005	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-5.81	-0.003	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-7.07	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	29.28	0.017	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	3.45	0.002	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-6.34	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-7.11	-0.004	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-6.27	-0.004	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-3.95	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-4.84	-0.003	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-4.12	-0.002	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-6.42	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-9.26	-0.005	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-7.54	-0.004	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	-2.66	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	-1.72	-0.001	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	-1.82	-0.001	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-7.88	-0.005	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-9.84	-0.006	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-5.22	-0.003	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	-4.73	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	-5.69	-0.003	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	-3.68	-0.002	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-2.52	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-3.18	-0.002	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-5.85	-0.003	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-6.41	-0.004	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-3.65	-0.002	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-6.67	-0.004	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-3.13	-0.002	PASS

Band4	15	20175	75	#0	QPSK	NV	NT	-3.29	-0.002	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-3.69	-0.002	PASS
Band4	15	20175	75	#0	16QAM	LV	NT	-3.93	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	-4.06	-0.002	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	-6.92	-0.004	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-6.31	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-5.02	-0.003	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-1.69	-0.001	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	-6.59	-0.004	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	-7.90	-0.005	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	-7.85	-0.004	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-7.42	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-5.46	-0.003	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-5.08	-0.003	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-6.04	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	-5.06	-0.003	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-6.61	-0.004	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-13.90	-0.008	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-3.95	-0.002	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-0.56	0.000	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-5.85	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	-5.29	-0.003	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	-4.96	-0.003	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-2.86	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-7.88	-0.005	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-5.91	-0.003	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	-5.06	-0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	-8.00	-0.005	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	-4.52	-0.003	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	-7.20	-0.004	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-11.20	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-18.88	-0.011	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-12.83	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-9.26	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-9.38	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-12.12	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-11.40	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-10.53	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-10.77	-0.006	PASS

Band4	1.4	19957	6	#0	16QAM	NV	-20	-1.77	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-9.58	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-8.00	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-12.26	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-7.54	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-7.11	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-5.87	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-5.84	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-4.16	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-6.72	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-4.76	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-2.78	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-1.65	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-8.11	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-6.47	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-8.18	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-10.66	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	-2.27	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-9.86	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-6.48	-0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-7.40	-0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-10.44	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-2.75	-0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-10.56	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	0.77	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	3.19	0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	0.37	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-0.69	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-3.69	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-10.96	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-6.87	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-2.10	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-7.17	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-4.23	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-0.84	0.000	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-4.53	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-15.75	-0.009	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	-7.85	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-10.11	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-10.76	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-8.11	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	0.60	0.000	PASS

Band4	1.4	20393	6	#0	16QAM	NV	40	-5.19	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-8.73	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	8.23	0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	1.46	0.001	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	-7.81	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-5.99	-0.003	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-0.63	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-3.82	-0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-3.88	-0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	40	0.46	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-2.92	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	3.62	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	-3.32	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	0.14	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	0	-2.22	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-4.05	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	20	3.00	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	30	4.48	0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	40	0.66	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-4.98	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	2.29	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-3.50	-0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-5.39	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-3.71	-0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	10	-13.89	-0.008	PASS
Band4	3	20175	15	#0	QPSK	NV	20	-2.19	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-5.38	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-0.10	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-11.64	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-5.41	-0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-12.29	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	-7.91	-0.005	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-11.83	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	10	-2.86	-0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-2.65	-0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	30	-3.73	-0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	40	3.95	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	50	-0.90	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-13.53	-0.008	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-22.02	-0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-15.52	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	0	-15.68	-0.009	PASS

Band4	3	20385	15	#0	QPSK	NV	10	-11.97	-0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-13.95	-0.008	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-12.85	-0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-11.44	-0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	50	-9.08	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	-11.26	-0.006	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-9.16	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	-8.68	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-7.41	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-5.54	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-8.44	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	30	-6.44	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-7.90	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-5.72	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-6.81	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-5.18	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	0.26	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-1.27	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-3.45	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-4.85	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-3.35	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-2.46	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-6.19	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-2.63	-0.002	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	-2.03	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	-7.78	-0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	0	-4.09	-0.002	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-5.26	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-4.49	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-2.05	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	40	-5.87	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-2.10	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-5.69	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-8.98	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	-7.40	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	0	-6.78	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	10	-7.05	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	20	-3.79	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-5.82	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-8.25	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	50	-9.11	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-5.28	-0.003	PASS

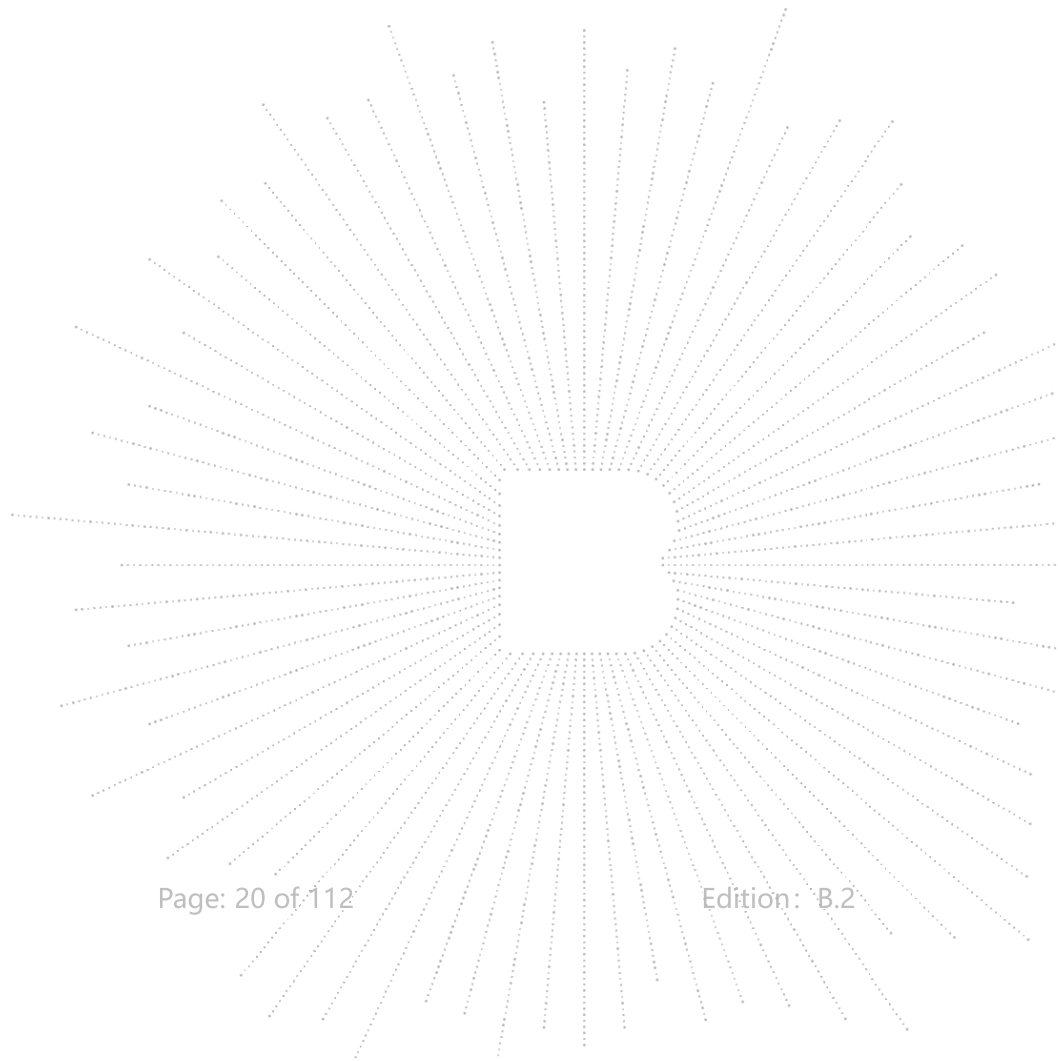
Band4	5	20175	25	#0	16QAM	NV	-20	-2.07	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	-1.07	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-4.56	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	10	-1.62	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	20	-0.10	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-1.75	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-3.46	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	50	-4.52	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-8.07	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-8.25	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	-14.68	-0.008	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-8.65	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-3.12	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-6.35	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-14.41	-0.008	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-5.02	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	50	-7.60	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-4.91	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-4.72	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	-11.37	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-11.12	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-11.93	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-9.06	-0.005	PASS
Band4	5	20375	25	#0	16QAM	NV	30	0.07	0.000	PASS
Band4	5	20375	25	#0	16QAM	NV	40	0.00	0.000	PASS
Band4	5	20375	25	#0	16QAM	NV	50	0.00	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-9.56	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-8.33	-0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-11.07	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-8.08	-0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-10.04	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-8.53	-0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-6.34	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-4.12	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-4.55	-0.003	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	-8.07	-0.005	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	-3.88	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	-6.82	-0.004	PASS
Band4	10	20000	50	#0	16QAM	NV	0	-10.44	-0.006	PASS
Band4	10	20000	50	#0	16QAM	NV	10	-9.06	-0.005	PASS
Band4	10	20000	50	#0	16QAM	NV	20	-10.29	-0.006	PASS
Band4	10	20000	50	#0	16QAM	NV	30	-8.80	-0.005	PASS

Band4	10	20000	50	#0	16QAM	NV	40	-6.52	-0.004	PASS
Band4	10	20000	50	#0	16QAM	NV	50	-5.32	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-4.55	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-3.40	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-5.68	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-5.92	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-5.92	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	20	-9.37	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-8.38	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-7.97	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-5.58	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	-8.47	-0.005	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	-3.52	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	-10	-3.36	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	0	-1.37	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	10	-5.31	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	20	-4.48	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	30	-1.83	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	40	-4.65	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	50	-6.81	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-6.31	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-7.80	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-4.03	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-7.77	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-3.78	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-5.44	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-7.12	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-4.58	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-3.33	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	-5.04	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	-8.55	-0.005	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	-3.45	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	0	-4.36	-0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	10	-5.44	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	20	-1.99	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	30	-1.47	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	40	-5.89	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	50	-2.26	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-11.19	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-12.42	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-12.02	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-13.12	-0.008	PASS

Band4	15	20025	75	#0	QPSK	NV	10	-7.68	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-8.35	-0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-4.39	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-10.19	-0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-9.07	-0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	-8.90	-0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	-10.40	-0.006	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	-4.91	-0.003	PASS
Band4	15	20025	75	#0	16QAM	NV	0	-6.17	-0.004	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-9.04	-0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	20	-9.00	-0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	30	-7.14	-0.004	PASS
Band4	15	20025	75	#0	16QAM	NV	40	-6.71	-0.004	PASS
Band4	15	20025	75	#0	16QAM	NV	50	-8.00	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-1.77	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-7.02	-0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	-5.76	-0.003	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-4.75	-0.003	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-6.09	-0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-8.24	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-2.73	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	40	26.04	0.015	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-3.06	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	-3.65	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	-1.75	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	-4.12	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	0	-2.32	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	10	-4.78	-0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	20	-4.51	-0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	30	-8.23	-0.005	PASS
Band4	15	20175	75	#0	16QAM	NV	40	-4.01	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	50	-4.96	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-7.48	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-5.72	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-7.08	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-7.82	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-9.28	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	20	-5.72	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-6.44	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-8.47	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-6.09	-0.003	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	-6.69	-0.004	PASS

Band4	15	20325	75	#0	16QAM	NV	-20	-10.63	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	-8.60	-0.005	PASS
Band4	15	20325	75	#0	16QAM	NV	0	-3.92	-0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	10	-9.20	-0.005	PASS
Band4	15	20325	75	#0	16QAM	NV	20	-7.90	-0.005	PASS
Band4	15	20325	75	#0	16QAM	NV	30	-5.84	-0.003	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-9.73	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	50	-6.94	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-13.65	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-12.92	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-7.15	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-10.10	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-7.15	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-11.13	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-8.24	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-7.12	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-6.11	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	-7.78	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	-4.53	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	-5.41	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	0	-6.54	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	10	-6.61	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	20	-4.79	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	30	-8.01	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	40	-4.52	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	50	-8.96	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	7.47	0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-0.94	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-3.91	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-7.50	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-6.11	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-2.78	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-4.43	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-3.18	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-4.89	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	-4.76	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	-5.64	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	-5.81	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	0	-7.61	-0.004	PASS
Band4	20	20175	100	#0	16QAM	NV	10	-5.06	-0.003	PASS
Band4	20	20175	100	#0	16QAM	NV	20	-6.67	-0.004	PASS
Band4	20	20175	100	#0	16QAM	NV	30	-6.32	-0.004	PASS

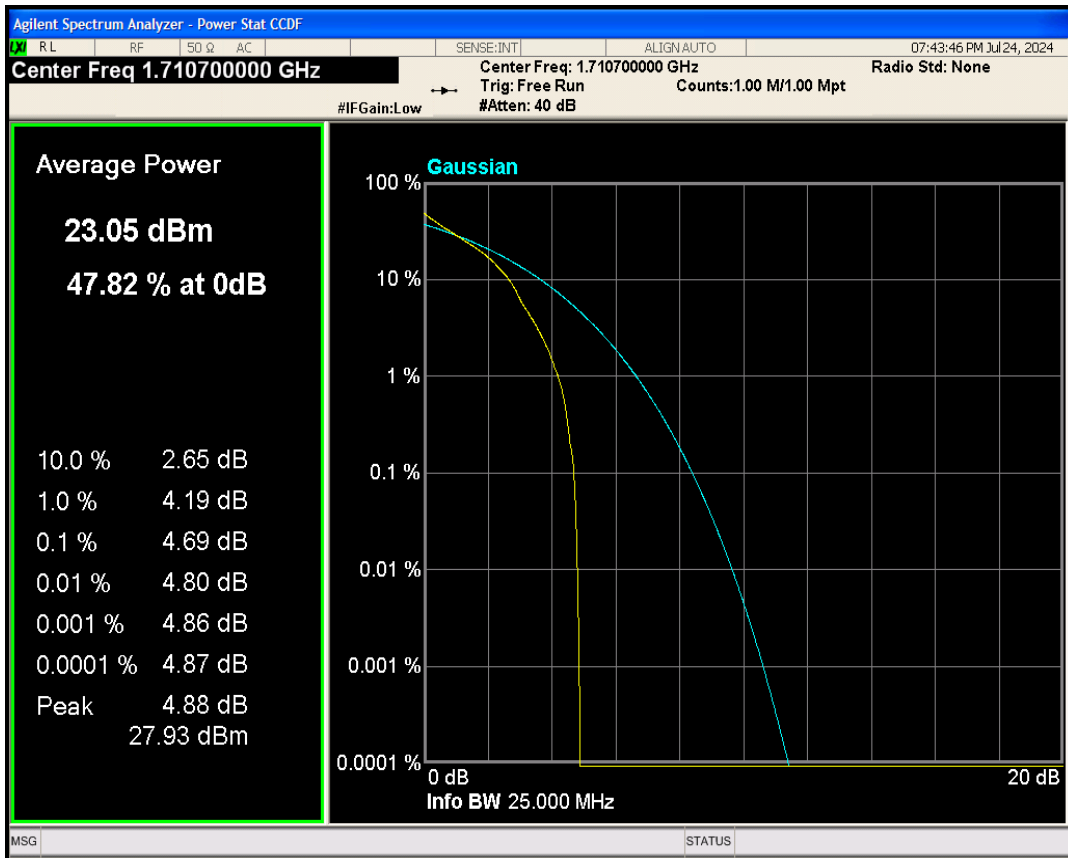
Band4	20	20175	100	#0	16QAM	NV	40	-6.28	-0.004	PASS
Band4	20	20175	100	#0	16QAM	NV	50	-6.05	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-2.45	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-4.18	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	-3.91	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-3.25	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-6.98	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-6.88	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-7.64	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-4.03	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-4.94	-0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	-4.38	-0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-7.02	-0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-7.21	-0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	0	-3.58	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	10	-4.48	-0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	20	-2.15	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	30	-4.29	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	40	-3.62	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	50	-4.85	-0.003	PASS



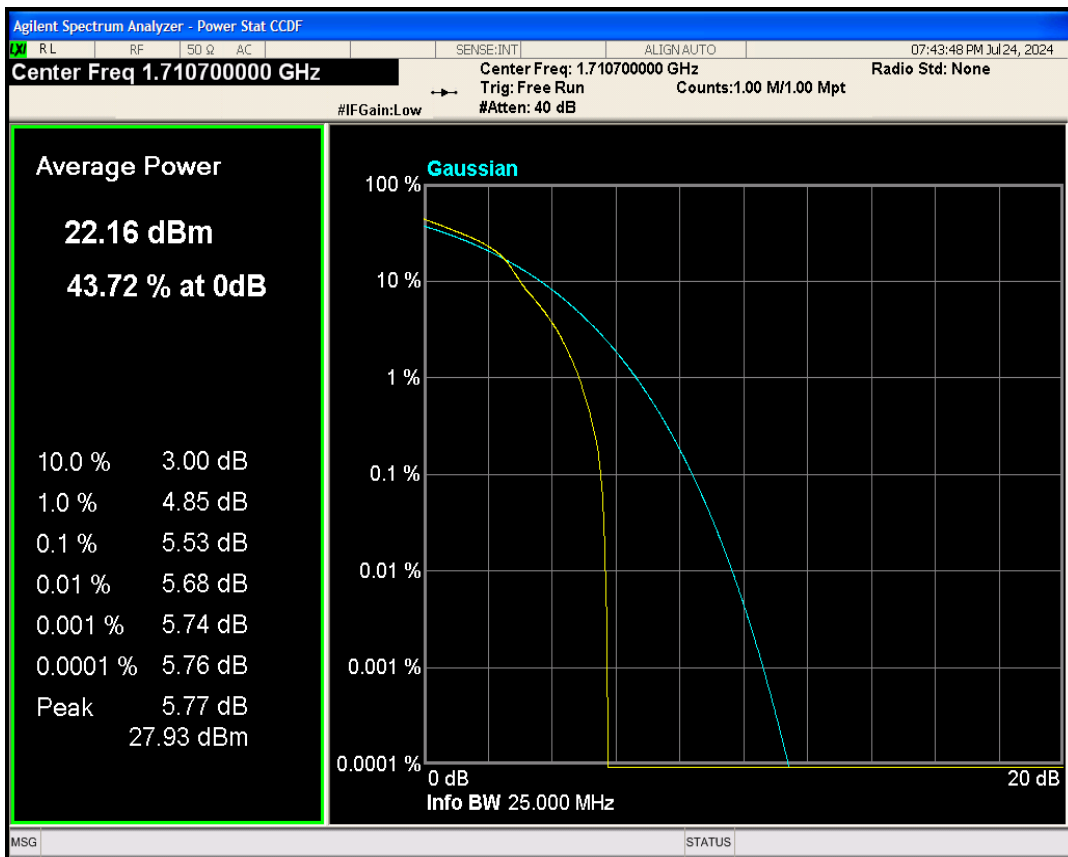
Appendix 4. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.69	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.53	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.91	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.83	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.64	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.64	13	PASS
Band4	3	19965	1	#0	QPSK	4.51	13	PASS
Band4	3	19965	1	#0	16QAM	5.38	13	PASS
Band4	3	20175	1	#0	QPSK	4.99	13	PASS
Band4	3	20175	1	#0	16QAM	5.99	13	PASS
Band4	3	20385	1	#0	QPSK	3.58	13	PASS
Band4	3	20385	1	#0	16QAM	4.44	13	PASS
Band4	5	19975	1	#0	QPSK	4.77	13	PASS
Band4	5	19975	1	#0	16QAM	5.50	13	PASS
Band4	5	20175	1	#0	QPSK	5.16	13	PASS
Band4	5	20175	1	#0	16QAM	5.66	13	PASS
Band4	5	20375	1	#0	QPSK	4.06	13	PASS
Band4	5	20375	1	#0	16QAM	4.78	13	PASS
Band4	10	20000	1	#0	QPSK	4.57	13	PASS
Band4	10	20000	1	#0	16QAM	5.45	13	PASS
Band4	10	20175	1	#0	QPSK	5.47	13	PASS
Band4	10	20175	1	#0	16QAM	6.50	13	PASS
Band4	10	20350	1	#0	QPSK	4.30	13	PASS
Band4	10	20350	1	#0	16QAM	5.09	13	PASS
Band4	15	20025	1	#0	QPSK	4.66	13	PASS
Band4	15	20025	1	#0	16QAM	5.55	13	PASS
Band4	15	20175	1	#0	QPSK	5.51	13	PASS
Band4	15	20175	1	#0	16QAM	6.47	13	PASS
Band4	15	20325	1	#0	QPSK	4.23	13	PASS
Band4	15	20325	1	#0	16QAM	4.97	13	PASS
Band4	20	20050	1	#0	QPSK	4.71	13	PASS
Band4	20	20050	1	#0	16QAM	5.36	13	PASS
Band4	20	20175	1	#0	QPSK	5.41	13	PASS
Band4	20	20175	1	#0	16QAM	6.29	13	PASS
Band4	20	20300	1	#0	QPSK	4.51	13	PASS
Band4	20	20300	1	#0	16QAM	5.61	13	PASS

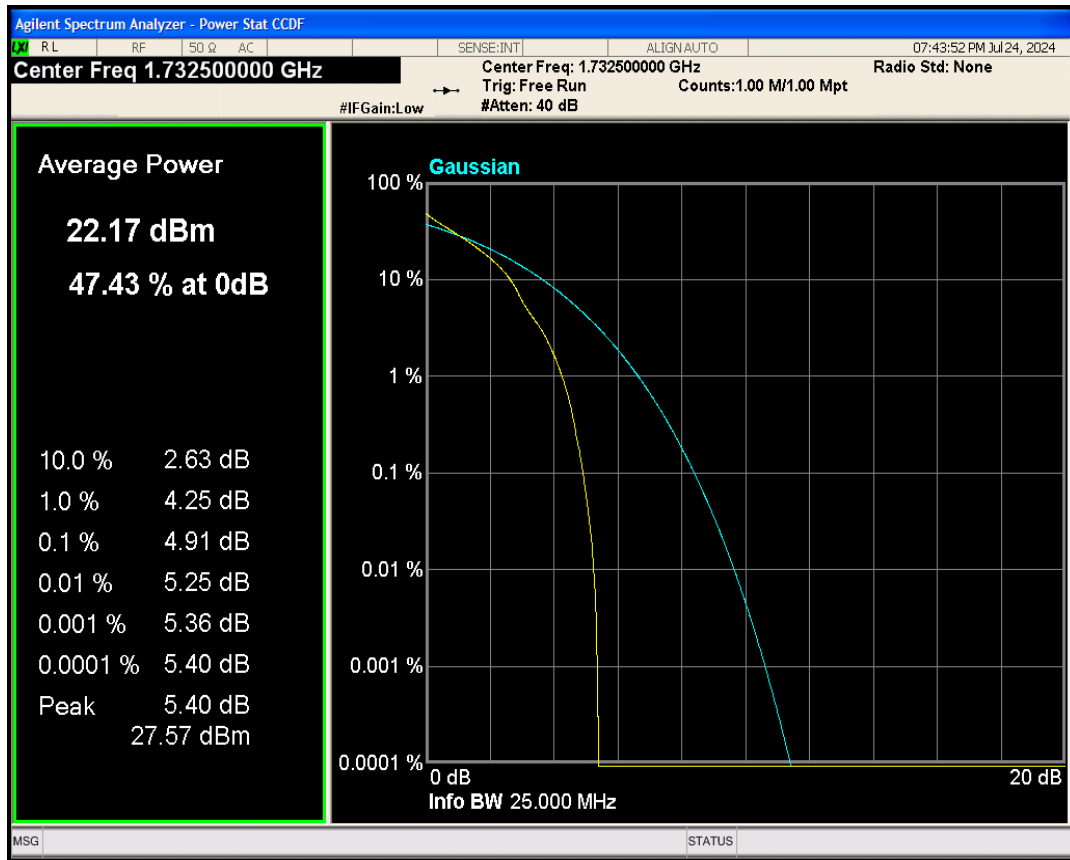
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



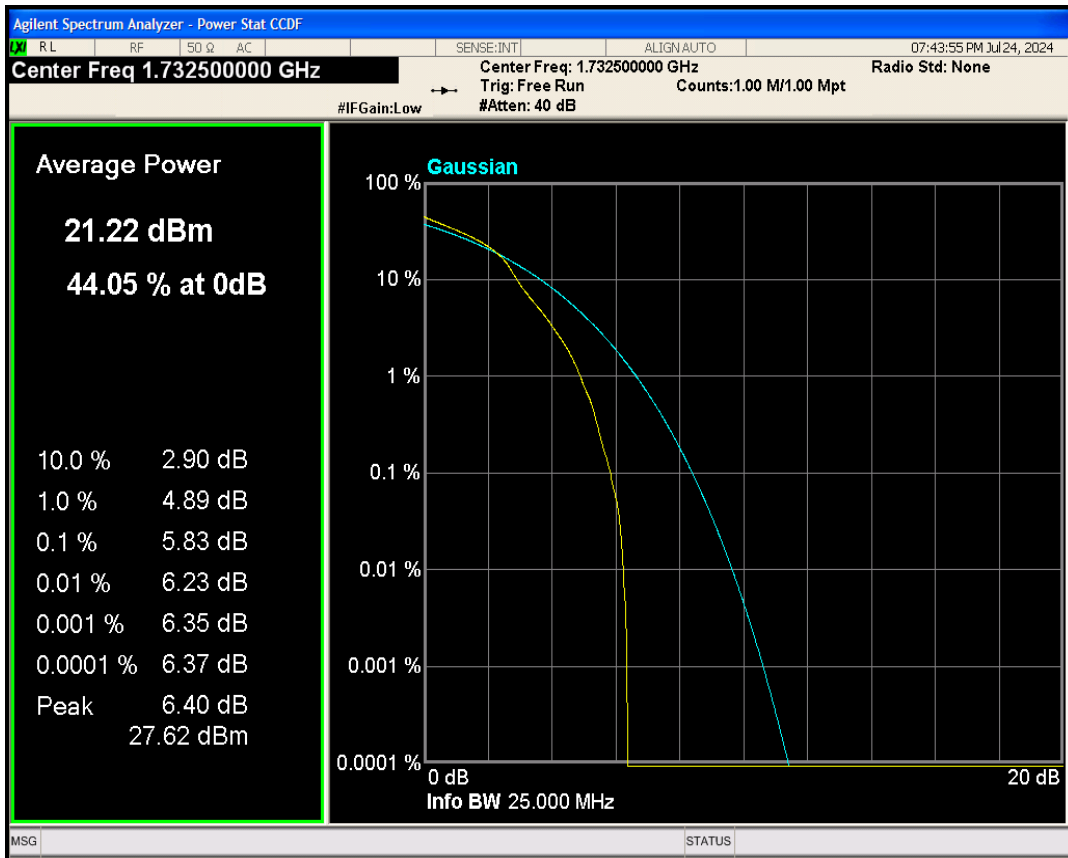
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



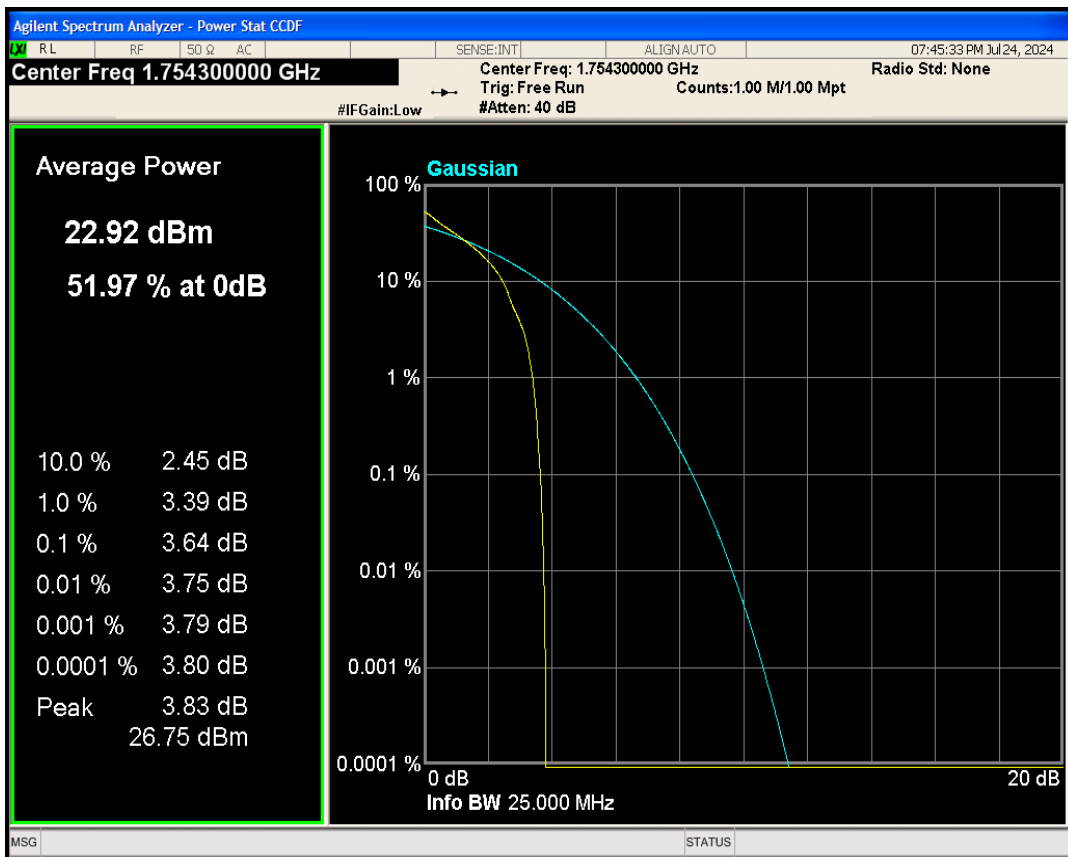
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



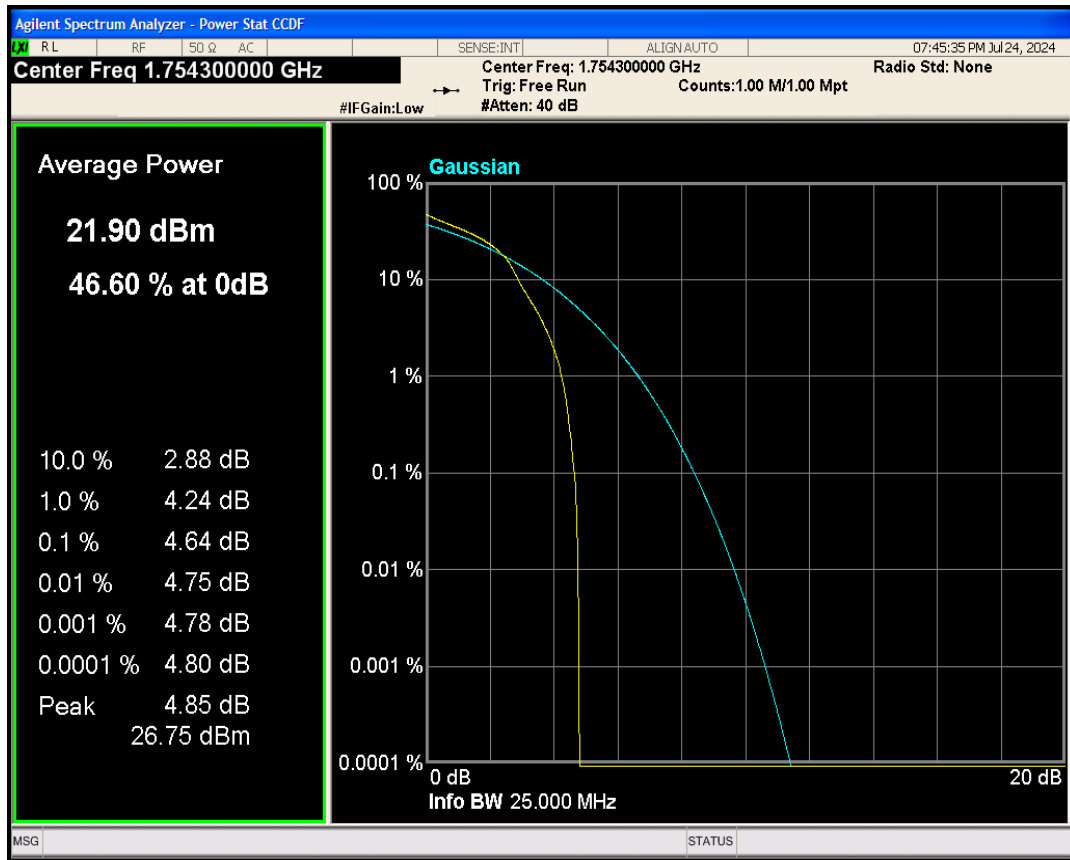
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



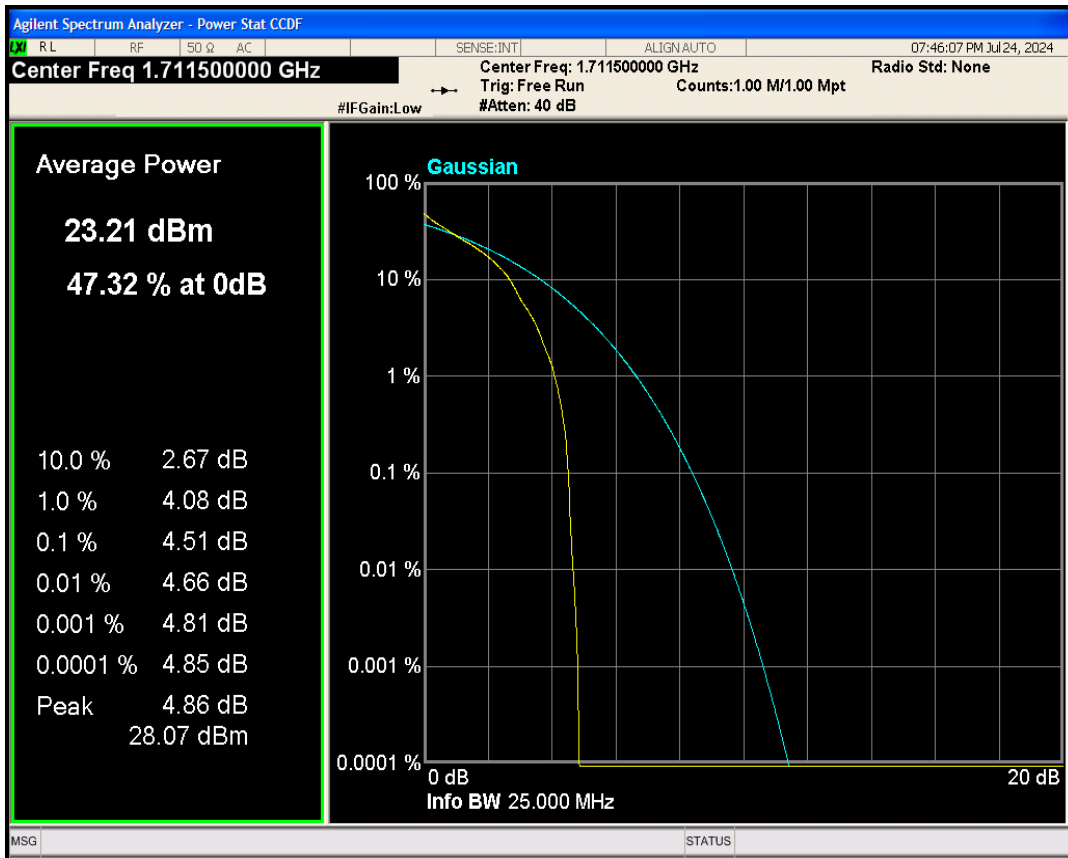
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



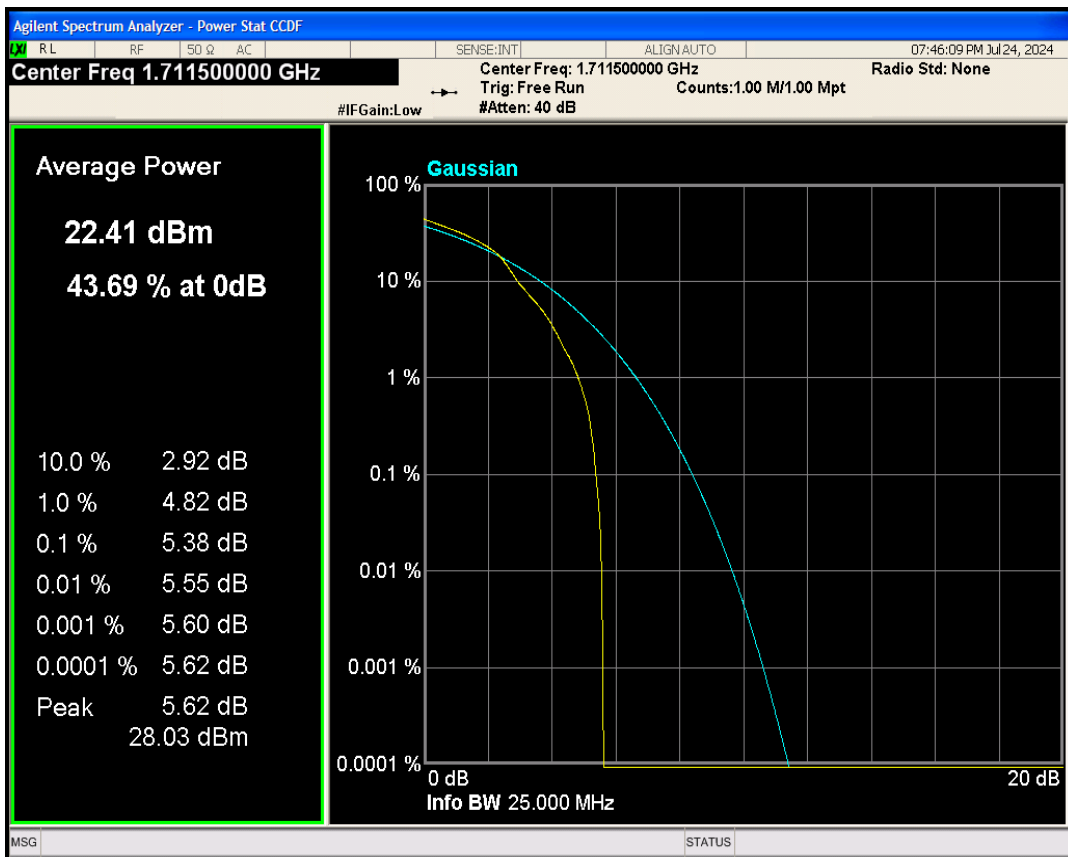
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



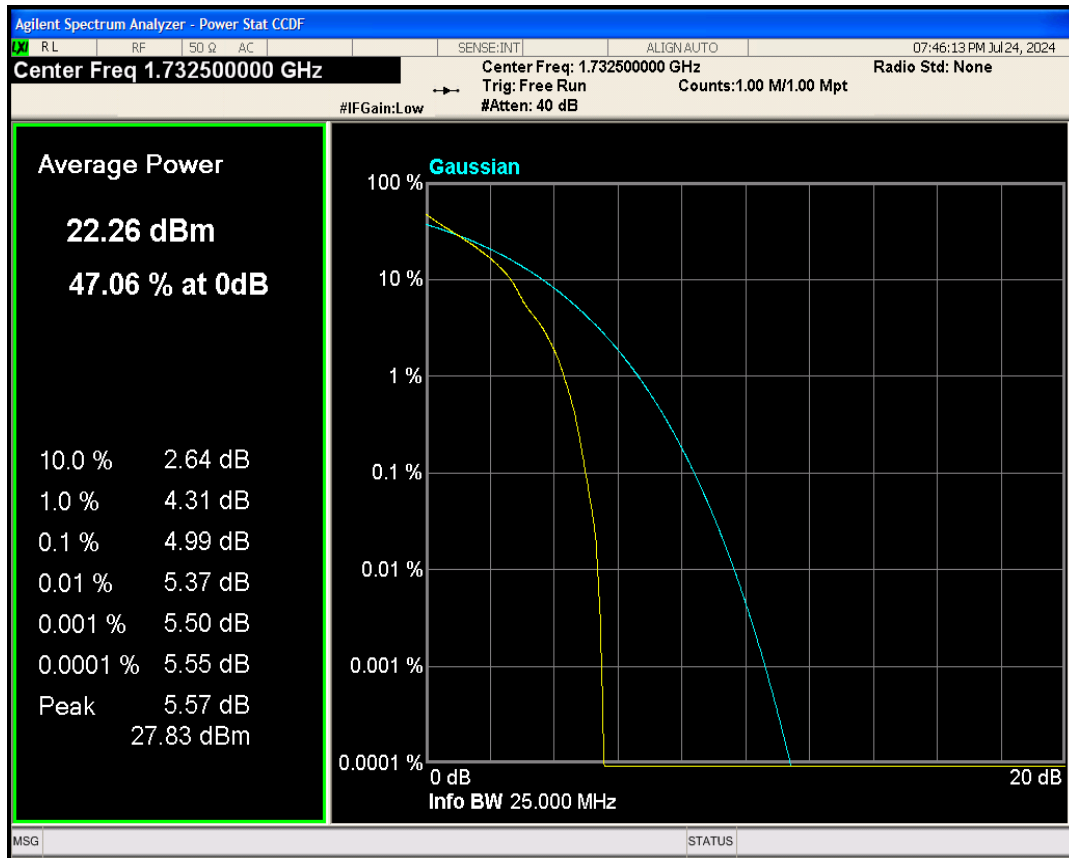
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



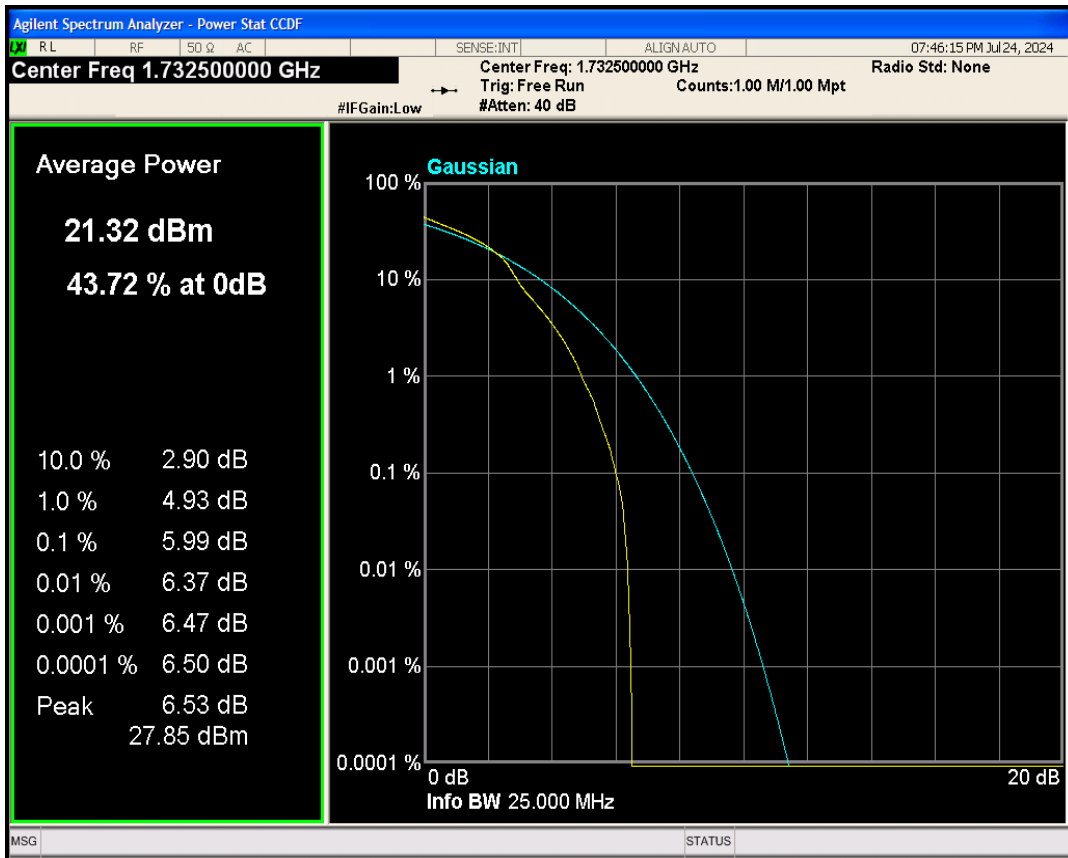
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



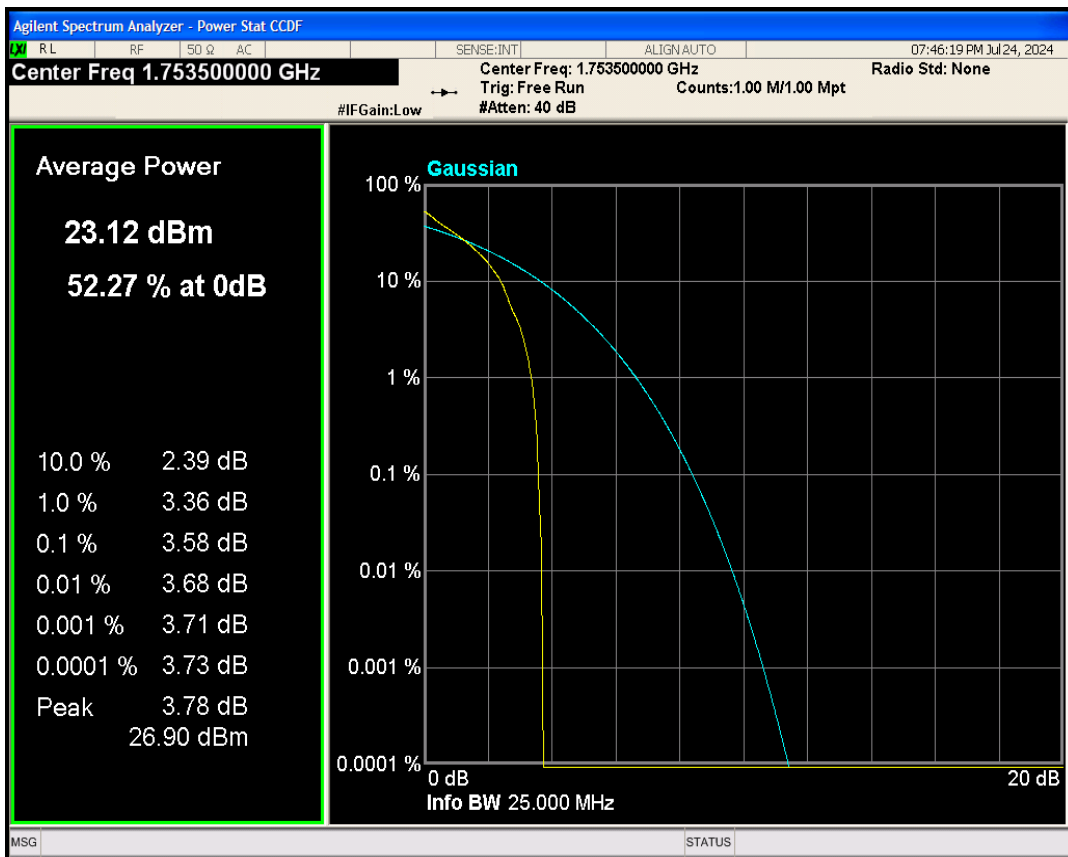
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



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

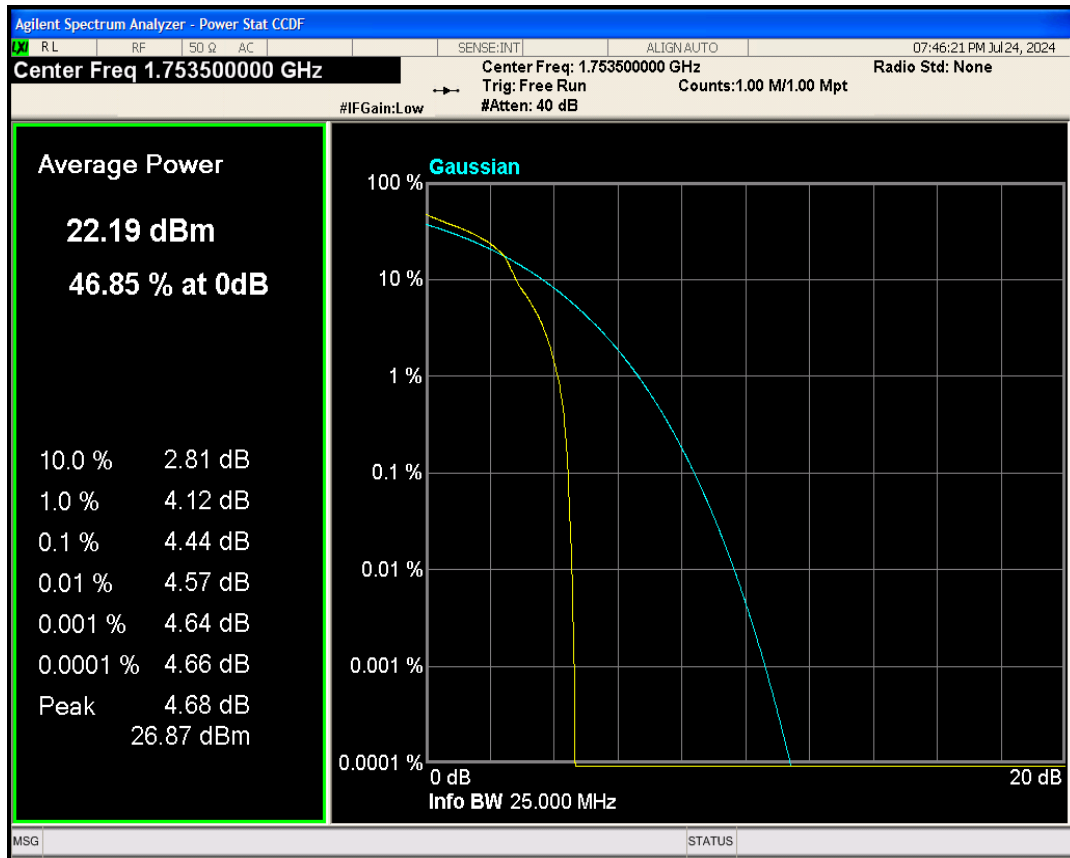


Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

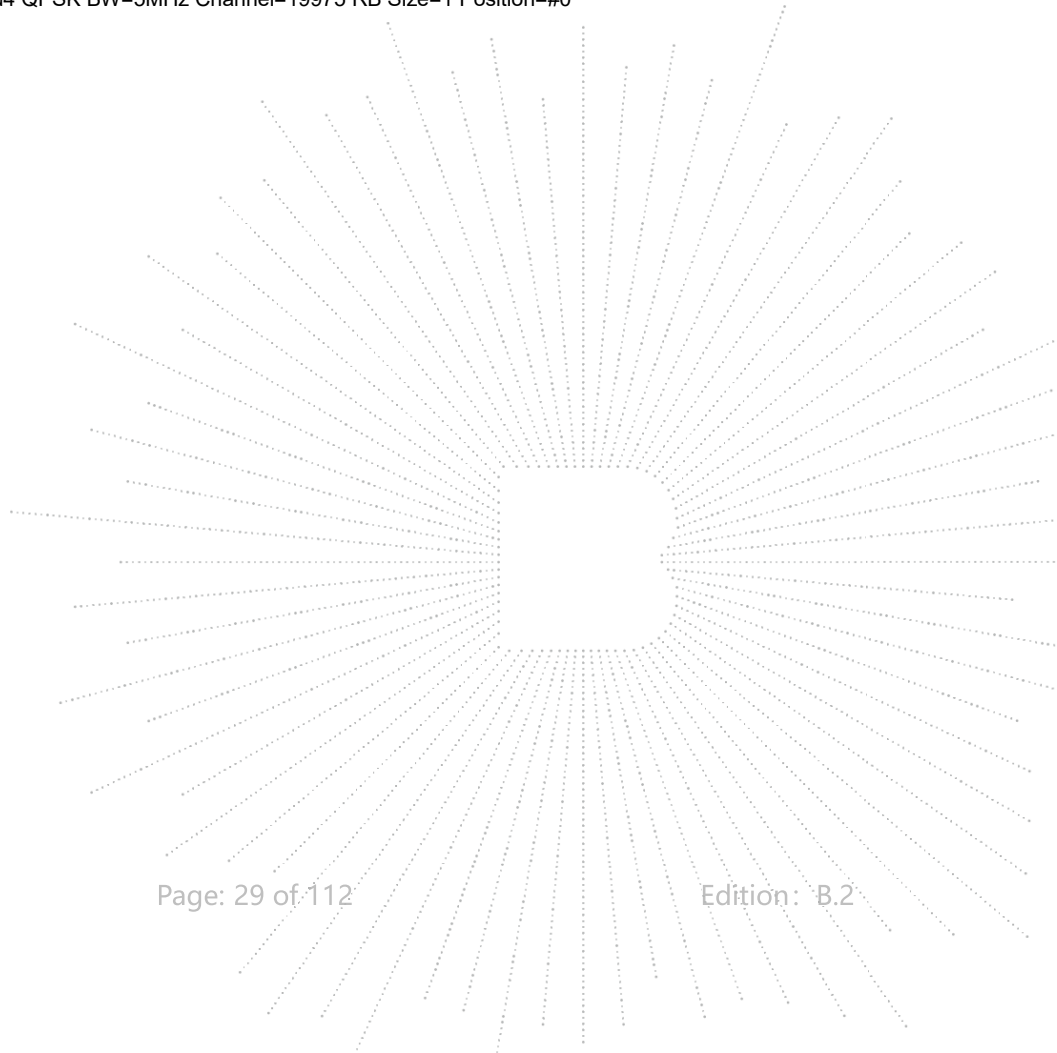


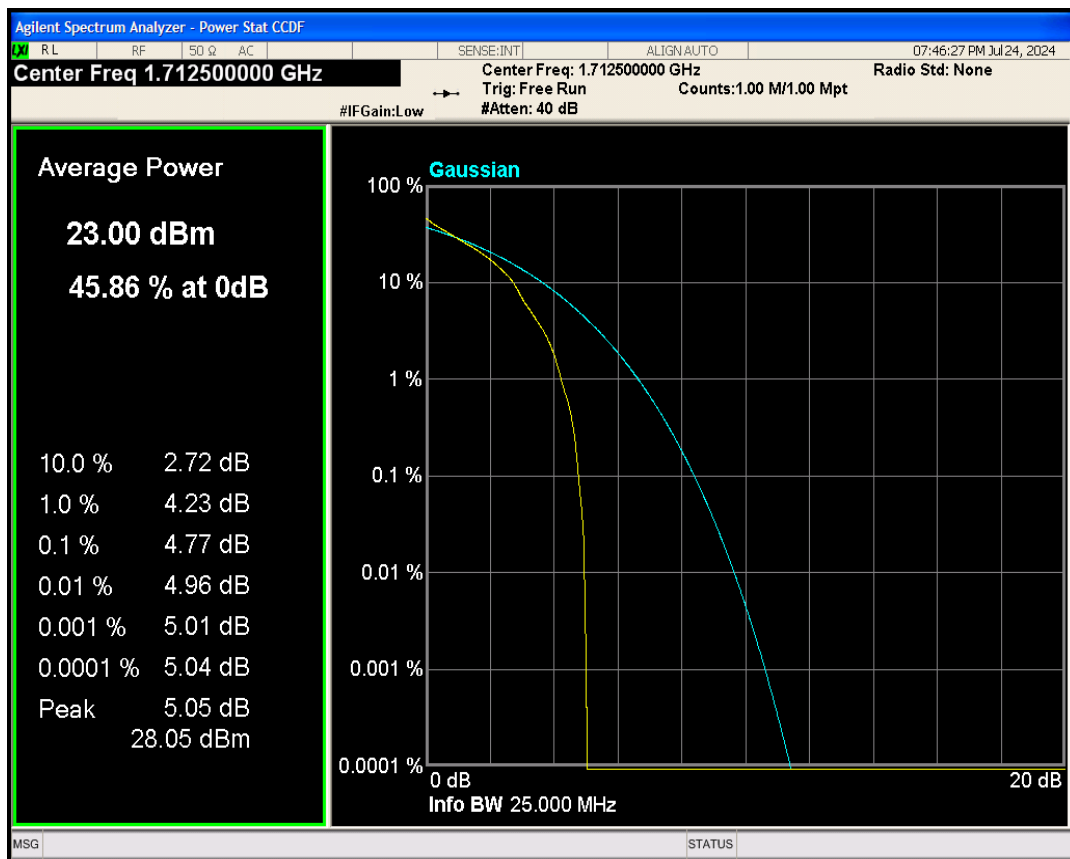


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

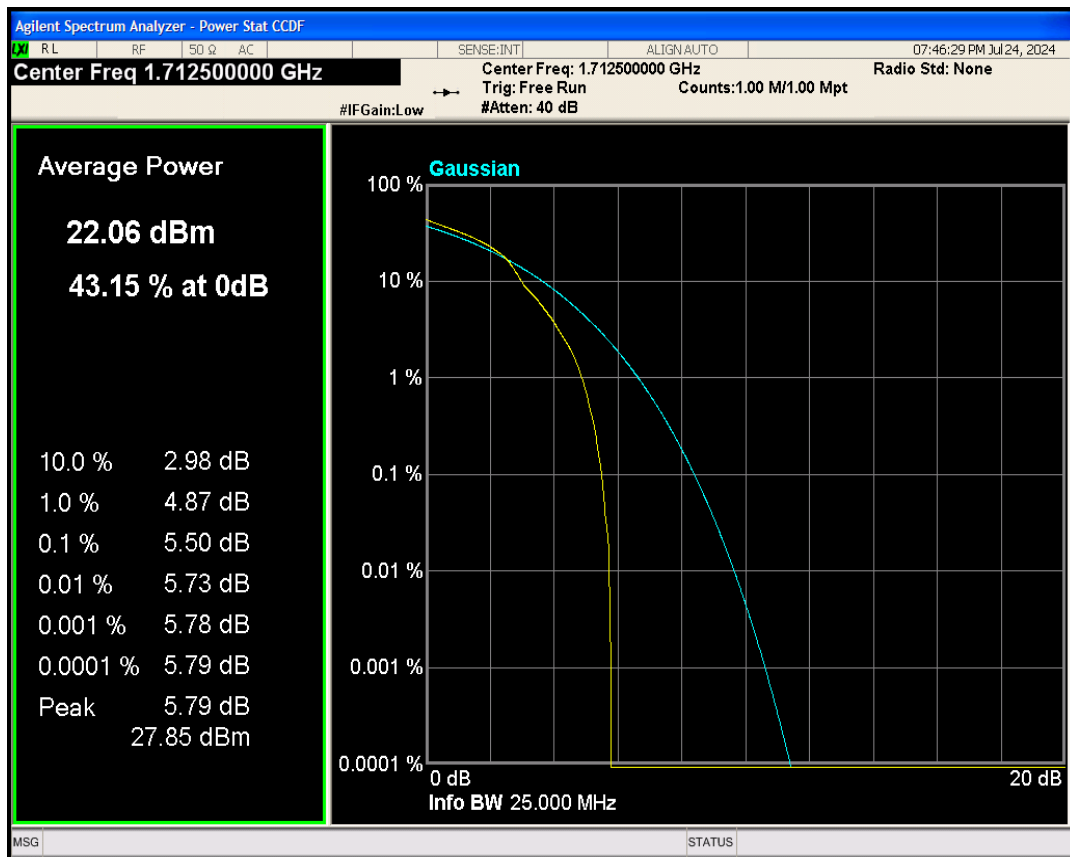


Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

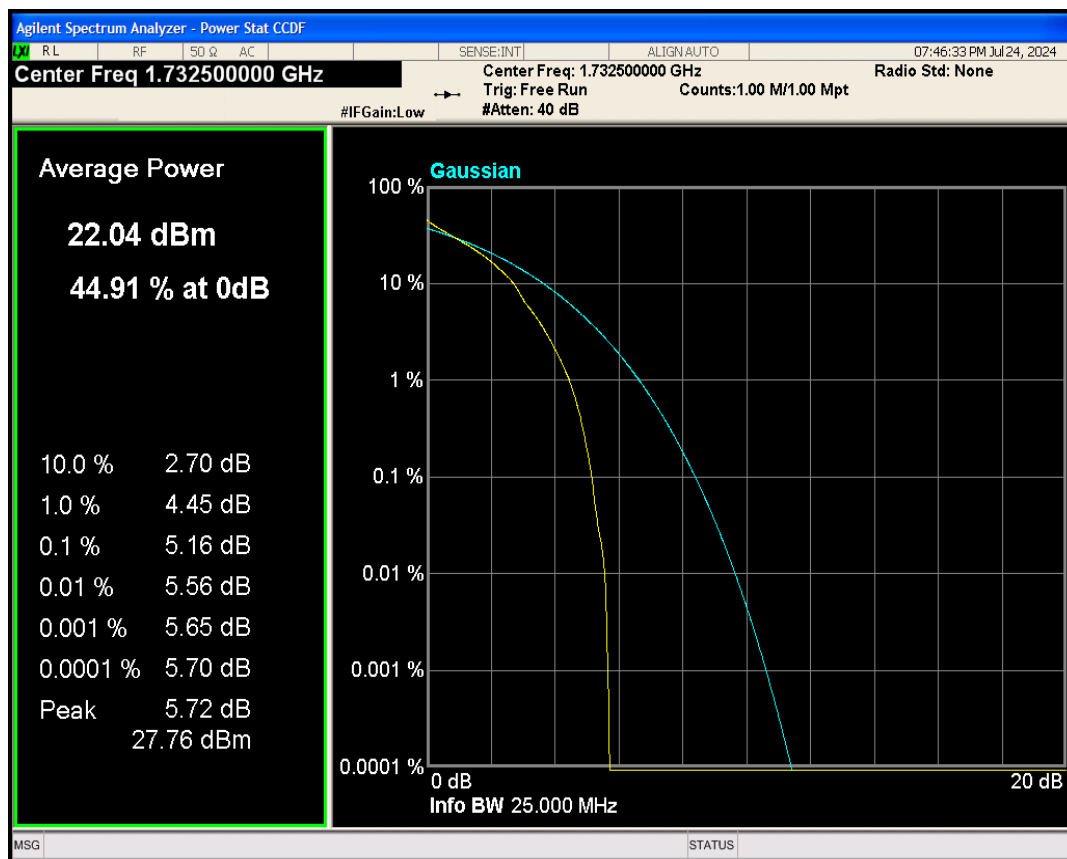




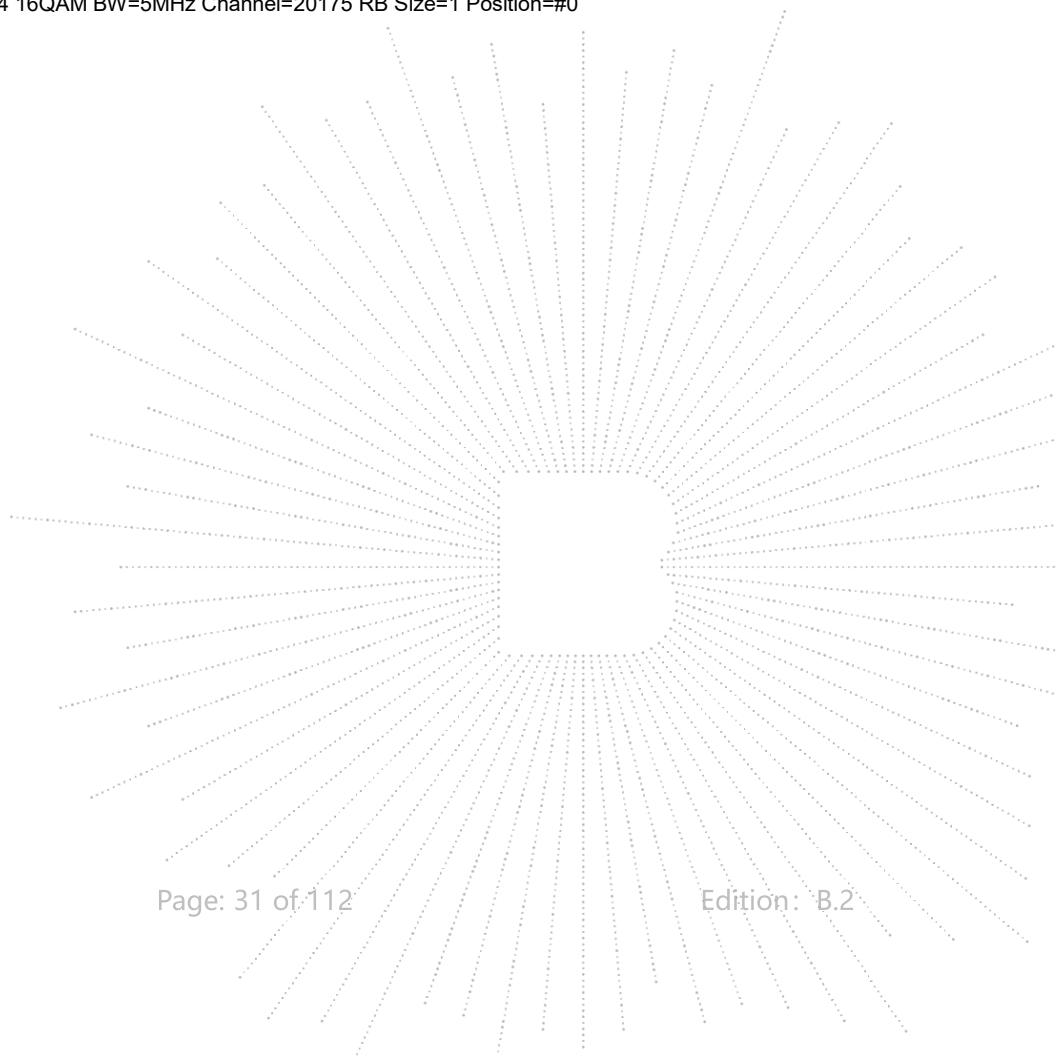
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

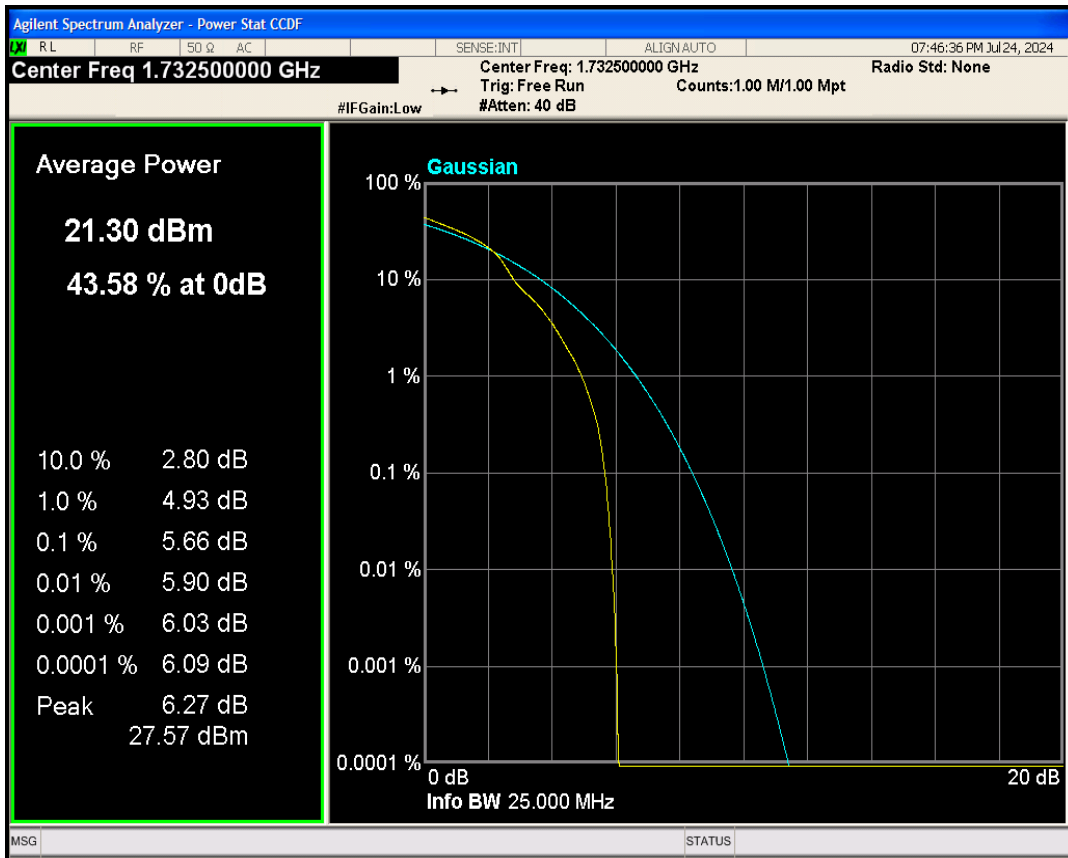


Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

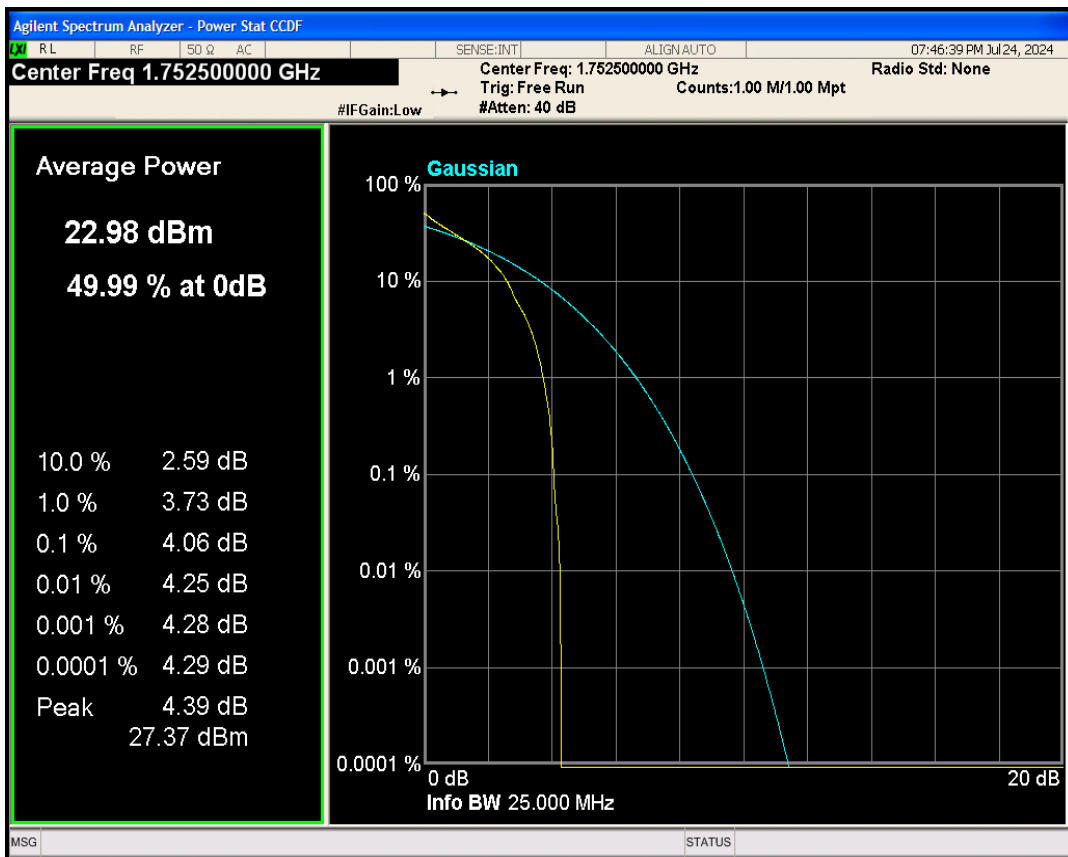


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

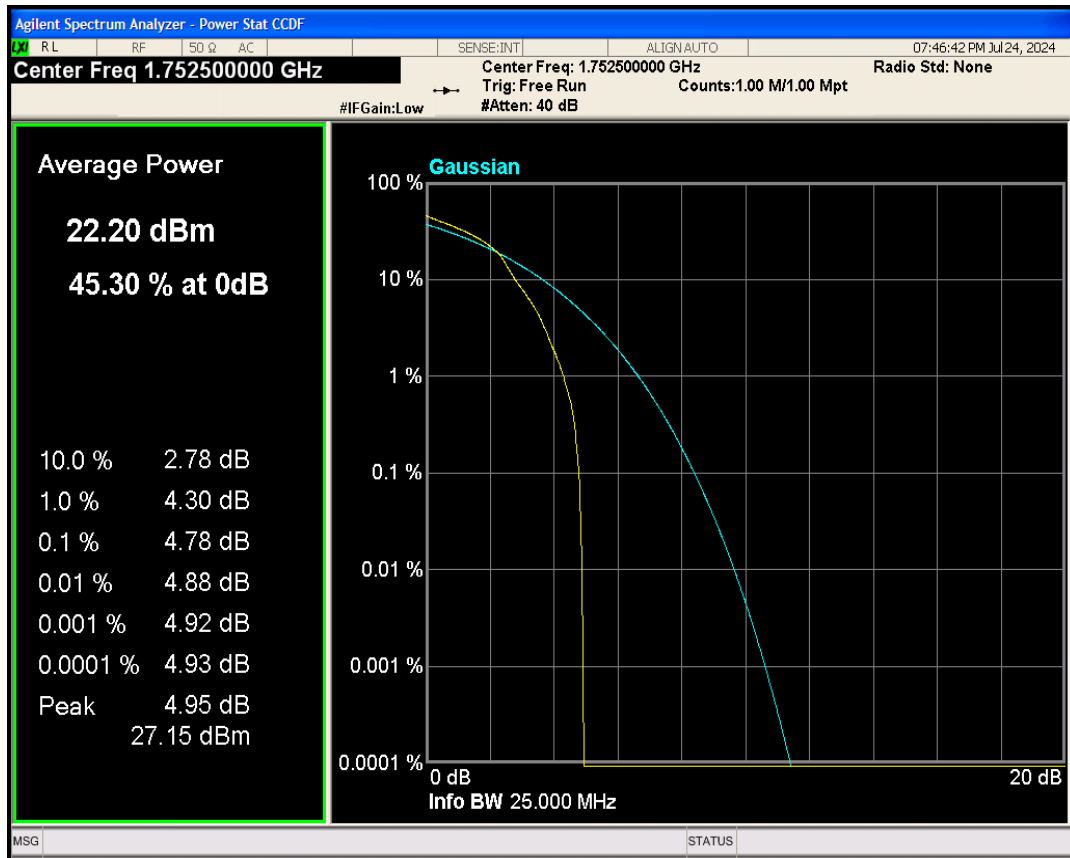




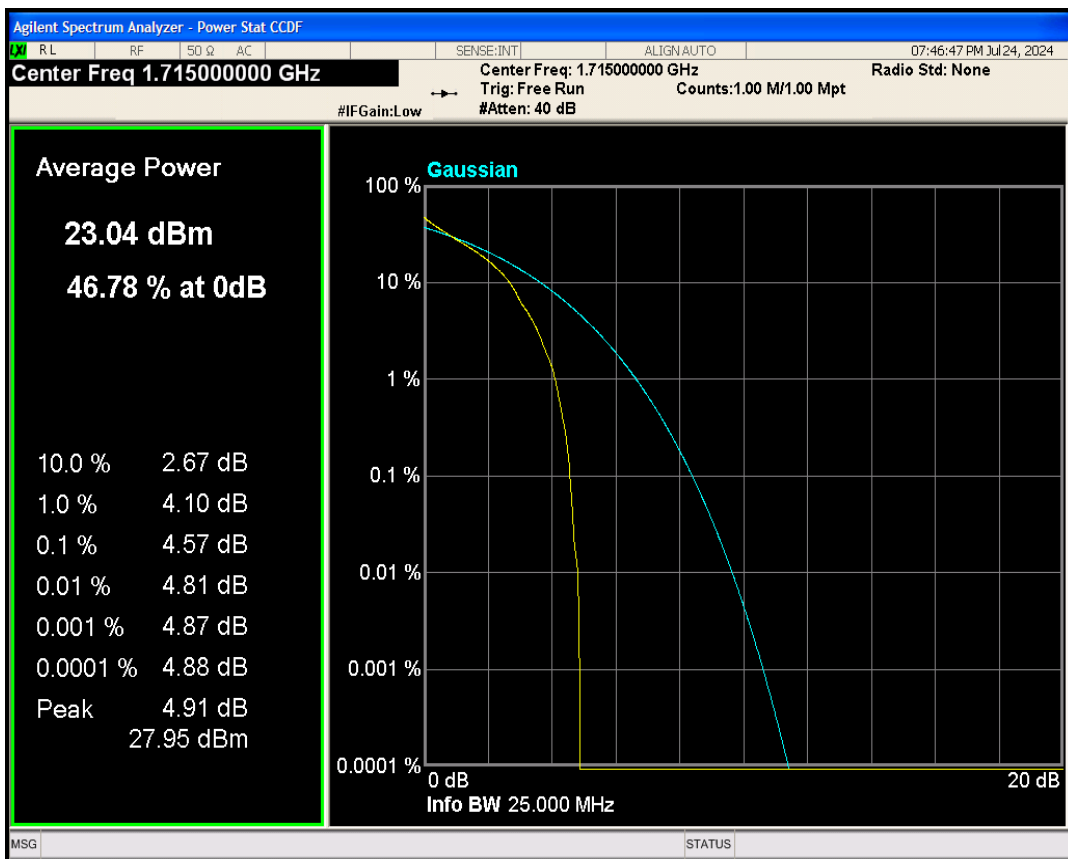
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



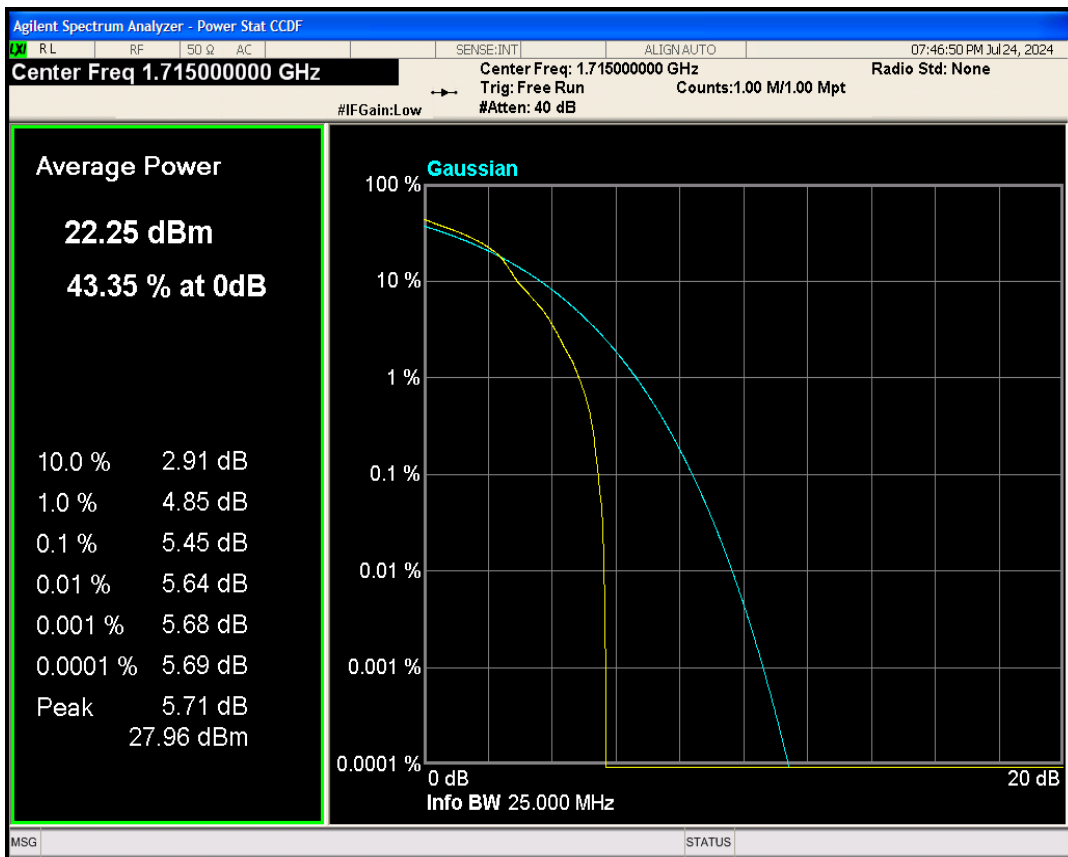
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



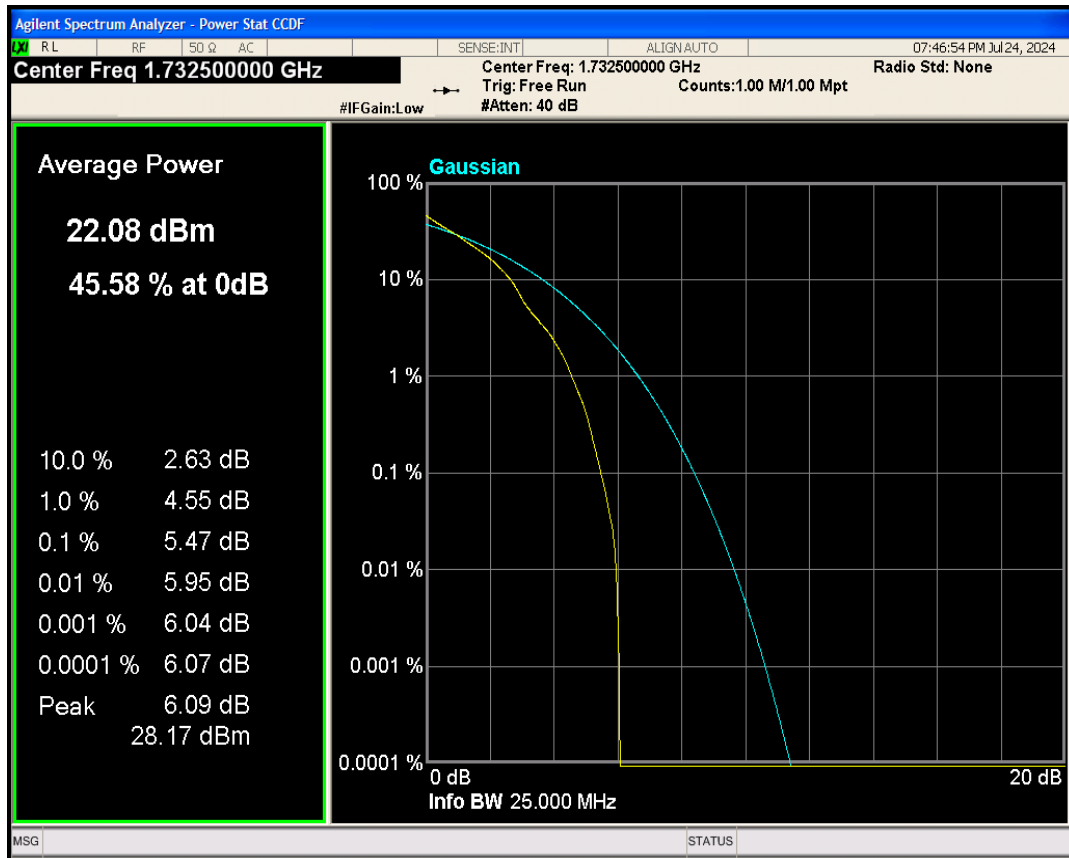
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



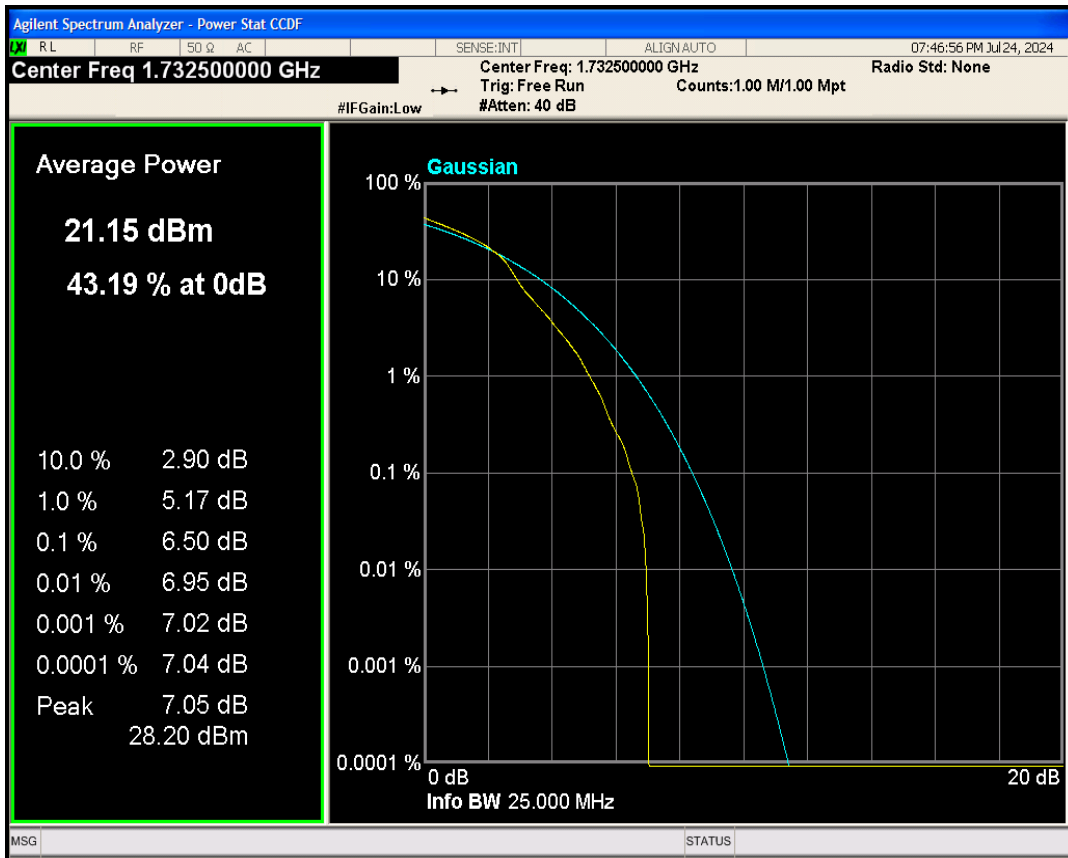
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



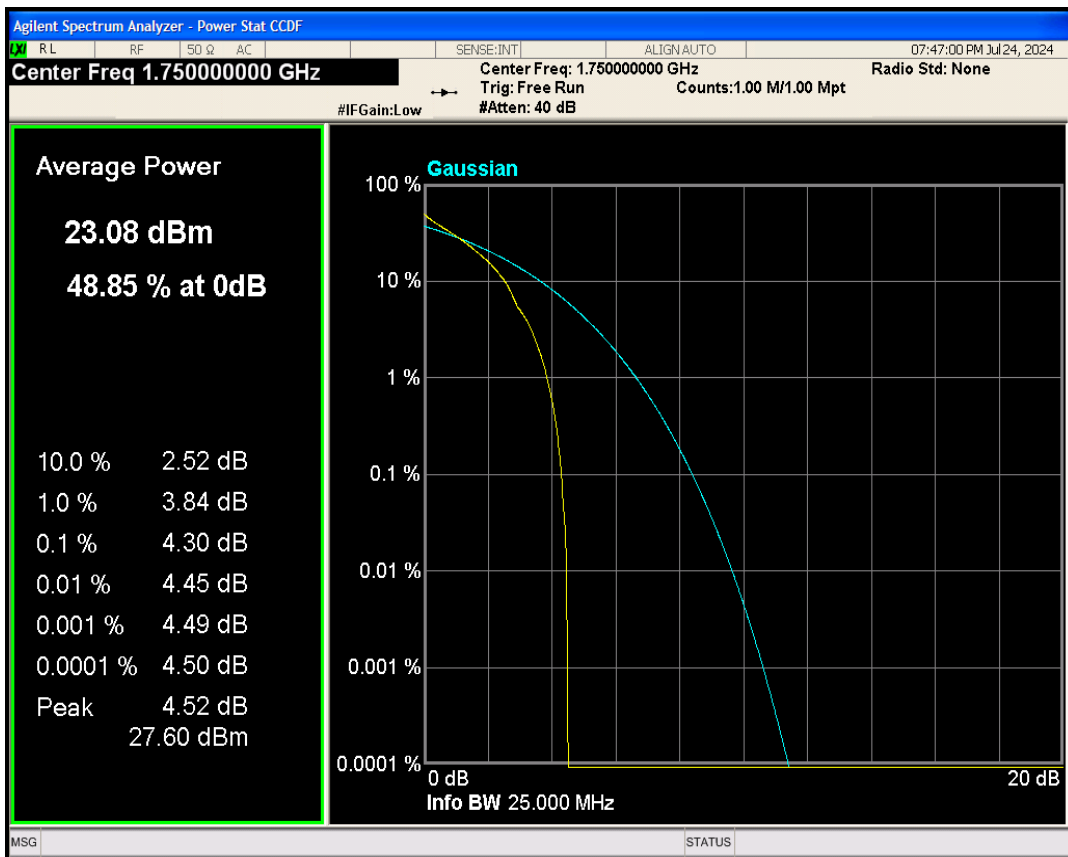
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



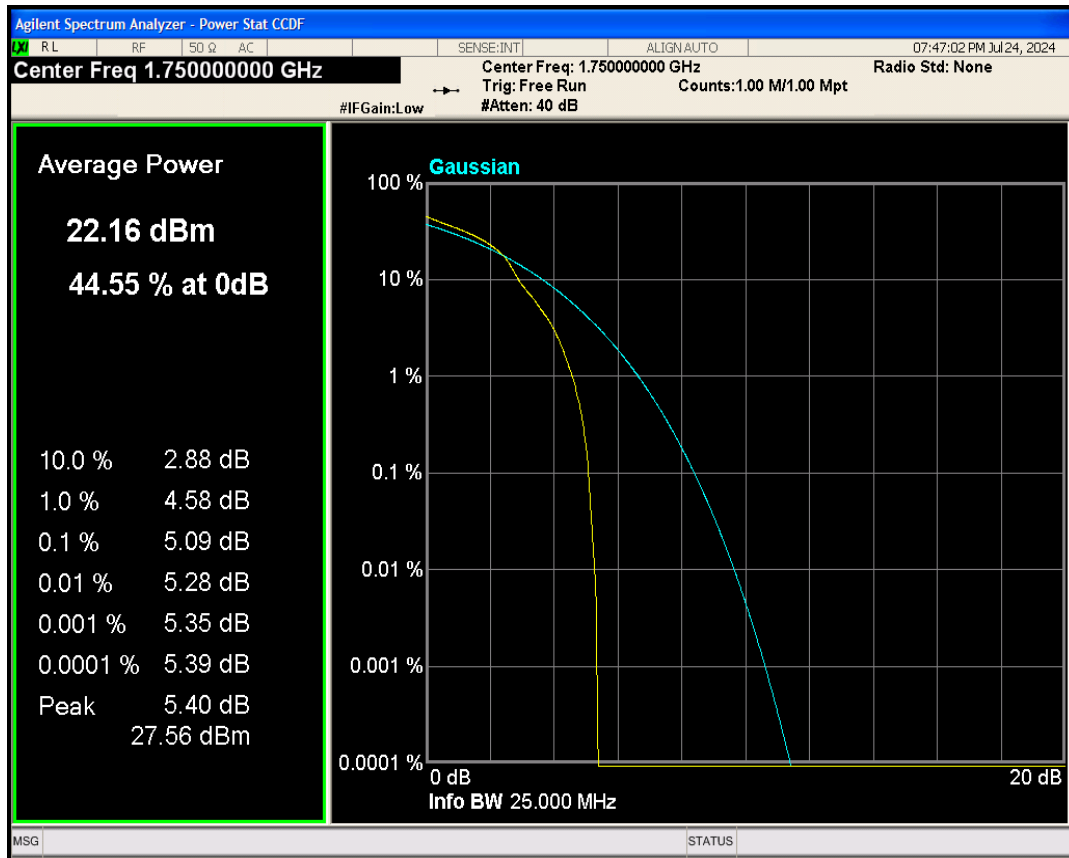
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



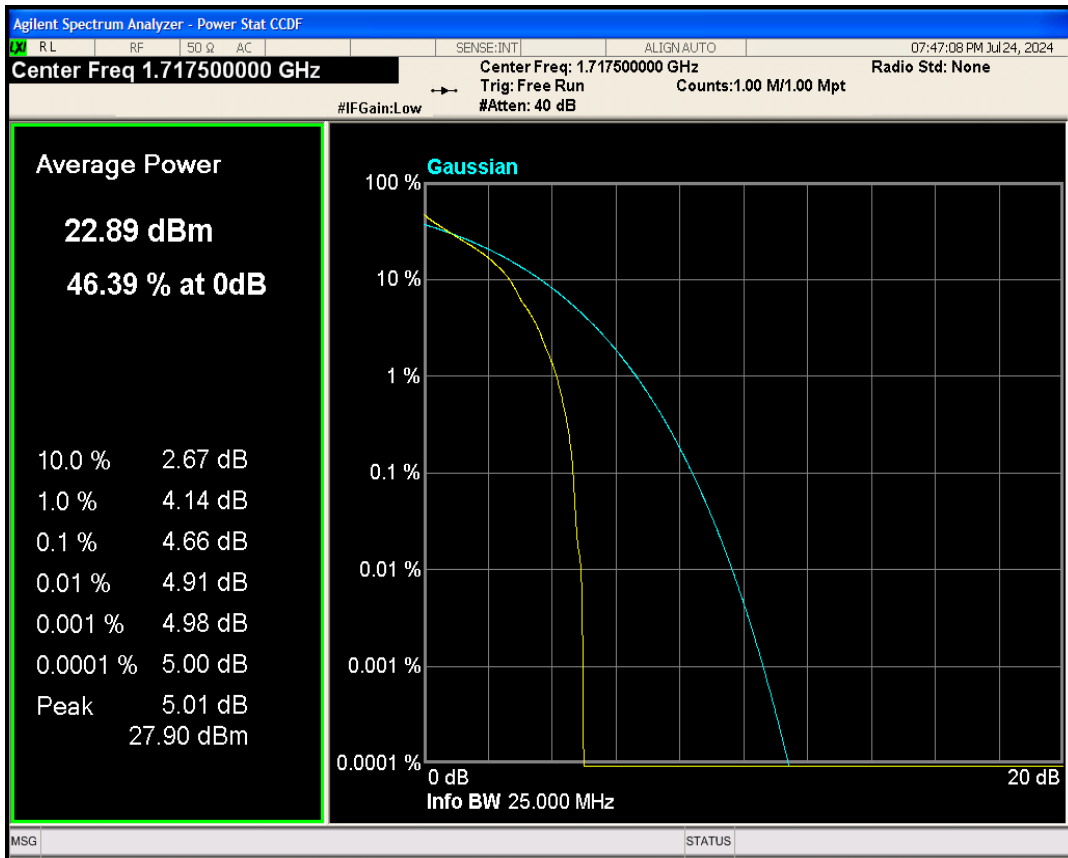
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



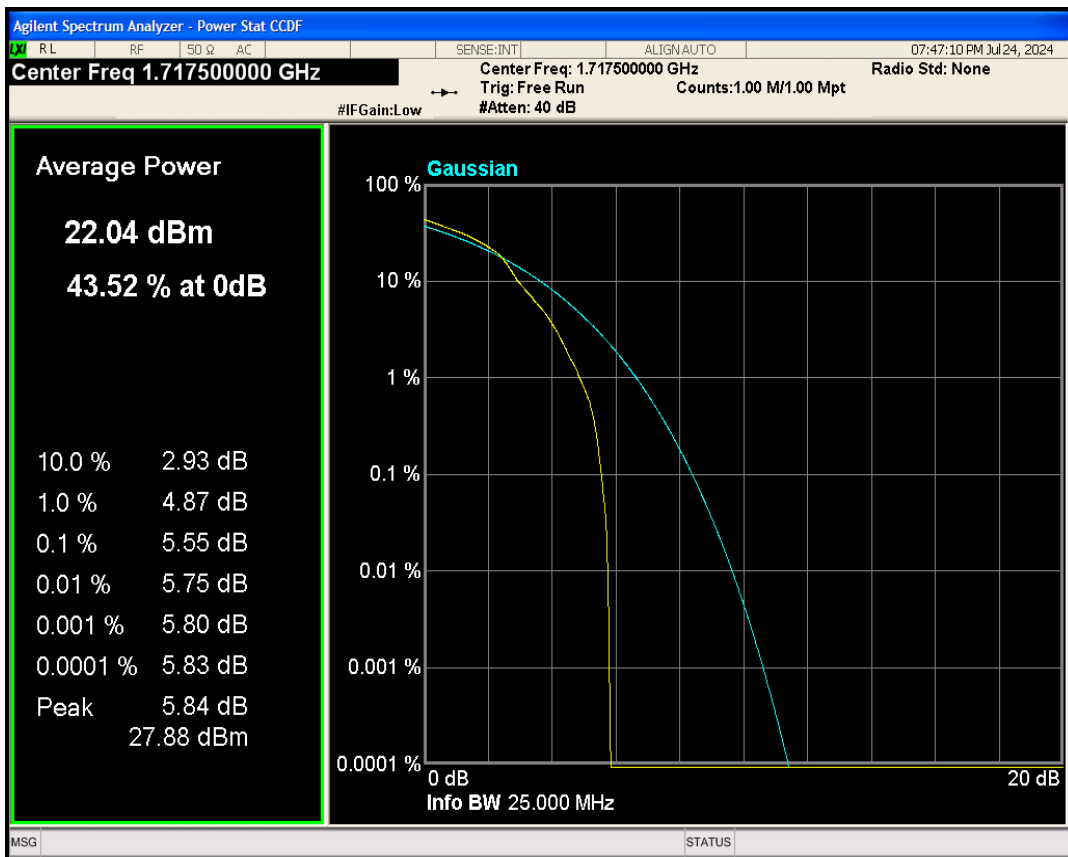
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



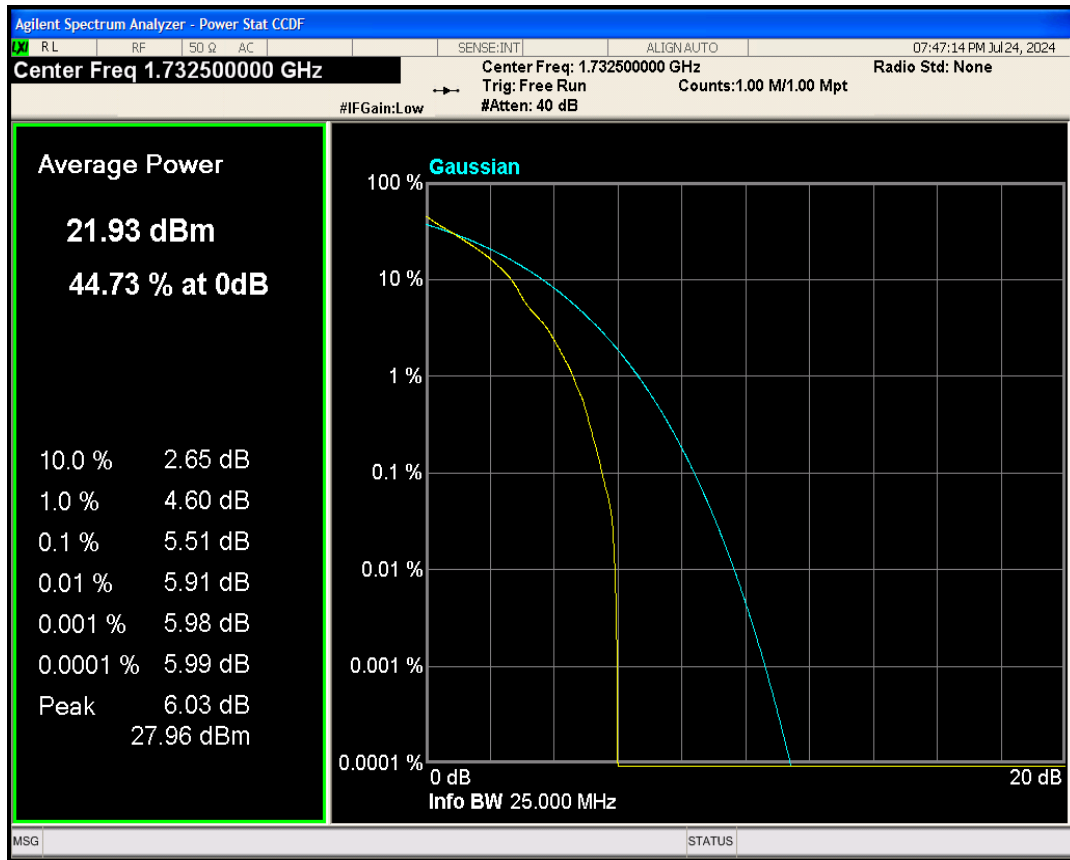
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



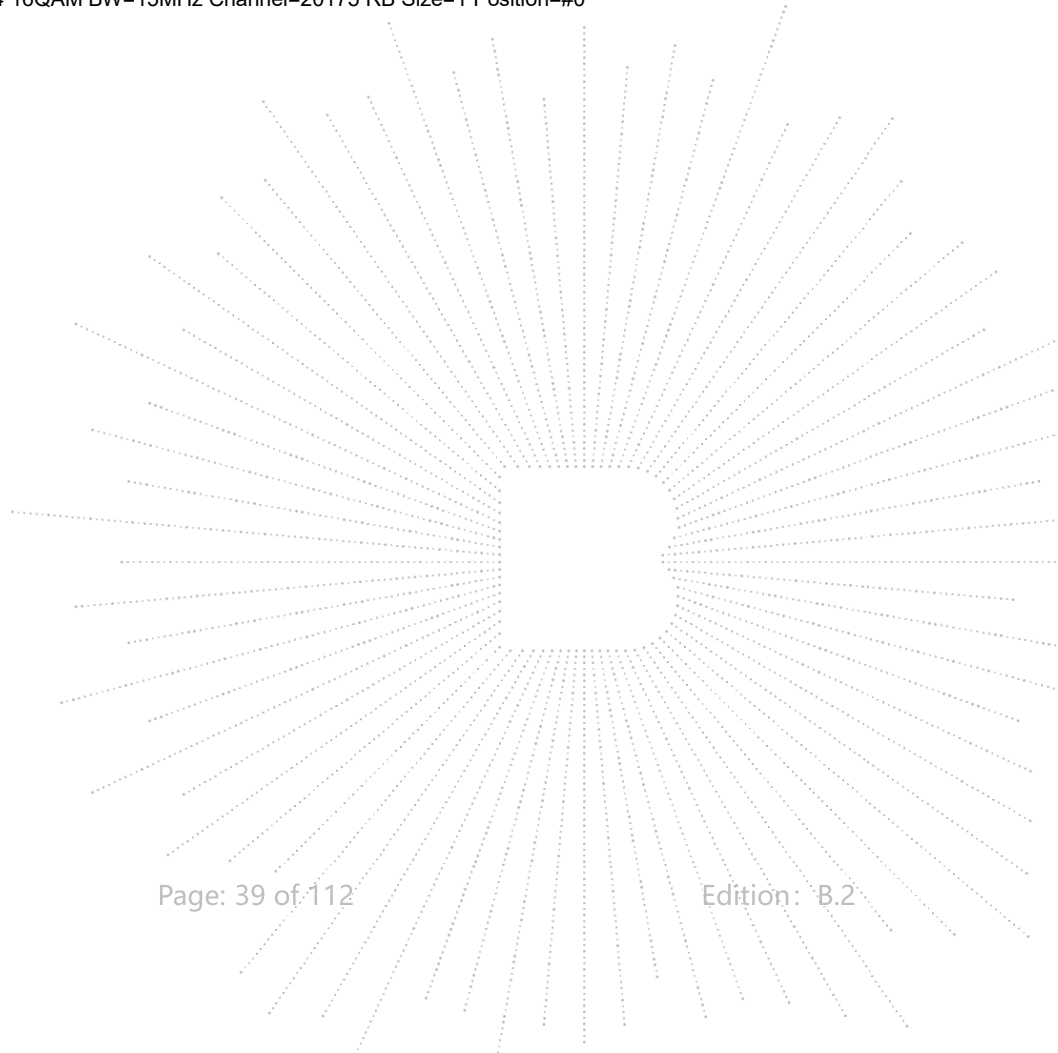
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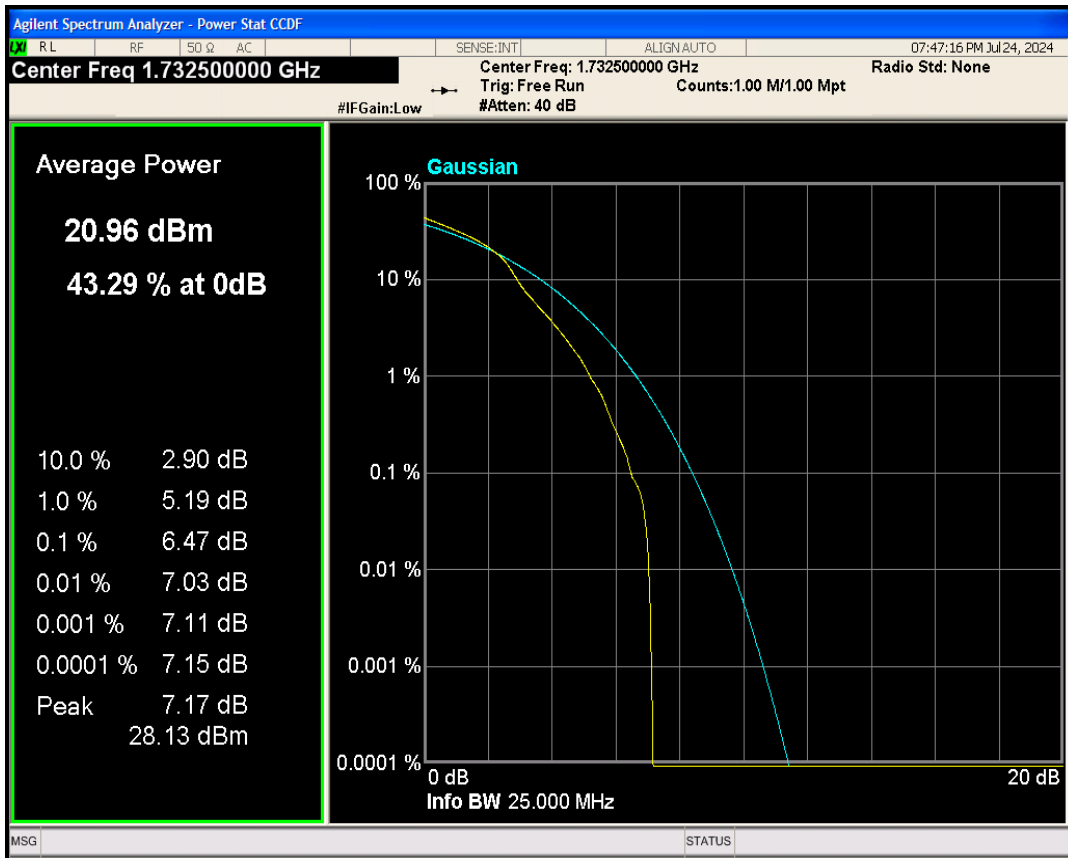


Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

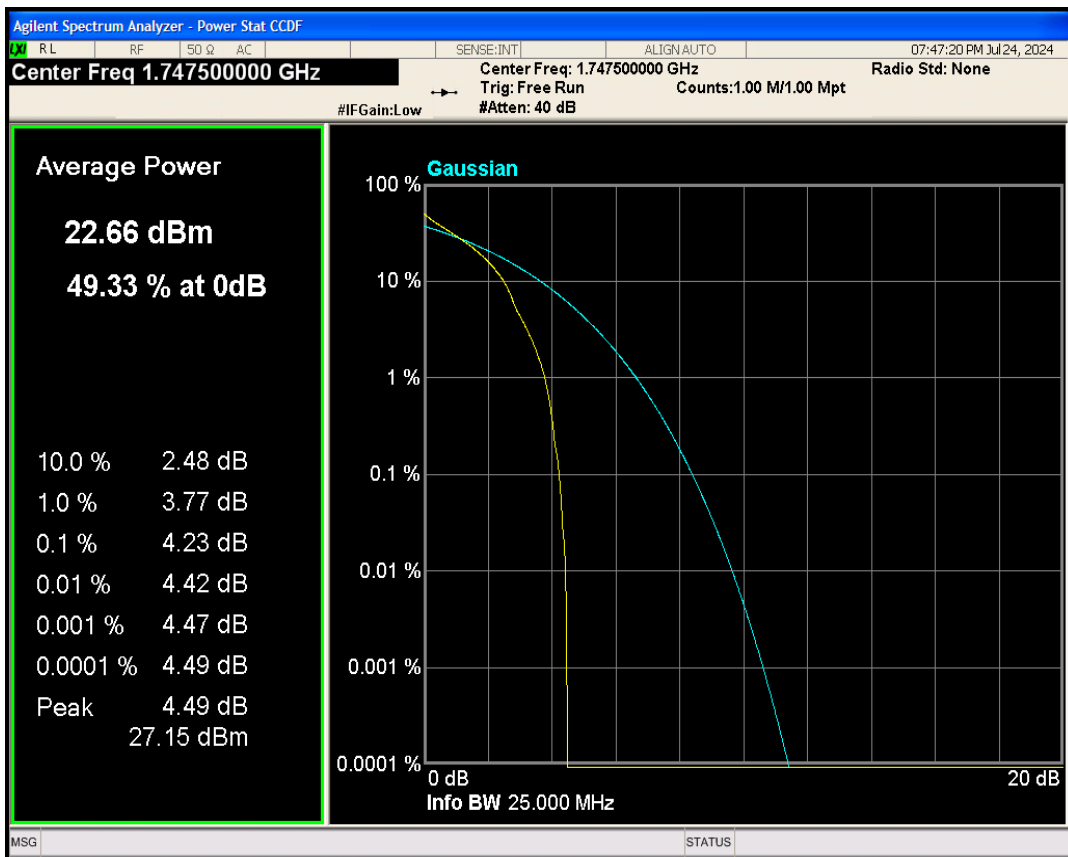


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0

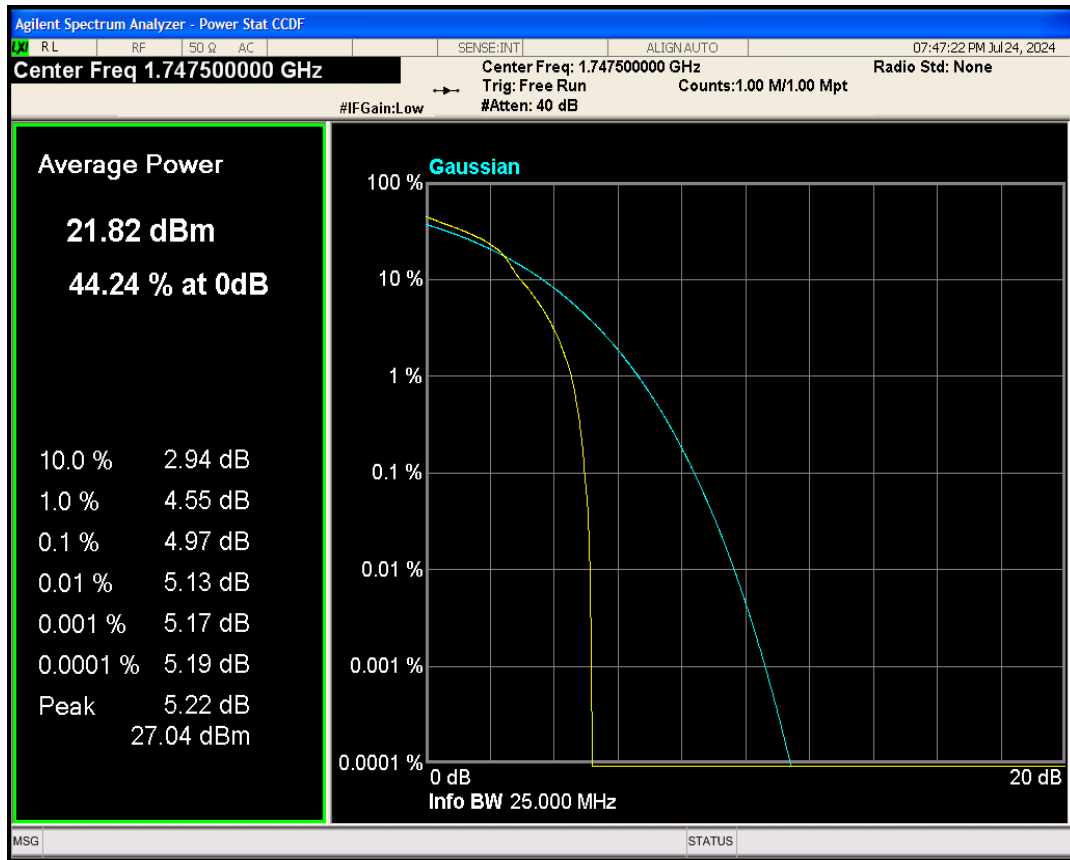




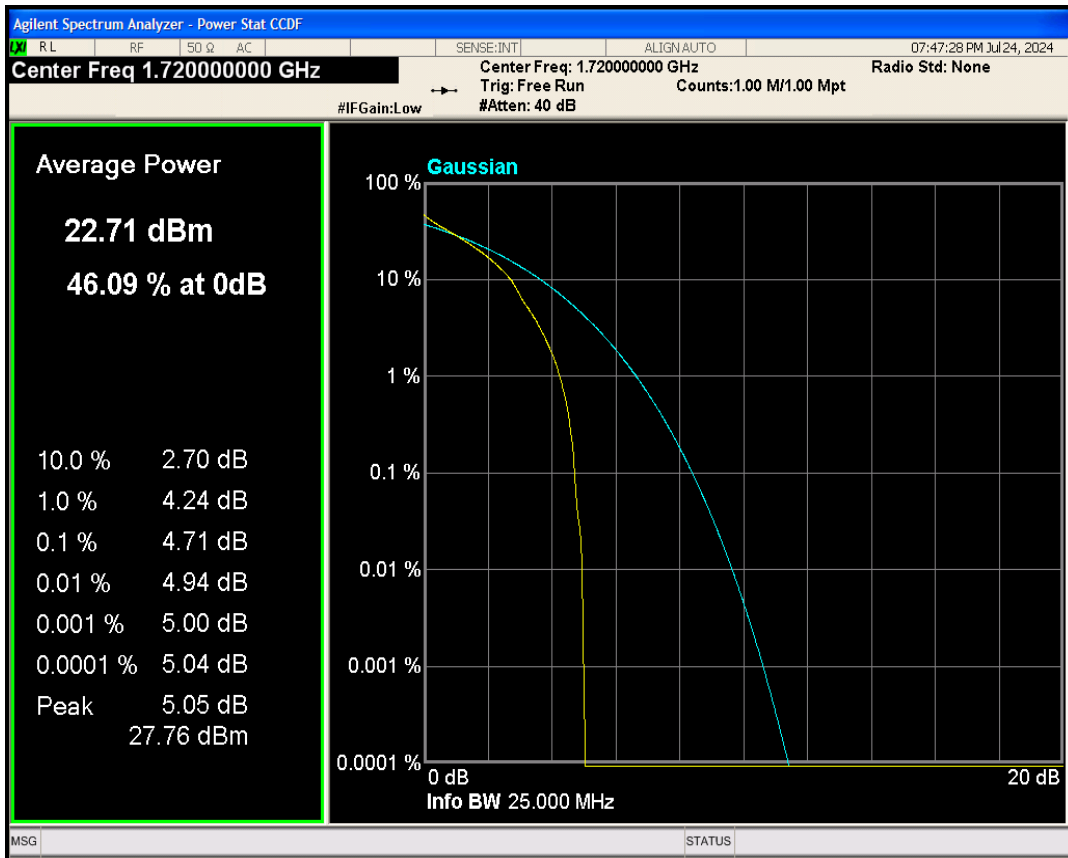
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



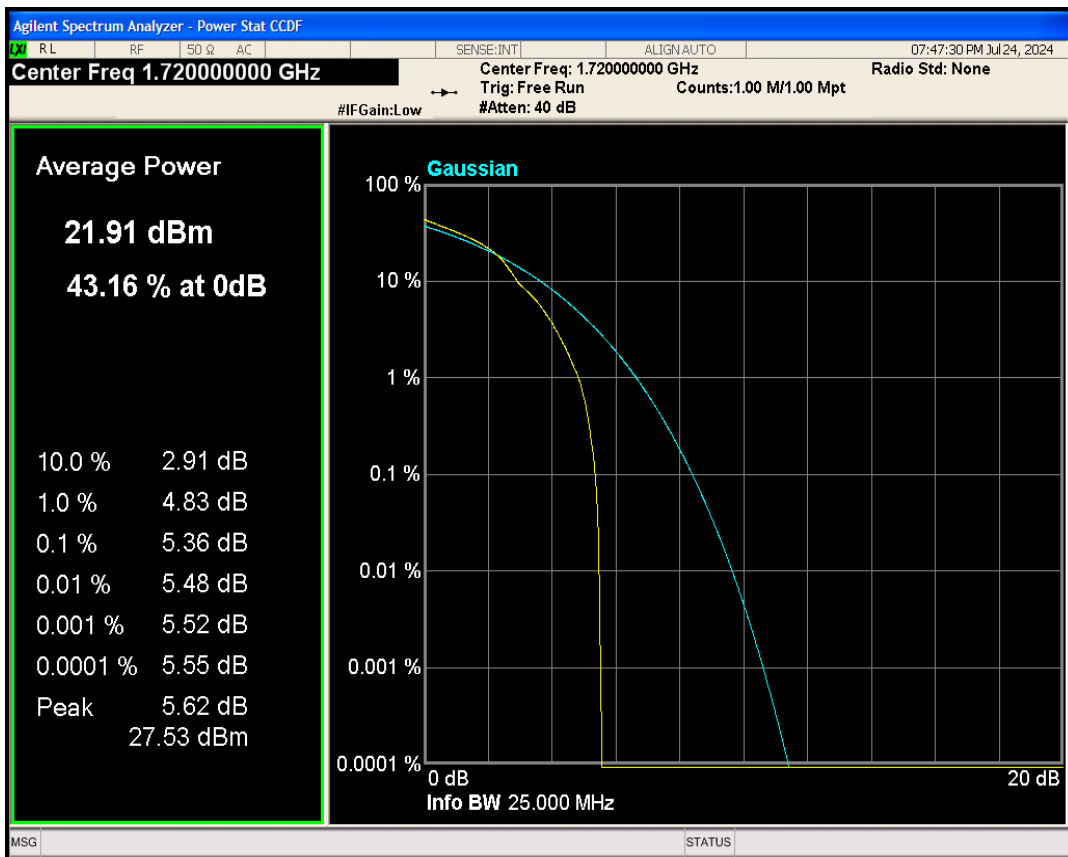
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



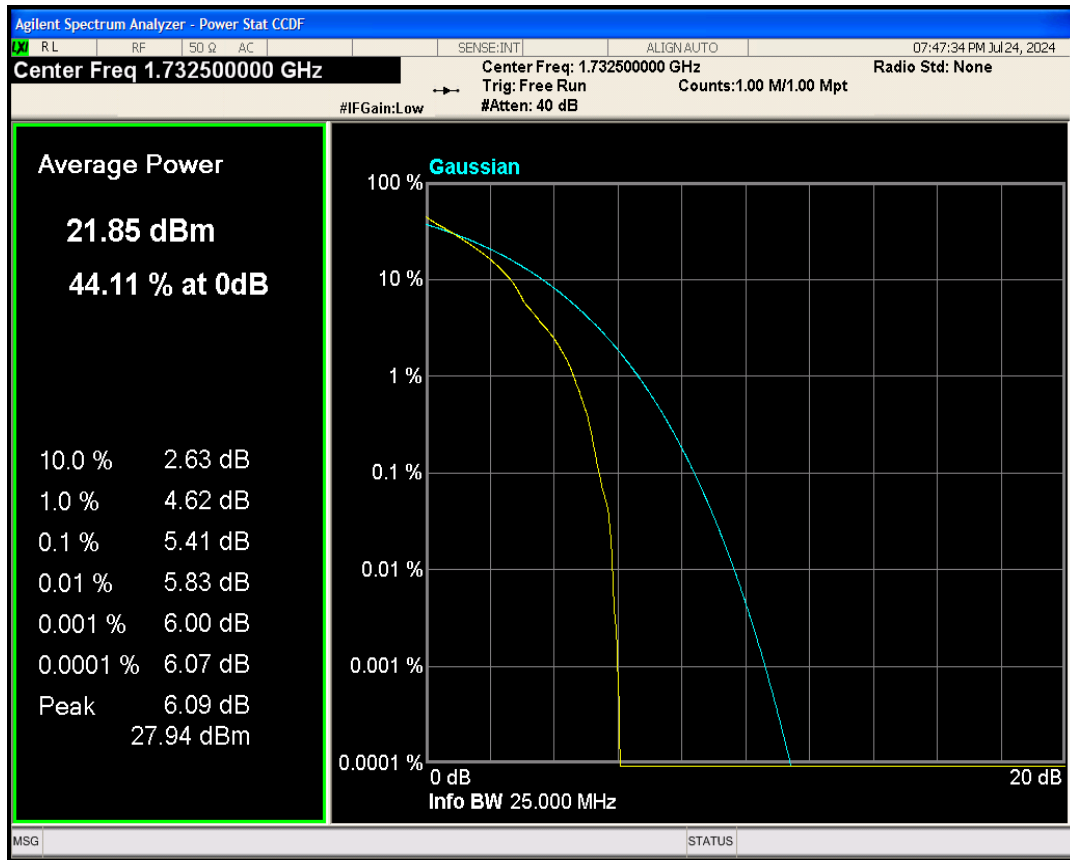
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



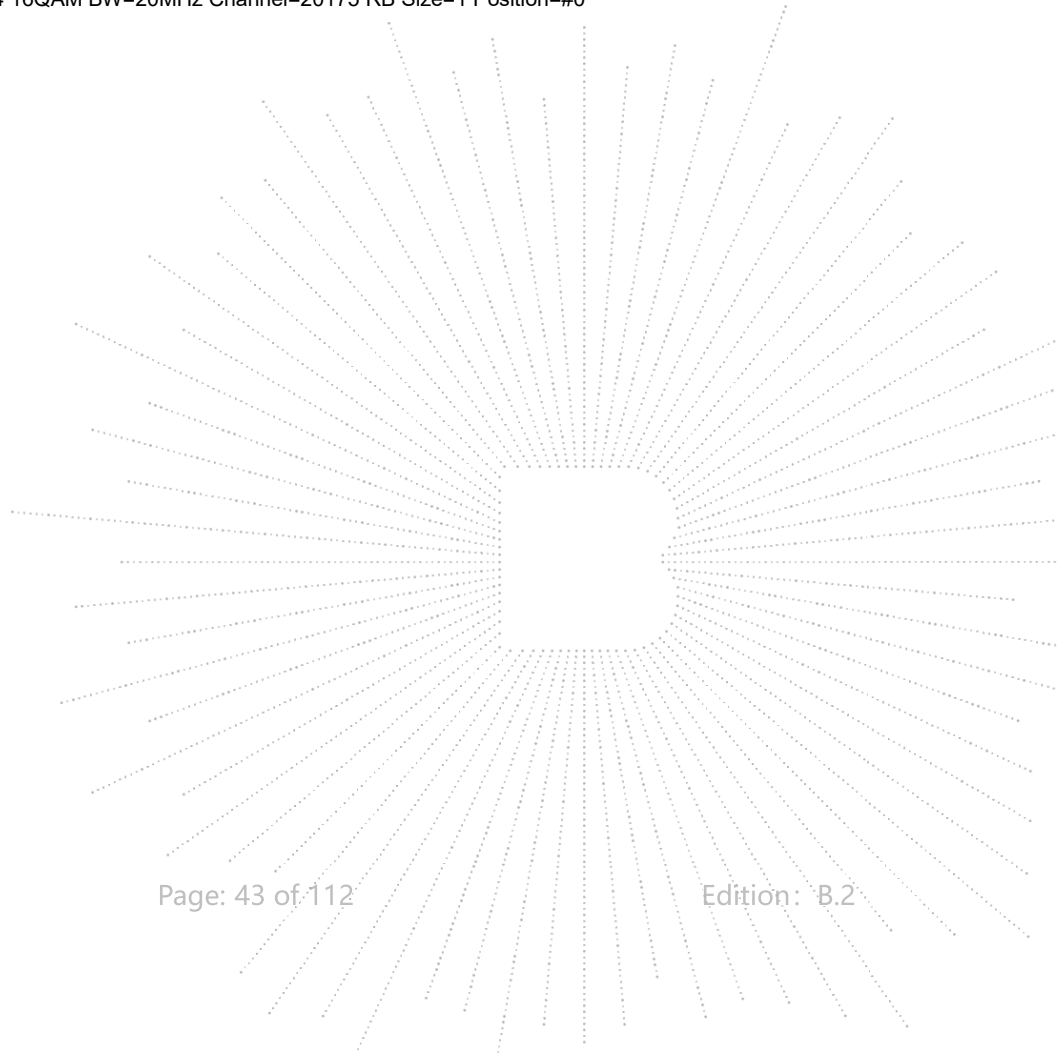
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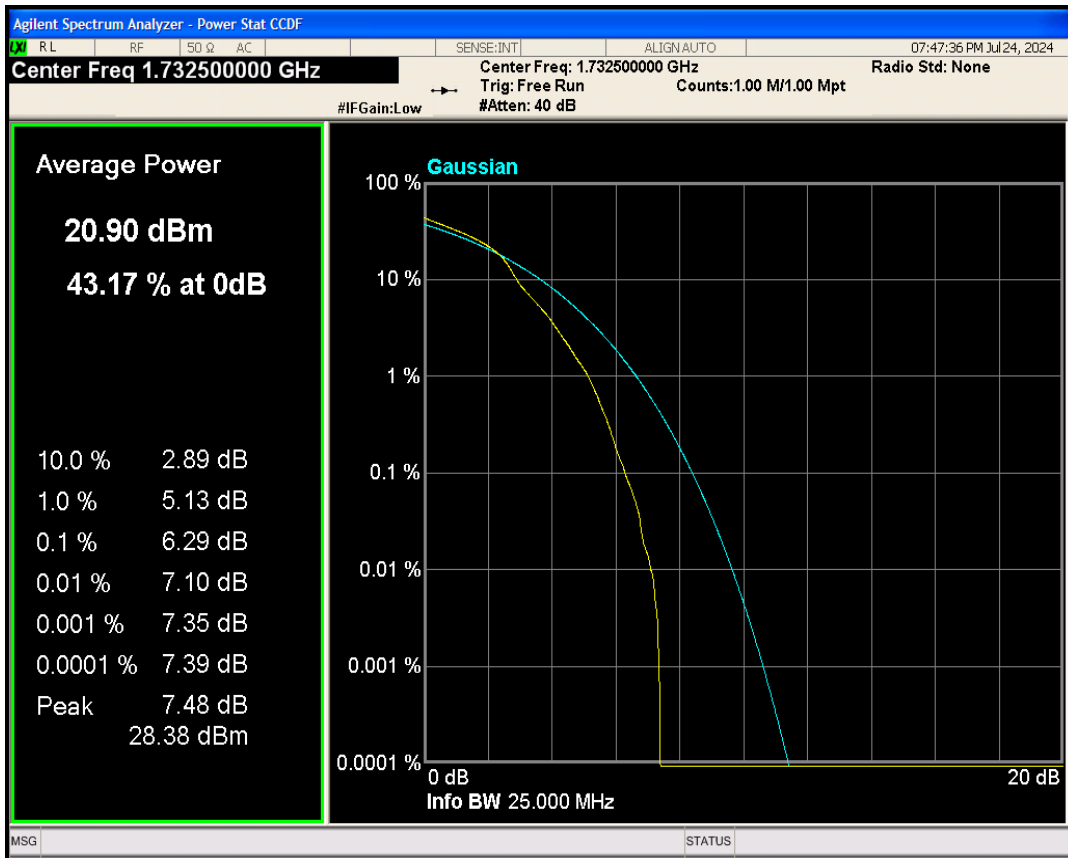


Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

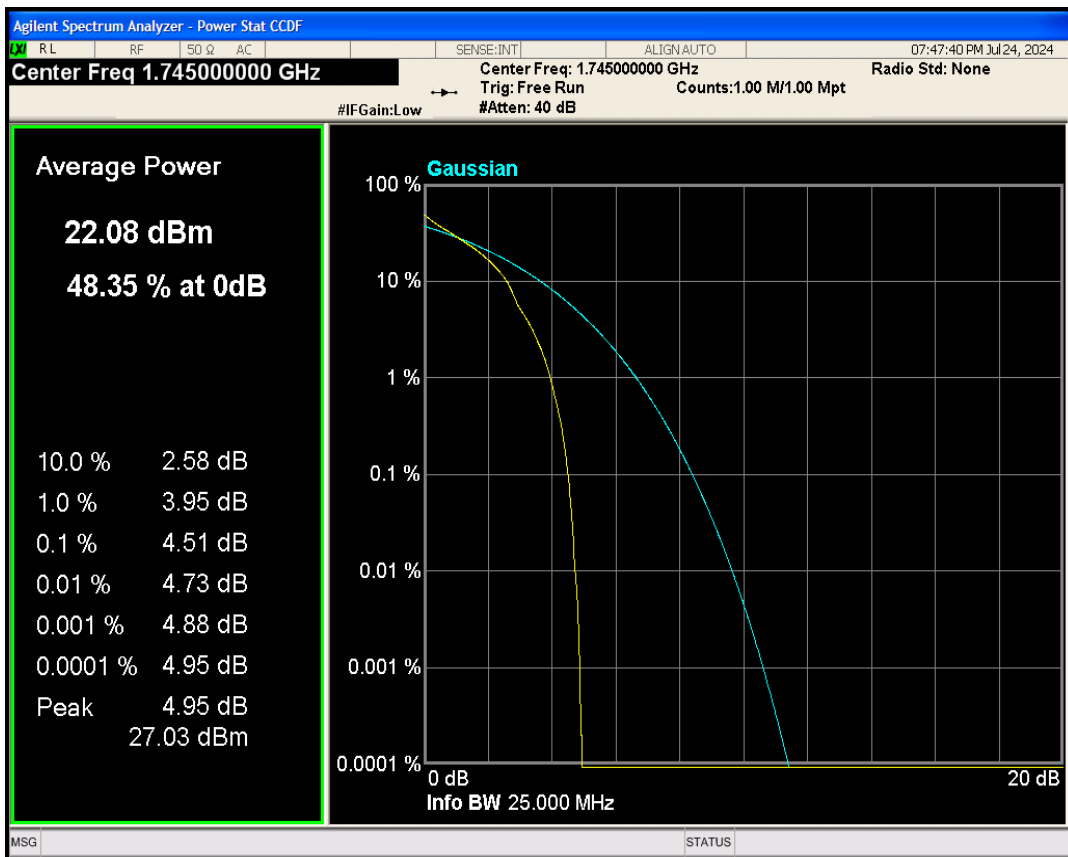


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0

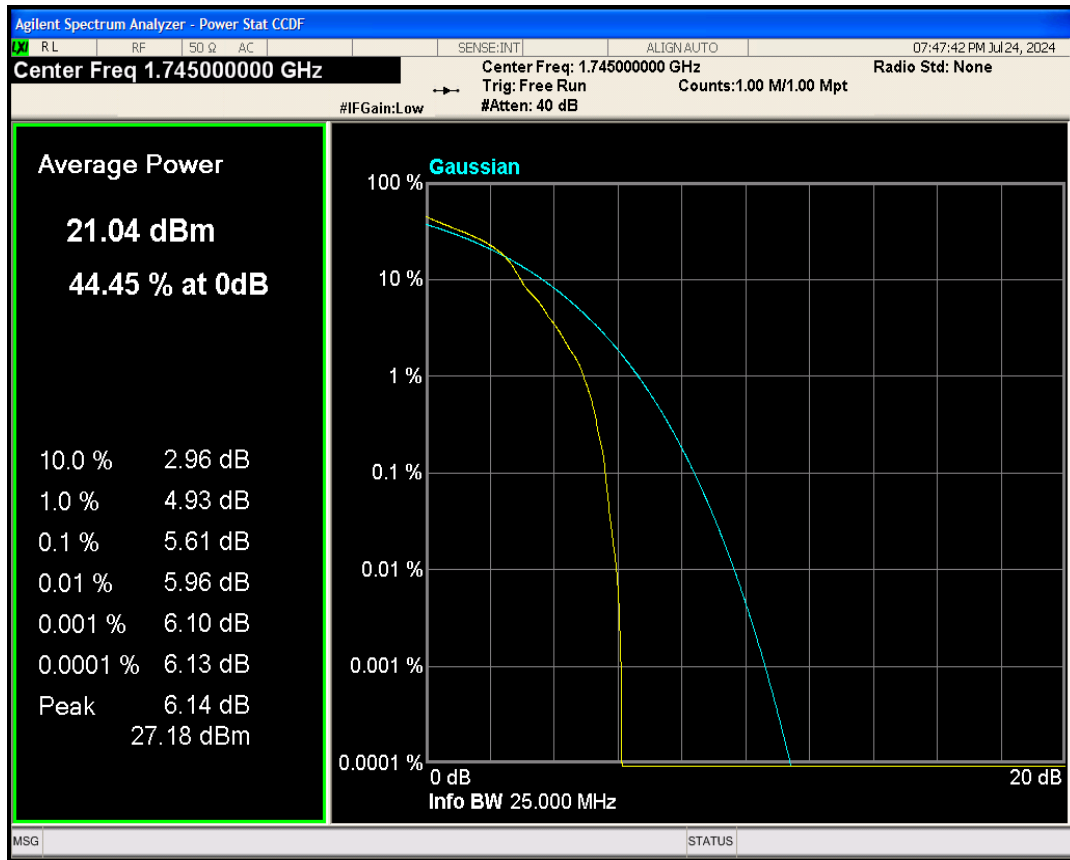




Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



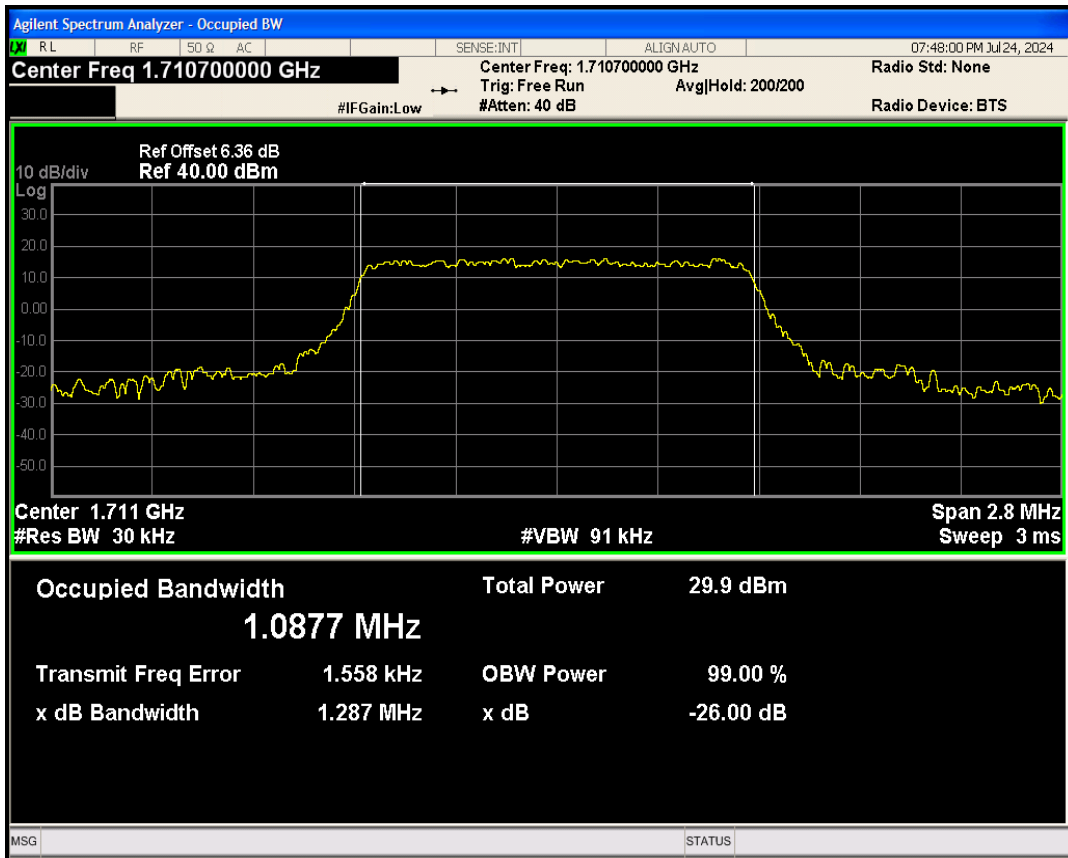
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



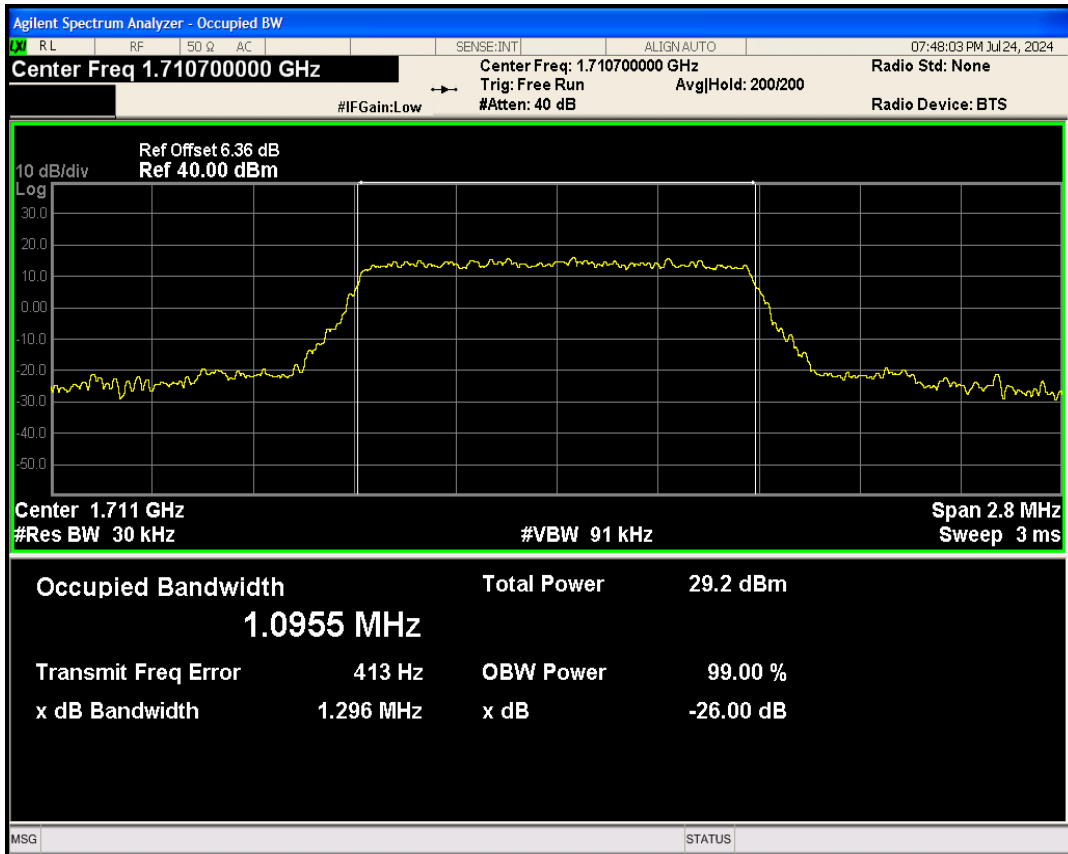
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.088	1.287	PASS
Band4	1.4	19957	6	#0	16QAM	1.096	1.296	PASS
Band4	1.4	20175	6	#0	QPSK	1.096	1.316	PASS
Band4	1.4	20175	6	#0	16QAM	1.090	1.272	PASS
Band4	1.4	20393	6	#0	QPSK	1.108	1.296	PASS
Band4	1.4	20393	6	#0	16QAM	1.101	1.289	PASS
Band4	3	19965	15	#0	QPSK	2.694	2.917	PASS
Band4	3	19965	15	#0	16QAM	2.688	2.911	PASS
Band4	3	20175	15	#0	QPSK	2.691	2.916	PASS
Band4	3	20175	15	#0	16QAM	2.701	2.927	PASS
Band4	3	20385	15	#0	QPSK	2.701	2.924	PASS
Band4	3	20385	15	#0	16QAM	2.689	2.909	PASS
Band4	5	19975	25	#0	QPSK	4.500	4.919	PASS
Band4	5	19975	25	#0	16QAM	4.504	4.884	PASS
Band4	5	20175	25	#0	QPSK	4.513	4.893	PASS
Band4	5	20175	25	#0	16QAM	4.508	4.895	PASS
Band4	5	20375	25	#0	QPSK	4.509	4.868	PASS
Band4	5	20375	25	#0	16QAM	4.520	4.889	PASS
Band4	10	20000	50	#0	QPSK	8.972	9.719	PASS
Band4	10	20000	50	#0	16QAM	8.986	9.609	PASS
Band4	10	20175	50	#0	QPSK	8.977	9.680	PASS
Band4	10	20175	50	#0	16QAM	8.989	9.659	PASS
Band4	10	20350	50	#0	QPSK	8.967	9.639	PASS
Band4	10	20350	50	#0	16QAM	8.978	9.793	PASS
Band4	15	20025	75	#0	QPSK	13.468	14.598	PASS
Band4	15	20025	75	#0	16QAM	13.455	14.522	PASS
Band4	15	20175	75	#0	QPSK	13.406	14.560	PASS
Band4	15	20175	75	#0	16QAM	13.441	14.405	PASS
Band4	15	20325	75	#0	QPSK	13.460	14.518	PASS
Band4	15	20325	75	#0	16QAM	13.436	14.420	PASS
Band4	20	20050	100	#0	QPSK	18.021	19.314	PASS
Band4	20	20050	100	#0	16QAM	17.999	19.135	PASS
Band4	20	20175	100	#0	QPSK	17.947	19.395	PASS
Band4	20	20175	100	#0	16QAM	17.942	19.195	PASS
Band4	20	20300	100	#0	QPSK	17.952	19.304	PASS
Band4	20	20300	100	#0	16QAM	17.971	19.175	PASS

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

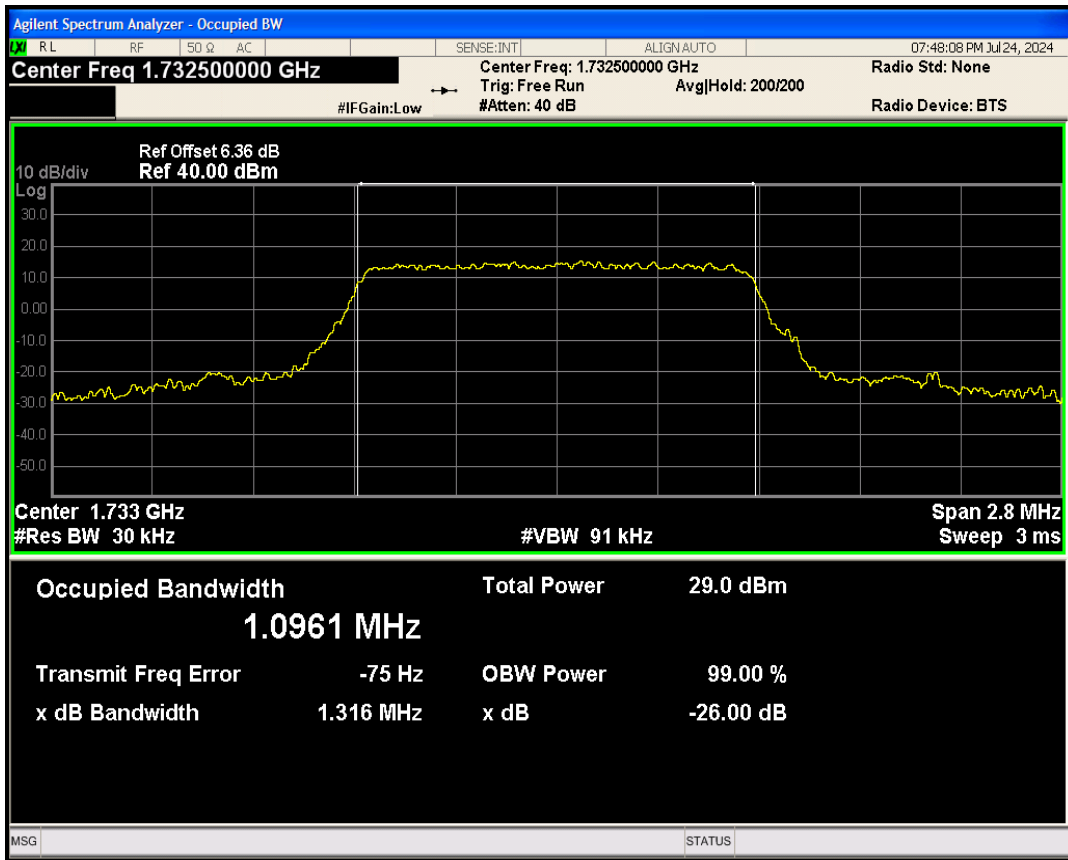


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

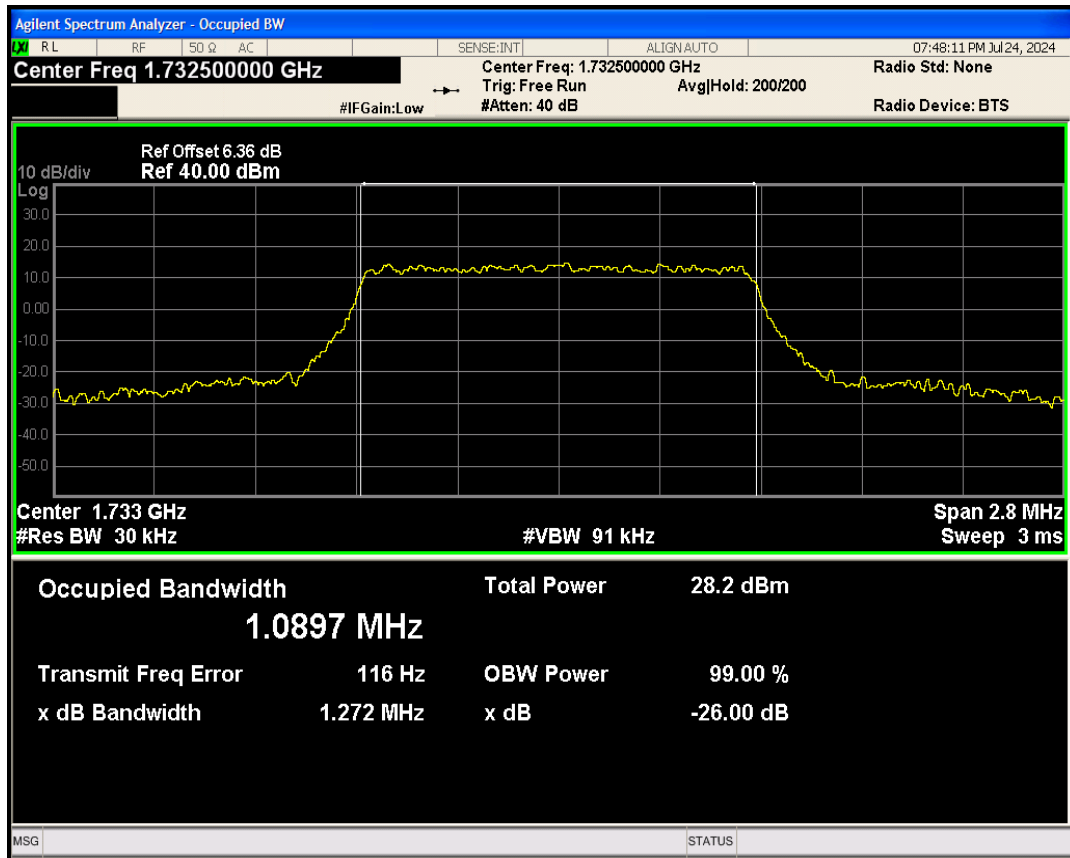




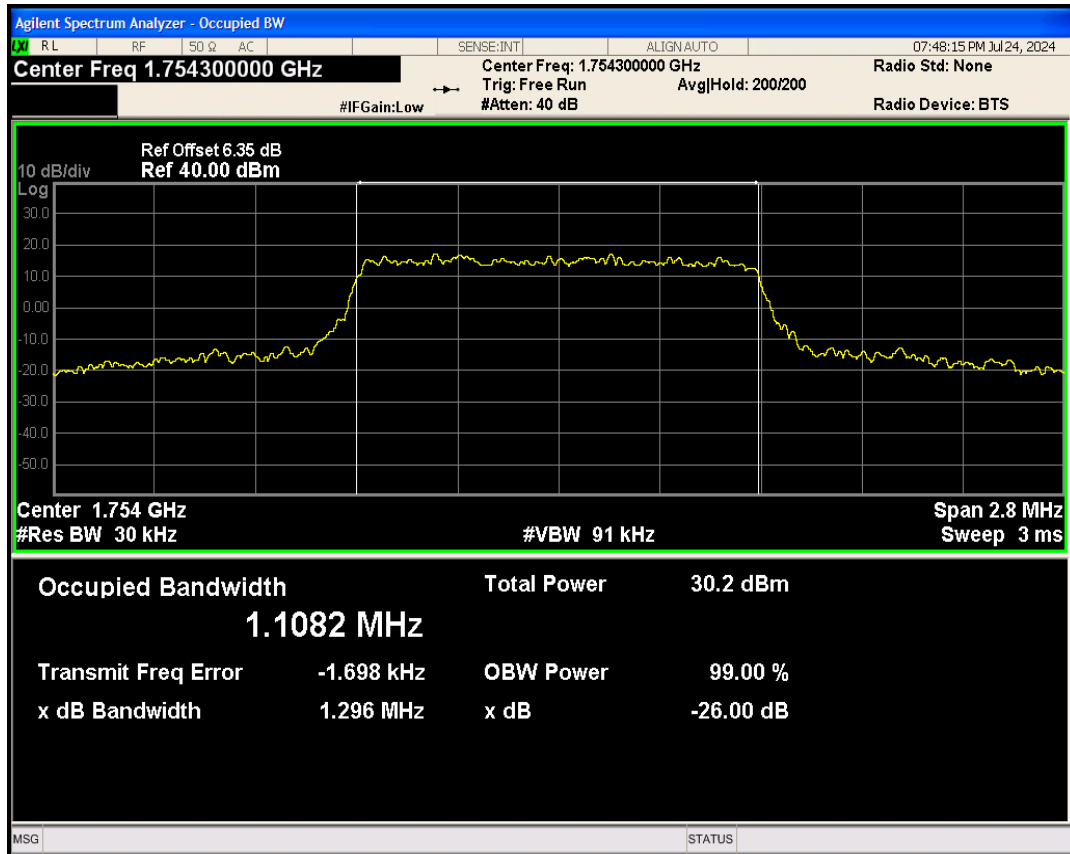
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



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

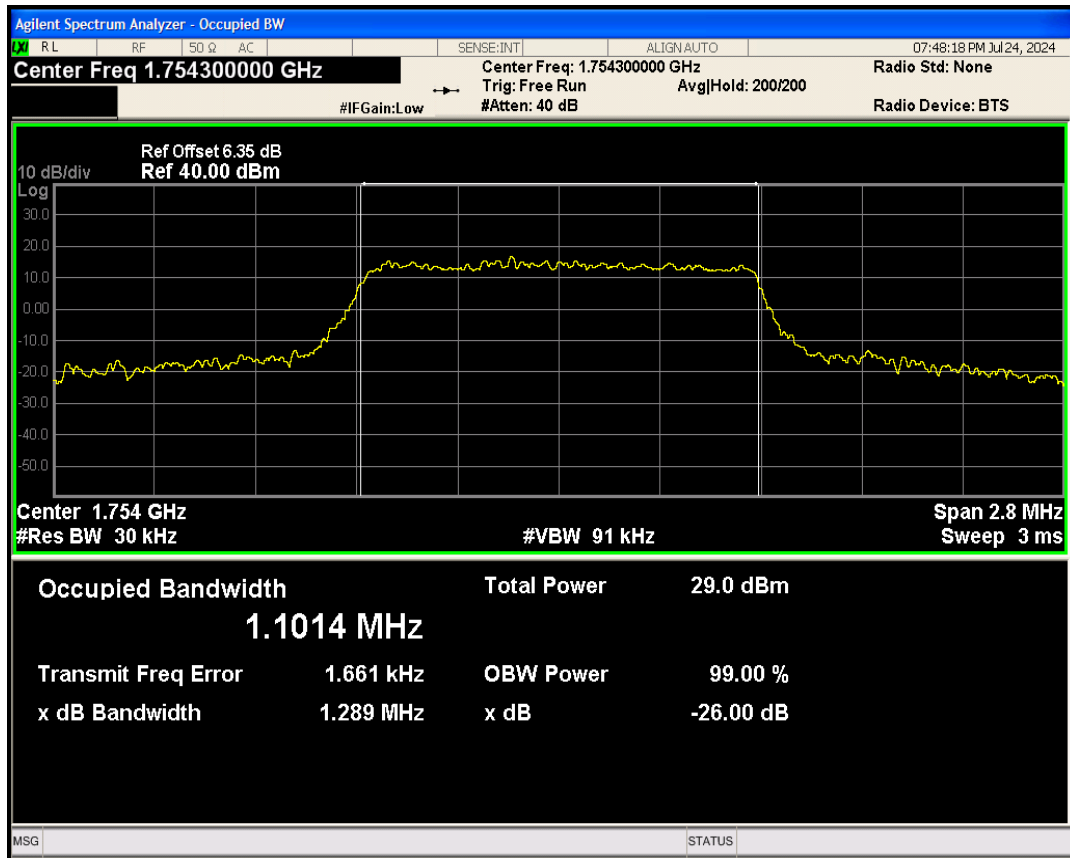


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

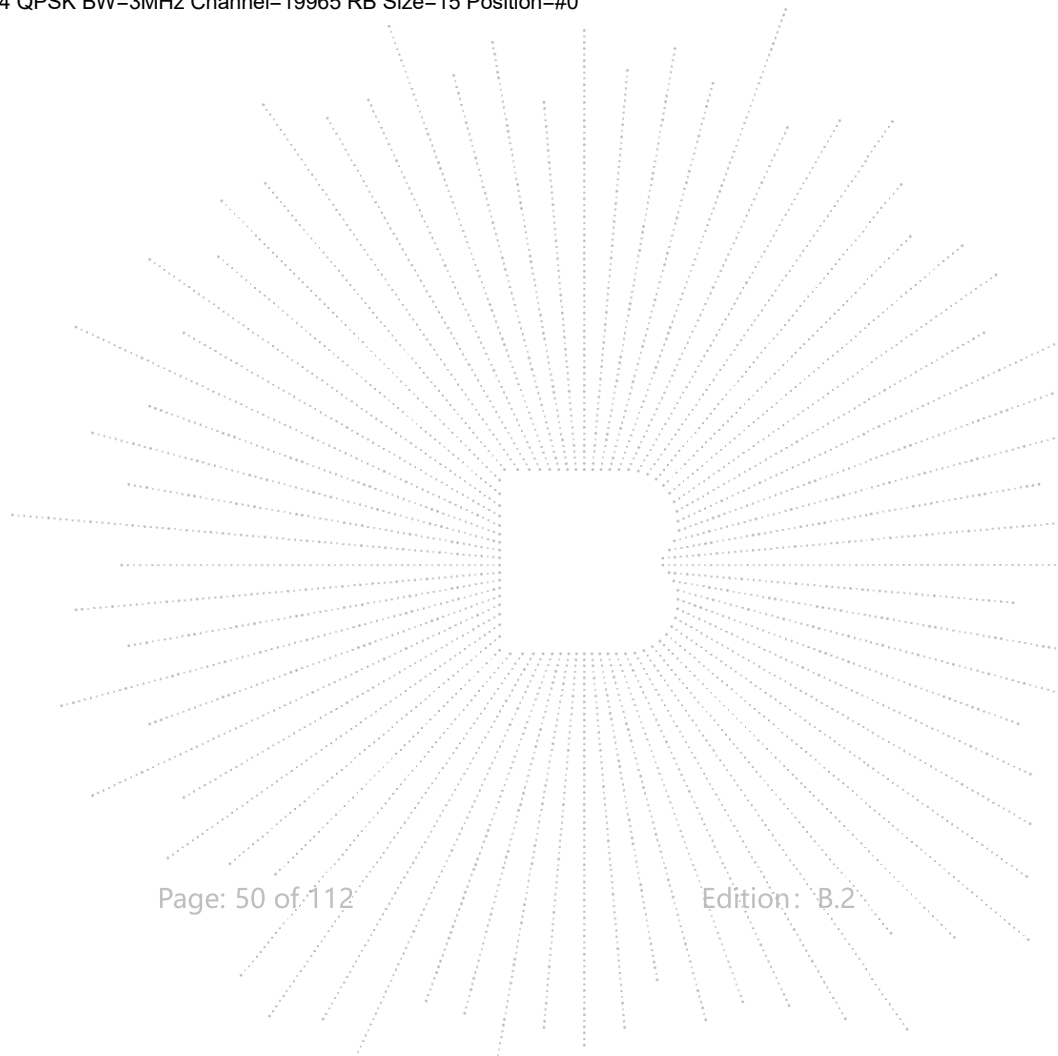


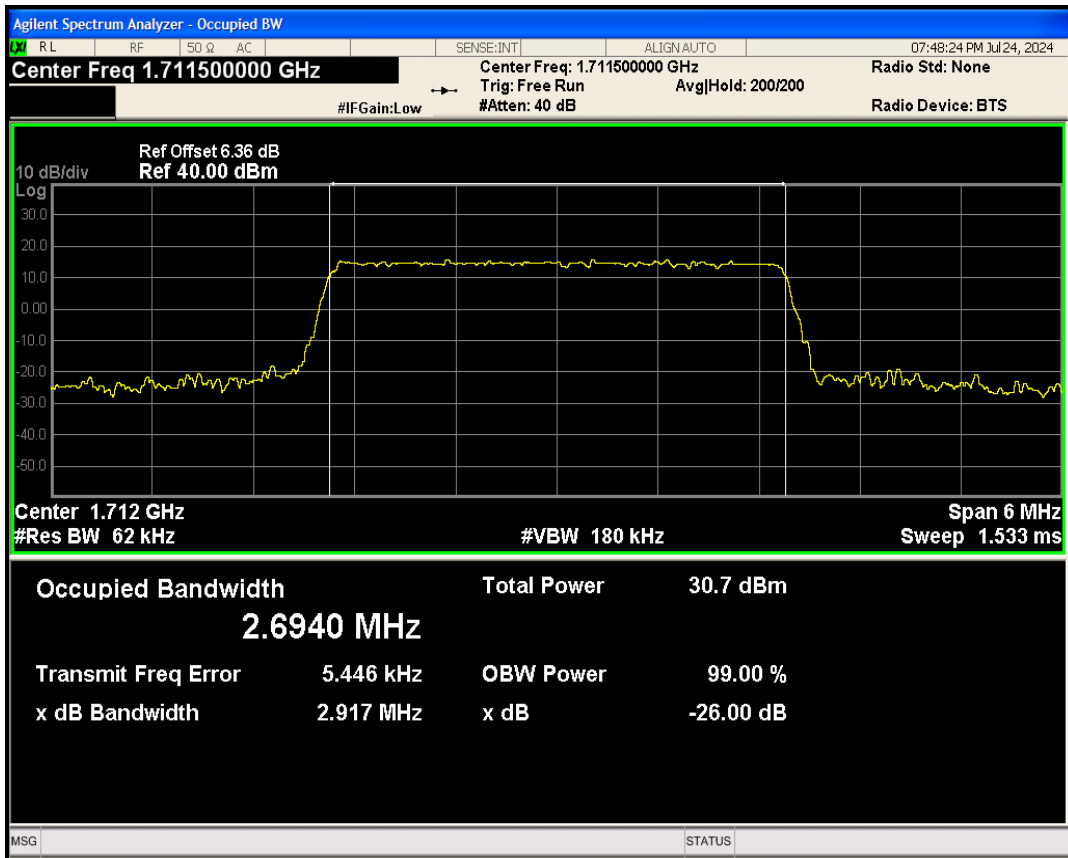


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

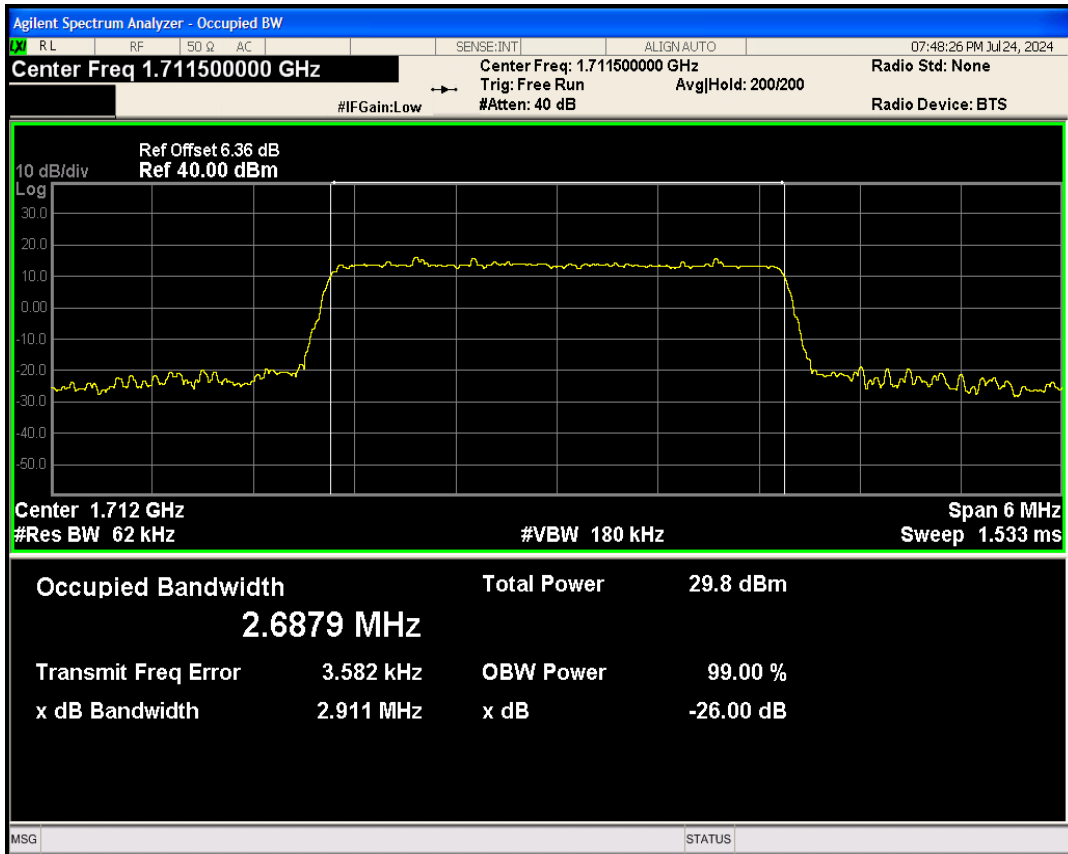


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

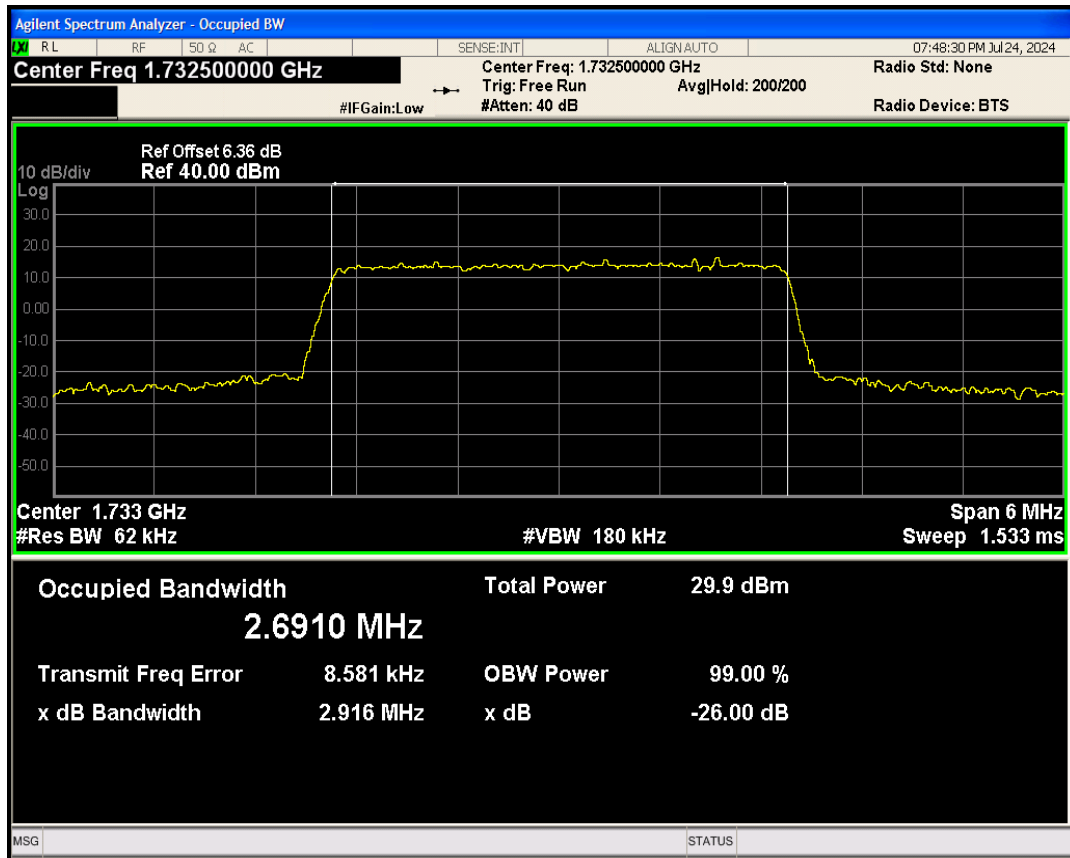




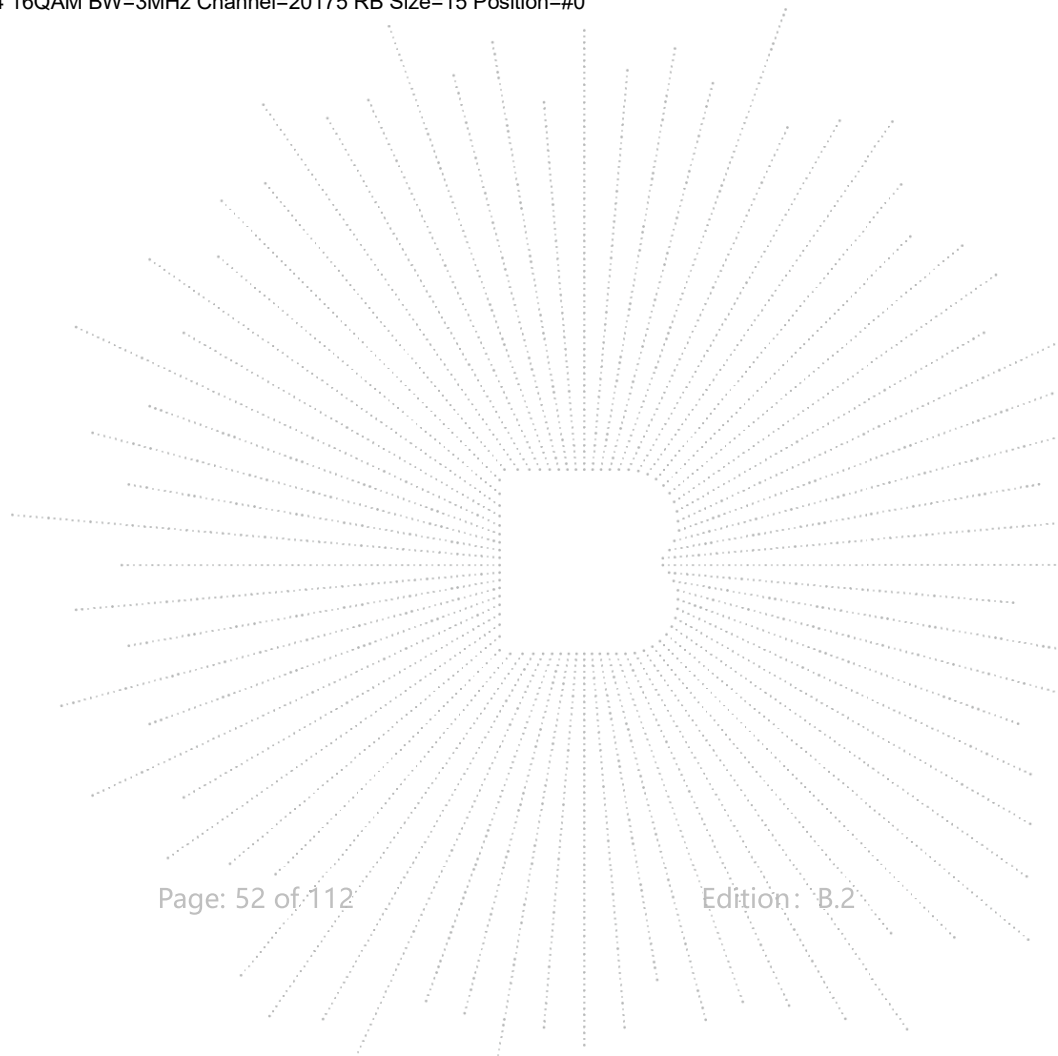
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

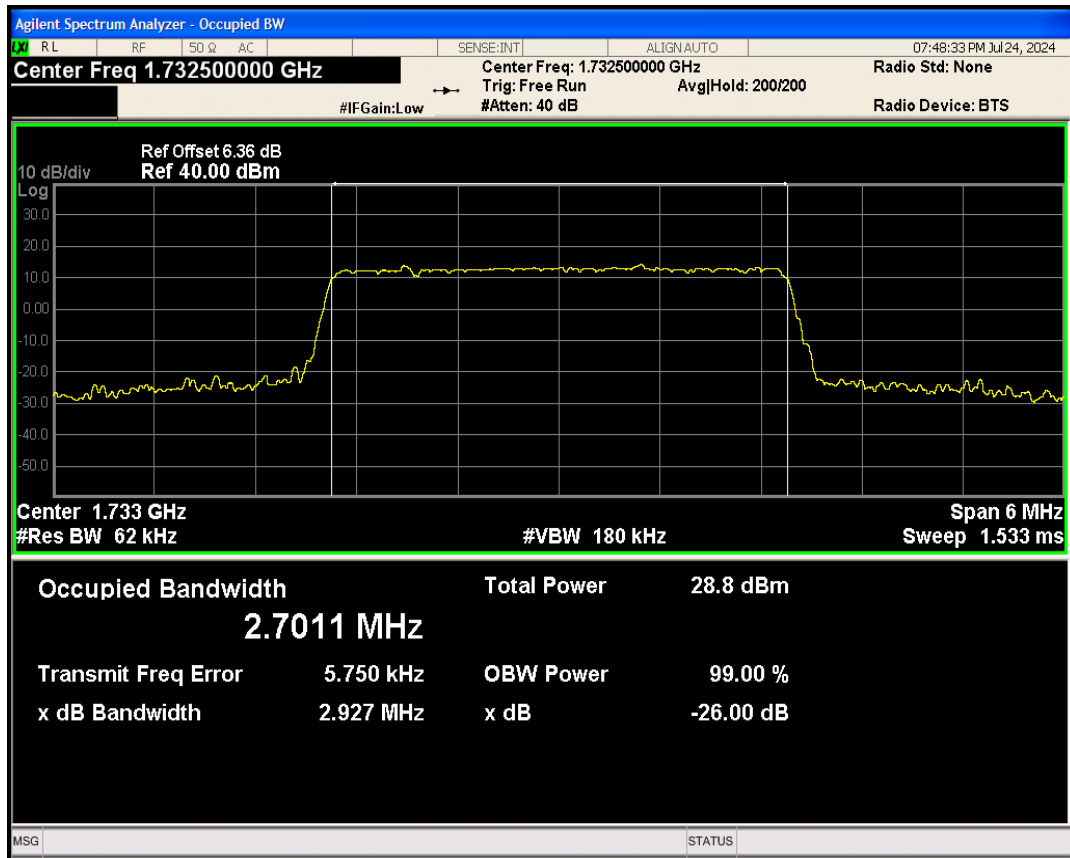


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

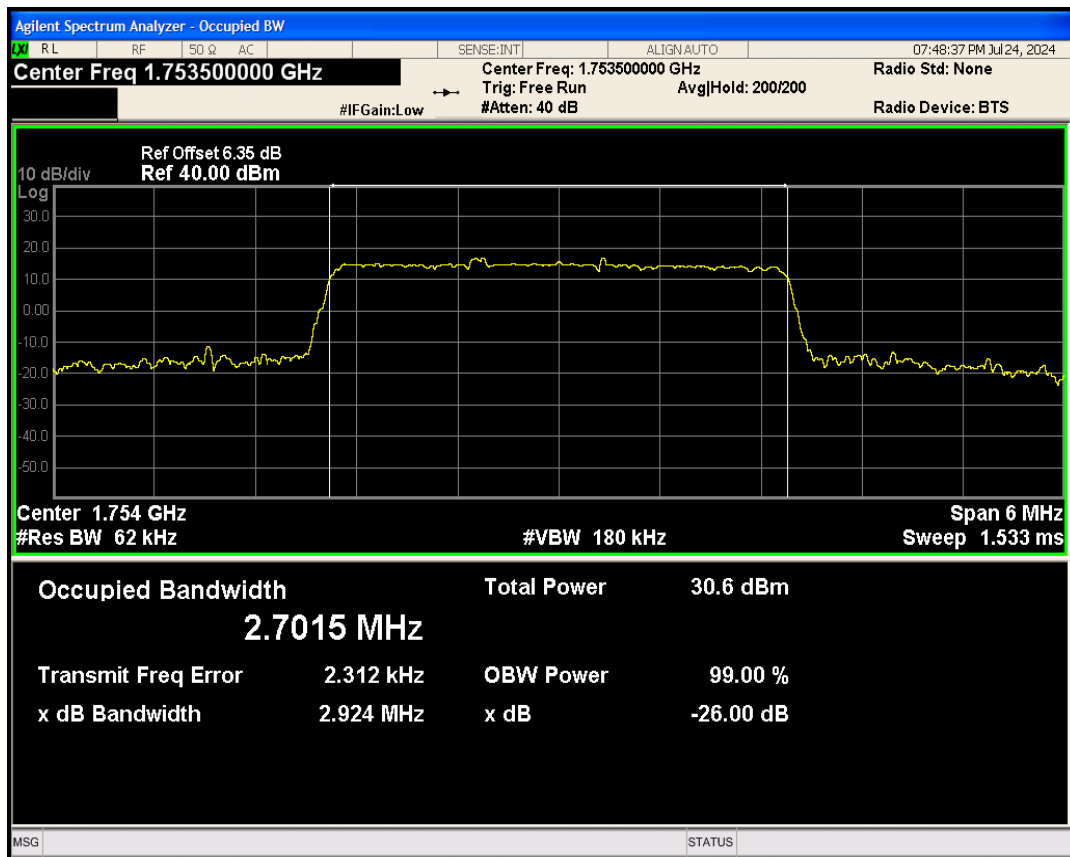


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



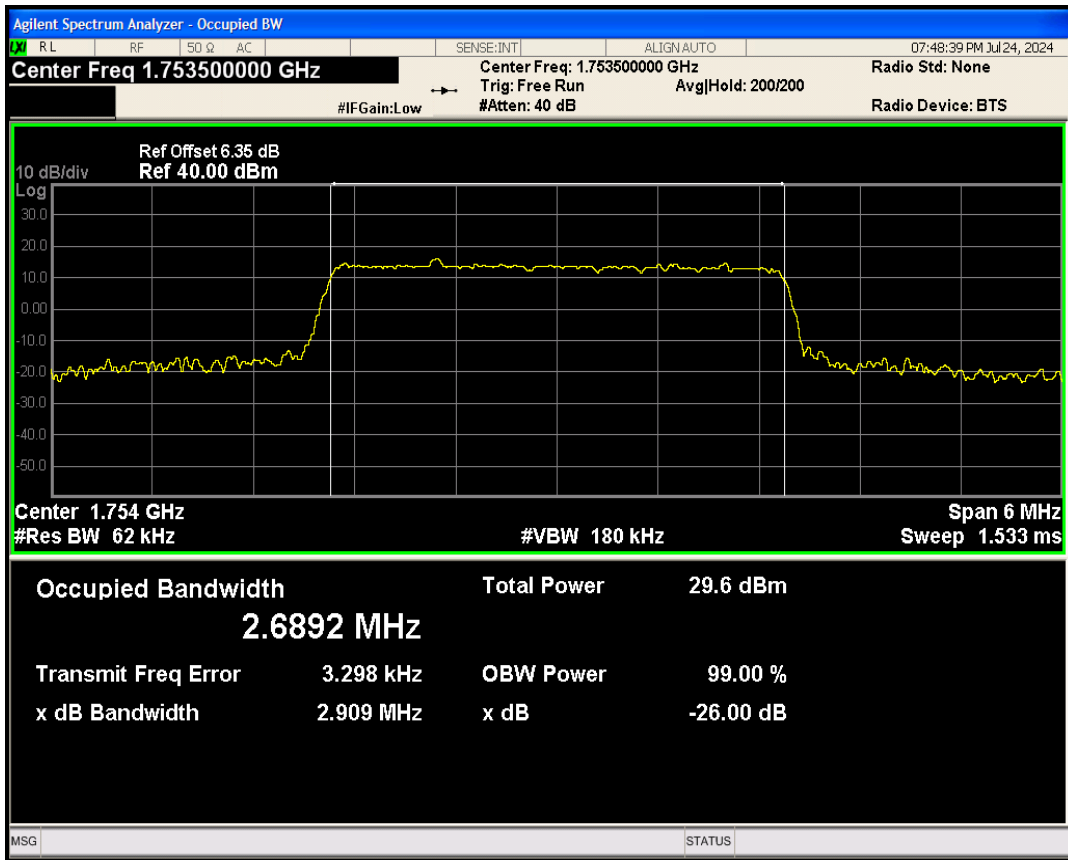


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

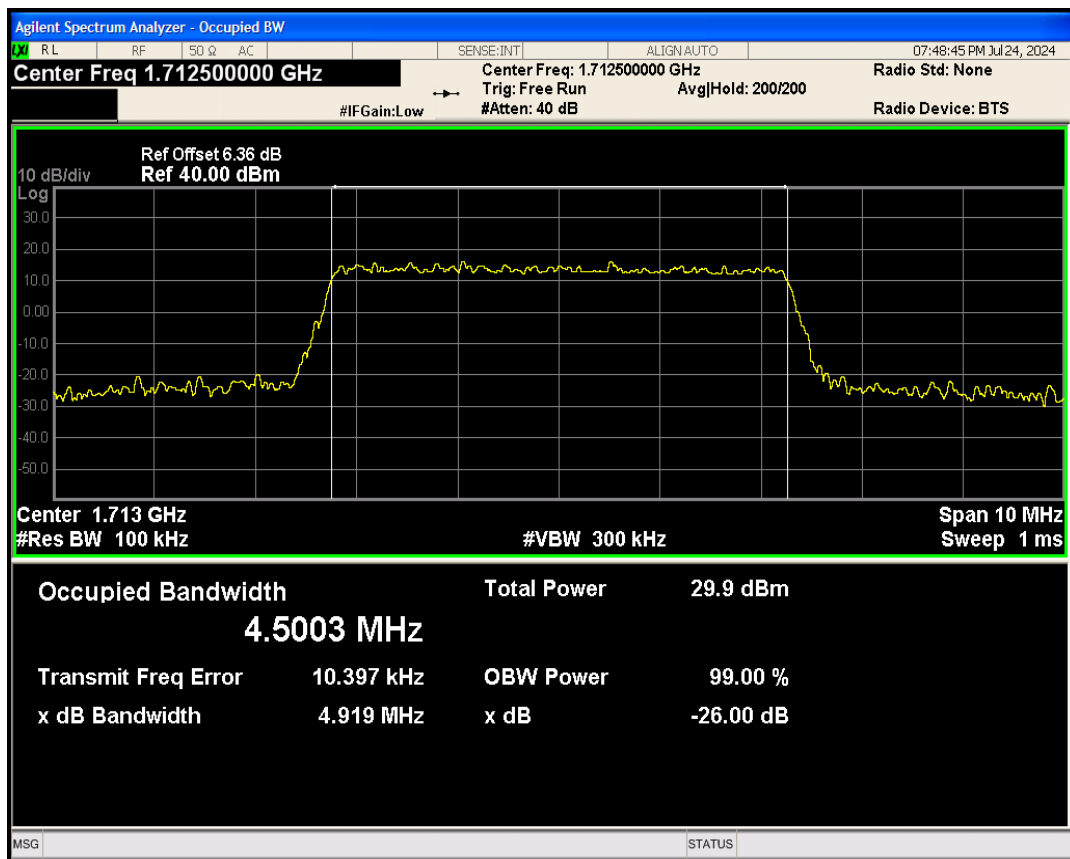




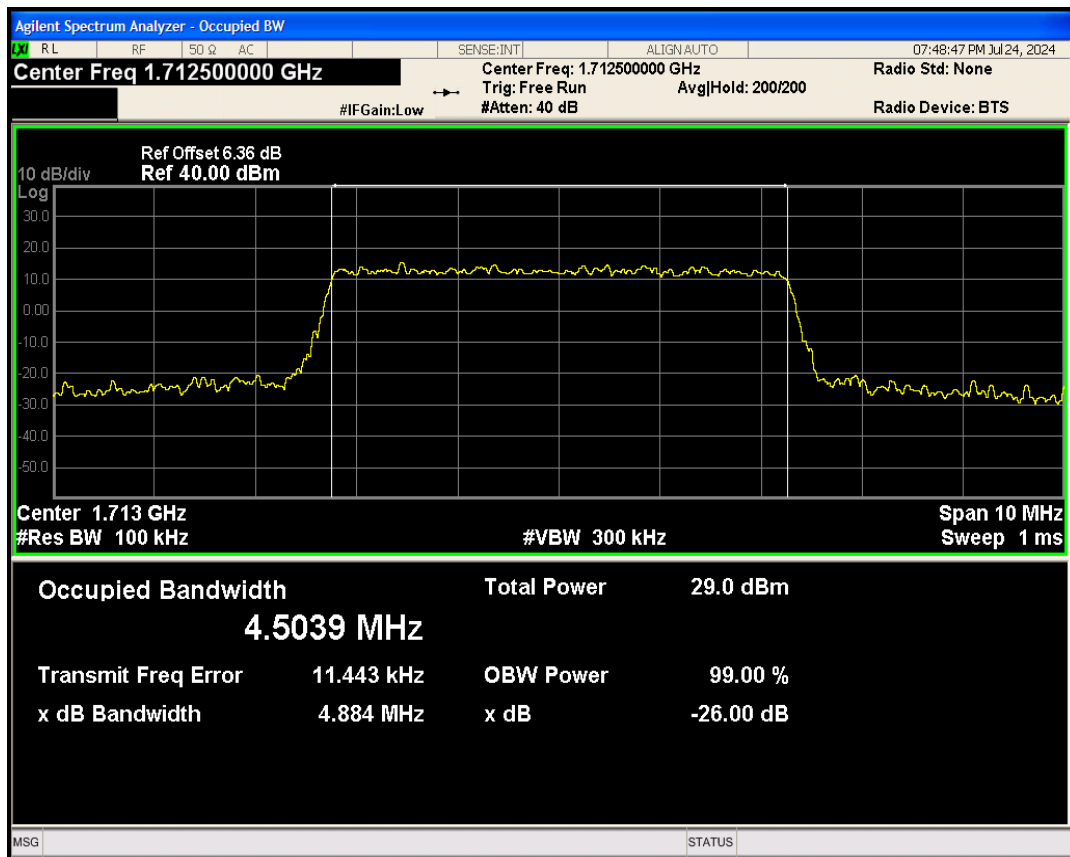
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



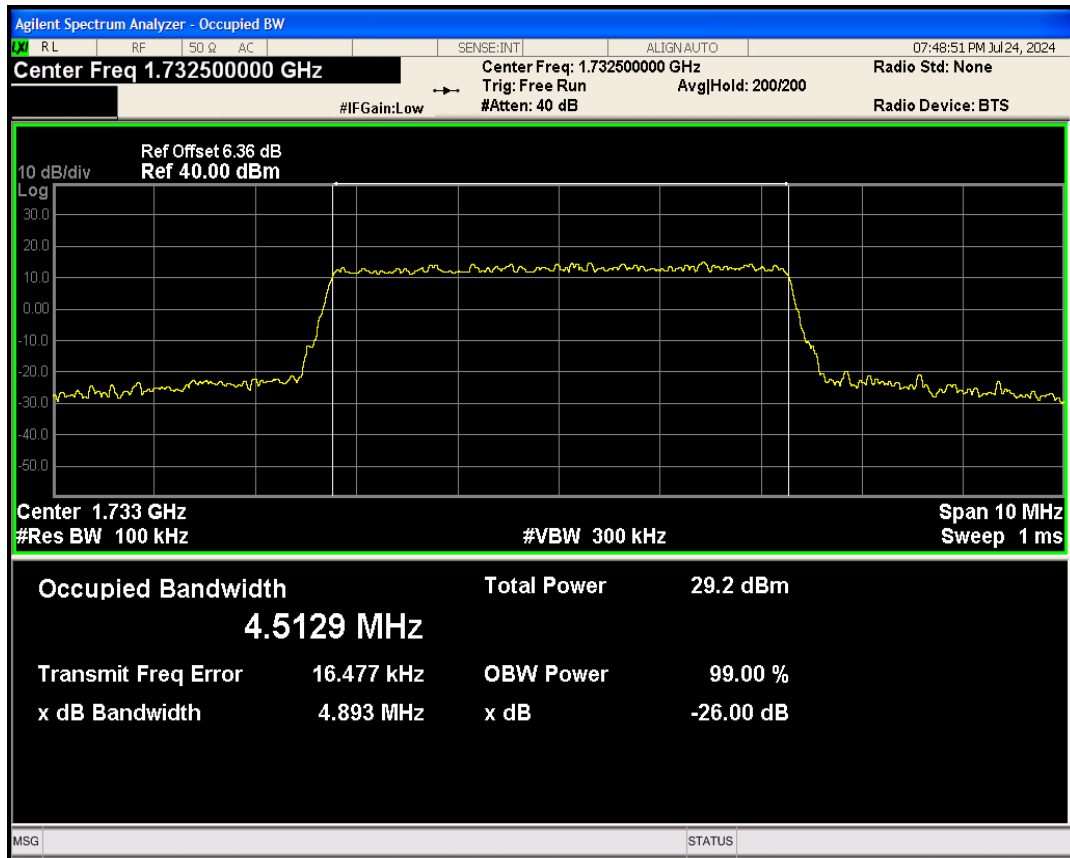
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



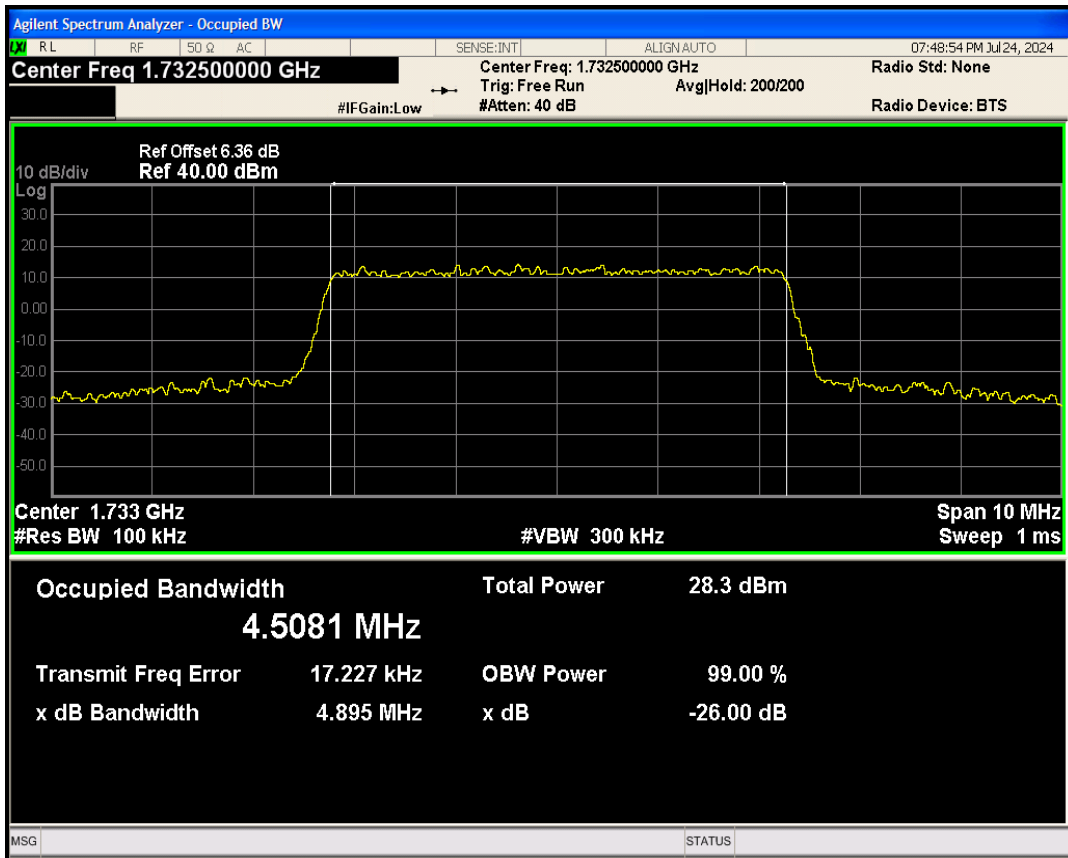
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



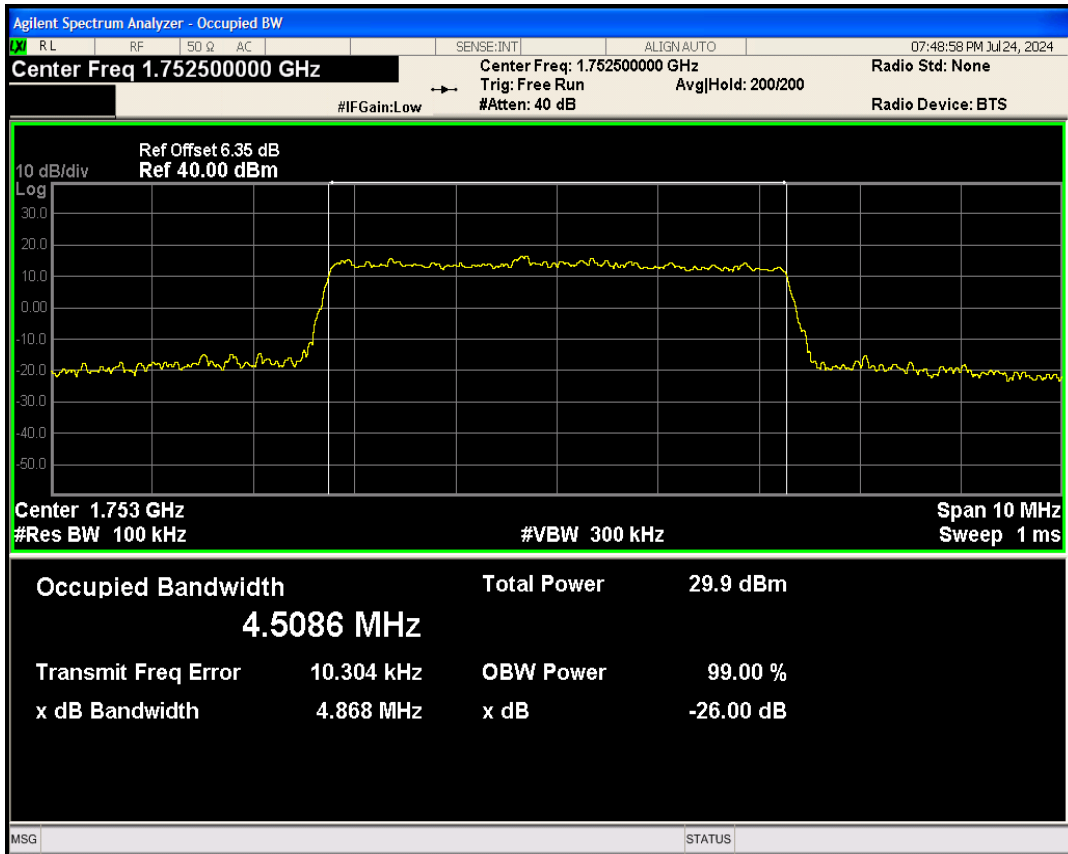
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



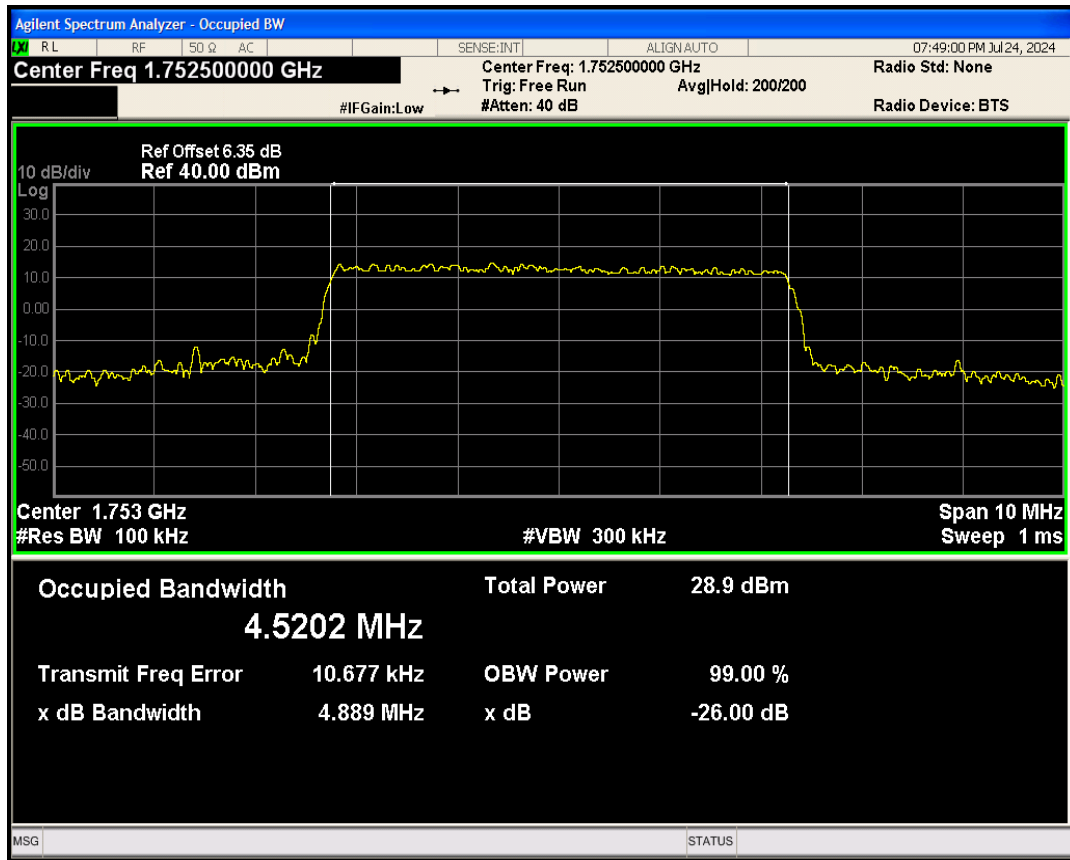
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



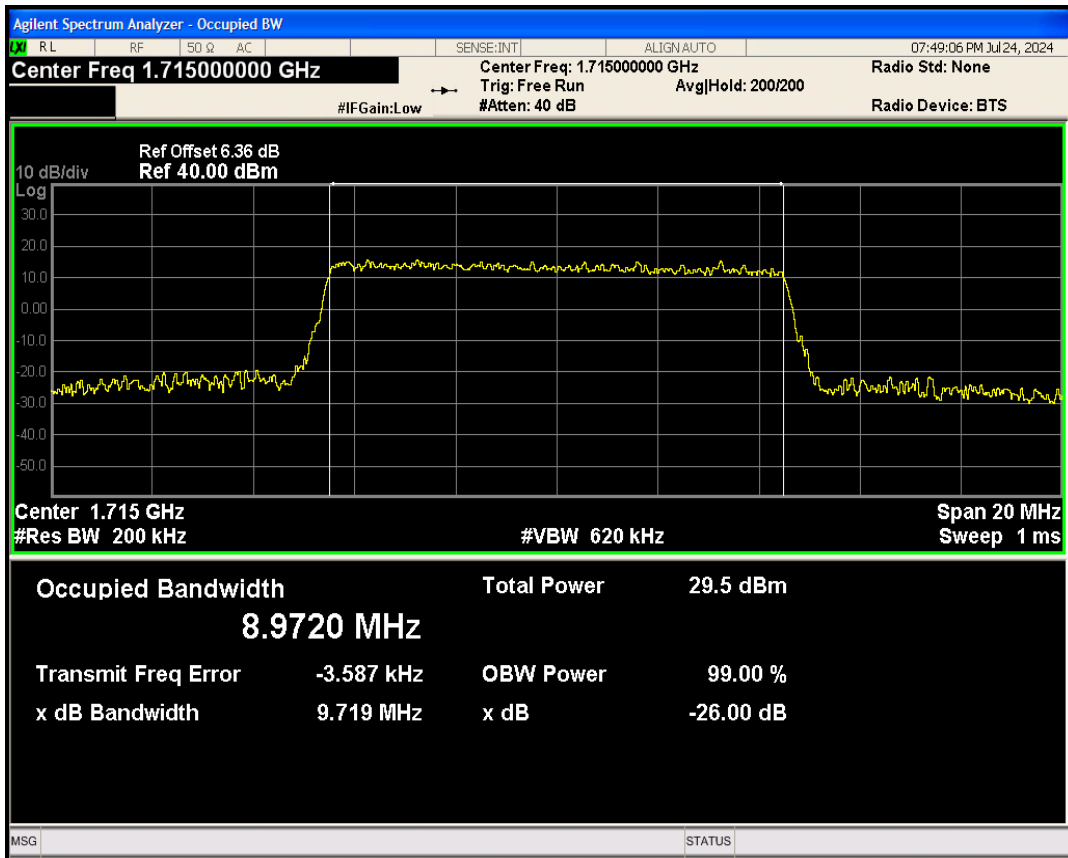
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



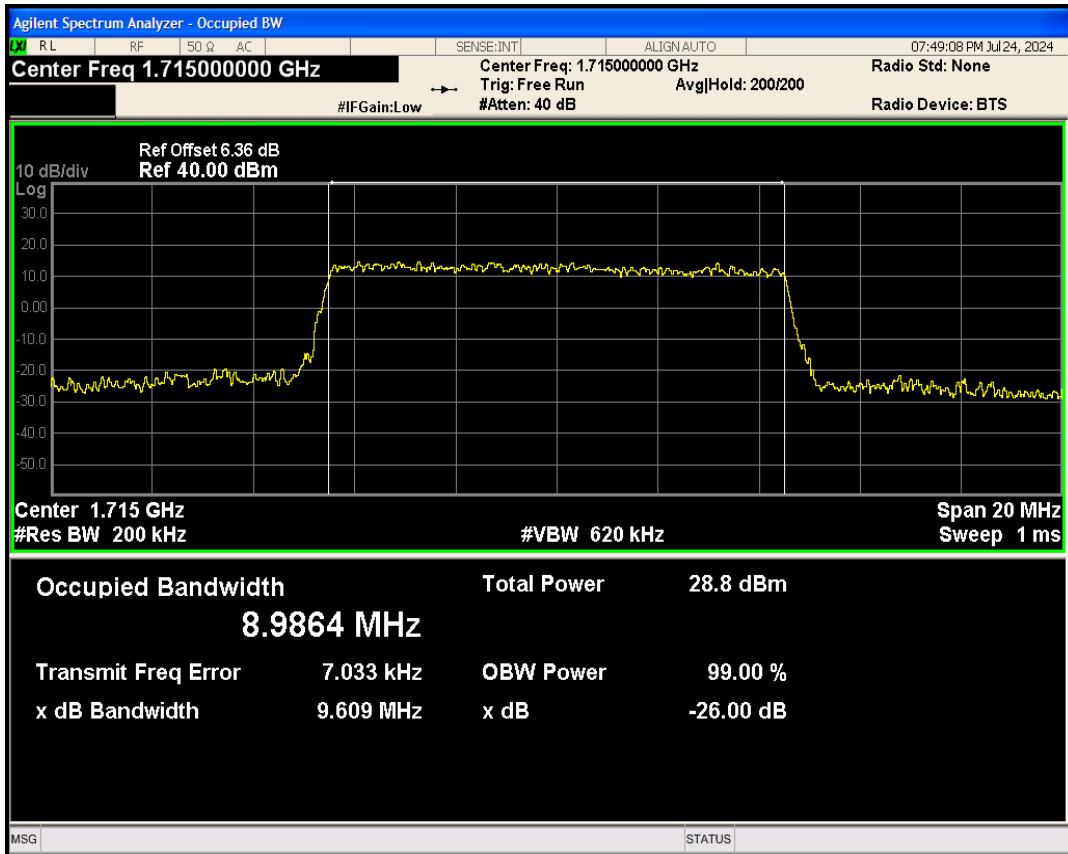
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



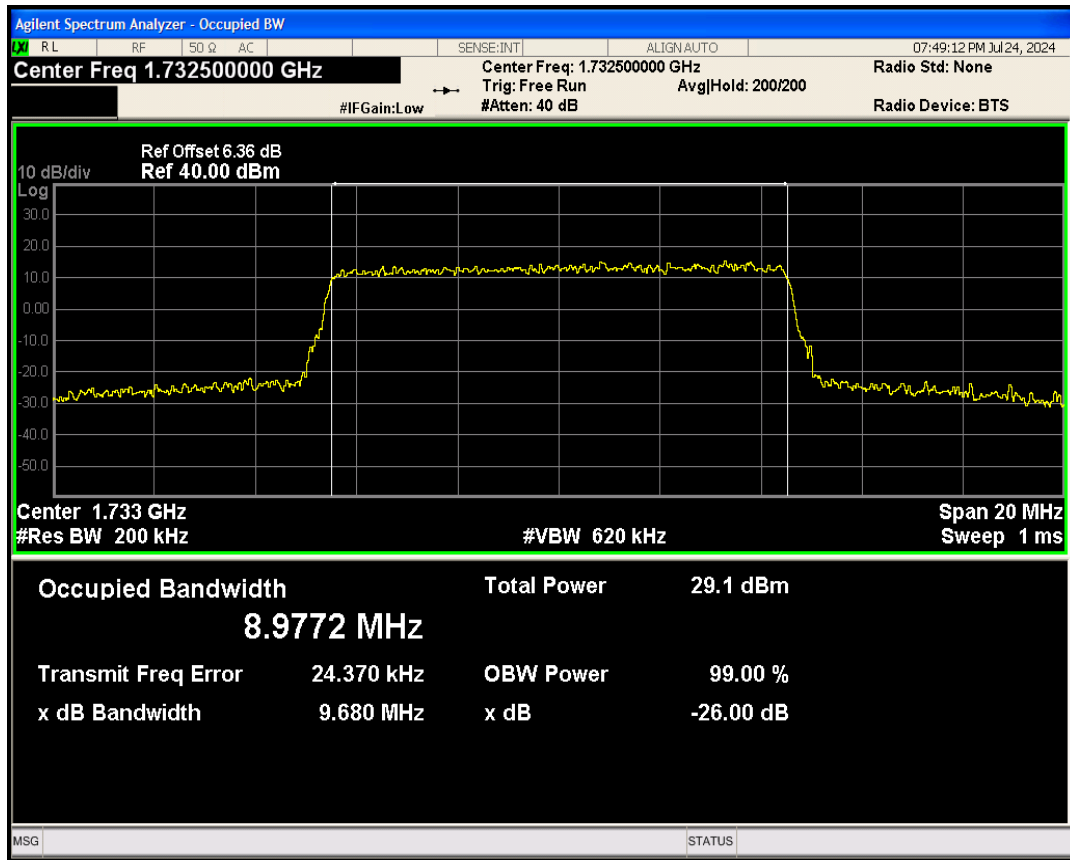
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



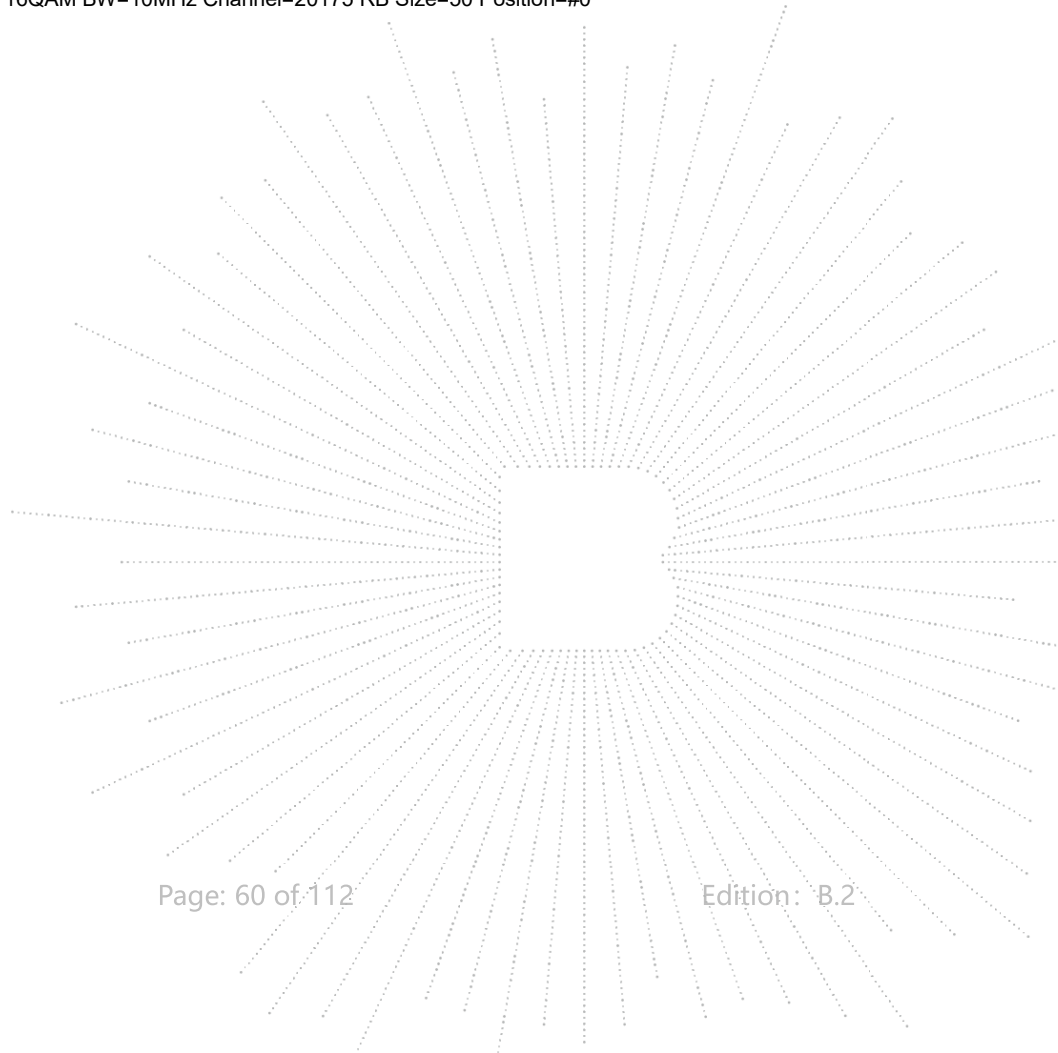
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

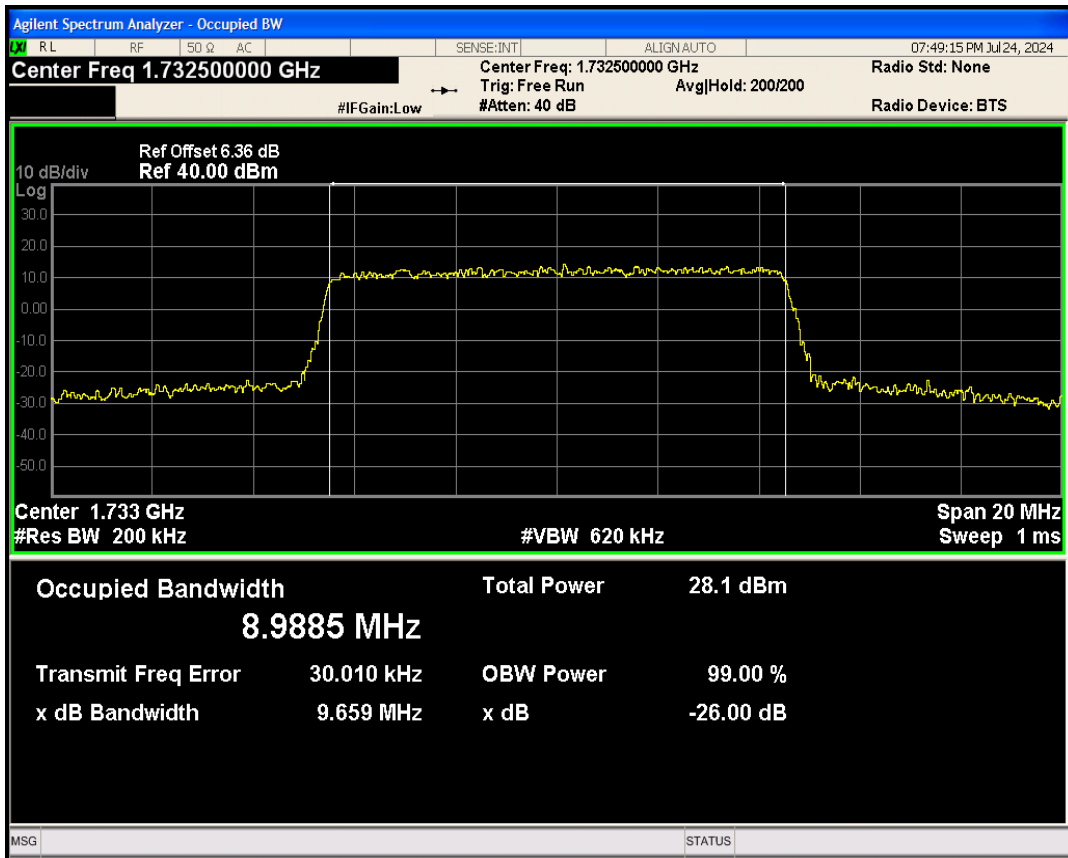


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

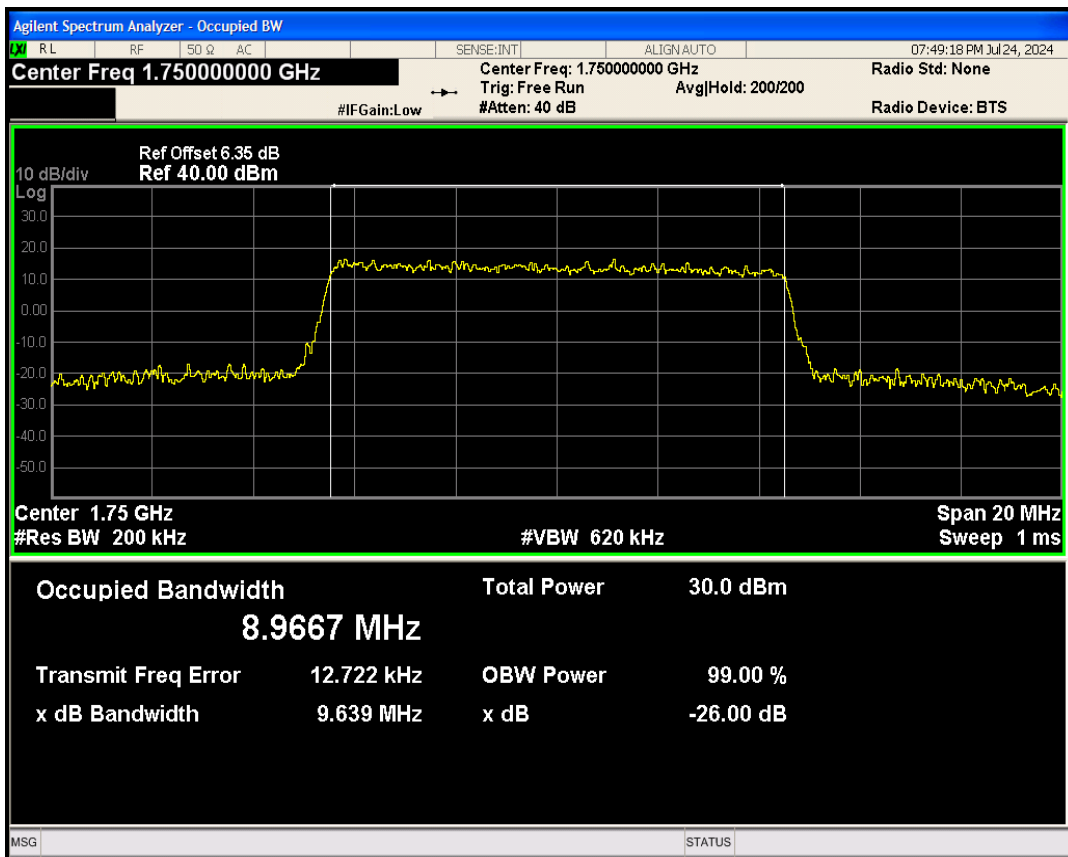


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



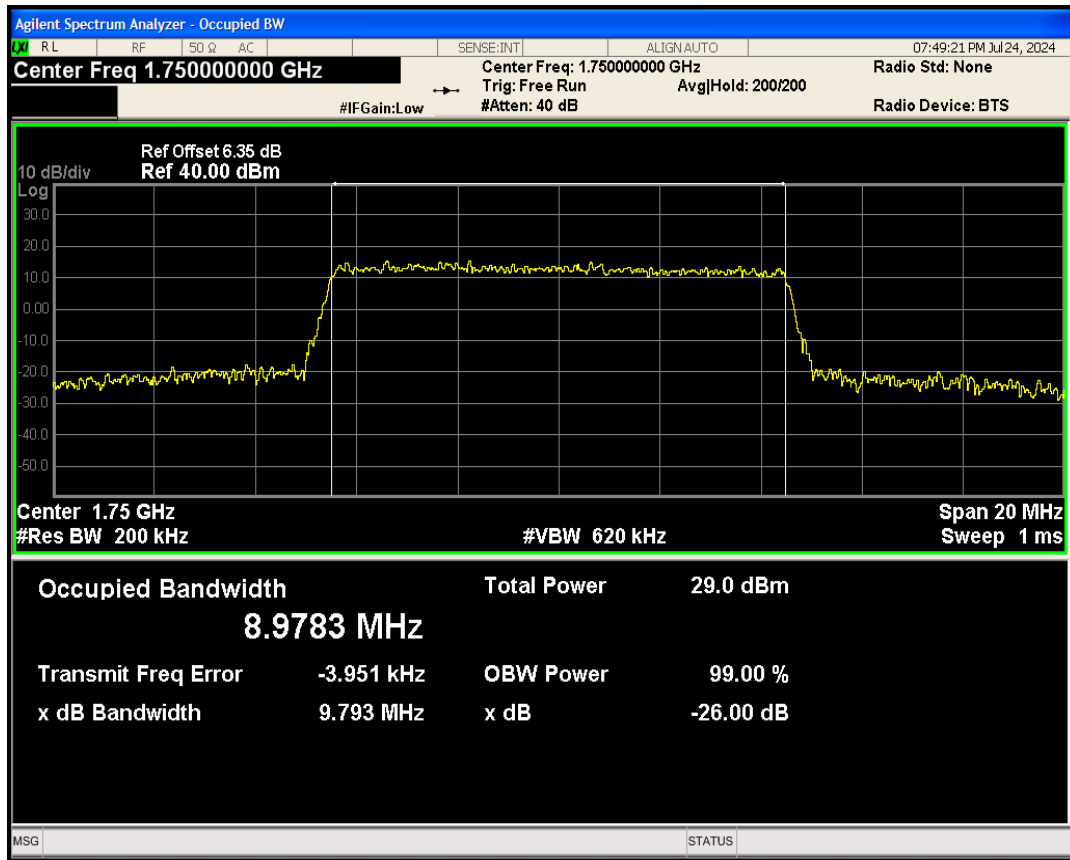


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

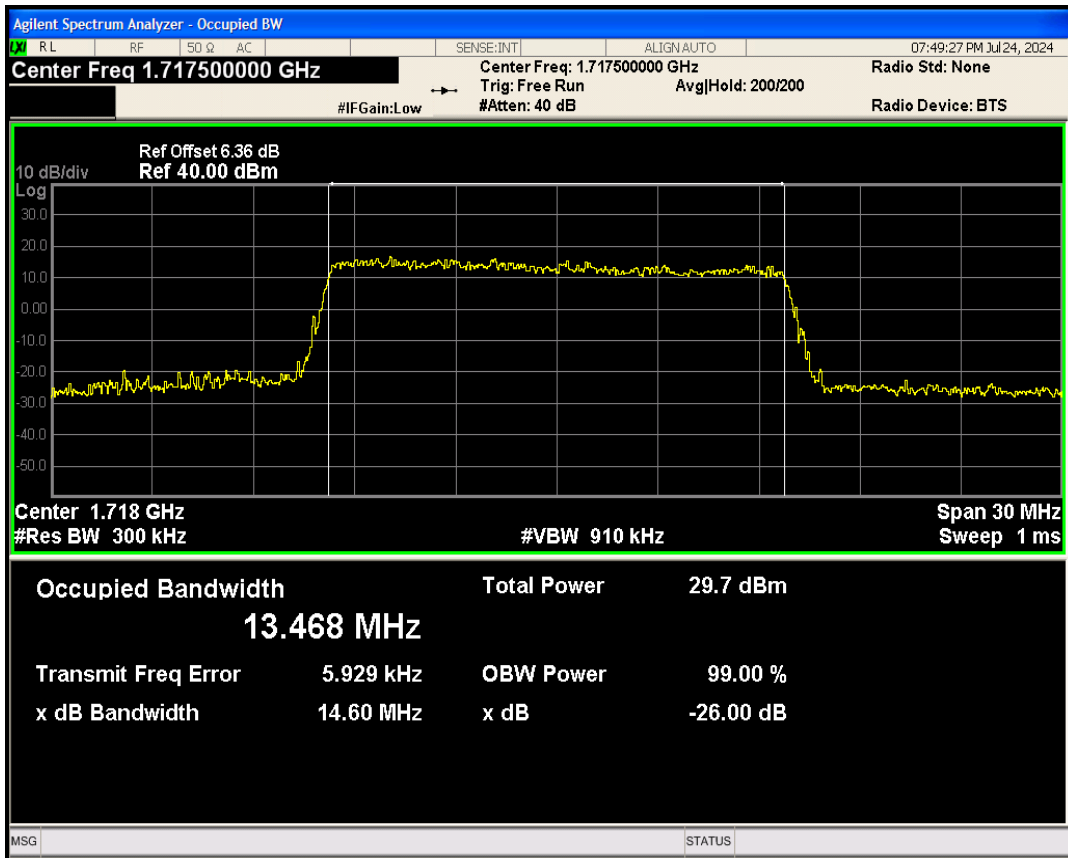




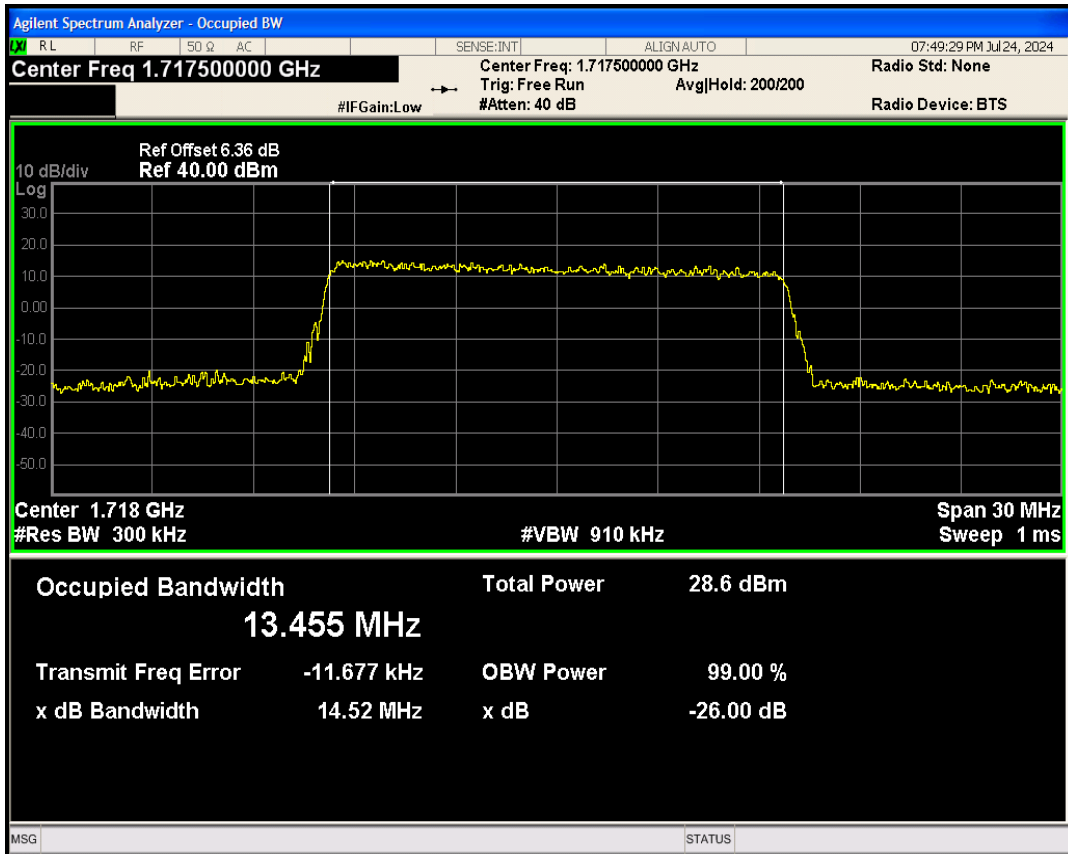
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



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

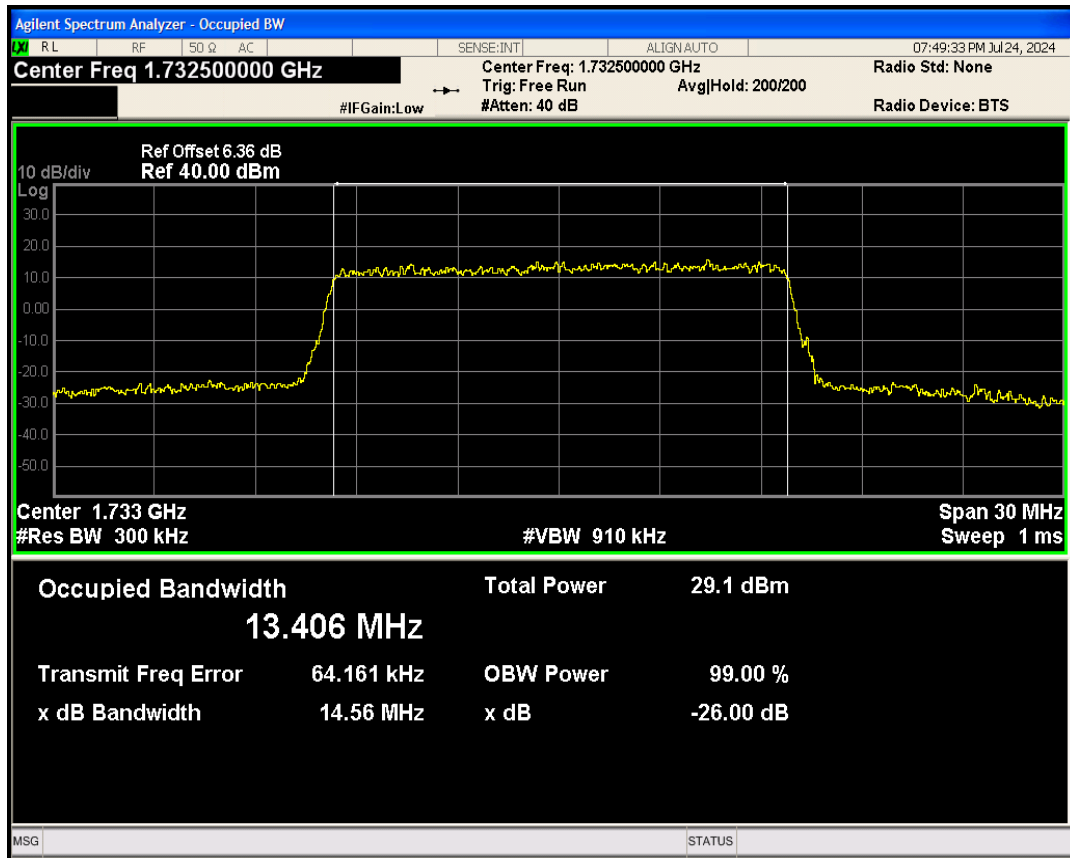


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

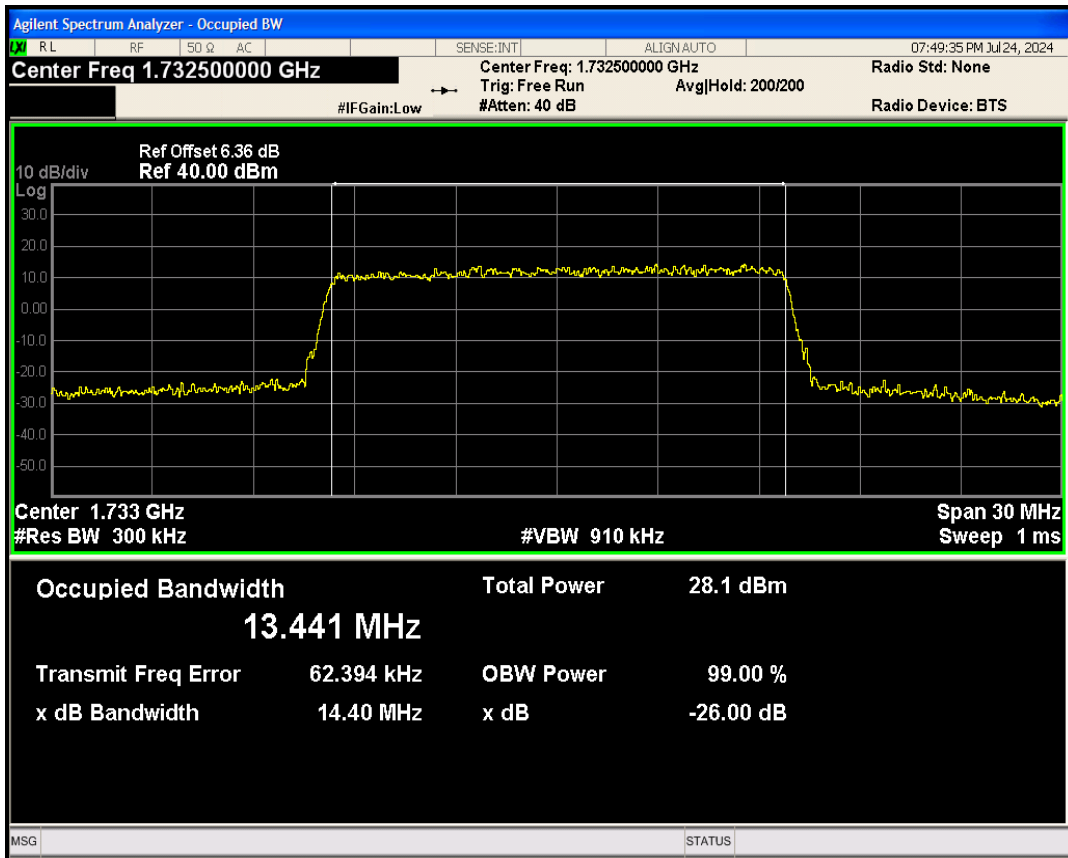




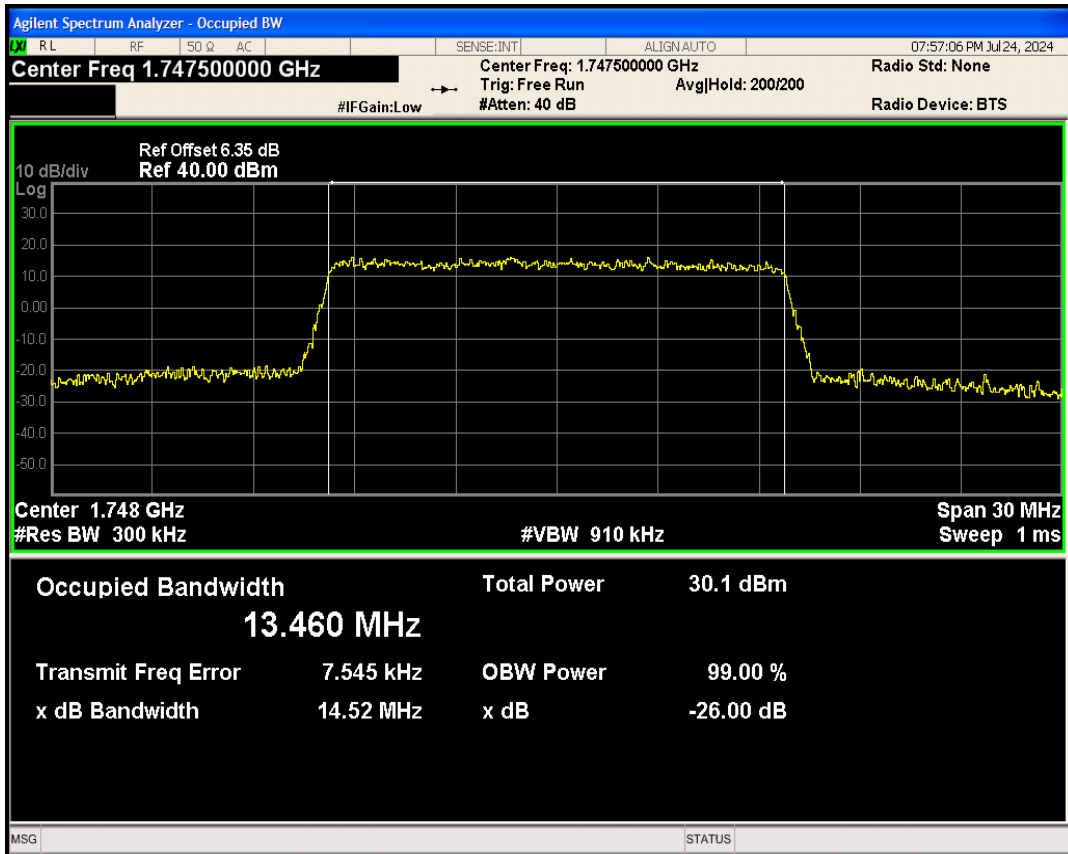
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



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

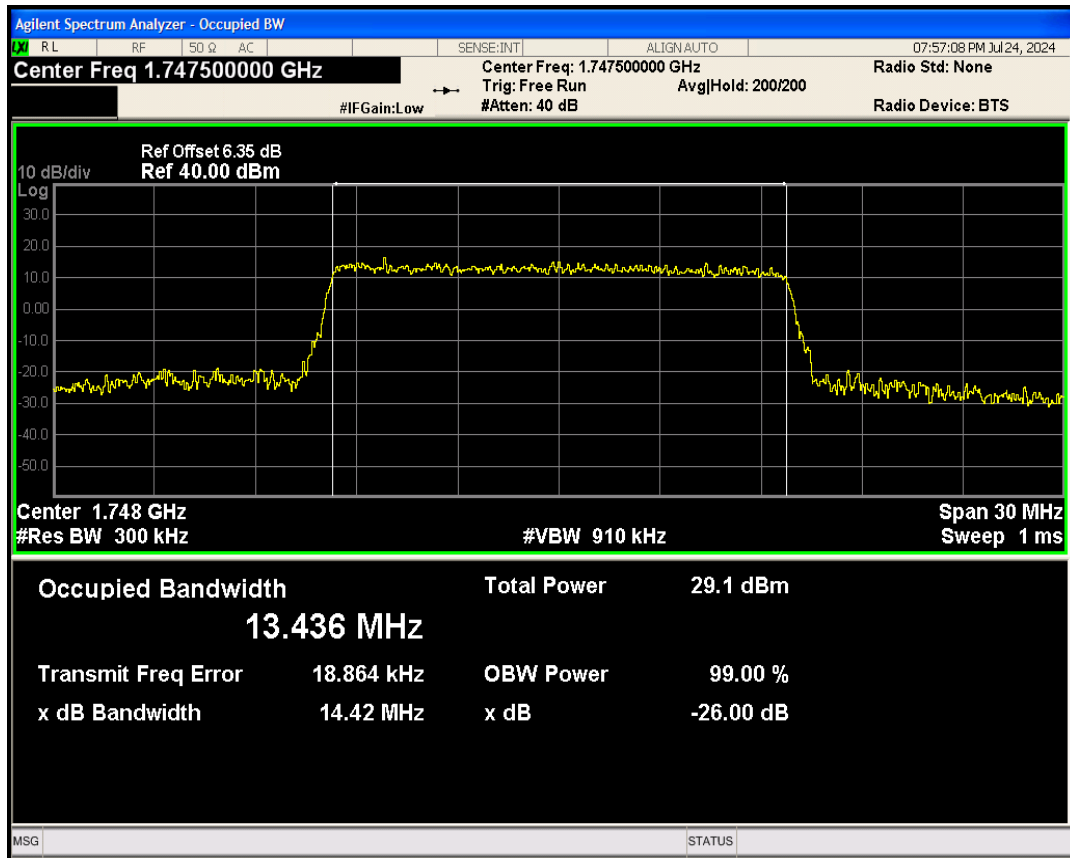


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

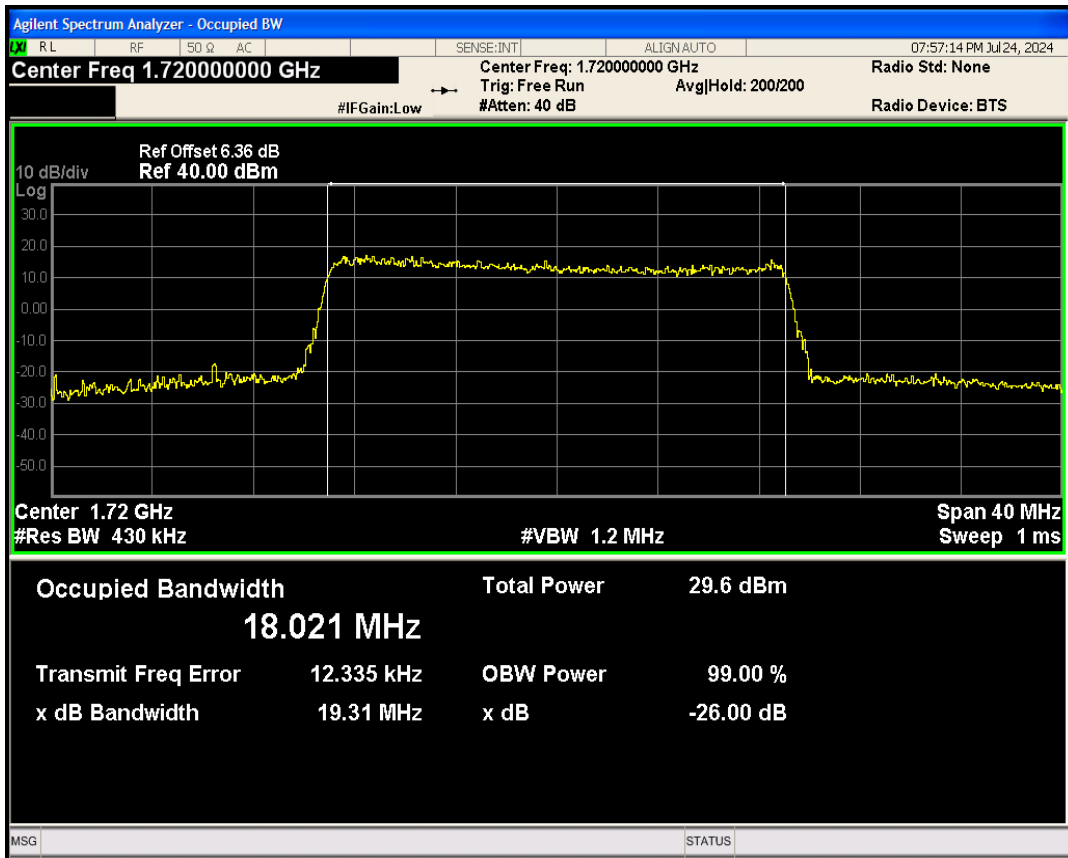




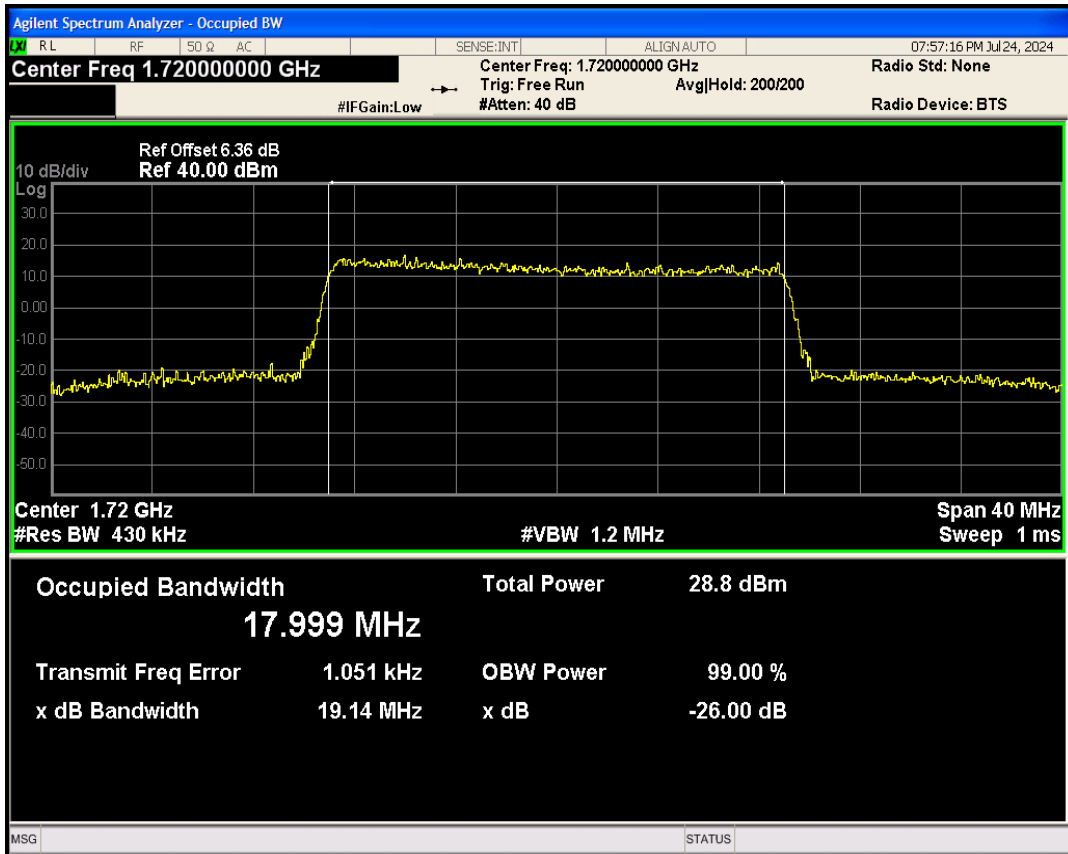
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



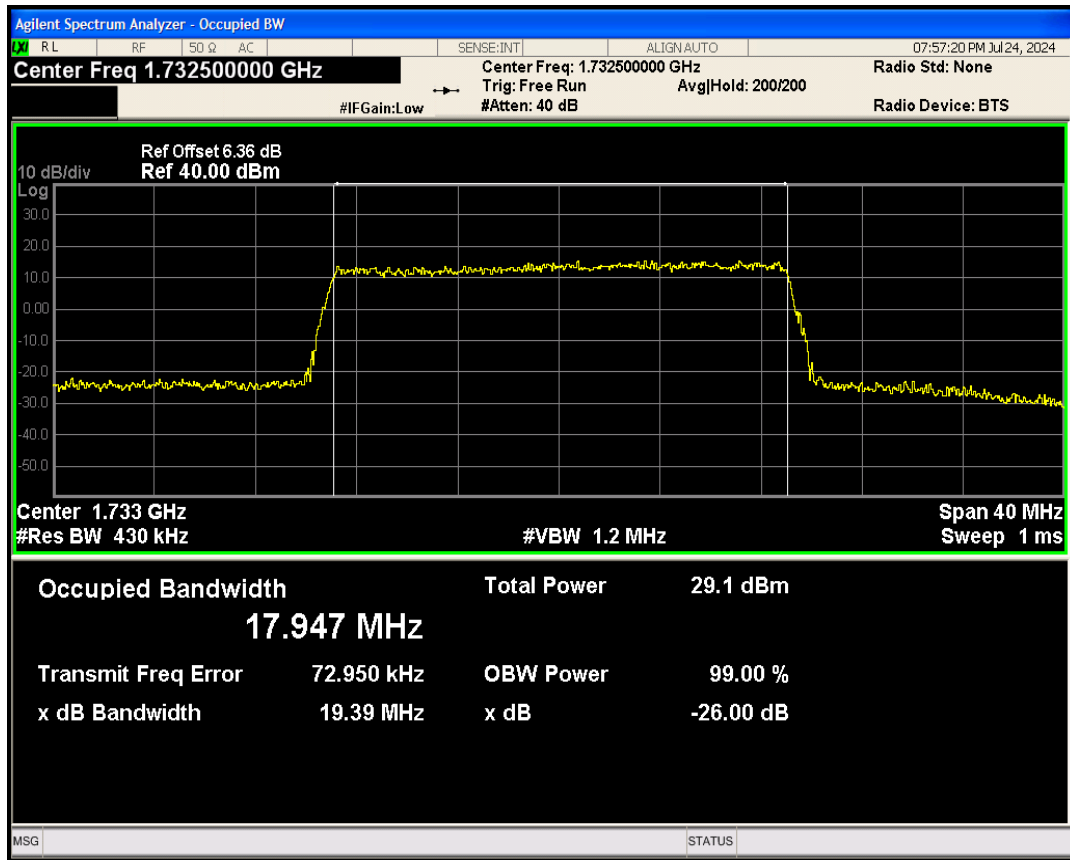
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



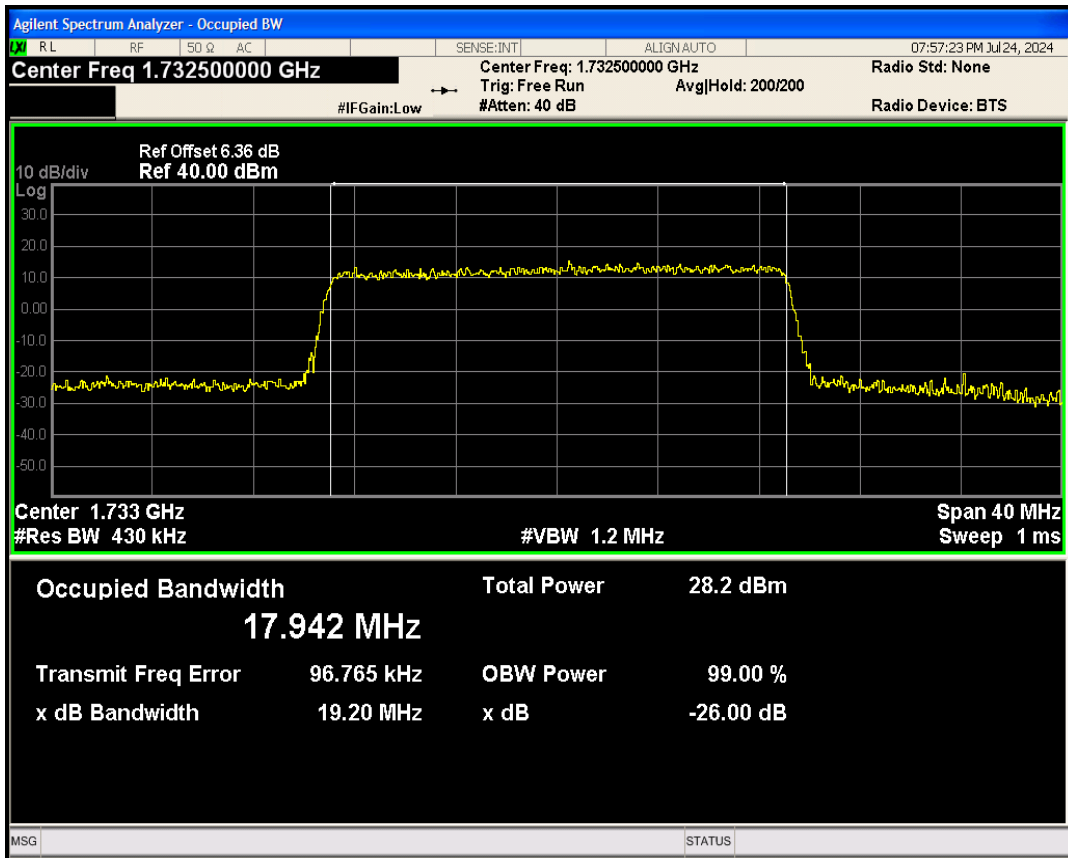
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



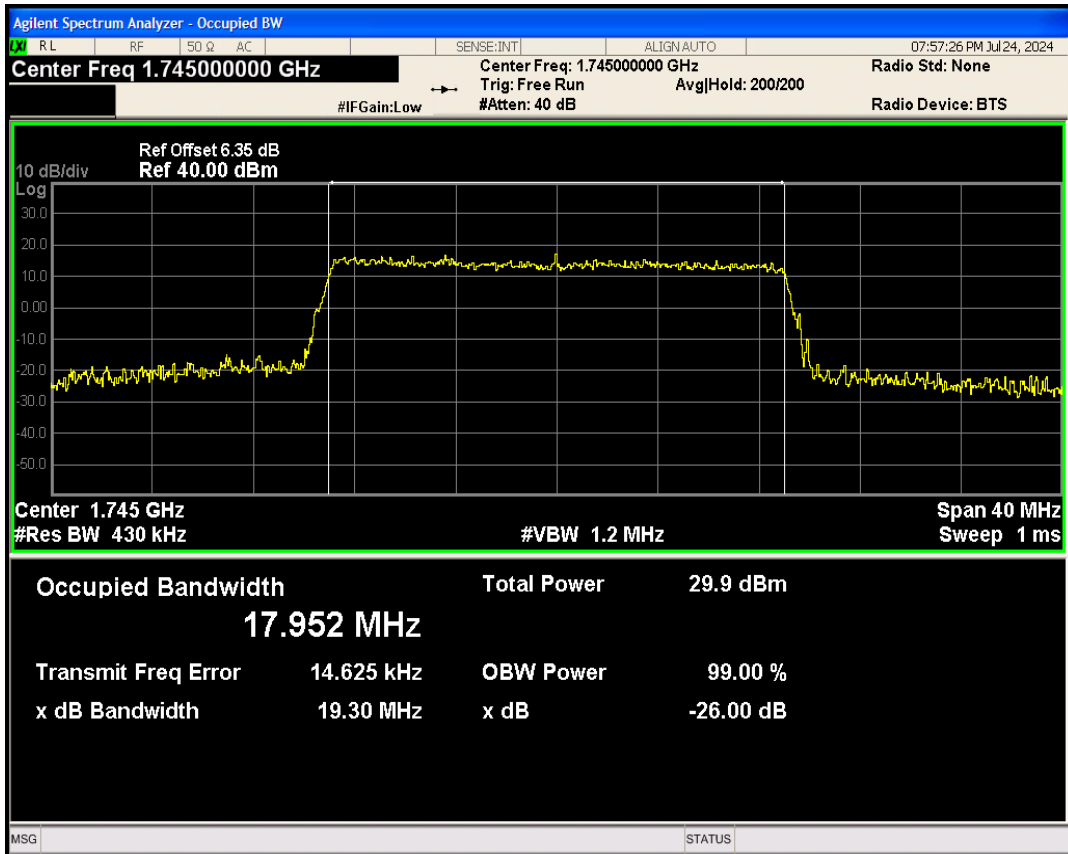
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



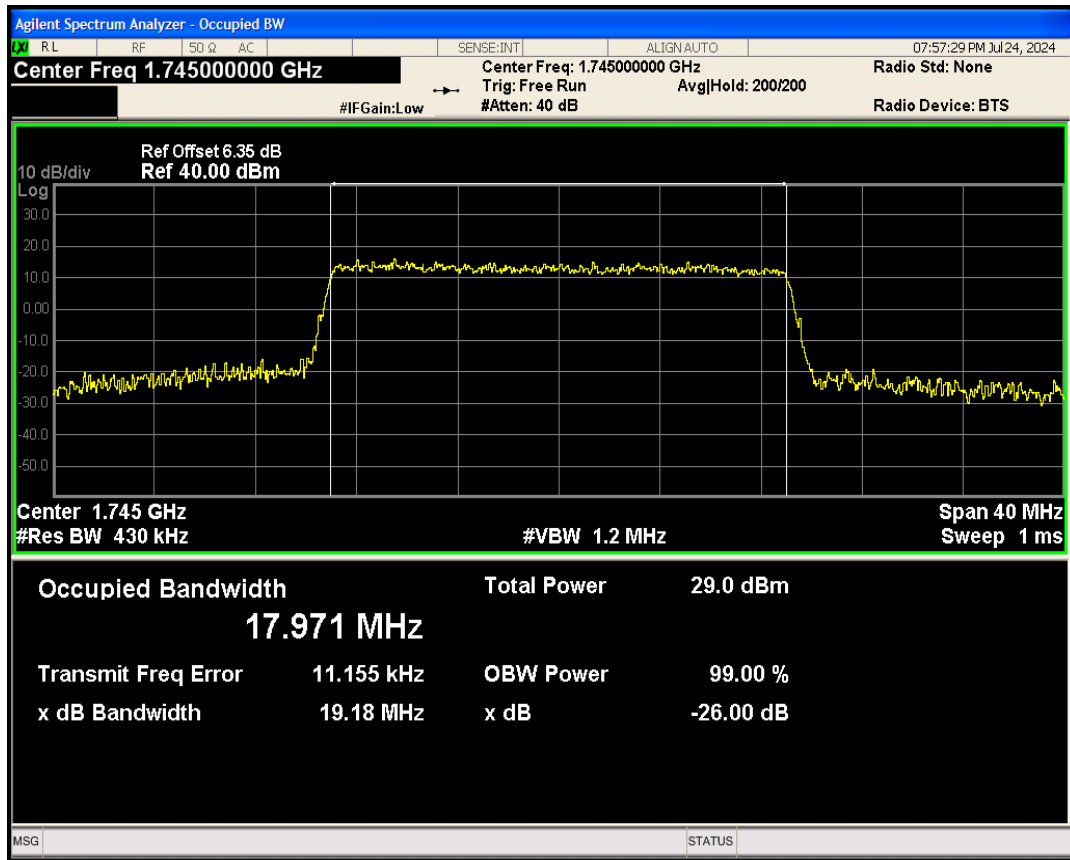
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



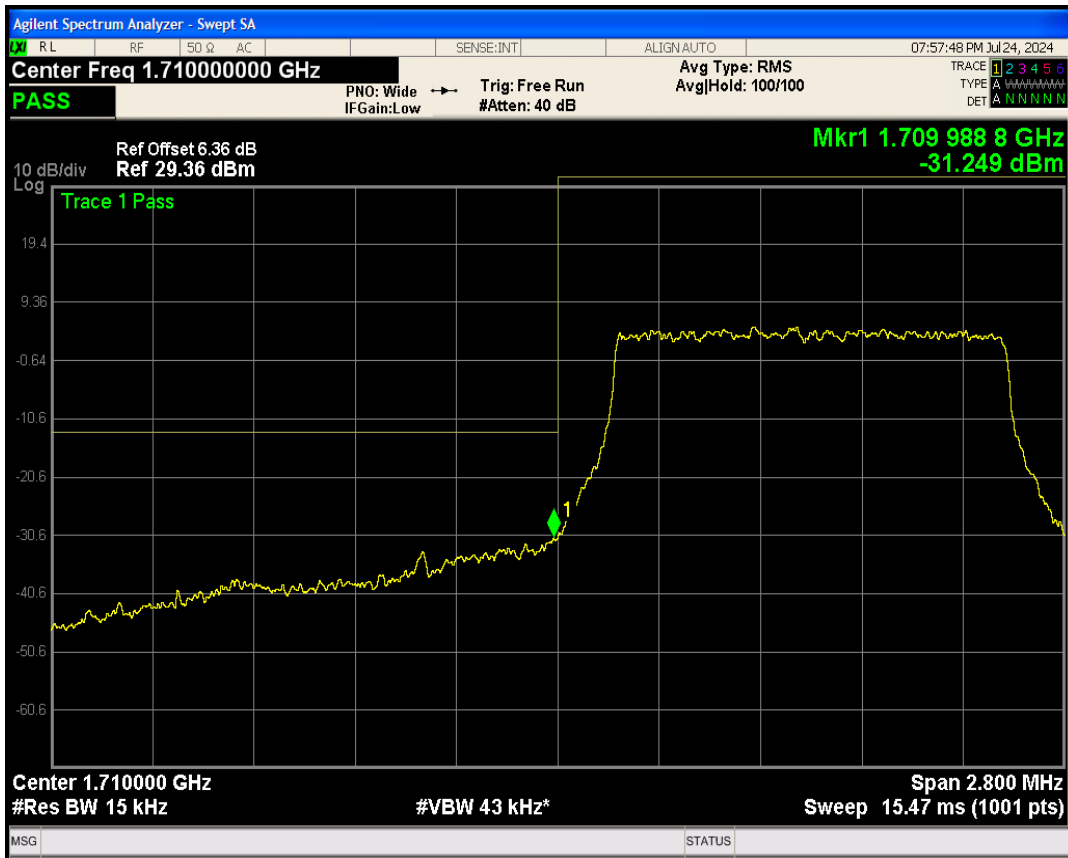
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



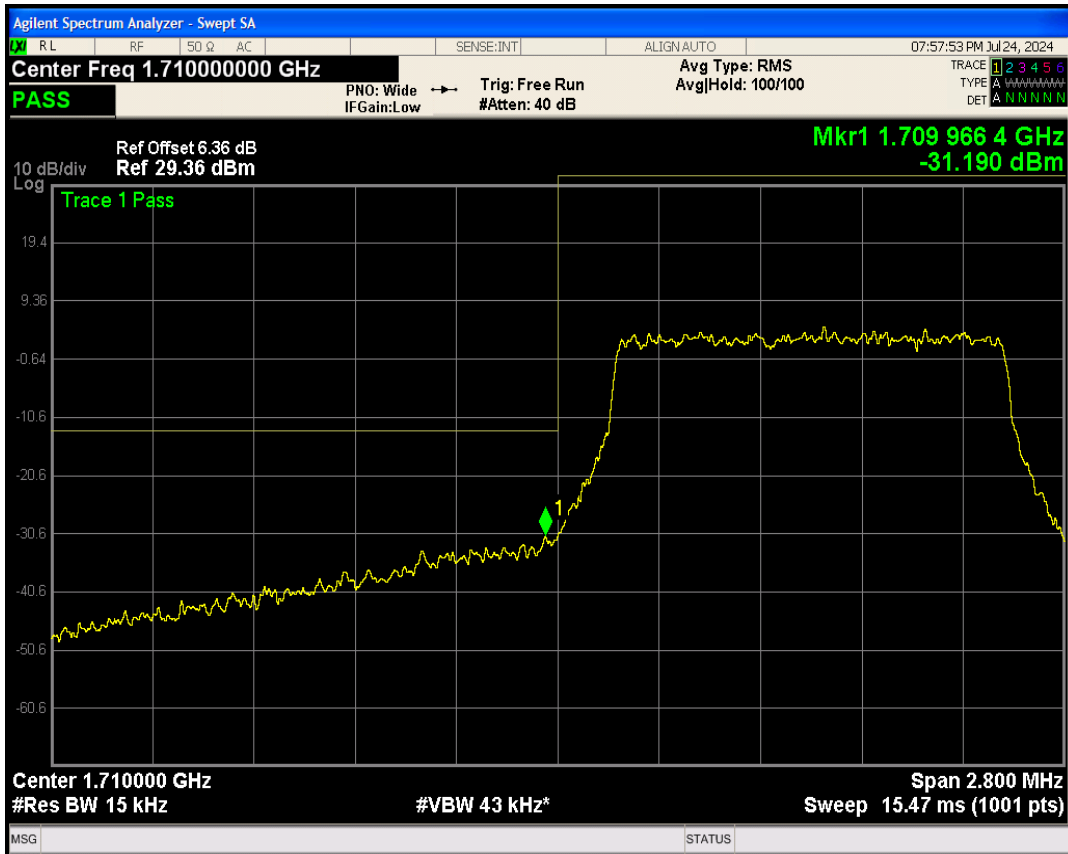
Appendix 5. Band edge

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	-31.24	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.97	-31.19	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-25.25	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.06	-27.77	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-30.41	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-32.14	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.23	-29.25	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.02	-29.42	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-31.32	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-32.37	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.02	-30.07	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.03	-31.49	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-32.93	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.98	-32.70	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.14	-35.00	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.02	-35.72	-13	PASS
Band4	15	20025	75	#0	QPSK	1708.32	-32.28	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.91	-32.25	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.78	-32.45	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.75	-36.46	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.80	-32.20	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.52	-32.02	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.32	-35.64	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-36.89	-13	PASS

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



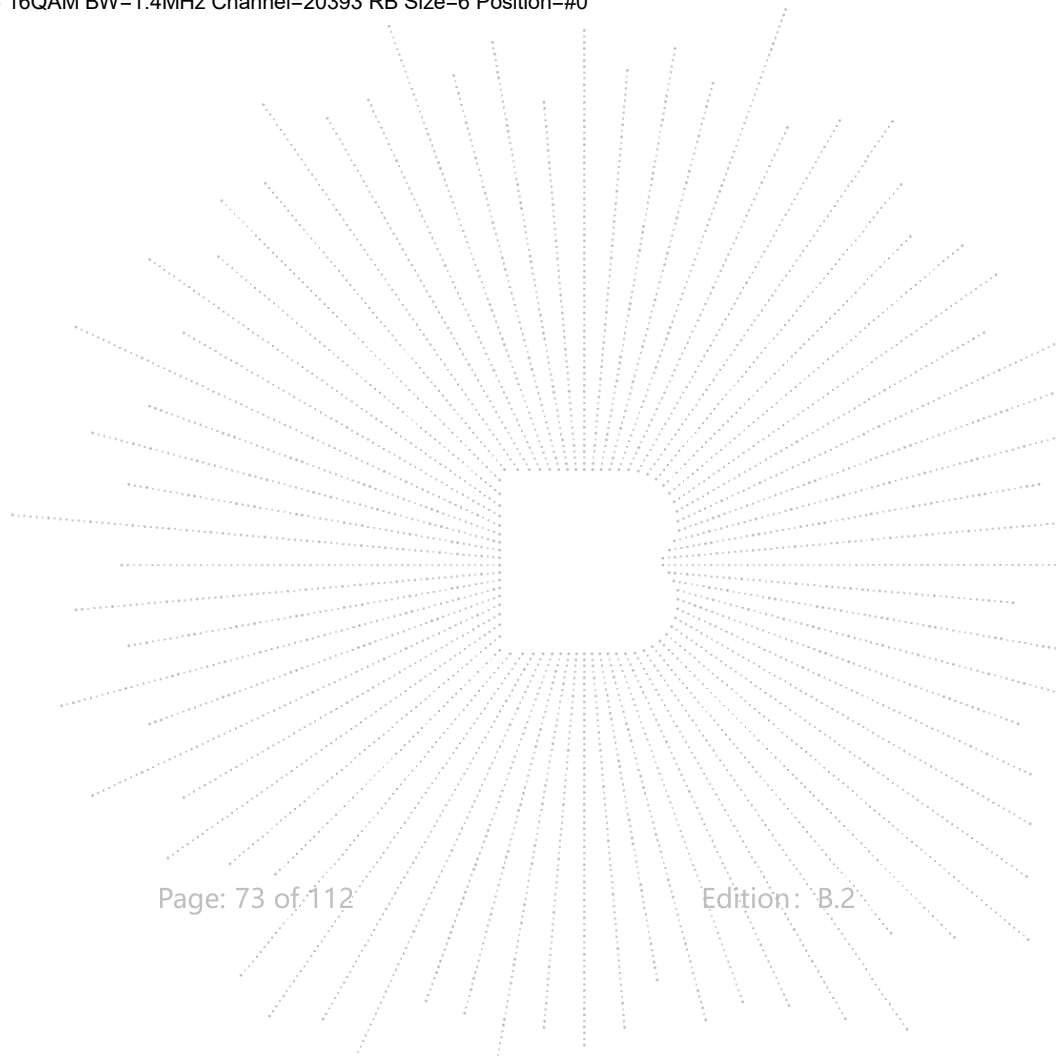
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

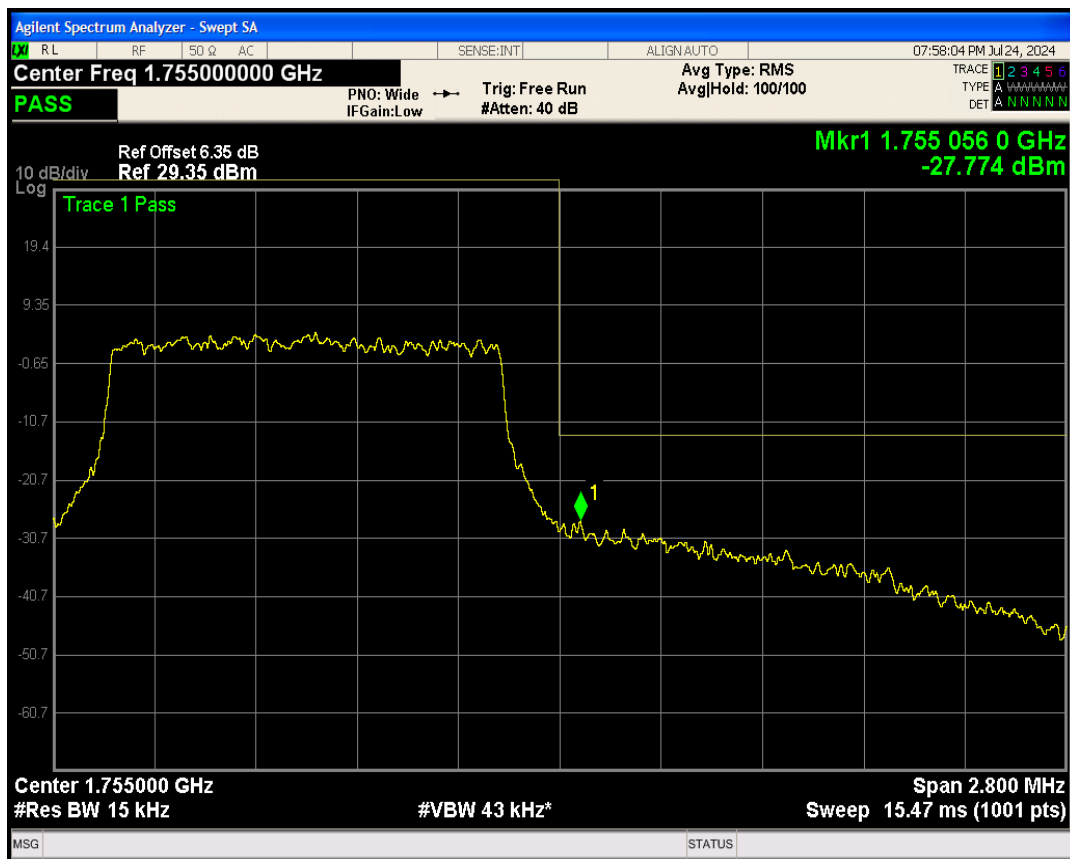


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

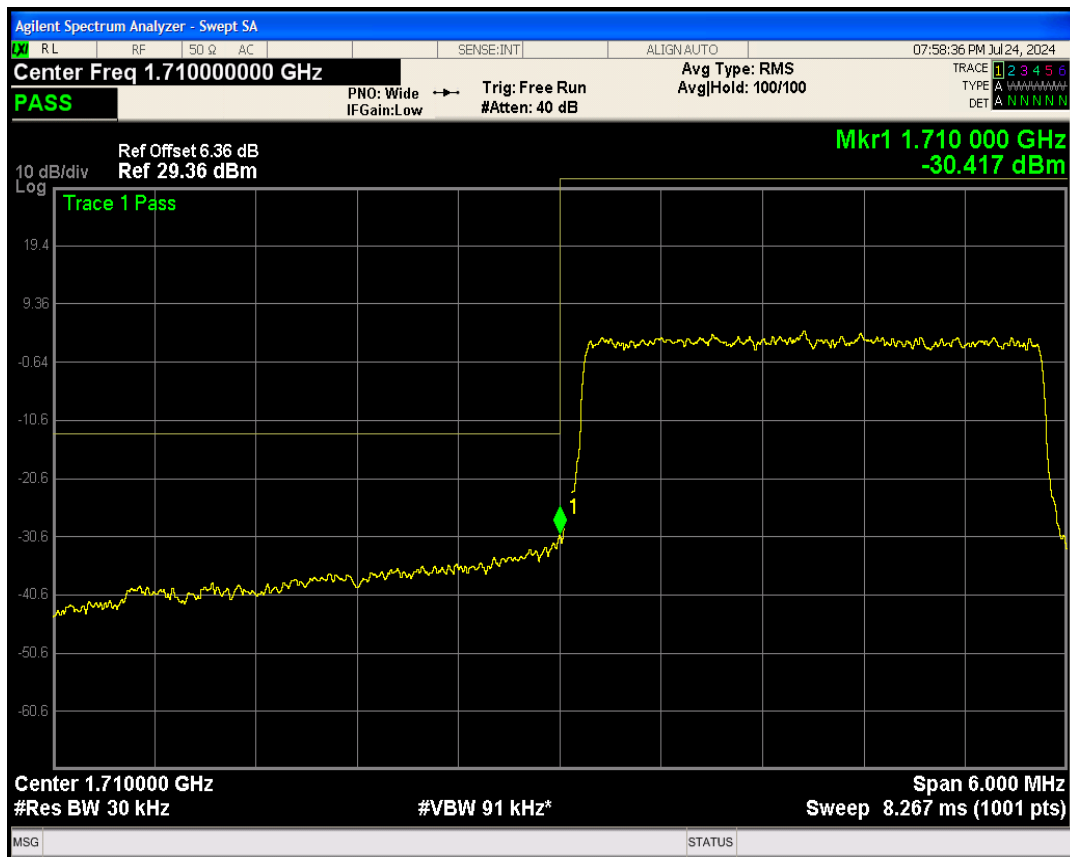


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

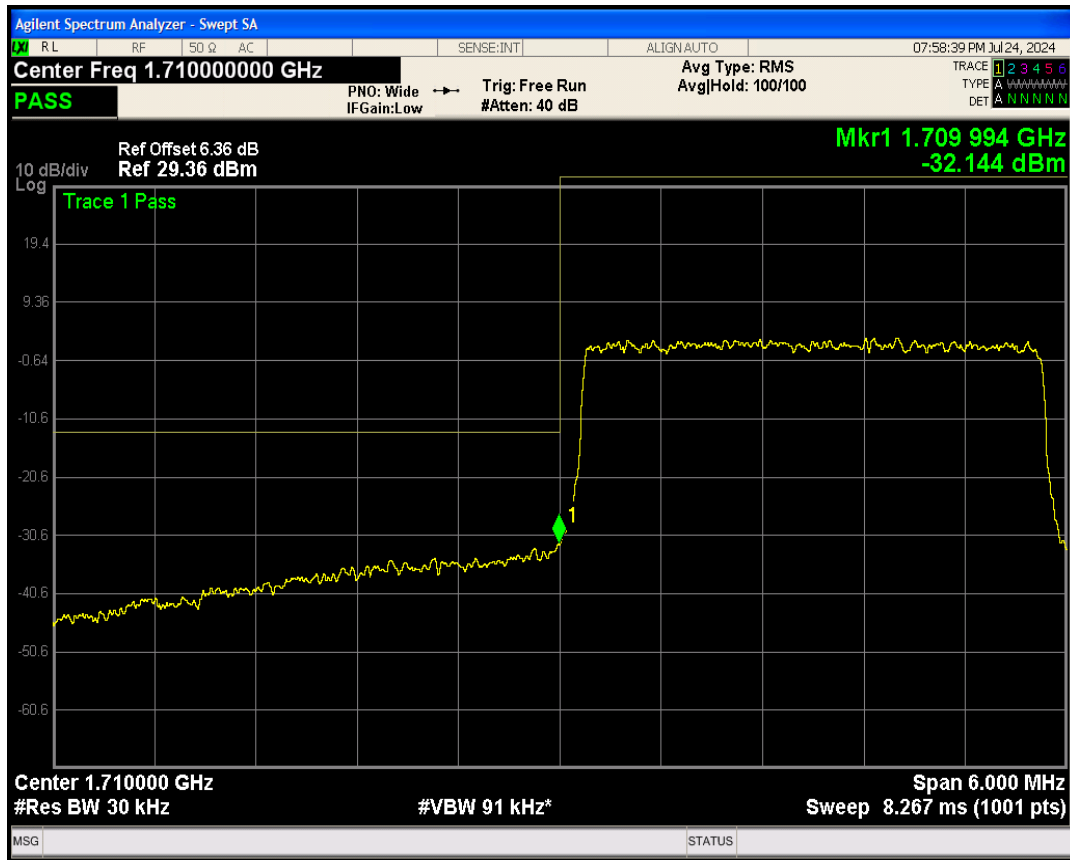




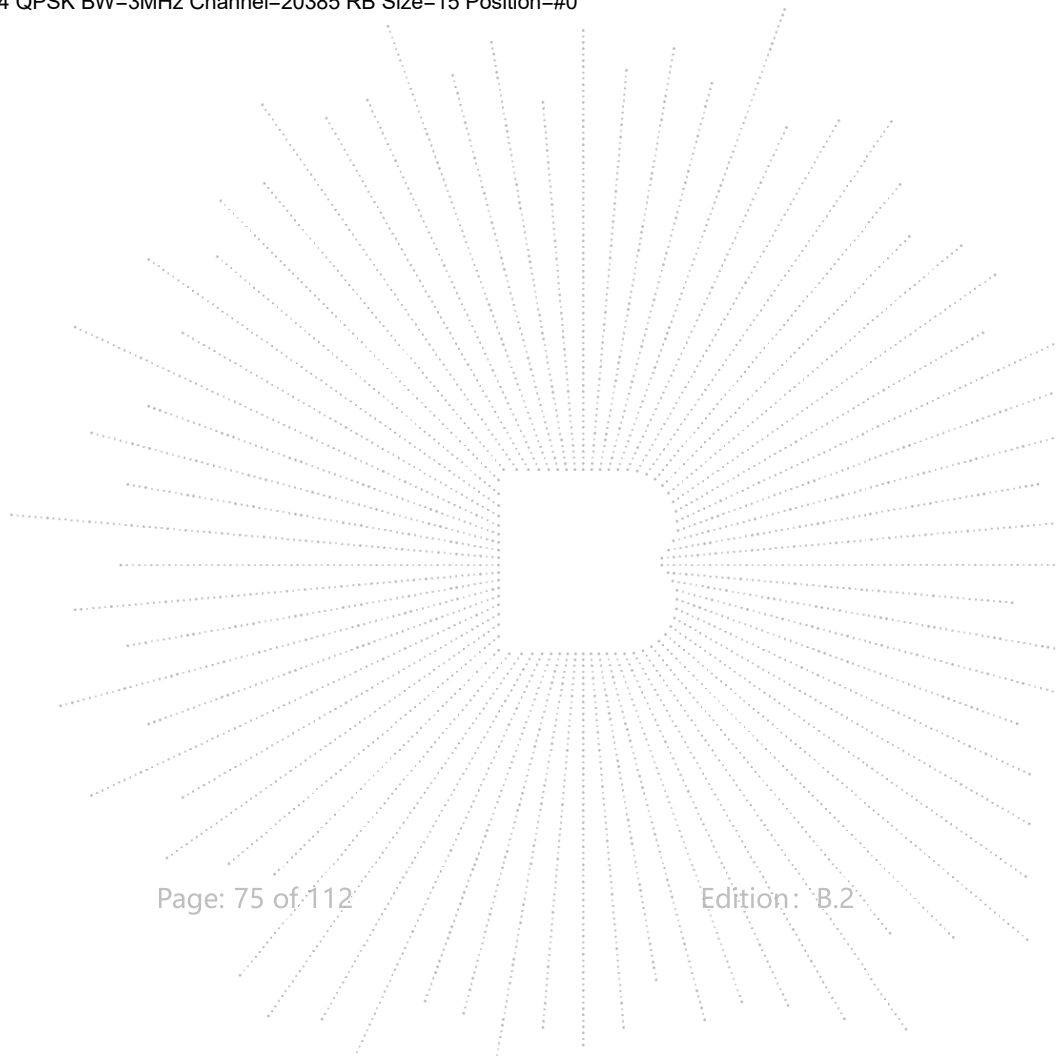
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

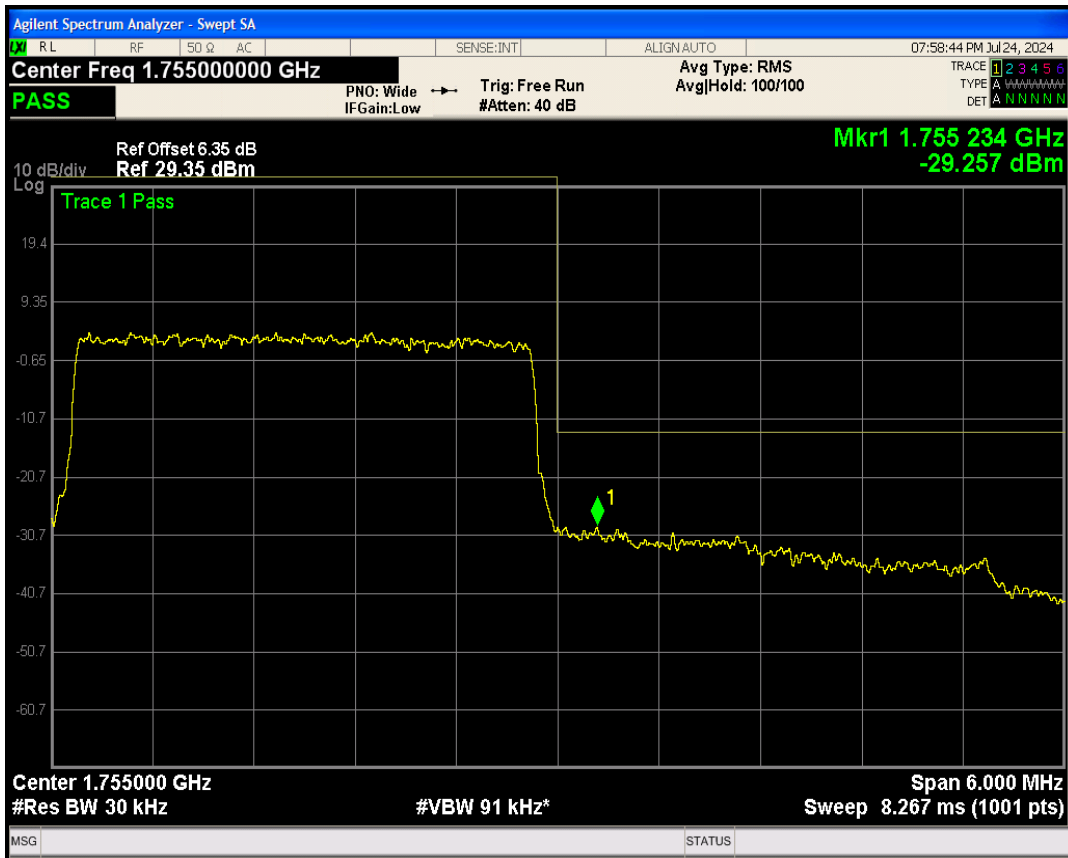


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

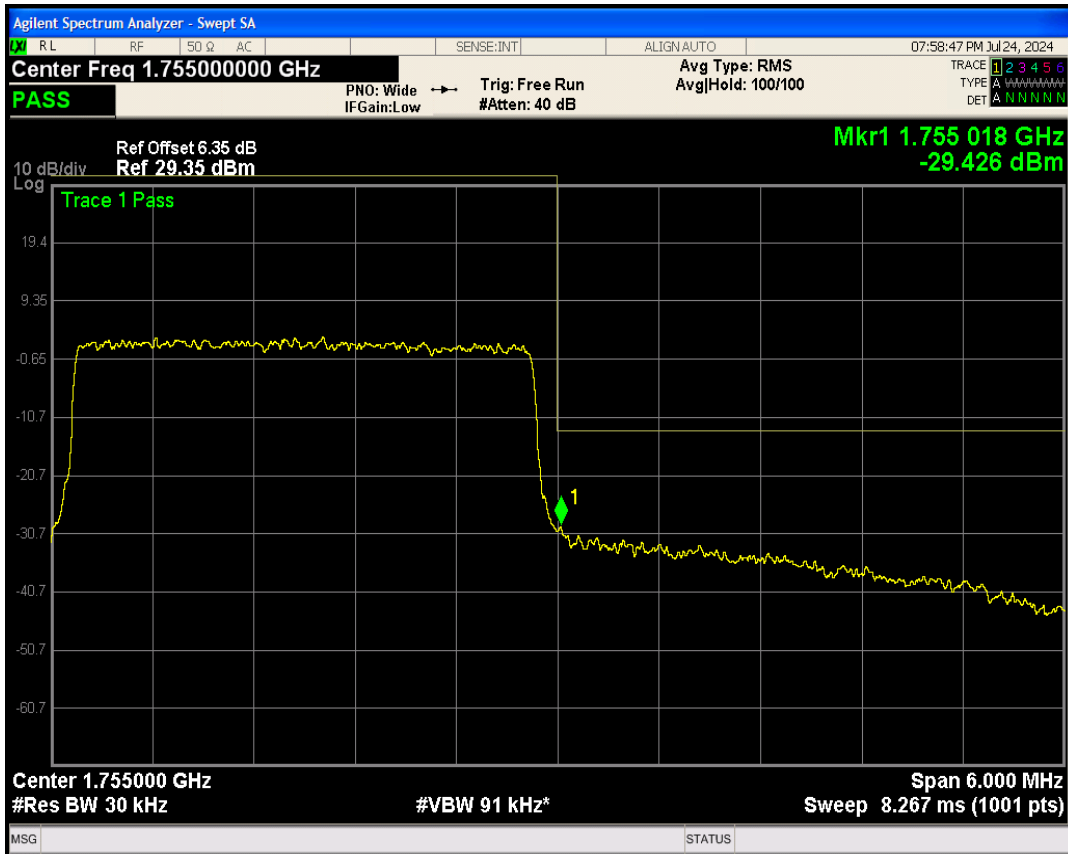


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

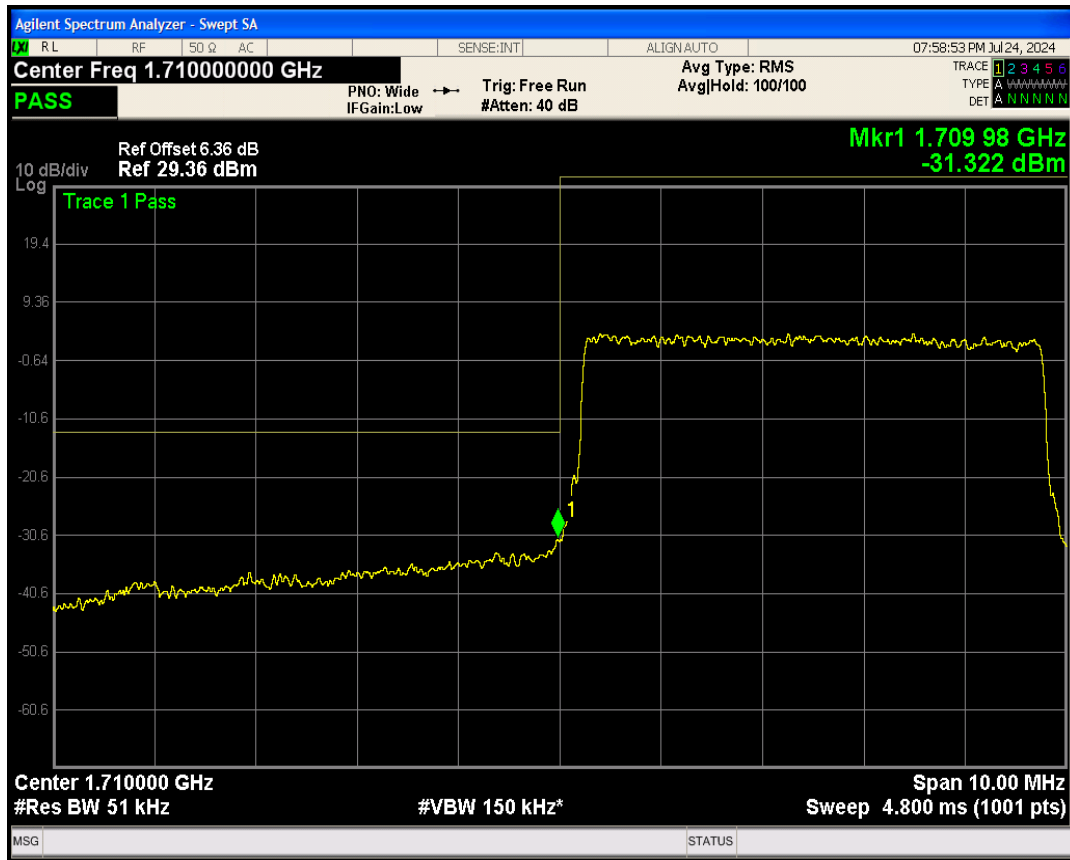




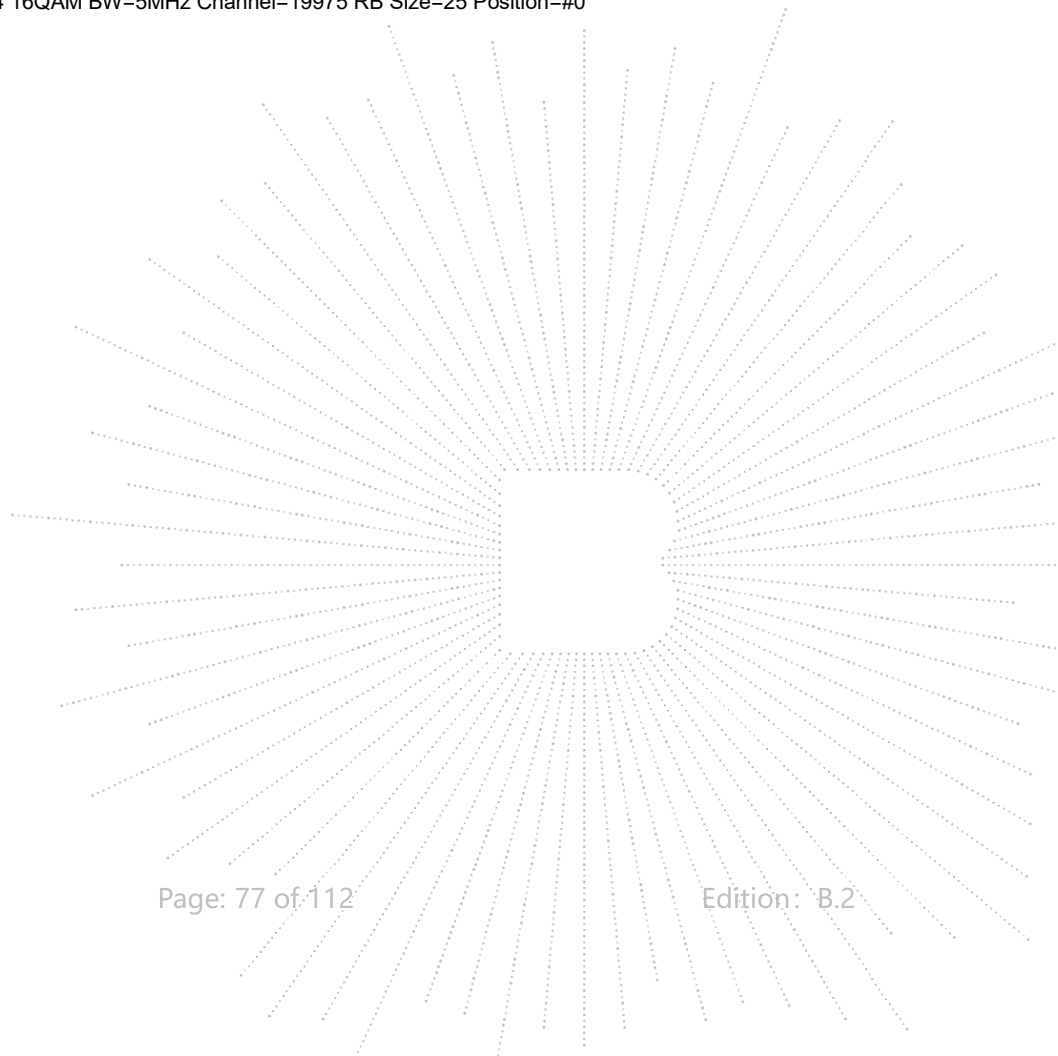
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

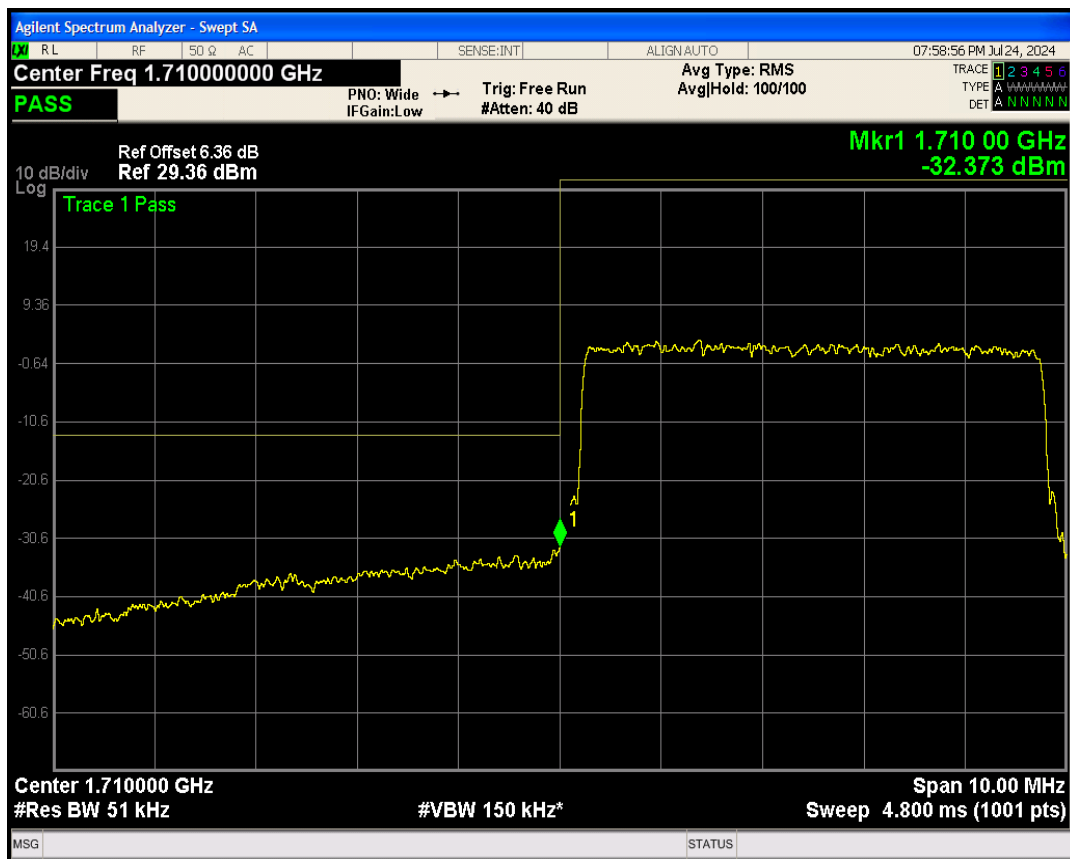


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

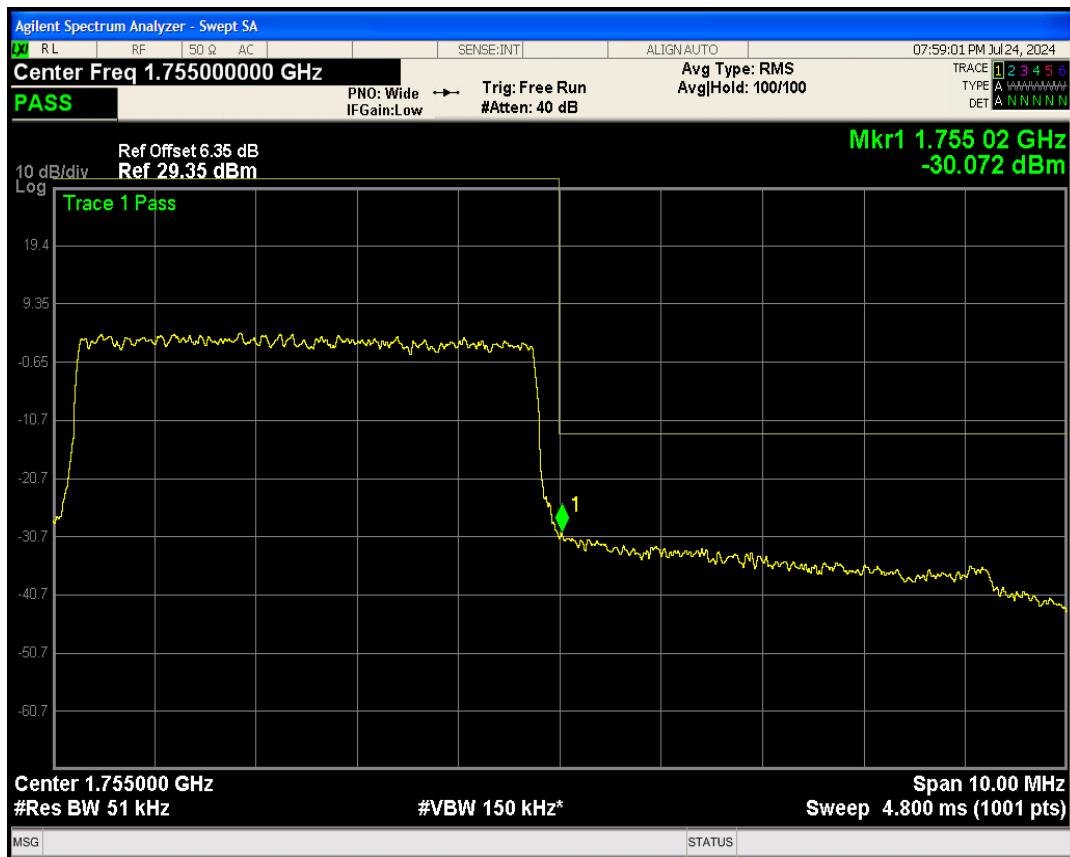


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



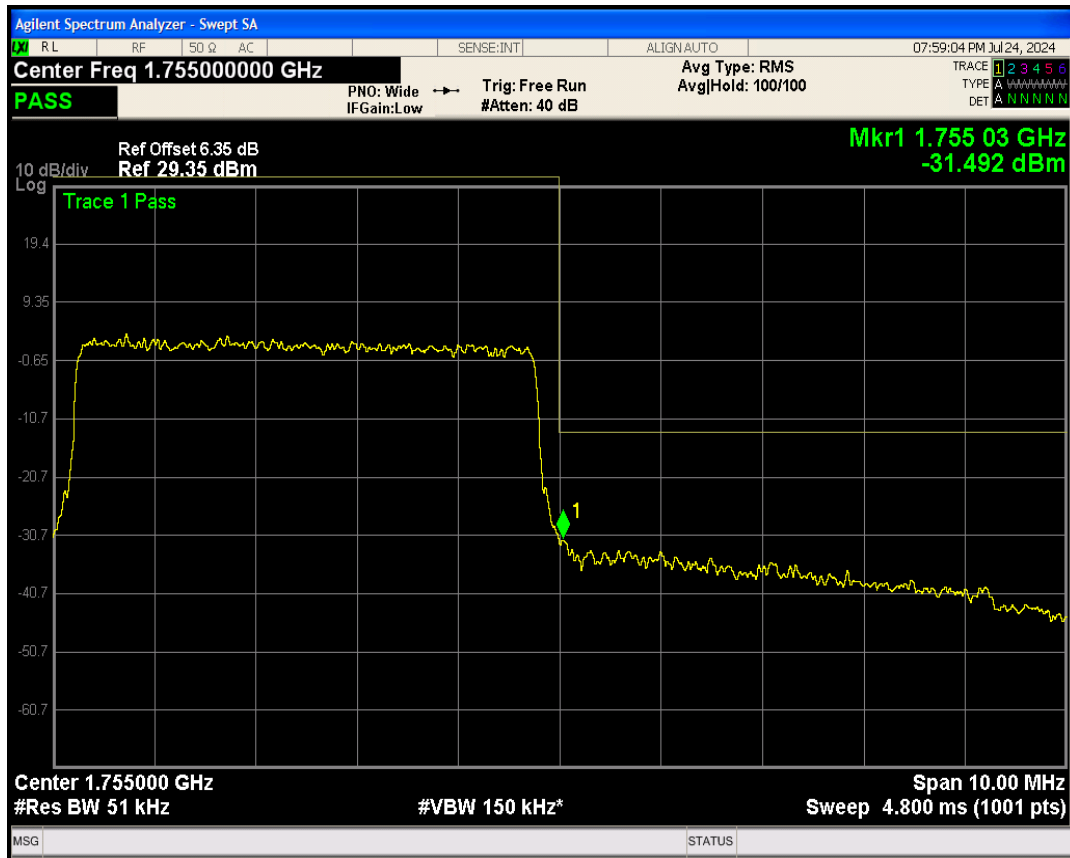


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

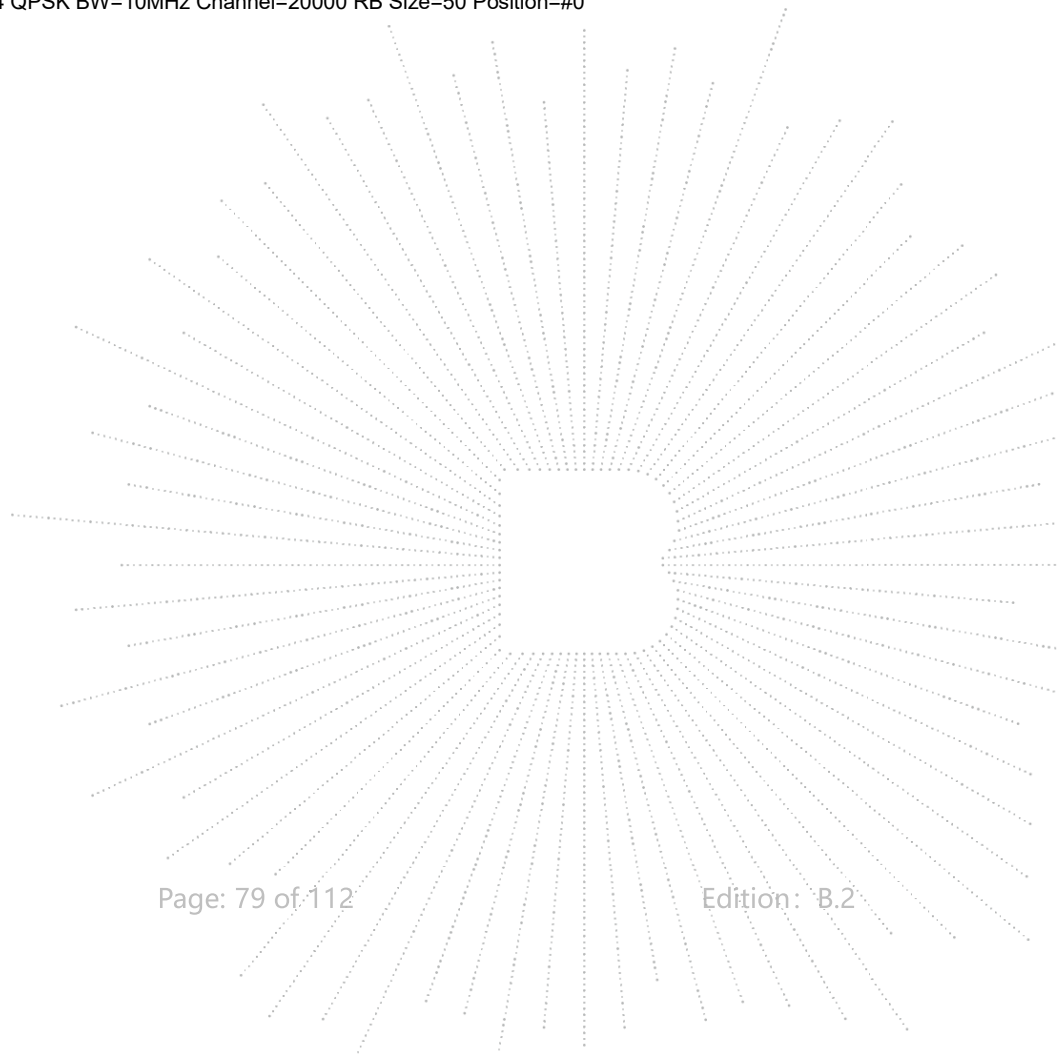


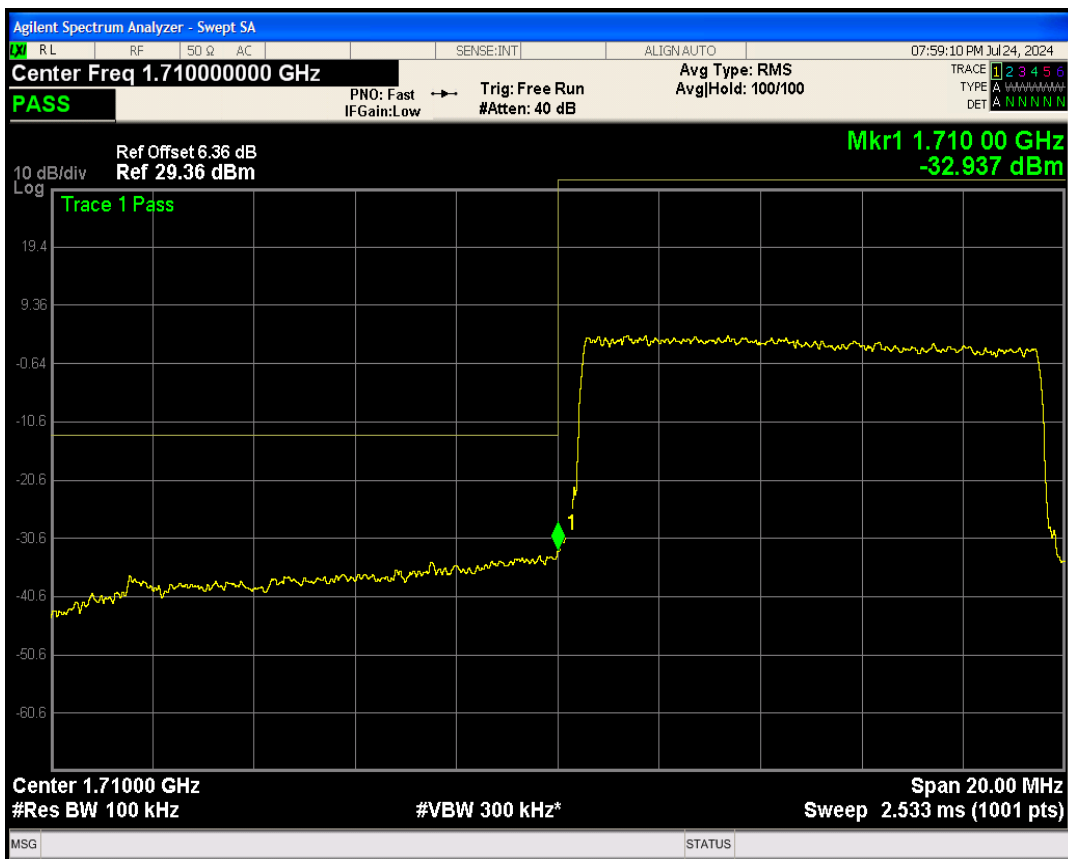


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

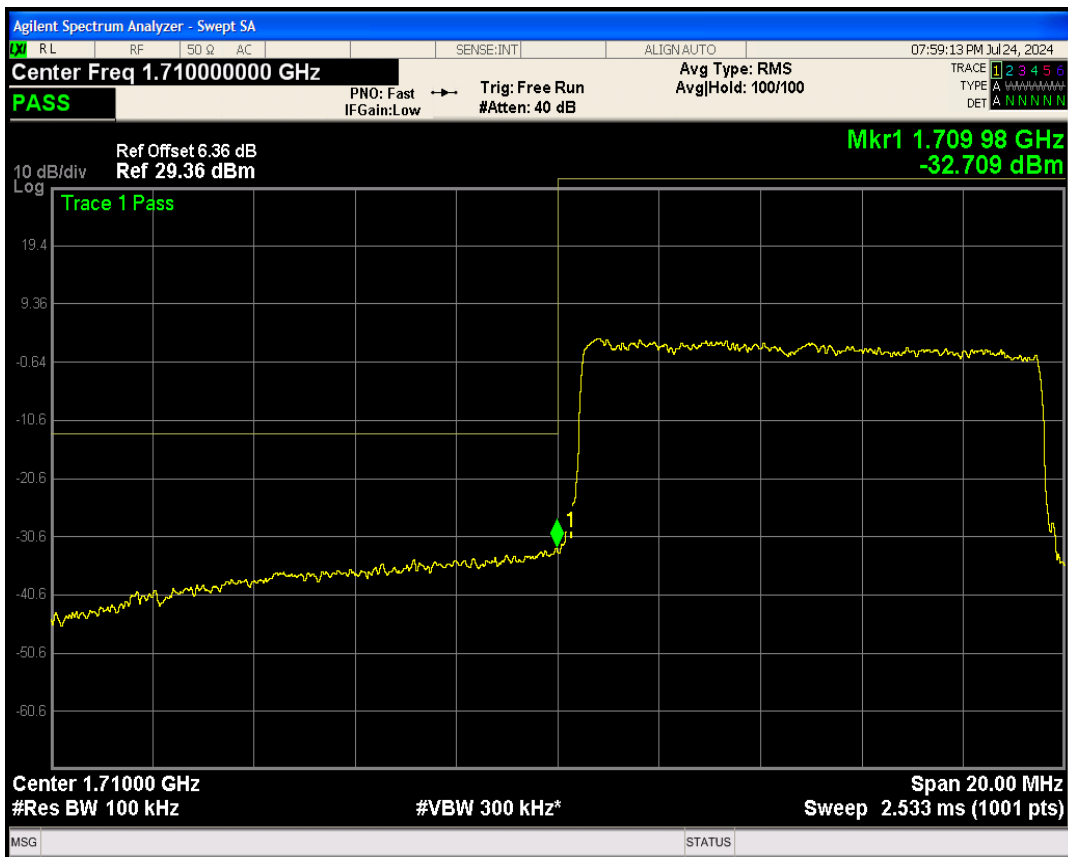


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



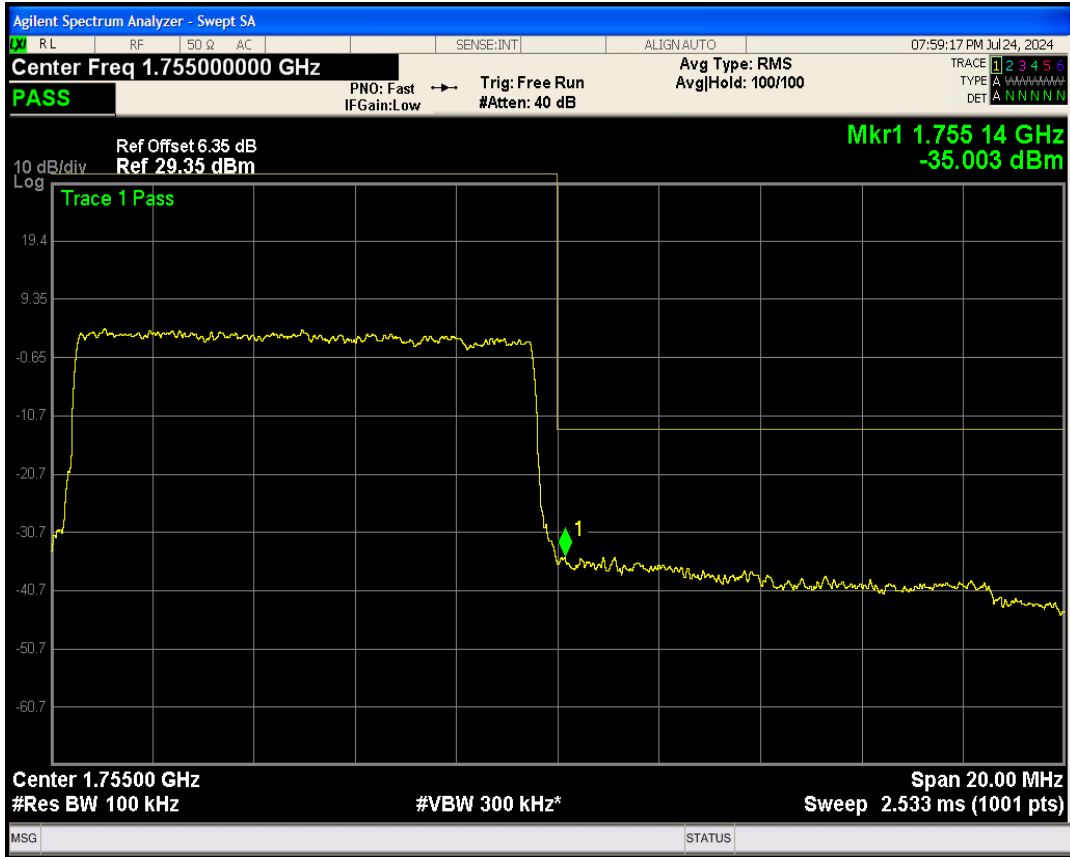


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

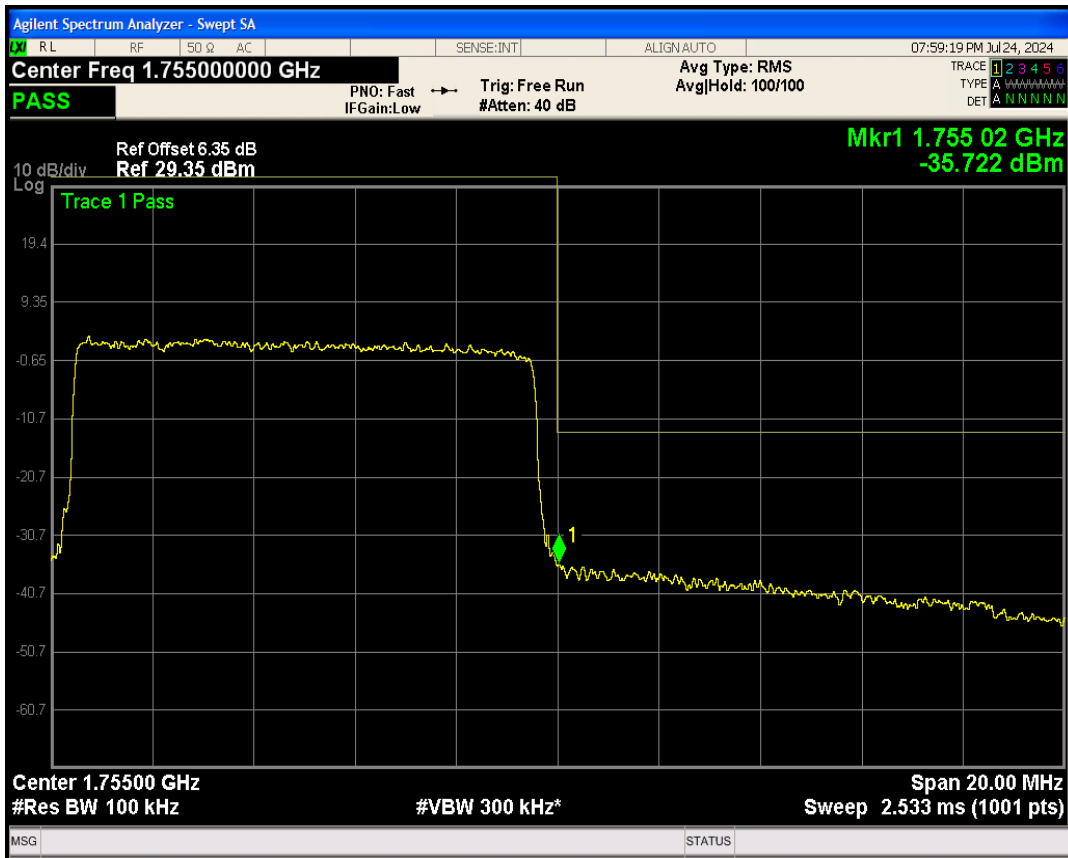




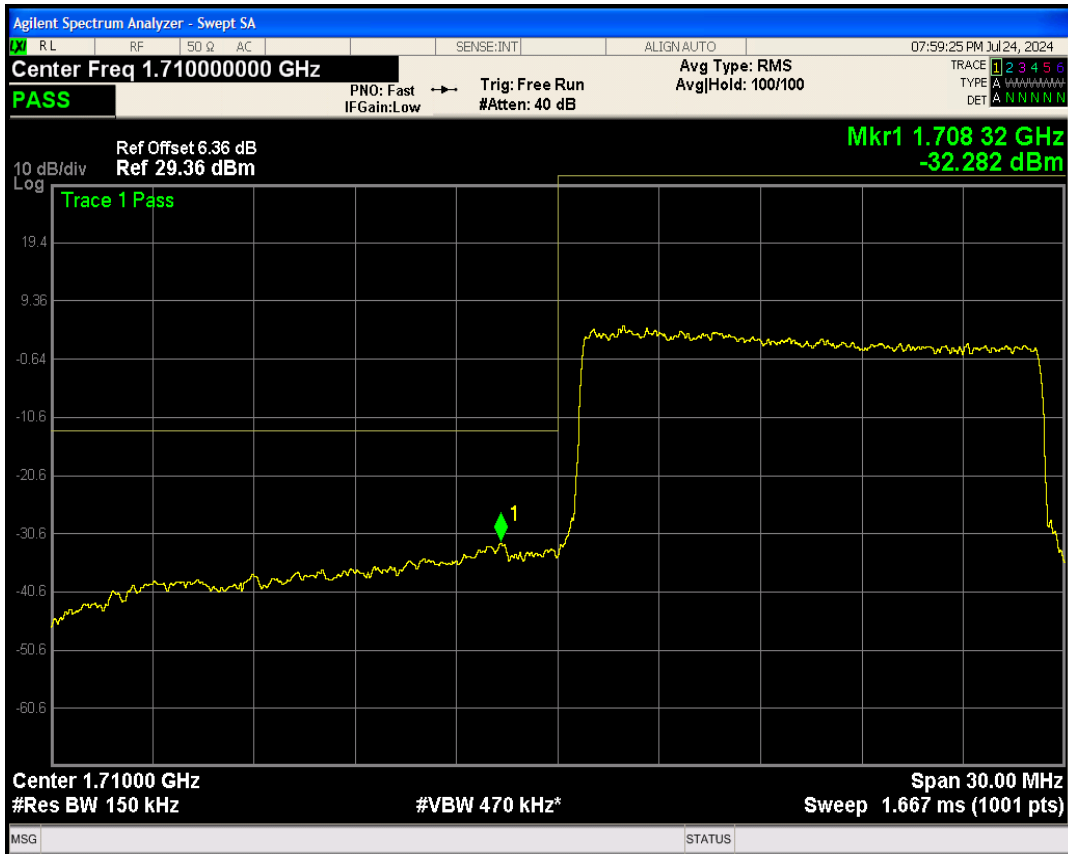
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



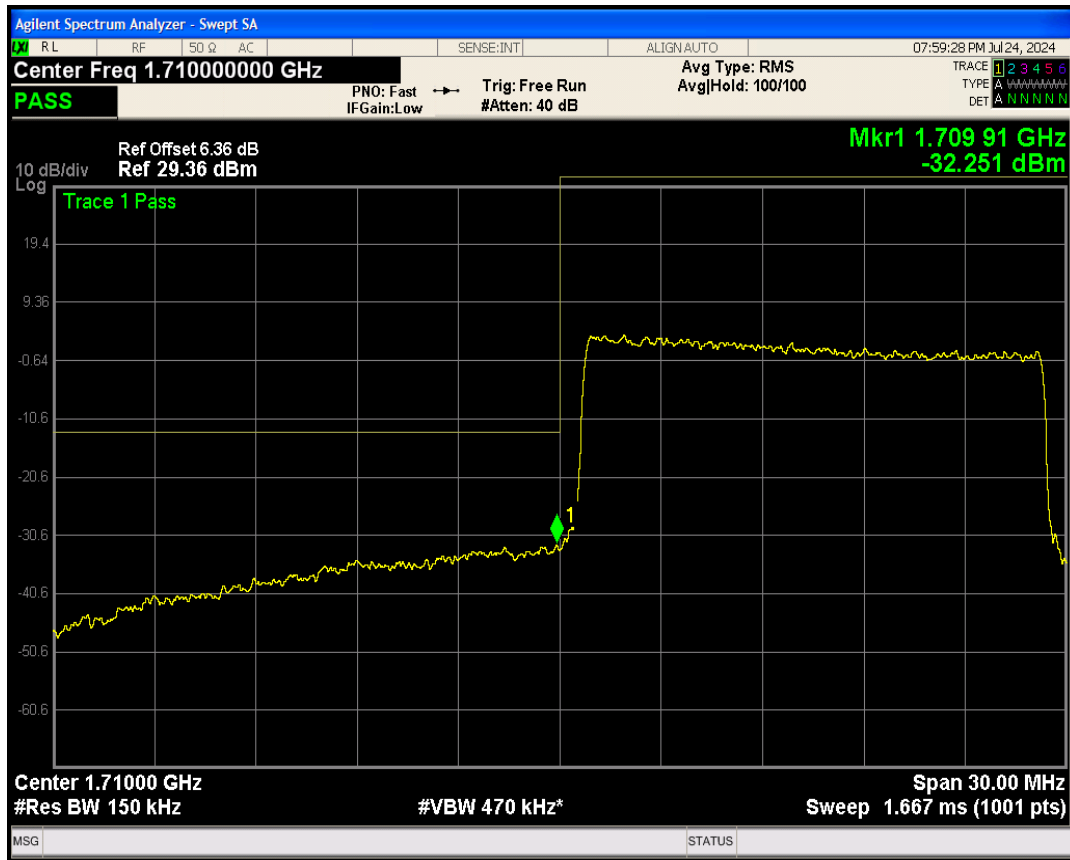
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



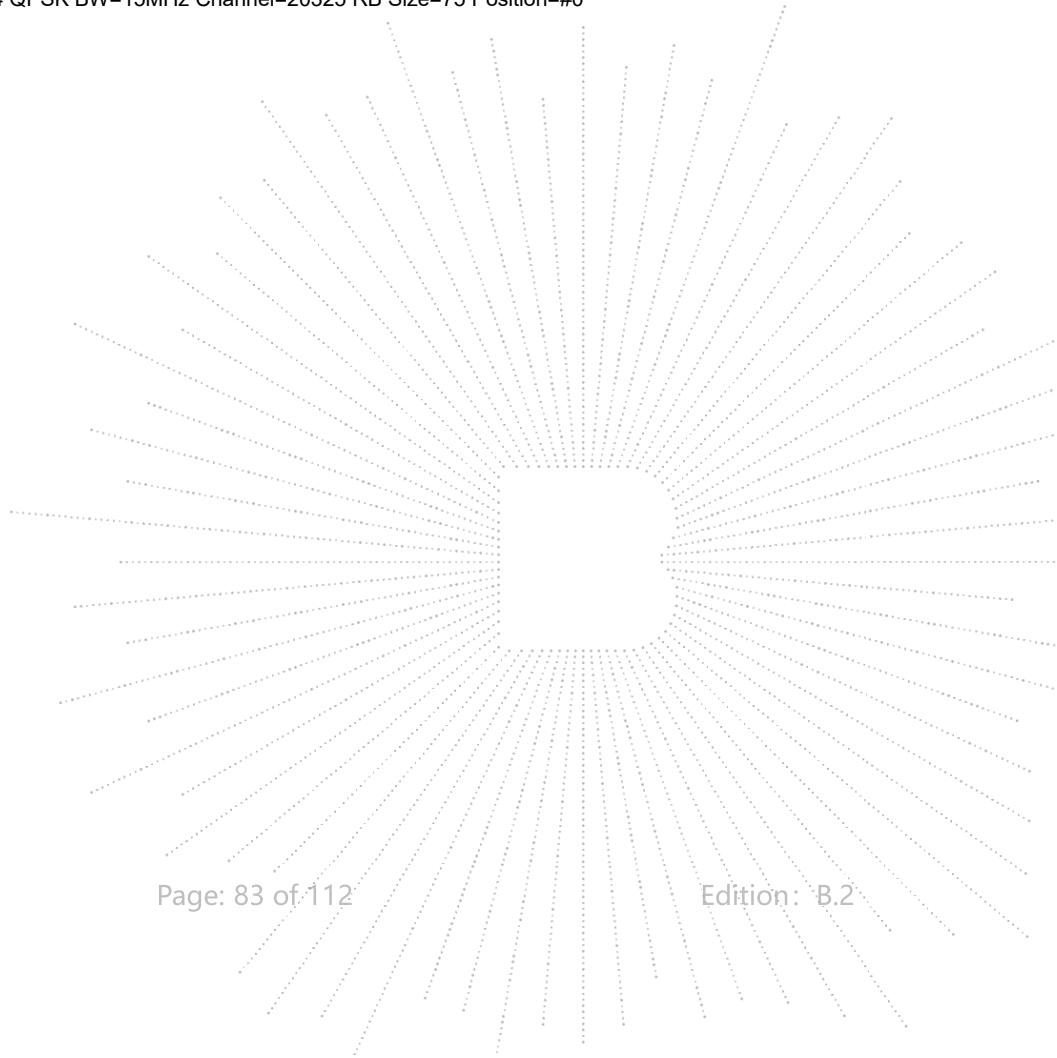
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

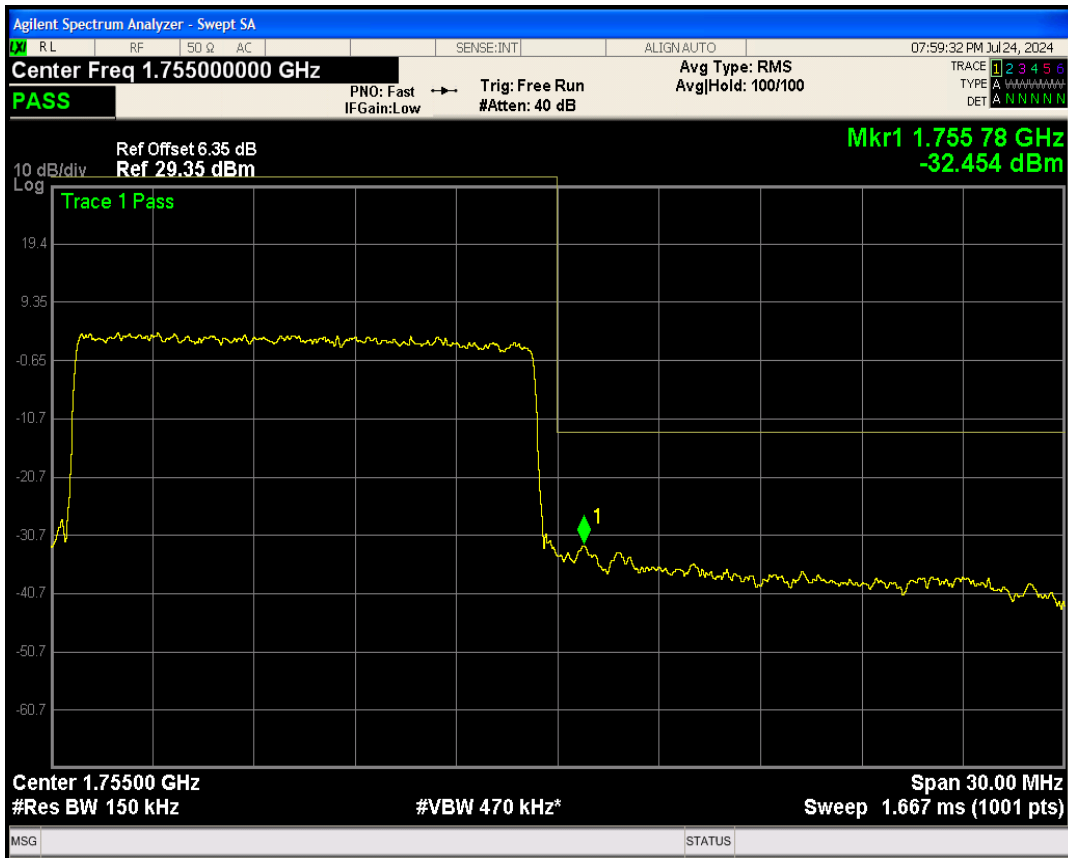


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

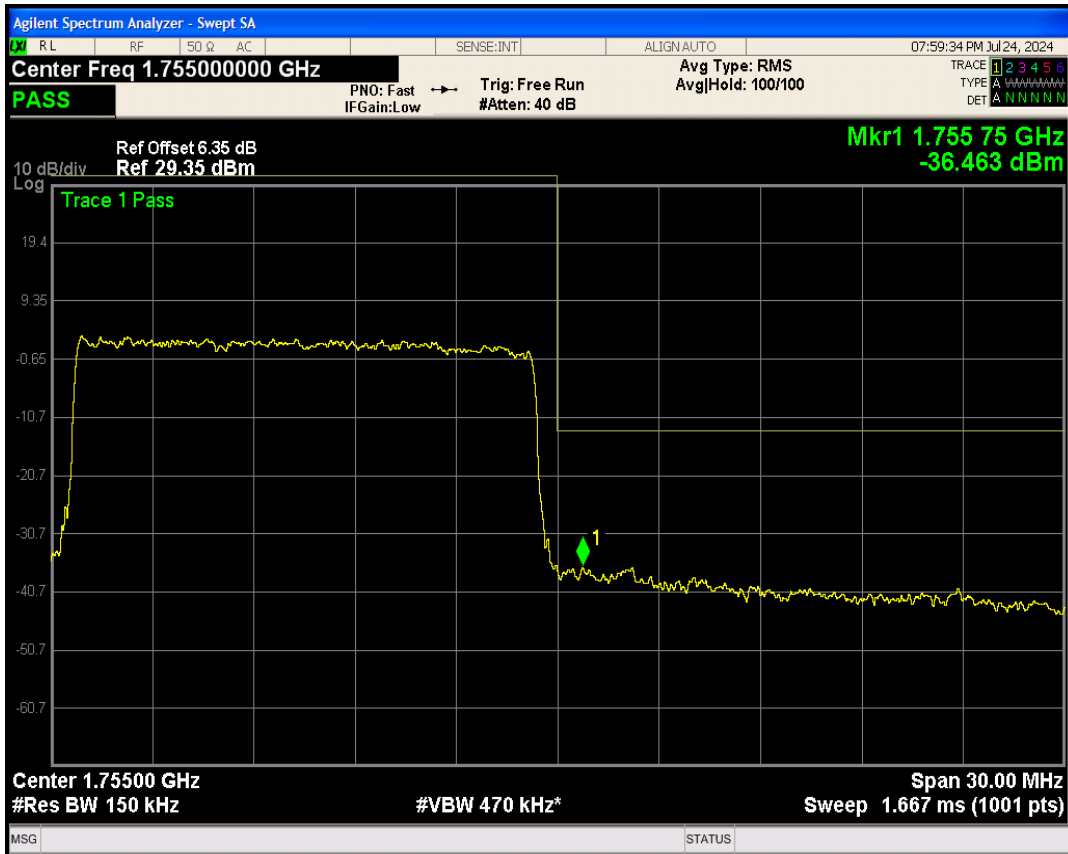


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

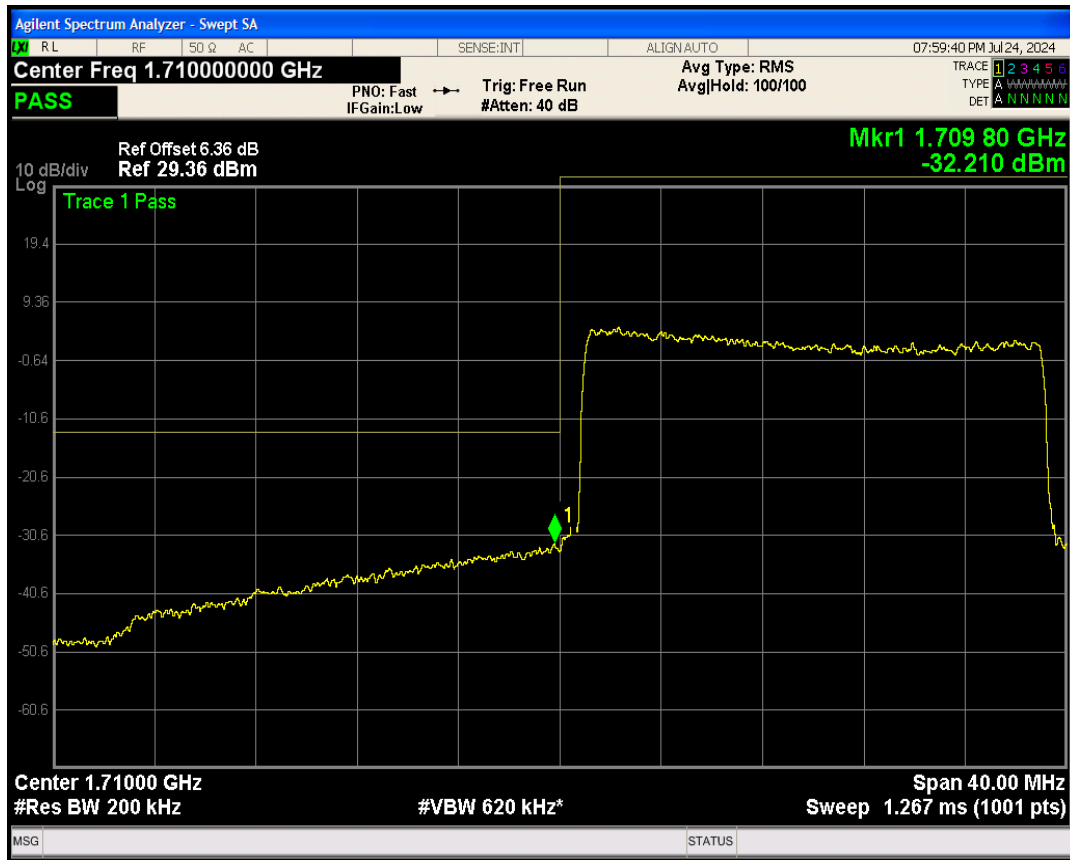




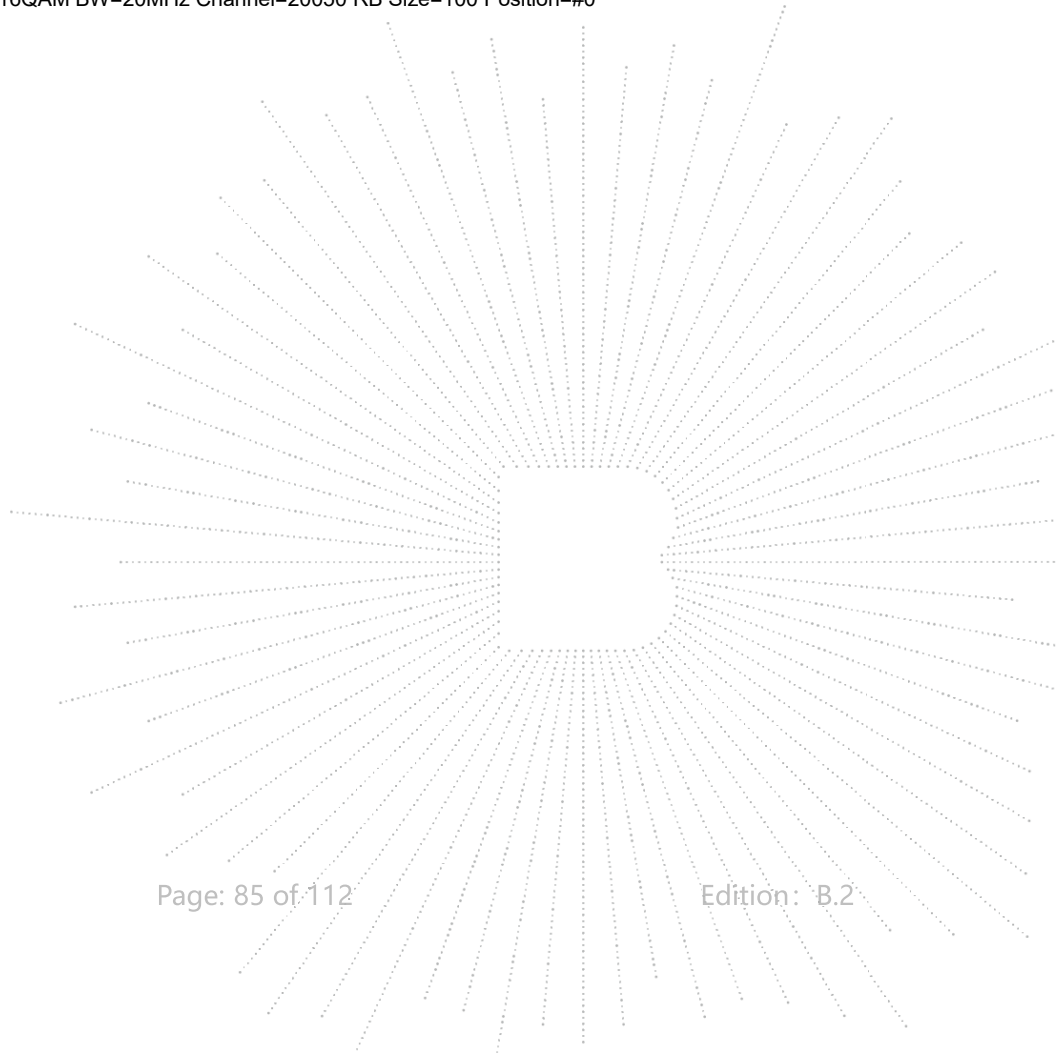
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

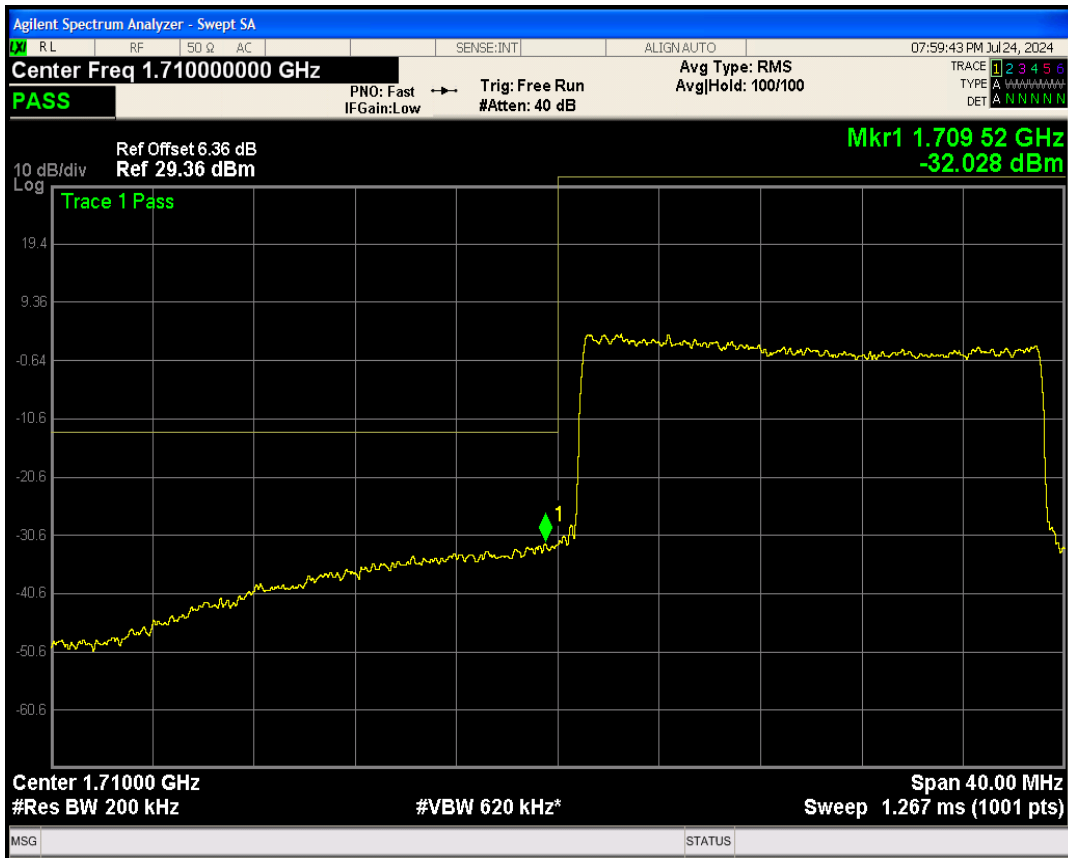


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

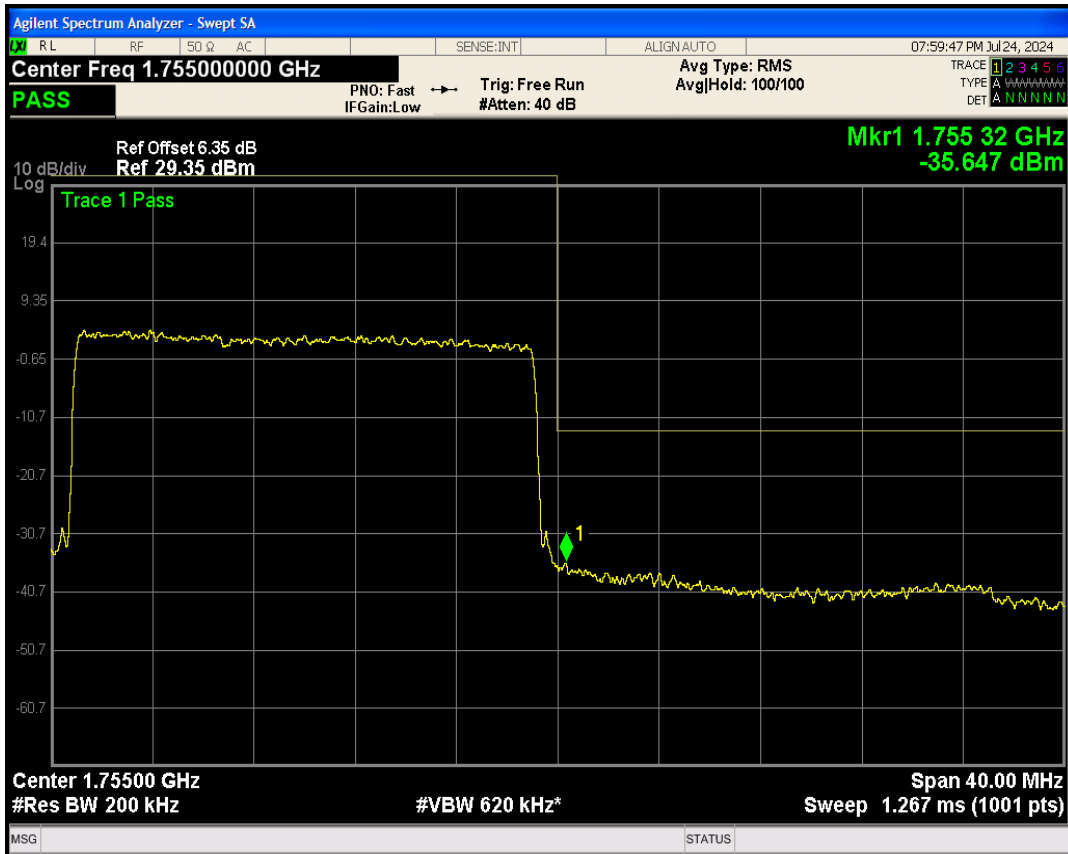


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



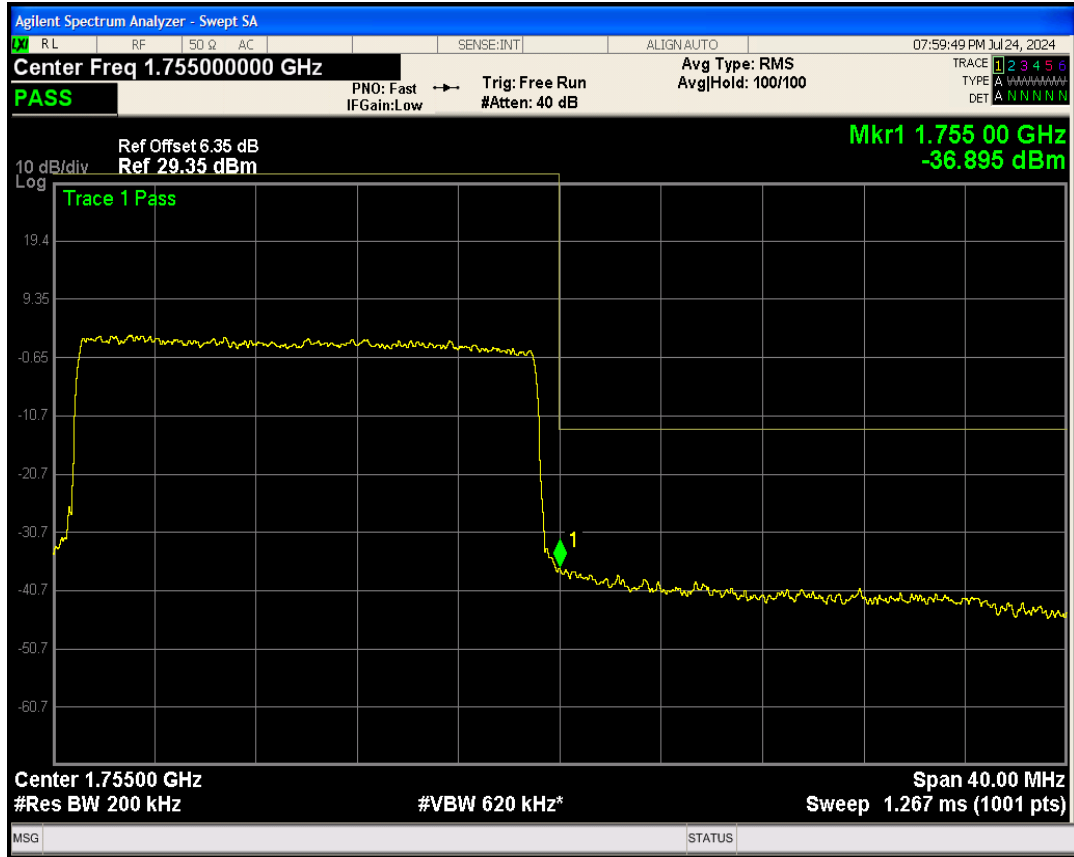


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





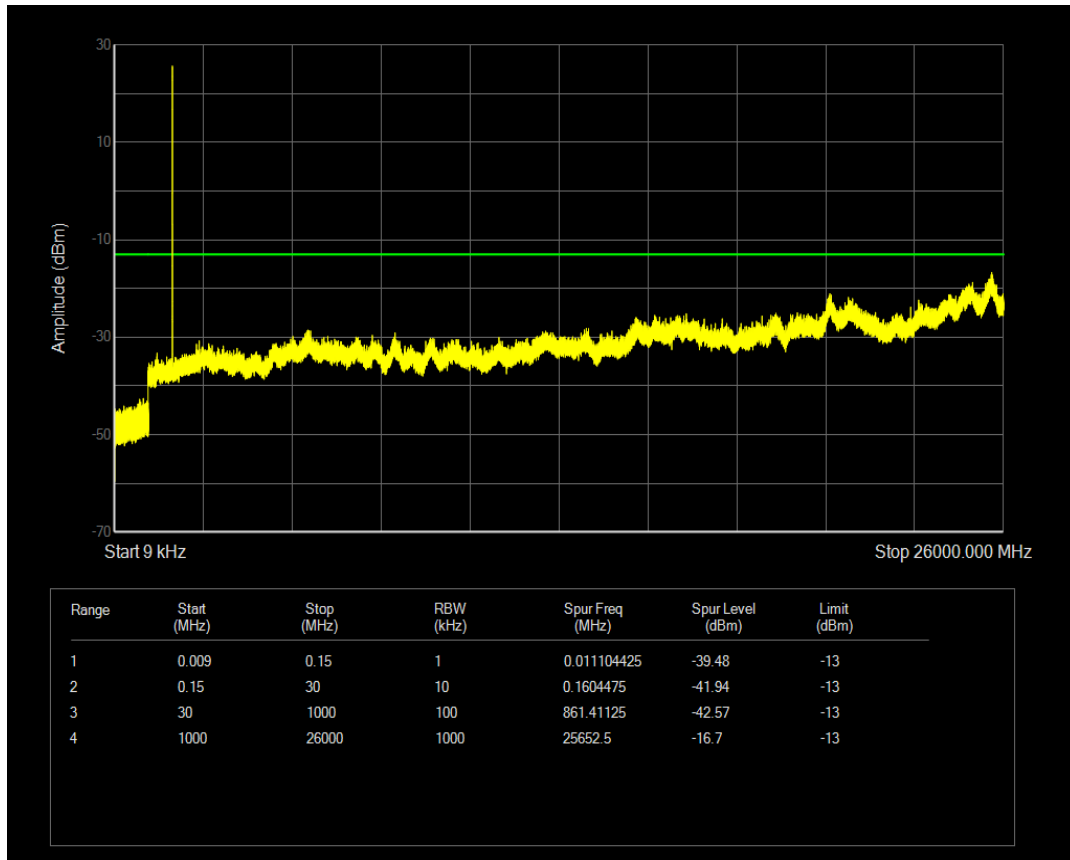
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



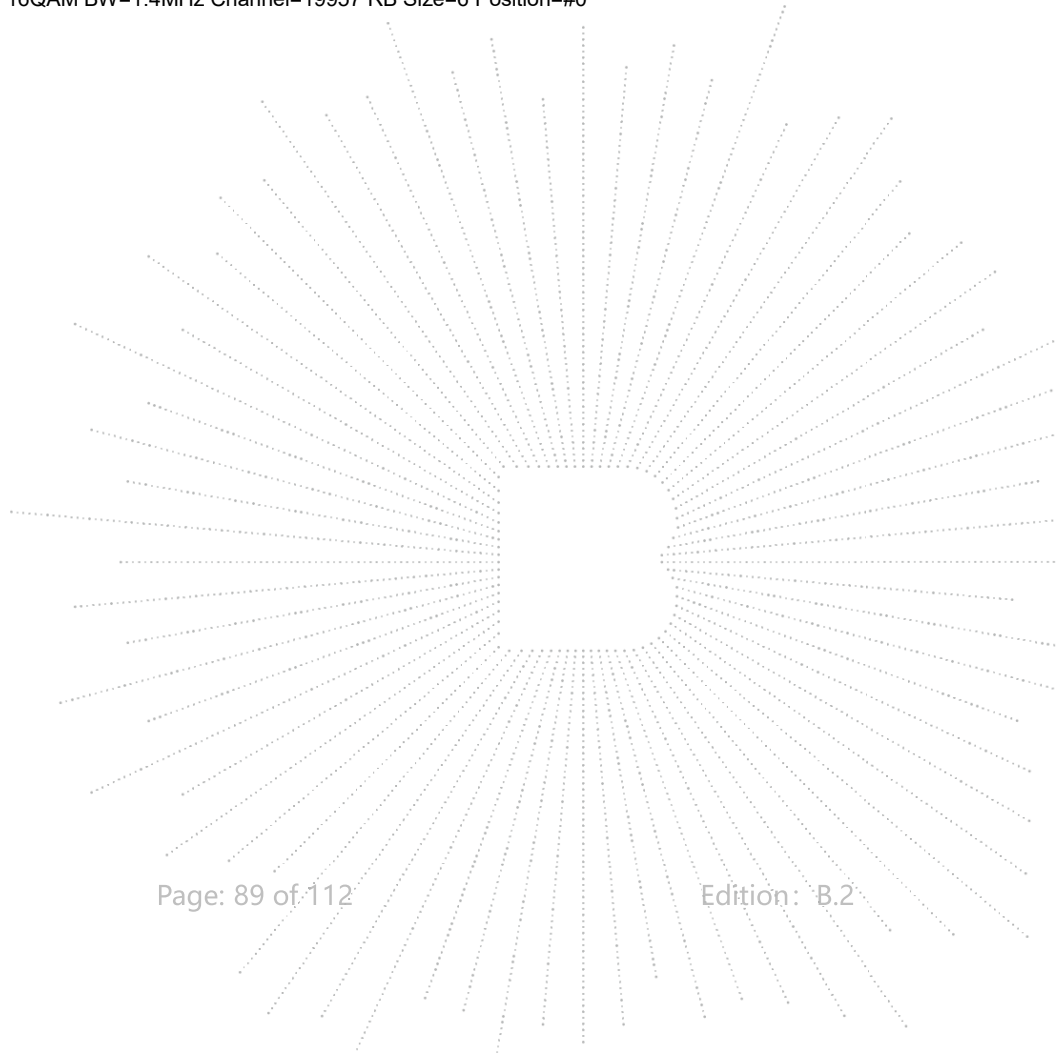
Appendix 6. Out-of-band emissions

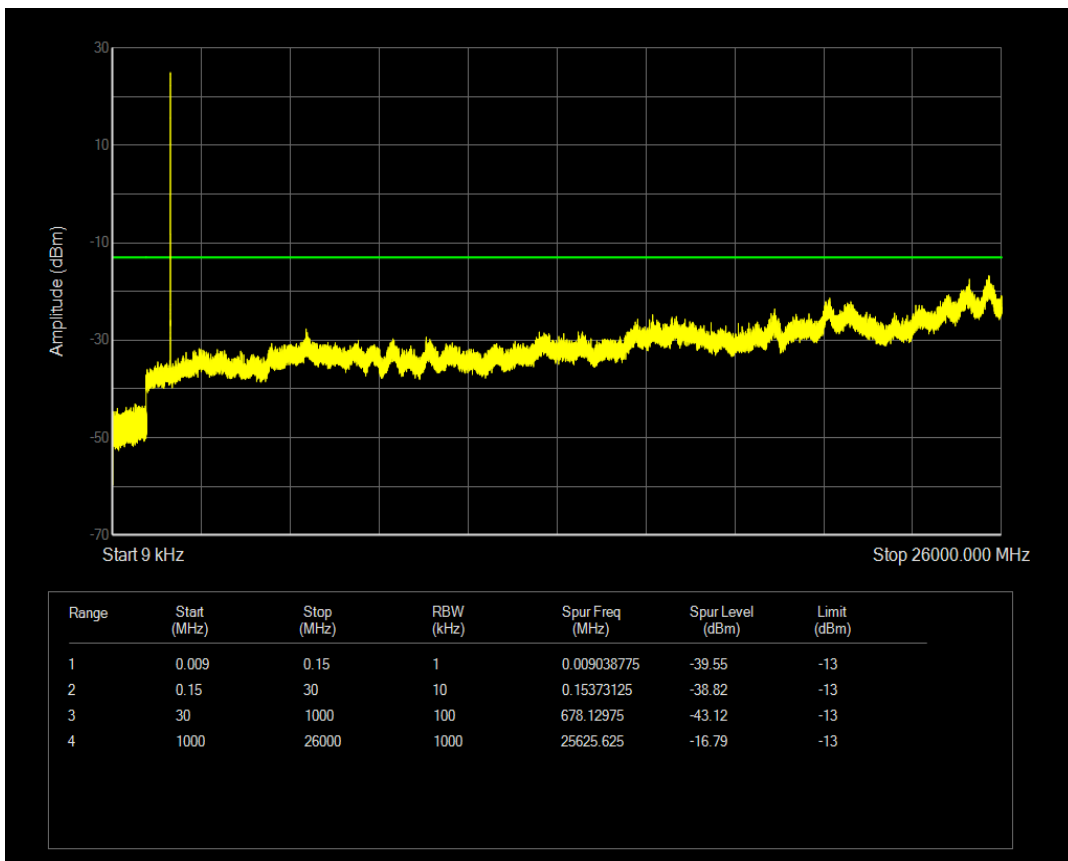
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25652.50	-16.70	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25625.63	-16.79	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25619.38	-17.24	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25641.88	-17.45	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25641.88	-16.39	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25650.00	-17.70	-13	PASS
Band4	3	19965	15	#0	QPSK	25620.00	-16.71	-13	PASS
Band4	3	19965	15	#0	16QAM	25620.63	-17.25	-13	PASS
Band4	3	20175	15	#0	QPSK	25664.38	-16.81	-13	PASS
Band4	3	20175	15	#0	16QAM	25648.75	-15.60	-13	PASS
Band4	3	20385	15	#0	QPSK	25630.63	-17.26	-13	PASS
Band4	3	20385	15	#0	16QAM	25676.25	-16.92	-13	PASS
Band4	5	19975	25	#0	QPSK	25595.63	-17.45	-13	PASS
Band4	5	19975	25	#0	16QAM	25695.00	-17.76	-13	PASS
Band4	5	20175	25	#0	QPSK	25616.25	-16.81	-13	PASS
Band4	5	20175	25	#0	16QAM	25626.88	-17.02	-13	PASS
Band4	5	20375	25	#0	QPSK	25596.25	-16.59	-13	PASS
Band4	5	20375	25	#0	16QAM	25598.13	-17.47	-13	PASS
Band4	10	20000	50	#0	QPSK	25643.75	-15.83	-13	PASS
Band4	10	20000	50	#0	16QAM	25632.50	-16.28	-13	PASS
Band4	10	20175	50	#0	QPSK	25621.88	-17.48	-13	PASS
Band4	10	20175	50	#0	16QAM	25623.75	-17.72	-13	PASS
Band4	10	20350	50	#0	QPSK	25660.63	-17.34	-13	PASS
Band4	10	20350	50	#0	16QAM	25711.25	-17.90	-13	PASS
Band4	15	20025	75	#0	QPSK	25606.25	-17.55	-13	PASS
Band4	15	20025	75	#0	16QAM	25691.88	-16.96	-13	PASS
Band4	15	20175	75	#0	QPSK	25623.13	-17.70	-13	PASS
Band4	15	20175	75	#0	16QAM	25654.38	-17.57	-13	PASS
Band4	15	20325	75	#0	QPSK	25638.75	-17.61	-13	PASS
Band4	15	20325	75	#0	16QAM	25620.00	-16.61	-13	PASS
Band4	20	20050	100	#0	QPSK	25650.00	-18.04	-13	PASS
Band4	20	20050	100	#0	16QAM	25580.00	-18.05	-13	PASS
Band4	20	20175	100	#0	QPSK	25660.00	-17.03	-13	PASS
Band4	20	20175	100	#0	16QAM	25626.25	-17.27	-13	PASS
Band4	20	20300	100	#0	QPSK	25599.38	-17.74	-13	PASS
Band4	20	20300	100	#0	16QAM	25648.13	-17.66	-13	PASS

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

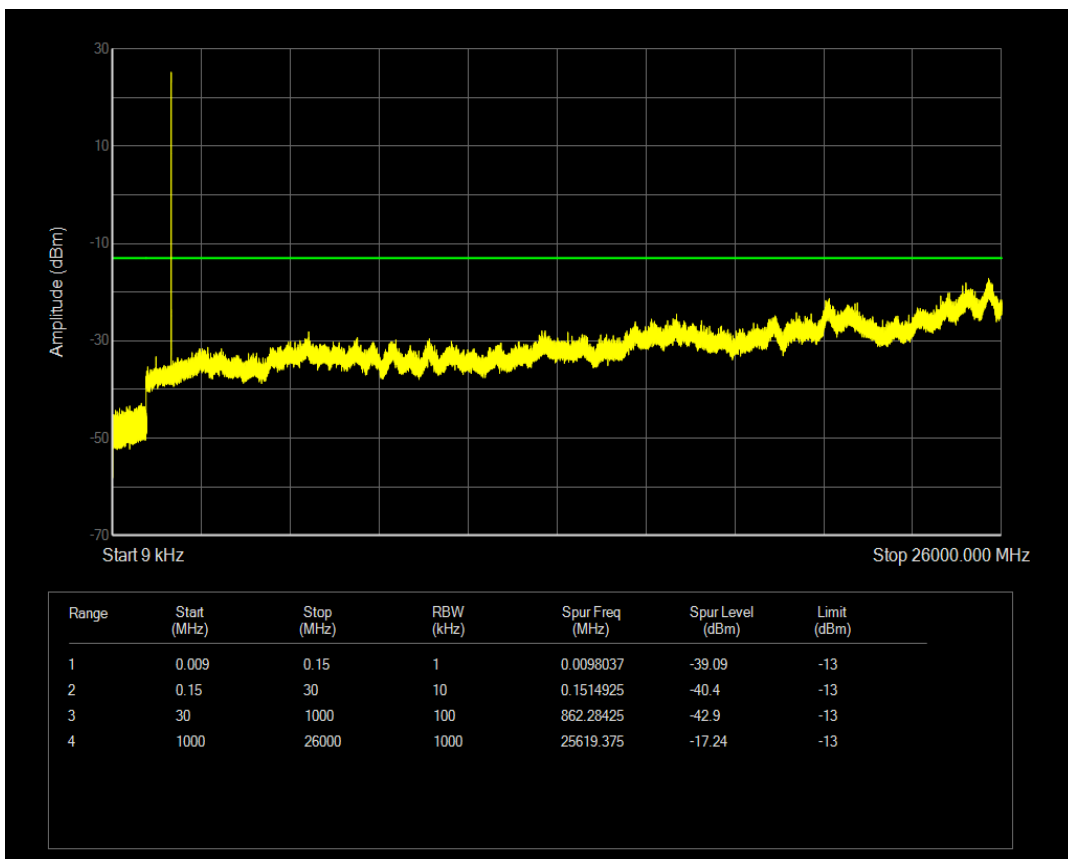


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

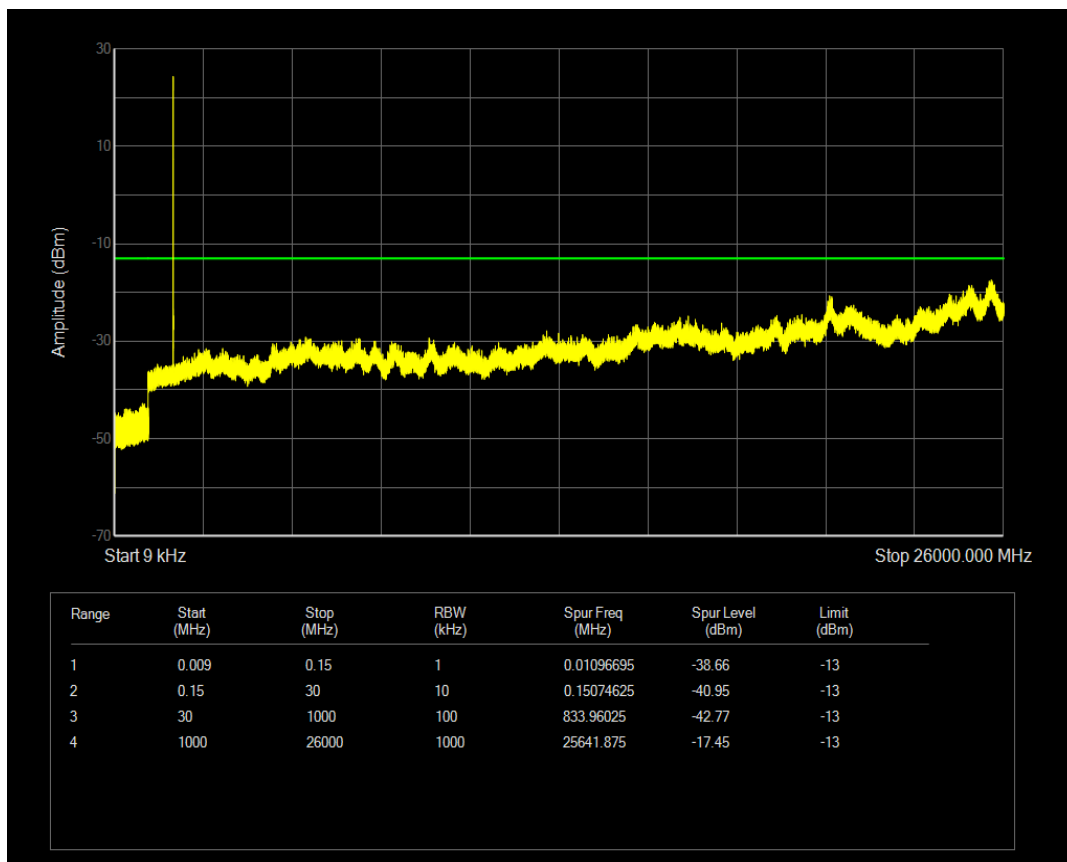




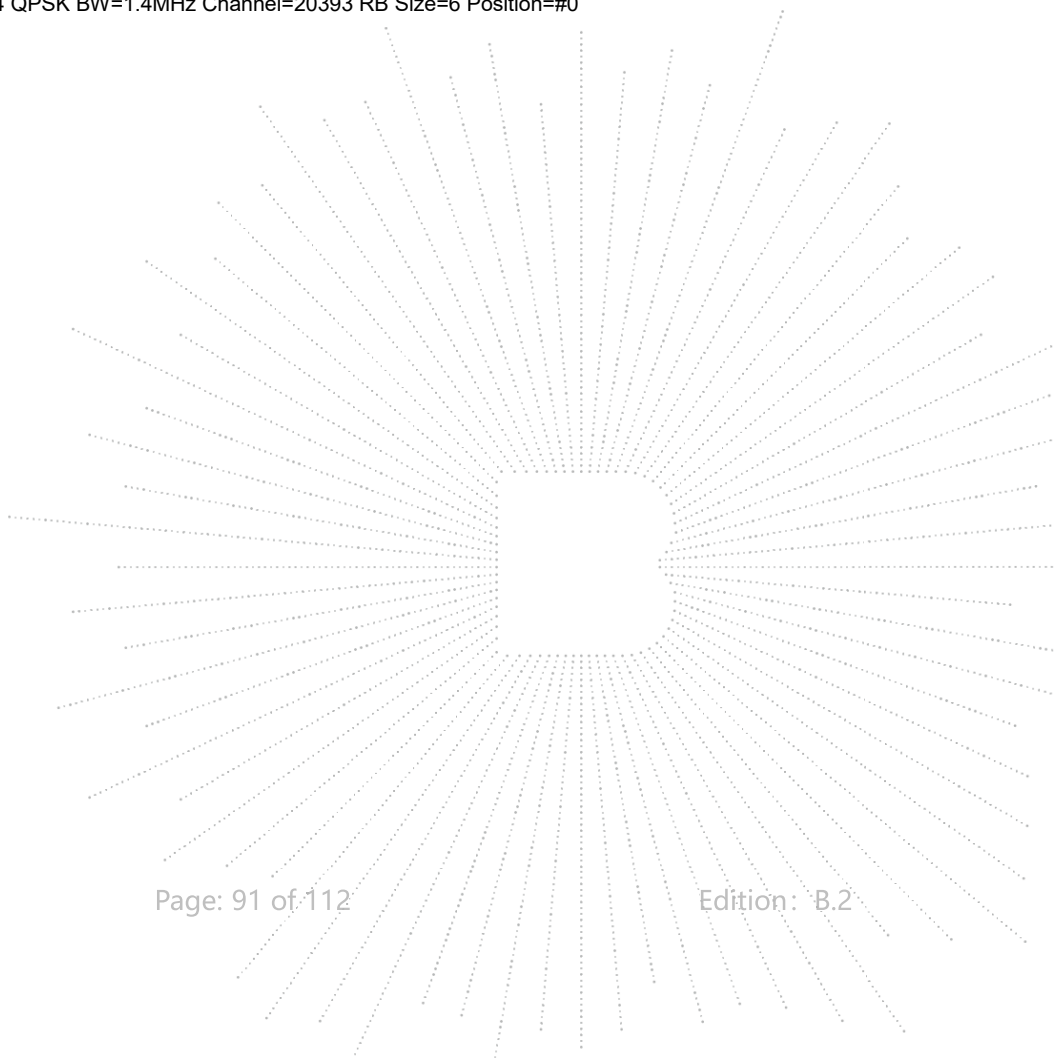
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

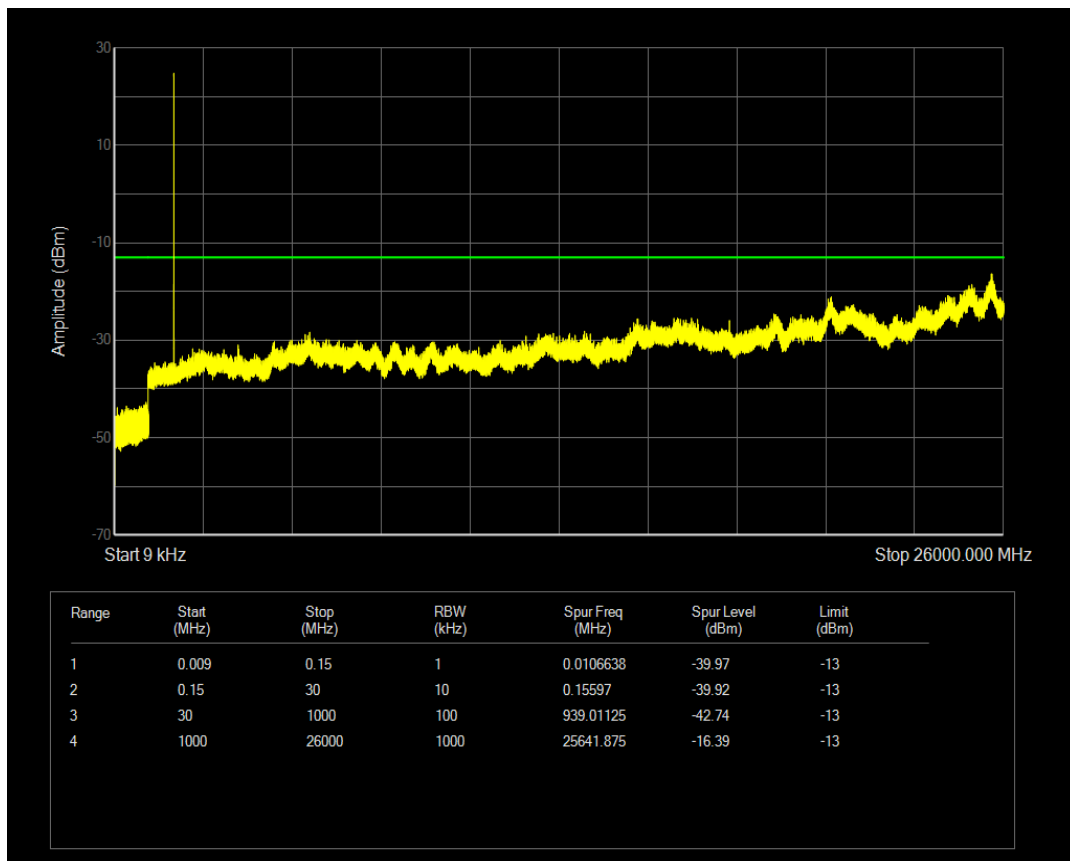


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

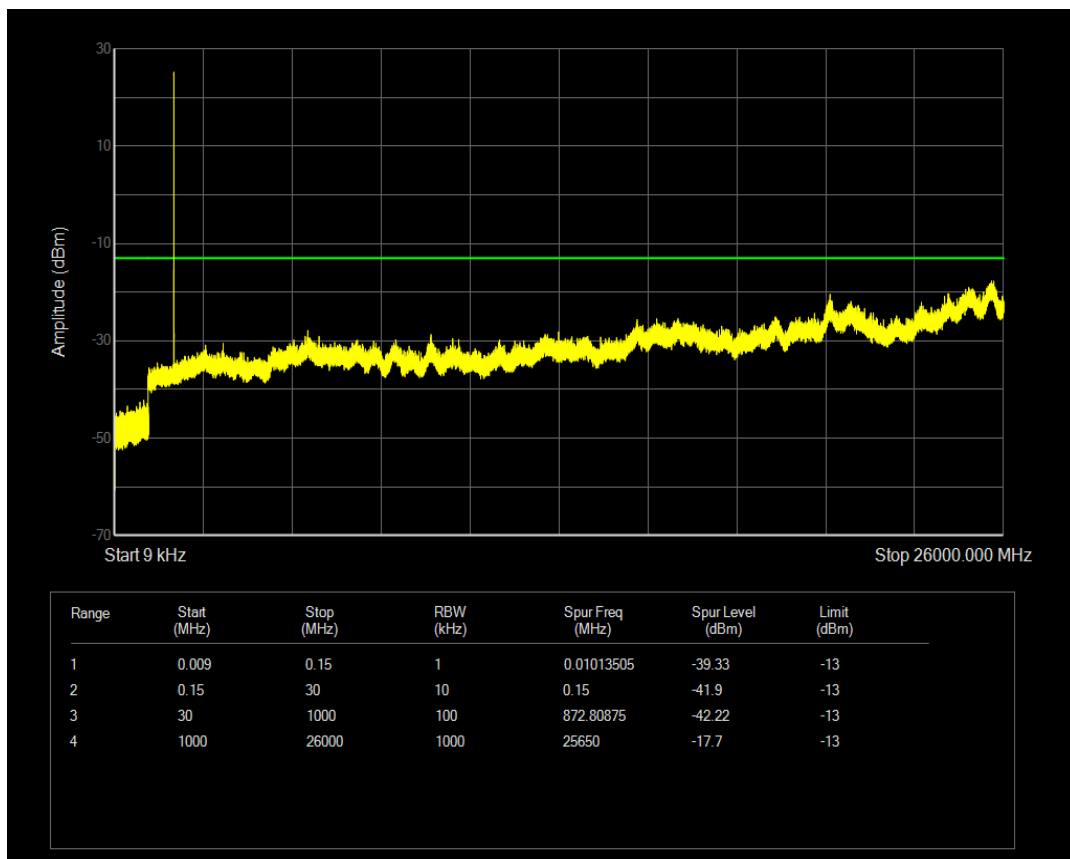


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

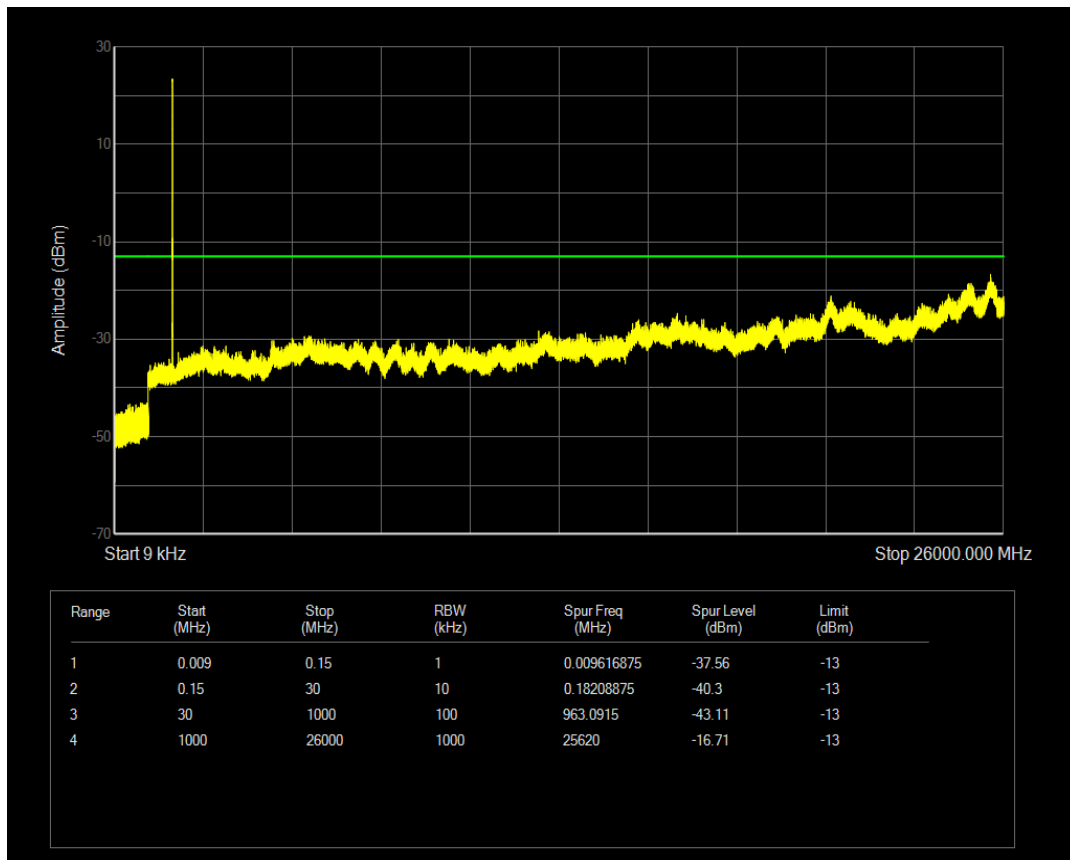




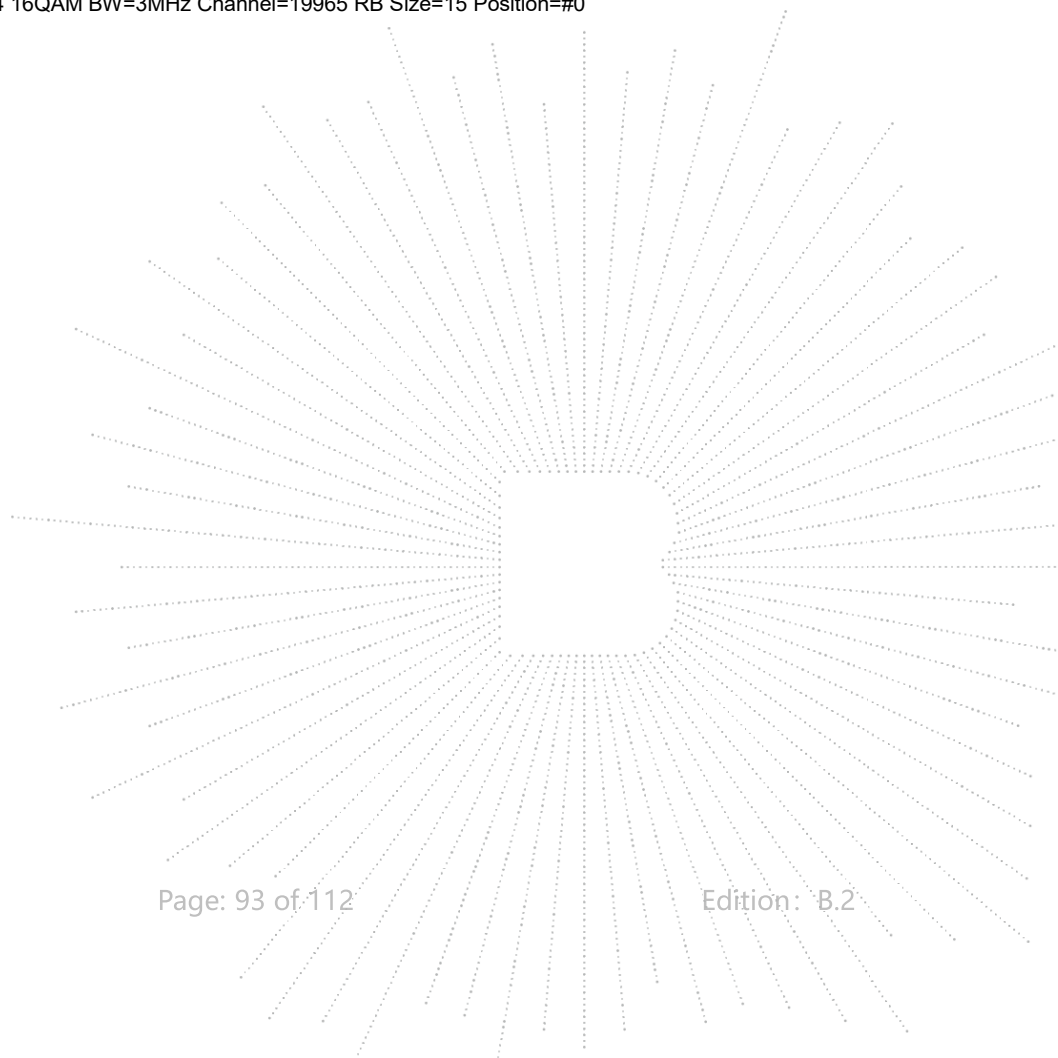
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

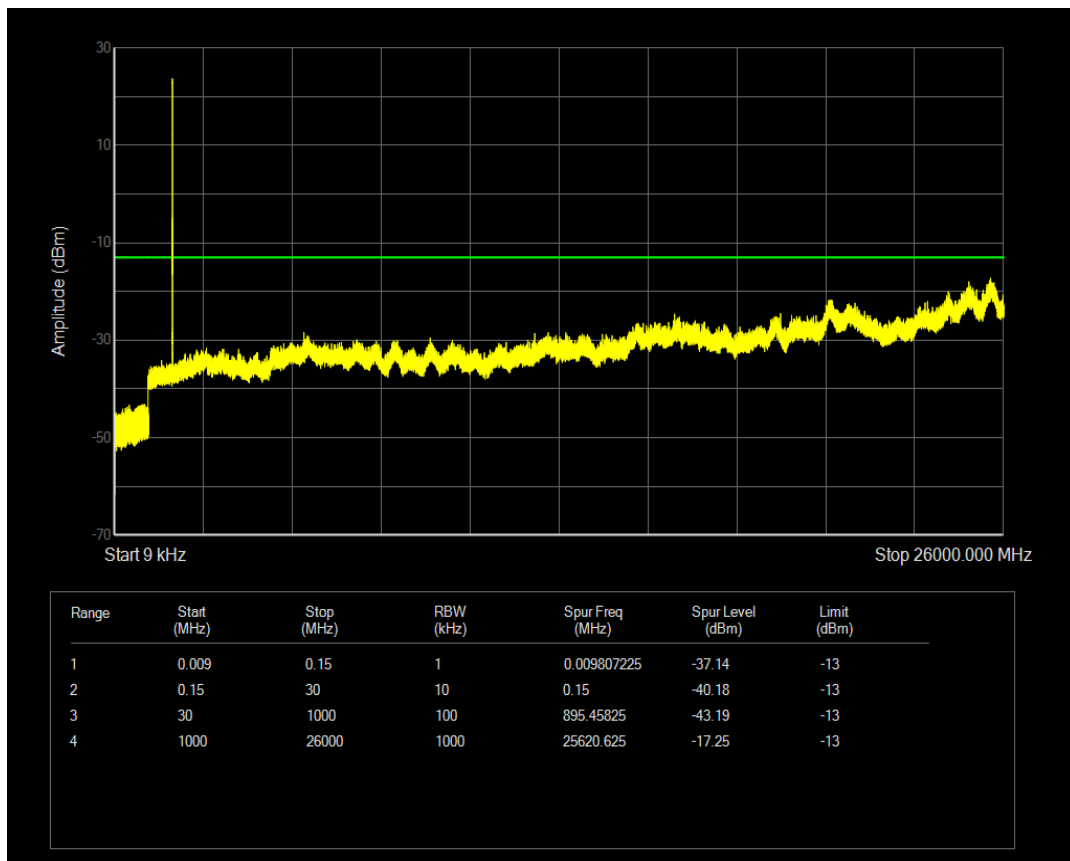


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

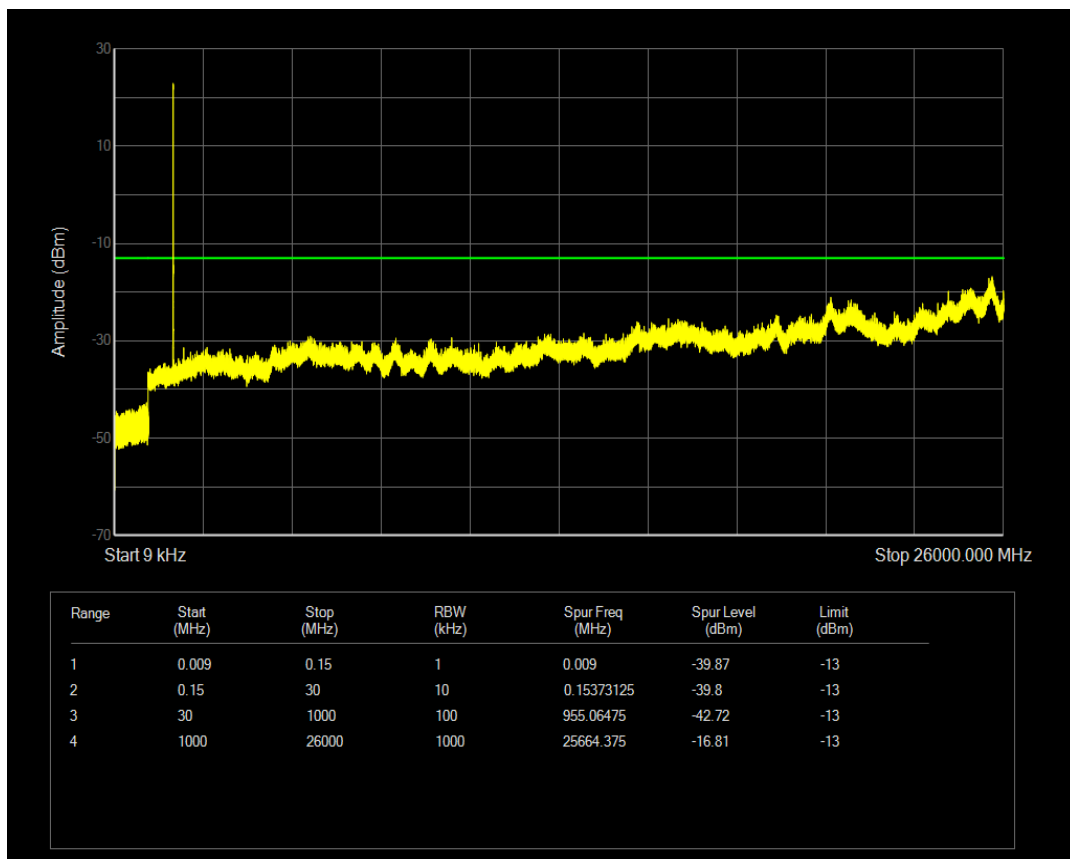


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

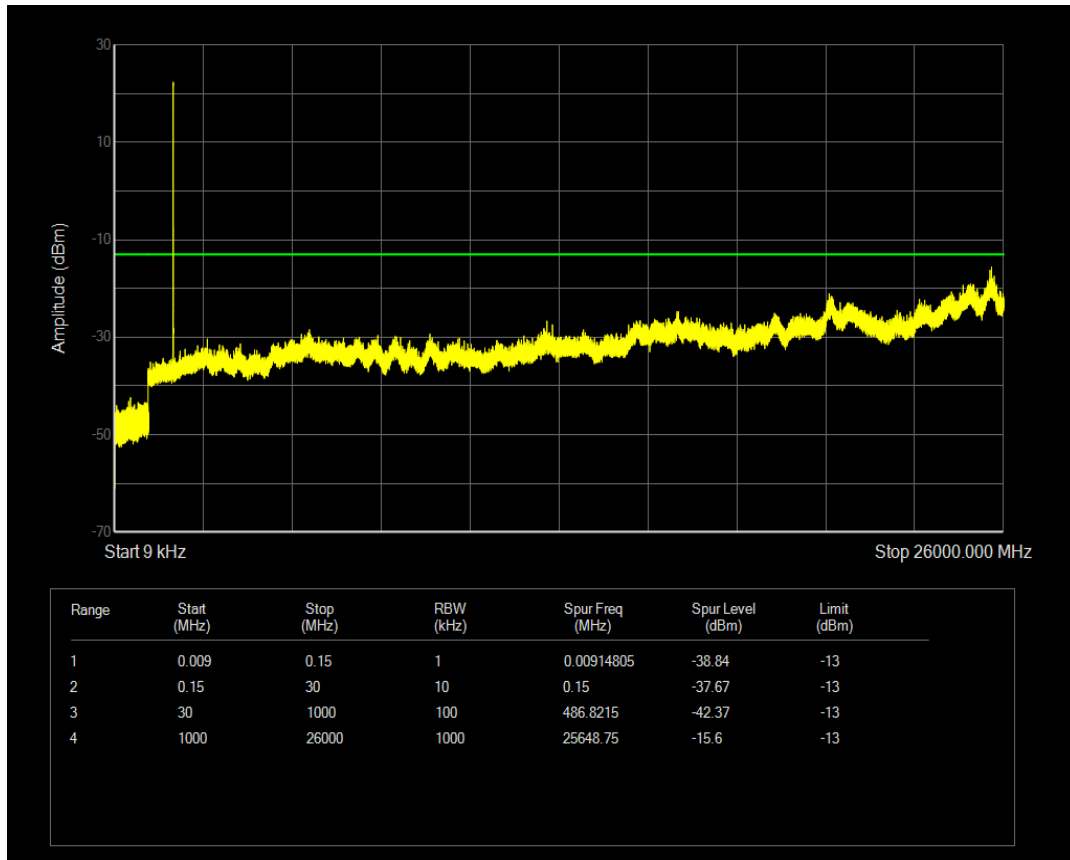




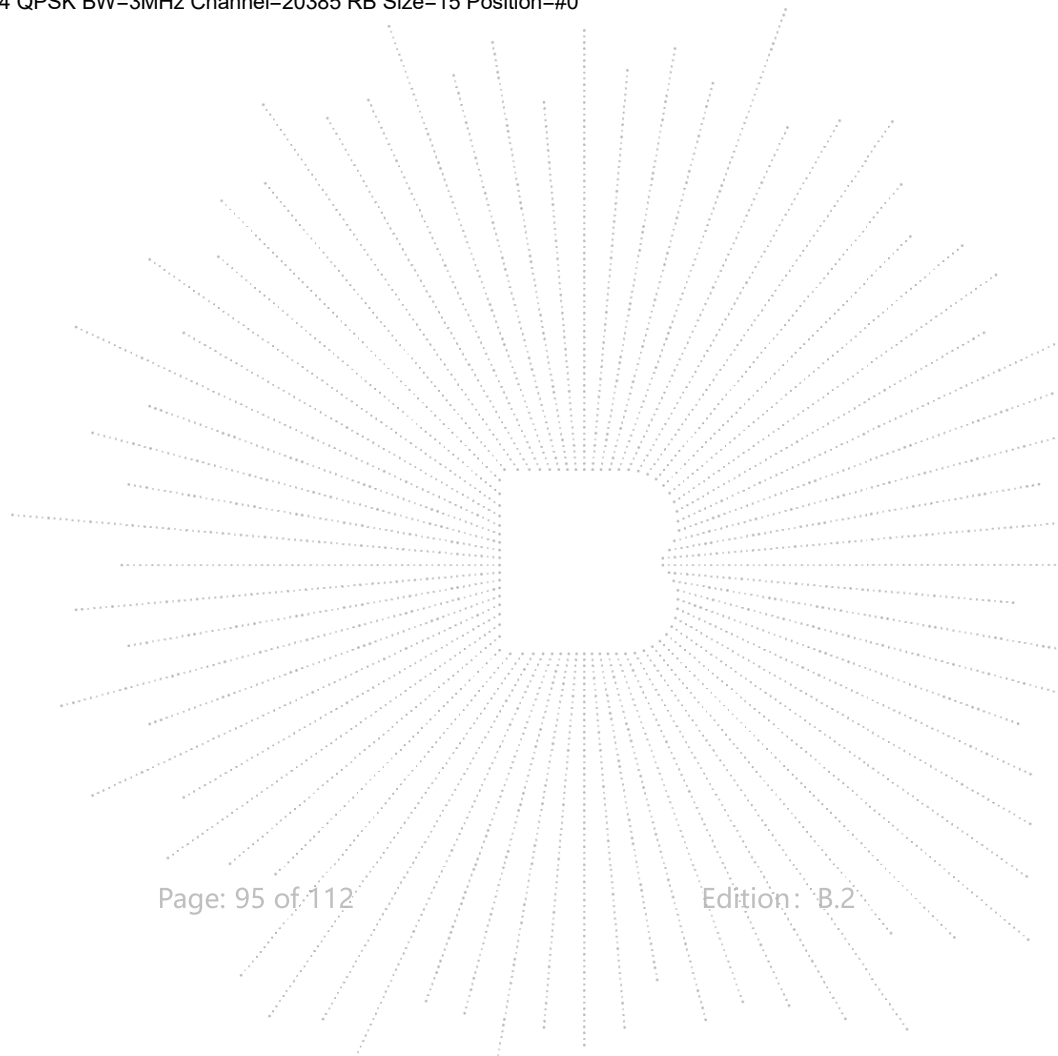
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

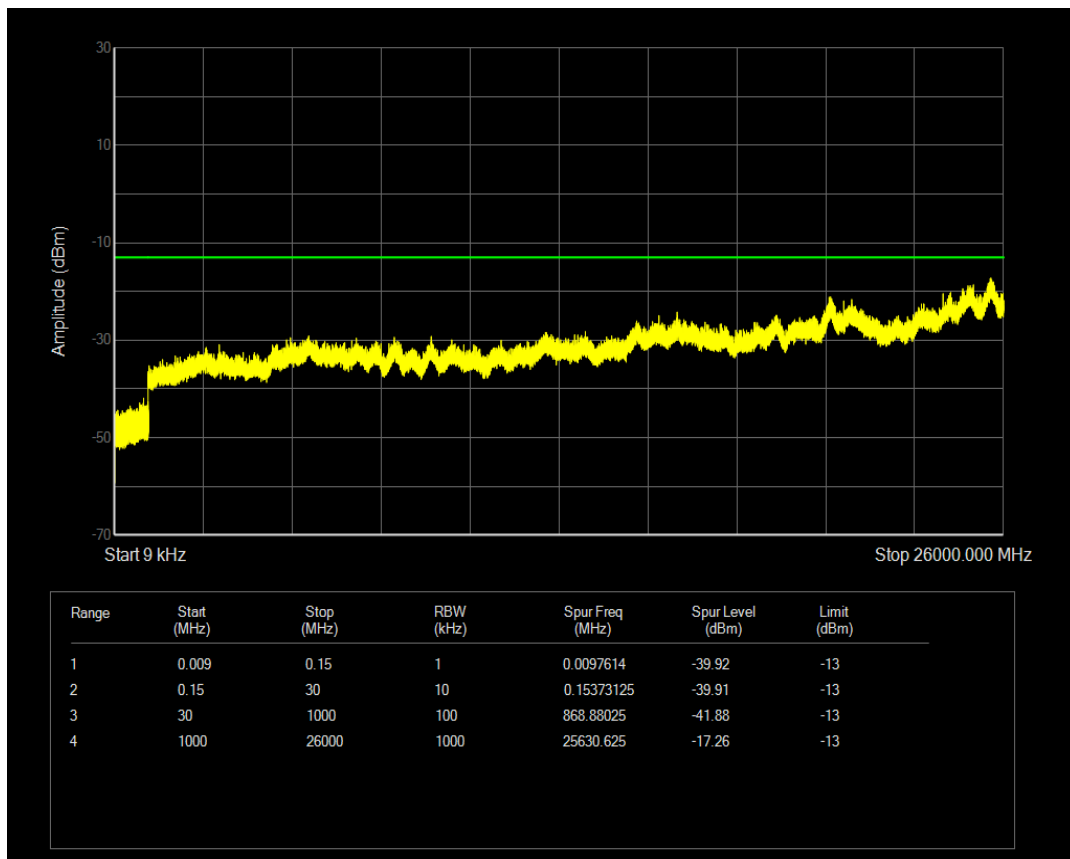


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

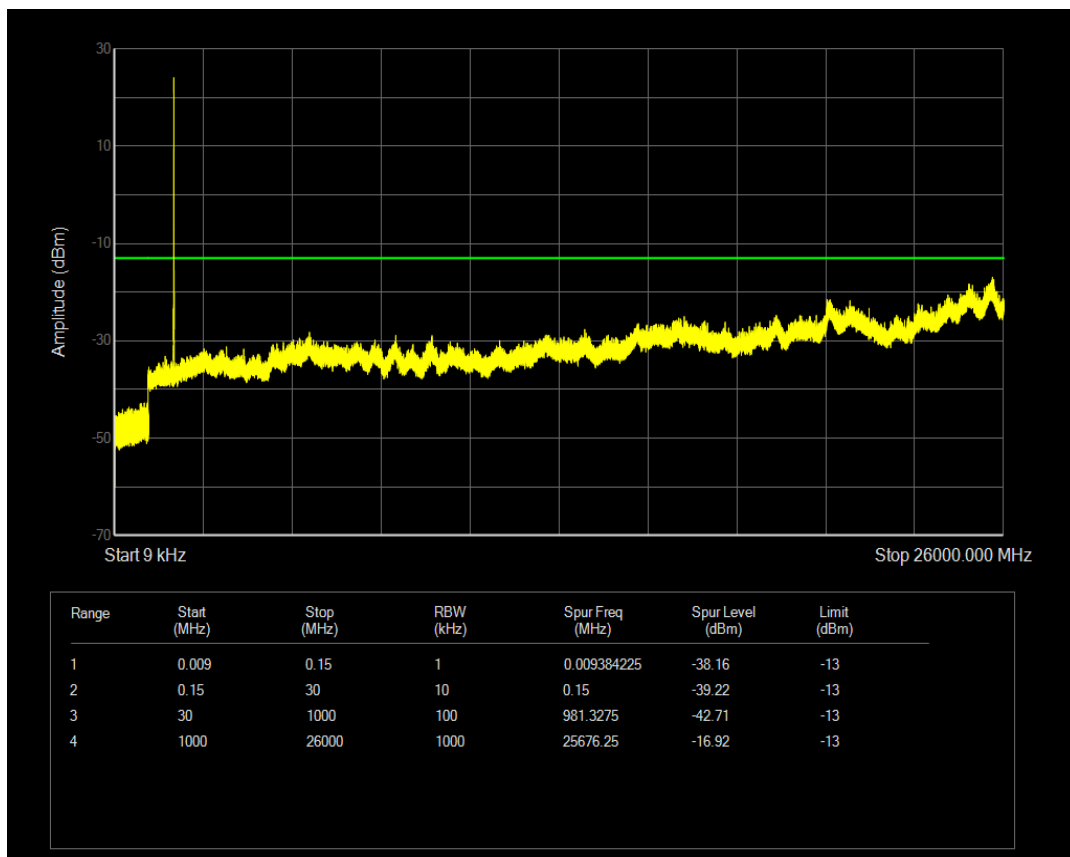


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

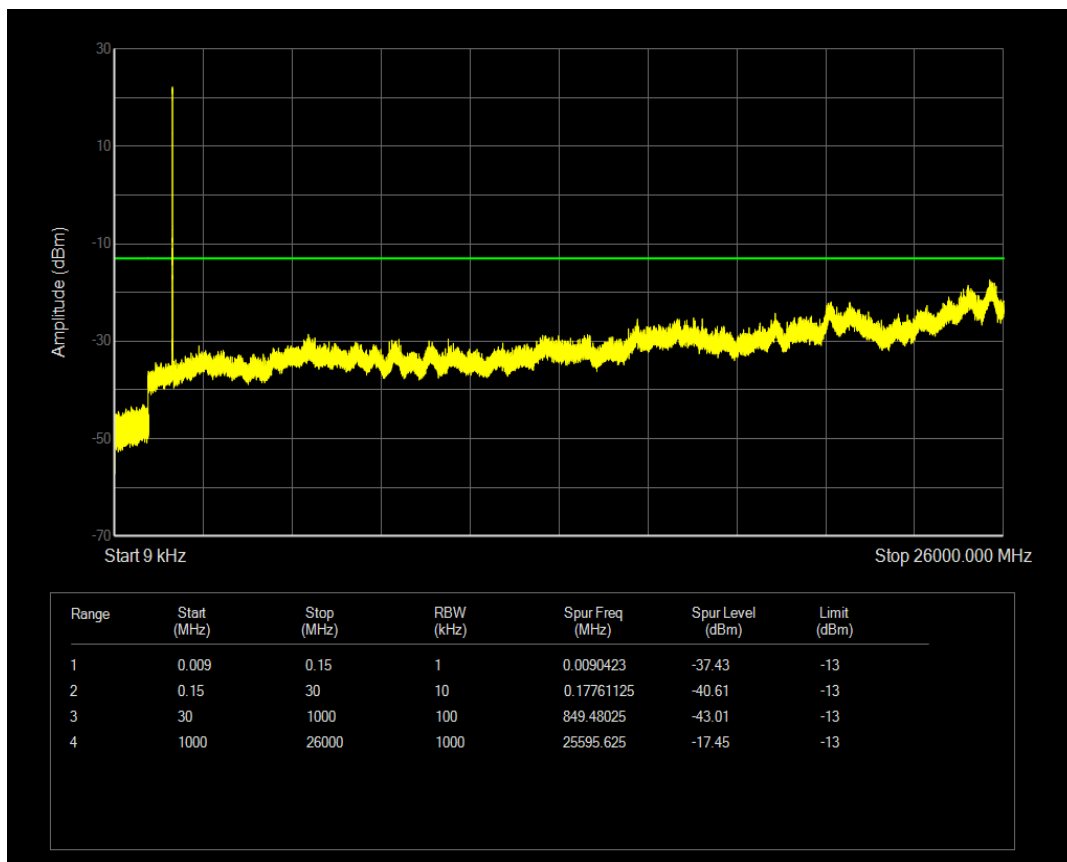




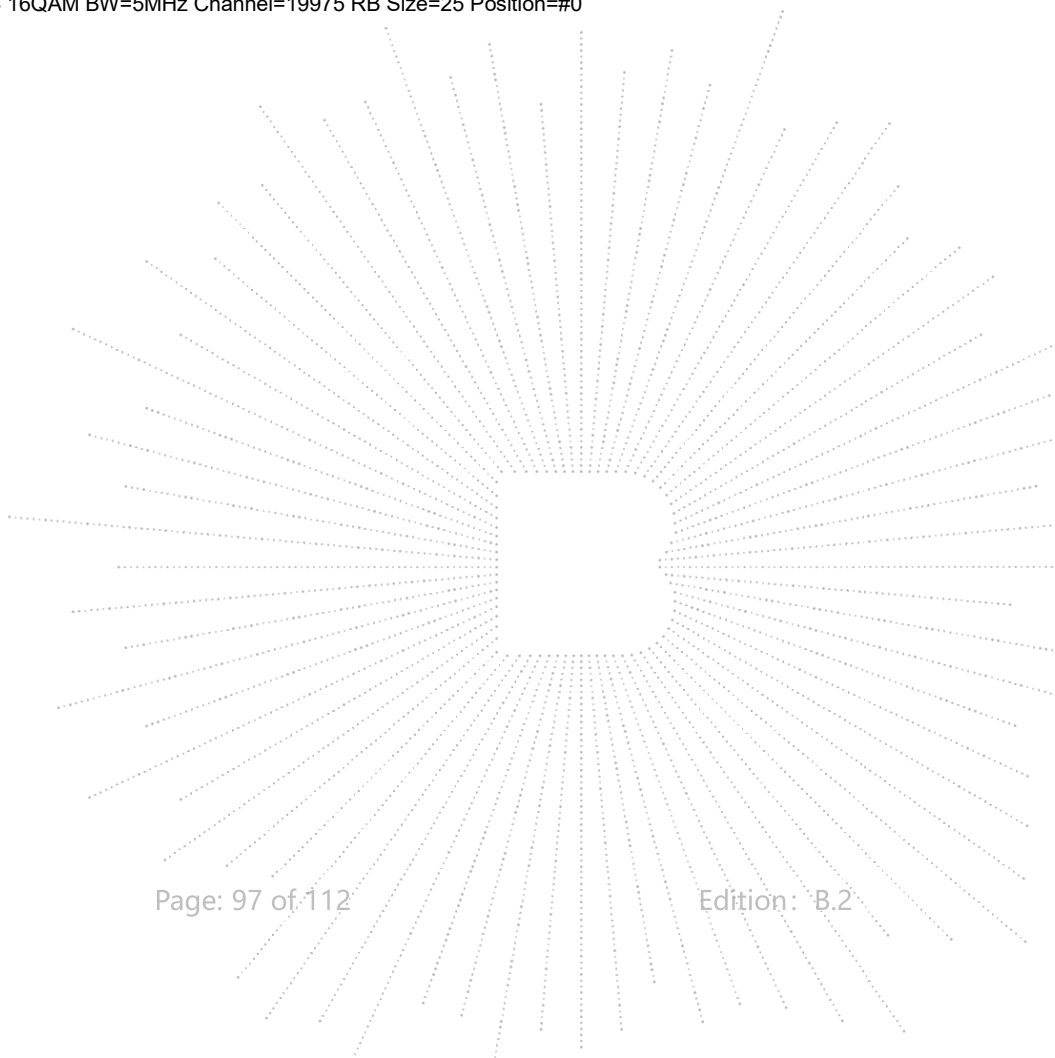
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

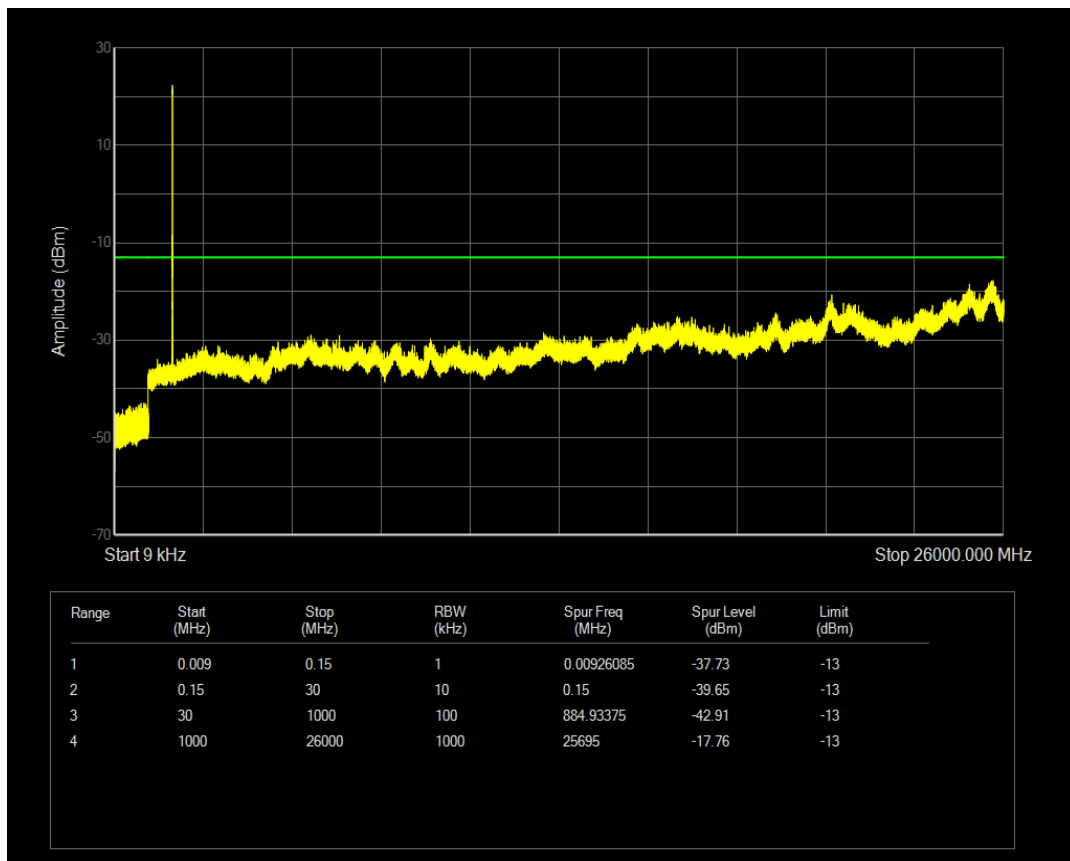


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

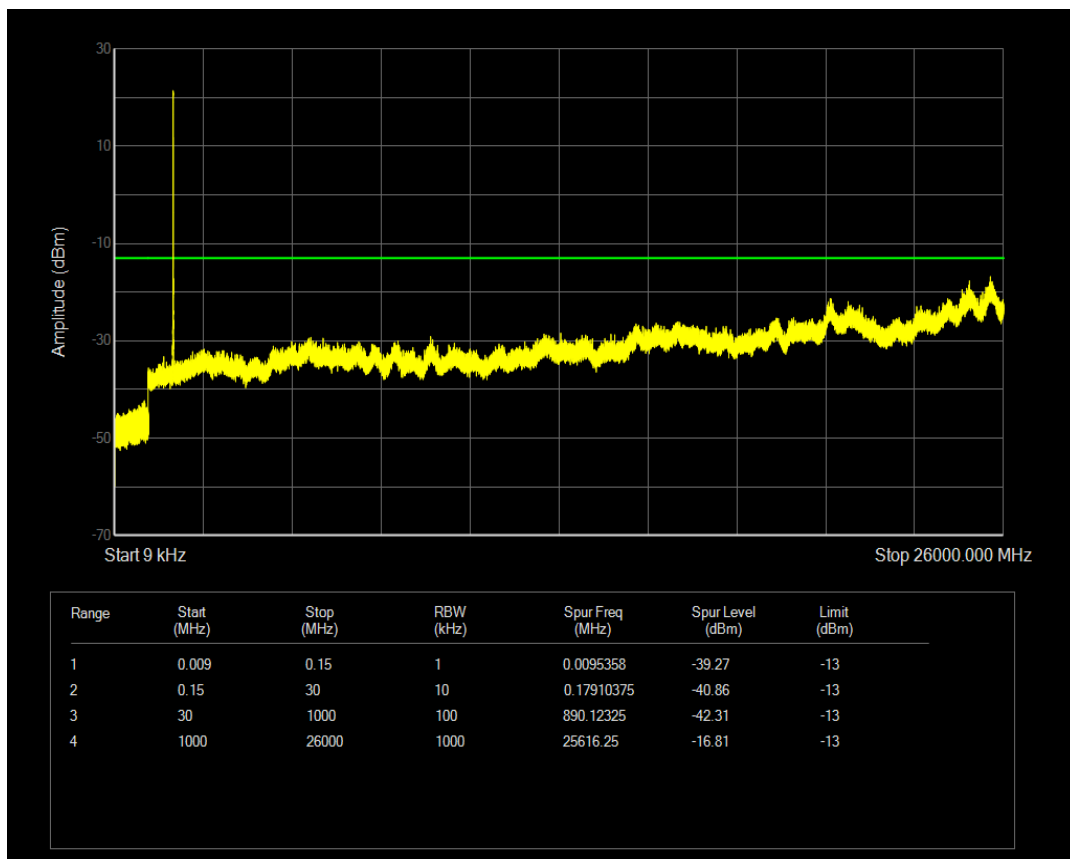


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

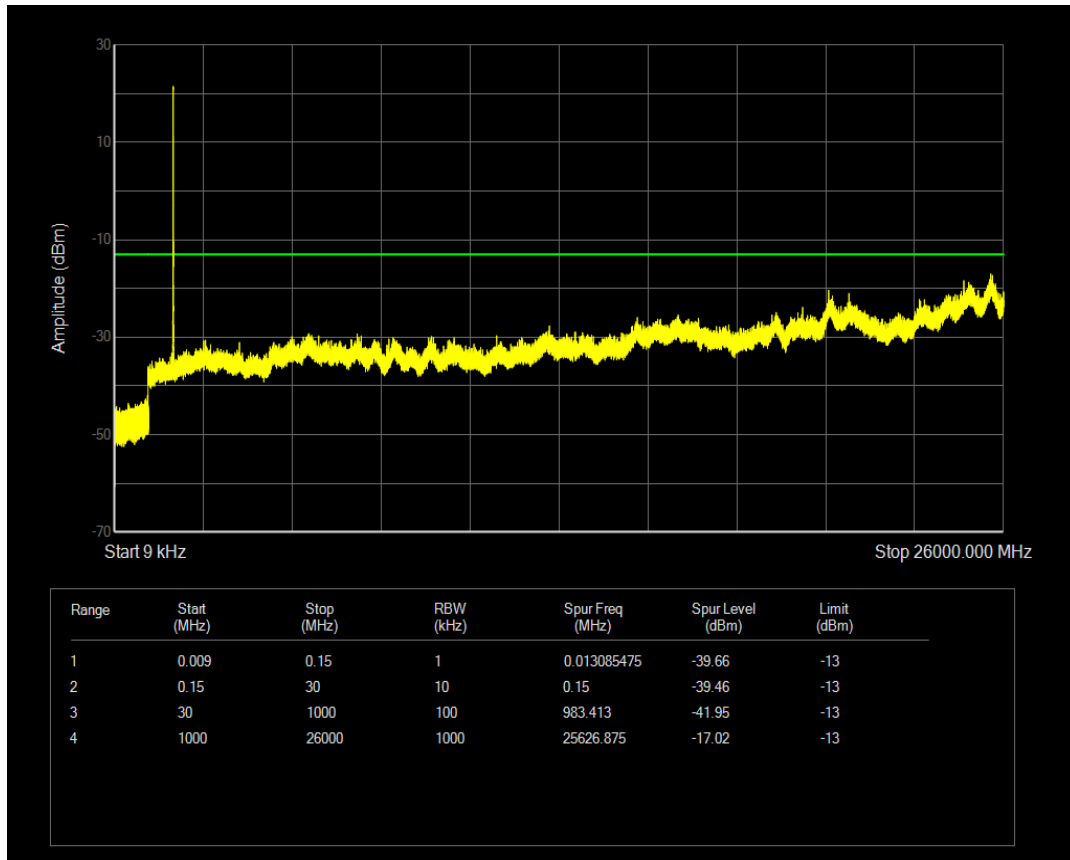




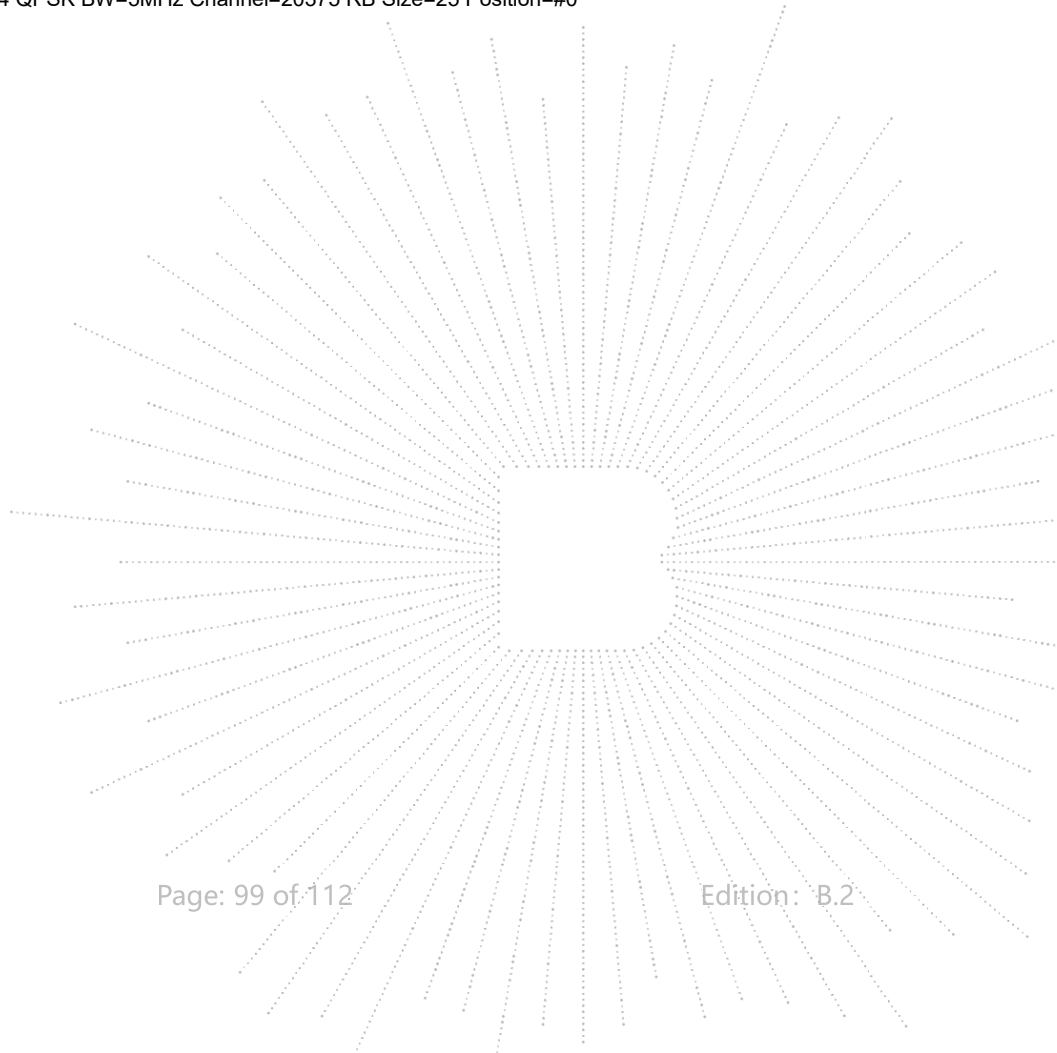
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

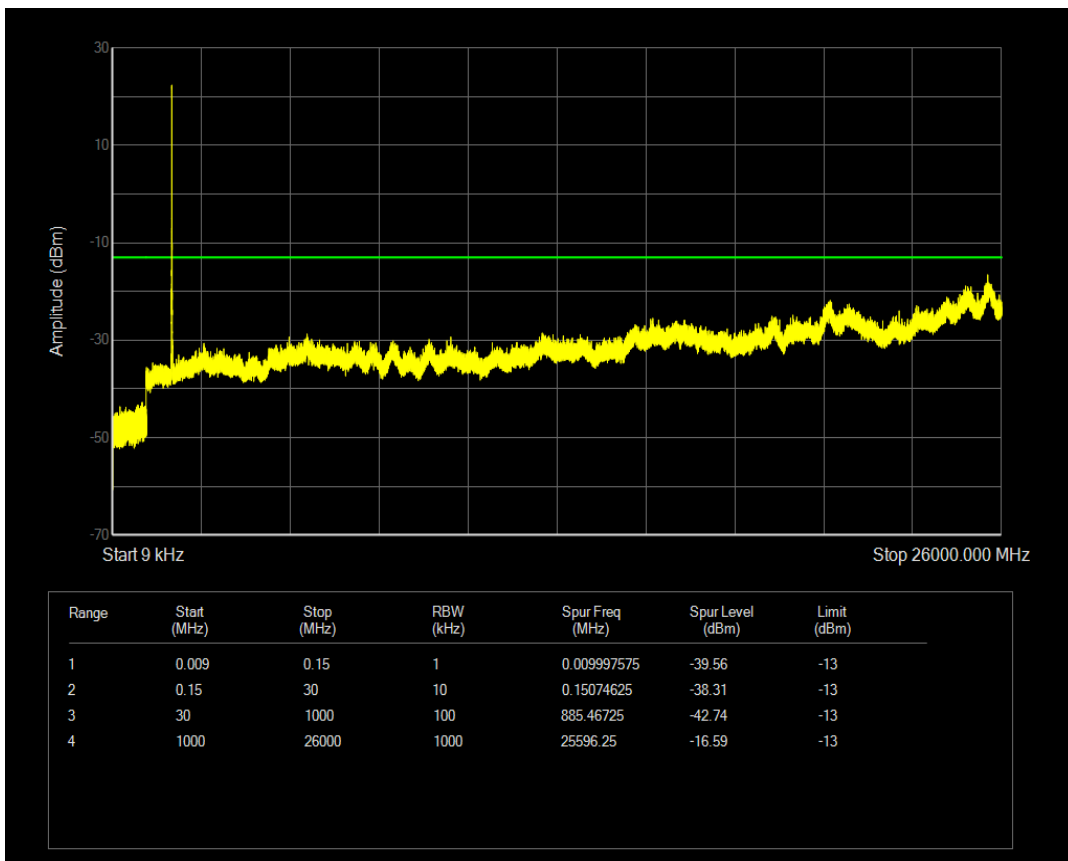


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

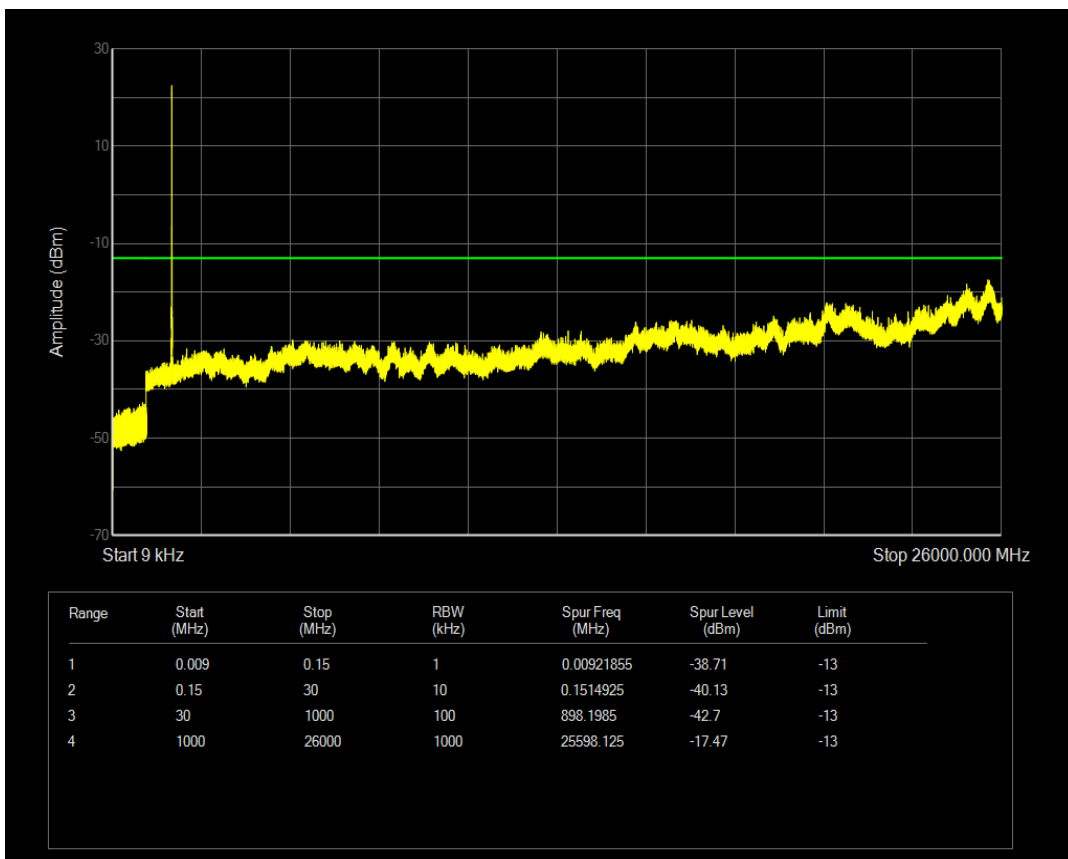


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

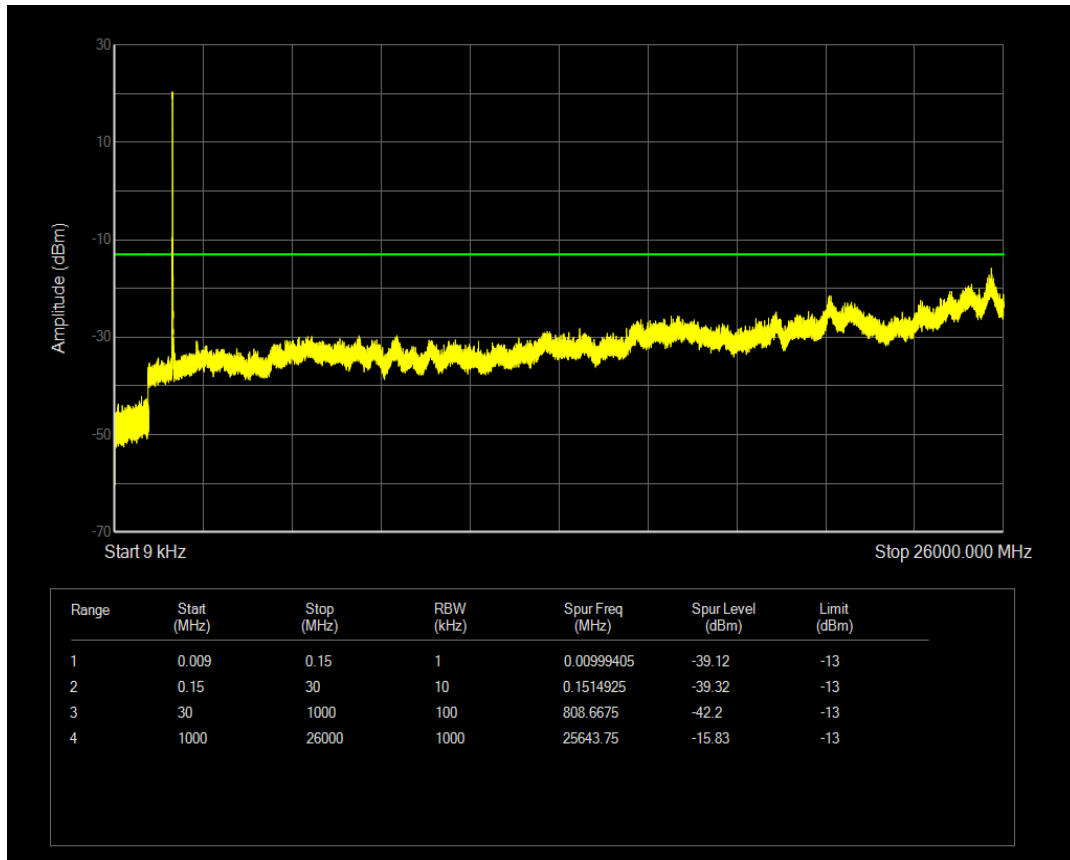




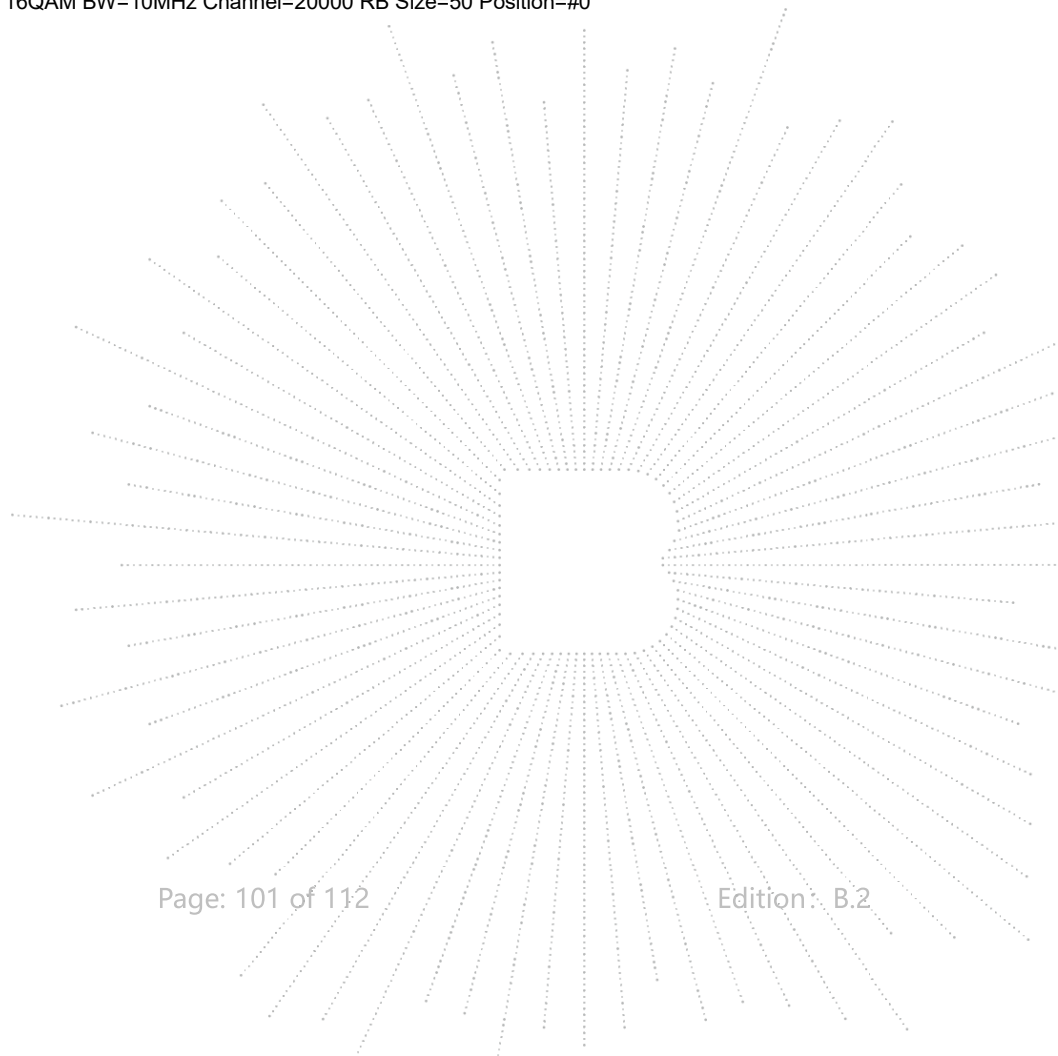
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

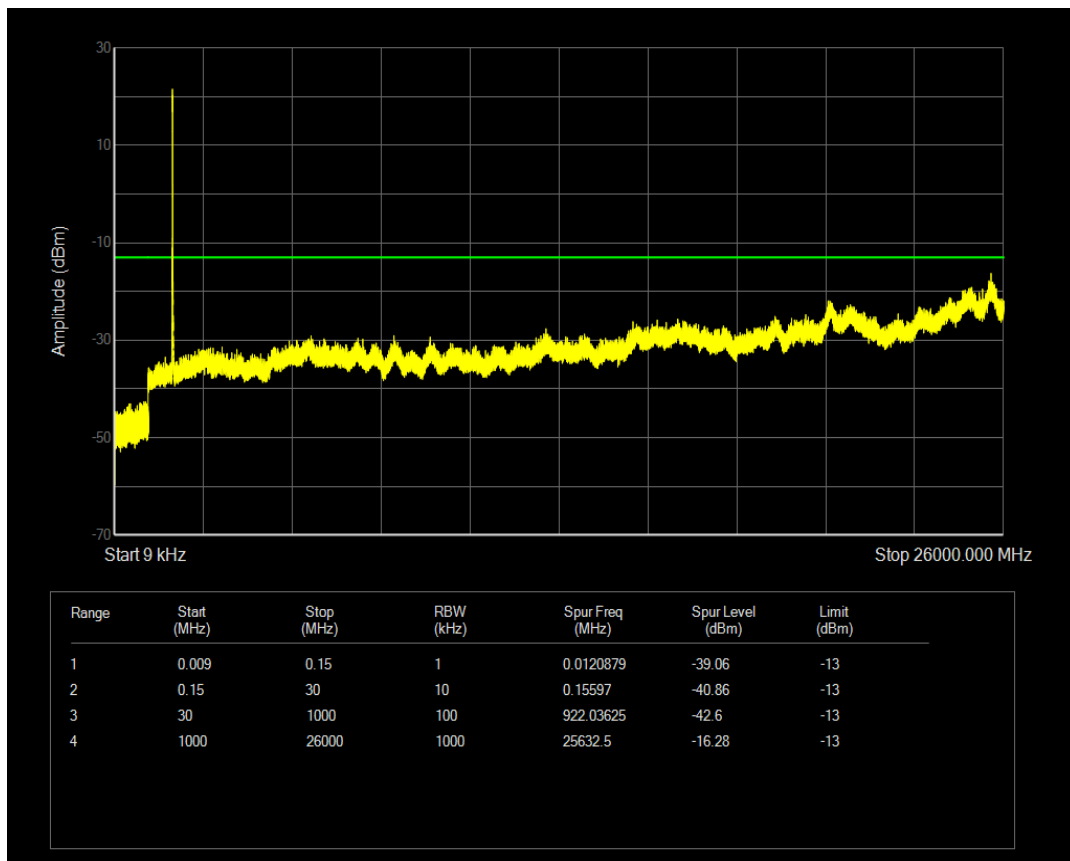


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

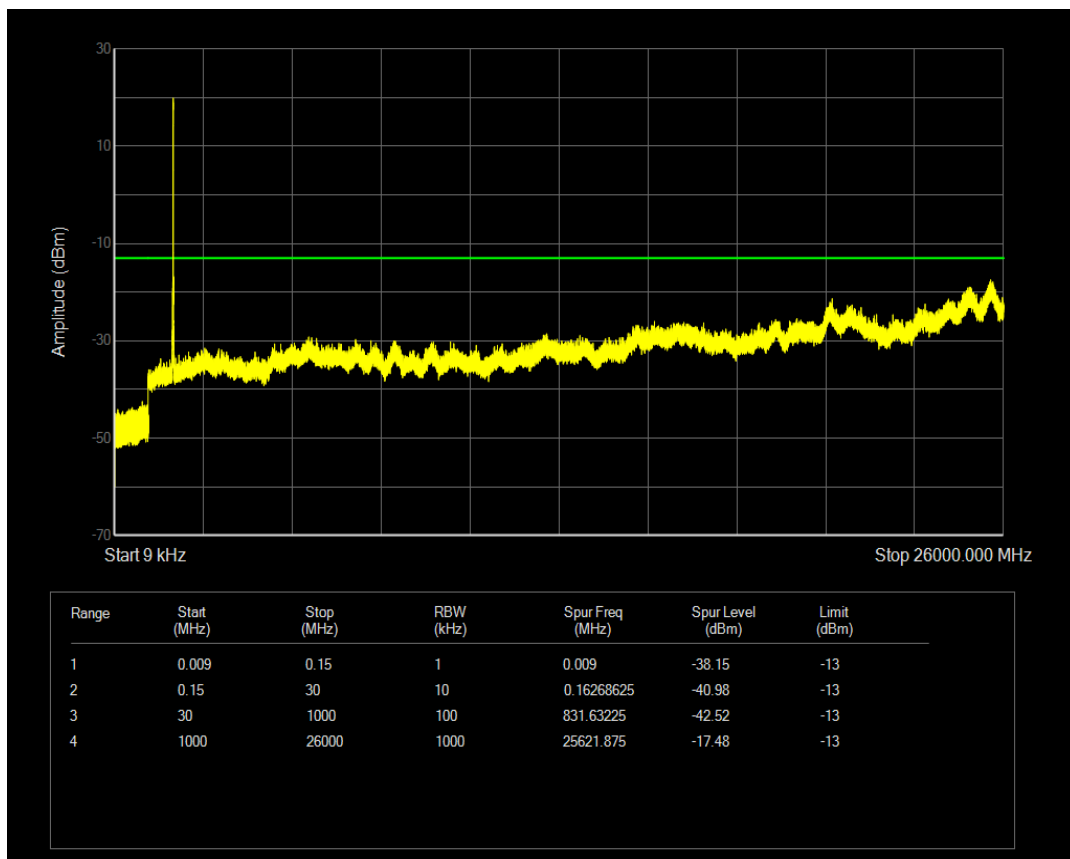


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

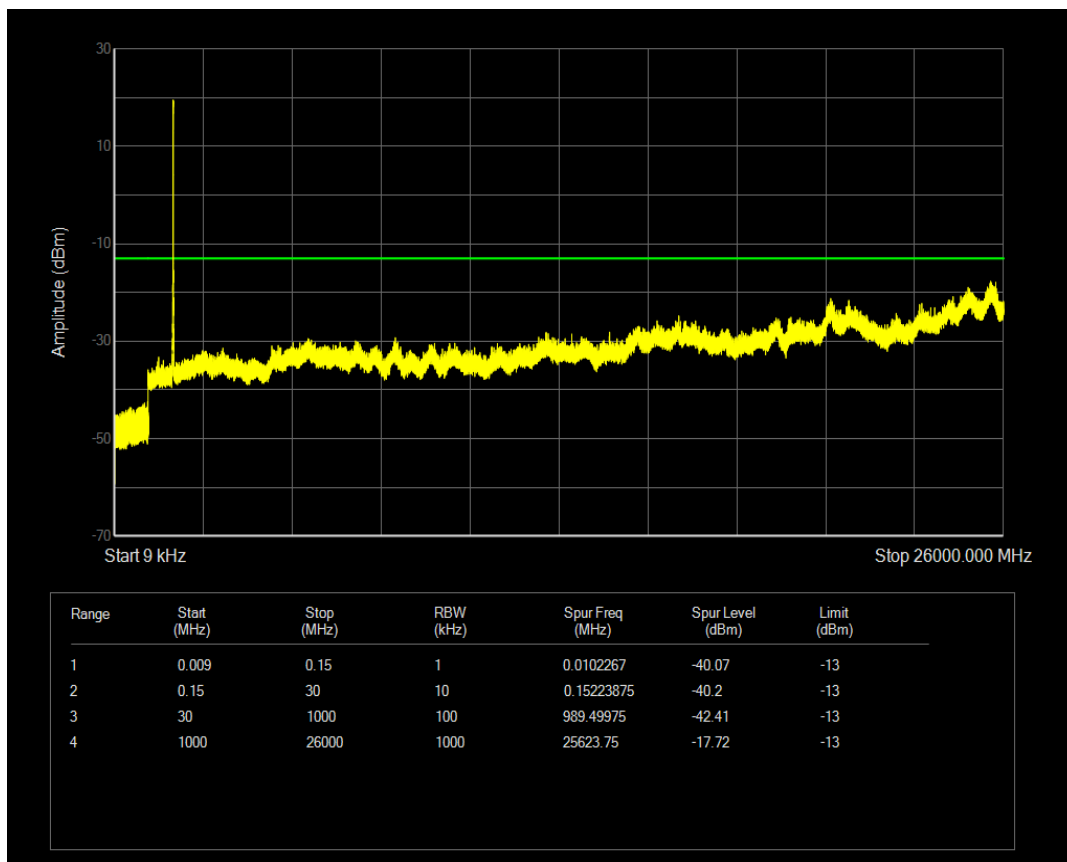




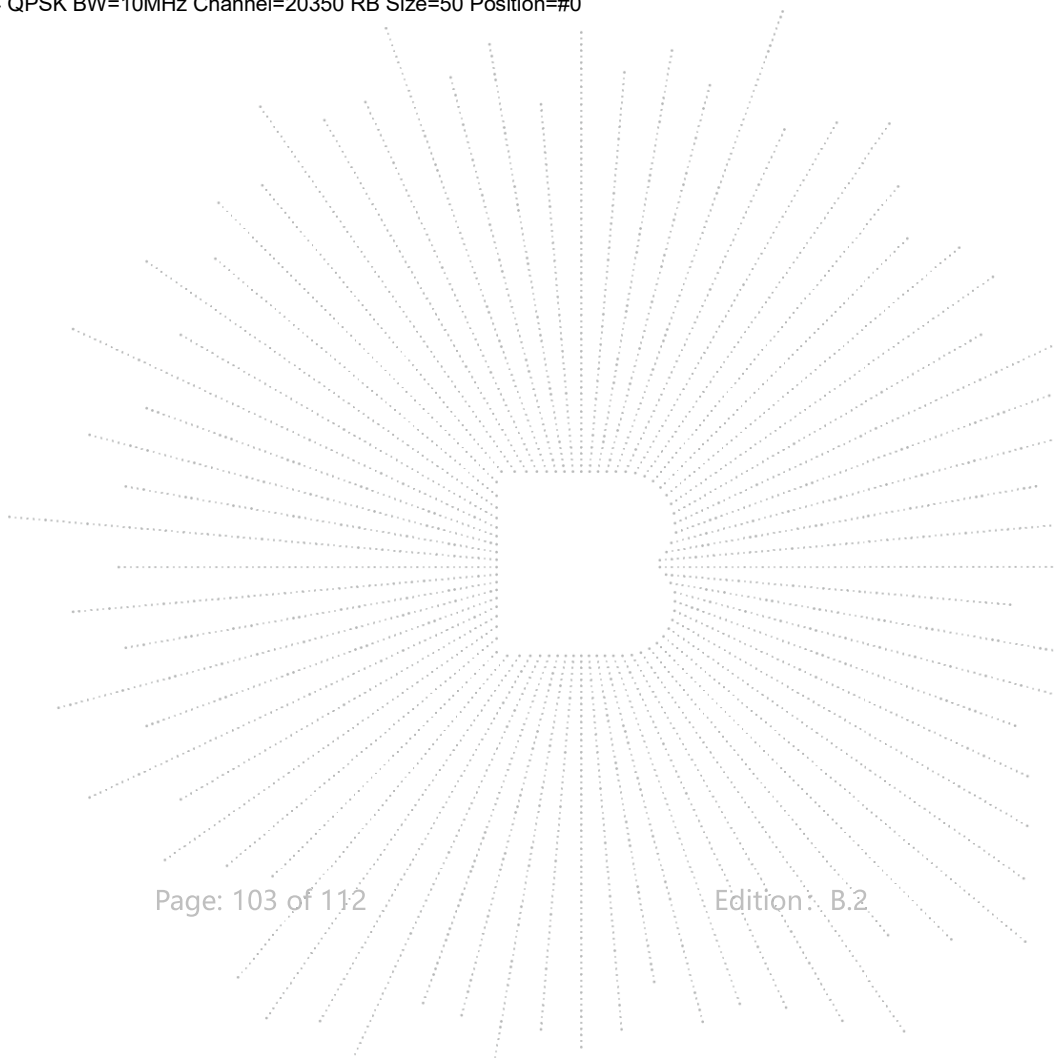
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

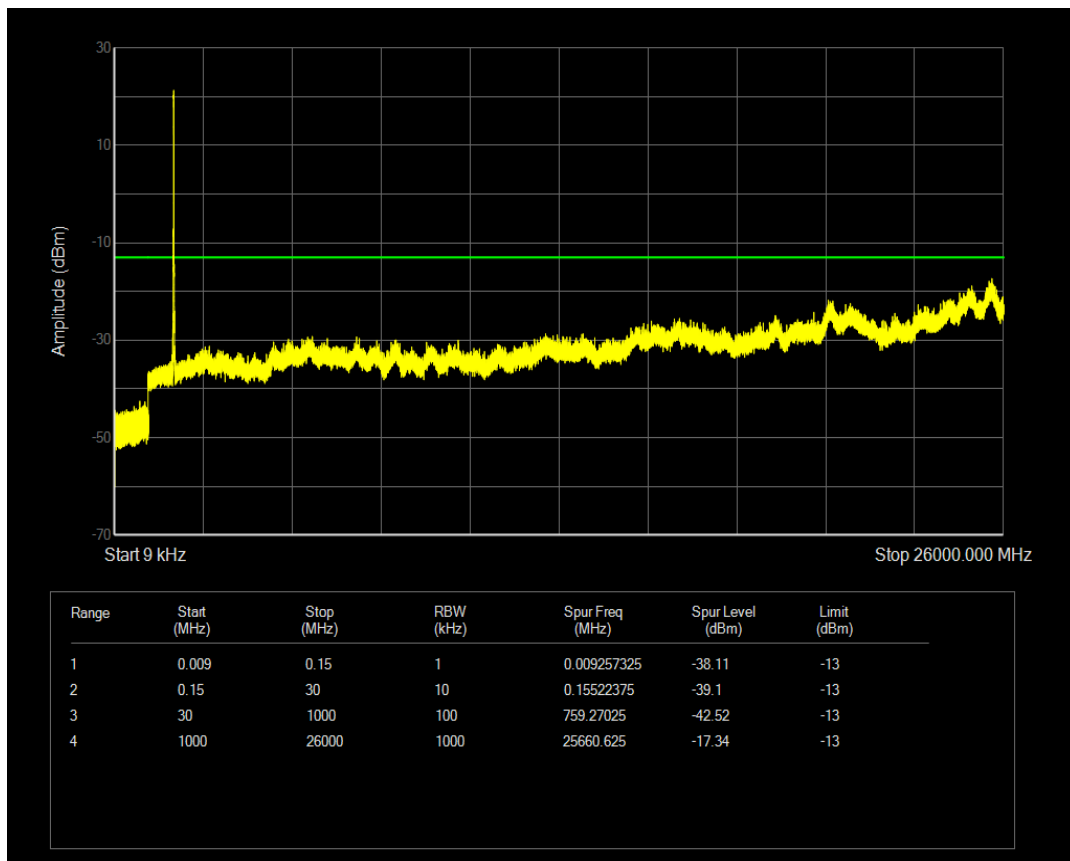


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

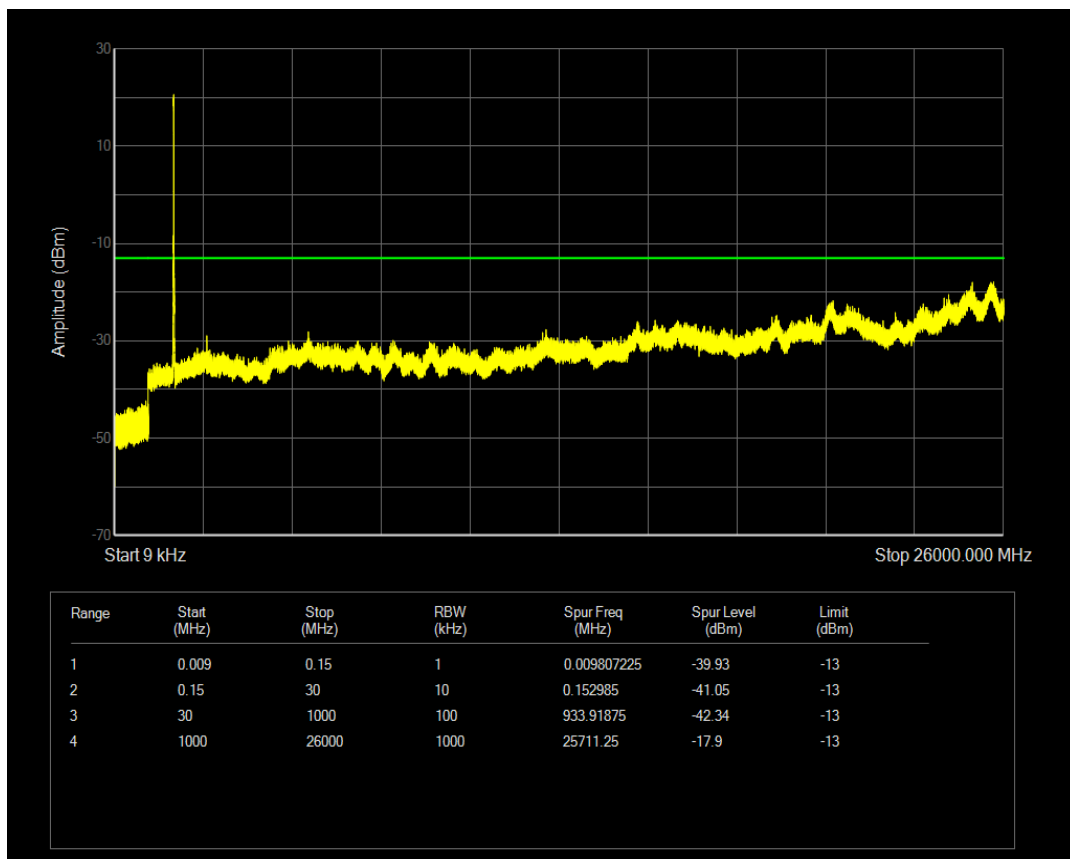


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

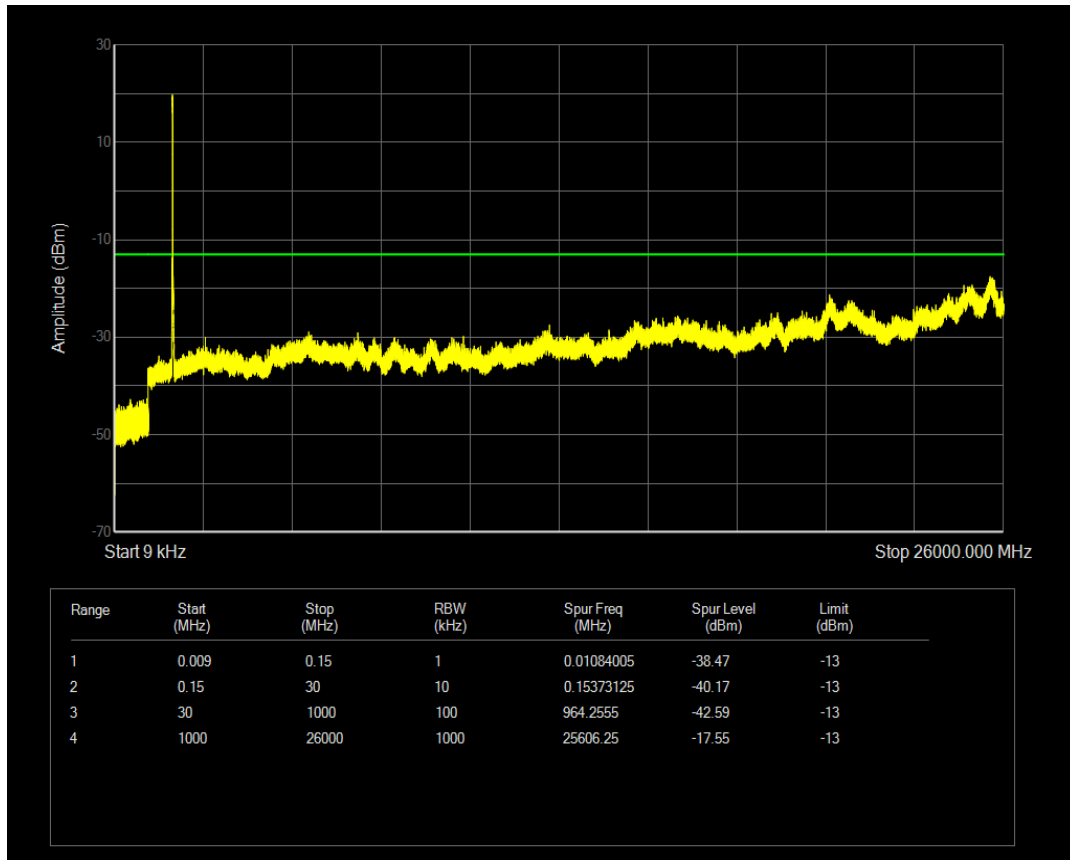




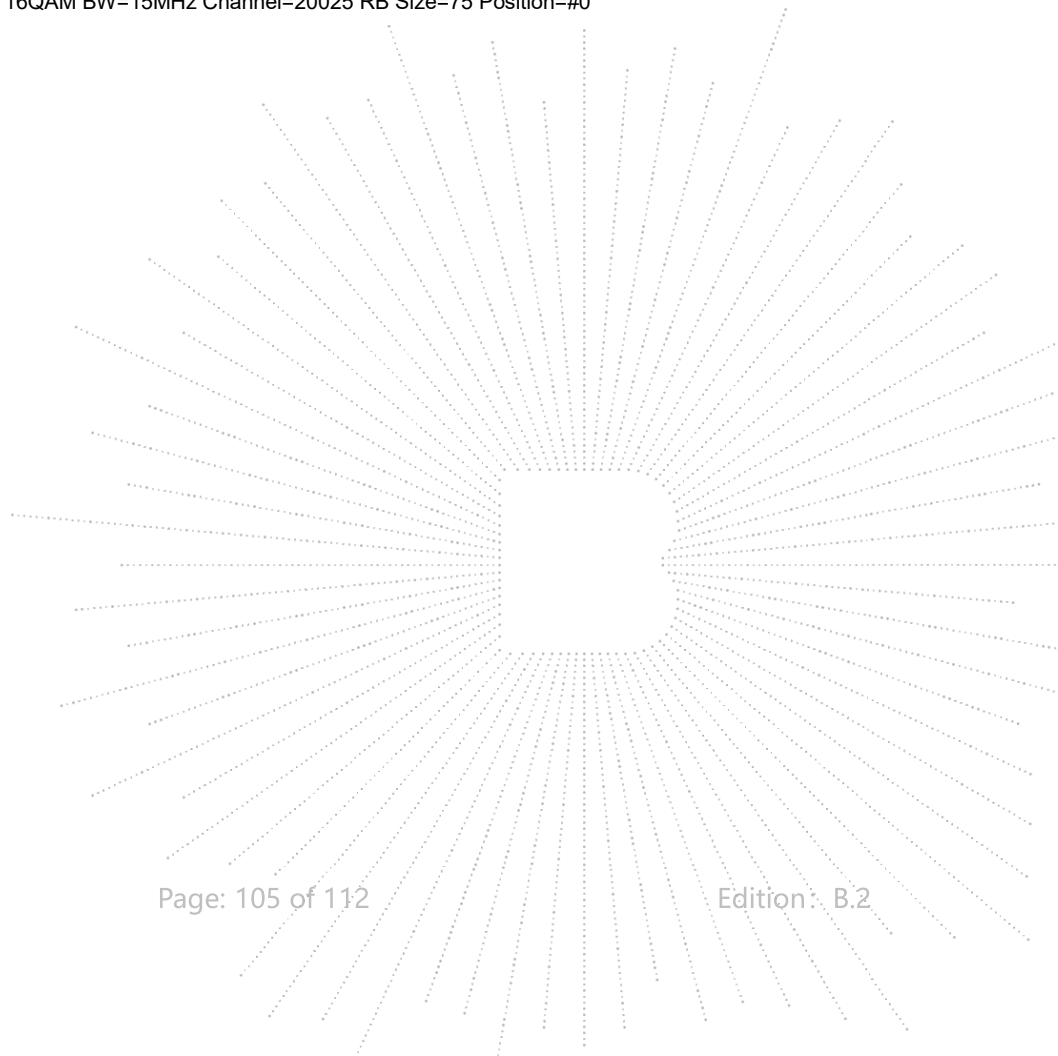
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

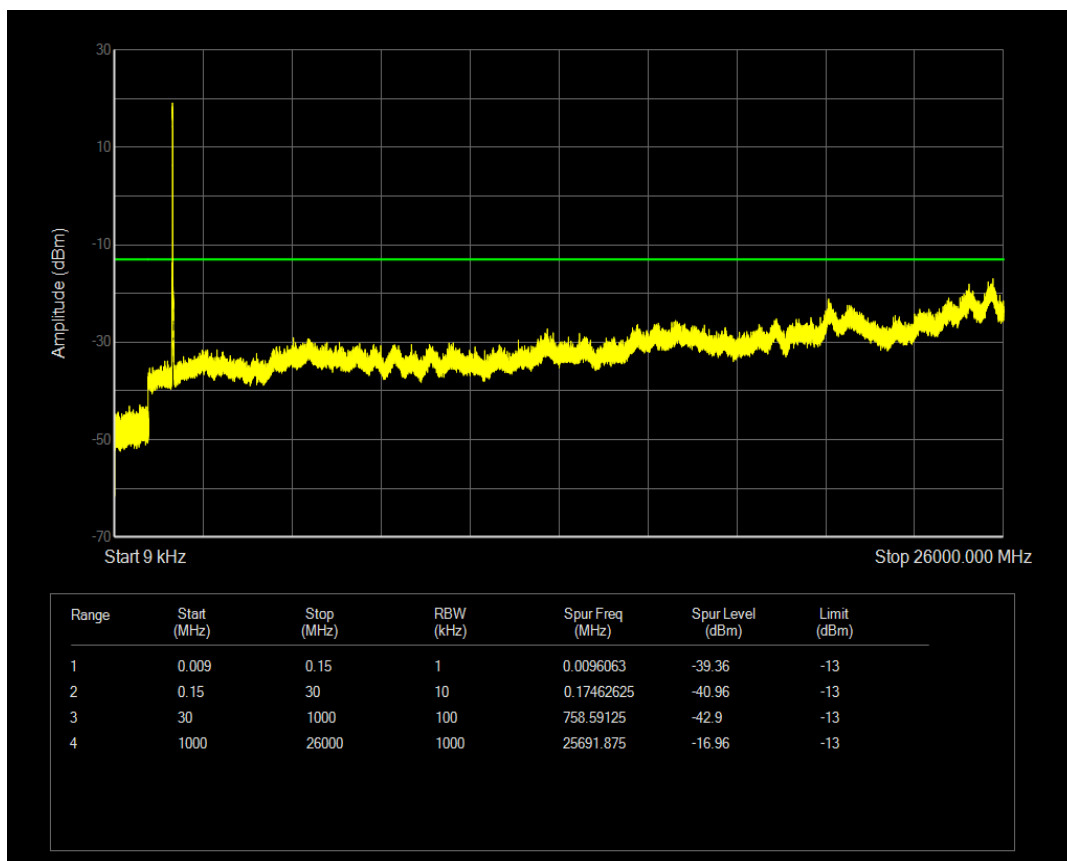


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

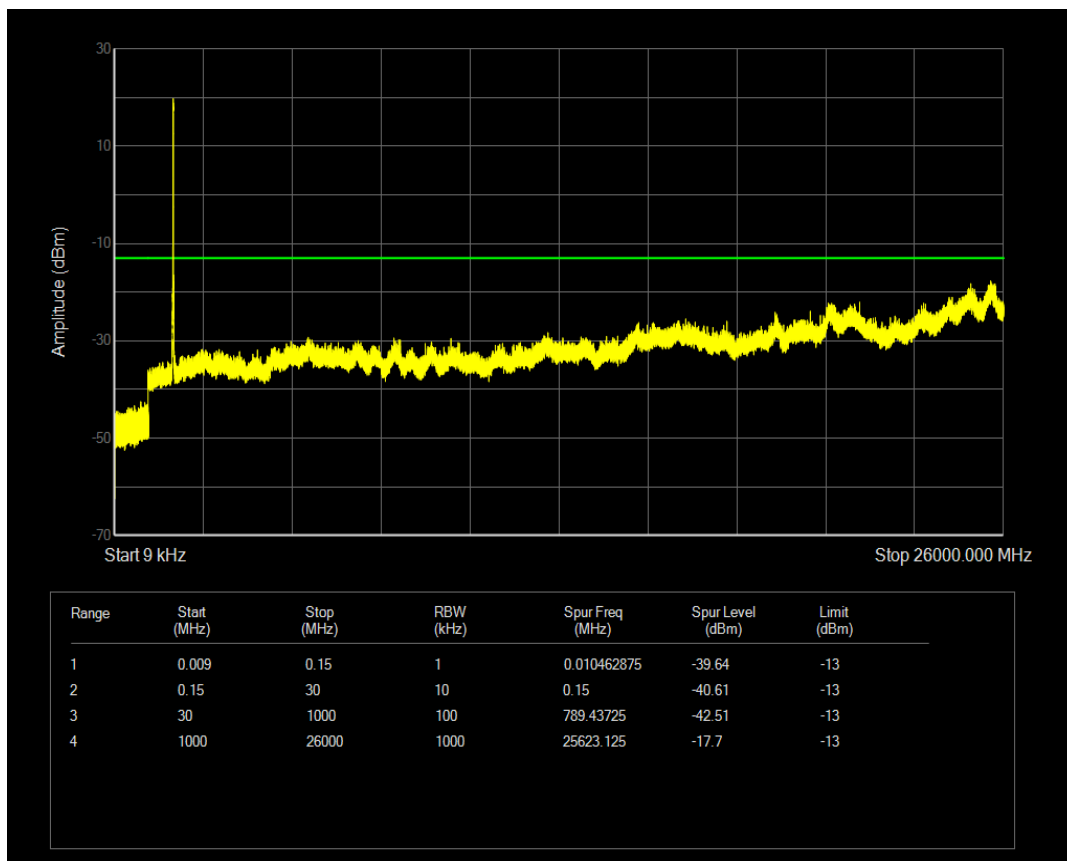


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

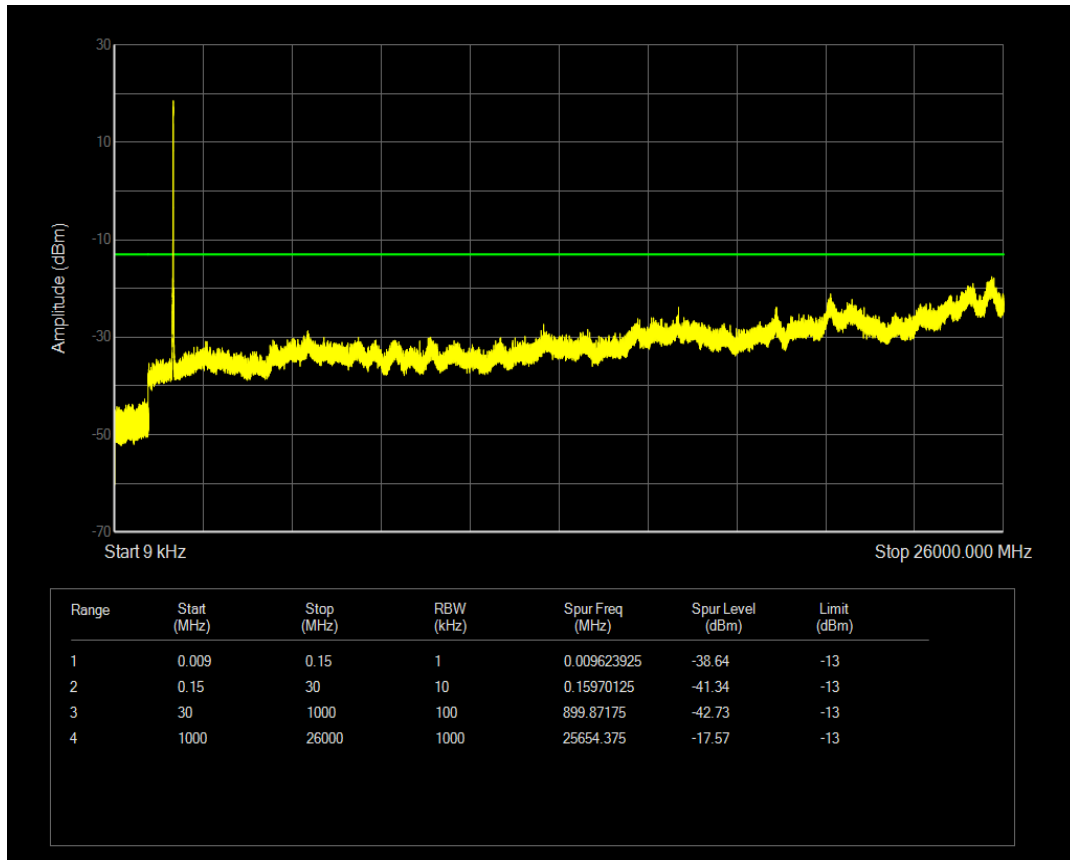




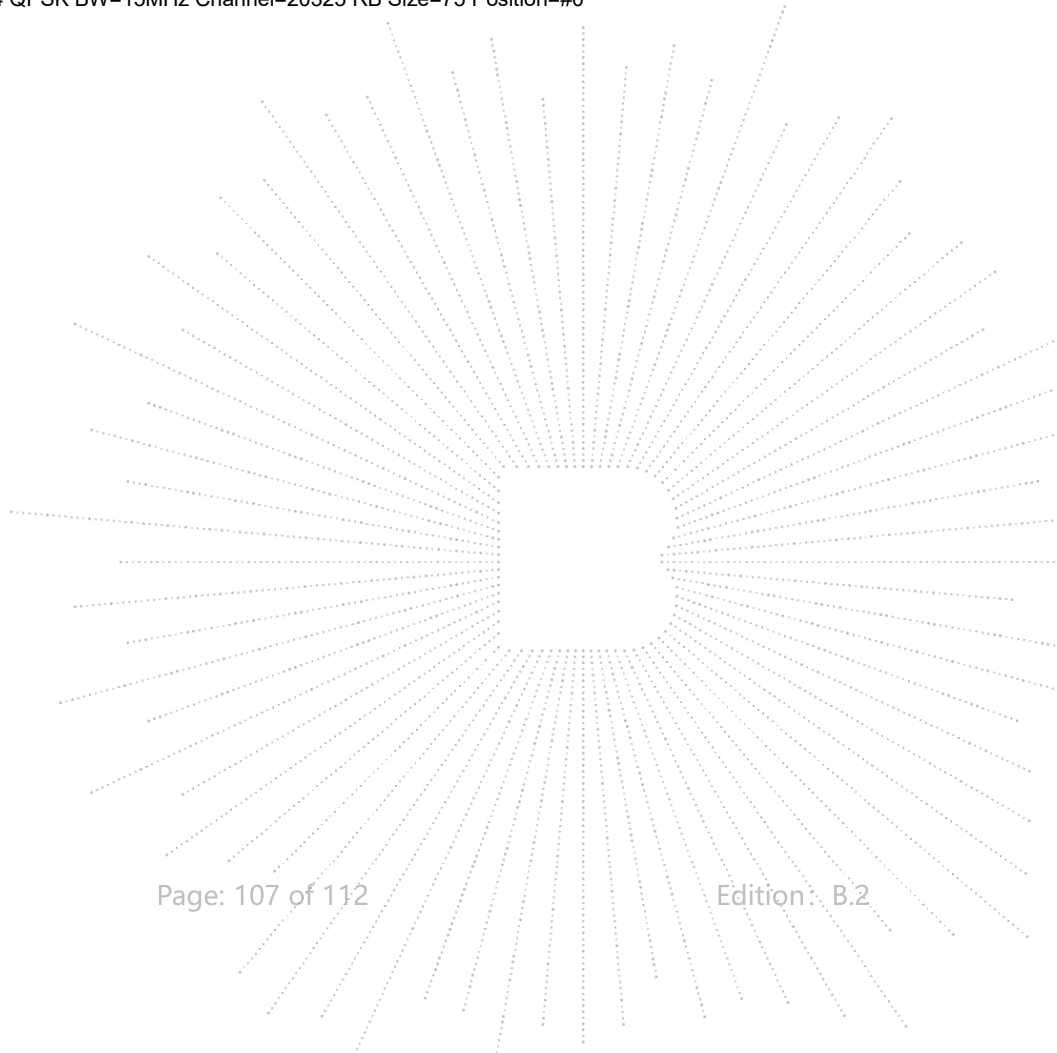
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

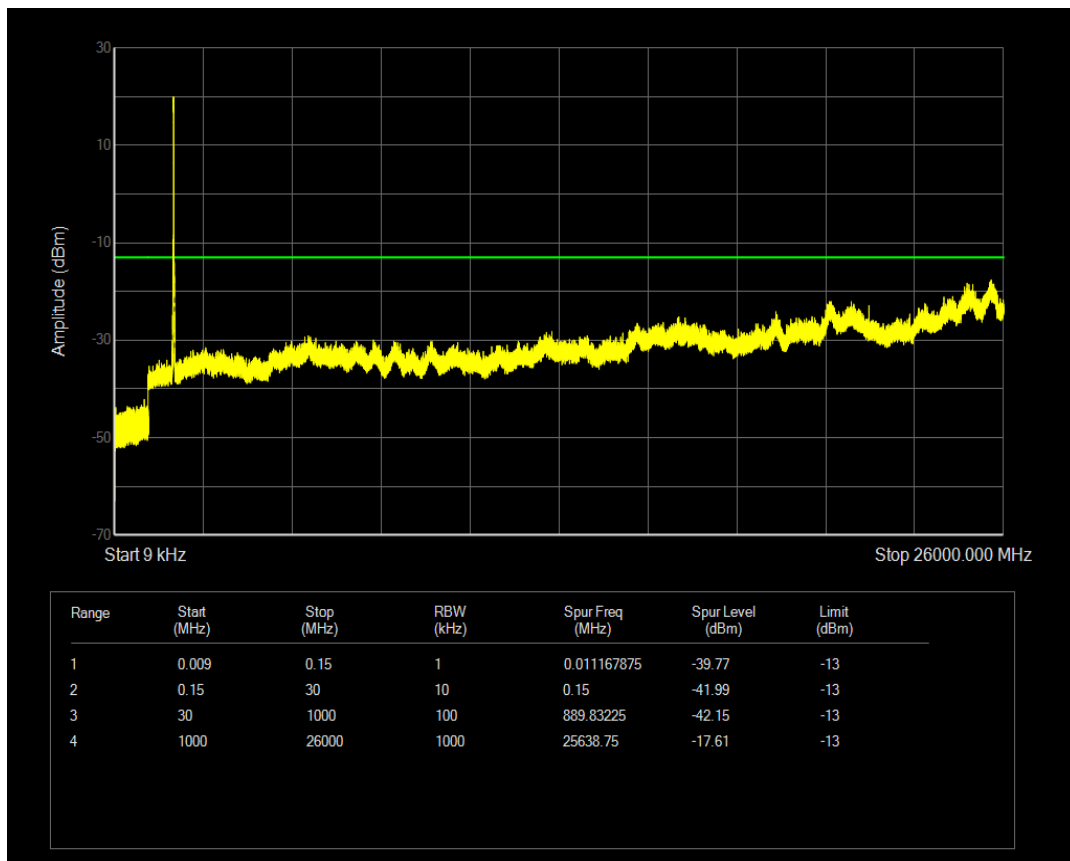


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

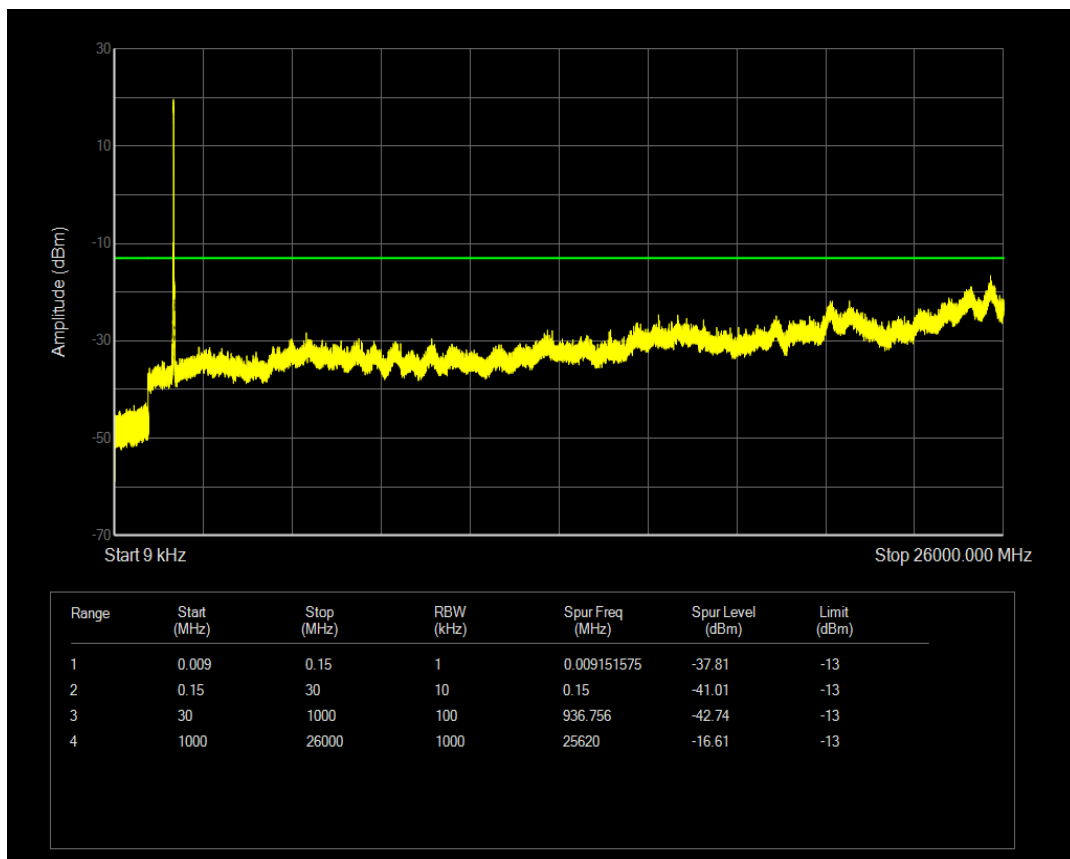


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

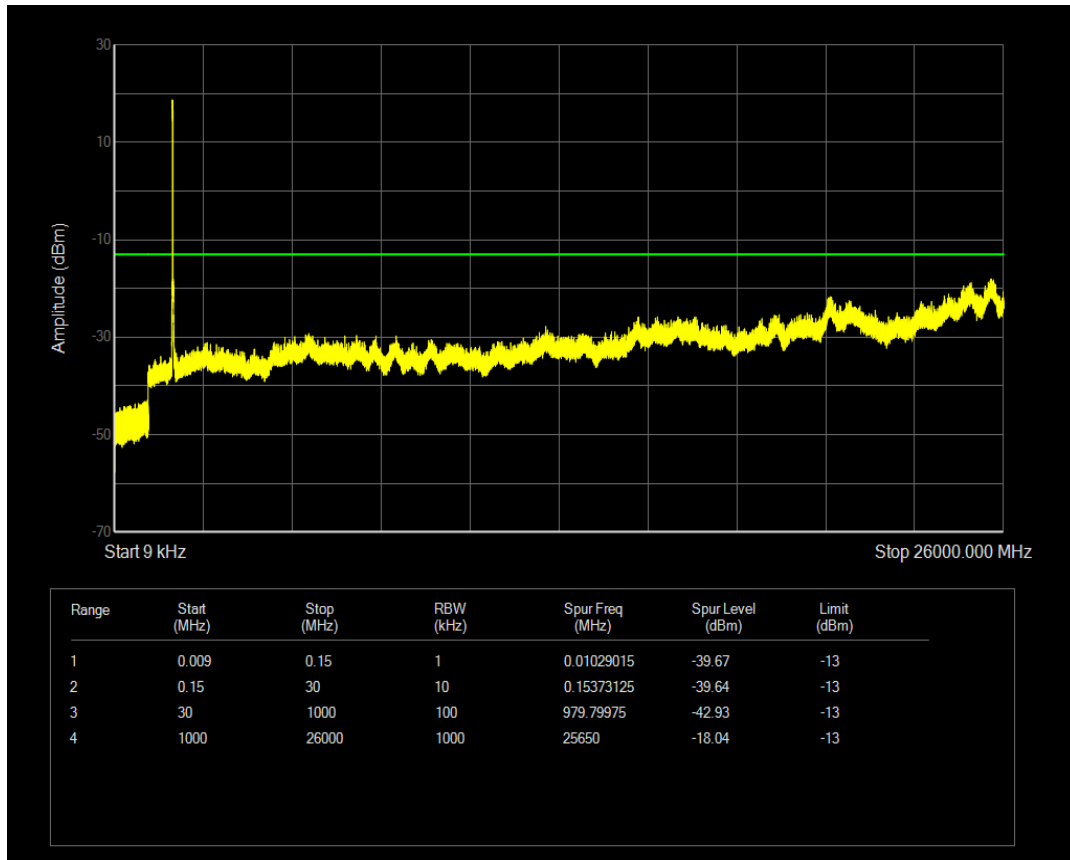




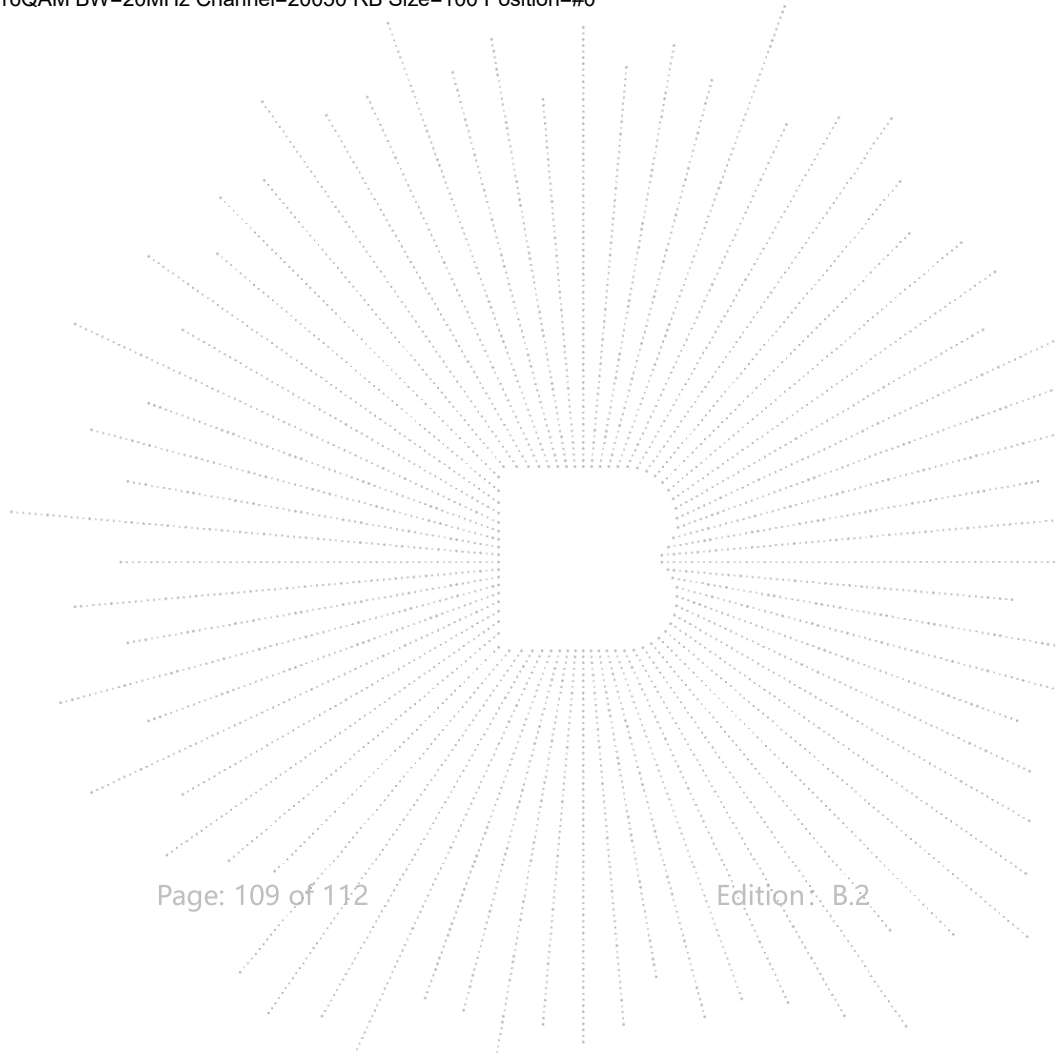
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

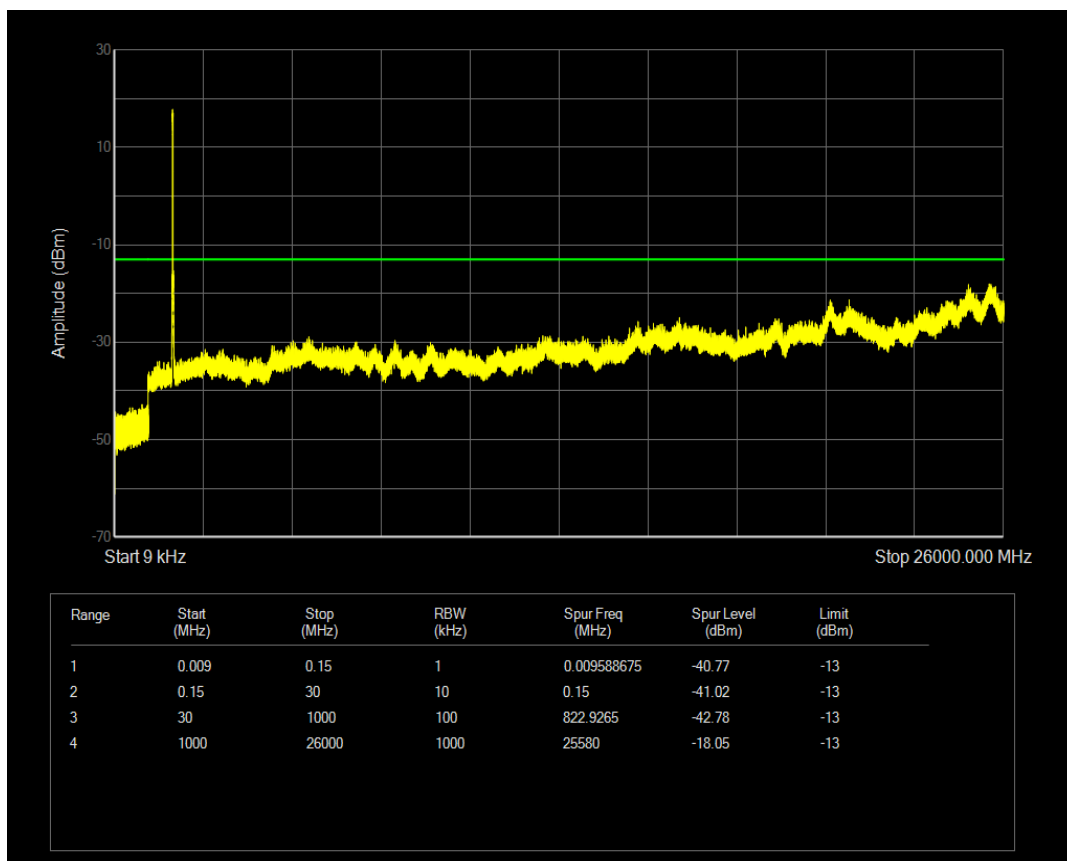


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

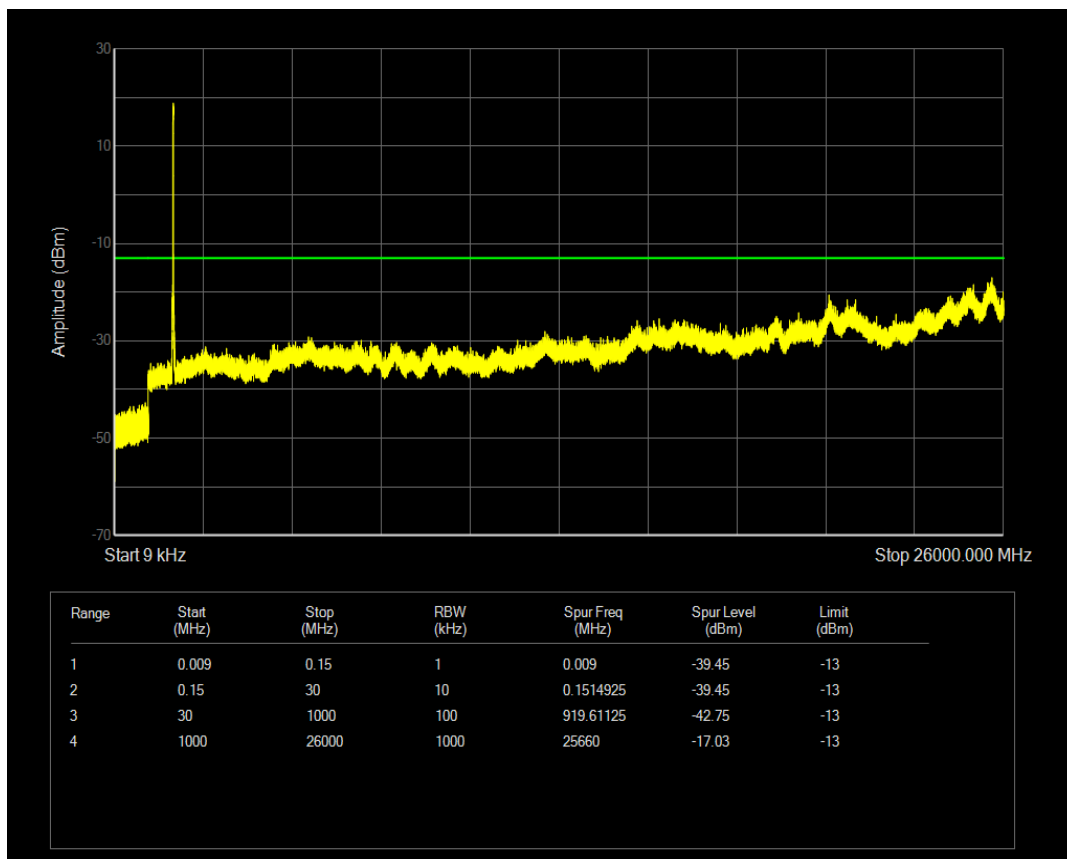


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

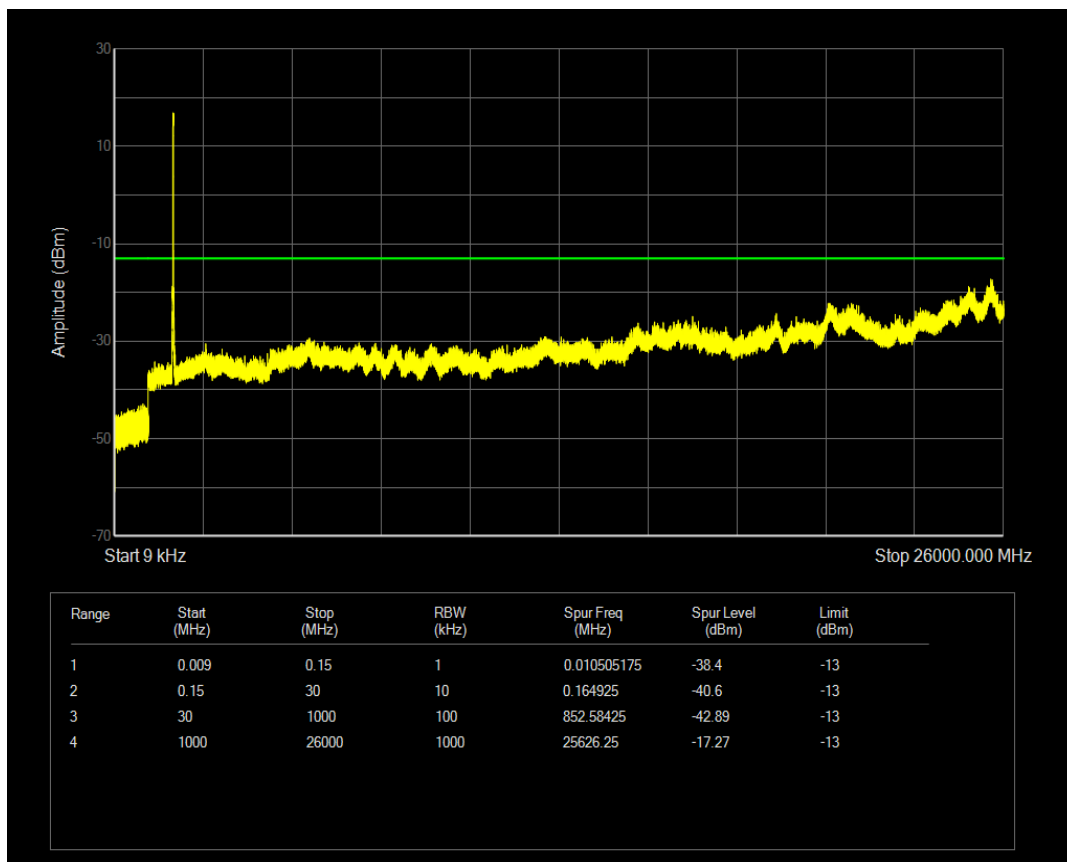




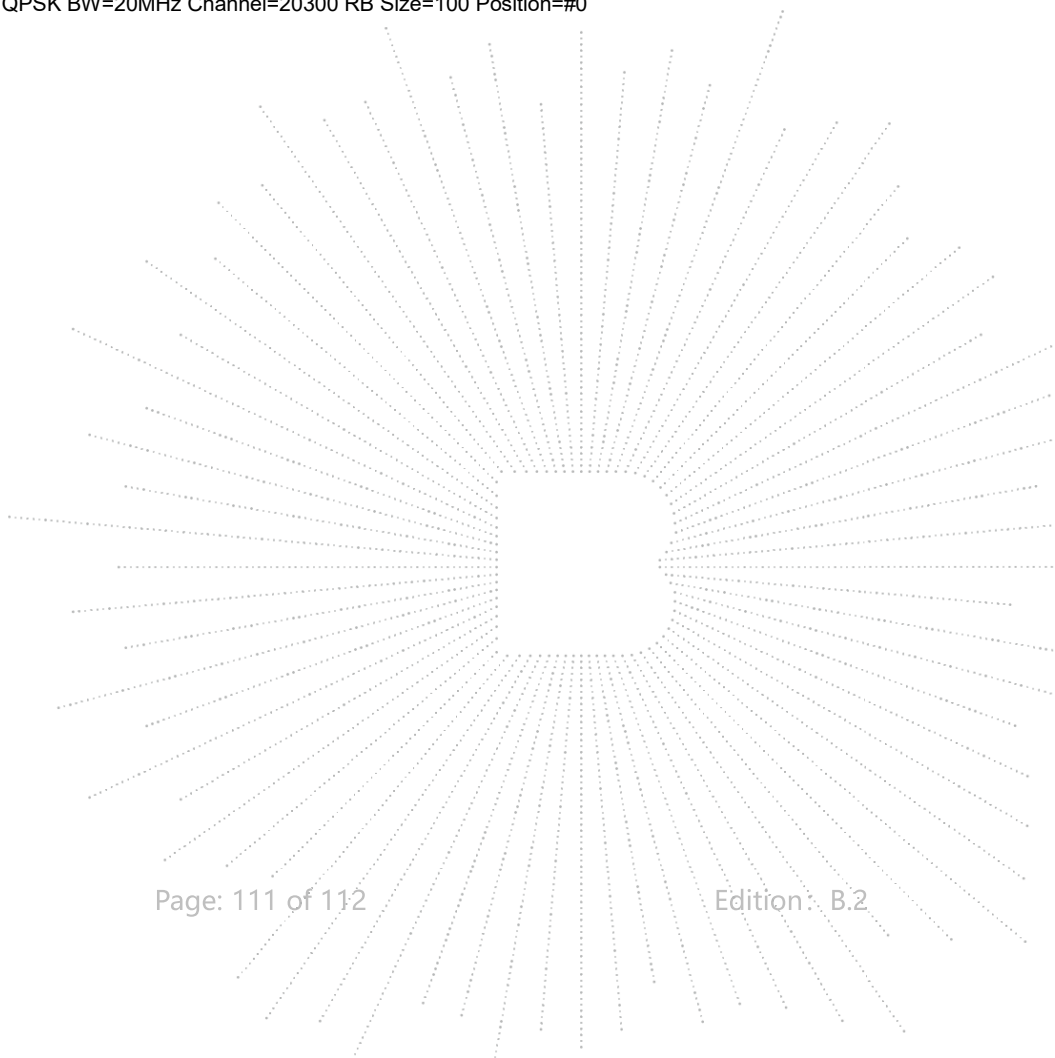
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

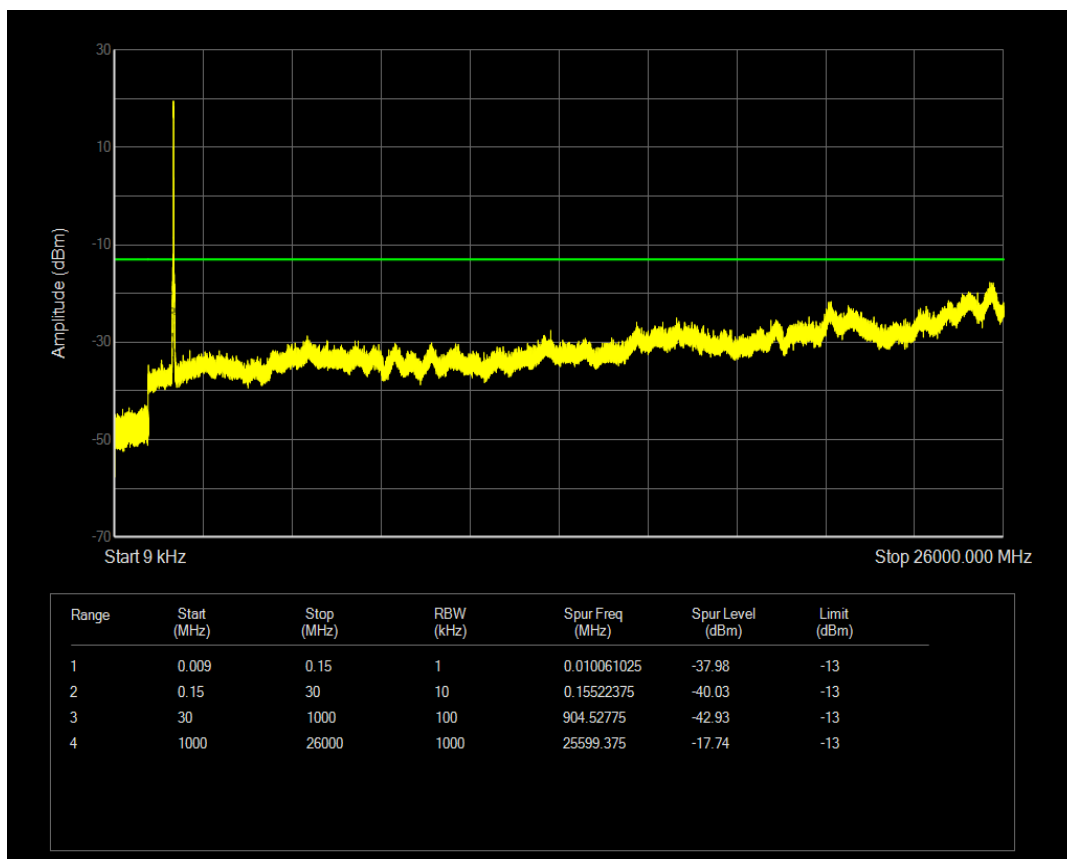


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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





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

