

Appendix for Band 4

Report No.: BCTC2411327947-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD

Product Name: Smart Phone

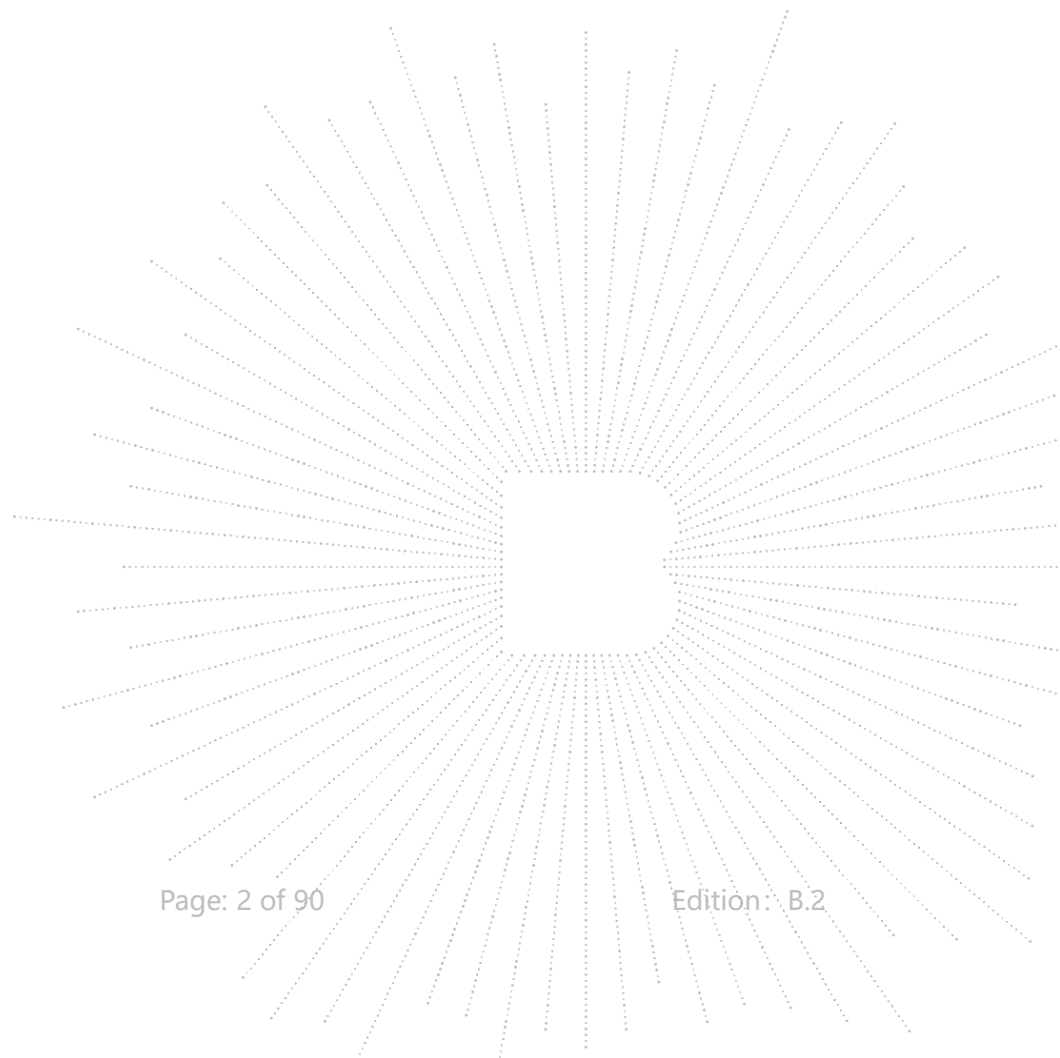
Test Model: C59

Tested Date: 2024-11-22 to 2025-02-25

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	24.23	1.24	25.47	PASS
Band4	1.4	19957	1	#Mid	QPSK	24.19	1.24	25.43	PASS
Band4	1.4	19957	1	#Max	QPSK	24.23	1.24	25.47	PASS
Band4	1.4	19957	3	#0	QPSK	24.07	1.24	25.31	PASS
Band4	1.4	19957	3	#Mid	QPSK	24.09	1.24	25.33	PASS
Band4	1.4	19957	3	#Max	QPSK	24.11	1.24	25.35	PASS
Band4	1.4	19957	6	#0	QPSK	23.14	1.24	24.38	PASS
Band4	1.4	19957	1	#0	16QAM	24.07	1.24	25.31	PASS
Band4	1.4	19957	1	#Mid	16QAM	23.97	1.24	25.21	PASS
Band4	1.4	19957	1	#Max	16QAM	24.02	1.24	25.26	PASS
Band4	1.4	19957	3	#0	16QAM	23.31	1.24	24.55	PASS
Band4	1.4	19957	3	#Mid	16QAM	23.29	1.24	24.53	PASS
Band4	1.4	19957	3	#Max	16QAM	23.35	1.24	24.59	PASS
Band4	1.4	19957	6	#0	16QAM	22.32	1.24	23.56	PASS
Band4	1.4	20175	1	#0	QPSK	24.25	1.24	25.49	PASS
Band4	1.4	20175	1	#Mid	QPSK	24.22	1.24	25.46	PASS
Band4	1.4	20175	1	#Max	QPSK	24.19	1.24	25.43	PASS
Band4	1.4	20175	3	#0	QPSK	24.20	1.24	25.44	PASS
Band4	1.4	20175	3	#Mid	QPSK	24.15	1.24	25.39	PASS
Band4	1.4	20175	3	#Max	QPSK	24.09	1.24	25.33	PASS
Band4	1.4	20175	6	#0	QPSK	23.14	1.24	24.38	PASS
Band4	1.4	20175	1	#0	16QAM	23.24	1.24	24.48	PASS
Band4	1.4	20175	1	#Mid	16QAM	23.19	1.24	24.43	PASS
Band4	1.4	20175	1	#Max	16QAM	23.18	1.24	24.42	PASS
Band4	1.4	20175	3	#0	16QAM	23.11	1.24	24.35	PASS
Band4	1.4	20175	3	#Mid	16QAM	23.12	1.24	24.36	PASS
Band4	1.4	20175	3	#Max	16QAM	23.14	1.24	24.38	PASS
Band4	1.4	20175	6	#0	16QAM	22.34	1.24	23.58	PASS
Band4	1.4	20393	1	#0	QPSK	24.08	1.24	25.32	PASS
Band4	1.4	20393	1	#Mid	QPSK	24.06	1.24	25.30	PASS
Band4	1.4	20393	1	#Max	QPSK	24.11	1.24	25.35	PASS
Band4	1.4	20393	3	#0	QPSK	23.88	1.24	25.12	PASS
Band4	1.4	20393	3	#Mid	QPSK	23.94	1.24	25.18	PASS
Band4	1.4	20393	3	#Max	QPSK	23.86	1.24	25.10	PASS
Band4	1.4	20393	6	#0	QPSK	22.87	1.24	24.11	PASS
Band4	1.4	20393	1	#0	16QAM	22.53	1.24	23.77	PASS

Band4	1.4	20393	1	#Mid	16QAM	22.49	1.24	23.73	PASS
Band4	1.4	20393	1	#Max	16QAM	22.55	1.24	23.79	PASS
Band4	1.4	20393	3	#0	16QAM	22.82	1.24	24.06	PASS
Band4	1.4	20393	3	#Mid	16QAM	22.85	1.24	24.09	PASS
Band4	1.4	20393	3	#Max	16QAM	22.80	1.24	24.04	PASS
Band4	1.4	20393	6	#0	16QAM	21.98	1.24	23.22	PASS
Band4	3	19965	1	#0	QPSK	24.01	1.24	25.25	PASS
Band4	3	19965	1	#Mid	QPSK	23.99	1.24	25.23	PASS
Band4	3	19965	1	#Max	QPSK	24.00	1.24	25.24	PASS
Band4	3	19965	8	#0	QPSK	23.08	1.24	24.32	PASS
Band4	3	19965	8	#Mid	QPSK	23.15	1.24	24.39	PASS
Band4	3	19965	8	#Max	QPSK	22.97	1.24	24.21	PASS
Band4	3	19965	15	#0	QPSK	23.10	1.24	24.34	PASS
Band4	3	19965	1	#0	16QAM	24.13	1.24	25.37	PASS
Band4	3	19965	1	#Mid	16QAM	24.15	1.24	25.39	PASS
Band4	3	19965	1	#Max	16QAM	24.14	1.24	25.38	PASS
Band4	3	19965	8	#0	16QAM	21.98	1.24	23.22	PASS
Band4	3	19965	8	#Mid	16QAM	22.05	1.24	23.29	PASS
Band4	3	19965	8	#Max	16QAM	21.97	1.24	23.21	PASS
Band4	3	19965	15	#0	16QAM	22.24	1.24	23.48	PASS
Band4	3	20175	1	#0	QPSK	24.26	1.24	25.50	PASS
Band4	3	20175	1	#Mid	QPSK	24.20	1.24	25.44	PASS
Band4	3	20175	1	#Max	QPSK	24.22	1.24	25.46	PASS
Band4	3	20175	8	#0	QPSK	23.18	1.24	24.42	PASS
Band4	3	20175	8	#Mid	QPSK	23.11	1.24	24.35	PASS
Band4	3	20175	8	#Max	QPSK	23.08	1.24	24.32	PASS
Band4	3	20175	15	#0	QPSK	23.21	1.24	24.45	PASS
Band4	3	20175	1	#0	16QAM	23.22	1.24	24.46	PASS
Band4	3	20175	1	#Mid	16QAM	23.20	1.24	24.44	PASS
Band4	3	20175	1	#Max	16QAM	23.19	1.24	24.43	PASS
Band4	3	20175	8	#0	16QAM	22.31	1.24	23.55	PASS
Band4	3	20175	8	#Mid	16QAM	22.26	1.24	23.50	PASS
Band4	3	20175	8	#Max	16QAM	22.23	1.24	23.47	PASS
Band4	3	20175	15	#0	16QAM	22.20	1.24	23.44	PASS
Band4	3	20385	1	#0	QPSK	24.06	1.24	25.30	PASS
Band4	3	20385	1	#Mid	QPSK	24.03	1.24	25.27	PASS
Band4	3	20385	1	#Max	QPSK	24.08	1.24	25.32	PASS
Band4	3	20385	8	#0	QPSK	22.88	1.24	24.12	PASS
Band4	3	20385	8	#Mid	QPSK	22.91	1.24	24.15	PASS
Band4	3	20385	8	#Max	QPSK	22.84	1.24	24.08	PASS
Band4	3	20385	15	#0	QPSK	22.88	1.24	24.12	PASS
Band4	3	20385	1	#0	16QAM	22.56	1.24	23.80	PASS
Band4	3	20385	1	#Mid	16QAM	22.48	1.24	23.72	PASS

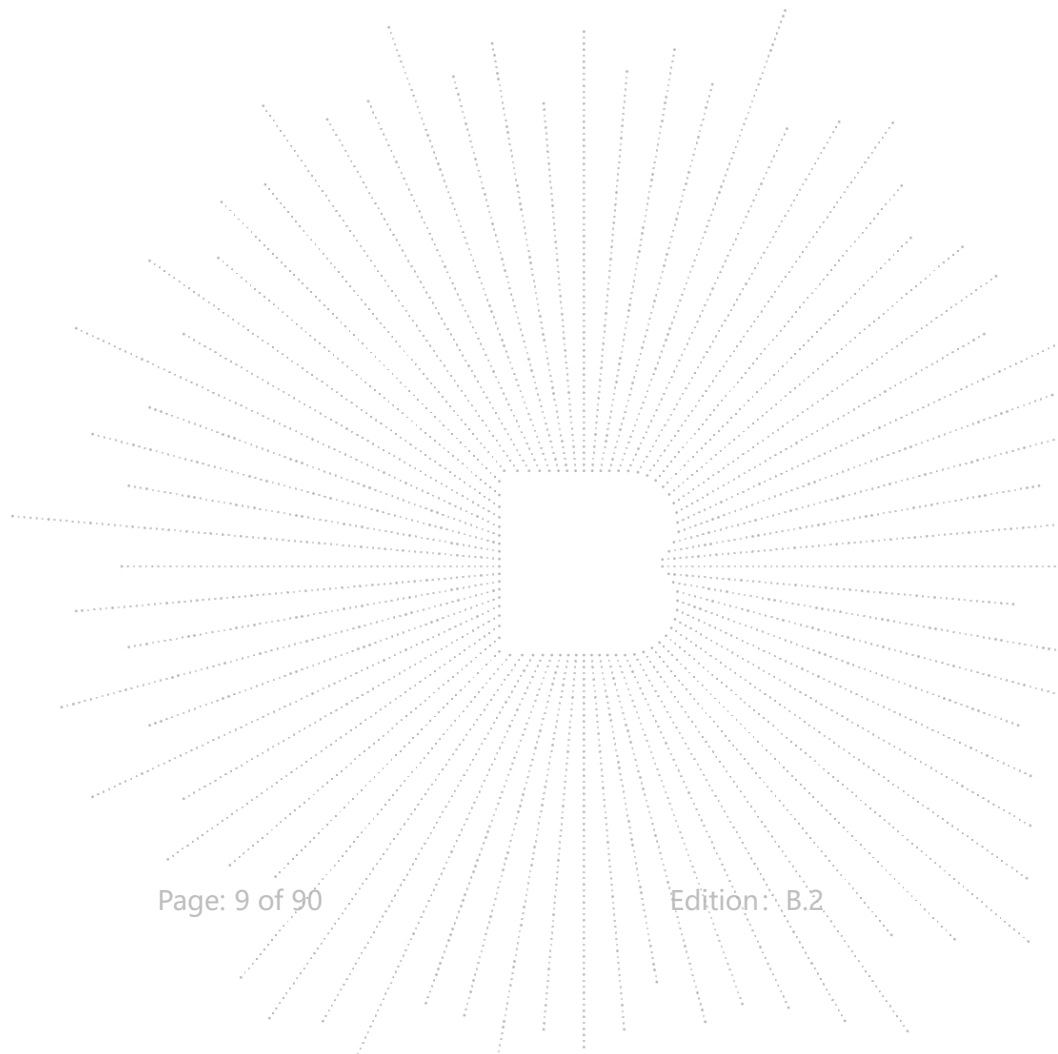
Band4	3	20385	1	#Max	16QAM	22.52	1.24	23.76	PASS
Band4	3	20385	8	#0	16QAM	22.03	1.24	23.27	PASS
Band4	3	20385	8	#Mid	16QAM	22.06	1.24	23.30	PASS
Band4	3	20385	8	#Max	16QAM	22.00	1.24	23.24	PASS
Band4	3	20385	15	#0	16QAM	21.86	1.24	23.10	PASS
Band4	5	19975	1	#0	QPSK	24.03	1.24	25.27	PASS
Band4	5	19975	1	#Mid	QPSK	24.04	1.24	25.28	PASS
Band4	5	19975	1	#Max	QPSK	24.00	1.24	25.24	PASS
Band4	5	19975	12	#0	QPSK	23.10	1.24	24.34	PASS
Band4	5	19975	12	#Mid	QPSK	23.01	1.24	24.25	PASS
Band4	5	19975	12	#Max	QPSK	23.08	1.24	24.32	PASS
Band4	5	19975	25	#0	QPSK	23.05	1.24	24.29	PASS
Band4	5	19975	1	#0	16QAM	23.17	1.24	24.41	PASS
Band4	5	19975	1	#Mid	16QAM	23.14	1.24	24.38	PASS
Band4	5	19975	1	#Max	16QAM	23.20	1.24	24.44	PASS
Band4	5	19975	12	#0	16QAM	22.06	1.24	23.30	PASS
Band4	5	19975	12	#Mid	16QAM	22.04	1.24	23.28	PASS
Band4	5	19975	12	#Max	16QAM	22.03	1.24	23.27	PASS
Band4	5	19975	25	#0	16QAM	22.23	1.24	23.47	PASS
Band4	5	20175	1	#0	QPSK	24.33	1.24	25.57	PASS
Band4	5	20175	1	#Mid	QPSK	24.26	1.24	25.50	PASS
Band4	5	20175	1	#Max	QPSK	24.26	1.24	25.50	PASS
Band4	5	20175	12	#0	QPSK	23.17	1.24	24.41	PASS
Band4	5	20175	12	#Mid	QPSK	23.10	1.24	24.34	PASS
Band4	5	20175	12	#Max	QPSK	23.20	1.24	24.44	PASS
Band4	5	20175	25	#0	QPSK	23.10	1.24	24.34	PASS
Band4	5	20175	1	#0	16QAM	23.25	1.24	24.49	PASS
Band4	5	20175	1	#Mid	16QAM	23.19	1.24	24.43	PASS
Band4	5	20175	1	#Max	16QAM	23.26	1.24	24.50	PASS
Band4	5	20175	12	#0	16QAM	22.03	1.24	23.27	PASS
Band4	5	20175	12	#Mid	16QAM	22.00	1.24	23.24	PASS
Band4	5	20175	12	#Max	16QAM	21.96	1.24	23.20	PASS
Band4	5	20175	25	#0	16QAM	22.18	1.24	23.42	PASS
Band4	5	20375	1	#0	QPSK	23.70	1.24	24.94	PASS
Band4	5	20375	1	#Mid	QPSK	23.69	1.24	24.93	PASS
Band4	5	20375	1	#Max	QPSK	23.79	1.24	25.03	PASS
Band4	5	20375	12	#0	QPSK	22.87	1.24	24.11	PASS
Band4	5	20375	12	#Mid	QPSK	22.91	1.24	24.15	PASS
Band4	5	20375	12	#Max	QPSK	22.94	1.24	24.18	PASS
Band4	5	20375	25	#0	QPSK	23.01	1.24	24.25	PASS
Band4	5	20375	1	#0	16QAM	23.36	1.24	24.60	PASS
Band4	5	20375	1	#Mid	16QAM	23.39	1.24	24.63	PASS
Band4	5	20375	1	#Max	16QAM	23.48	1.24	24.72	PASS

Band4	5	20375	12	#0	16QAM	21.86	1.24	23.10	PASS
Band4	5	20375	12	#Mid	16QAM	21.82	1.24	23.06	PASS
Band4	5	20375	12	#Max	16QAM	21.85	1.24	23.09	PASS
Band4	5	20375	25	#0	16QAM	22.07	1.24	23.31	PASS
Band4	10	20000	1	#0	QPSK	24.10	1.24	25.34	PASS
Band4	10	20000	1	#Mid	QPSK	24.07	1.24	25.31	PASS
Band4	10	20000	1	#Max	QPSK	24.11	1.24	25.35	PASS
Band4	10	20000	25	#0	QPSK	23.15	1.24	24.39	PASS
Band4	10	20000	25	#Mid	QPSK	23.08	1.24	24.32	PASS
Band4	10	20000	25	#Max	QPSK	23.12	1.24	24.36	PASS
Band4	10	20000	50	#0	QPSK	23.07	1.24	24.31	PASS
Band4	10	20000	1	#0	16QAM	24.24	1.24	25.48	PASS
Band4	10	20000	1	#Mid	16QAM	24.24	1.24	25.48	PASS
Band4	10	20000	1	#Max	16QAM	24.26	1.24	25.50	PASS
Band4	10	20000	25	#0	16QAM	22.01	1.24	23.25	PASS
Band4	10	20000	25	#Mid	16QAM	22.00	1.24	23.24	PASS
Band4	10	20000	25	#Max	16QAM	22.00	1.24	23.24	PASS
Band4	10	20000	50	#0	16QAM	22.06	1.24	23.30	PASS
Band4	10	20175	1	#0	QPSK	24.13	1.24	25.37	PASS
Band4	10	20175	1	#Mid	QPSK	24.07	1.24	25.31	PASS
Band4	10	20175	1	#Max	QPSK	24.08	1.24	25.32	PASS
Band4	10	20175	25	#0	QPSK	23.18	1.24	24.42	PASS
Band4	10	20175	25	#Mid	QPSK	23.14	1.24	24.38	PASS
Band4	10	20175	25	#Max	QPSK	23.18	1.24	24.42	PASS
Band4	10	20175	50	#0	QPSK	23.13	1.24	24.37	PASS
Band4	10	20175	1	#0	16QAM	23.95	1.24	25.19	PASS
Band4	10	20175	1	#Mid	16QAM	23.81	1.24	25.05	PASS
Band4	10	20175	1	#Max	16QAM	23.71	1.24	24.95	PASS
Band4	10	20175	25	#0	16QAM	22.19	1.24	23.43	PASS
Band4	10	20175	25	#Mid	16QAM	22.19	1.24	23.43	PASS
Band4	10	20175	25	#Max	16QAM	22.20	1.24	23.44	PASS
Band4	10	20175	50	#0	16QAM	22.20	1.24	23.44	PASS
Band4	10	20350	1	#0	QPSK	23.94	1.24	25.18	PASS
Band4	10	20350	1	#Mid	QPSK	23.87	1.24	25.11	PASS
Band4	10	20350	1	#Max	QPSK	23.93	1.24	25.17	PASS
Band4	10	20350	25	#0	QPSK	22.95	1.24	24.19	PASS
Band4	10	20350	25	#Mid	QPSK	22.75	1.24	23.99	PASS
Band4	10	20350	25	#Max	QPSK	22.94	1.24	24.18	PASS
Band4	10	20350	50	#0	QPSK	22.89	1.24	24.13	PASS
Band4	10	20350	1	#0	16QAM	23.56	1.24	24.80	PASS
Band4	10	20350	1	#Mid	16QAM	23.57	1.24	24.81	PASS
Band4	10	20350	1	#Max	16QAM	23.83	1.24	25.07	PASS
Band4	10	20350	25	#0	16QAM	21.94	1.24	23.18	PASS

Band4	10	20350	25	#Mid	16QAM	21.89	1.24	23.13	PASS
Band4	10	20350	25	#Max	16QAM	21.93	1.24	23.17	PASS
Band4	10	20350	50	#0	16QAM	21.79	1.24	23.03	PASS
Band4	15	20025	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	15	20025	1	#Mid	QPSK	24.08	1.24	25.32	PASS
Band4	15	20025	1	#Max	QPSK	24.05	1.24	25.29	PASS
Band4	15	20025	36	#0	QPSK	23.03	1.24	24.27	PASS
Band4	15	20025	36	#Mid	QPSK	23.16	1.24	24.40	PASS
Band4	15	20025	36	#Max	QPSK	23.09	1.24	24.33	PASS
Band4	15	20025	75	#0	QPSK	23.05	1.24	24.29	PASS
Band4	15	20025	1	#0	16QAM	24.17	1.24	25.41	PASS
Band4	15	20025	1	#Mid	16QAM	24.19	1.24	25.43	PASS
Band4	15	20025	1	#Max	16QAM	24.14	1.24	25.38	PASS
Band4	15	20025	36	#0	16QAM	22.10	1.24	23.34	PASS
Band4	15	20025	36	#Mid	16QAM	22.10	1.24	23.34	PASS
Band4	15	20025	36	#Max	16QAM	22.18	1.24	23.42	PASS
Band4	15	20025	75	#0	16QAM	22.07	1.24	23.31	PASS
Band4	15	20175	1	#0	QPSK	24.11	1.24	25.35	PASS
Band4	15	20175	1	#Mid	QPSK	24.11	1.24	25.35	PASS
Band4	15	20175	1	#Max	QPSK	23.98	1.24	25.22	PASS
Band4	15	20175	36	#0	QPSK	23.27	1.24	24.51	PASS
Band4	15	20175	36	#Mid	QPSK	23.17	1.24	24.41	PASS
Band4	15	20175	36	#Max	QPSK	23.13	1.24	24.37	PASS
Band4	15	20175	75	#0	QPSK	23.08	1.24	24.32	PASS
Band4	15	20175	1	#0	16QAM	23.94	1.24	25.18	PASS
Band4	15	20175	1	#Mid	16QAM	23.85	1.24	25.09	PASS
Band4	15	20175	1	#Max	16QAM	23.61	1.24	24.85	PASS
Band4	15	20175	36	#0	16QAM	22.36	1.24	23.60	PASS
Band4	15	20175	36	#Mid	16QAM	22.27	1.24	23.51	PASS
Band4	15	20175	36	#Max	16QAM	22.25	1.24	23.49	PASS
Band4	15	20175	75	#0	16QAM	22.12	1.24	23.36	PASS
Band4	15	20325	1	#0	QPSK	23.98	1.24	25.22	PASS
Band4	15	20325	1	#Mid	QPSK	23.80	1.24	25.04	PASS
Band4	15	20325	1	#Max	QPSK	23.86	1.24	25.10	PASS
Band4	15	20325	36	#0	QPSK	22.89	1.24	24.13	PASS
Band4	15	20325	36	#Mid	QPSK	22.81	1.24	24.05	PASS
Band4	15	20325	36	#Max	QPSK	22.86	1.24	24.10	PASS
Band4	15	20325	75	#0	QPSK	22.87	1.24	24.11	PASS
Band4	15	20325	1	#0	16QAM	23.92	1.24	25.16	PASS
Band4	15	20325	1	#Mid	16QAM	23.83	1.24	25.07	PASS
Band4	15	20325	1	#Max	16QAM	23.89	1.24	25.13	PASS
Band4	15	20325	36	#0	16QAM	21.84	1.24	23.08	PASS
Band4	15	20325	36	#Mid	16QAM	21.84	1.24	23.08	PASS

Band4	15	20325	36	#Max	16QAM	21.76	1.24	23.00	PASS
Band4	15	20325	75	#0	16QAM	21.91	1.24	23.15	PASS
Band4	20	20050	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	20	20050	1	#Mid	QPSK	24.19	1.24	25.43	PASS
Band4	20	20050	1	#Max	QPSK	24.31	1.24	25.55	PASS
Band4	20	20050	50	#0	QPSK	23.08	1.24	24.32	PASS
Band4	20	20050	50	#Mid	QPSK	23.10	1.24	24.34	PASS
Band4	20	20050	50	#Max	QPSK	23.23	1.24	24.47	PASS
Band4	20	20050	100	#0	QPSK	23.07	1.24	24.31	PASS
Band4	20	20050	1	#0	16QAM	23.19	1.24	24.43	PASS
Band4	20	20050	1	#Mid	16QAM	23.21	1.24	24.45	PASS
Band4	20	20050	1	#Max	16QAM	23.29	1.24	24.53	PASS
Band4	20	20050	50	#0	16QAM	22.16	1.24	23.40	PASS
Band4	20	20050	50	#Mid	16QAM	22.15	1.24	23.39	PASS
Band4	20	20050	50	#Max	16QAM	22.33	1.24	23.57	PASS
Band4	20	20050	100	#0	16QAM	22.12	1.24	23.36	PASS
Band4	20	20175	1	#0	QPSK	24.41	1.24	25.65	PASS
Band4	20	20175	1	#Mid	QPSK	24.47	1.24	25.71	PASS
Band4	20	20175	1	#Max	QPSK	24.29	1.24	25.53	PASS
Band4	20	20175	50	#0	QPSK	23.20	1.24	24.44	PASS
Band4	20	20175	50	#Mid	QPSK	23.14	1.24	24.38	PASS
Band4	20	20175	50	#Max	QPSK	23.15	1.24	24.39	PASS
Band4	20	20175	100	#0	QPSK	23.12	1.24	24.36	PASS
Band4	20	20175	1	#0	16QAM	23.27	1.24	24.51	PASS
Band4	20	20175	1	#Mid	16QAM	23.27	1.24	24.51	PASS
Band4	20	20175	1	#Max	16QAM	23.10	1.24	24.34	PASS
Band4	20	20175	50	#0	16QAM	22.24	1.24	23.48	PASS
Band4	20	20175	50	#Mid	16QAM	22.16	1.24	23.40	PASS
Band4	20	20175	50	#Max	16QAM	22.17	1.24	23.41	PASS
Band4	20	20175	100	#0	16QAM	22.15	1.24	23.39	PASS
Band4	20	20300	1	#0	QPSK	24.15	1.24	25.39	PASS
Band4	20	20300	1	#Mid	QPSK	23.93	1.24	25.17	PASS
Band4	20	20300	1	#Max	QPSK	23.98	1.24	25.22	PASS
Band4	20	20300	50	#0	QPSK	22.94	1.24	24.18	PASS
Band4	20	20300	50	#Mid	QPSK	22.93	1.24	24.17	PASS
Band4	20	20300	50	#Max	QPSK	22.71	1.24	23.95	PASS
Band4	20	20300	100	#0	QPSK	22.89	1.24	24.13	PASS
Band4	20	20300	1	#0	16QAM	23.53	1.24	24.77	PASS
Band4	20	20300	1	#Mid	16QAM	23.29	1.24	24.53	PASS
Band4	20	20300	1	#Max	16QAM	23.35	1.24	24.59	PASS
Band4	20	20300	50	#0	16QAM	22.05	1.24	23.29	PASS
Band4	20	20300	50	#Mid	16QAM	22.02	1.24	23.26	PASS
Band4	20	20300	50	#Max	16QAM	21.88	1.24	23.12	PASS

Band4	20	20300	100	#0	16QAM	22.01	1.24	23.25	PASS
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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	0.00	0.000	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-1.42	-0.001	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-15.85	-0.009	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-33.70	-0.020	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	3.36	0.002	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-5.71	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-1.00	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-0.03	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-3.32	-0.002	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-4.41	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-5.92	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-3.42	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	9.33	0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-6.58	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-24.76	-0.014	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-8.78	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-23.83	-0.014	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-36.15	-0.021	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	0.00	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	15.86	0.009	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	2.82	0.002	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-15.89	-0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-30.44	-0.018	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-25.43	-0.015	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	7.85	0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	10.27	0.006	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	6.42	0.004	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	4.22	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	3.43	0.002	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	5.95	0.003	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	10.69	0.006	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-8.61	-0.005	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-29.21	-0.017	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-17.88	-0.010	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-32.80	-0.019	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-42.13	-0.024	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	5.64	0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	-34.20	-0.020	PASS

Band4	5	19975	25	#0	QPSK	HV	NT	-15.18	-0.009	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-27.67	-0.016	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-33.07	-0.019	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-26.12	-0.015	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-13.92	-0.008	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-21.33	-0.012	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-30.64	-0.018	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-25.28	-0.015	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-13.10	-0.008	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-16.79	-0.010	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	14.52	0.008	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-6.82	-0.004	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-35.26	-0.020	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-26.06	-0.015	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	-42.50	-0.024	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	-14.99	-0.009	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-18.64	-0.011	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-17.75	-0.010	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-56.99	-0.033	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-78.56	-0.046	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-34.85	-0.020	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-7.94	-0.005	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	0.39	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-4.82	-0.003	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-11.82	-0.007	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	-14.38	-0.008	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	-14.81	-0.009	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	-12.40	-0.007	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	1.90	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-13.59	-0.008	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-35.43	-0.020	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	-20.13	-0.012	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	-26.59	-0.015	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	-29.07	-0.017	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-15.19	-0.009	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-32.77	-0.019	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-28.25	-0.016	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-33.93	-0.020	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-3.58	-0.002	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-29.11	-0.017	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-13.45	-0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-16.08	-0.009	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-31.00	-0.018	PASS

Band4	15	20175	75	#0	16QAM	LV	NT	-43.75	-0.025	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	-43.75	-0.025	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	-40.25	-0.023	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	3.49	0.002	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-10.79	-0.006	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-31.99	-0.018	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	-2.96	-0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	9.26	0.005	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	11.13	0.006	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	0.00	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	20.71	0.012	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-18.00	-0.010	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-32.92	-0.019	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	-24.85	-0.014	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-13.36	-0.008	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	3.63	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	4.21	0.002	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-4.33	-0.002	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-9.40	-0.005	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	-2.85	-0.002	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	3.85	0.002	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-2.23	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-5.88	-0.003	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-19.67	-0.011	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	-34.75	-0.020	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	-28.38	-0.016	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	-25.94	-0.015	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	-16.75	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-20.30	-0.012	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-33.75	-0.020	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-19.30	-0.011	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-5.71	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-12.37	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-13.48	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-17.67	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-18.10	-0.011	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-15.98	-0.009	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	-12.87	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-9.14	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-6.42	-0.004	PASS

Band4	1.4	19957	6	#0	16QAM	NV	10	-6.58	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-5.68	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-5.82	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-3.25	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-4.62	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	9.90	0.006	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	9.47	0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	7.17	0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	4.81	0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	2.95	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	2.43	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	2.06	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-0.11	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	2.09	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	2.22	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	3.93	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	5.05	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	5.91	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	5.91	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	7.65	0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	7.27	0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	9.26	0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	7.44	0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-0.84	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-14.89	-0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-26.28	-0.015	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-31.41	-0.018	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-32.94	-0.019	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-34.45	-0.020	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-35.52	-0.020	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-35.10	-0.020	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-33.12	-0.019	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-32.94	-0.019	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-29.40	-0.017	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	-24.33	-0.014	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-23.47	-0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-21.14	-0.012	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-22.00	-0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-22.49	-0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-20.73	-0.012	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-22.65	-0.013	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-32.59	-0.019	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-20.44	-0.012	PASS

Band4	3	19965	15	#0	QPSK	NV	-10	-33.13	-0.019	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-9.38	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-17.81	-0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-19.61	-0.011	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-19.17	-0.011	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-21.09	-0.012	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-18.08	-0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-16.31	-0.010	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	-10.41	-0.006	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	-7.62	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	0	-7.01	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-4.46	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-4.51	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-3.82	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	40	-5.84	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-3.95	-0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	10.87	0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	8.65	0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	6.71	0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	0	4.58	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	10	3.79	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	20	1.83	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-0.33	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	40	1.02	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	50	1.59	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-1.82	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	1.52	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	3.18	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	0	4.62	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	10	5.95	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	20	7.44	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	30	5.79	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	40	8.91	0.005	PASS
Band4	3	20175	15	#0	16QAM	NV	50	6.14	0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-3.42	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-15.11	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-26.22	-0.015	PASS
Band4	3	20385	15	#0	QPSK	NV	0	-32.70	-0.019	PASS
Band4	3	20385	15	#0	QPSK	NV	10	-34.16	-0.019	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-33.72	-0.019	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-34.48	-0.020	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-33.60	-0.019	PASS
Band4	3	20385	15	#0	QPSK	NV	50	-32.54	-0.019	PASS

Band4	3	20385	15	#0	16QAM	NV	-30	-33.40	-0.019	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-25.65	-0.015	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	-21.97	-0.013	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-20.77	-0.012	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-18.22	-0.010	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-16.06	-0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	30	-13.90	-0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-18.83	-0.011	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-16.26	-0.009	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-31.61	-0.018	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-37.39	-0.022	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-27.04	-0.016	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-41.99	-0.025	PASS
Band4	5	19975	25	#0	QPSK	NV	10	4.16	0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-0.54	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-0.99	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-2.03	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	50	0.24	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	0.27	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	3.68	0.002	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	8.28	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	0	10.67	0.006	PASS
Band4	5	19975	25	#0	16QAM	NV	10	9.11	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	20	12.02	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	30	8.80	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	40	10.67	0.006	PASS
Band4	5	19975	25	#0	16QAM	NV	50	8.31	0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	14.05	0.008	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	14.28	0.008	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	11.56	0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	0	10.60	0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	10	6.18	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	20	6.58	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	30	2.46	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	40	3.48	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	50	4.38	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	6.58	0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	6.04	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	9.90	0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	0	12.27	0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	10	10.26	0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	20	14.31	0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	30	14.95	0.009	PASS

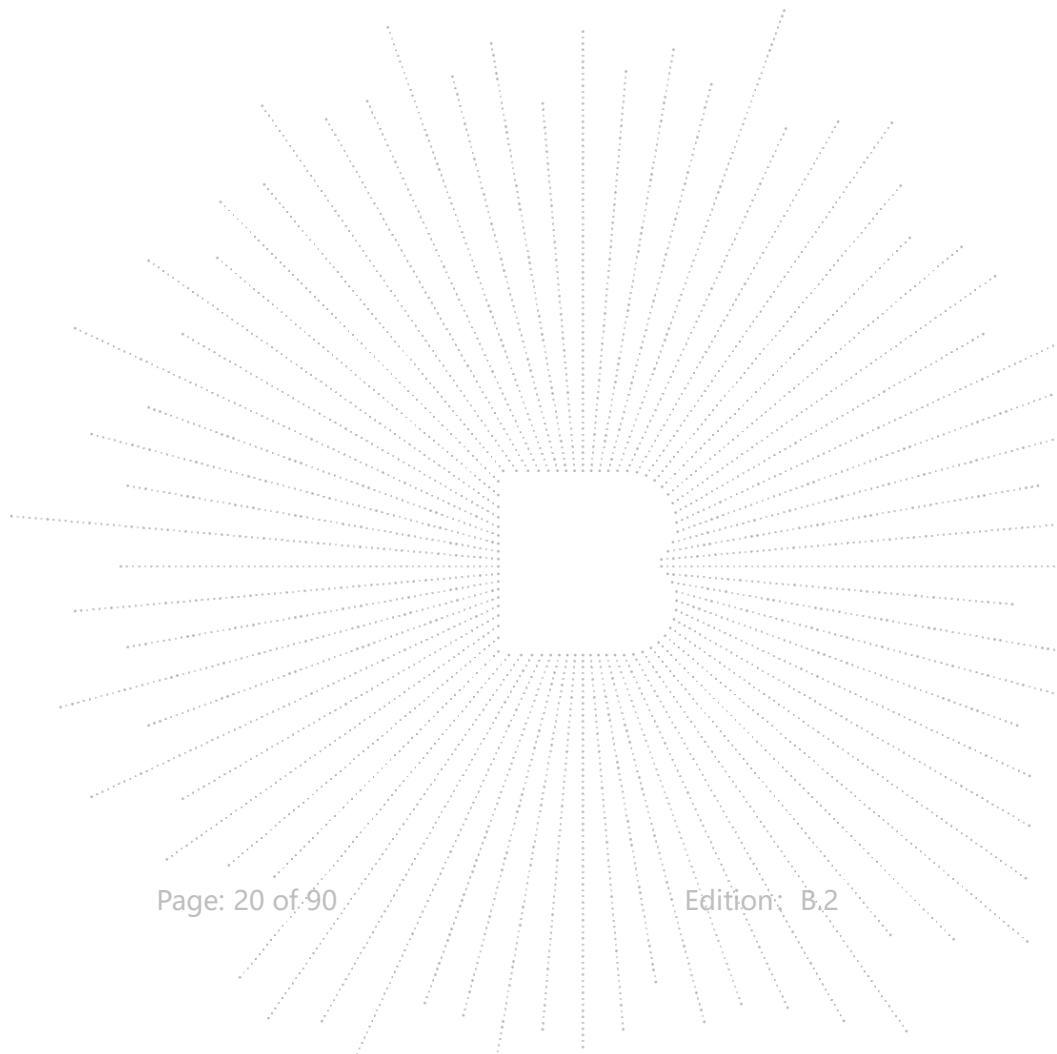
Band4	5	20175	25	#0	16QAM	NV	40	12.96	0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	50	13.59	0.008	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	4.48	0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-10.23	-0.006	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	-18.54	-0.011	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-23.23	-0.013	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-25.21	-0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-26.02	-0.015	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-25.39	-0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-22.10	-0.013	PASS
Band4	5	20375	25	#0	QPSK	NV	50	-20.74	-0.012	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-20.89	-0.012	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-17.35	-0.010	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	-12.45	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-9.34	-0.005	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-9.80	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-12.57	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-10.04	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-11.30	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-11.64	-0.007	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	0.00	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	0.24	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-26.04	-0.015	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-39.24	-0.023	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-37.15	-0.022	PASS
Band4	10	20000	50	#0	QPSK	NV	20	18.93	0.011	PASS
Band4	10	20000	50	#0	QPSK	NV	30	19.98	0.012	PASS
Band4	10	20000	50	#0	QPSK	NV	40	21.56	0.013	PASS
Band4	10	20000	50	#0	QPSK	NV	50	22.12	0.013	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	23.67	0.014	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	29.80	0.017	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	34.20	0.020	PASS
Band4	10	20000	50	#0	16QAM	NV	0	33.82	0.020	PASS
Band4	10	20000	50	#0	16QAM	NV	10	32.83	0.019	PASS
Band4	10	20000	50	#0	16QAM	NV	20	32.01	0.019	PASS
Band4	10	20000	50	#0	16QAM	NV	30	33.56	0.020	PASS
Band4	10	20000	50	#0	16QAM	NV	40	32.20	0.019	PASS
Band4	10	20000	50	#0	16QAM	NV	50	32.94	0.019	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	18.48	0.011	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	21.01	0.012	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	16.19	0.009	PASS
Band4	10	20175	50	#0	QPSK	NV	0	16.11	0.009	PASS
Band4	10	20175	50	#0	QPSK	NV	10	12.93	0.007	PASS

Band4	10	20175	50	#0	QPSK	NV	20	14.25	0.008	PASS
Band4	10	20175	50	#0	QPSK	NV	30	11.53	0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	40	11.80	0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	50	11.17	0.006	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	12.26	0.007	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	17.80	0.010	PASS
Band4	10	20175	50	#0	16QAM	NV	-10	19.57	0.011	PASS
Band4	10	20175	50	#0	16QAM	NV	0	18.74	0.011	PASS
Band4	10	20175	50	#0	16QAM	NV	10	20.08	0.012	PASS
Band4	10	20175	50	#0	16QAM	NV	20	21.94	0.013	PASS
Band4	10	20175	50	#0	16QAM	NV	30	21.72	0.013	PASS
Band4	10	20175	50	#0	16QAM	NV	40	21.13	0.012	PASS
Band4	10	20175	50	#0	16QAM	NV	50	24.49	0.014	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	3.40	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-10.87	-0.006	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-17.57	-0.010	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-18.28	-0.010	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-20.50	-0.012	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-19.64	-0.011	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-18.75	-0.011	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-19.48	-0.011	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-18.68	-0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	-18.42	-0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	-11.06	-0.006	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	-7.74	-0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	0	-5.52	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	10	-4.79	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	20	-6.90	-0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	30	-7.52	-0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	40	-5.11	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	50	-6.68	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-23.66	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-19.48	-0.011	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-42.89	-0.025	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-23.19	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-15.71	-0.009	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-21.39	-0.012	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-20.51	-0.012	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-21.01	-0.012	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-22.12	-0.013	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	-21.20	-0.012	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	-15.01	-0.009	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	-12.62	-0.007	PASS

Band4	15	20025	75	#0	16QAM	NV	0	-11.92	-0.007	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-14.98	-0.009	PASS
Band4	15	20025	75	#0	16QAM	NV	20	-17.25	-0.010	PASS
Band4	15	20025	75	#0	16QAM	NV	30	-17.60	-0.010	PASS
Band4	15	20025	75	#0	16QAM	NV	40	-15.91	-0.009	PASS
Band4	15	20025	75	#0	16QAM	NV	50	-18.83	-0.011	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	21.82	0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	17.41	0.010	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	14.71	0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	0	16.68	0.010	PASS
Band4	15	20175	75	#0	QPSK	NV	10	12.39	0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	20	12.13	0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	30	14.35	0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	40	16.88	0.010	PASS
Band4	15	20175	75	#0	QPSK	NV	50	15.86	0.009	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	15.69	0.009	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	17.27	0.010	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	22.97	0.013	PASS
Band4	15	20175	75	#0	16QAM	NV	0	25.49	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	10	25.56	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	20	26.02	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	30	28.74	0.017	PASS
Band4	15	20175	75	#0	16QAM	NV	40	26.58	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	50	27.91	0.016	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	1.12	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-11.03	-0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-17.15	-0.010	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-20.17	-0.012	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-19.08	-0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	20	-19.98	-0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-17.72	-0.010	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-18.57	-0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-19.27	-0.011	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	-17.55	-0.010	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-13.06	-0.007	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	-10.84	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	0	-9.74	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	10	-12.45	-0.007	PASS
Band4	15	20325	75	#0	16QAM	NV	20	-10.27	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	30	-11.47	-0.007	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-9.70	-0.006	PASS
Band4	15	20325	75	#0	16QAM	NV	50	-10.81	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	0.00	0.000	PASS

Band4	20	20050	100	#0	QPSK	NV	-20	-21.26	-0.012	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-47.71	-0.028	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-15.96	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-16.04	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-16.08	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-16.47	-0.010	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-15.76	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-17.41	-0.010	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	-14.65	-0.009	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	-9.28	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	-4.43	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	0	-5.97	-0.003	PASS
Band4	20	20050	100	#0	16QAM	NV	10	-7.65	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	20	-7.04	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	30	-9.08	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	40	-7.97	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	50	-7.21	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	16.35	0.009	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	12.47	0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	8.14	0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	0	7.74	0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	10	5.62	0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	20	8.01	0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	30	5.54	0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	40	8.25	0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	50	3.85	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	9.16	0.005	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	13.02	0.008	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	19.04	0.011	PASS
Band4	20	20175	100	#0	16QAM	NV	0	19.40	0.011	PASS
Band4	20	20175	100	#0	16QAM	NV	10	22.66	0.013	PASS
Band4	20	20175	100	#0	16QAM	NV	20	23.35	0.013	PASS
Band4	20	20175	100	#0	16QAM	NV	30	23.65	0.014	PASS
Band4	20	20175	100	#0	16QAM	NV	40	26.24	0.015	PASS
Band4	20	20175	100	#0	16QAM	NV	50	26.91	0.016	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	7.68	0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-1.03	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	-4.43	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-7.15	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-7.51	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-7.05	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-6.65	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-9.04	-0.005	PASS

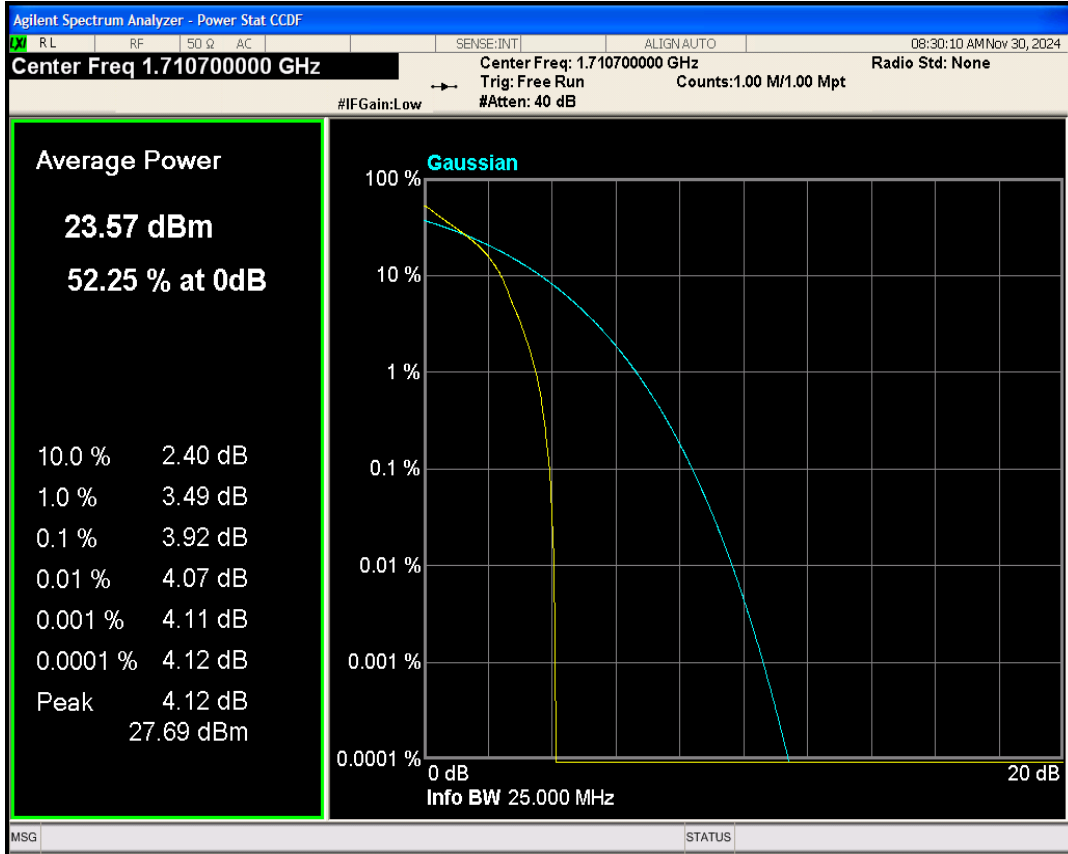
Band4	20	20300	100	#0	QPSK	NV	50	-10.00	-0.006	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	-8.18	-0.005	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-3.12	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-1.14	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	0	0.97	0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	10	3.40	0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	20	3.65	0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	30	3.32	0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	40	6.24	0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	50	5.25	0.003	PASS



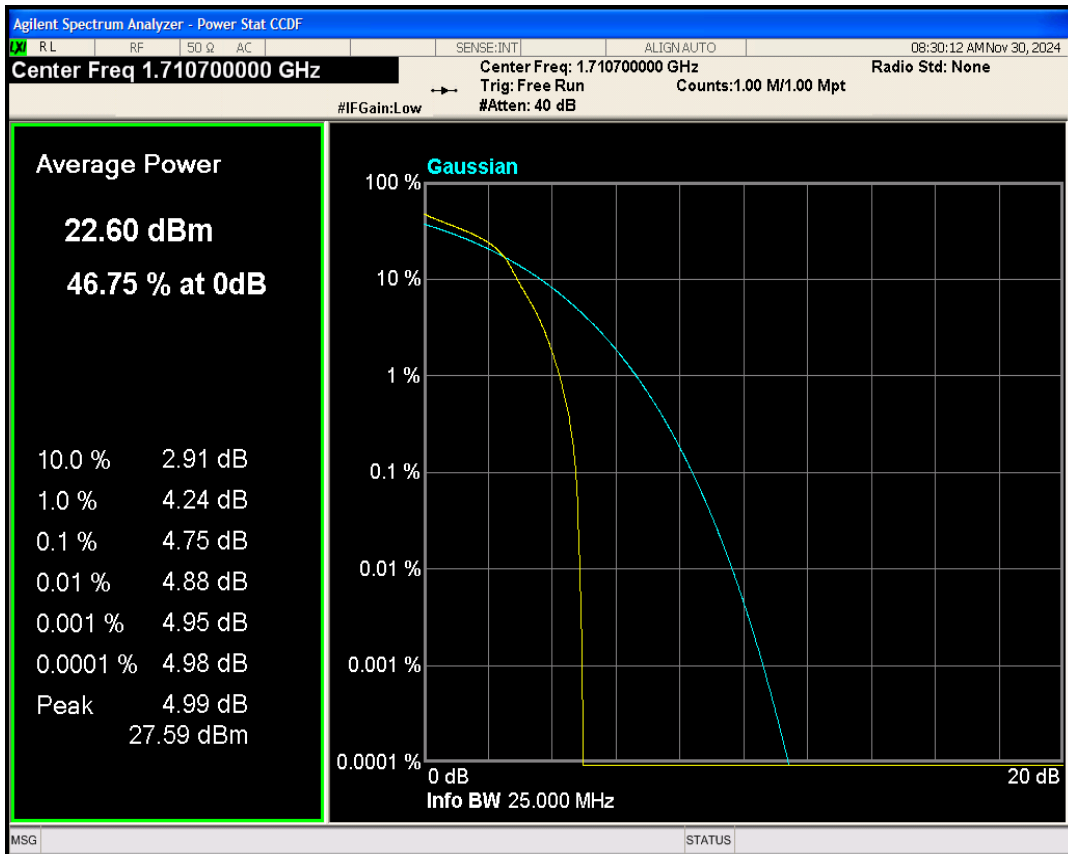
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	3.92	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.75	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.48	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.19	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.30	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.28	13	PASS
Band4	3	19965	1	#0	QPSK	5.17	13	PASS
Band4	3	19965	1	#0	16QAM	4.91	13	PASS
Band4	3	20175	1	#0	QPSK	4.60	13	PASS
Band4	3	20175	1	#0	16QAM	5.10	13	PASS
Band4	3	20385	1	#0	QPSK	6.23	13	PASS
Band4	3	20385	1	#0	16QAM	5.30	13	PASS
Band4	5	19975	1	#0	QPSK	4.09	13	PASS
Band4	5	19975	1	#0	16QAM	5.13	13	PASS
Band4	5	20175	1	#0	QPSK	8.01	13	PASS
Band4	5	20175	1	#0	16QAM	5.39	13	PASS
Band4	5	20375	1	#0	QPSK	4.36	13	PASS
Band4	5	20375	1	#0	16QAM	5.43	13	PASS
Band4	10	20000	1	#0	QPSK	3.83	13	PASS
Band4	10	20000	1	#0	16QAM	4.91	13	PASS
Band4	10	20175	1	#0	QPSK	9.08	13	PASS
Band4	10	20175	1	#0	16QAM	5.73	13	PASS
Band4	10	20350	1	#0	QPSK	3.77	13	PASS
Band4	10	20350	1	#0	16QAM	4.47	13	PASS
Band4	15	20025	1	#0	QPSK	4.11	13	PASS
Band4	15	20025	1	#0	16QAM	4.86	13	PASS
Band4	15	20175	1	#0	QPSK	3.78	13	PASS
Band4	15	20175	1	#0	16QAM	5.57	13	PASS
Band4	15	20325	1	#0	QPSK	3.49	13	PASS
Band4	15	20325	1	#0	16QAM	4.27	13	PASS
Band4	20	20050	1	#0	QPSK	4.10	13	PASS
Band4	20	20050	1	#0	16QAM	4.85	13	PASS
Band4	20	20175	1	#0	QPSK	8.27	13	PASS
Band4	20	20175	1	#0	16QAM	5.63	13	PASS
Band4	20	20300	1	#0	QPSK	3.89	13	PASS
Band4	20	20300	1	#0	16QAM	4.81	13	PASS

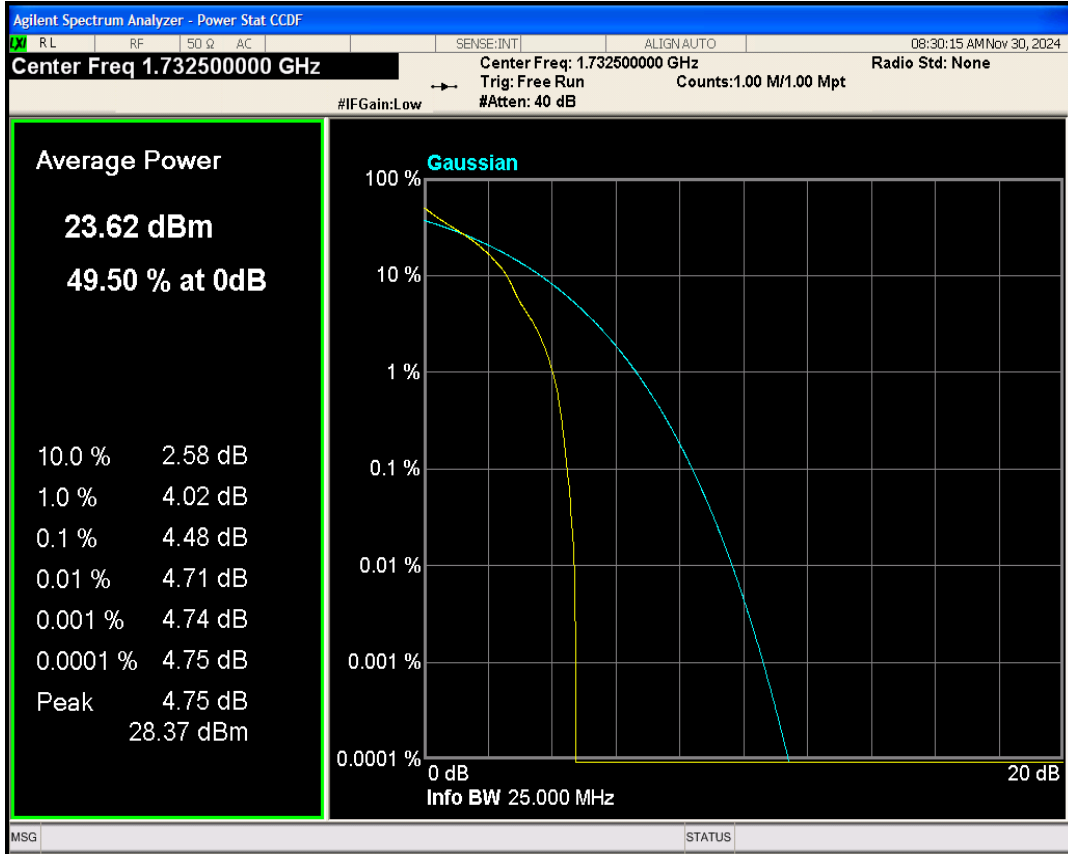
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



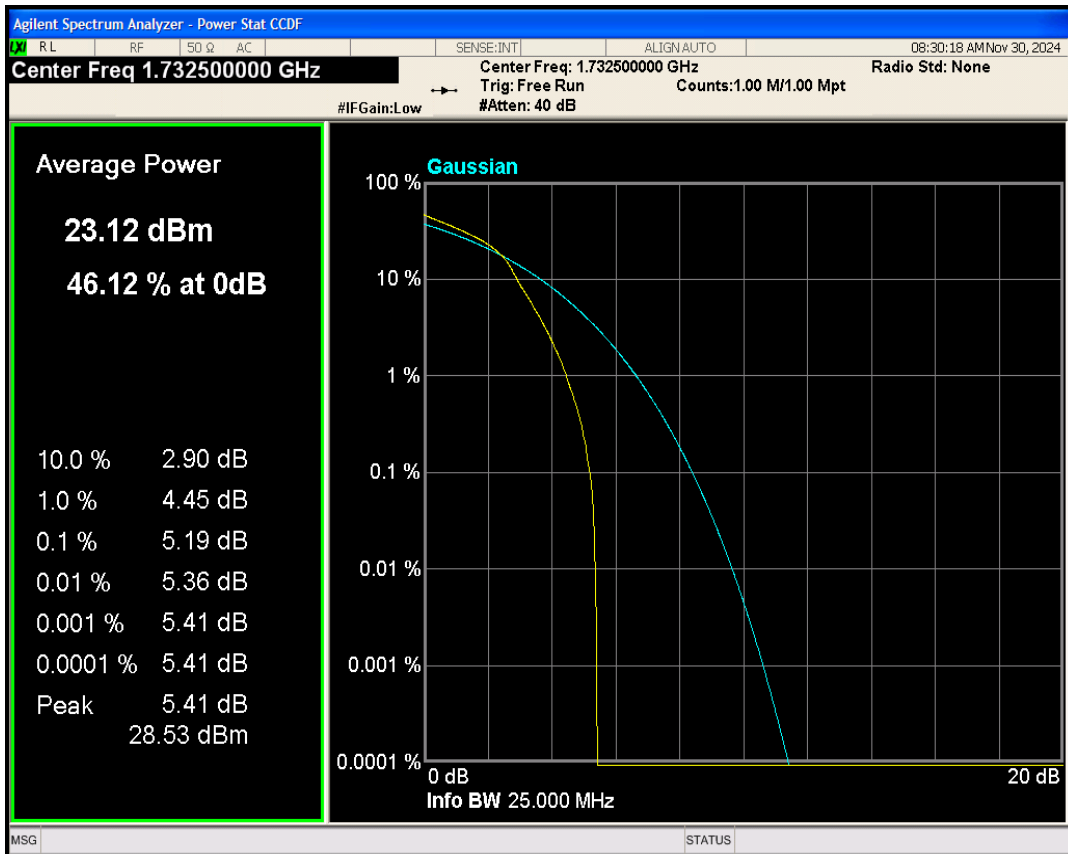
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



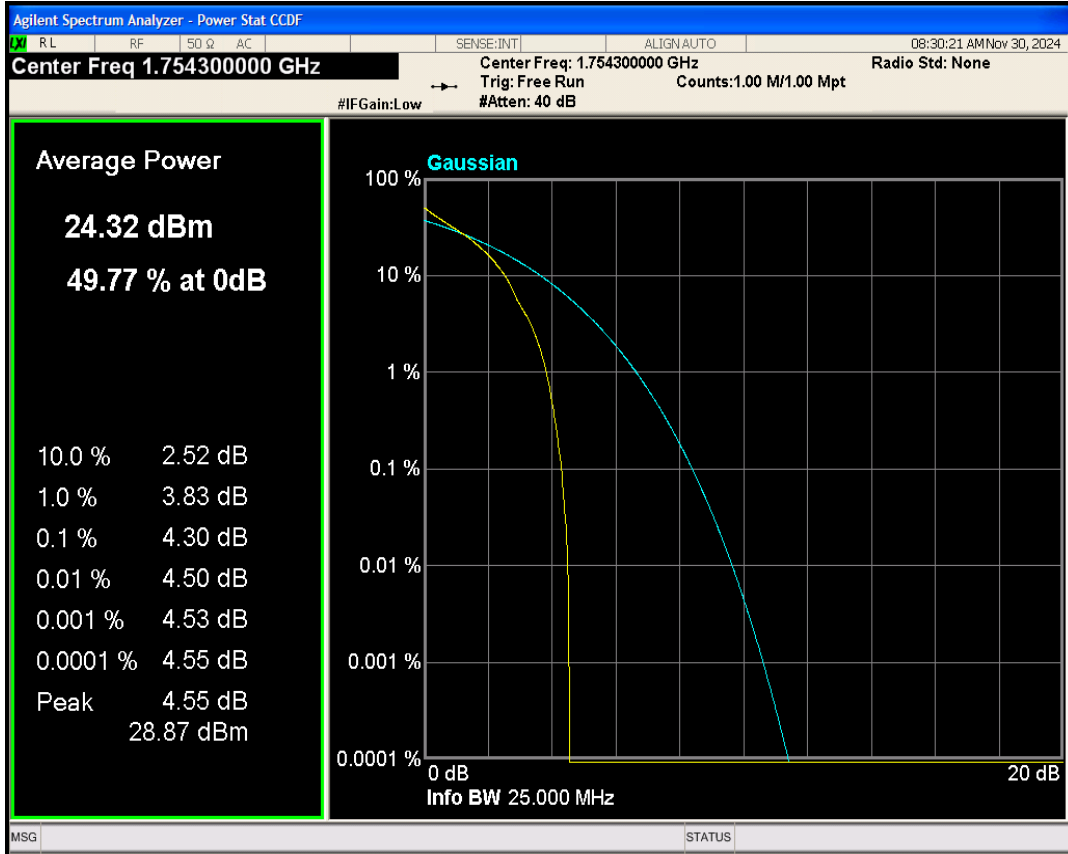
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



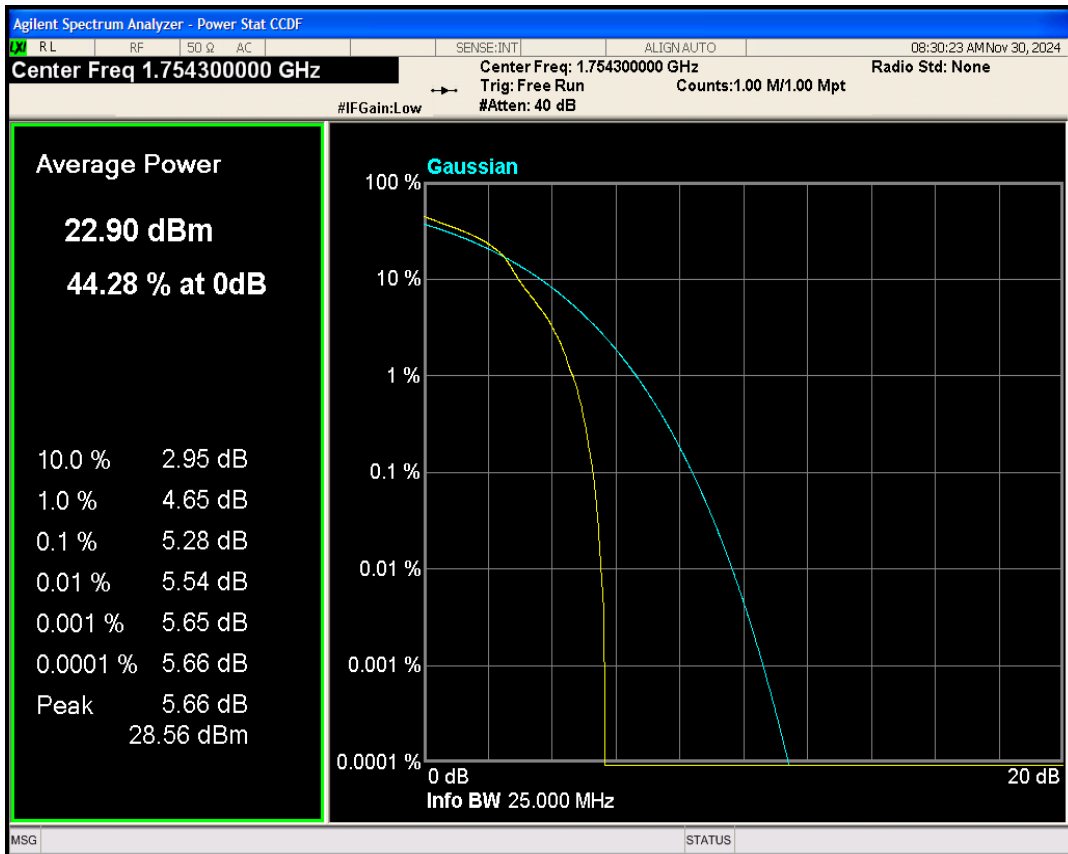
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



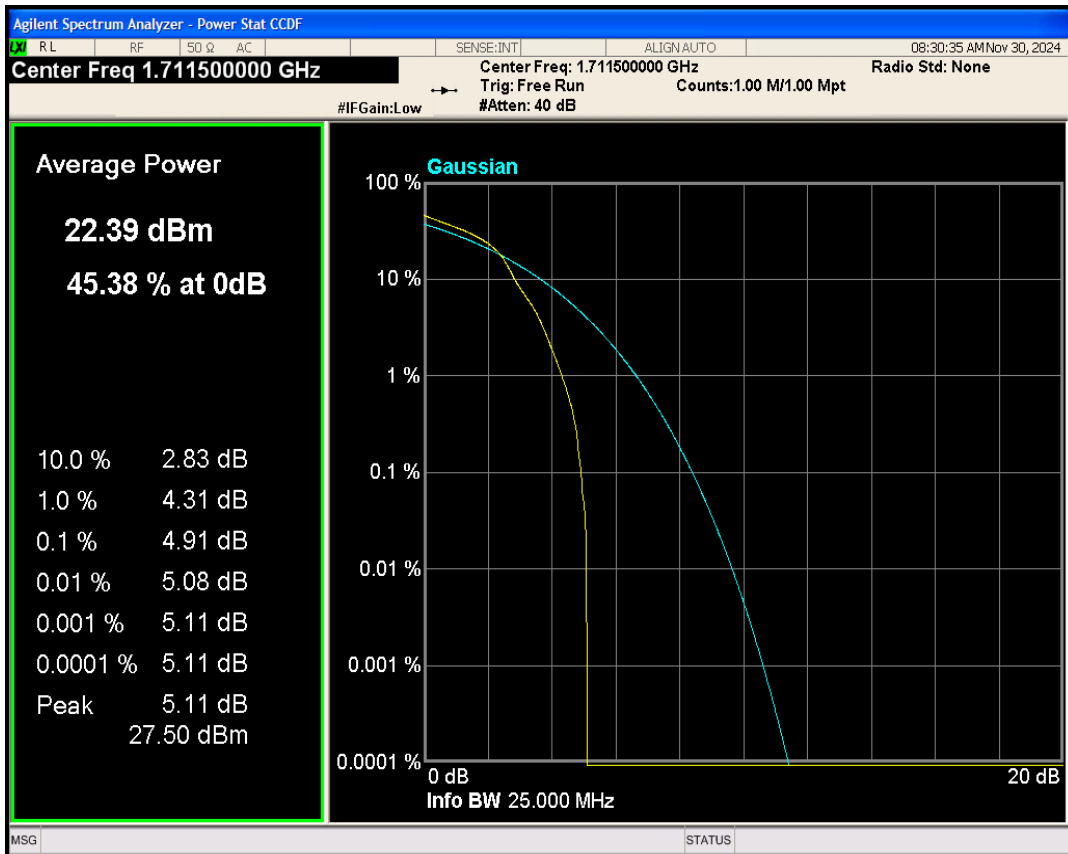
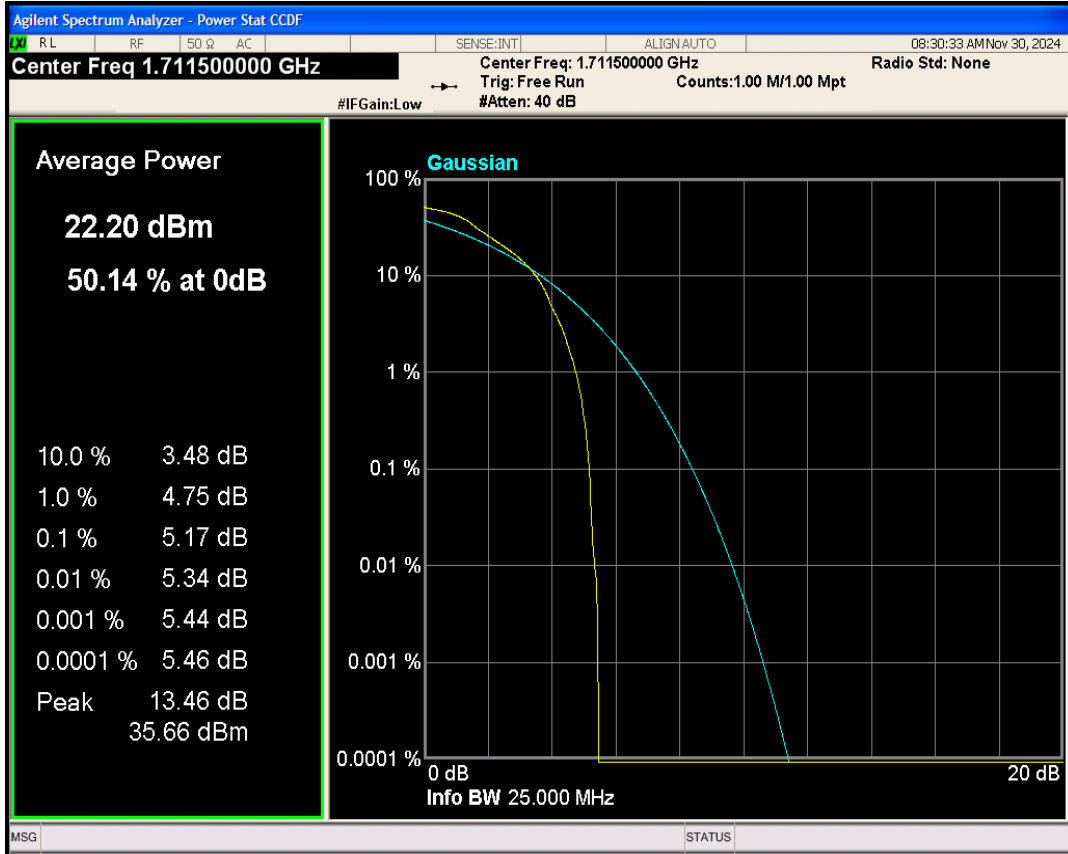
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

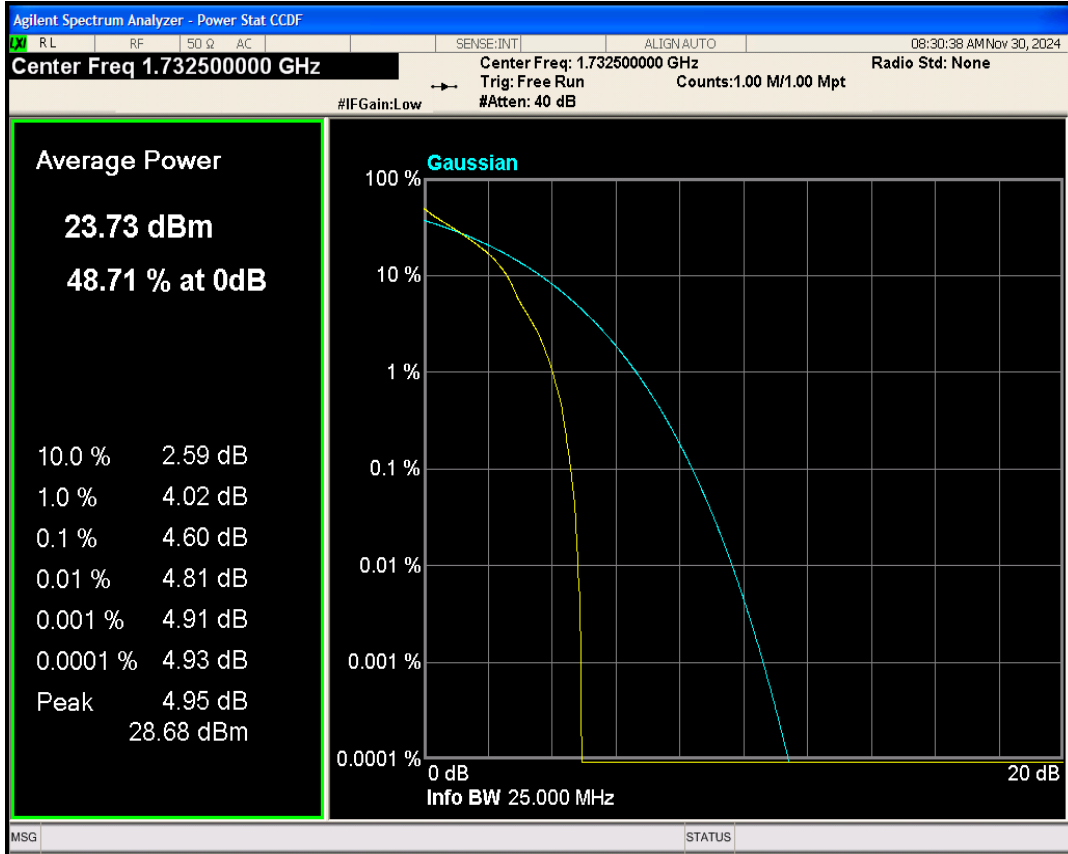


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

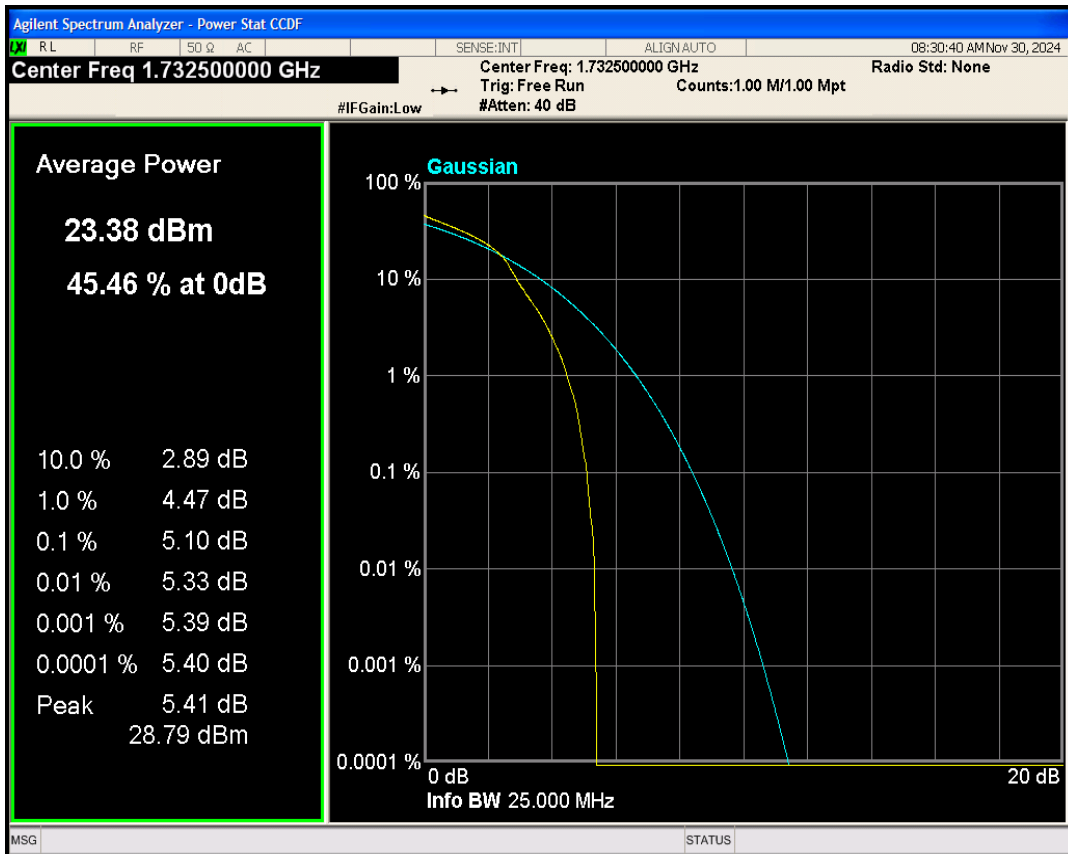


Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

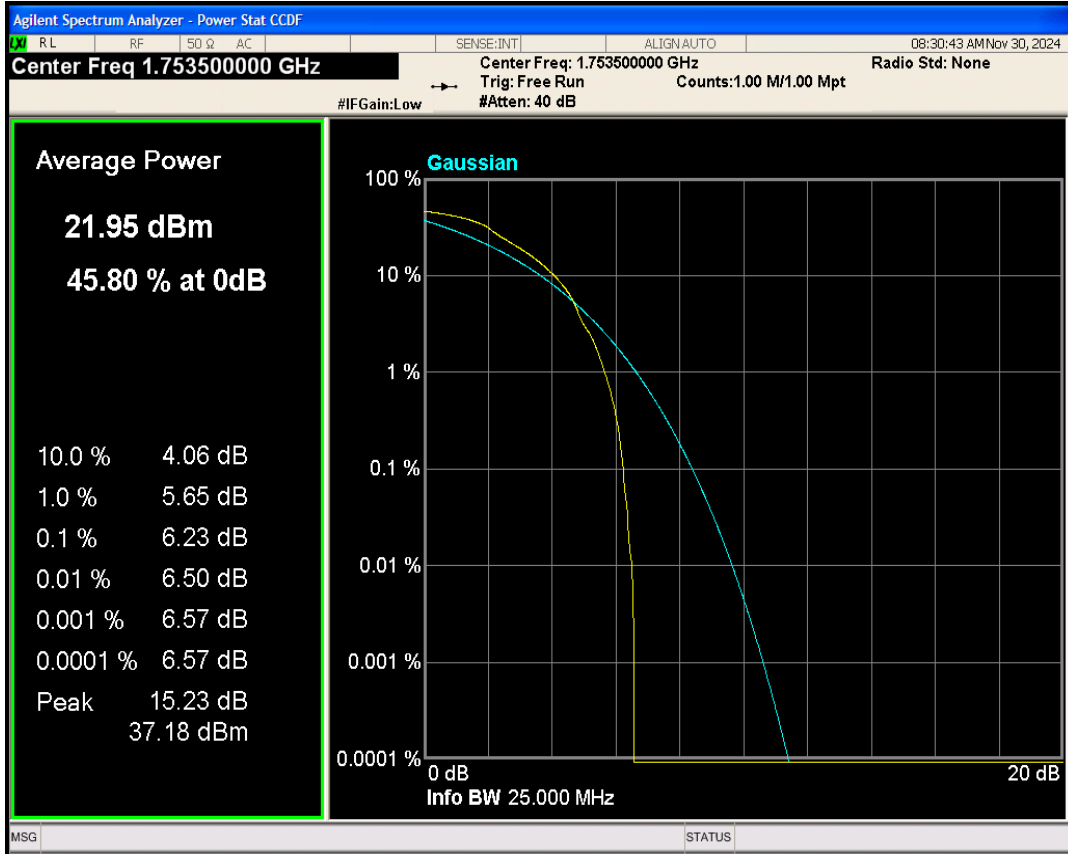




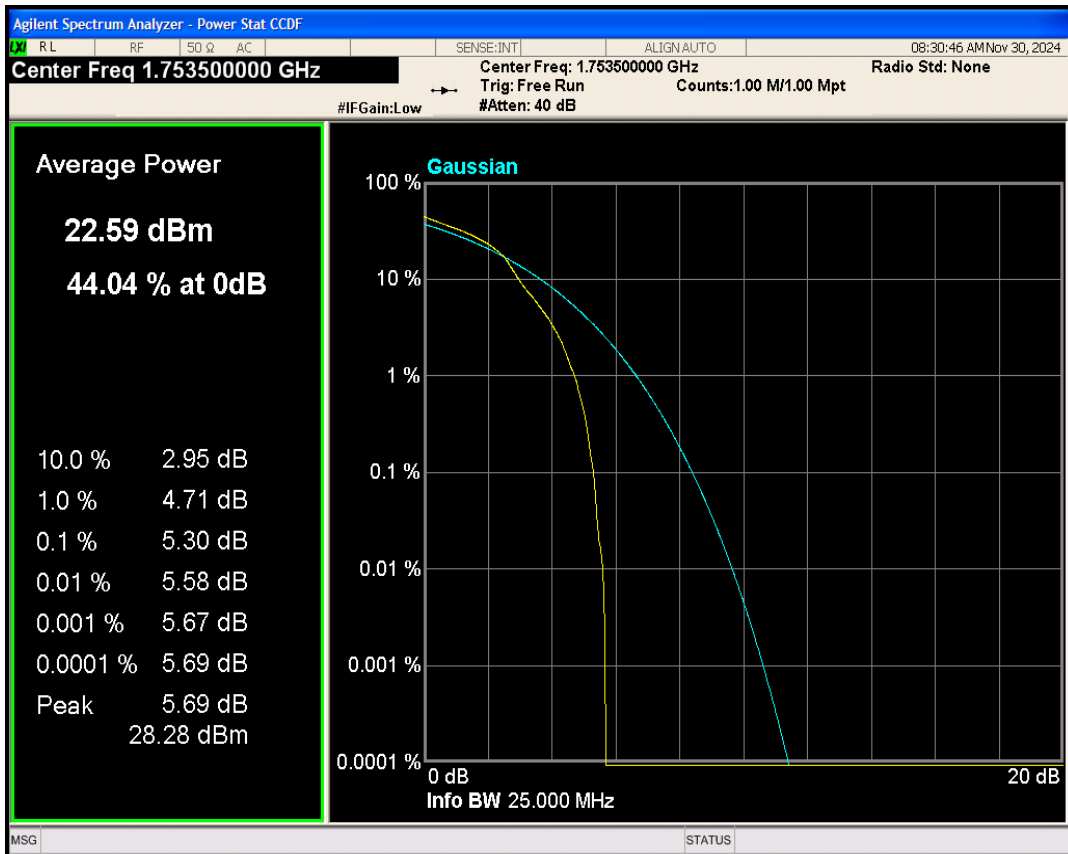
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



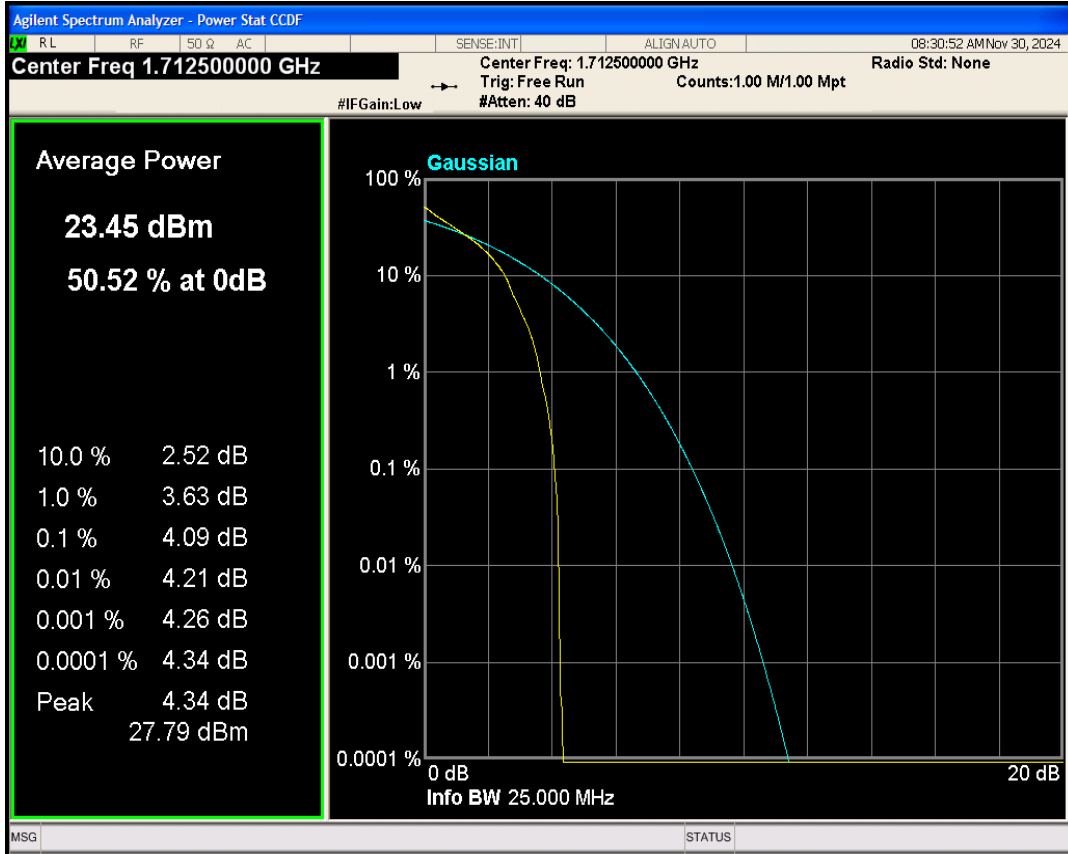
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



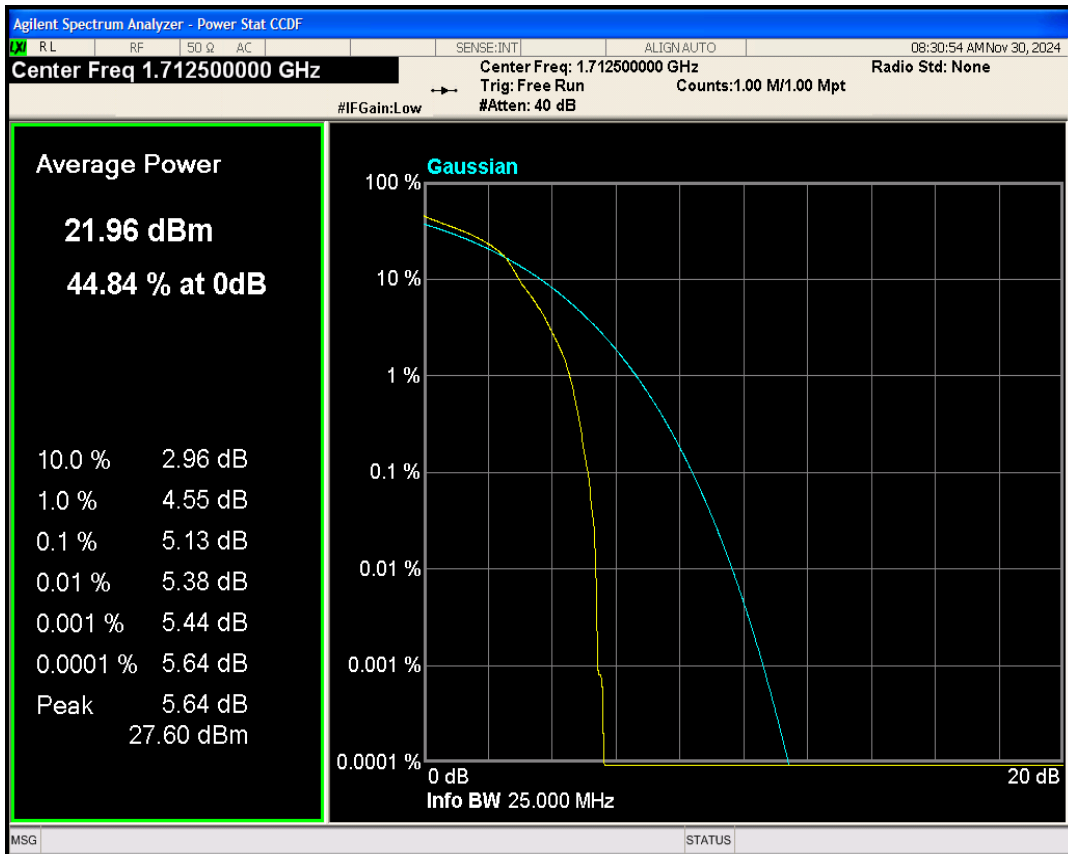
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



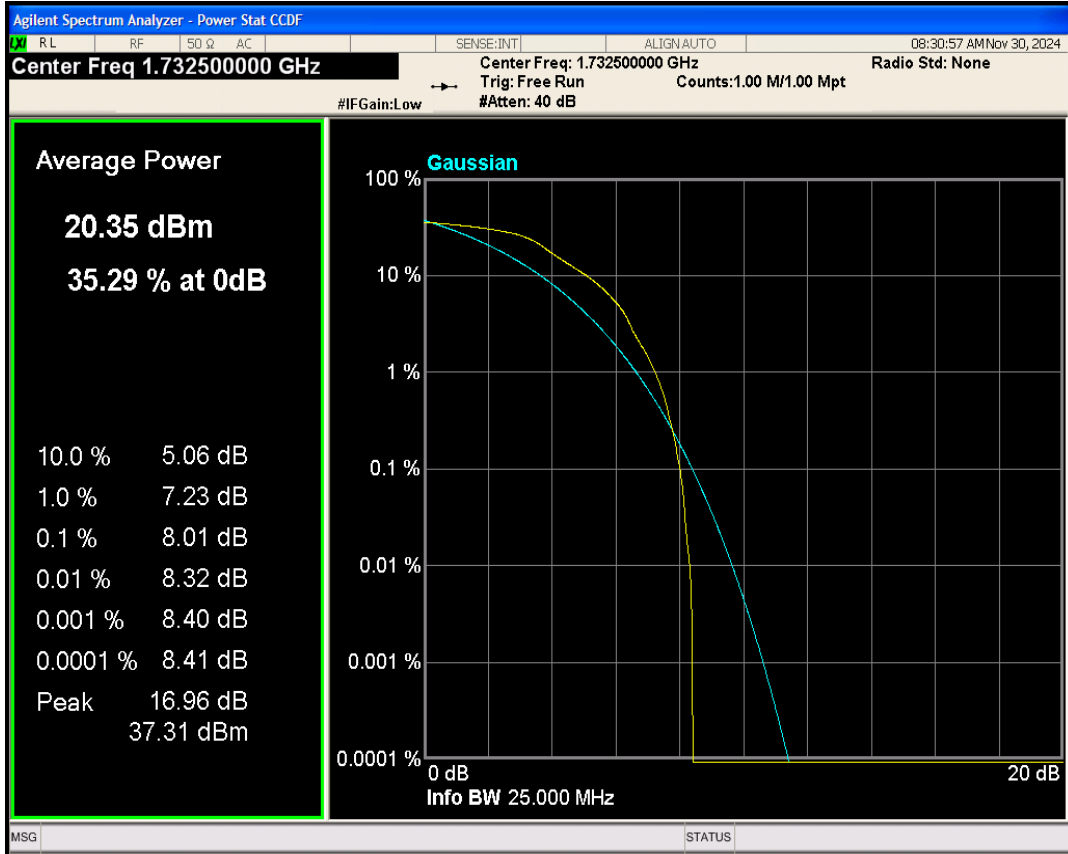
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



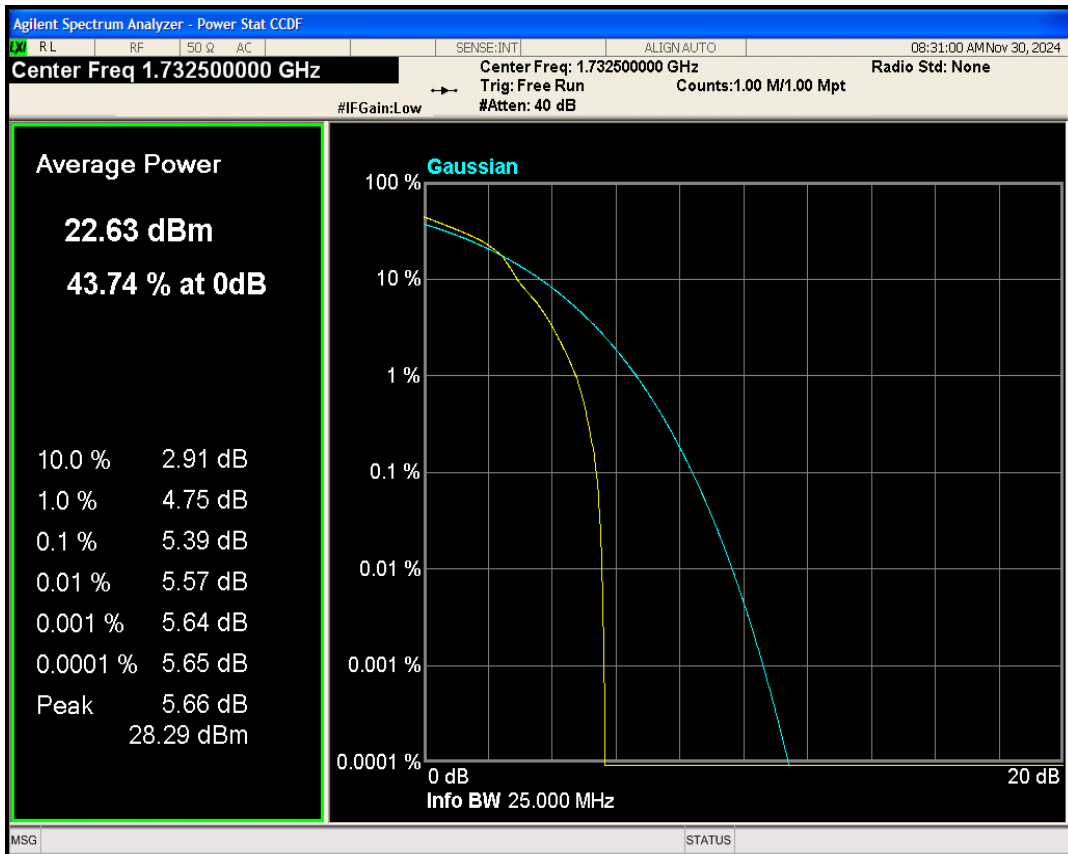
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



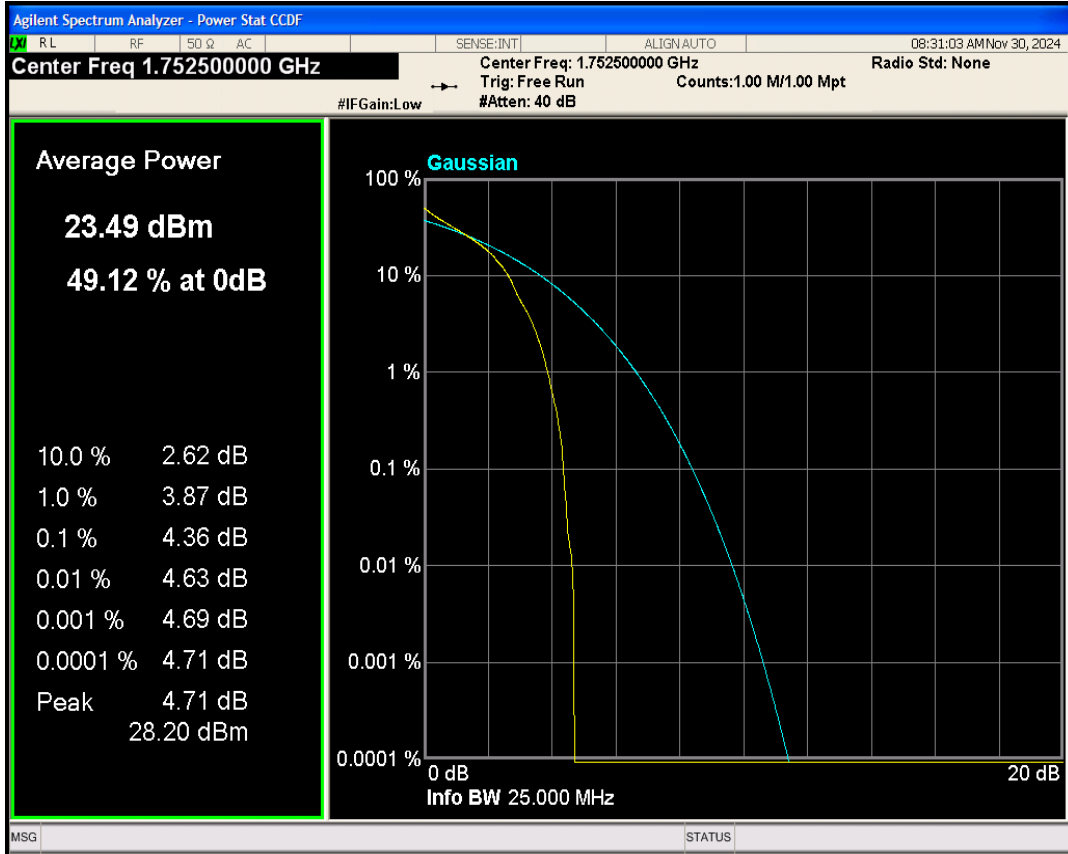
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



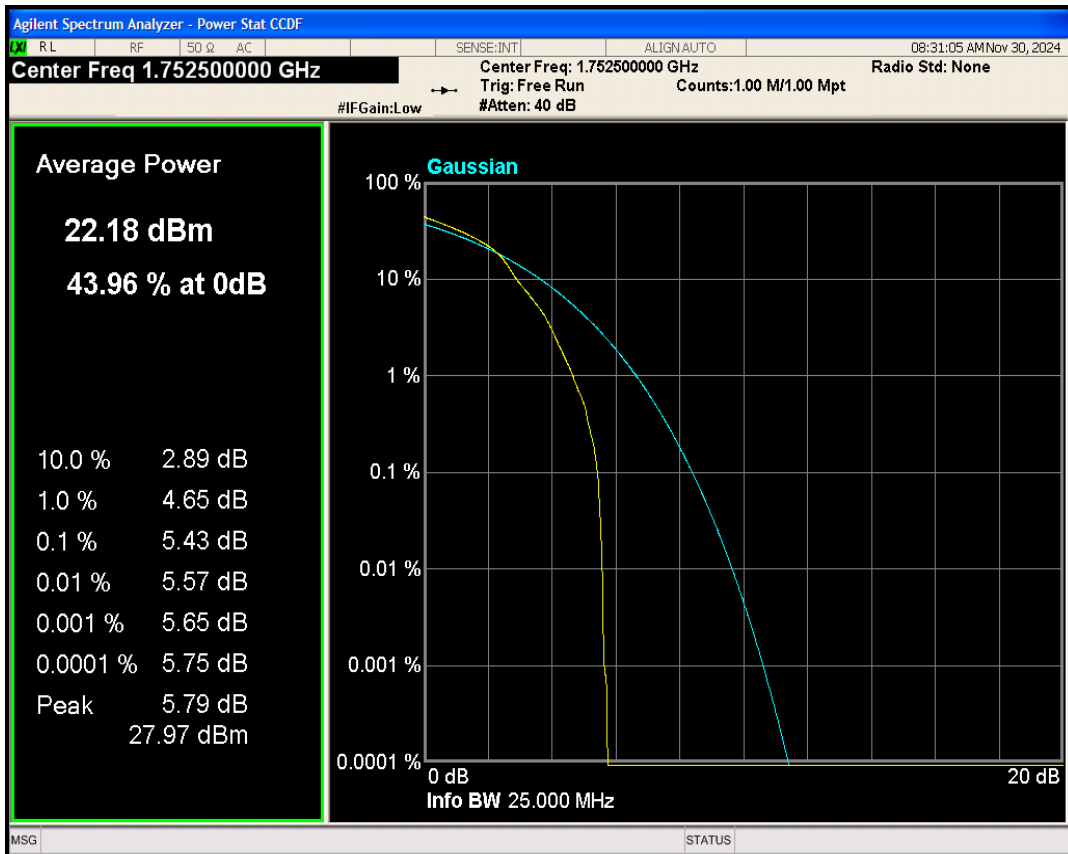
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



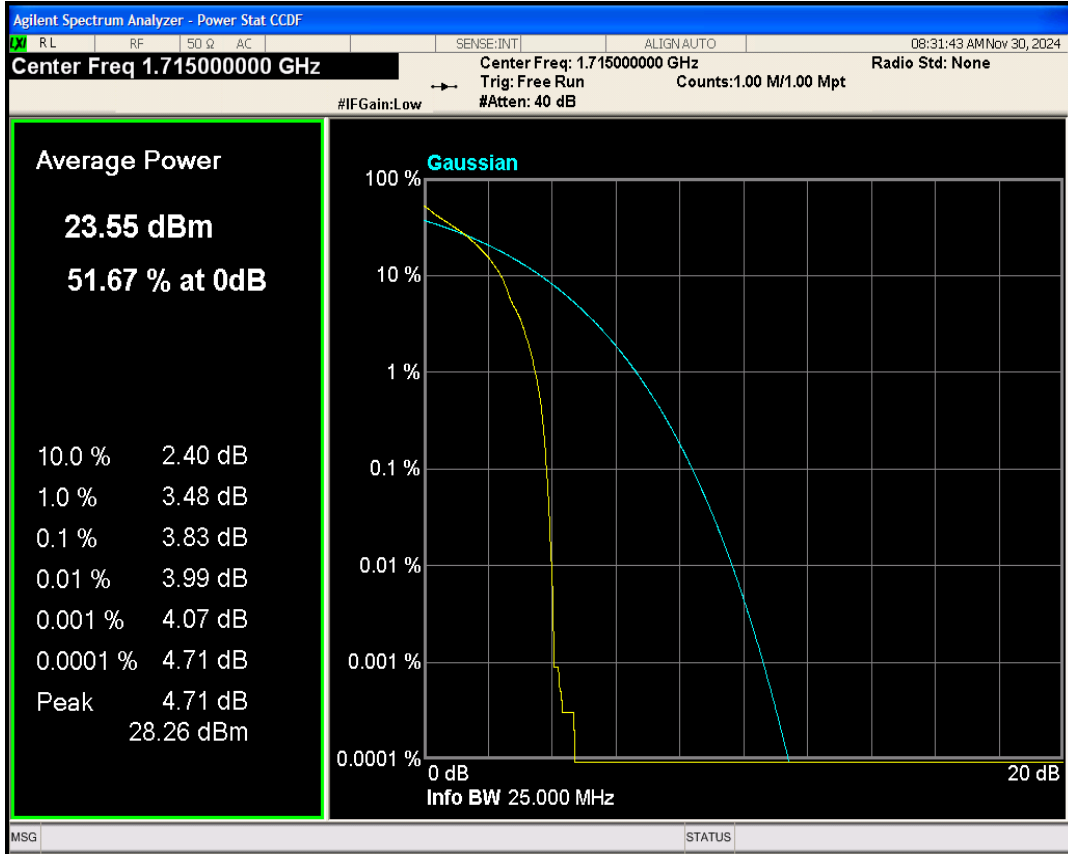
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



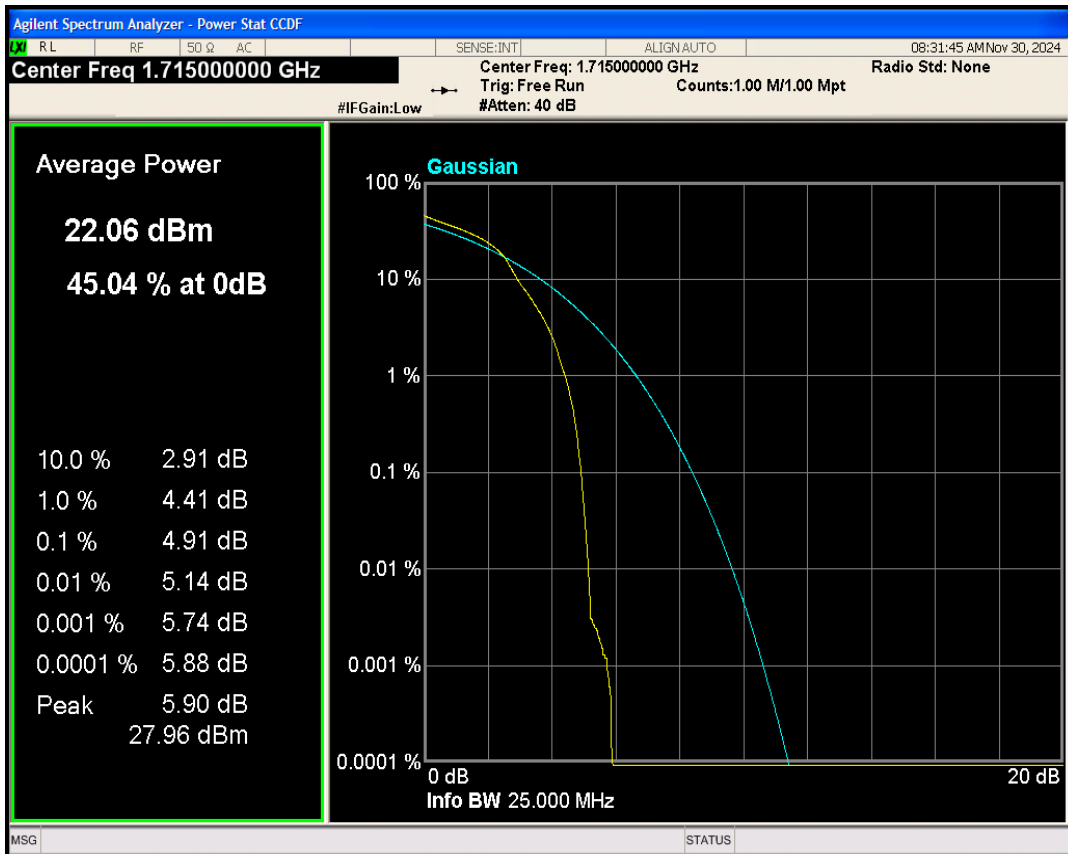
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



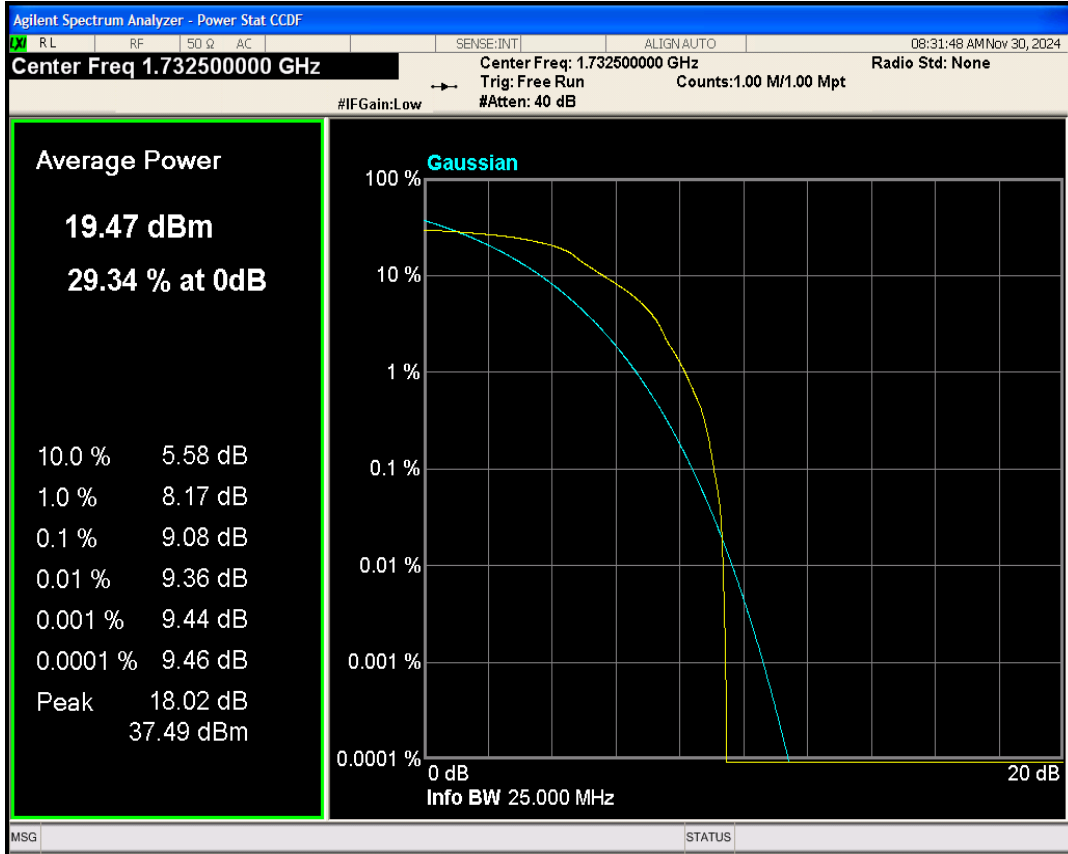
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



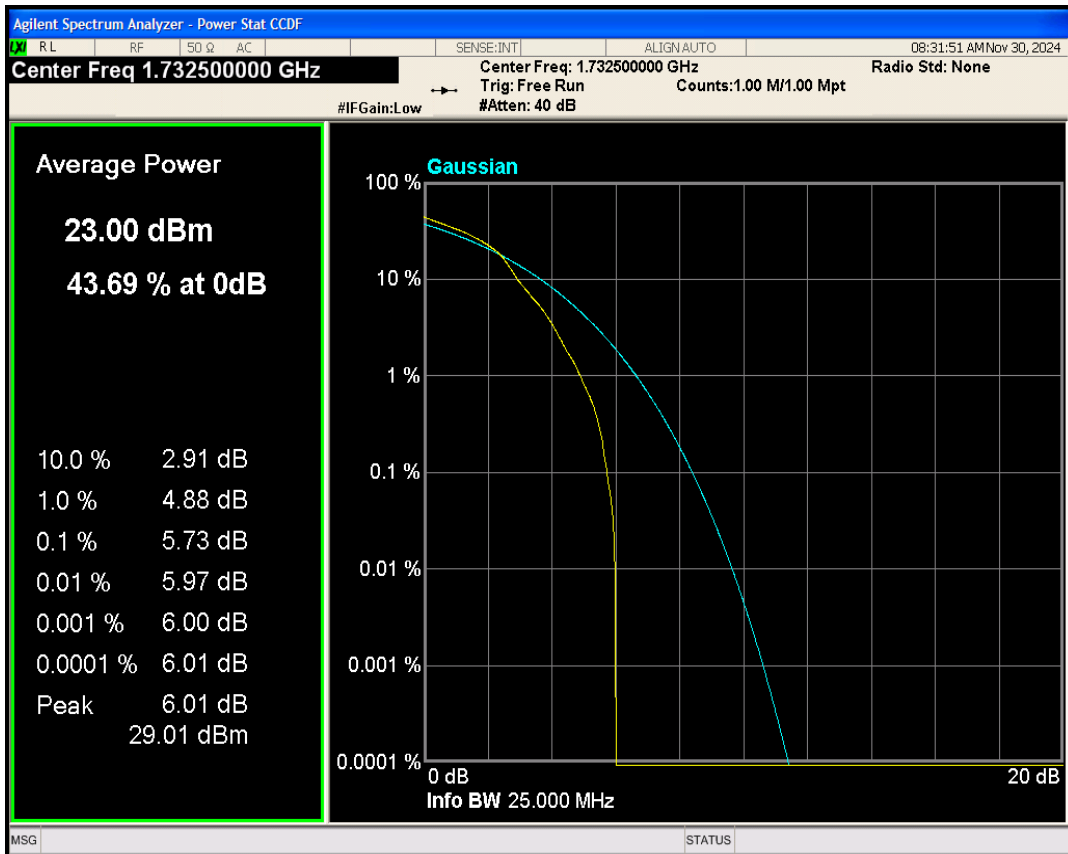
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



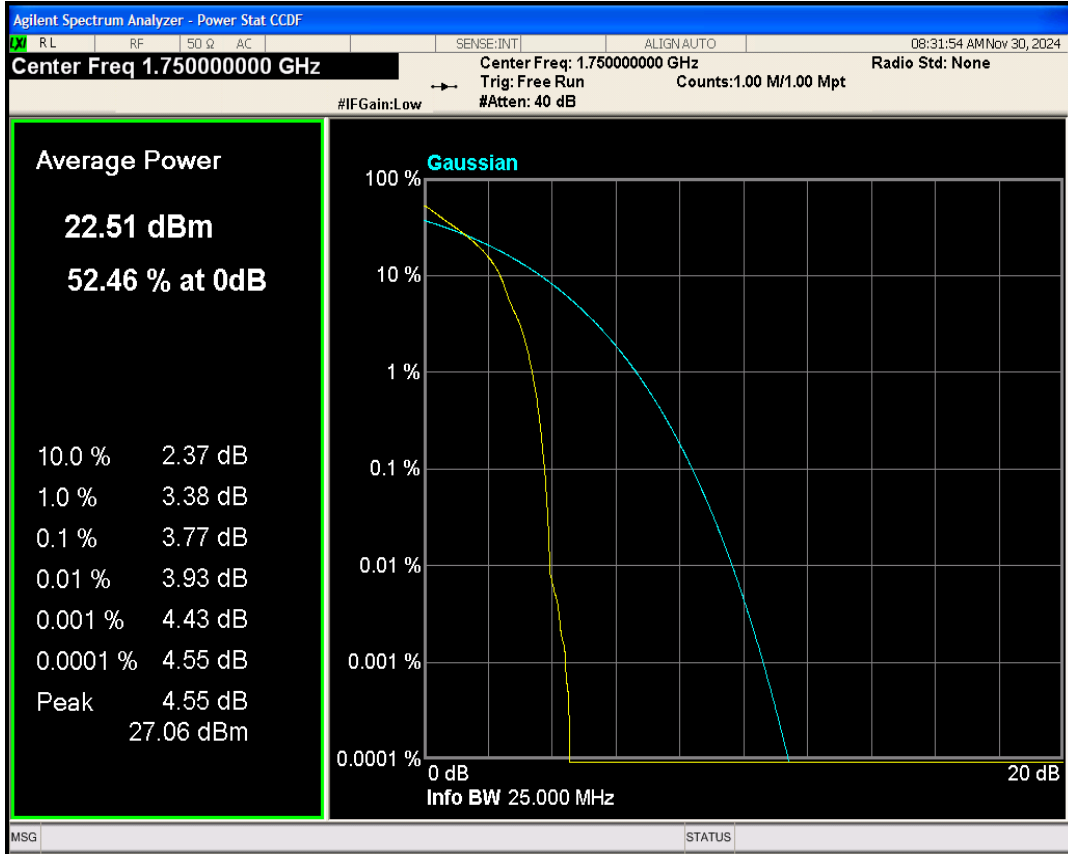
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



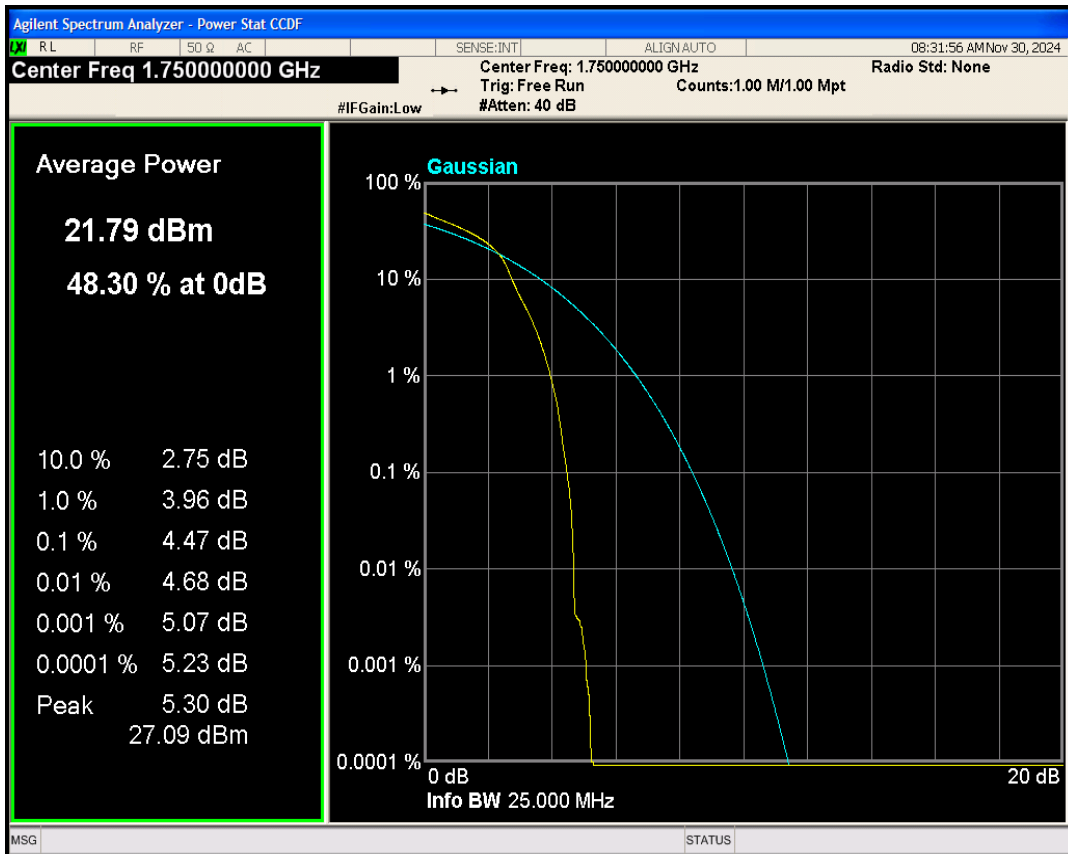
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



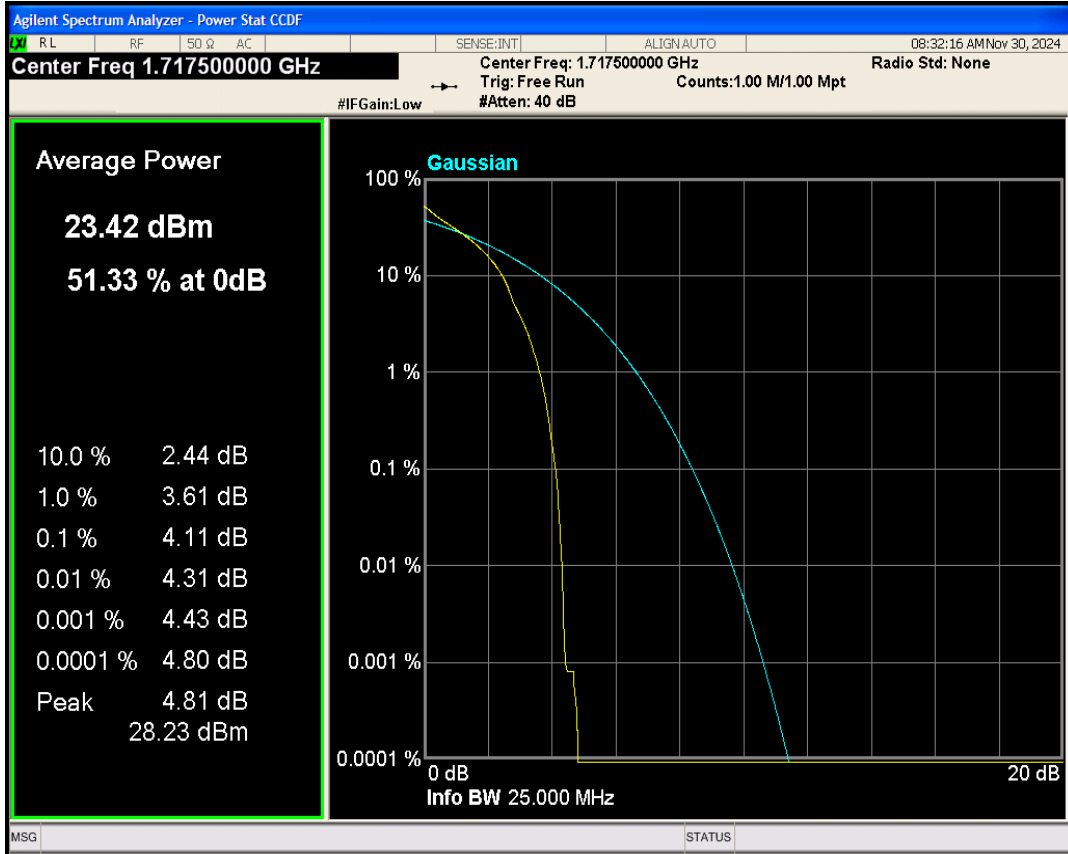
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



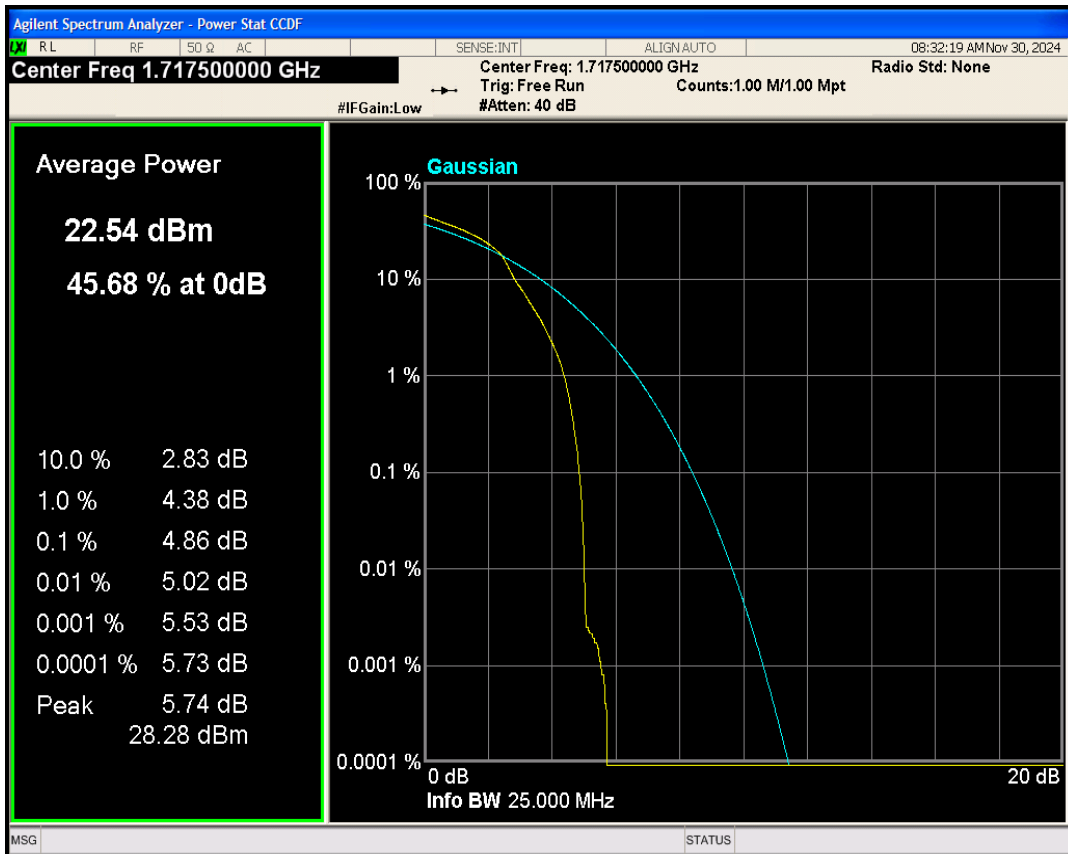
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



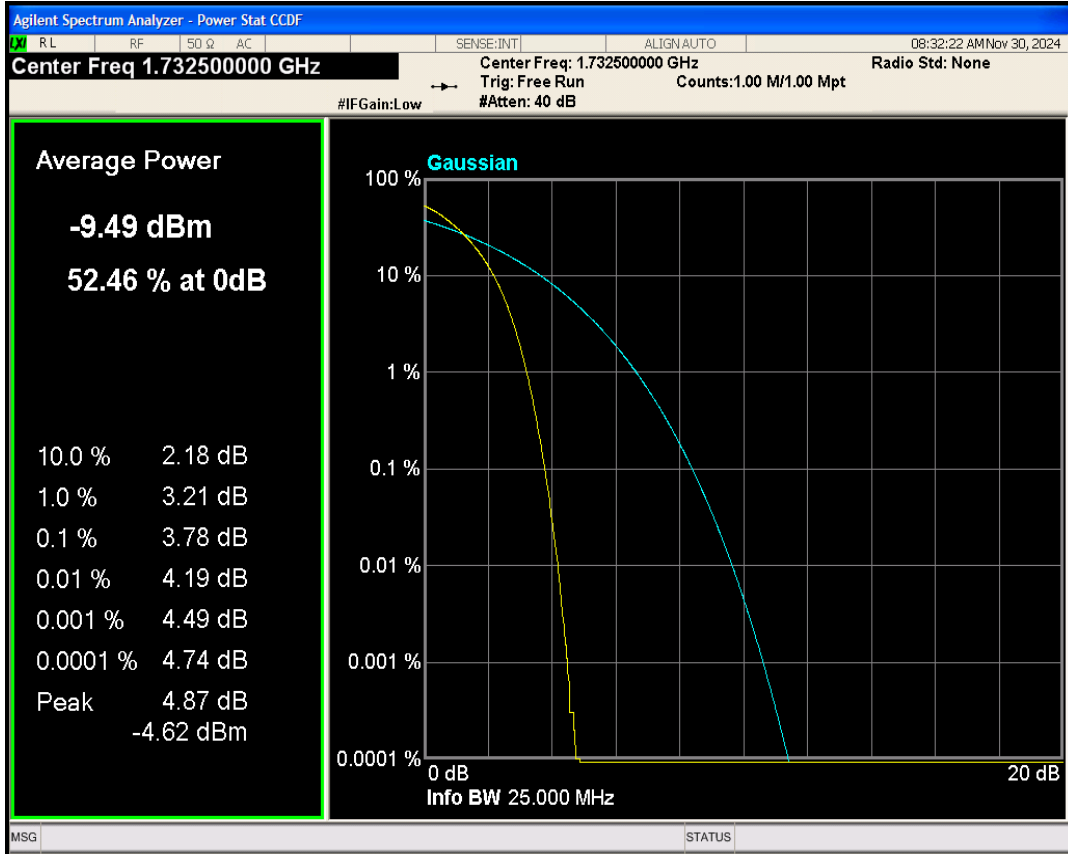
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



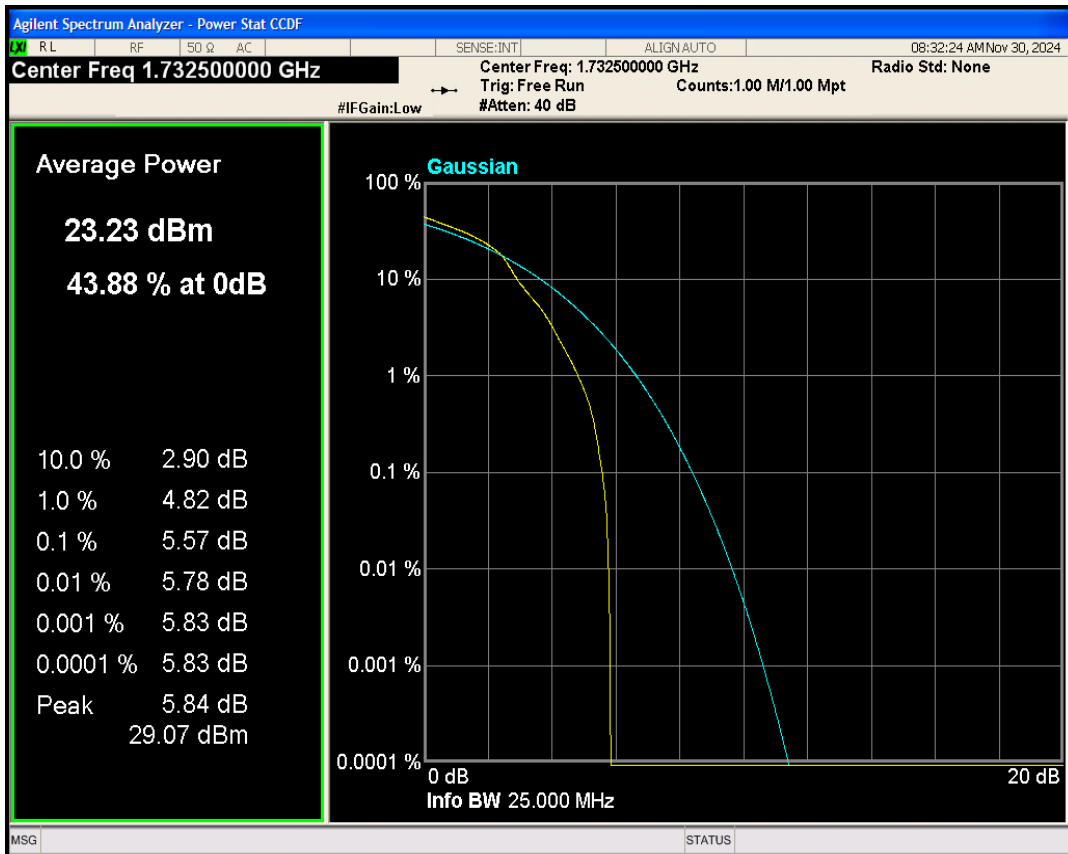
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



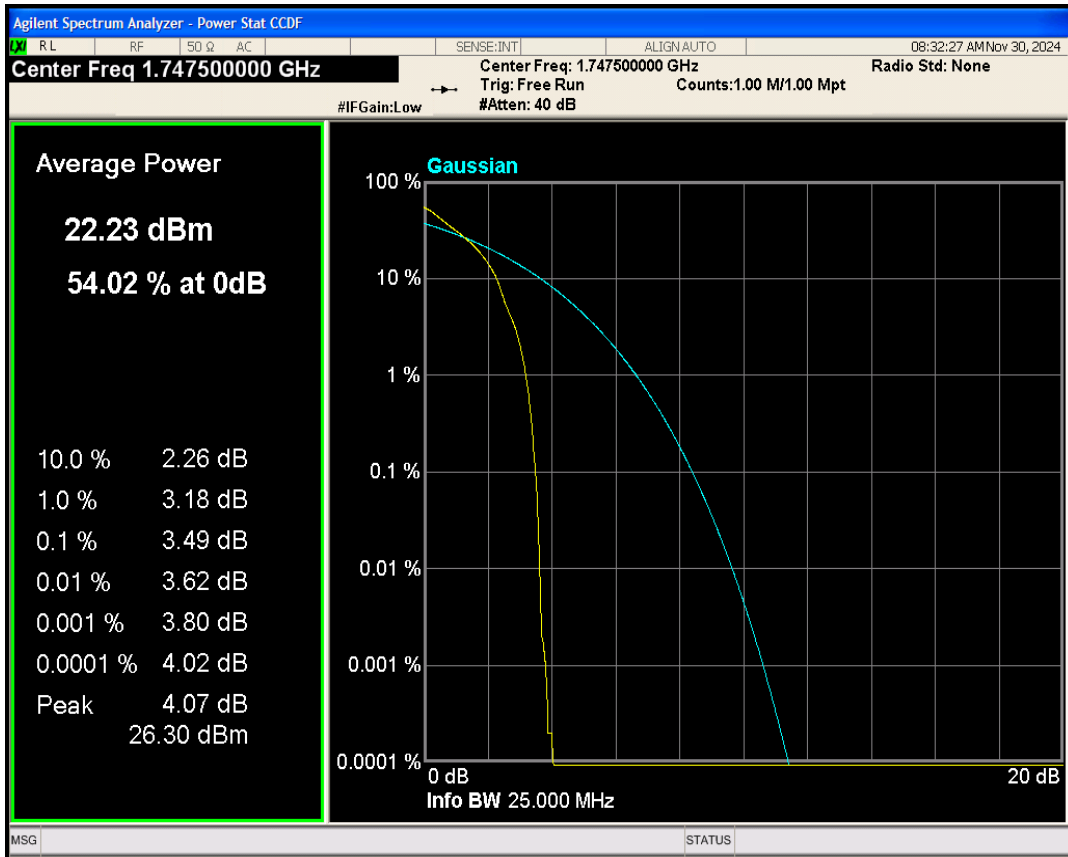
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



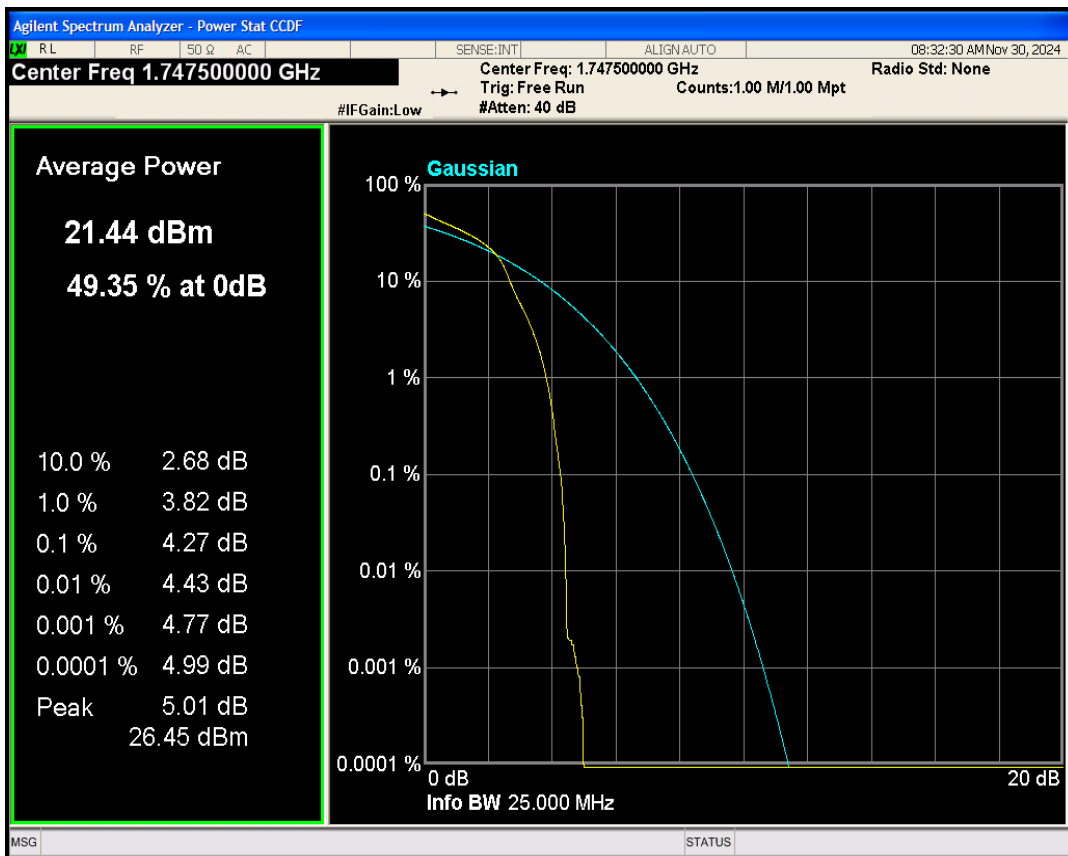
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



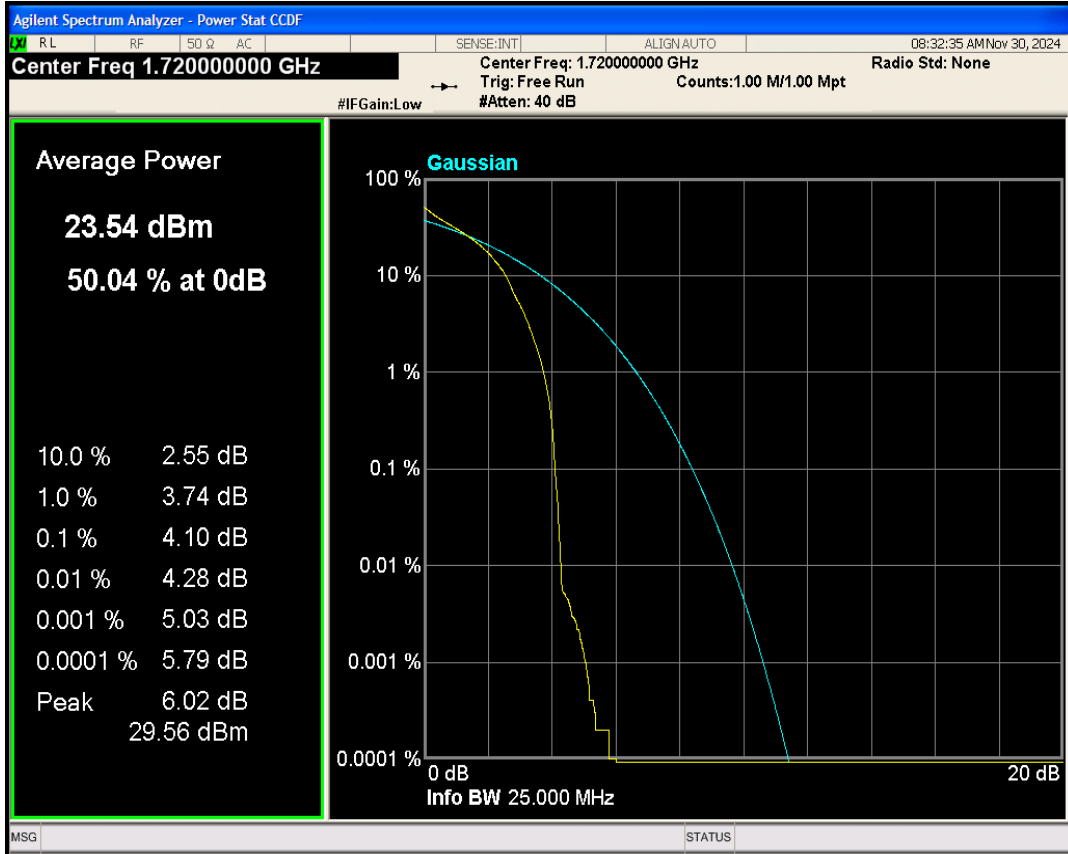
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



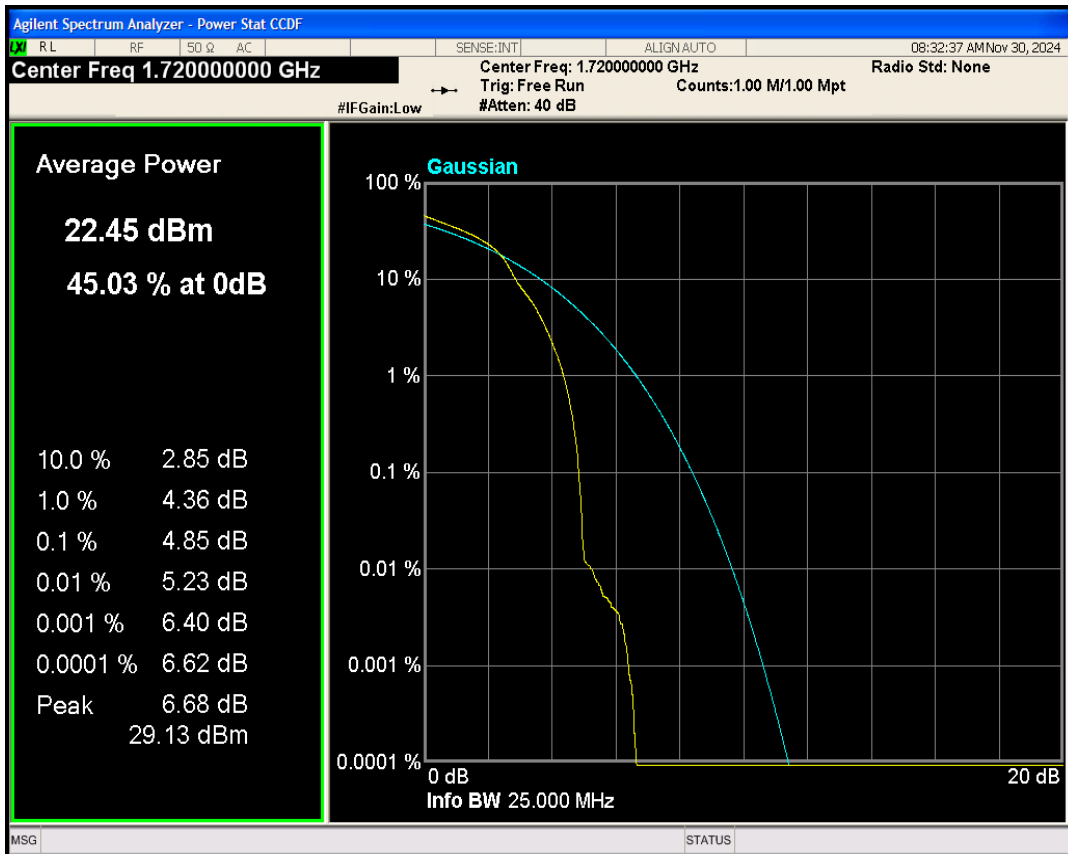
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



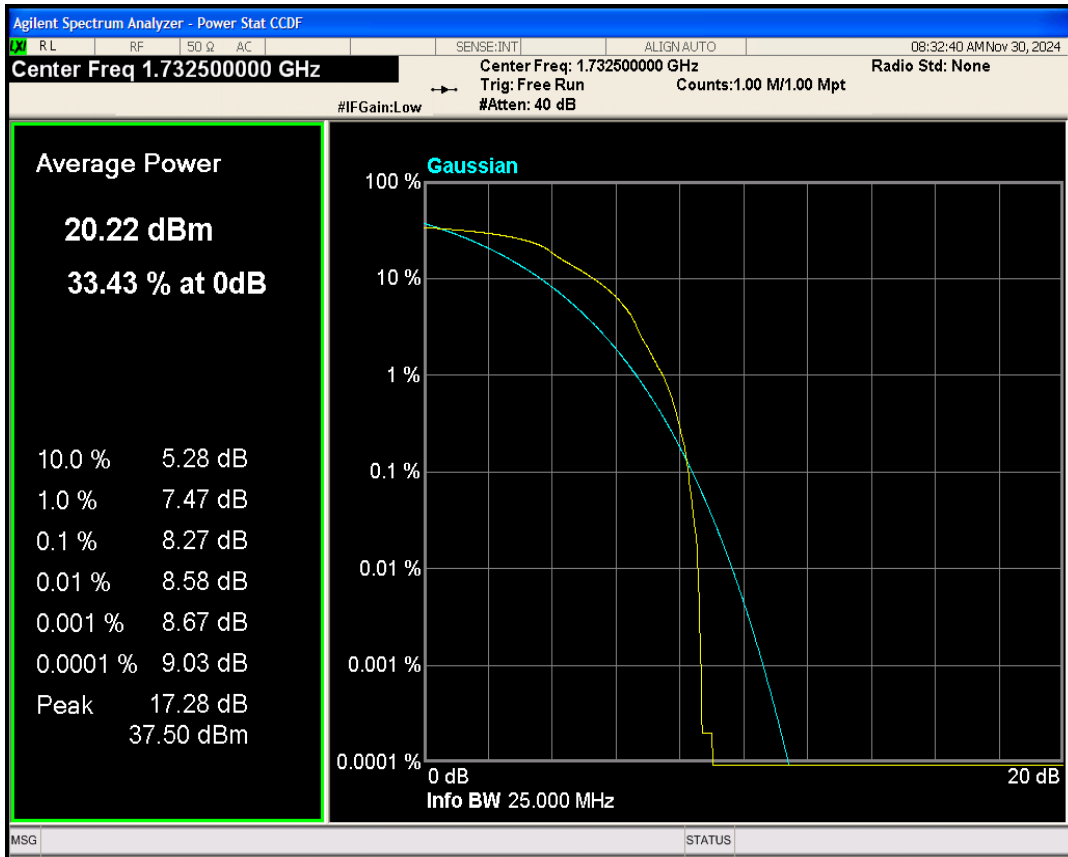
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



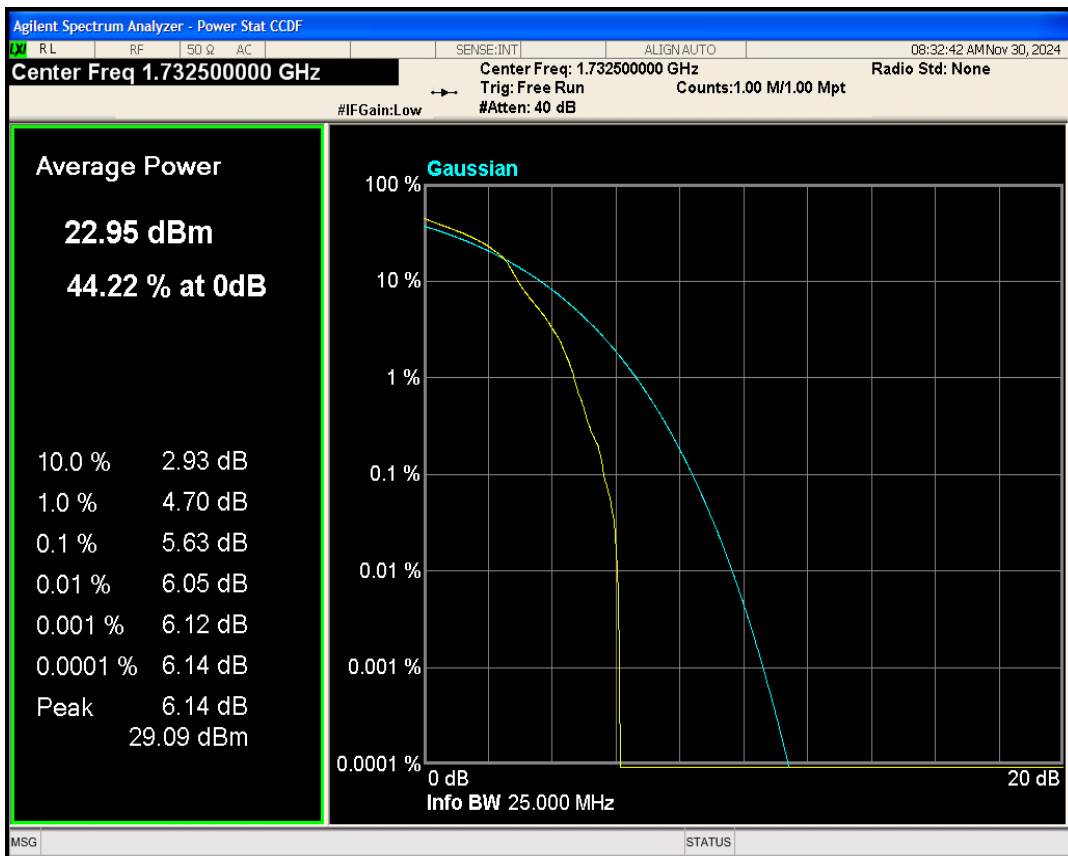
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



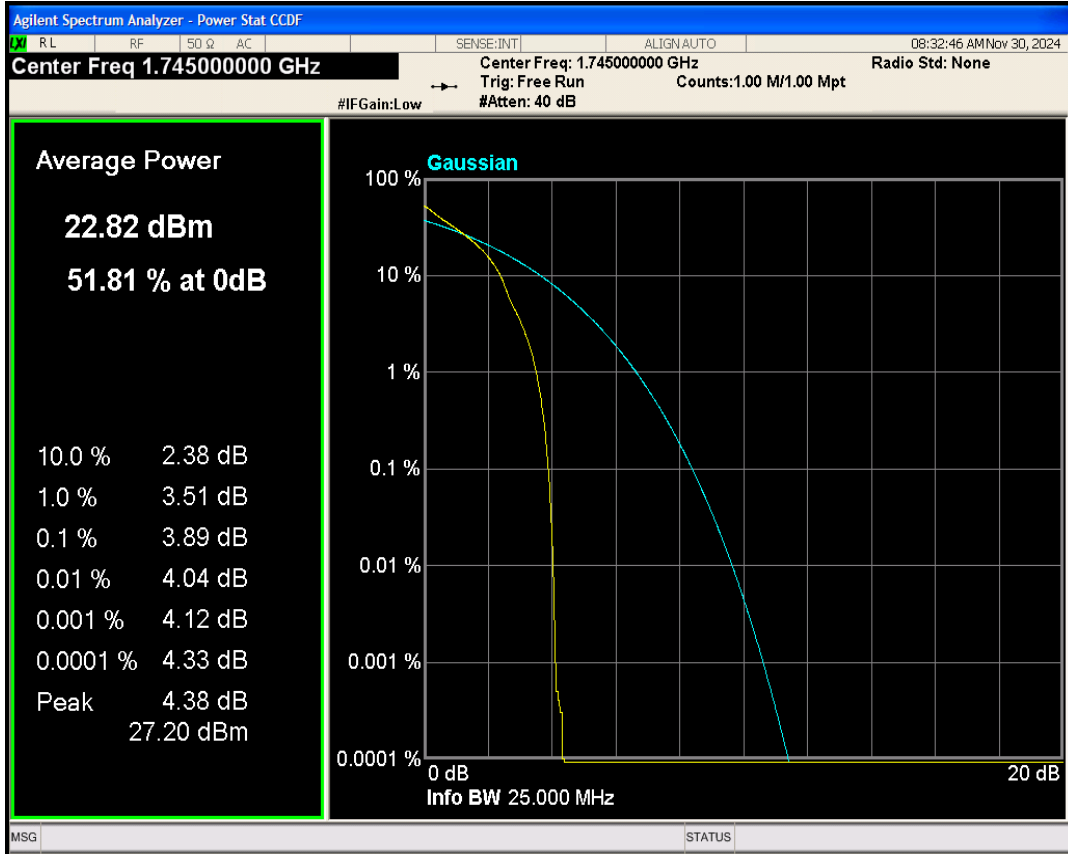
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



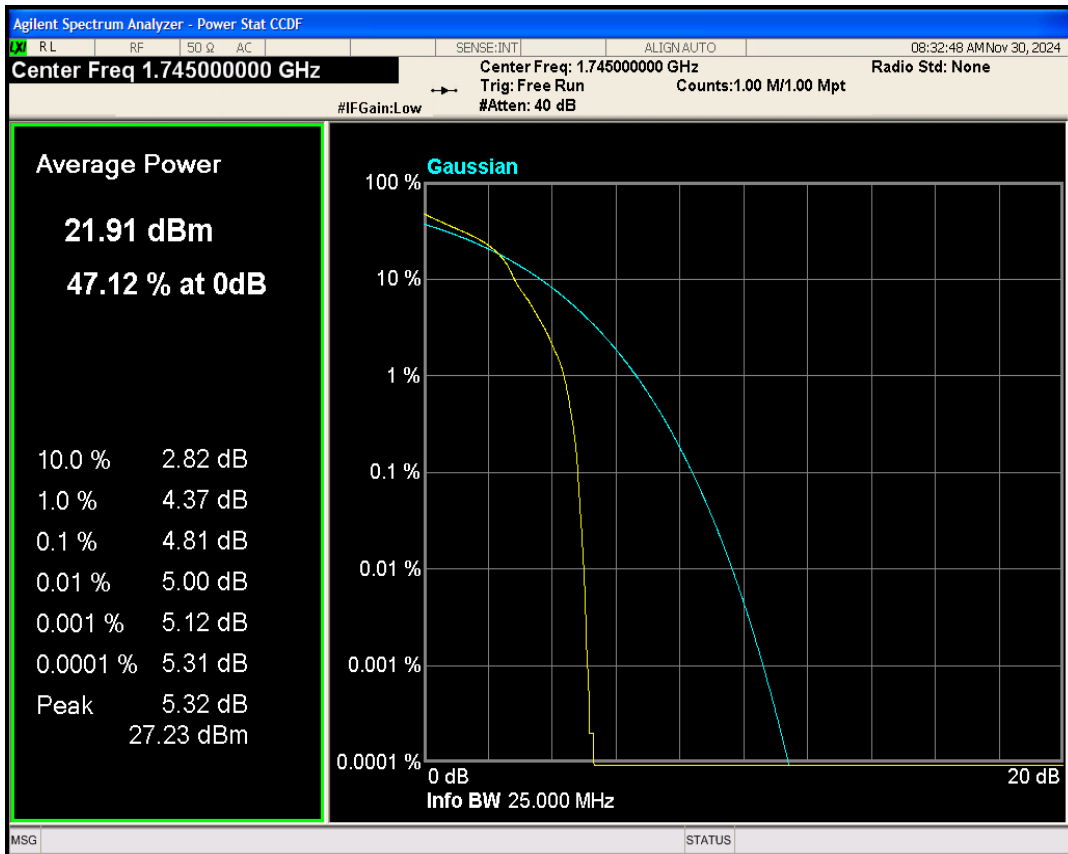
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



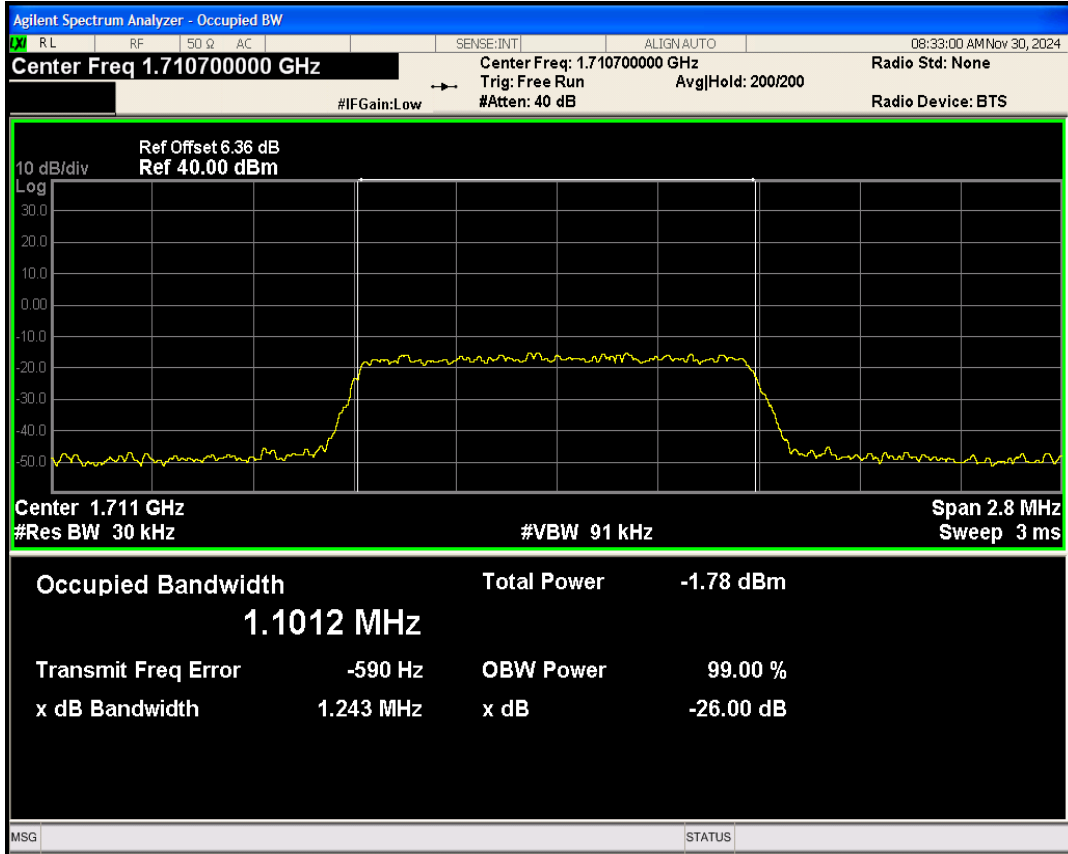
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



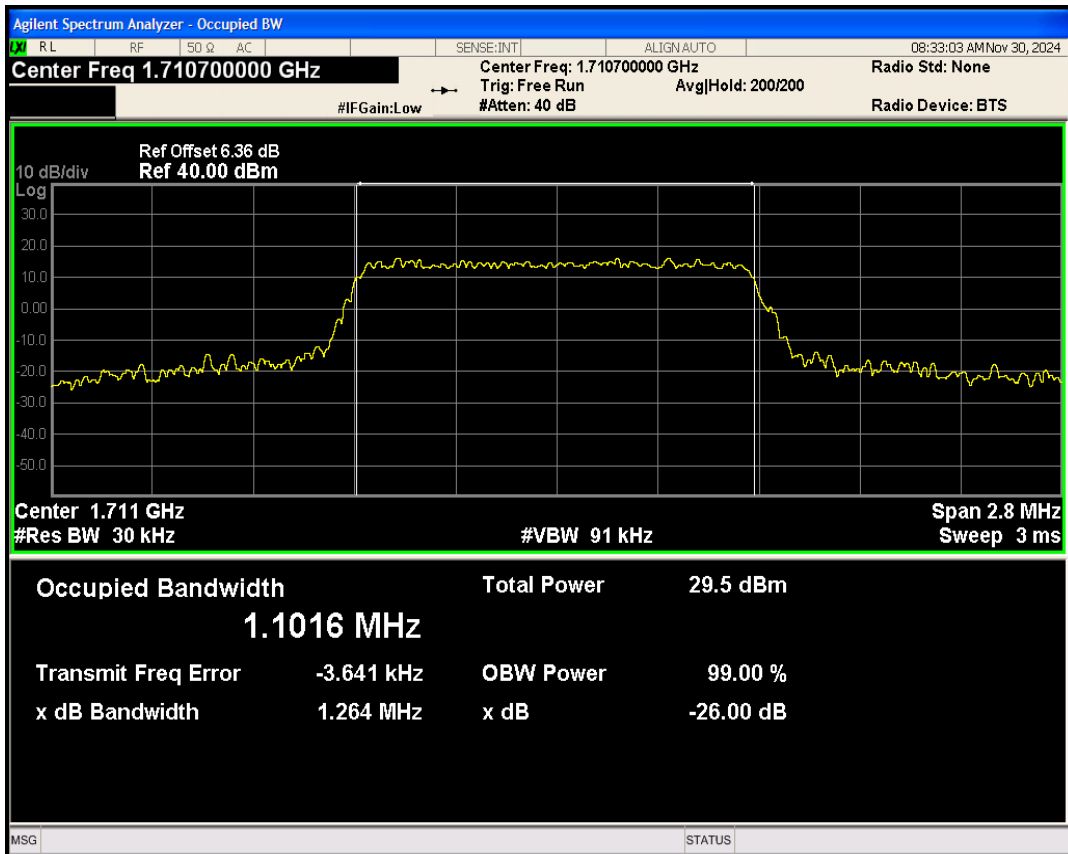
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.101	1.243	PASS
Band4	1.4	19957	6	#0	16QAM	1.102	1.264	PASS
Band4	1.4	20175	6	#0	QPSK	1.099	1.249	PASS
Band4	1.4	20175	6	#0	16QAM	1.097	1.249	PASS
Band4	1.4	20393	6	#0	QPSK	1.097	1.244	PASS
Band4	1.4	20393	6	#0	16QAM	1.097	1.245	PASS
Band4	3	19965	15	#0	QPSK	2.723	3.050	PASS
Band4	3	19965	15	#0	16QAM	2.705	3.041	PASS
Band4	3	20175	15	#0	QPSK	2.716	3.041	PASS
Band4	3	20175	15	#0	16QAM	2.706	3.049	PASS
Band4	3	20385	15	#0	QPSK	2.709	3.042	PASS
Band4	3	20385	15	#0	16QAM	2.711	3.013	PASS
Band4	5	19975	25	#0	QPSK	4.515	4.950	PASS
Band4	5	19975	25	#0	16QAM	4.515	4.925	PASS
Band4	5	20175	25	#0	QPSK	4.516	4.969	PASS
Band4	5	20175	25	#0	16QAM	4.499	4.972	PASS
Band4	5	20375	25	#0	QPSK	4.501	4.935	PASS
Band4	5	20375	25	#0	16QAM	4.538	4.941	PASS
Band4	10	20000	50	#0	QPSK	9.003	9.760	PASS
Band4	10	20000	50	#0	16QAM	9.010	9.911	PASS
Band4	10	20175	50	#0	QPSK	8.998	9.796	PASS
Band4	10	20175	50	#0	16QAM	9.013	9.800	PASS
Band4	10	20350	50	#0	QPSK	8.979	9.850	PASS
Band4	10	20350	50	#0	16QAM	9.007	9.756	PASS
Band4	15	20025	75	#0	QPSK	13.510	14.854	PASS
Band4	15	20025	75	#0	16QAM	13.483	14.798	PASS
Band4	15	20175	75	#0	QPSK	13.459	14.862	PASS
Band4	15	20175	75	#0	16QAM	13.491	14.659	PASS
Band4	15	20325	75	#0	QPSK	13.504	14.856	PASS
Band4	15	20325	75	#0	16QAM	13.489	14.787	PASS
Band4	20	20050	100	#0	QPSK	18.000	19.588	PASS
Band4	20	20050	100	#0	16QAM	17.973	19.343	PASS
Band4	20	20175	100	#0	QPSK	17.974	19.669	PASS
Band4	20	20175	100	#0	16QAM	17.994	19.672	PASS
Band4	20	20300	100	#0	QPSK	18.029	19.674	PASS
Band4	20	20300	100	#0	16QAM	18.035	19.428	PASS

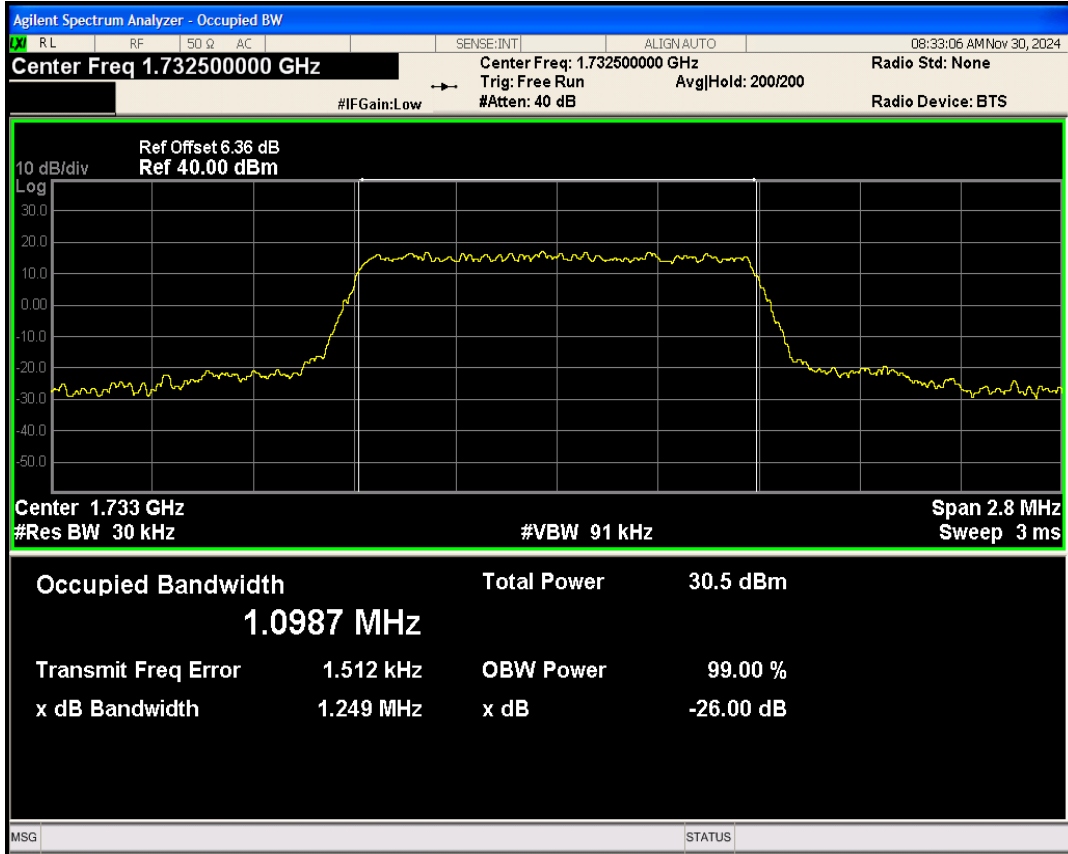
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



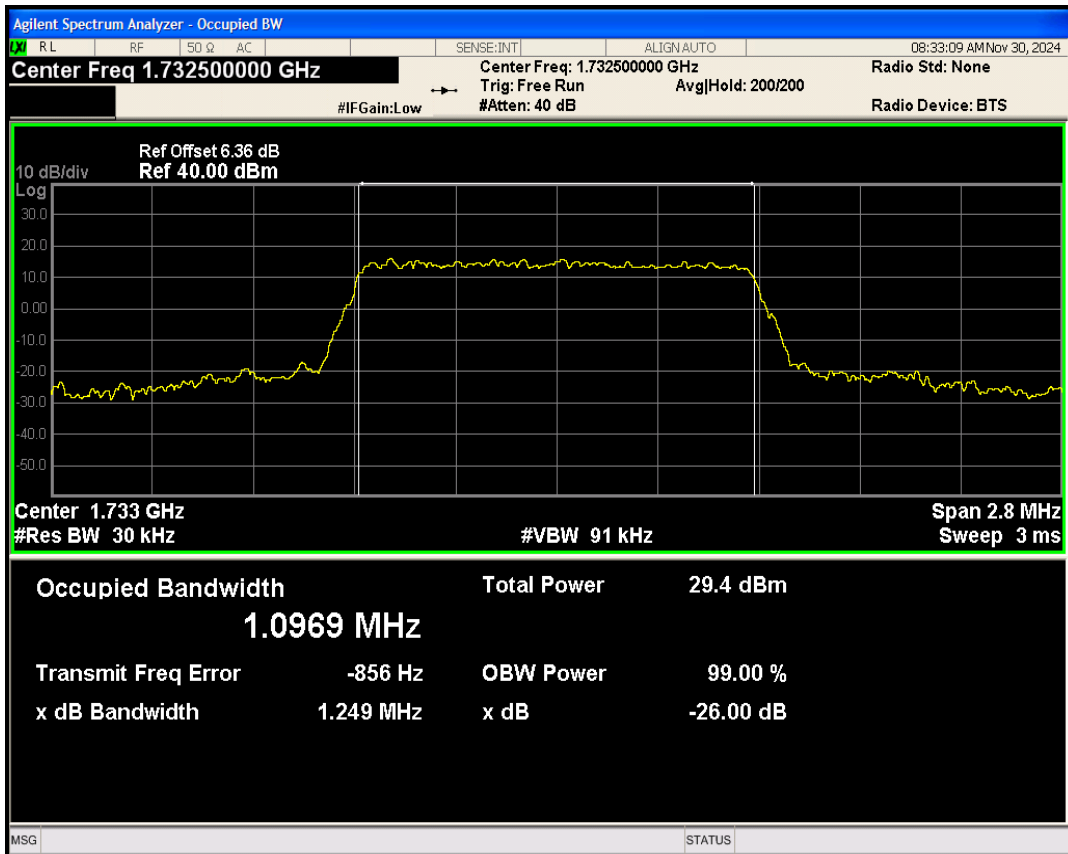
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



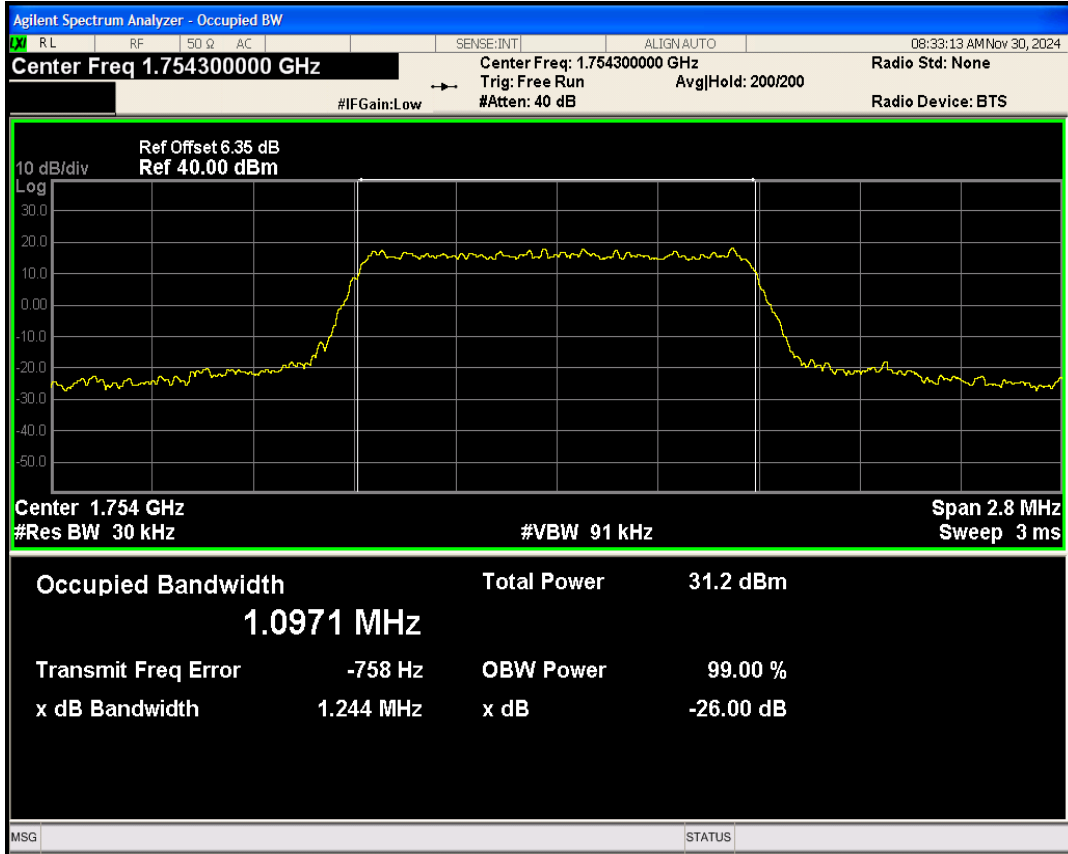
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



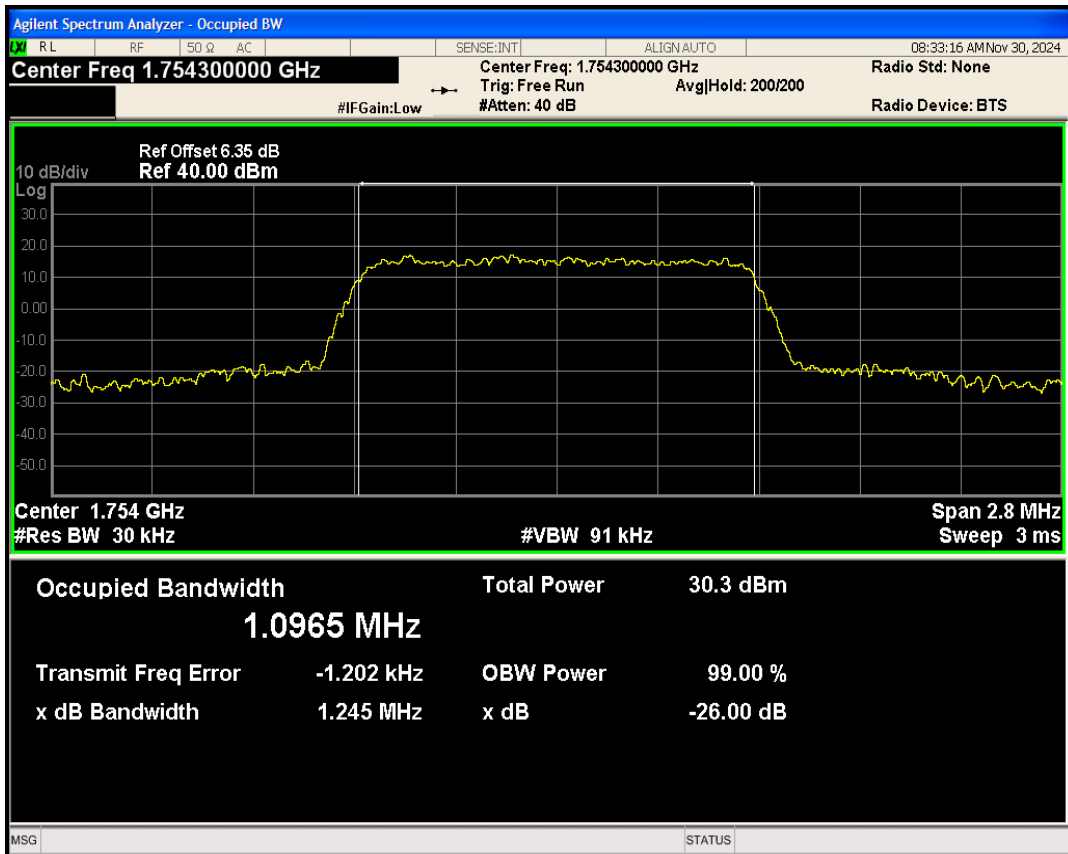
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



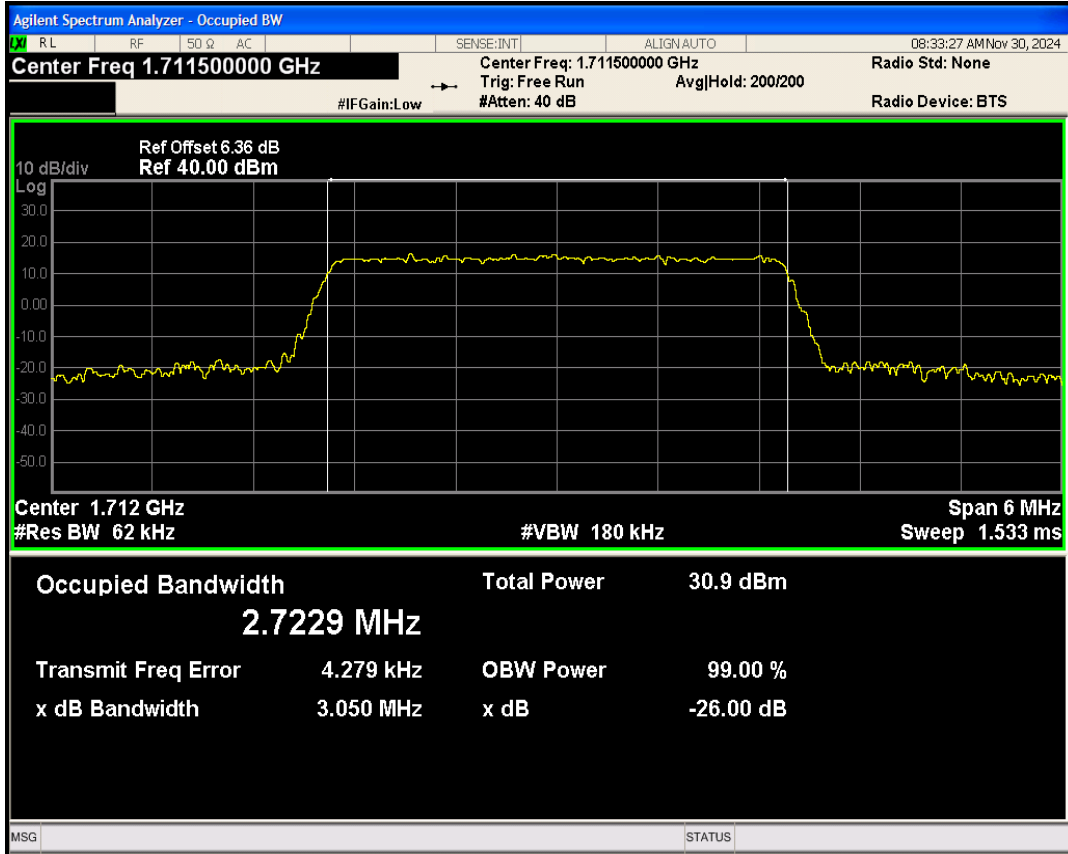
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



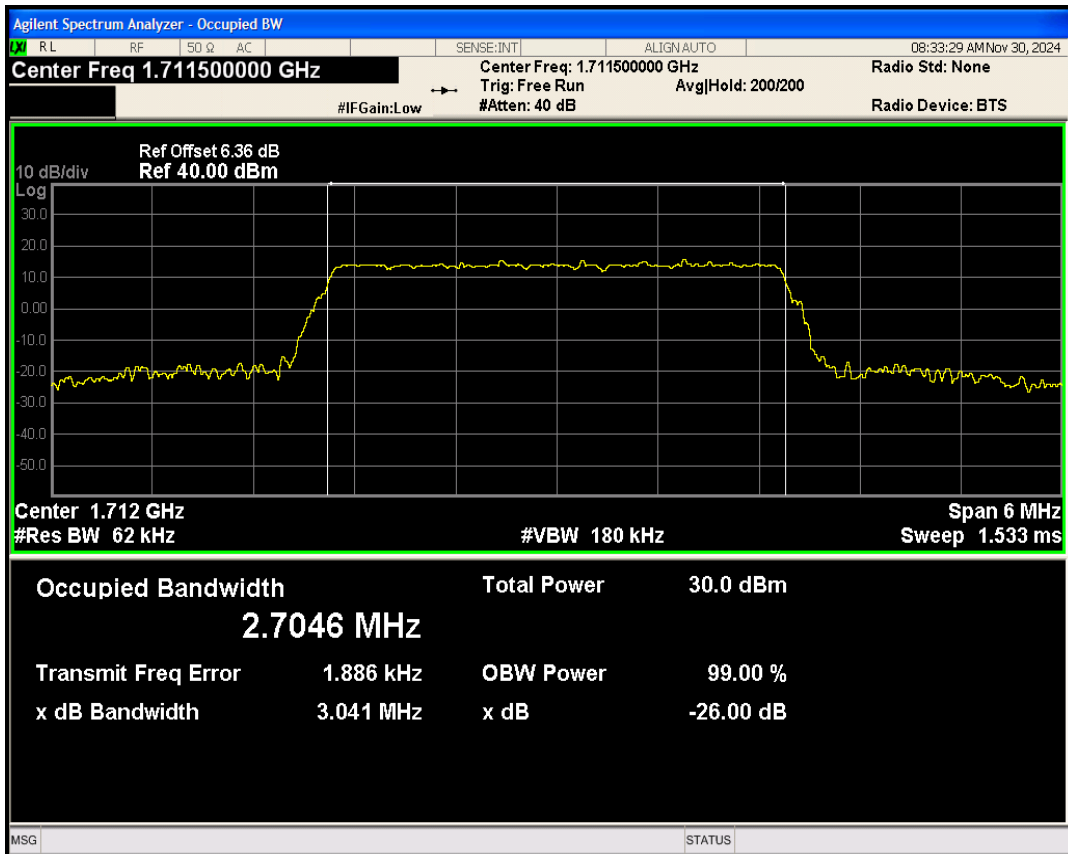
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



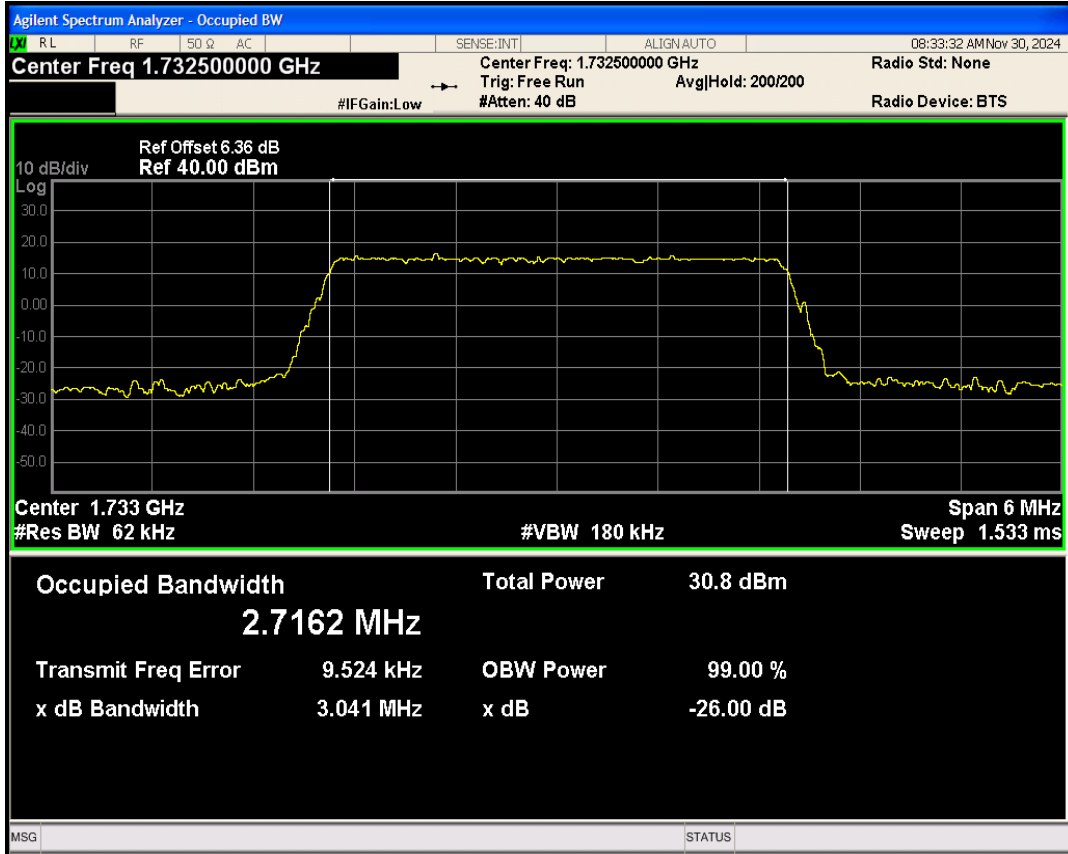
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



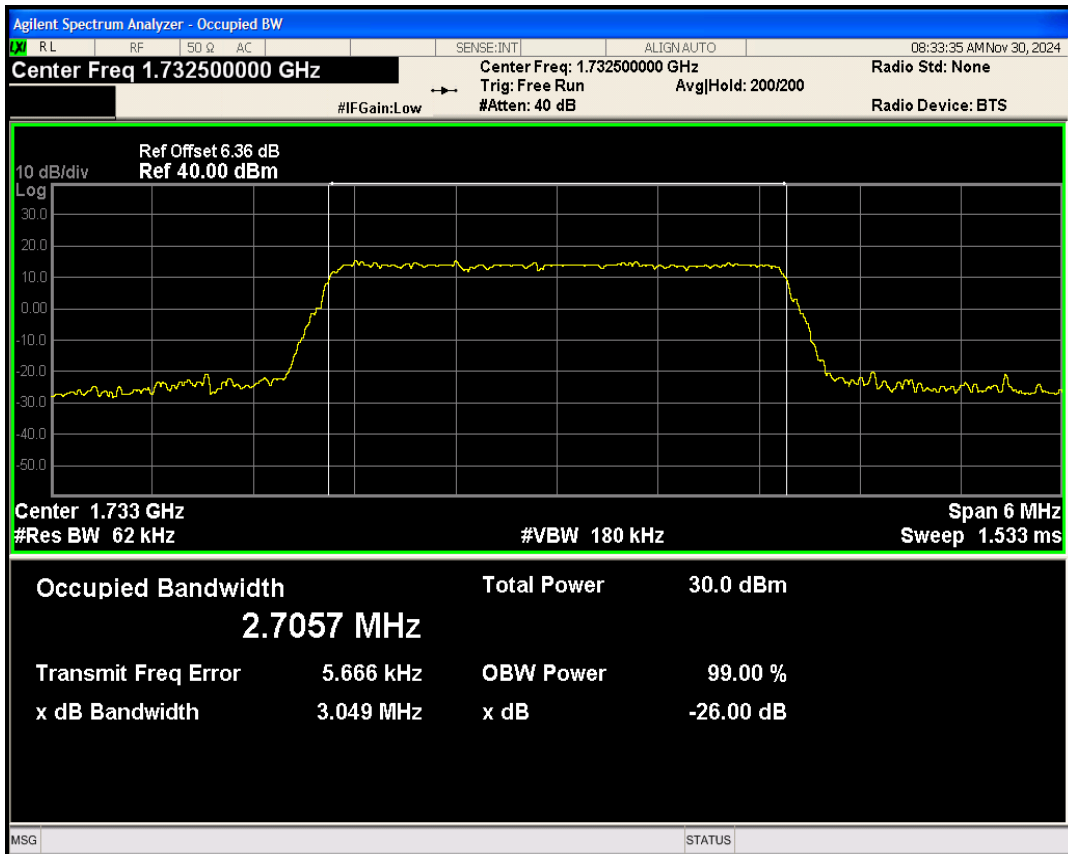
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



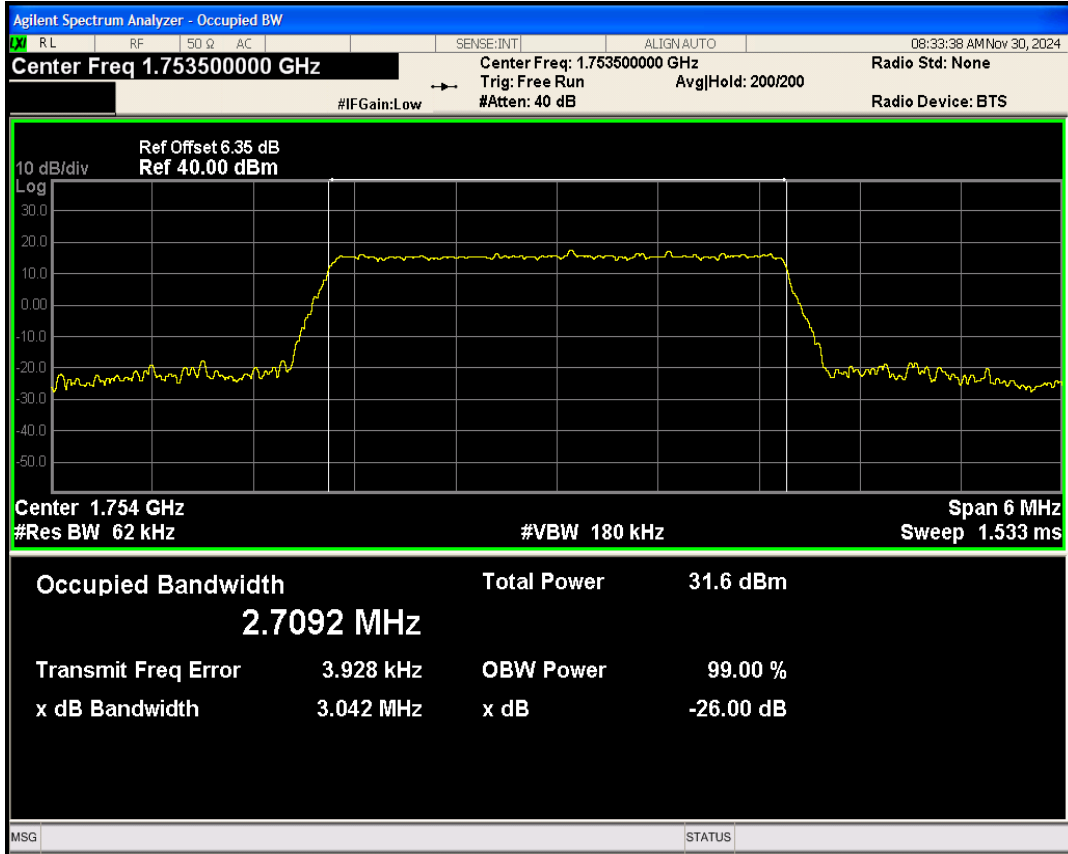
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



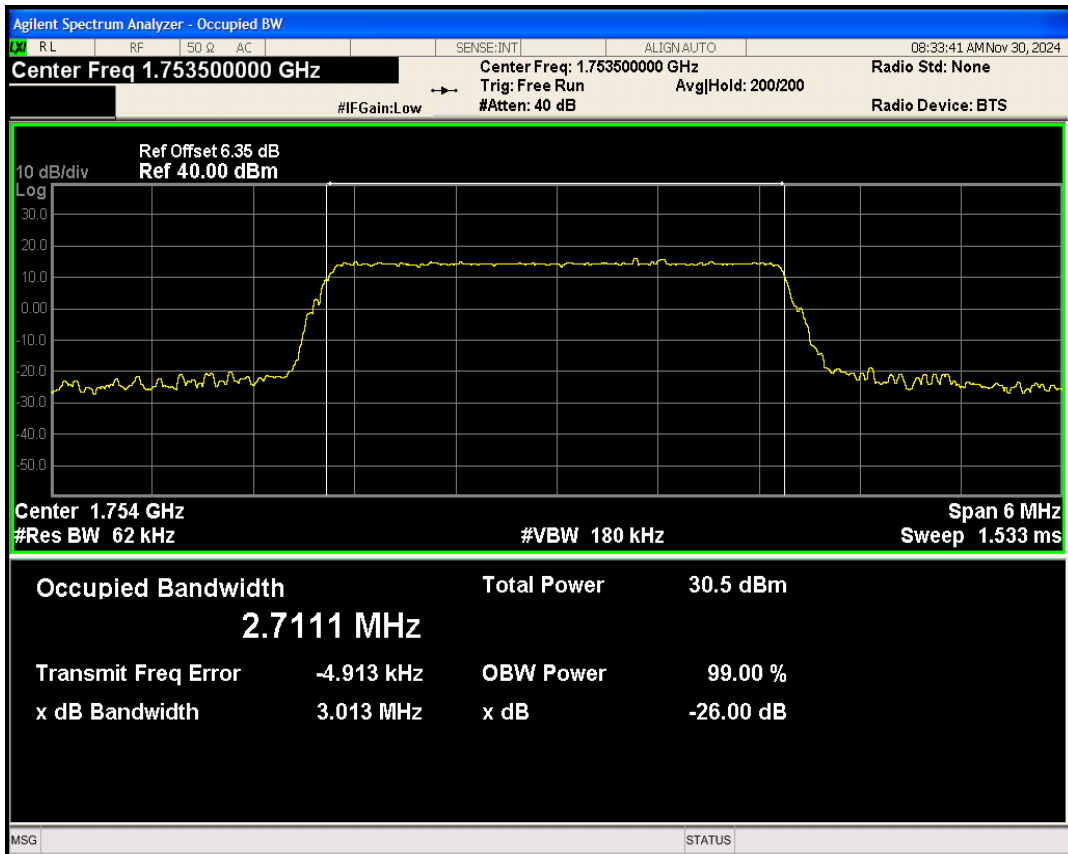
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



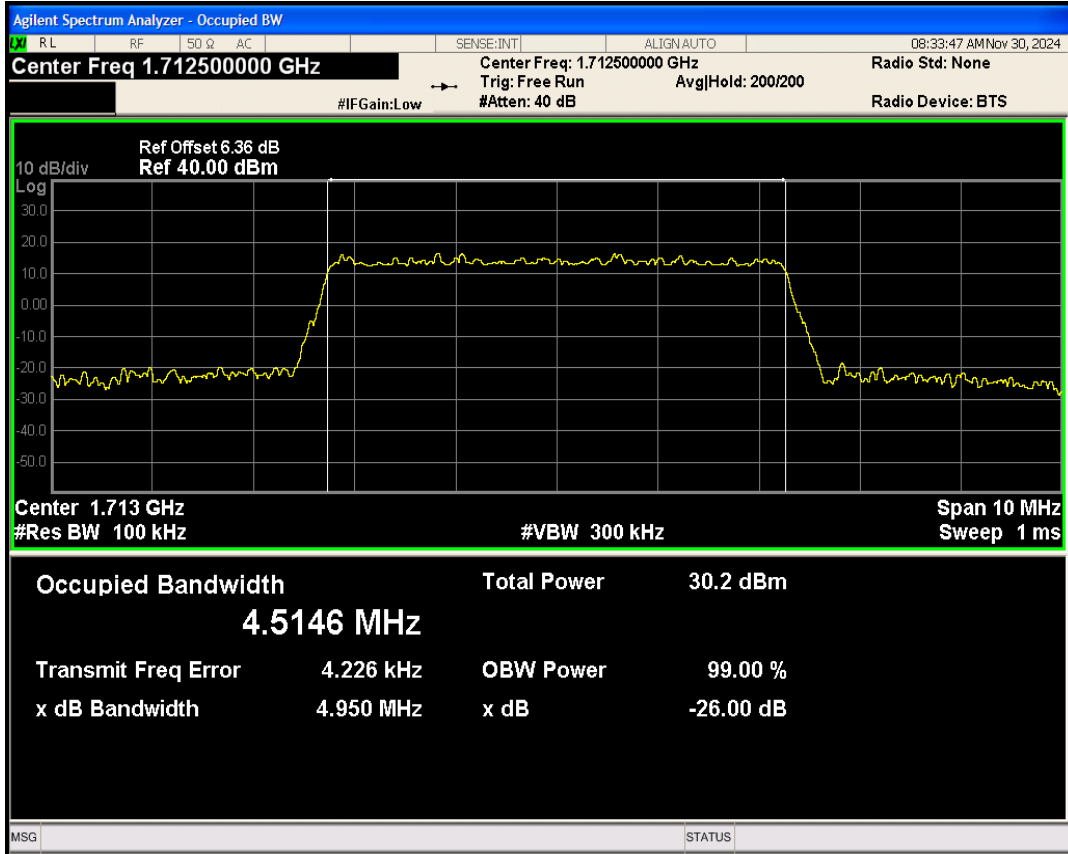
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



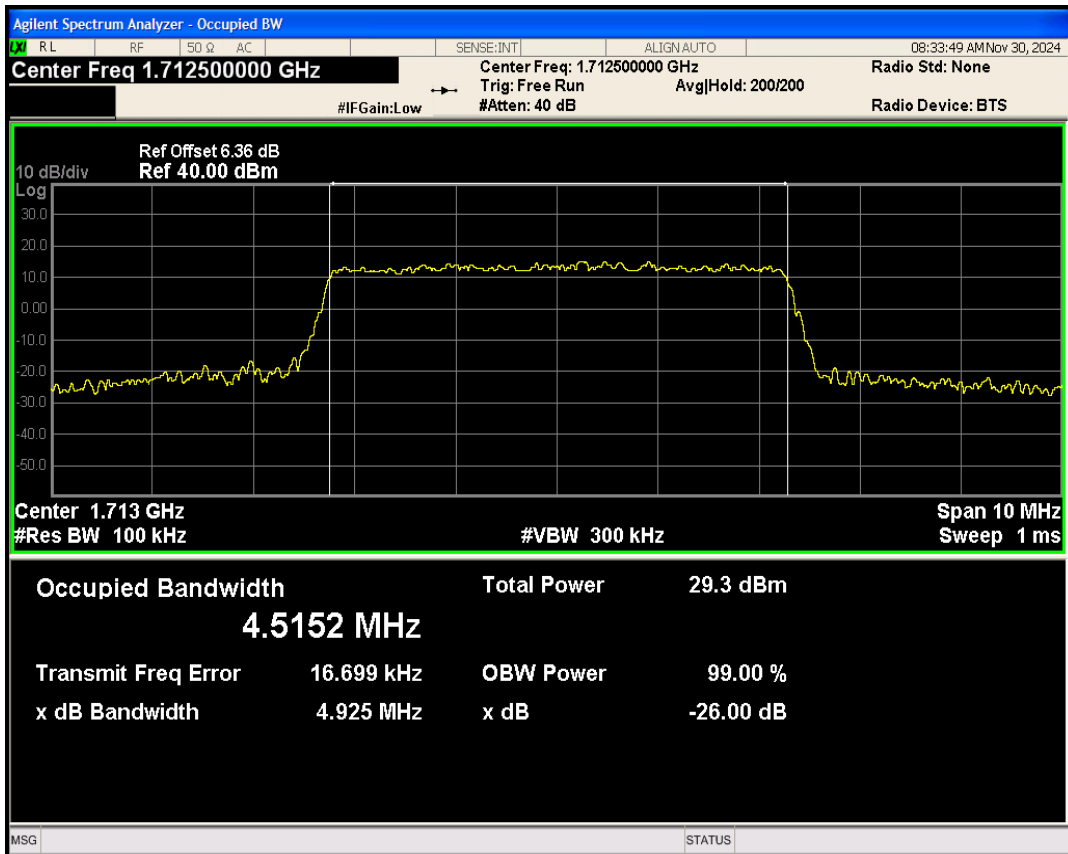
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



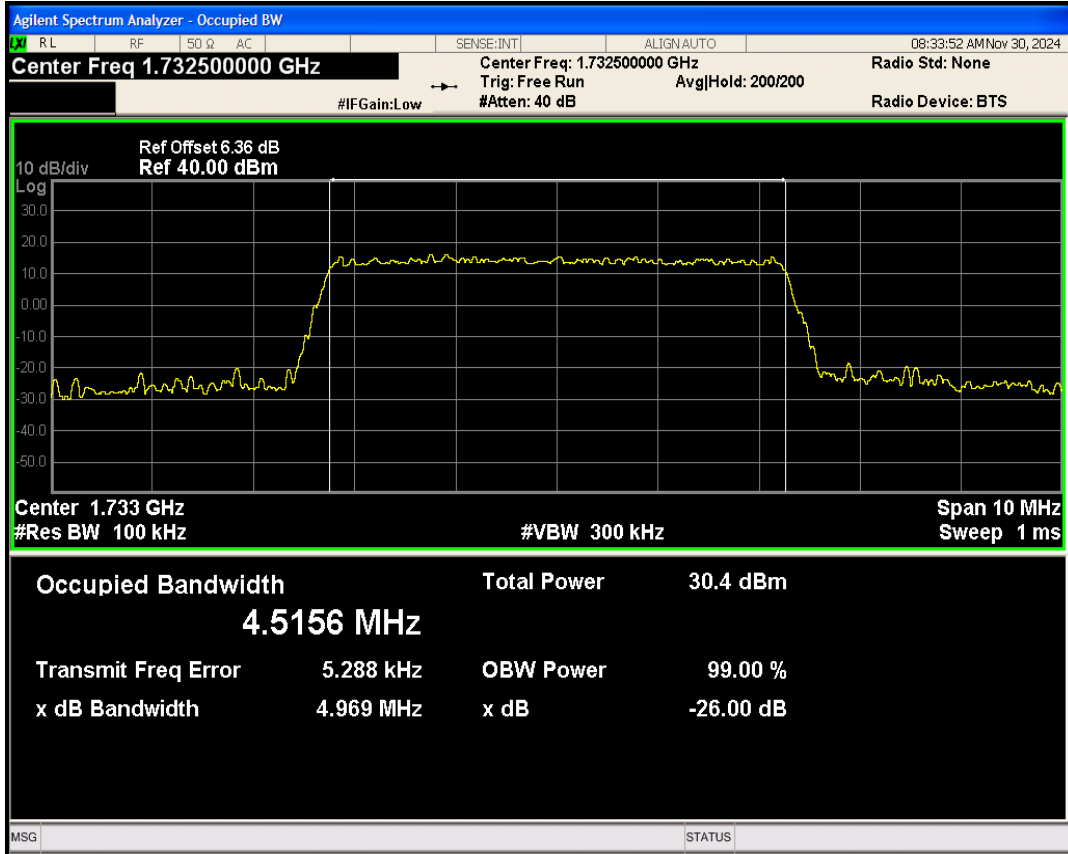
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



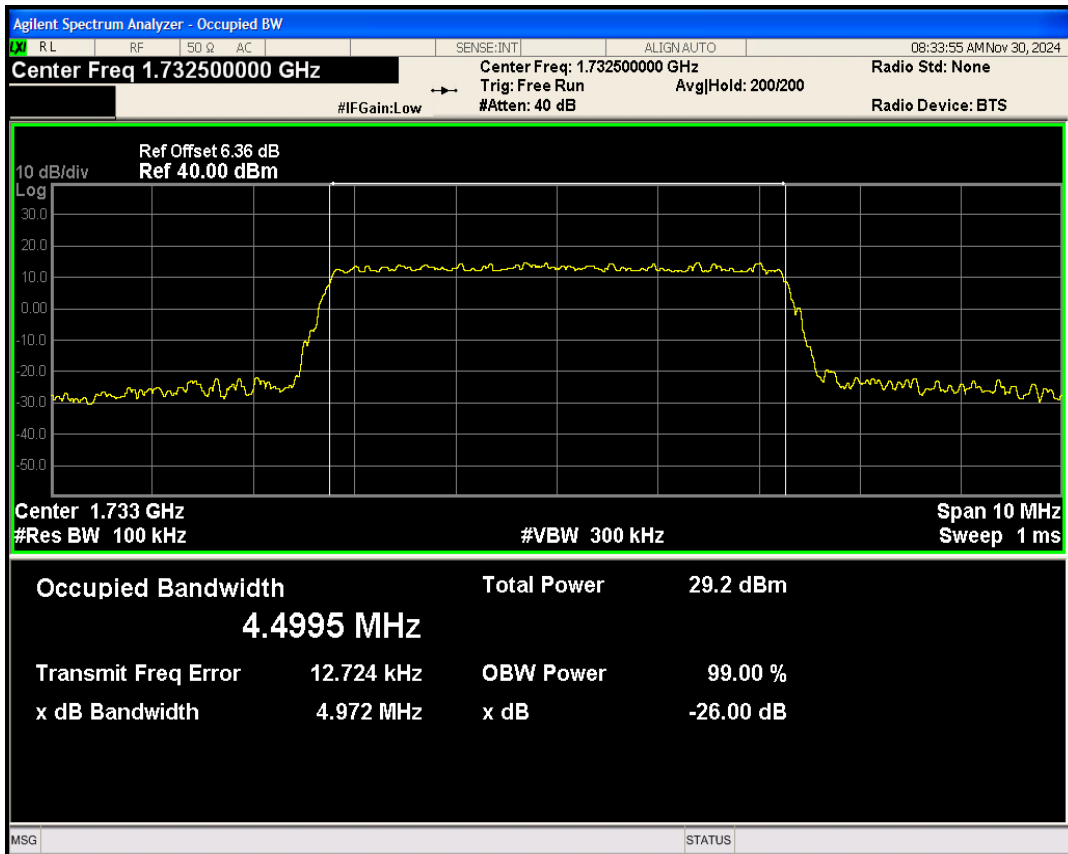
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



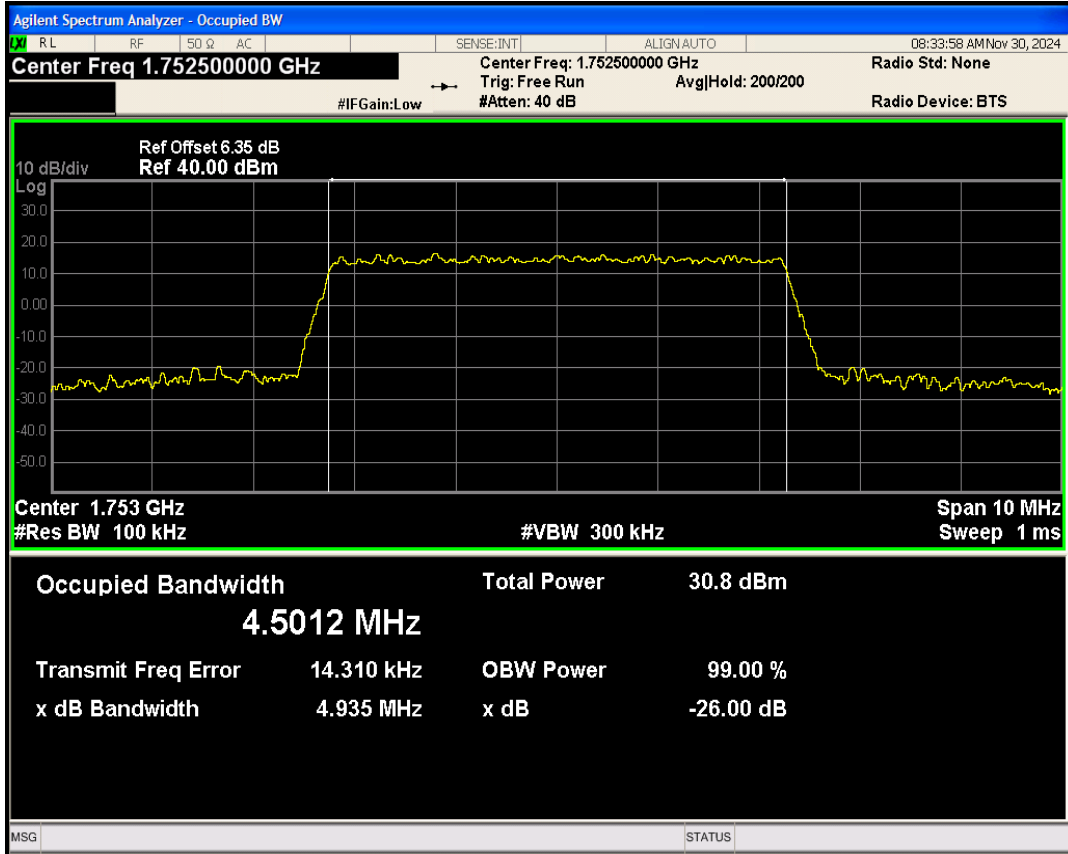
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



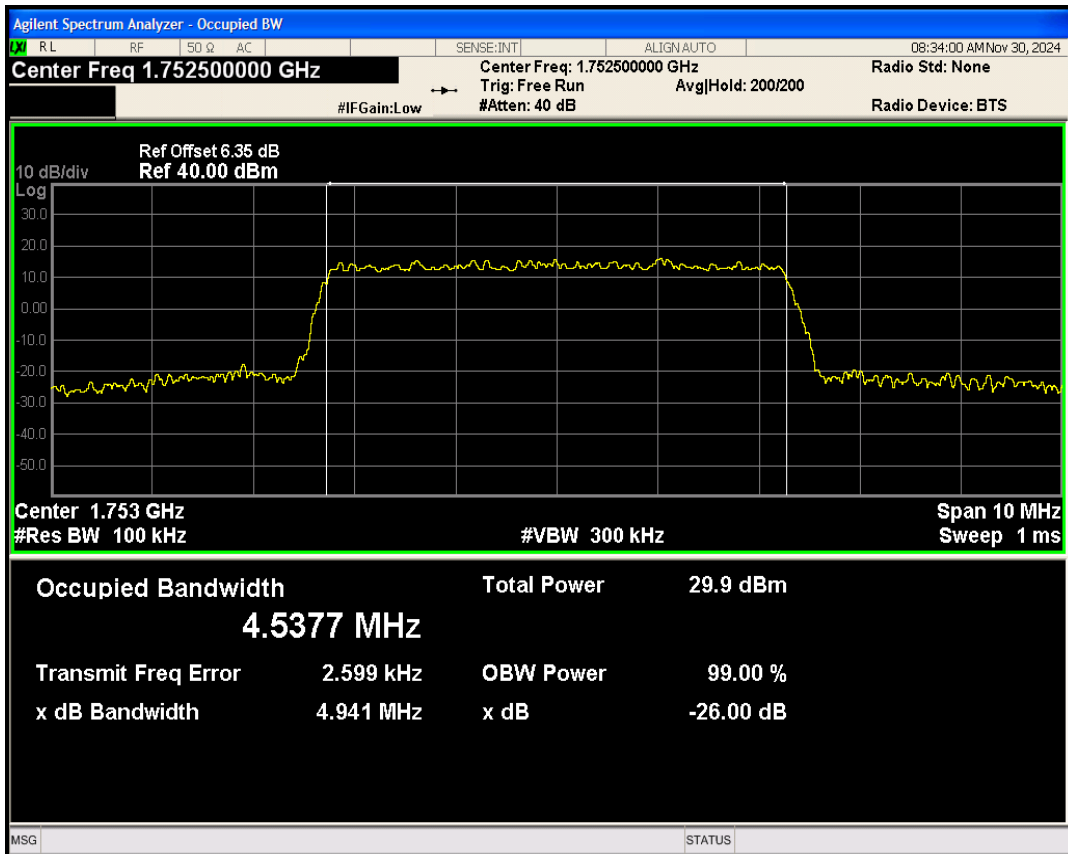
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



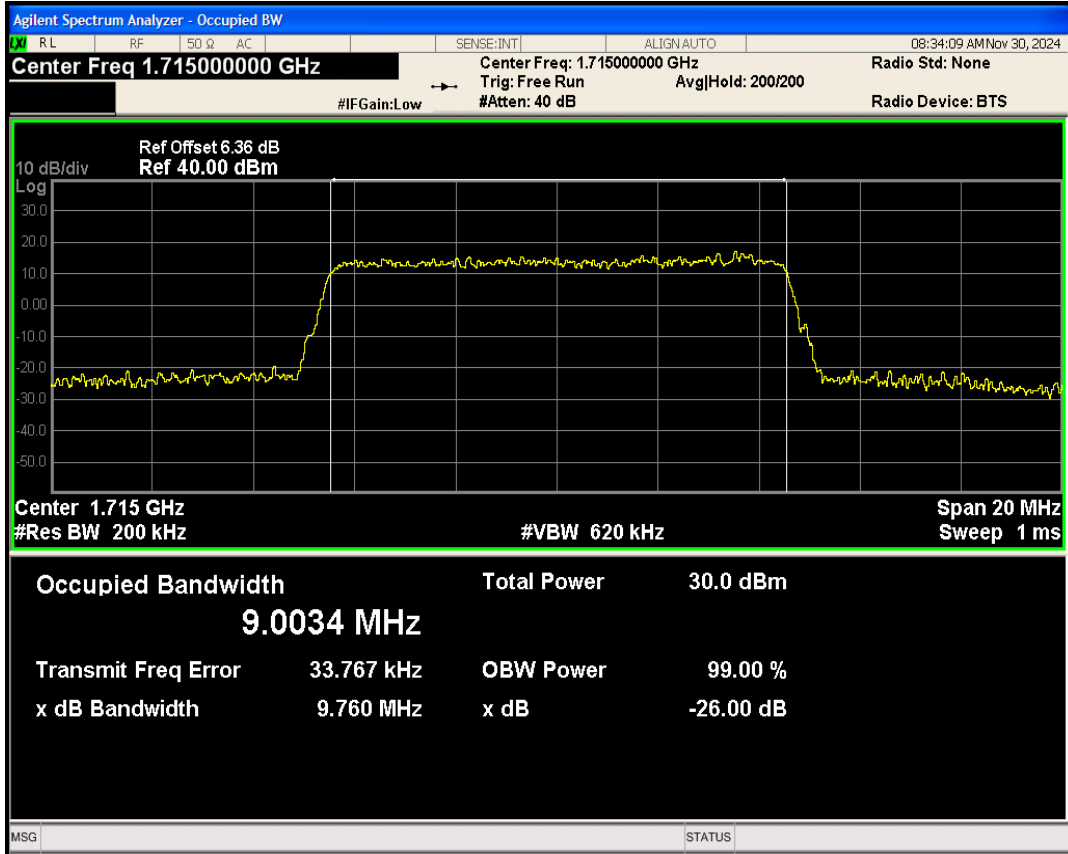
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



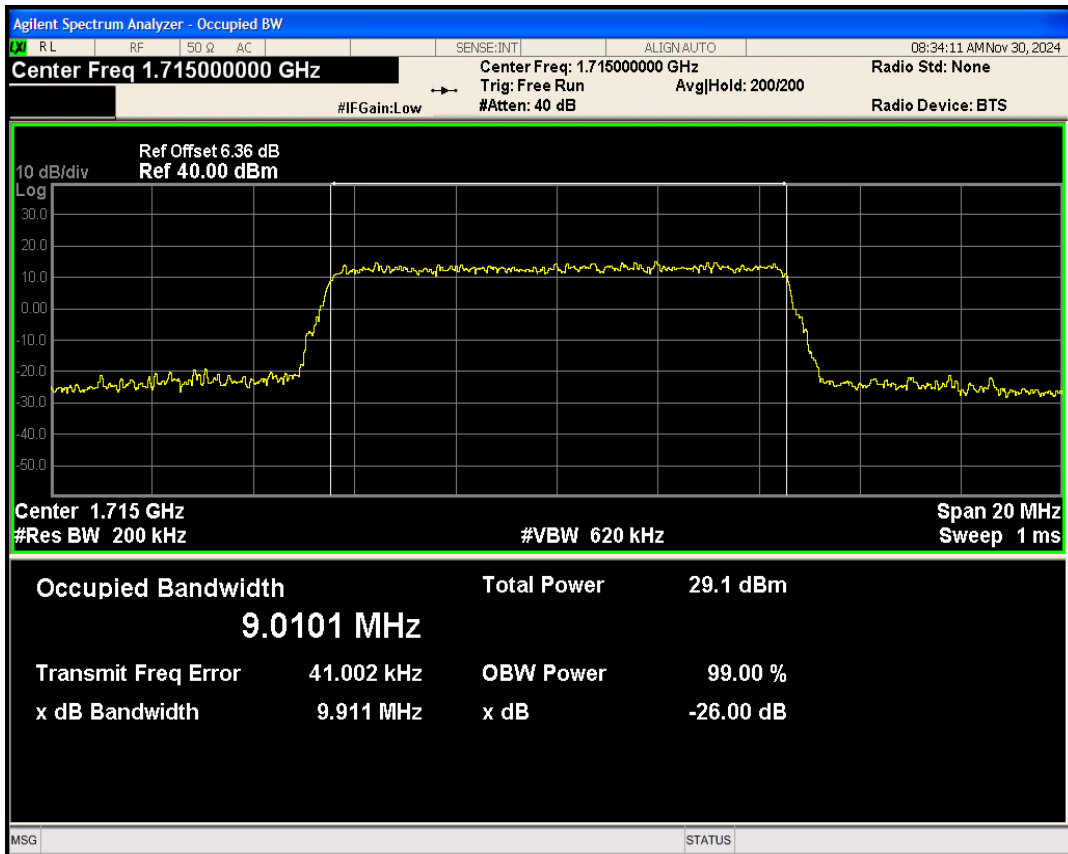
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



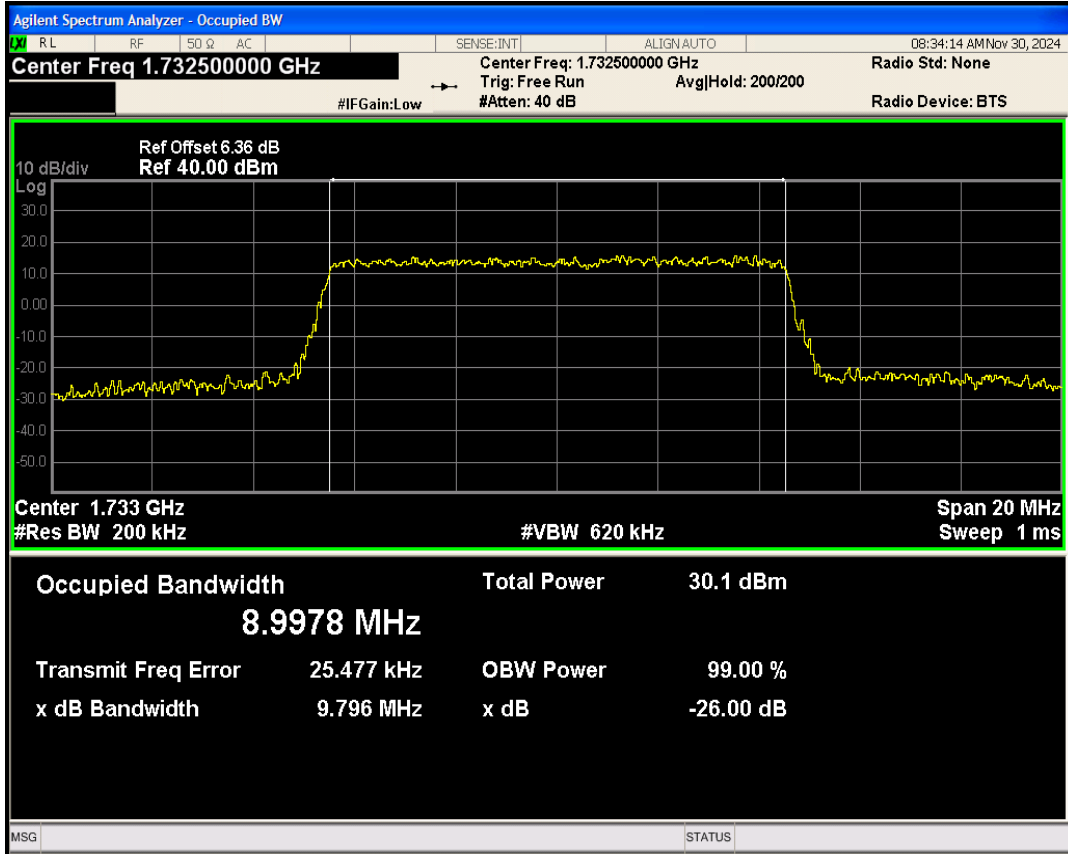
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



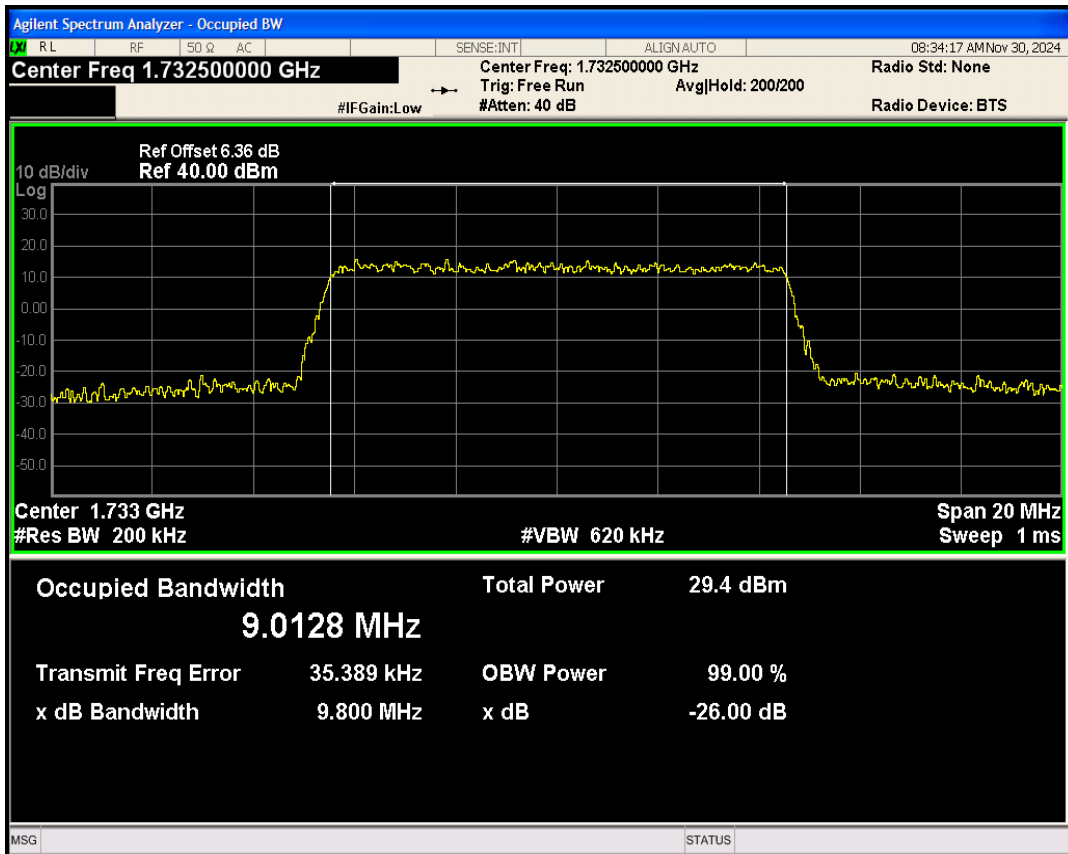
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



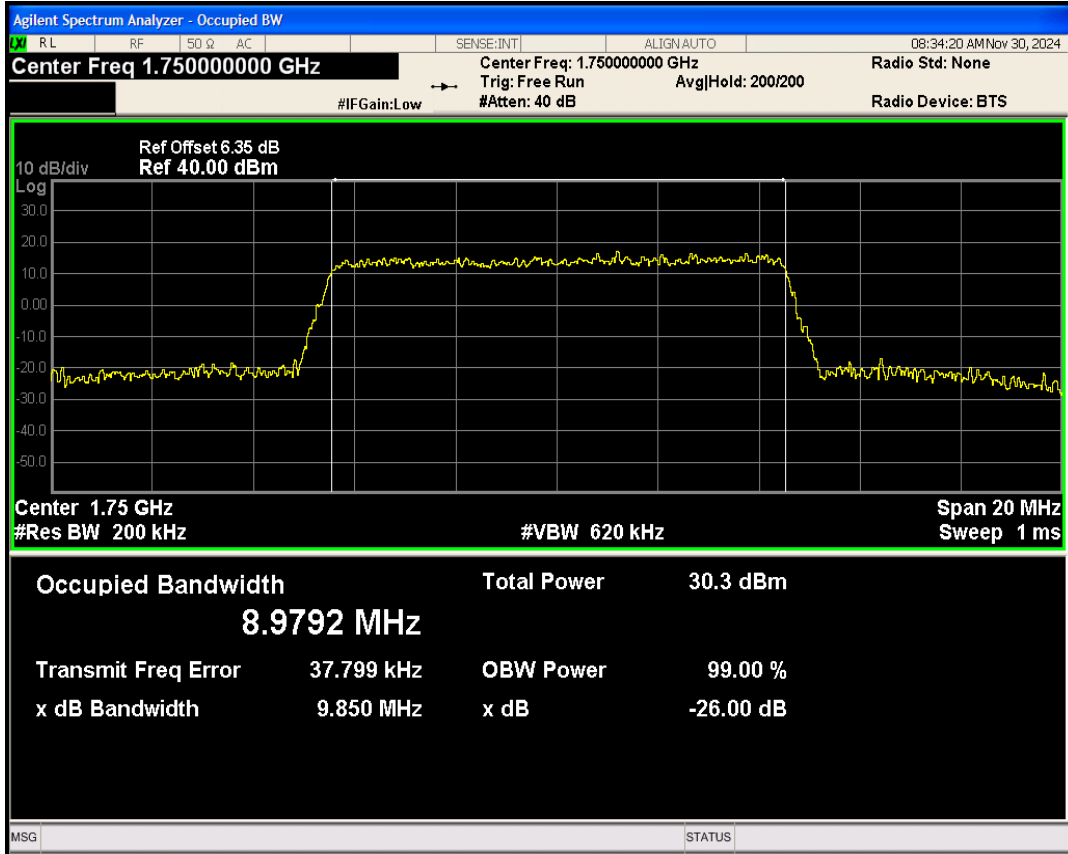
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



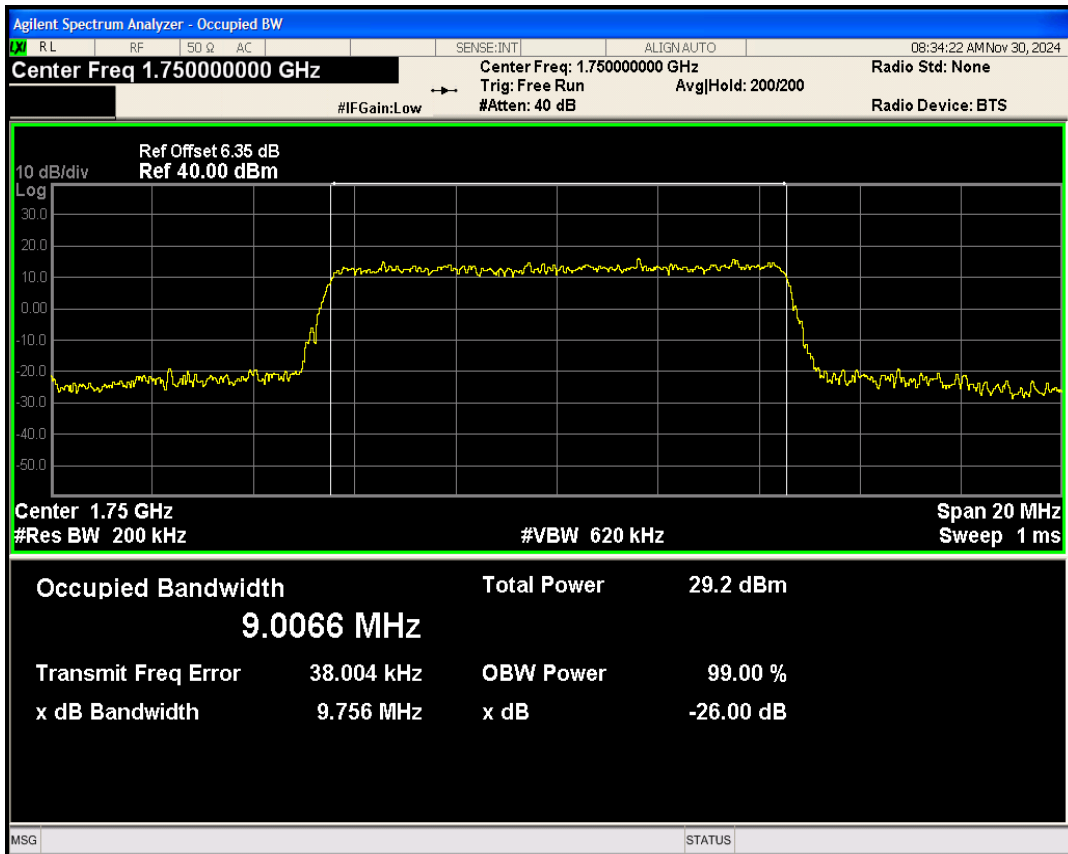
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



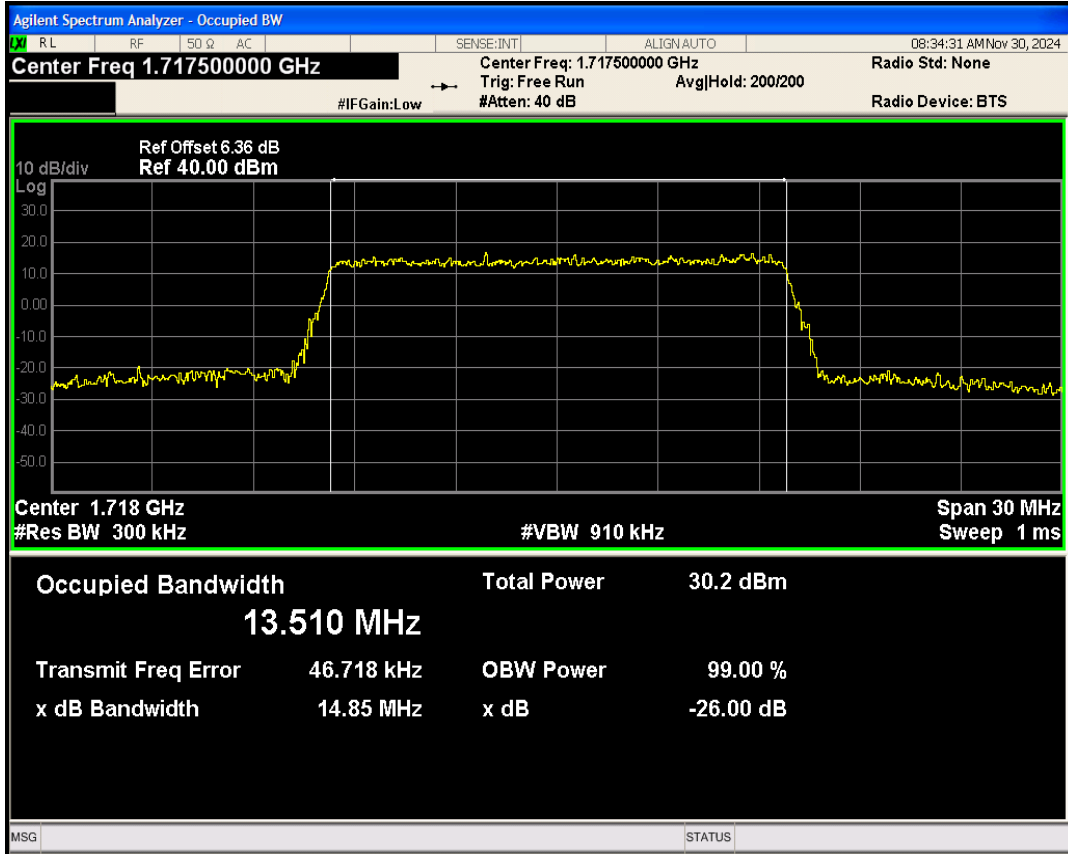
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



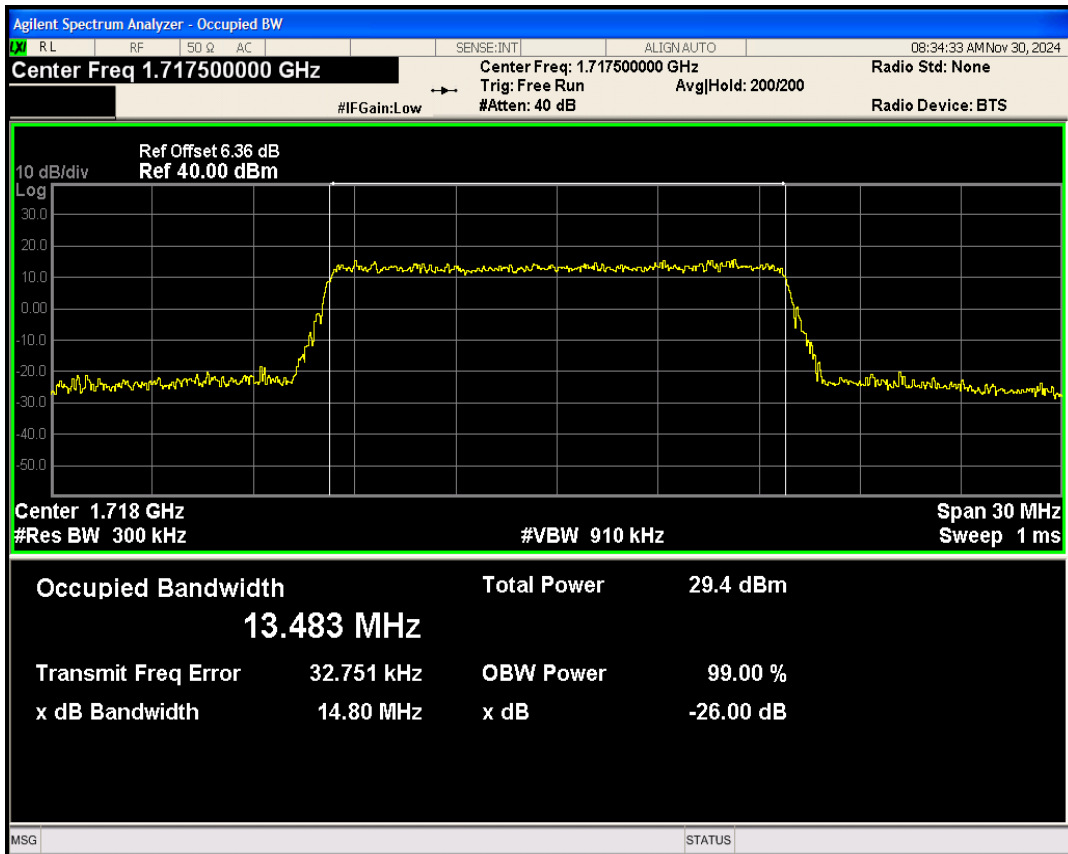
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



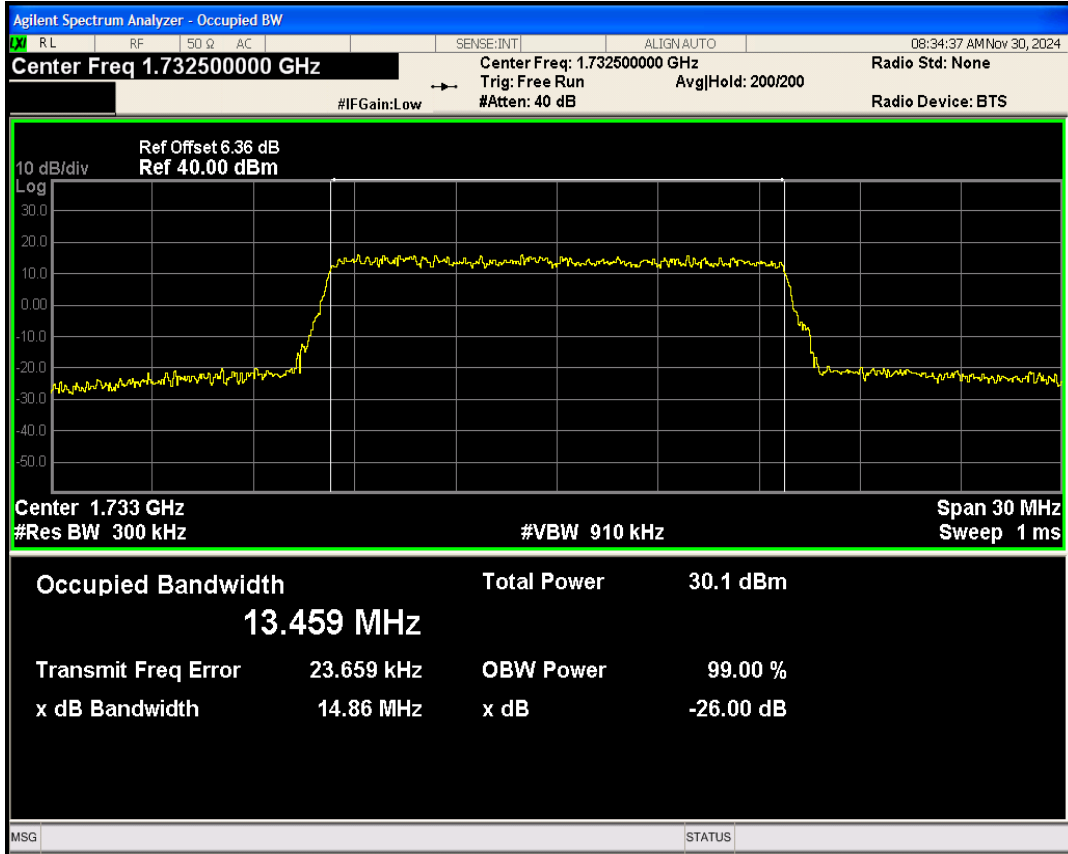
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



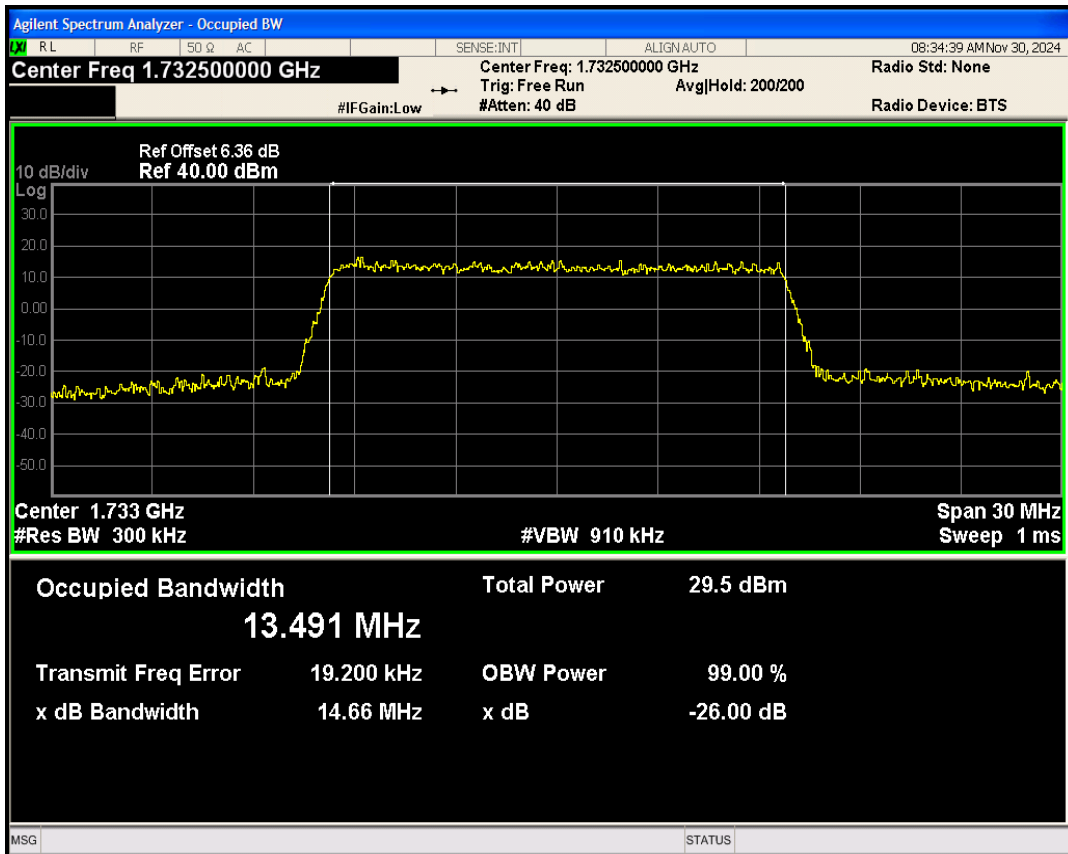
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



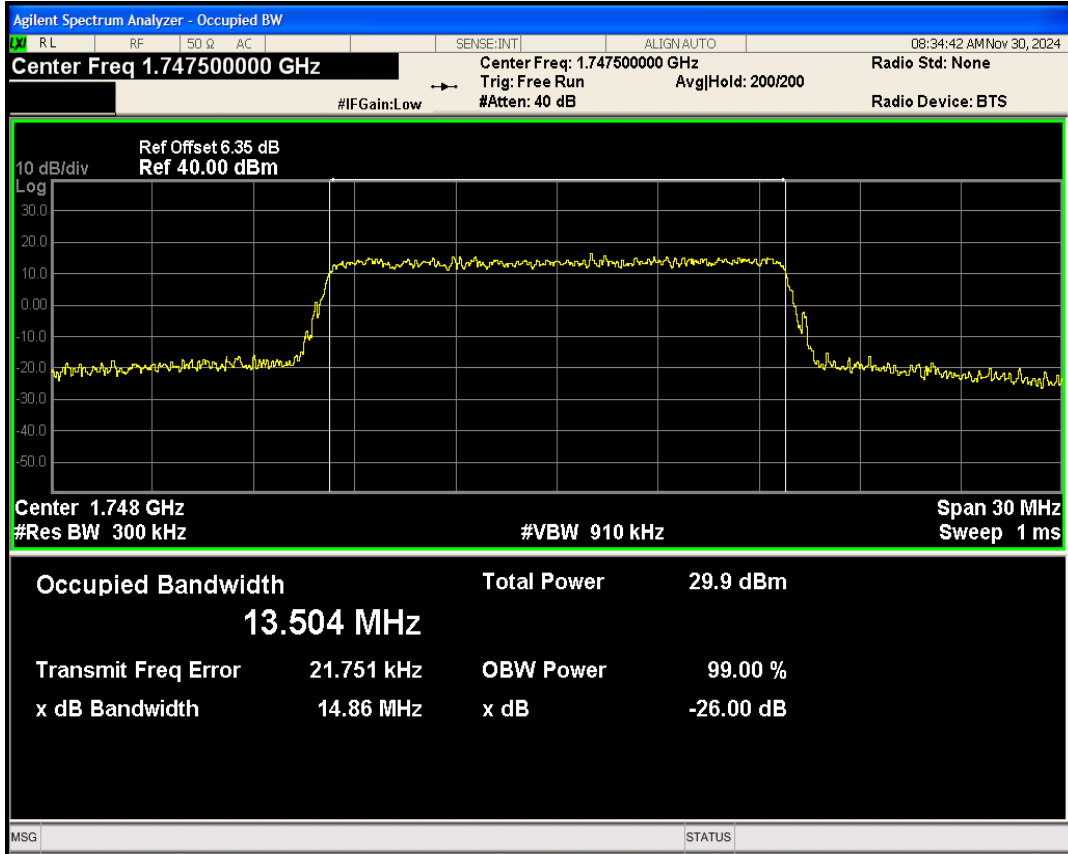
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



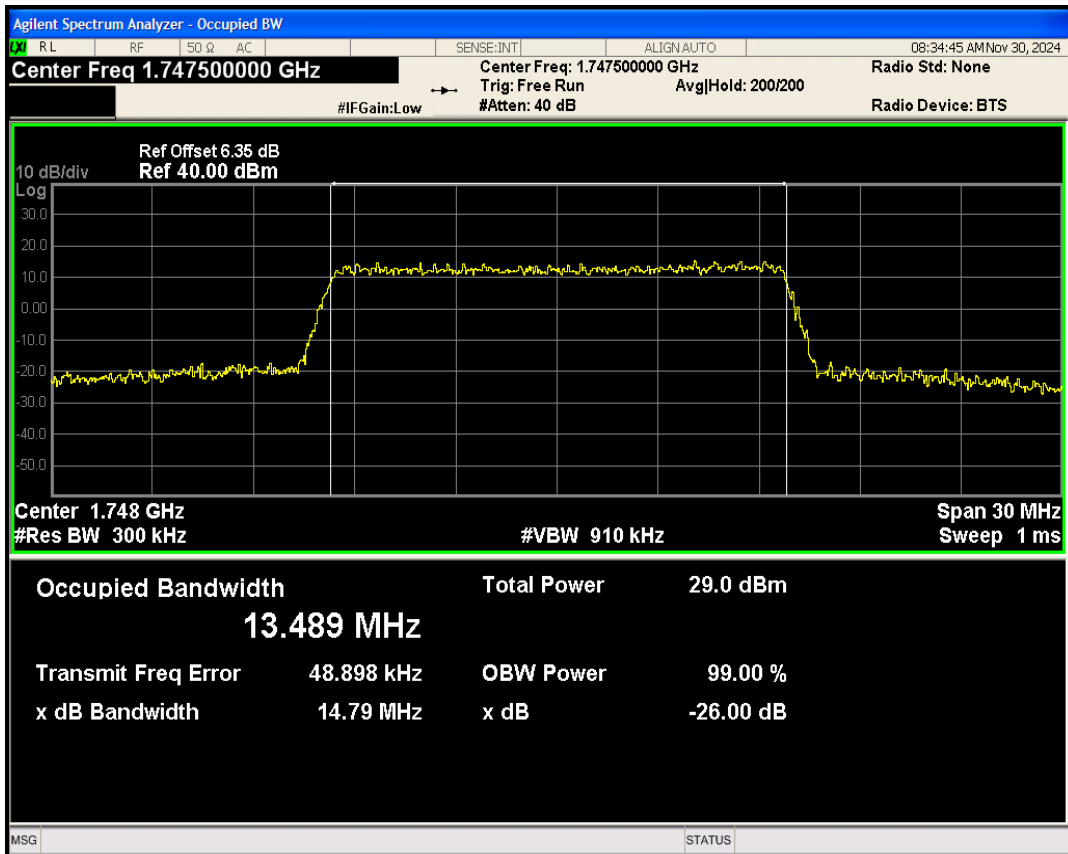
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



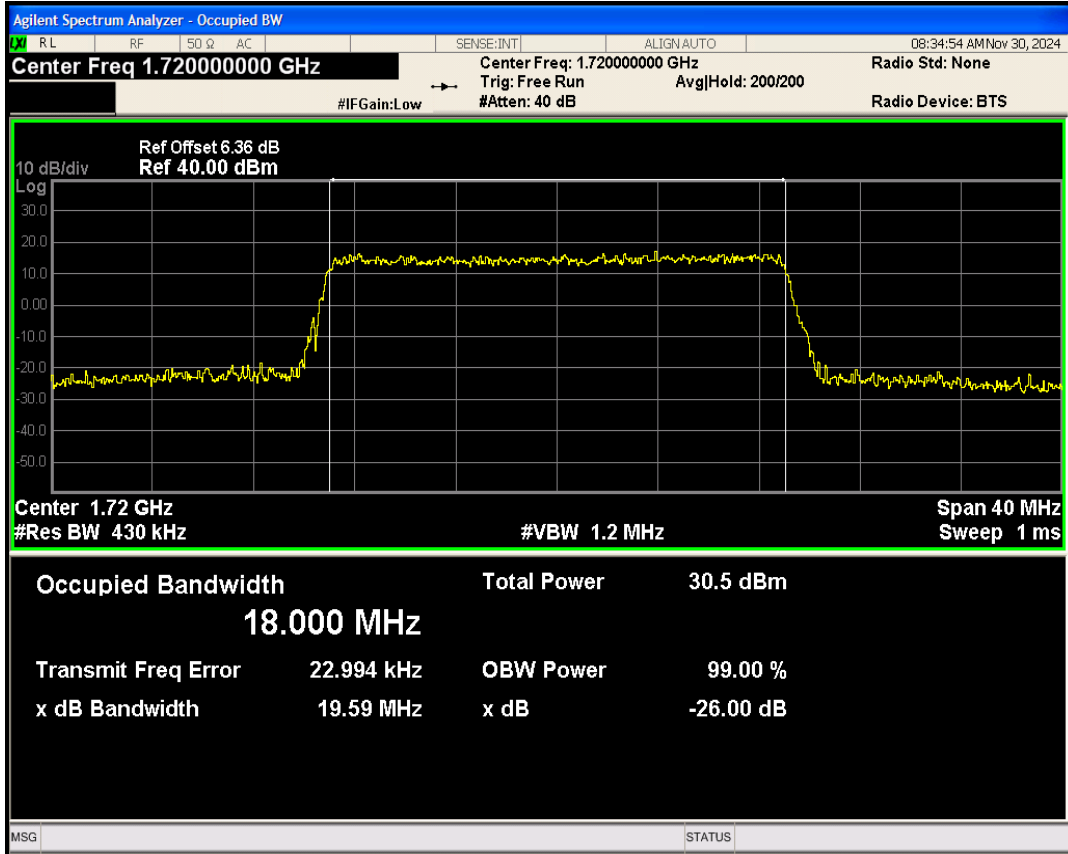
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



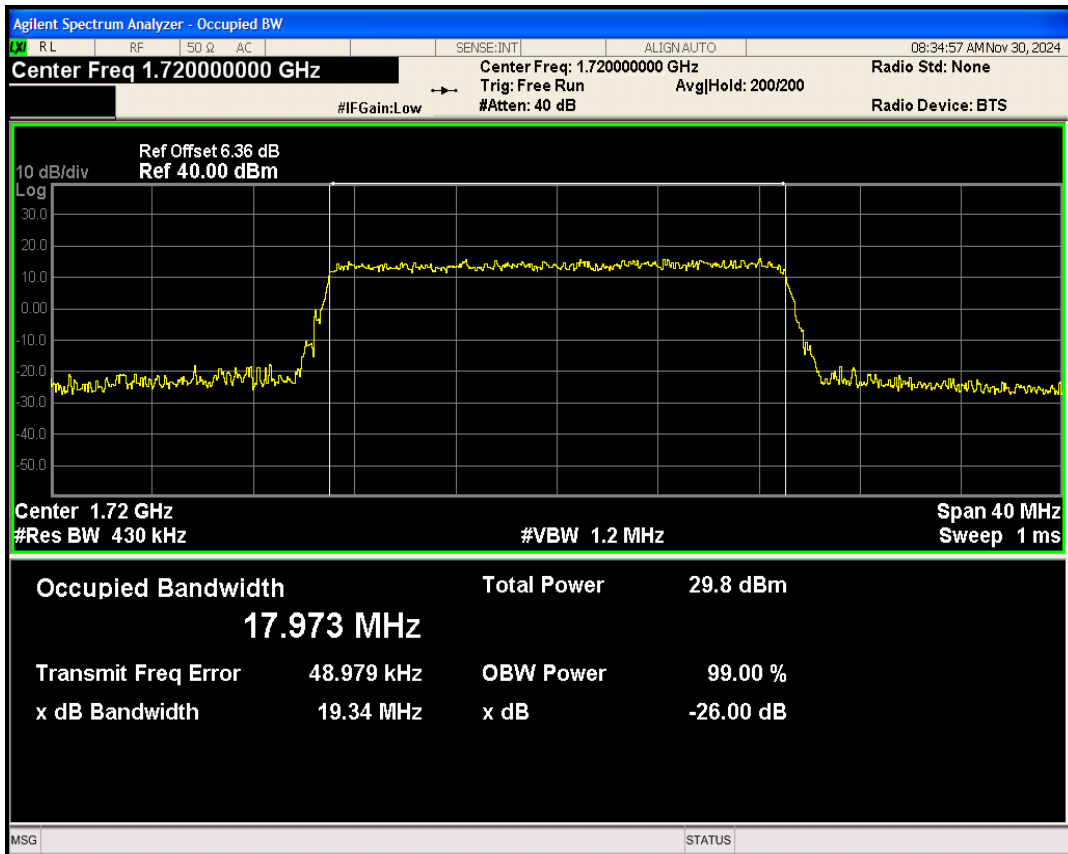
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



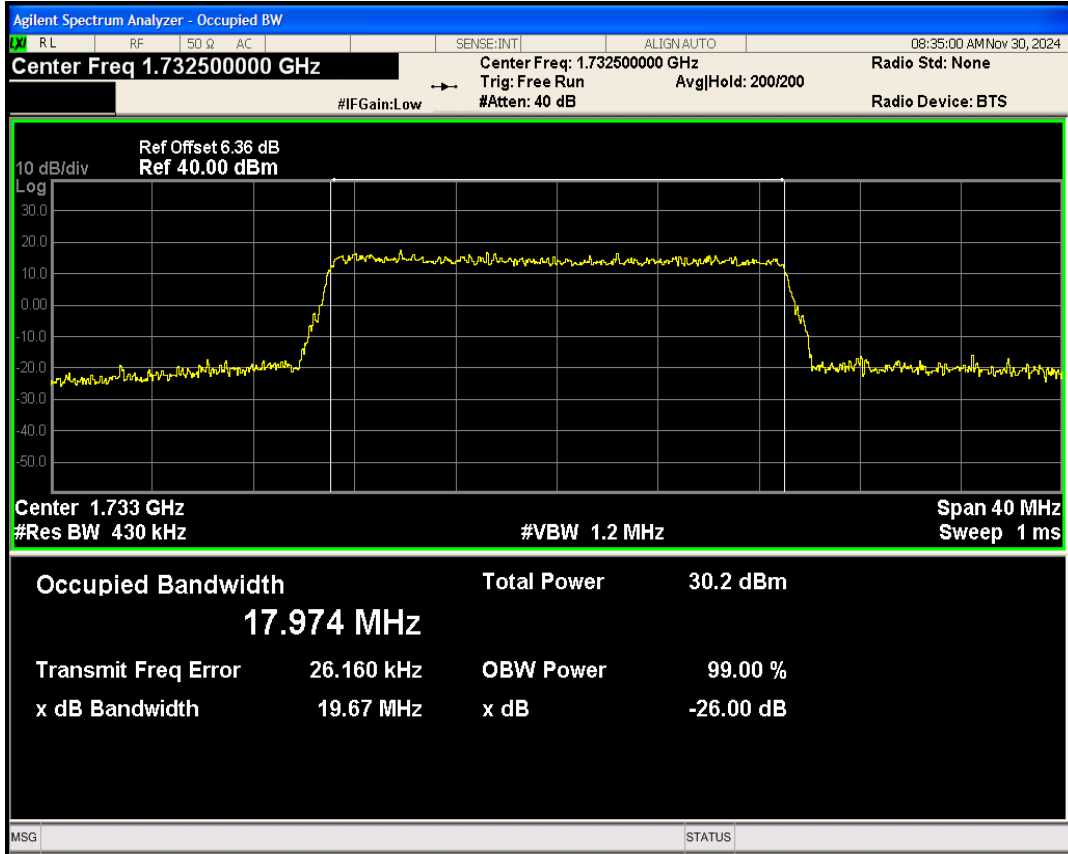
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



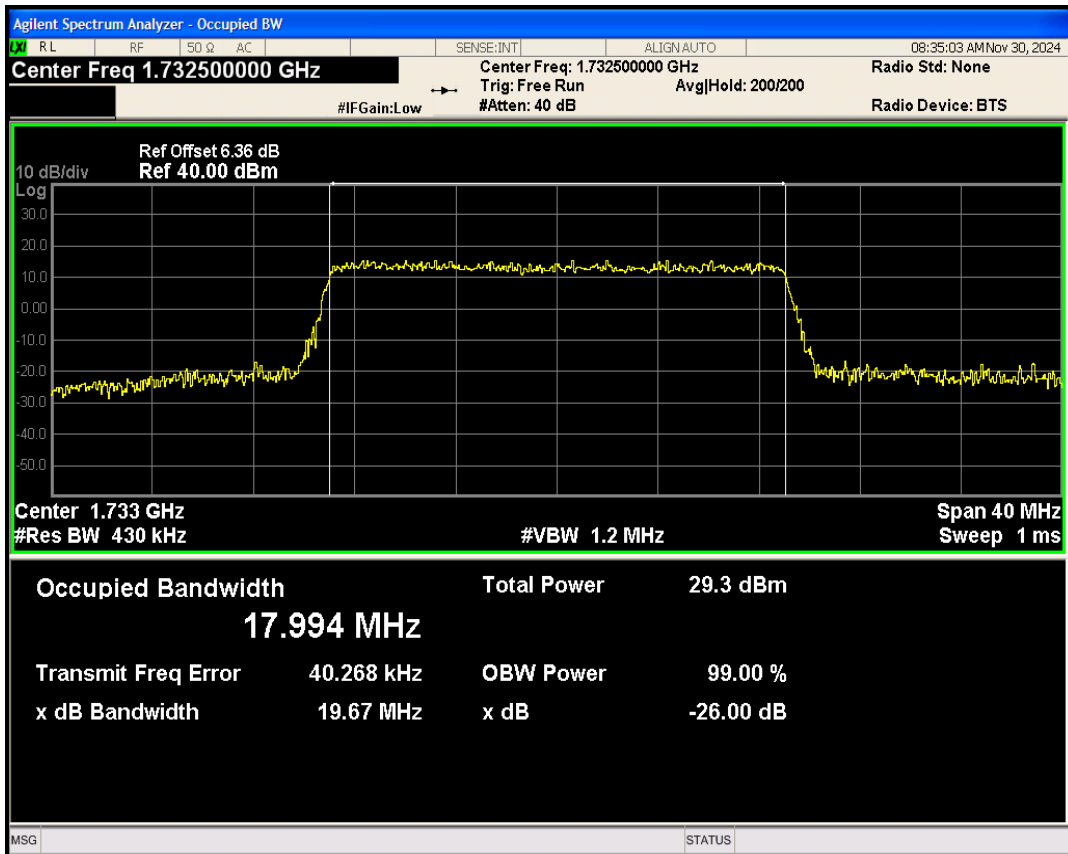
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



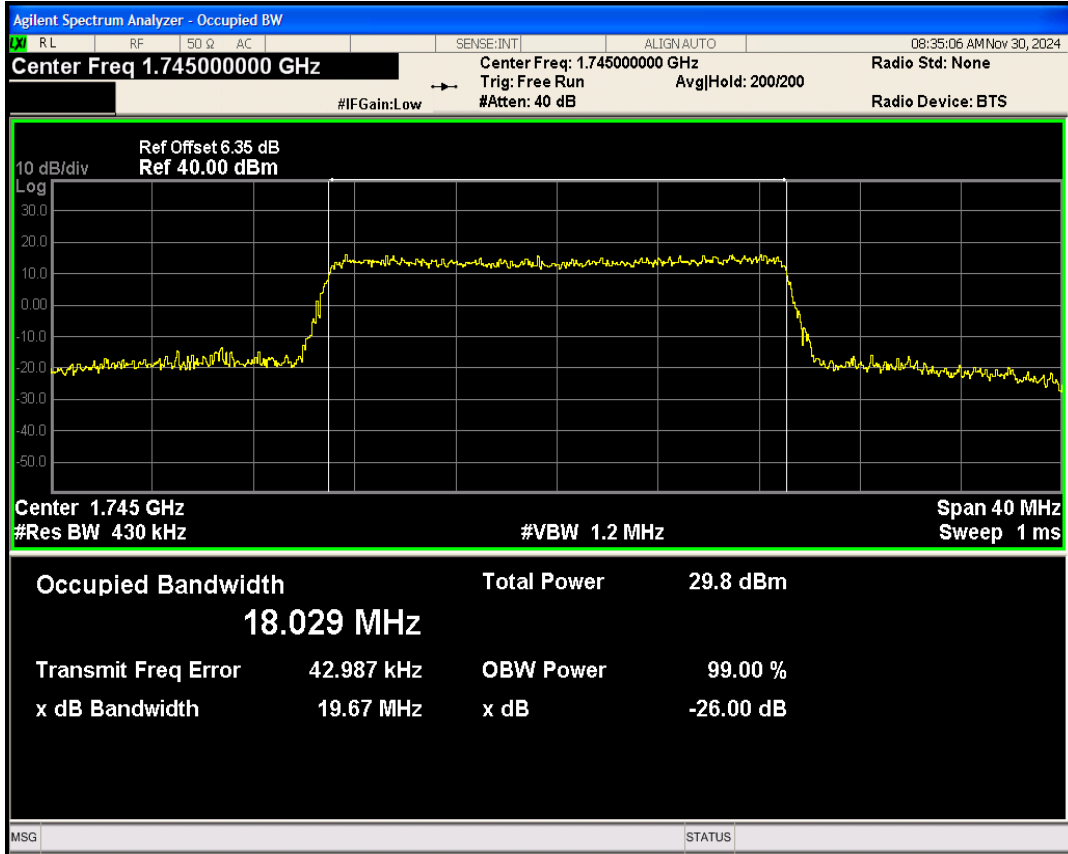
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



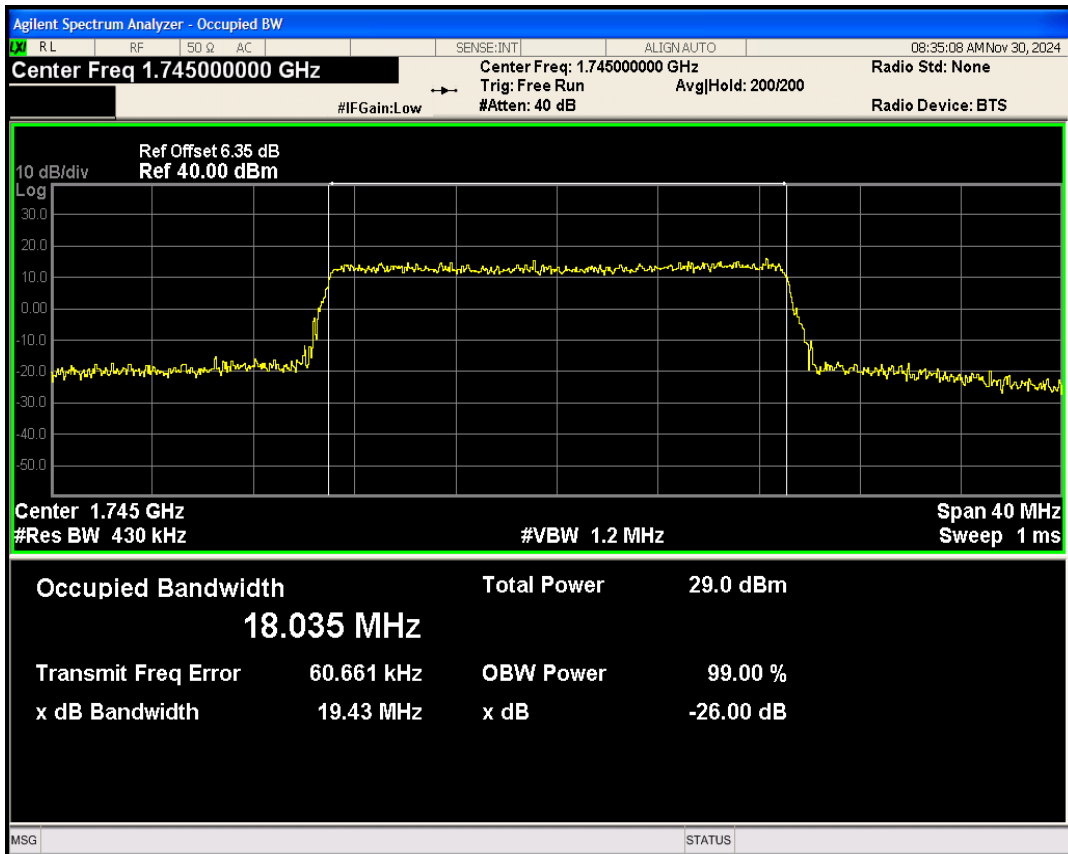
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



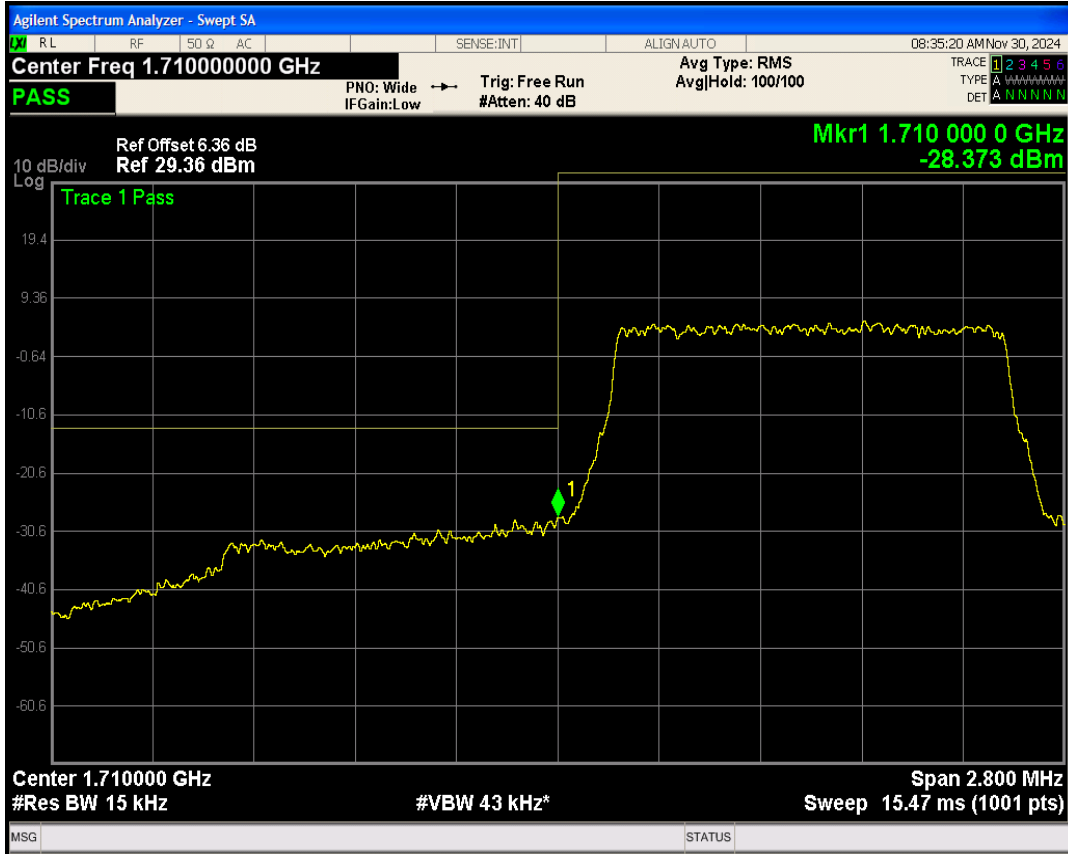
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



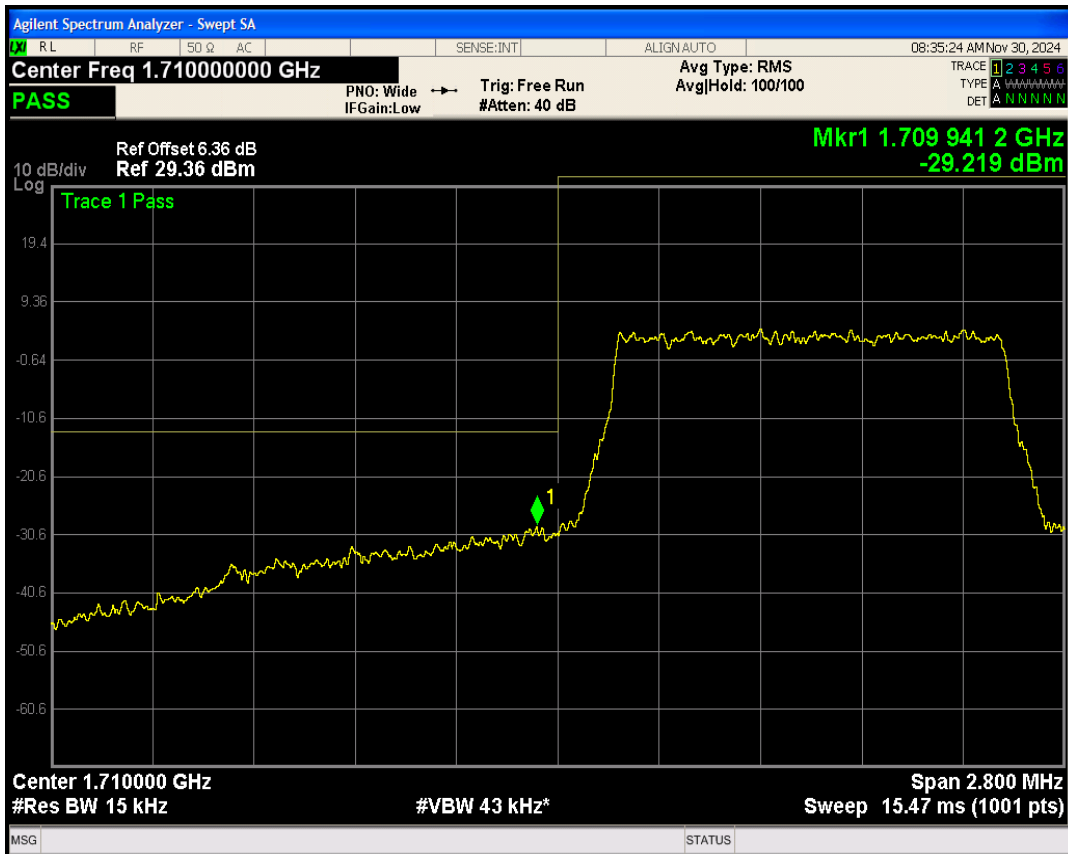
Appendix 5. Band edge

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	1710.00	-28.37	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.94	-29.21	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-29.78	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.01	-29.26	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-23.10	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-24.10	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-23.90	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-25.32	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-30.25	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-29.75	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-28.51	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-28.52	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.24	-33.47	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.98	-32.74	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-31.54	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-30.57	-13	PASS
Band4	15	20025	75	#0	QPSK	1708.35	-31.70	-13	PASS
Band4	15	20025	75	#0	16QAM	1707.84	-33.56	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-30.09	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-32.21	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.96	-33.06	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-33.50	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.68	-30.16	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-32.16	-13	PASS

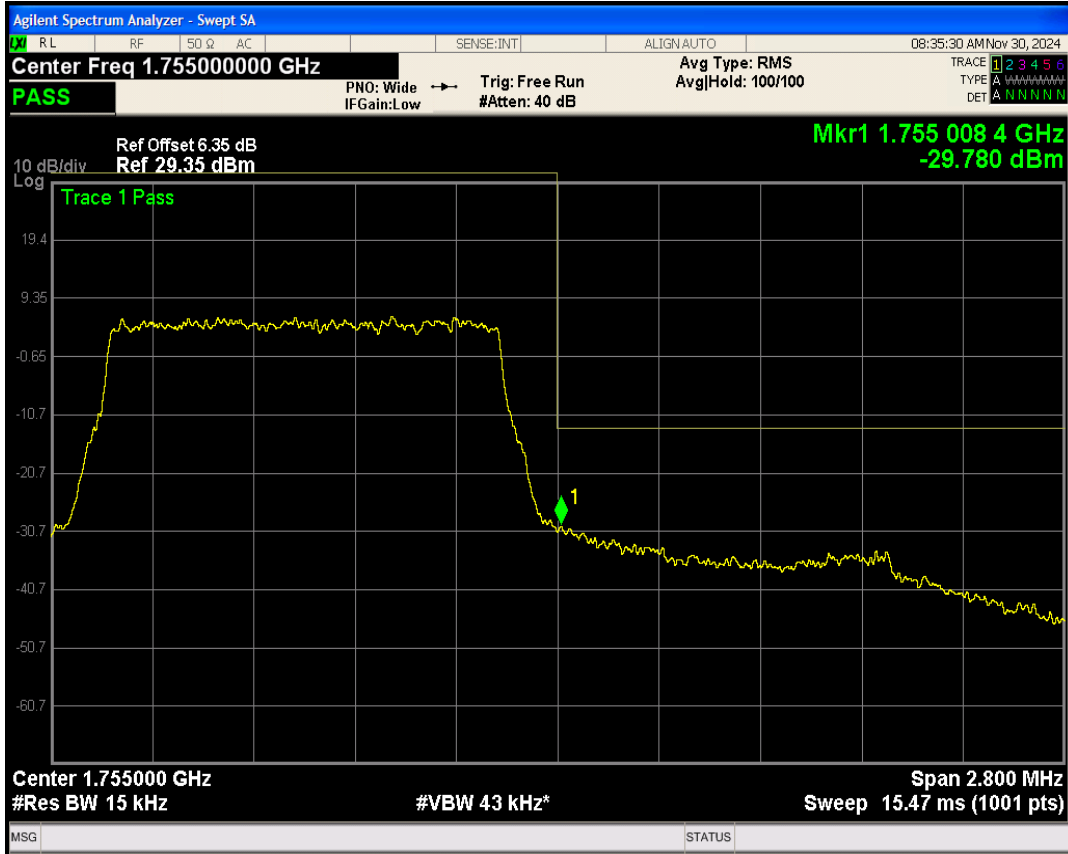
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



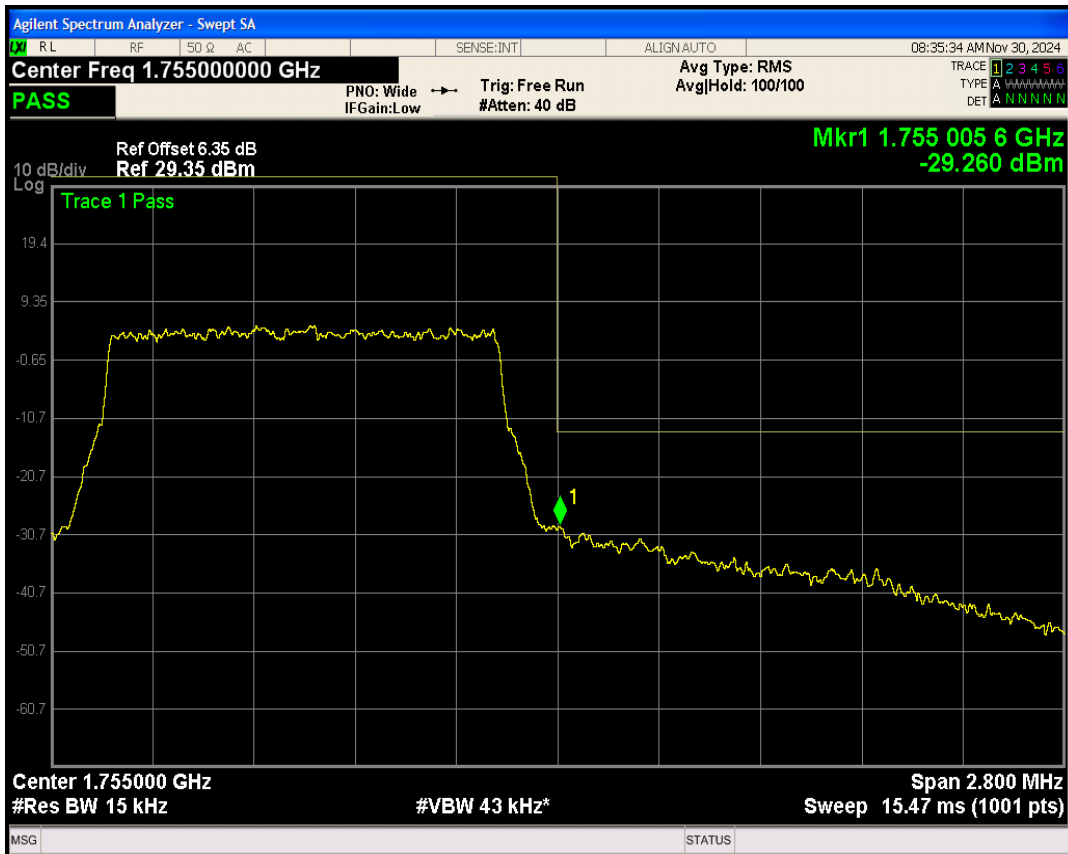
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



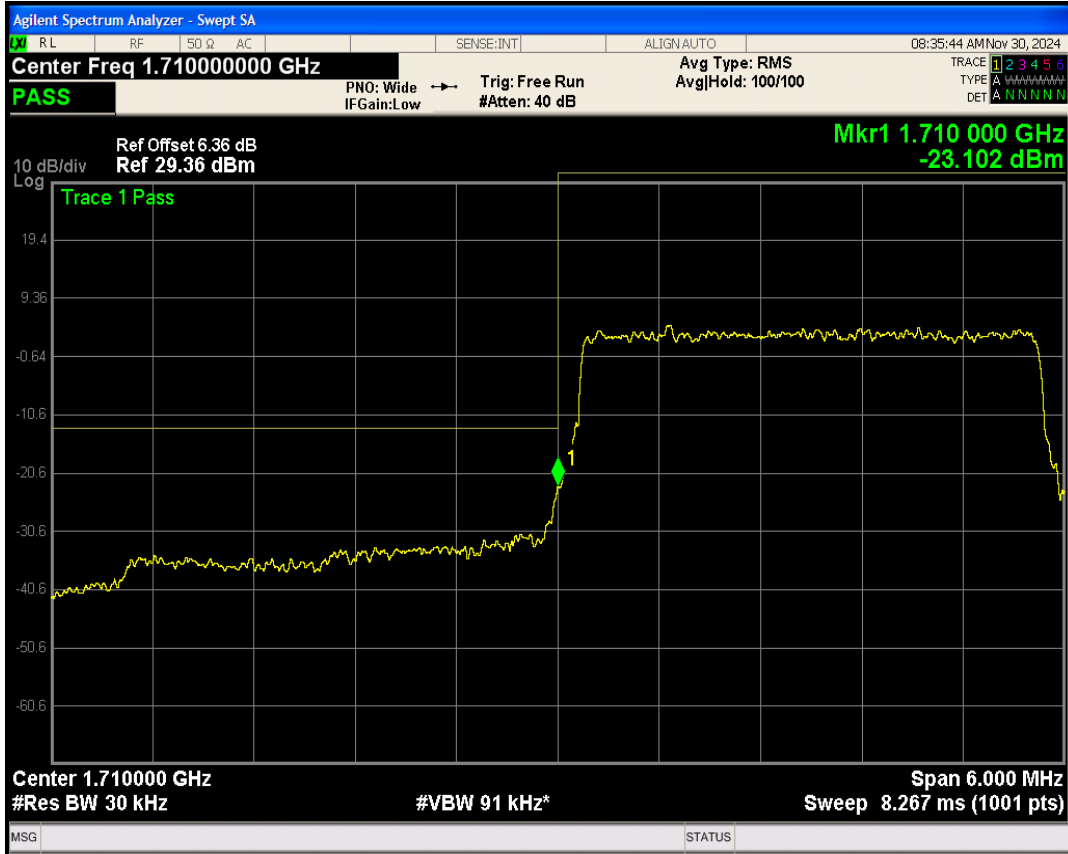
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



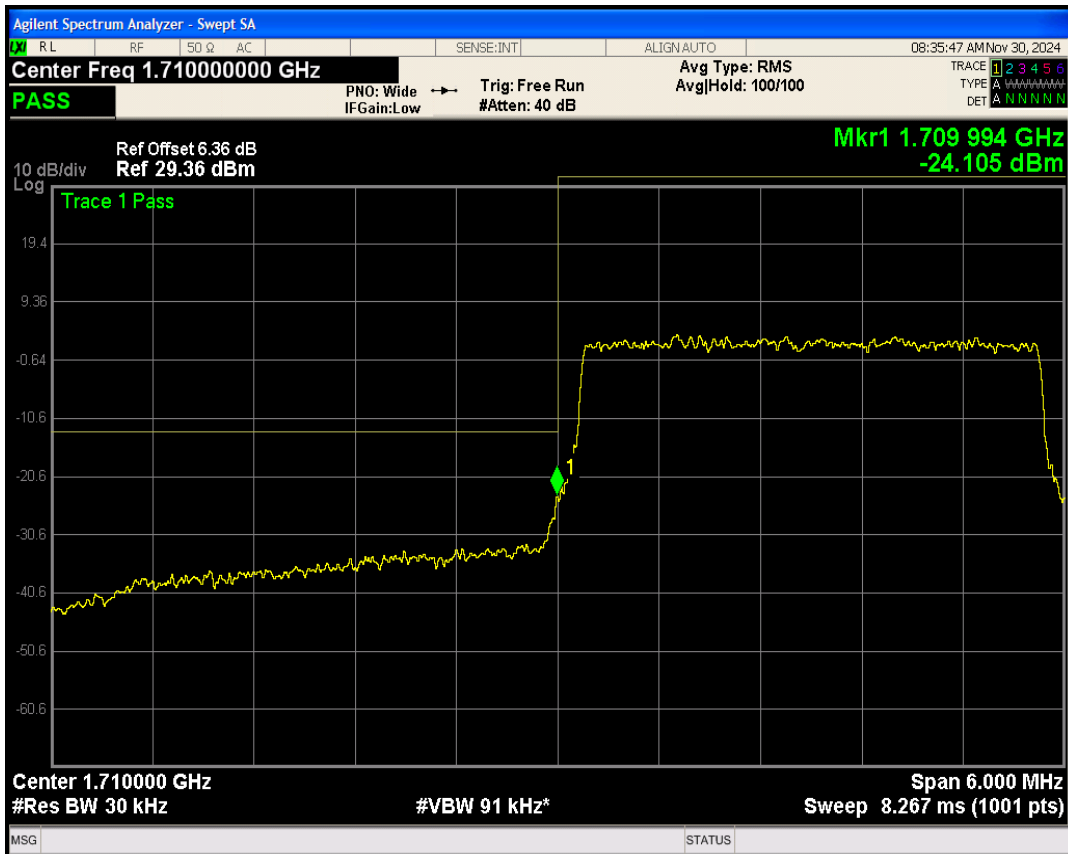
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



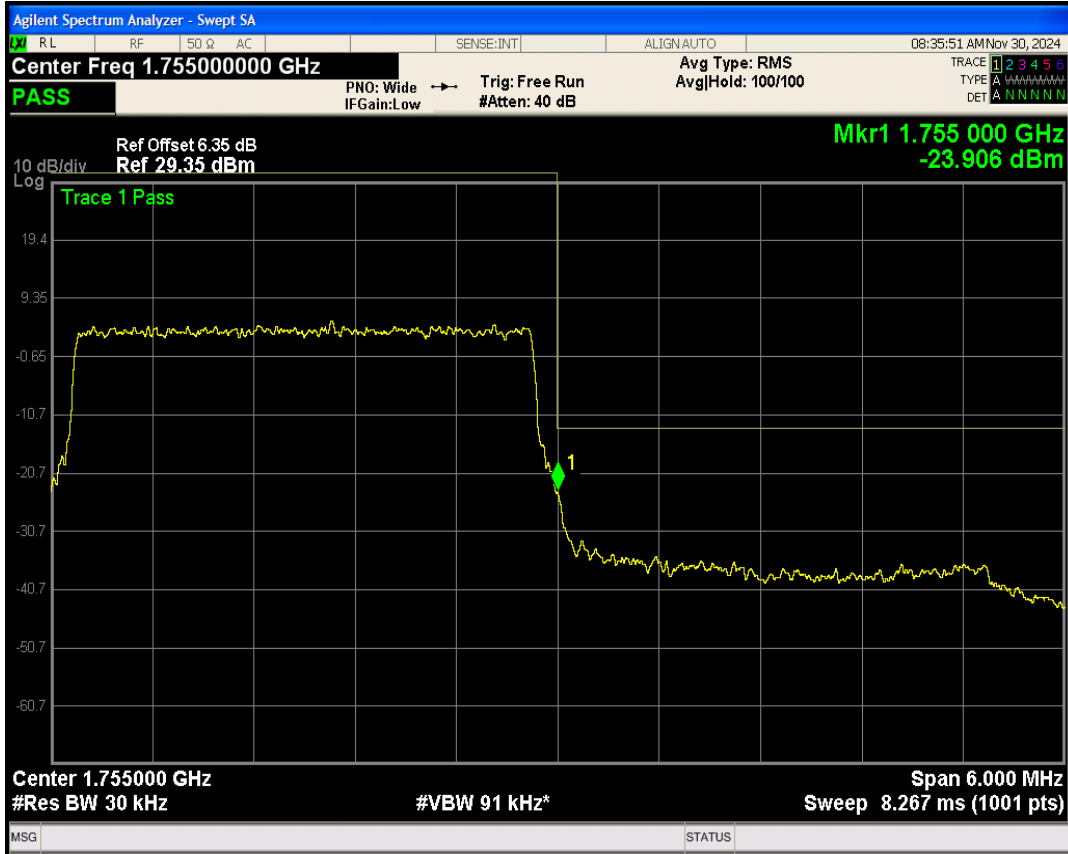
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



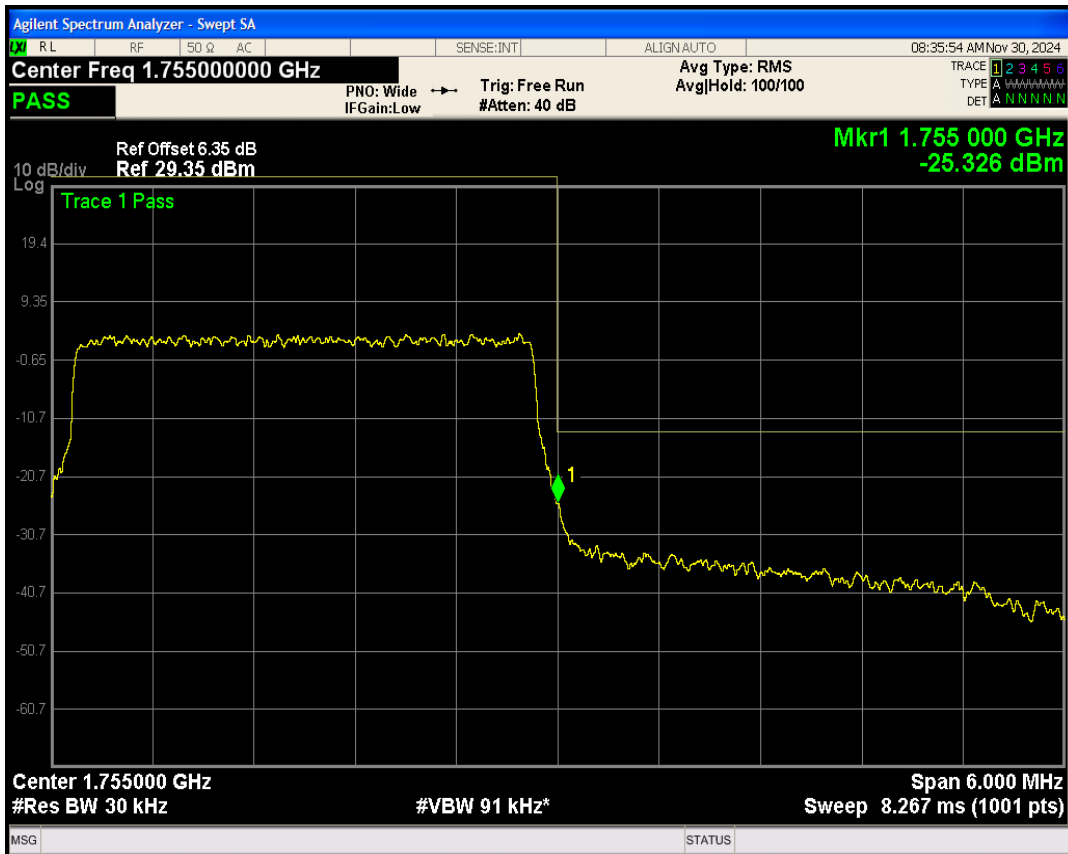
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



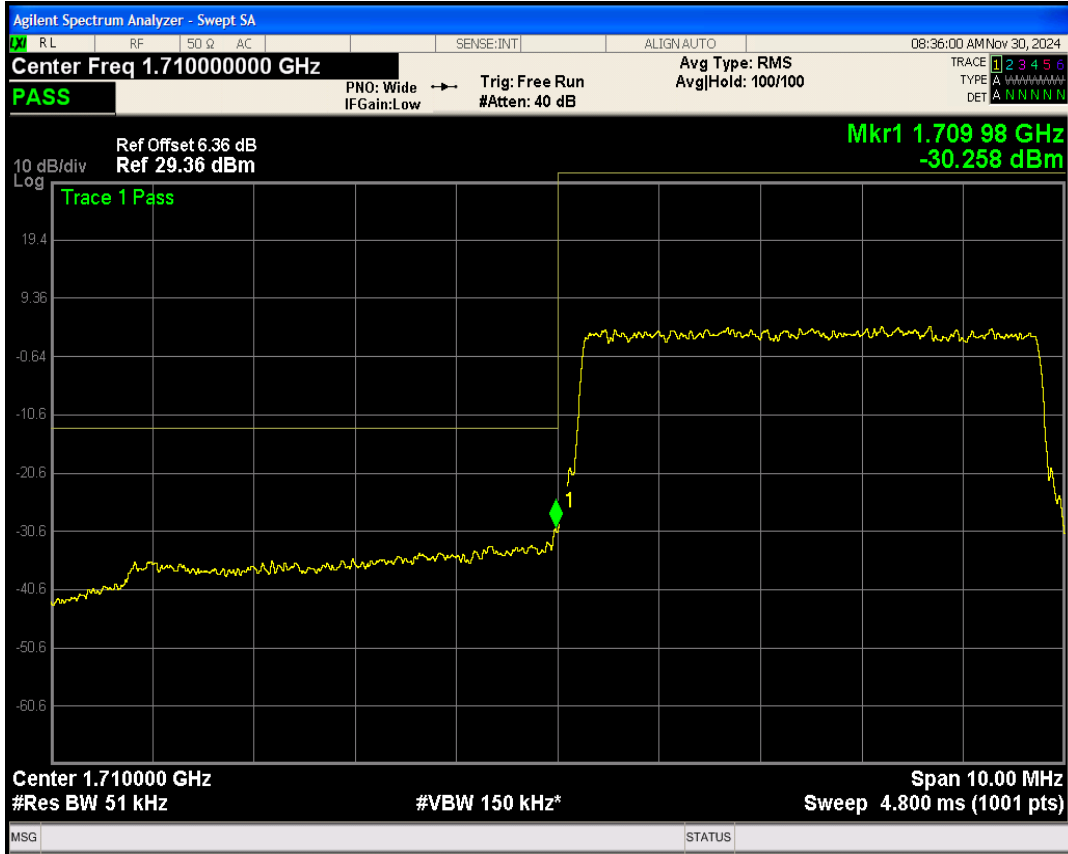
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



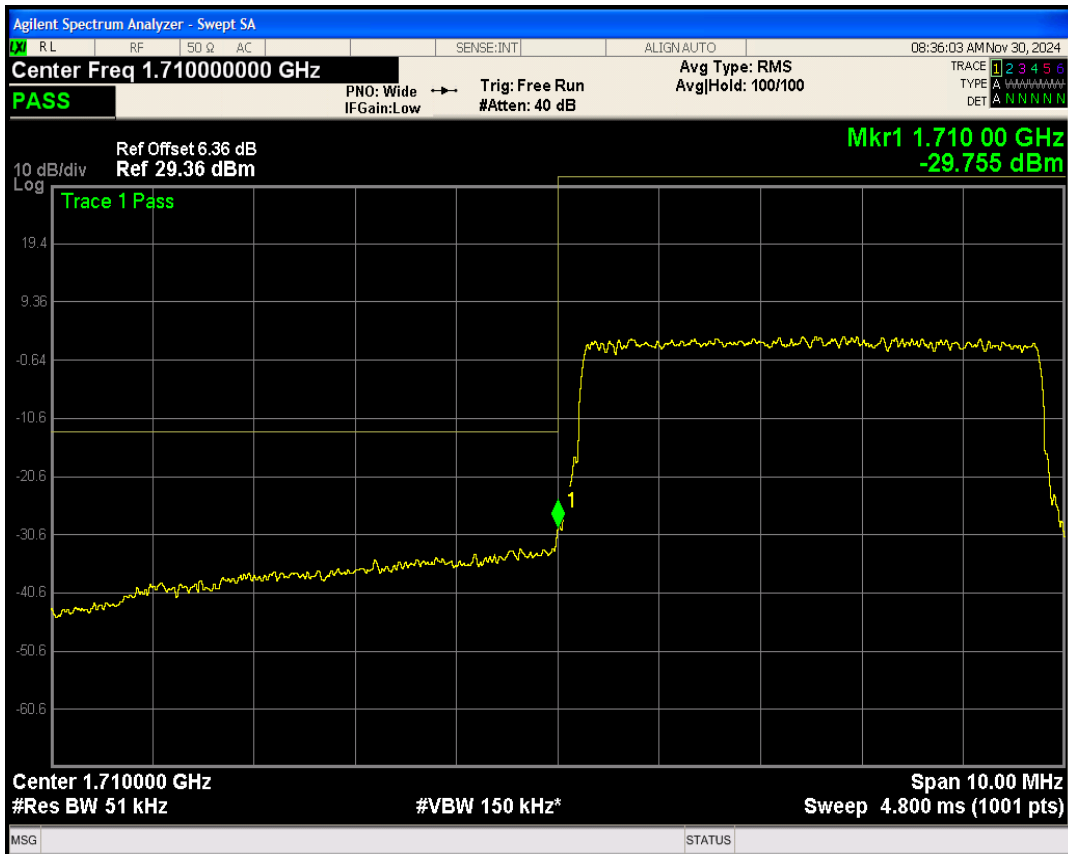
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



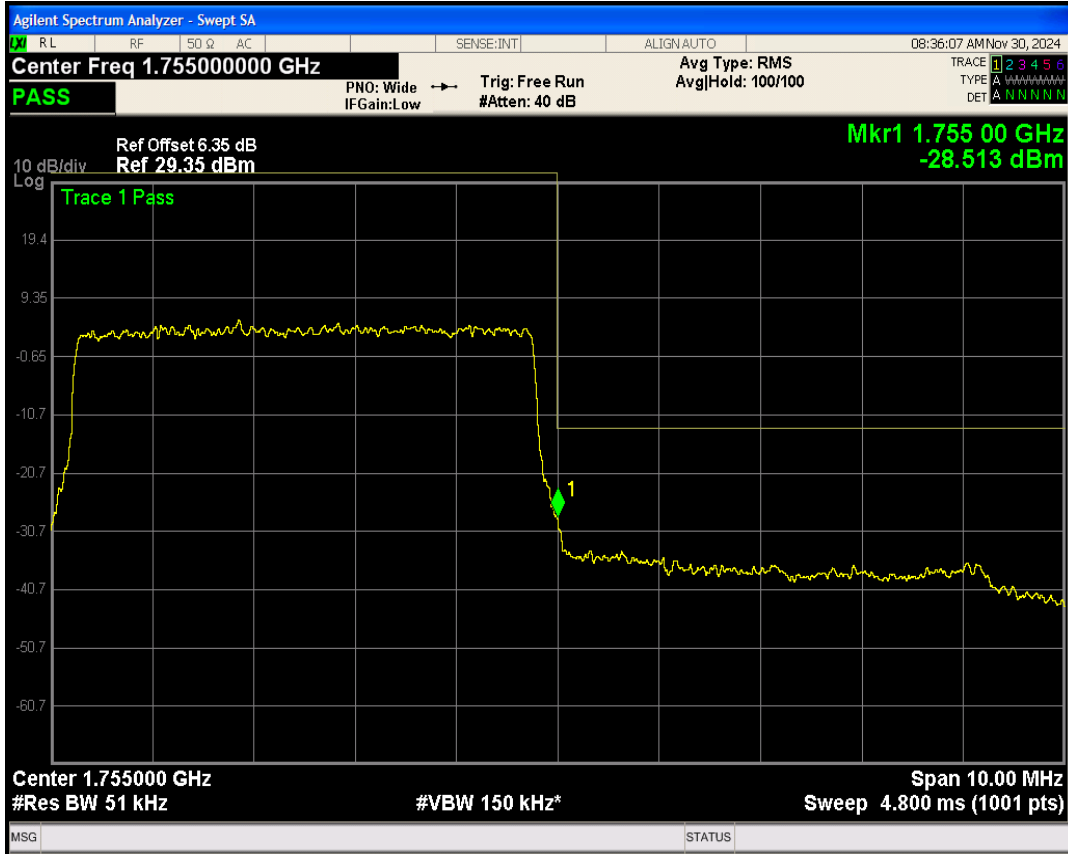
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



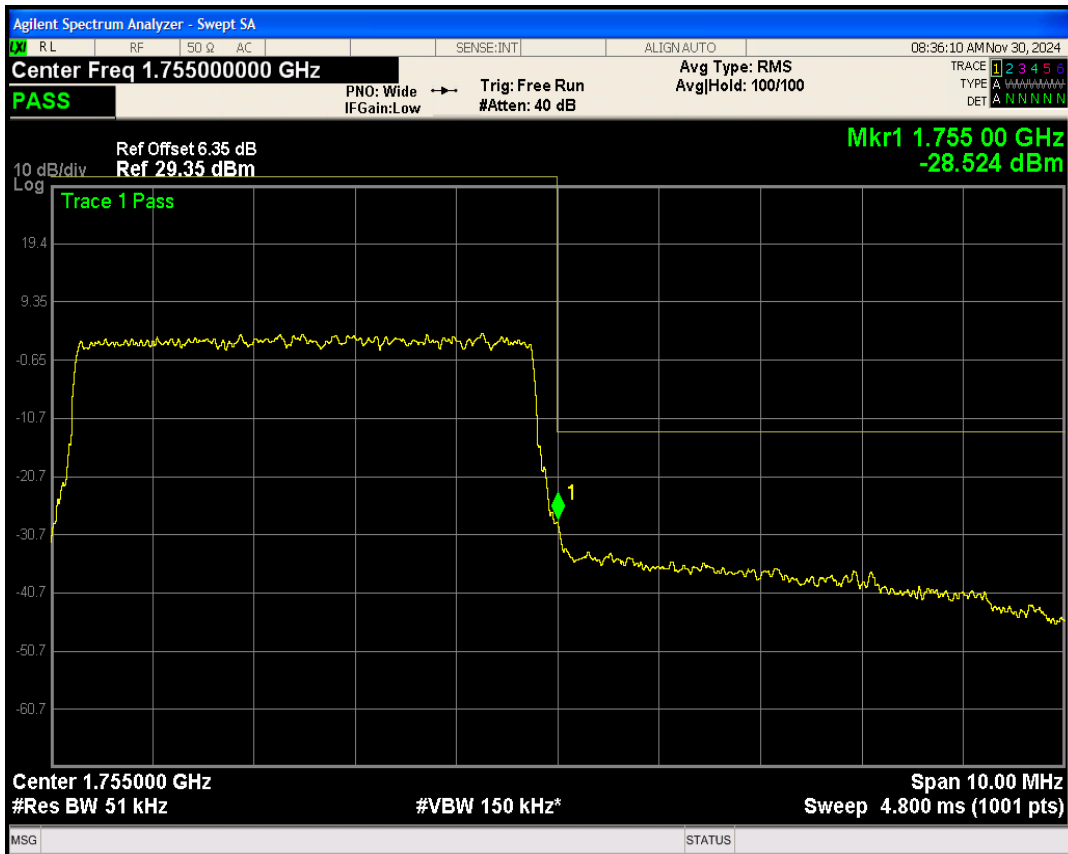
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



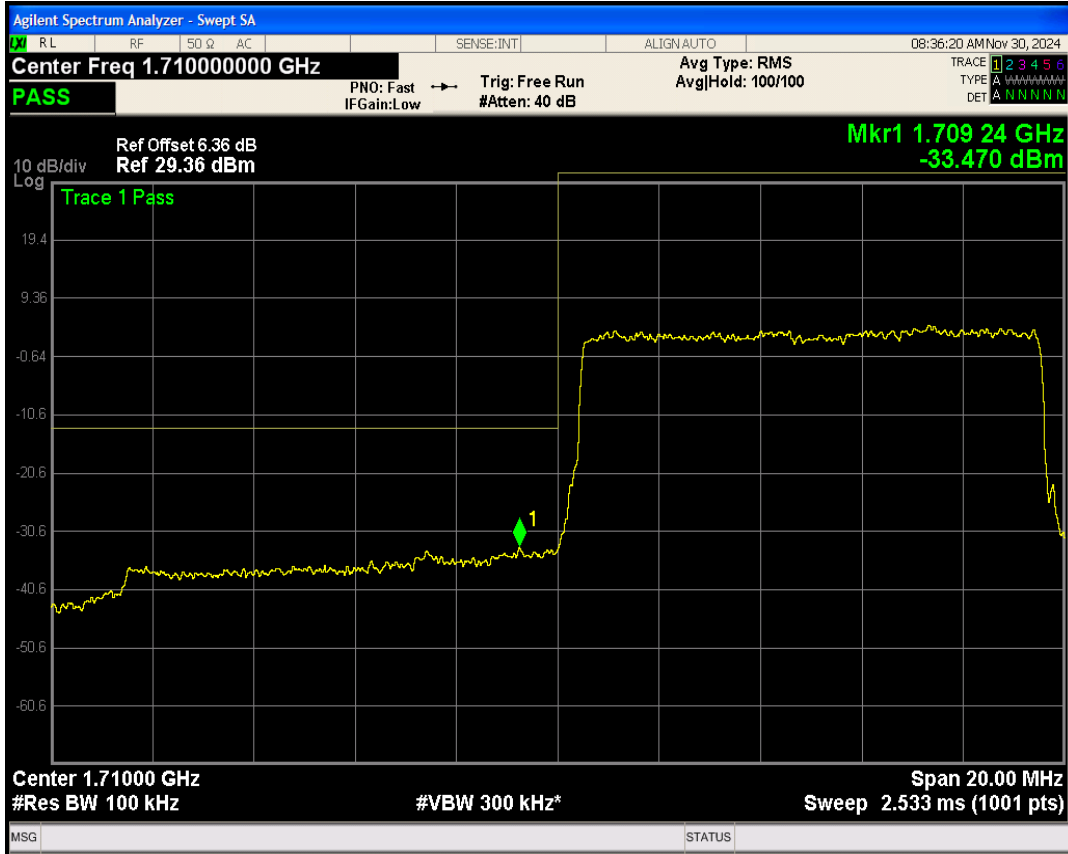
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



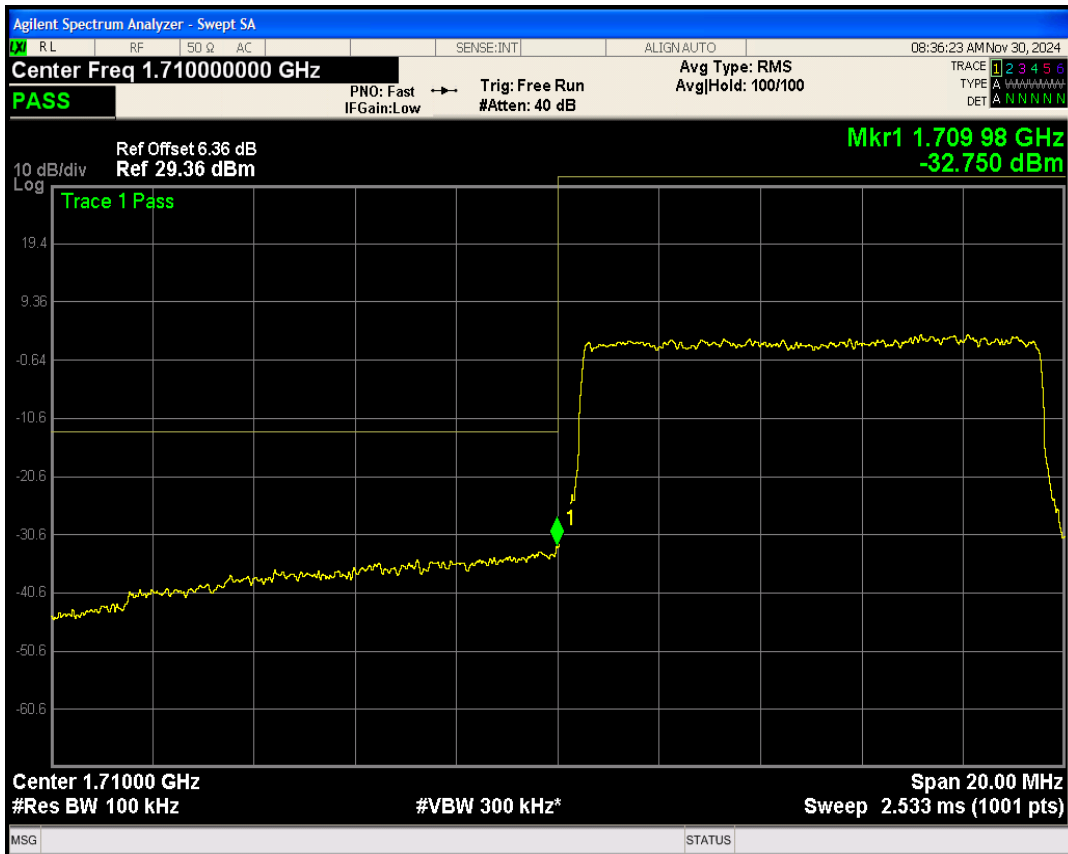
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



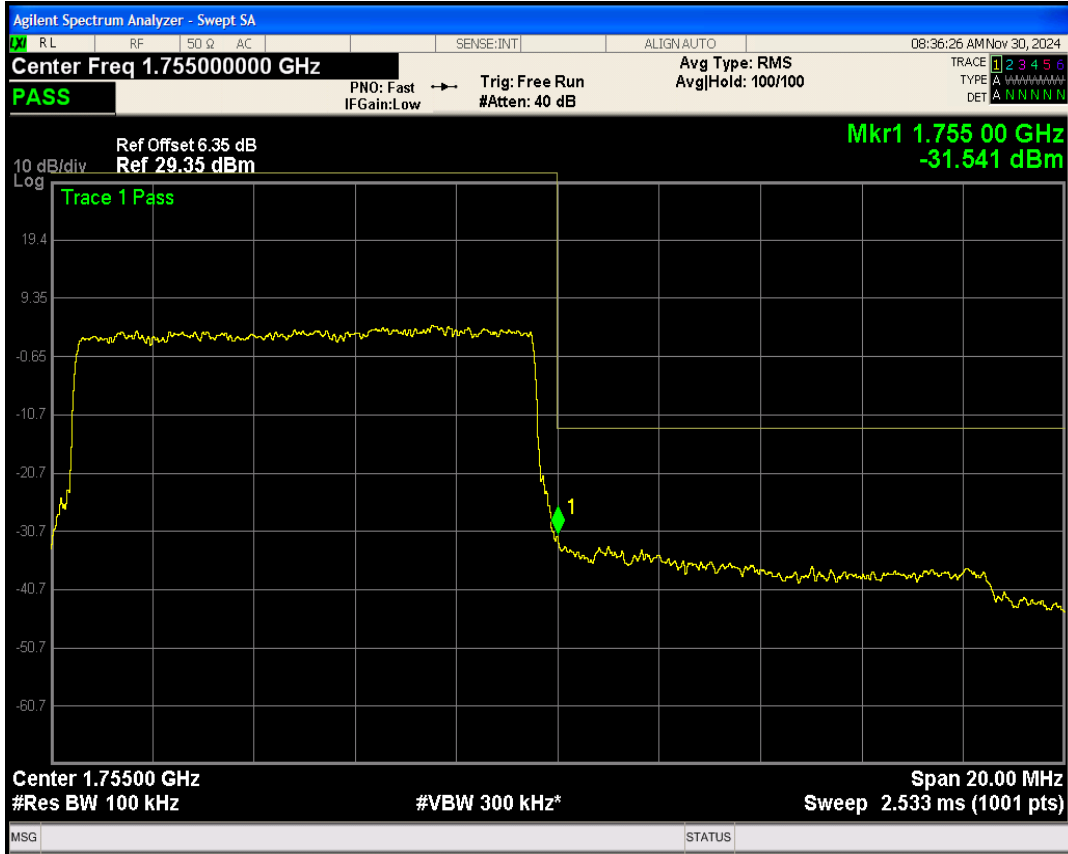
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



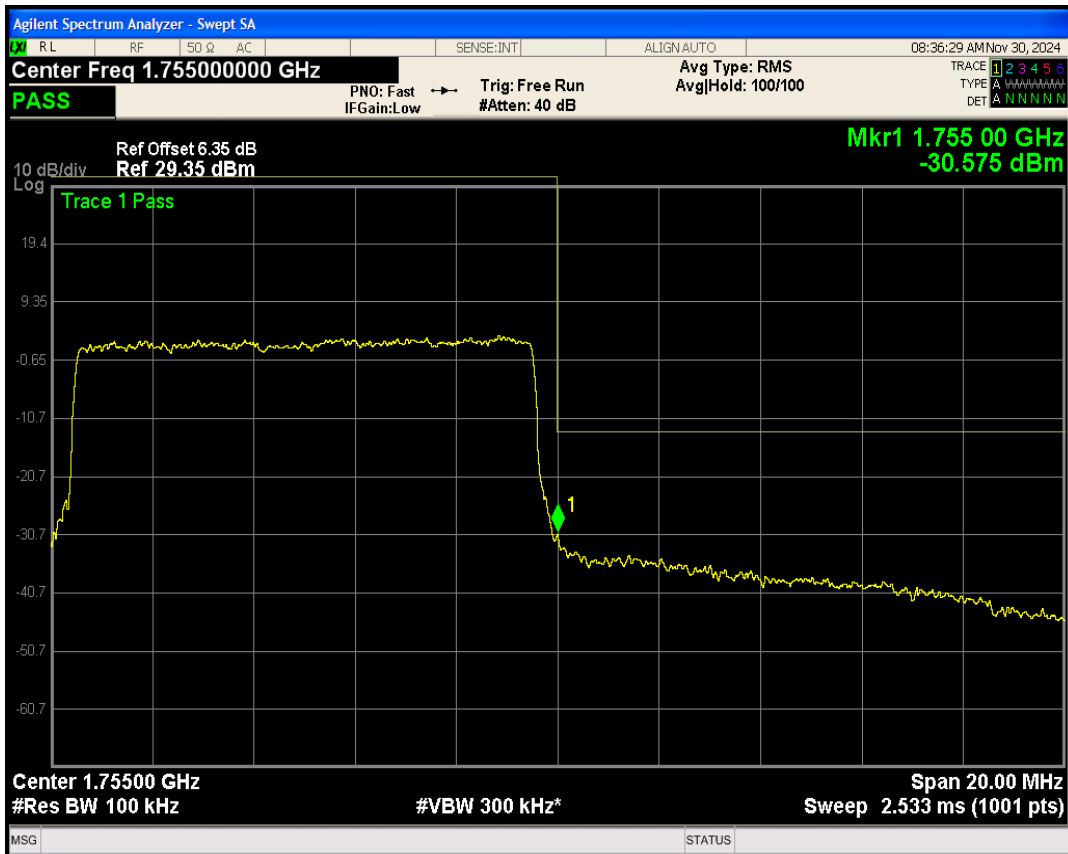
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



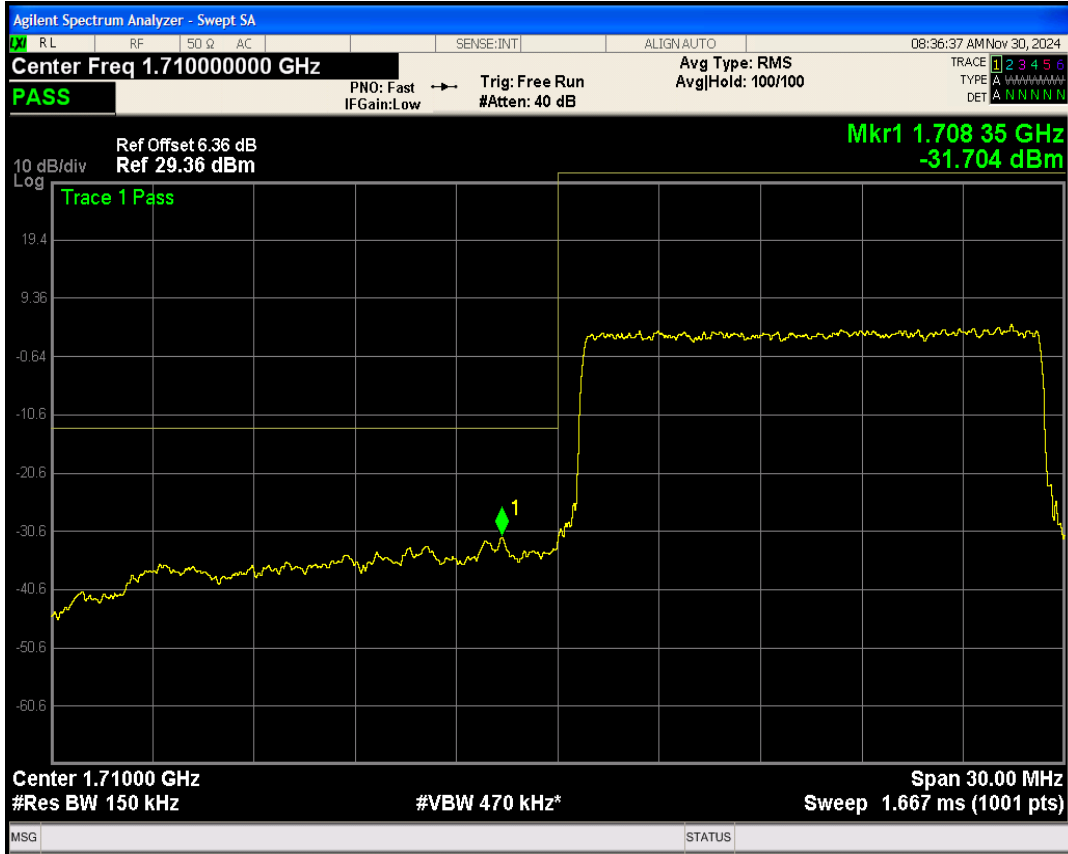
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



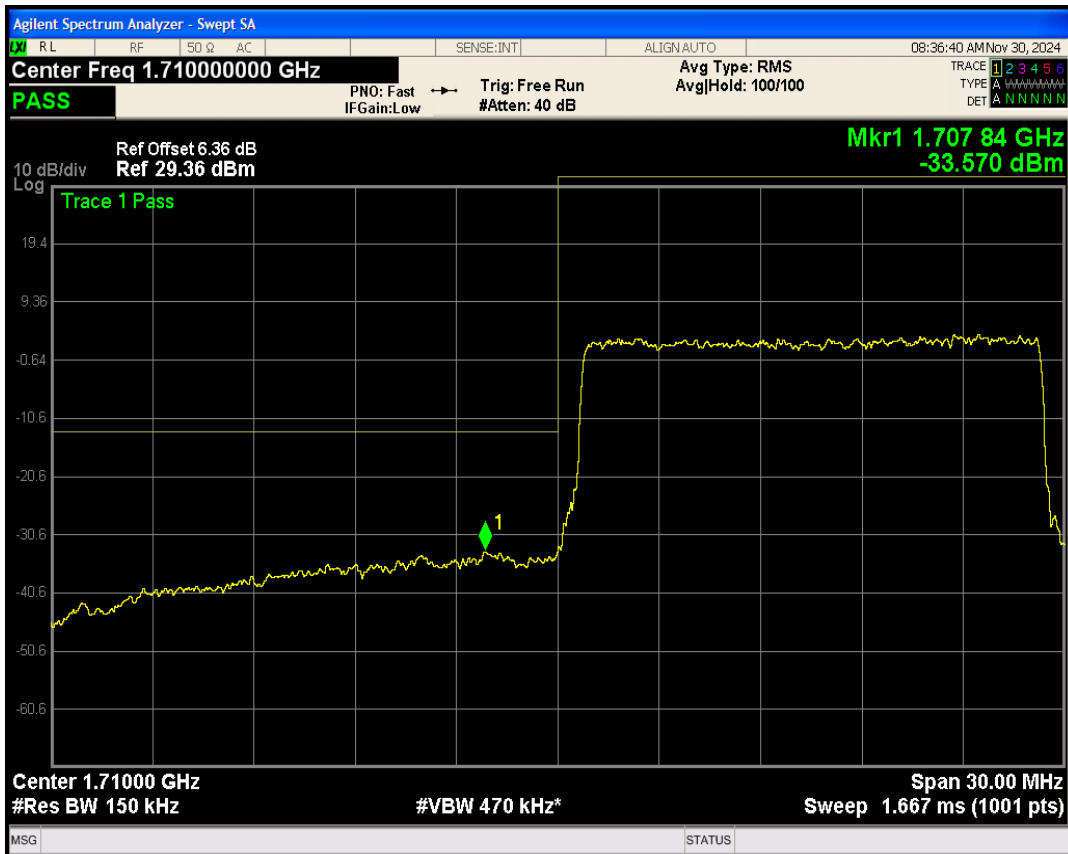
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



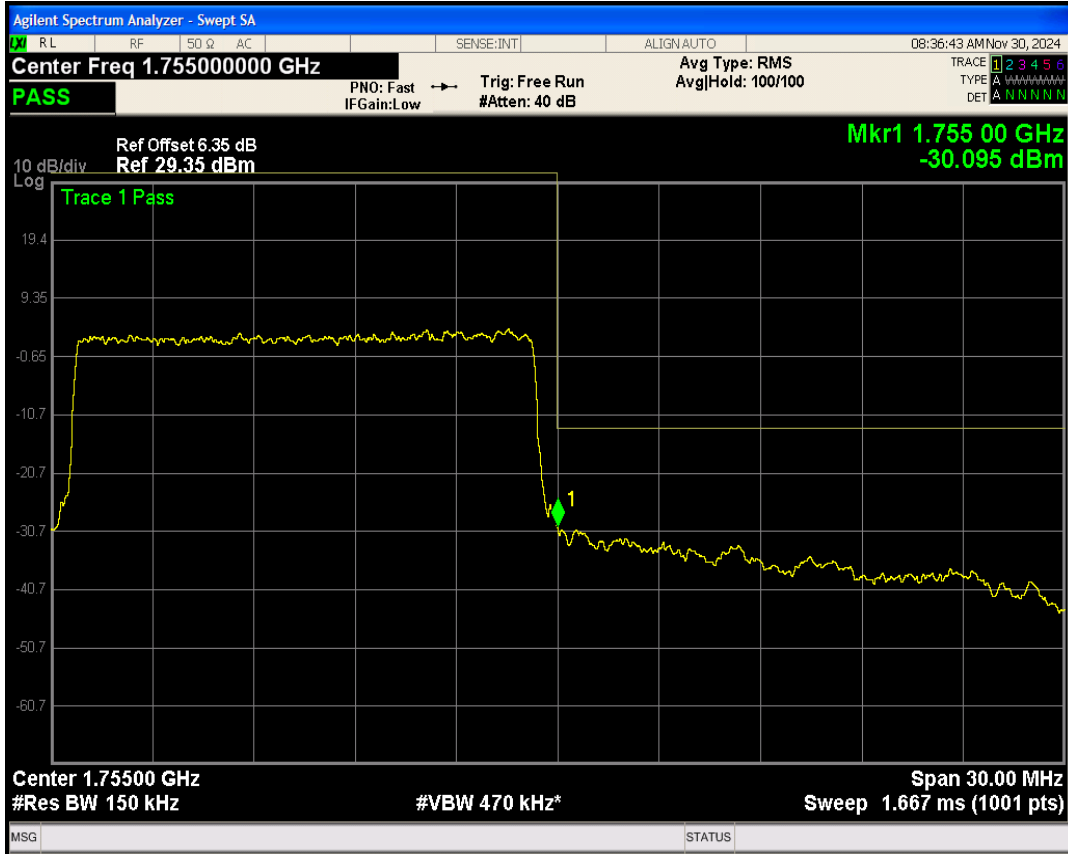
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



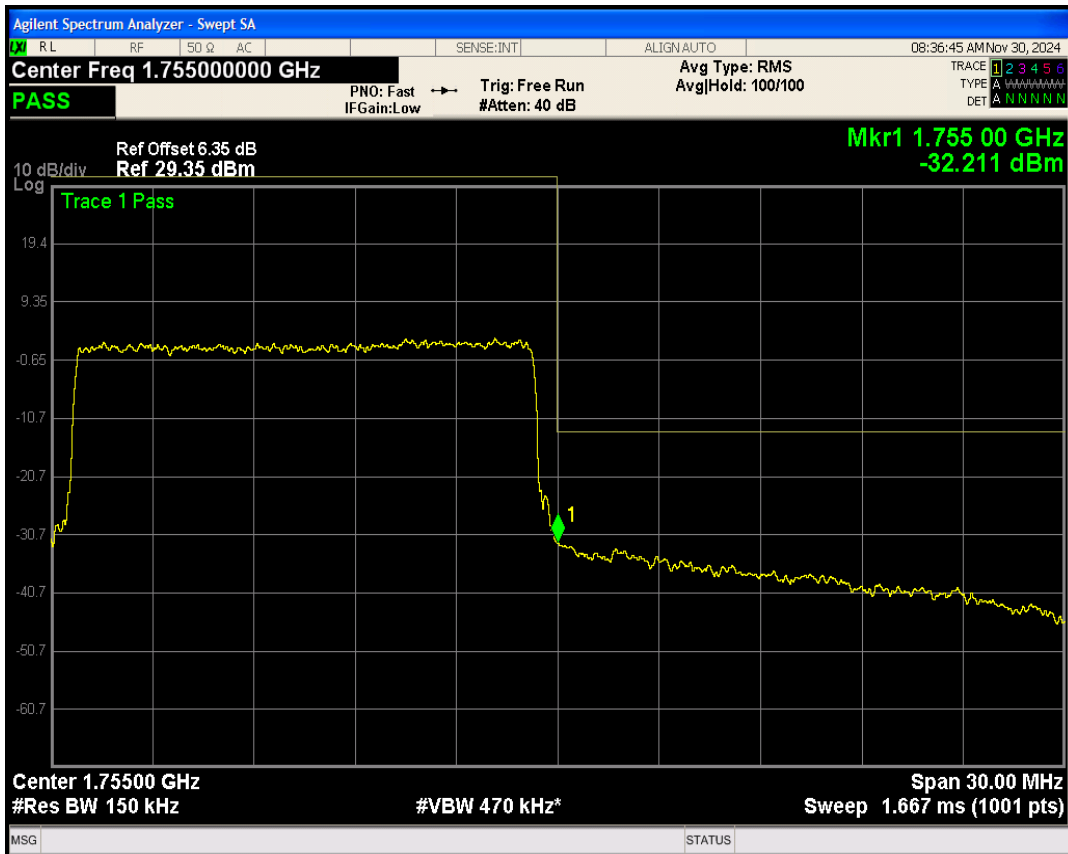
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



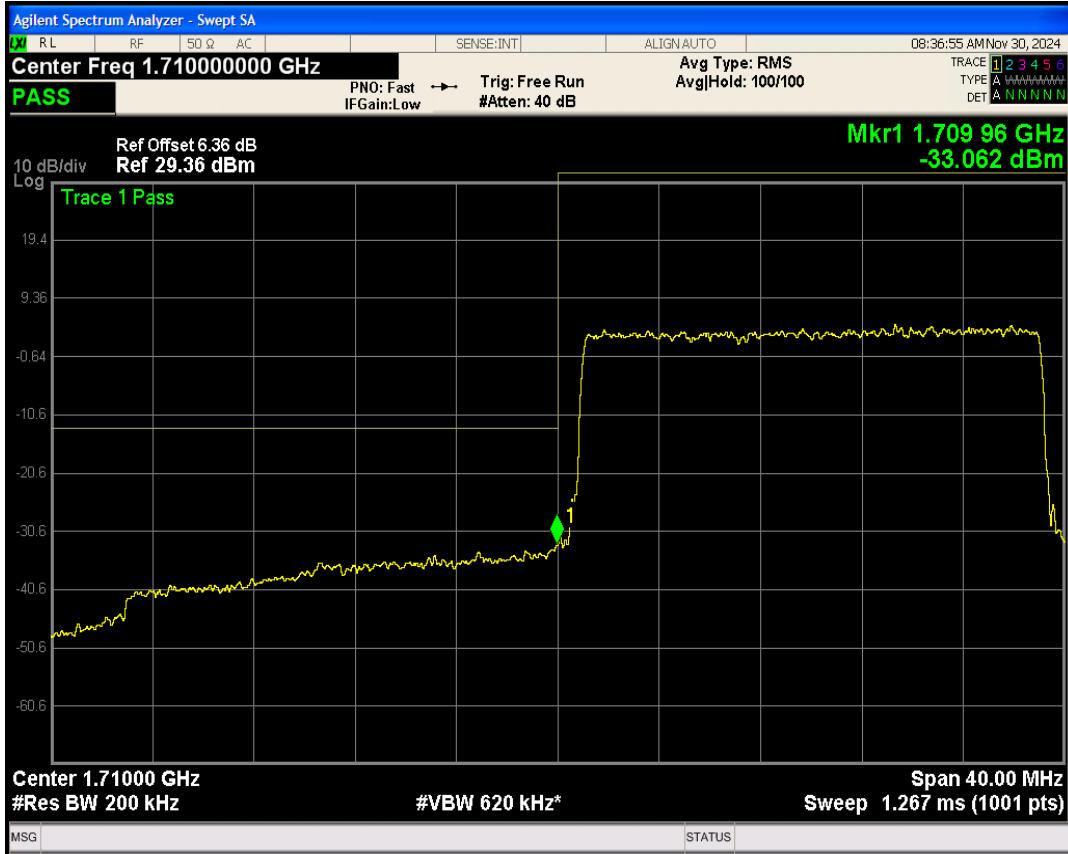
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



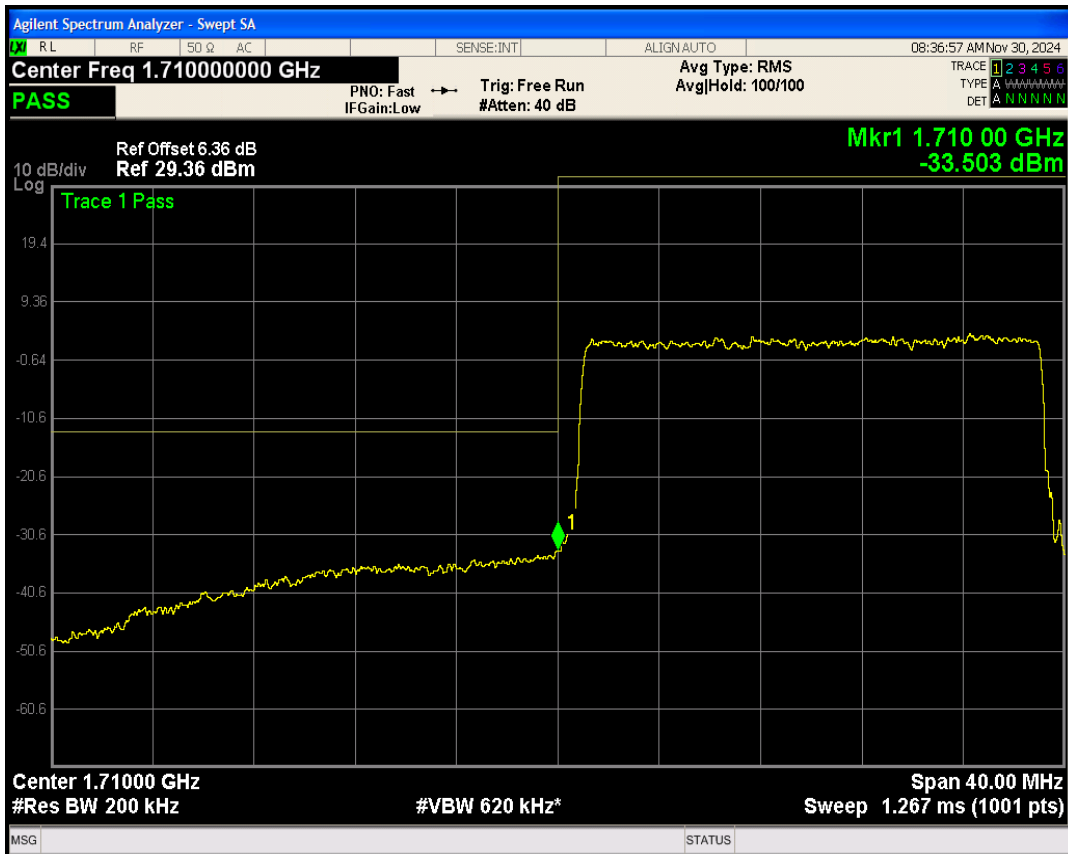
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



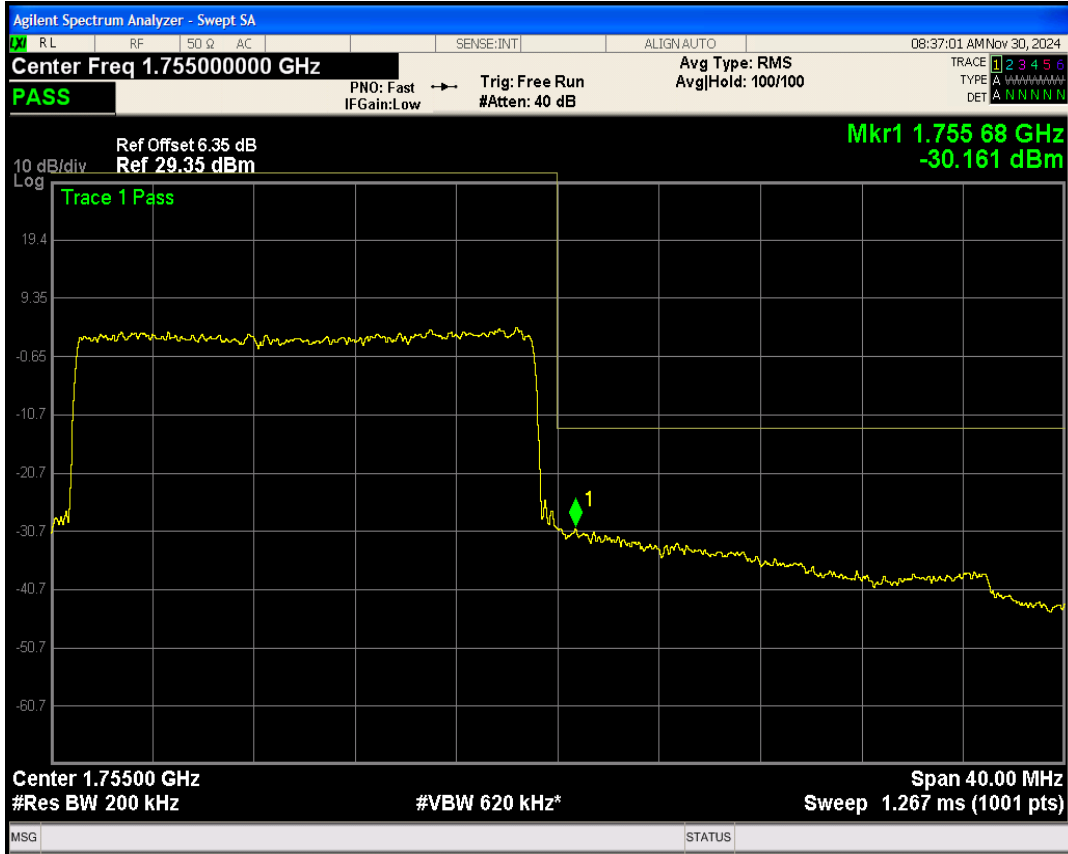
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



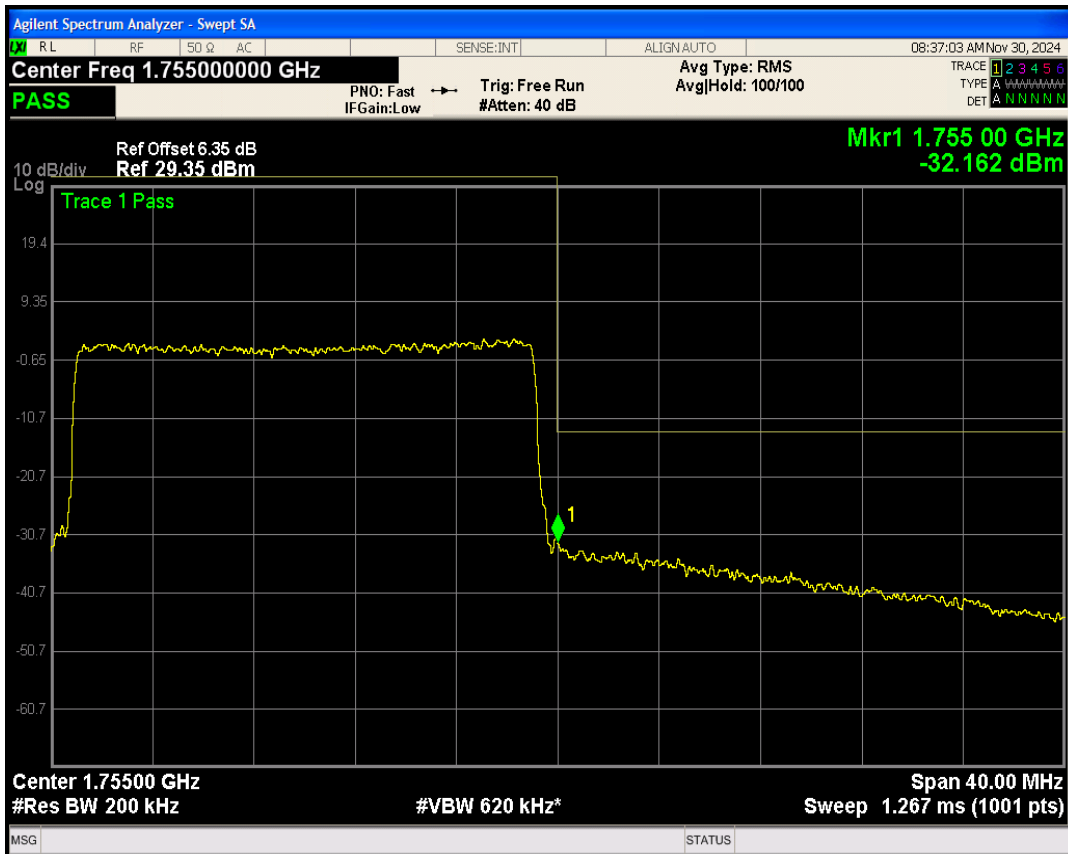
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



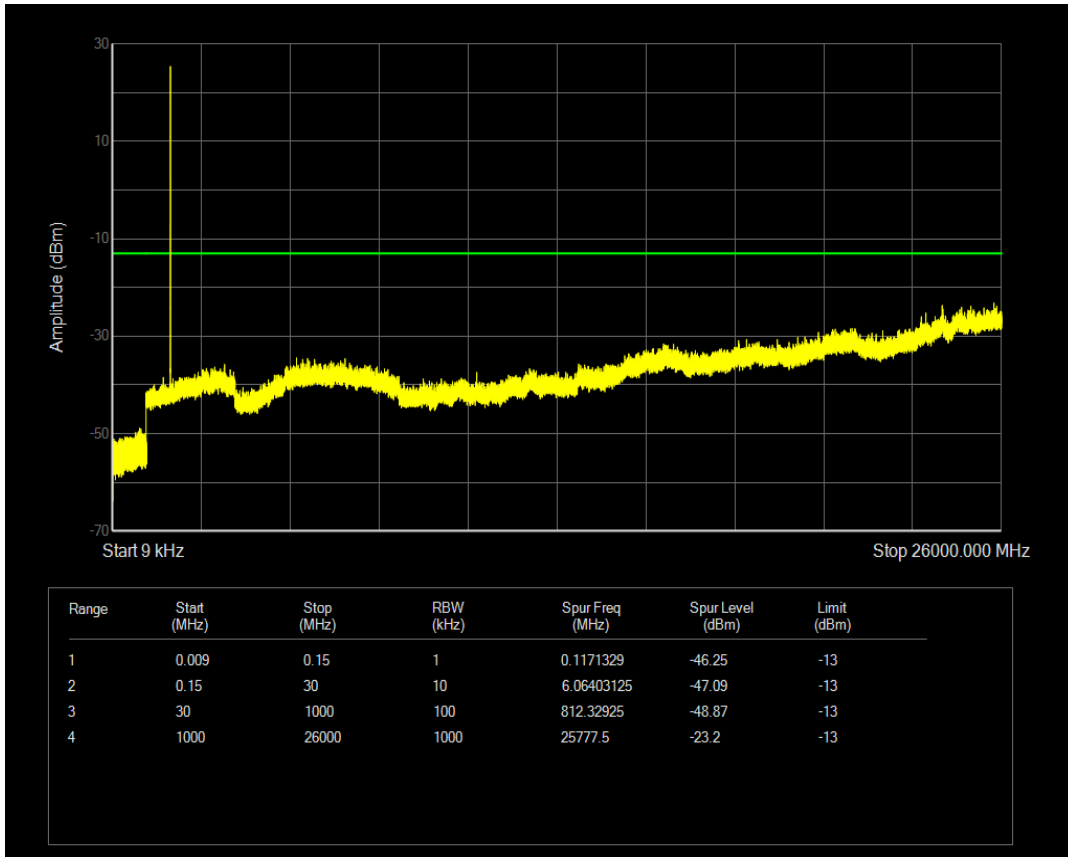
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



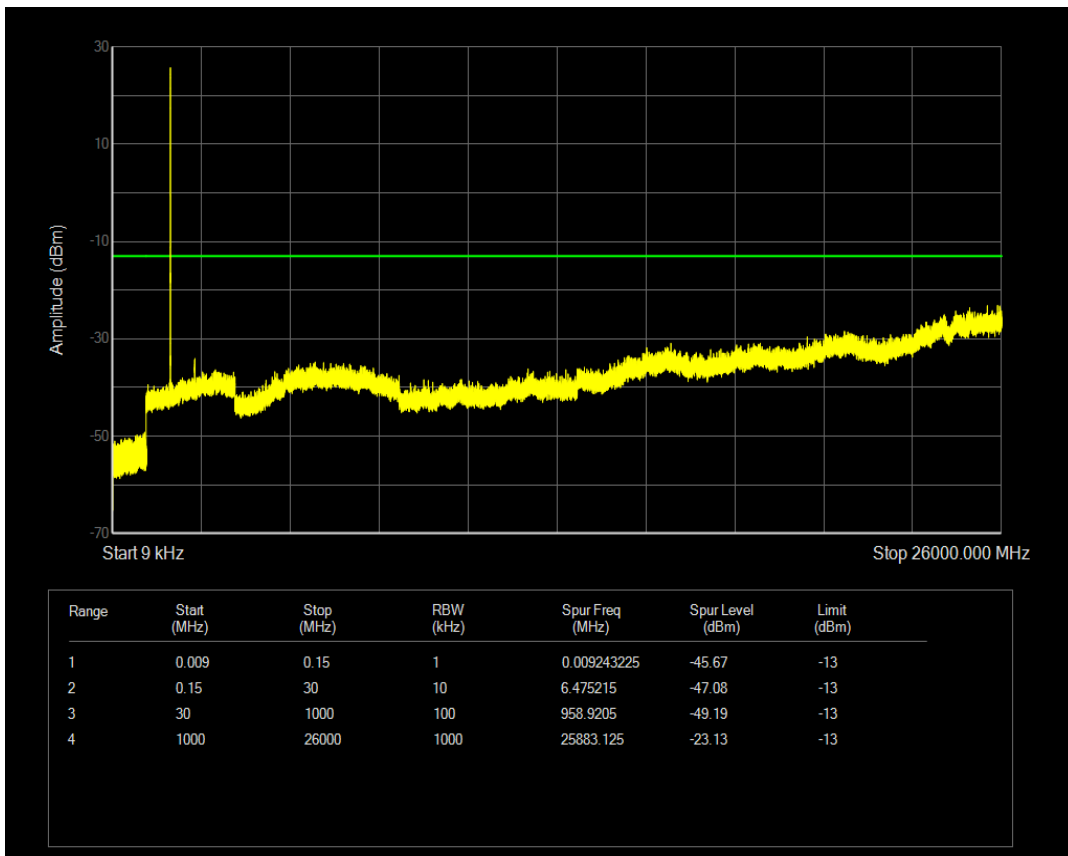
Appendix 6. Out-of-band emissions

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	25777.50	-23.20	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25883.13	-23.13	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25113.13	-22.68	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25793.13	-23.74	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25134.38	-23.69	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25808.75	-23.46	-13	PASS
Band4	3	19965	15	#0	QPSK	25270.63	-23.59	-13	PASS
Band4	3	19965	15	#0	16QAM	25987.50	-22.37	-13	PASS
Band4	3	20175	15	#0	QPSK	25755.00	-22.38	-13	PASS
Band4	3	20175	15	#0	16QAM	25782.50	-23.13	-13	PASS
Band4	3	20385	15	#0	QPSK	25317.50	-24.05	-13	PASS
Band4	3	20385	15	#0	16QAM	25110.63	-23.85	-13	PASS
Band4	5	19975	25	#0	QPSK	25560.63	-24.14	-13	PASS
Band4	5	19975	25	#0	16QAM	25502.50	-23.19	-13	PASS
Band4	5	20175	25	#0	QPSK	25450.63	-22.92	-13	PASS
Band4	5	20175	25	#0	16QAM	25223.13	-23.79	-13	PASS
Band4	5	20375	25	#0	QPSK	25762.50	-23.65	-13	PASS
Band4	5	20375	25	#0	16QAM	25510.63	-22.91	-13	PASS
Band4	10	20000	50	#0	QPSK	24246.25	-22.63	-13	PASS
Band4	10	20000	50	#0	16QAM	25116.88	-23.88	-13	PASS
Band4	10	20175	50	#0	QPSK	25895.63	-23.75	-13	PASS
Band4	10	20175	50	#0	16QAM	25969.38	-23.51	-13	PASS
Band4	10	20350	50	#0	QPSK	25798.13	-22.92	-13	PASS
Band4	10	20350	50	#0	16QAM	25488.13	-23.27	-13	PASS
Band4	15	20025	75	#0	QPSK	25126.25	-22.98	-13	PASS
Band4	15	20025	75	#0	16QAM	25345.00	-23.62	-13	PASS
Band4	15	20175	75	#0	QPSK	25801.88	-23.30	-13	PASS
Band4	15	20175	75	#0	16QAM	25833.75	-23.61	-13	PASS
Band4	15	20325	75	#0	QPSK	25921.25	-24.20	-13	PASS
Band4	15	20325	75	#0	16QAM	25799.38	-23.17	-13	PASS
Band4	20	20050	100	#0	QPSK	25853.13	-24.14	-13	PASS
Band4	20	20050	100	#0	16QAM	25080.63	-23.15	-13	PASS
Band4	20	20175	100	#0	QPSK	25901.25	-23.11	-13	PASS
Band4	20	20175	100	#0	16QAM	24938.13	-23.55	-13	PASS
Band4	20	20300	100	#0	QPSK	25642.50	-24.01	-13	PASS
Band4	20	20300	100	#0	16QAM	25342.50	-24.07	-13	PASS

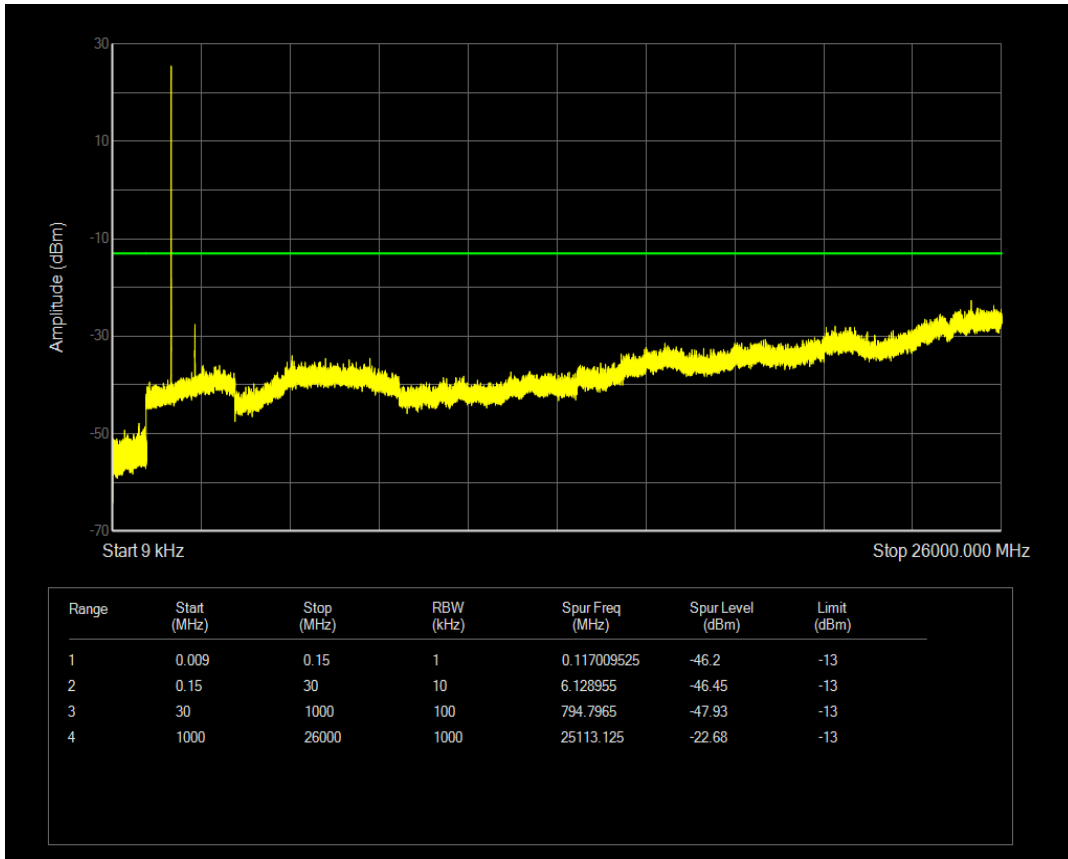
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



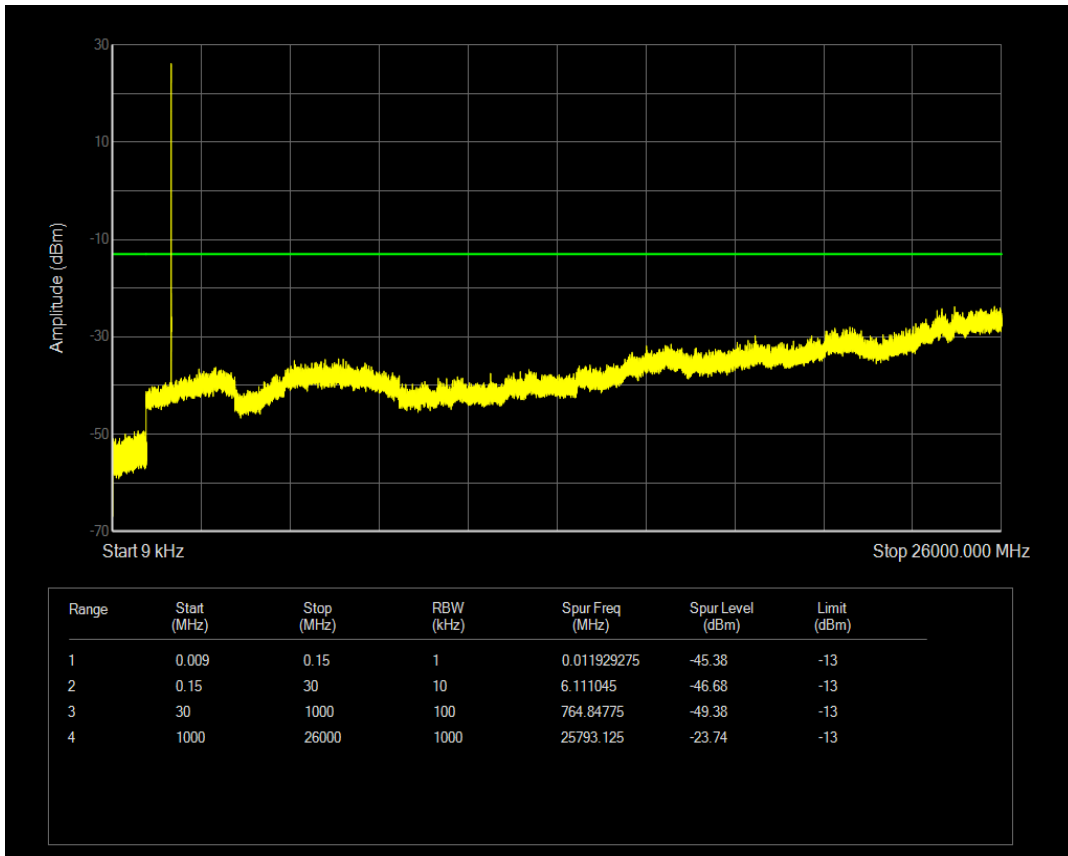
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



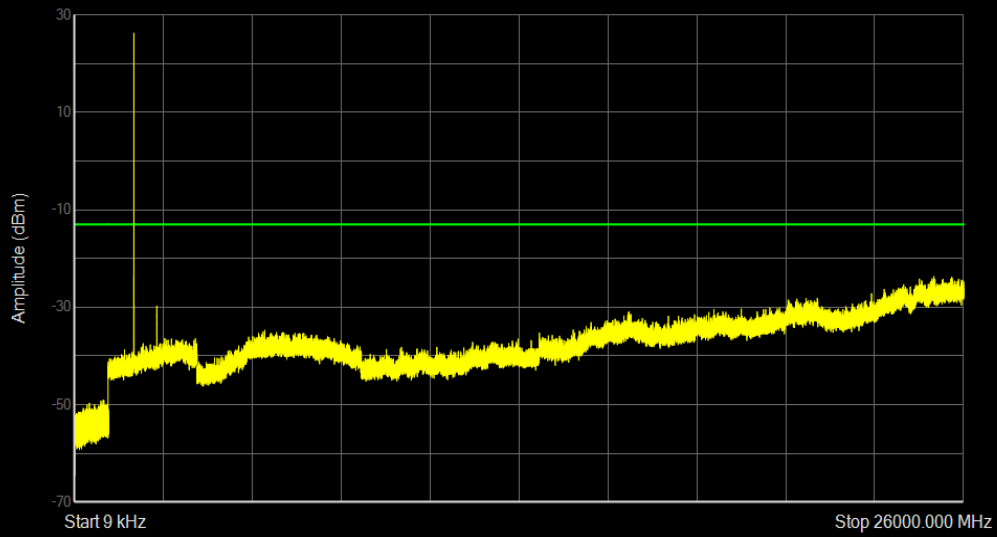
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



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

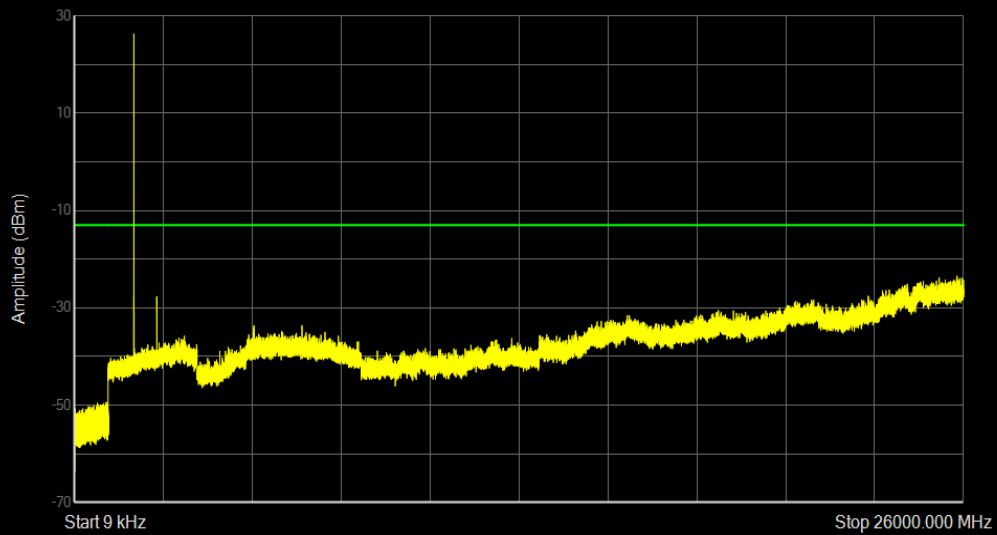


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



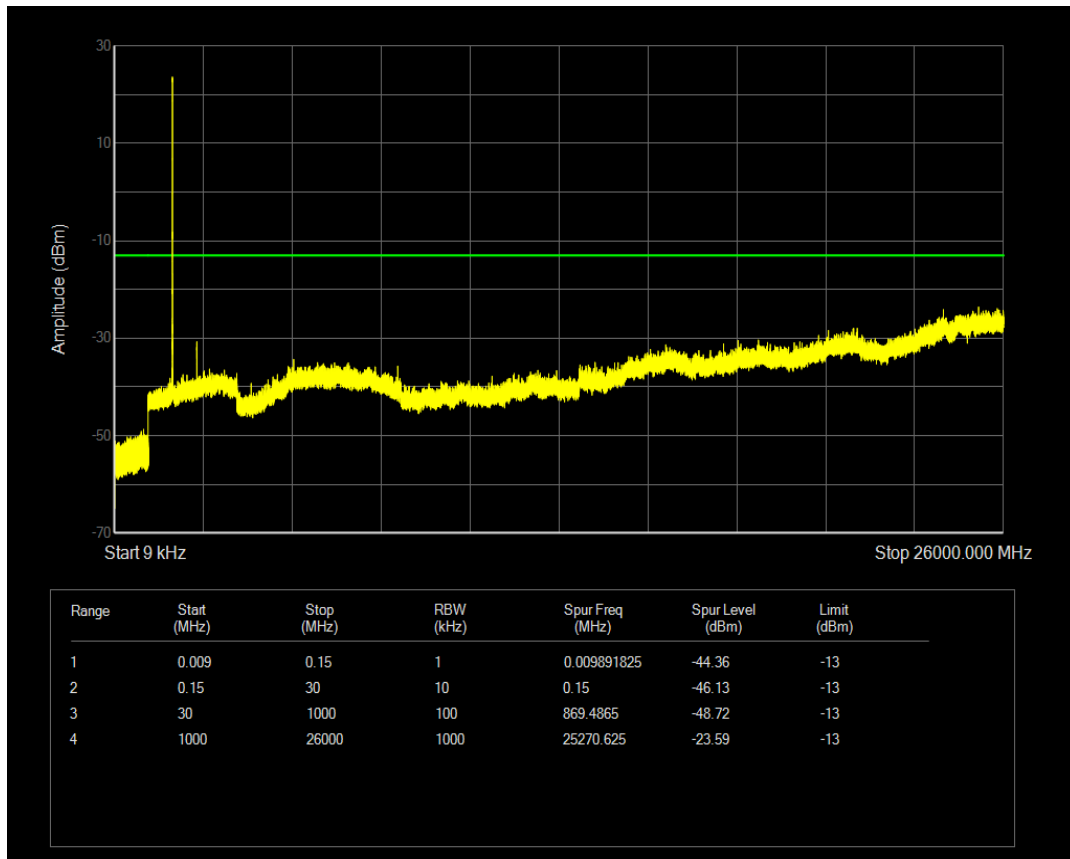
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116671125	-45.62	-13
2	0.15	30	10	6.50282625	-47.26	-13
3	30	1000	100	857.91925	-49.06	-13
4	1000	26000	1000	25134.375	-23.69	-13

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

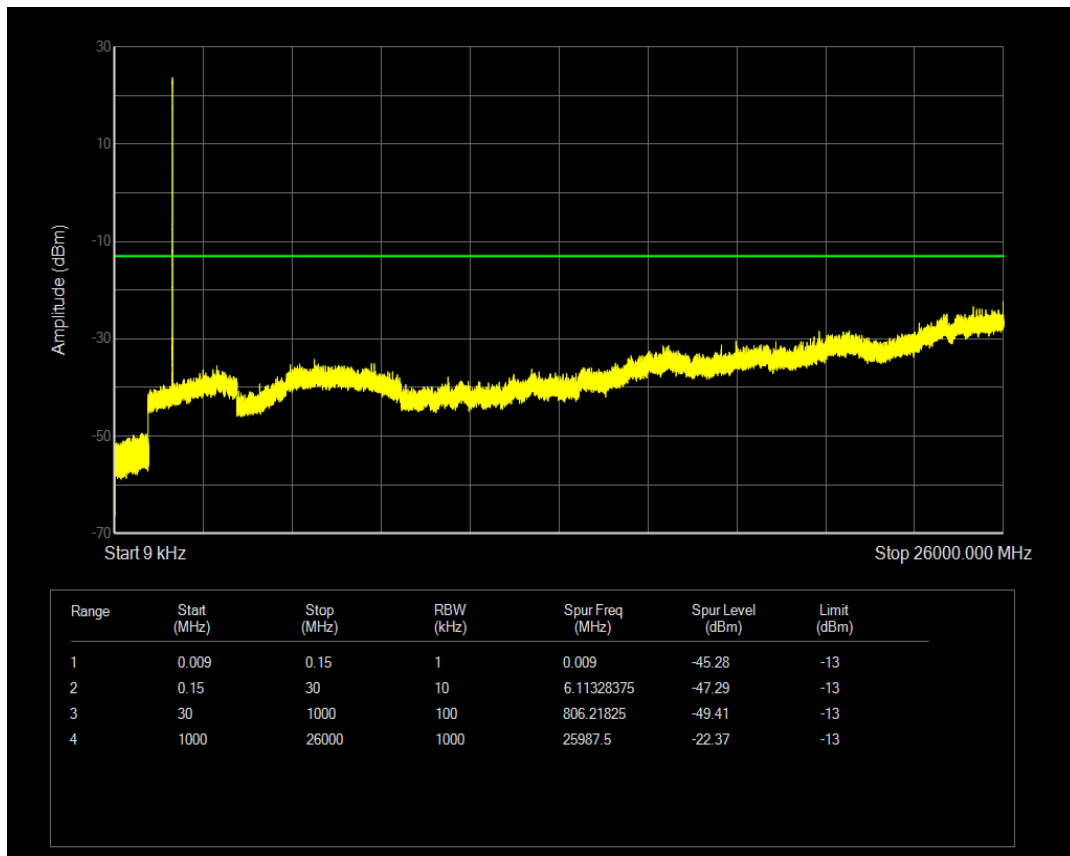


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009567525	-45.09	-13
2	0.15	30	10	6.1155225	-46.18	-13
3	30	1000	100	940.0055	-49.42	-13
4	1000	26000	1000	25808.75	-23.46	-13

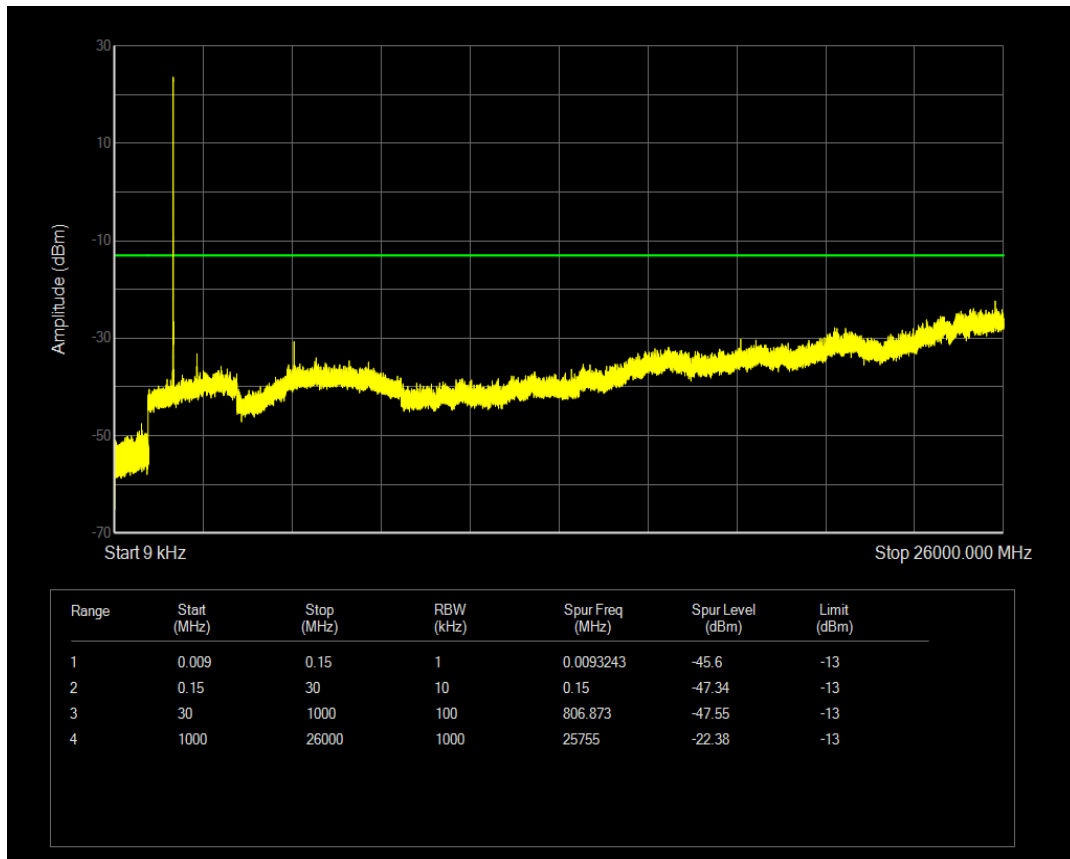
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



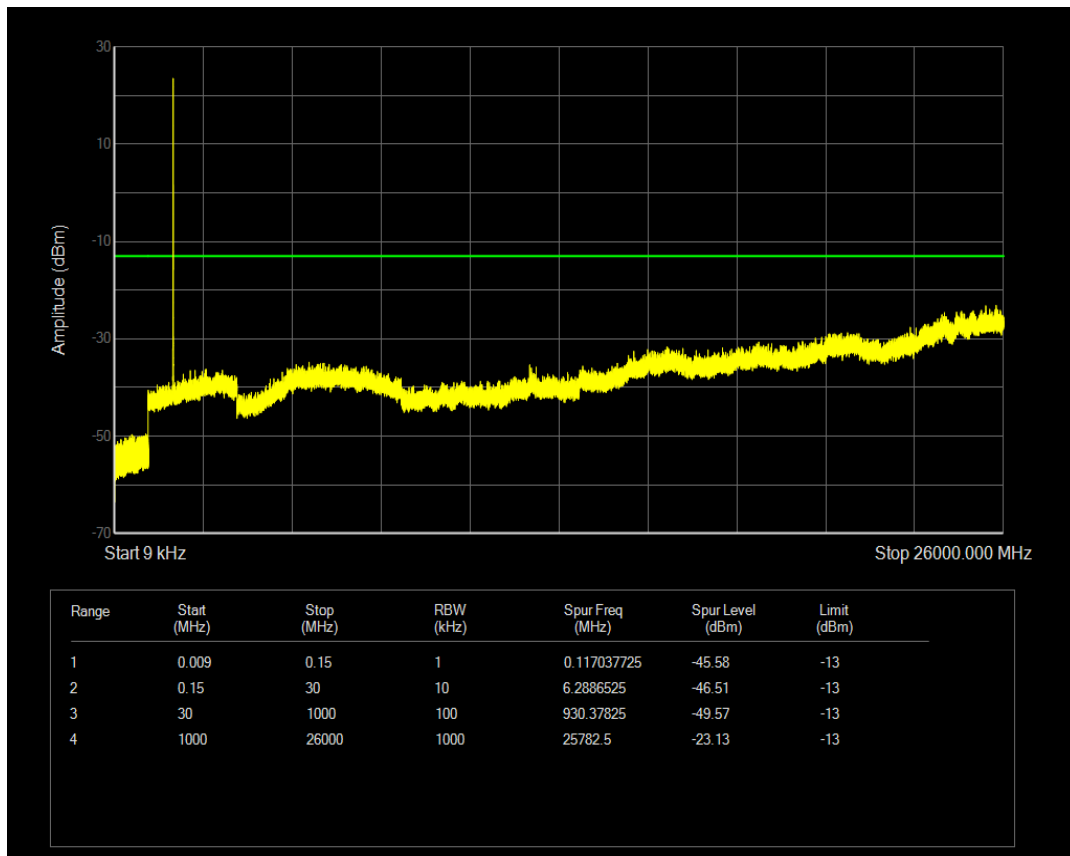
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



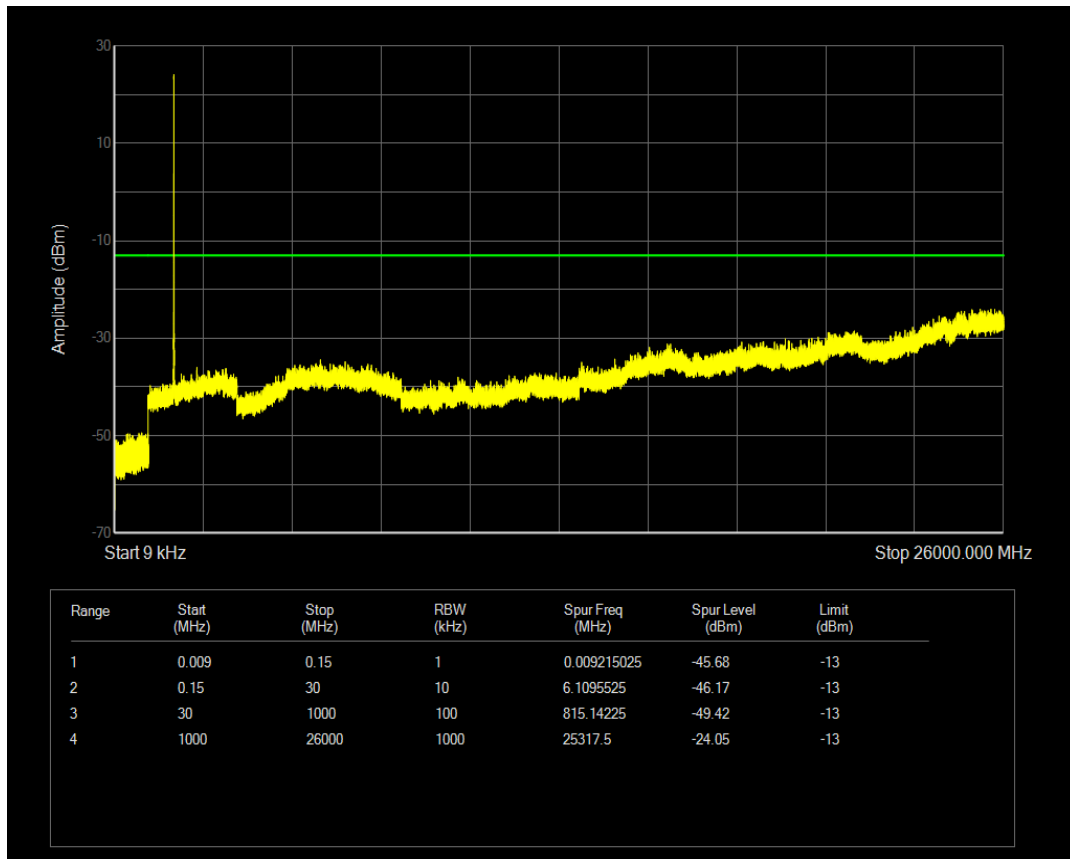
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



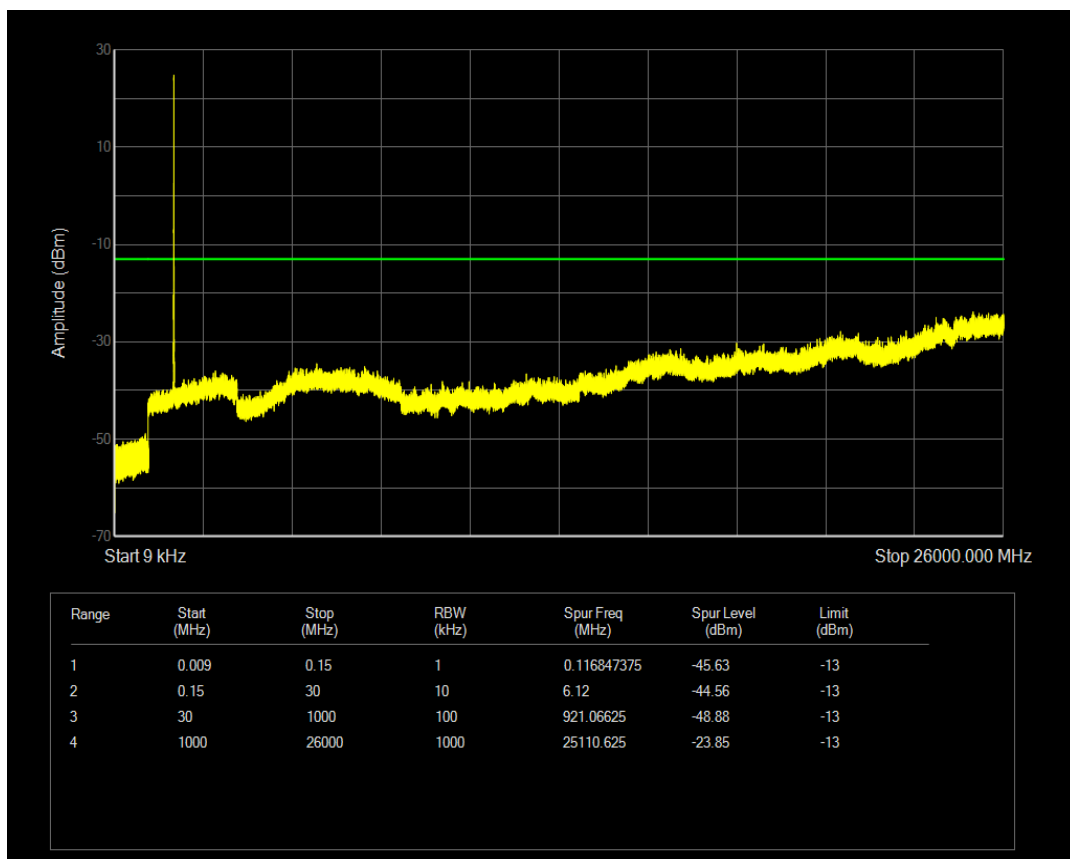
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



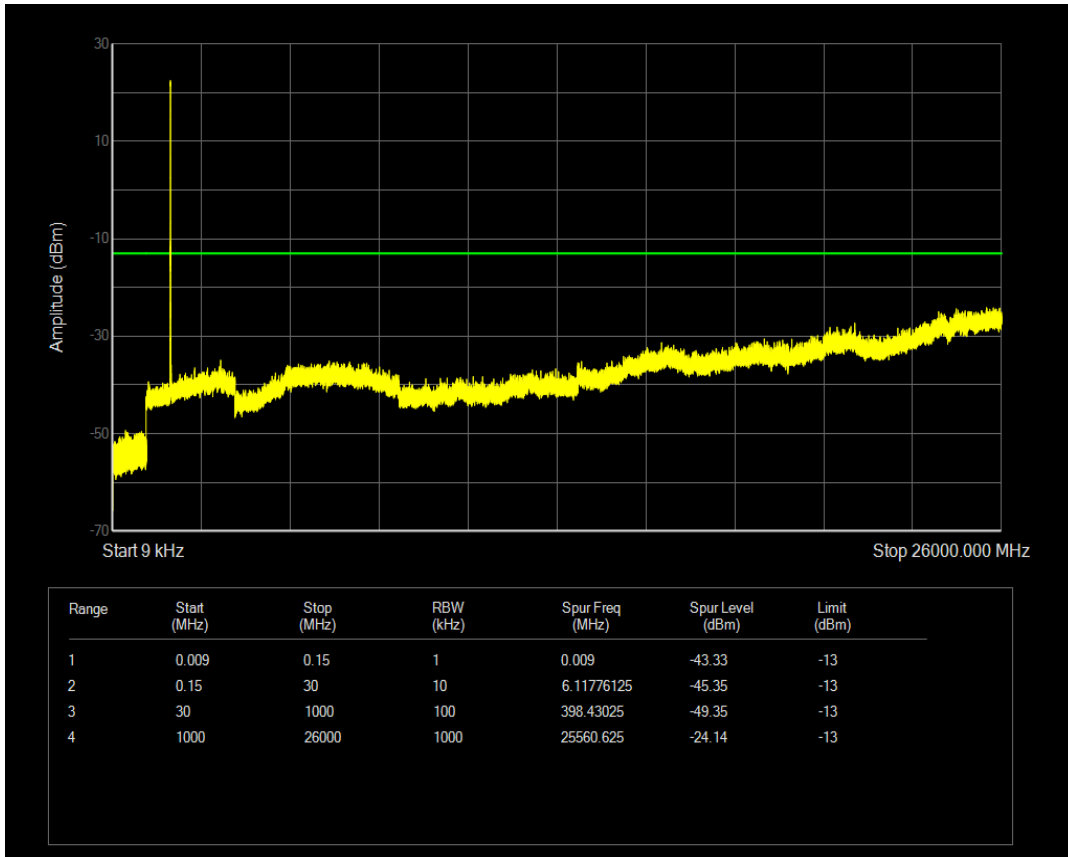
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



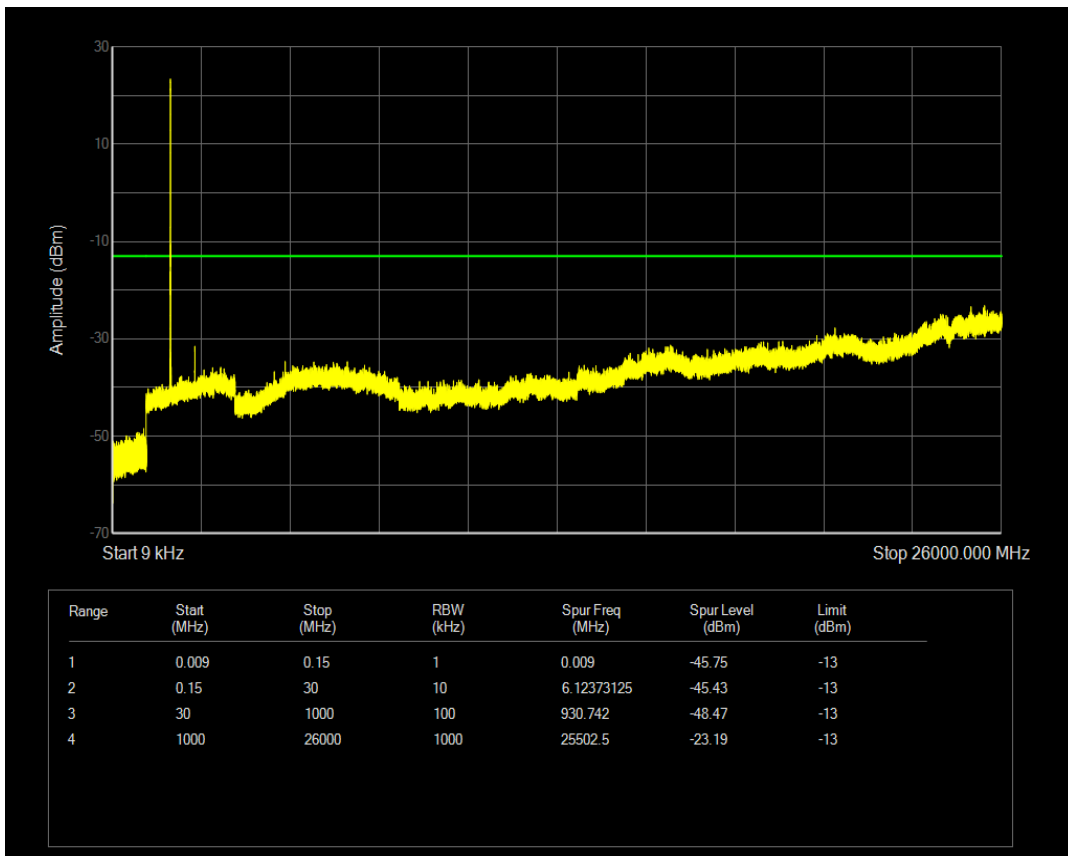
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



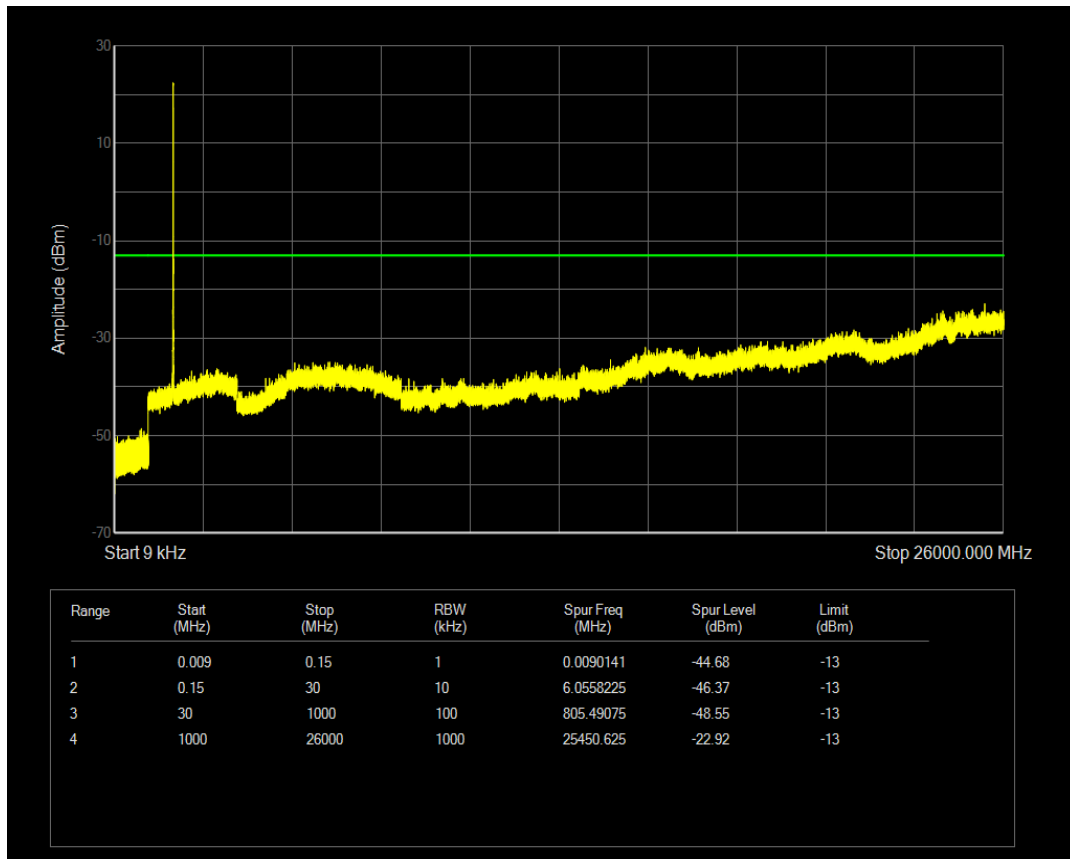
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



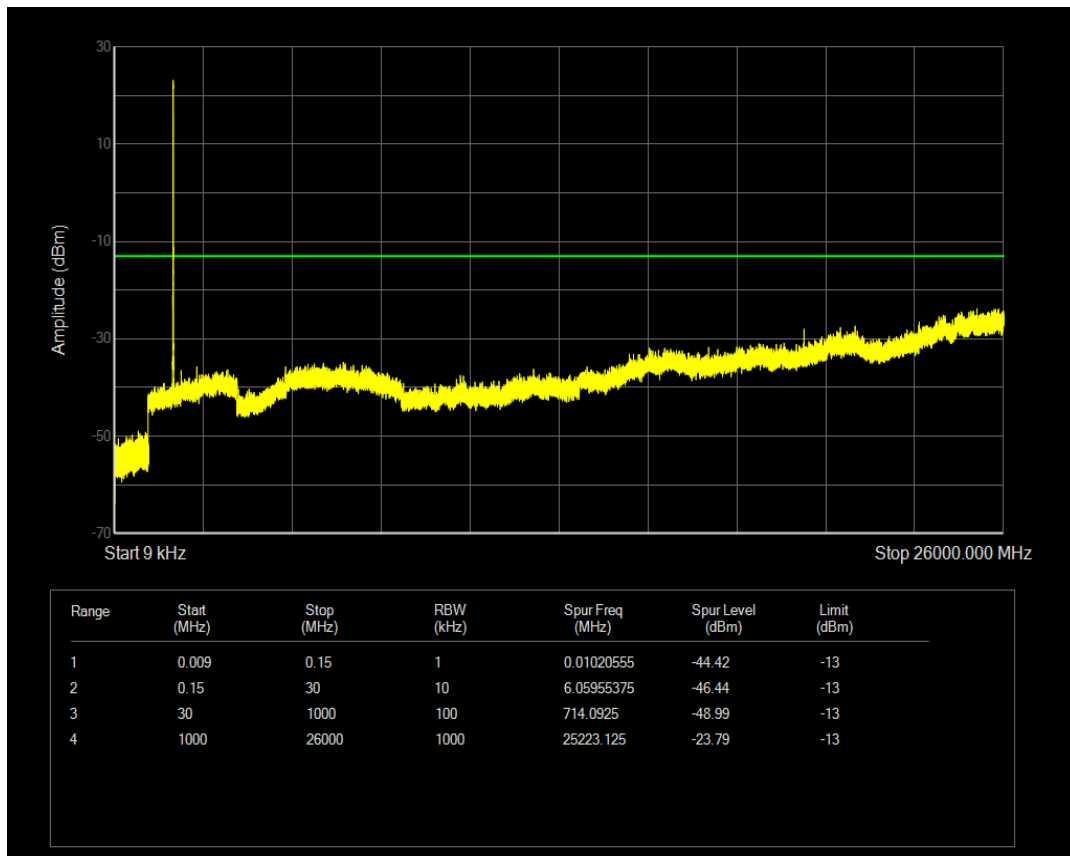
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



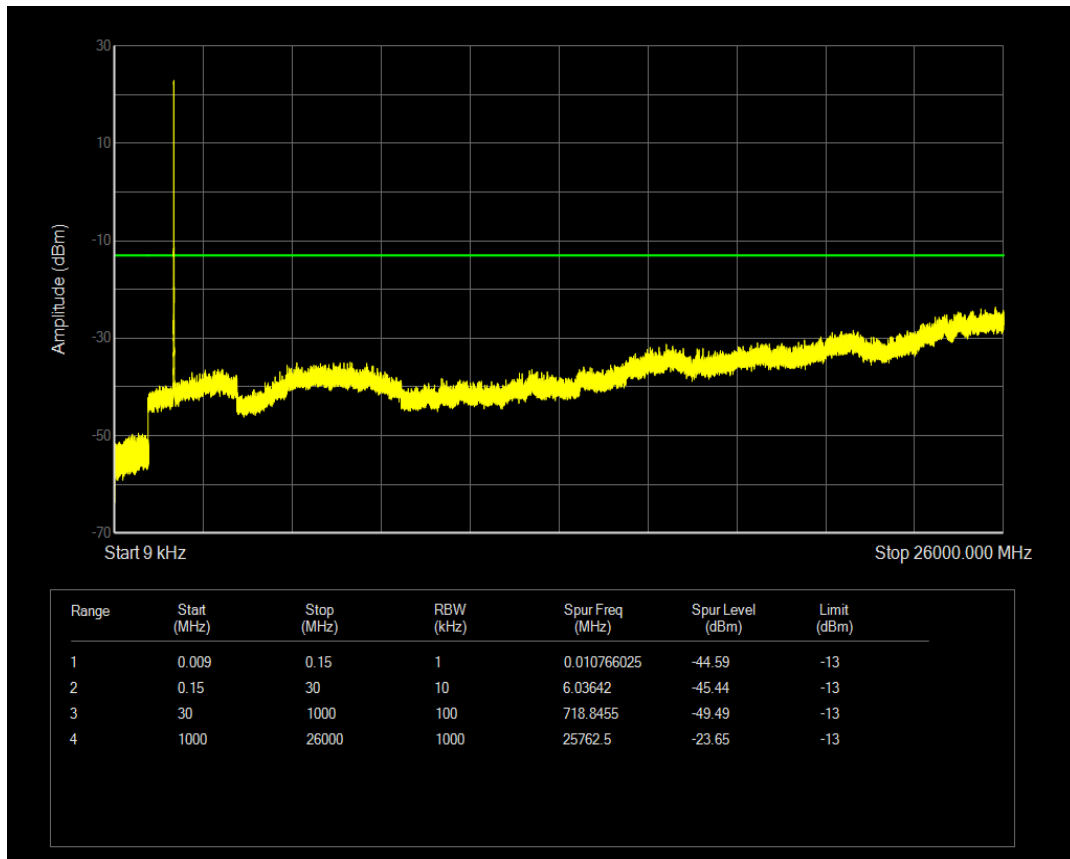
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



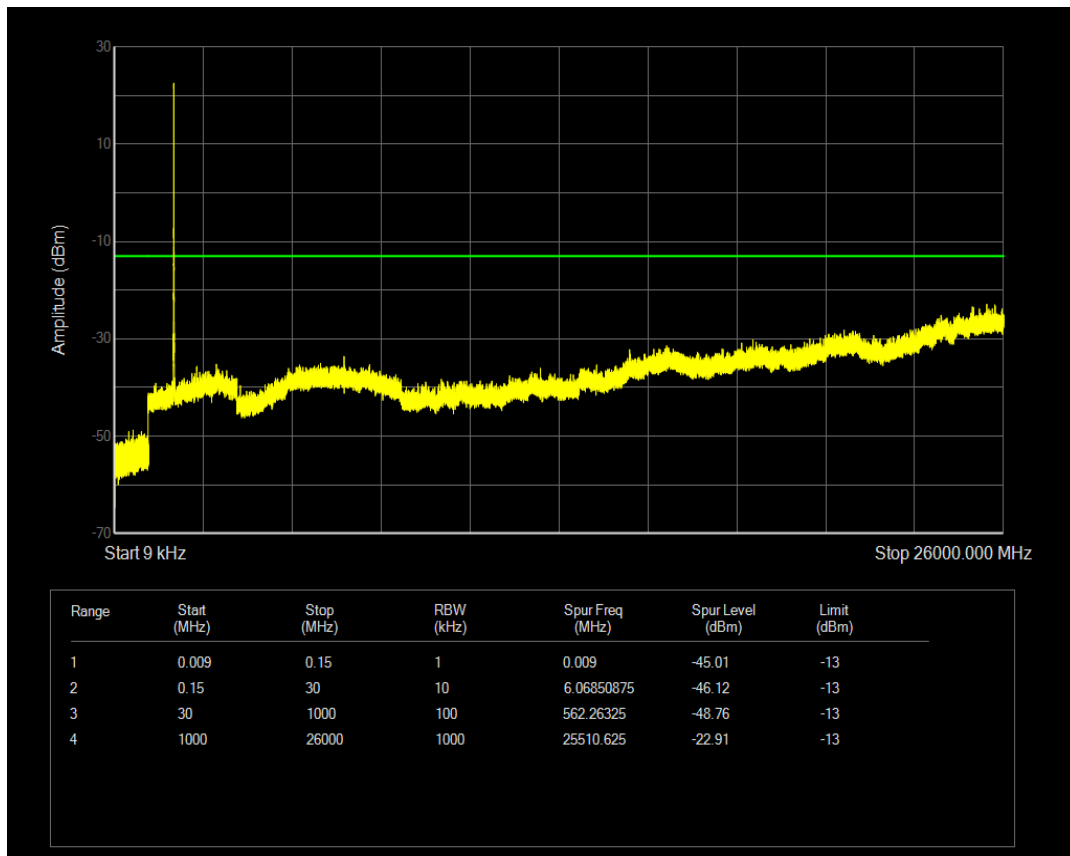
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



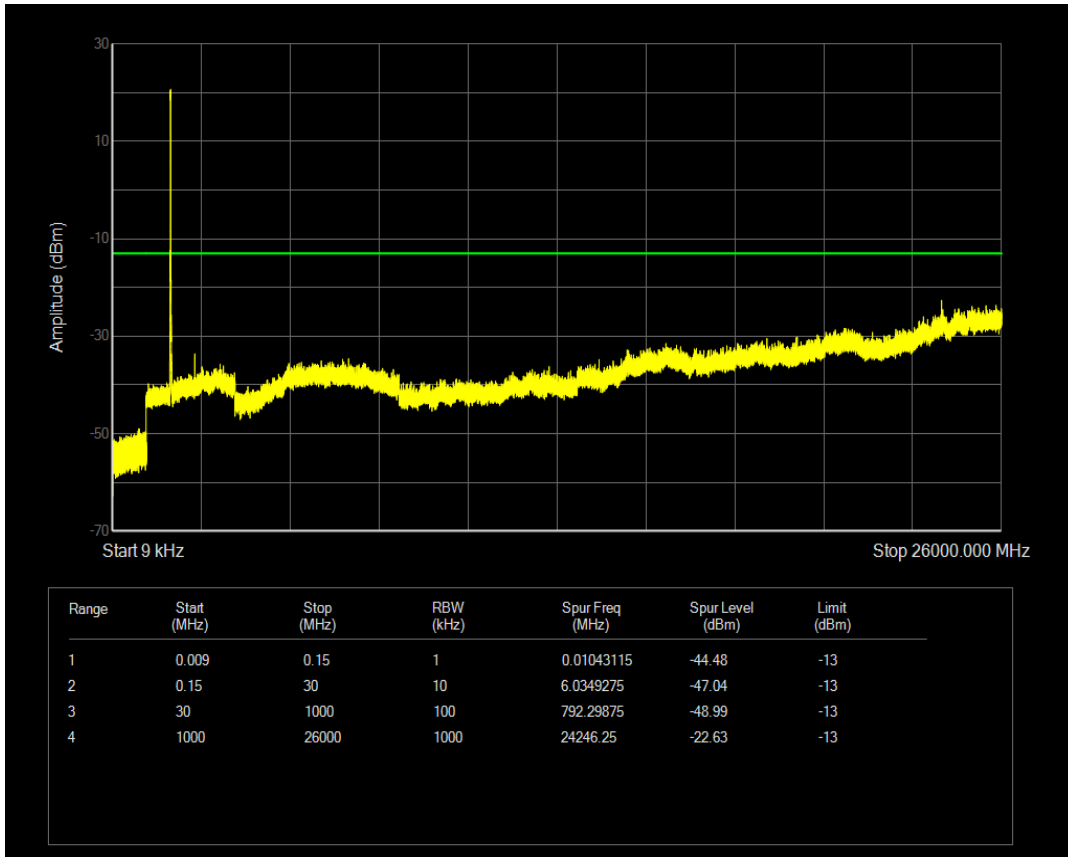
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



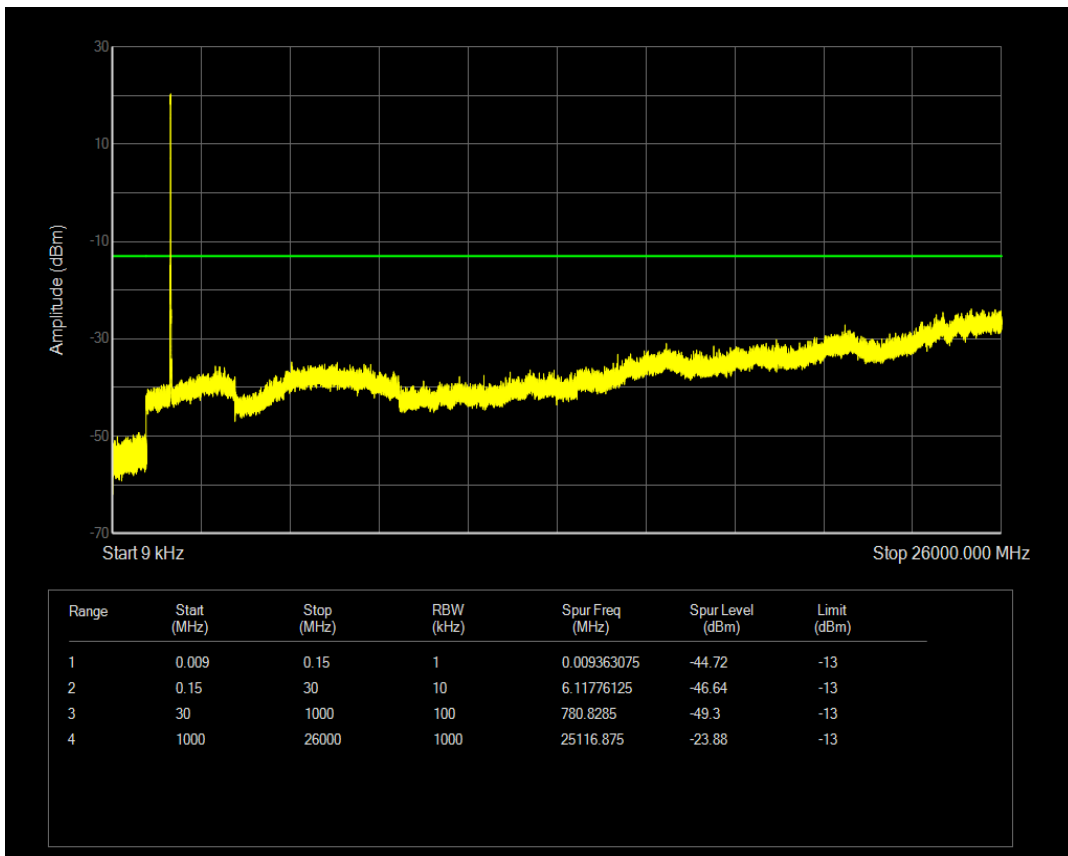
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



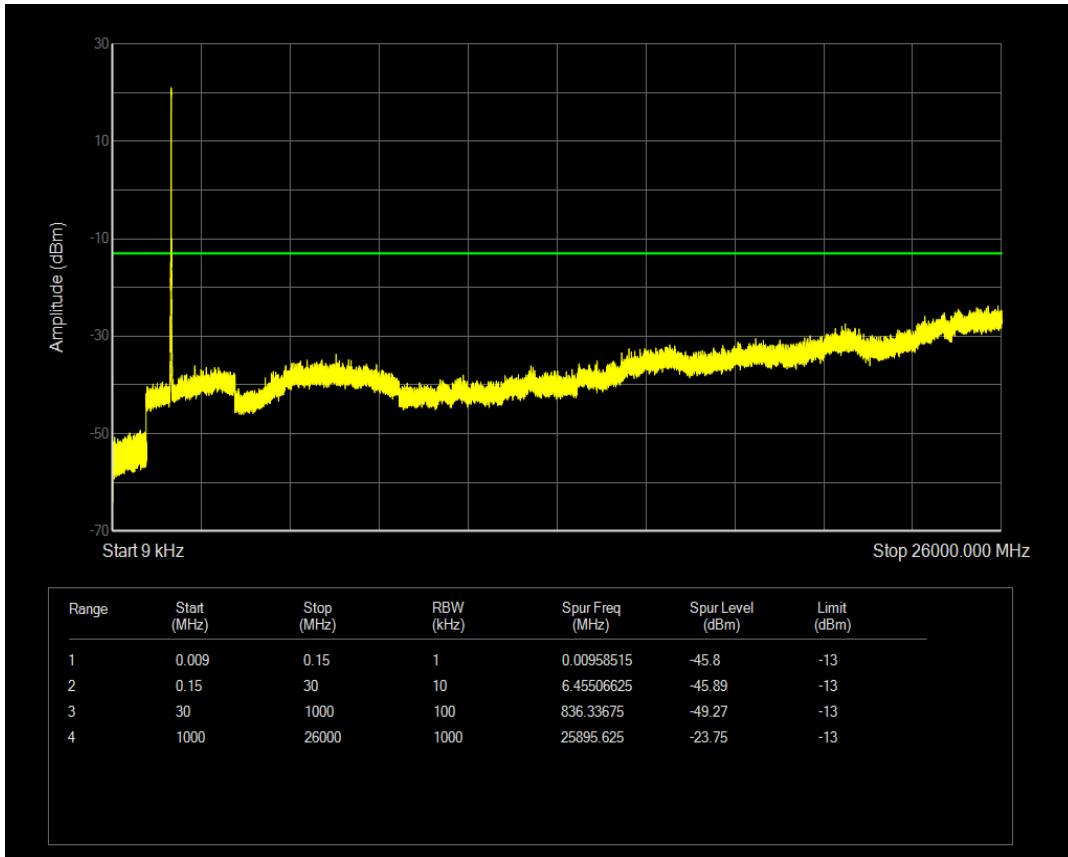
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



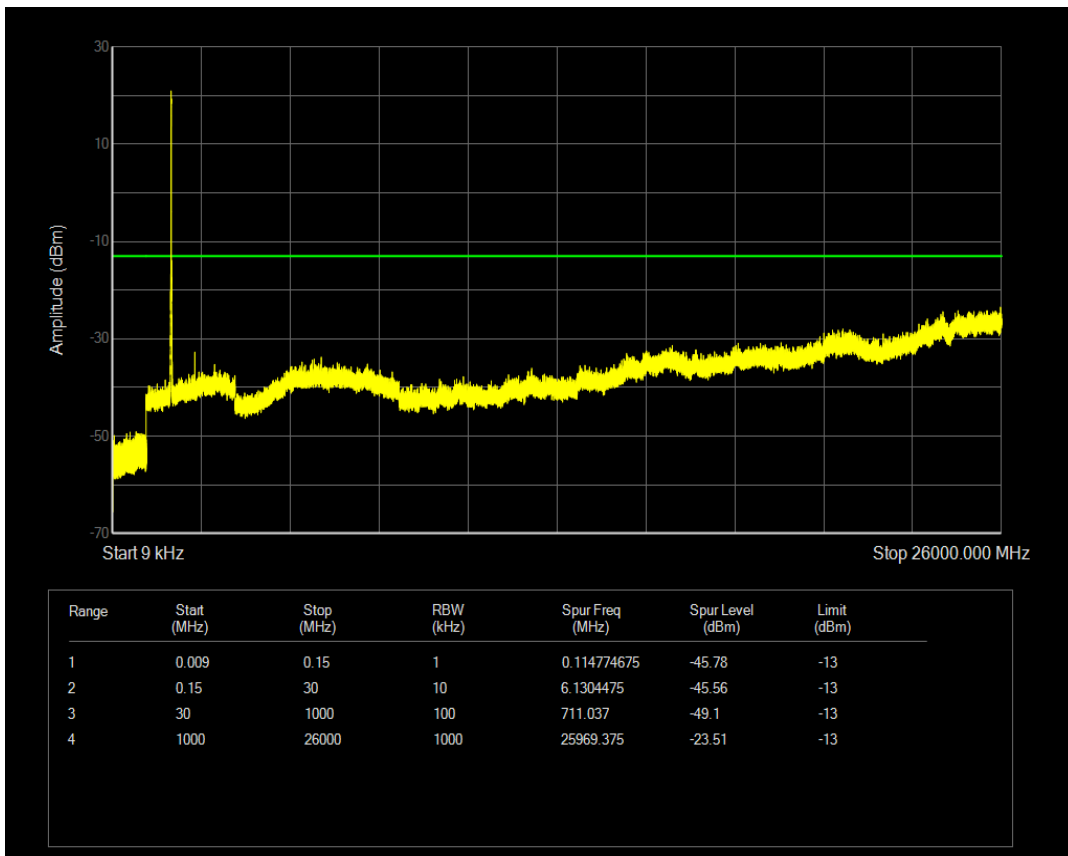
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



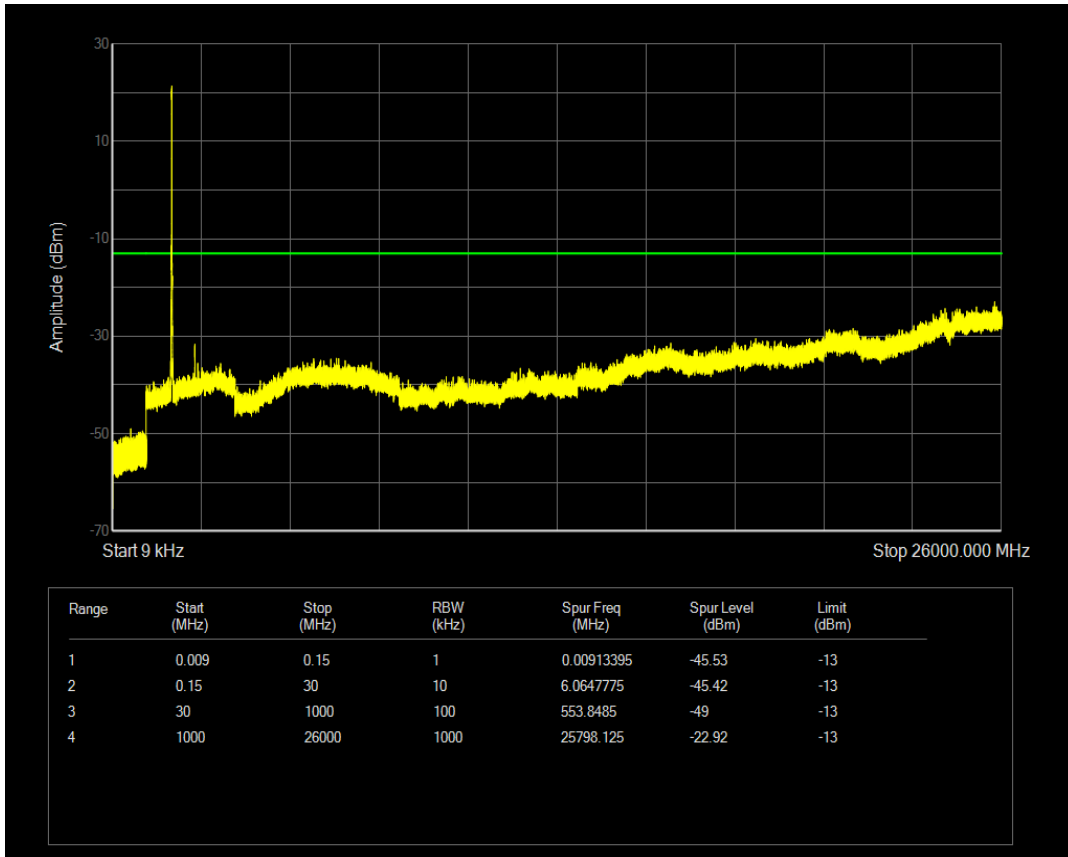
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



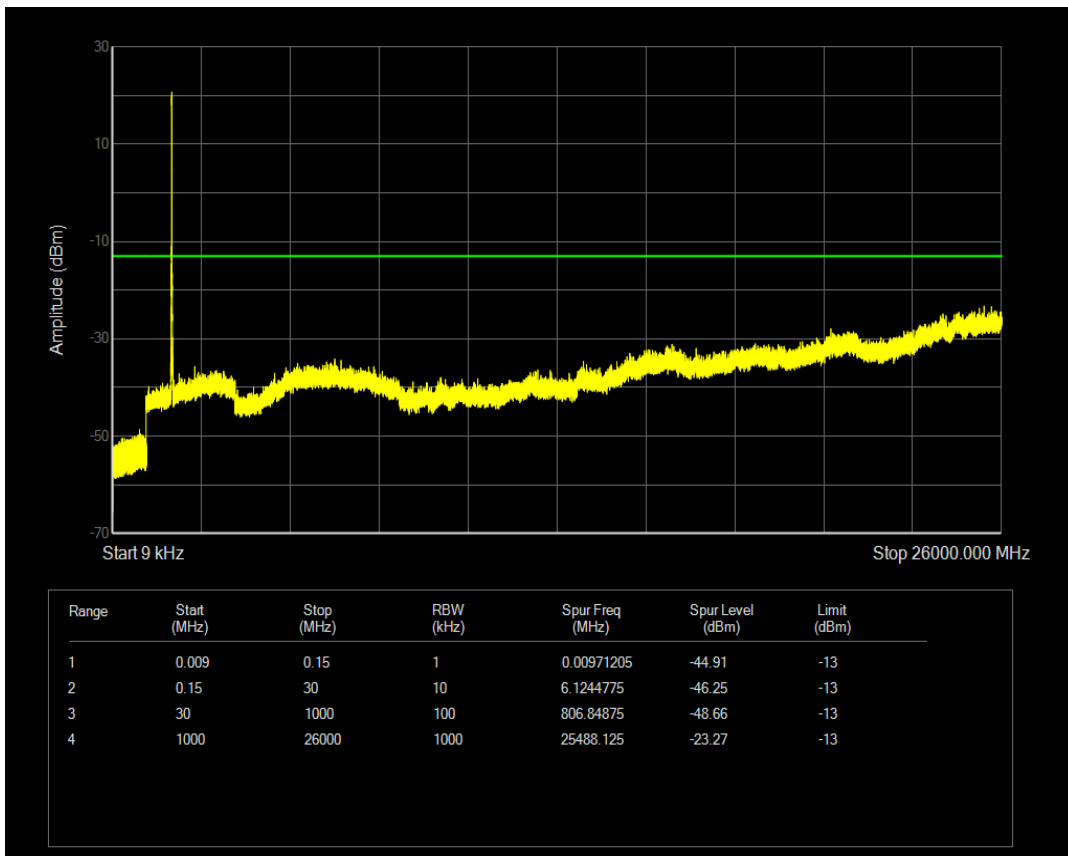
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



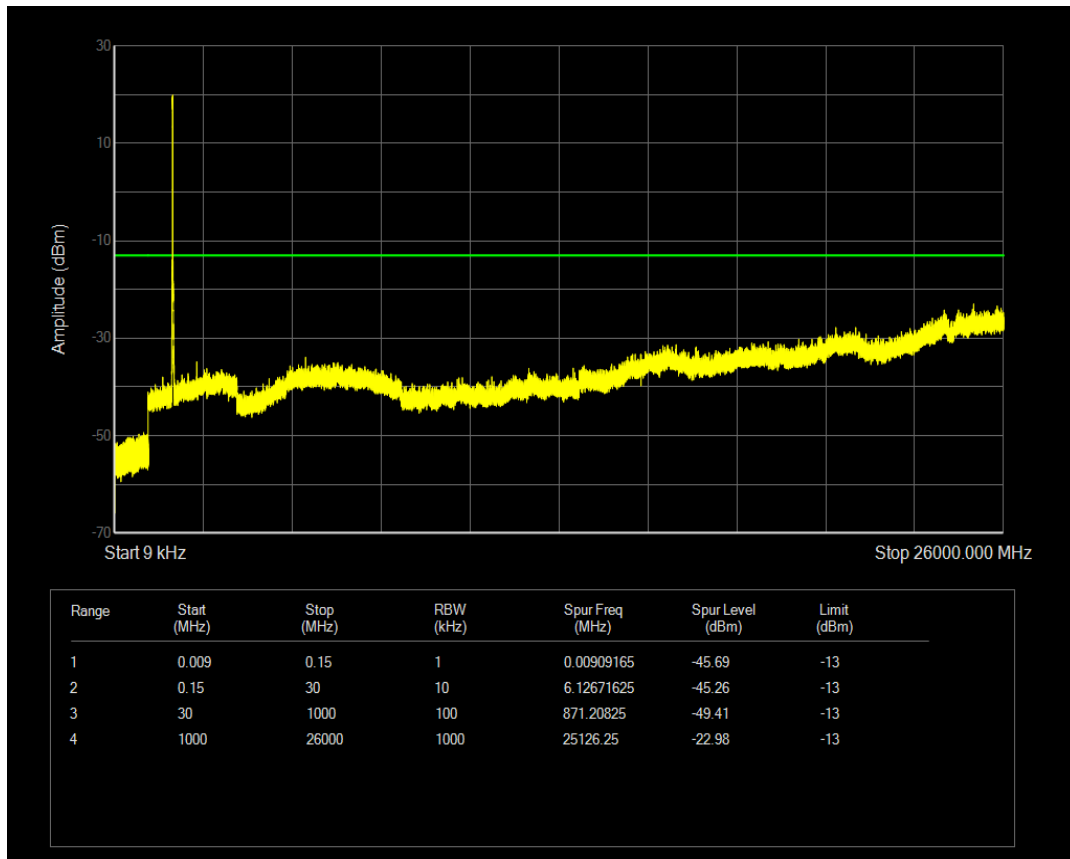
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



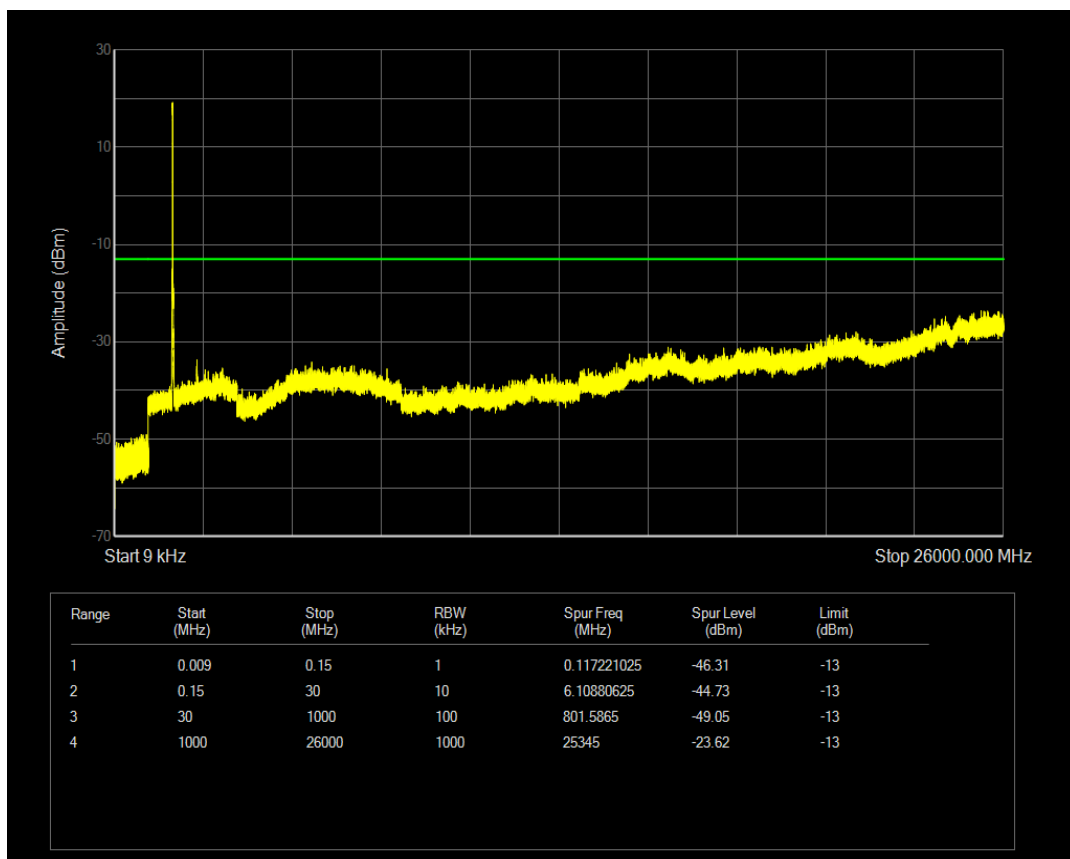
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



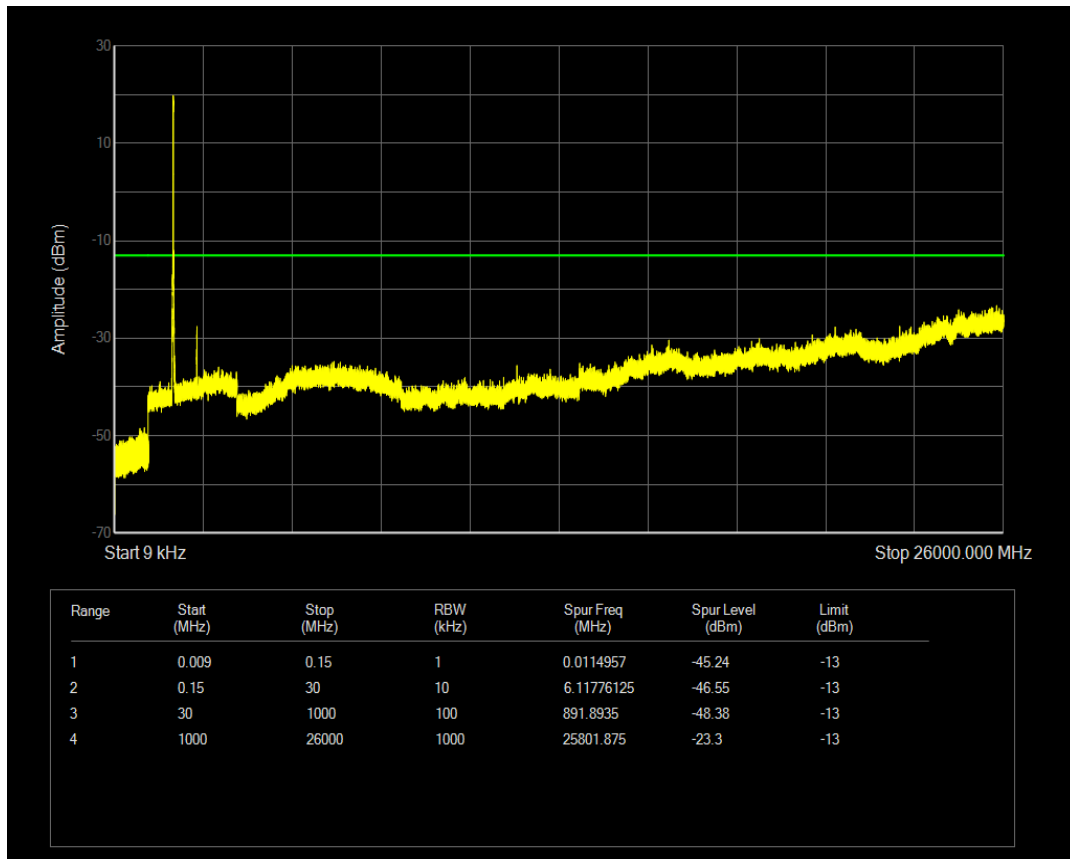
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



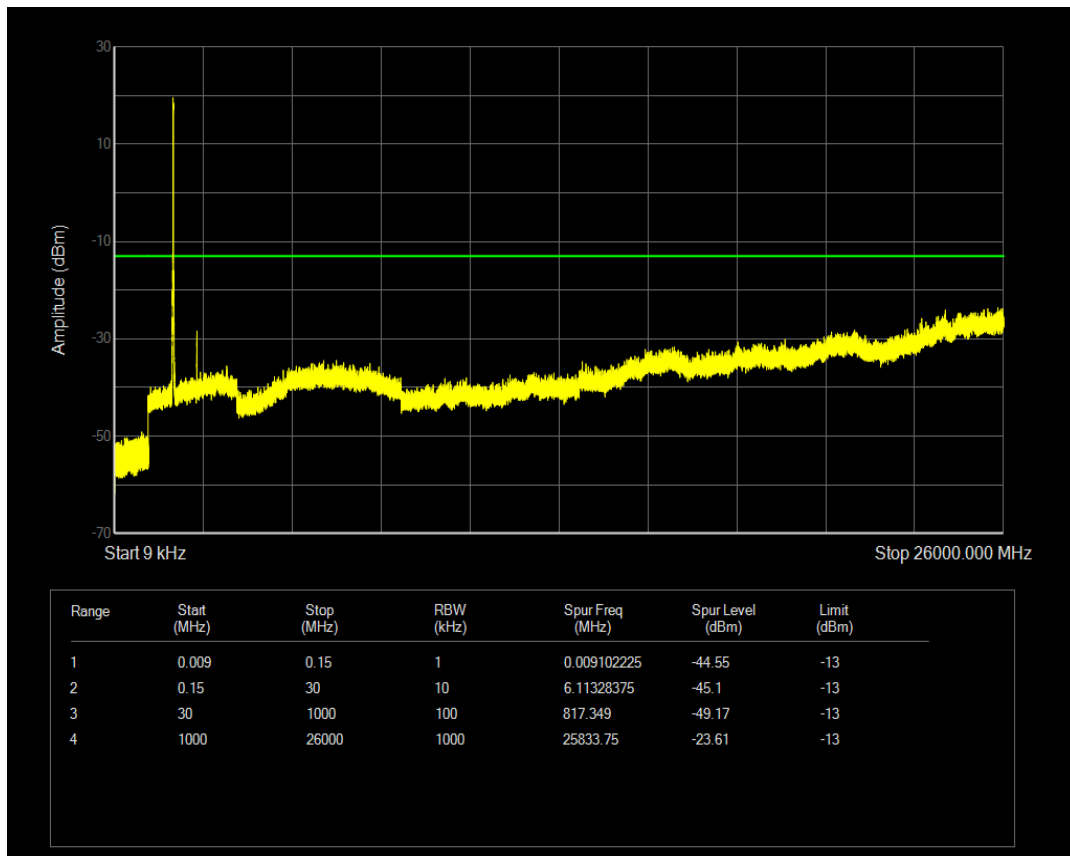
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



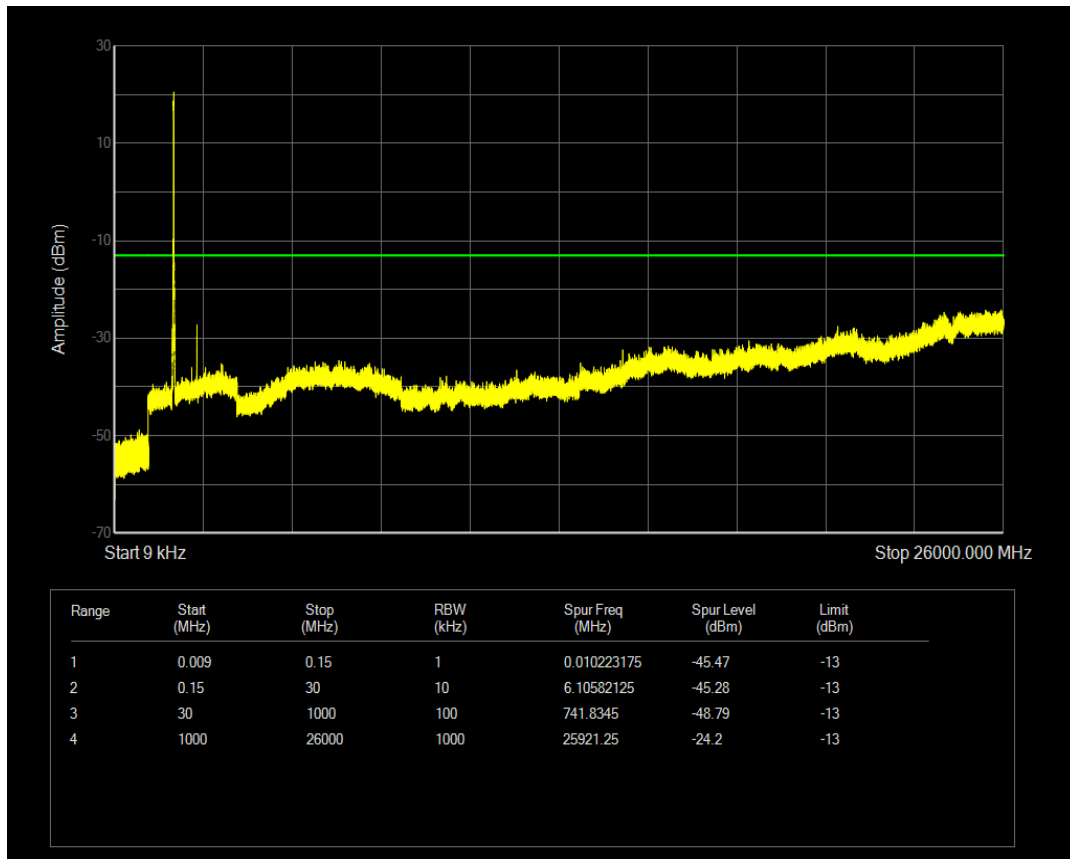
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



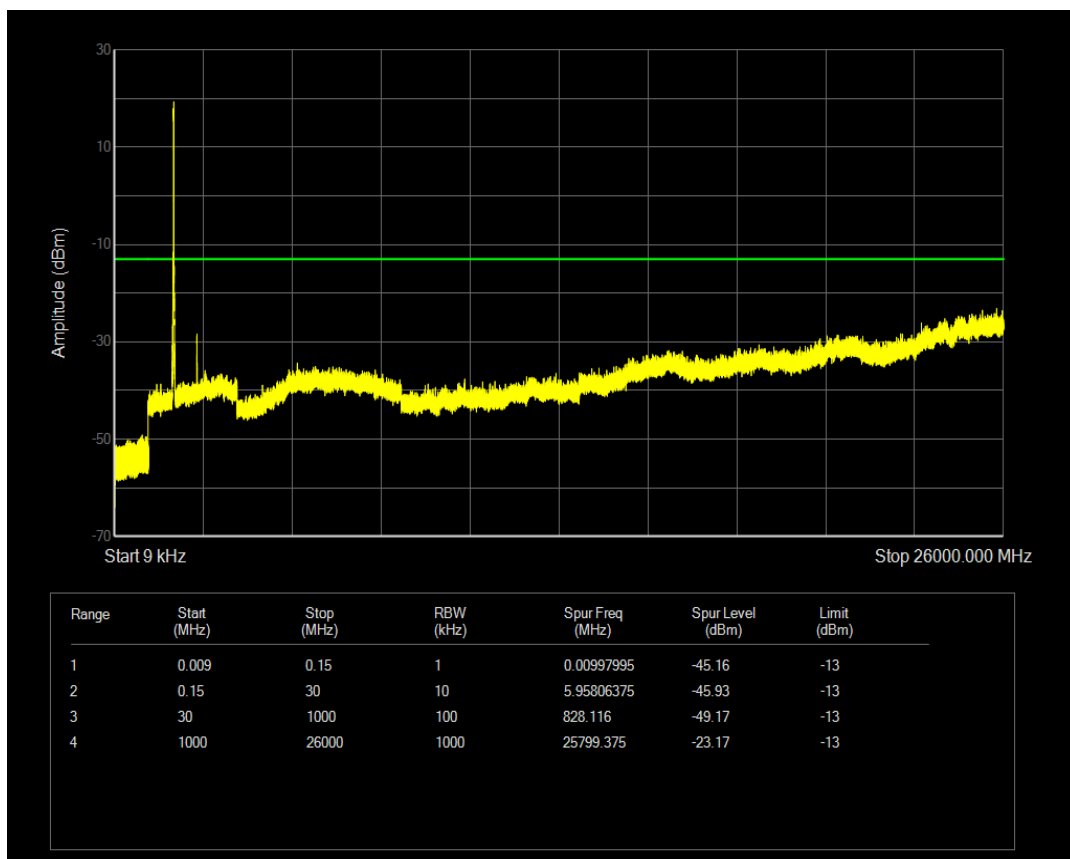
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



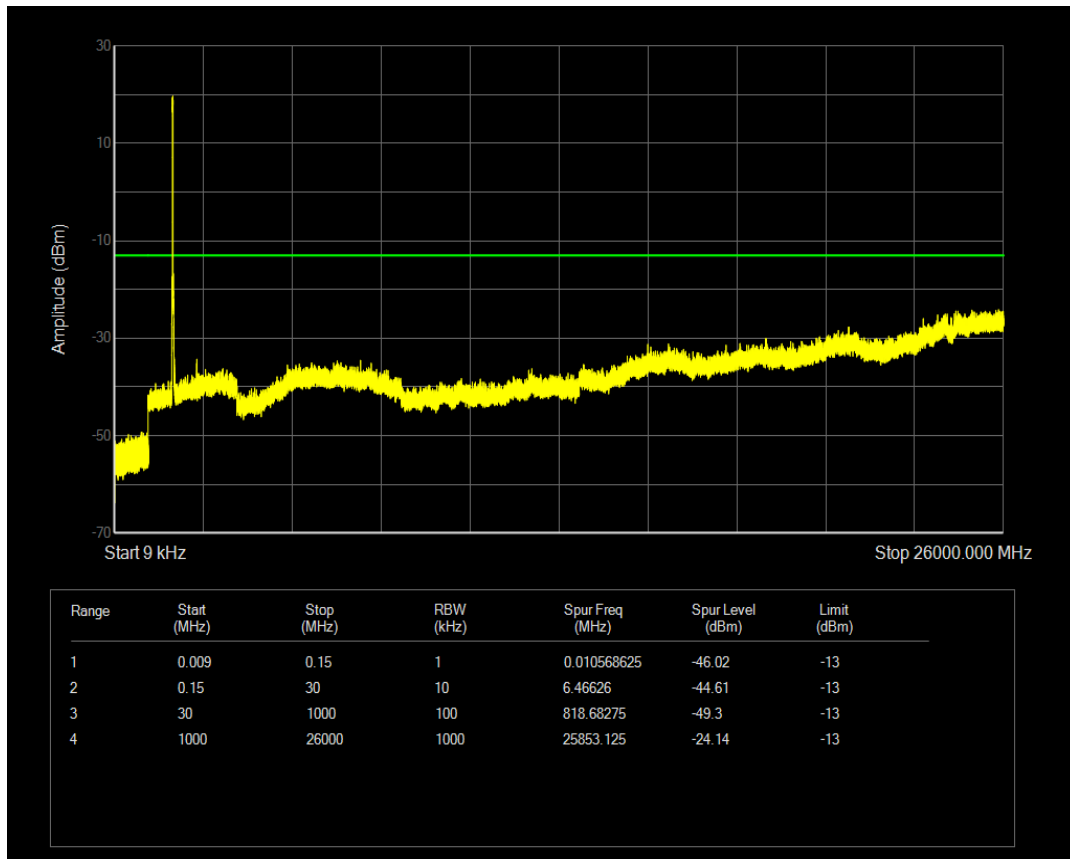
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



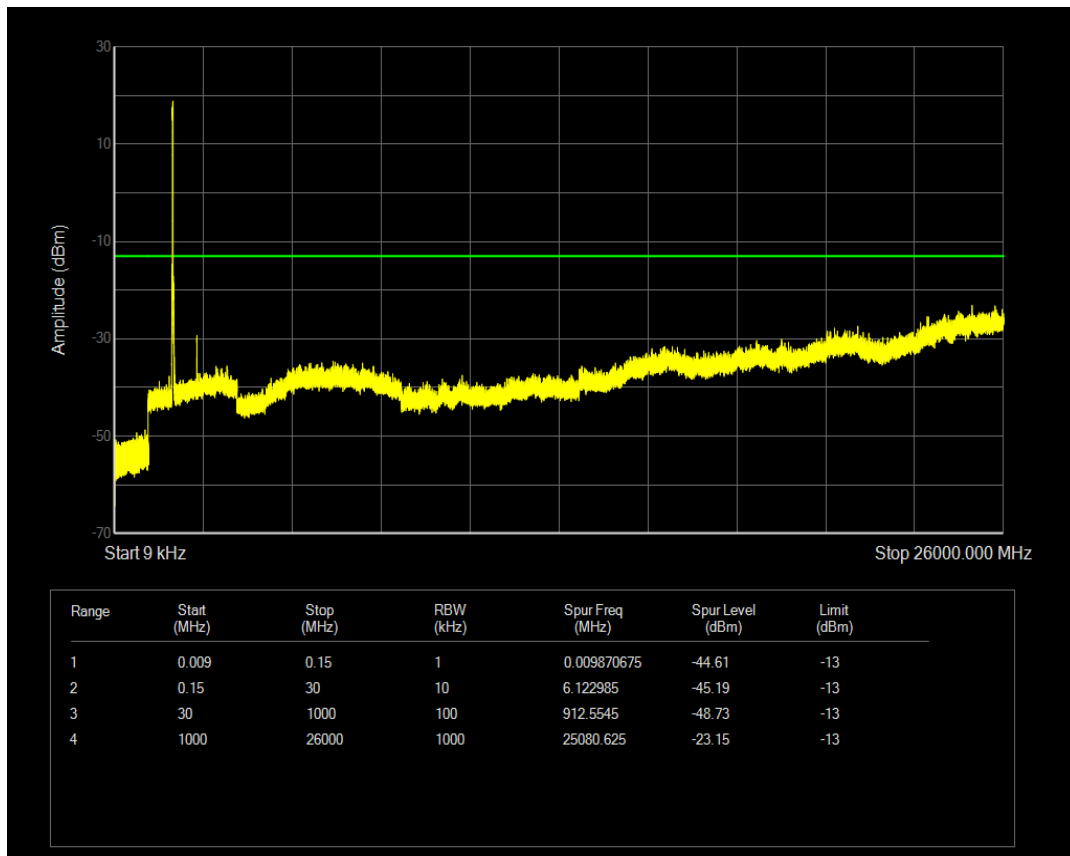
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



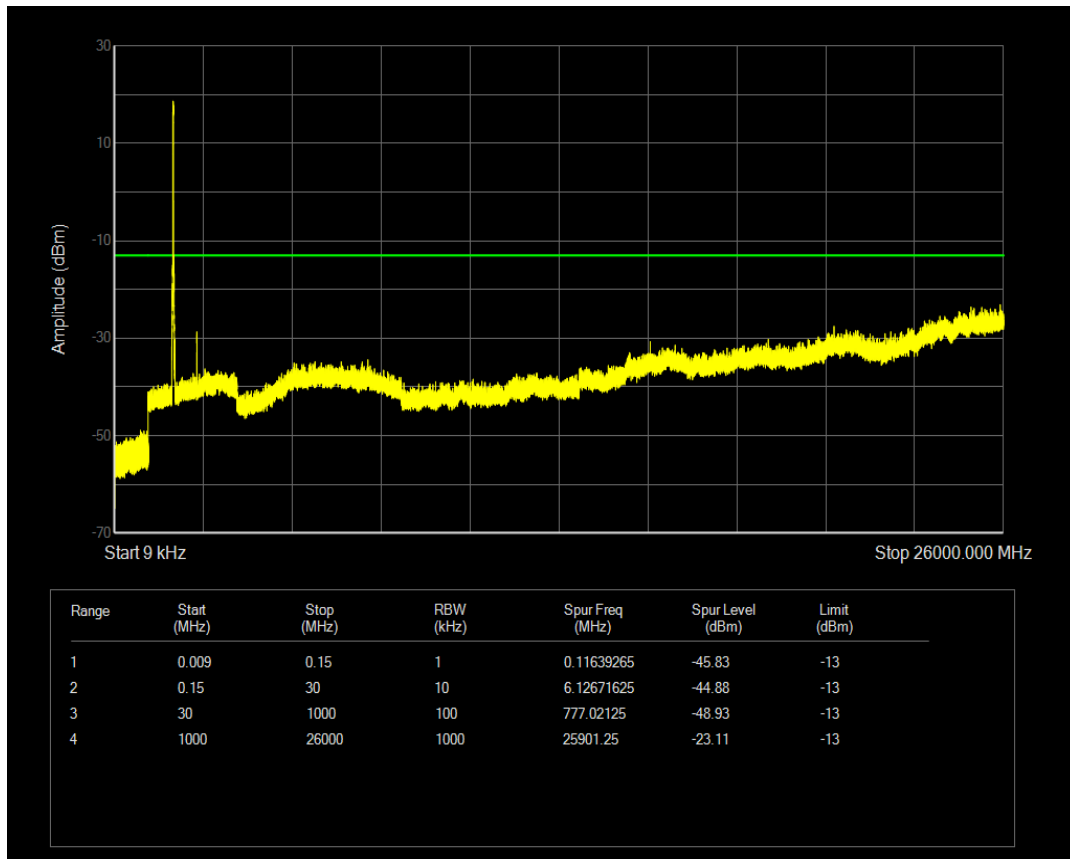
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



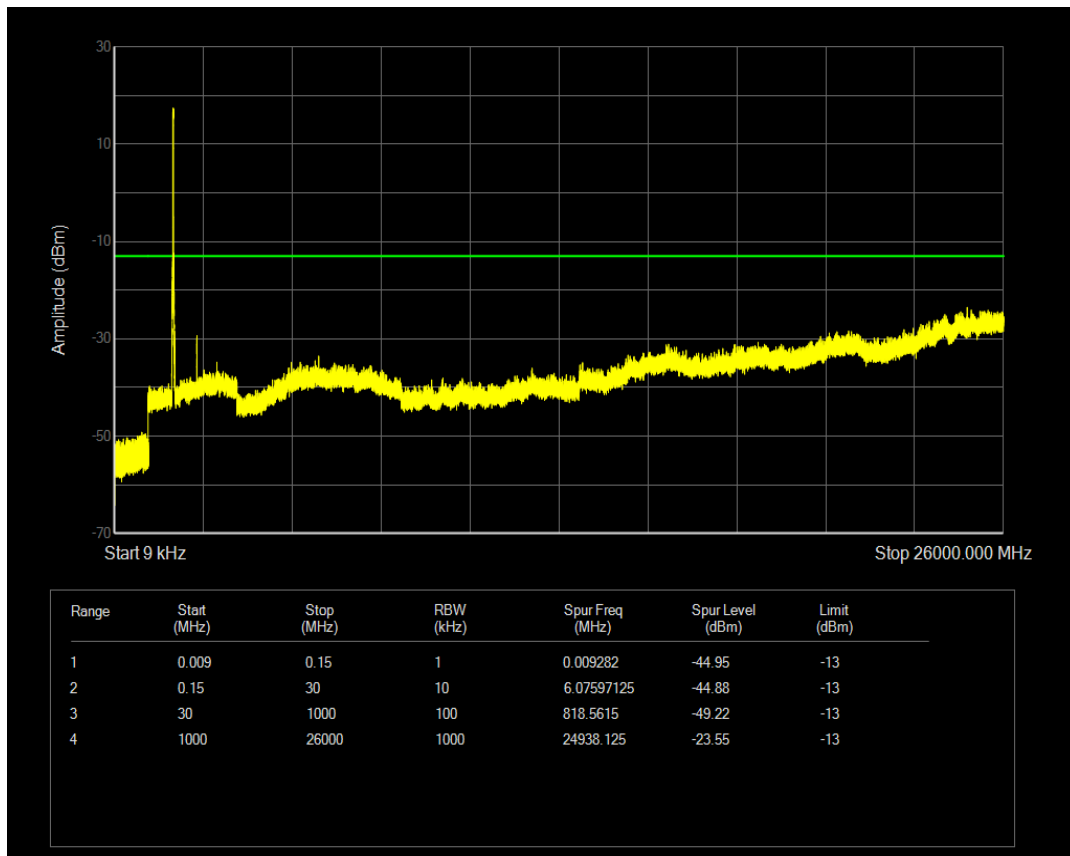
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



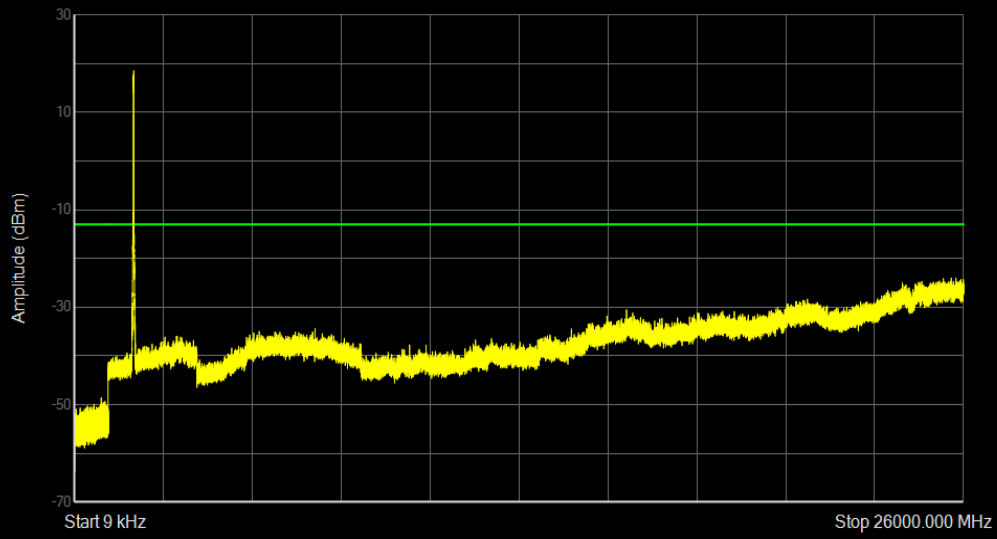
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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

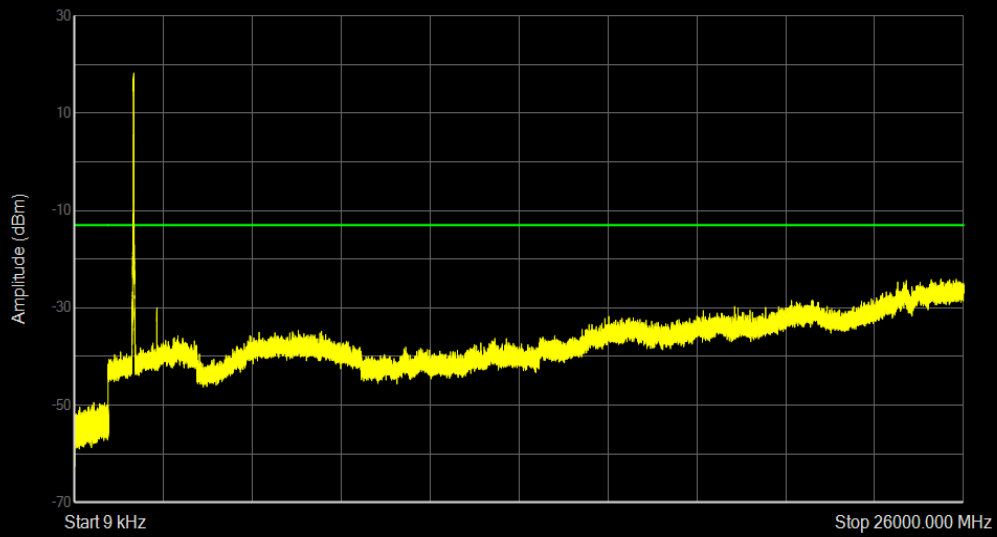


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010061025	-45.21	-13
2	0.15	30	10	6.02671875	-46.44	-13
3	30	1000	100	802.62925	-48.62	-13
4	1000	26000	1000	25642.5	-24.01	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009687375	-44.87	-13
2	0.15	30	10	6.051345	-44.63	-13
3	30	1000	100	581.90575	-49.45	-13
4	1000	26000	1000	25342.5	-24.07	-13