

FCC ID: 2A4AS-2407A

Appendix for Band 4

Report No.: BCTC2408940416-5E

Applicant: EZTECH DIGITAL INC.

Product Name: IP Camera

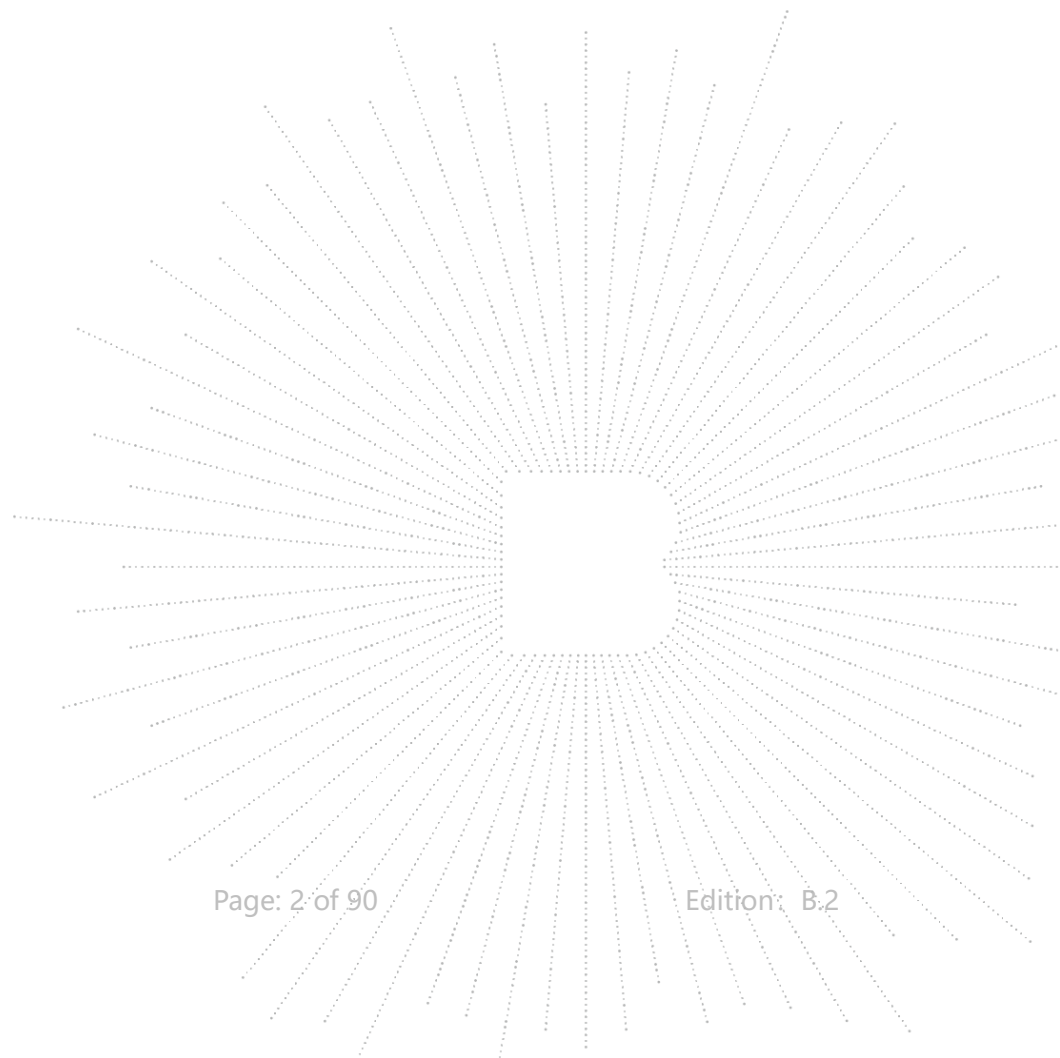
Test Model: Talon Pro

Tested Date: 2024-08-14 to 2024-11-26

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	23.40	1.51	24.91	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.47	1.51	24.98	PASS
Band4	1.4	19957	1	#Max	QPSK	23.35	1.51	24.86	PASS
Band4	1.4	19957	3	#0	QPSK	23.36	1.51	24.87	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.42	1.51	24.93	PASS
Band4	1.4	19957	3	#Max	QPSK	23.32	1.51	24.83	PASS
Band4	1.4	19957	6	#0	QPSK	22.46	1.51	23.97	PASS
Band4	1.4	19957	1	#0	16QAM	22.22	1.51	23.73	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.40	1.51	23.91	PASS
Band4	1.4	19957	1	#Max	16QAM	22.40	1.51	23.91	PASS
Band4	1.4	19957	3	#0	16QAM	22.43	1.51	23.94	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.48	1.51	23.99	PASS
Band4	1.4	19957	3	#Max	16QAM	22.47	1.51	23.98	PASS
Band4	1.4	19957	6	#0	16QAM	21.49	1.51	23.00	PASS
Band4	1.4	20175	1	#0	QPSK	23.10	1.51	24.61	PASS
Band4	1.4	20175	1	#Mid	QPSK	23.40	1.51	24.91	PASS
Band4	1.4	20175	1	#Max	QPSK	23.33	1.51	24.84	PASS
Band4	1.4	20175	3	#0	QPSK	23.30	1.51	24.81	PASS
Band4	1.4	20175	3	#Mid	QPSK	23.34	1.51	24.85	PASS
Band4	1.4	20175	3	#Max	QPSK	23.40	1.51	24.91	PASS
Band4	1.4	20175	6	#0	QPSK	22.39	1.51	23.90	PASS
Band4	1.4	20175	1	#0	16QAM	22.07	1.51	23.58	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.19	1.51	23.70	PASS
Band4	1.4	20175	1	#Max	16QAM	22.13	1.51	23.64	PASS
Band4	1.4	20175	3	#0	16QAM	22.10	1.51	23.61	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.16	1.51	23.67	PASS
Band4	1.4	20175	3	#Max	16QAM	22.33	1.51	23.84	PASS
Band4	1.4	20175	6	#0	16QAM	21.30	1.51	22.81	PASS
Band4	1.4	20393	1	#0	QPSK	23.27	1.51	24.78	PASS
Band4	1.4	20393	1	#Mid	QPSK	23.29	1.51	24.80	PASS
Band4	1.4	20393	1	#Max	QPSK	23.12	1.51	24.63	PASS
Band4	1.4	20393	3	#0	QPSK	23.16	1.51	24.67	PASS
Band4	1.4	20393	3	#Mid	QPSK	23.34	1.51	24.85	PASS
Band4	1.4	20393	3	#Max	QPSK	23.36	1.51	24.87	PASS
Band4	1.4	20393	6	#0	QPSK	22.35	1.51	23.86	PASS
Band4	1.4	20393	1	#0	16QAM	22.08	1.51	23.59	PASS

Band4	1.4	20393	1	#Mid	16QAM	22.19	1.51	23.70	PASS
Band4	1.4	20393	1	#Max	16QAM	22.00	1.51	23.51	PASS
Band4	1.4	20393	3	#0	16QAM	22.39	1.51	23.90	PASS
Band4	1.4	20393	3	#Mid	16QAM	22.42	1.51	23.93	PASS
Band4	1.4	20393	3	#Max	16QAM	22.34	1.51	23.85	PASS
Band4	1.4	20393	6	#0	16QAM	21.47	1.51	22.98	PASS
Band4	3	19965	1	#0	QPSK	23.47	1.51	24.98	PASS
Band4	3	19965	1	#Mid	QPSK	23.42	1.51	24.93	PASS
Band4	3	19965	1	#Max	QPSK	23.43	1.51	24.94	PASS
Band4	3	19965	8	#0	QPSK	22.43	1.51	23.94	PASS
Band4	3	19965	8	#Mid	QPSK	22.49	1.51	24.00	PASS
Band4	3	19965	8	#Max	QPSK	22.42	1.51	23.93	PASS
Band4	3	19965	15	#0	QPSK	22.46	1.51	23.97	PASS
Band4	3	19965	1	#0	16QAM	22.87	1.51	24.38	PASS
Band4	3	19965	1	#Mid	16QAM	22.81	1.51	24.32	PASS
Band4	3	19965	1	#Max	16QAM	22.73	1.51	24.24	PASS
Band4	3	19965	8	#0	16QAM	21.33	1.51	22.84	PASS
Band4	3	19965	8	#Mid	16QAM	21.36	1.51	22.87	PASS
Band4	3	19965	8	#Max	16QAM	21.09	1.51	22.60	PASS
Band4	3	19965	15	#0	16QAM	21.36	1.51	22.87	PASS
Band4	3	20175	1	#0	QPSK	23.22	1.51	24.73	PASS
Band4	3	20175	1	#Mid	QPSK	23.67	1.51	25.18	PASS
Band4	3	20175	1	#Max	QPSK	23.66	1.51	25.17	PASS
Band4	3	20175	8	#0	QPSK	22.53	1.51	24.04	PASS
Band4	3	20175	8	#Mid	QPSK	22.59	1.51	24.10	PASS
Band4	3	20175	8	#Max	QPSK	22.60	1.51	24.11	PASS
Band4	3	20175	15	#0	QPSK	22.44	1.51	23.95	PASS
Band4	3	20175	1	#0	16QAM	22.14	1.51	23.65	PASS
Band4	3	20175	1	#Mid	16QAM	22.50	1.51	24.01	PASS
Band4	3	20175	1	#Max	16QAM	22.13	1.51	23.64	PASS
Band4	3	20175	8	#0	16QAM	21.60	1.51	23.11	PASS
Band4	3	20175	8	#Mid	16QAM	21.66	1.51	23.17	PASS
Band4	3	20175	8	#Max	16QAM	21.70	1.51	23.21	PASS
Band4	3	20175	15	#0	16QAM	21.47	1.51	22.98	PASS
Band4	3	20385	1	#0	QPSK	23.38	1.51	24.89	PASS
Band4	3	20385	1	#Mid	QPSK	23.39	1.51	24.90	PASS
Band4	3	20385	1	#Max	QPSK	23.43	1.51	24.94	PASS
Band4	3	20385	8	#0	QPSK	22.40	1.51	23.91	PASS
Band4	3	20385	8	#Mid	QPSK	22.37	1.51	23.88	PASS
Band4	3	20385	8	#Max	QPSK	22.35	1.51	23.86	PASS
Band4	3	20385	15	#0	QPSK	22.34	1.51	23.85	PASS
Band4	3	20385	1	#0	16QAM	22.15	1.51	23.66	PASS
Band4	3	20385	1	#Mid	16QAM	22.13	1.51	23.64	PASS

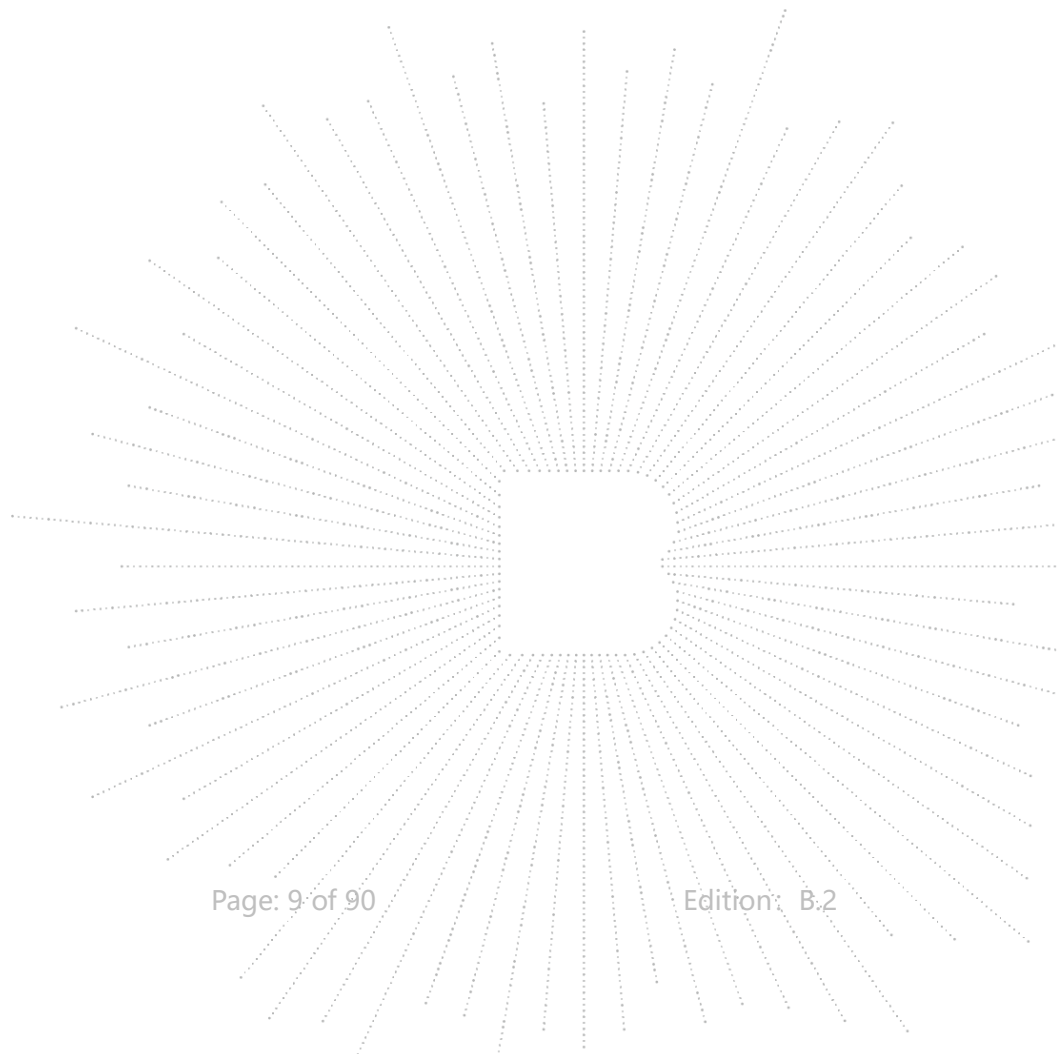
Band4	3	20385	1	#Max	16QAM	22.07	1.51	23.58	PASS
Band4	3	20385	8	#0	16QAM	21.37	1.51	22.88	PASS
Band4	3	20385	8	#Mid	16QAM	21.35	1.51	22.86	PASS
Band4	3	20385	8	#Max	16QAM	21.35	1.51	22.86	PASS
Band4	3	20385	15	#0	16QAM	21.37	1.51	22.88	PASS
Band4	5	19975	1	#0	QPSK	23.31	1.51	24.82	PASS
Band4	5	19975	1	#Mid	QPSK	23.39	1.51	24.90	PASS
Band4	5	19975	1	#Max	QPSK	23.41	1.51	24.92	PASS
Band4	5	19975	12	#0	QPSK	22.54	1.51	24.05	PASS
Band4	5	19975	12	#Mid	QPSK	22.47	1.51	23.98	PASS
Band4	5	19975	12	#Max	QPSK	22.46	1.51	23.97	PASS
Band4	5	19975	25	#0	QPSK	22.44	1.51	23.95	PASS
Band4	5	19975	1	#0	16QAM	22.48	1.51	23.99	PASS
Band4	5	19975	1	#Mid	16QAM	22.37	1.51	23.88	PASS
Band4	5	19975	1	#Max	16QAM	22.56	1.51	24.07	PASS
Band4	5	19975	12	#0	16QAM	21.19	1.51	22.70	PASS
Band4	5	19975	12	#Mid	16QAM	21.13	1.51	22.64	PASS
Band4	5	19975	12	#Max	16QAM	21.23	1.51	22.74	PASS
Band4	5	19975	25	#0	16QAM	21.48	1.51	22.99	PASS
Band4	5	20175	1	#0	QPSK	23.20	1.51	24.71	PASS
Band4	5	20175	1	#Mid	QPSK	23.59	1.51	25.10	PASS
Band4	5	20175	1	#Max	QPSK	23.47	1.51	24.98	PASS
Band4	5	20175	12	#0	QPSK	22.36	1.51	23.87	PASS
Band4	5	20175	12	#Mid	QPSK	22.40	1.51	23.91	PASS
Band4	5	20175	12	#Max	QPSK	22.48	1.51	23.99	PASS
Band4	5	20175	25	#0	QPSK	22.34	1.51	23.85	PASS
Band4	5	20175	1	#0	16QAM	22.16	1.51	23.67	PASS
Band4	5	20175	1	#Mid	16QAM	22.23	1.51	23.74	PASS
Band4	5	20175	1	#Max	16QAM	22.30	1.51	23.81	PASS
Band4	5	20175	12	#0	16QAM	21.20	1.51	22.71	PASS
Band4	5	20175	12	#Mid	16QAM	21.25	1.51	22.76	PASS
Band4	5	20175	12	#Max	16QAM	21.41	1.51	22.92	PASS
Band4	5	20175	25	#0	16QAM	21.61	1.51	23.12	PASS
Band4	5	20375	1	#0	QPSK	23.23	1.51	24.74	PASS
Band4	5	20375	1	#Mid	QPSK	23.25	1.51	24.76	PASS
Band4	5	20375	1	#Max	QPSK	23.26	1.51	24.77	PASS
Band4	5	20375	12	#0	QPSK	22.35	1.51	23.86	PASS
Band4	5	20375	12	#Mid	QPSK	22.25	1.51	23.76	PASS
Band4	5	20375	12	#Max	QPSK	22.22	1.51	23.73	PASS
Band4	5	20375	25	#0	QPSK	22.28	1.51	23.79	PASS
Band4	5	20375	1	#0	16QAM	22.36	1.51	23.87	PASS
Band4	5	20375	1	#Mid	16QAM	21.98	1.51	23.49	PASS
Band4	5	20375	1	#Max	16QAM	22.03	1.51	23.54	PASS

Band4	5	20375	12	#0	16QAM	21.26	1.51	22.77	PASS
Band4	5	20375	12	#Mid	16QAM	21.23	1.51	22.74	PASS
Band4	5	20375	12	#Max	16QAM	21.13	1.51	22.64	PASS
Band4	5	20375	25	#0	16QAM	21.29	1.51	22.80	PASS
Band4	10	20000	1	#0	QPSK	23.26	1.51	24.77	PASS
Band4	10	20000	1	#Mid	QPSK	23.14	1.51	24.65	PASS
Band4	10	20000	1	#Max	QPSK	22.89	1.51	24.40	PASS
Band4	10	20000	25	#0	QPSK	22.34	1.51	23.85	PASS
Band4	10	20000	25	#Mid	QPSK	22.34	1.51	23.85	PASS
Band4	10	20000	25	#Max	QPSK	22.15	1.51	23.66	PASS
Band4	10	20000	50	#0	QPSK	22.28	1.51	23.79	PASS
Band4	10	20000	1	#0	16QAM	22.74	1.51	24.25	PASS
Band4	10	20000	1	#Mid	16QAM	22.83	1.51	24.34	PASS
Band4	10	20000	1	#Max	16QAM	22.39	1.51	23.90	PASS
Band4	10	20000	25	#0	16QAM	21.51	1.51	23.02	PASS
Band4	10	20000	25	#Mid	16QAM	21.52	1.51	23.03	PASS
Band4	10	20000	25	#Max	16QAM	21.32	1.51	22.83	PASS
Band4	10	20000	50	#0	16QAM	21.35	1.51	22.86	PASS
Band4	10	20175	1	#0	QPSK	22.95	1.51	24.46	PASS
Band4	10	20175	1	#Mid	QPSK	23.54	1.51	25.05	PASS
Band4	10	20175	1	#Max	QPSK	23.42	1.51	24.93	PASS
Band4	10	20175	25	#0	QPSK	22.20	1.51	23.71	PASS
Band4	10	20175	25	#Mid	QPSK	22.29	1.51	23.80	PASS
Band4	10	20175	25	#Max	QPSK	22.40	1.51	23.91	PASS
Band4	10	20175	50	#0	QPSK	22.30	1.51	23.81	PASS
Band4	10	20175	1	#0	16QAM	21.68	1.51	23.19	PASS
Band4	10	20175	1	#Mid	16QAM	22.01	1.51	23.52	PASS
Band4	10	20175	1	#Max	16QAM	21.97	1.51	23.48	PASS
Band4	10	20175	25	#0	16QAM	21.25	1.51	22.76	PASS
Band4	10	20175	25	#Mid	16QAM	21.48	1.51	22.99	PASS
Band4	10	20175	25	#Max	16QAM	21.27	1.51	22.78	PASS
Band4	10	20175	50	#0	16QAM	21.42	1.51	22.93	PASS
Band4	10	20350	1	#0	QPSK	23.16	1.51	24.67	PASS
Band4	10	20350	1	#Mid	QPSK	23.22	1.51	24.73	PASS
Band4	10	20350	1	#Max	QPSK	23.16	1.51	24.67	PASS
Band4	10	20350	25	#0	QPSK	22.33	1.51	23.84	PASS
Band4	10	20350	25	#Mid	QPSK	22.36	1.51	23.87	PASS
Band4	10	20350	25	#Max	QPSK	22.26	1.51	23.77	PASS
Band4	10	20350	50	#0	QPSK	22.31	1.51	23.82	PASS
Band4	10	20350	1	#0	16QAM	22.10	1.51	23.61	PASS
Band4	10	20350	1	#Mid	16QAM	22.22	1.51	23.73	PASS
Band4	10	20350	1	#Max	16QAM	21.62	1.51	23.13	PASS
Band4	10	20350	25	#0	16QAM	21.21	1.51	22.72	PASS

Band4	10	20350	25	#Mid	16QAM	21.34	1.51	22.85	PASS
Band4	10	20350	25	#Max	16QAM	21.16	1.51	22.67	PASS
Band4	10	20350	50	#0	16QAM	21.26	1.51	22.77	PASS
Band4	15	20025	1	#0	QPSK	23.19	1.51	24.70	PASS
Band4	15	20025	1	#Mid	QPSK	23.15	1.51	24.66	PASS
Band4	15	20025	1	#Max	QPSK	22.95	1.51	24.46	PASS
Band4	15	20025	36	#0	QPSK	22.16	1.51	23.67	PASS
Band4	15	20025	36	#Mid	QPSK	22.05	1.51	23.56	PASS
Band4	15	20025	36	#Max	QPSK	21.96	1.51	23.47	PASS
Band4	15	20025	75	#0	QPSK	22.01	1.51	23.52	PASS
Band4	15	20025	1	#0	16QAM	22.73	1.51	24.24	PASS
Band4	15	20025	1	#Mid	16QAM	22.67	1.51	24.18	PASS
Band4	15	20025	1	#Max	16QAM	22.47	1.51	23.98	PASS
Band4	15	20025	36	#0	16QAM	21.24	1.51	22.75	PASS
Band4	15	20025	36	#Mid	16QAM	21.10	1.51	22.61	PASS
Band4	15	20025	36	#Max	16QAM	20.94	1.51	22.45	PASS
Band4	15	20025	75	#0	16QAM	20.98	1.51	22.49	PASS
Band4	15	20175	1	#0	QPSK	22.74	1.51	24.25	PASS
Band4	15	20175	1	#Mid	QPSK	23.90	1.51	25.41	PASS
Band4	15	20175	1	#Max	QPSK	23.12	1.51	24.63	PASS
Band4	15	20175	36	#0	QPSK	22.06	1.51	23.57	PASS
Band4	15	20175	36	#Mid	QPSK	22.25	1.51	23.76	PASS
Band4	15	20175	36	#Max	QPSK	22.27	1.51	23.78	PASS
Band4	15	20175	75	#0	QPSK	22.12	1.51	23.63	PASS
Band4	15	20175	1	#0	16QAM	21.74	1.51	23.25	PASS
Band4	15	20175	1	#Mid	16QAM	22.77	1.51	24.28	PASS
Band4	15	20175	1	#Max	16QAM	22.60	1.51	24.11	PASS
Band4	15	20175	36	#0	16QAM	21.18	1.51	22.69	PASS
Band4	15	20175	36	#Mid	16QAM	21.19	1.51	22.70	PASS
Band4	15	20175	36	#Max	16QAM	21.30	1.51	22.81	PASS
Band4	15	20175	75	#0	16QAM	21.00	1.51	22.51	PASS
Band4	15	20325	1	#0	QPSK	23.27	1.51	24.78	PASS
Band4	15	20325	1	#Mid	QPSK	23.31	1.51	24.82	PASS
Band4	15	20325	1	#Max	QPSK	22.80	1.51	24.31	PASS
Band4	15	20325	36	#0	QPSK	22.24	1.51	23.75	PASS
Band4	15	20325	36	#Mid	QPSK	22.16	1.51	23.67	PASS
Band4	15	20325	36	#Max	QPSK	22.05	1.51	23.56	PASS
Band4	15	20325	75	#0	QPSK	22.21	1.51	23.72	PASS
Band4	15	20325	1	#0	16QAM	22.18	1.51	23.69	PASS
Band4	15	20325	1	#Mid	16QAM	22.15	1.51	23.66	PASS
Band4	15	20325	1	#Max	16QAM	21.77	1.51	23.28	PASS
Band4	15	20325	36	#0	16QAM	21.16	1.51	22.67	PASS
Band4	15	20325	36	#Mid	16QAM	21.06	1.51	22.57	PASS

Band4	15	20325	36	#Max	16QAM	21.00	1.51	22.51	PASS
Band4	15	20325	75	#0	16QAM	21.21	1.51	22.72	PASS
Band4	20	20050	1	#0	QPSK	22.83	1.51	24.34	PASS
Band4	20	20050	1	#Mid	QPSK	22.88	1.51	24.39	PASS
Band4	20	20050	1	#Max	QPSK	22.67	1.51	24.18	PASS
Band4	20	20050	50	#0	QPSK	21.90	1.51	23.41	PASS
Band4	20	20050	50	#Mid	QPSK	22.03	1.51	23.54	PASS
Band4	20	20050	50	#Max	QPSK	21.96	1.51	23.47	PASS
Band4	20	20050	100	#0	QPSK	21.96	1.51	23.47	PASS
Band4	20	20050	1	#0	16QAM	21.94	1.51	23.45	PASS
Band4	20	20050	1	#Mid	16QAM	21.60	1.51	23.11	PASS
Band4	20	20050	1	#Max	16QAM	21.73	1.51	23.24	PASS
Band4	20	20050	50	#0	16QAM	20.82	1.51	22.33	PASS
Band4	20	20050	50	#Mid	16QAM	20.97	1.51	22.48	PASS
Band4	20	20050	50	#Max	16QAM	20.97	1.51	22.48	PASS
Band4	20	20050	100	#0	16QAM	20.85	1.51	22.36	PASS
Band4	20	20175	1	#0	QPSK	23.06	1.51	24.57	PASS
Band4	20	20175	1	#Mid	QPSK	23.47	1.51	24.98	PASS
Band4	20	20175	1	#Max	QPSK	23.07	1.51	24.58	PASS
Band4	20	20175	50	#0	QPSK	21.81	1.51	23.32	PASS
Band4	20	20175	50	#Mid	QPSK	22.07	1.51	23.58	PASS
Band4	20	20175	50	#Max	QPSK	22.08	1.51	23.59	PASS
Band4	20	20175	100	#0	QPSK	22.00	1.51	23.51	PASS
Band4	20	20175	1	#0	16QAM	21.90	1.51	23.41	PASS
Band4	20	20175	1	#Mid	16QAM	22.01	1.51	23.52	PASS
Band4	20	20175	1	#Max	16QAM	21.44	1.51	22.95	PASS
Band4	20	20175	50	#0	16QAM	20.76	1.51	22.27	PASS
Band4	20	20175	50	#Mid	16QAM	21.21	1.51	22.72	PASS
Band4	20	20175	50	#Max	16QAM	21.25	1.51	22.76	PASS
Band4	20	20175	100	#0	16QAM	21.08	1.51	22.59	PASS
Band4	20	20300	1	#0	QPSK	23.18	1.51	24.69	PASS
Band4	20	20300	1	#Mid	QPSK	23.26	1.51	24.77	PASS
Band4	20	20300	1	#Max	QPSK	22.96	1.51	24.47	PASS
Band4	20	20300	50	#0	QPSK	22.23	1.51	23.74	PASS
Band4	20	20300	50	#Mid	QPSK	22.17	1.51	23.68	PASS
Band4	20	20300	50	#Max	QPSK	22.05	1.51	23.56	PASS
Band4	20	20300	100	#0	QPSK	22.18	1.51	23.69	PASS
Band4	20	20300	1	#0	16QAM	22.49	1.51	24.00	PASS
Band4	20	20300	1	#Mid	16QAM	22.39	1.51	23.90	PASS
Band4	20	20300	1	#Max	16QAM	21.55	1.51	23.06	PASS
Band4	20	20300	50	#0	16QAM	21.16	1.51	22.67	PASS
Band4	20	20300	50	#Mid	16QAM	21.29	1.51	22.80	PASS
Band4	20	20300	50	#Max	16QAM	20.98	1.51	22.49	PASS

Band4	20	20300	100	#0	16QAM	21.10	1.51	22.61	PASS
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Appendix 2. Frequency stability

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	LV	NT	0.40	0.000	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	1.54	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	0.59	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	2.17	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	2.55	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	2.98	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	1.60	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	0.00	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	0.39	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-1.30	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-0.82	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-1.07	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-2.68	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-4.08	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-3.53	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-2.33	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-2.42	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-3.05	-0.002	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-0.16	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	0.16	0.000	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	0.33	0.000	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	0.13	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	0.80	0.000	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	0.41	0.000	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	0.64	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-1.20	-0.001	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-0.51	0.000	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	0.47	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-0.16	0.000	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	0.59	0.000	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	0.03	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	0.39	0.000	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	0.44	0.000	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	0.17	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-0.92	-0.001	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	0.96	0.001	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	1.40	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	1.43	0.001	PASS

Band4	5	19975	25	#0	QPSK	HV	NT	0.29	0.000	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	1.12	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	0.11	0.000	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	0.83	0.000	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	0.10	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	0.24	0.000	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-0.43	0.000	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	0.47	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-0.10	0.000	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-1.03	-0.001	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-2.82	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-2.86	-0.002	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-3.15	-0.002	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-2.37	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	-3.32	-0.002	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	-2.85	-0.002	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-3.99	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-2.73	-0.002	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-3.05	-0.002	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-2.30	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-2.49	-0.001	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-2.50	-0.001	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-0.01	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-0.16	0.000	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-0.07	0.000	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	0.11	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	-0.11	0.000	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	-0.27	0.000	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	0.62	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	2.02	0.001	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	2.07	0.001	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	0.94	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	0.90	0.001	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	1.63	0.001	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	0.46	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	0.53	0.000	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-0.70	0.000	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	0.69	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	1.26	0.001	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	0.16	0.000	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-0.09	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-0.70	0.000	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	0.76	0.000	PASS

Band4	15	20175	75	#0	16QAM	LV	NT	0.20	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	-0.54	0.000	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	-0.37	0.000	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	0.17	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	1.04	0.001	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	0.57	0.000	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	0.70	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	1.56	0.001	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	1.02	0.001	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	2.82	0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	1.79	0.001	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	0.89	0.001	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	1.65	0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	0.36	0.000	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	1.37	0.001	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-0.30	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-1.07	-0.001	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-0.62	0.000	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-0.74	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	-1.04	-0.001	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	-0.30	0.000	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-3.75	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-3.59	-0.002	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-2.92	-0.002	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	-3.33	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	-2.35	-0.001	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	-3.36	-0.002	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	2.10	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	0.72	0.000	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	1.46	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	1.33	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	0.96	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	1.43	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	2.49	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	2.07	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	1.06	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	0.41	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	-1.63	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	0.60	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	2.43	0.001	PASS

Band4	1.4	19957	6	#0	16QAM	NV	10	0.21	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	2.78	0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-1.39	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	0.77	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-0.50	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-1.69	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	0.10	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-1.53	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-1.16	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-1.86	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-2.43	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-1.95	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-0.74	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	0.30	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	1.47	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	1.80	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	0.16	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	0.51	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	0.67	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-0.29	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	0.99	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	1.29	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	0.76	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-2.95	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-3.79	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-3.39	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-2.90	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-3.06	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-2.50	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-1.99	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-3.85	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-3.36	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-4.25	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-4.38	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	-4.49	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-2.68	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-4.08	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-3.62	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-5.04	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-3.99	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-3.82	-0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	0.40	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-1.34	-0.001	PASS

Band4	3	19965	15	#0	QPSK	NV	-10	0.36	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	0	0.01	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-1.09	-0.001	PASS
Band4	3	19965	15	#0	QPSK	NV	20	0.51	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-0.49	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-0.30	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-1.10	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	0.16	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	-1.26	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	0.17	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	0	-0.84	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-0.37	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	20	0.82	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-0.24	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	40	-0.49	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	50	0.47	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	0.69	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	0.30	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	0.59	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-0.01	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	10	0.19	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	20	0.34	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	30	1.16	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	40	0.67	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	50	0.10	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-0.10	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-0.39	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	-0.47	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	0	0.94	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	10	-0.97	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	20	1.69	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	30	-0.34	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	40	-0.79	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	50	0.89	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-0.59	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	0.37	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-0.79	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	0	0.53	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	10	0.03	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-0.79	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	30	0.24	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-0.10	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	50	0.83	0.000	PASS

Band4	3	20385	15	#0	16QAM	NV	-30	1.50	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-1.23	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	0.49	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	0	1.09	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	10	0.57	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	20	1.03	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	30	0.64	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	40	1.10	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-0.39	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	1.09	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	0.47	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	0.21	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	0	1.00	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	10	2.86	0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	20	1.63	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	30	2.12	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	40	0.57	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	50	0.37	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	0.23	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	1.54	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	0.06	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	0	0.50	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	10	0.23	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	20	1.30	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	30	2.29	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	40	0.34	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-0.57	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-0.26	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-0.14	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	1.27	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	0	1.37	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	10	1.83	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	20	0.56	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	30	0.14	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	40	0.11	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	50	0.67	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-0.09	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-0.90	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	1.47	0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-0.06	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	10	0.54	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	20	0.60	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-0.23	0.000	PASS

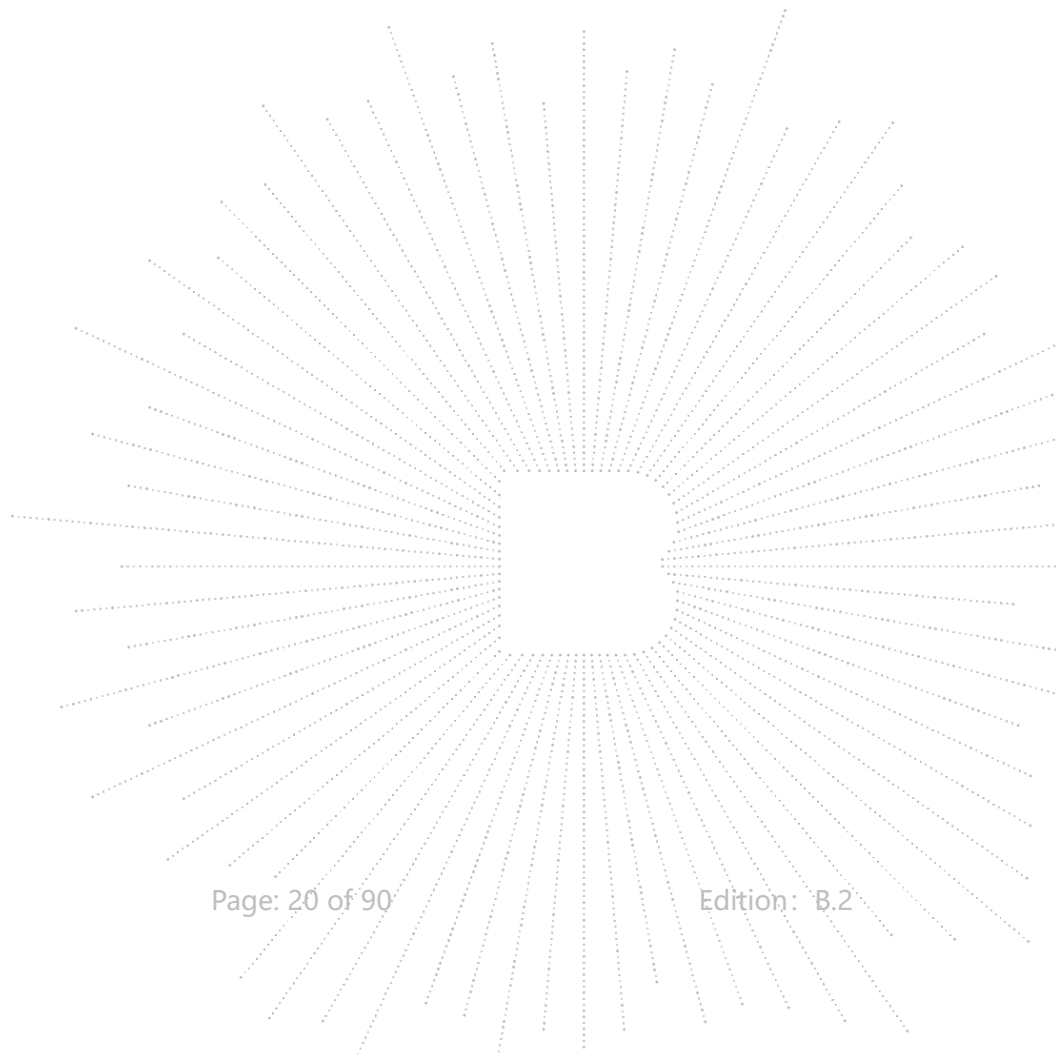
Band4	5	20175	25	#0	16QAM	NV	40	0.62	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	50	-0.10	0.000	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-2.42	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-2.80	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	-3.23	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-2.90	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-1.87	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-3.83	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-2.56	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-2.90	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	50	-3.50	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-2.42	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-1.22	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	-1.95	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-3.96	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-2.27	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-1.00	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-1.65	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-2.62	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-3.71	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-2.23	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-3.39	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-3.29	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-3.53	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-3.38	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-2.17	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-3.78	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-1.49	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-2.60	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	-3.06	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	-2.55	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	-2.99	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	0	-2.47	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	10	-2.73	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	20	-2.53	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	30	-2.78	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	40	-3.22	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	50	-3.13	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-0.63	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	0.47	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	0.76	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	0	0.24	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	10	1.13	0.001	PASS

Band4	10	20175	50	#0	QPSK	NV	20	-0.01	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	30	0.43	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	40	0.82	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	50	0.87	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	1.04	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	1.42	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	-10	1.13	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	0	0.21	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	10	0.60	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	20	0.66	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	30	0.54	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	40	0.30	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	50	0.76	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	1.85	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	1.27	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	1.27	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	0	2.05	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	10	0.79	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	20	1.19	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	30	2.59	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	40	2.57	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	50	2.35	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	0.89	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	2.05	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	1.65	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	0	2.23	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	10	2.05	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	20	2.56	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	30	1.14	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	40	3.46	0.002	PASS
Band4	10	20350	50	#0	16QAM	NV	50	1.80	0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-0.27	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	0.51	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	1.12	0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	0	0.16	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	10	0.23	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	20	0.01	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-0.09	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-0.17	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-0.56	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	0.21	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	0.44	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	0.51	0.000	PASS

Band4	15	20025	75	#0	16QAM	NV	0	0.76	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-0.43	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	20	0.64	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	30	0.10	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	40	0.03	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	50	1.04	0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	0.21	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-0.37	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	-0.07	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-0.11	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	10	0.83	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-0.11	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	30	0.67	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	40	0.56	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	50	0.53	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	1.17	0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	0.33	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	0.97	0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	0	0.62	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	10	0.03	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	20	0.27	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	30	-0.09	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	40	0.03	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	50	0.51	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	0.10	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	0.23	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	1.20	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	0	0.17	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	10	0.50	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	20	0.04	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	30	0.21	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-0.01	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	50	0.84	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	1.00	0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-0.36	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	-0.57	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	0	0.11	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	10	0.34	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	20	0.40	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	30	0.27	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-0.19	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	50	0.29	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	1.22	0.001	PASS

Band4	20	20050	100	#0	QPSK	NV	-20	0.46	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	1.53	0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	0	0.66	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	10	1.00	0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	20	0.54	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	30	0.67	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	40	0.06	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	50	0.44	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	0.33	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	0.59	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	1.82	0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	0	0.73	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	10	0.19	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	20	0.34	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	30	0.50	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	40	0.49	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	50	0.46	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-0.94	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-0.43	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-0.89	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-0.01	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-0.84	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-0.69	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-0.10	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-0.57	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	50	0.21	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	0.21	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	0.53	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	-0.70	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	0	-0.77	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	10	-0.82	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	20	-0.01	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	30	-0.19	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	40	-0.33	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	50	0.31	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-3.60	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-4.22	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	-3.18	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-3.13	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-3.15	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-2.59	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-3.56	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-3.15	-0.002	PASS

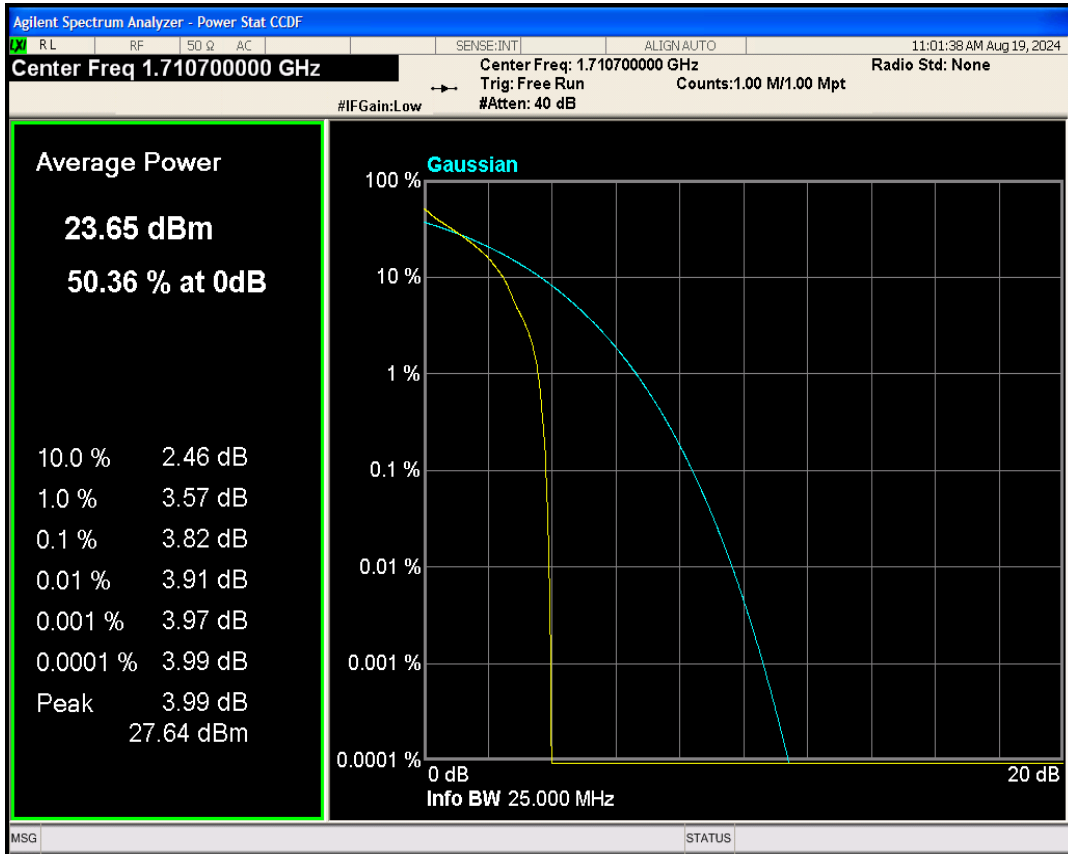
Band4	20	20300	100	#0	QPSK	NV	50	-2.43	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	-3.30	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-3.15	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-1.97	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	0	-3.46	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	10	-3.20	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	20	-3.20	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	30	-2.95	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	40	-3.12	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	50	-3.06	-0.002	PASS



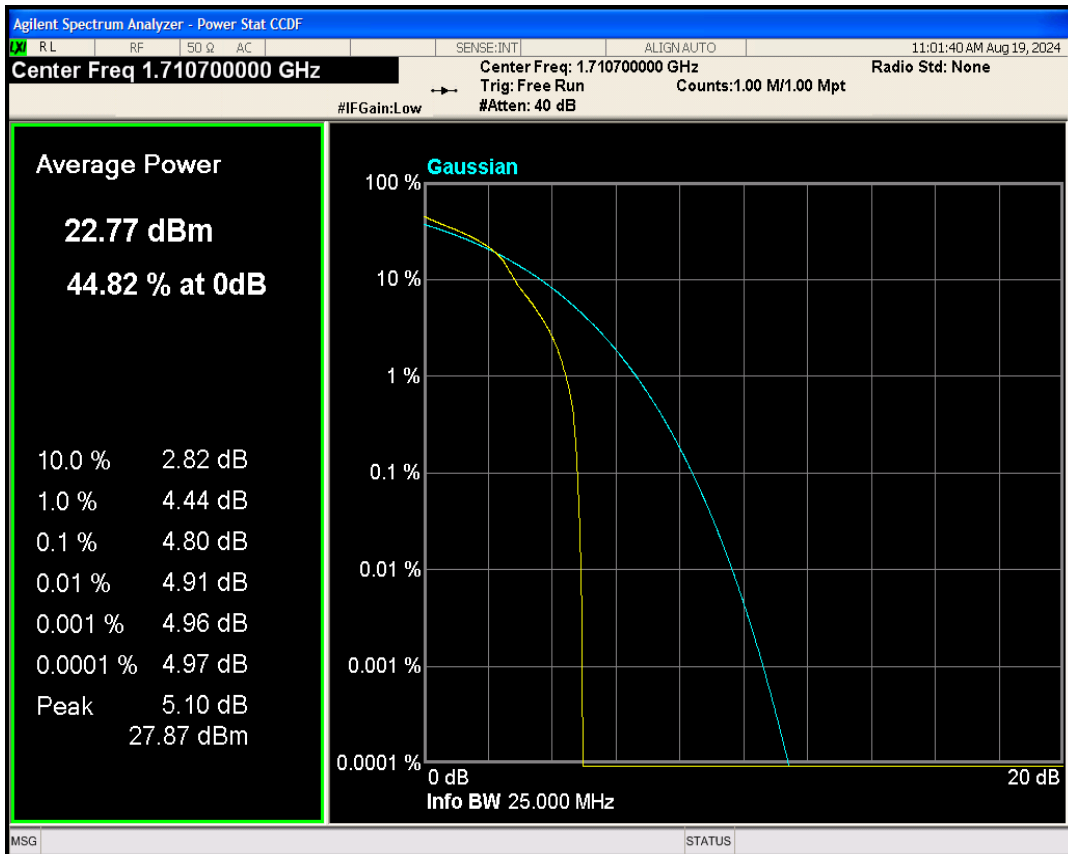
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	3.82	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.80	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.50	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.40	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.21	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.04	13	PASS
Band4	3	19965	1	#0	QPSK	4.21	13	PASS
Band4	3	19965	1	#0	16QAM	5.00	13	PASS
Band4	3	20175	1	#0	QPSK	4.59	13	PASS
Band4	3	20175	1	#0	16QAM	5.41	13	PASS
Band4	3	20385	1	#0	QPSK	4.19	13	PASS
Band4	3	20385	1	#0	16QAM	5.23	13	PASS
Band4	5	19975	1	#0	QPSK	4.20	13	PASS
Band4	5	19975	1	#0	16QAM	5.13	13	PASS
Band4	5	20175	1	#0	QPSK	4.63	13	PASS
Band4	5	20175	1	#0	16QAM	5.38	13	PASS
Band4	5	20375	1	#0	QPSK	4.28	13	PASS
Band4	5	20375	1	#0	16QAM	5.03	13	PASS
Band4	10	20000	1	#0	QPSK	3.91	13	PASS
Band4	10	20000	1	#0	16QAM	4.82	13	PASS
Band4	10	20175	1	#0	QPSK	4.63	13	PASS
Band4	10	20175	1	#0	16QAM	5.48	13	PASS
Band4	10	20350	1	#0	QPSK	4.66	13	PASS
Band4	10	20350	1	#0	16QAM	5.31	13	PASS
Band4	15	20025	1	#0	QPSK	3.98	13	PASS
Band4	15	20025	1	#0	16QAM	4.88	13	PASS
Band4	15	20175	1	#0	QPSK	4.67	13	PASS
Band4	15	20175	1	#0	16QAM	5.51	13	PASS
Band4	15	20325	1	#0	QPSK	4.64	13	PASS
Band4	15	20325	1	#0	16QAM	5.49	13	PASS
Band4	20	20050	1	#0	QPSK	4.10	13	PASS
Band4	20	20050	1	#0	16QAM	4.98	13	PASS
Band4	20	20175	1	#0	QPSK	4.54	13	PASS
Band4	20	20175	1	#0	16QAM	5.24	13	PASS
Band4	20	20300	1	#0	QPSK	4.53	13	PASS
Band4	20	20300	1	#0	16QAM	5.49	13	PASS

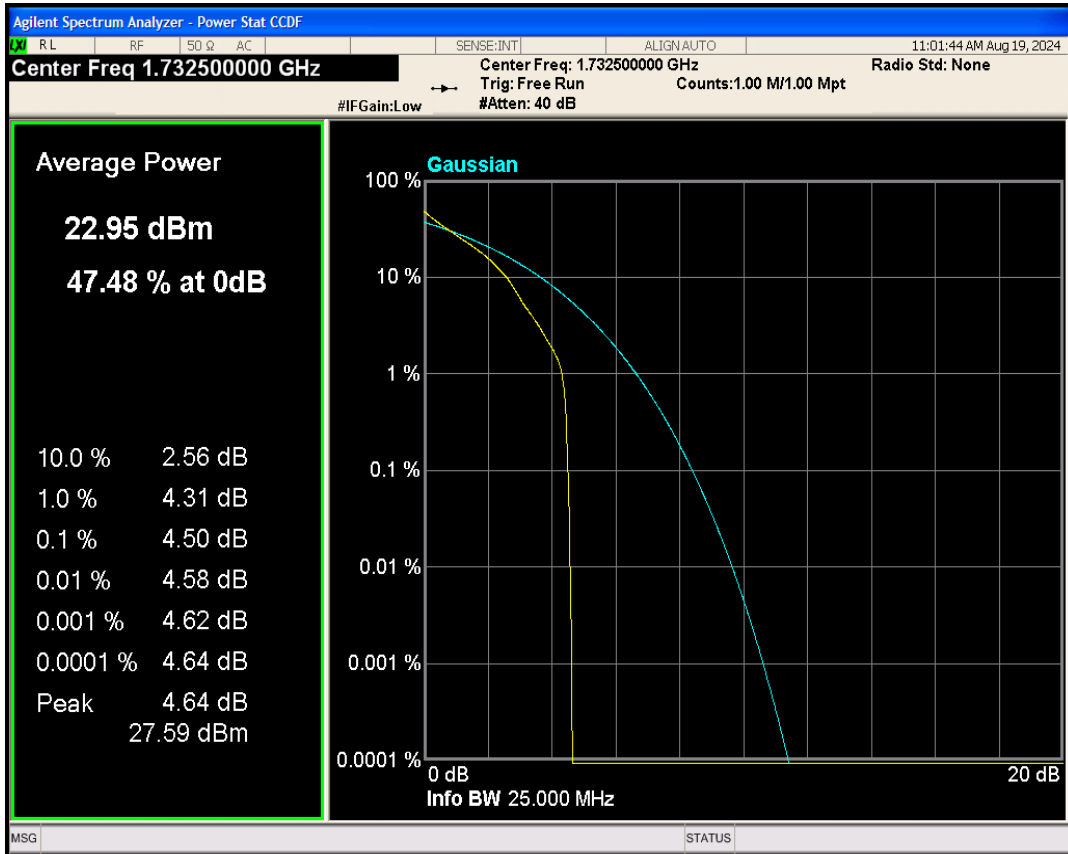
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



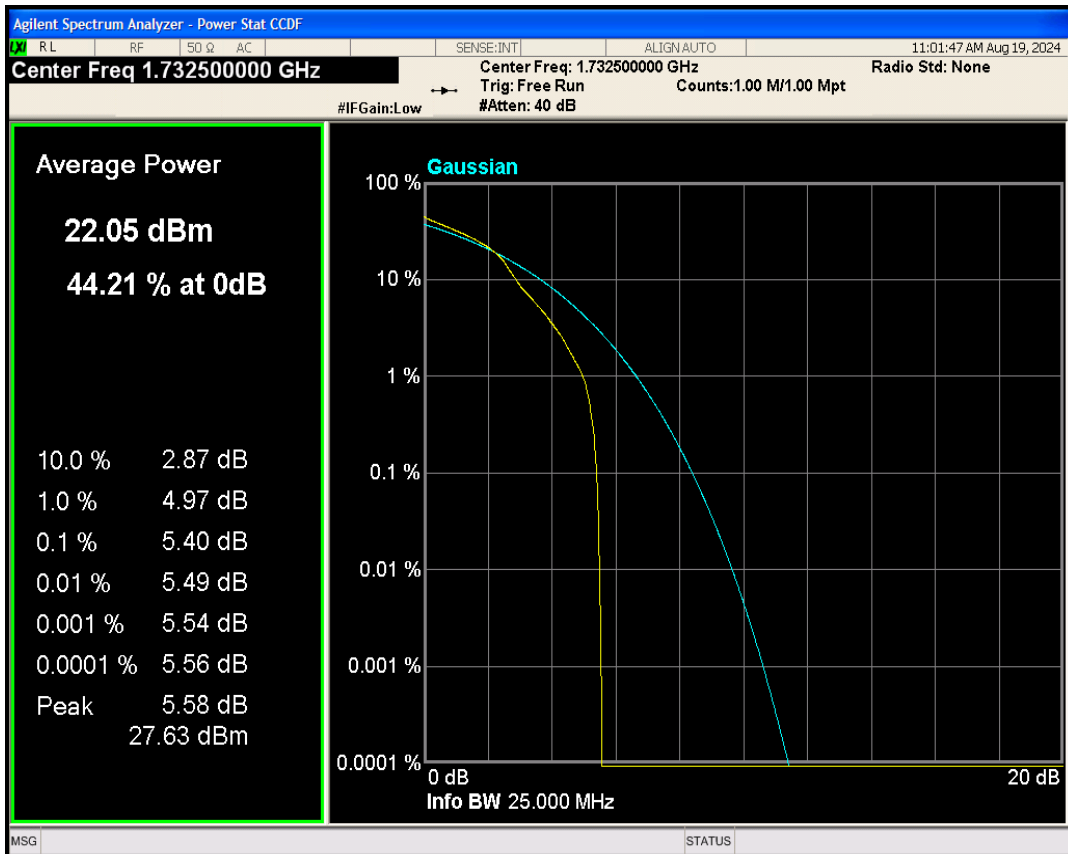
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



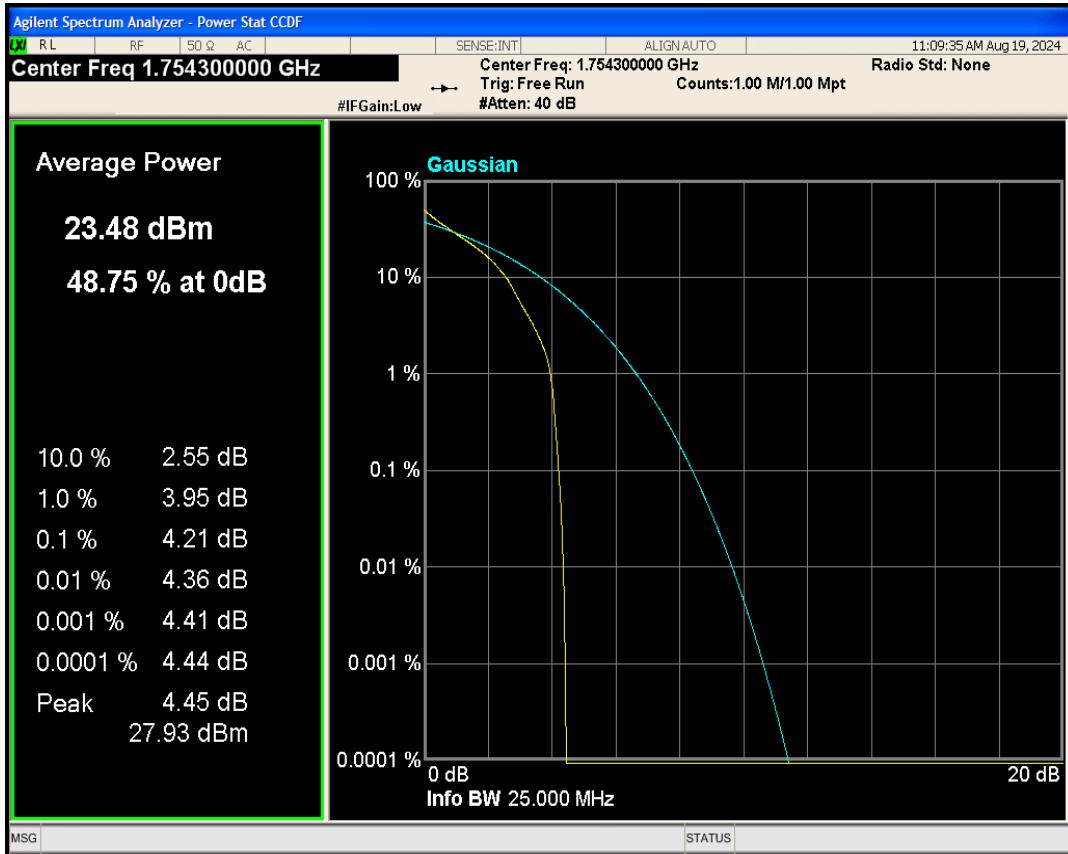
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



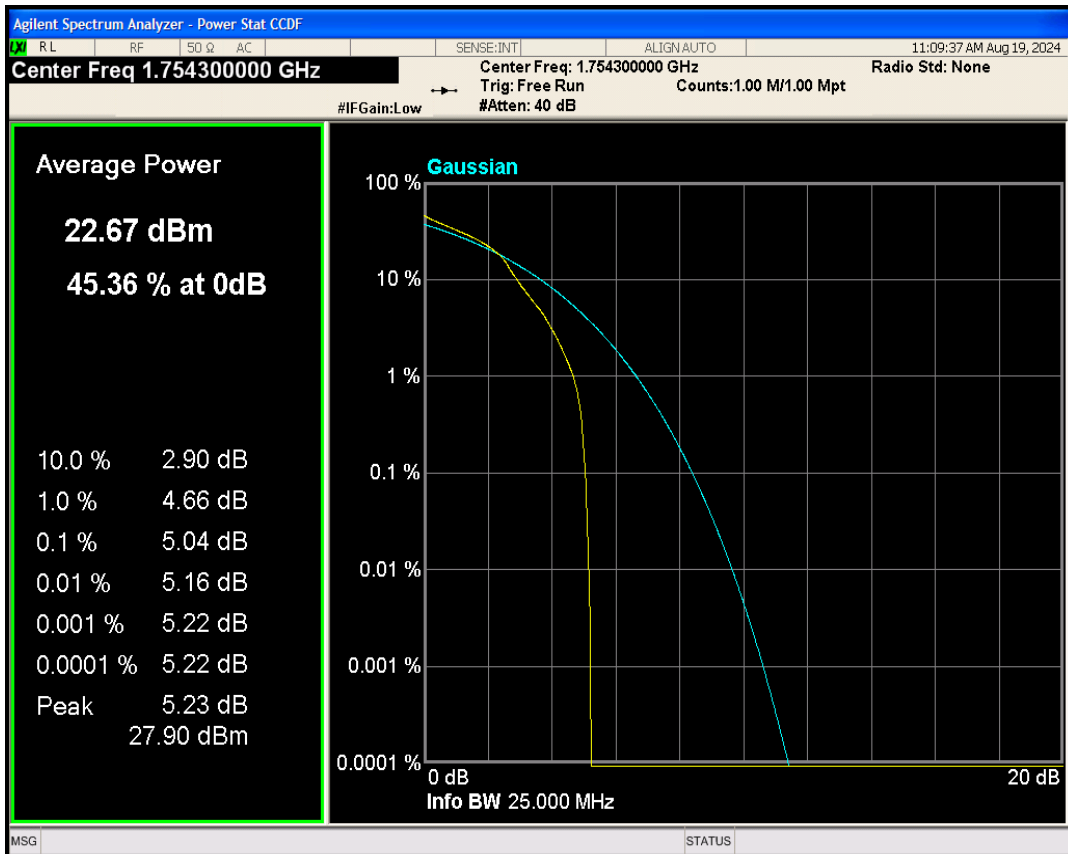
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



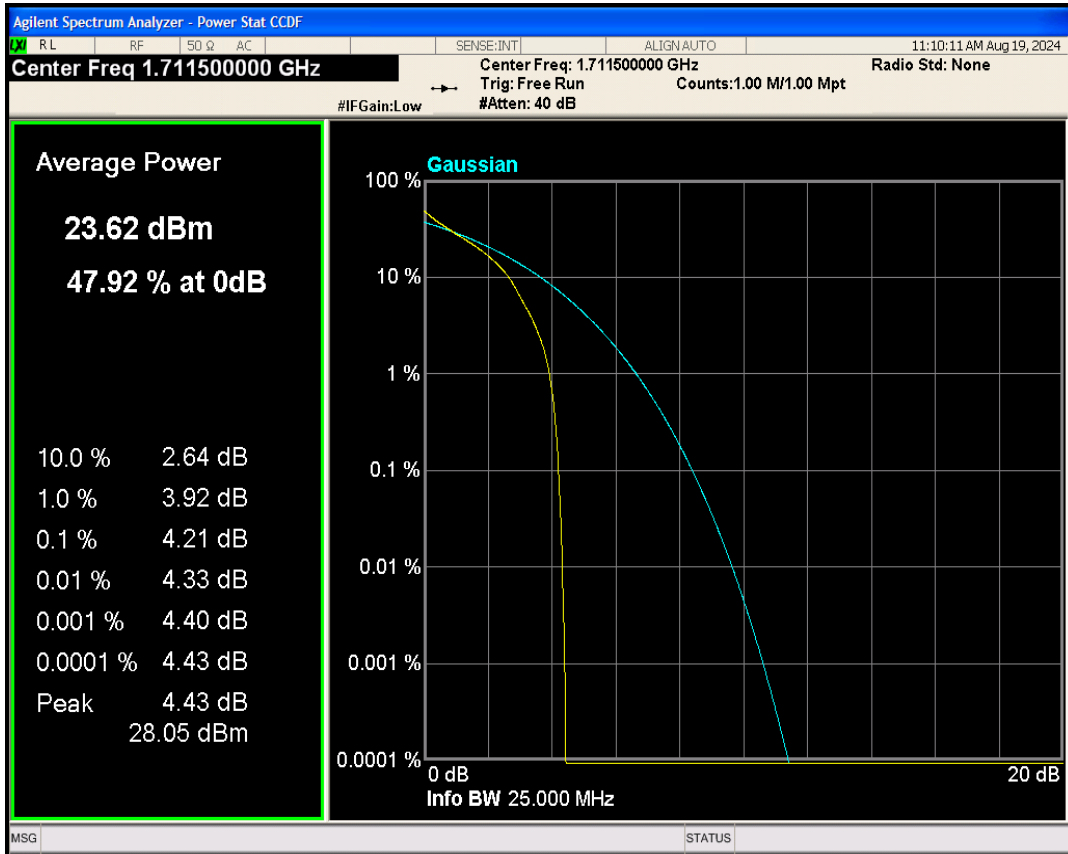
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



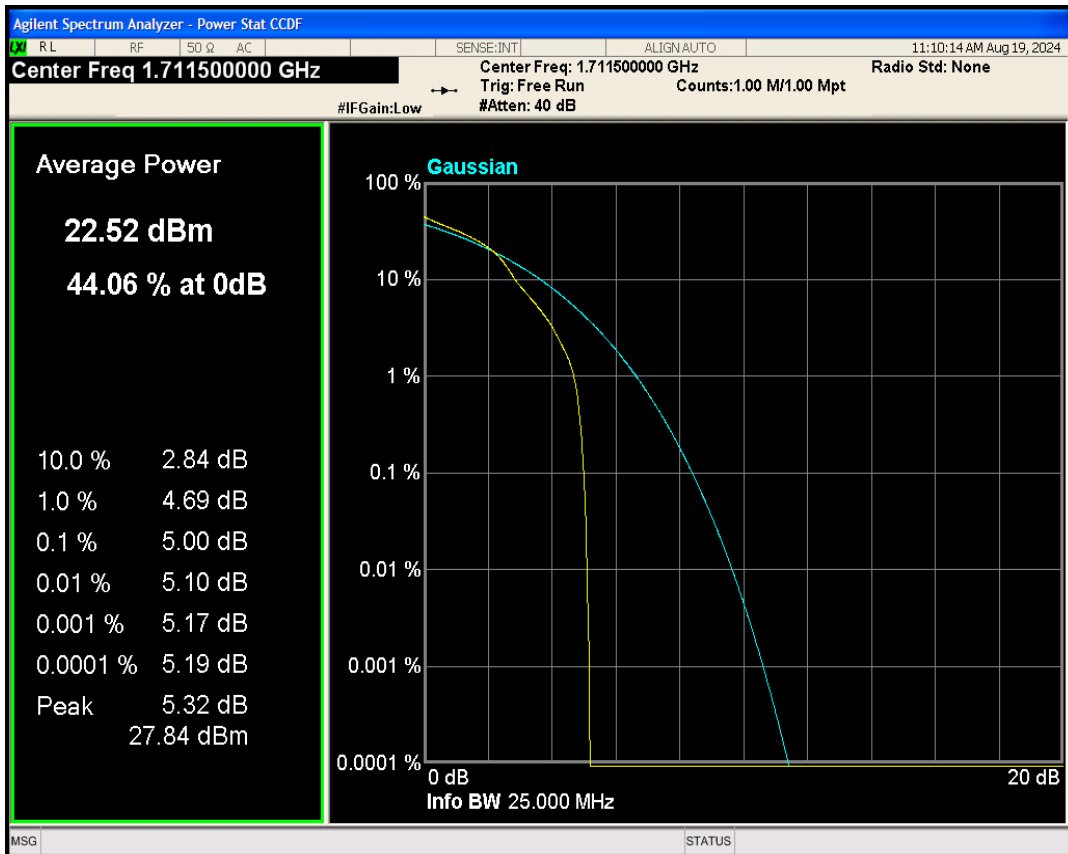
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



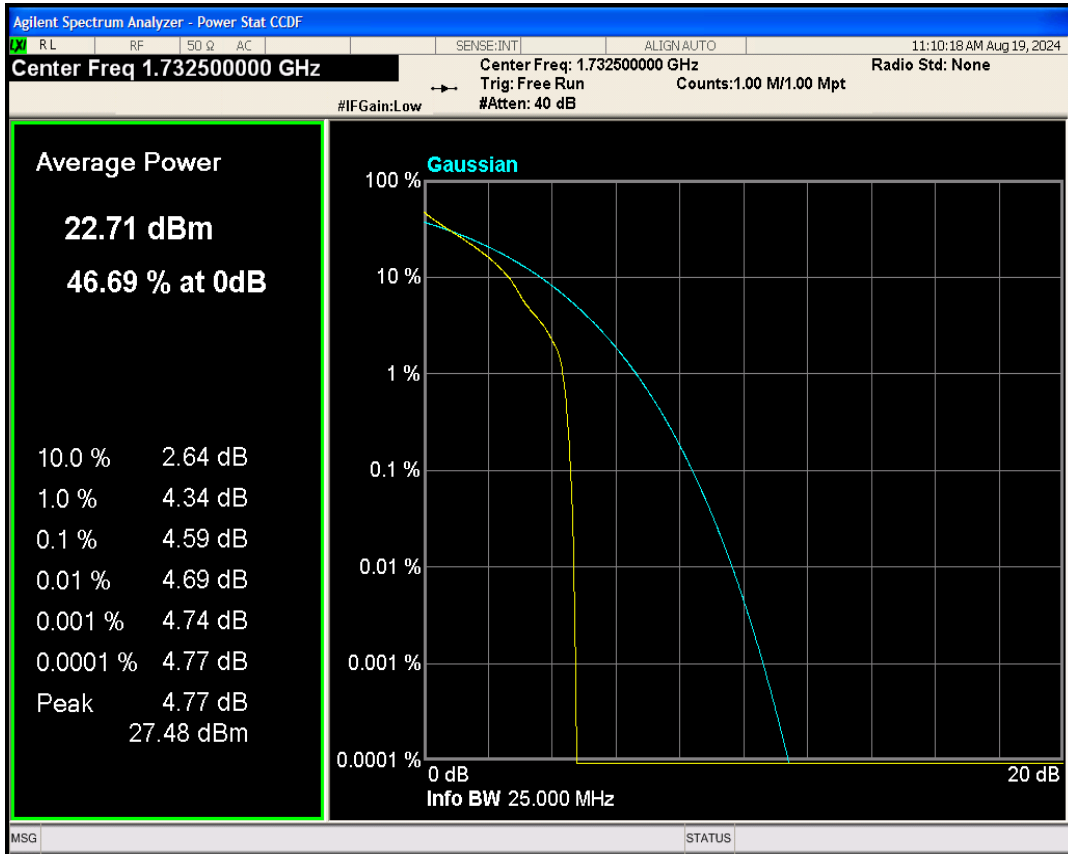
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



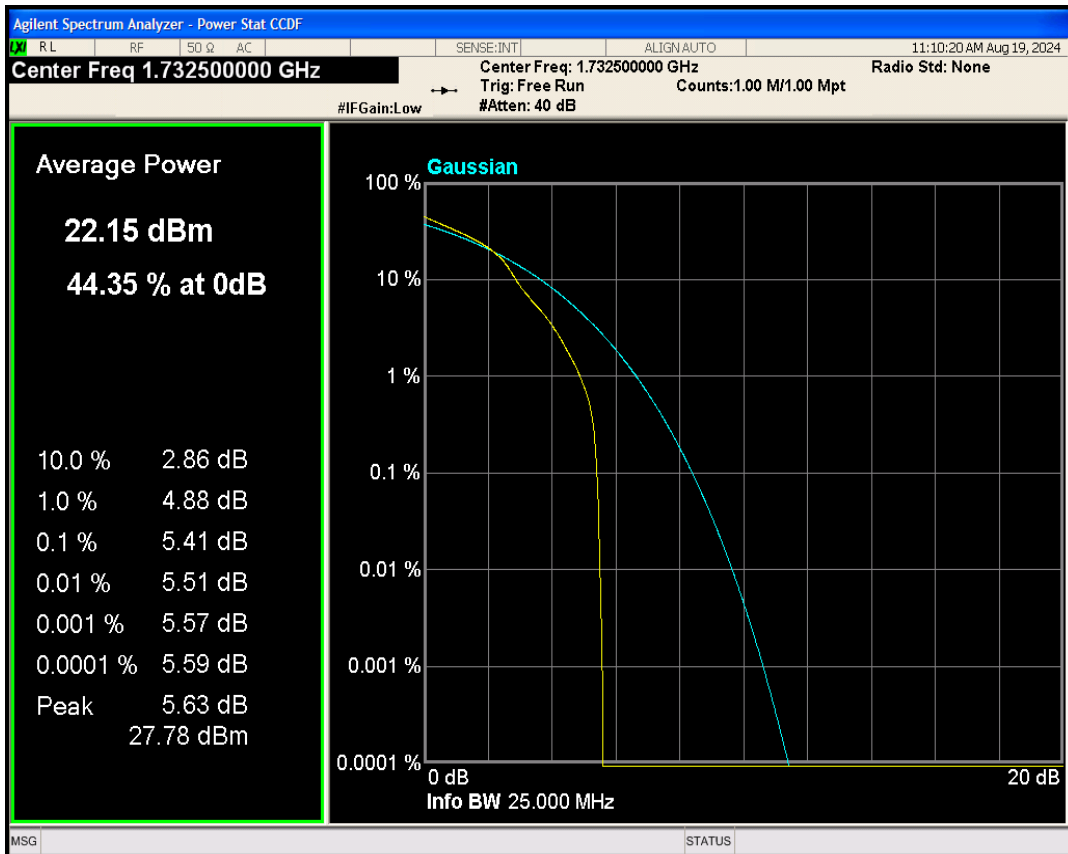
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



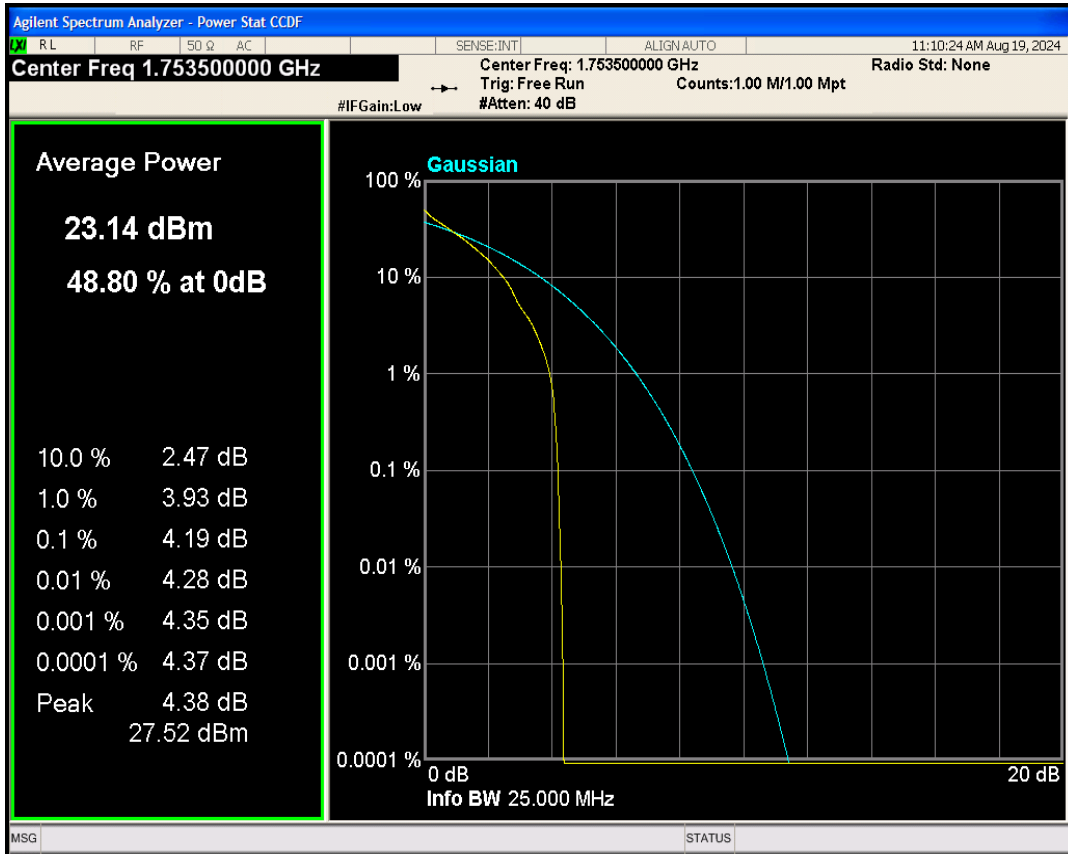
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



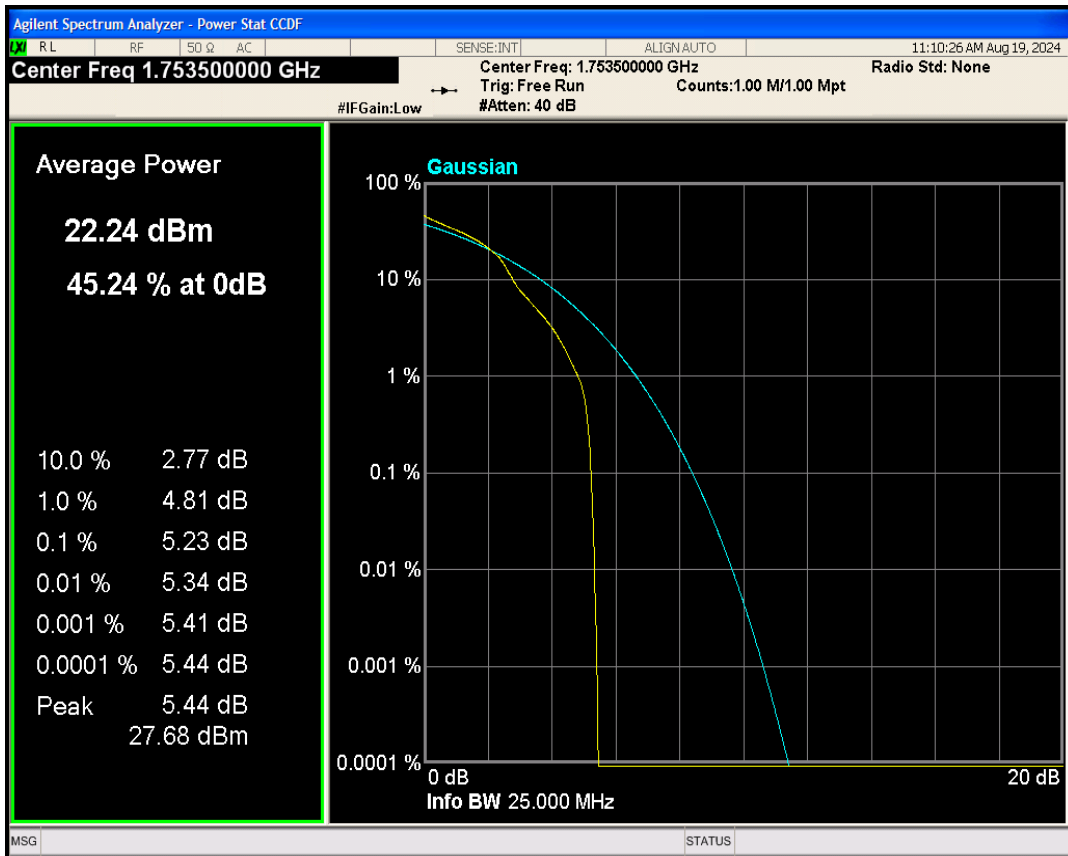
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



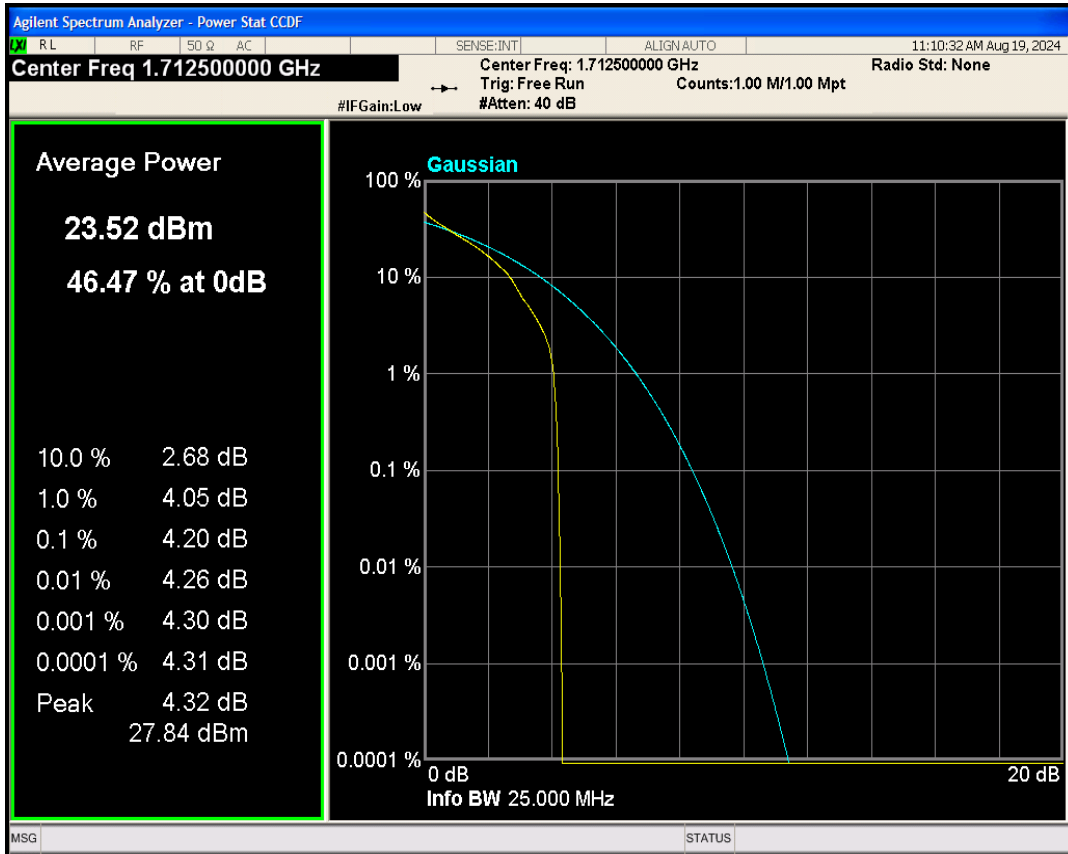
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



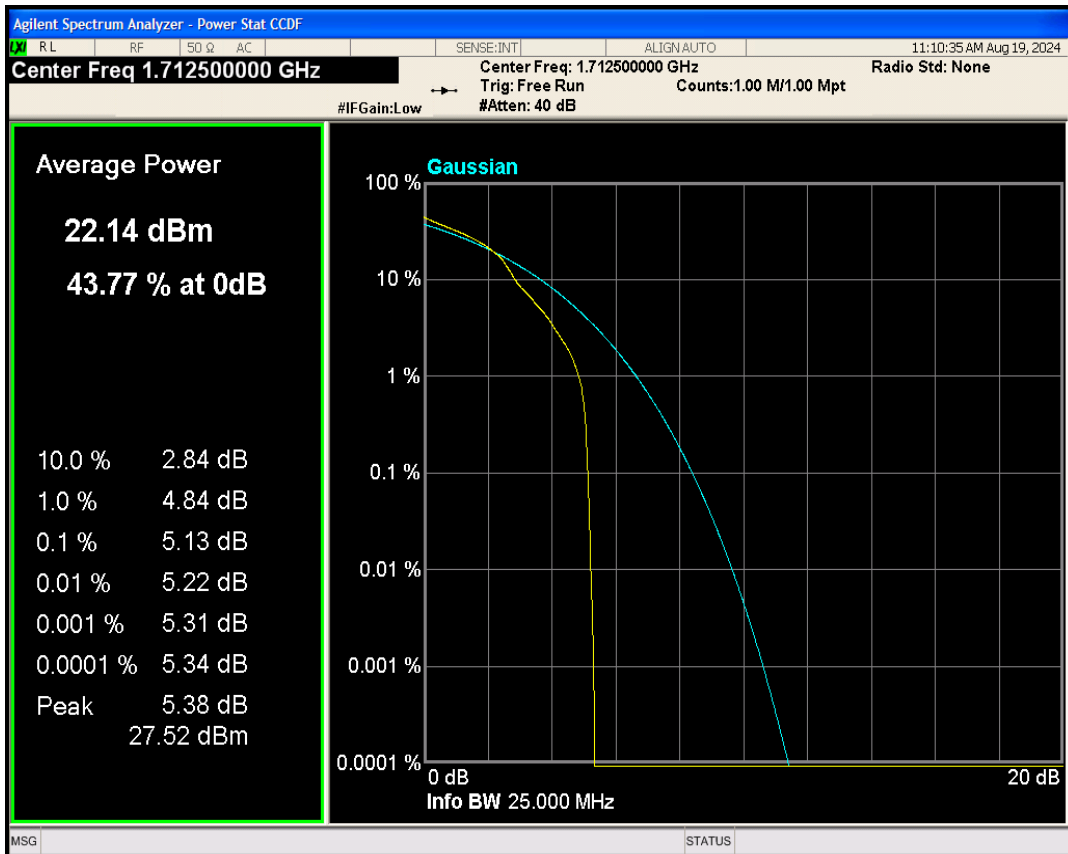
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



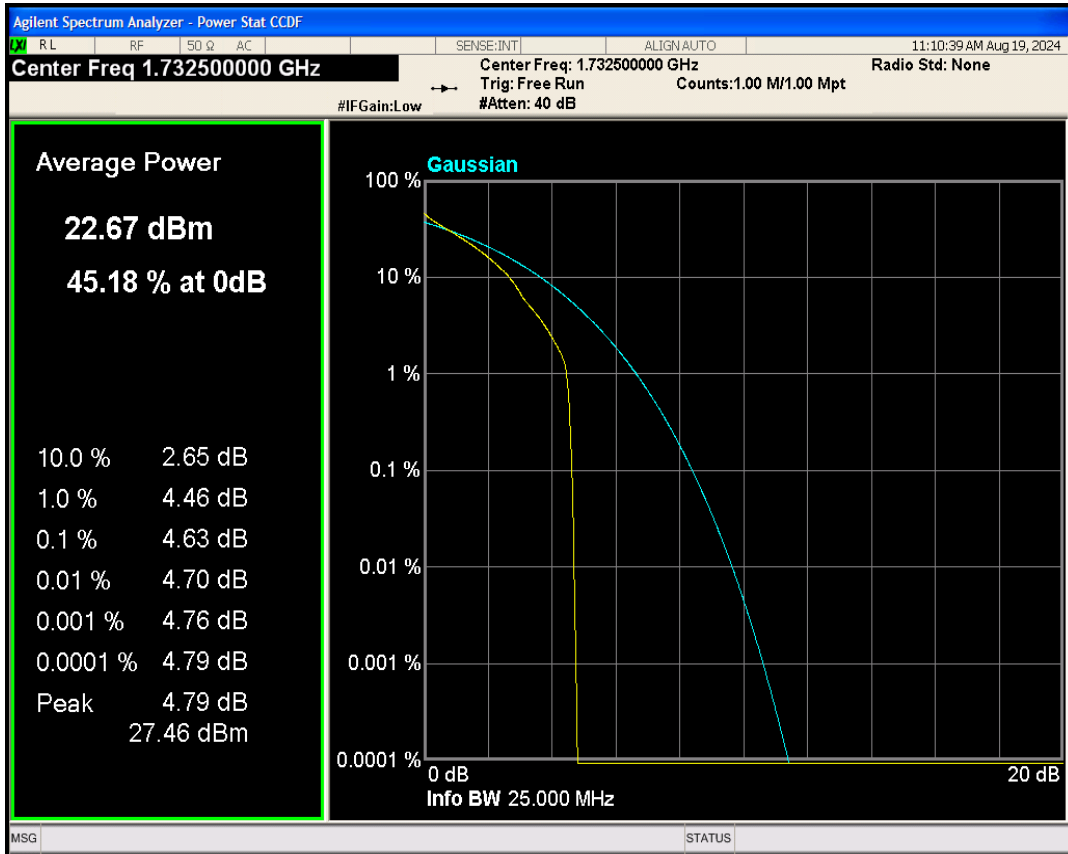
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



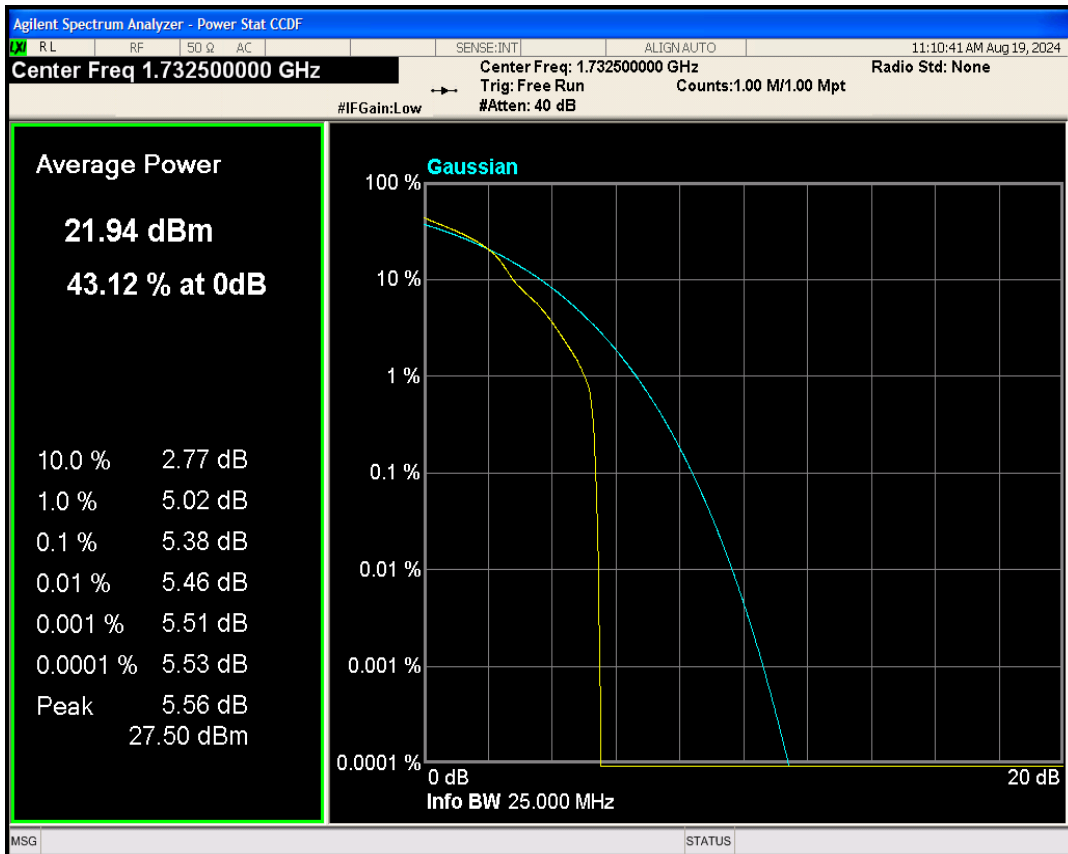
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



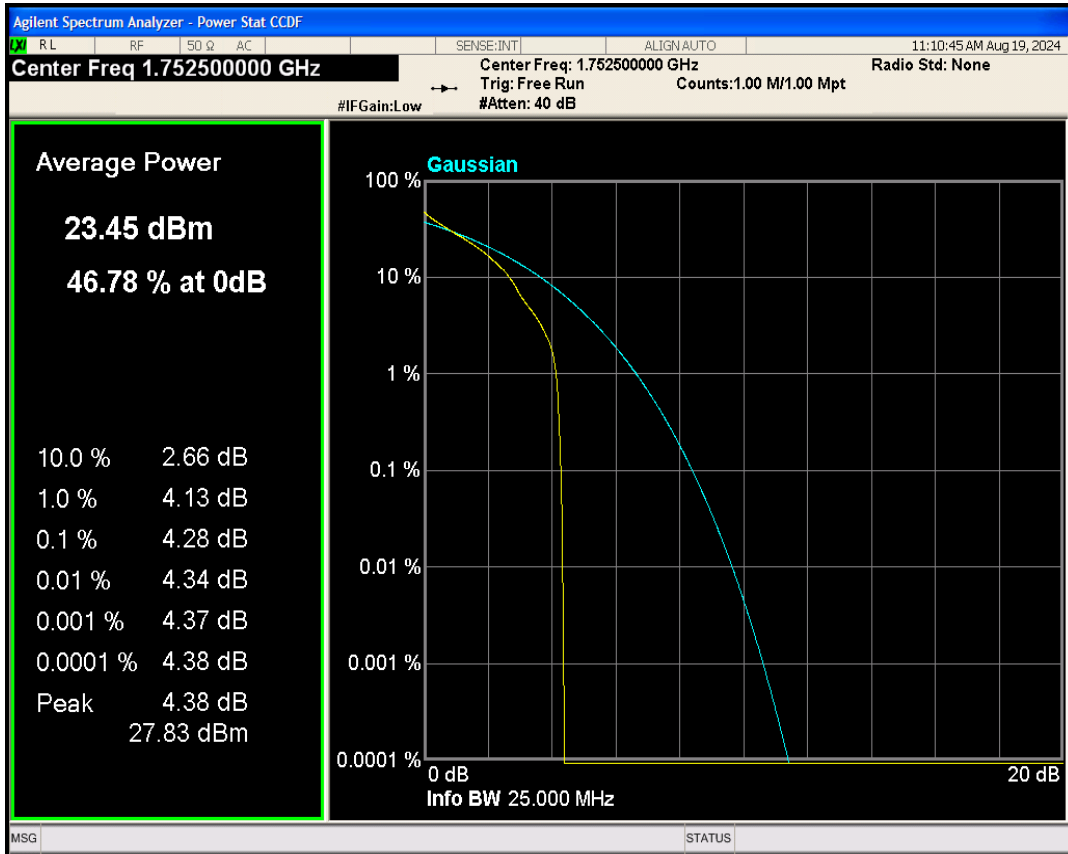
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



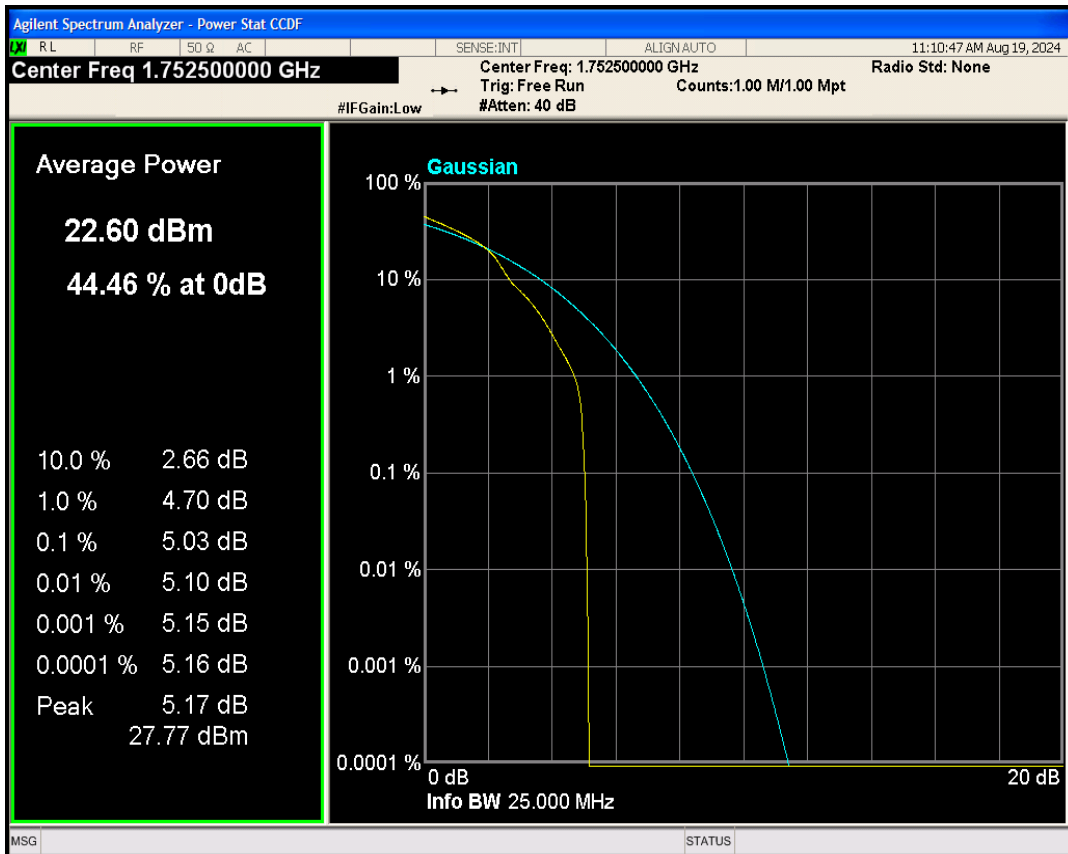
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



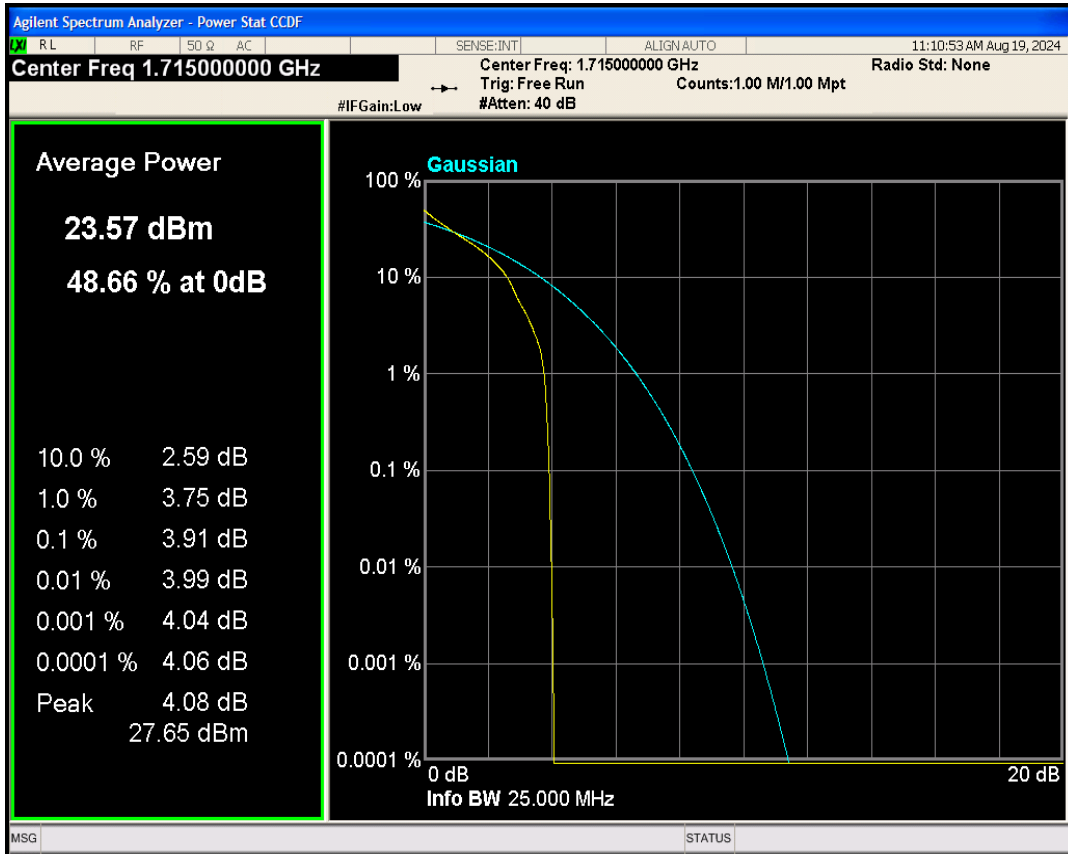
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



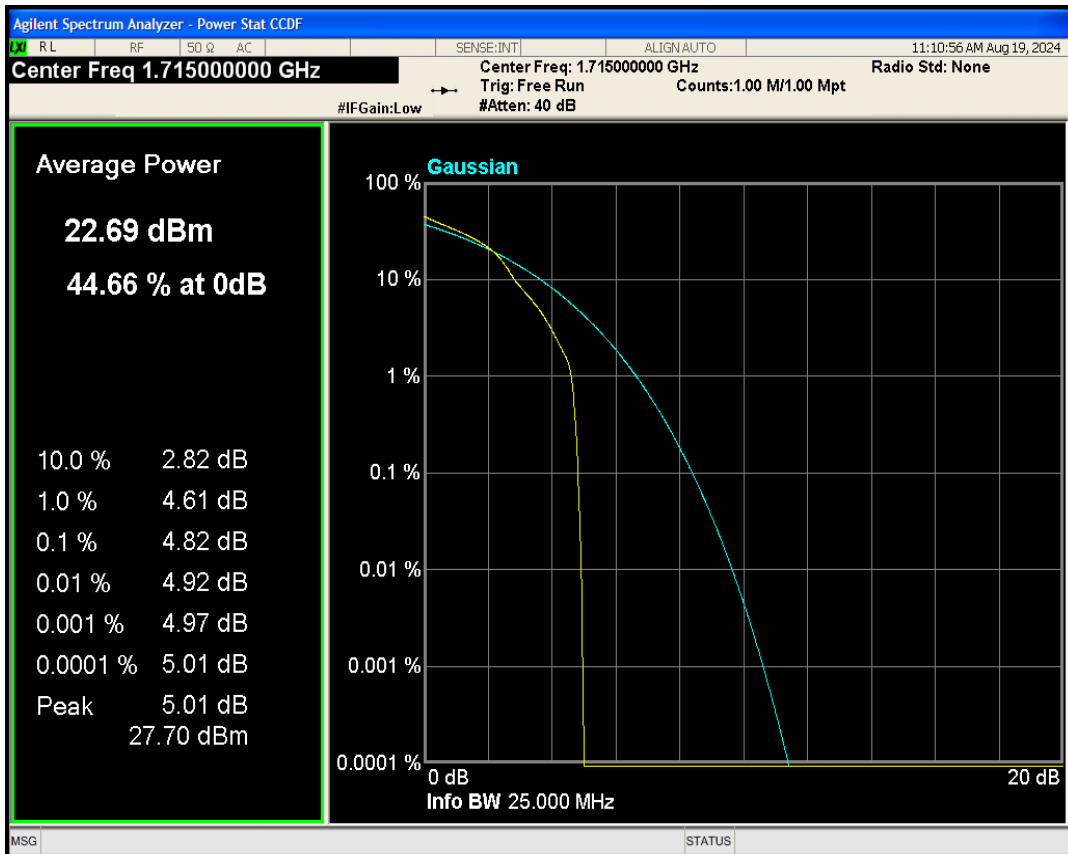
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



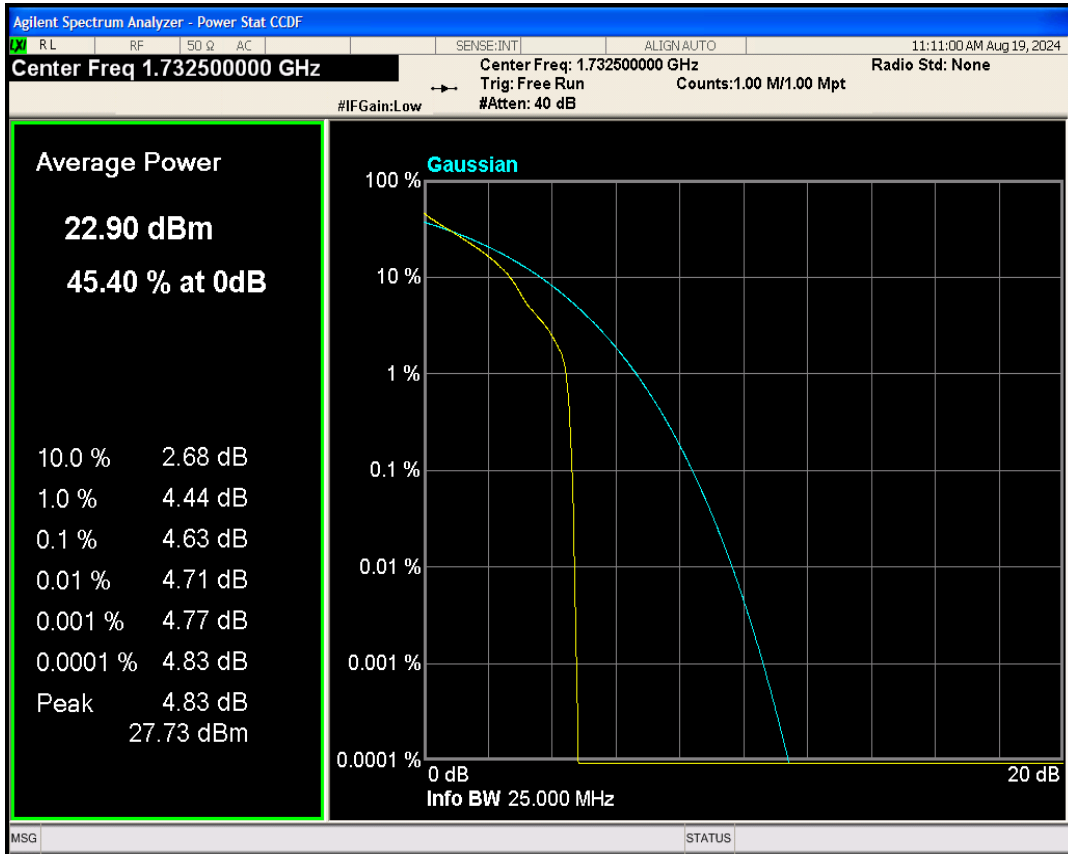
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



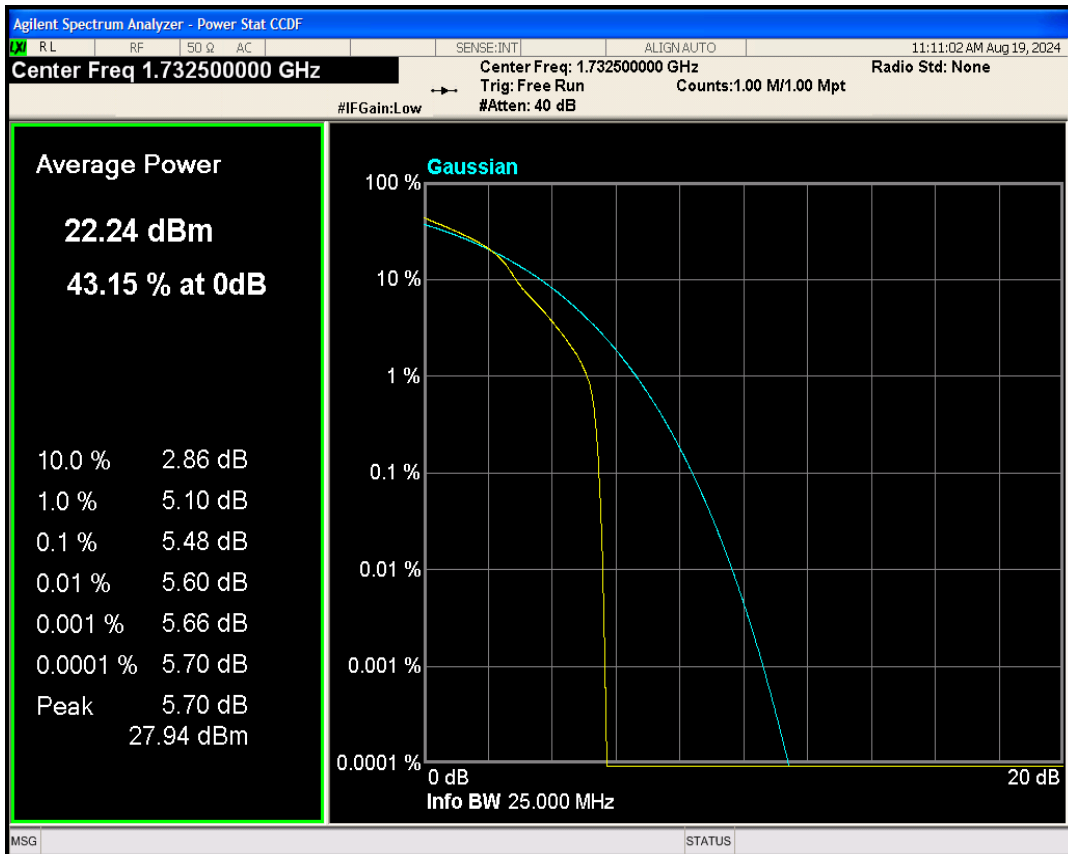
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



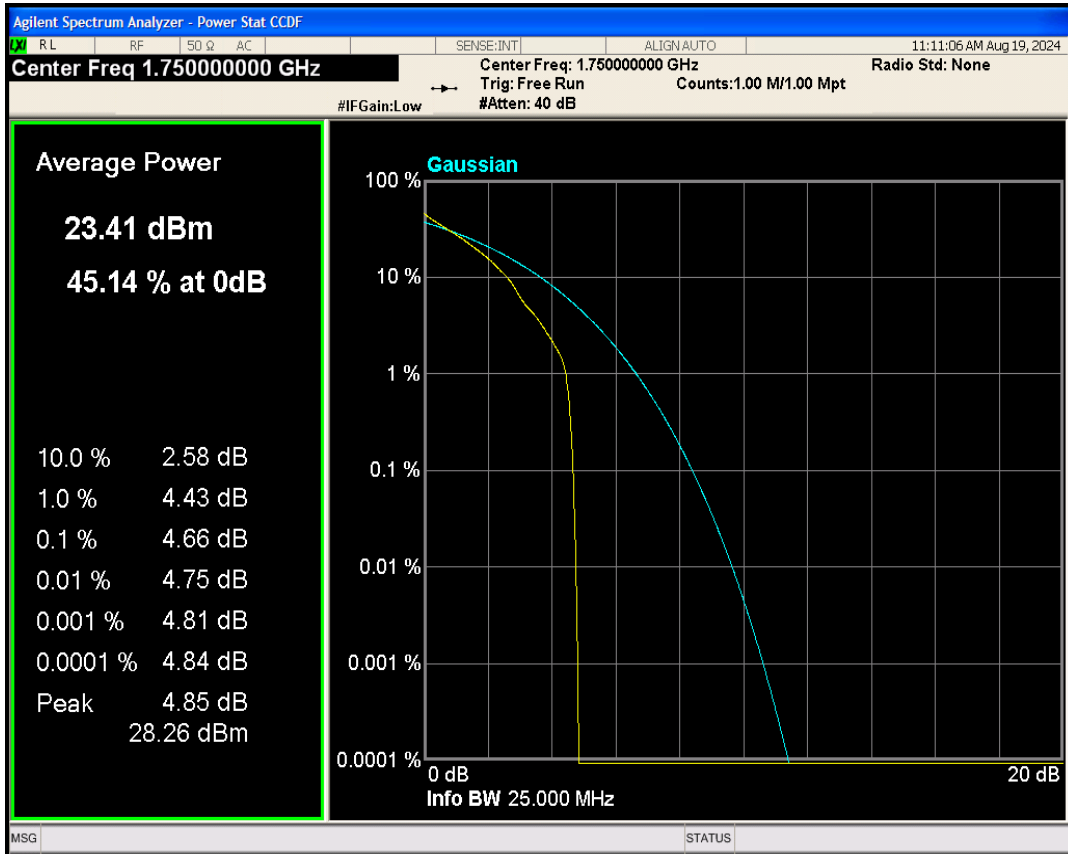
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



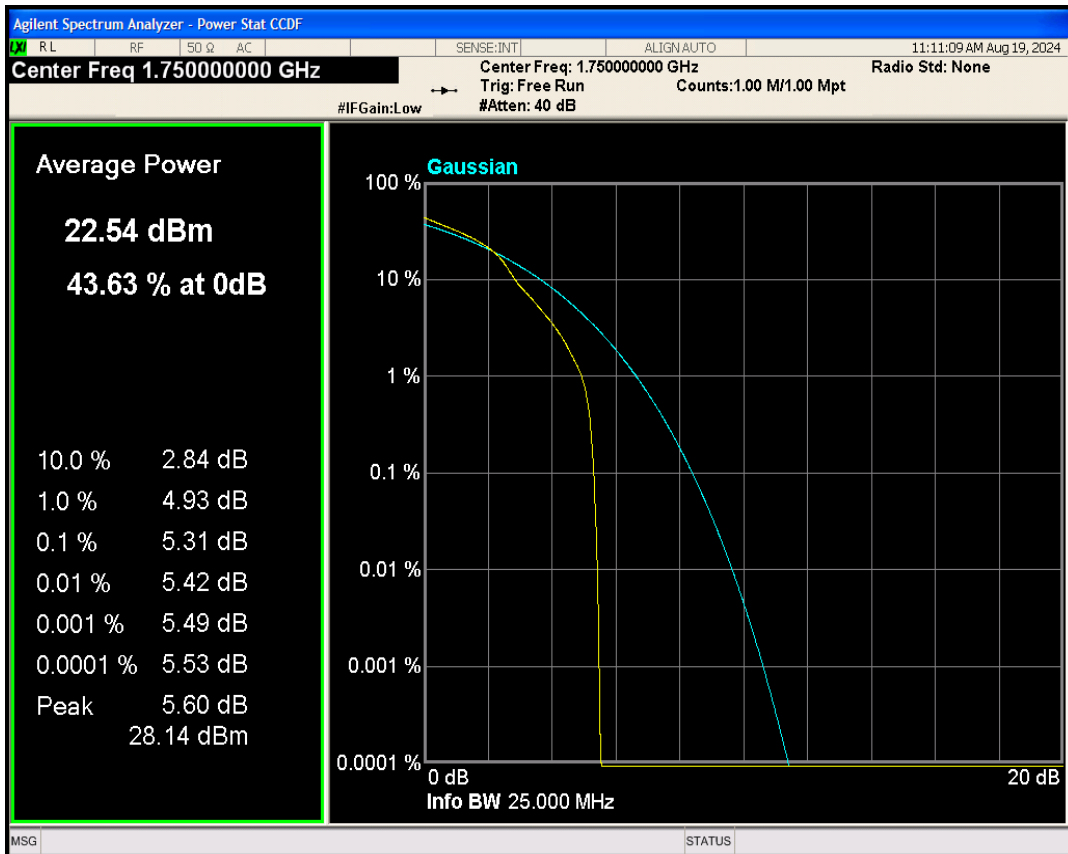
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



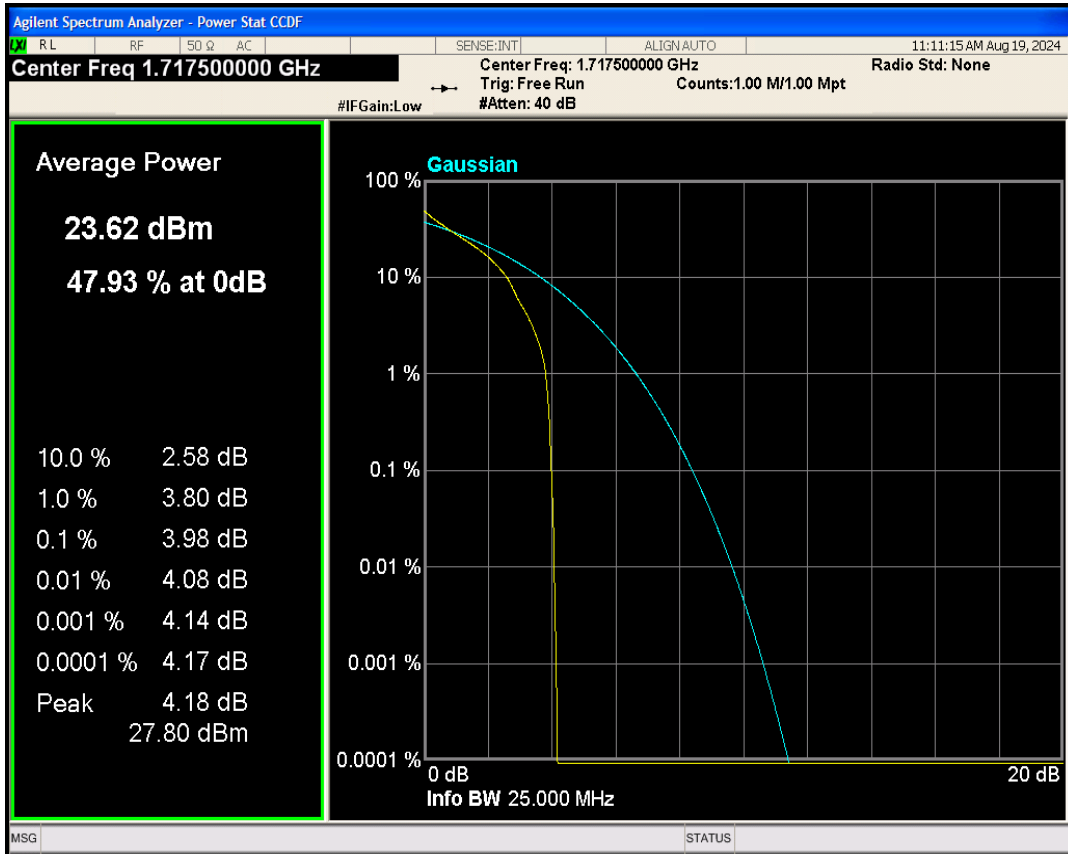
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



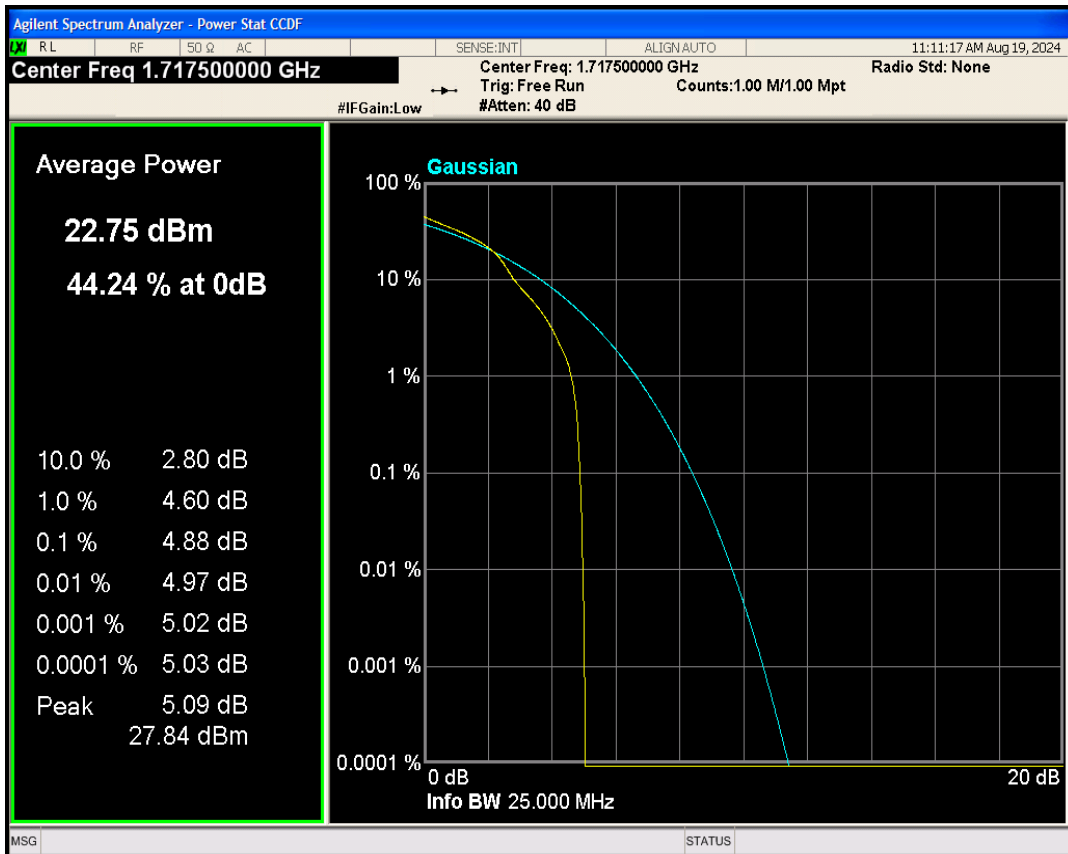
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



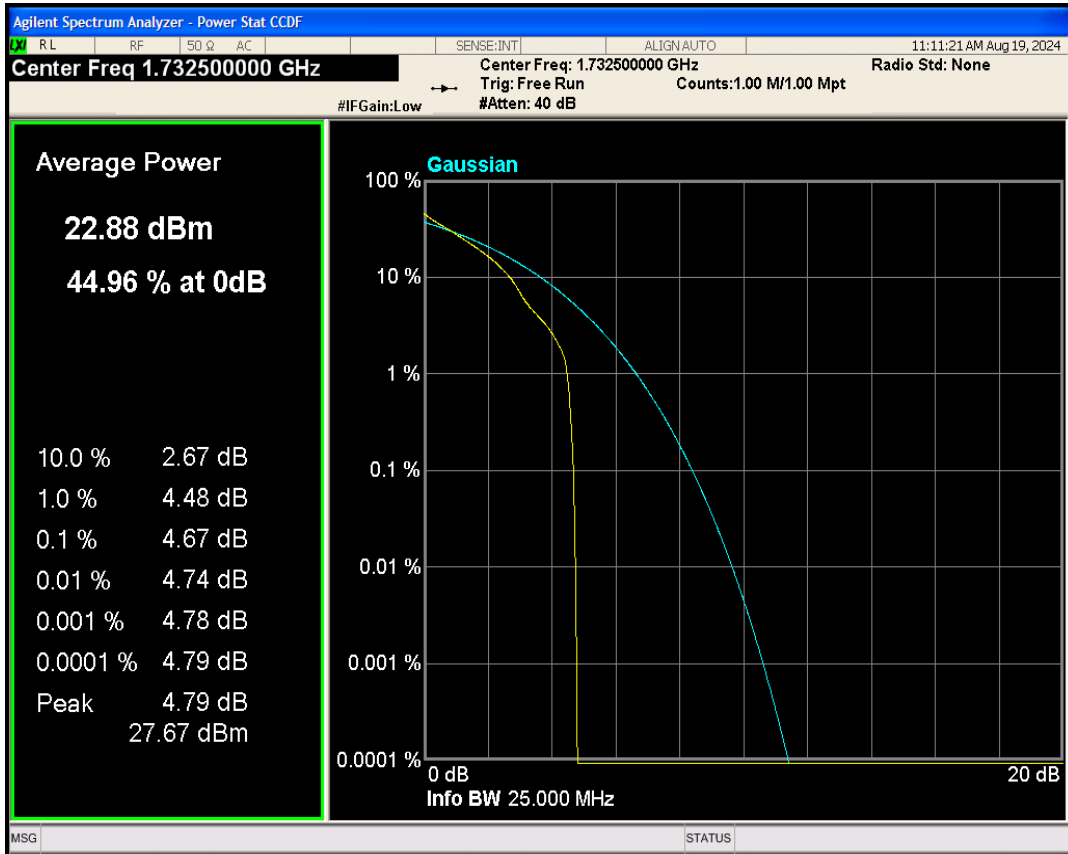
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



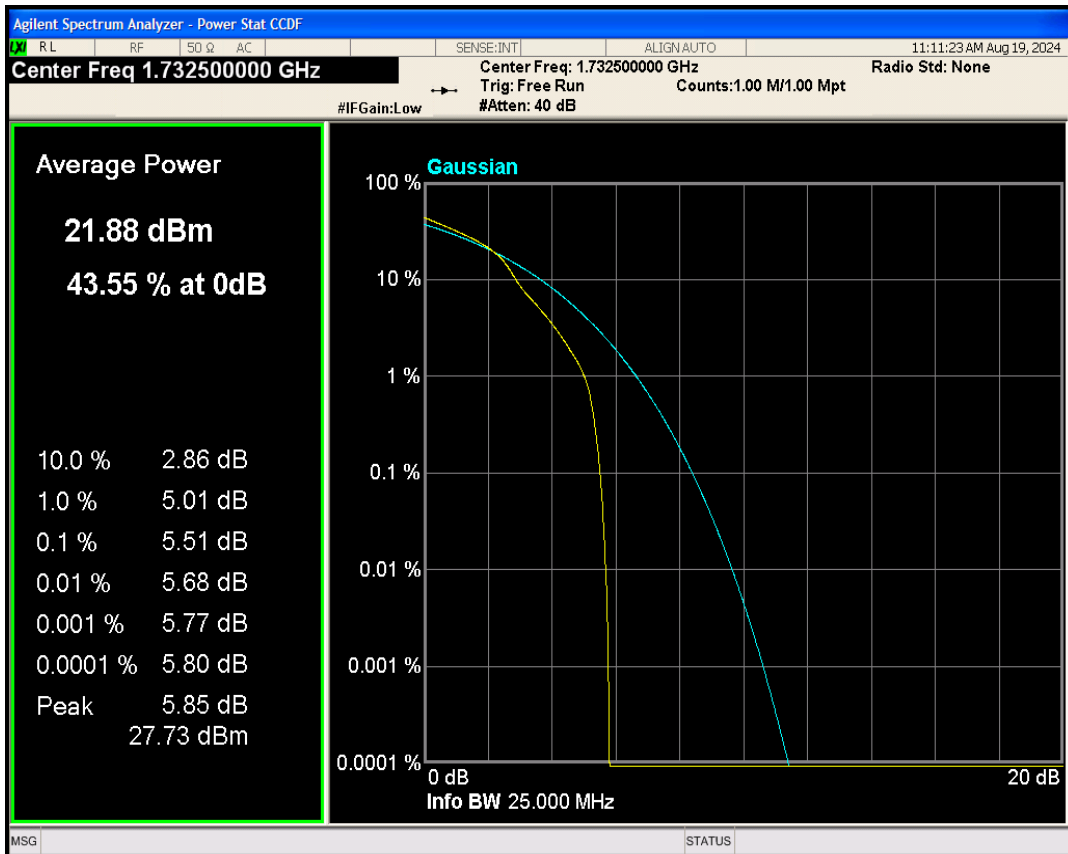
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



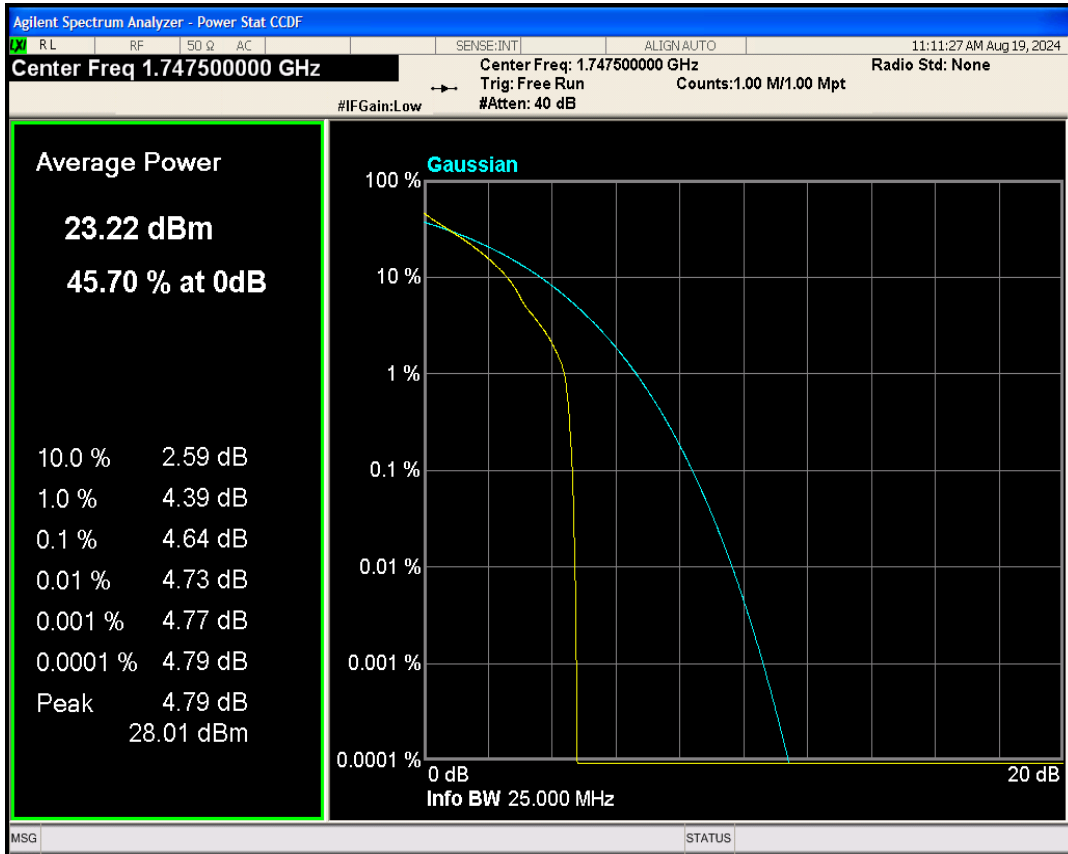
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



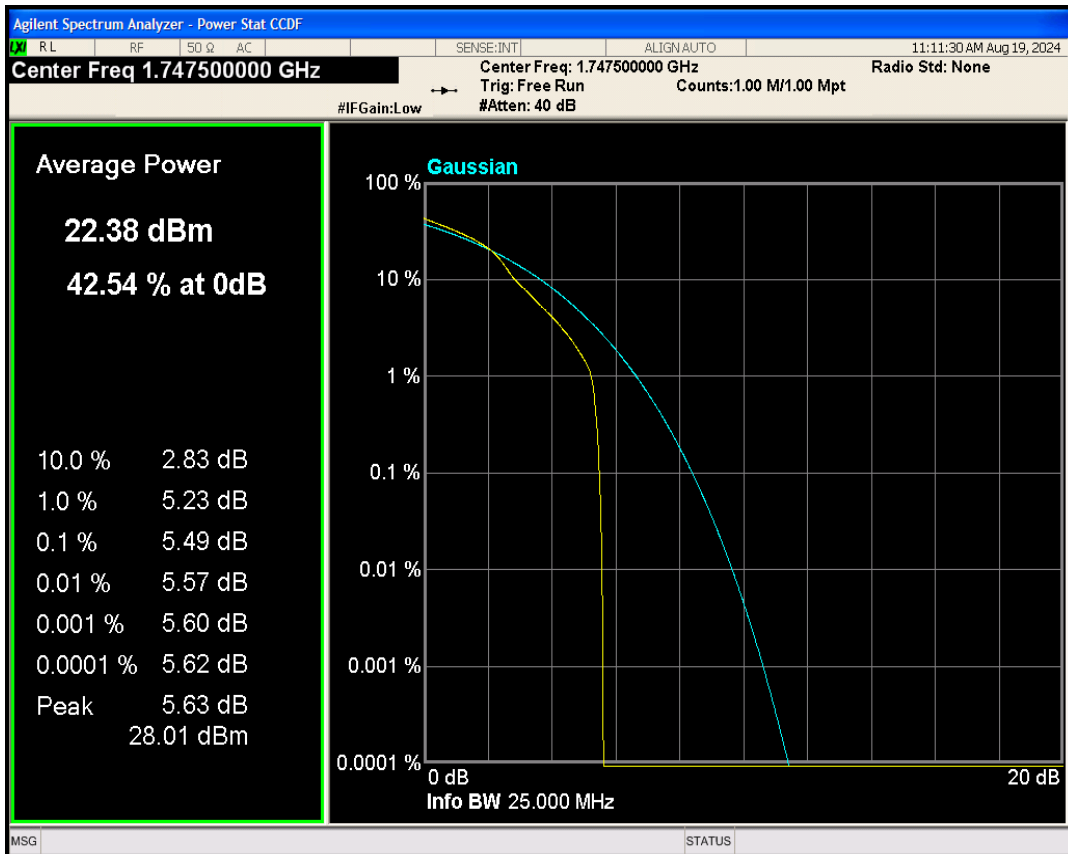
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



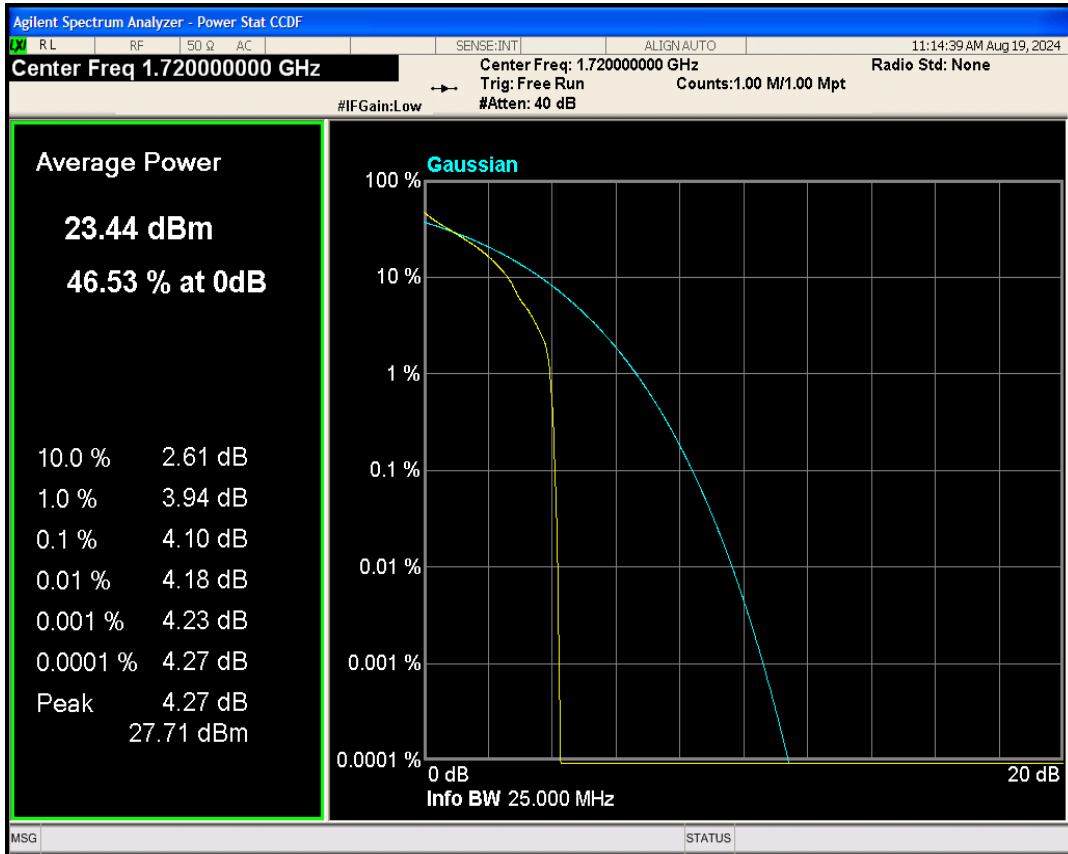
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



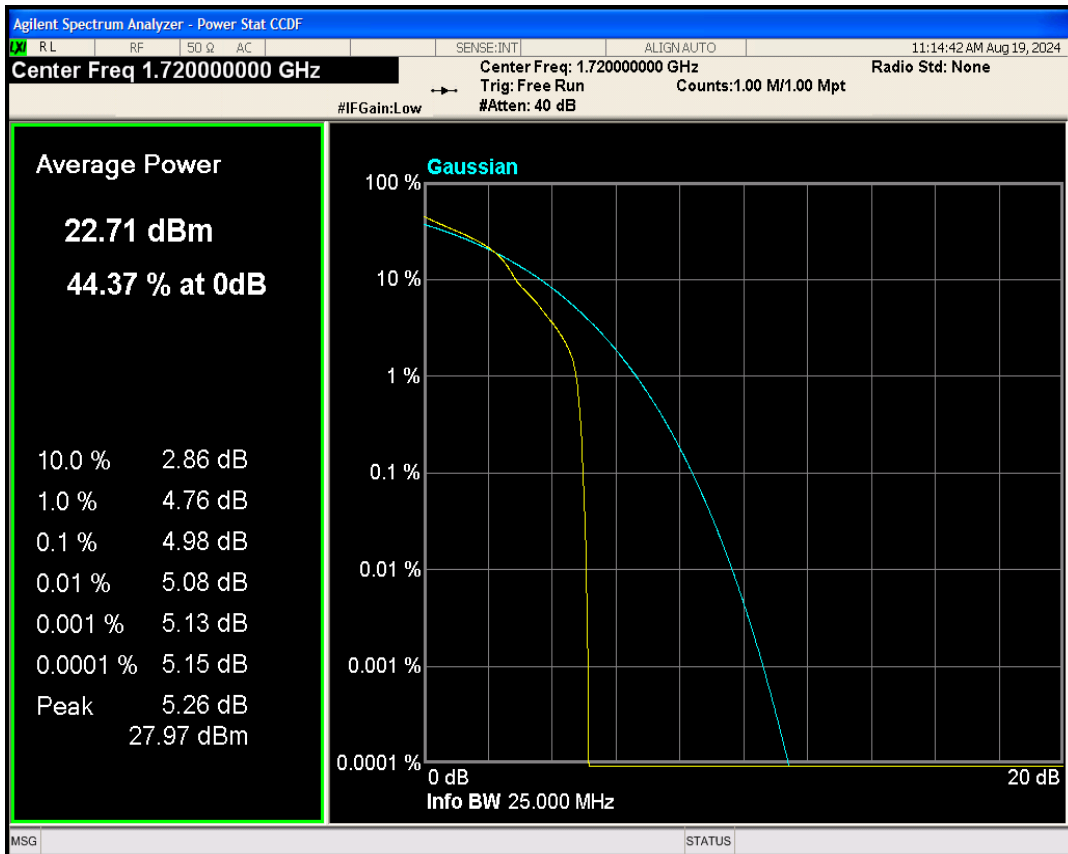
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



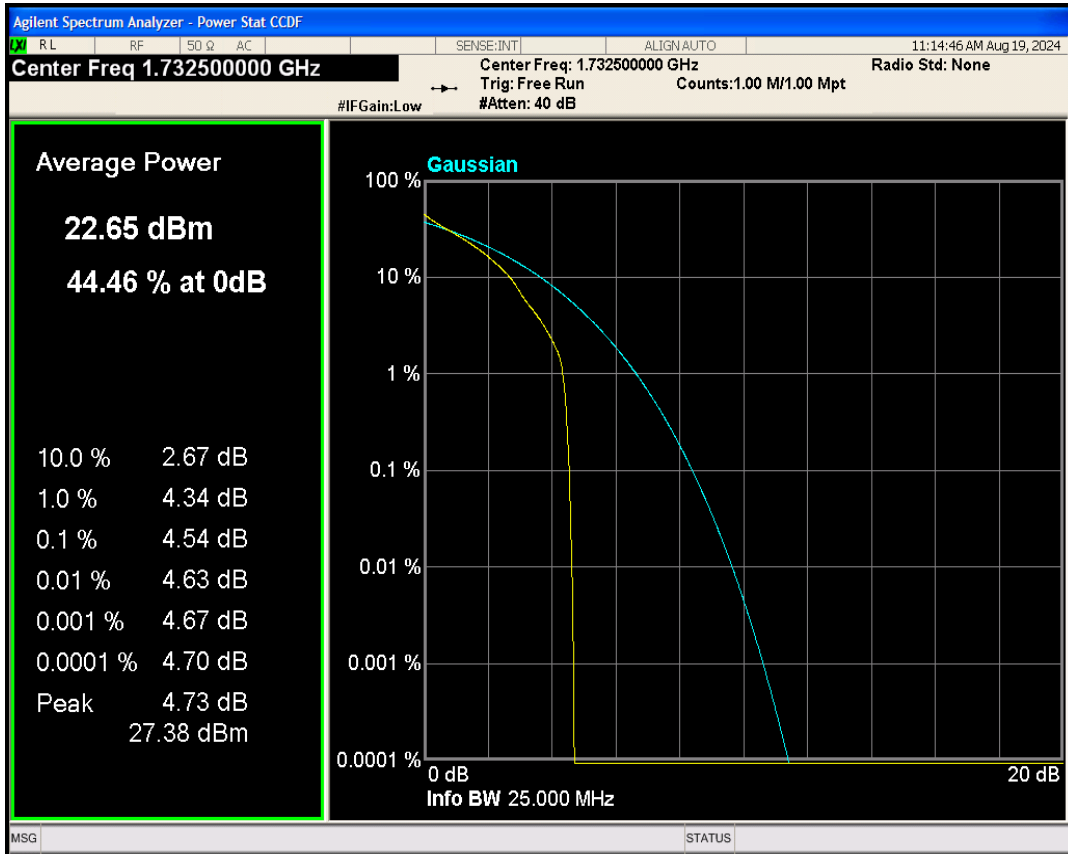
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



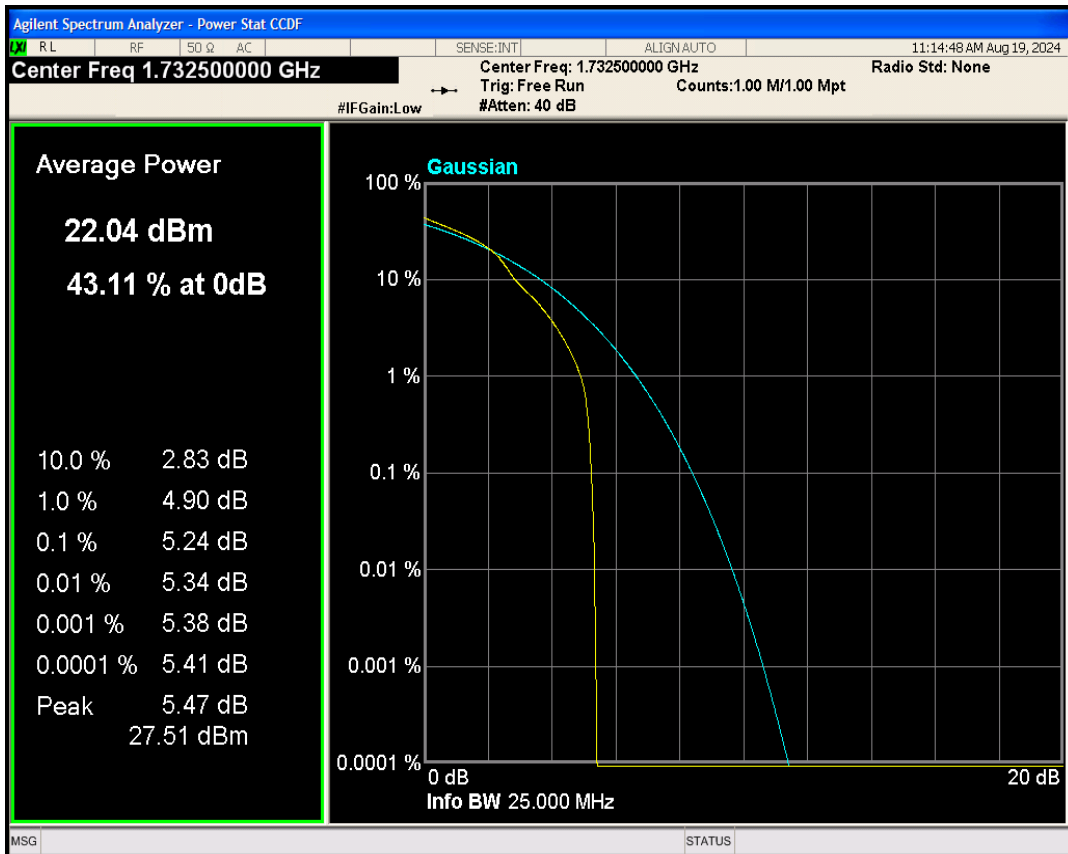
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



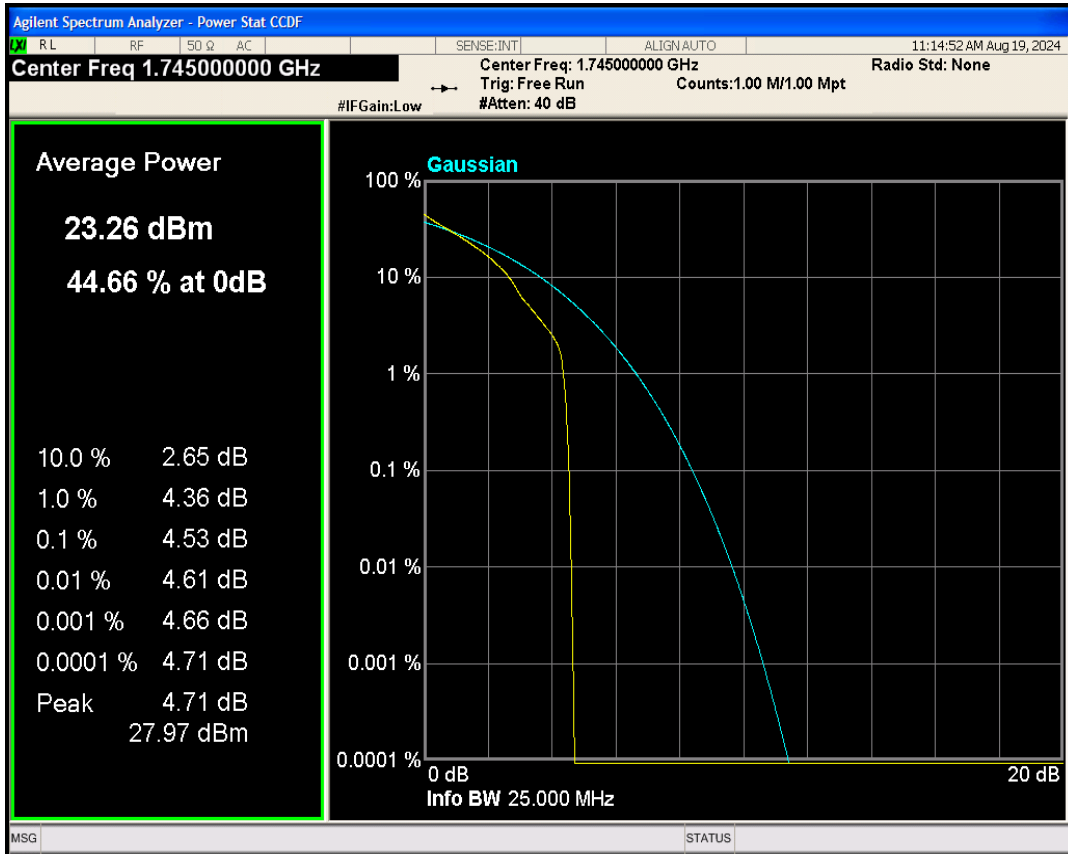
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



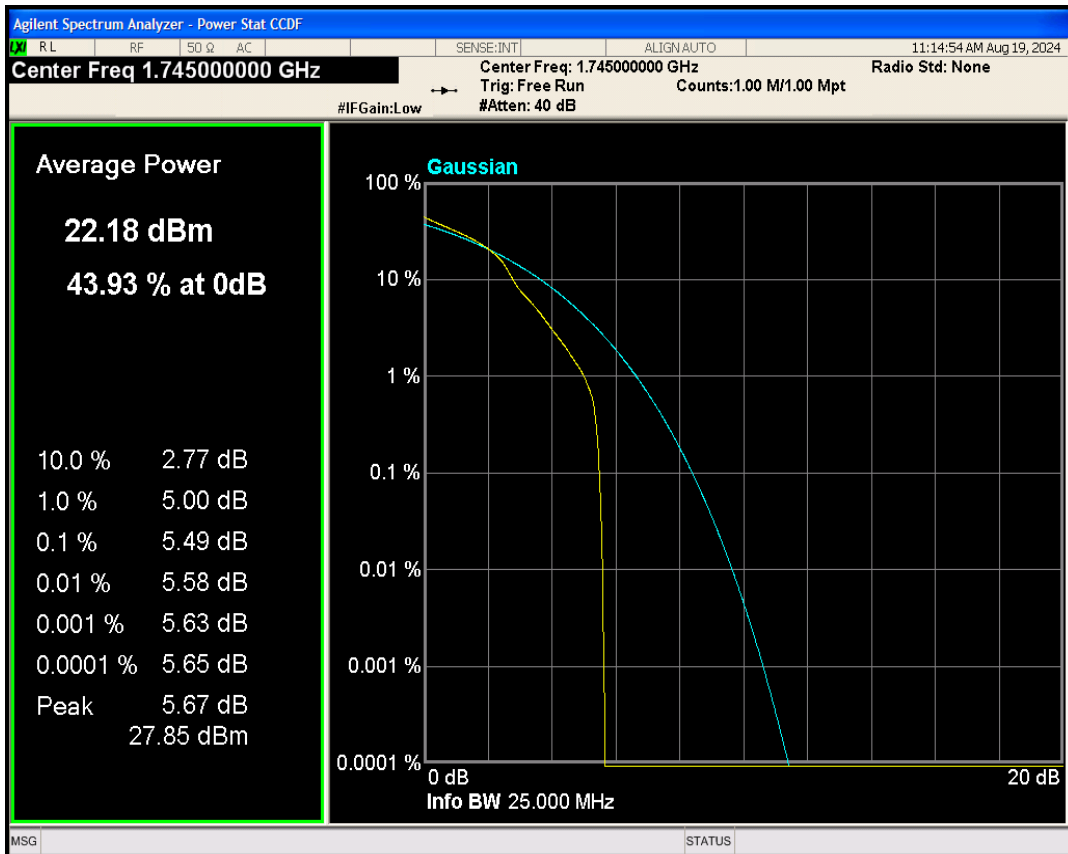
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



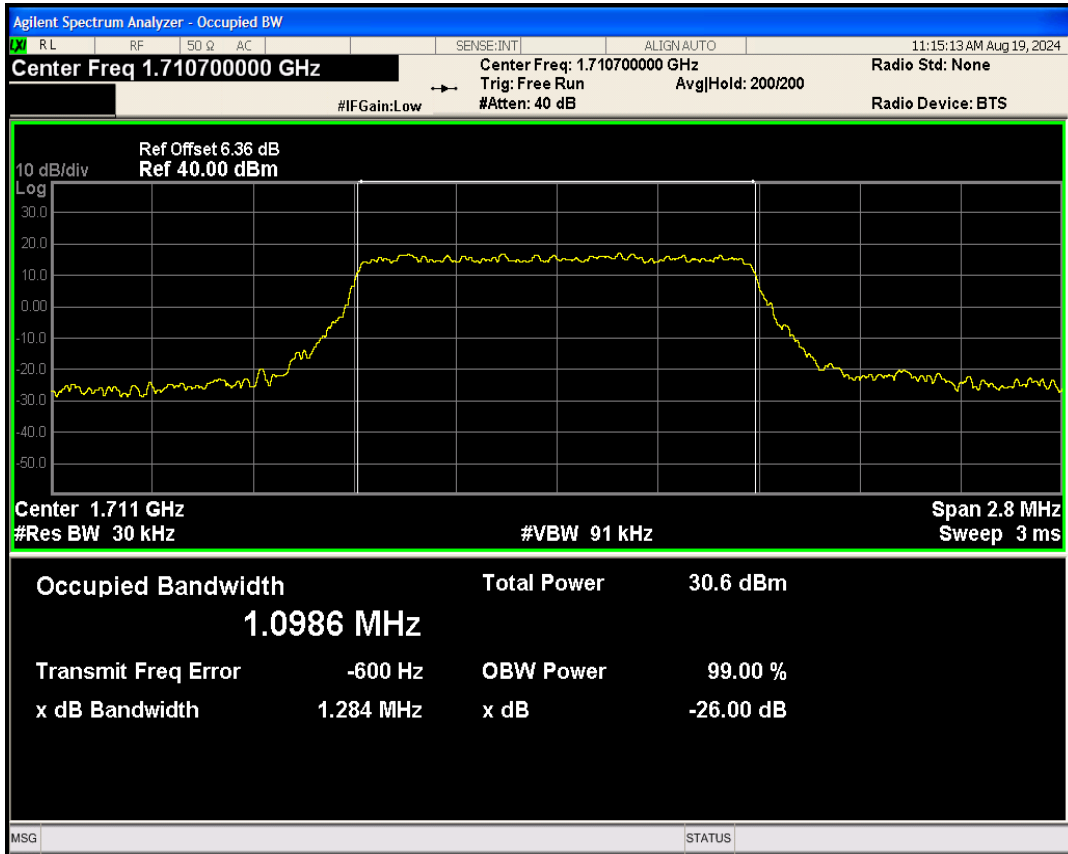
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



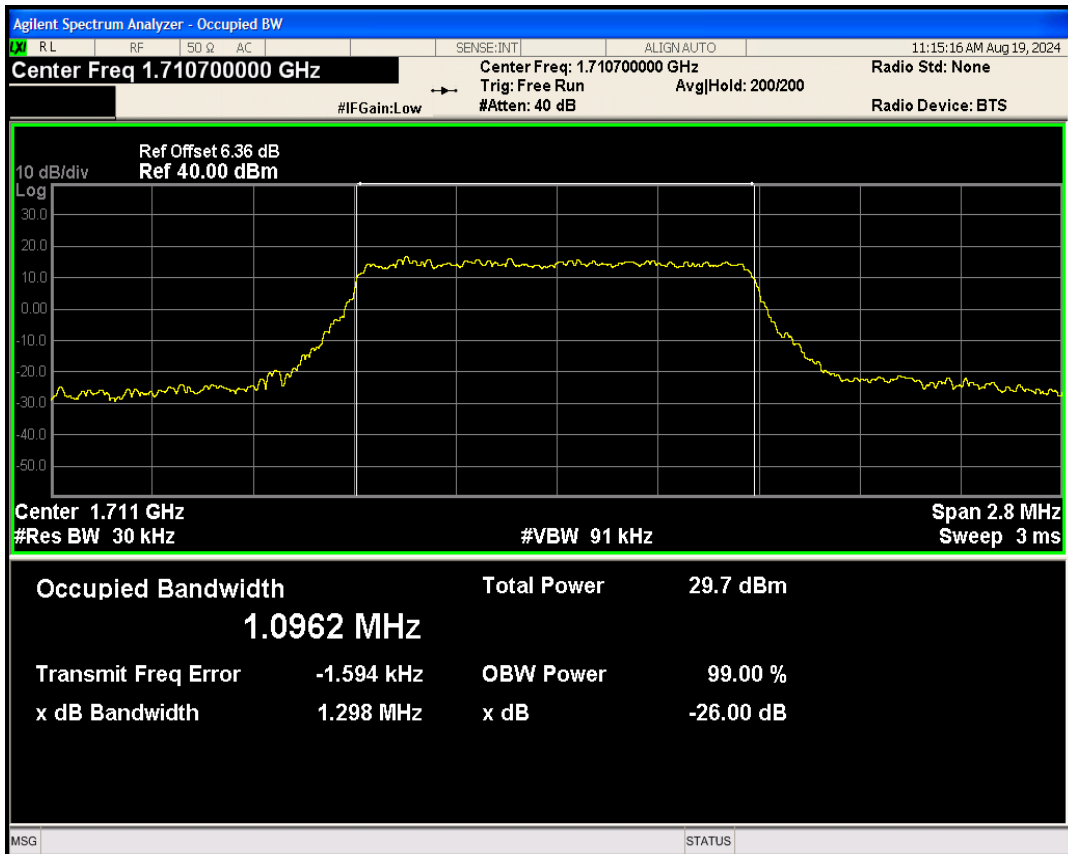
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.099	1.284	PASS
Band4	1.4	19957	6	#0	16QAM	1.096	1.298	PASS
Band4	1.4	20175	6	#0	QPSK	1.100	1.296	PASS
Band4	1.4	20175	6	#0	16QAM	1.094	1.271	PASS
Band4	1.4	20393	6	#0	QPSK	1.092	1.283	PASS
Band4	1.4	20393	6	#0	16QAM	1.106	1.301	PASS
Band4	3	19965	15	#0	QPSK	2.695	2.964	PASS
Band4	3	19965	15	#0	16QAM	2.691	2.987	PASS
Band4	3	20175	15	#0	QPSK	2.691	2.996	PASS
Band4	3	20175	15	#0	16QAM	2.702	2.975	PASS
Band4	3	20385	15	#0	QPSK	2.700	2.963	PASS
Band4	3	20385	15	#0	16QAM	2.689	3.004	PASS
Band4	5	19975	25	#0	QPSK	4.513	4.988	PASS
Band4	5	19975	25	#0	16QAM	4.508	4.961	PASS
Band4	5	20175	25	#0	QPSK	4.503	4.970	PASS
Band4	5	20175	25	#0	16QAM	4.512	4.977	PASS
Band4	5	20375	25	#0	QPSK	4.513	4.936	PASS
Band4	5	20375	25	#0	16QAM	4.506	4.947	PASS
Band4	10	20000	50	#0	QPSK	8.969	9.945	PASS
Band4	10	20000	50	#0	16QAM	8.928	9.706	PASS
Band4	10	20175	50	#0	QPSK	8.948	9.737	PASS
Band4	10	20175	50	#0	16QAM	8.942	9.703	PASS
Band4	10	20350	50	#0	QPSK	8.986	9.683	PASS
Band4	10	20350	50	#0	16QAM	8.922	9.791	PASS
Band4	15	20025	75	#0	QPSK	13.385	14.477	PASS
Band4	15	20025	75	#0	16QAM	13.390	14.597	PASS
Band4	15	20175	75	#0	QPSK	13.375	14.464	PASS
Band4	15	20175	75	#0	16QAM	13.344	14.339	PASS
Band4	15	20325	75	#0	QPSK	13.387	14.524	PASS
Band4	15	20325	75	#0	16QAM	13.406	14.488	PASS
Band4	20	20050	100	#0	QPSK	17.941	19.322	PASS
Band4	20	20050	100	#0	16QAM	17.855	19.250	PASS
Band4	20	20175	100	#0	QPSK	17.853	19.158	PASS
Band4	20	20175	100	#0	16QAM	17.810	19.372	PASS
Band4	20	20300	100	#0	QPSK	17.986	19.271	PASS
Band4	20	20300	100	#0	16QAM	17.966	19.300	PASS

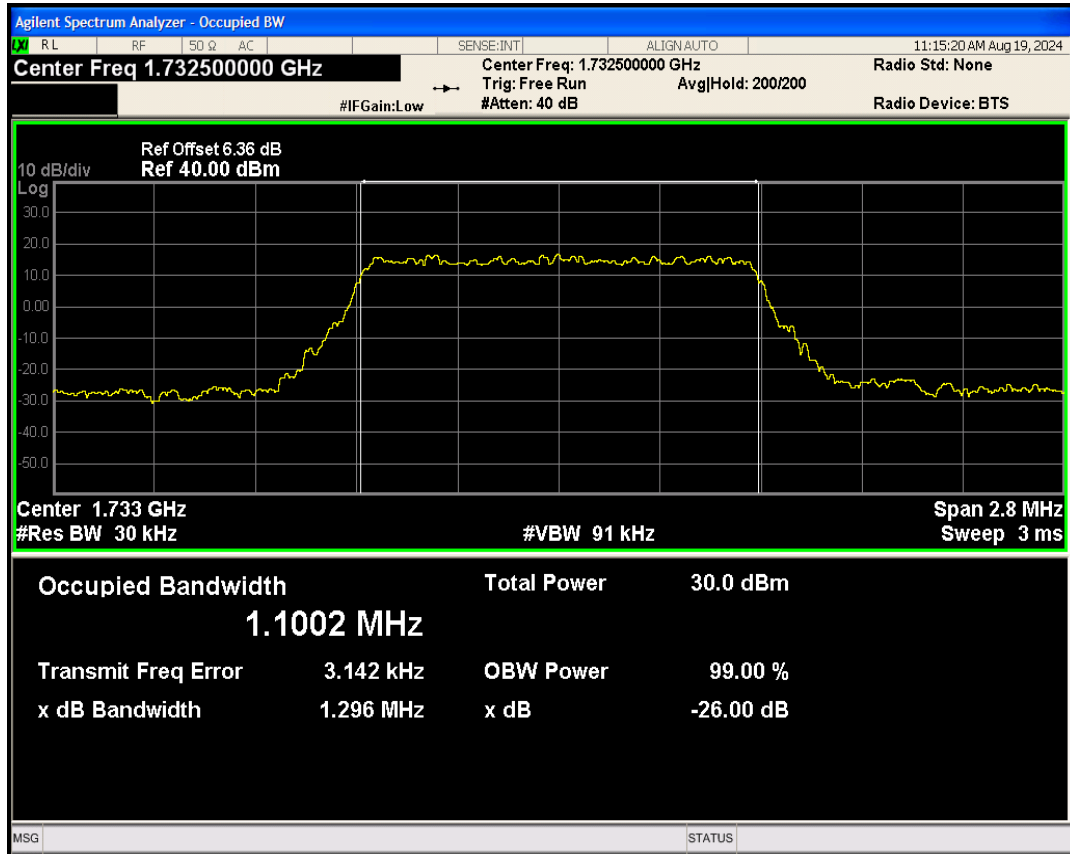
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



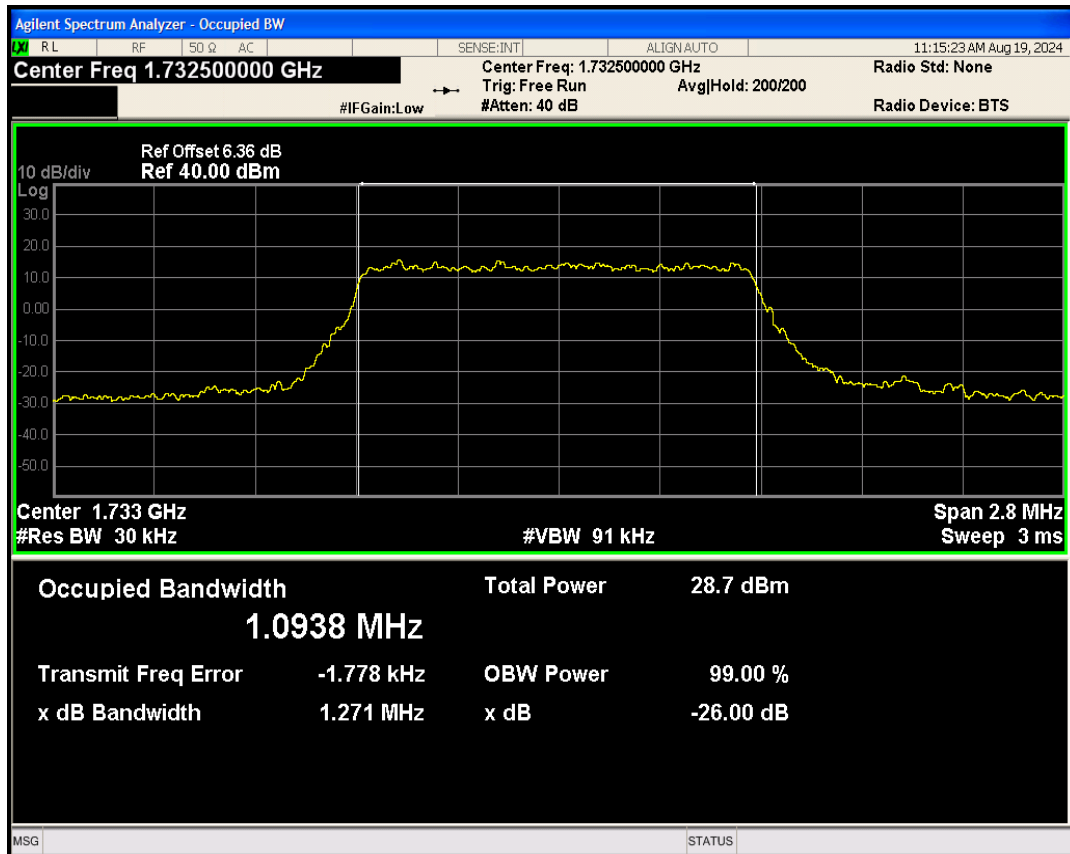
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



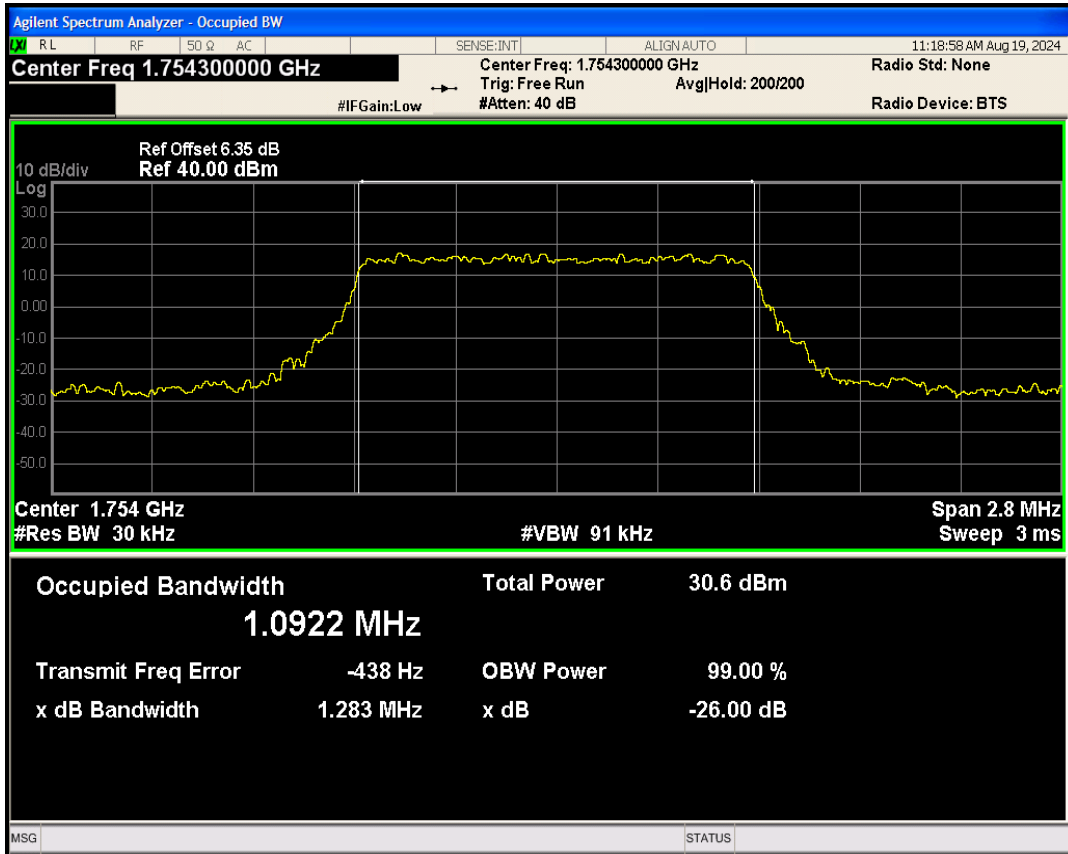
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



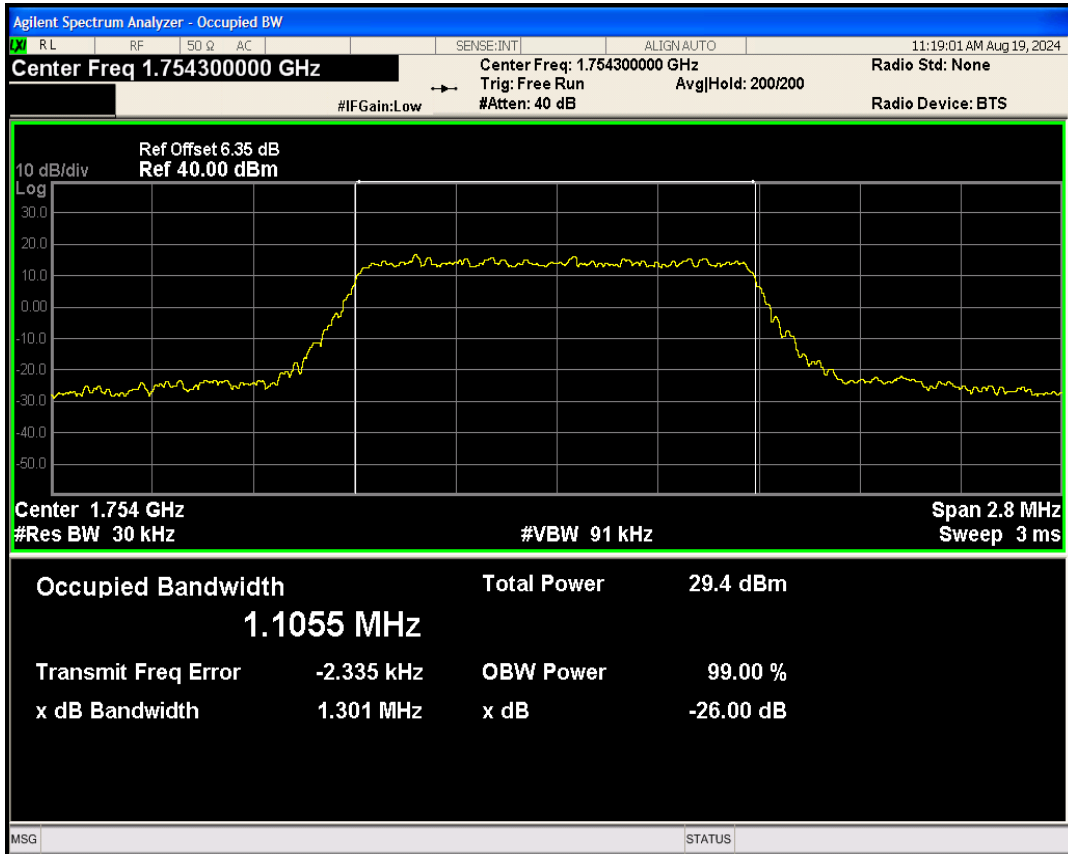
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



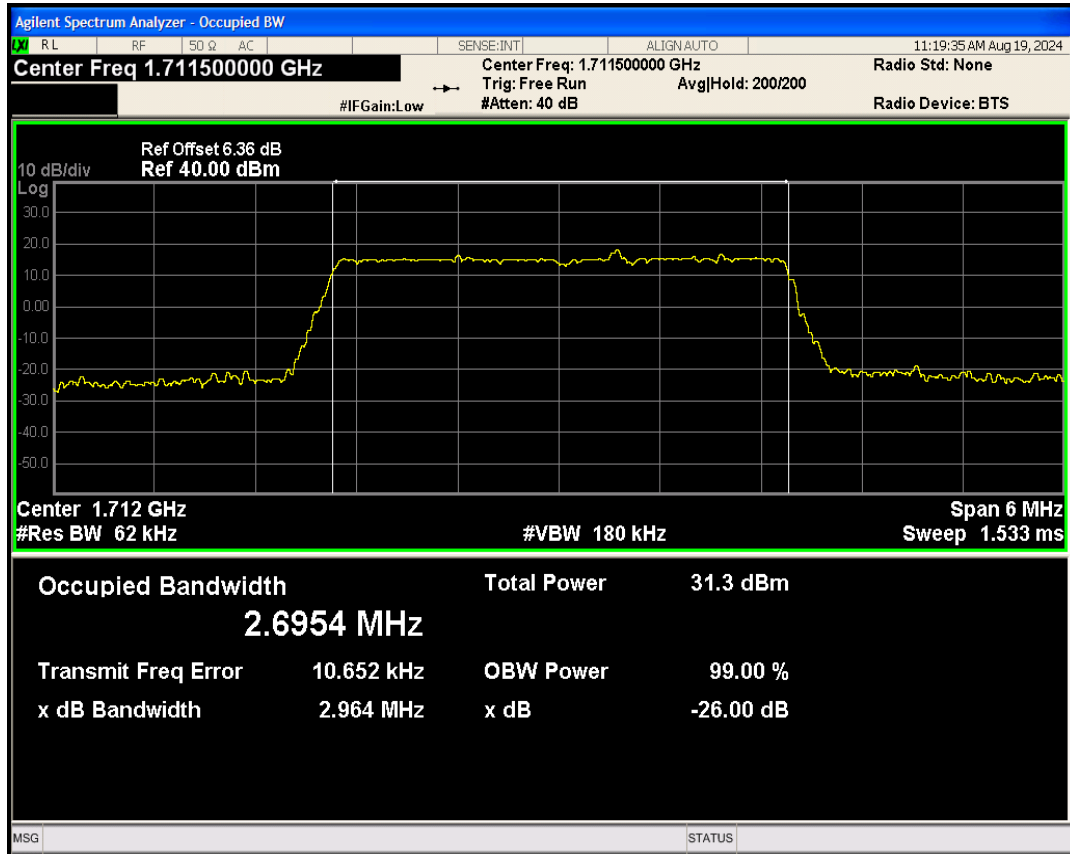
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



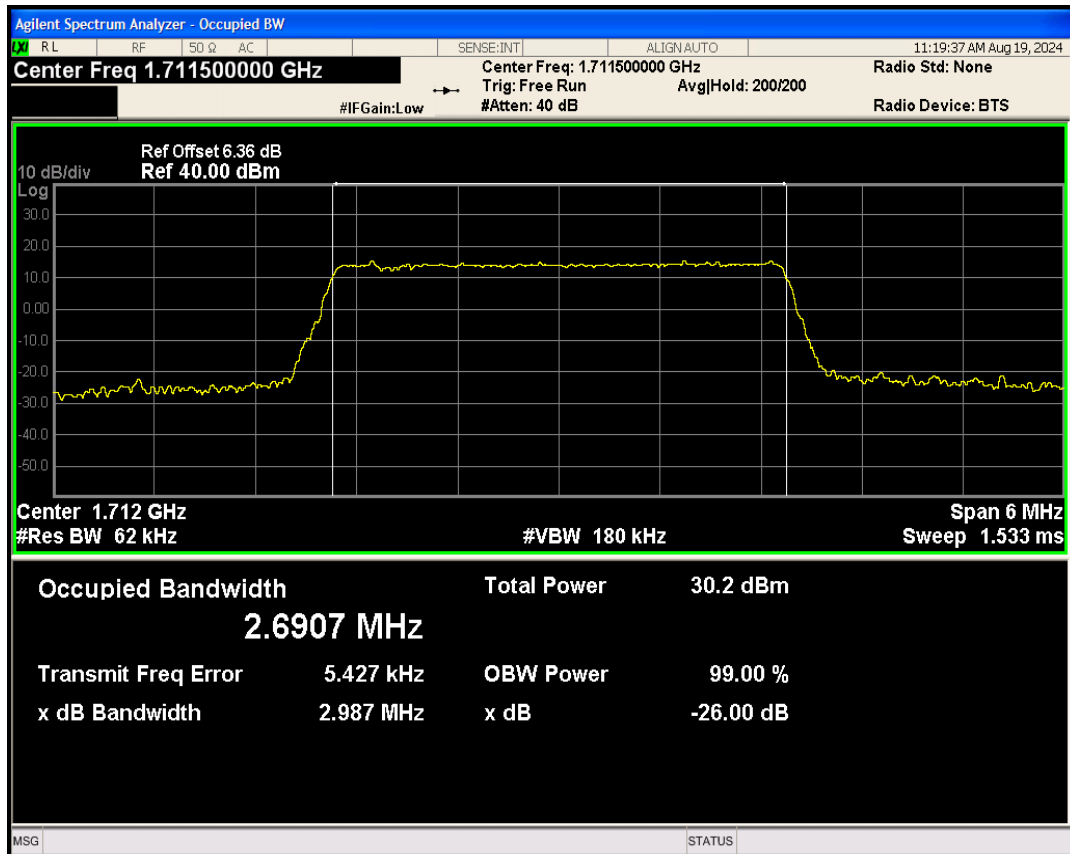
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



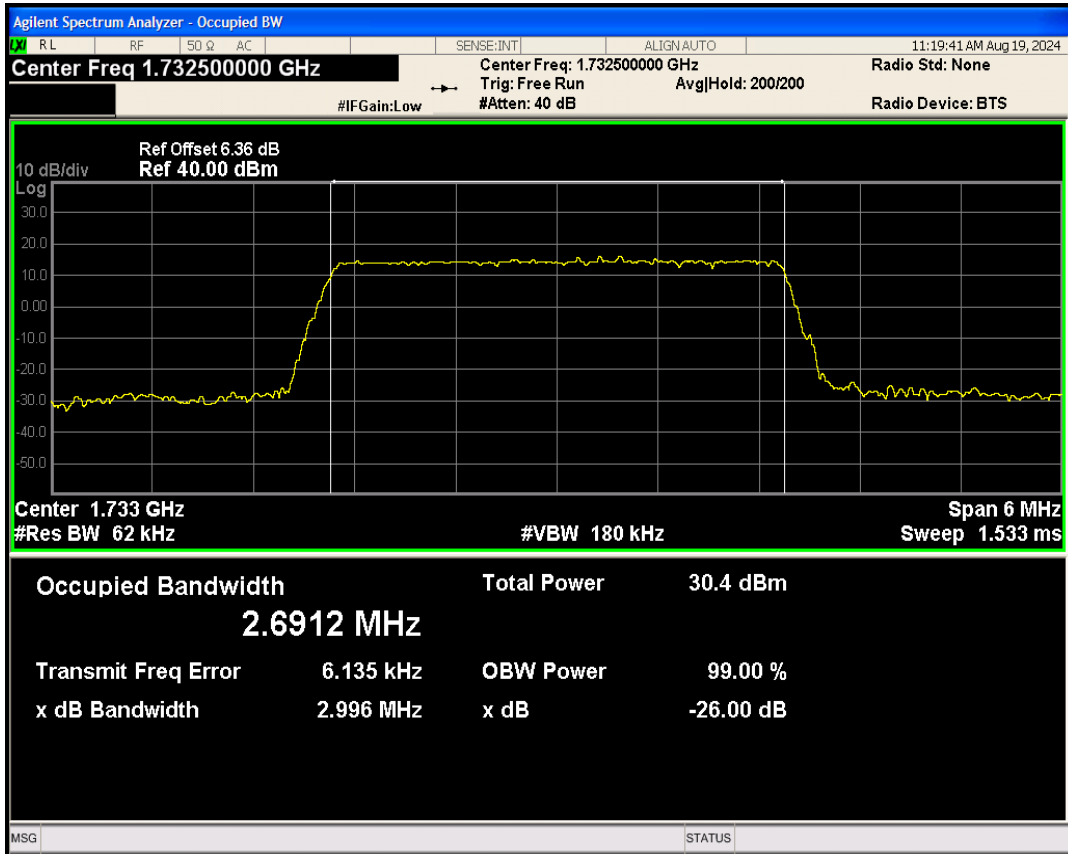
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



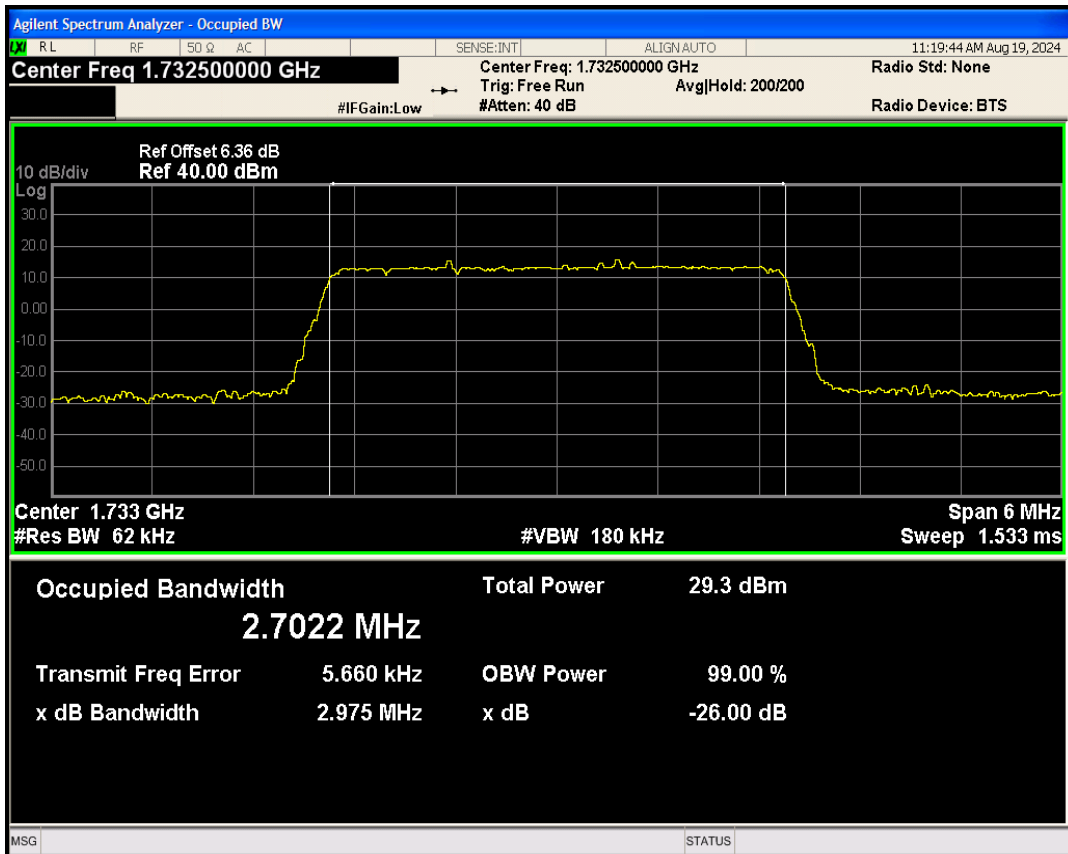
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



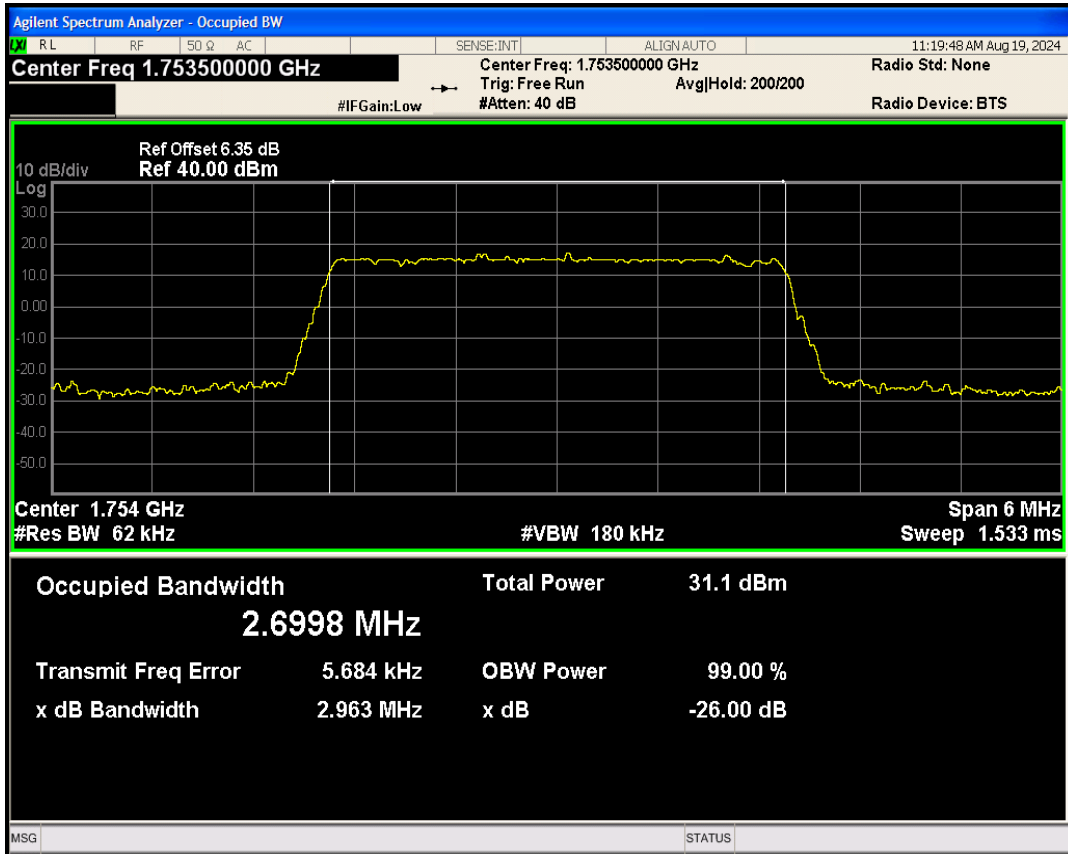
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



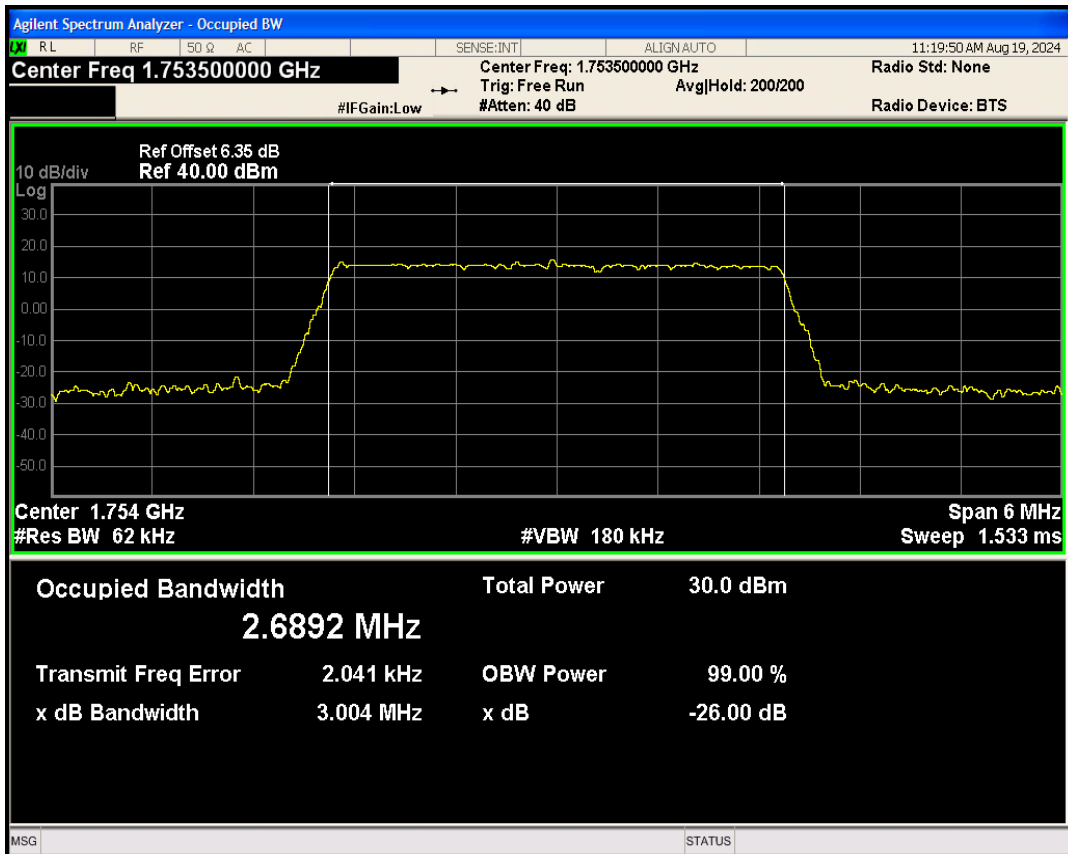
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



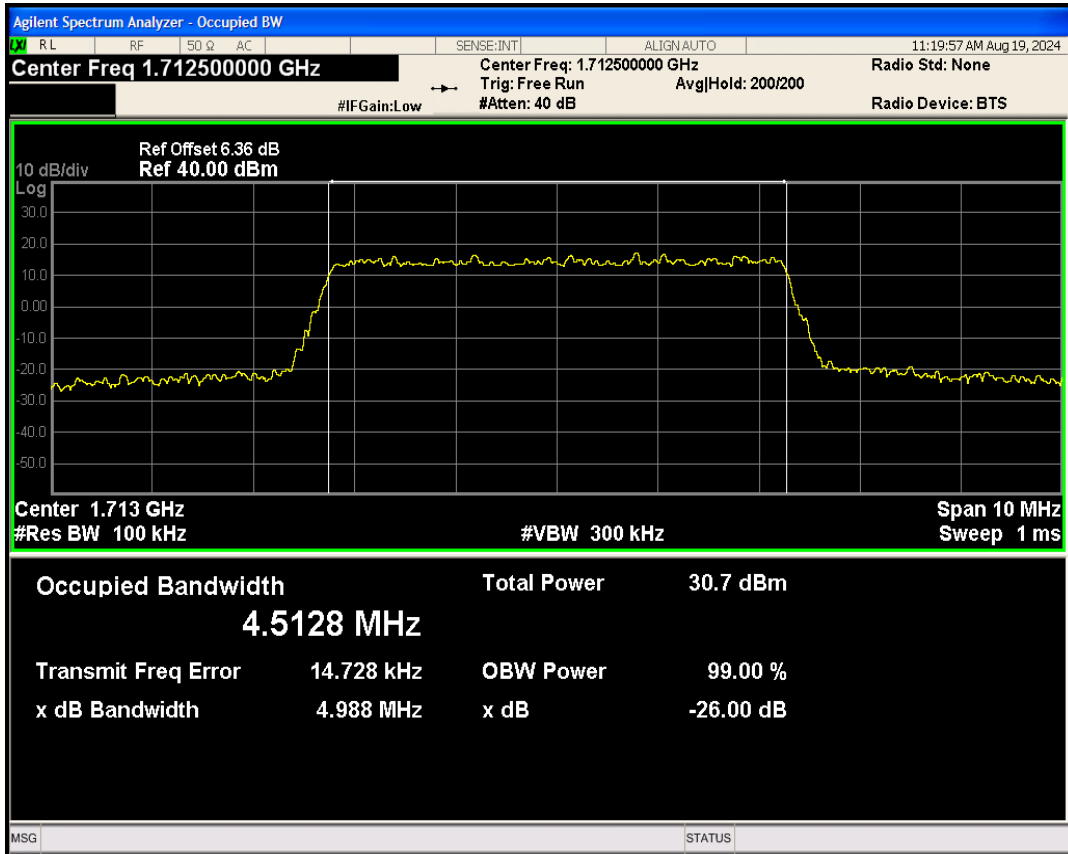
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



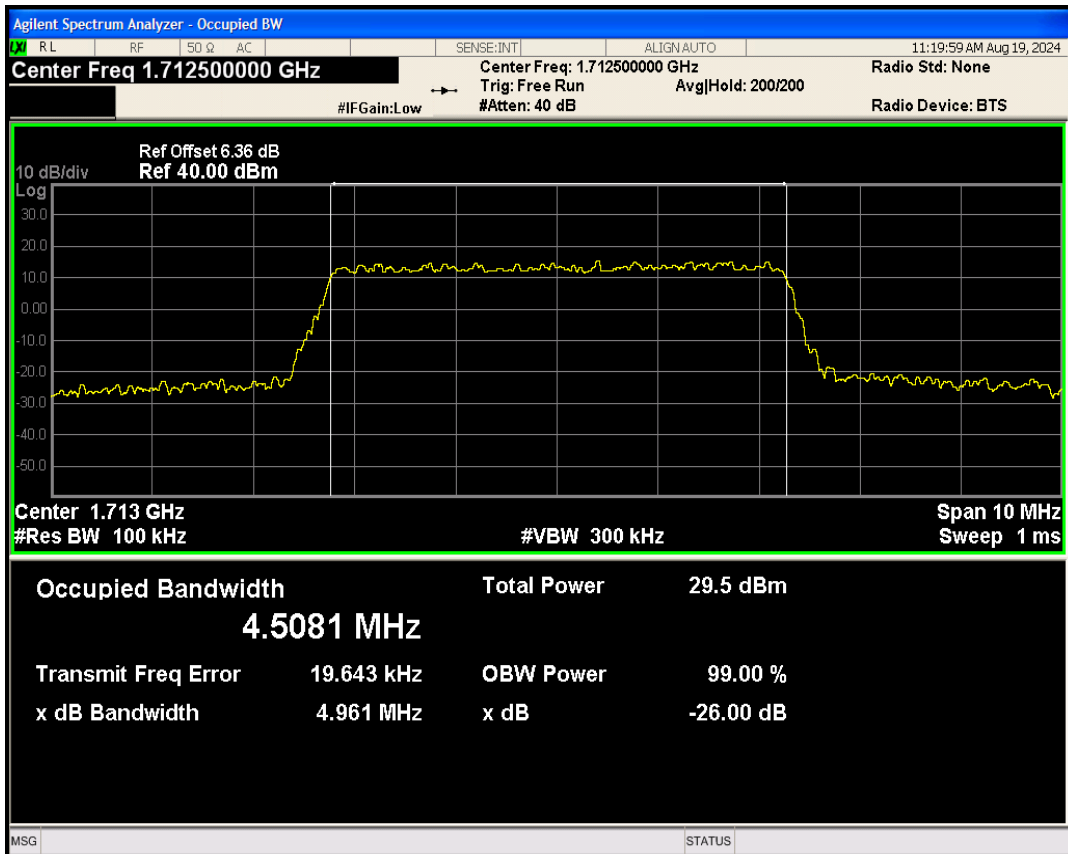
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



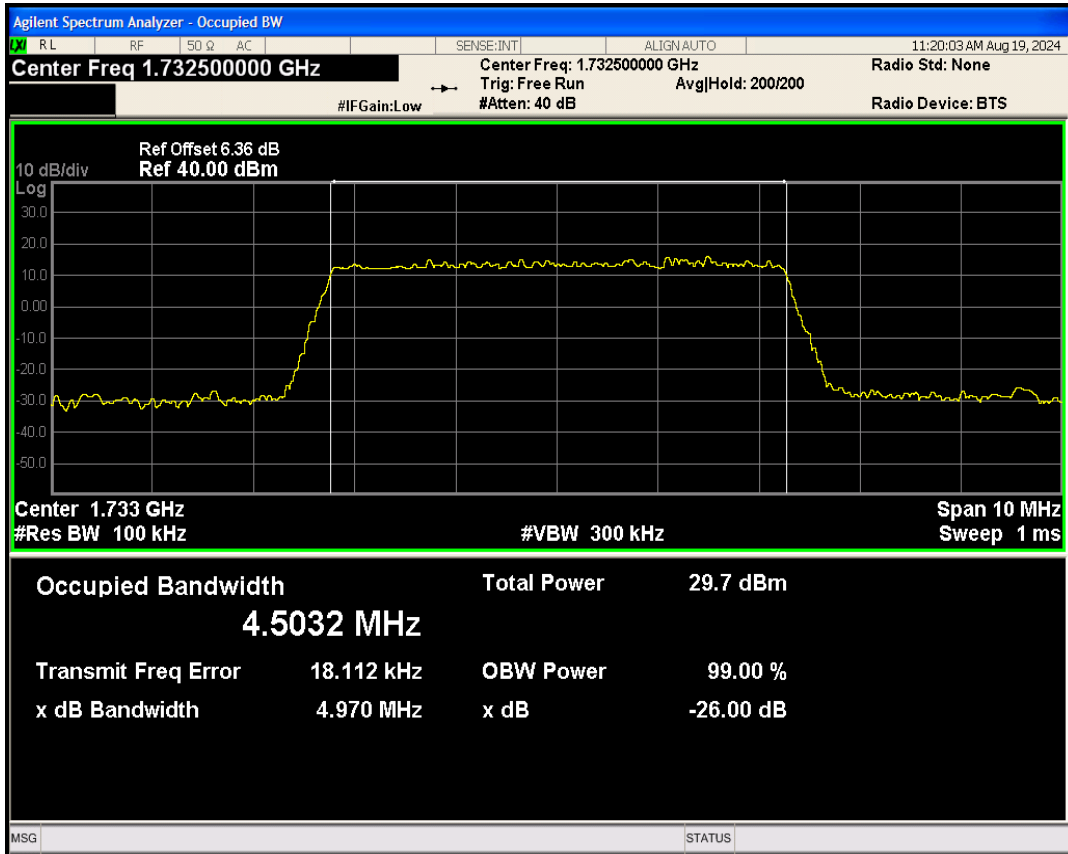
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



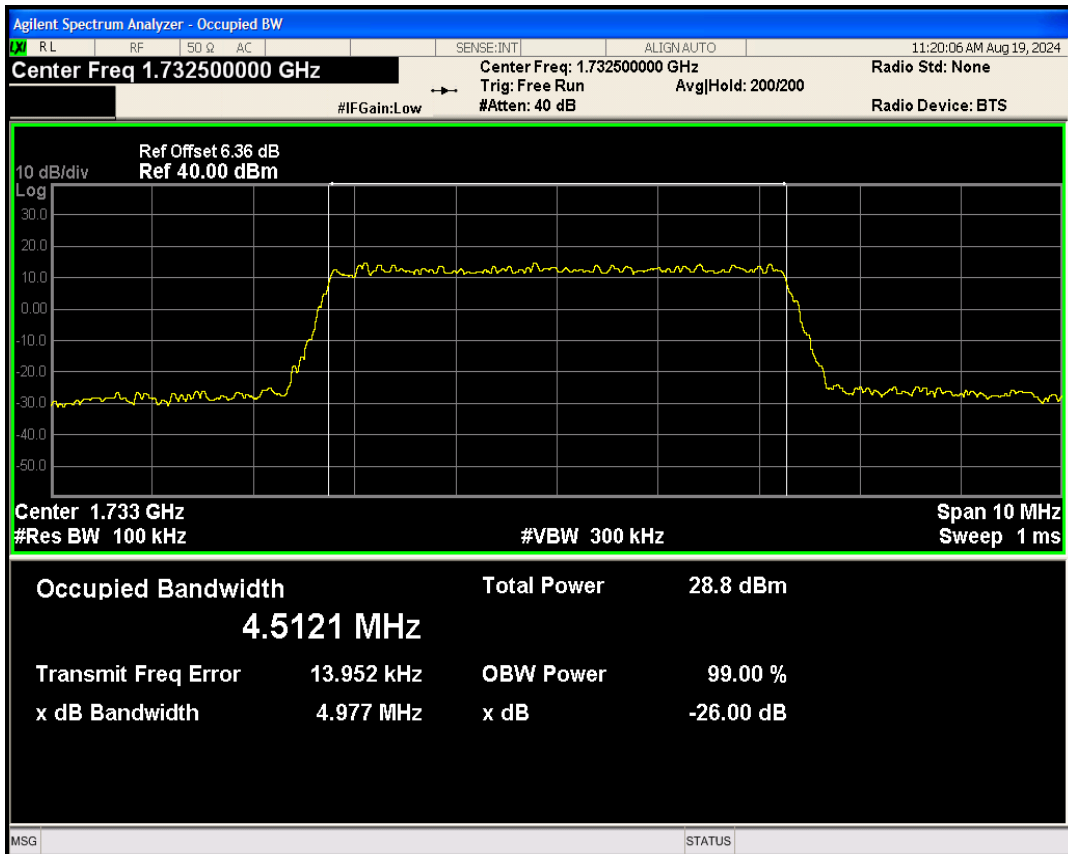
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



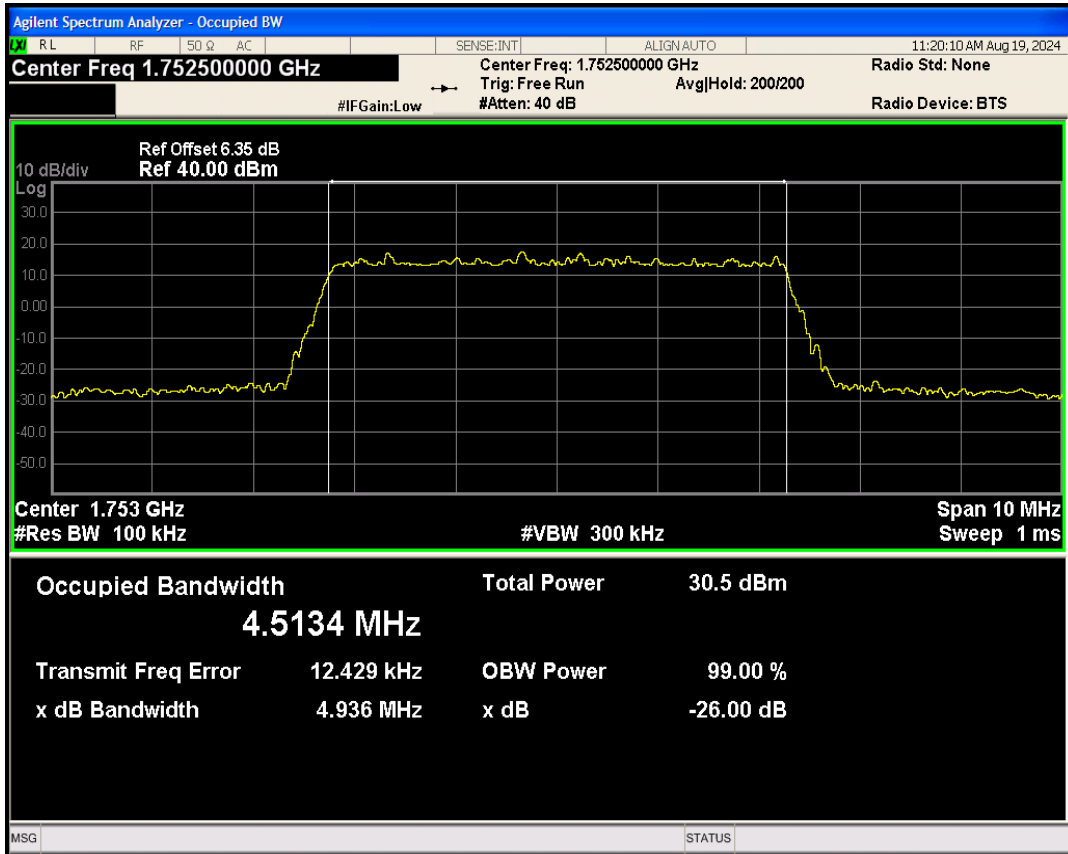
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



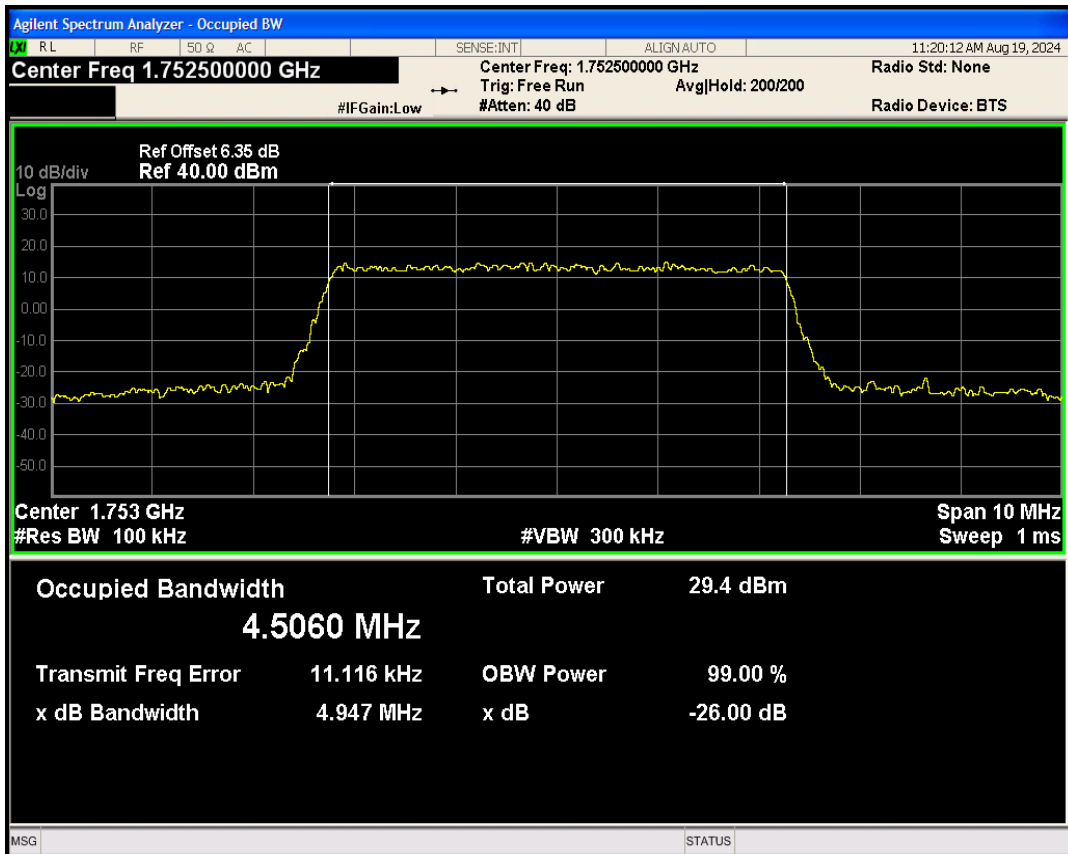
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



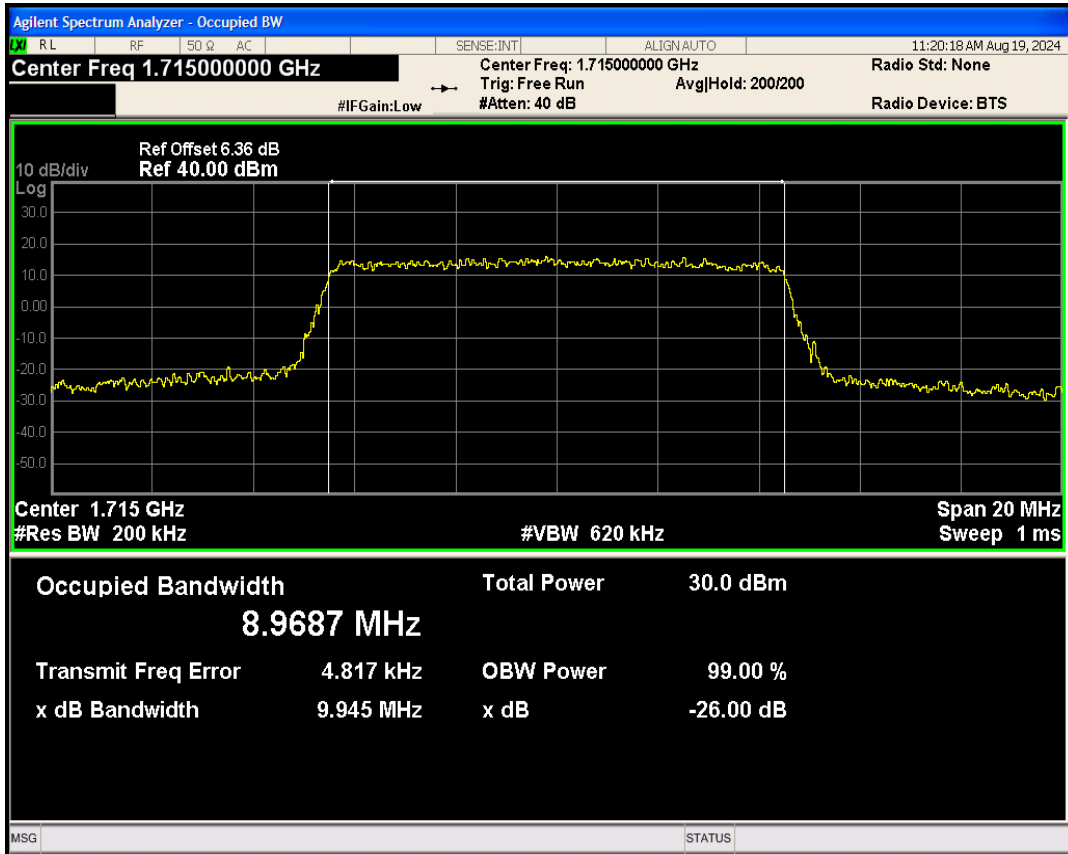
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



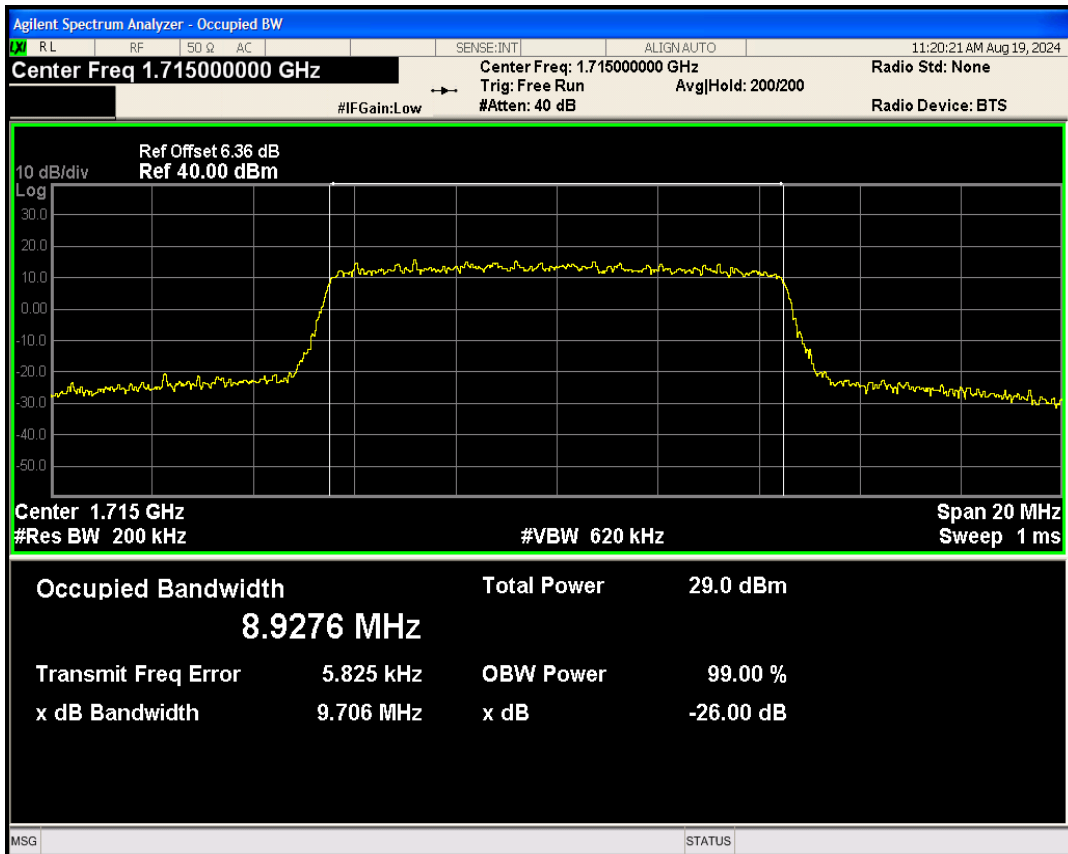
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



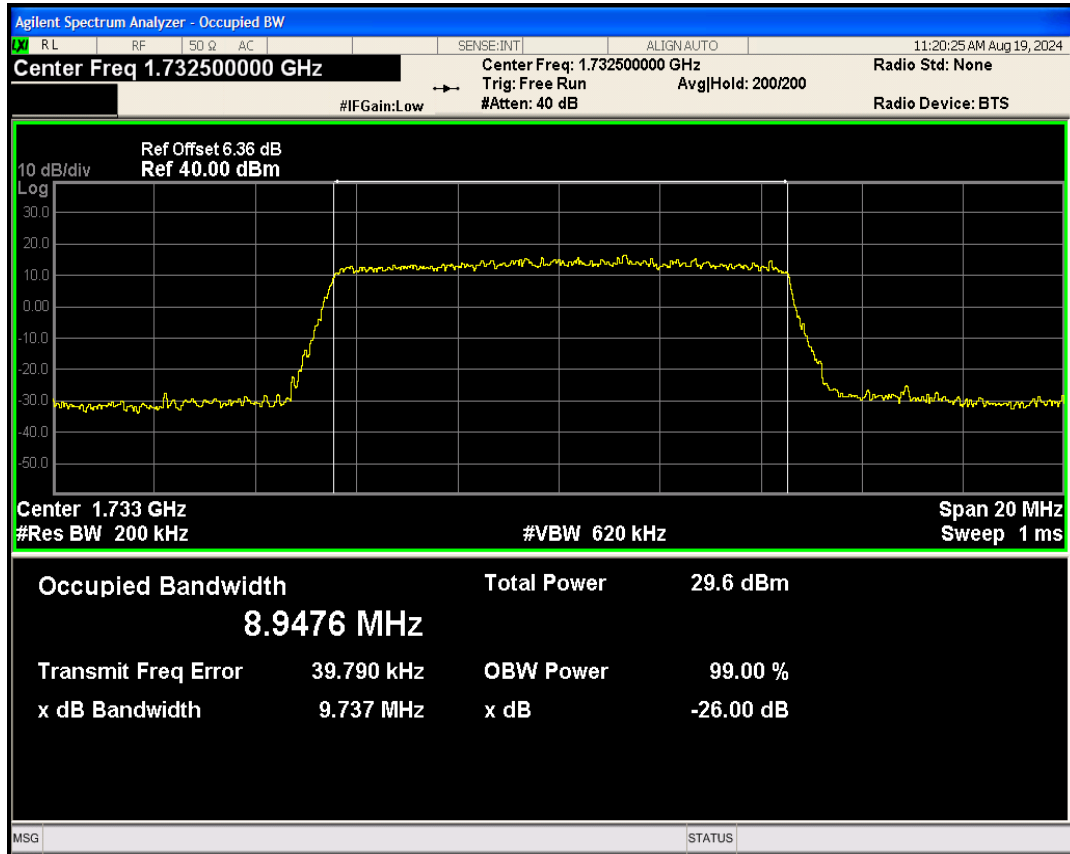
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



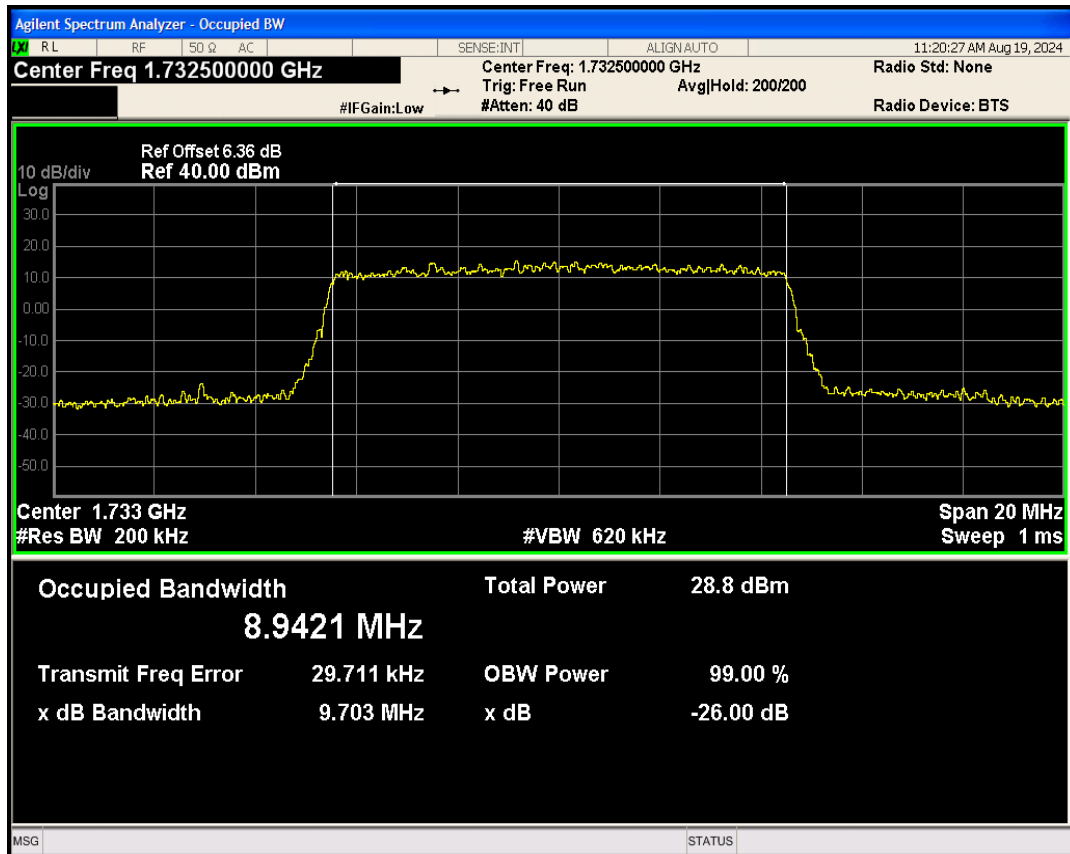
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



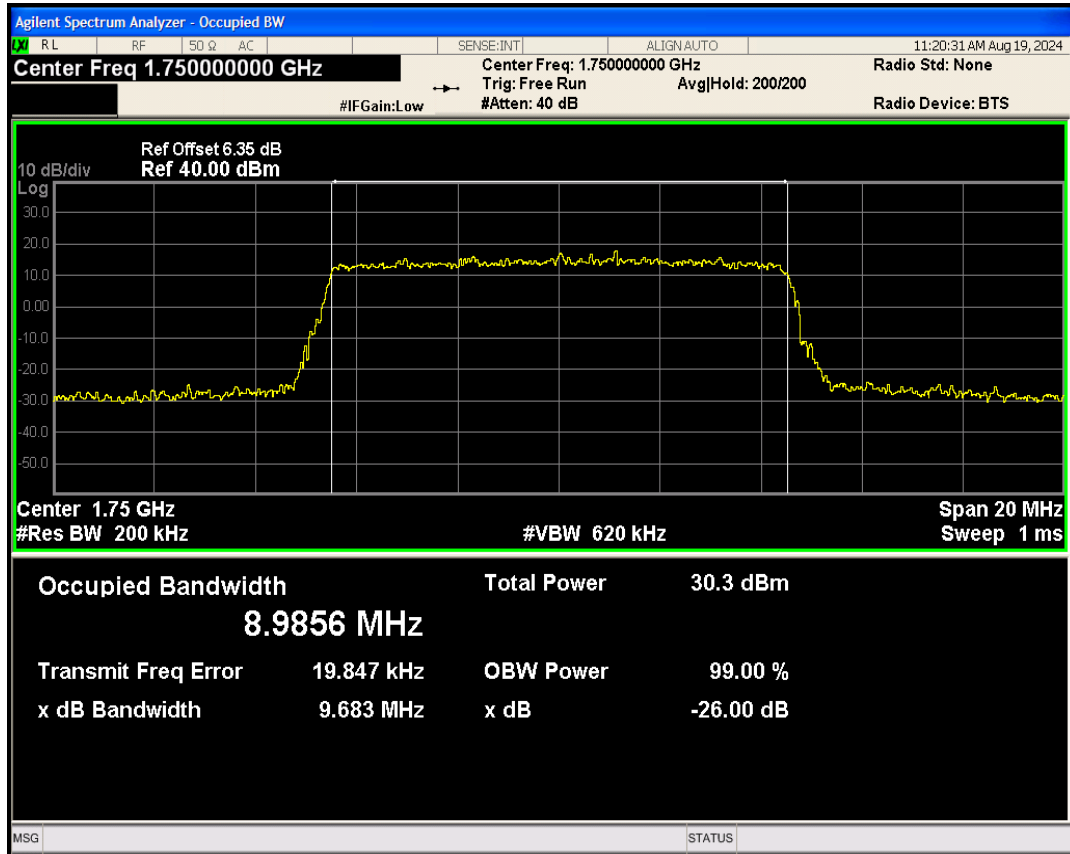
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



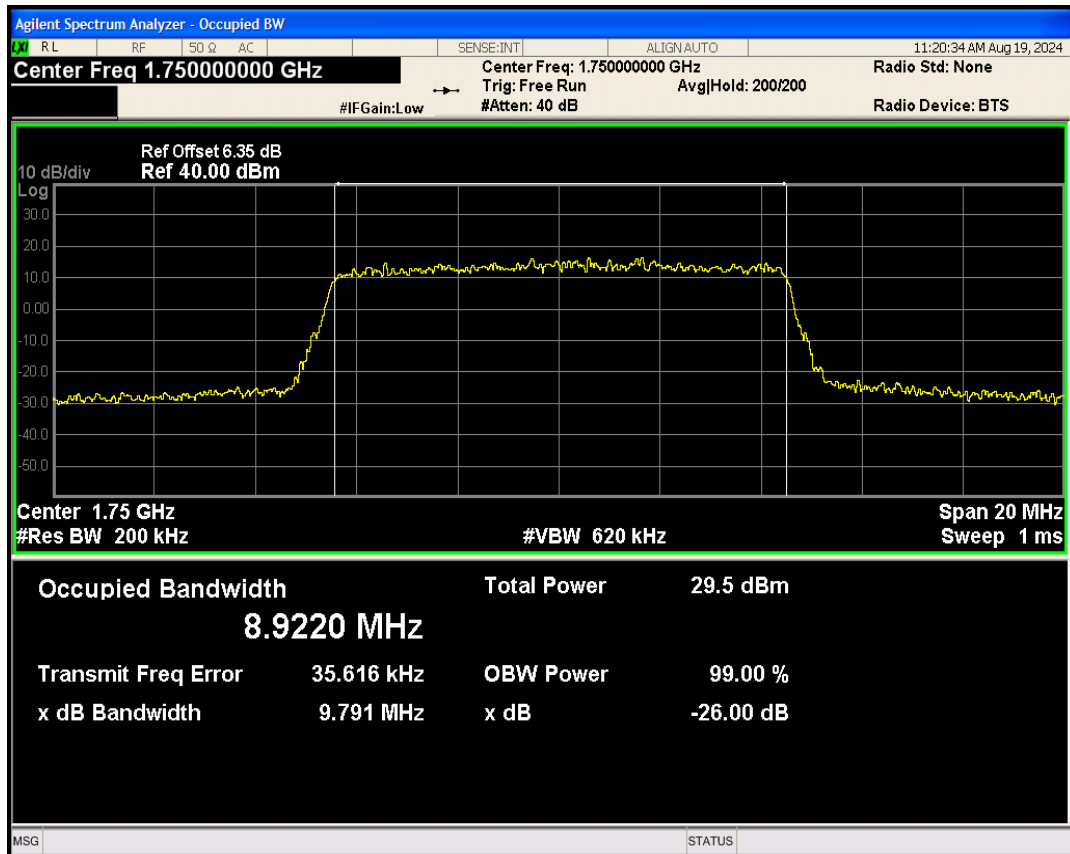
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



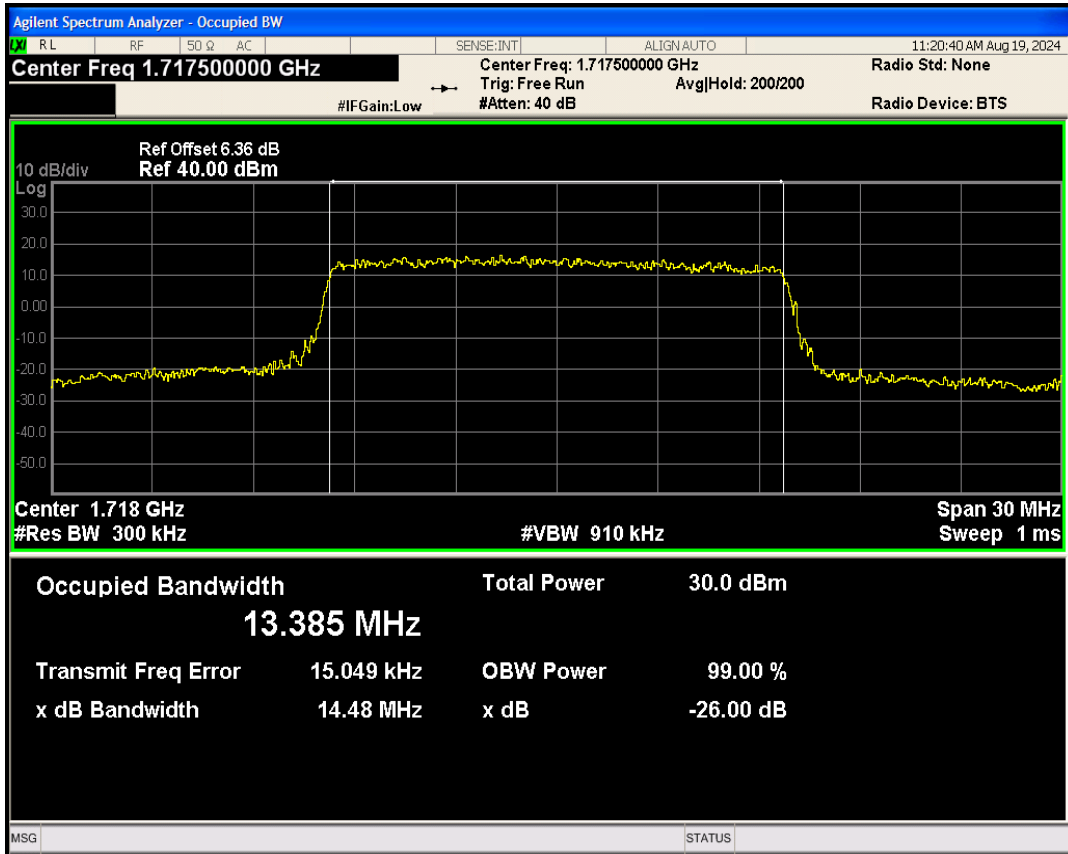
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



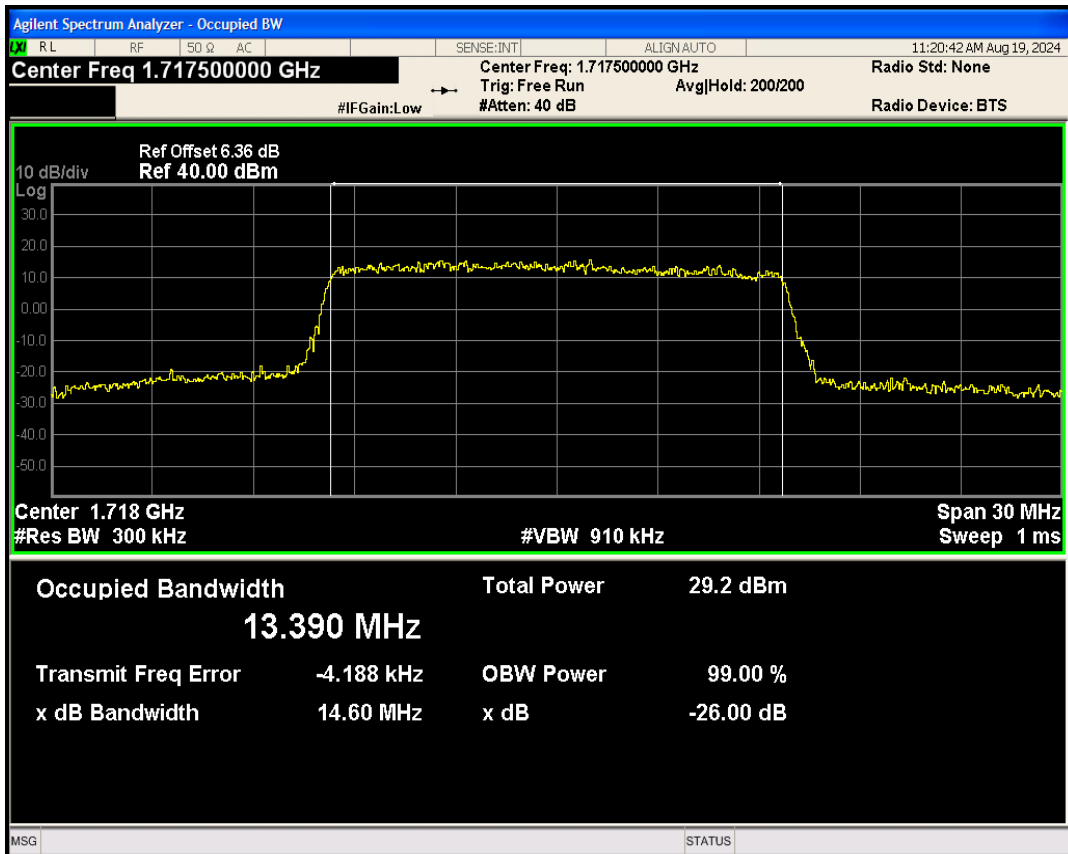
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



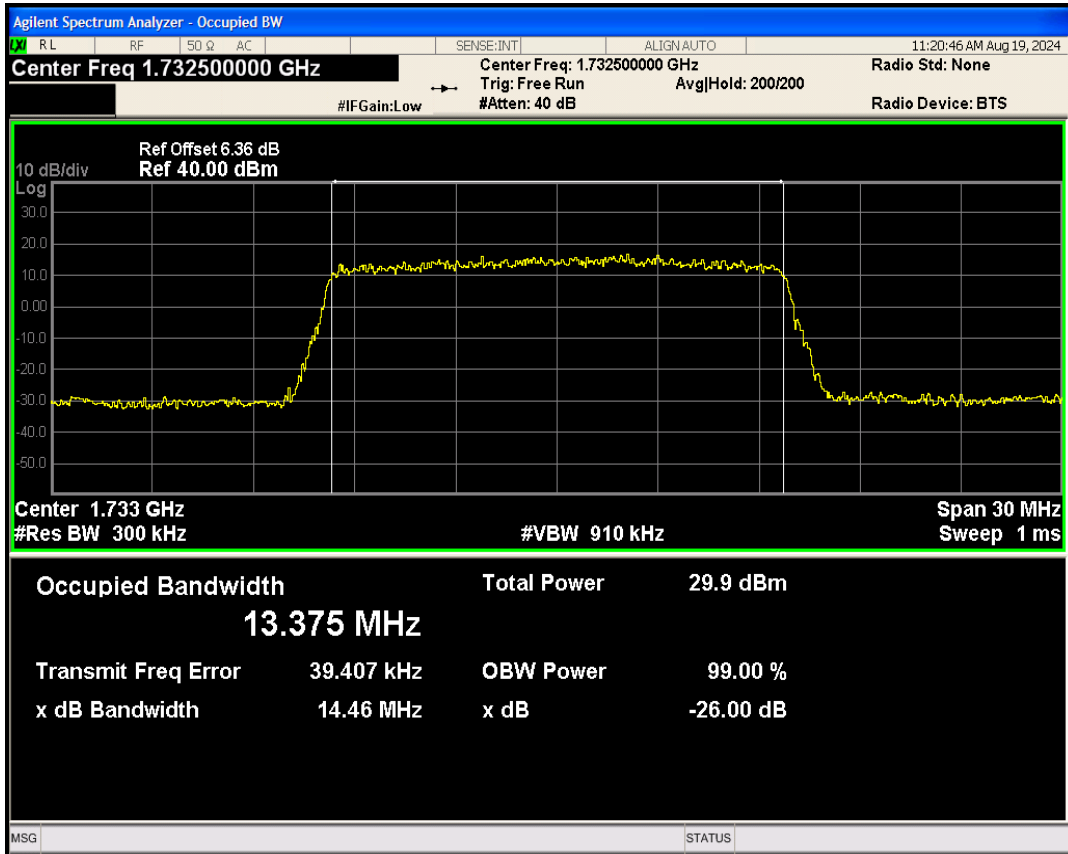
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



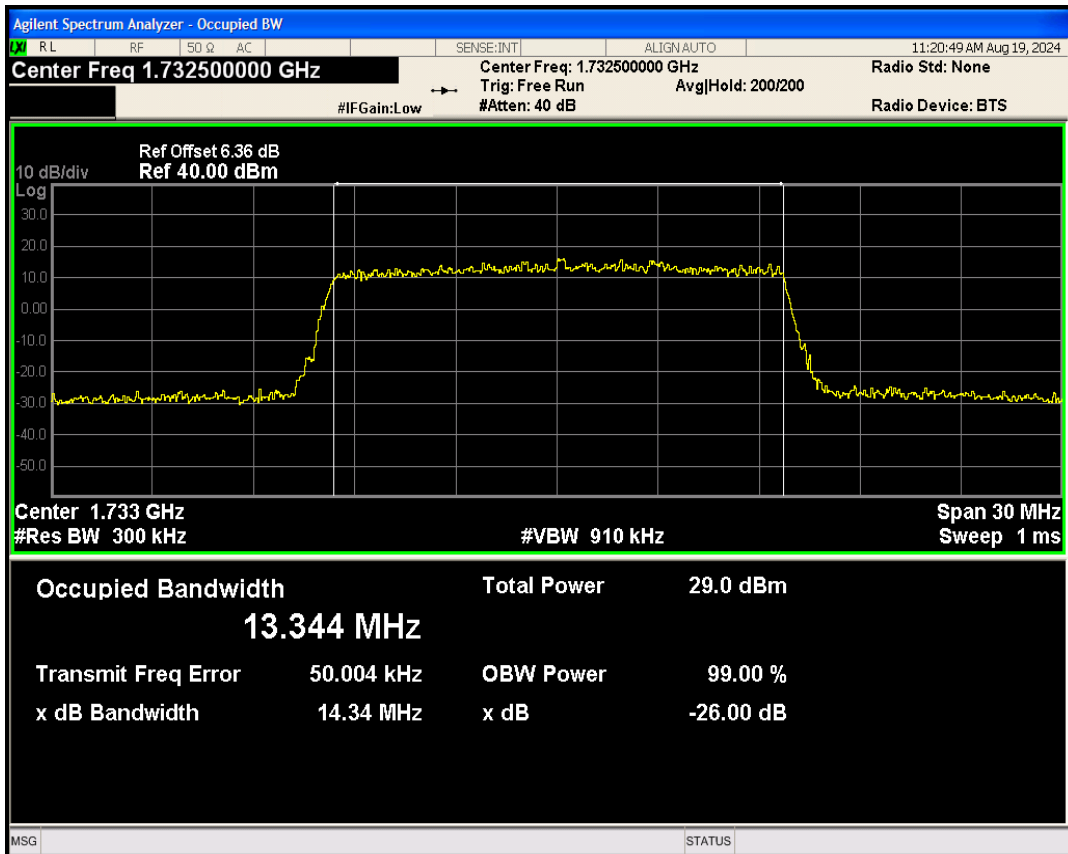
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



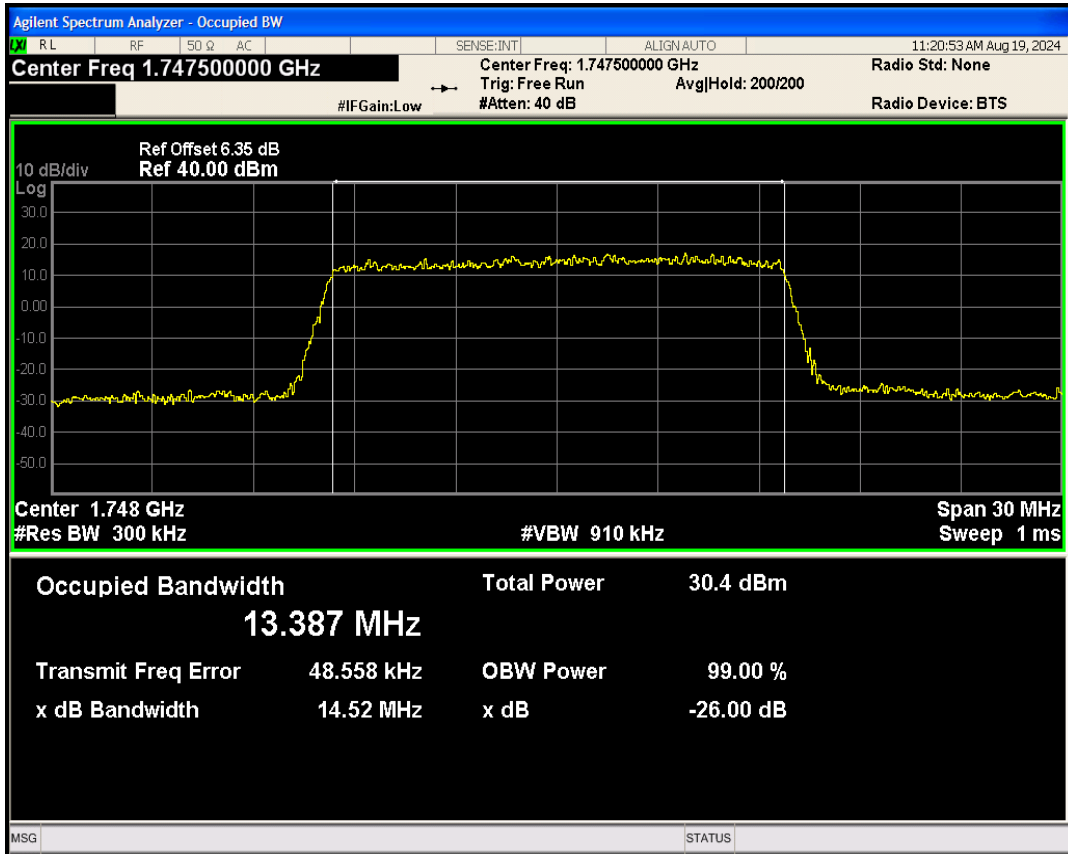
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



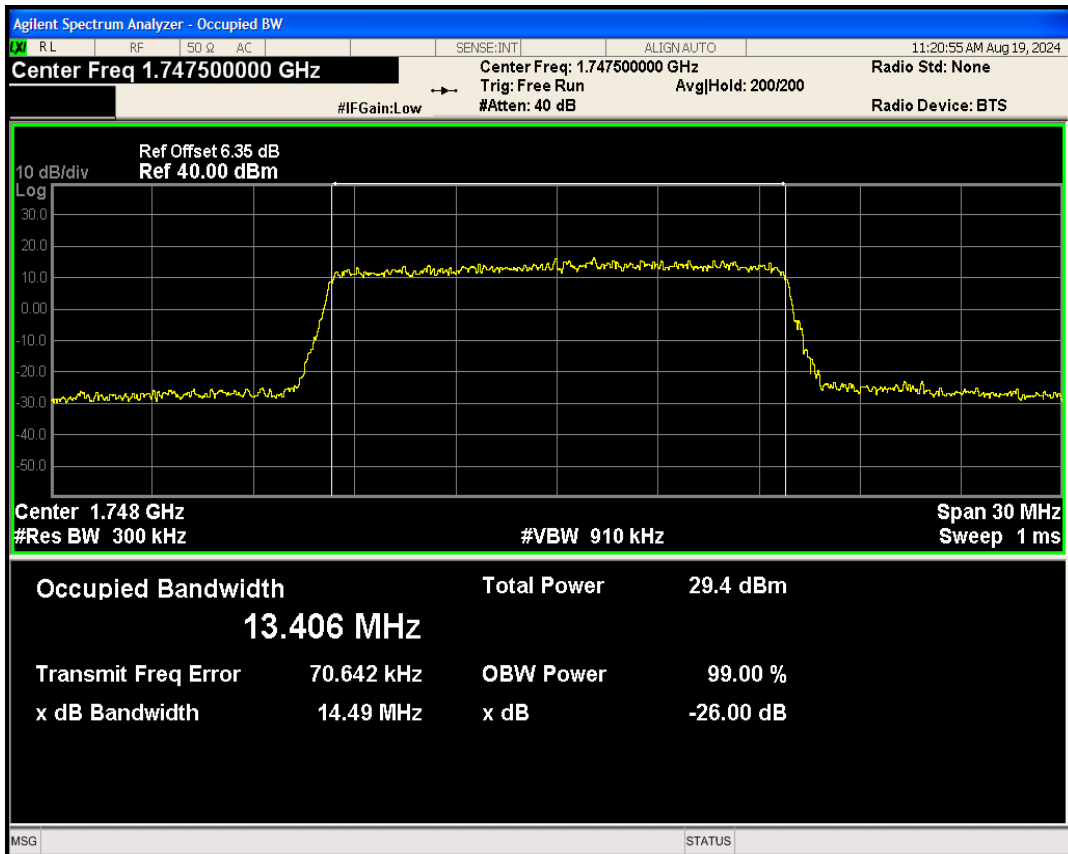
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



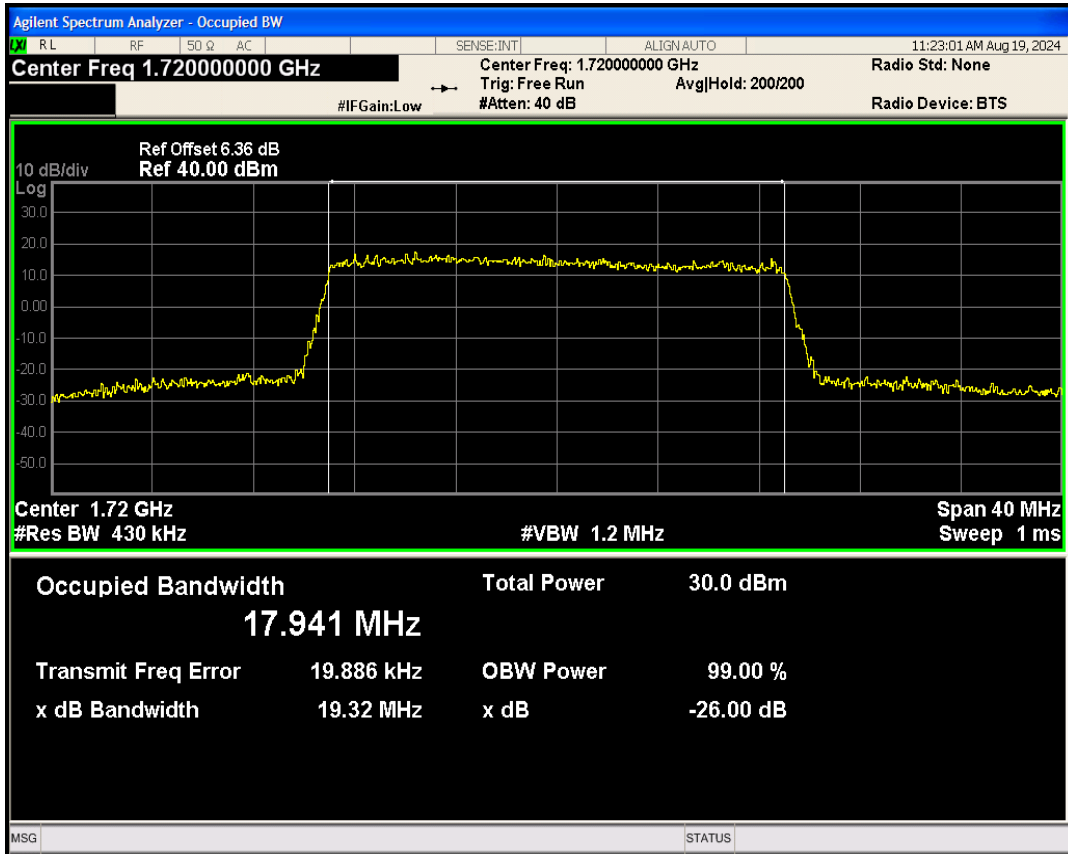
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



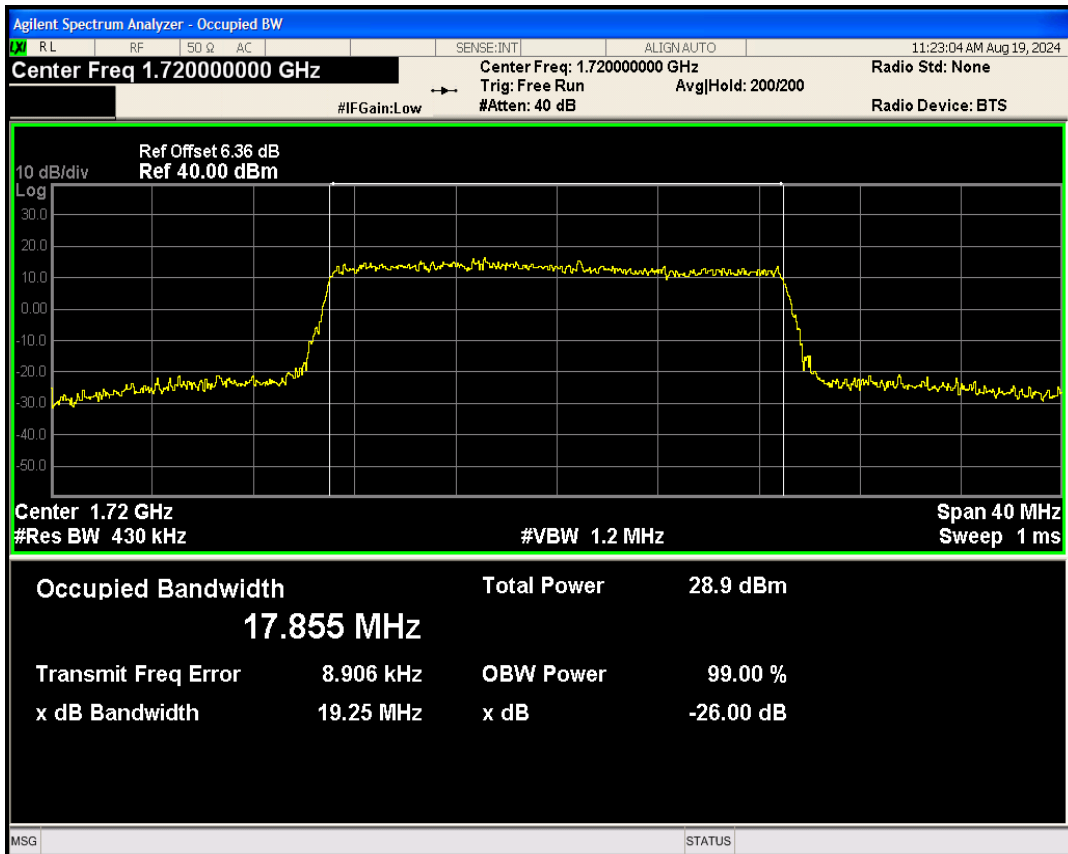
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



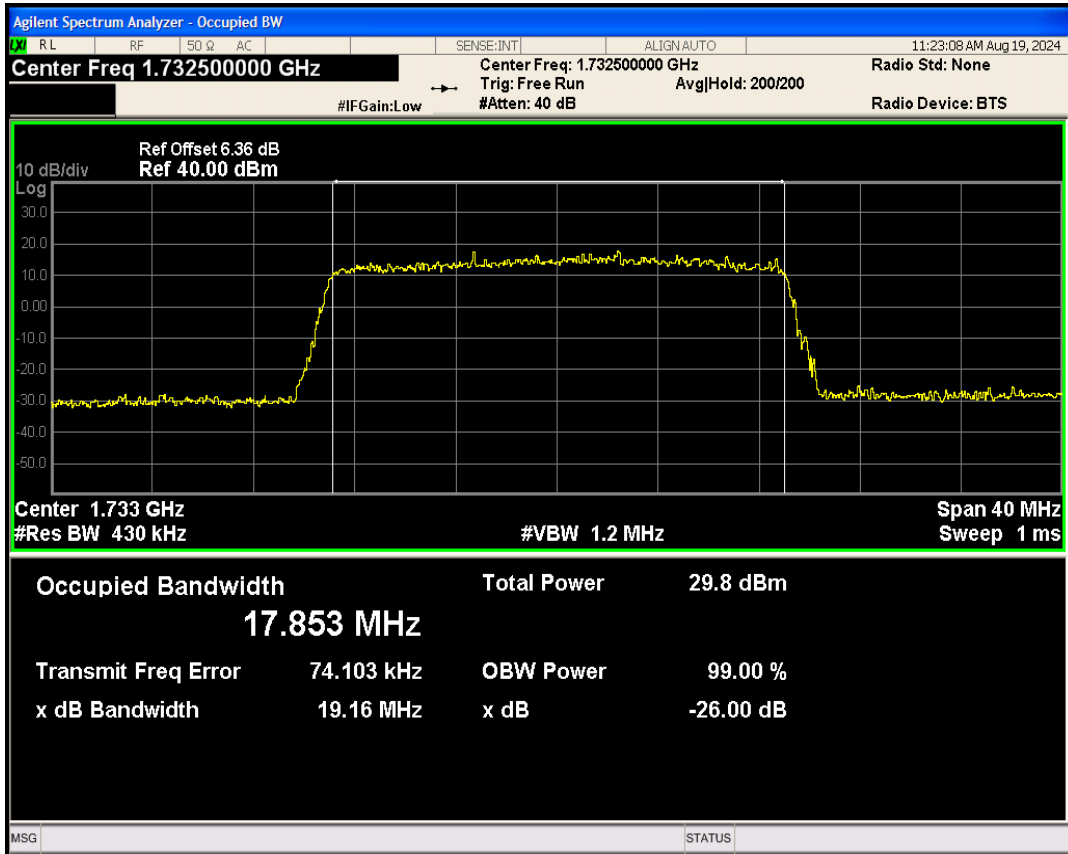
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



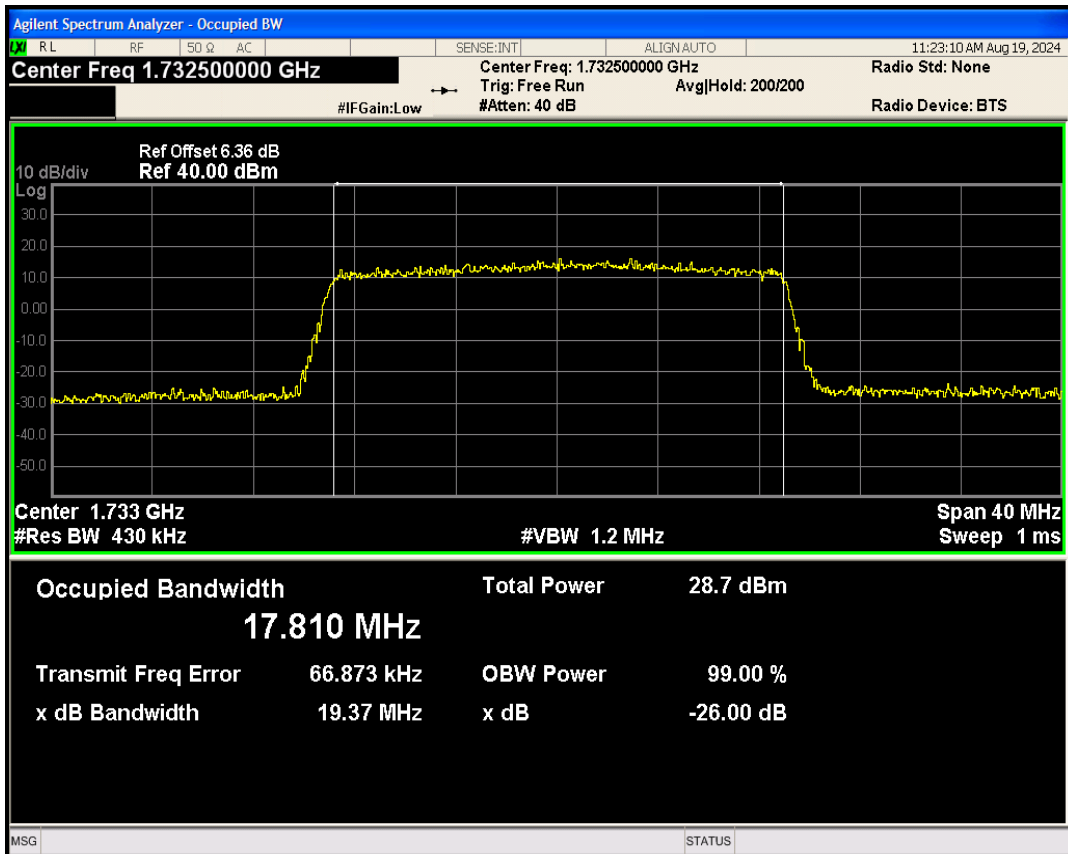
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



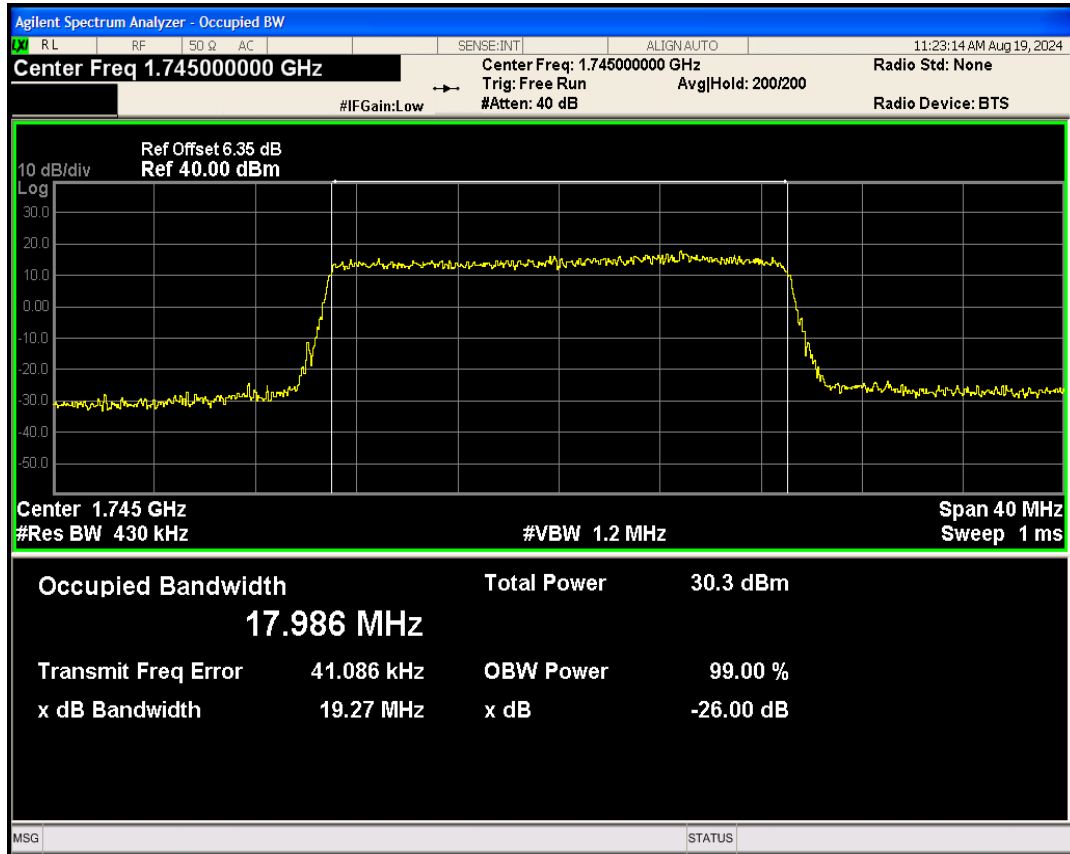
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



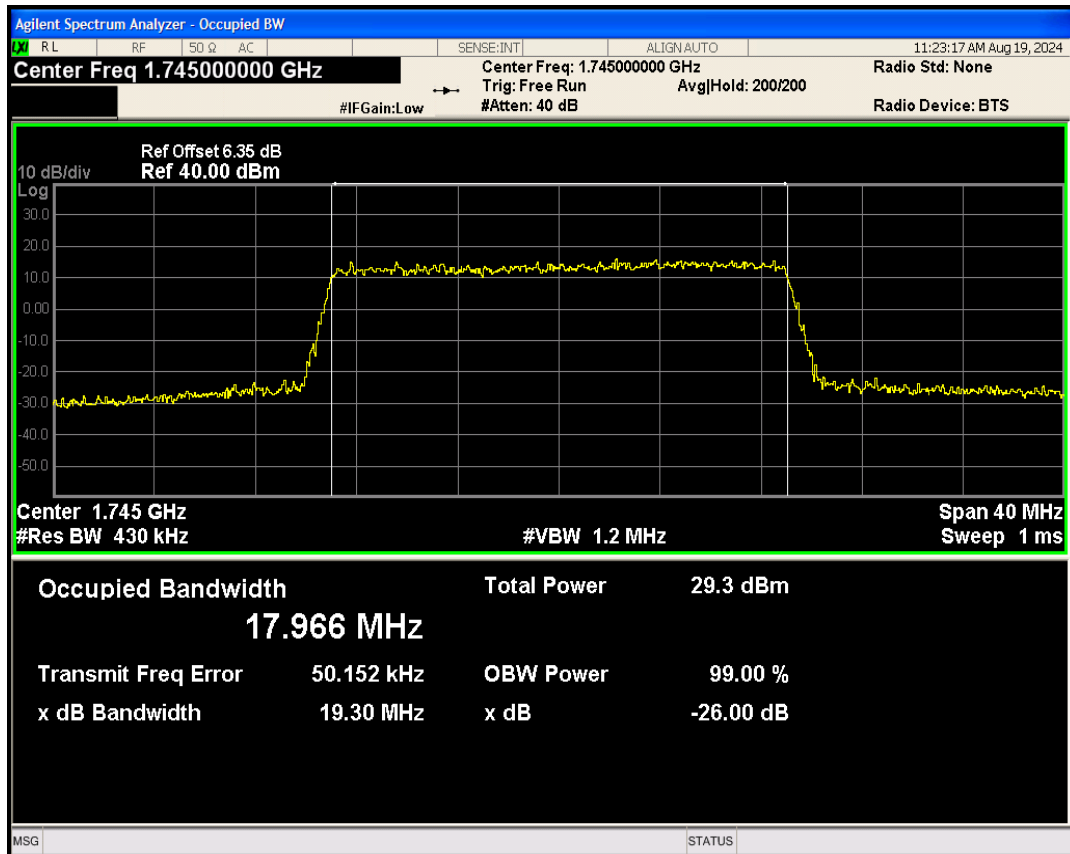
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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



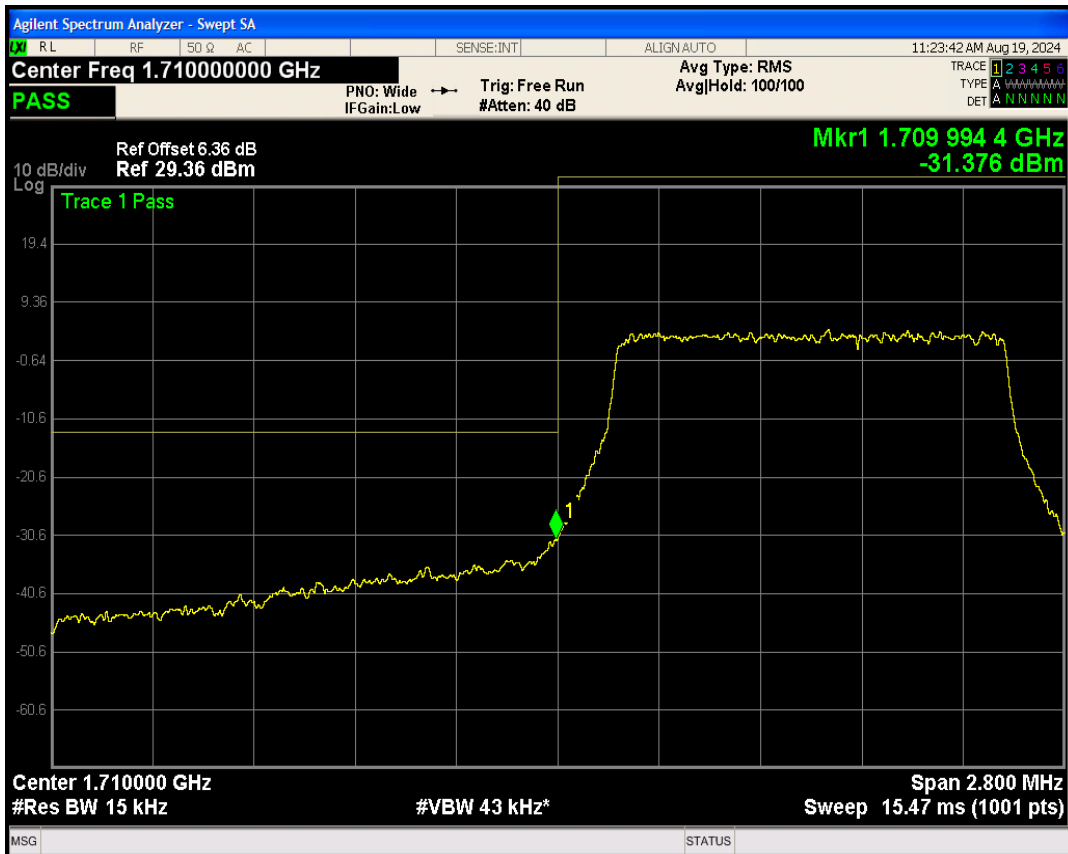
Appendix 5. Band edge

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	-29.99	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-31.37	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-30.32	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-30.79	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-26.89	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-30.51	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-28.52	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-29.00	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-26.58	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.98	-28.85	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-29.37	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.01	-30.32	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.98	-29.07	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.98	-31.03	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.04	-31.75	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-32.74	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-30.96	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.94	-32.61	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-32.41	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.09	-33.38	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-34.29	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.92	-33.90	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-35.02	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-34.04	-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



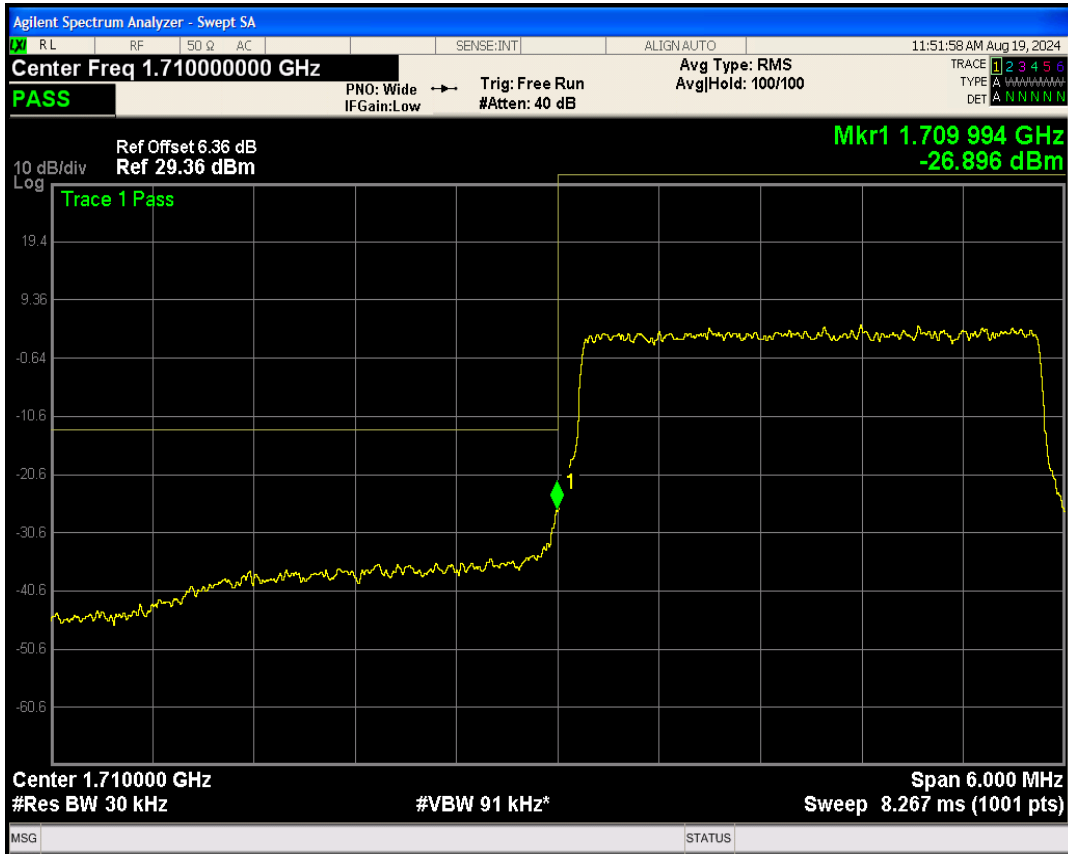
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



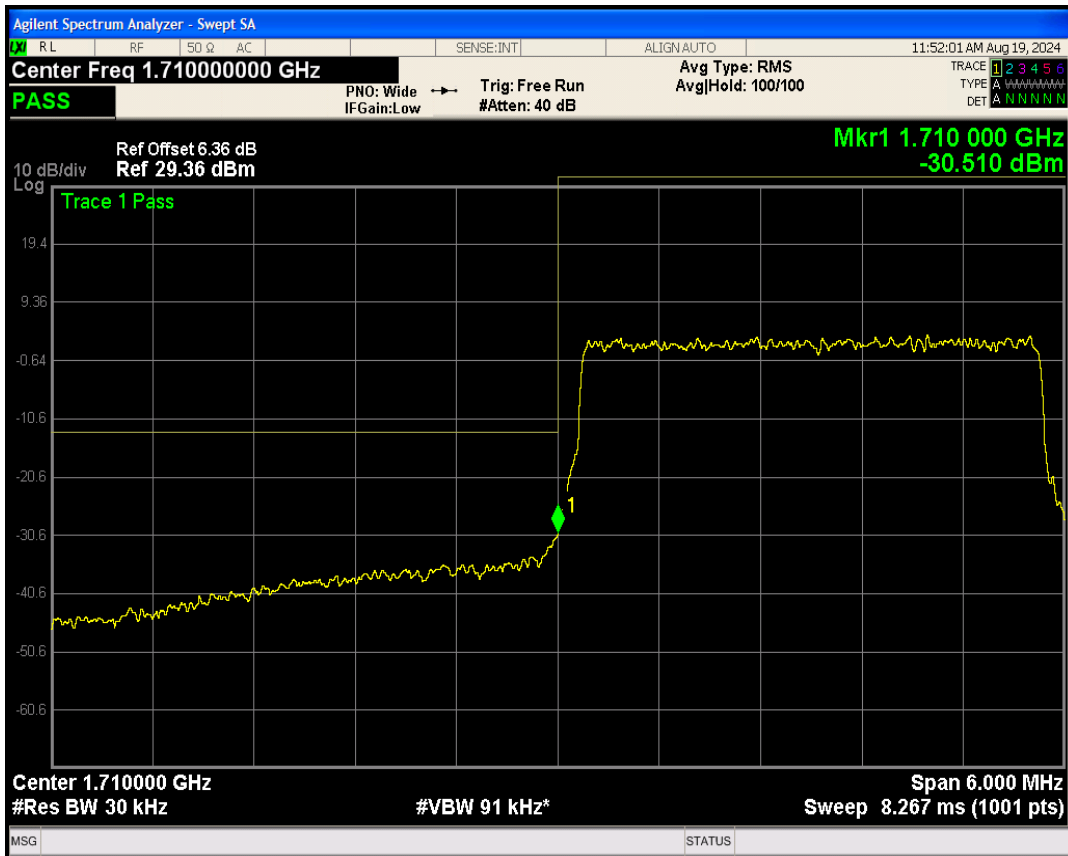
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



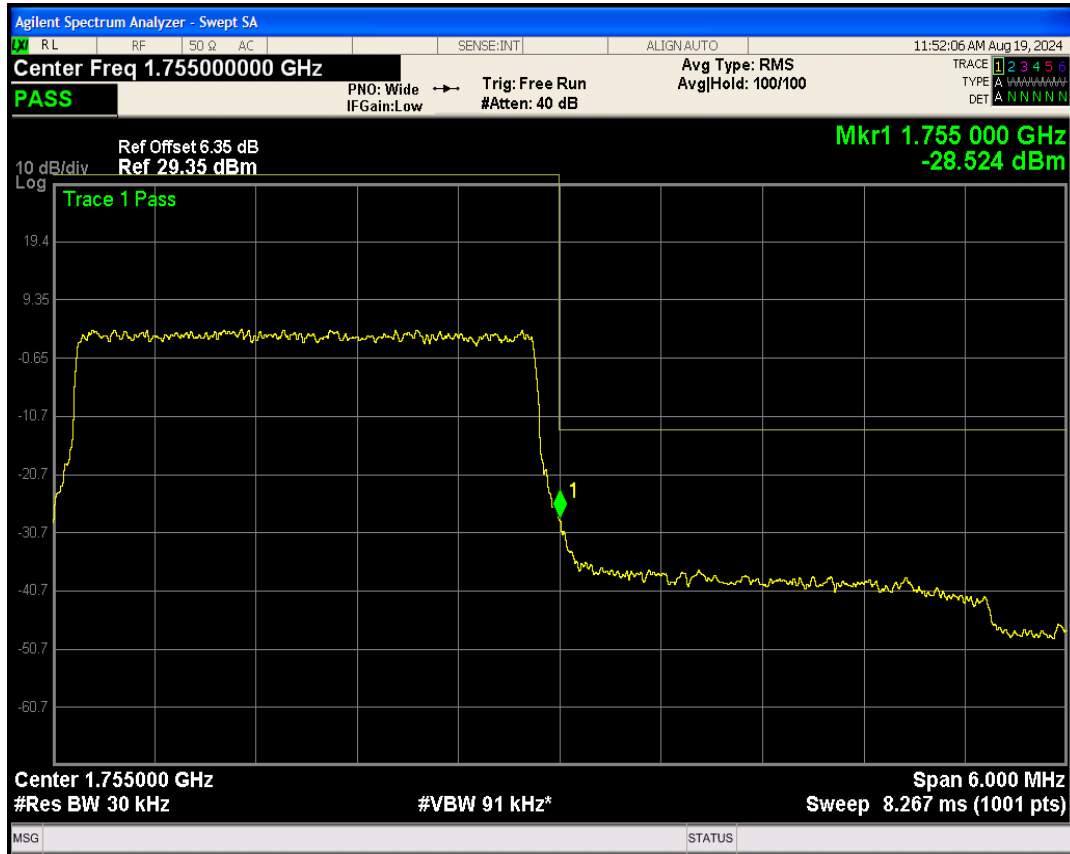
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



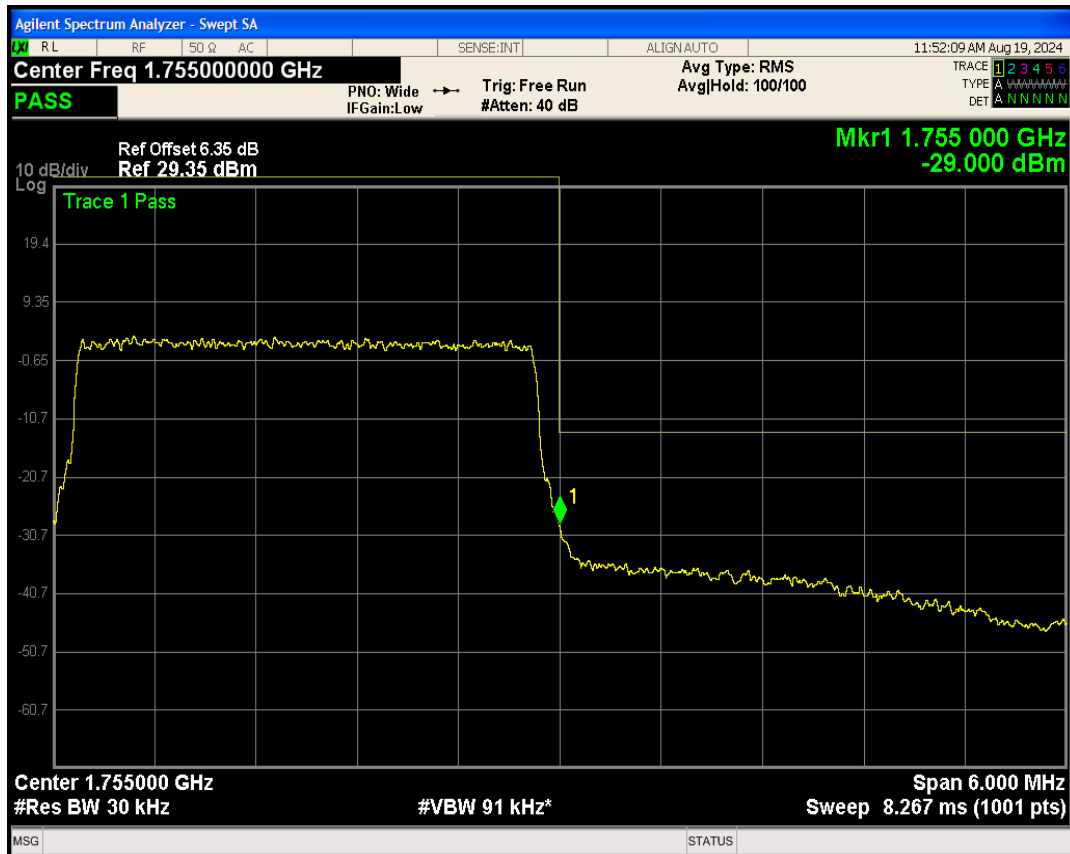
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



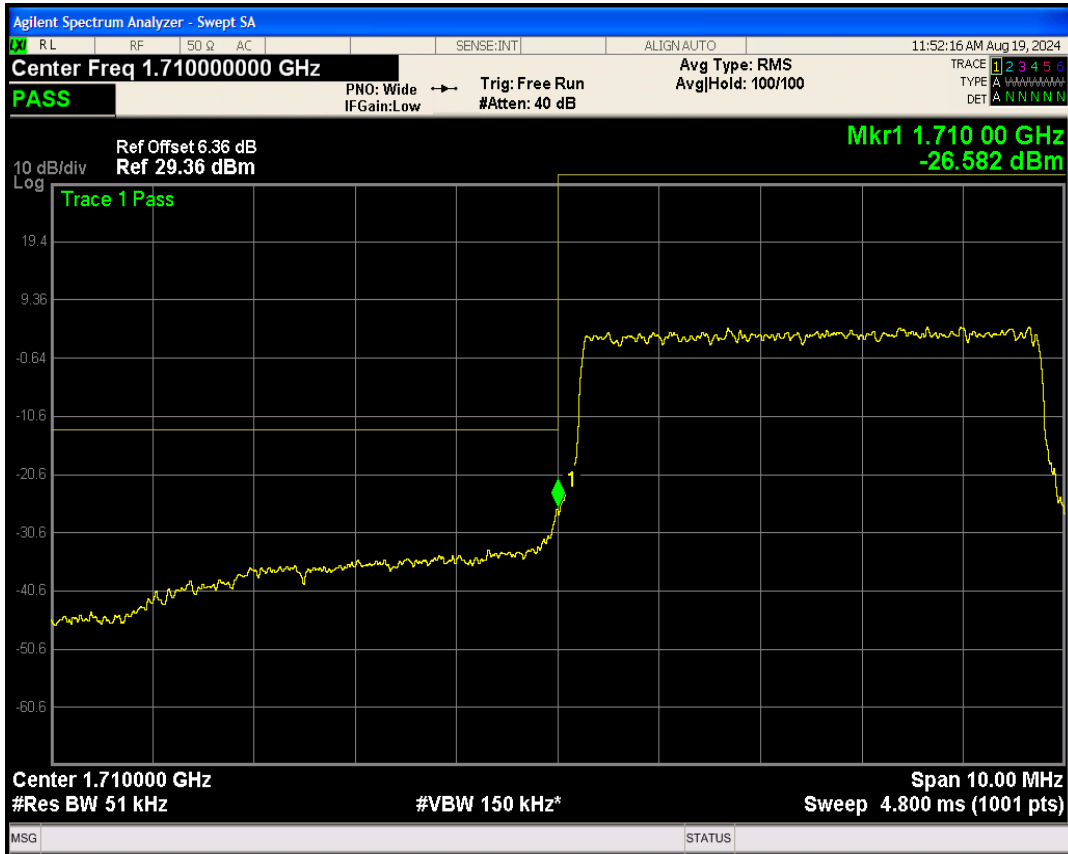
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



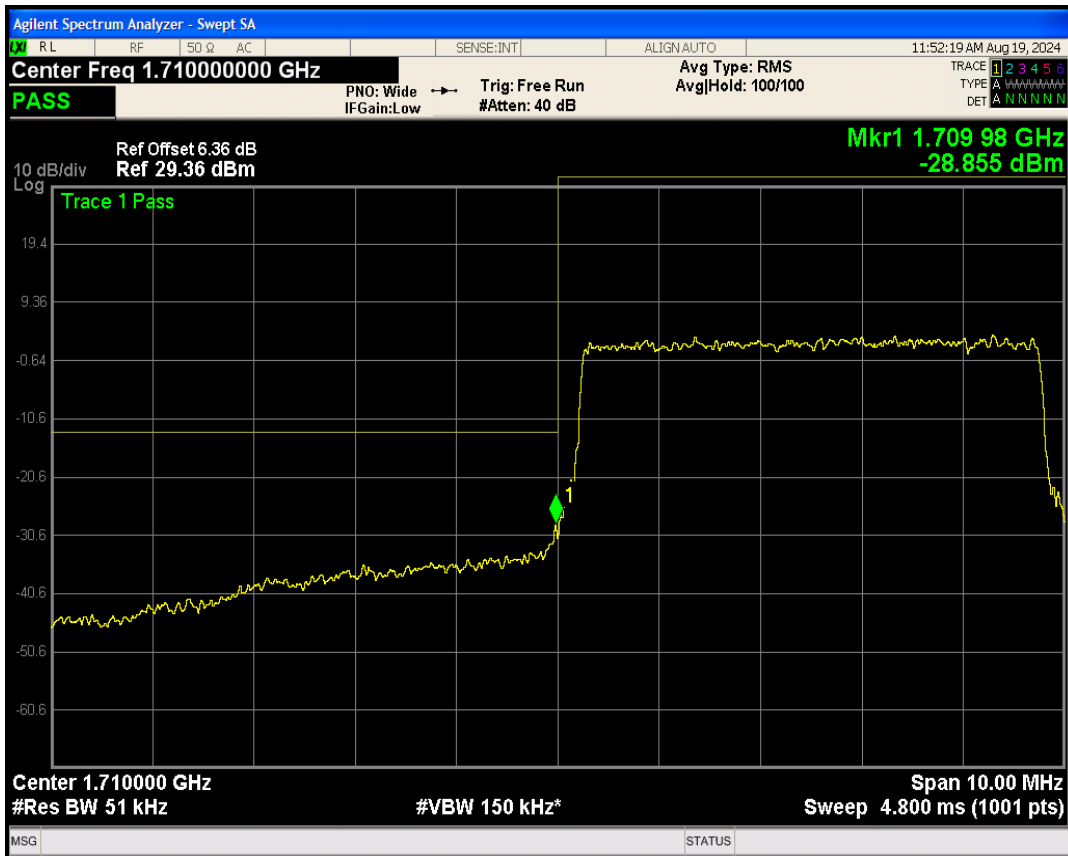
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



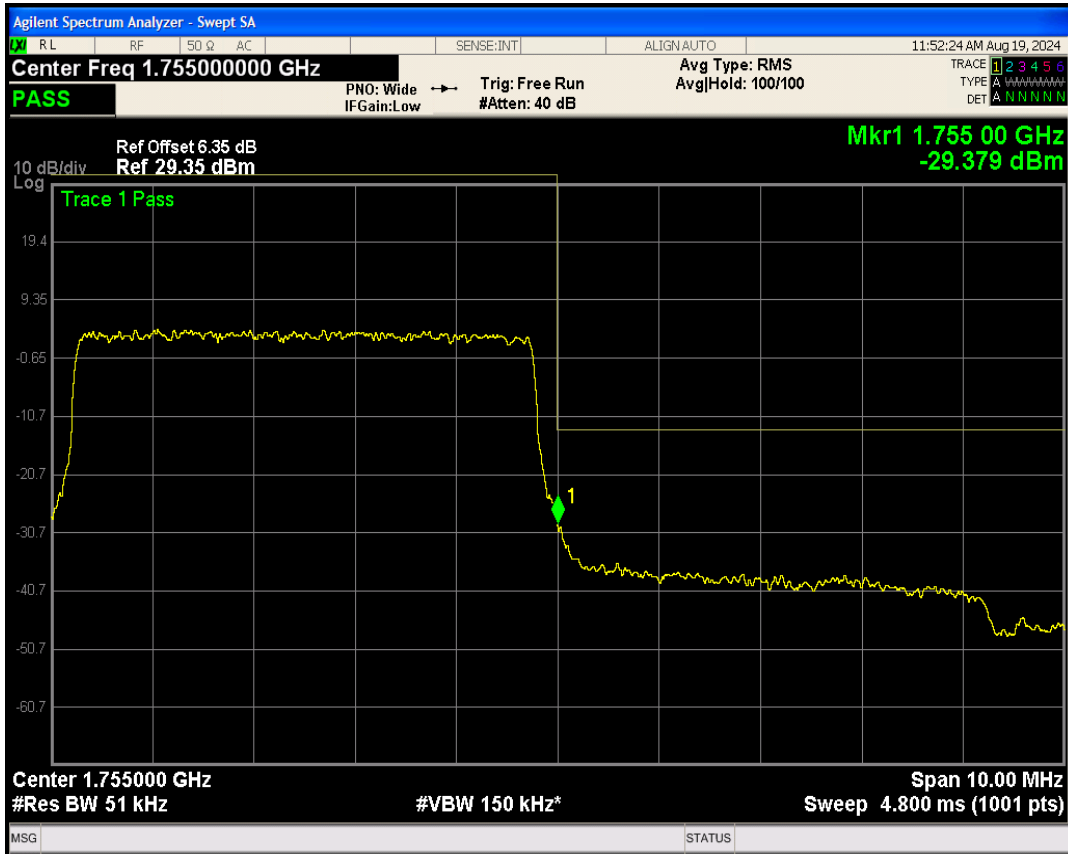
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



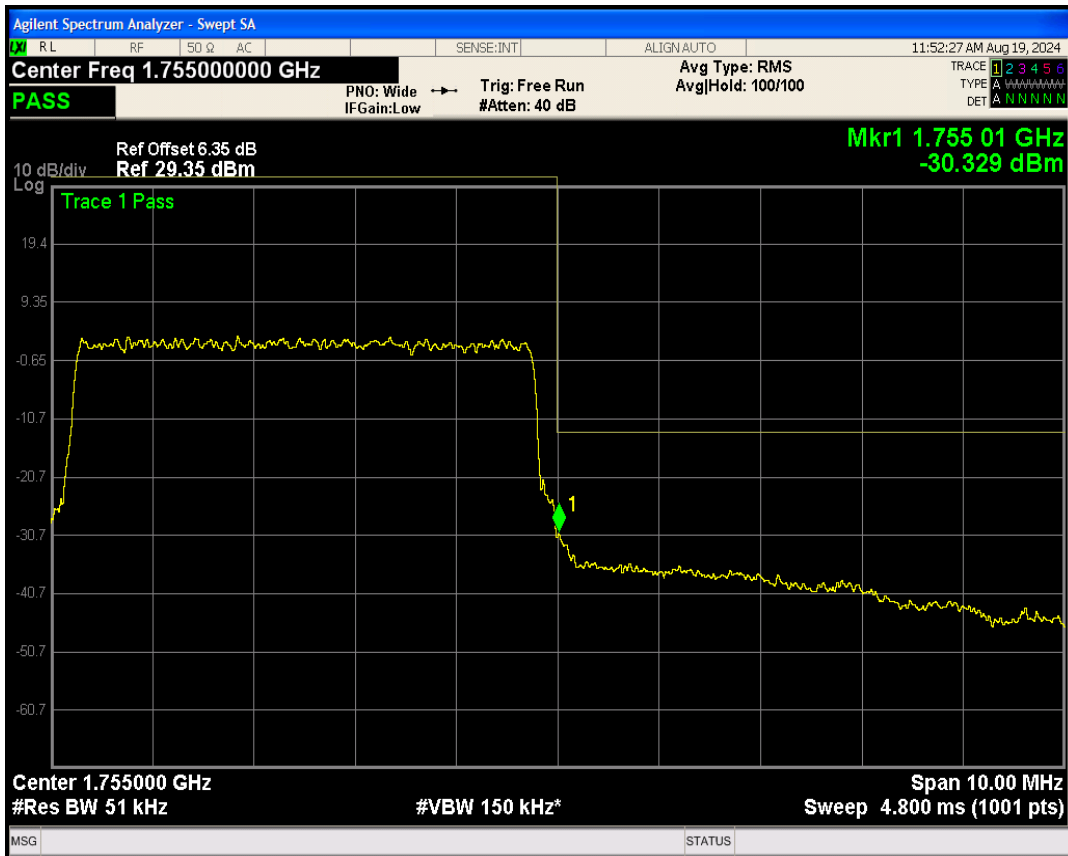
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



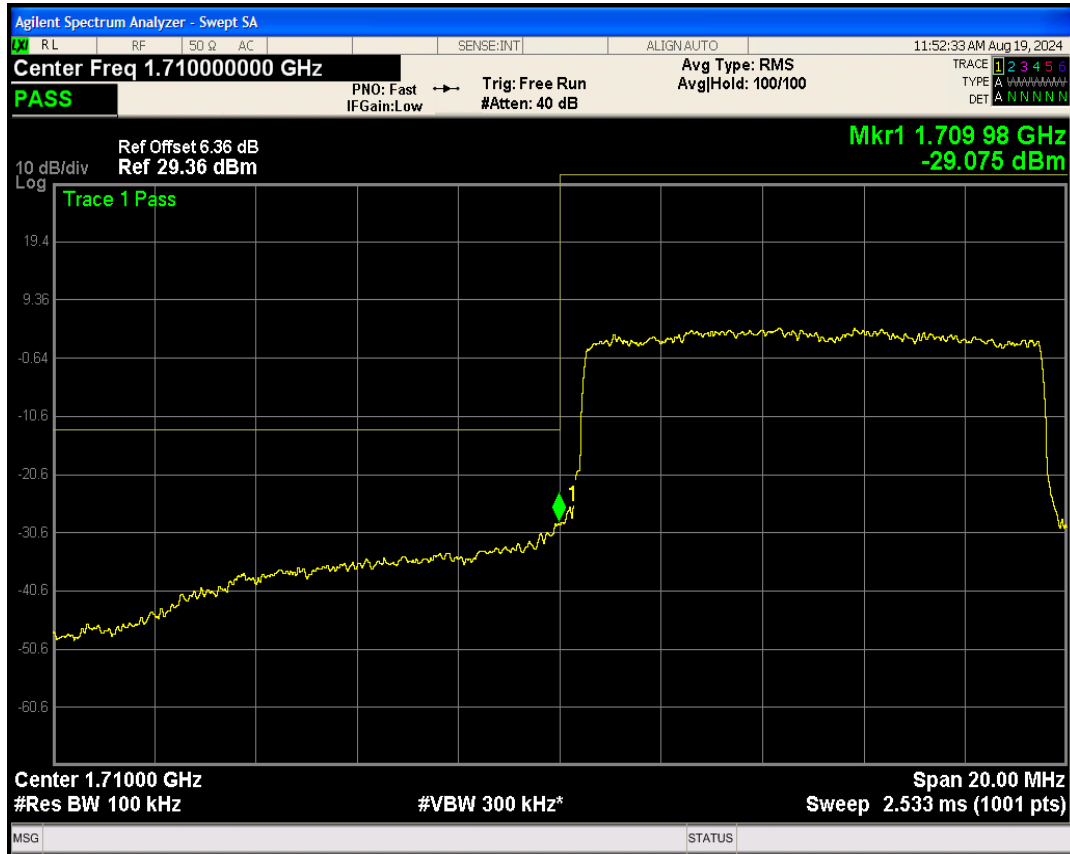
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



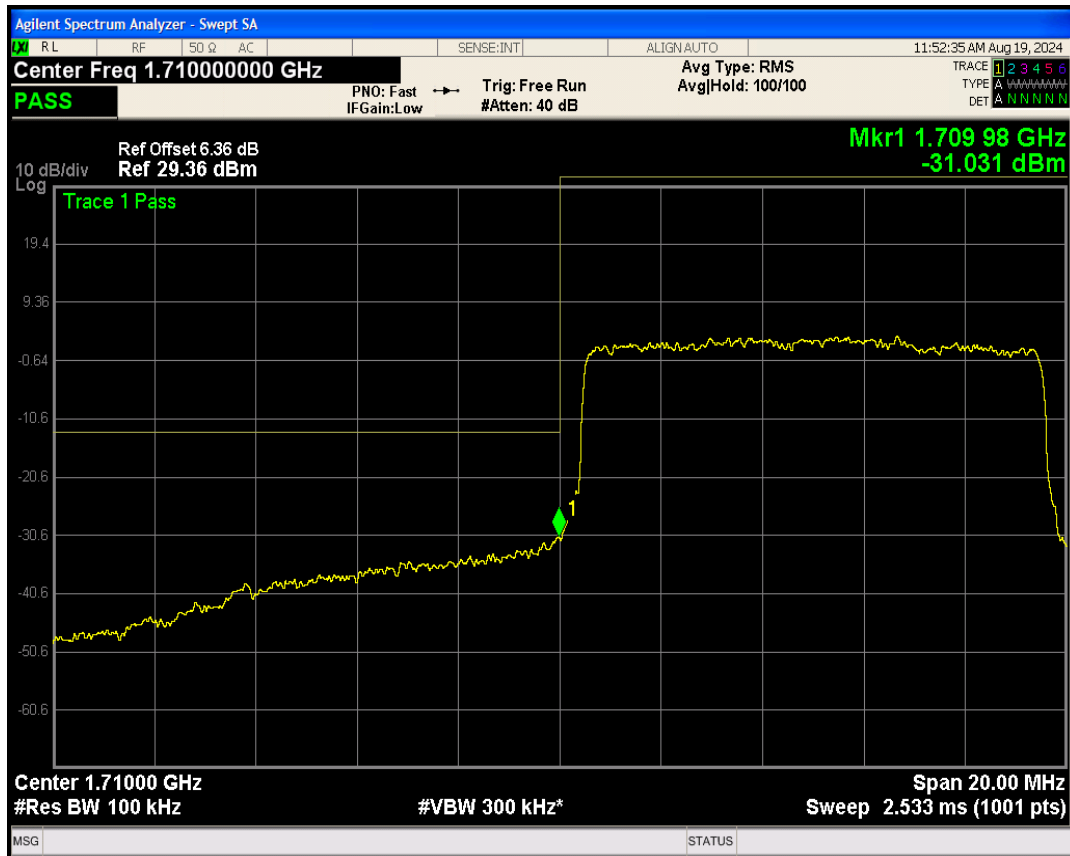
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



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



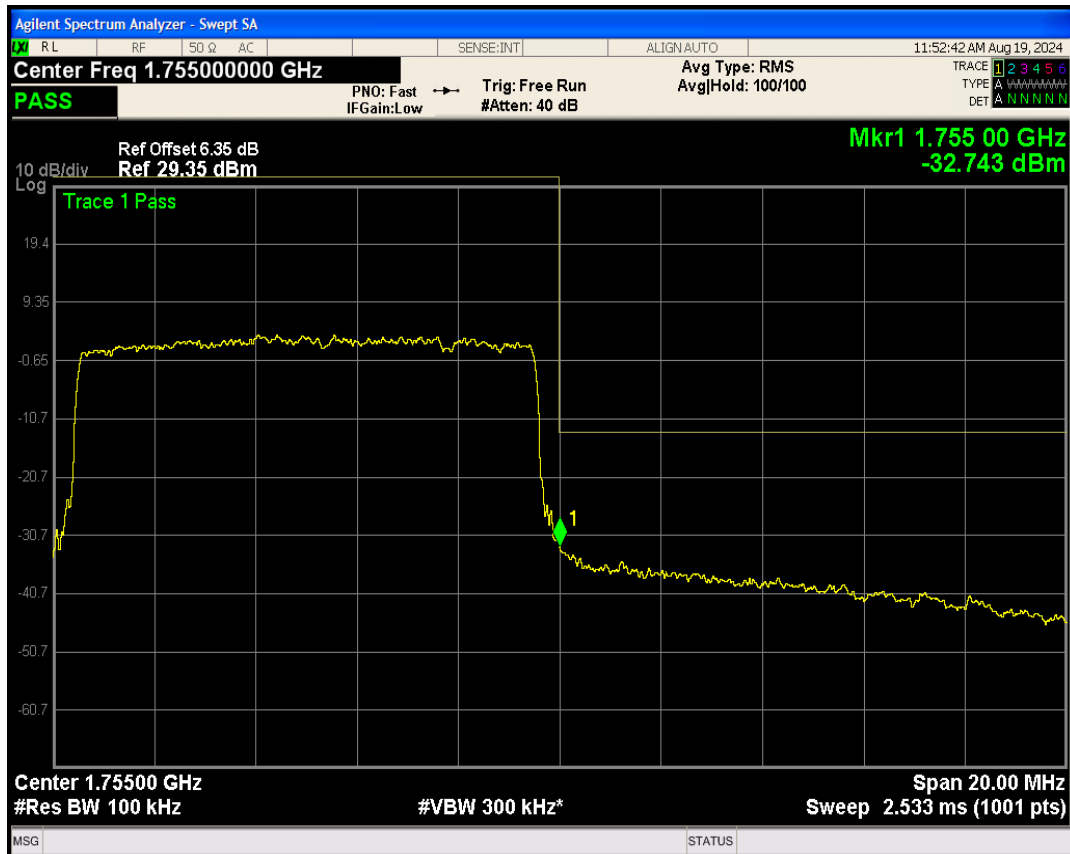
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



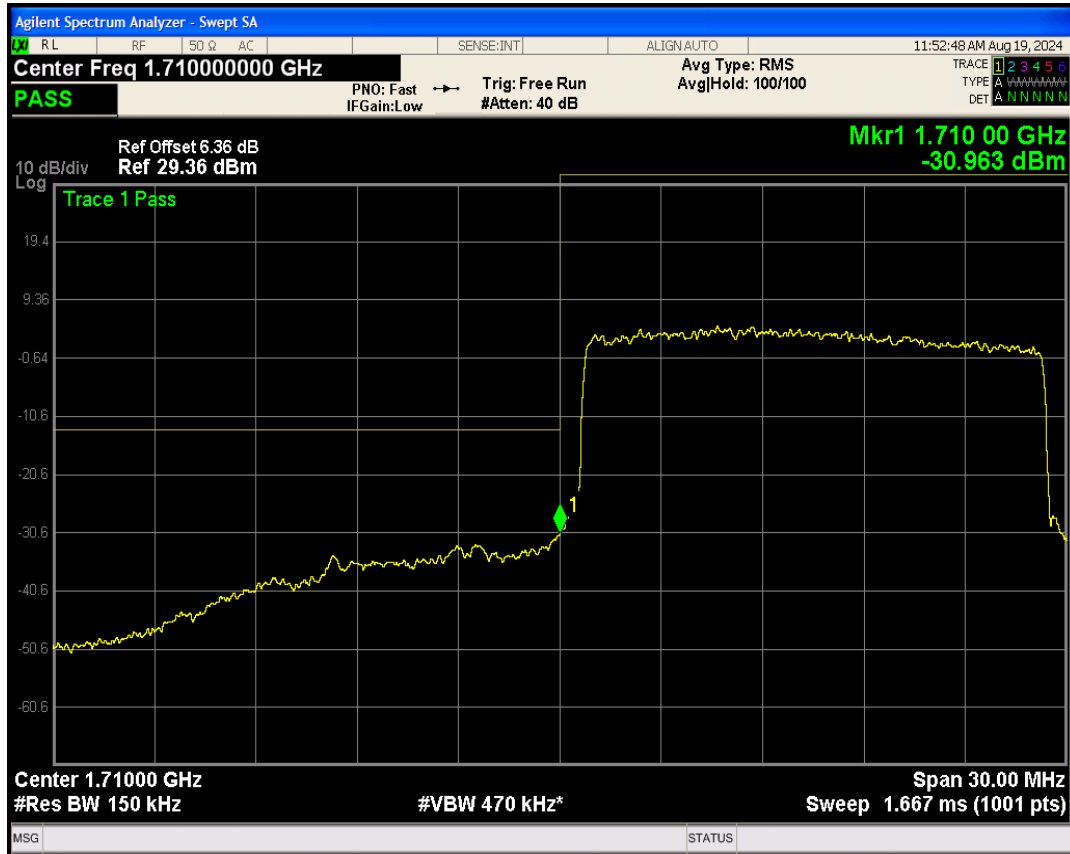
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



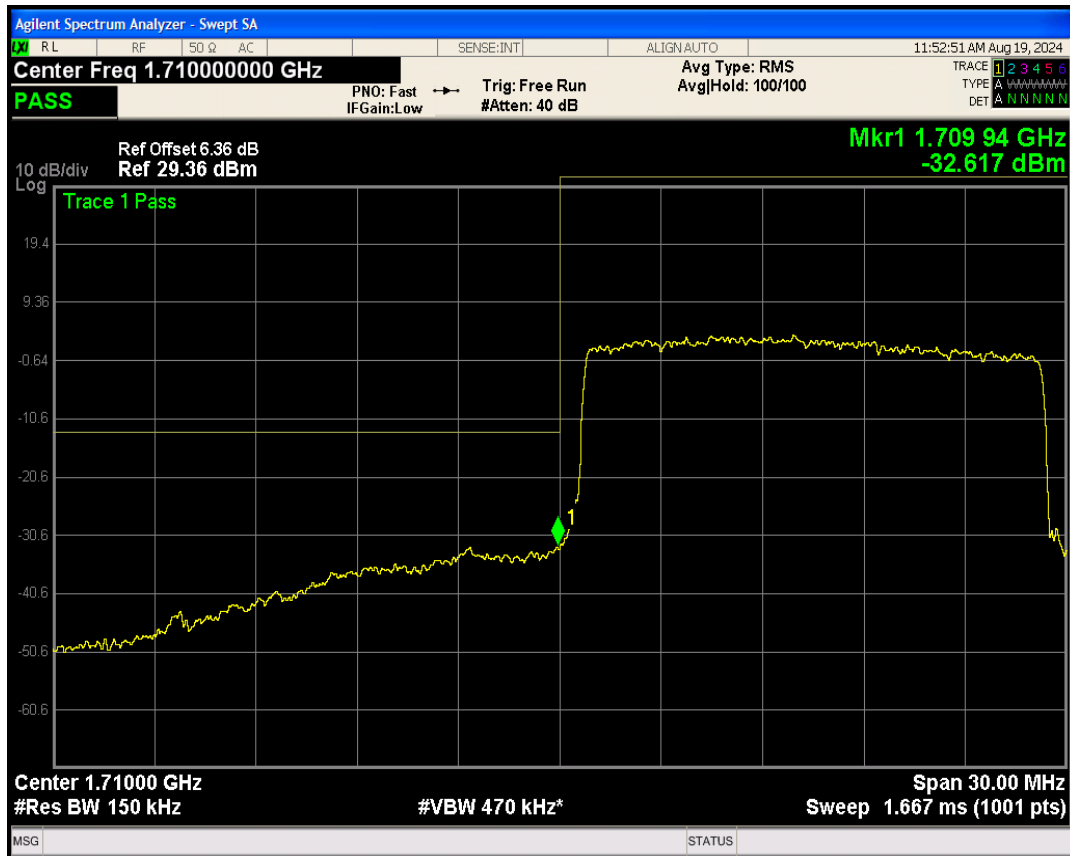
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



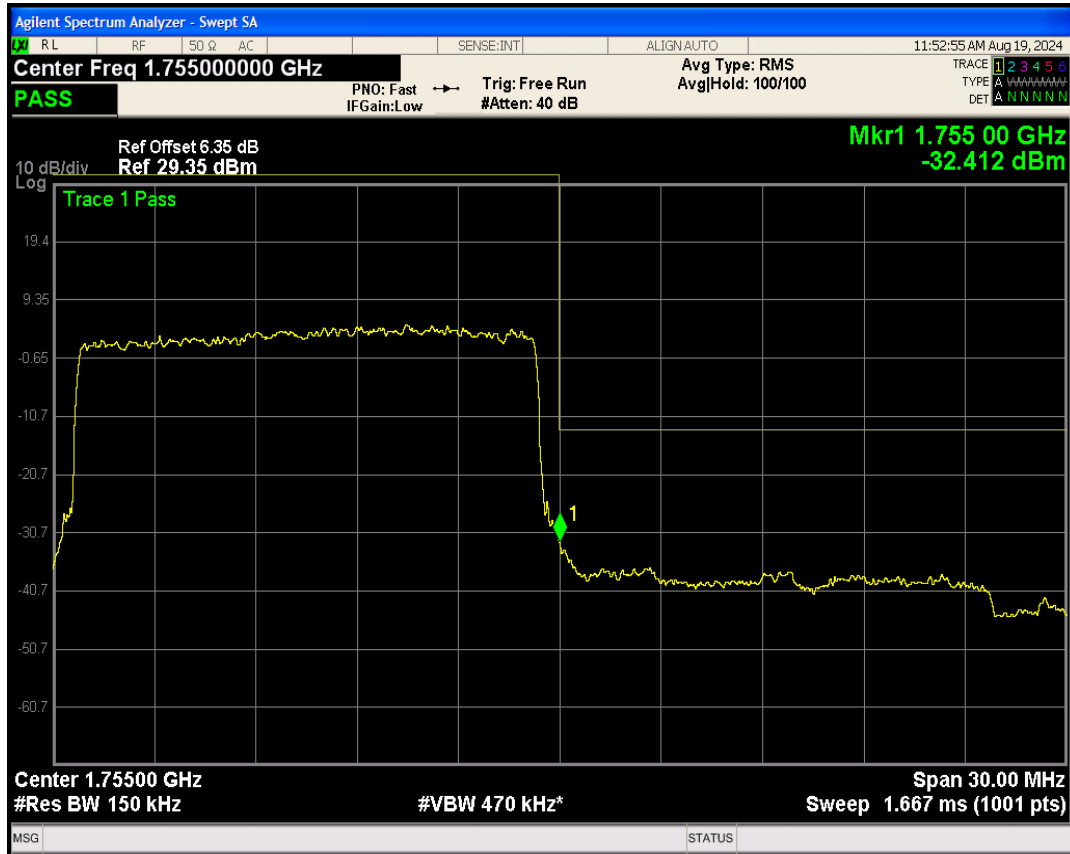
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



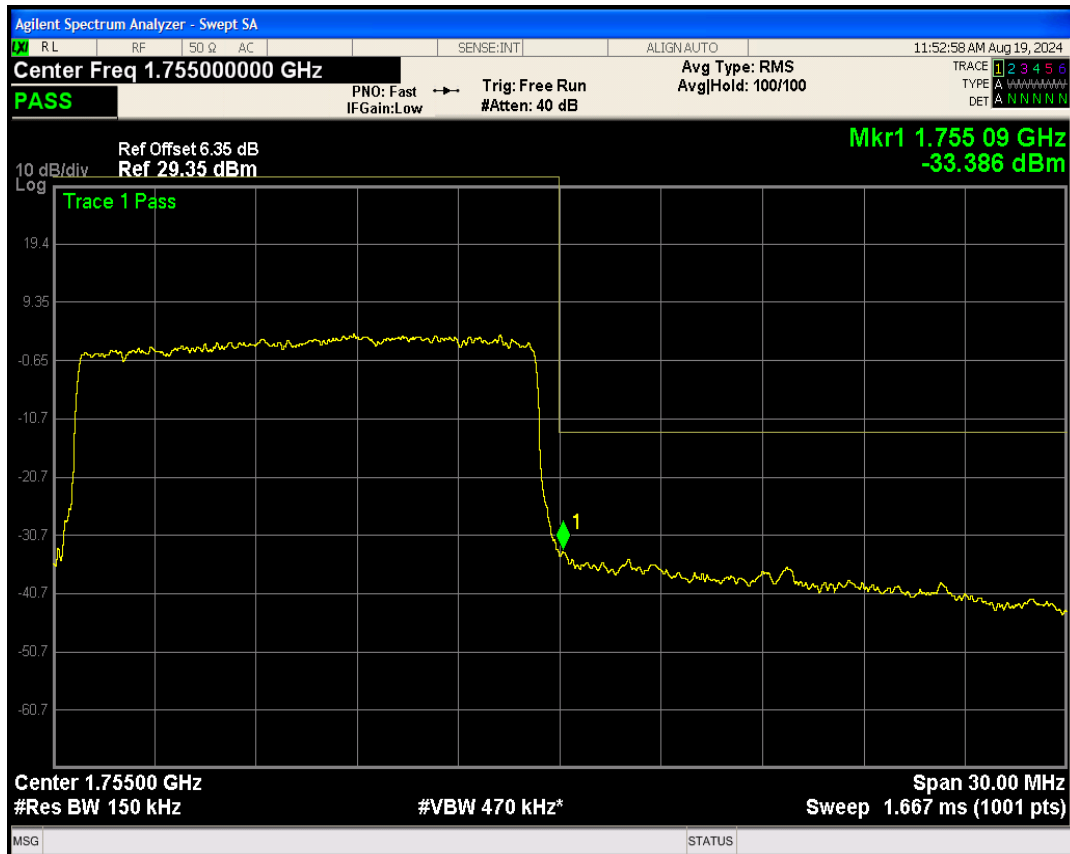
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



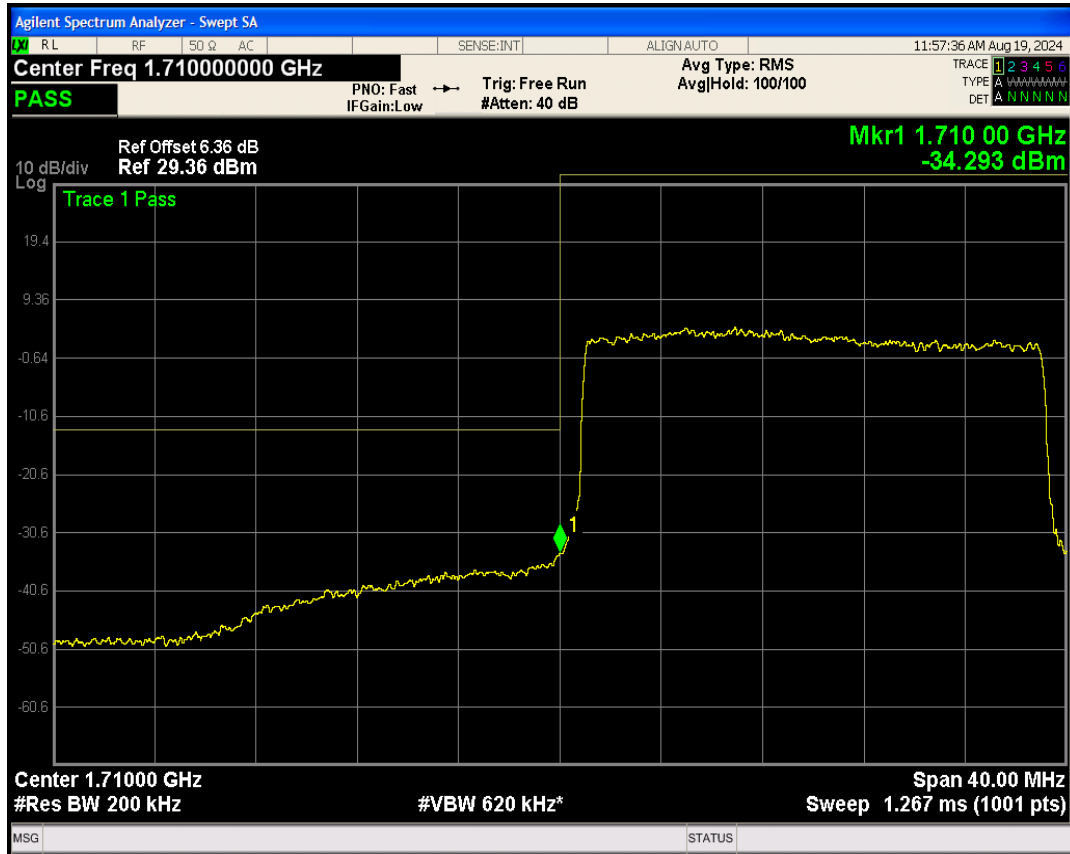
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



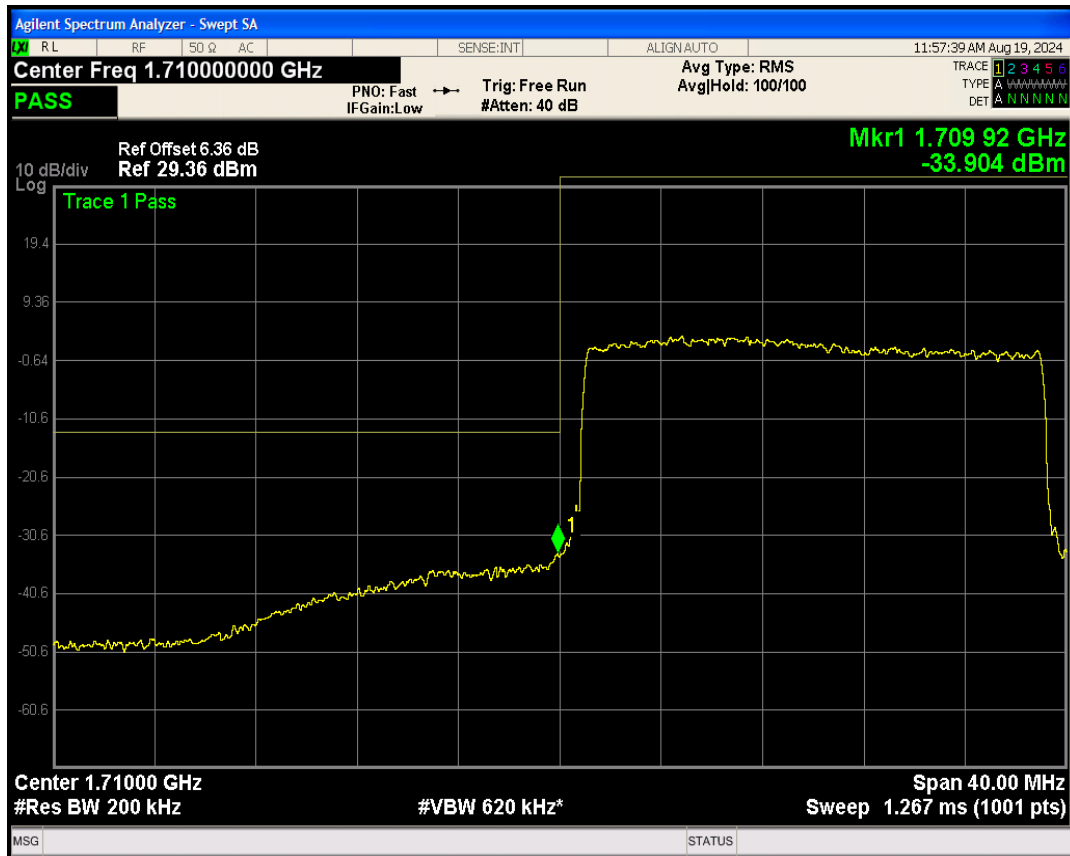
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



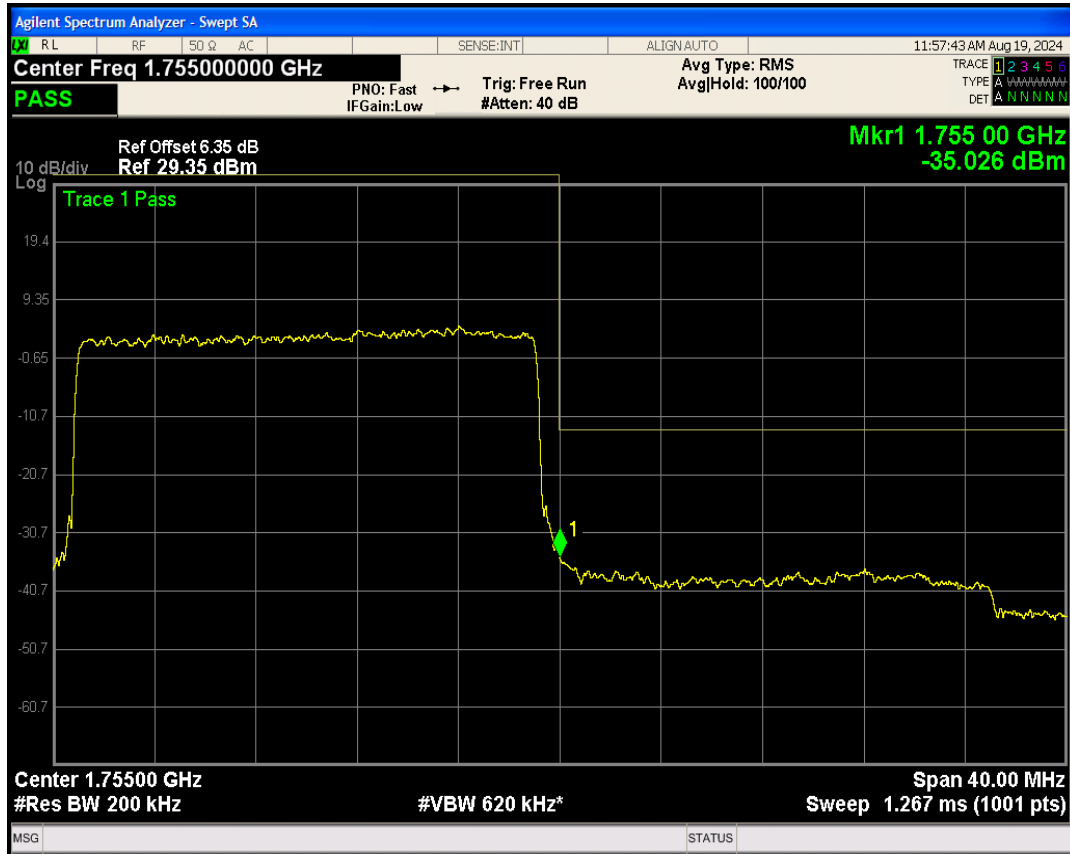
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



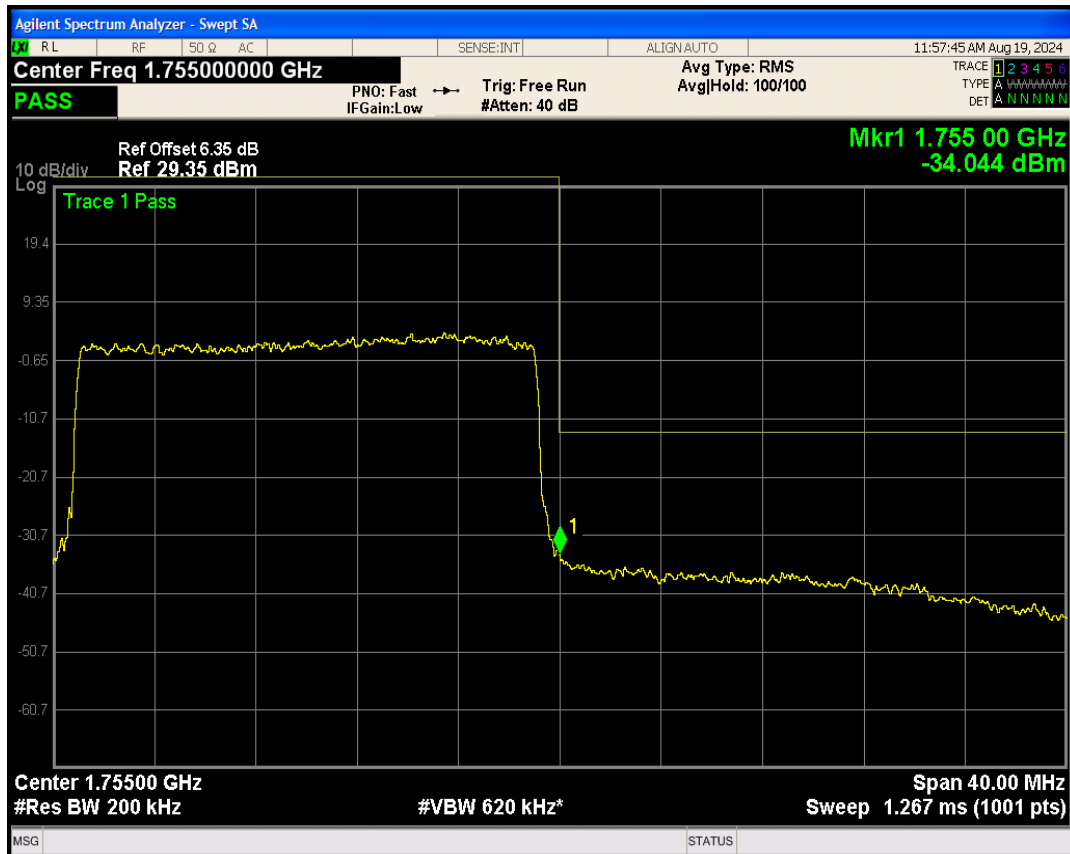
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



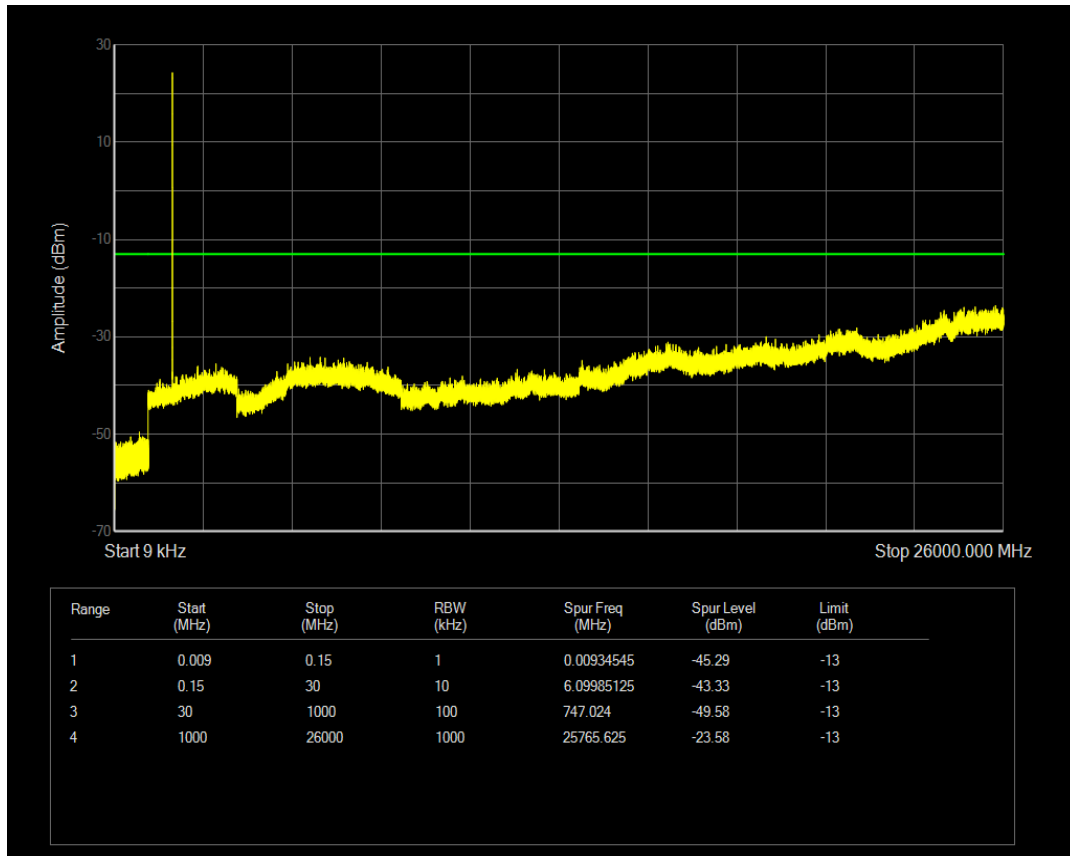
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



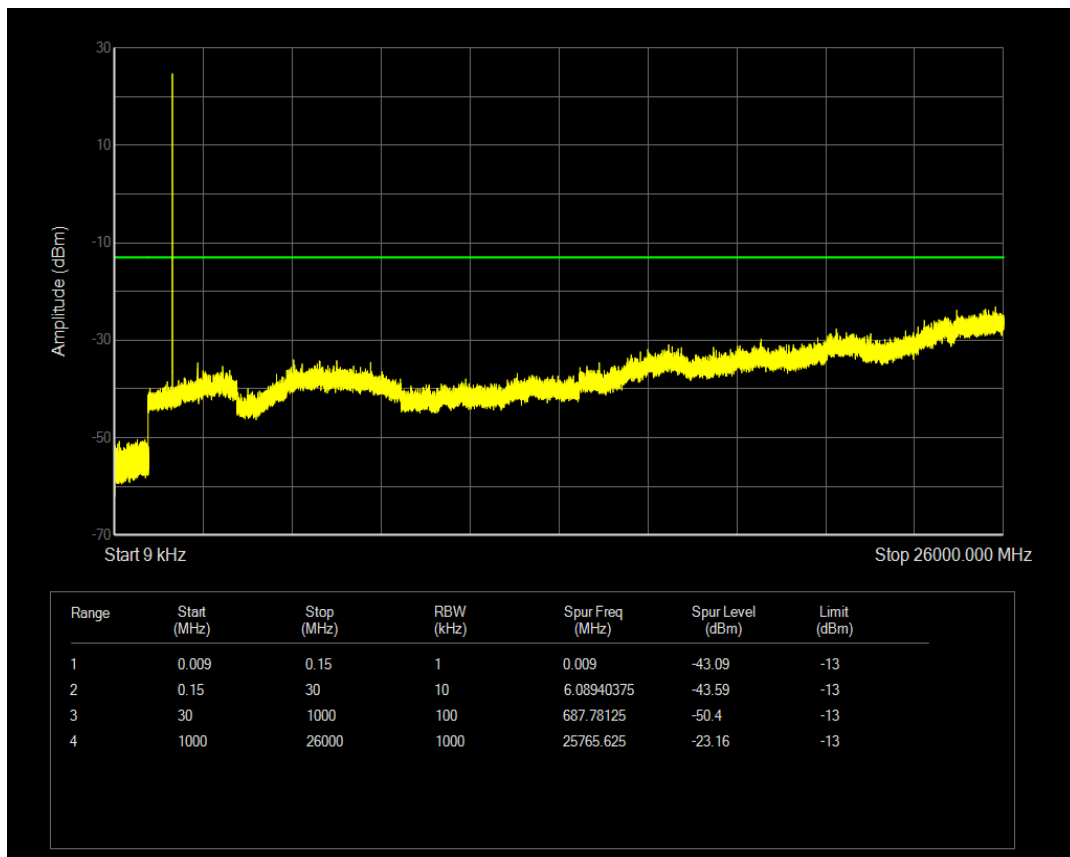
Appendix 6. Out-of-band emissions

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	25765.63	-23.58	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25765.63	-23.16	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25980.00	-23.41	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25780.00	-23.69	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25401.25	-23.32	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25866.25	-24.14	-13	PASS
Band4	3	19965	15	#0	QPSK	25553.13	-22.51	-13	PASS
Band4	3	19965	15	#0	16QAM	25147.50	-23.58	-13	PASS
Band4	3	20175	15	#0	QPSK	24715.63	-23.16	-13	PASS
Band4	3	20175	15	#0	16QAM	25694.38	-23.78	-13	PASS
Band4	3	20385	15	#0	QPSK	25748.13	-23.55	-13	PASS
Band4	3	20385	15	#0	16QAM	25974.38	-22.85	-13	PASS
Band4	5	19975	25	#0	QPSK	25651.25	-23.67	-13	PASS
Band4	5	19975	25	#0	16QAM	25553.75	-23.17	-13	PASS
Band4	5	20175	25	#0	QPSK	25088.75	-22.86	-13	PASS
Band4	5	20175	25	#0	16QAM	25799.38	-22.97	-13	PASS
Band4	5	20375	25	#0	QPSK	25555.00	-22.92	-13	PASS
Band4	5	20375	25	#0	16QAM	25365.00	-23.41	-13	PASS
Band4	10	20000	50	#0	QPSK	25574.38	-18.61	-13	PASS
Band4	10	20175	50	#0	QPSK	25505.63	-23.47	-13	PASS
Band4	10	20175	50	#0	16QAM	25955.00	-23.41	-13	PASS
Band4	10	20350	50	#0	QPSK	45.86	-16.76	-13	PASS
Band4	10	20350	50	#0	16QAM	25071.88	-23.21	-13	PASS
Band4	15	20025	75	#0	QPSK	25201.88	-24.06	-13	PASS
Band4	15	20025	75	#0	16QAM	1.15	-20.25	-13	PASS
Band4	15	20175	75	#0	QPSK	1.15	-21.32	-13	PASS
Band4	15	20175	75	#0	16QAM	1.15	-21.39	-13	PASS
Band4	15	20325	75	#0	QPSK	0.59	-21.32	-13	PASS
Band4	15	20325	75	#0	16QAM	1.15	-21.42	-13	PASS
Band4	20	20050	100	#0	QPSK	1.15	-21.98	-13	PASS
Band4	20	20050	100	#0	16QAM	0.59	-21.41	-13	PASS
Band4	20	20175	100	#0	QPSK	0.60	-21.44	-13	PASS
Band4	20	20175	100	#0	16QAM	0.59	-21.73	-13	PASS
Band4	20	20300	100	#0	QPSK	0.60	-22.10	-13	PASS
Band4	20	20300	100	#0	16QAM	0.60	-22.13	-13	PASS

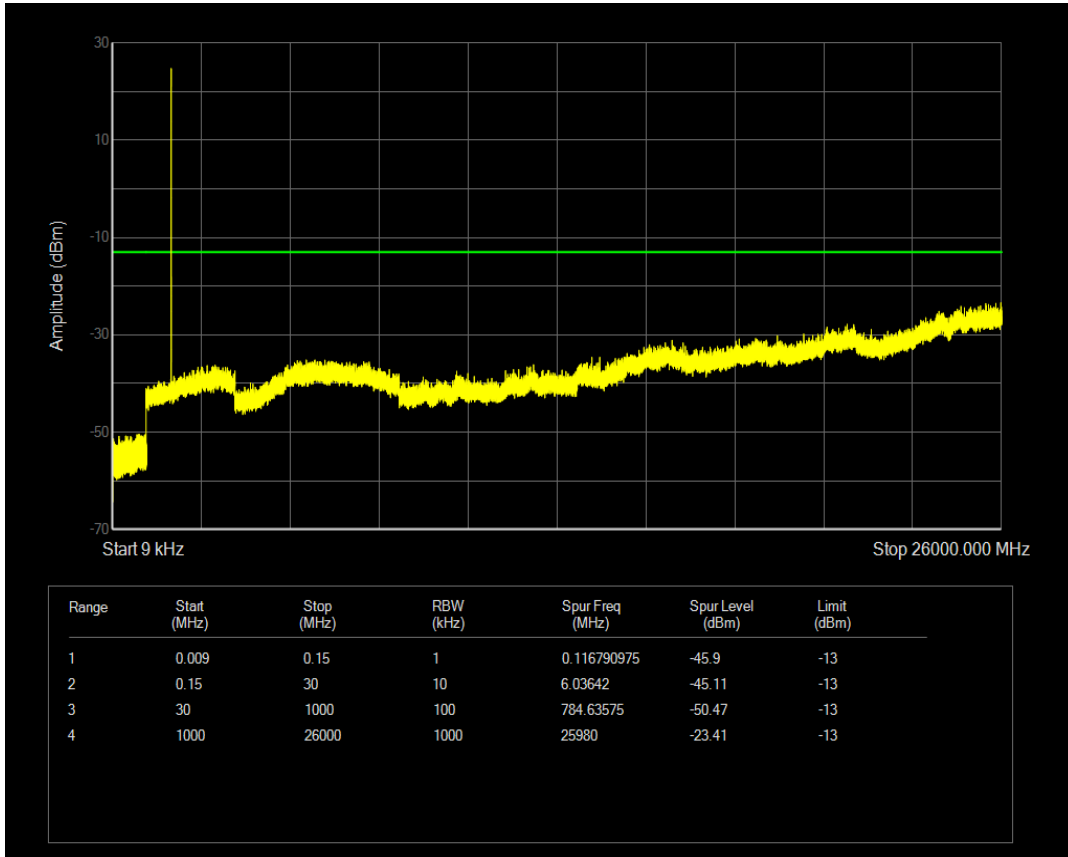
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



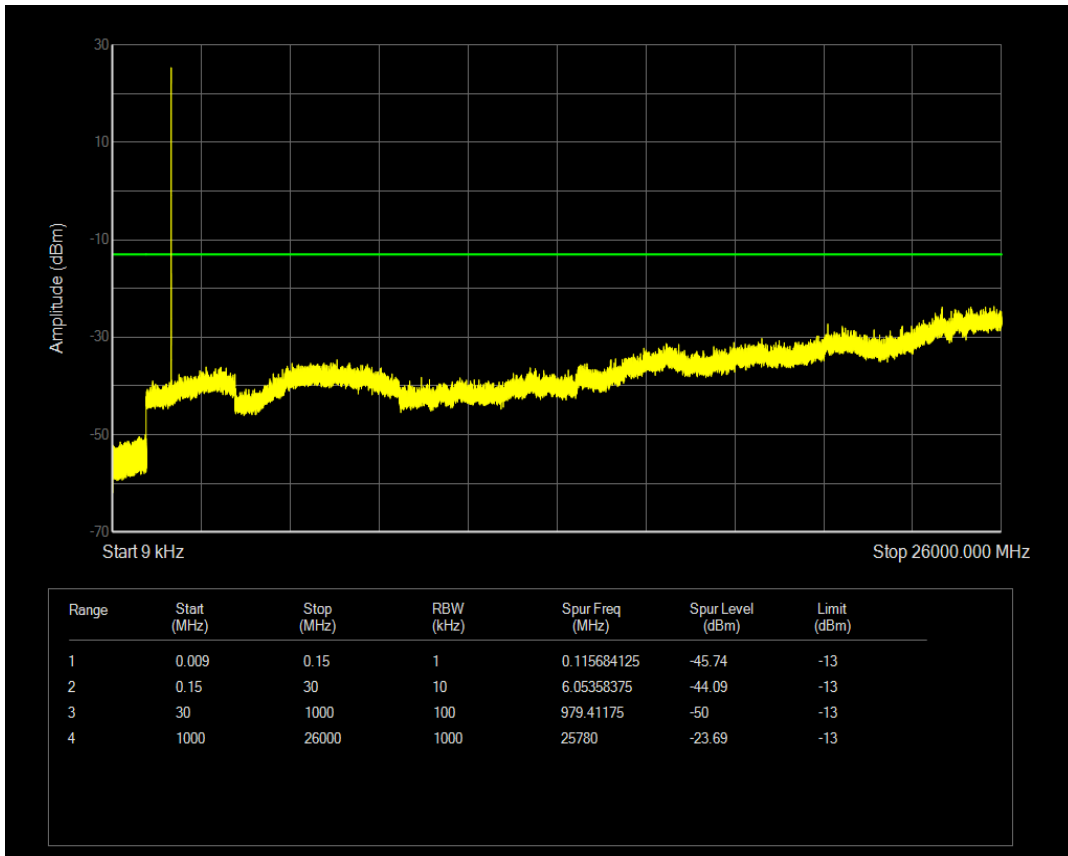
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



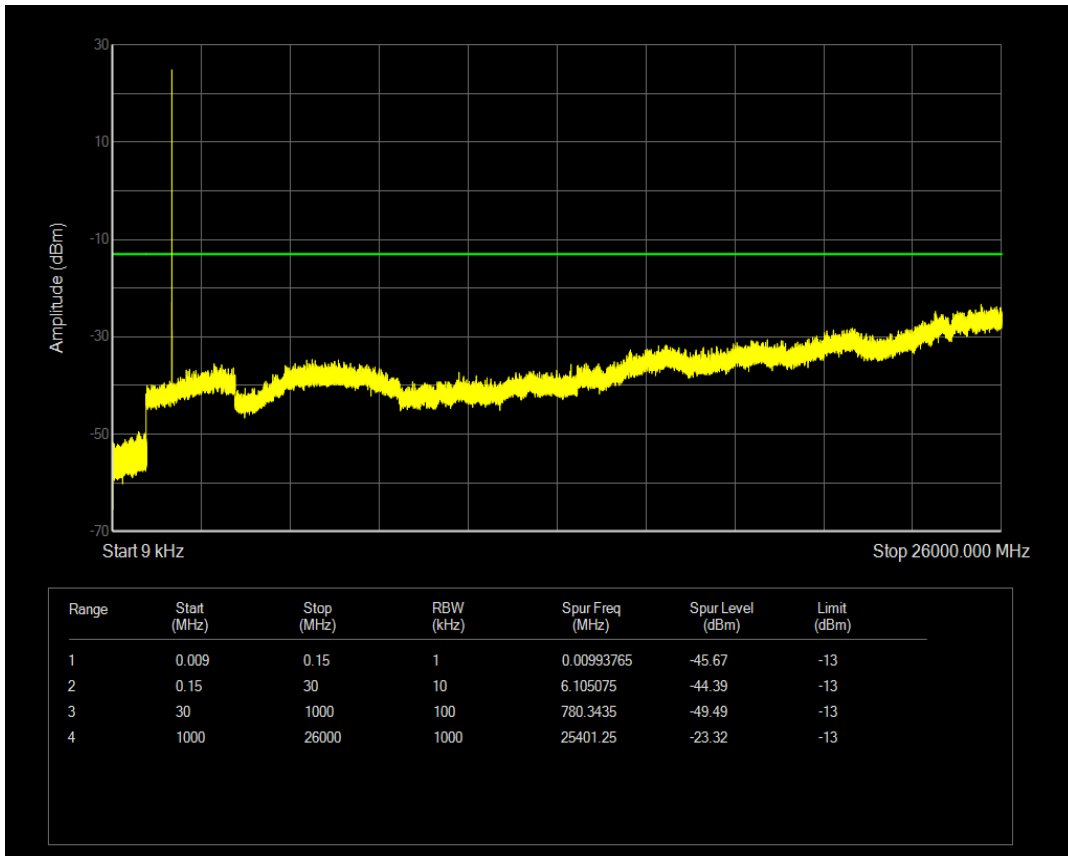
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



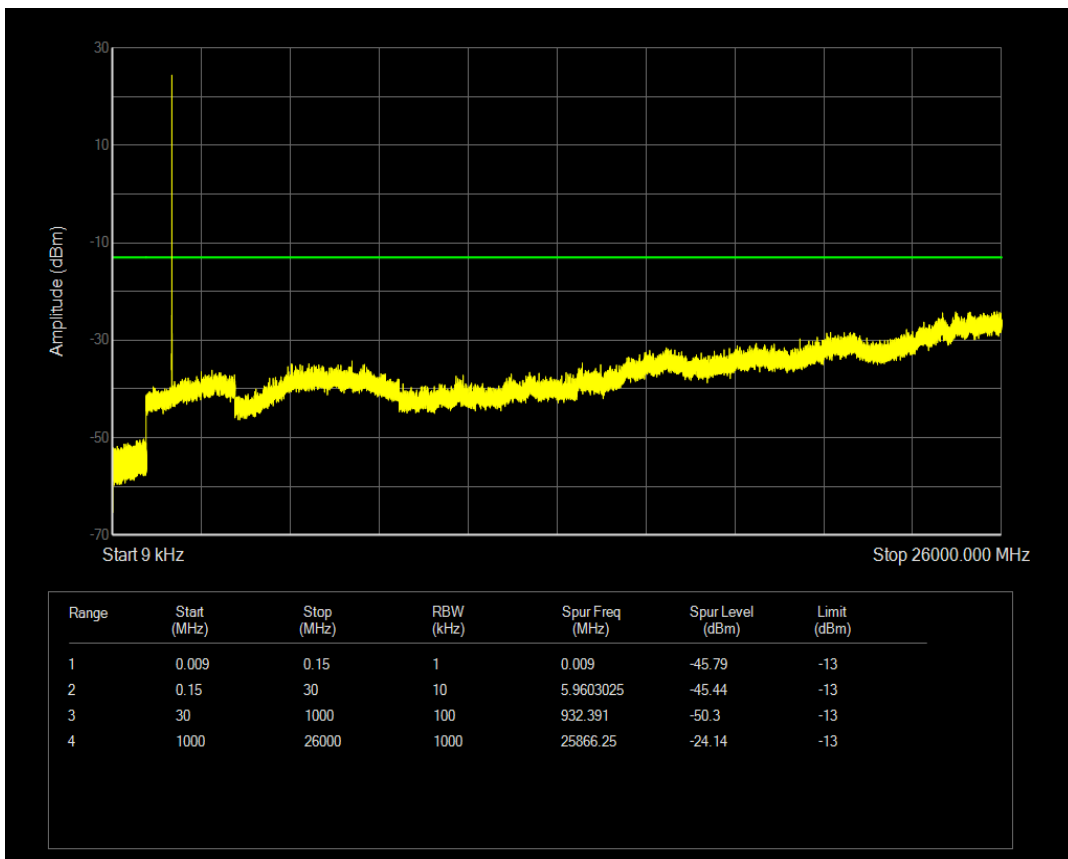
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



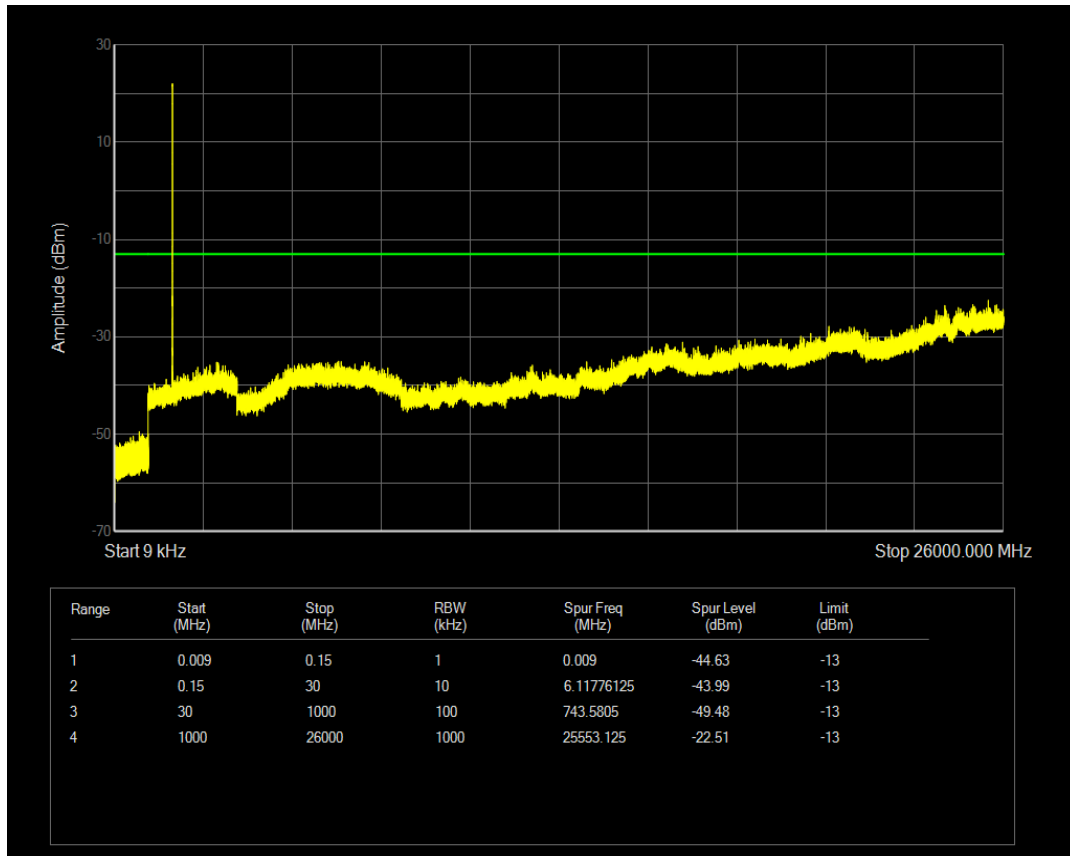
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



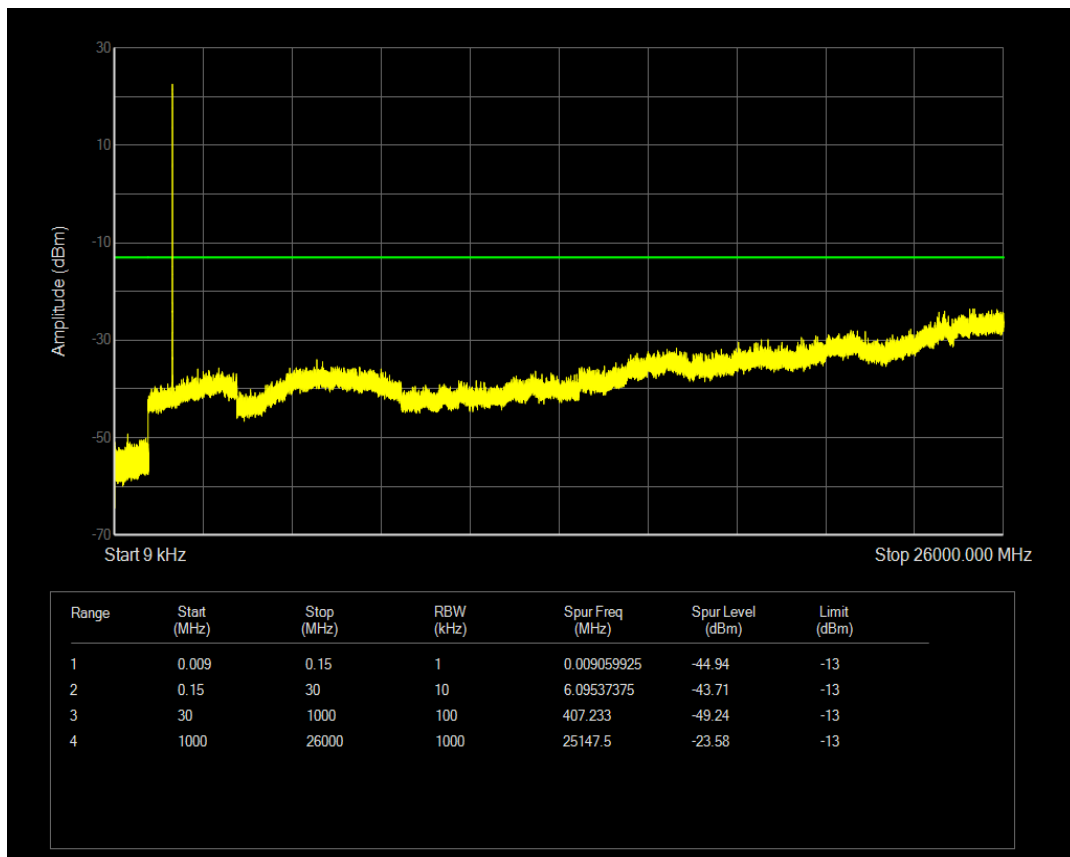
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



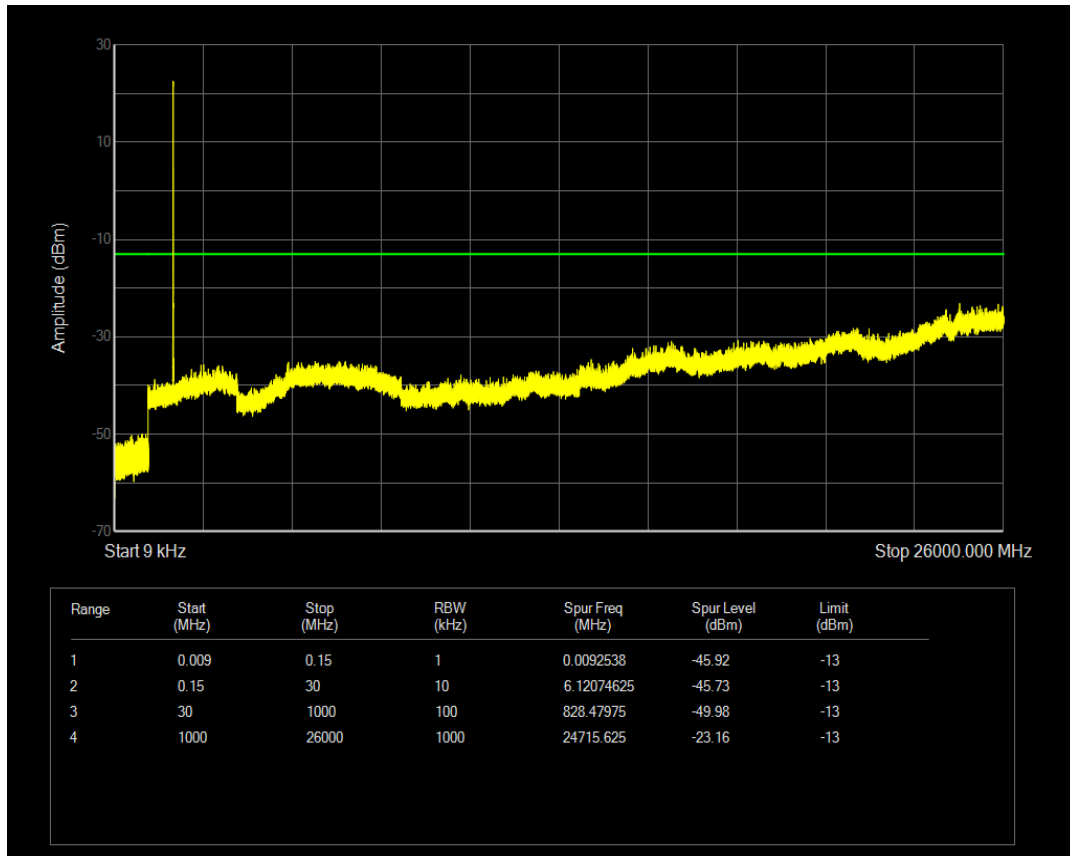
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



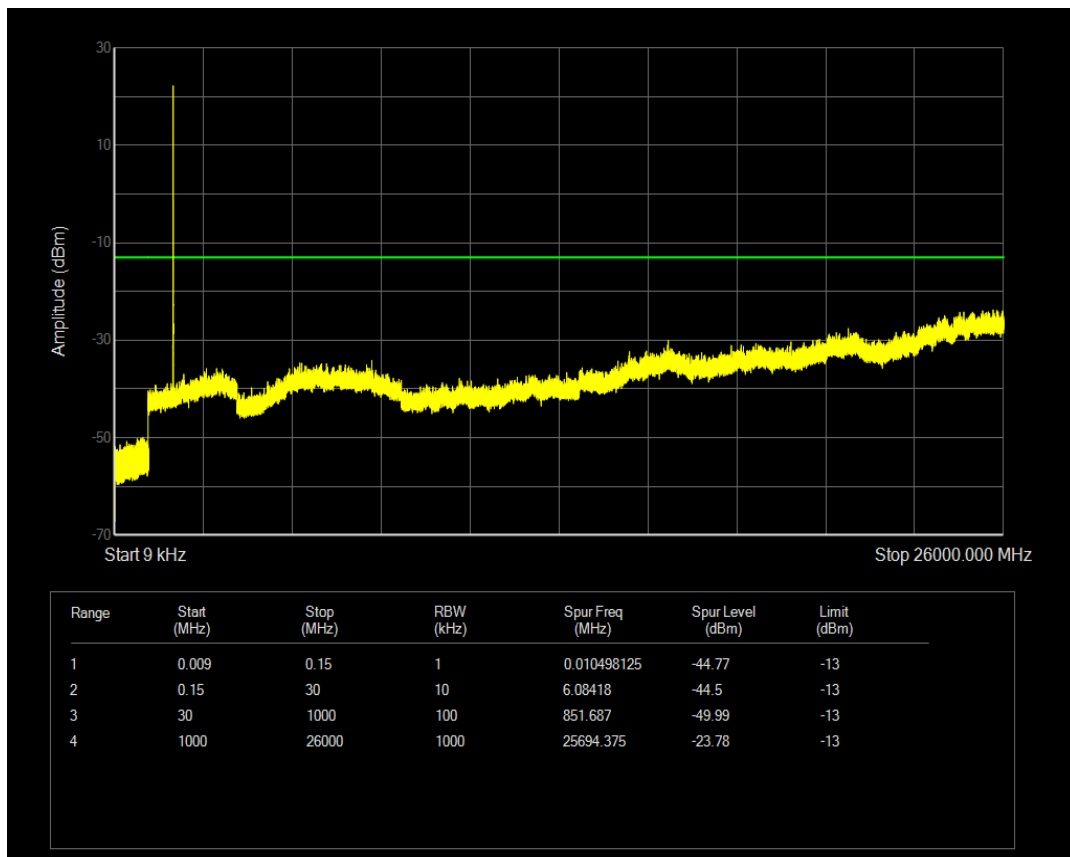
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



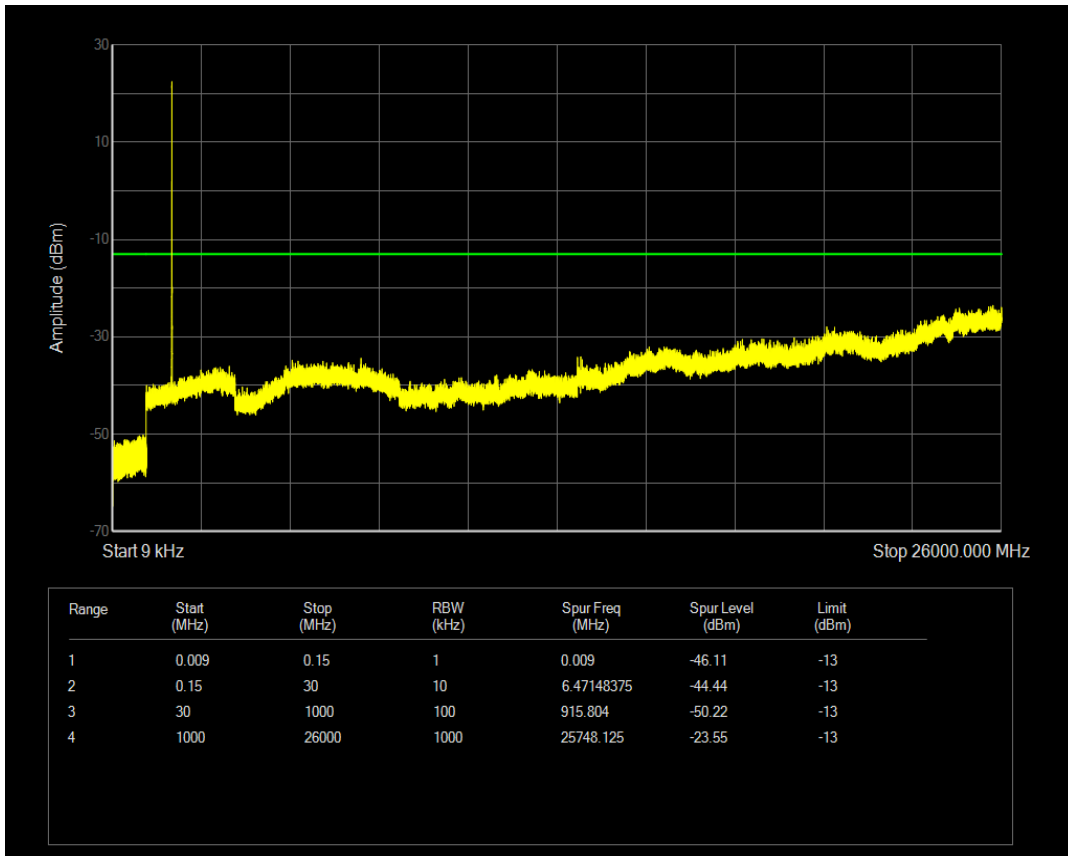
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



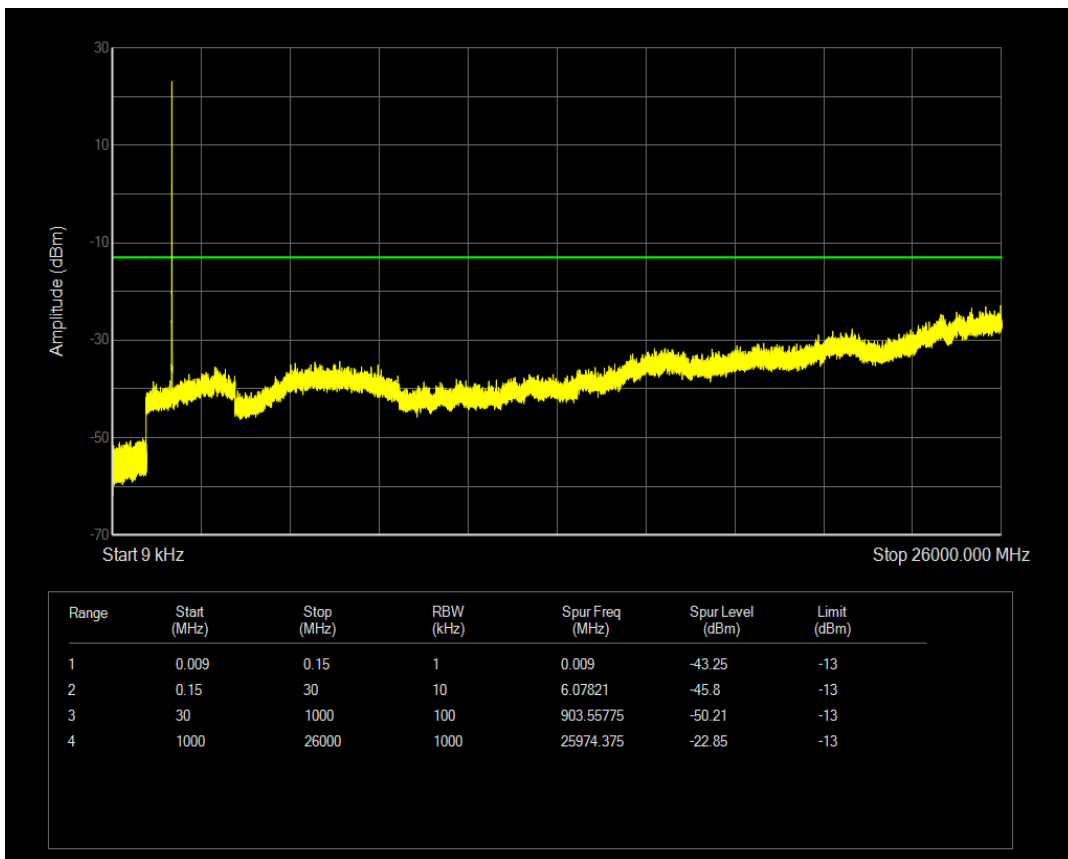
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



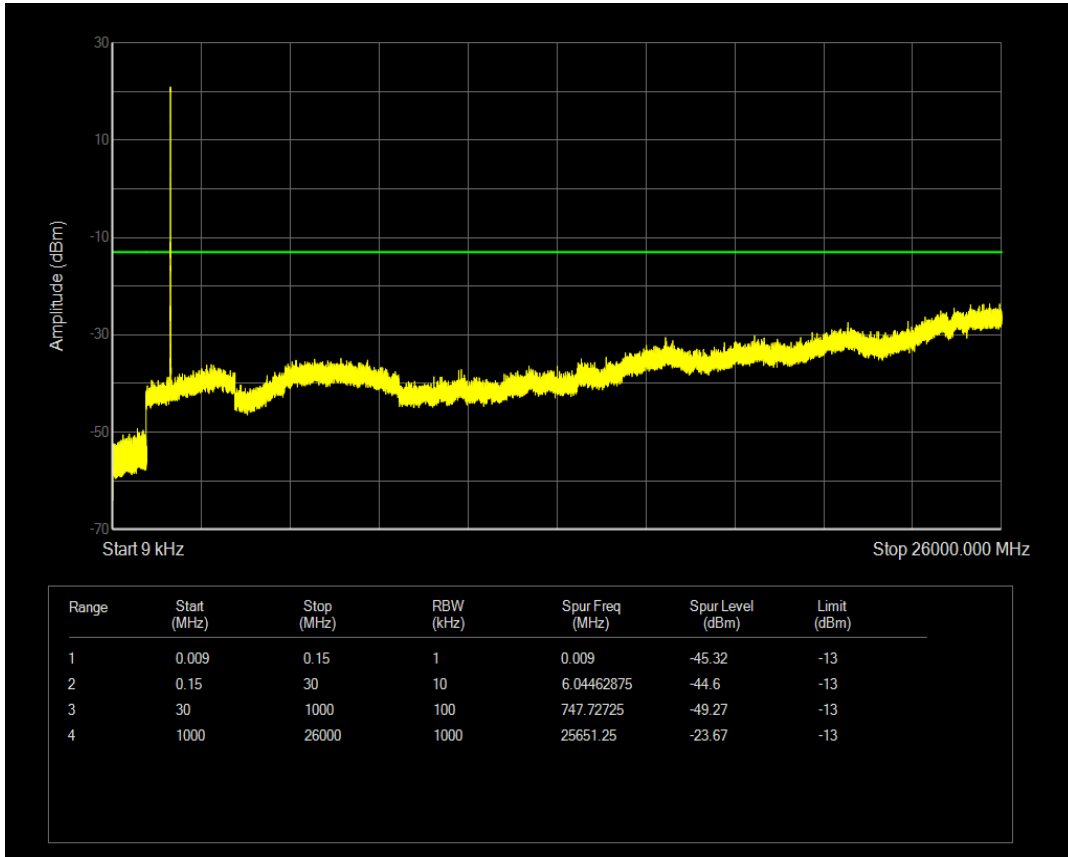
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



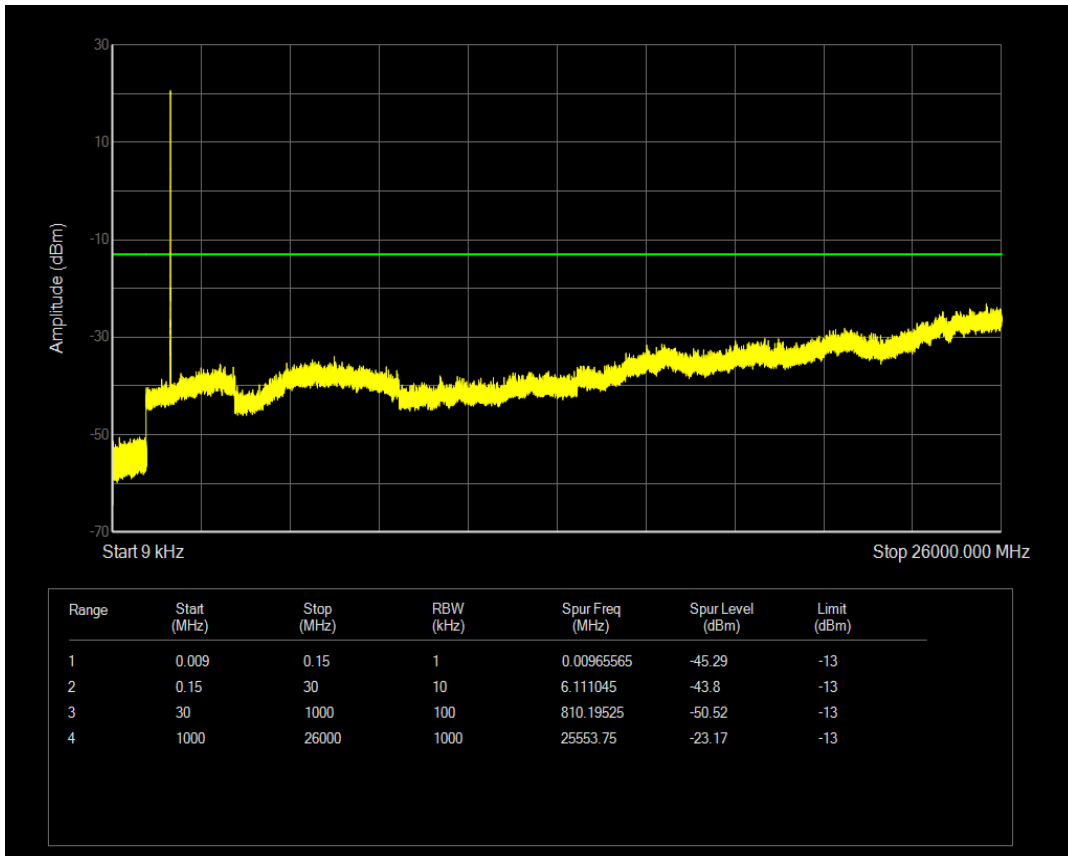
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



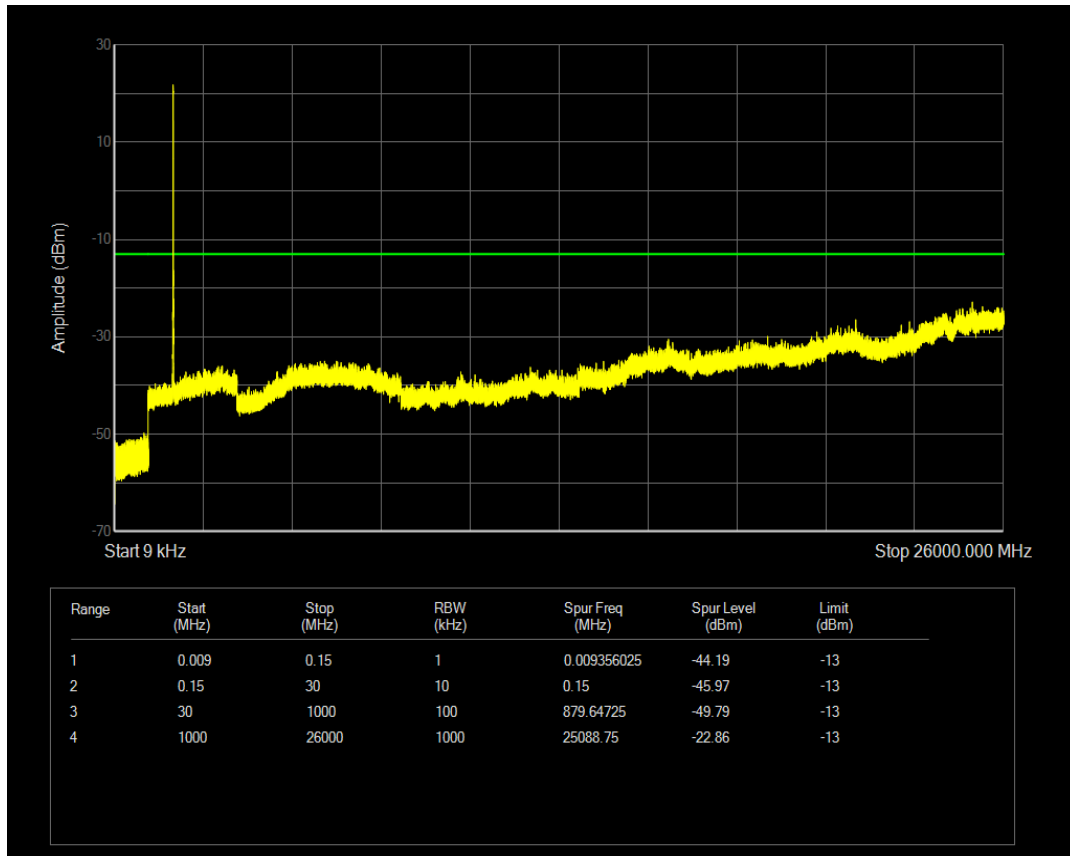
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



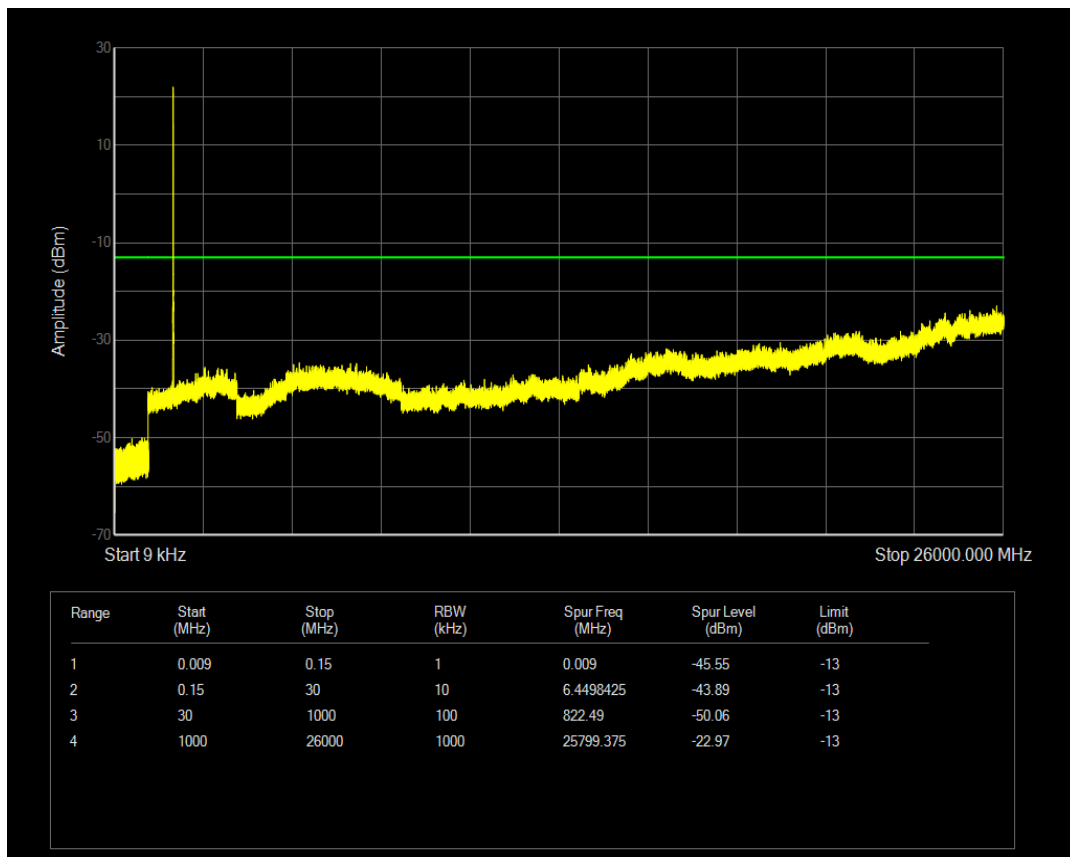
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



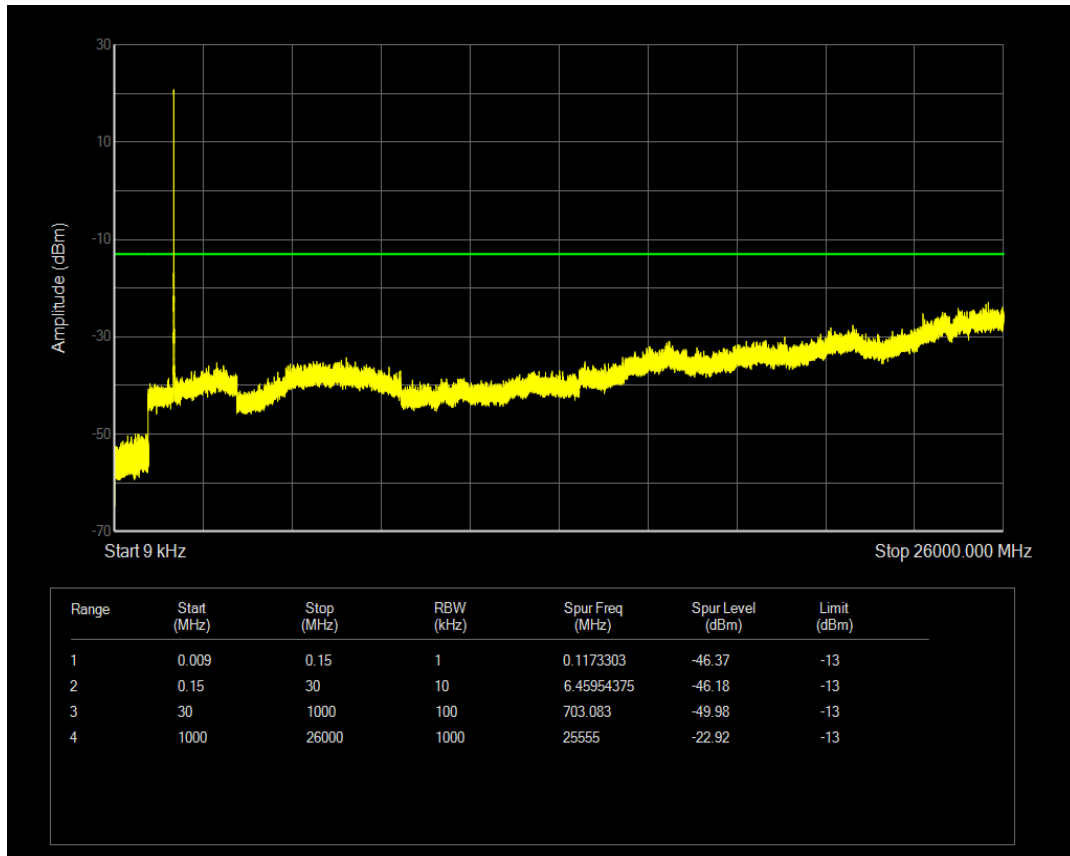
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



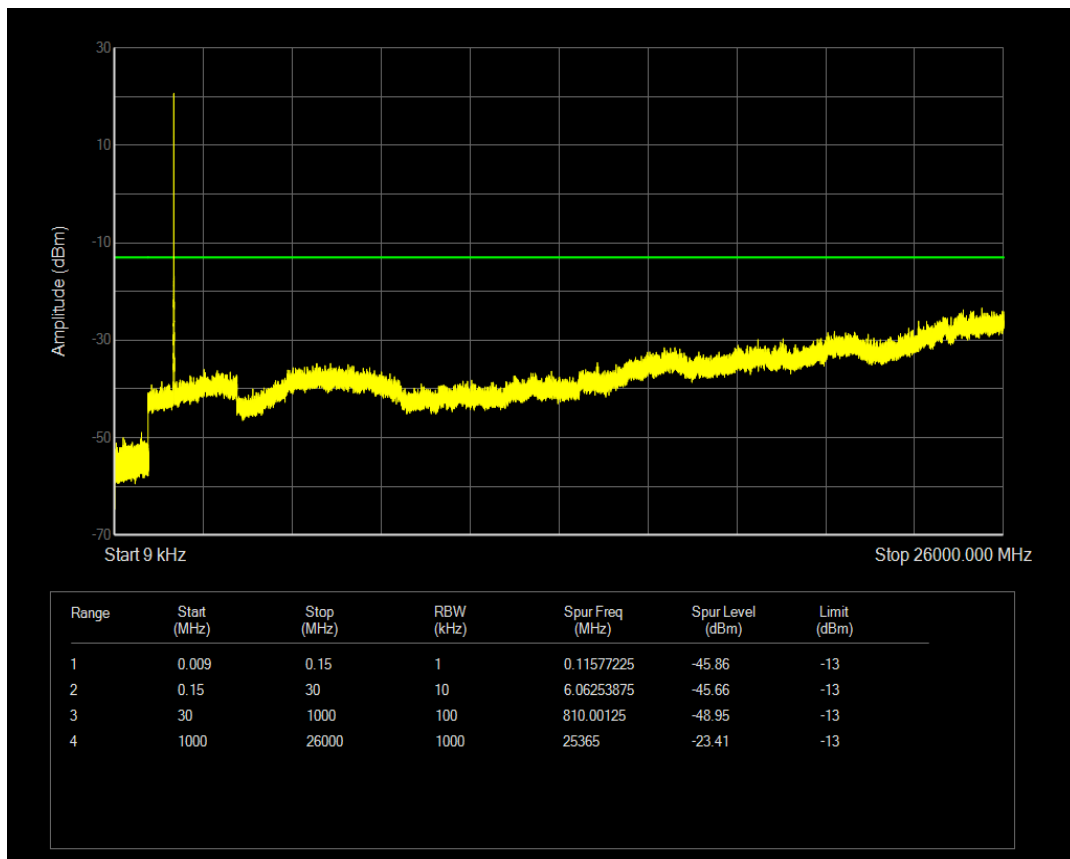
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



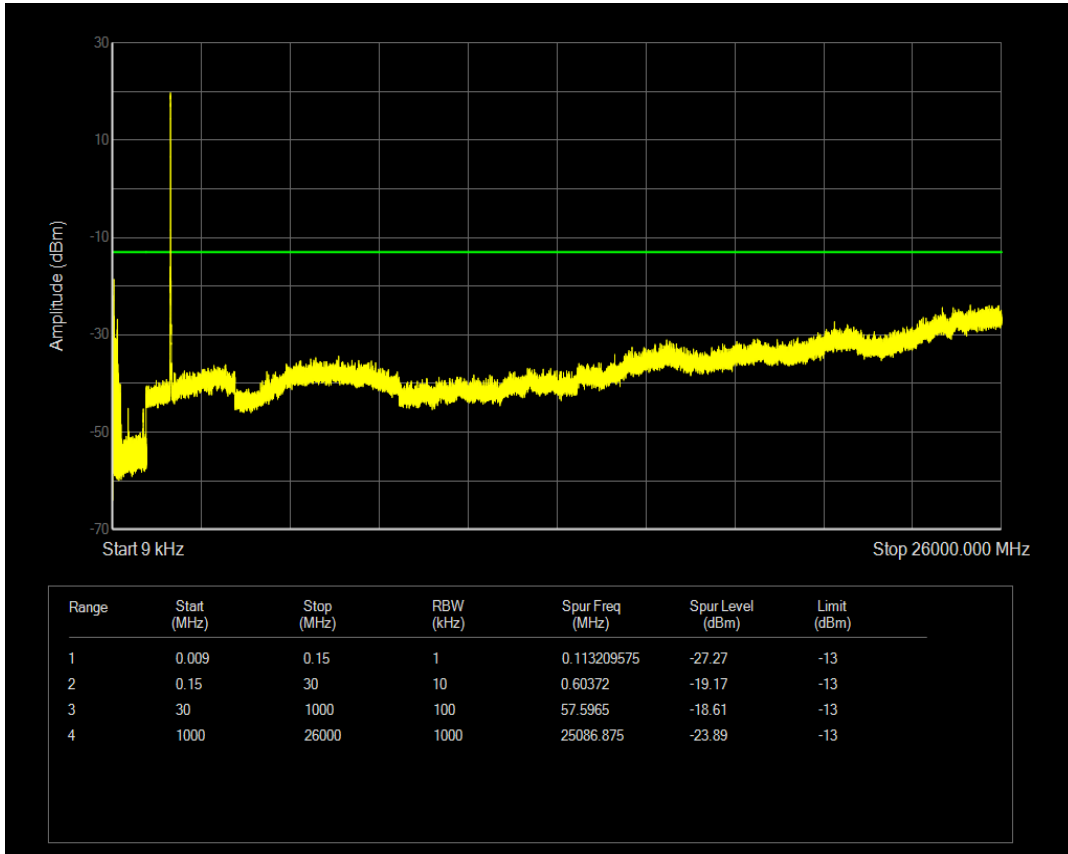
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



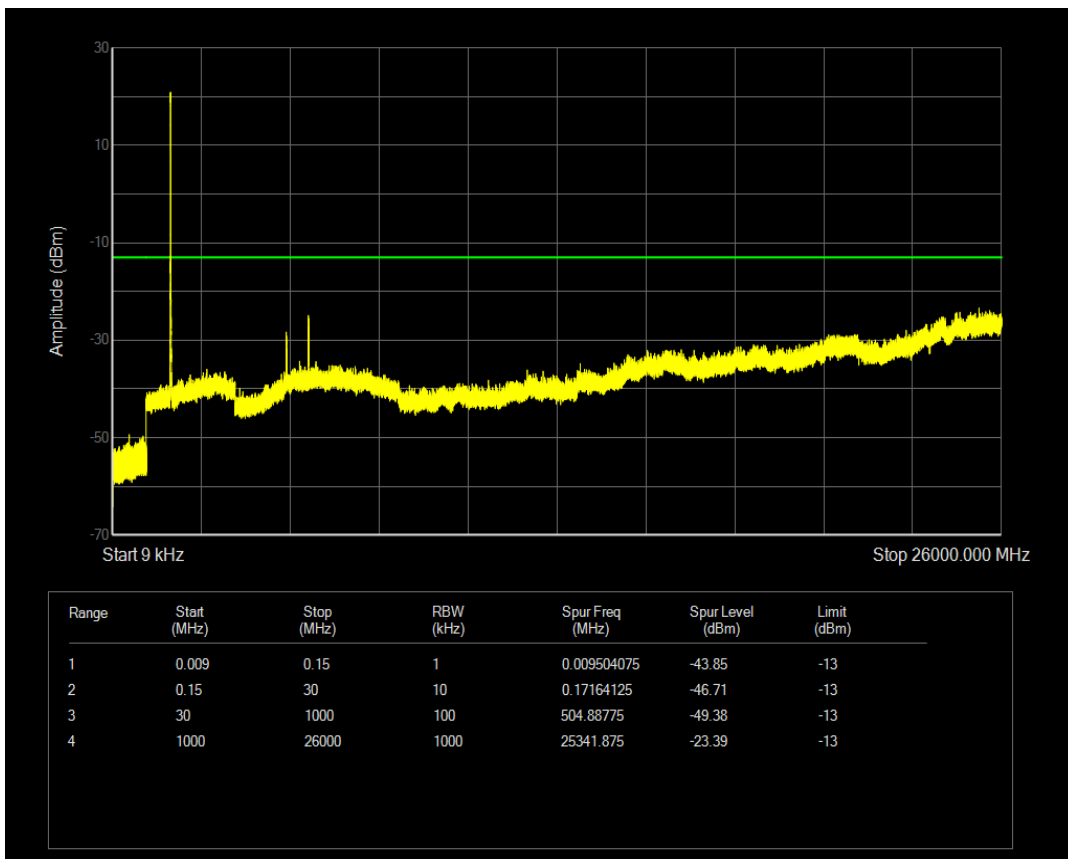
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



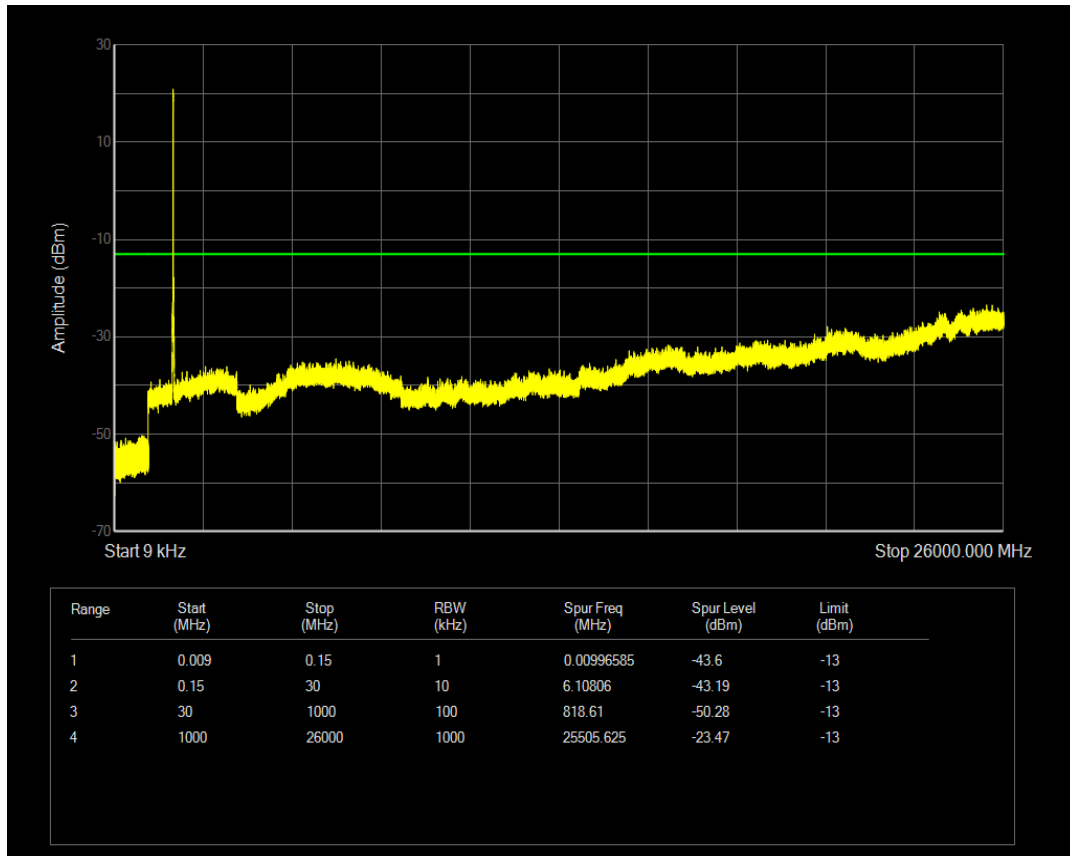
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



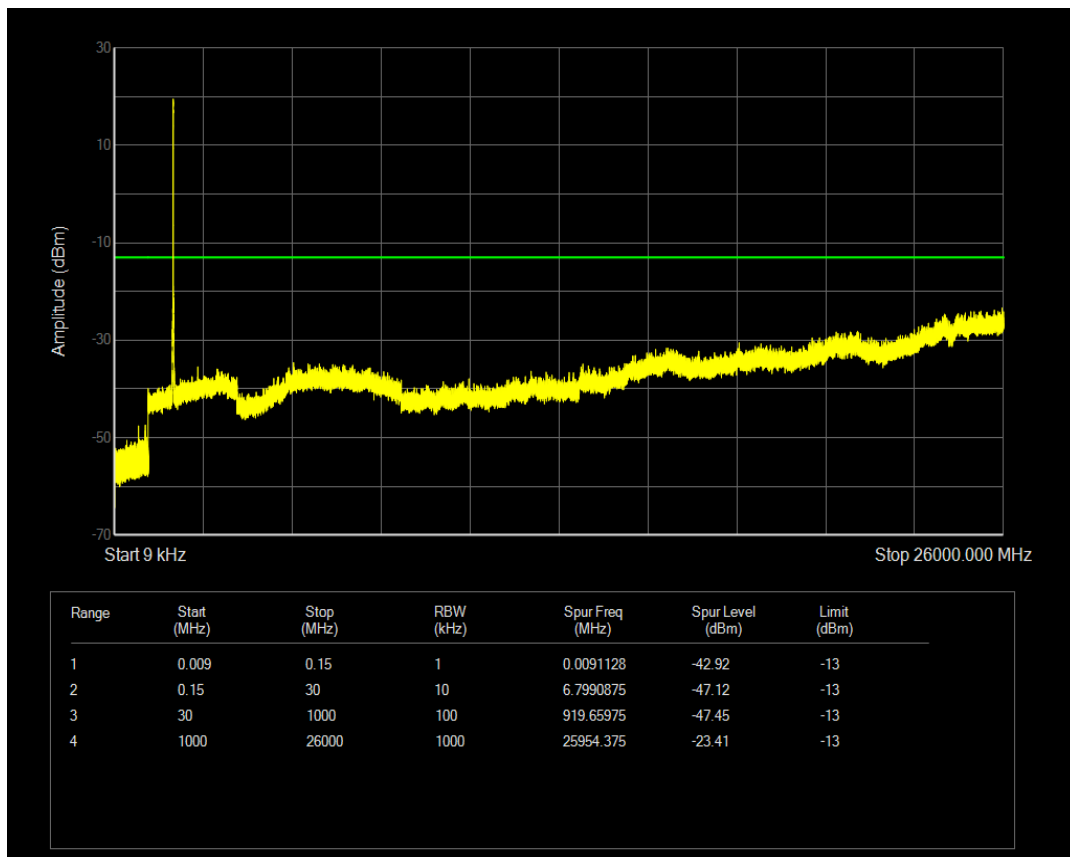
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



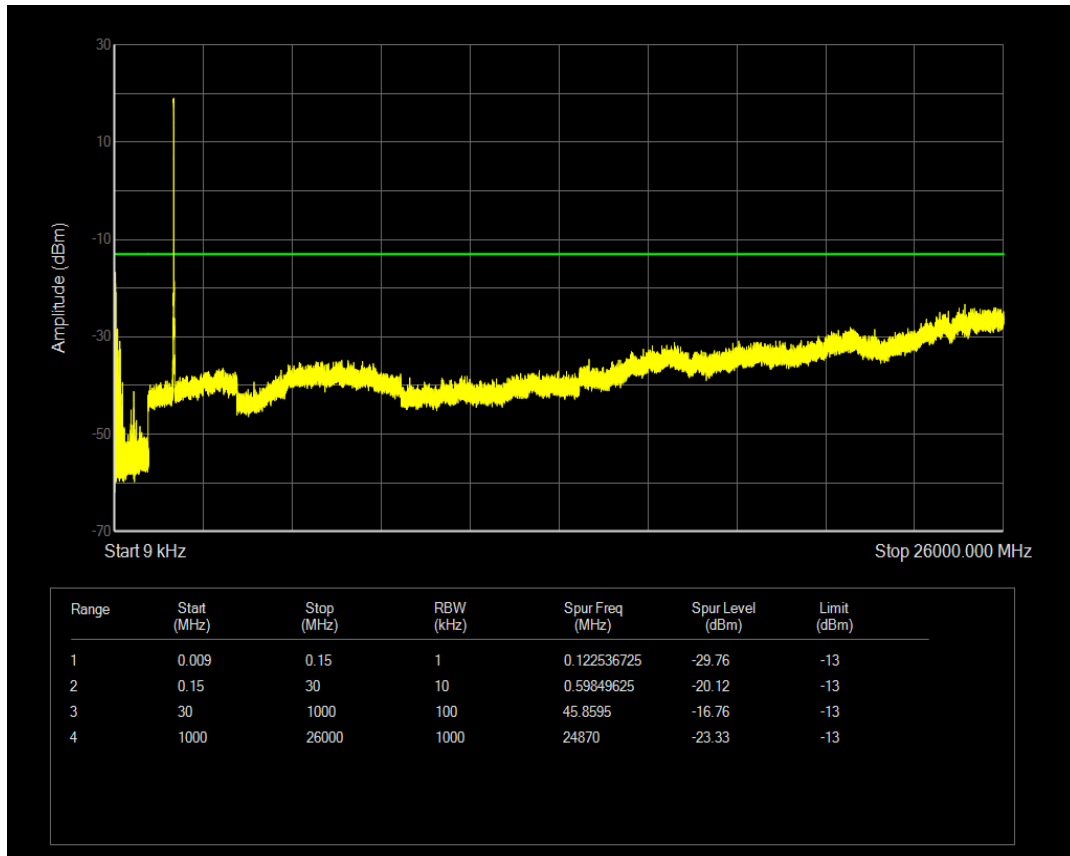
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



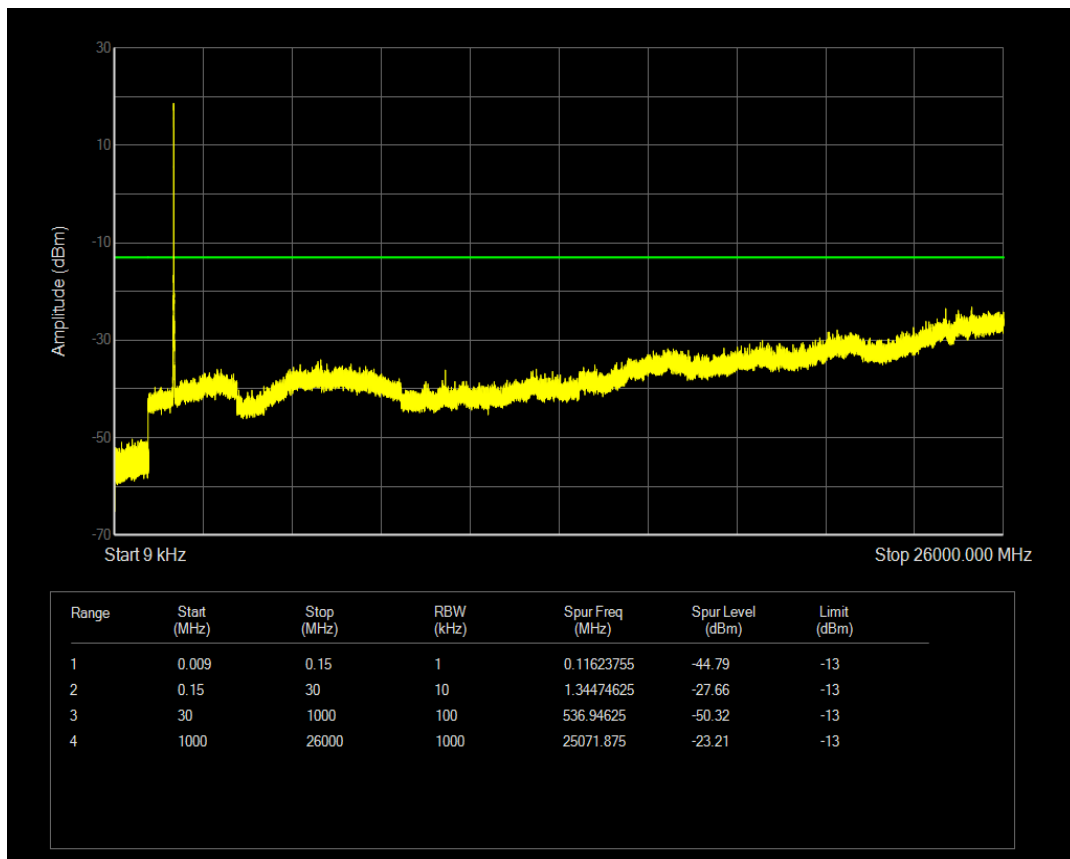
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



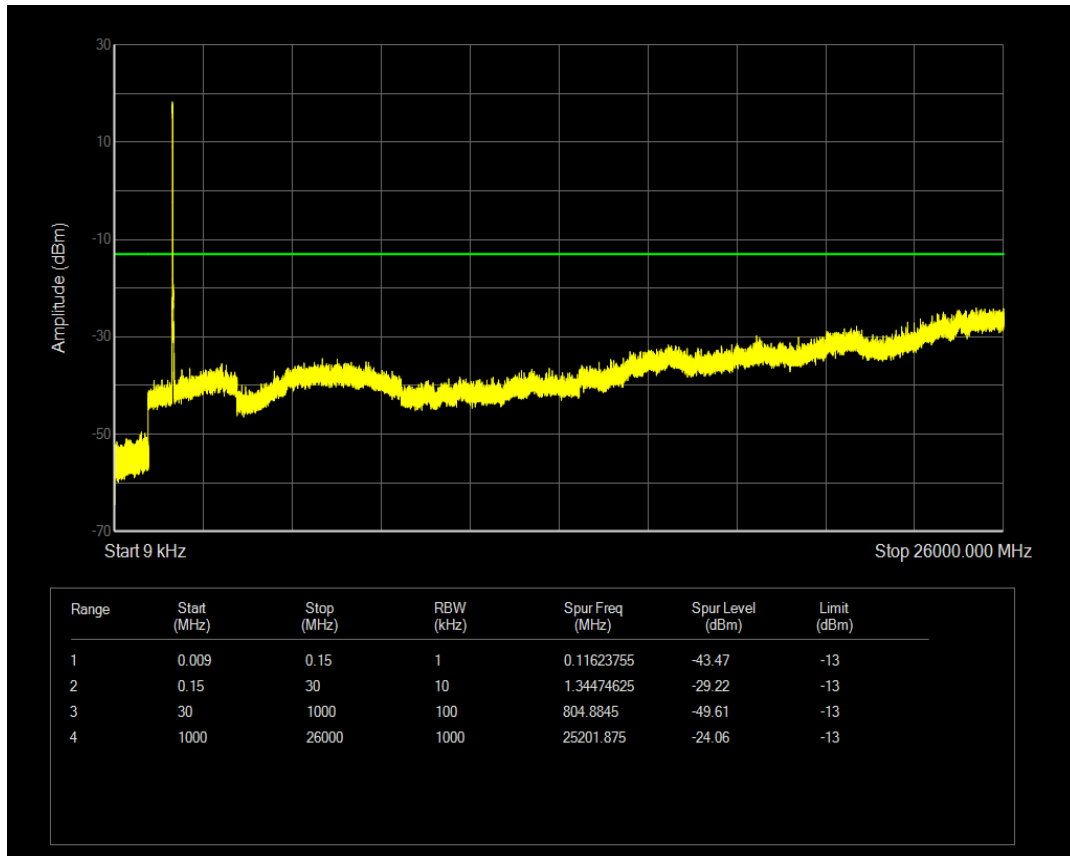
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



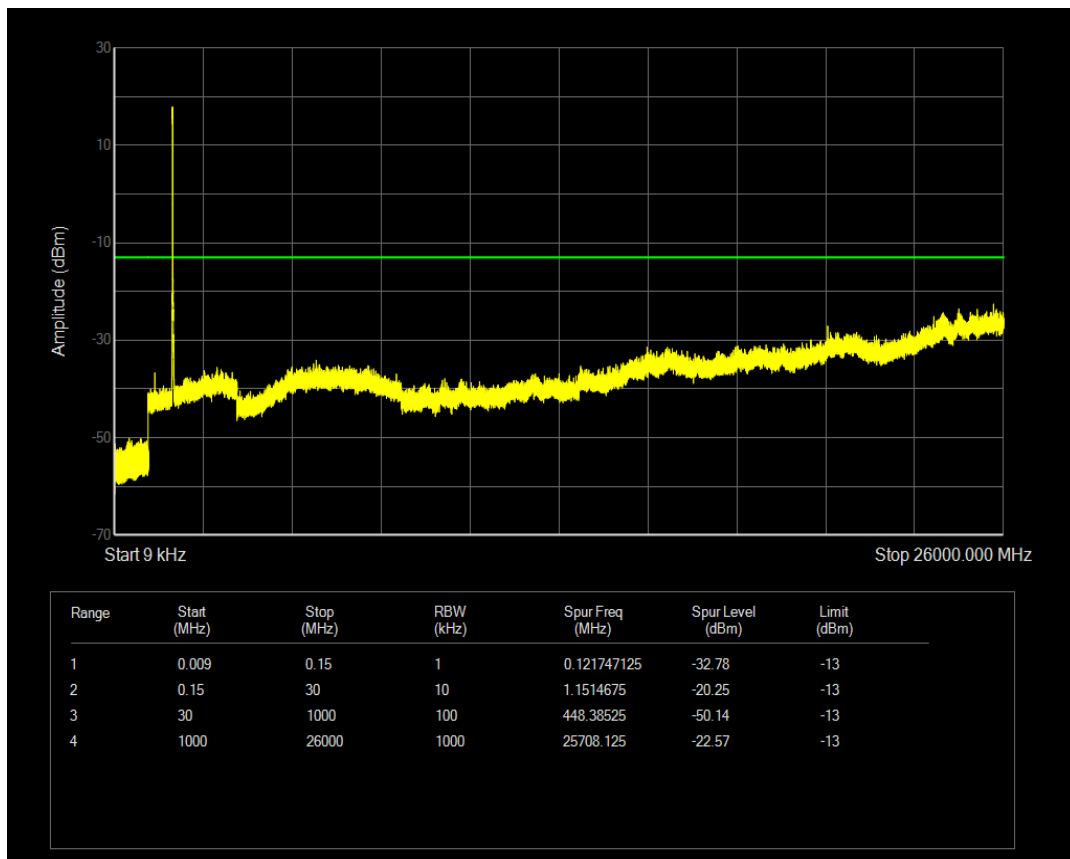
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



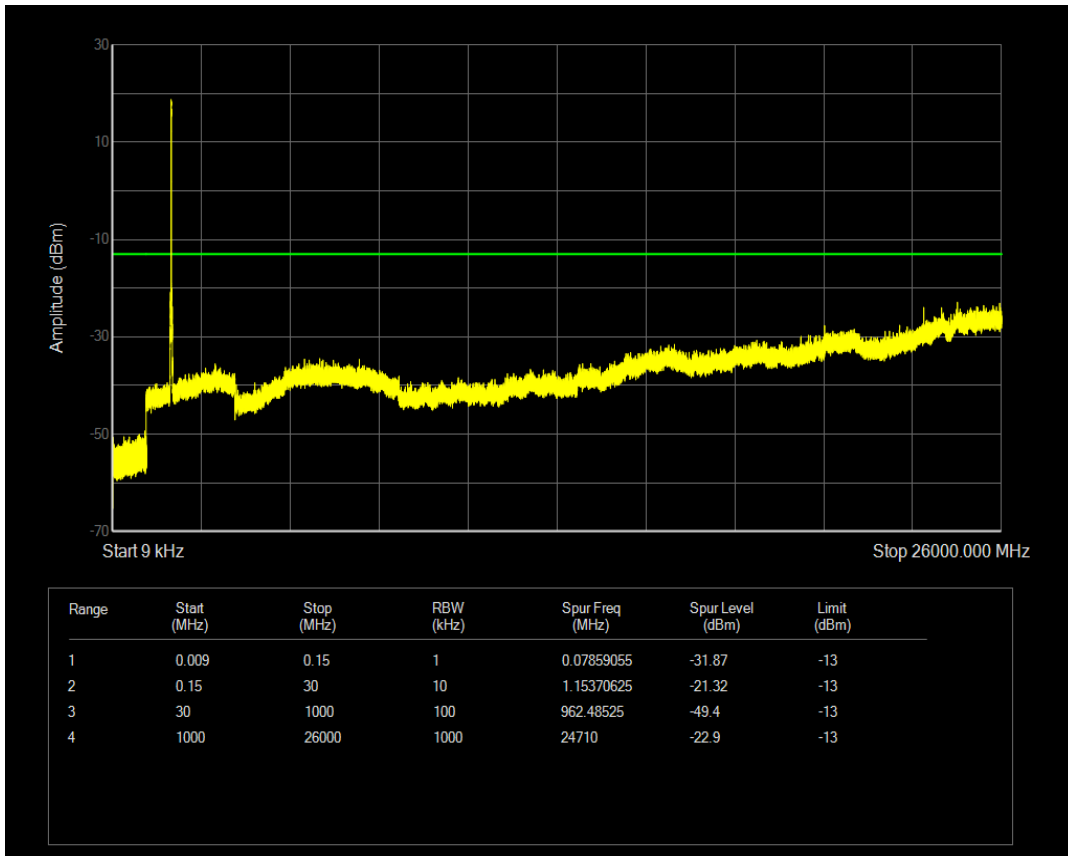
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



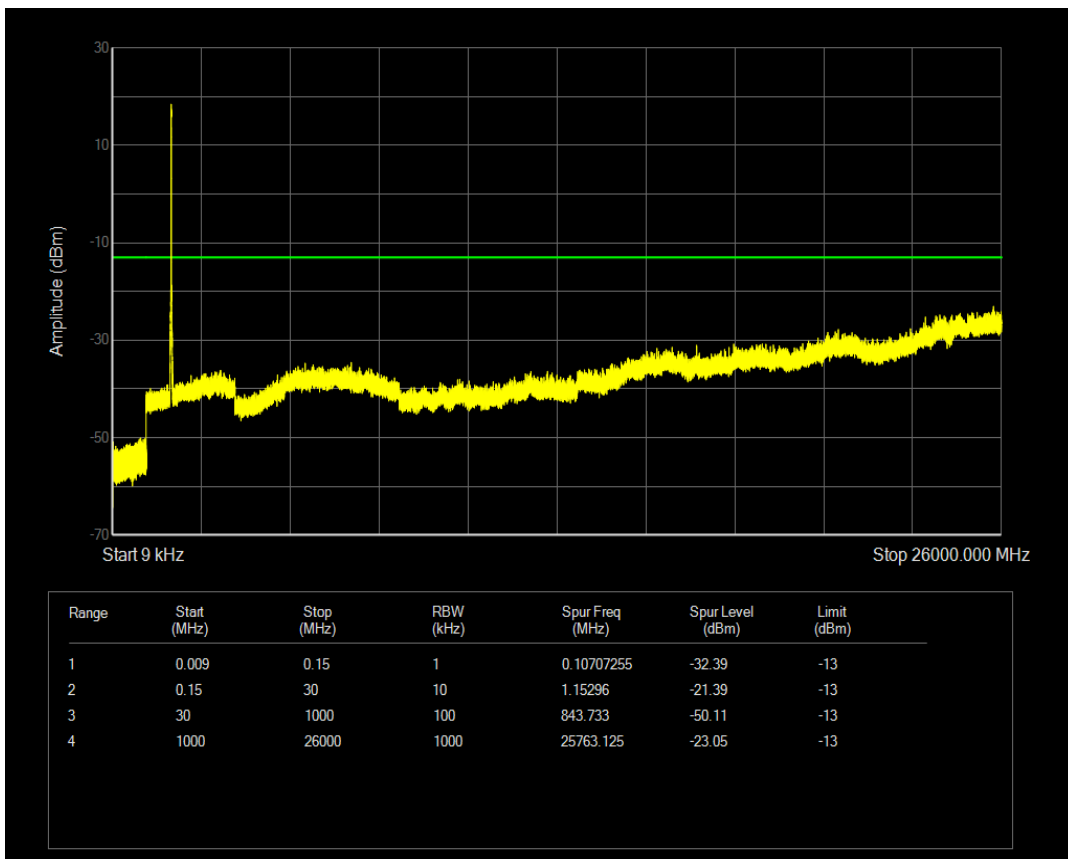
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



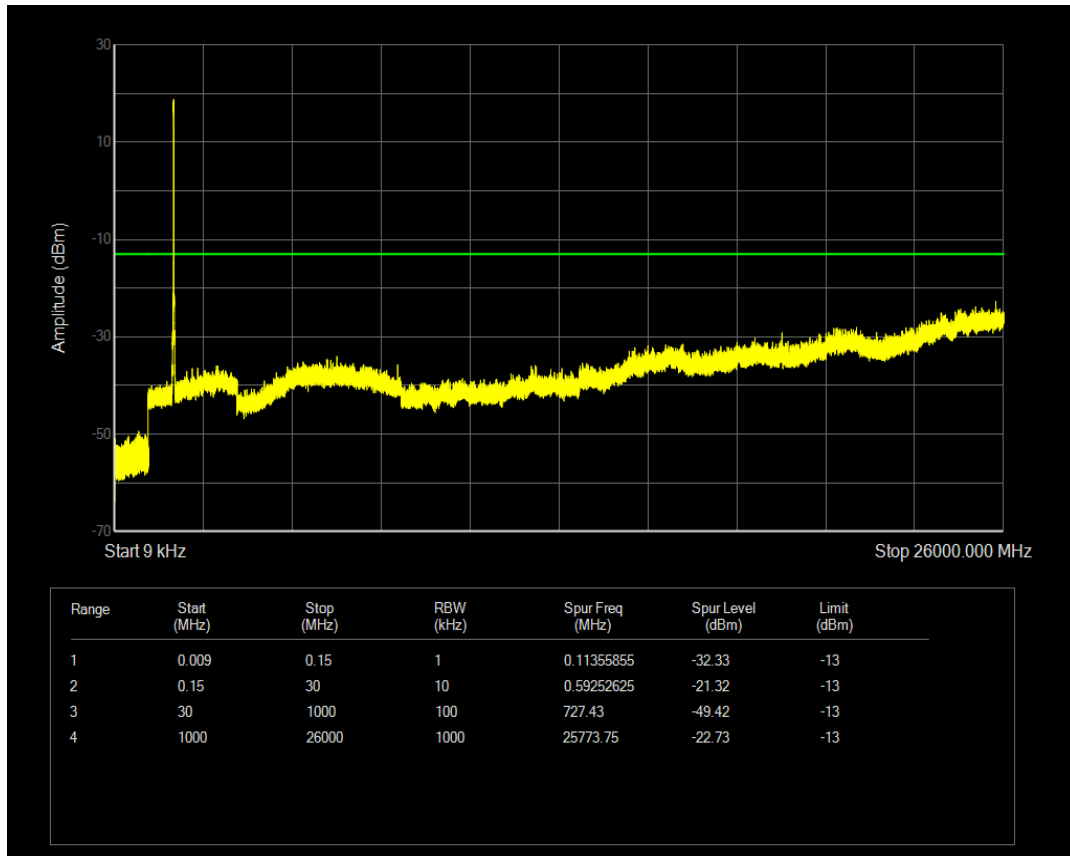
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



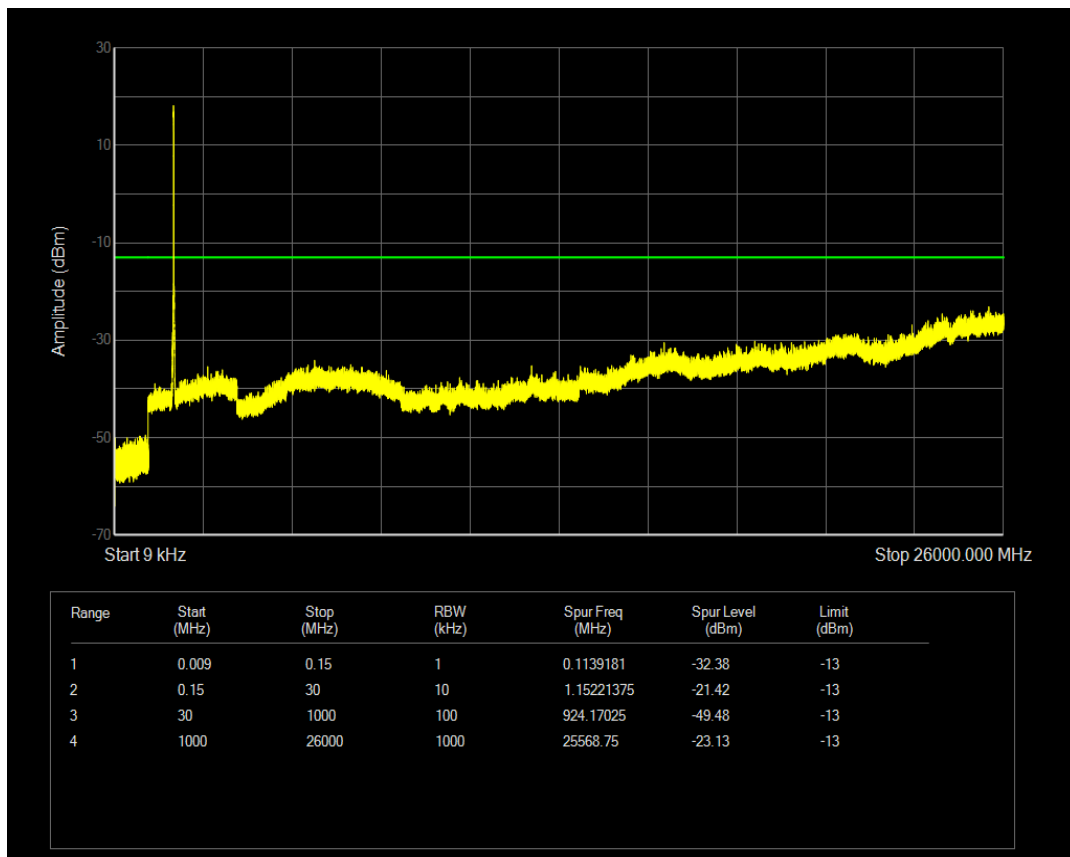
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



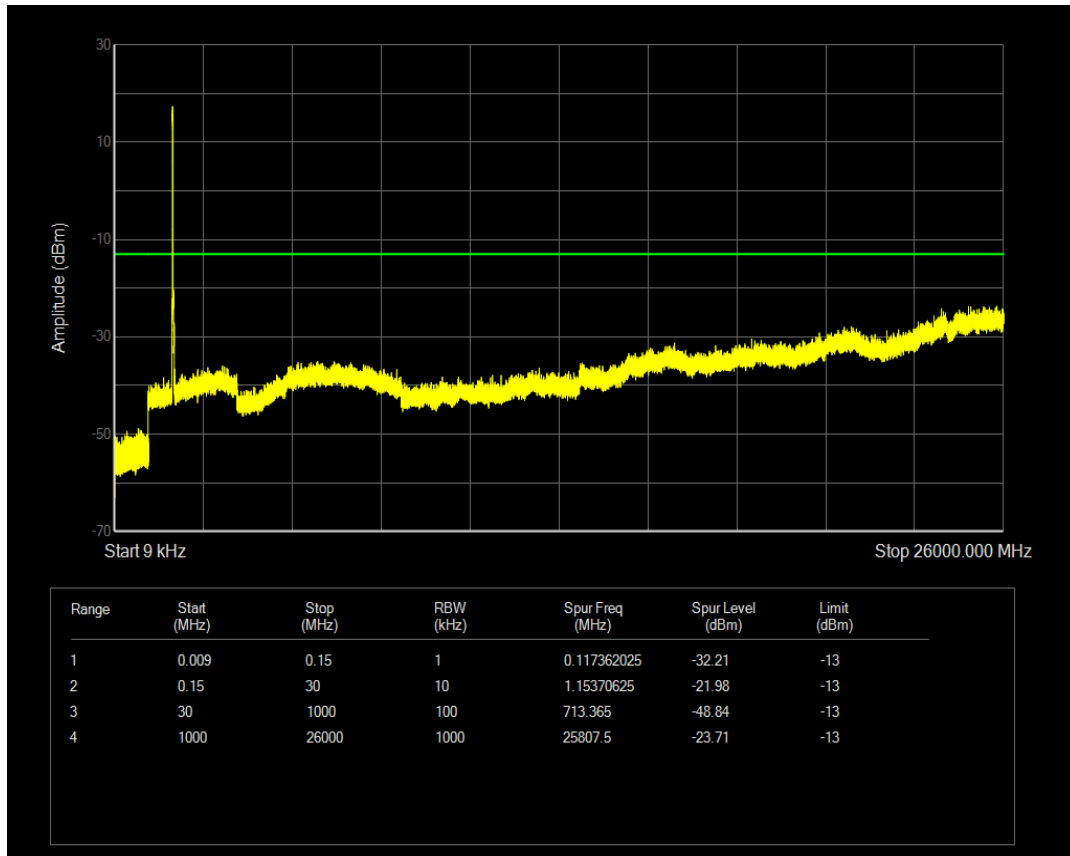
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



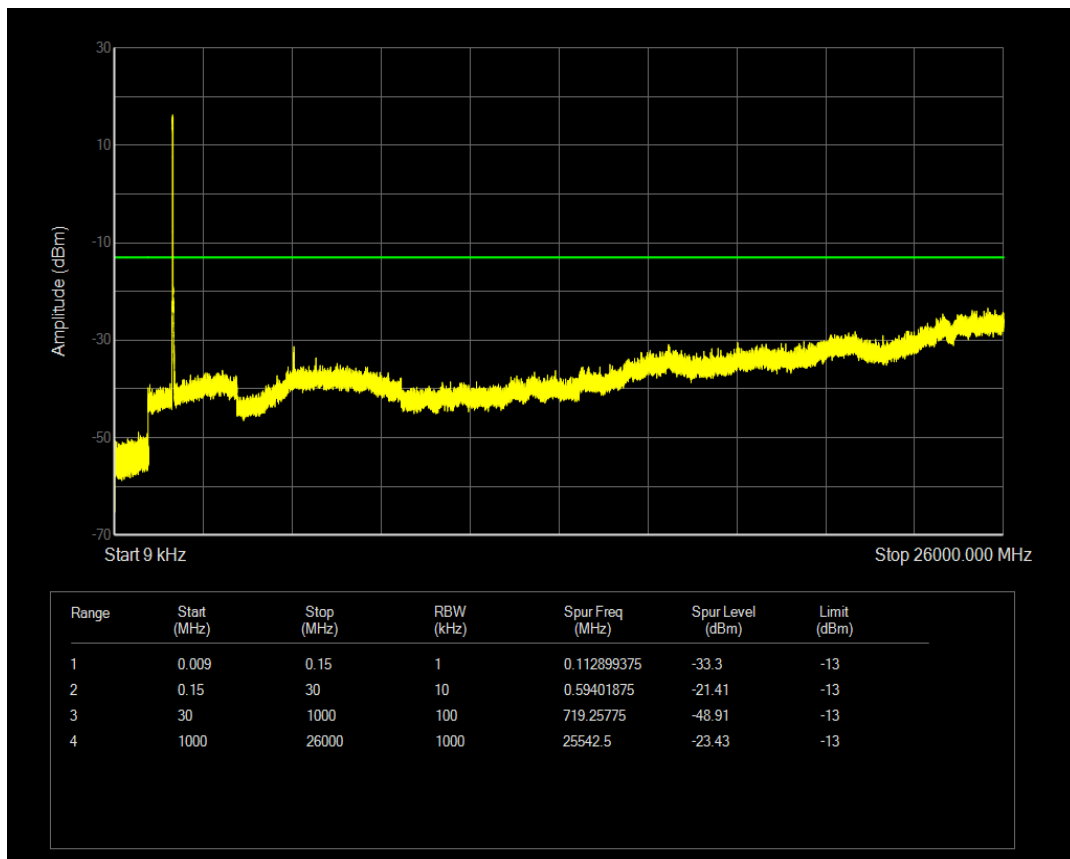
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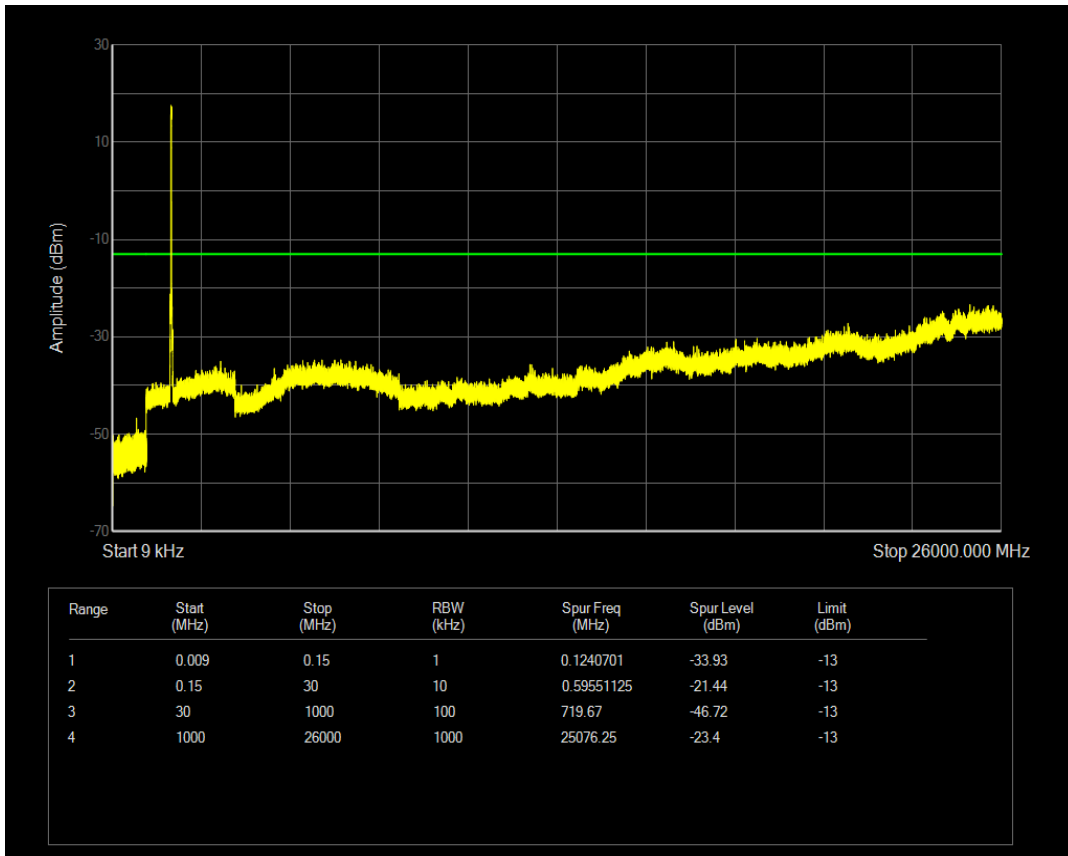
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



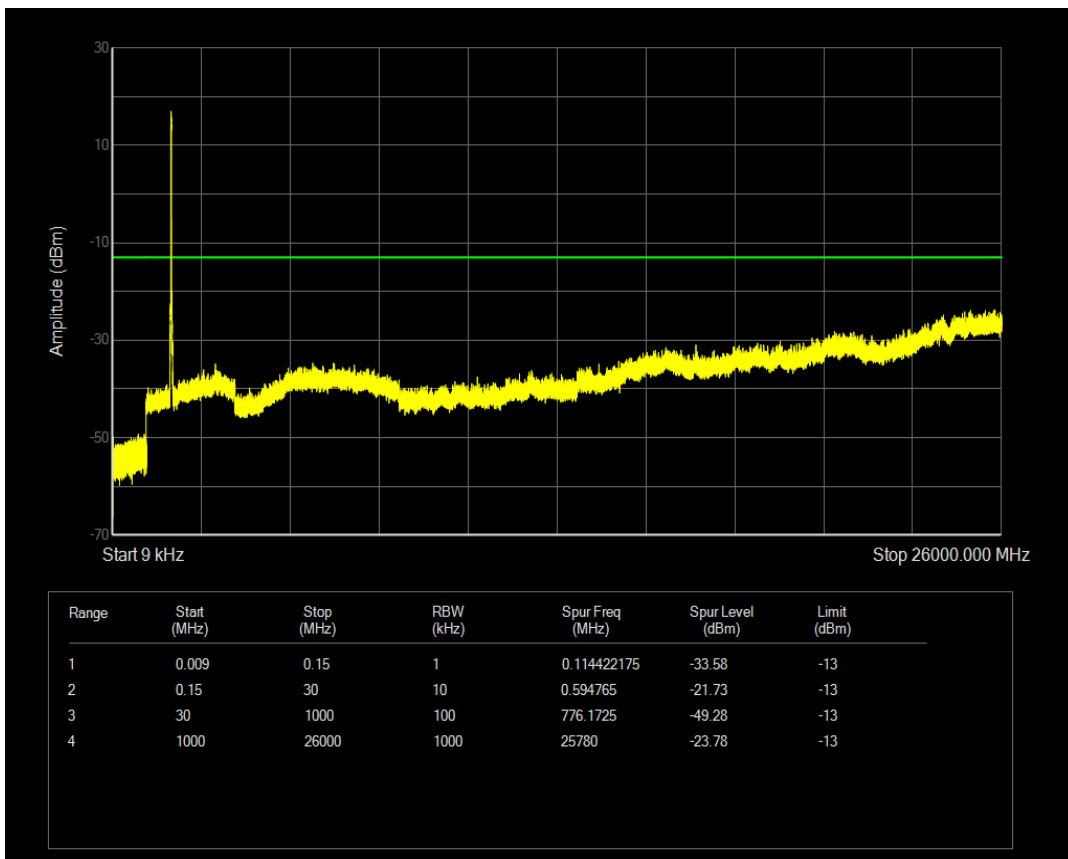
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



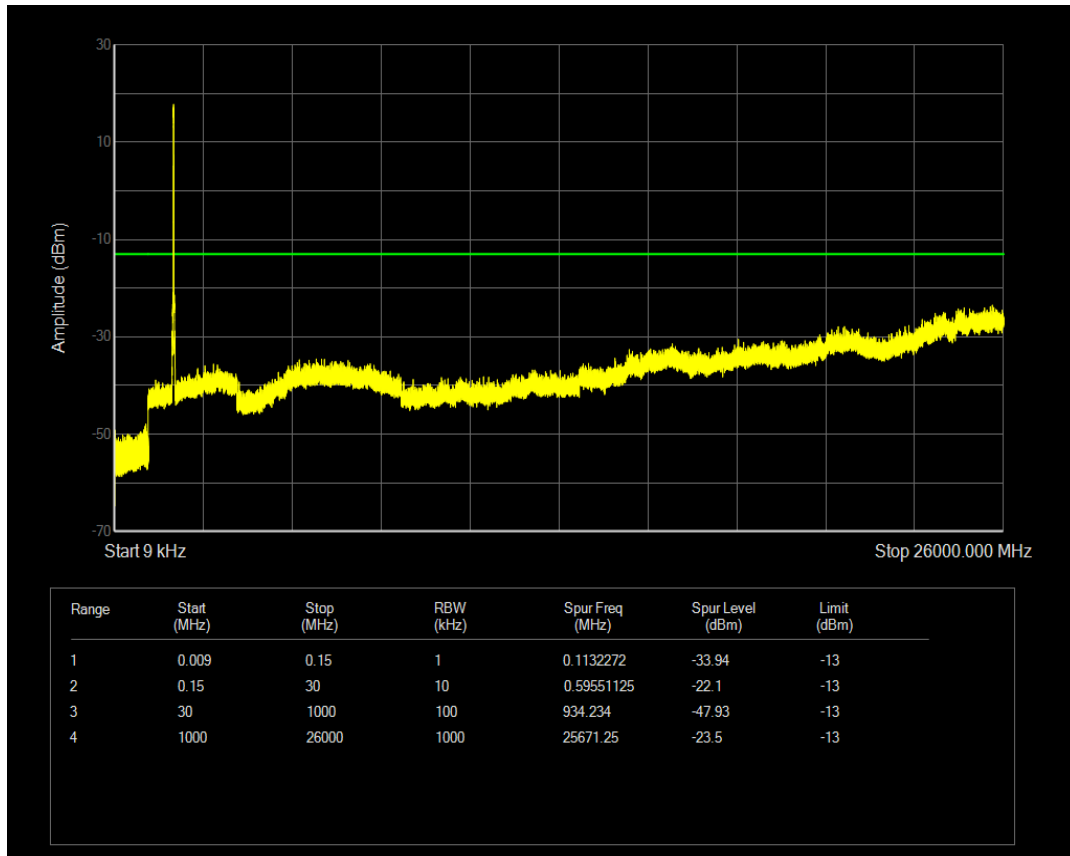
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



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

