

Appendix for Band 4

Report No.: BCTC2501387884-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

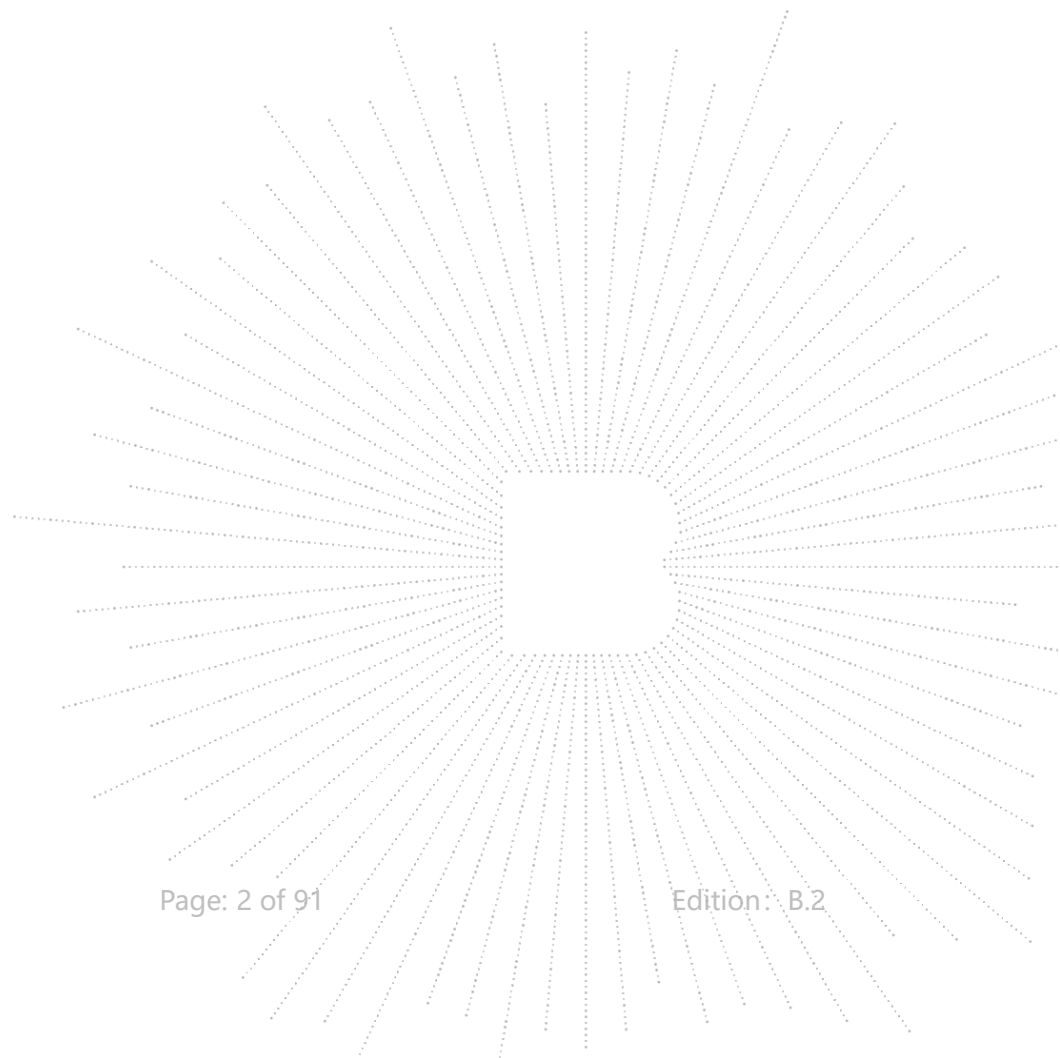
Test Model: C60

Tested Date: 2025-01-03 to 2025-02-25

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2. Frequency stability.....	10
Appendix 3. Peak-to-Average Ratio	22
Appendix 4. Occupied bandwidth	41
Appendix 5. Band edge	60
Appendix 6. Out-of-band emissions	73



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	25.63	1.24	26.87	PASS
Band4	1.4	19957	1	#Mid	QPSK	25.67	1.24	26.91	PASS
Band4	1.4	19957	1	#Max	QPSK	25.66	1.24	26.90	PASS
Band4	1.4	19957	3	#0	QPSK	25.81	1.24	27.05	PASS
Band4	1.4	19957	3	#Mid	QPSK	25.86	1.24	27.10	PASS
Band4	1.4	19957	3	#Max	QPSK	25.82	1.24	27.06	PASS
Band4	1.4	19957	6	#0	QPSK	24.65	1.24	25.89	PASS
Band4	1.4	19957	1	#0	16QAM	25.31	1.24	26.55	PASS
Band4	1.4	19957	1	#Mid	16QAM	25.40	1.24	26.64	PASS
Band4	1.4	19957	1	#Max	16QAM	25.36	1.24	26.60	PASS
Band4	1.4	19957	3	#0	16QAM	24.83	1.24	26.07	PASS
Band4	1.4	19957	3	#Mid	16QAM	24.83	1.24	26.07	PASS
Band4	1.4	19957	3	#Max	16QAM	24.82	1.24	26.06	PASS
Band4	1.4	19957	6	#0	16QAM	23.75	1.24	24.99	PASS
Band4	1.4	20175	1	#0	QPSK	25.79	1.24	27.03	PASS
Band4	1.4	20175	1	#Mid	QPSK	25.82	1.24	27.06	PASS
Band4	1.4	20175	1	#Max	QPSK	25.79	1.24	27.03	PASS
Band4	1.4	20175	3	#0	QPSK	25.81	1.24	27.05	PASS
Band4	1.4	20175	3	#Mid	QPSK	25.77	1.24	27.01	PASS
Band4	1.4	20175	3	#Max	QPSK	25.81	1.24	27.05	PASS
Band4	1.4	20175	6	#0	QPSK	24.73	1.24	25.97	PASS
Band4	1.4	20175	1	#0	16QAM	24.63	1.24	25.87	PASS
Band4	1.4	20175	1	#Mid	16QAM	24.76	1.24	26.00	PASS
Band4	1.4	20175	1	#Max	16QAM	24.74	1.24	25.98	PASS
Band4	1.4	20175	3	#0	16QAM	24.80	1.24	26.04	PASS
Band4	1.4	20175	3	#Mid	16QAM	24.76	1.24	26.00	PASS
Band4	1.4	20175	3	#Max	16QAM	24.79	1.24	26.03	PASS
Band4	1.4	20175	6	#0	16QAM	23.85	1.24	25.09	PASS
Band4	1.4	20393	1	#0	QPSK	26.14	1.24	27.38	PASS
Band4	1.4	20393	1	#Mid	QPSK	26.18	1.24	27.42	PASS
Band4	1.4	20393	1	#Max	QPSK	26.15	1.24	27.39	PASS
Band4	1.4	20393	3	#0	QPSK	26.11	1.24	27.35	PASS
Band4	1.4	20393	3	#Mid	QPSK	26.04	1.24	27.28	PASS
Band4	1.4	20393	3	#Max	QPSK	26.00	1.24	27.24	PASS
Band4	1.4	20393	6	#0	QPSK	25.08	1.24	26.32	PASS
Band4	1.4	20393	1	#0	16QAM	25.56	1.24	26.80	PASS

Band4	1.4	20393	1	#Mid	16QAM	25.64	1.24	26.88	PASS
Band4	1.4	20393	1	#Max	16QAM	25.61	1.24	26.85	PASS
Band4	1.4	20393	3	#0	16QAM	25.07	1.24	26.31	PASS
Band4	1.4	20393	3	#Mid	16QAM	25.12	1.24	26.36	PASS
Band4	1.4	20393	3	#Max	16QAM	24.99	1.24	26.23	PASS
Band4	1.4	20393	6	#0	16QAM	23.88	1.24	25.12	PASS
Band4	3	19965	1	#0	QPSK	25.68	1.24	26.92	PASS
Band4	3	19965	1	#Mid	QPSK	25.75	1.24	26.99	PASS
Band4	3	19965	1	#Max	QPSK	25.59	1.24	26.83	PASS
Band4	3	19965	8	#0	QPSK	24.72	1.24	25.96	PASS
Band4	3	19965	8	#Mid	QPSK	24.78	1.24	26.02	PASS
Band4	3	19965	8	#Max	QPSK	24.62	1.24	25.86	PASS
Band4	3	19965	15	#0	QPSK	24.84	1.24	26.08	PASS
Band4	3	19965	1	#0	16QAM	25.79	1.24	27.03	PASS
Band4	3	19965	1	#Mid	16QAM	25.78	1.24	27.02	PASS
Band4	3	19965	1	#Max	16QAM	25.69	1.24	26.93	PASS
Band4	3	19965	8	#0	16QAM	23.73	1.24	24.97	PASS
Band4	3	19965	8	#Mid	16QAM	23.72	1.24	24.96	PASS
Band4	3	19965	8	#Max	16QAM	23.55	1.24	24.79	PASS
Band4	3	19965	15	#0	16QAM	23.89	1.24	25.13	PASS
Band4	3	20175	1	#0	QPSK	25.76	1.24	27.00	PASS
Band4	3	20175	1	#Mid	QPSK	25.80	1.24	27.04	PASS
Band4	3	20175	1	#Max	QPSK	25.79	1.24	27.03	PASS
Band4	3	20175	8	#0	QPSK	24.62	1.24	25.86	PASS
Band4	3	20175	8	#Mid	QPSK	24.75	1.24	25.99	PASS
Band4	3	20175	8	#Max	QPSK	24.80	1.24	26.04	PASS
Band4	3	20175	15	#0	QPSK	24.81	1.24	26.05	PASS
Band4	3	20175	1	#0	16QAM	24.76	1.24	26.00	PASS
Band4	3	20175	1	#Mid	16QAM	24.82	1.24	26.06	PASS
Band4	3	20175	1	#Max	16QAM	24.83	1.24	26.07	PASS
Band4	3	20175	8	#0	16QAM	23.79	1.24	25.03	PASS
Band4	3	20175	8	#Mid	16QAM	23.88	1.24	25.12	PASS
Band4	3	20175	8	#Max	16QAM	23.92	1.24	25.16	PASS
Band4	3	20175	15	#0	16QAM	23.78	1.24	25.02	PASS
Band4	3	20385	1	#0	QPSK	26.13	1.24	27.37	PASS
Band4	3	20385	1	#Mid	QPSK	26.20	1.24	27.44	PASS
Band4	3	20385	1	#Max	QPSK	26.24	1.24	27.48	PASS
Band4	3	20385	8	#0	QPSK	25.03	1.24	26.27	PASS
Band4	3	20385	8	#Mid	QPSK	24.96	1.24	26.20	PASS
Band4	3	20385	8	#Max	QPSK	24.96	1.24	26.20	PASS
Band4	3	20385	15	#0	QPSK	24.94	1.24	26.18	PASS
Band4	3	20385	1	#0	16QAM	24.65	1.24	25.89	PASS
Band4	3	20385	1	#Mid	16QAM	24.55	1.24	25.79	PASS

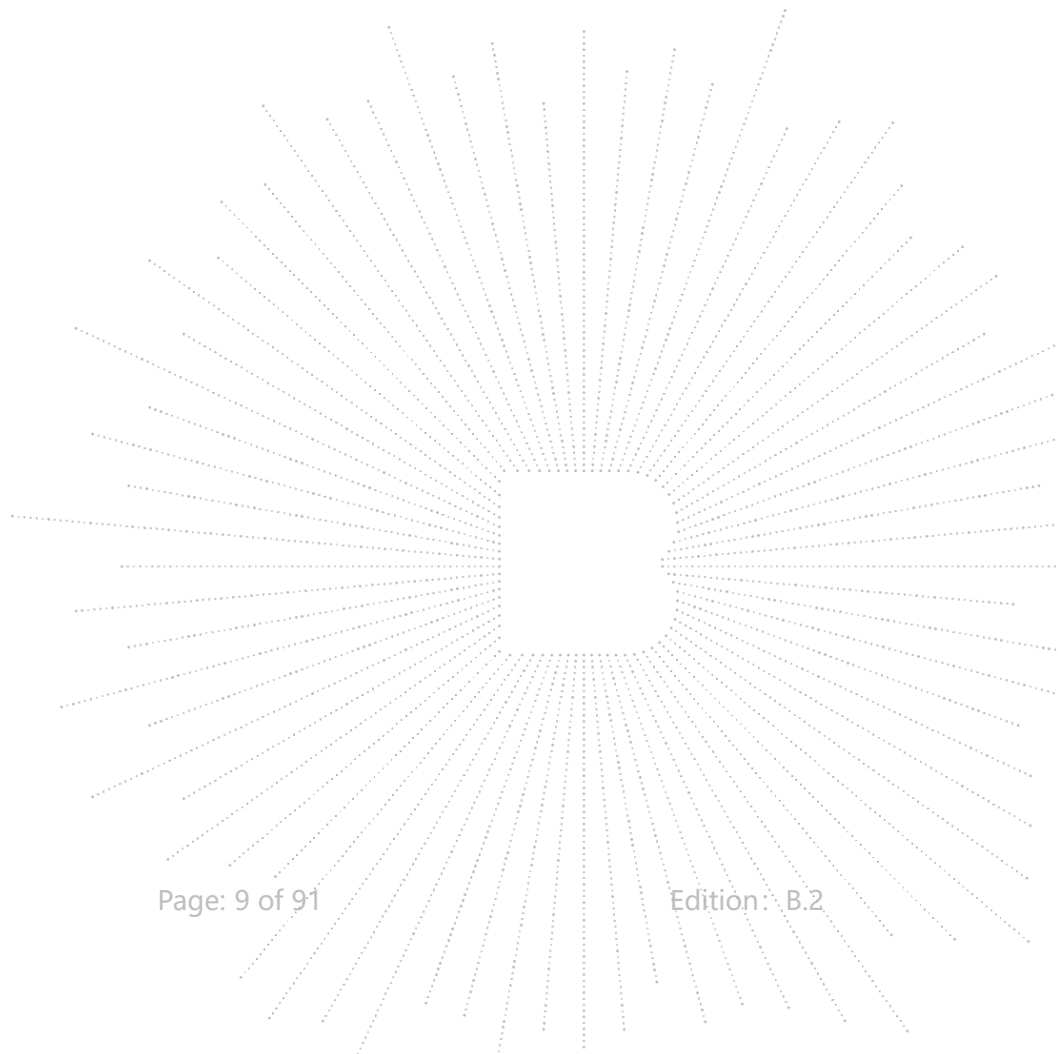
Band4	3	20385	1	#Max	16QAM	24.65	1.24	25.89	PASS
Band4	3	20385	8	#0	16QAM	24.09	1.24	25.33	PASS
Band4	3	20385	8	#Mid	16QAM	24.14	1.24	25.38	PASS
Band4	3	20385	8	#Max	16QAM	24.23	1.24	25.47	PASS
Band4	3	20385	15	#0	16QAM	24.01	1.24	25.25	PASS
Band4	5	19975	1	#0	QPSK	23.81	1.24	25.05	PASS
Band4	5	19975	1	#Mid	QPSK	23.63	1.24	24.87	PASS
Band4	5	19975	1	#Max	QPSK	25.67	1.24	26.91	PASS
Band4	5	19975	12	#0	QPSK	24.81	1.24	26.05	PASS
Band4	5	19975	12	#Mid	QPSK	24.63	1.24	25.87	PASS
Band4	5	19975	12	#Max	QPSK	24.69	1.24	25.93	PASS
Band4	5	19975	25	#0	QPSK	24.66	1.24	25.90	PASS
Band4	5	19975	1	#0	16QAM	23.63	1.24	24.87	PASS
Band4	5	19975	1	#Mid	16QAM	24.71	1.24	25.95	PASS
Band4	5	19975	1	#Max	16QAM	23.63	1.24	24.87	PASS
Band4	5	19975	12	#0	16QAM	23.81	1.24	25.05	PASS
Band4	5	19975	12	#Mid	16QAM	23.63	1.24	24.87	PASS
Band4	5	19975	12	#Max	16QAM	23.58	1.24	24.82	PASS
Band4	5	19975	25	#0	16QAM	23.82	1.24	25.06	PASS
Band4	5	20175	1	#0	QPSK	24.86	1.24	26.10	PASS
Band4	5	20175	1	#Mid	QPSK	24.78	1.24	26.02	PASS
Band4	5	20175	1	#Max	QPSK	24.86	1.24	26.10	PASS
Band4	5	20175	12	#0	QPSK	24.74	1.24	25.98	PASS
Band4	5	20175	12	#Mid	QPSK	24.78	1.24	26.02	PASS
Band4	5	20175	12	#Max	QPSK	24.86	1.24	26.10	PASS
Band4	5	20175	25	#0	QPSK	24.78	1.24	26.02	PASS
Band4	5	20175	1	#0	16QAM	24.66	1.24	25.90	PASS
Band4	5	20175	1	#Mid	16QAM	23.63	1.24	24.87	PASS
Band4	5	20175	1	#Max	16QAM	24.71	1.24	25.95	PASS
Band4	5	20175	12	#0	16QAM	23.60	1.24	24.84	PASS
Band4	5	20175	12	#Mid	16QAM	23.67	1.24	24.91	PASS
Band4	5	20175	12	#Max	16QAM	23.64	1.24	24.88	PASS
Band4	5	20175	25	#0	16QAM	23.88	1.24	25.12	PASS
Band4	5	20375	1	#0	QPSK	25.03	1.24	26.27	PASS
Band4	5	20375	1	#Mid	QPSK	24.92	1.24	26.16	PASS
Band4	5	20375	1	#Max	QPSK	25.00	1.24	26.24	PASS
Band4	5	20375	12	#0	QPSK	25.03	1.24	26.27	PASS
Band4	5	20375	12	#Mid	QPSK	24.92	1.24	26.16	PASS
Band4	5	20375	12	#Max	QPSK	25.00	1.24	26.24	PASS
Band4	5	20375	25	#0	QPSK	25.00	1.24	26.24	PASS
Band4	5	20375	1	#0	16QAM	23.58	1.24	24.82	PASS
Band4	5	20375	1	#Mid	16QAM	23.82	1.24	25.06	PASS
Band4	5	20375	1	#Max	16QAM	24.86	1.24	26.10	PASS

Band4	5	20375	12	#0	16QAM	24.06	1.24	25.30	PASS
Band4	5	20375	12	#Mid	16QAM	24.00	1.24	25.24	PASS
Band4	5	20375	12	#Max	16QAM	24.01	1.24	25.25	PASS
Band4	5	20375	25	#0	16QAM	24.09	1.24	25.33	PASS
Band4	10	20000	1	#0	QPSK	23.58	1.24	24.82	PASS
Band4	10	20000	1	#Mid	QPSK	23.82	1.24	25.06	PASS
Band4	10	20000	1	#Max	QPSK	24.70	1.24	1.24	PASS
Band4	10	20000	25	#0	QPSK	24.63	1.24	25.87	PASS
Band4	10	20000	25	#Mid	QPSK	24.70	1.24	25.94	PASS
Band4	10	20000	25	#Max	QPSK	24.70	1.24	25.94	PASS
Band4	10	20000	50	#0	QPSK	24.73	1.24	25.97	PASS
Band4	10	20000	1	#0	16QAM	24.70	1.24	25.94	PASS
Band4	10	20000	1	#Mid	16QAM	24.73	1.24	25.97	PASS
Band4	10	20000	1	#Max	16QAM	24.70	1.24	25.94	PASS
Band4	10	20000	25	#0	16QAM	23.71	1.24	24.95	PASS
Band4	10	20000	25	#Mid	16QAM	23.74	1.24	24.98	PASS
Band4	10	20000	25	#Max	16QAM	23.82	1.24	25.06	PASS
Band4	10	20000	50	#0	16QAM	23.72	1.24	24.96	PASS
Band4	10	20175	1	#0	QPSK	24.73	1.24	24.73	PASS
Band4	10	20175	1	#Mid	QPSK	24.77	1.24	24.77	PASS
Band4	10	20175	1	#Max	QPSK	24.79	1.24	24.79	PASS
Band4	10	20175	25	#0	QPSK	24.73	1.24	25.97	PASS
Band4	10	20175	25	#Mid	QPSK	24.77	1.24	26.01	PASS
Band4	10	20175	25	#Max	QPSK	24.79	1.24	26.03	PASS
Band4	10	20175	50	#0	QPSK	24.78	1.24	26.02	PASS
Band4	10	20175	1	#0	16QAM	23.72	1.24	24.96	PASS
Band4	10	20175	1	#Mid	16QAM	24.73	1.24	24.73	PASS
Band4	10	20175	1	#Max	16QAM	24.77	1.24	24.77	PASS
Band4	10	20175	25	#0	16QAM	23.75	1.24	24.99	PASS
Band4	10	20175	25	#Mid	16QAM	23.88	1.24	25.12	PASS
Band4	10	20175	25	#Max	16QAM	23.78	1.24	25.02	PASS
Band4	10	20175	50	#0	16QAM	23.84	1.24	25.08	PASS
Band4	10	20350	1	#0	QPSK	23.72	1.24	24.96	PASS
Band4	10	20350	1	#Mid	QPSK	24.73	1.24	24.73	PASS
Band4	10	20350	1	#Max	QPSK	24.77	1.24	24.77	PASS
Band4	10	20350	25	#0	QPSK	24.99	1.24	26.23	PASS
Band4	10	20350	25	#Mid	QPSK	25.07	1.24	26.31	PASS
Band4	10	20350	25	#Max	QPSK	24.93	1.24	26.17	PASS
Band4	10	20350	50	#0	QPSK	24.99	1.24	26.23	PASS
Band4	10	20350	1	#0	16QAM	24.77	1.24	26.01	PASS
Band4	10	20350	1	#Mid	16QAM	24.79	1.24	26.03	PASS
Band4	10	20350	1	#Max	16QAM	24.78	1.24	26.02	PASS
Band4	10	20350	25	#0	16QAM	24.07	1.24	25.31	PASS

Band4	10	20350	25	#Mid	16QAM	24.11	1.24	25.35	PASS
Band4	10	20350	25	#Max	16QAM	24.07	1.24	25.31	PASS
Band4	10	20350	50	#0	16QAM	23.97	1.24	25.21	PASS
Band4	15	20025	1	#0	QPSK	24.07	1.24	25.31	PASS
Band4	15	20025	1	#Mid	QPSK	24.11	1.24	25.35	PASS
Band4	15	20025	1	#Max	QPSK	24.07	1.24	25.31	PASS
Band4	15	20025	36	#0	QPSK	24.67	1.24	25.91	PASS
Band4	15	20025	36	#Mid	QPSK	24.68	1.24	25.92	PASS
Band4	15	20025	36	#Max	QPSK	24.58	1.24	25.82	PASS
Band4	15	20025	75	#0	QPSK	24.72	1.24	25.96	PASS
Band4	15	20025	1	#0	16QAM	24.68	1.24	25.92	PASS
Band4	15	20025	1	#Mid	16QAM	24.58	1.24	25.82	PASS
Band4	15	20025	1	#Max	16QAM	24.72	1.24	25.96	PASS
Band4	15	20025	36	#0	16QAM	23.70	1.24	24.94	PASS
Band4	15	20025	36	#Mid	16QAM	23.78	1.24	25.02	PASS
Band4	15	20025	36	#Max	16QAM	23.71	1.24	24.95	PASS
Band4	15	20025	75	#0	16QAM	23.67	1.24	24.91	PASS
Band4	15	20175	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	15	20175	1	#Mid	QPSK	24.01	1.24	25.25	PASS
Band4	15	20175	1	#Max	QPSK	24.09	1.24	25.33	PASS
Band4	15	20175	36	#0	QPSK	24.72	1.24	25.96	PASS
Band4	15	20175	36	#Mid	QPSK	24.83	1.24	26.07	PASS
Band4	15	20175	36	#Max	QPSK	24.82	1.24	26.06	PASS
Band4	15	20175	75	#0	QPSK	24.76	1.24	26.00	PASS
Band4	15	20175	1	#0	16QAM	24.58	1.24	25.82	PASS
Band4	15	20175	1	#Mid	16QAM	24.72	1.24	25.96	PASS
Band4	15	20175	1	#Max	16QAM	24.68	1.24	25.92	PASS
Band4	15	20175	36	#0	16QAM	23.81	1.24	25.05	PASS
Band4	15	20175	36	#Mid	16QAM	23.93	1.24	25.17	PASS
Band4	15	20175	36	#Max	16QAM	23.92	1.24	25.16	PASS
Band4	15	20175	75	#0	16QAM	23.78	1.24	25.02	PASS
Band4	15	20325	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	15	20325	1	#Mid	QPSK	24.01	1.24	25.25	PASS
Band4	15	20325	1	#Max	QPSK	24.09	1.24	25.33	PASS
Band4	15	20325	36	#0	QPSK	24.96	1.24	26.20	PASS
Band4	15	20325	36	#Mid	QPSK	24.89	1.24	26.13	PASS
Band4	15	20325	36	#Max	QPSK	24.93	1.24	26.17	PASS
Band4	15	20325	75	#0	QPSK	24.93	1.24	26.17	PASS
Band4	15	20325	1	#0	16QAM	24.00	1.24	25.24	PASS
Band4	15	20325	1	#Mid	16QAM	24.01	1.24	25.25	PASS
Band4	15	20325	1	#Max	16QAM	26.00	1.24	27.24	PASS
Band4	15	20325	36	#0	16QAM	23.90	1.24	25.14	PASS
Band4	15	20325	36	#Mid	16QAM	23.95	1.24	25.19	PASS

Band4	15	20325	36	#Max	16QAM	24.01	1.24	25.25	PASS
Band4	15	20325	75	#0	16QAM	24.07	1.24	25.31	PASS
Band4	20	20050	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	20	20050	1	#Mid	QPSK	24.01	1.24	25.25	PASS
Band4	20	20050	1	#Max	QPSK	24.09	1.24	25.33	PASS
Band4	20	20050	50	#0	QPSK	24.65	1.24	25.89	PASS
Band4	20	20050	50	#Mid	QPSK	24.78	1.24	26.02	PASS
Band4	20	20050	50	#Max	QPSK	24.75	1.24	25.99	PASS
Band4	20	20050	100	#0	QPSK	24.73	1.24	25.97	PASS
Band4	20	20050	1	#0	16QAM	24.00	1.24	25.24	PASS
Band4	20	20050	1	#Mid	16QAM	24.01	1.24	25.25	PASS
Band4	20	20050	1	#Max	16QAM	24.09	1.24	25.33	PASS
Band4	20	20050	50	#0	16QAM	23.84	1.24	25.08	PASS
Band4	20	20050	50	#Mid	16QAM	23.81	1.24	25.05	PASS
Band4	20	20050	50	#Max	16QAM	23.74	1.24	24.98	PASS
Band4	20	20050	100	#0	16QAM	23.78	1.24	25.02	PASS
Band4	20	20175	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	20	20175	1	#Mid	QPSK	24.01	1.24	25.25	PASS
Band4	20	20175	1	#Max	QPSK	26.20	1.24	27.44	PASS
Band4	20	20175	50	#0	QPSK	24.73	1.24	25.97	PASS
Band4	20	20175	50	#Mid	QPSK	24.88	1.24	26.12	PASS
Band4	20	20175	50	#Max	QPSK	24.85	1.24	26.09	PASS
Band4	20	20175	100	#0	QPSK	24.85	1.24	26.09	PASS
Band4	20	20175	1	#0	16QAM	24.00	1.24	25.24	PASS
Band4	20	20175	1	#Mid	16QAM	24.01	1.24	25.25	PASS
Band4	20	20175	1	#Max	16QAM	25.01	1.24	26.25	PASS
Band4	20	20175	50	#0	16QAM	23.77	1.24	25.01	PASS
Band4	20	20175	50	#Mid	16QAM	23.87	1.24	25.11	PASS
Band4	20	20175	50	#Max	16QAM	23.93	1.24	25.17	PASS
Band4	20	20175	100	#0	16QAM	23.84	1.24	25.08	PASS
Band4	20	20300	1	#0	QPSK	24.00	1.24	25.24	PASS
Band4	20	20300	1	#Mid	QPSK	24.01	1.24	25.25	PASS
Band4	20	20300	1	#Max	QPSK	24.09	1.24	25.33	PASS
Band4	20	20300	50	#0	QPSK	24.94	1.24	26.18	PASS
Band4	20	20300	50	#Mid	QPSK	25.06	1.24	26.30	PASS
Band4	20	20300	50	#Max	QPSK	25.01	1.24	26.25	PASS
Band4	20	20300	100	#0	QPSK	25.02	1.24	26.26	PASS
Band4	20	20300	1	#0	16QAM	24.00	1.24	25.24	PASS
Band4	20	20300	1	#Mid	16QAM	24.01	1.24	25.25	PASS
Band4	20	20300	1	#Max	16QAM	24.09	1.24	25.33	PASS
Band4	20	20300	50	#0	16QAM	23.94	1.24	25.18	PASS
Band4	20	20300	50	#Mid	16QAM	24.04	1.24	25.28	PASS
Band4	20	20300	50	#Max	16QAM	24.11	1.24	25.35	PASS

Band4	20	20300	100	#0	16QAM	23.98	1.24	25.22	PASS
-------	----	-------	-----	----	-------	-------	------	-------	------



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	LV	NT	-30.84	-0.018	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-14.55	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-21.16	-0.012	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-20.28	-0.012	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-13.56	-0.008	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-4.25	-0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	20.10	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	12.96	0.007	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	10.46	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	8.31	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	4.72	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	2.30	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	-33.55	-0.019	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-39.01	-0.022	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-38.94	-0.022	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-31.04	-0.018	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	-17.72	-0.010	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-1.42	-0.001	-2.5	2.5	PASS

Band 4	3	19965	15	#0	QPSK	LV	NT	-18.7 7	-0.011	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	NT	-25.0 8	-0.01 5	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-32.4 0	-0.01 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-27.7 9	-0.01 6	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-15.8 8	-0.00 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-2.62	-0.00 2	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	10.06	0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	4.31	0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	2.55	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	2.13	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	3.16	0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	6.45	0.004	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-14.0 9	-0.00 8	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	-24.5 3	-0.01 4	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	-23.2 3	-0.01 3	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	-13.0 3	-0.00 7	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	3.22	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	20.43	0.012	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-18.3 8	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-4.22	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-0.39	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	12.93	0.008	-2.5	2.5	PASS

4												
Band 4	5	19975	25	#0	16QAM	NV	NT	29.11	0.017	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	-4.28	-0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	13.66	0.008	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	13.22	0.008	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	7.12	0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	6.81	0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	11.00	0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	13.59	0.008	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	-18.28	-0.010	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	-29.21	-0.017	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-25.22	-0.014	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-13.43	-0.008	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	4.55	0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	20.30	0.012	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-29.53	-0.017	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-5.75	-0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	-9.14	-0.005	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	-1.14	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	-23.72	-0.014	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	-25.16	-0.015	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	25.72	0.015	-2.5	2.5	PASS

Band 4	10	20175	50	#0	QPSK	NV	NT	23.10	0.013	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	HV	NT	21.99	0.013	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	LV	NT	21.20	0.012	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	23.25	0.013	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	24.35	0.014	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-14.7 2	-0.00 8	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	-26.5 5	-0.01 5	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-23.6 9	-0.01 4	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	-9.57	-0.00 5	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	8.94	0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	25.28	0.014	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-21.0 9	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-19.8 4	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-11.64	-0.00 7	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	0.20	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	22.17	0.013	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	33.65	0.020	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	10.26	0.006	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-2.42	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-4.72	-0.00 3	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	-2.46	-0.00 1	-2.5	2.5	PASS
Band	15	20175	75	#0	16QAM	NV	NT	0.24	0.000	-2.5	2.5	PASS

4												
Band 4	15	20175	75	#0	16QAM	HV	NT	3.98	0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-0.94	-0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	-10.73	-0.006	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	0.59	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	16.59	0.009	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	35.85	0.021	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	4.39	0.003	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	-23.23	-0.014	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	-24.86	-0.014	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-21.50	-0.013	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	-14.63	-0.009	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	-4.08	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	-2.72	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-1.86	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-17.45	-0.010	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-25.55	-0.015	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-30.04	-0.017	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	24.08	0.014	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	1.12	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	-13.33	-0.008	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	-20.91	-0.012	-2.5	2.5	PASS

Band 4	20	20300	100	#0	QPSK	HV	NT	-16.2 2	-0.00 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	LV	NT	-1.16	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	13.02	0.007	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	HV	NT	17.37	0.010	-2.5	2.5	PASS

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	NV	-30	-14.33	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-36.64	-0.021	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-18.08	-0.011	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-5.84	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	1.76	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-29.98	-0.018	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-37.44	-0.022	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-33.47	-0.020	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-32.32	-0.019	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	-3.82	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-23.56	-0.014	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-41.43	-0.024	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-19.88	-0.012	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-31.81	-0.019	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-9.71	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-34.65	-0.020	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-1.13	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	27.91	0.016	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	32.86	0.019	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	35.05	0.020	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	31.64	0.018	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	28.65	0.017	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	27.09	0.016	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	22.40	0.013	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	13.29	0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	13.98	0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	11.73	0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	12.10	0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	13.99	0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	14.13	0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	11.82	0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	12.76	0.007	PASS

Band4	1.4	20393	6	#0	QPSK	NV	-30	-27.77	-0.016	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-24.29	-0.014	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-15.22	-0.009	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-19.78	-0.011	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-24.43	-0.014	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-12.97	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-34.70	-0.020	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-16.34	-0.009	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-37.62	-0.021	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	1.82	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-5.55	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-14.93	-0.009	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-21.14	-0.012	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-25.41	-0.014	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-38.85	-0.022	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-10.86	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-29.73	-0.017	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	5.42	0.003	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-21.40	-0.013	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-16.01	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-26.76	-0.016	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-10.27	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-31.90	-0.019	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-20.79	-0.012	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-35.78	-0.021	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	7.50	0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	0	5.69	0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	10	0.01	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-0.90	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-6.78	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	40	-10.13	-0.006	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-13.75	-0.008	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-8.27	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-9.97	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-9.16	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	10	-11.20	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	20	-8.41	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-10.83	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-14.91	-0.009	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-14.39	-0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-16.88	-0.010	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-13.68	-0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-24.49	-0.014	PASS

Band4	3	20175	15	#0	16QAM	NV	10	-7.40	-0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-21.09	-0.012	PASS
Band4	3	20175	15	#0	16QAM	NV	30	11.39	0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	40	21.29	0.012	PASS
Band4	3	20175	15	#0	16QAM	NV	50	29.43	0.017	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-26.45	-0.015	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-26.54	-0.015	PASS
Band4	3	20385	15	#0	QPSK	NV	0	-18.24	-0.010	PASS
Band4	3	20385	15	#0	QPSK	NV	10	-5.52	-0.003	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-22.89	-0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-4.18	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-15.58	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	50	1.29	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	-15.35	-0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-19.17	-0.011	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-18.80	-0.011	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-23.67	-0.013	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-27.77	-0.016	PASS
Band4	3	20385	15	#0	16QAM	NV	30	-34.83	-0.020	PASS
Band4	3	20385	15	#0	16QAM	NV	40	0.44	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-4.73	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-0.94	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-21.14	-0.012	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-27.65	-0.016	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-12.42	-0.007	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-6.59	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-32.70	-0.019	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-28.55	-0.017	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-13.40	-0.008	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-32.79	-0.019	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	5.62	0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	0	-0.79	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-7.52	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-12.07	-0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-18.34	-0.011	PASS
Band4	5	19975	25	#0	16QAM	NV	40	-23.09	-0.013	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-28.75	-0.017	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	4.19	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	3.55	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	0	-0.94	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	10	-2.30	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	20	-2.47	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-6.47	-0.004	PASS

Band4	5	20175	25	#0	QPSK	NV	40	-14.65	-0.008	PASS
Band4	5	20175	25	#0	QPSK	NV	50	-12.43	-0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-15.79	-0.009	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-14.58	-0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-5.79	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	10	-5.15	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	20	-4.61	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-13.32	-0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-27.81	-0.016	PASS
Band4	5	20175	25	#0	16QAM	NV	50	5.66	0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-25.22	-0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-19.90	-0.011	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-17.09	-0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-21.93	-0.013	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-6.24	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-26.21	-0.015	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-5.72	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	50	-21.41	-0.012	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-32.89	-0.019	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-6.08	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-9.88	-0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-14.05	-0.008	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-19.07	-0.011	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-21.56	-0.012	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-24.29	-0.014	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-28.07	-0.016	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	6.27	0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-18.27	-0.011	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-25.86	-0.015	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-14.65	-0.009	PASS
Band4	10	20000	50	#0	QPSK	NV	20	7.67	0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-5.98	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-22.73	-0.013	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-37.22	-0.022	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	-1.17	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	-5.82	-0.003	PASS
Band4	10	20000	50	#0	16QAM	NV	0	-10.64	-0.006	PASS
Band4	10	20000	50	#0	16QAM	NV	10	-12.96	-0.008	PASS
Band4	10	20000	50	#0	16QAM	NV	20	-18.01	-0.011	PASS
Band4	10	20000	50	#0	16QAM	NV	30	-20.87	-0.012	PASS
Band4	10	20000	50	#0	16QAM	NV	40	-23.47	-0.014	PASS
Band4	10	20000	50	#0	16QAM	NV	50	-27.72	-0.016	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-3.45	-0.002	PASS

Band4	10	20175	50	#0	QPSK	NV	-20	-6.79	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-14.36	-0.008	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-18.00	-0.010	PASS
Band4	10	20175	50	#0	QPSK	NV	20	-20.67	-0.012	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-21.16	-0.012	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-22.22	-0.013	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-22.83	-0.013	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	-11.12	-0.006	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	9.37	0.005	PASS
Band4	10	20175	50	#0	16QAM	NV	0	14.56	0.008	PASS
Band4	10	20175	50	#0	16QAM	NV	10	12.42	0.007	PASS
Band4	10	20175	50	#0	16QAM	NV	20	17.85	0.010	PASS
Band4	10	20175	50	#0	16QAM	NV	30	22.06	0.013	PASS
Band4	10	20175	50	#0	16QAM	NV	40	26.89	0.016	PASS
Band4	10	20175	50	#0	16QAM	NV	50	28.71	0.017	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-25.75	-0.015	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-26.84	-0.015	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-22.46	-0.013	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-12.95	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-36.41	-0.021	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-22.16	-0.013	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-36.62	-0.021	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-38.08	-0.022	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	-17.97	-0.010	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	-19.44	-0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	0	-20.01	-0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	10	-20.56	-0.012	PASS
Band4	10	20350	50	#0	16QAM	NV	20	-19.61	-0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	30	-22.36	-0.013	PASS
Band4	10	20350	50	#0	16QAM	NV	40	-23.36	-0.013	PASS
Band4	10	20350	50	#0	16QAM	NV	50	-27.94	-0.016	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-28.37	-0.017	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-36.78	-0.021	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-21.14	-0.012	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-14.20	-0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-31.26	-0.018	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-21.23	-0.012	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-35.72	-0.021	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-15.76	-0.009	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	-28.15	-0.016	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	-26.52	-0.015	PASS
Band4	15	20025	75	#0	16QAM	NV	0	-25.46	-0.015	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-30.03	-0.017	PASS

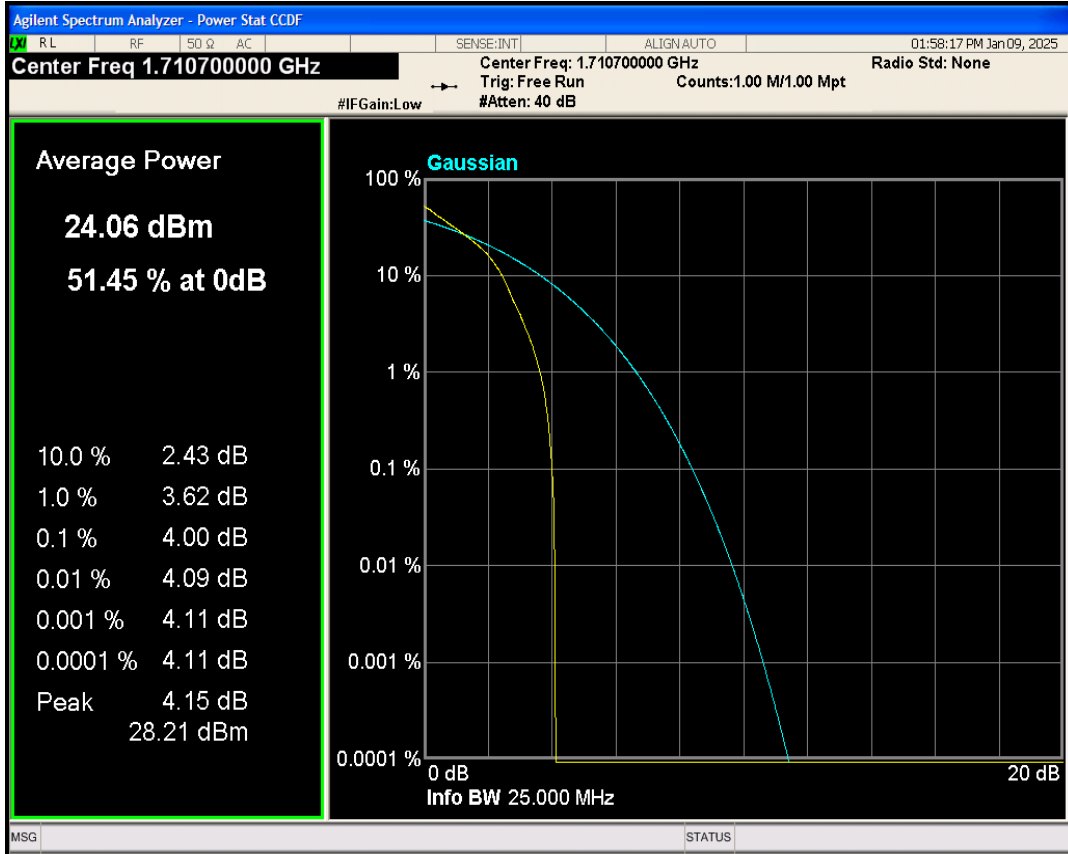
Band4	15	20025	75	#0	16QAM	NV	20	-31.87	-0.019	PASS
Band4	15	20025	75	#0	16QAM	NV	30	-33.17	-0.019	PASS
Band4	15	20025	75	#0	16QAM	NV	40	-35.22	-0.021	PASS
Band4	15	20025	75	#0	16QAM	NV	50	-33.67	-0.020	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-27.34	-0.016	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-22.56	-0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-22.03	-0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-25.58	-0.015	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-27.54	-0.016	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-32.97	-0.019	PASS
Band4	15	20175	75	#0	QPSK	NV	40	-39.74	-0.023	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-38.51	-0.022	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	-18.65	-0.011	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	-9.33	-0.005	PASS
Band4	15	20175	75	#0	16QAM	NV	0	-3.32	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	10	1.99	0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	20	5.99	0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	30	7.00	0.004	PASS
Band4	15	20175	75	#0	16QAM	NV	40	11.26	0.006	PASS
Band4	15	20175	75	#0	16QAM	NV	50	14.00	0.008	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-12.65	-0.007	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-23.02	-0.013	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-28.85	-0.017	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-23.32	-0.013	PASS
Band4	15	20325	75	#0	QPSK	NV	20	-36.08	-0.021	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-2.02	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-4.78	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-14.86	-0.009	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	-23.46	-0.013	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-18.87	-0.011	PASS
Band4	15	20325	75	#0	16QAM	NV	0	-14.53	-0.008	PASS
Band4	15	20325	75	#0	16QAM	NV	10	-16.97	-0.010	PASS
Band4	15	20325	75	#0	16QAM	NV	20	-20.36	-0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	30	-18.71	-0.011	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-20.26	-0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	50	-20.07	-0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-19.71	-0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-21.33	-0.012	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-25.38	-0.015	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-11.93	-0.007	PASS
Band4	20	20050	100	#0	QPSK	NV	20	21.69	0.013	PASS
Band4	20	20050	100	#0	QPSK	NV	30	11.17	0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-3.25	-0.002	PASS

Band4	20	20050	100	#0	QPSK	NV	50	-12.97	-0.008	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	-18.78	-0.011	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	-13.96	-0.008	PASS
Band4	20	20050	100	#0	16QAM	NV	0	-9.18	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	10	-8.13	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	20	-9.84	-0.006	PASS
Band4	20	20050	100	#0	16QAM	NV	30	-8.27	-0.005	PASS
Band4	20	20050	100	#0	16QAM	NV	40	-7.41	-0.004	PASS
Band4	20	20050	100	#0	16QAM	NV	50	-7.05	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	0.00	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	4.35	0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-2.80	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-15.59	-0.009	PASS
Band4	20	20175	100	#0	QPSK	NV	20	6.39	0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	30	8.75	0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	40	5.35	0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	50	2.93	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	4.12	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	9.74	0.006	PASS
Band4	20	20175	100	#0	16QAM	NV	0	13.20	0.008	PASS
Band4	20	20175	100	#0	16QAM	NV	10	17.11	0.010	PASS
Band4	20	20175	100	#0	16QAM	NV	20	15.34	0.009	PASS
Band4	20	20175	100	#0	16QAM	NV	30	22.10	0.013	PASS
Band4	20	20175	100	#0	16QAM	NV	40	22.12	0.013	PASS
Band4	20	20175	100	#0	16QAM	NV	50	27.18	0.016	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-27.87	-0.016	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-7.05	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-17.82	-0.010	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-0.90	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-7.91	-0.005	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-18.11	-0.010	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-29.81	-0.017	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-35.19	-0.020	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	-1.83	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	4.13	0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	0	4.42	0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	10	6.15	0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	20	5.92	0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	30	6.77	0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	40	6.58	0.004	PASS
Band4	20	20300	100	#0	16QAM	NV	50	7.98	0.005	PASS

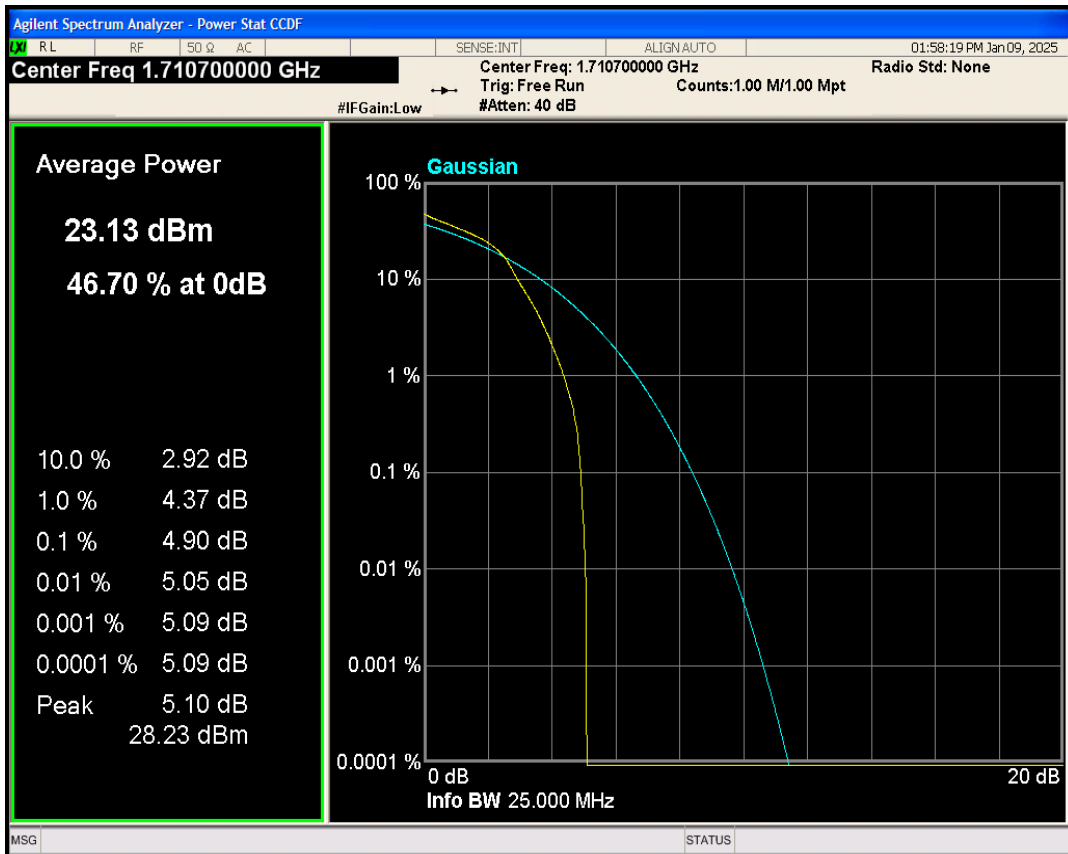
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.00	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.90	13	PASS
Band4	1.4	20175	1	#0	QPSK	3.47	13	PASS
Band4	1.4	20175	1	#0	16QAM	4.46	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.67	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.91	13	PASS
Band4	3	19965	1	#0	QPSK	4.02	13	PASS
Band4	3	19965	1	#0	16QAM	5.03	13	PASS
Band4	3	20175	1	#0	QPSK	3.58	13	PASS
Band4	3	20175	1	#0	16QAM	4.17	13	PASS
Band4	3	20385	1	#0	QPSK	3.70	13	PASS
Band4	3	20385	1	#0	16QAM	4.71	13	PASS
Band4	5	19975	1	#0	QPSK	4.14	13	PASS
Band4	5	19975	1	#0	16QAM	5.22	13	PASS
Band4	5	20175	1	#0	QPSK	3.62	13	PASS
Band4	5	20175	1	#0	16QAM	4.66	13	PASS
Band4	5	20375	1	#0	QPSK	4.07	13	PASS
Band4	5	20375	1	#0	16QAM	4.65	13	PASS
Band4	10	20000	1	#0	QPSK	4.01	13	PASS
Band4	10	20000	1	#0	16QAM	4.85	13	PASS
Band4	10	20175	1	#0	QPSK	3.89	13	PASS
Band4	10	20175	1	#0	16QAM	4.95	13	PASS
Band4	10	20350	1	#0	QPSK	3.56	13	PASS
Band4	10	20350	1	#0	16QAM	4.33	13	PASS
Band4	15	20025	1	#0	QPSK	4.08	13	PASS
Band4	15	20025	1	#0	16QAM	5.02	13	PASS
Band4	15	20175	1	#0	QPSK	3.76	13	PASS
Band4	15	20175	1	#0	16QAM	4.82	13	PASS
Band4	15	20325	1	#0	QPSK	2.91	13	PASS
Band4	15	20325	1	#0	16QAM	3.79	13	PASS
Band4	20	20050	1	#0	QPSK	4.01	13	PASS
Band4	20	20050	1	#0	16QAM	4.99	13	PASS
Band4	20	20175	1	#0	QPSK	3.62	13	PASS
Band4	20	20175	1	#0	16QAM	4.53	13	PASS
Band4	20	20300	1	#0	QPSK	2.85	13	PASS
Band4	20	20300	1	#0	16QAM	4.19	13	PASS

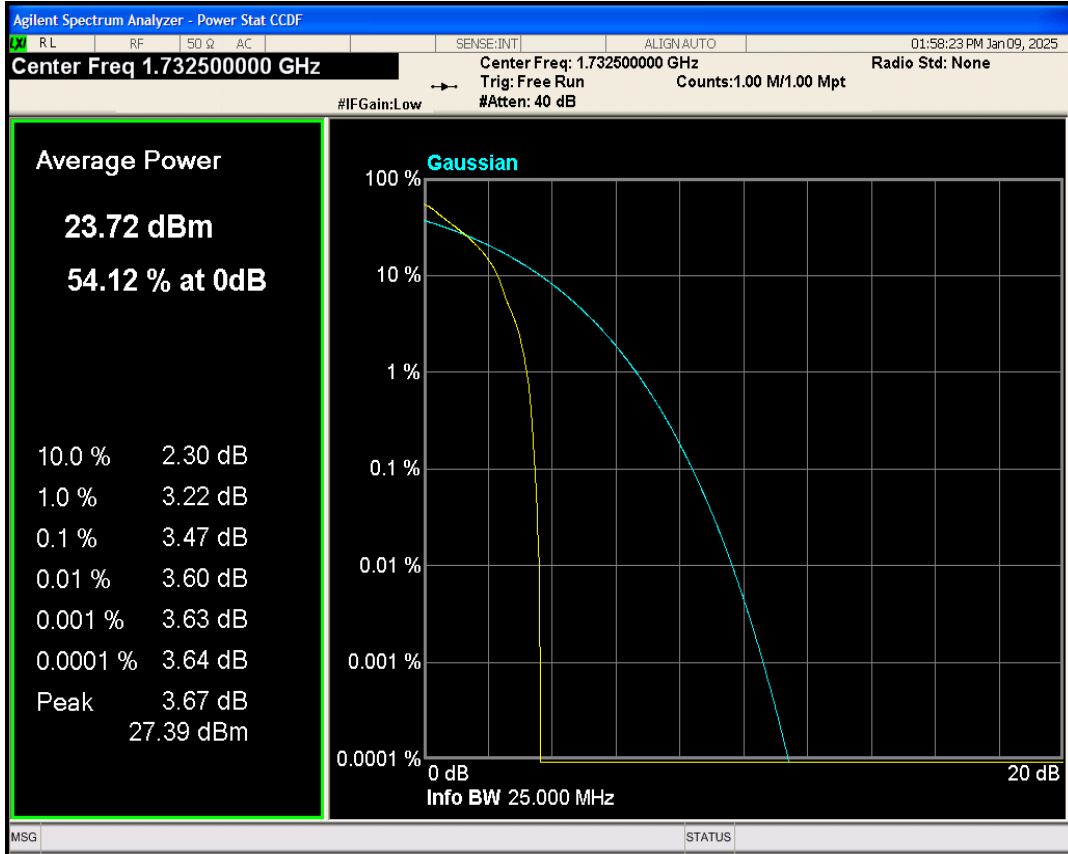
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



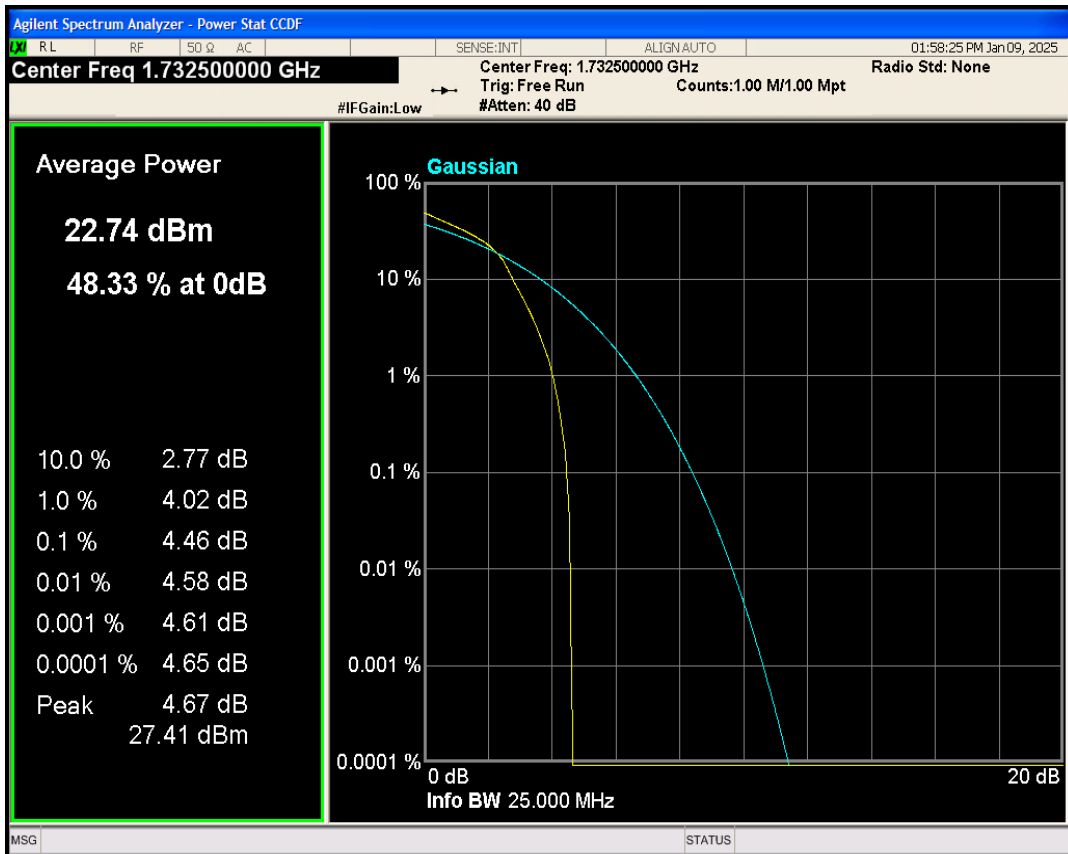
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



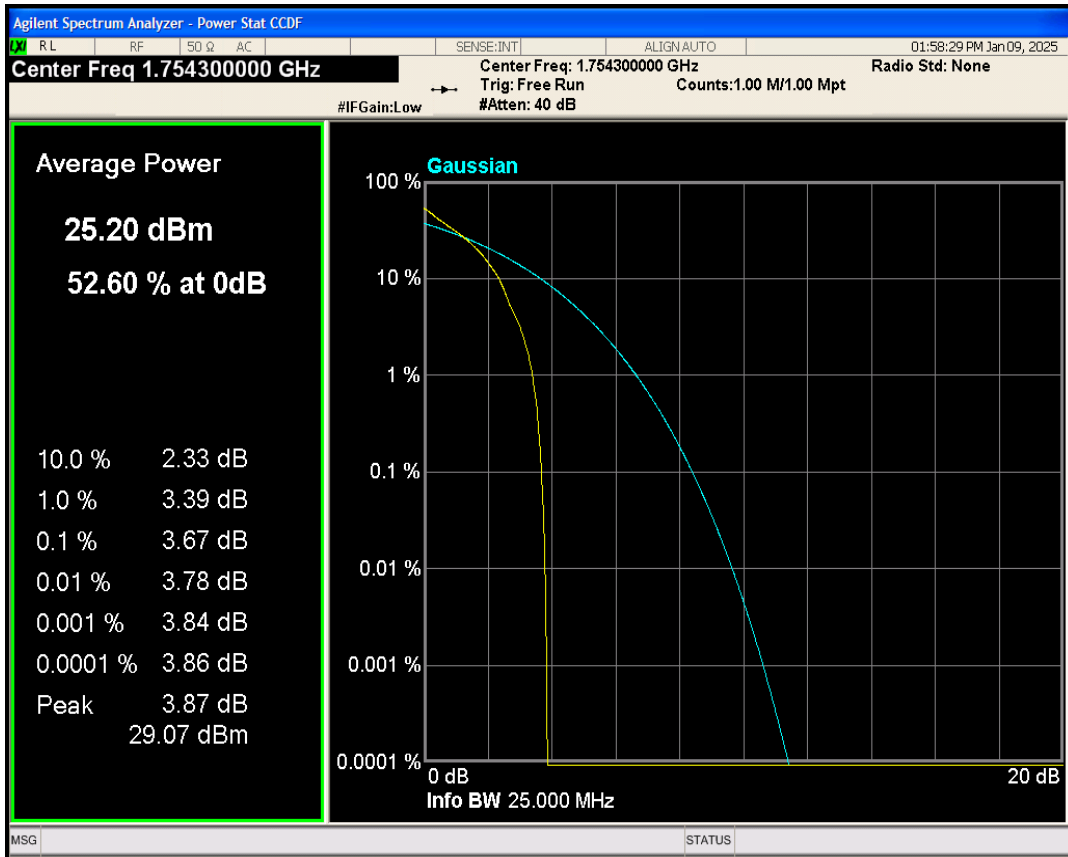
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



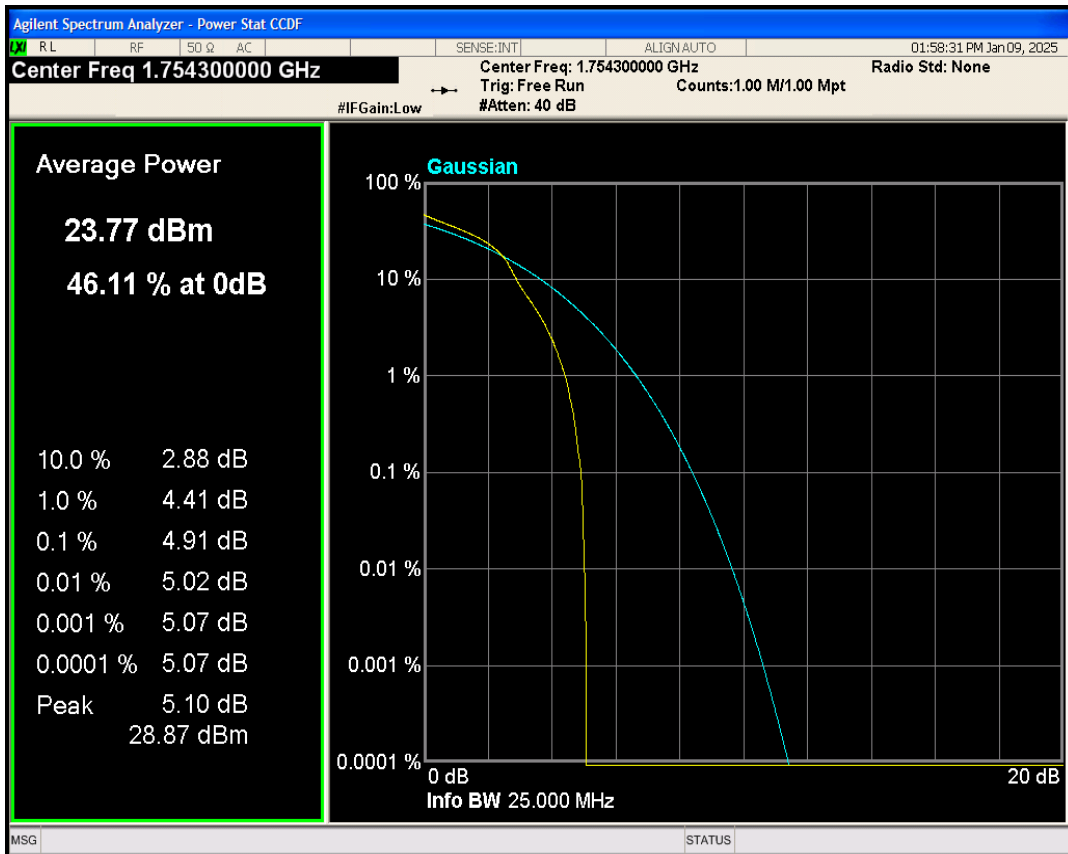
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



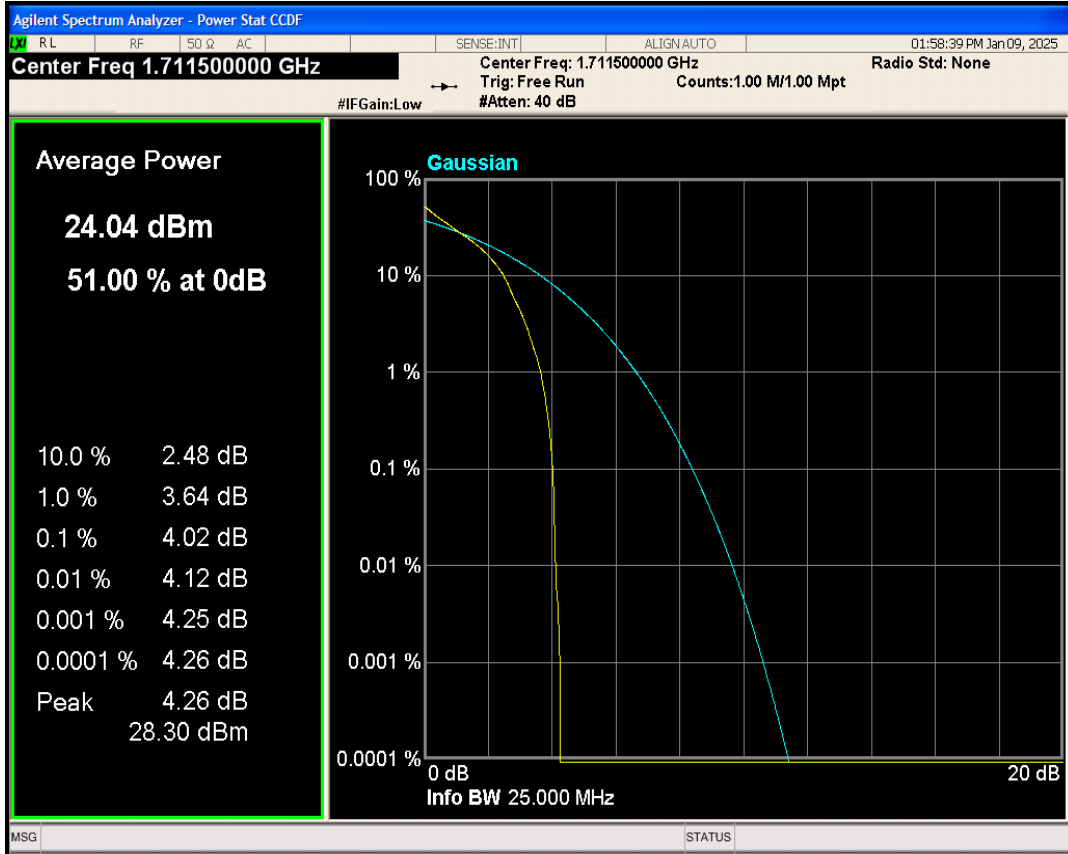
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



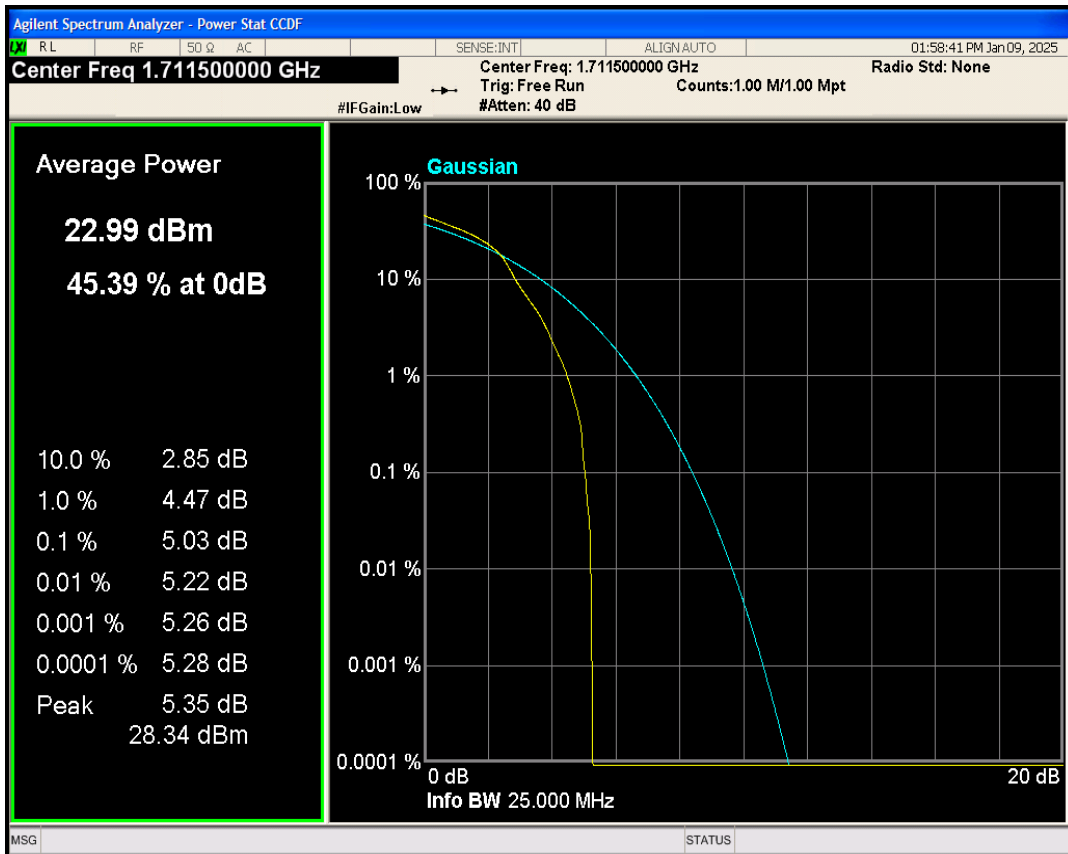
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



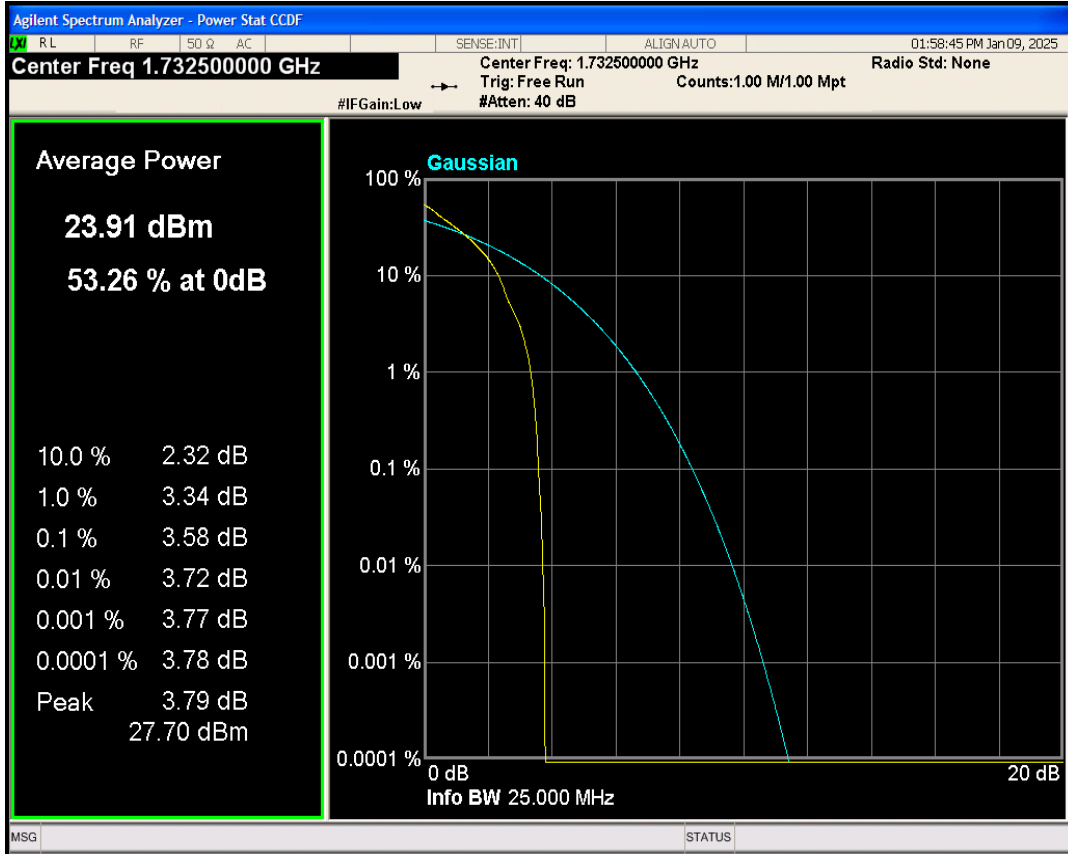
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



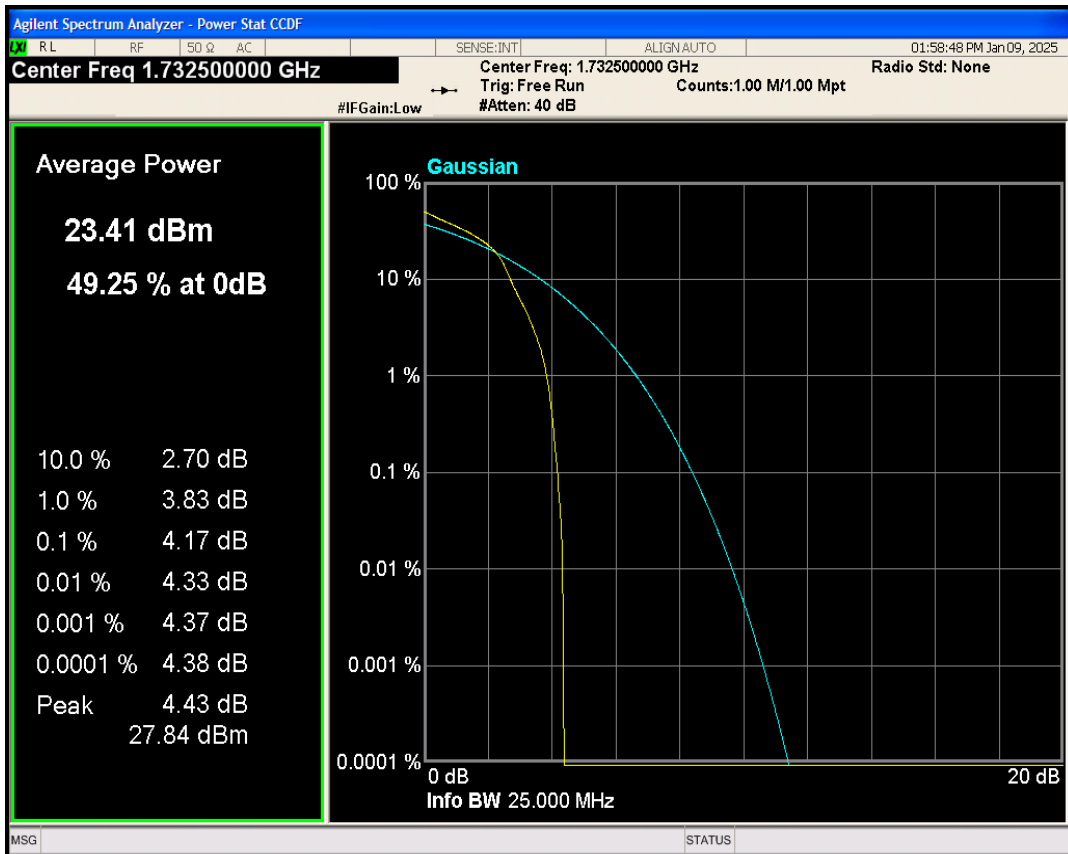
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



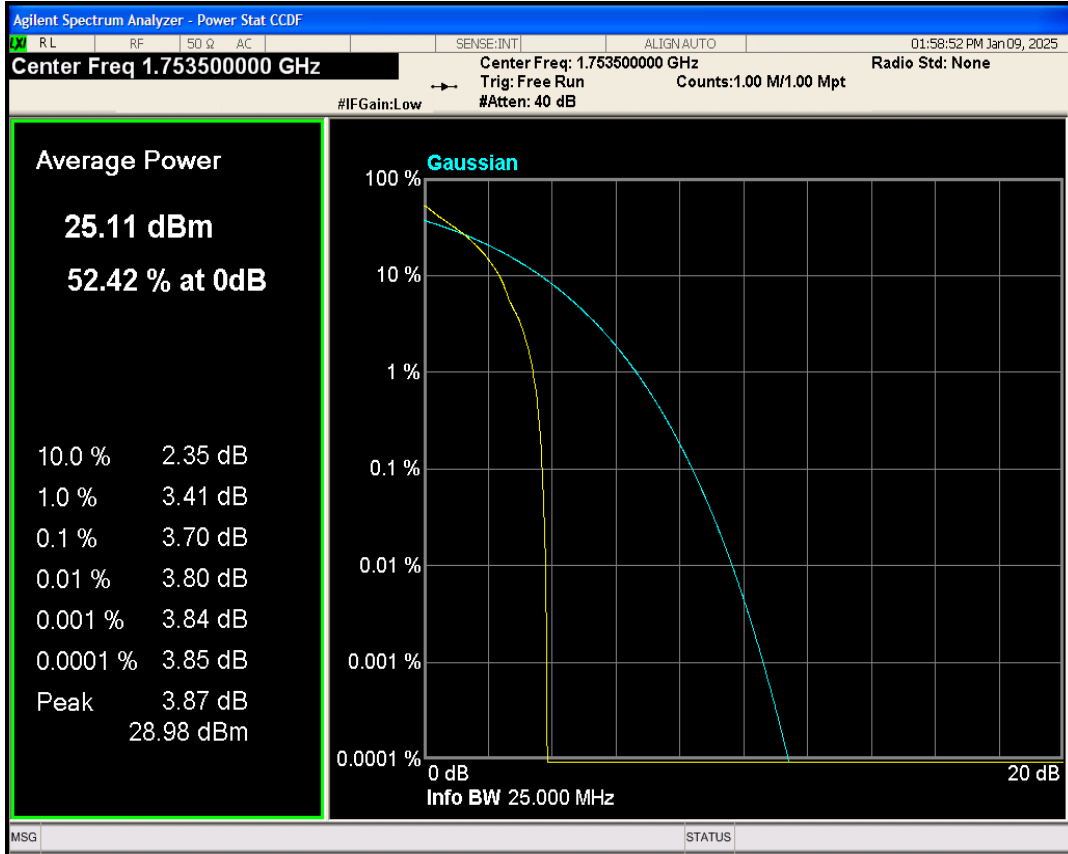
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



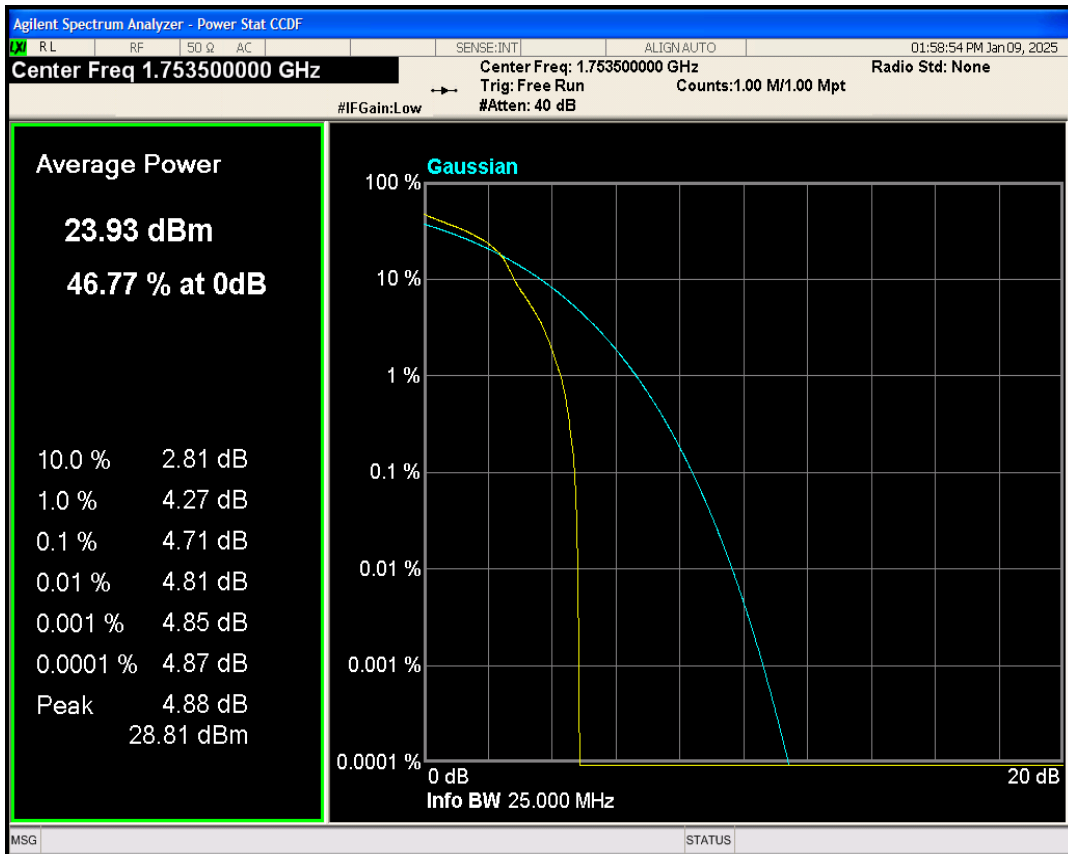
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



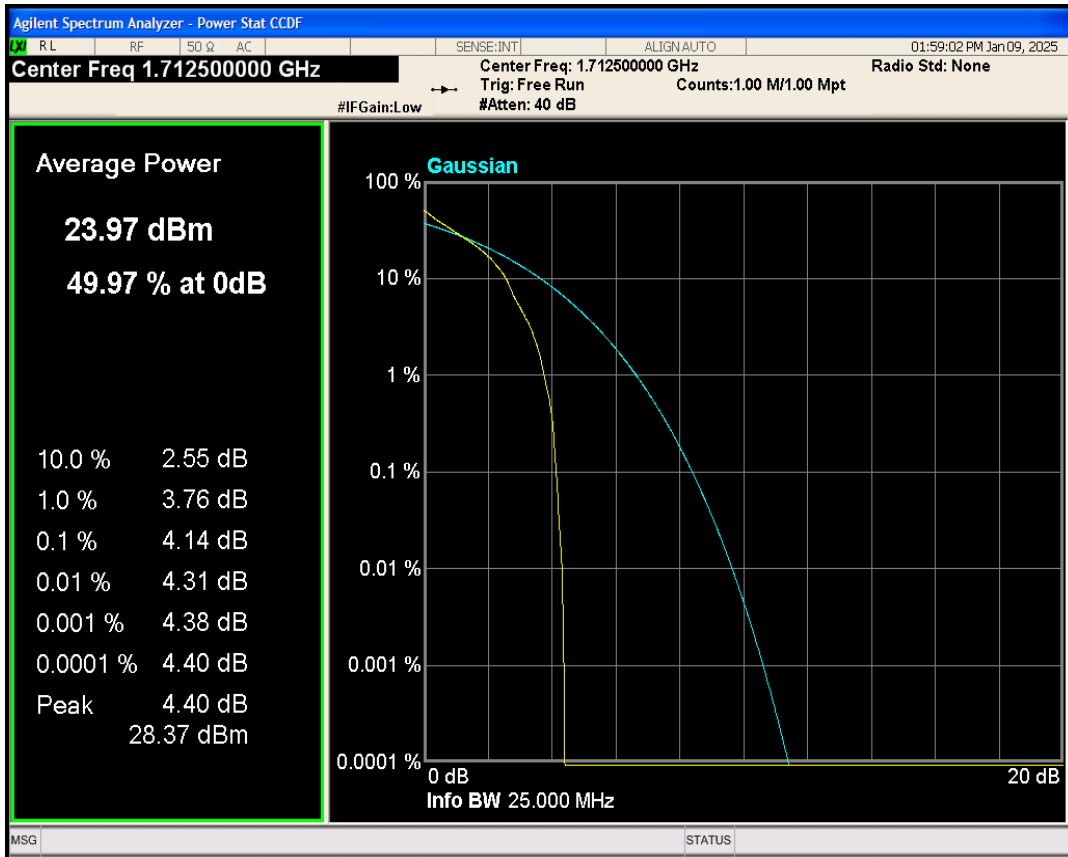
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



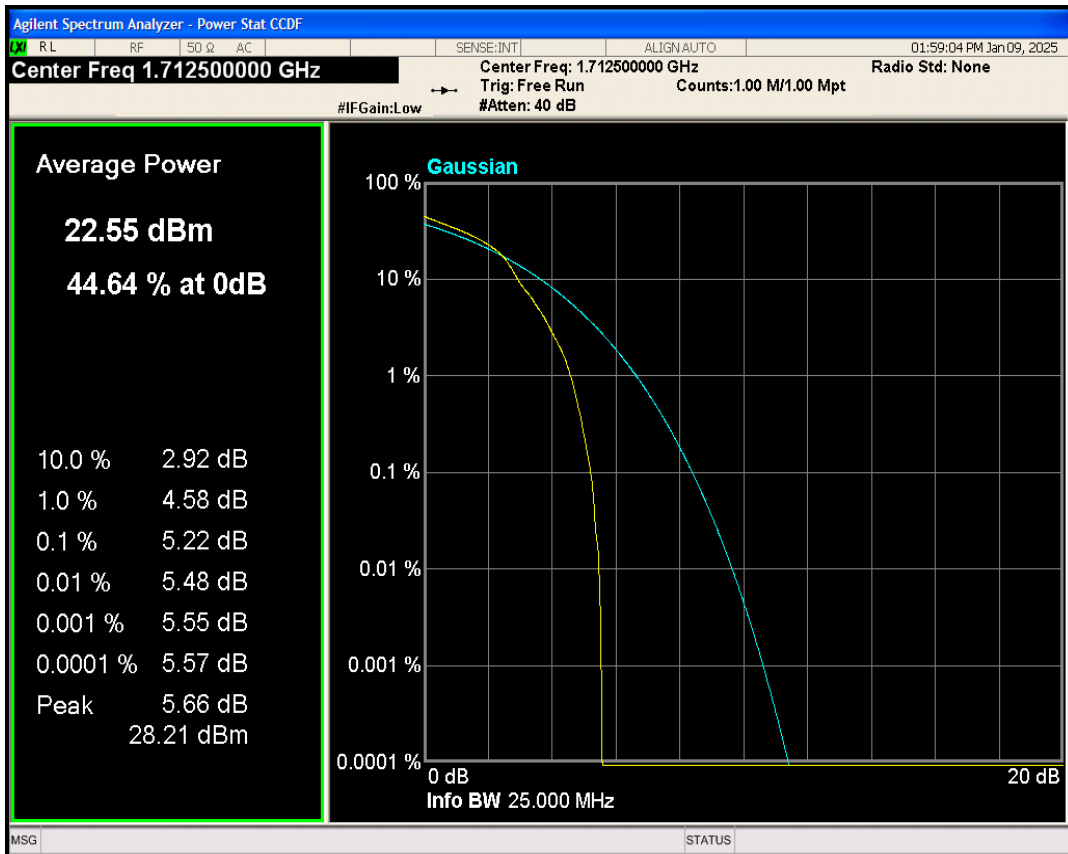
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



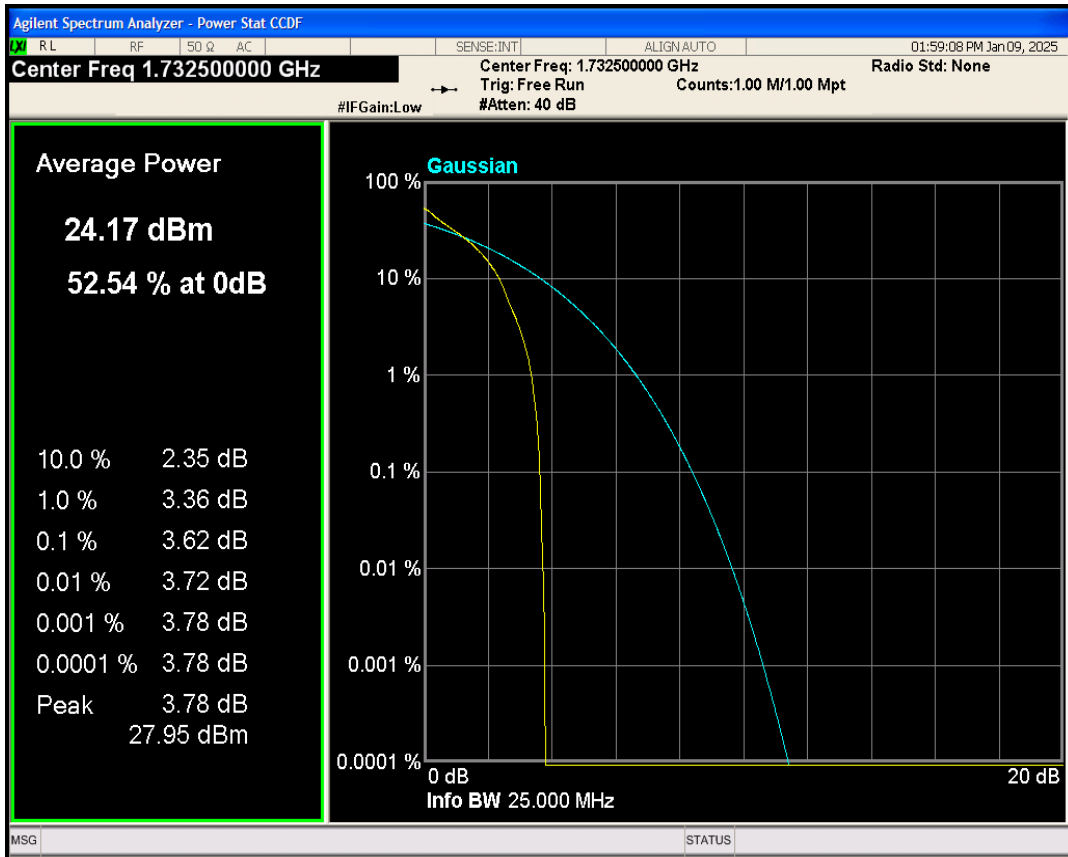
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



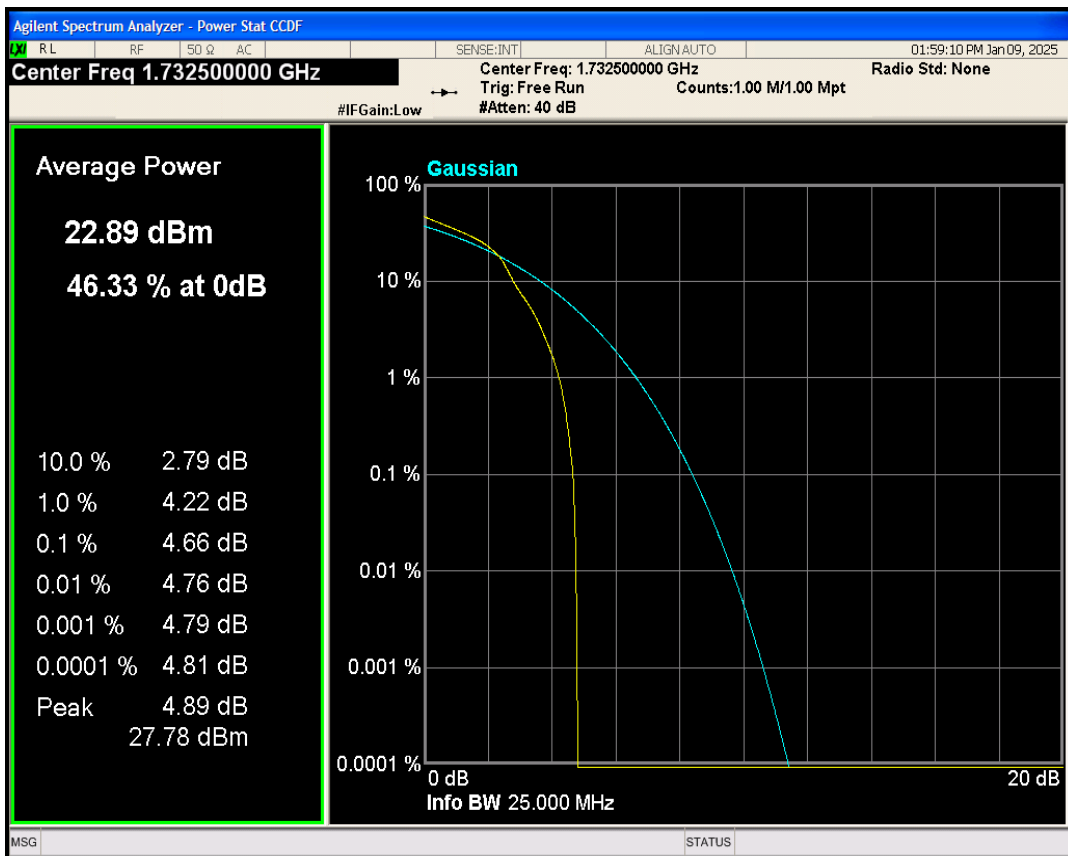
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



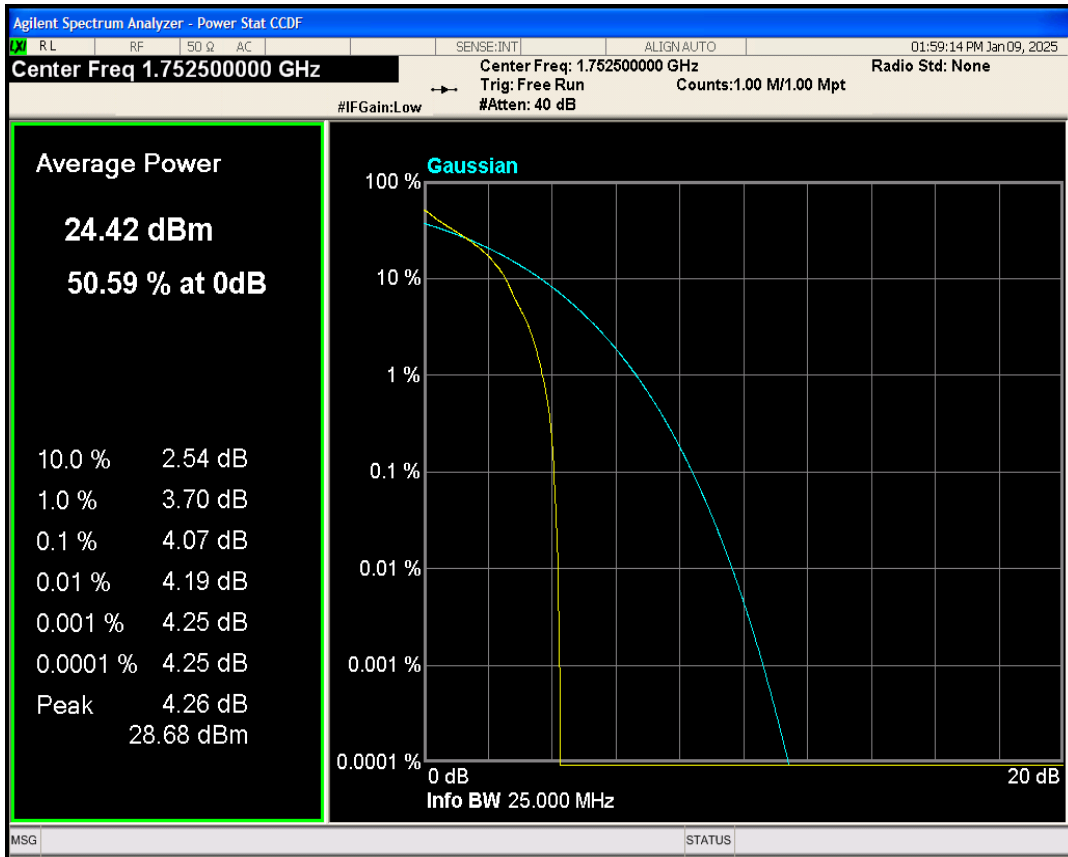
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



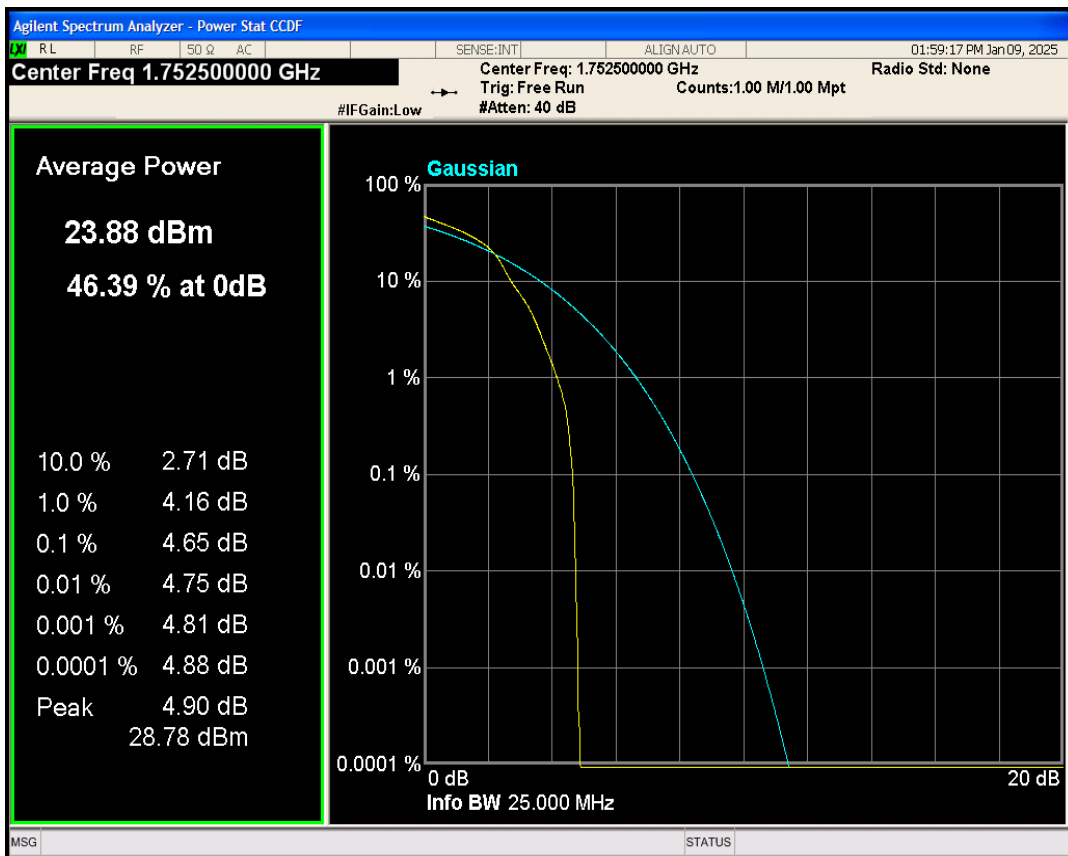
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



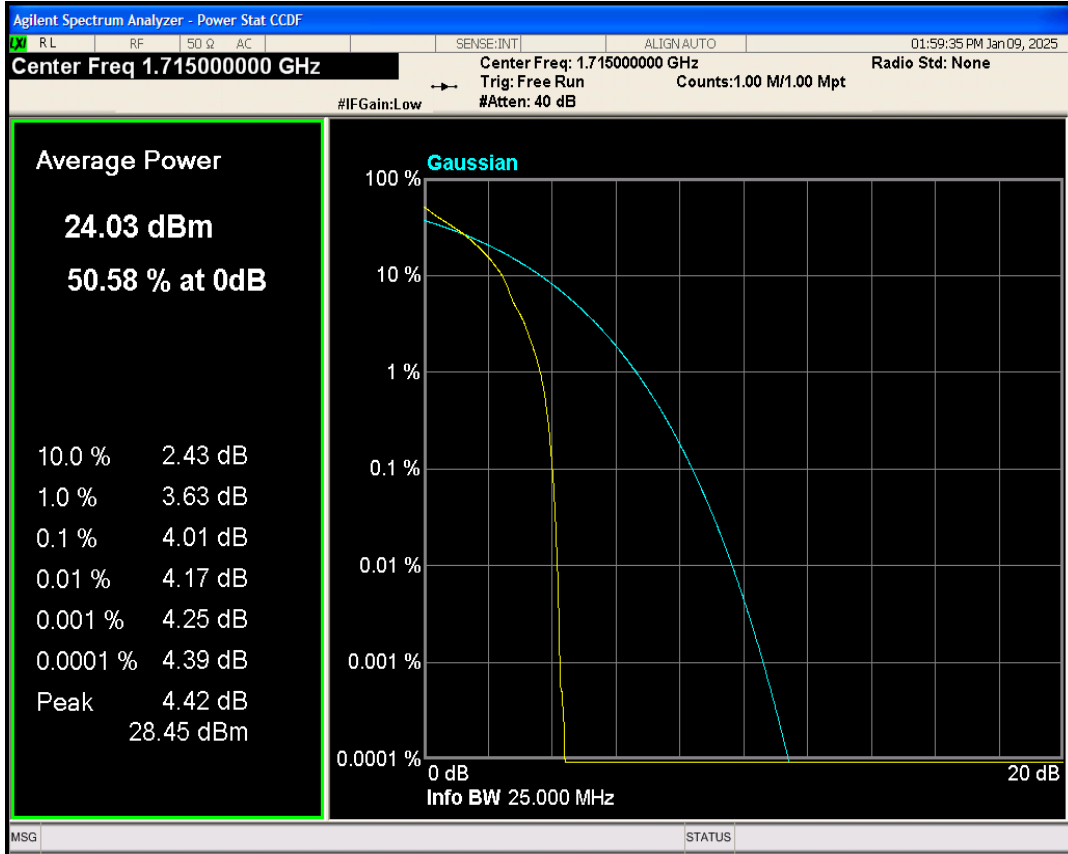
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



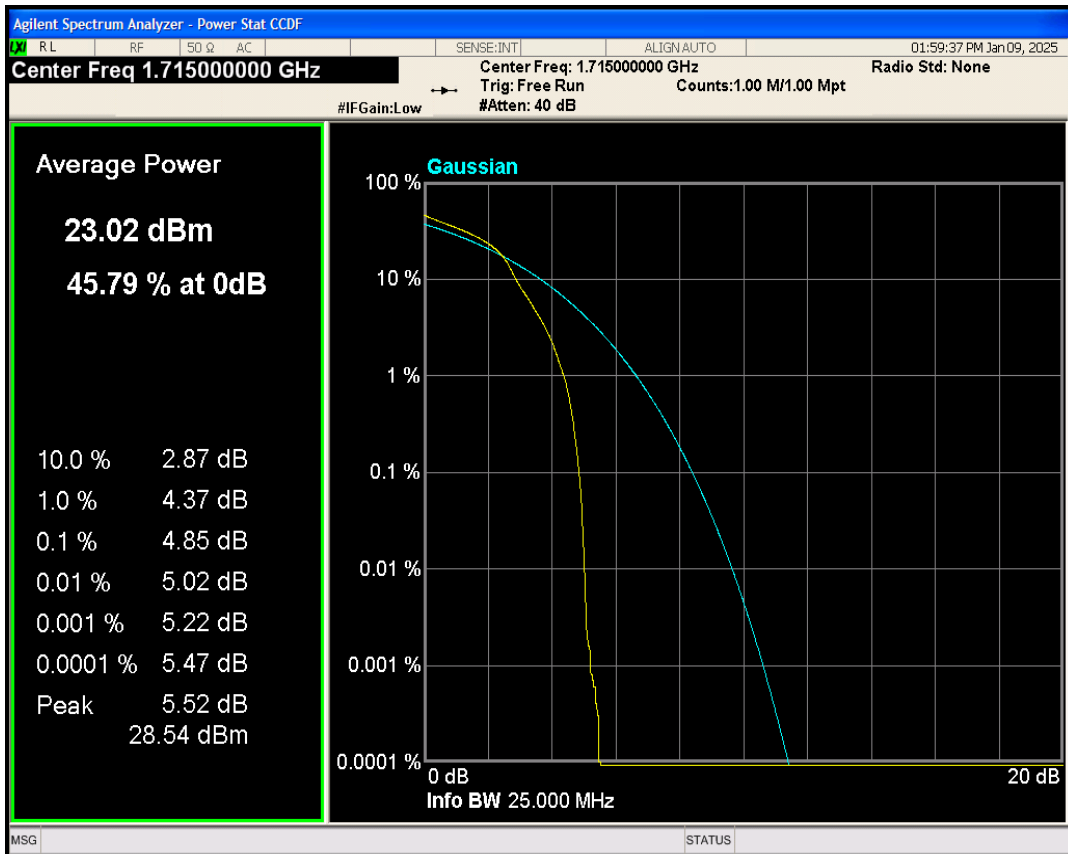
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



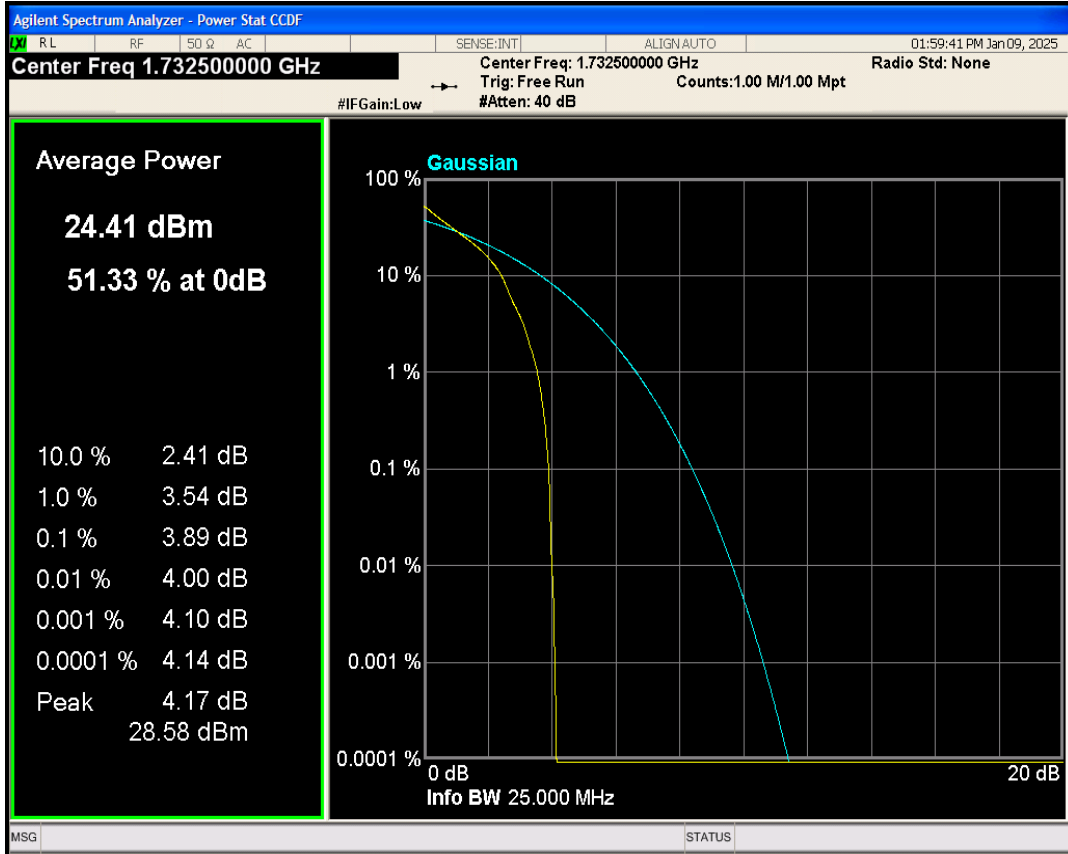
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



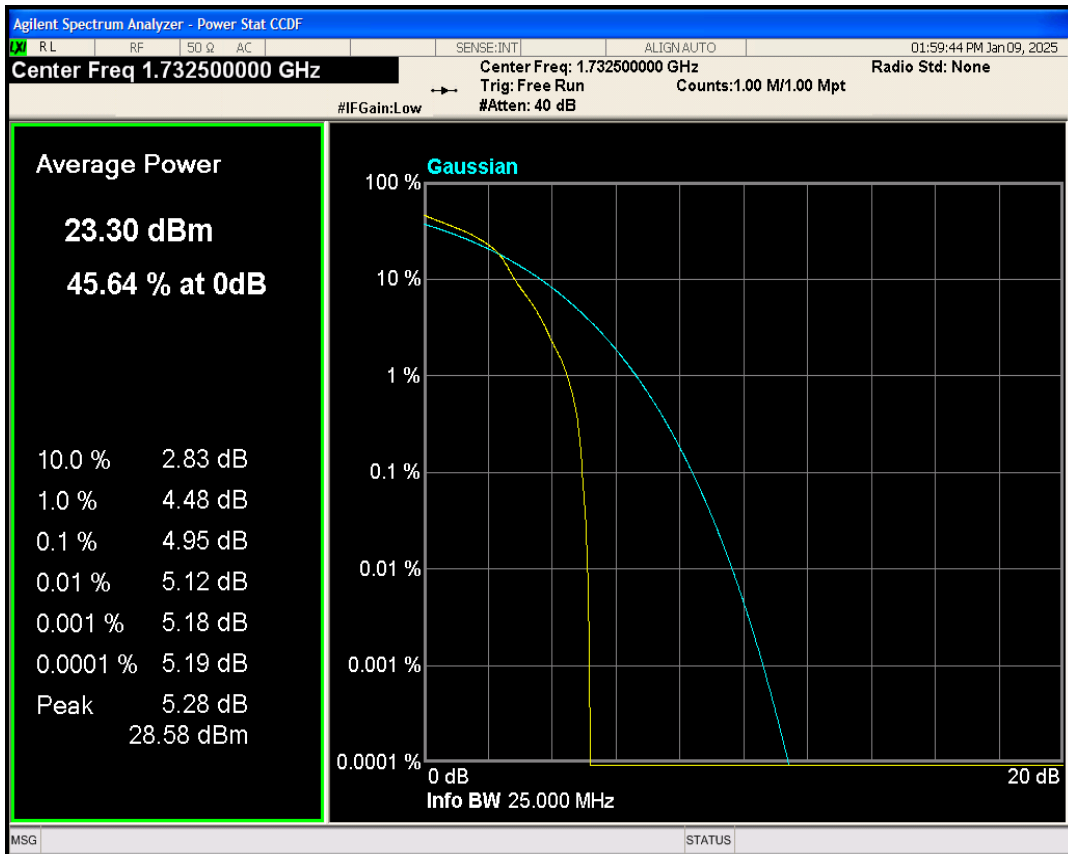
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



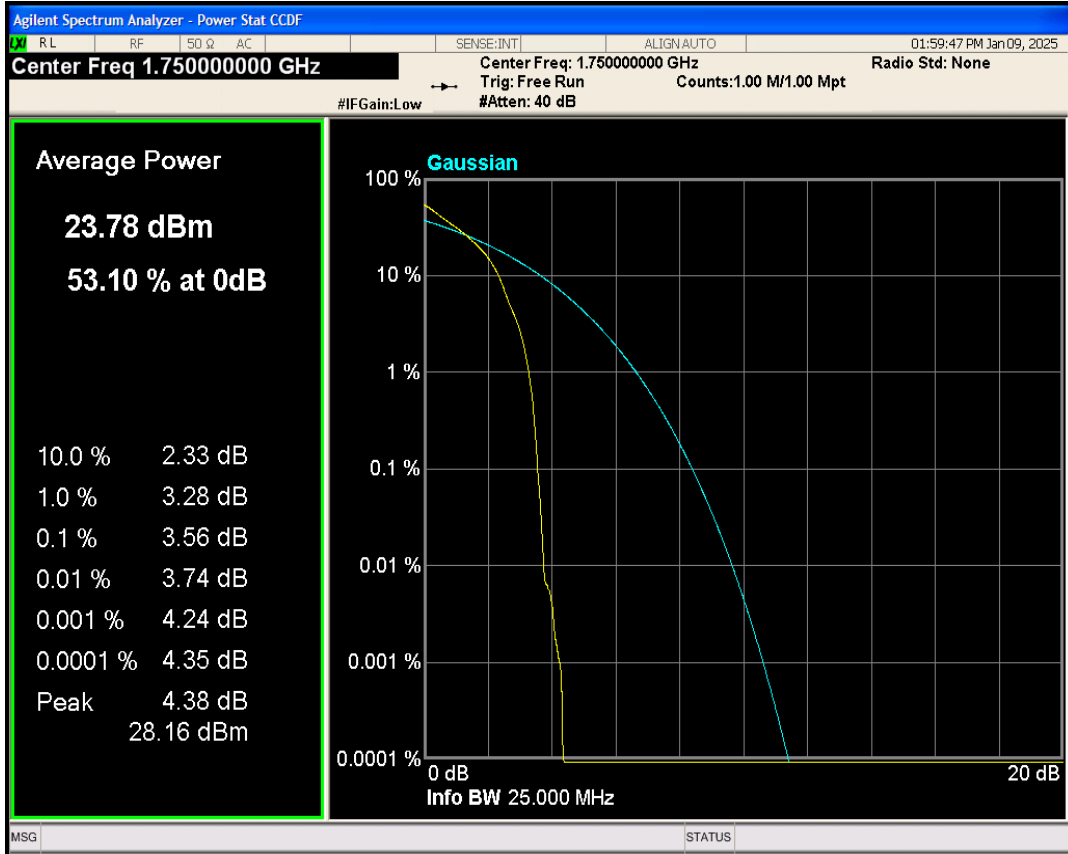
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



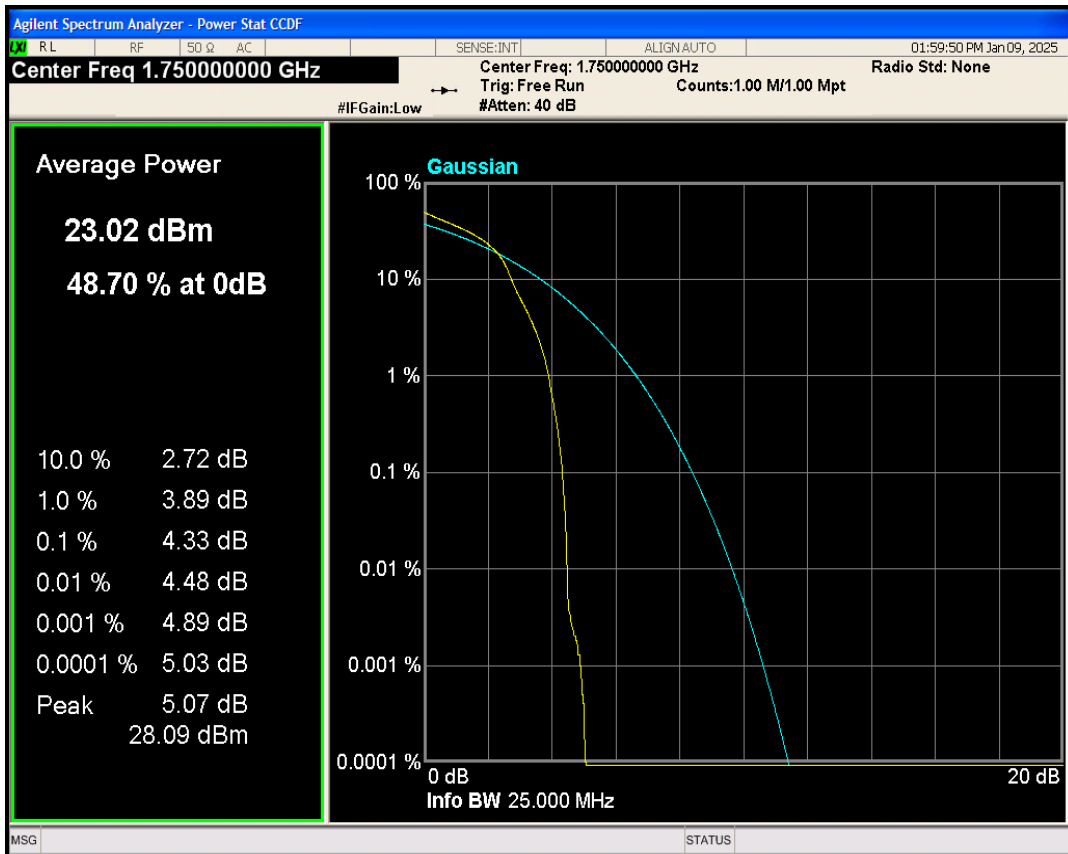
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



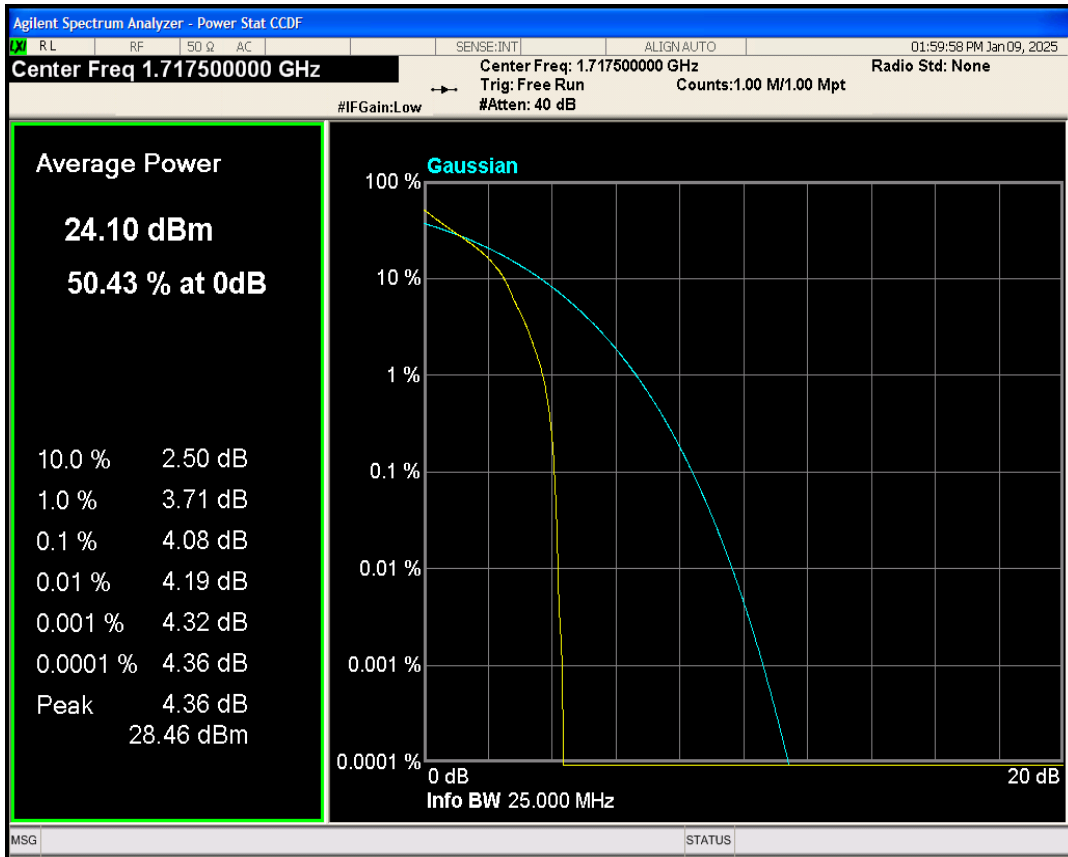
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



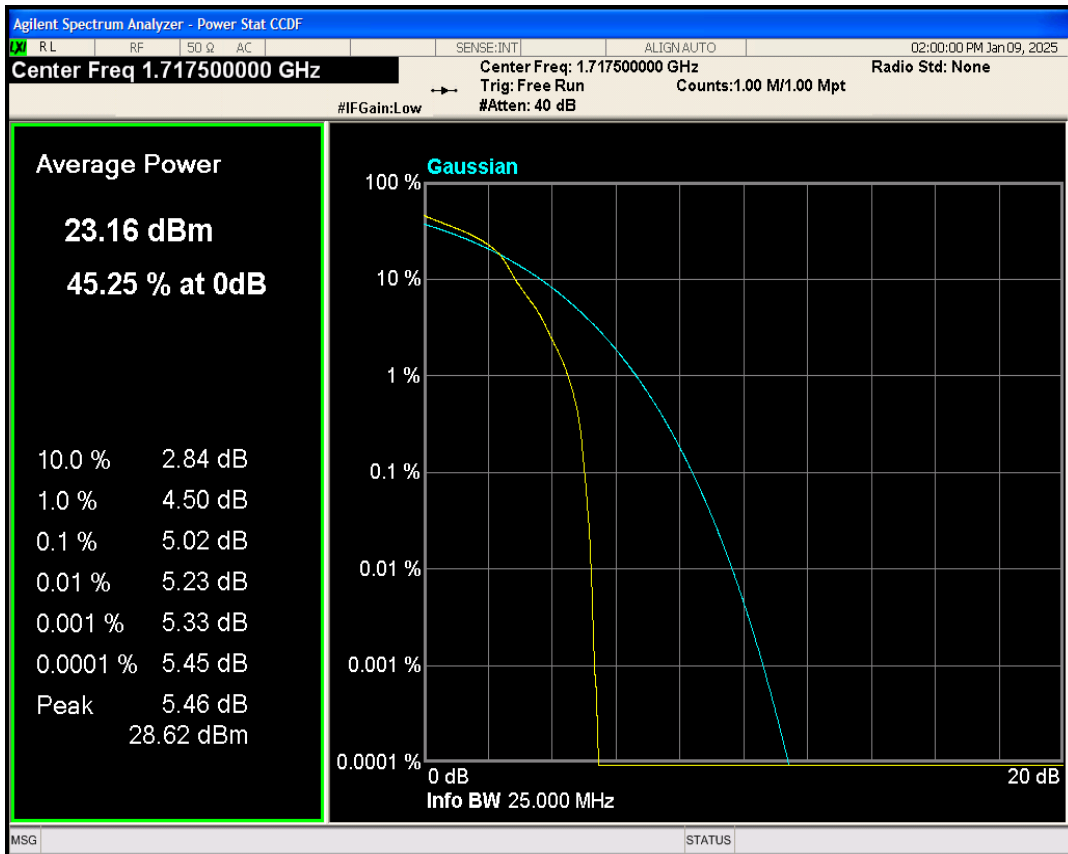
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



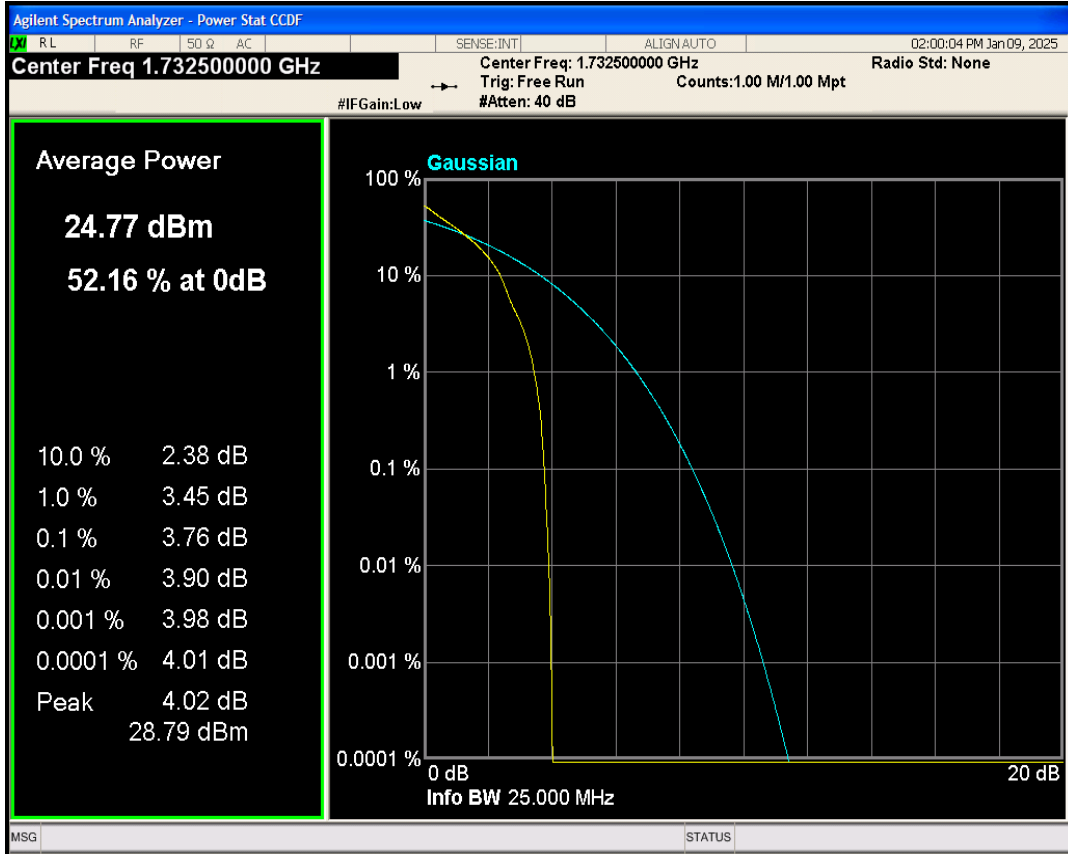
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



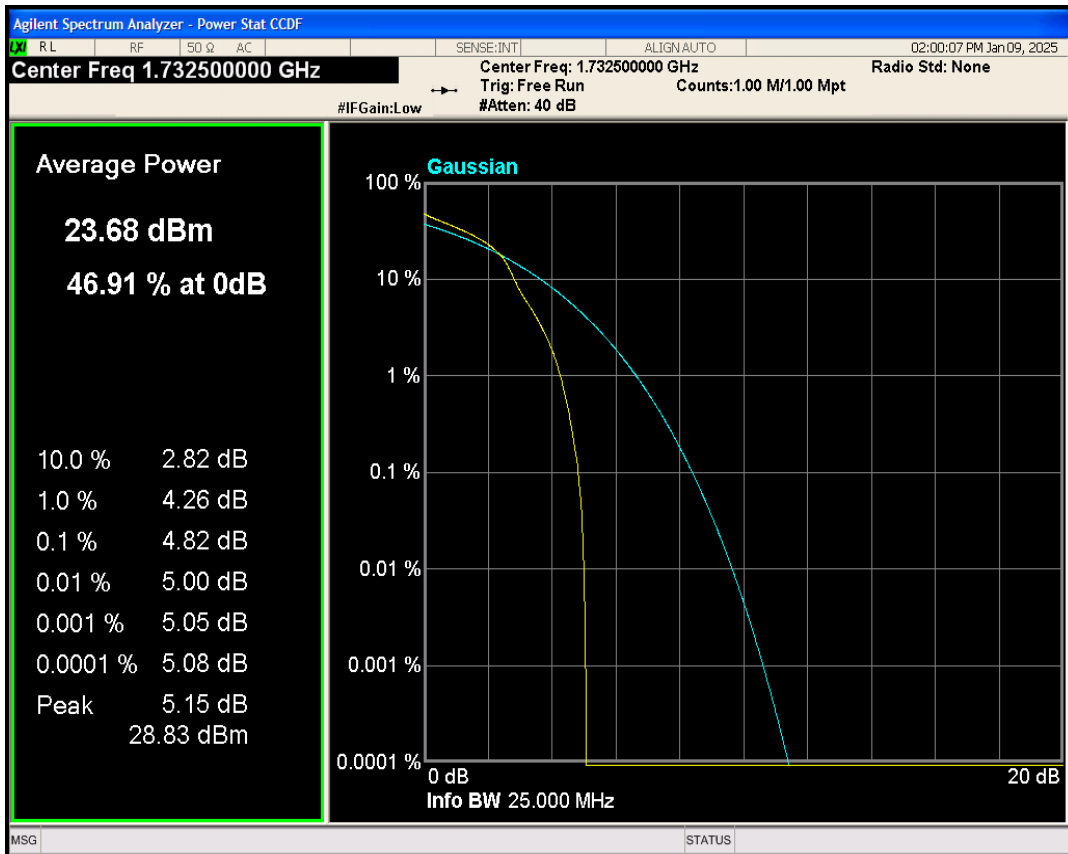
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



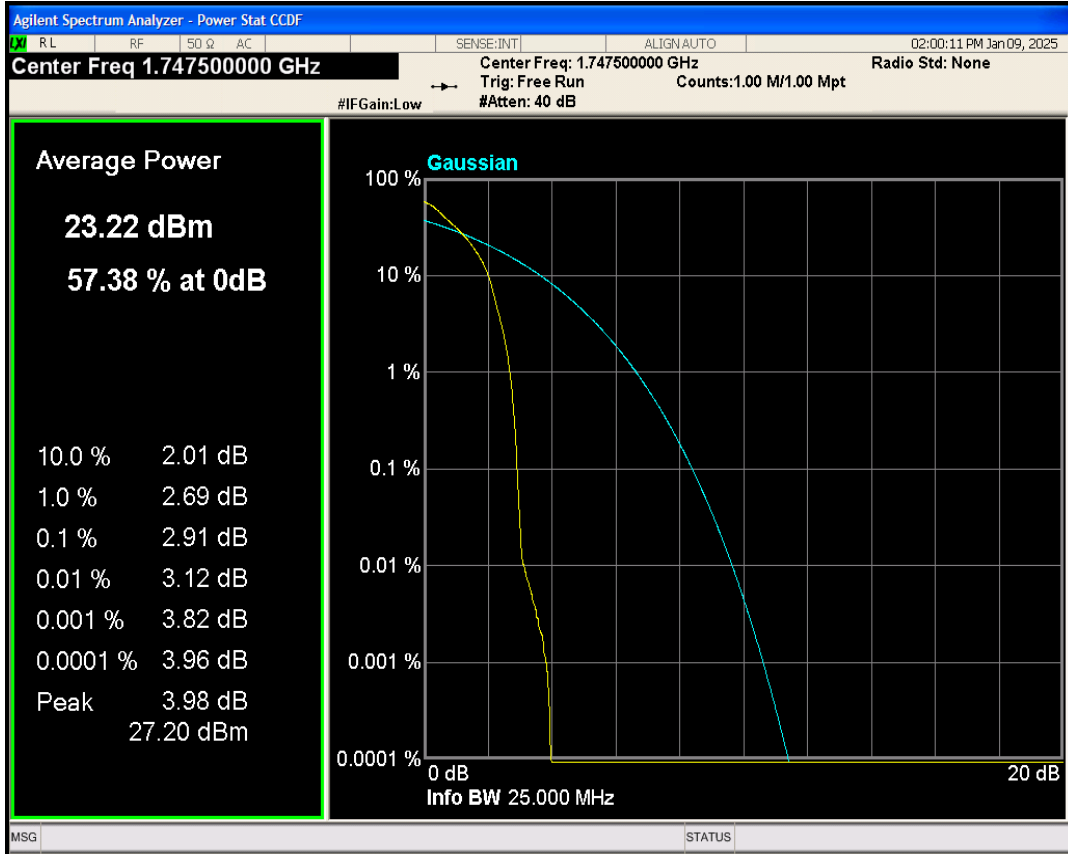
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



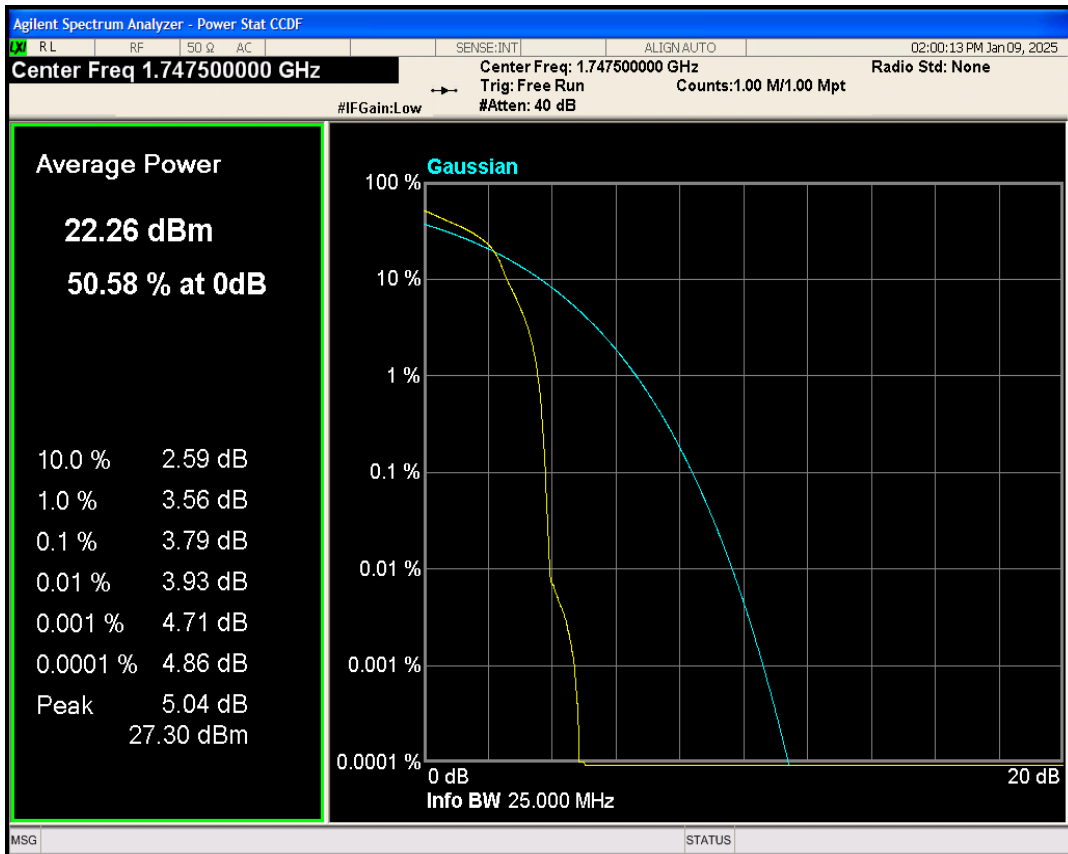
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



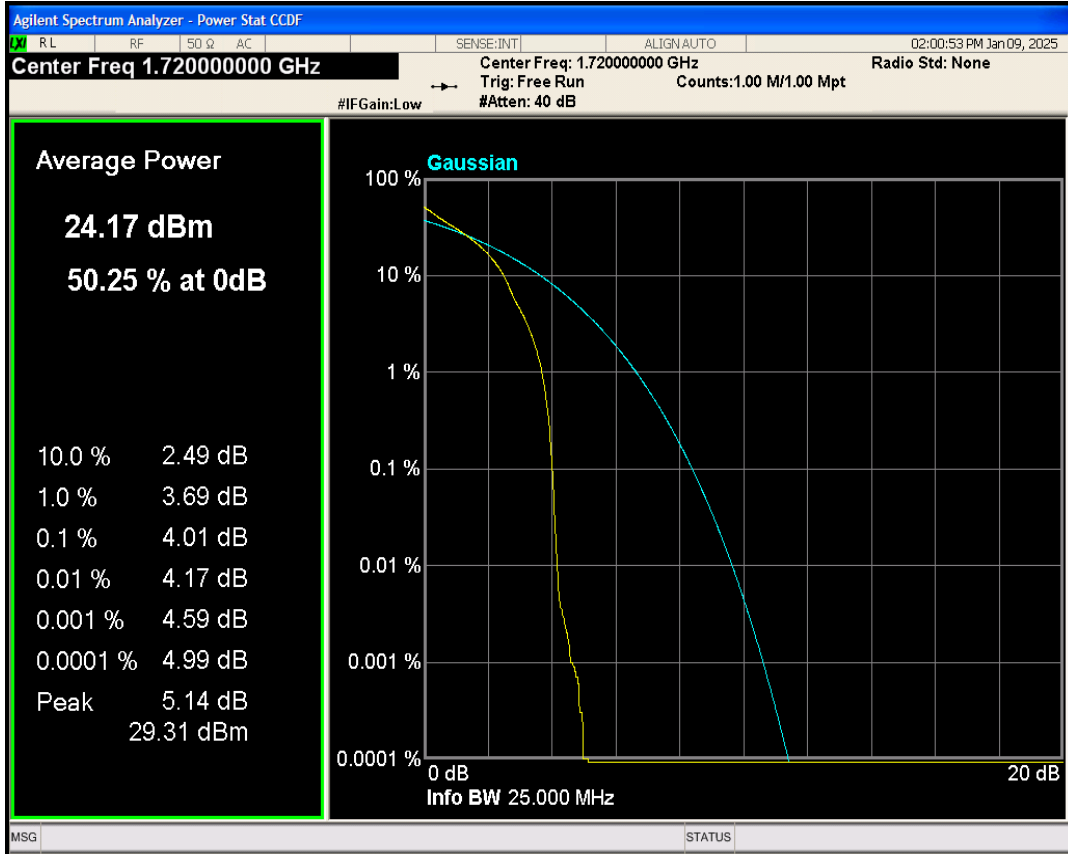
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



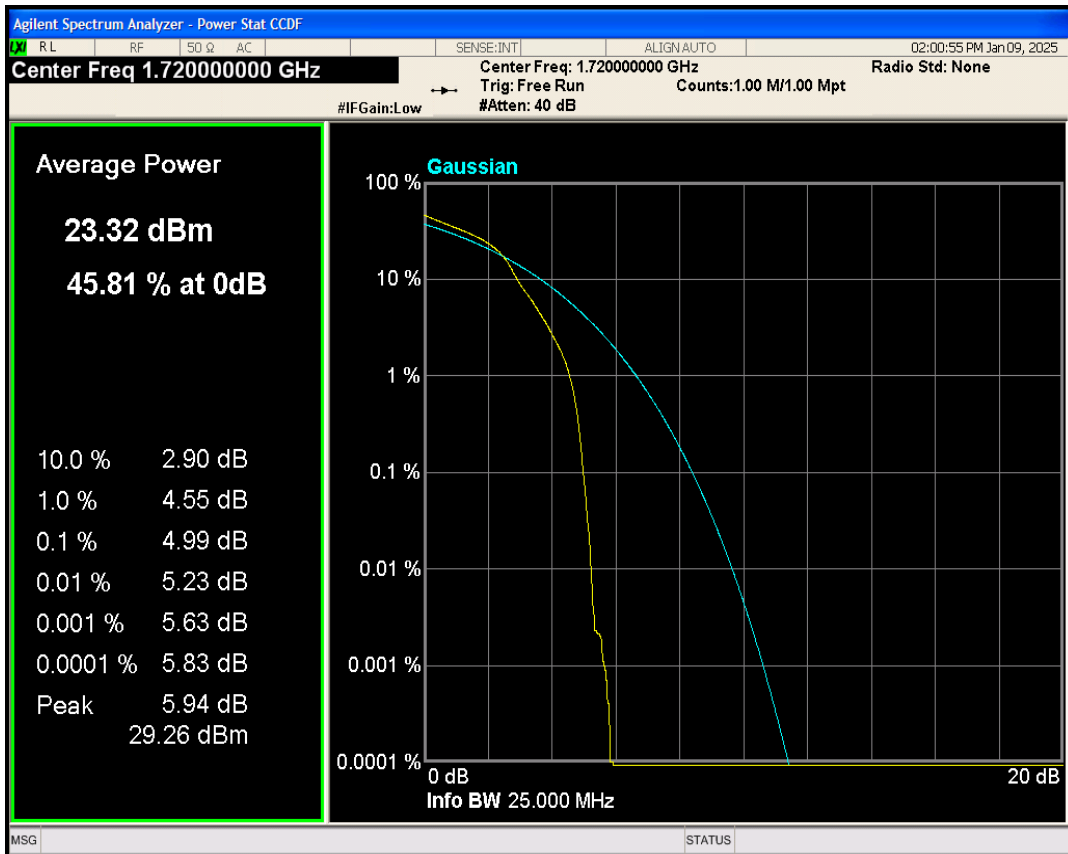
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



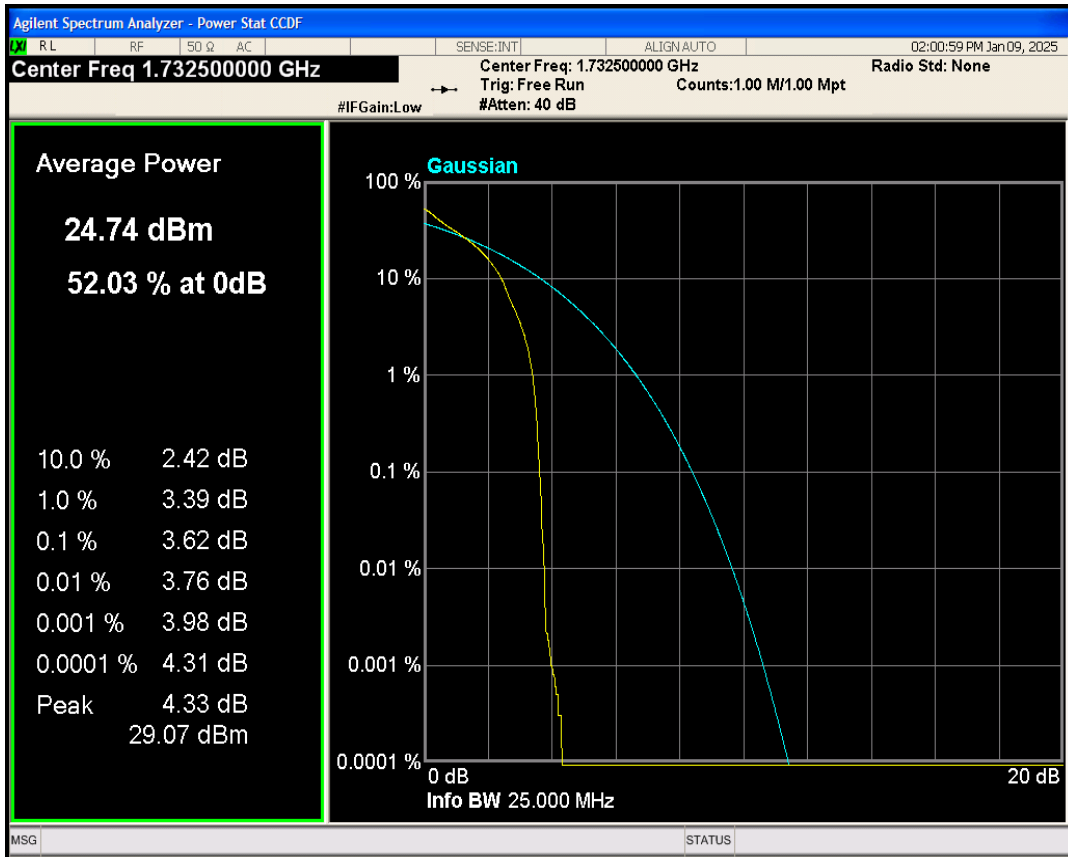
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



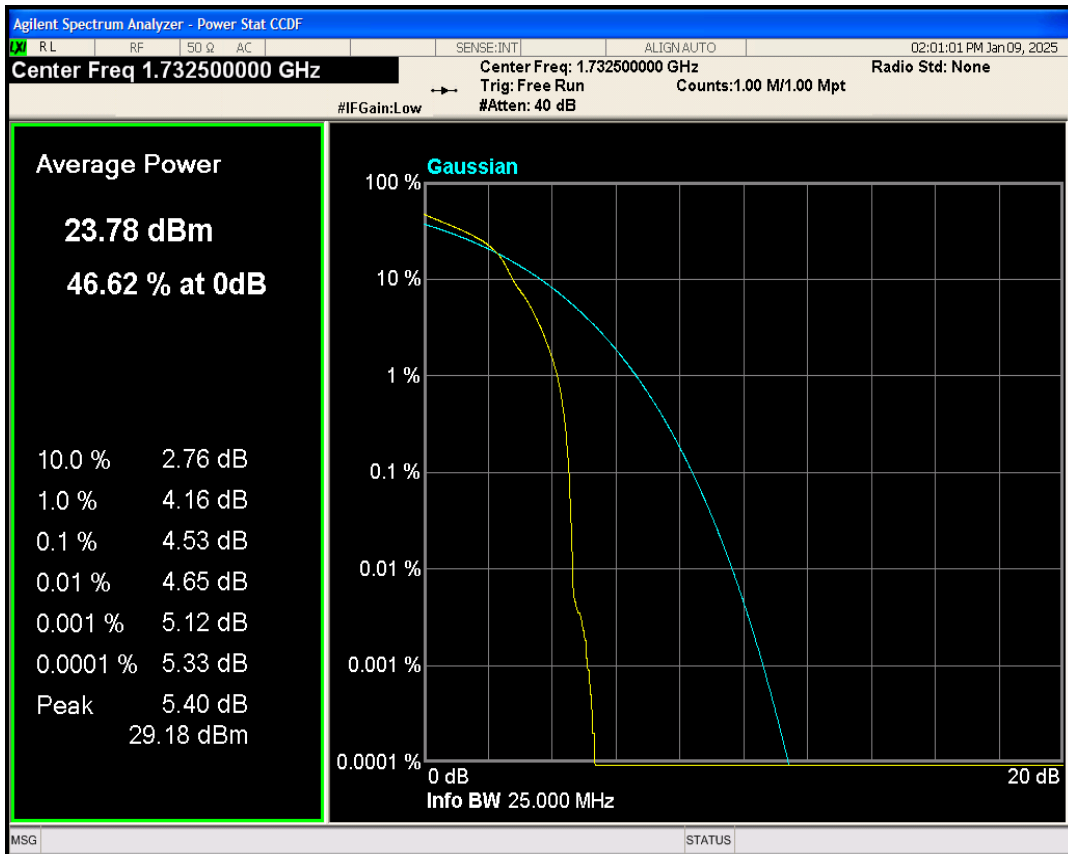
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



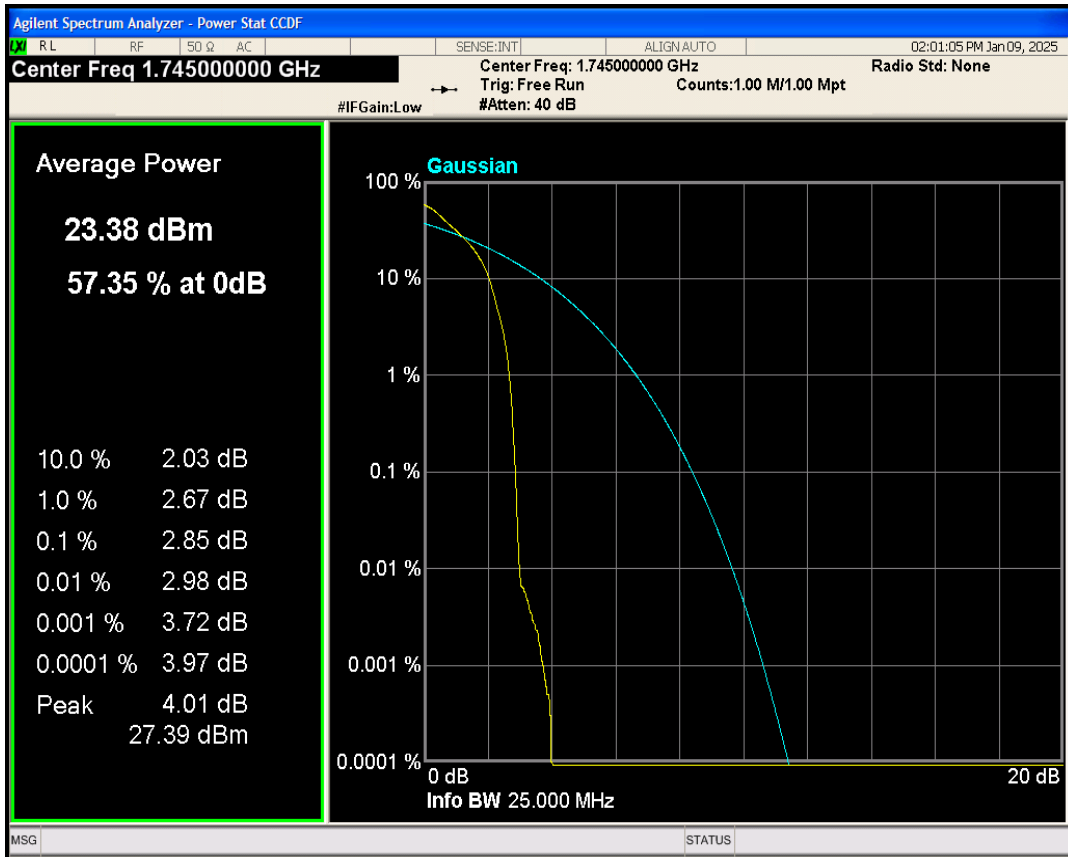
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



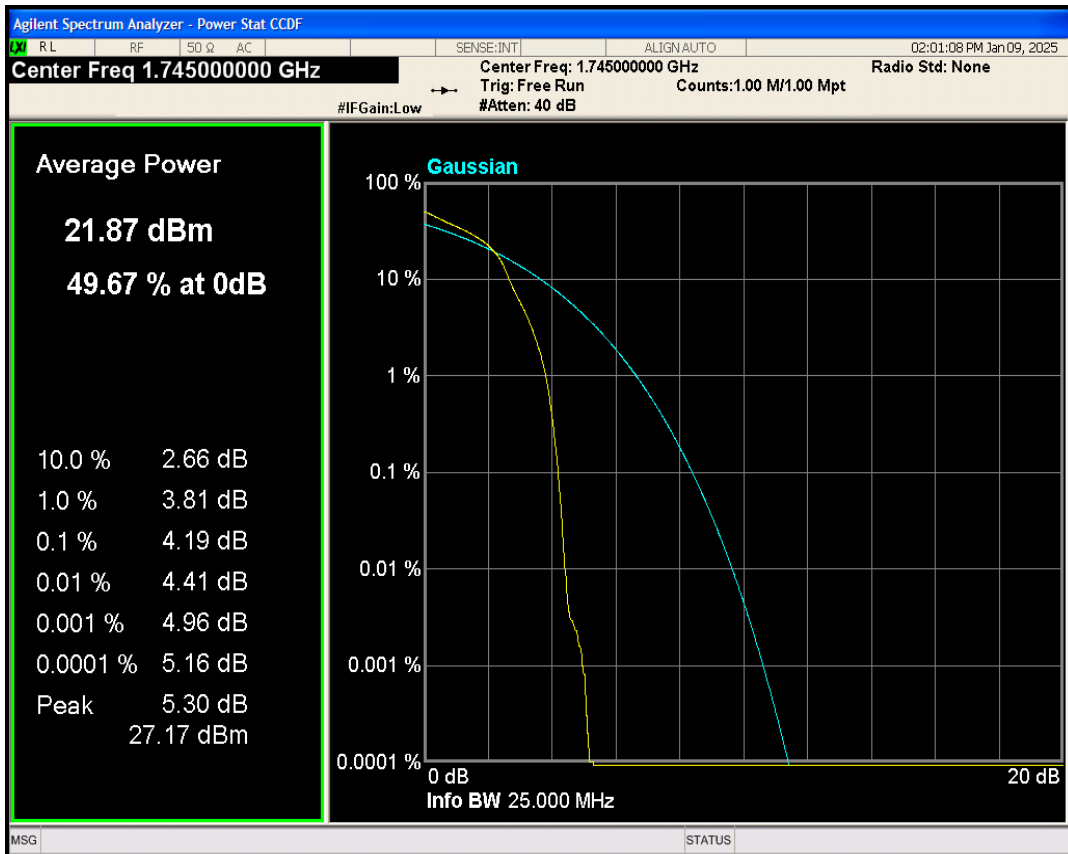
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



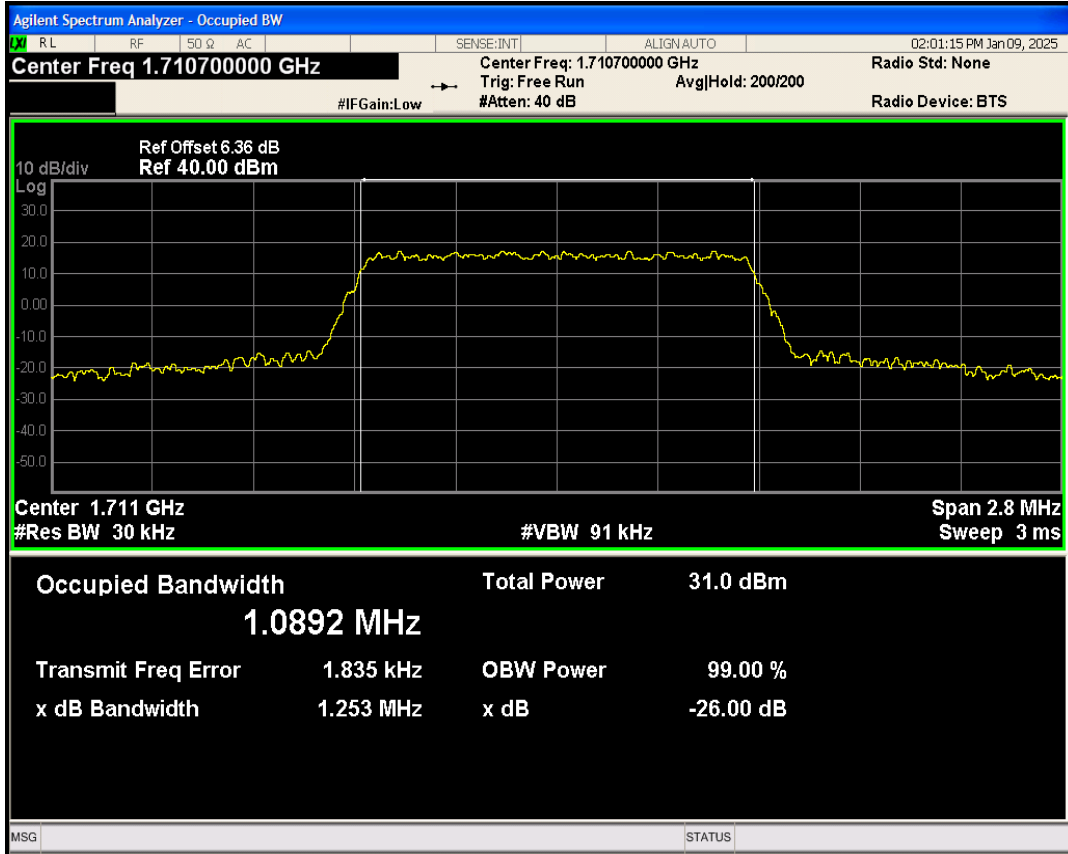
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



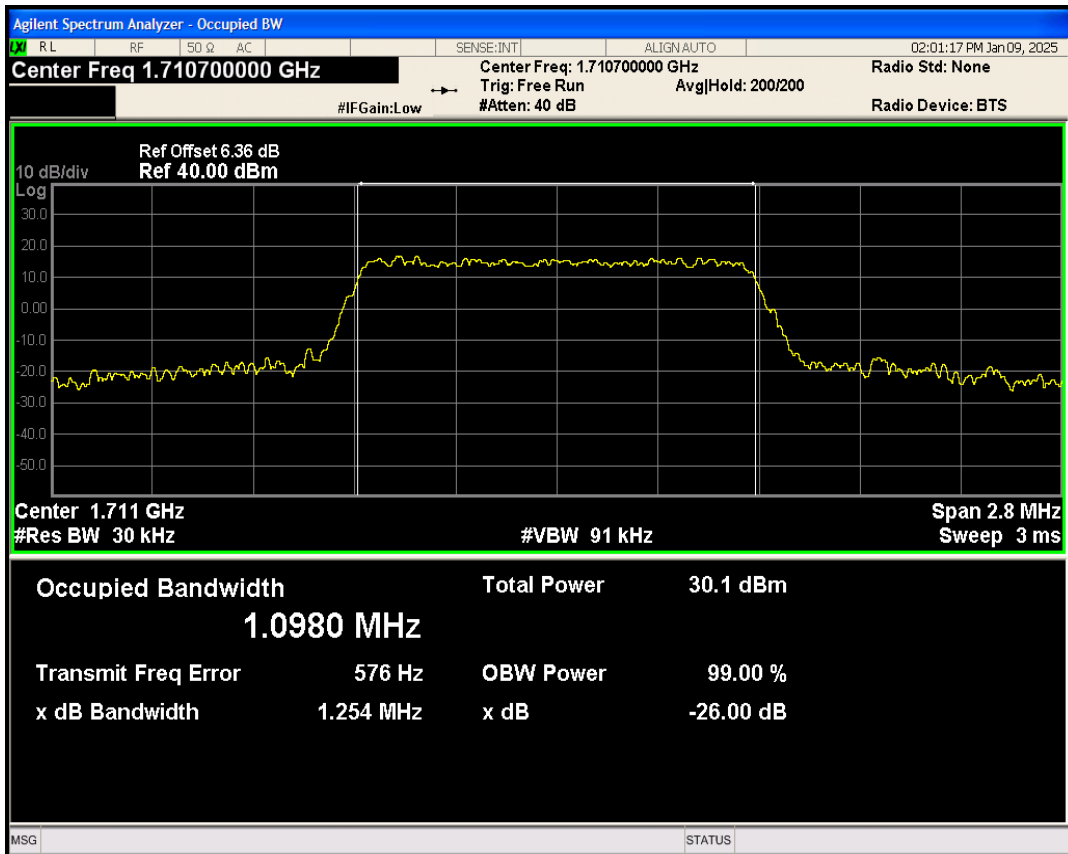
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.089	1.253	PASS
Band4	1.4	19957	6	#0	16QAM	1.098	1.254	PASS
Band4	1.4	20175	6	#0	QPSK	1.100	1.252	PASS
Band4	1.4	20175	6	#0	16QAM	1.096	1.245	PASS
Band4	1.4	20393	6	#0	QPSK	1.101	1.256	PASS
Band4	1.4	20393	6	#0	16QAM	1.098	1.258	PASS
Band4	3	19965	15	#0	QPSK	2.709	3.040	PASS
Band4	3	19965	15	#0	16QAM	2.710	3.056	PASS
Band4	3	20175	15	#0	QPSK	2.708	3.031	PASS
Band4	3	20175	15	#0	16QAM	2.702	3.020	PASS
Band4	3	20385	15	#0	QPSK	2.720	3.032	PASS
Band4	3	20385	15	#0	16QAM	2.708	3.044	PASS
Band4	5	19975	25	#0	QPSK	4.516	4.960	PASS
Band4	5	19975	25	#0	16QAM	4.513	4.988	PASS
Band4	5	20175	25	#0	QPSK	4.512	4.949	PASS
Band4	5	20175	25	#0	16QAM	4.521	4.995	PASS
Band4	5	20375	25	#0	QPSK	4.509	4.966	PASS
Band4	5	20375	25	#0	16QAM	4.503	4.942	PASS
Band4	10	20000	50	#0	QPSK	9.022	9.829	PASS
Band4	10	20000	50	#0	16QAM	8.993	9.819	PASS
Band4	10	20175	50	#0	QPSK	8.977	9.876	PASS
Band4	10	20175	50	#0	16QAM	8.995	9.909	PASS
Band4	10	20350	50	#0	QPSK	8.994	9.758	PASS
Band4	10	20350	50	#0	16QAM	8.989	9.874	PASS
Band4	15	20025	75	#0	QPSK	13.497	14.781	PASS
Band4	15	20025	75	#0	16QAM	13.477	14.875	PASS
Band4	15	20175	75	#0	QPSK	13.483	14.716	PASS
Band4	15	20175	75	#0	16QAM	13.568	14.927	PASS
Band4	15	20325	75	#0	QPSK	13.507	14.941	PASS
Band4	15	20325	75	#0	16QAM	13.539	14.828	PASS
Band4	20	20050	100	#0	QPSK	17.953	19.562	PASS
Band4	20	20050	100	#0	16QAM	18.002	19.746	PASS
Band4	20	20175	100	#0	QPSK	17.990	19.525	PASS
Band4	20	20175	100	#0	16QAM	18.030	20.056	PASS
Band4	20	20300	100	#0	QPSK	18.052	19.709	PASS
Band4	20	20300	100	#0	16QAM	18.093	19.761	PASS

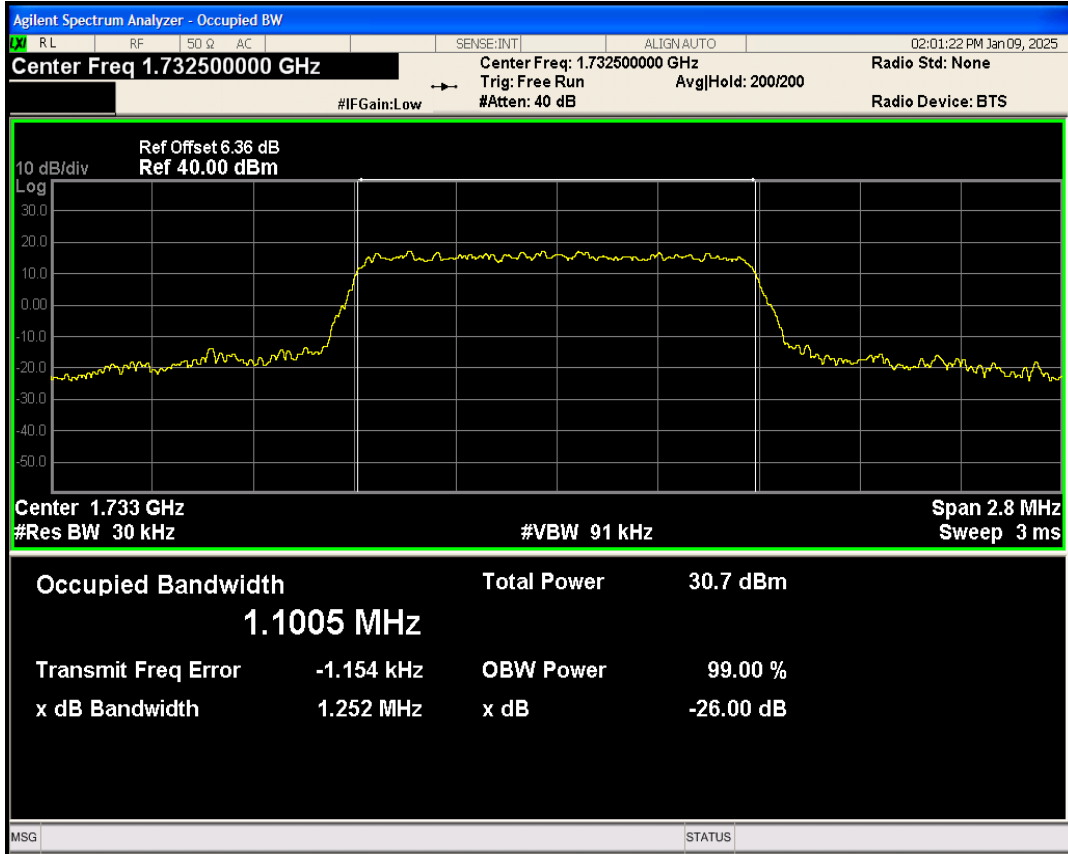
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



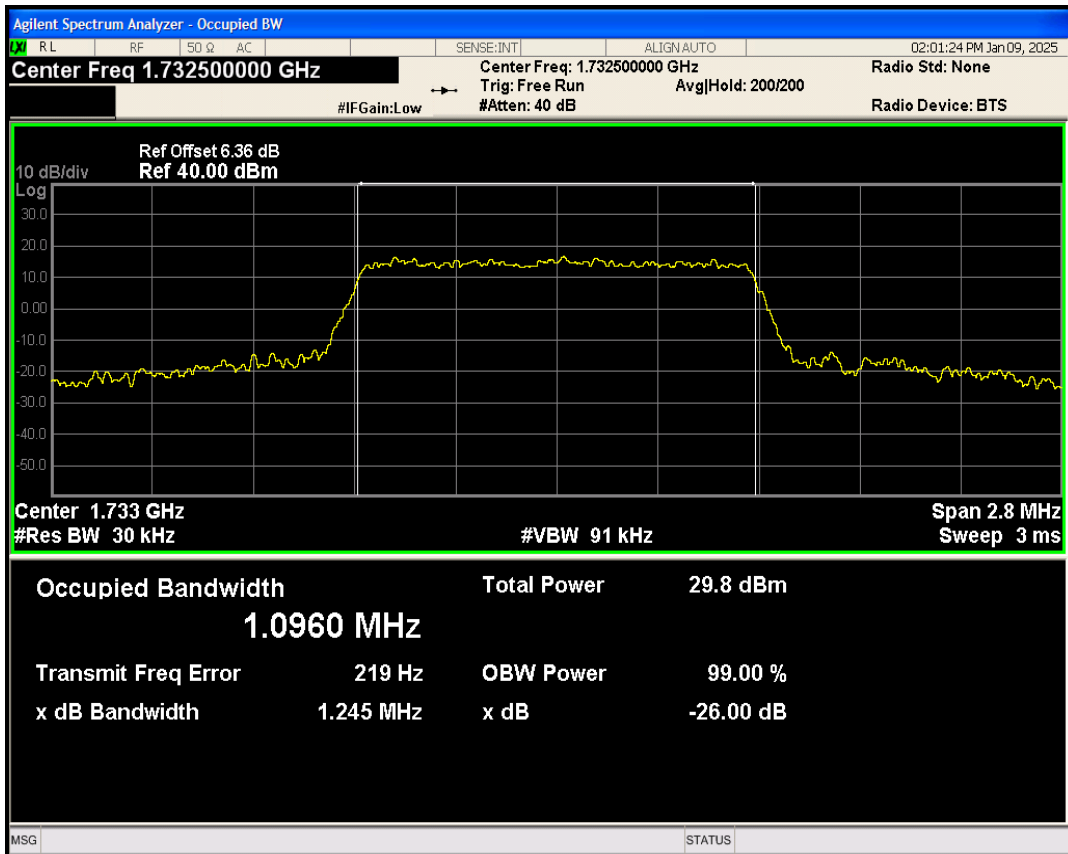
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



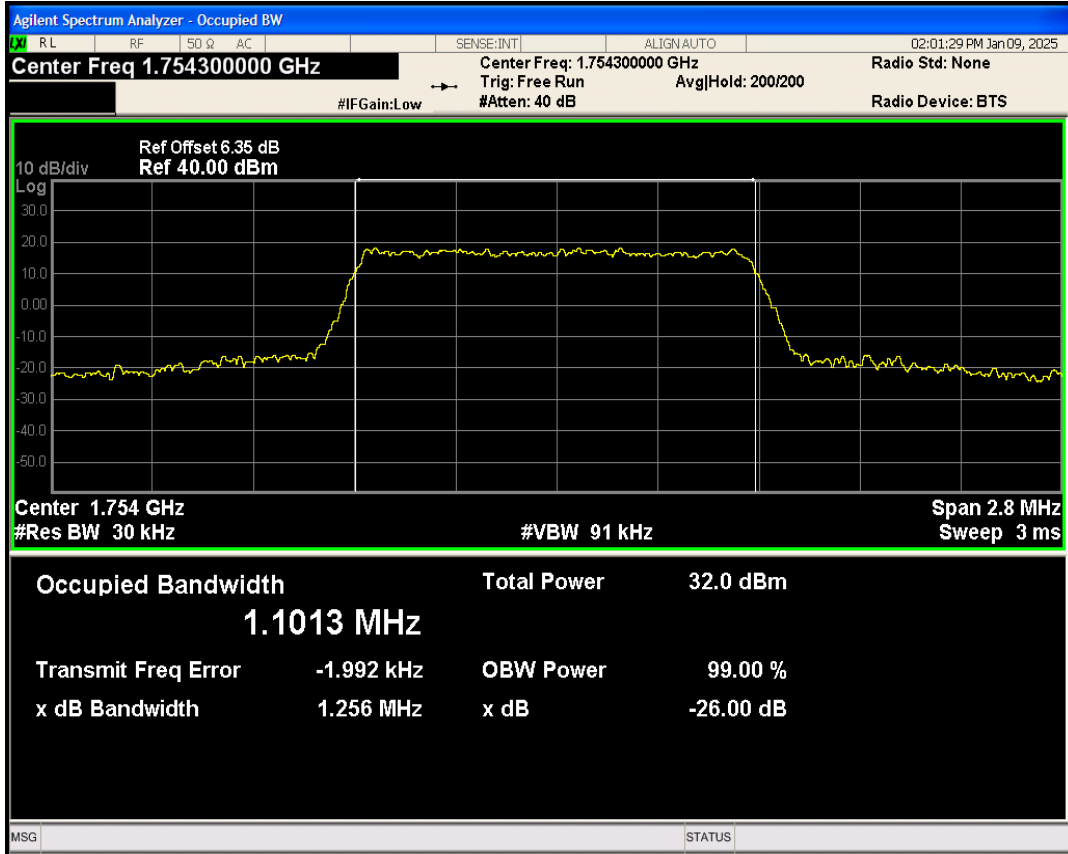
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



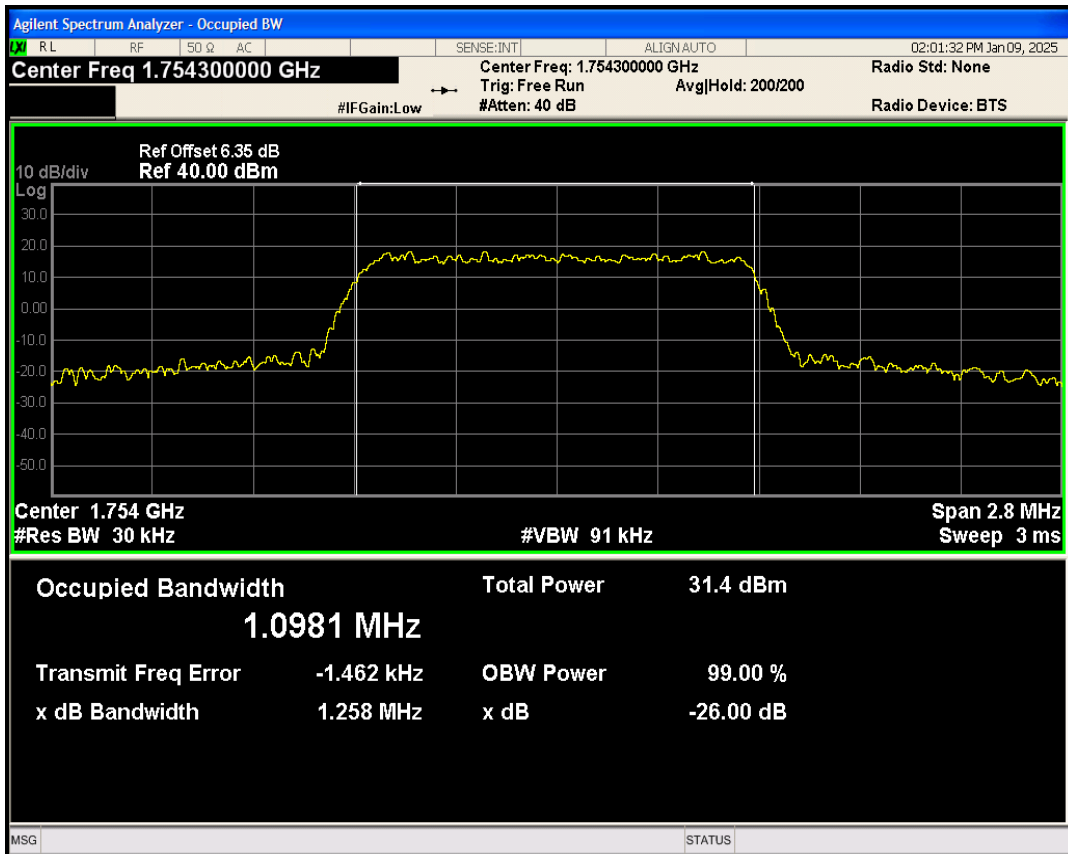
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



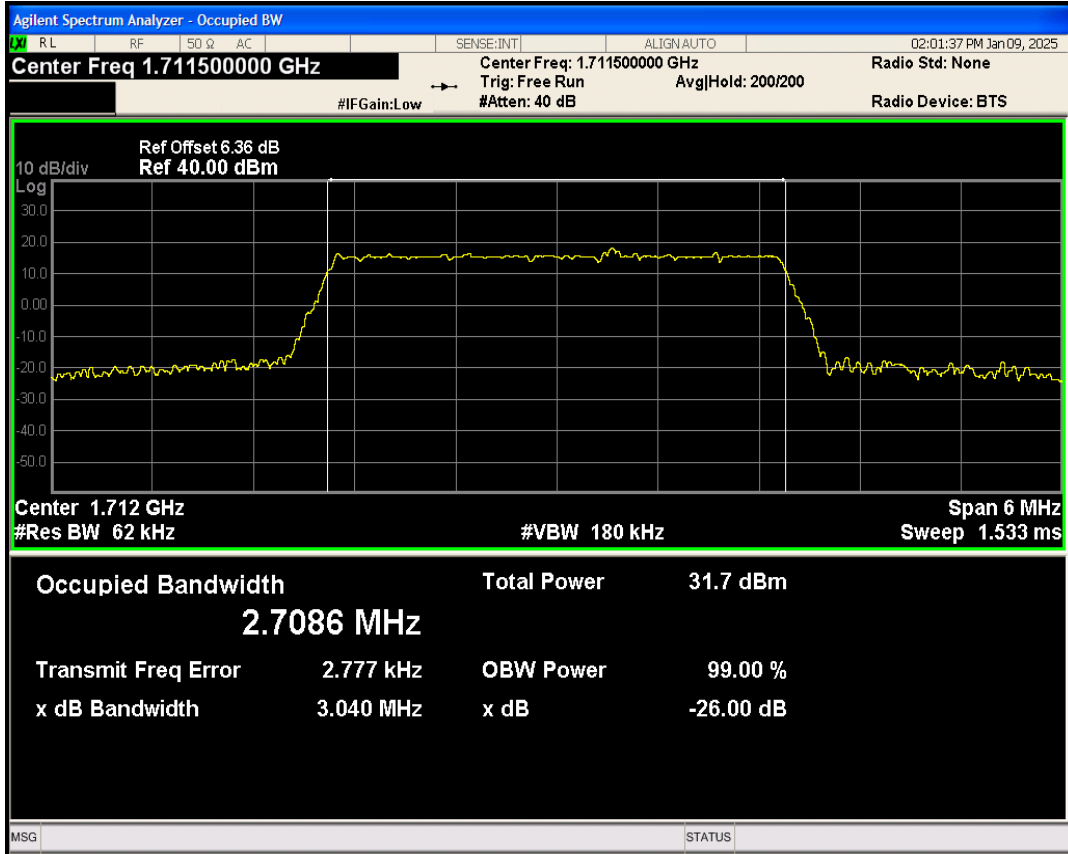
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



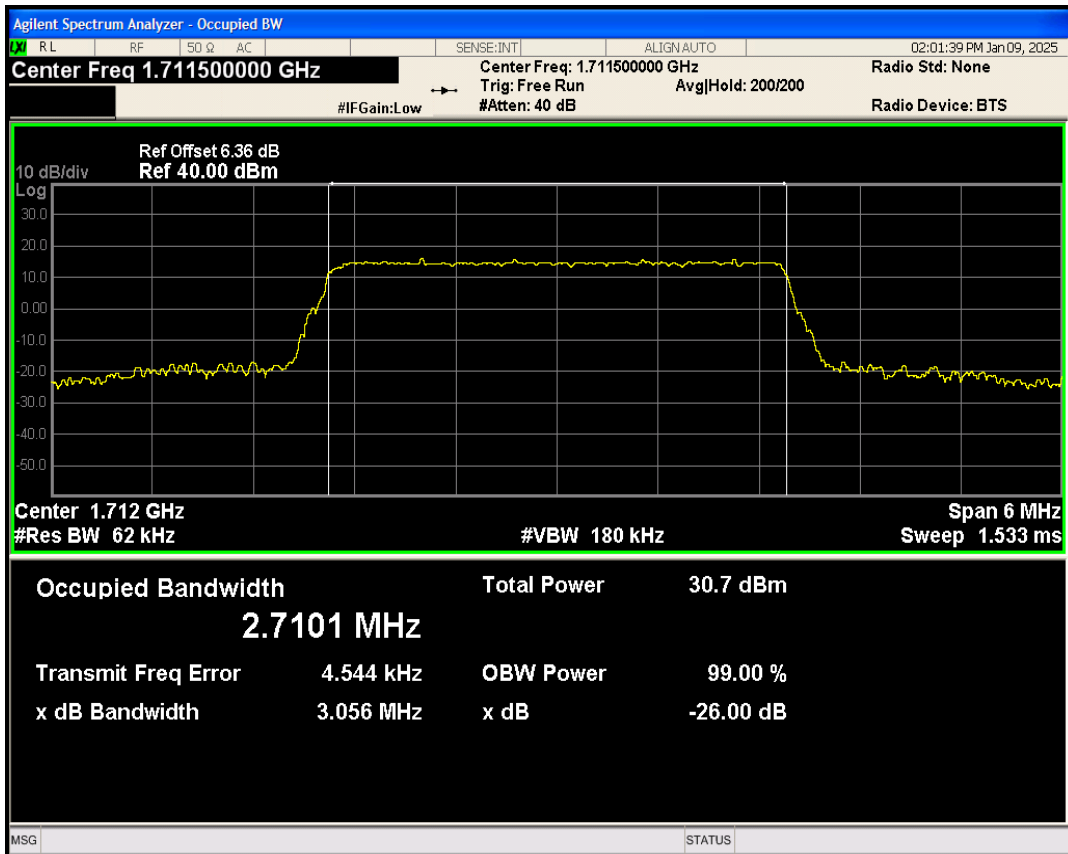
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



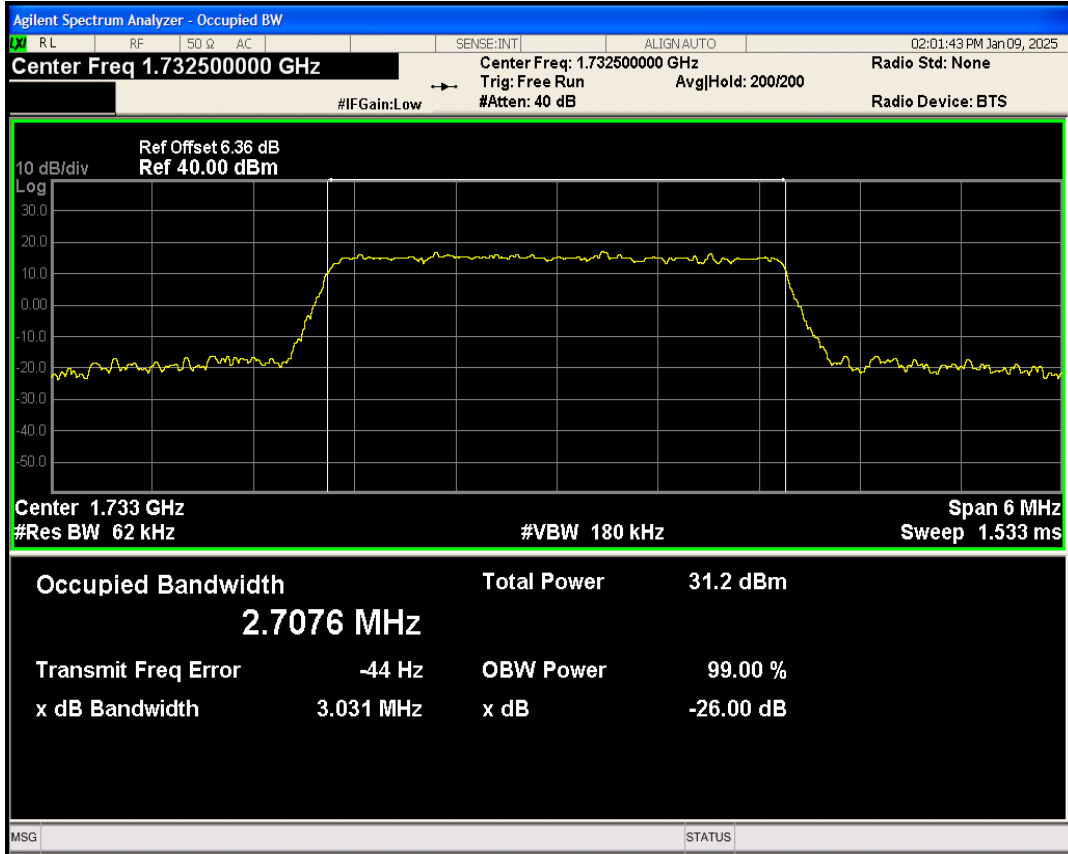
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



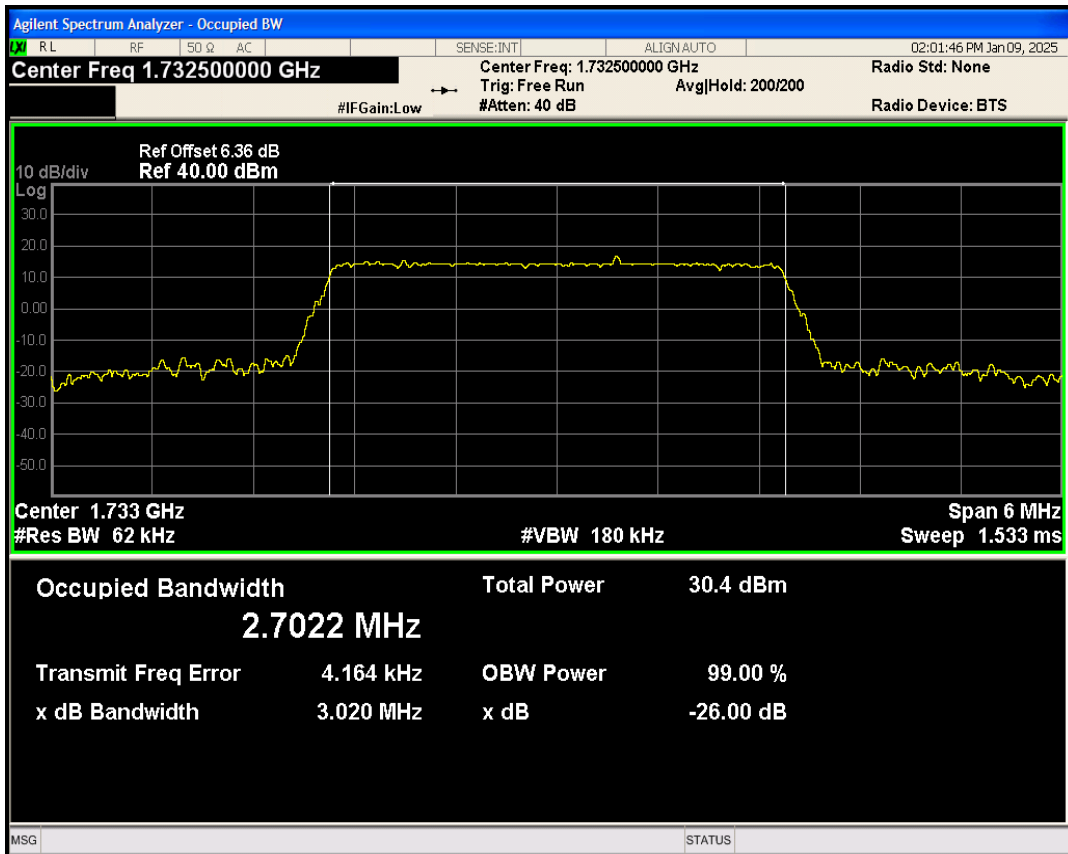
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



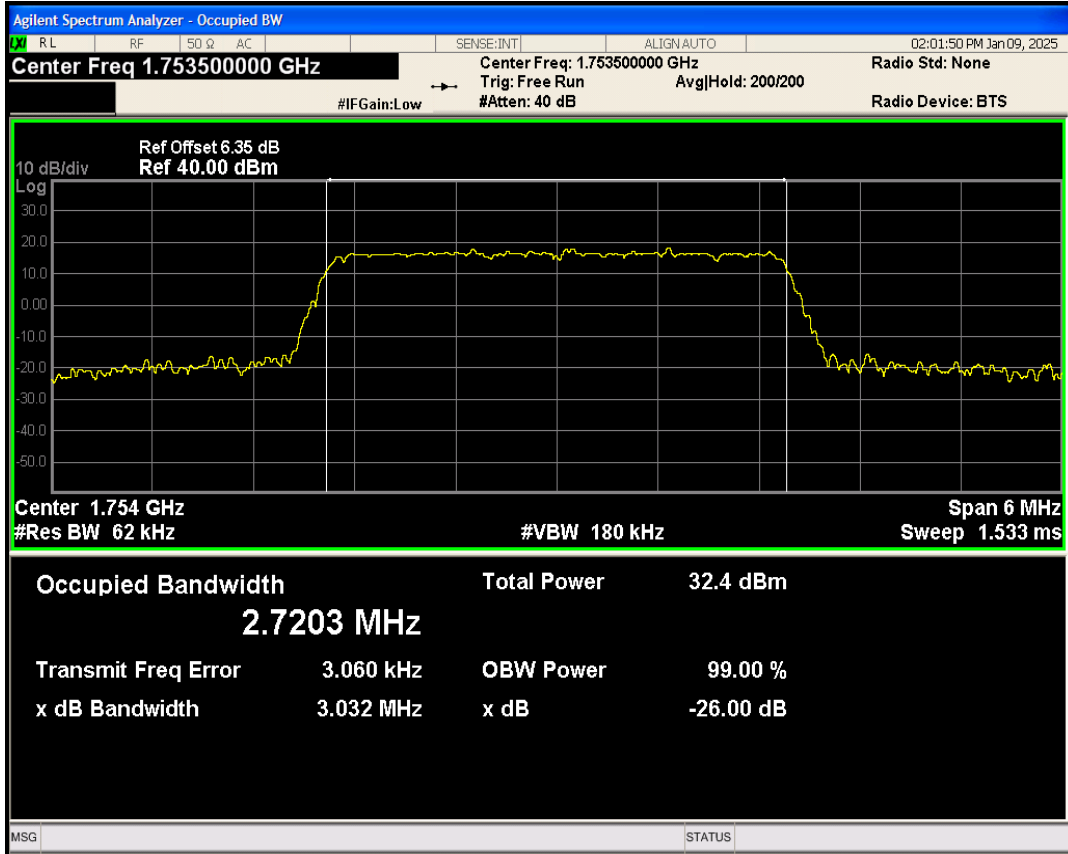
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



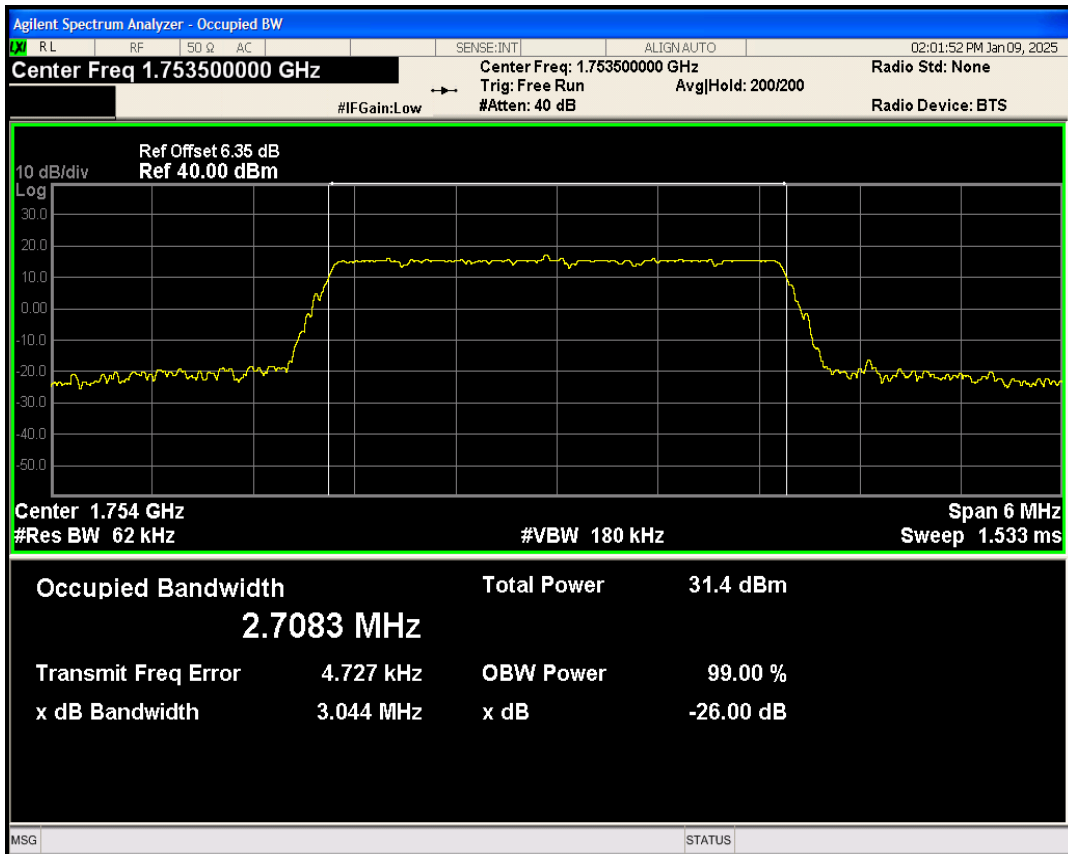
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



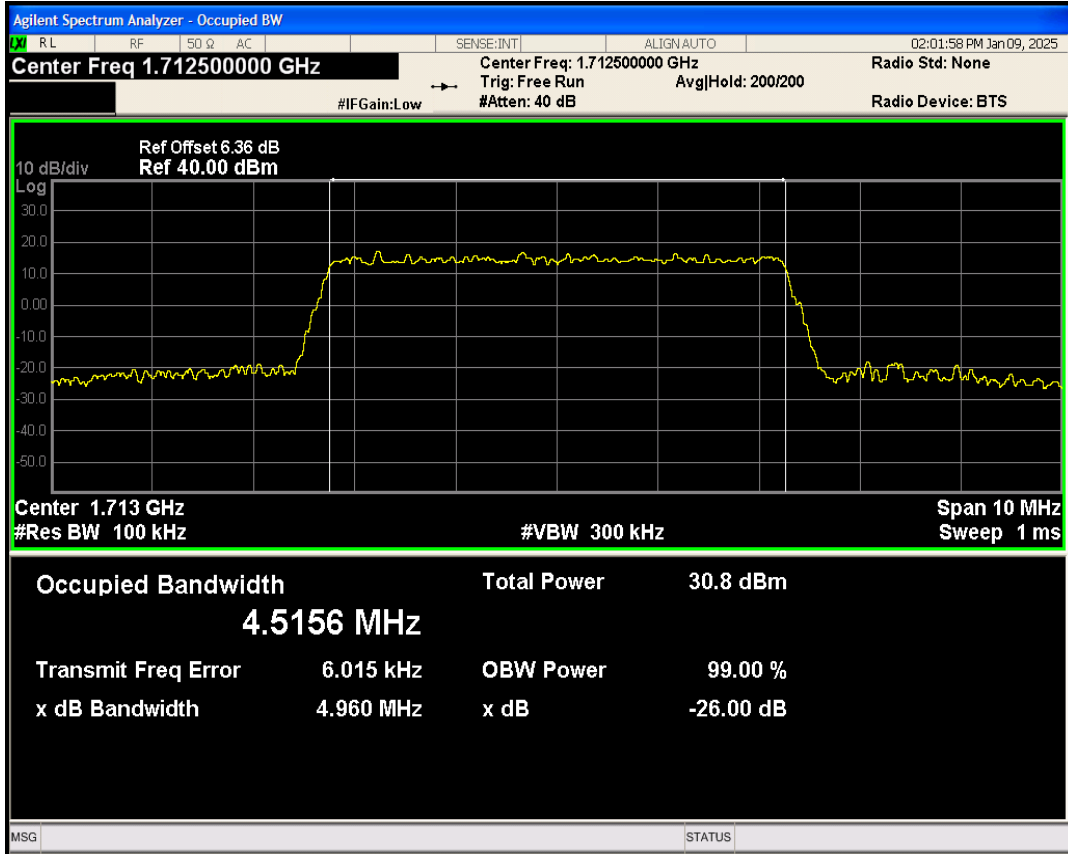
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



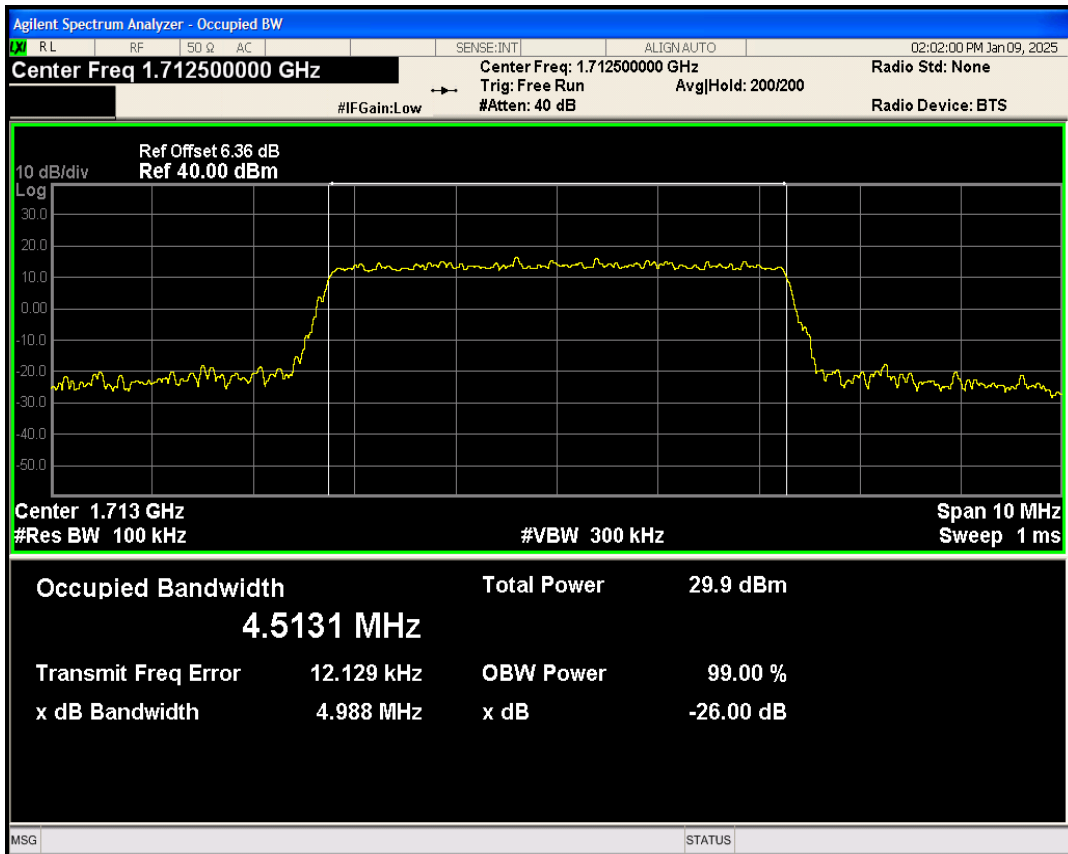
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



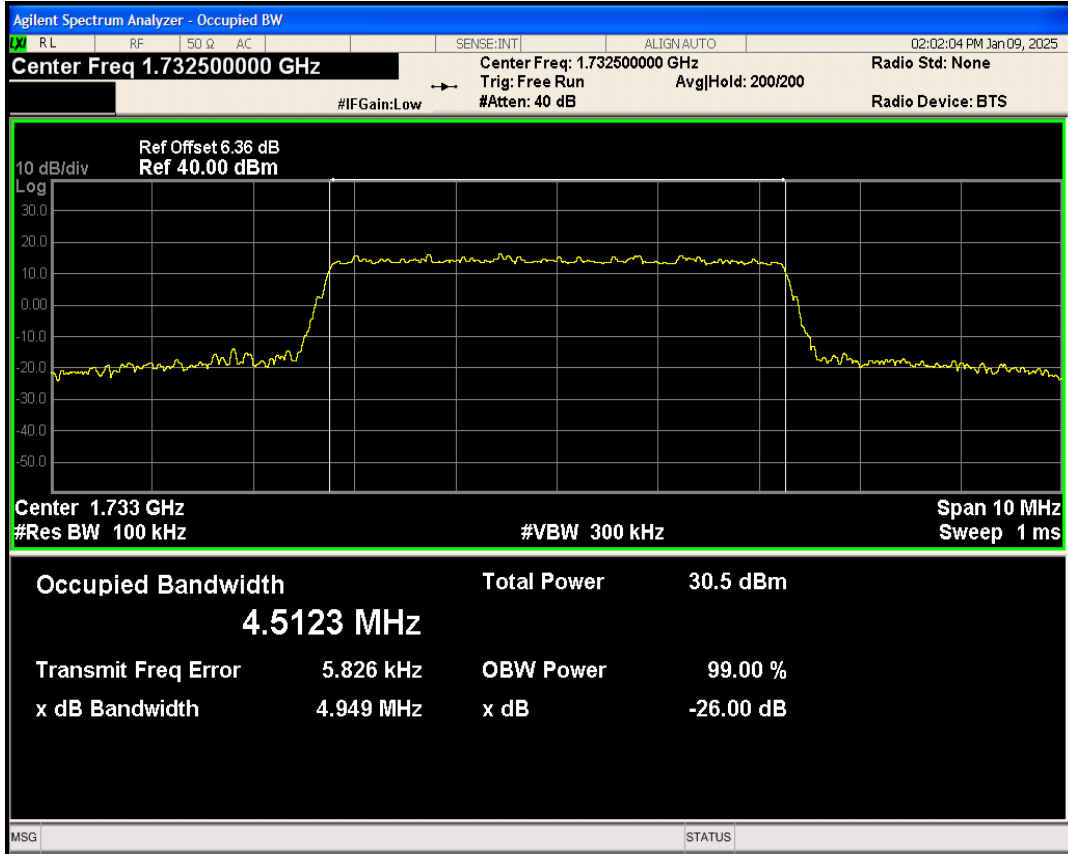
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



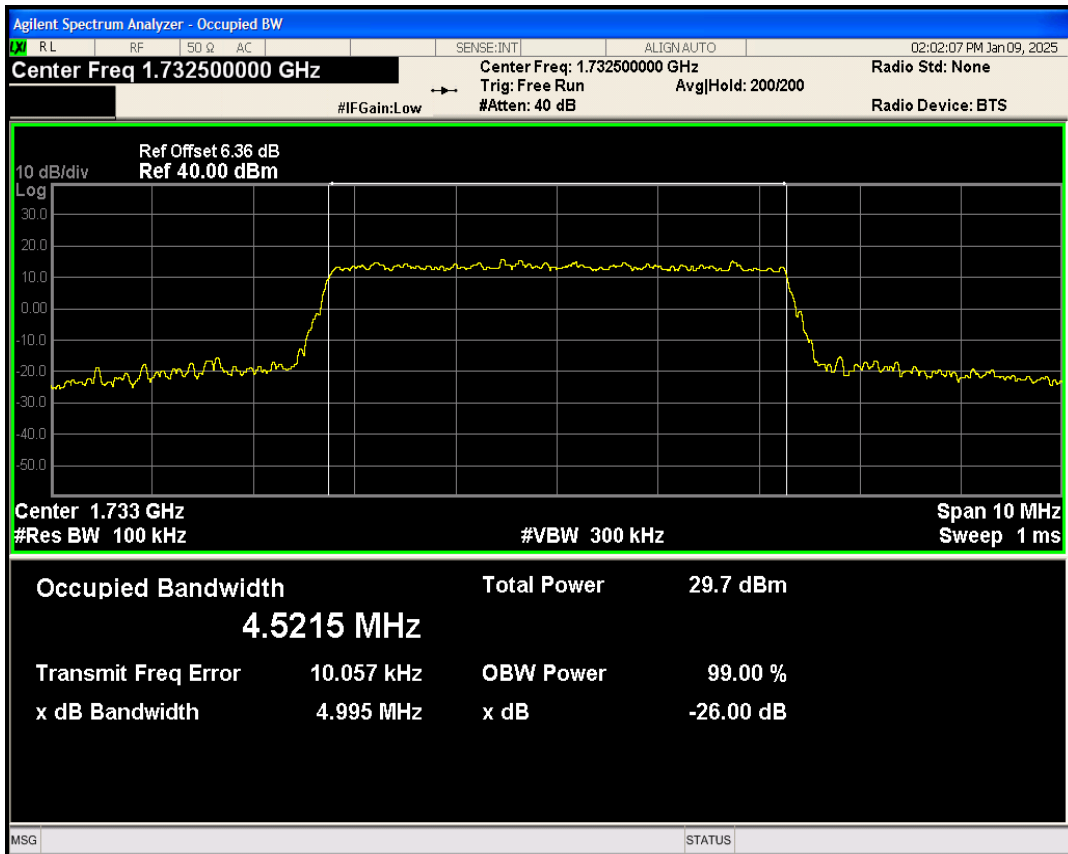
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



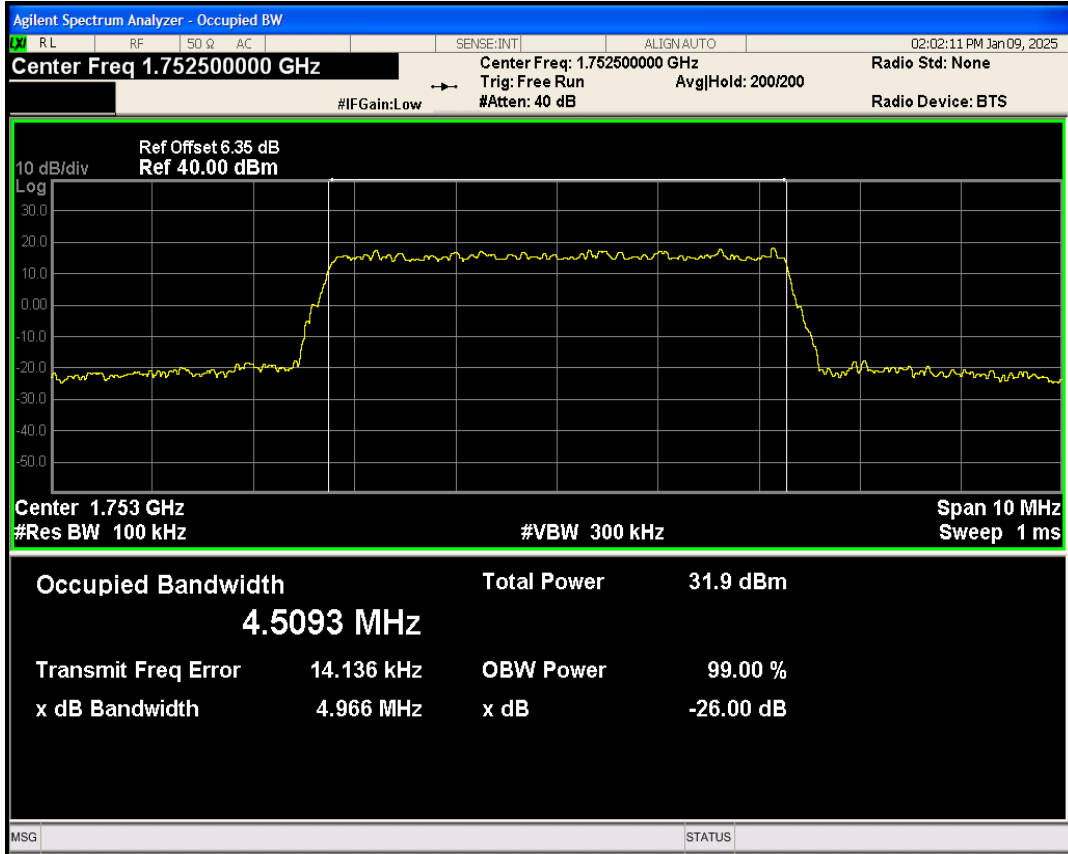
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



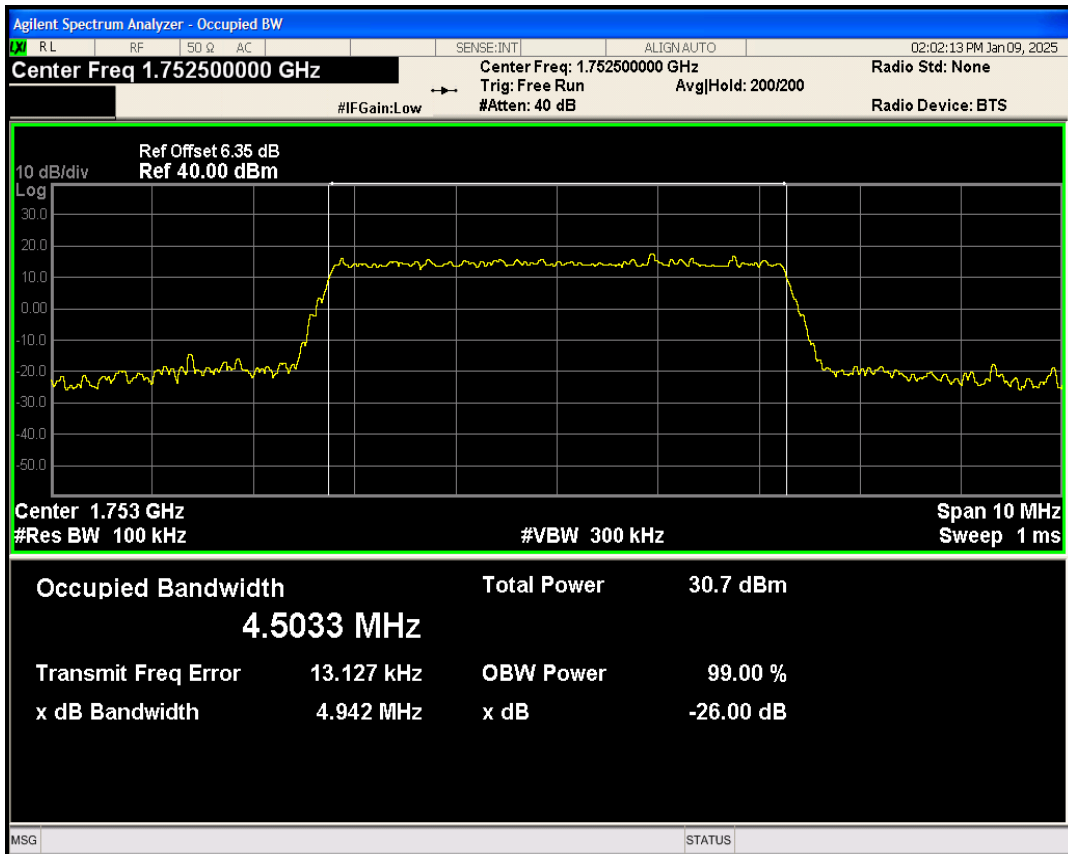
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



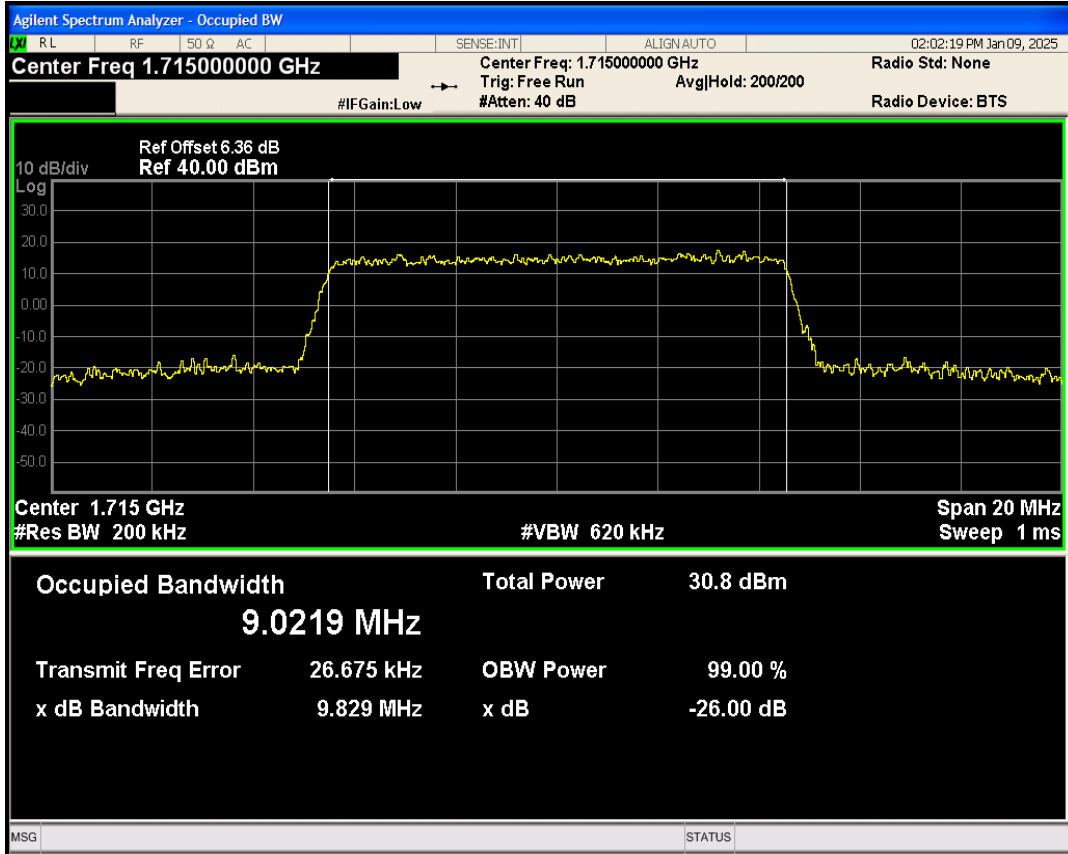
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



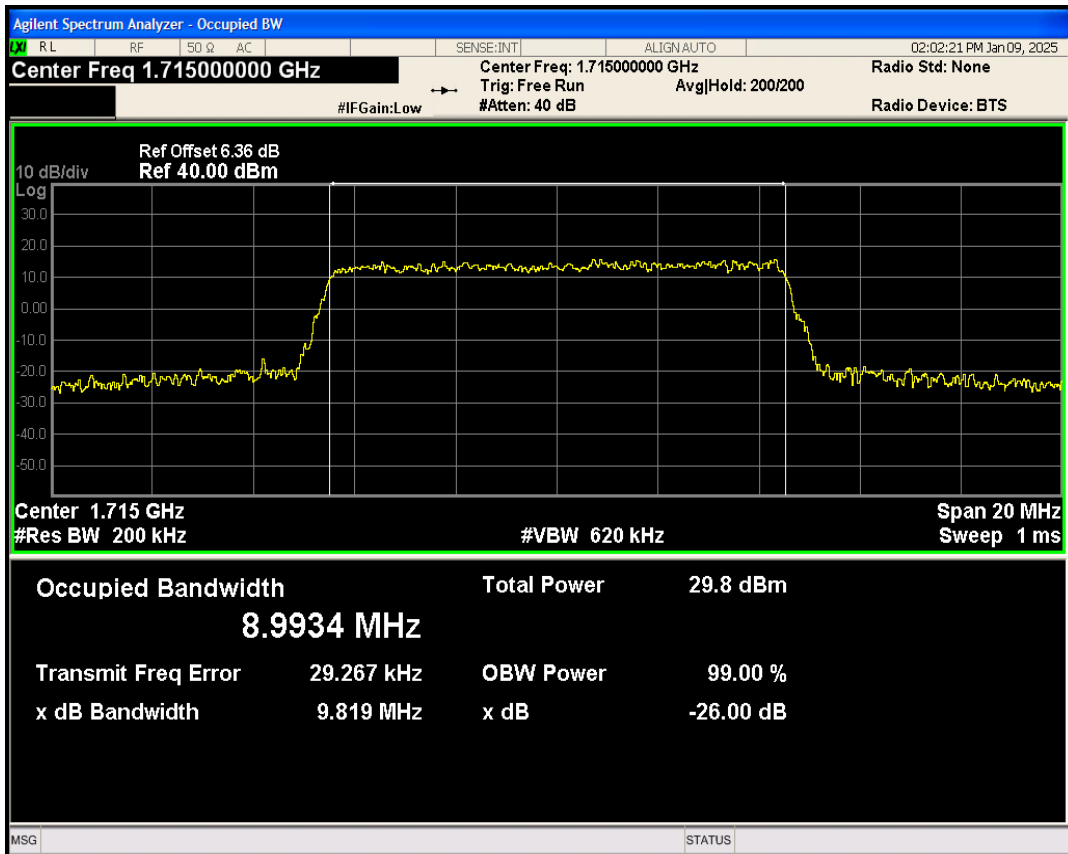
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



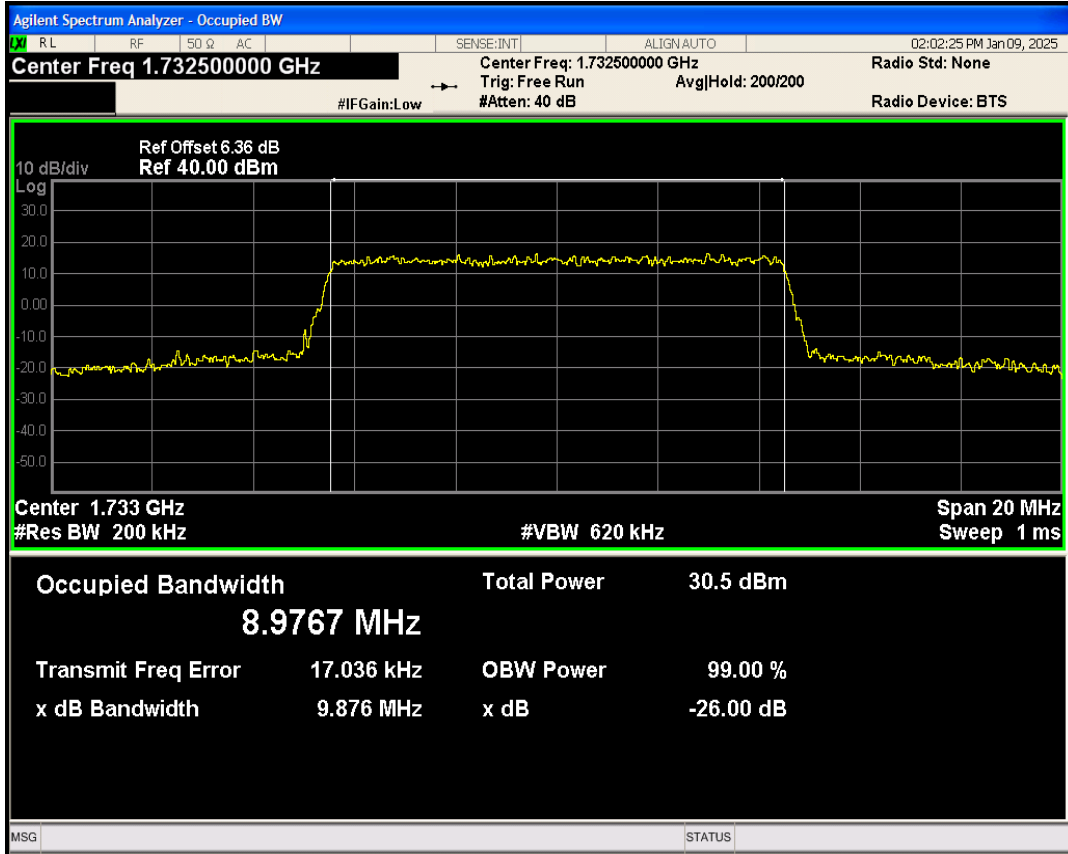
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



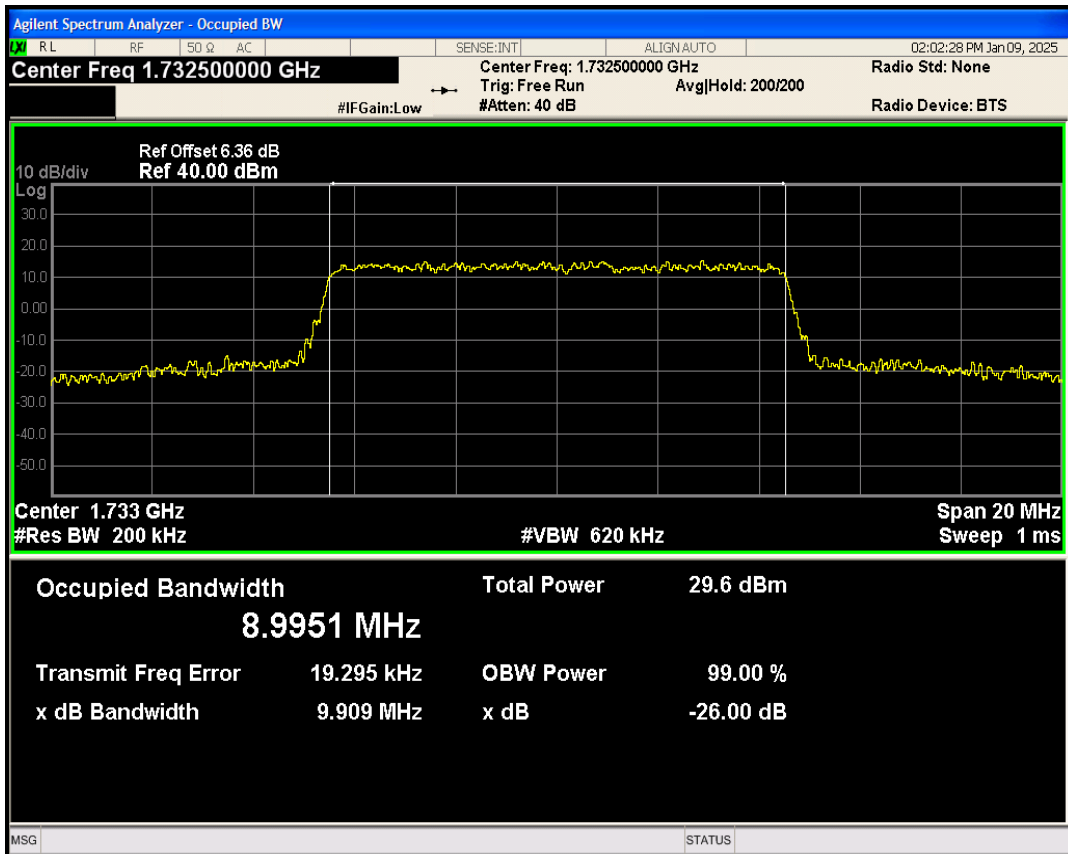
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



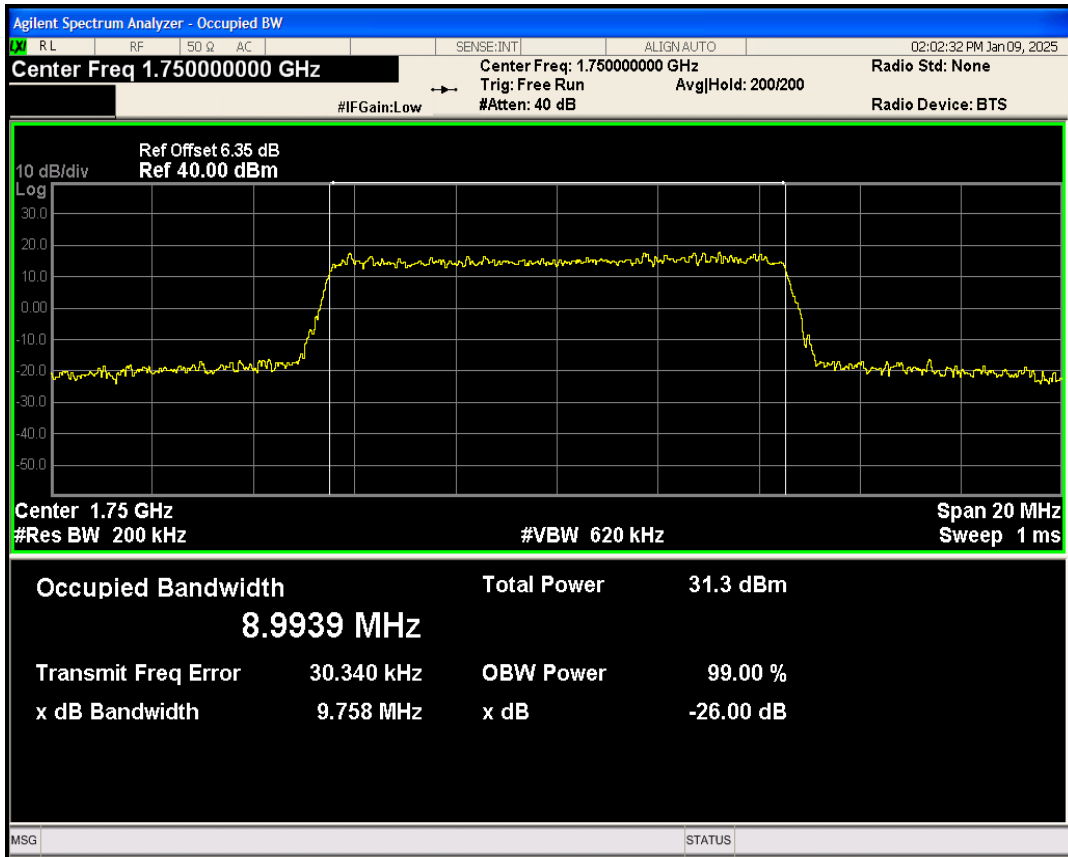
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



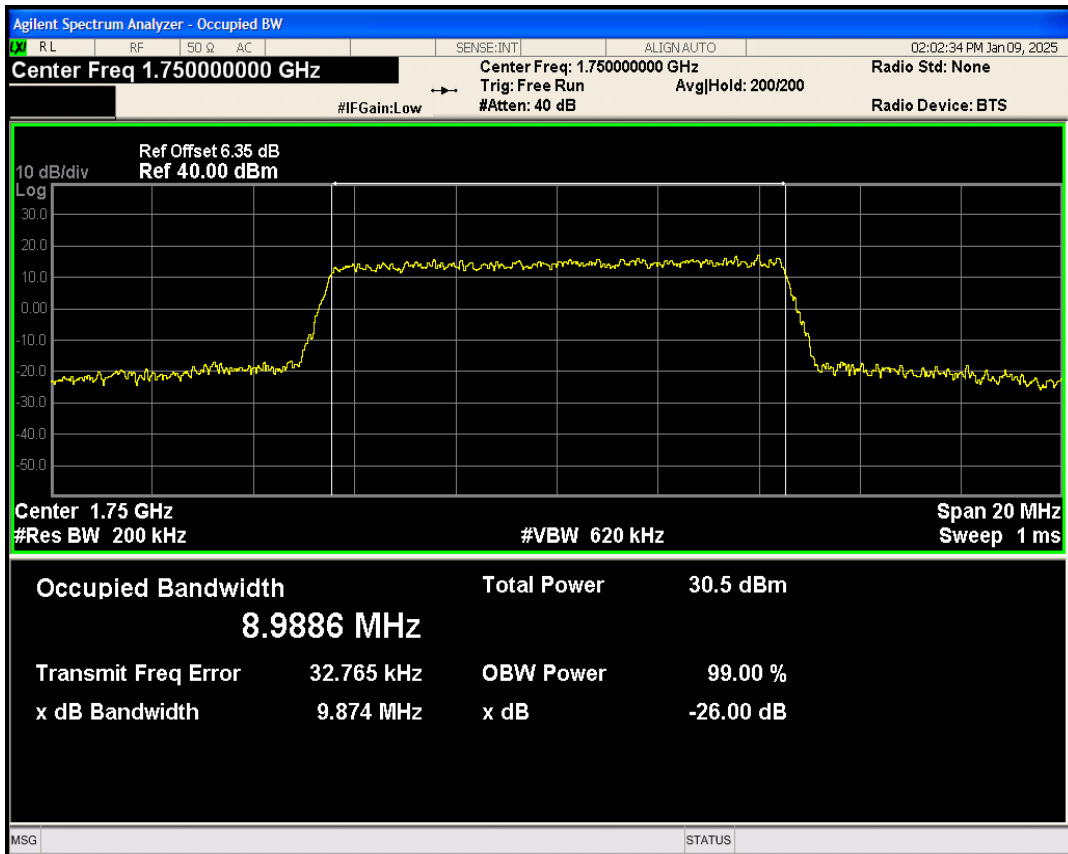
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



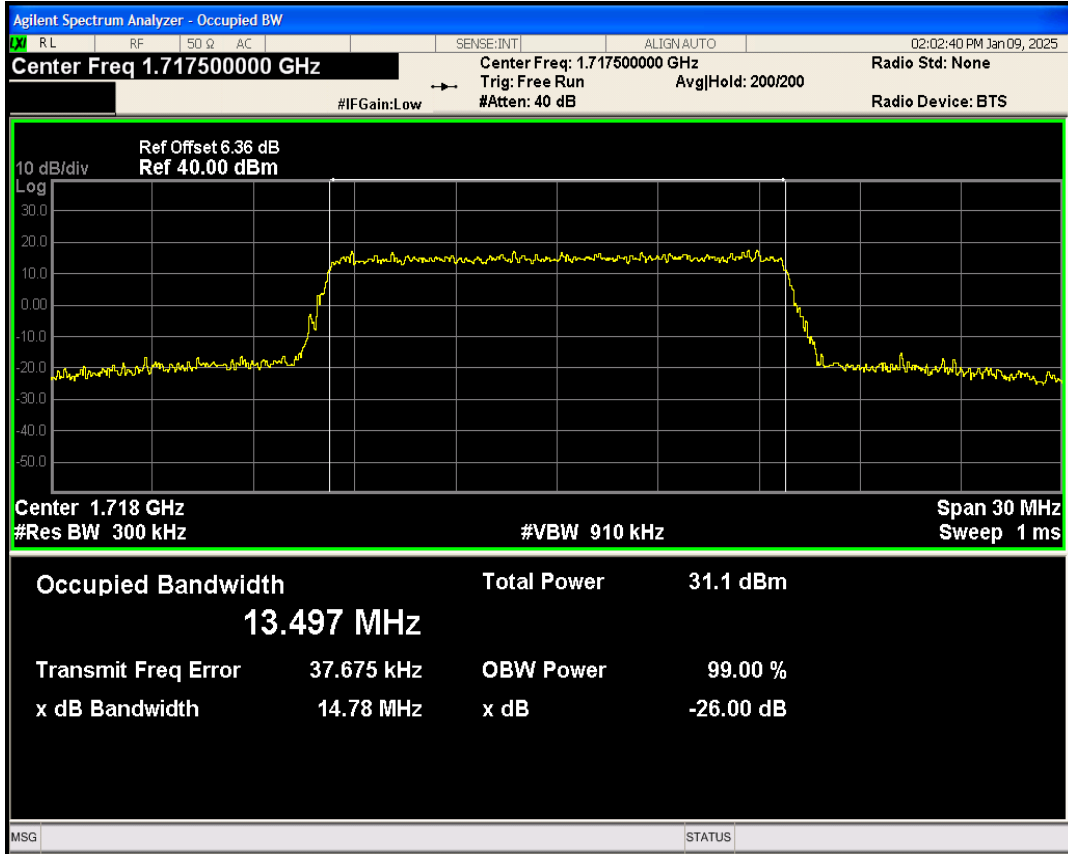
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



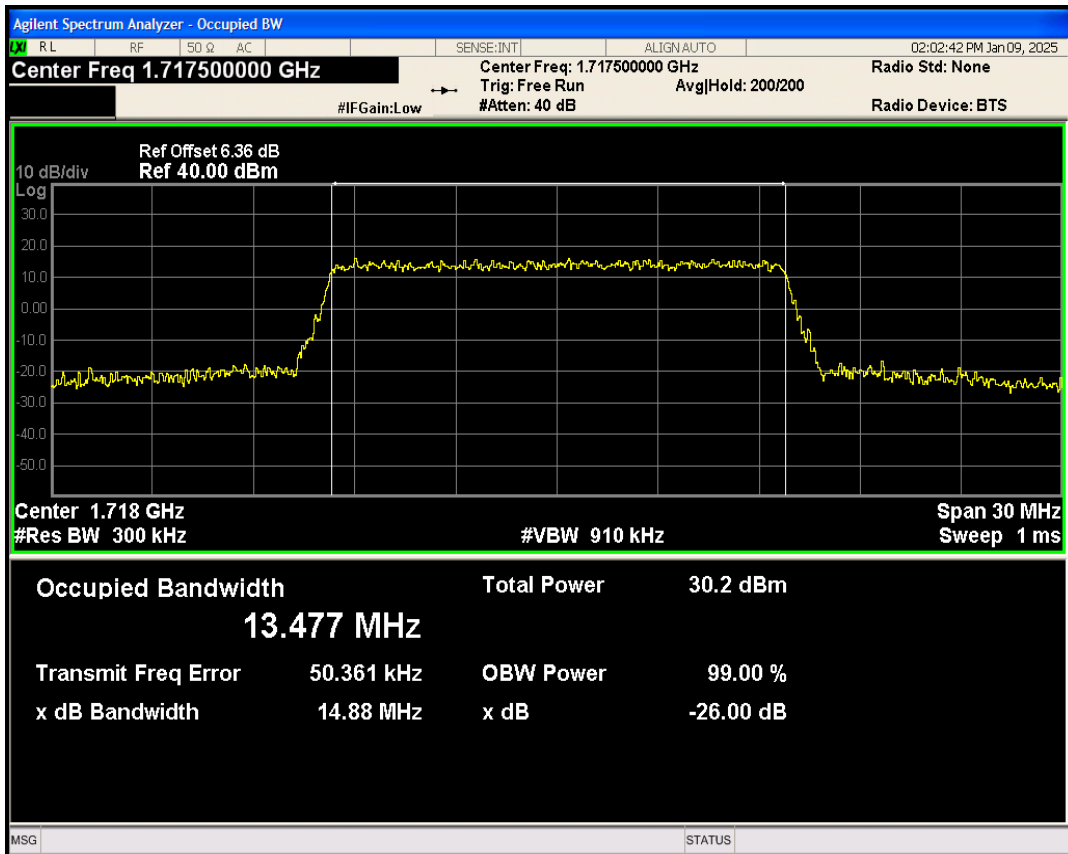
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



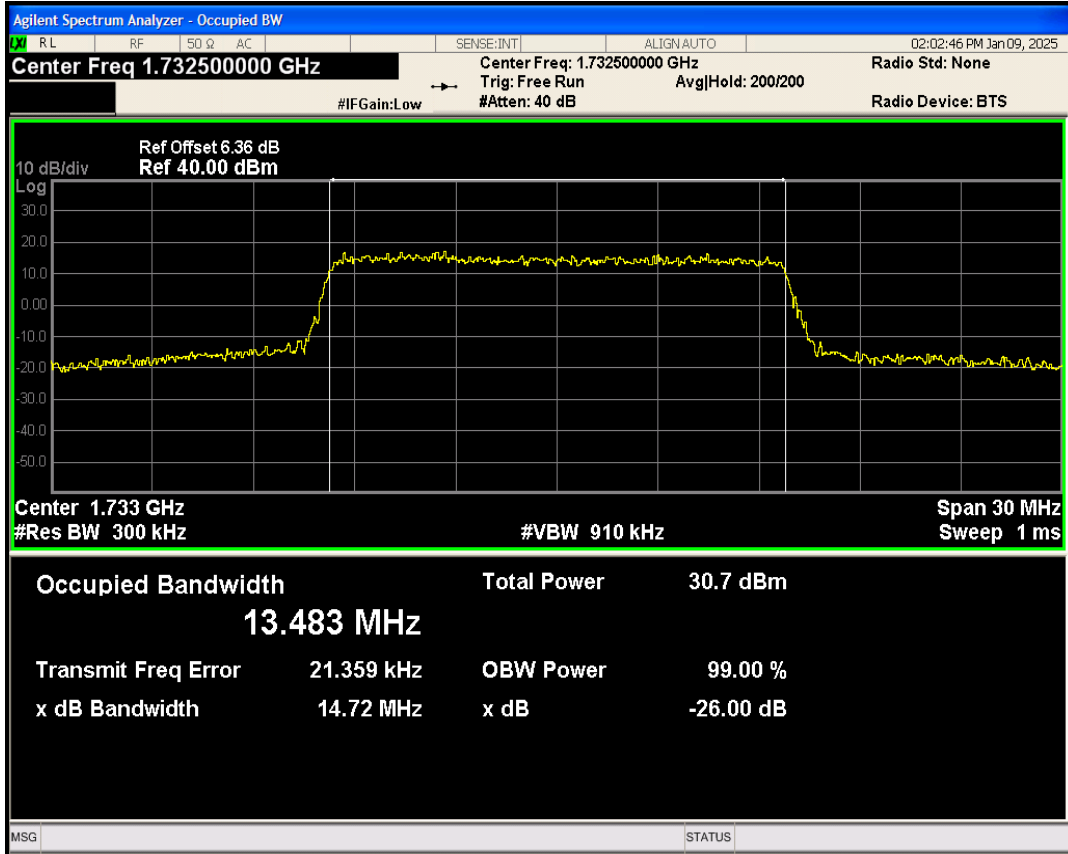
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



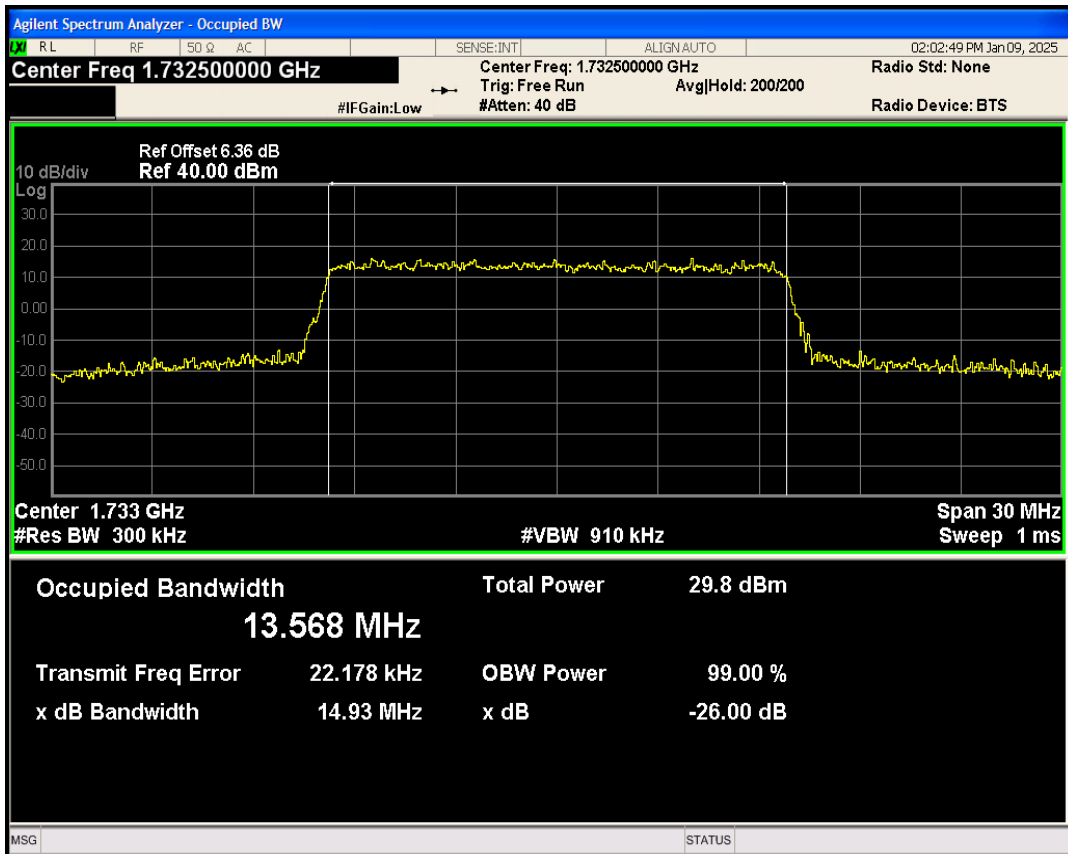
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



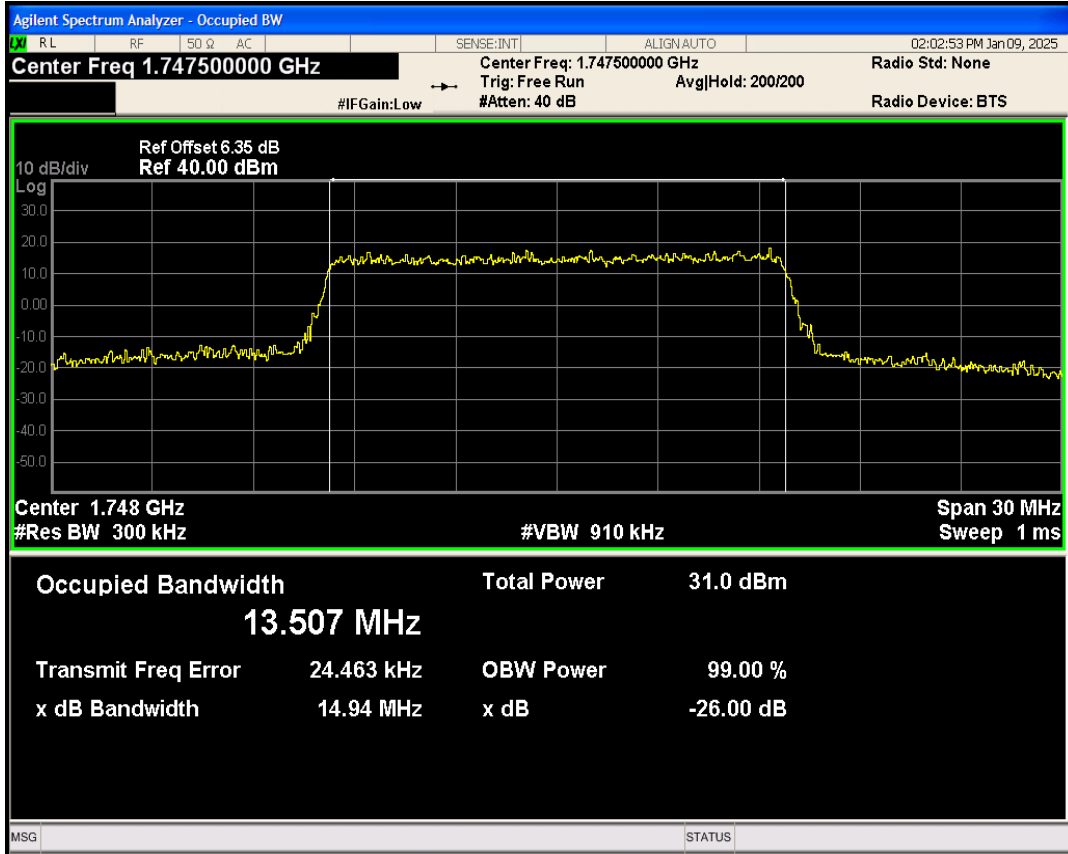
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



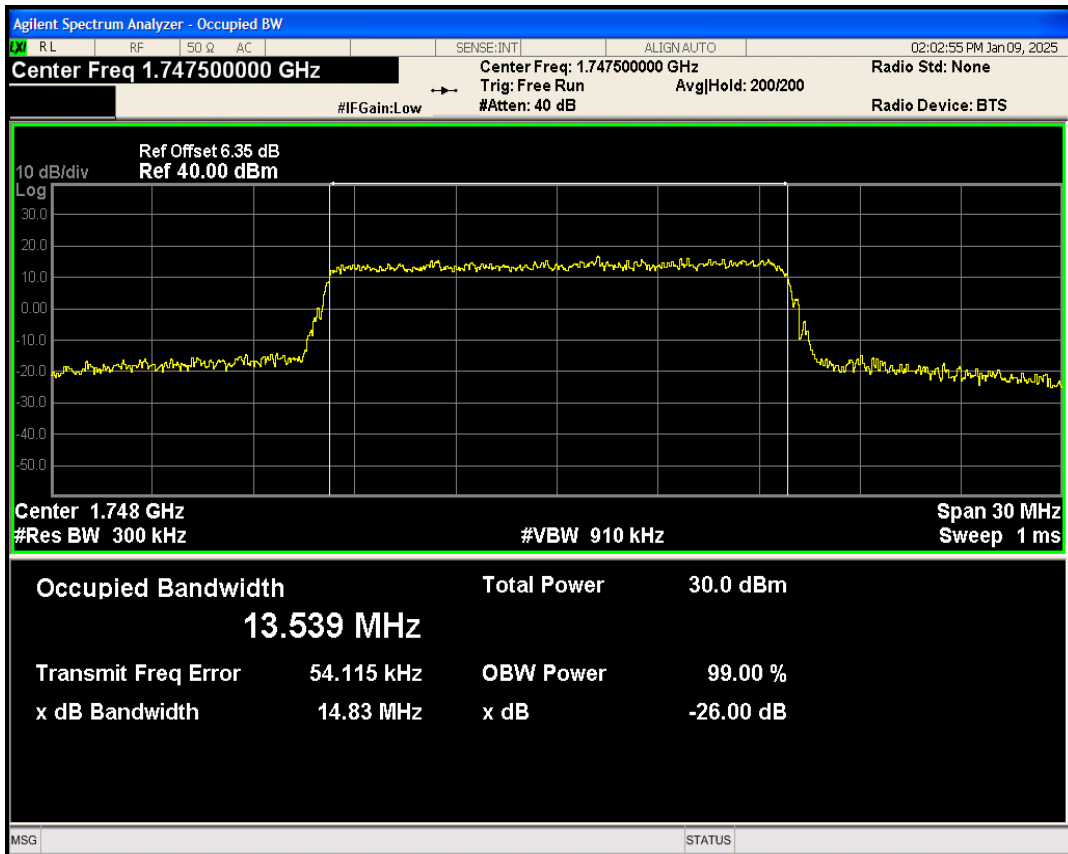
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



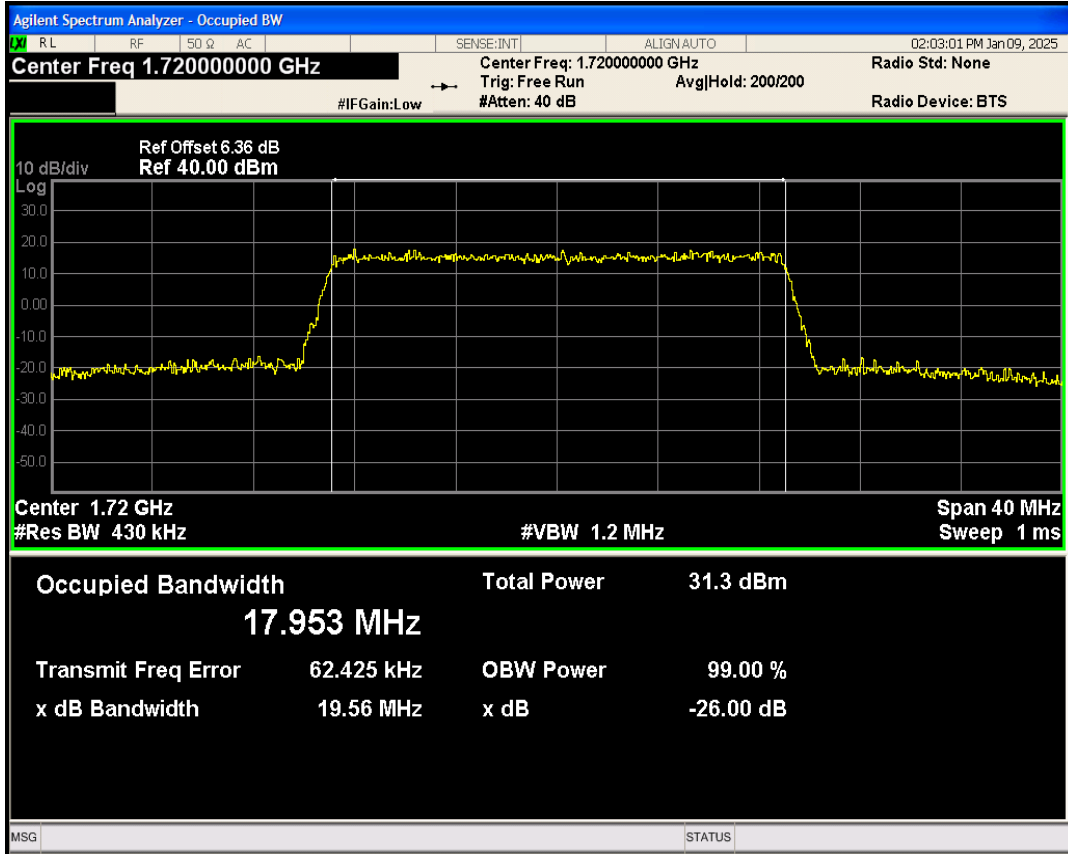
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



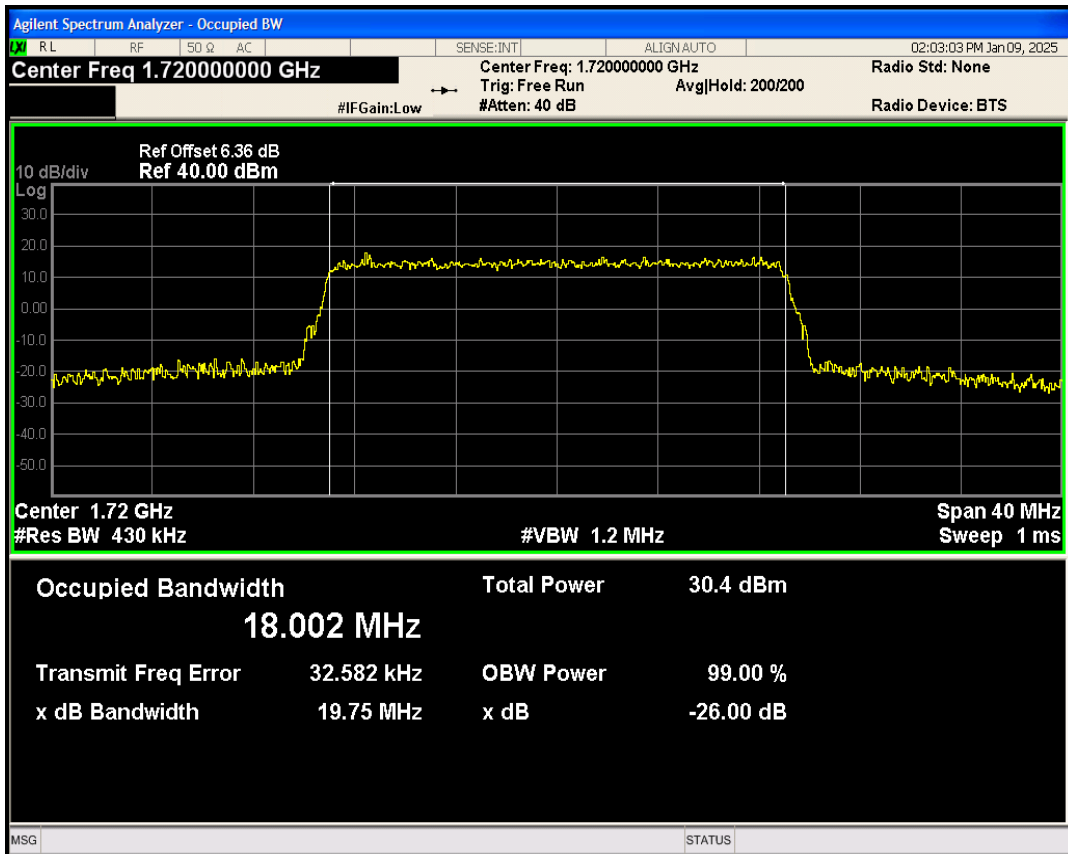
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



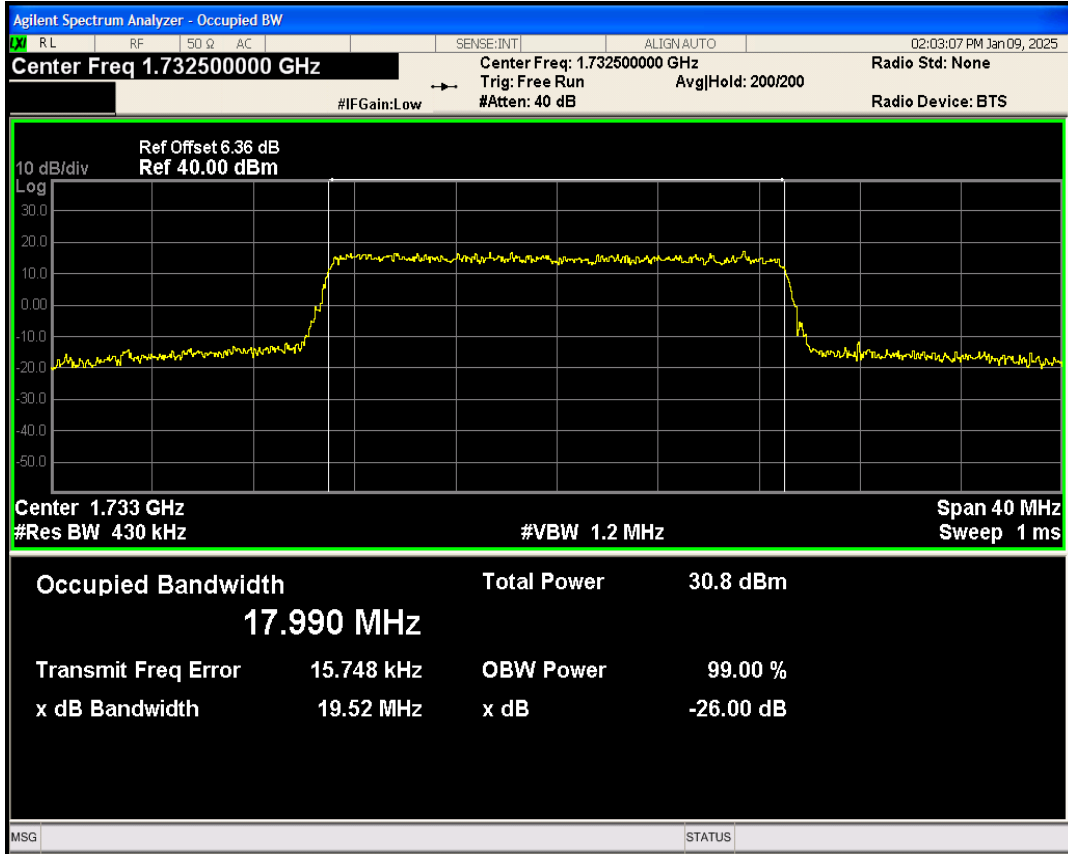
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



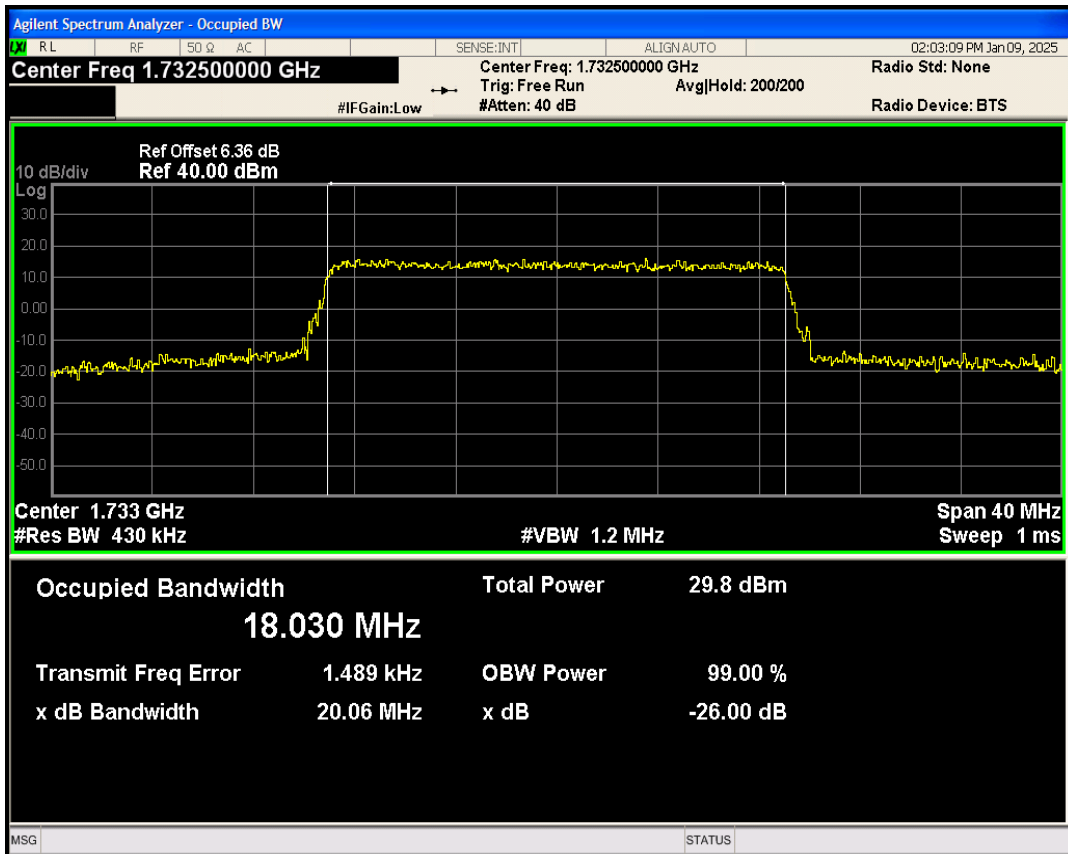
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



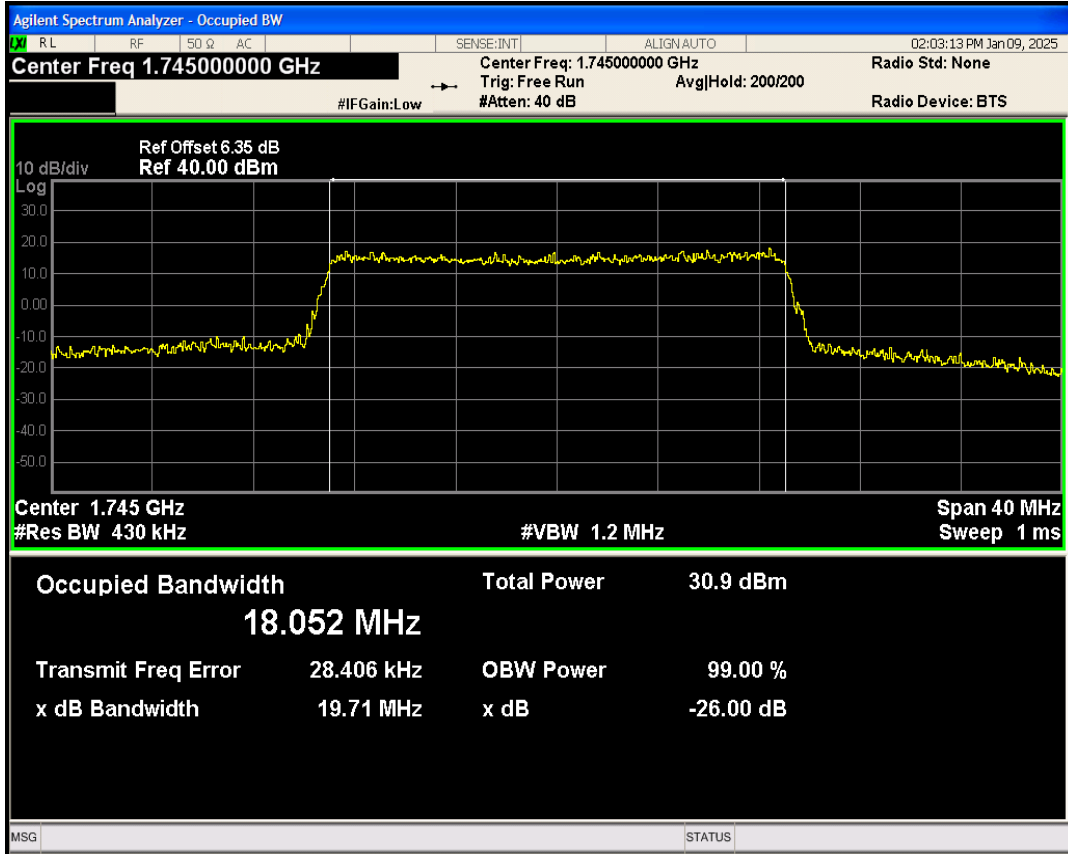
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



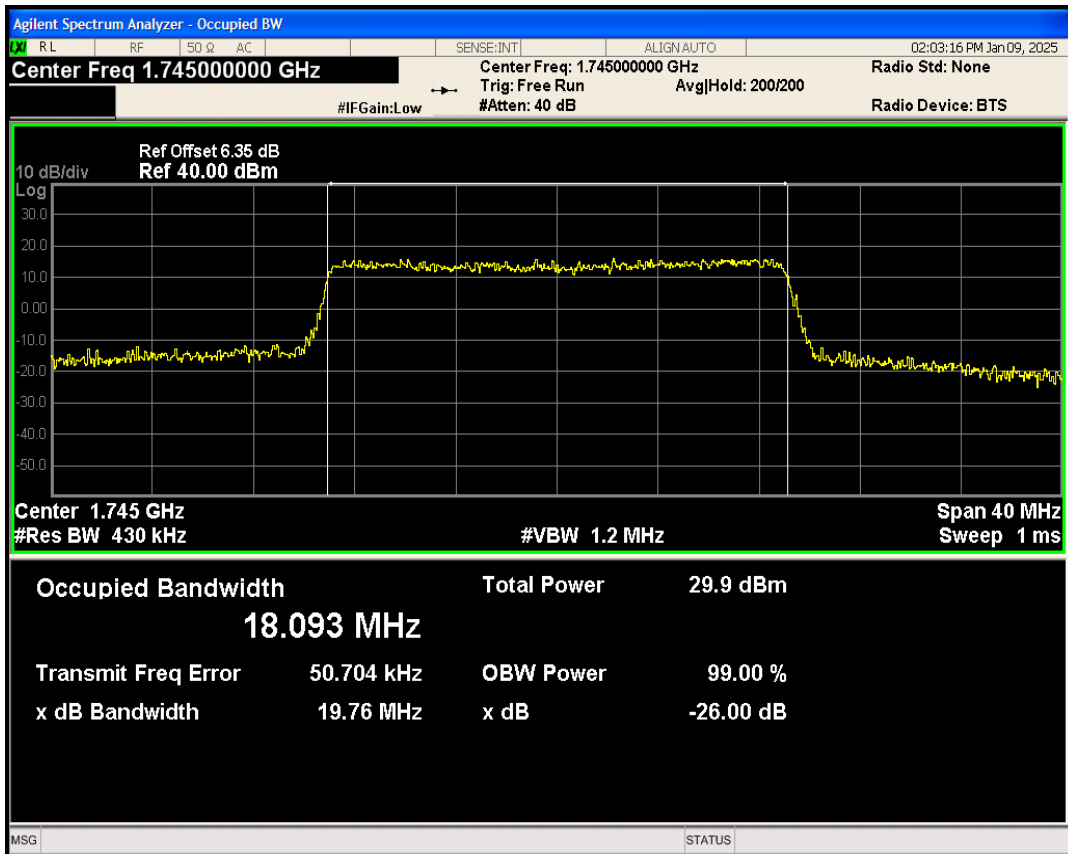
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



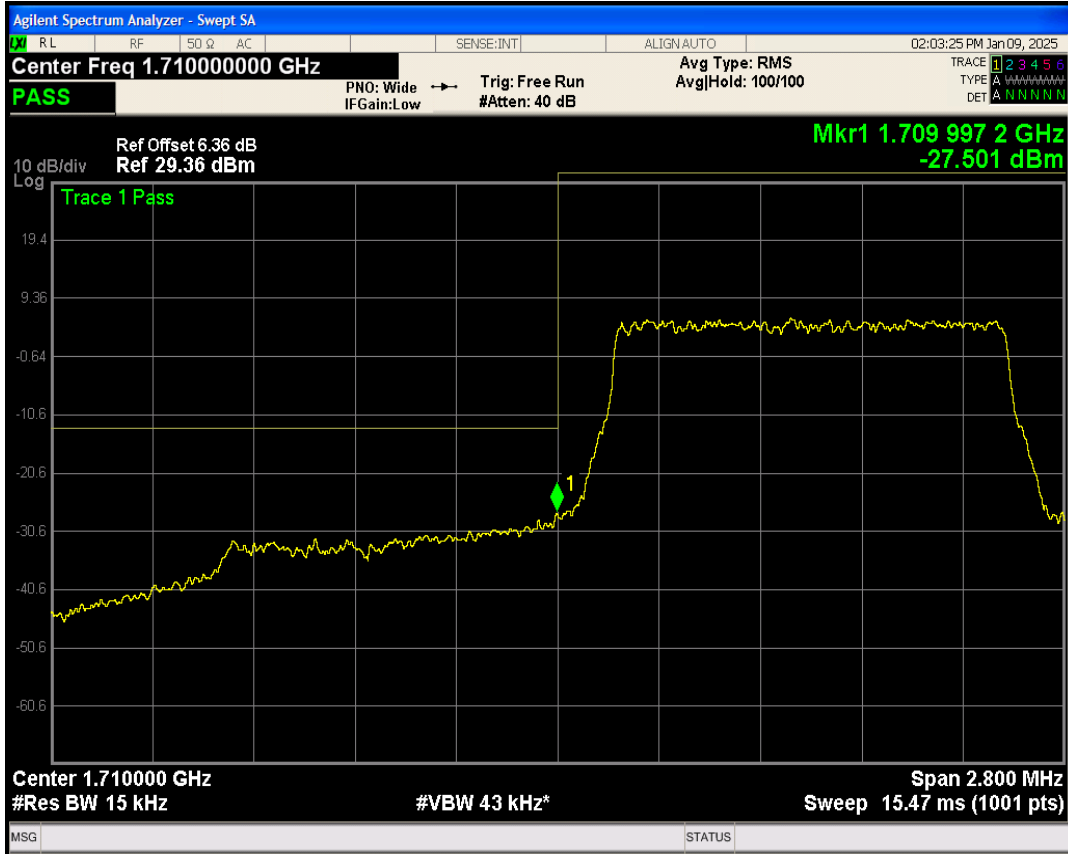
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



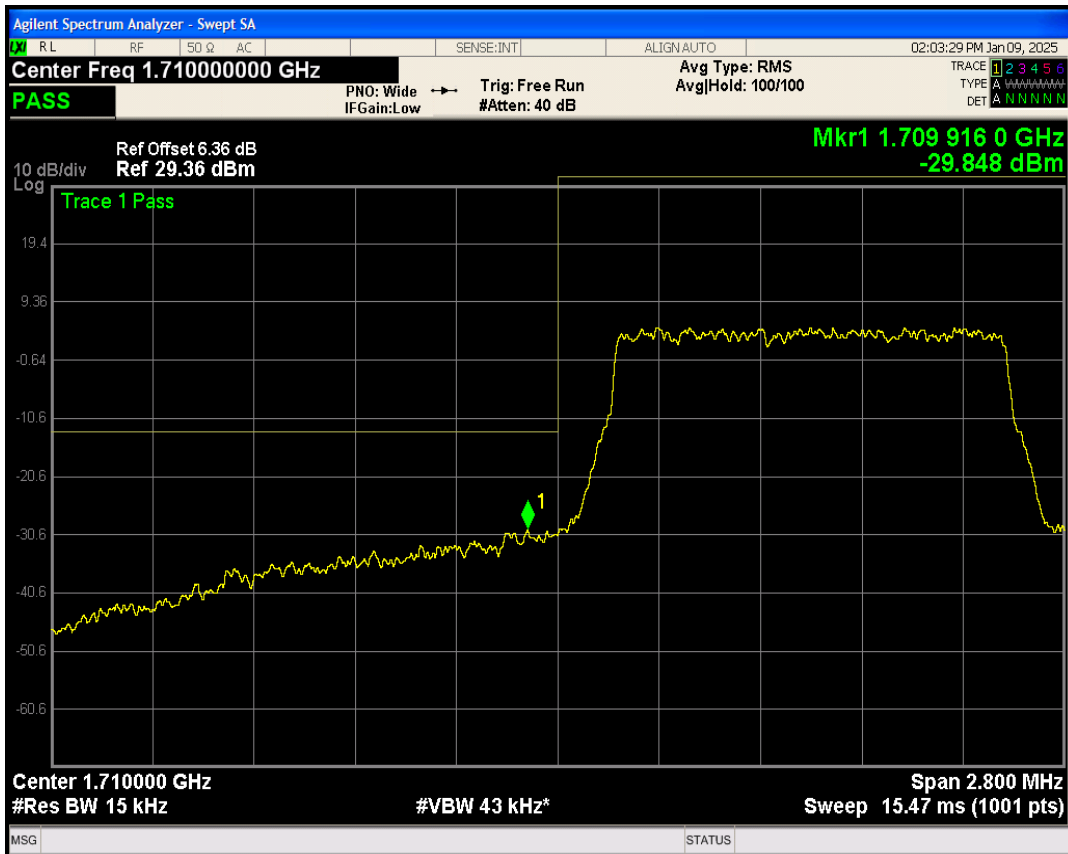
Appendix 5. Band edge

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	-27.50	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.92	-29.84	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-28.84	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.06	-29.21	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-22.50	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-23.81	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.01	-23.40	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-24.65	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-28.41	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-30.29	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-28.73	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-27.40	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-30.39	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.82	-33.88	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.06	-28.75	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-30.17	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.97	-29.36	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.88	-31.71	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.24	-27.03	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-28.61	-13	PASS
Band4	20	20050	100	#0	QPSK	1708.44	-30.81	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.88	-32.34	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.28	-25.94	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-28.60	-13	PASS

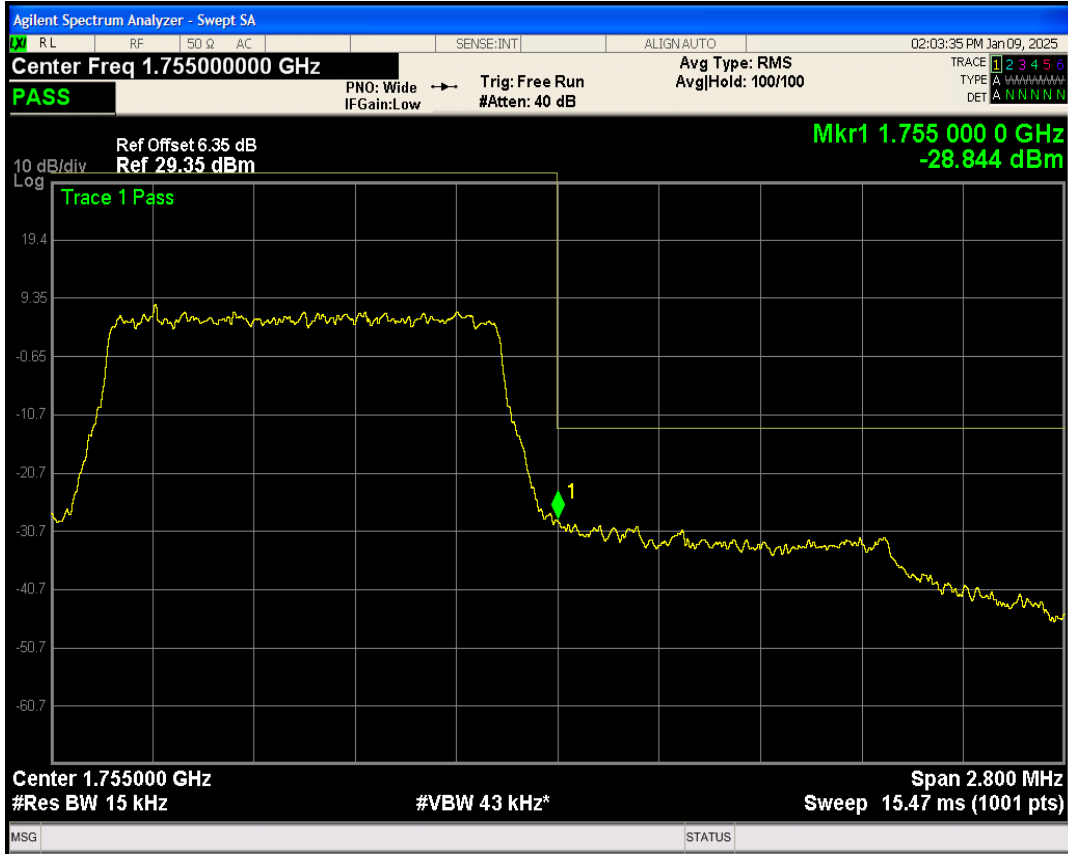
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



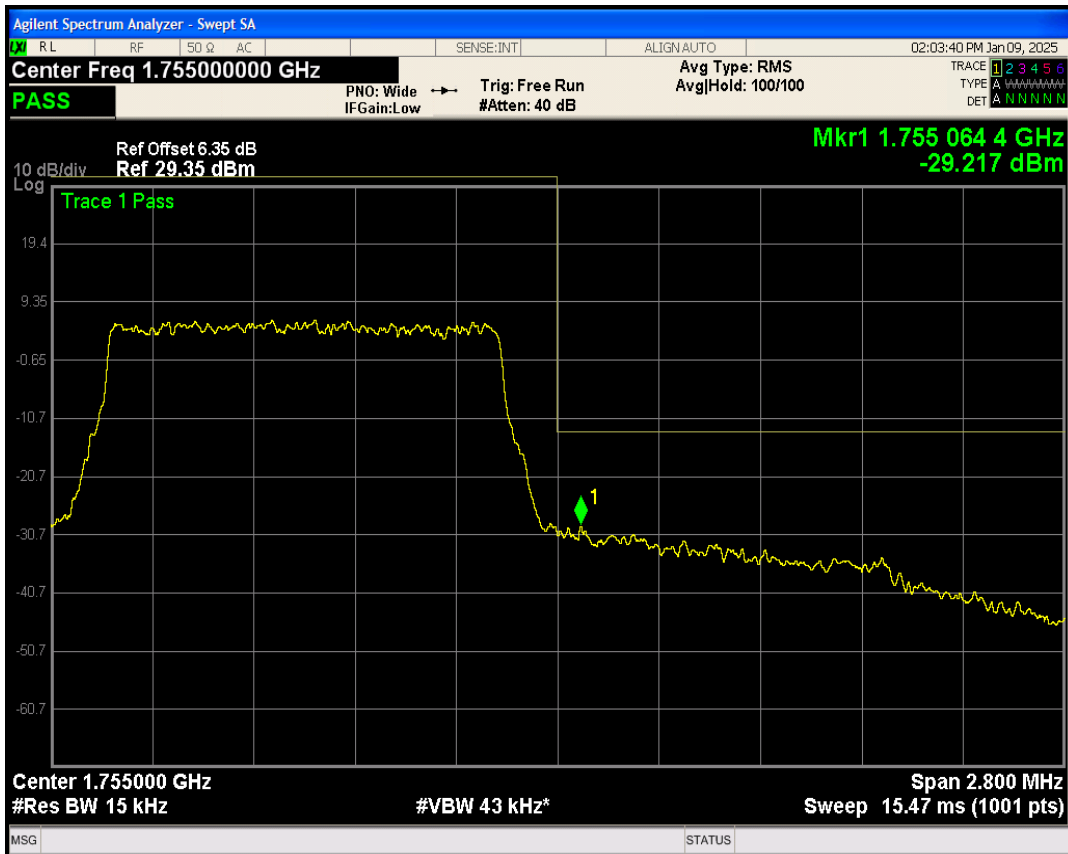
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



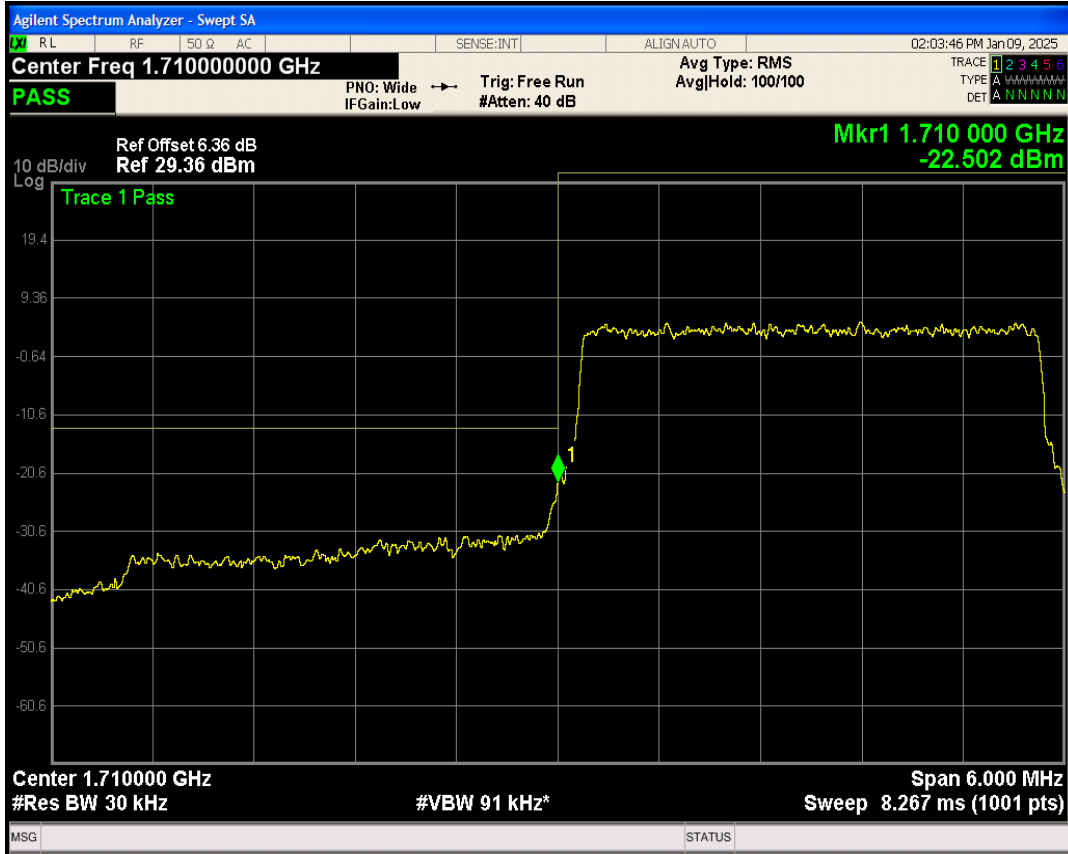
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



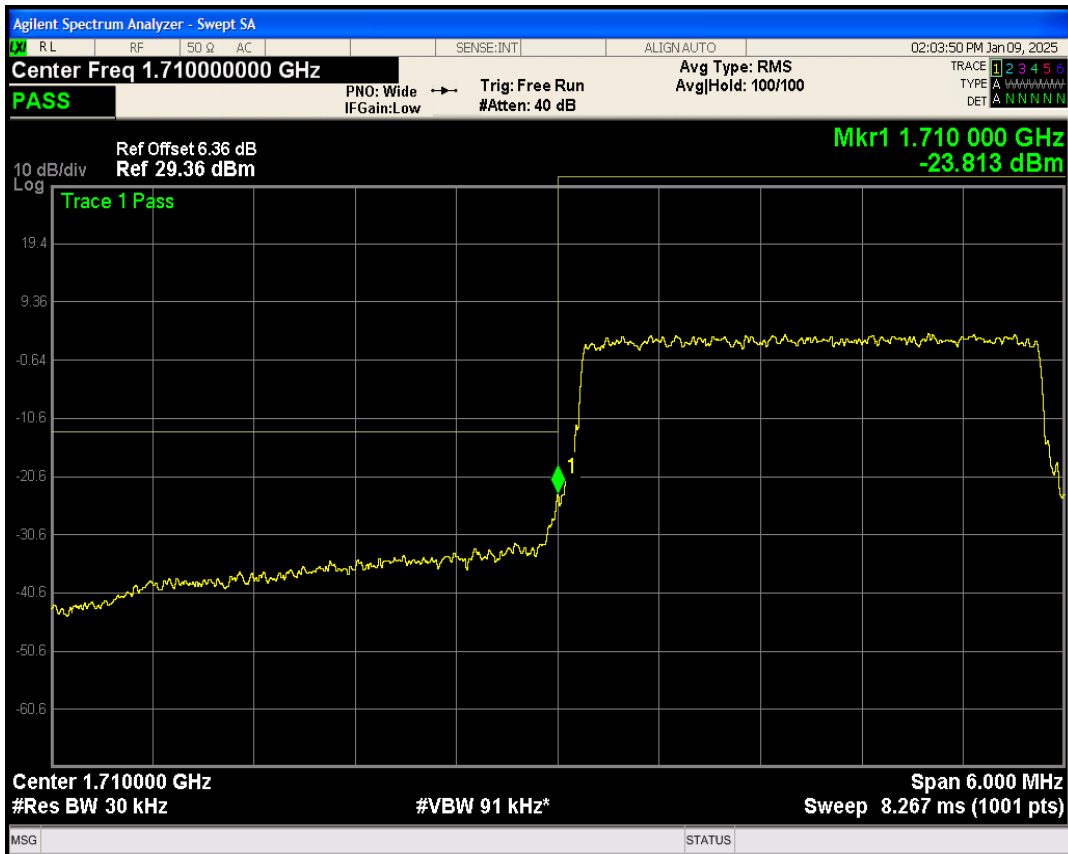
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



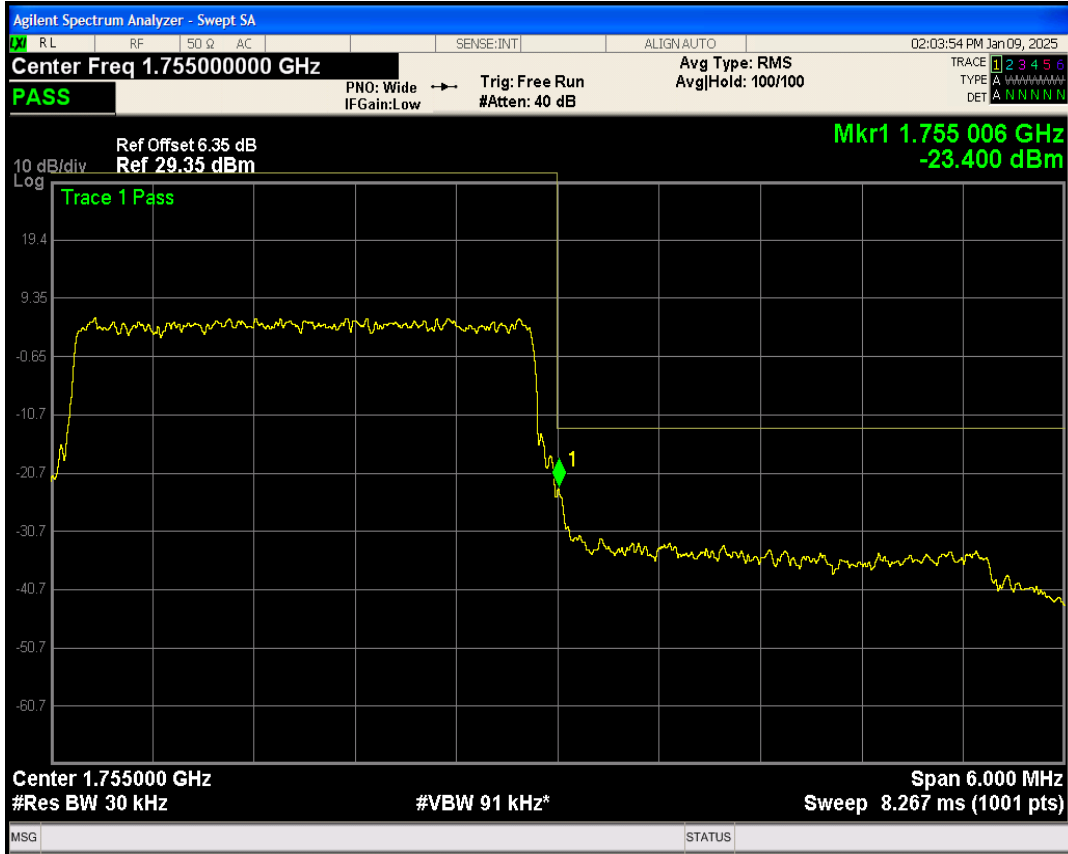
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



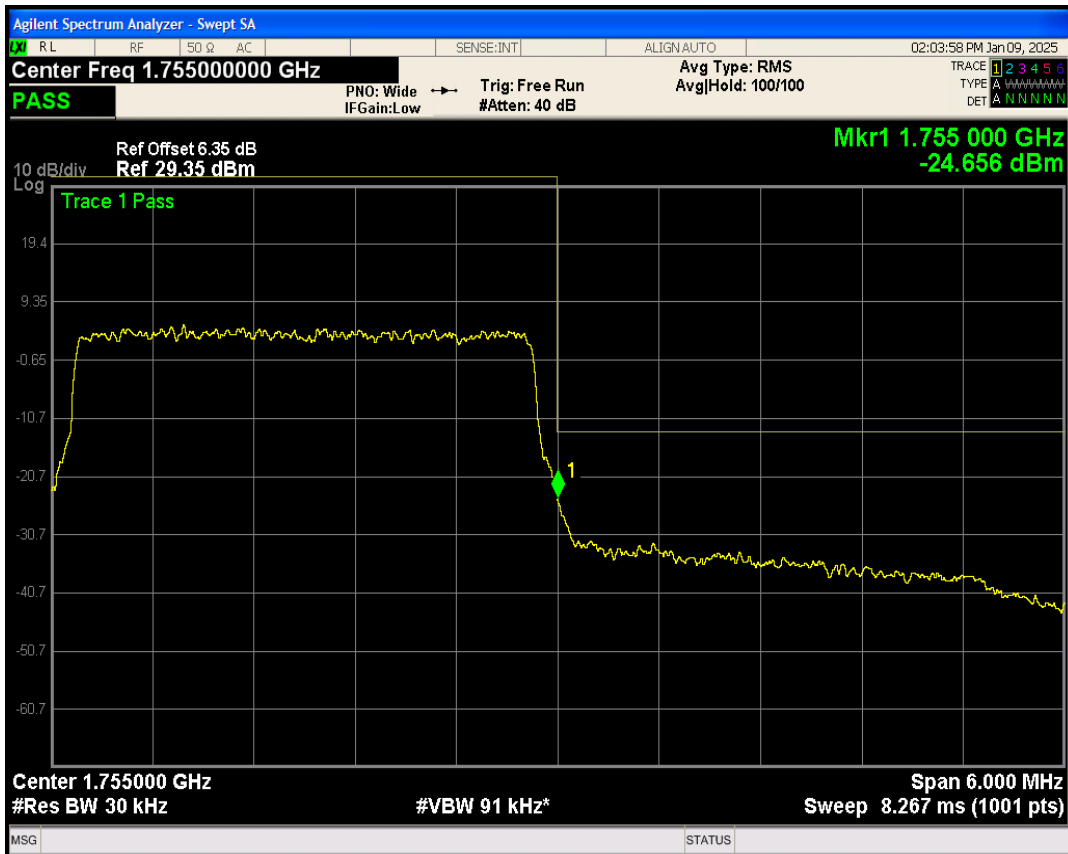
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



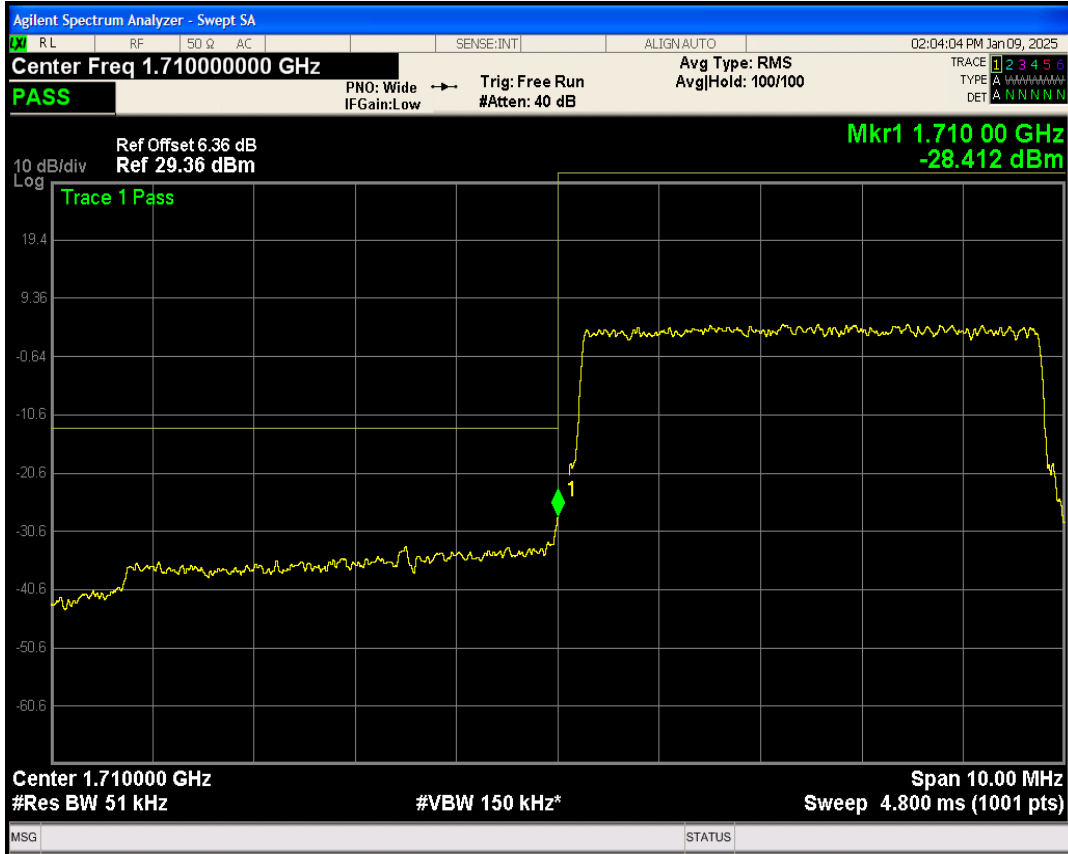
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



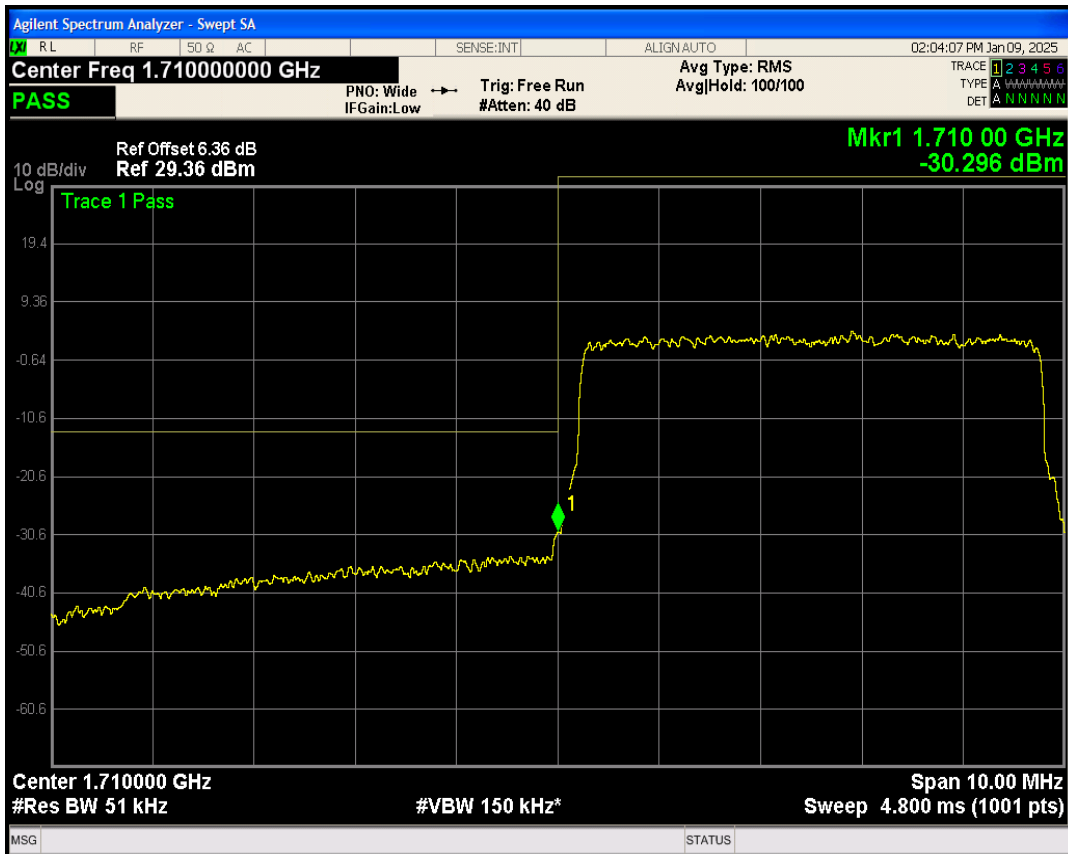
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



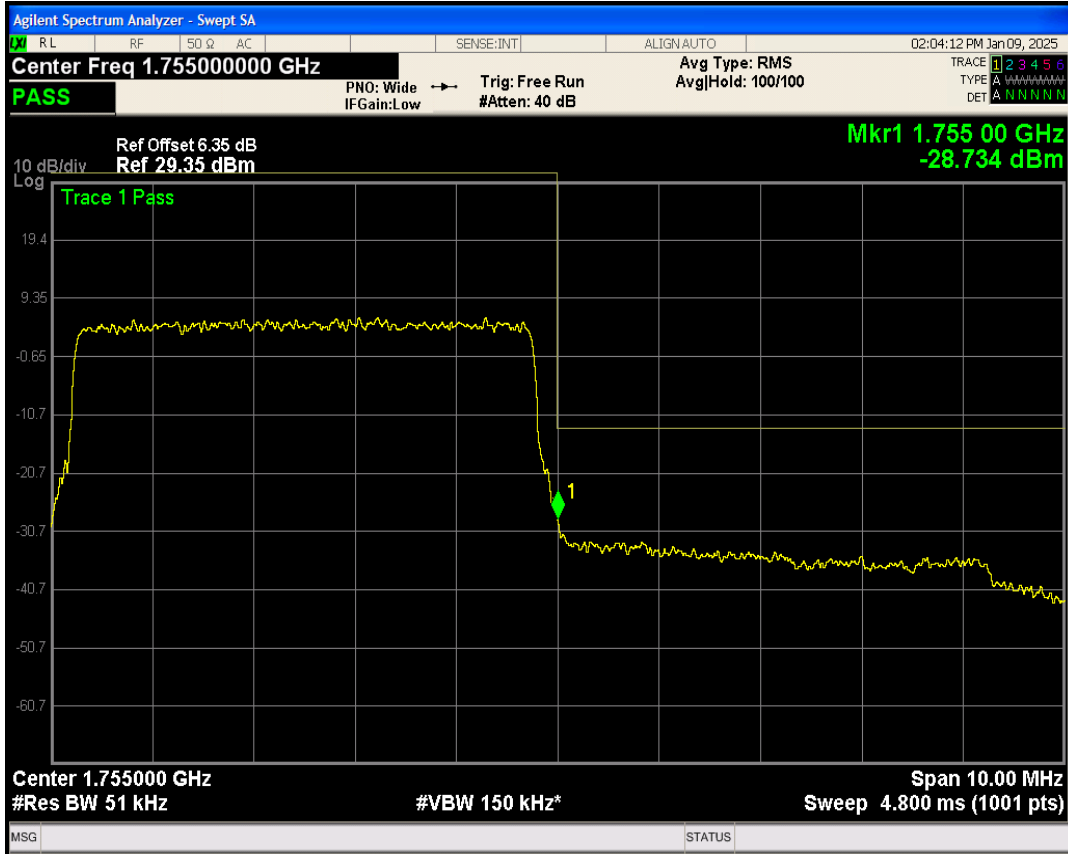
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



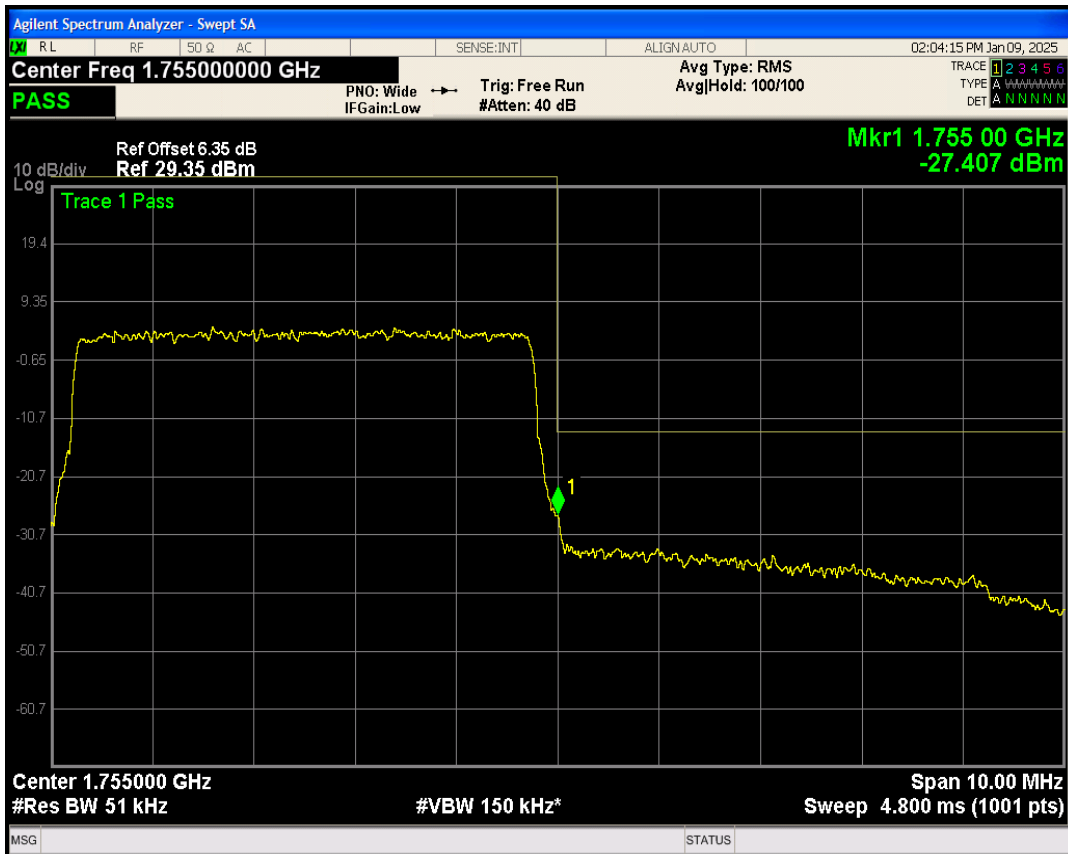
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



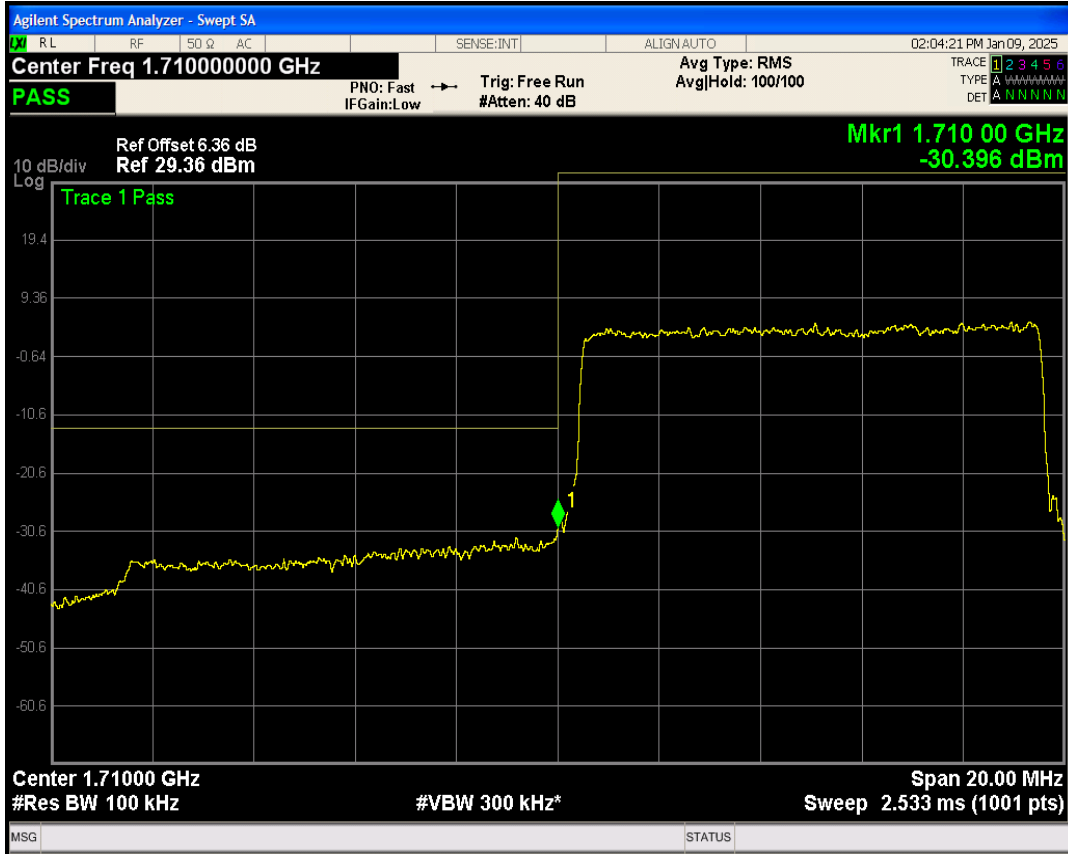
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



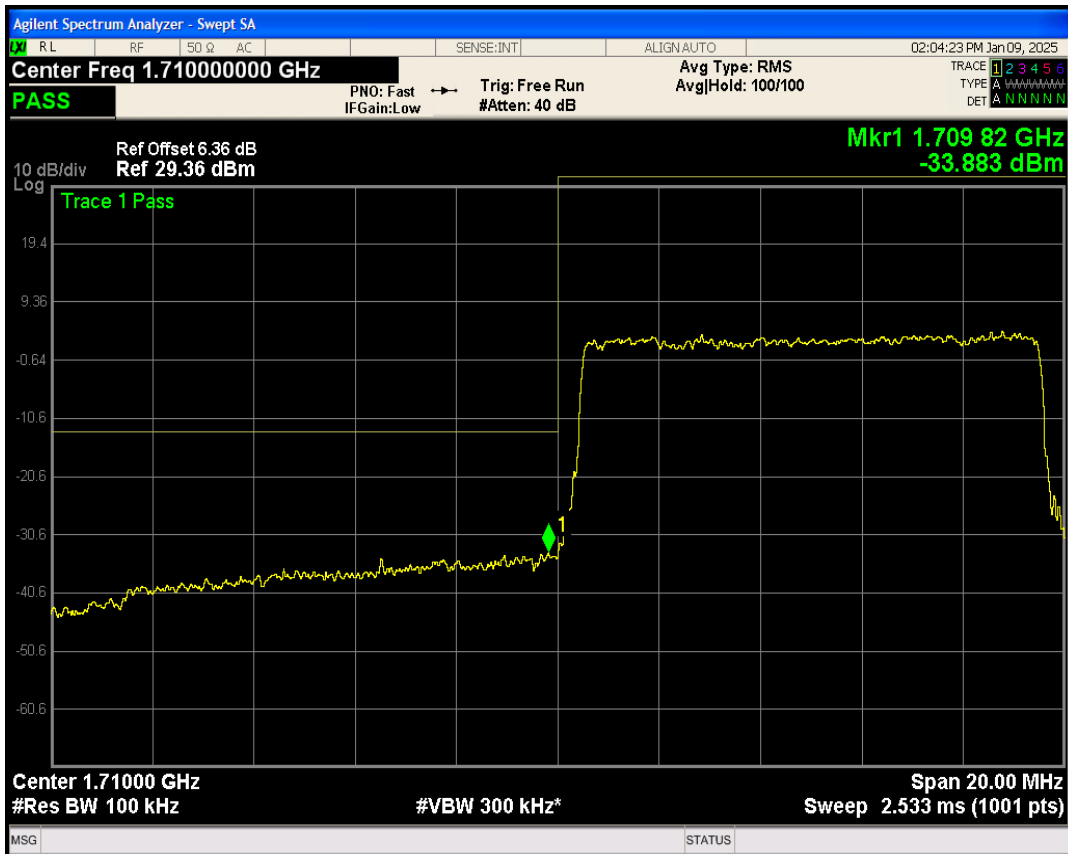
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



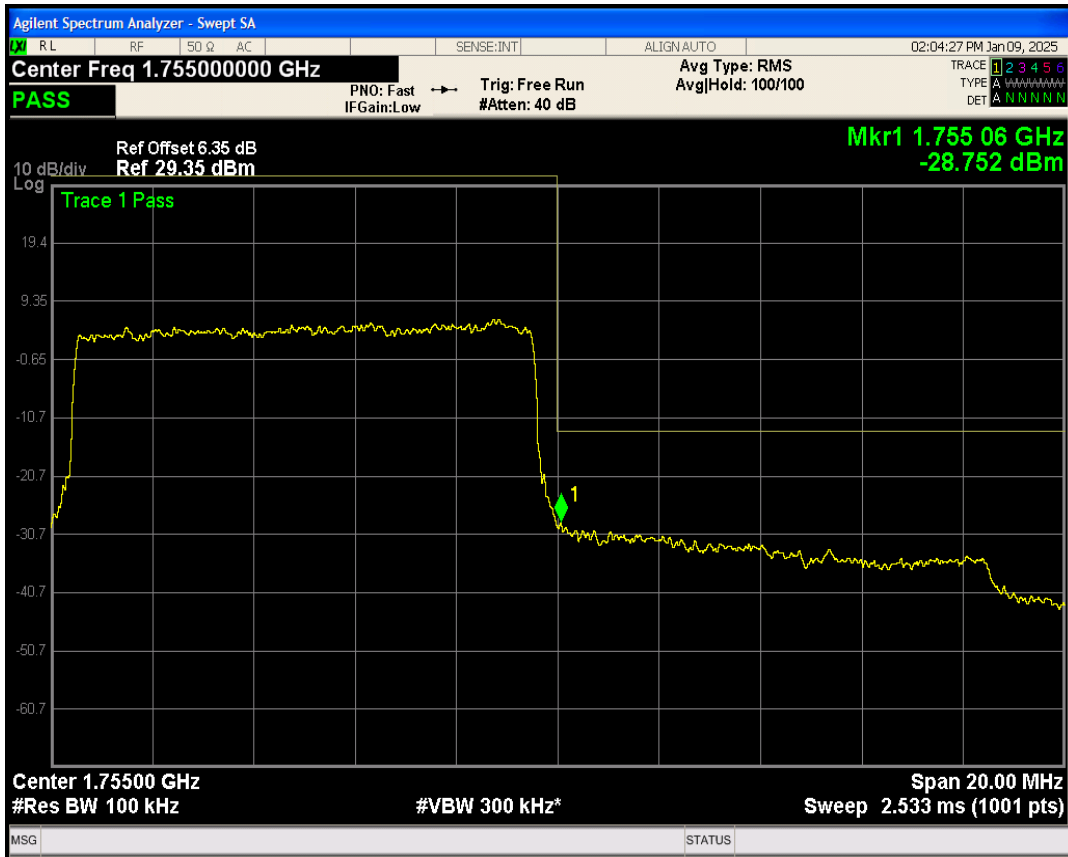
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



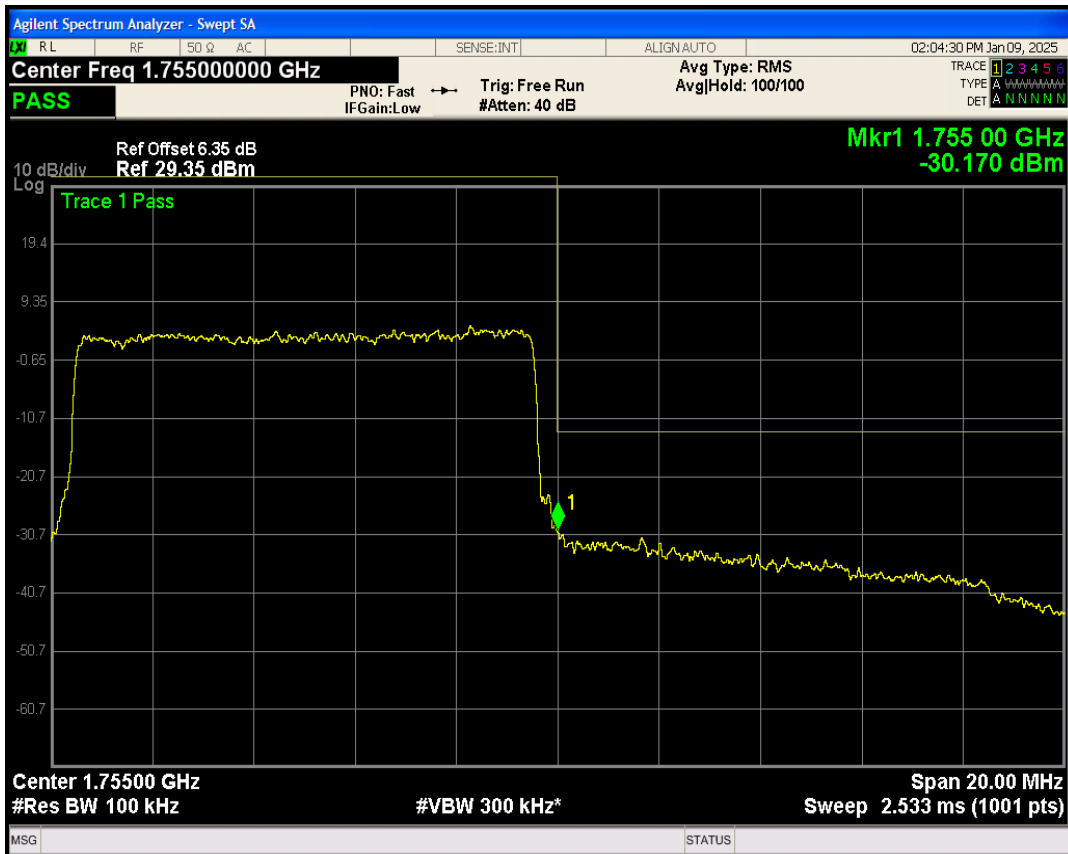
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



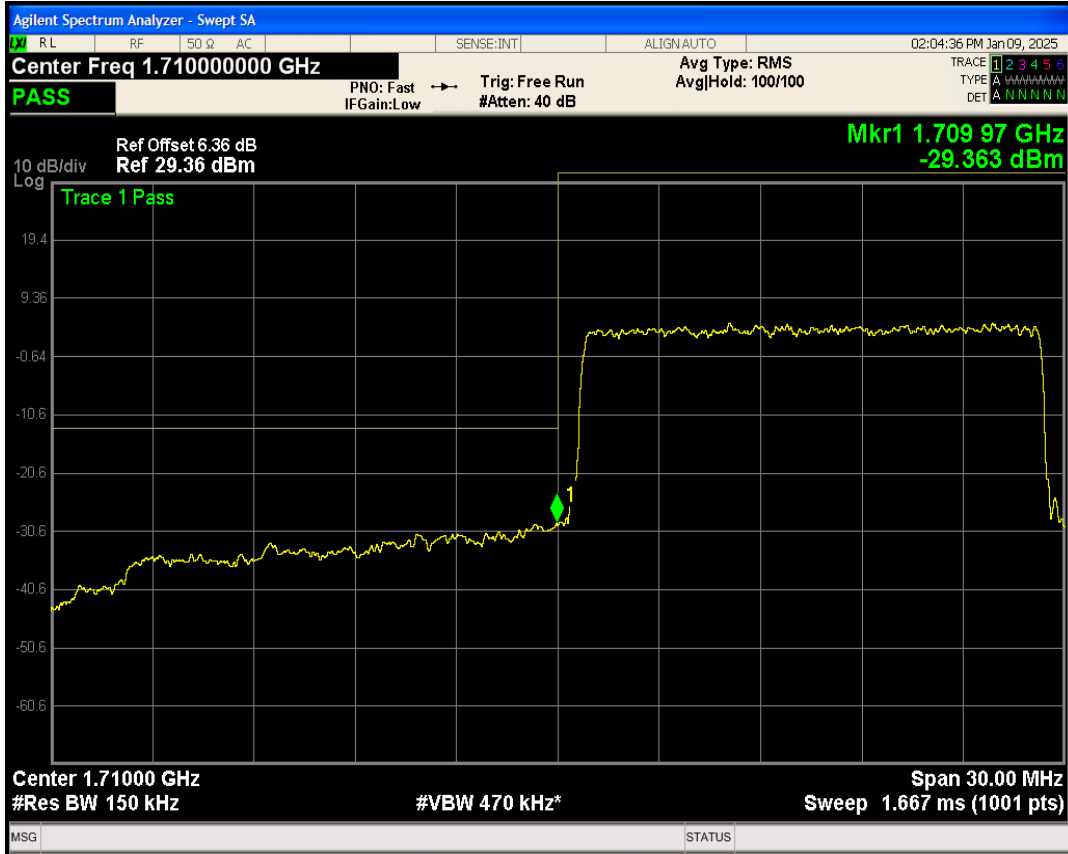
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



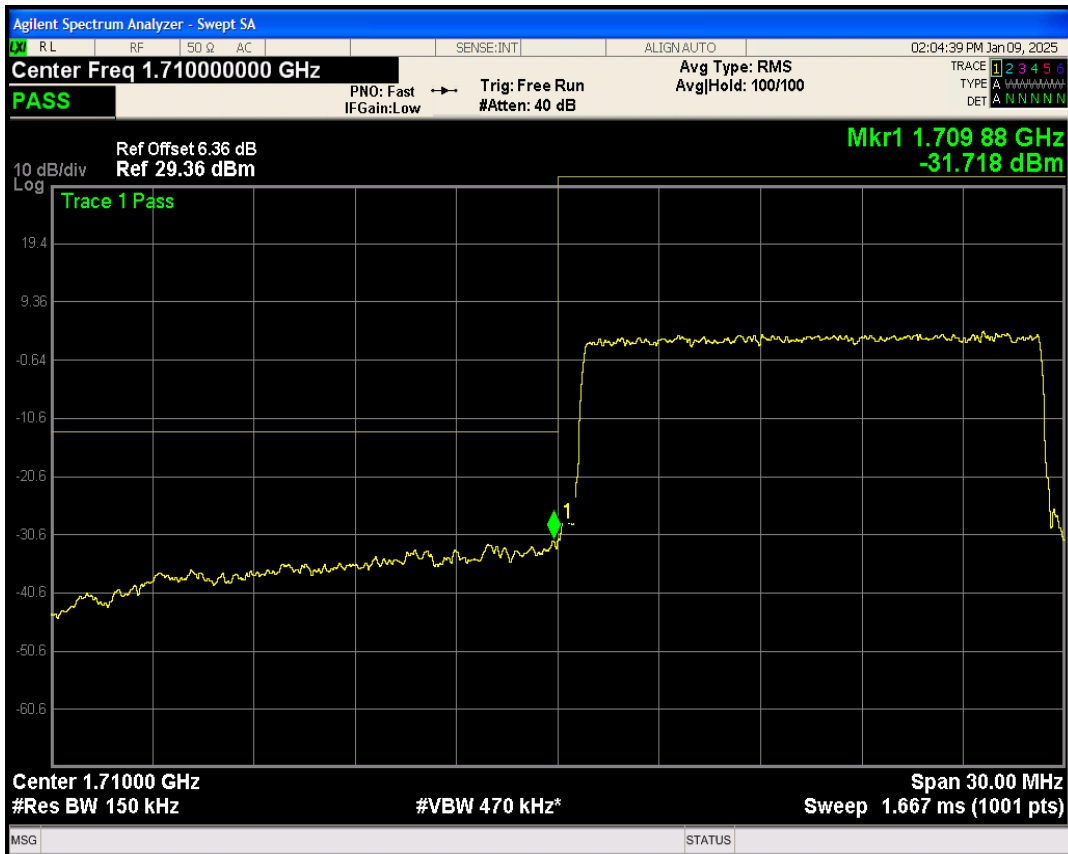
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



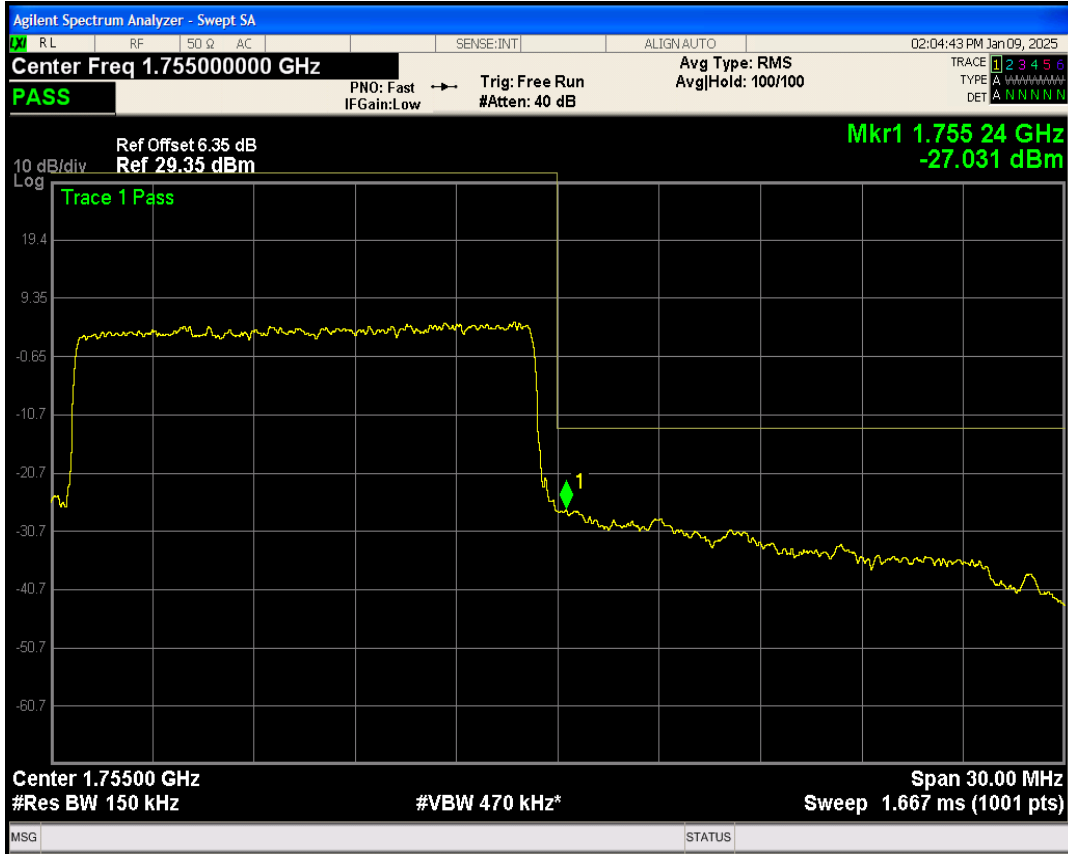
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



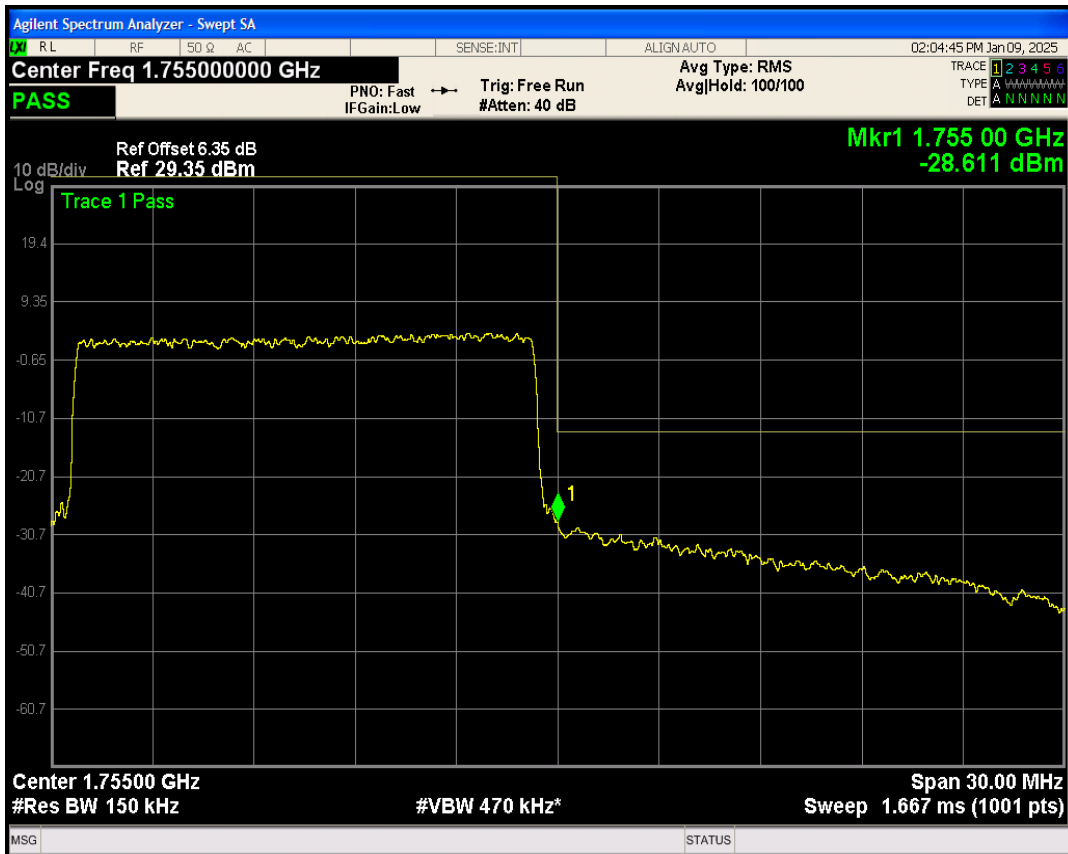
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



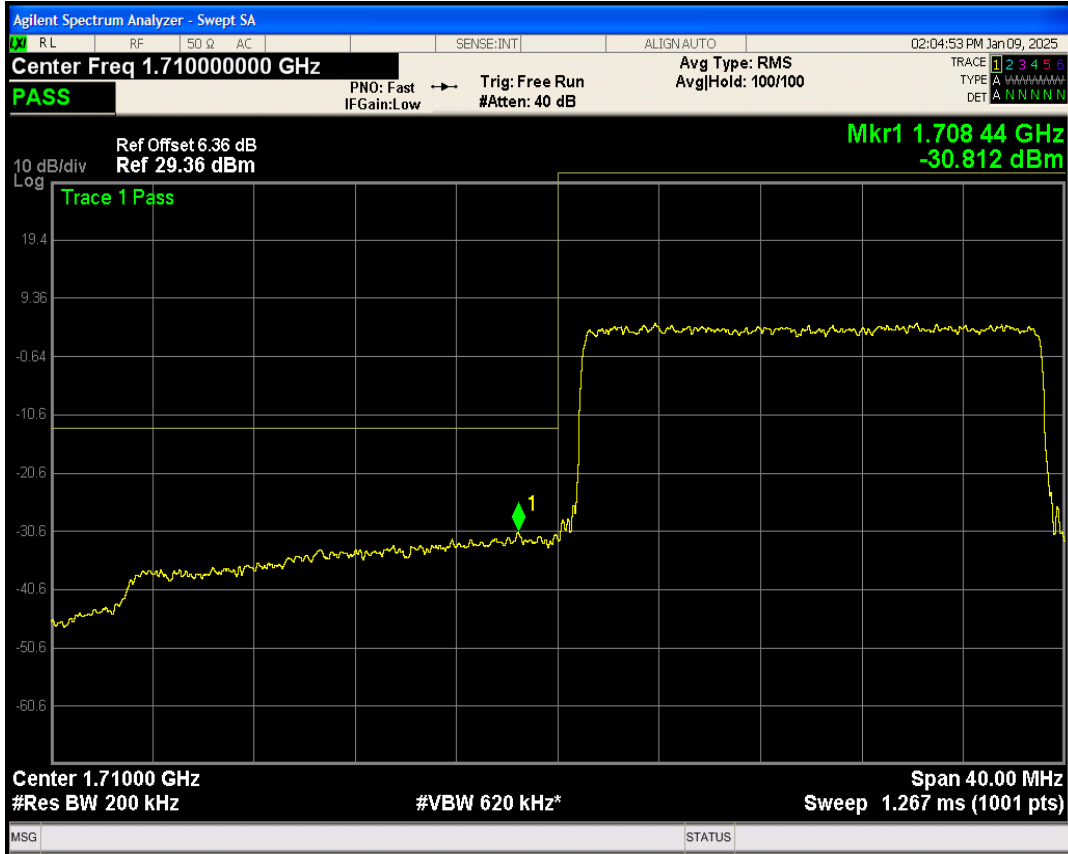
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



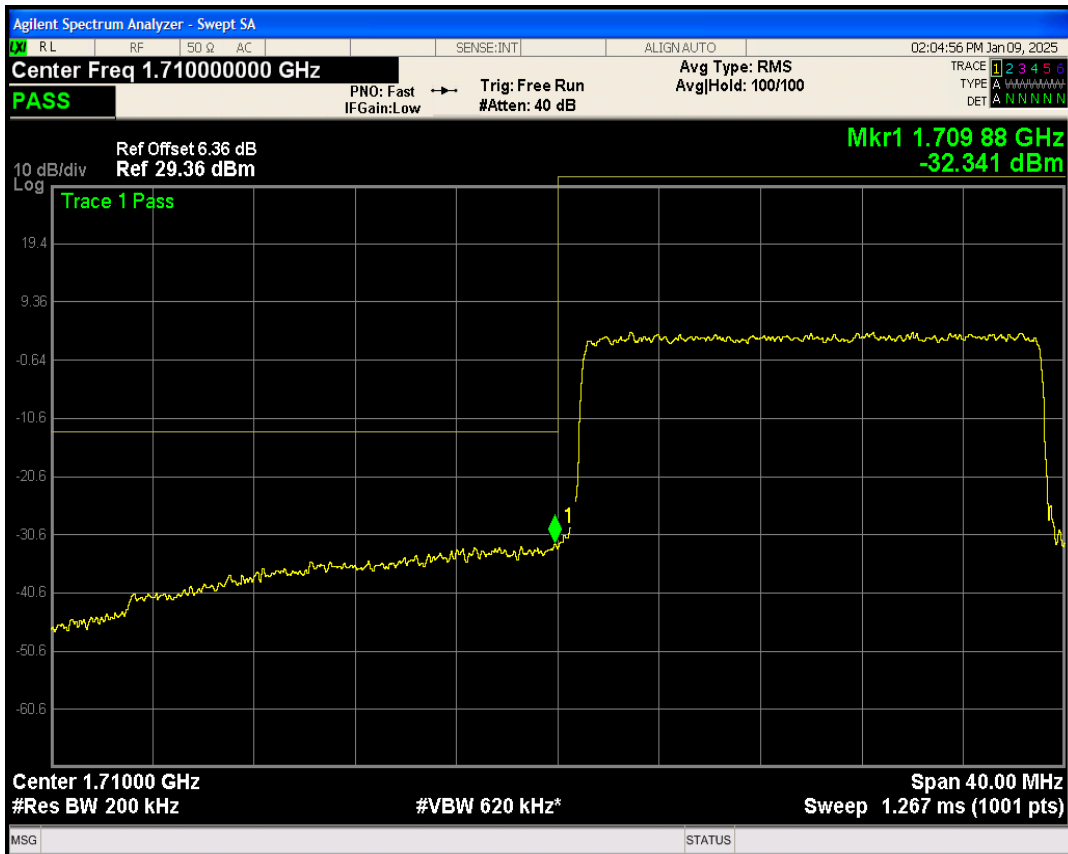
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



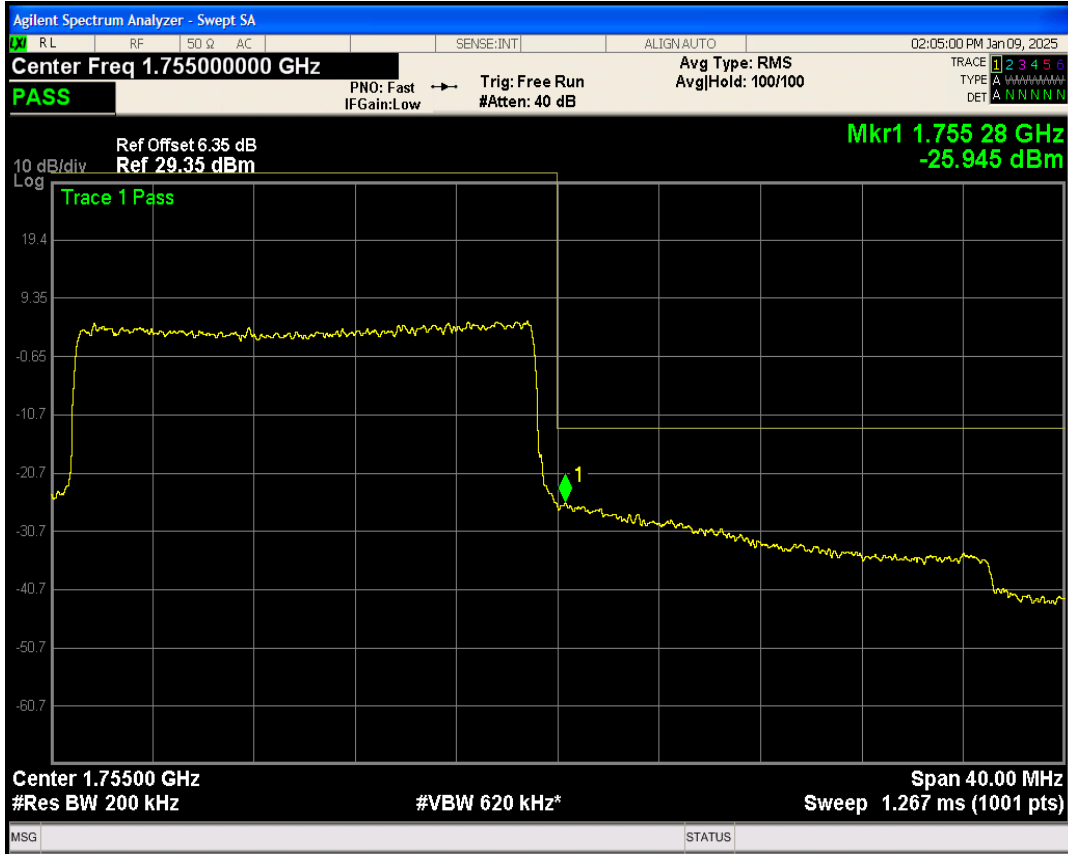
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



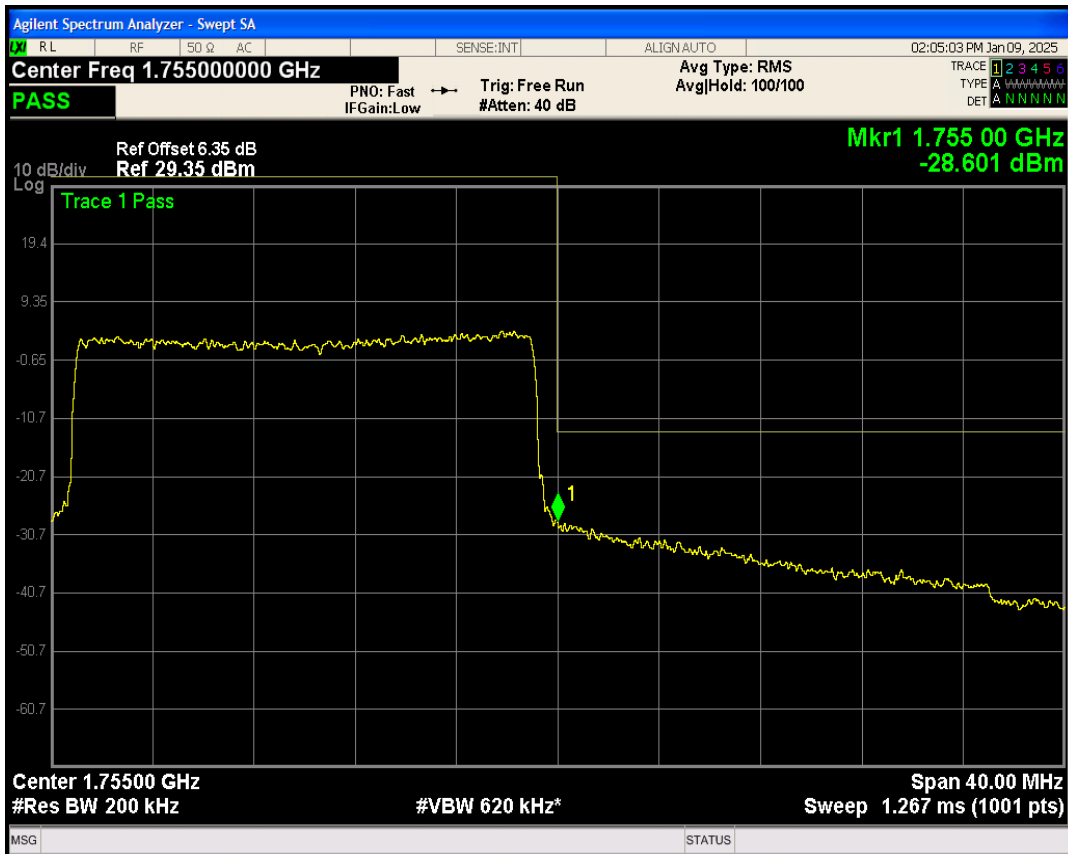
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



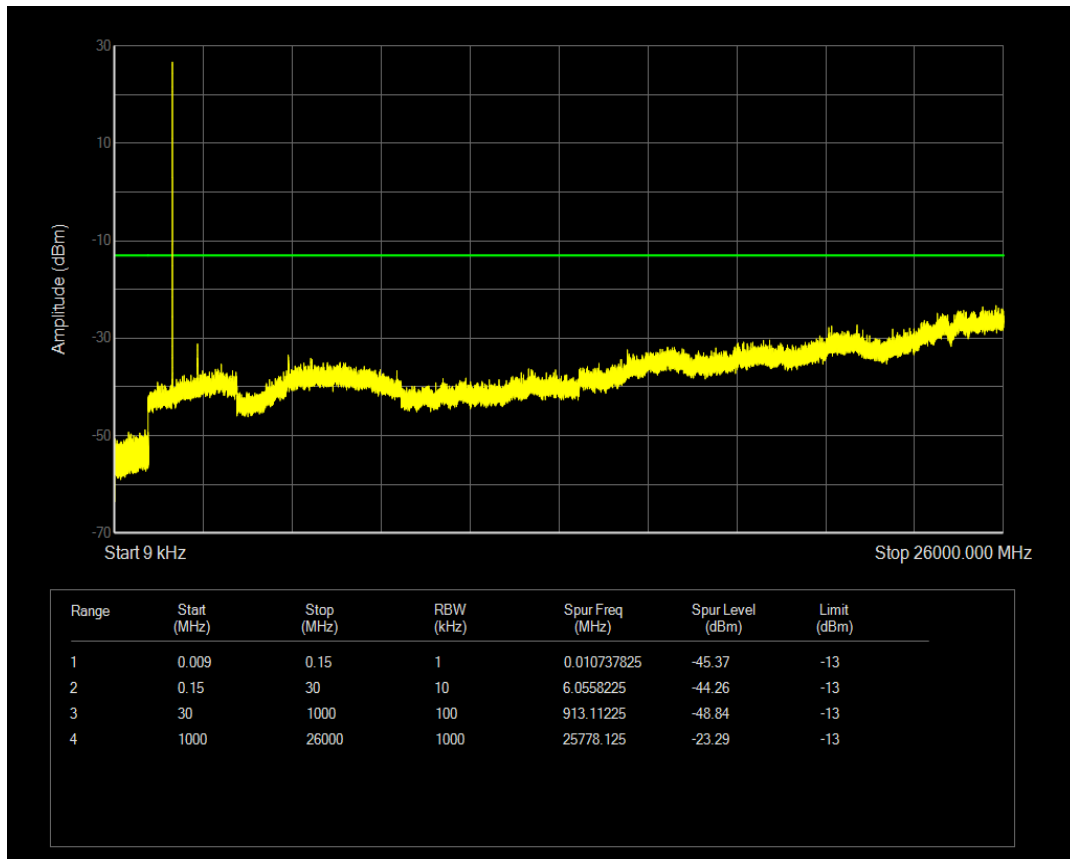
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



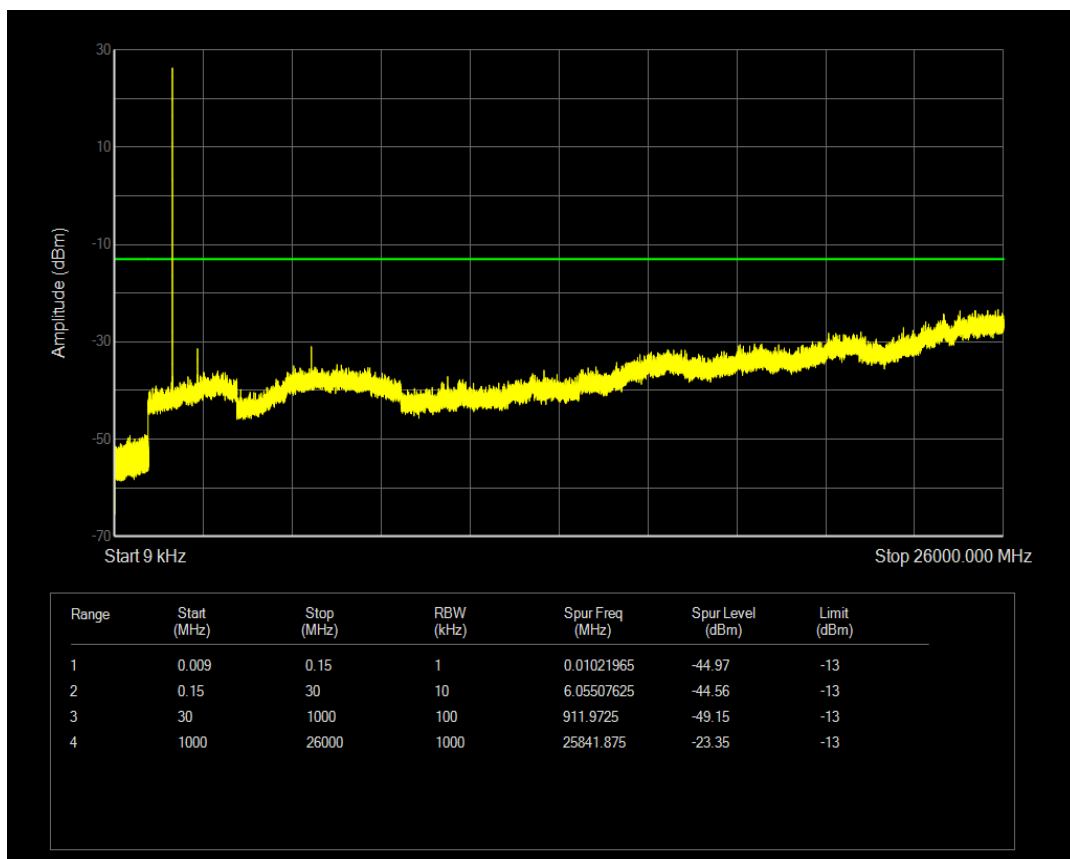
Appendix 6. Out-of-band emissions

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	25778.13	-23.29	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25841.88	-23.35	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25146.88	-22.71	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25772.50	-23.27	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25286.88	-22.85	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25966.88	-22.93	-13	PASS
Band4	3	19965	15	#0	QPSK	25154.38	-23.34	-13	PASS
Band4	3	19965	15	#0	16QAM	25376.88	-23.17	-13	PASS
Band4	3	20175	15	#0	QPSK	25857.50	-23.52	-13	PASS
Band4	3	20175	15	#0	16QAM	25111.25	-23.33	-13	PASS
Band4	3	20385	15	#0	QPSK	25326.25	-23.06	-13	PASS
Band4	3	20385	15	#0	16QAM	25393.13	-23.29	-13	PASS
Band4	5	19975	25	#0	QPSK	25615.63	-22.98	-13	PASS
Band4	5	19975	25	#0	16QAM	25454.38	-23.47	-13	PASS
Band4	5	20175	25	#0	QPSK	25161.88	-23.54	-13	PASS
Band4	5	20175	25	#0	16QAM	25107.50	-22.81	-13	PASS
Band4	5	20375	25	#0	QPSK	24696.25	-23.40	-13	PASS
Band4	5	20375	25	#0	16QAM	25341.88	-23.65	-13	PASS
Band4	10	20000	50	#0	QPSK	25785.63	-23.44	-13	PASS
Band4	10	20000	50	#0	16QAM	25954.38	-23.65	-13	PASS
Band4	10	20175	50	#0	QPSK	25113.13	-23.14	-13	PASS
Band4	10	20175	50	#0	16QAM	25994.38	-22.99	-13	PASS
Band4	10	20350	50	#0	QPSK	24678.75	-23.05	-13	PASS
Band4	10	20350	50	#0	16QAM	25682.50	-23.83	-13	PASS
Band4	15	20025	75	#0	QPSK	25484.38	-22.81	-13	PASS
Band4	15	20025	75	#0	16QAM	24835.63	-23.65	-13	PASS
Band4	15	20175	75	#0	QPSK	25021.88	-23.22	-13	PASS
Band4	15	20175	75	#0	16QAM	25369.38	-22.77	-13	PASS
Band4	15	20325	75	#0	QPSK	25097.50	-23.69	-13	PASS
Band4	15	20325	75	#0	16QAM	25855.63	-22.56	-13	PASS
Band4	20	20050	100	#0	QPSK	25496.25	-23.34	-13	PASS
Band4	20	20050	100	#0	16QAM	25716.88	-21.97	-13	PASS
Band4	20	20175	100	#0	QPSK	25750.63	-23.62	-13	PASS
Band4	20	20175	100	#0	16QAM	25978.75	-22.57	-13	PASS
Band4	20	20300	100	#0	QPSK	25463.75	-23.26	-13	PASS
Band4	20	20300	100	#0	16QAM	25553.13	-23.72	-13	PASS

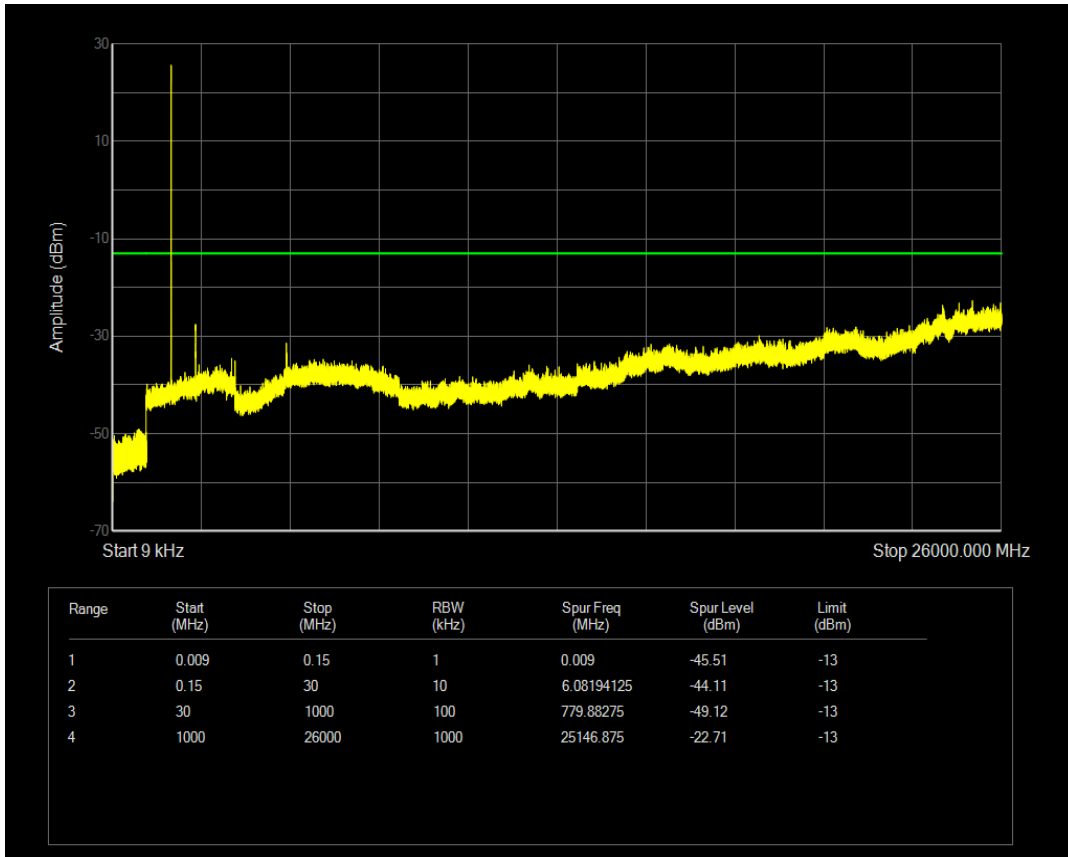
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



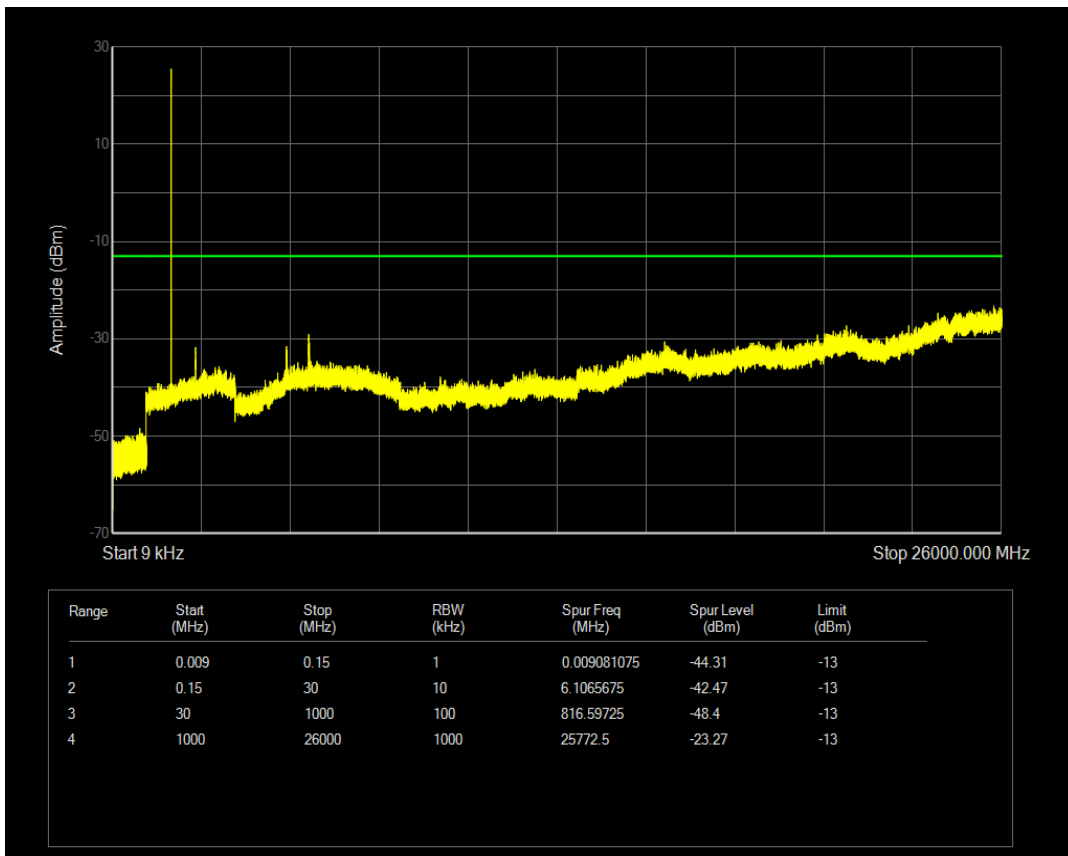
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



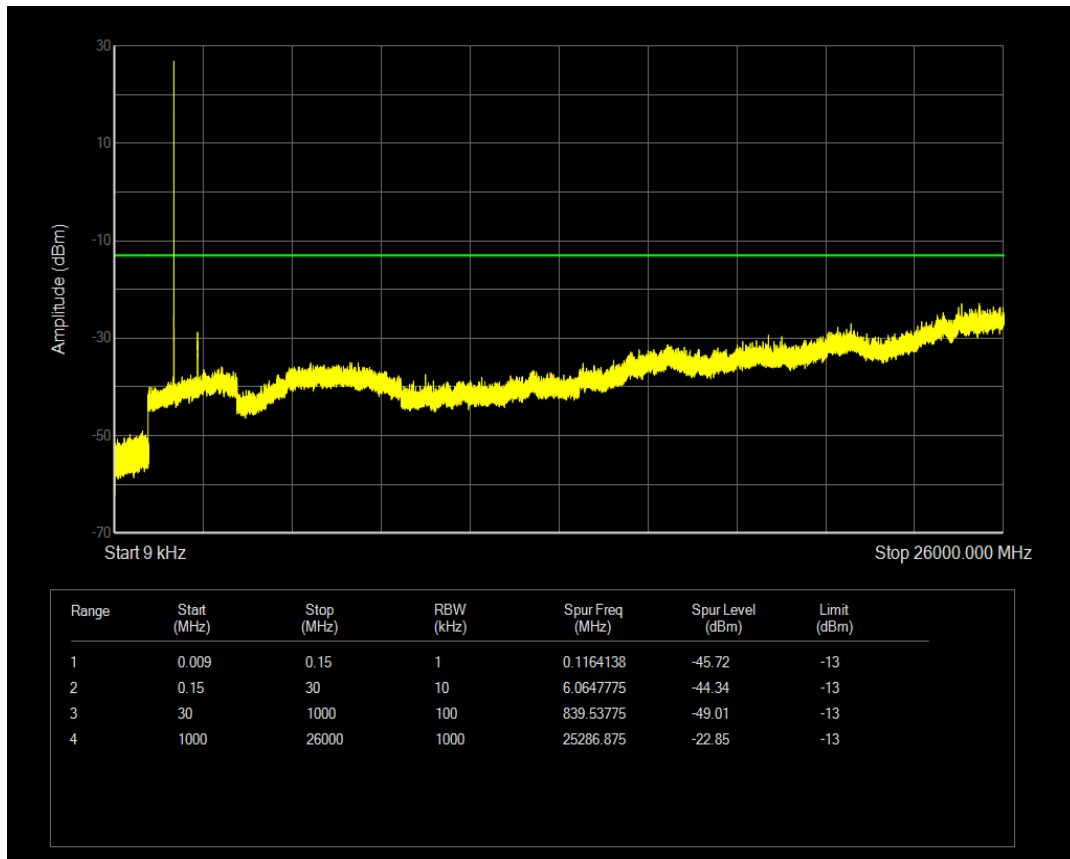
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



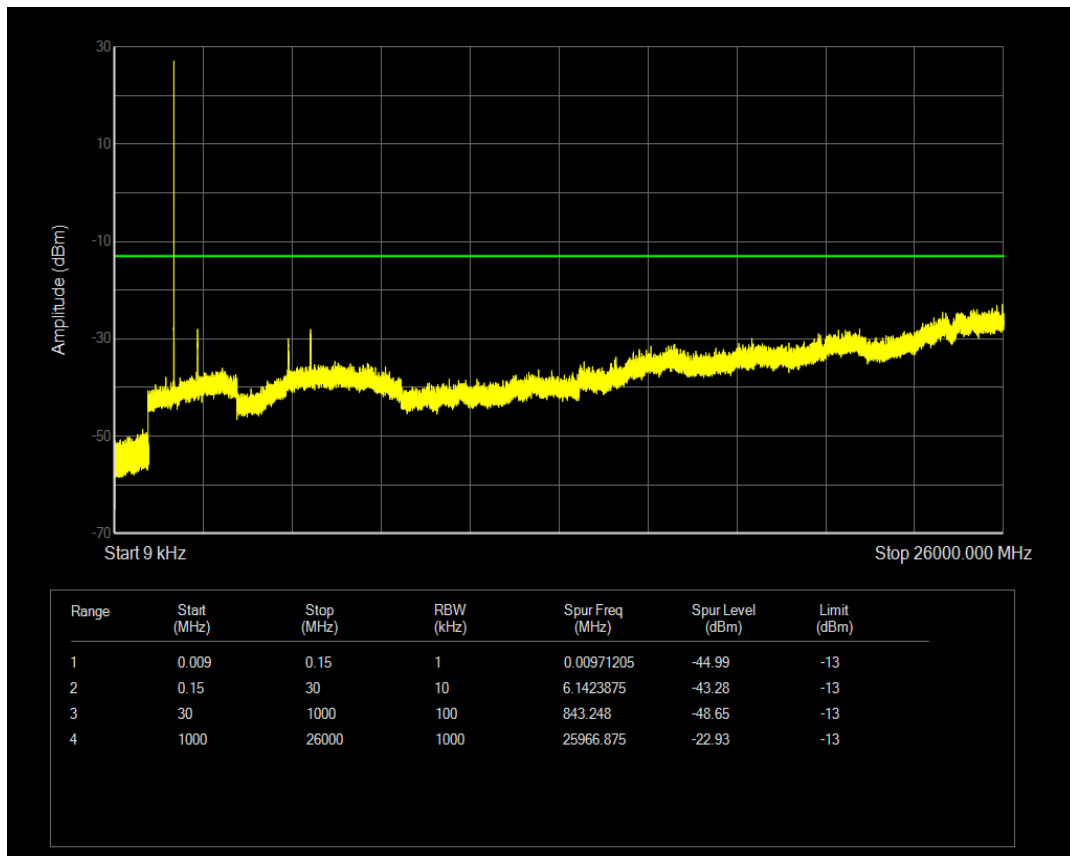
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



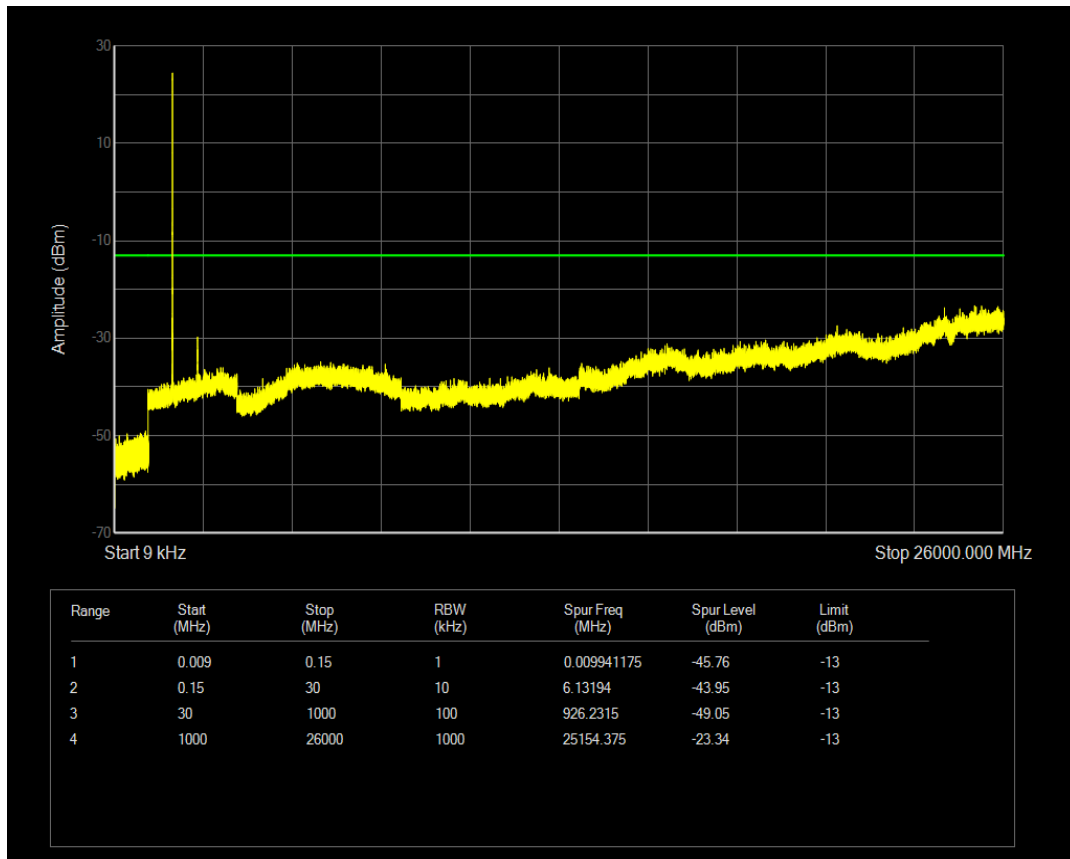
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



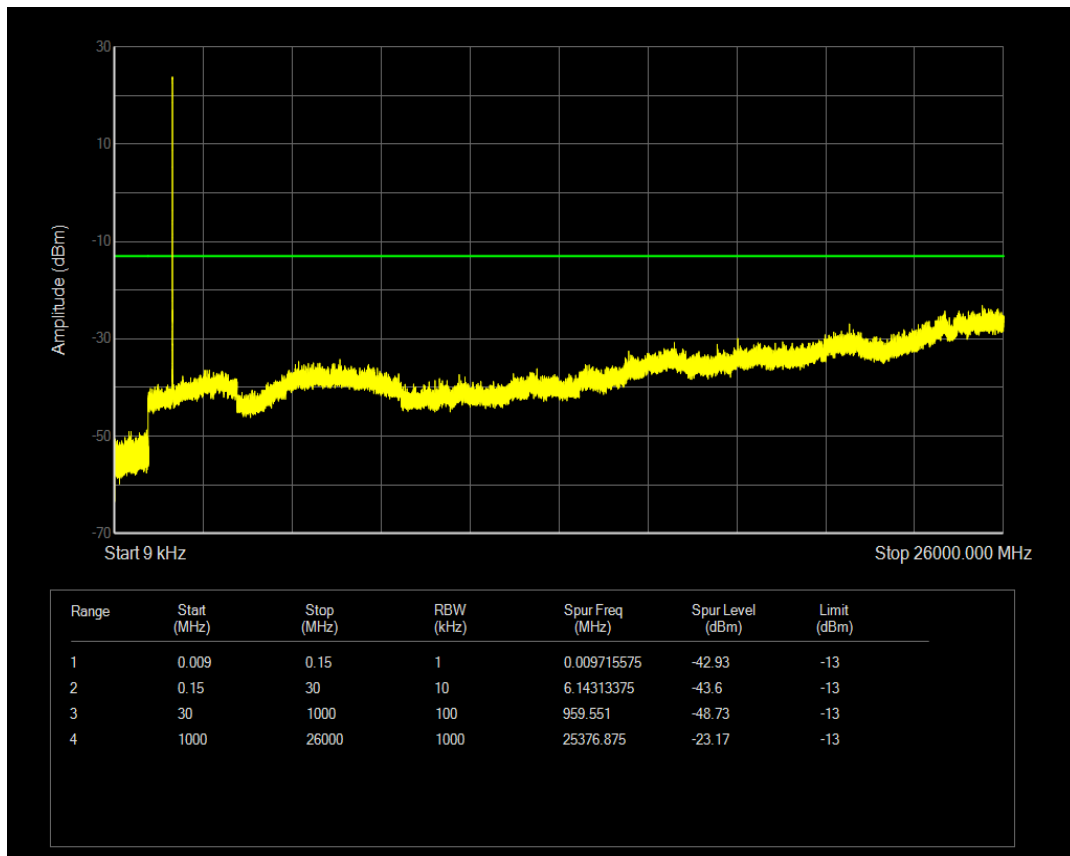
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



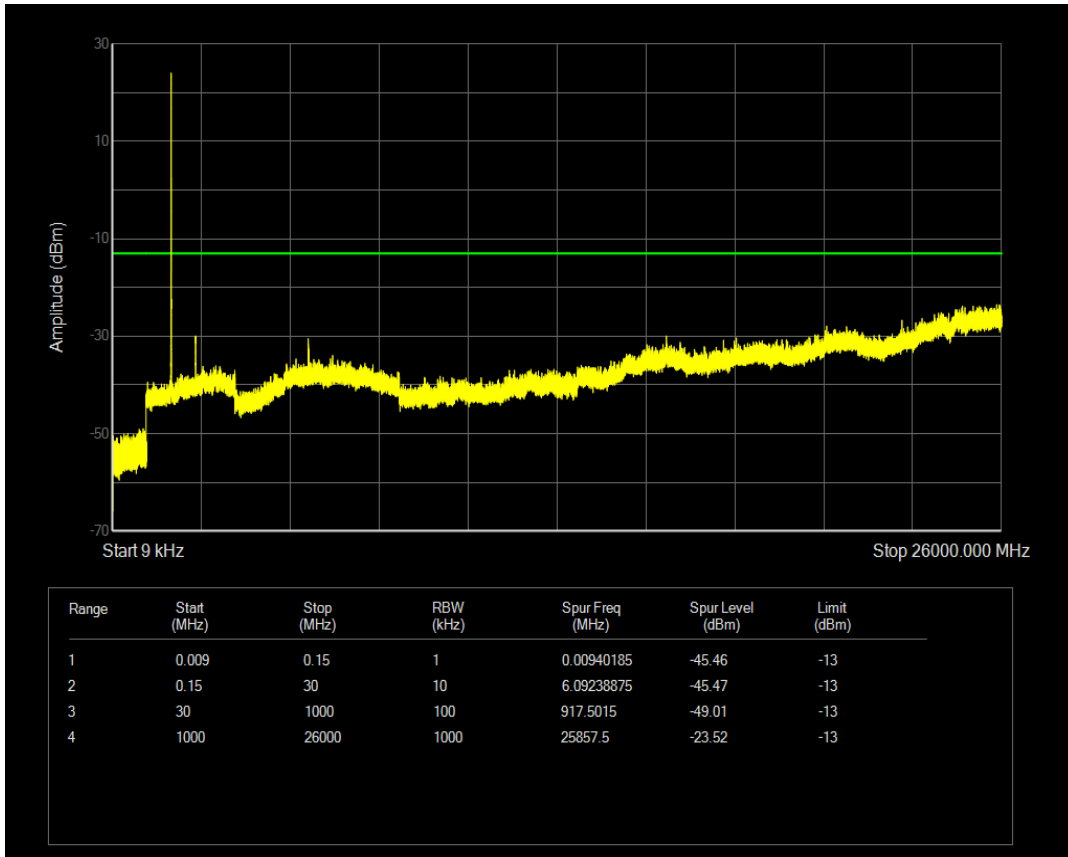
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



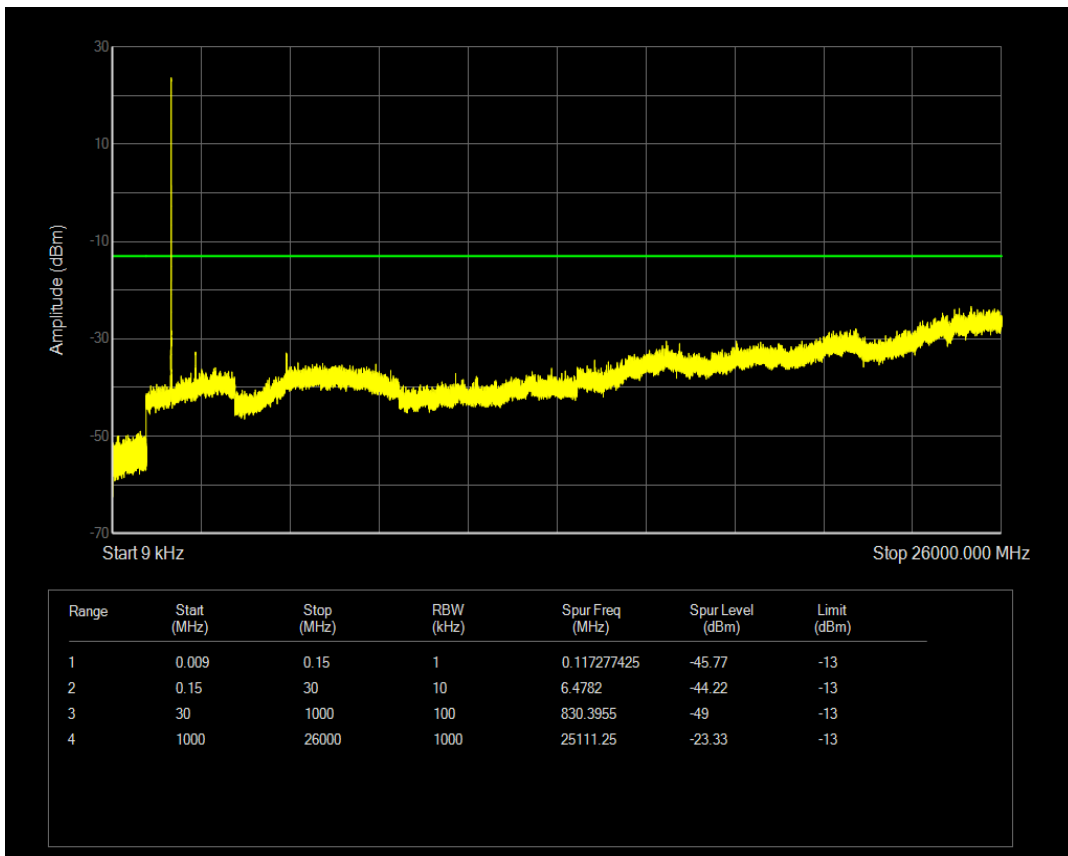
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



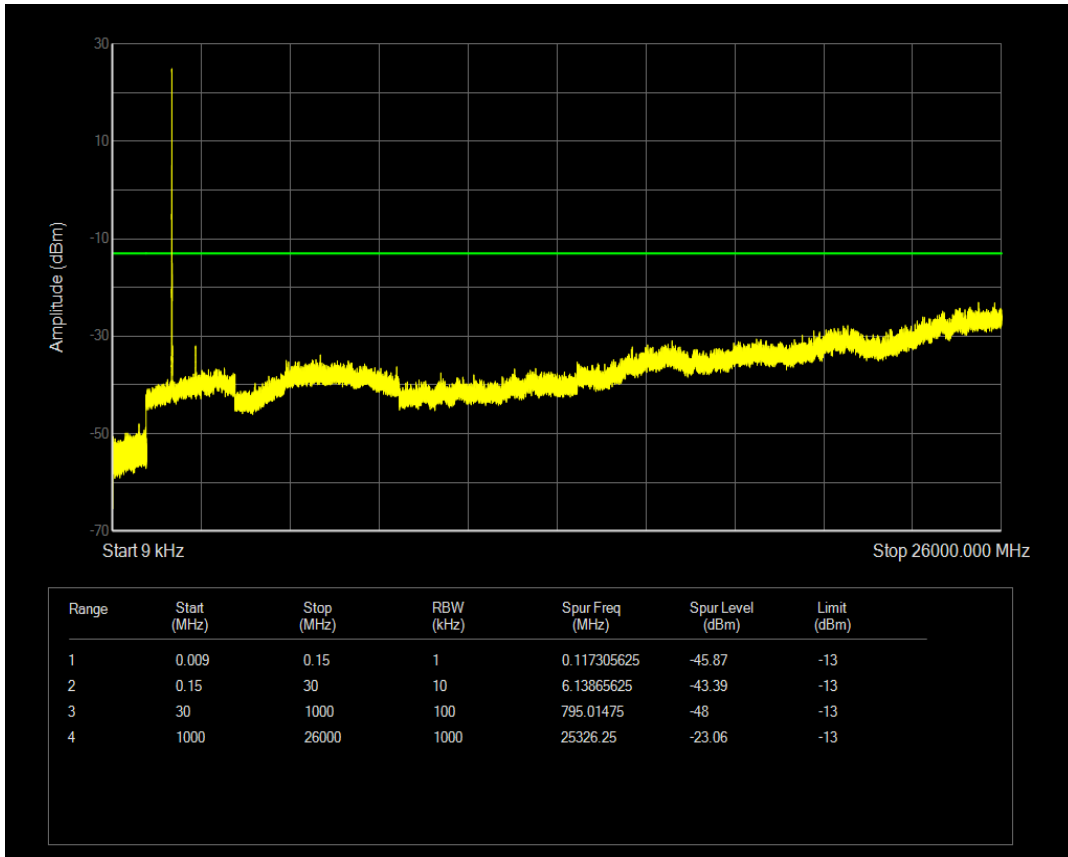
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



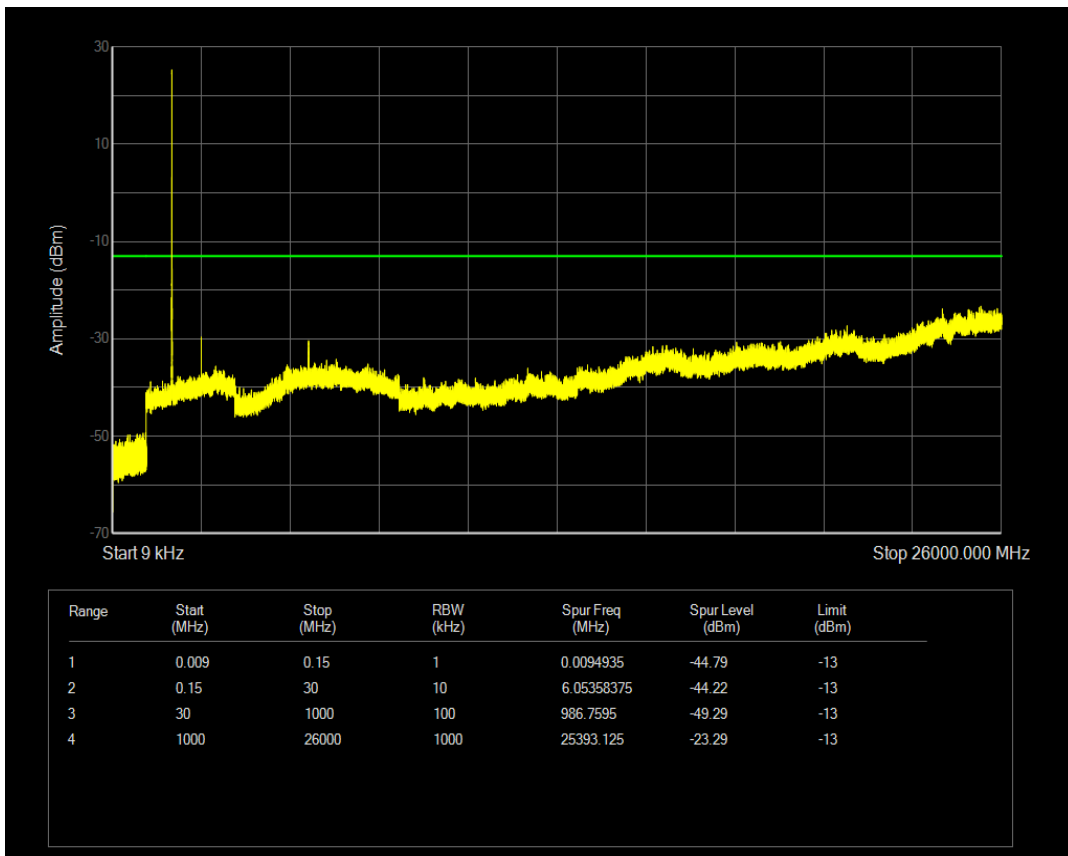
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



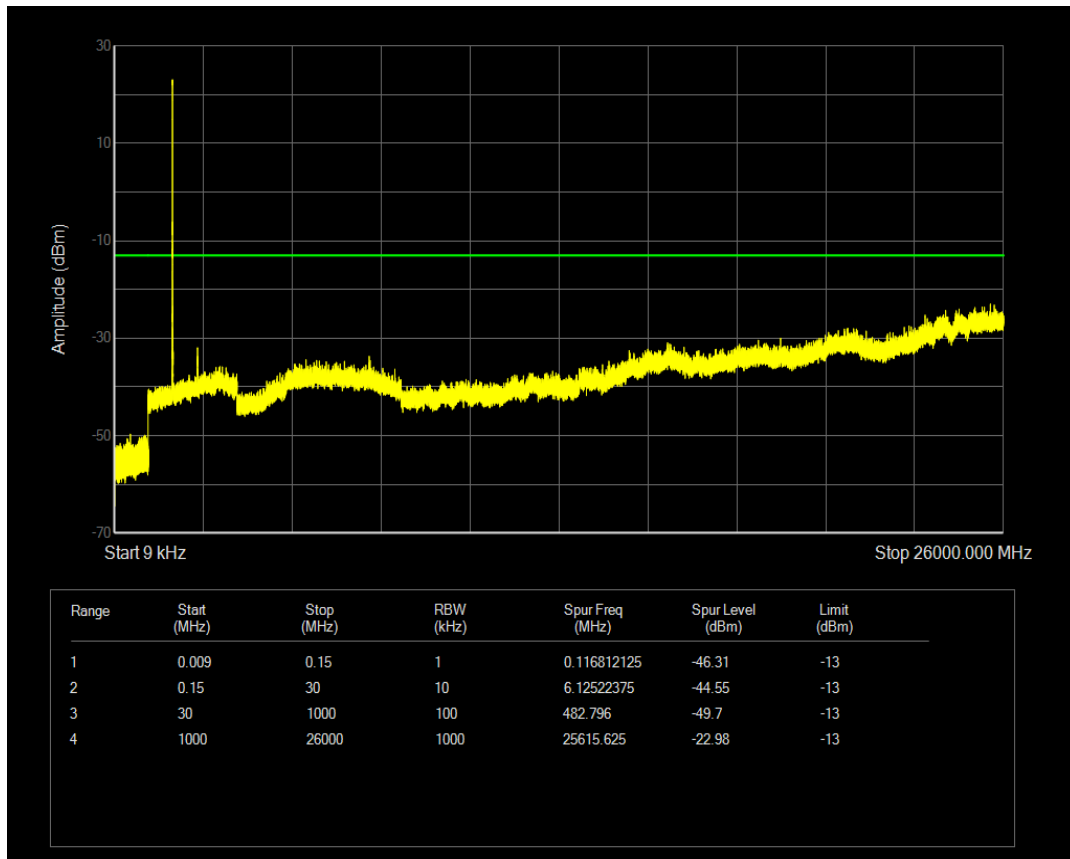
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



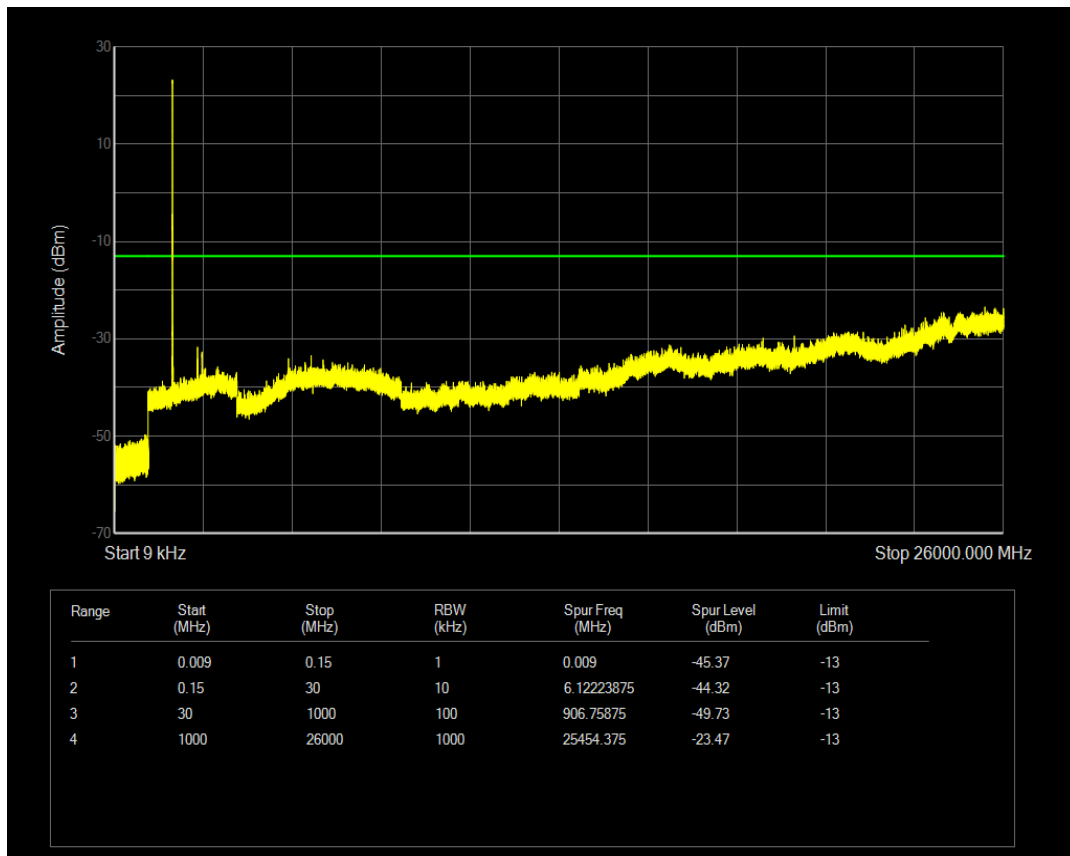
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



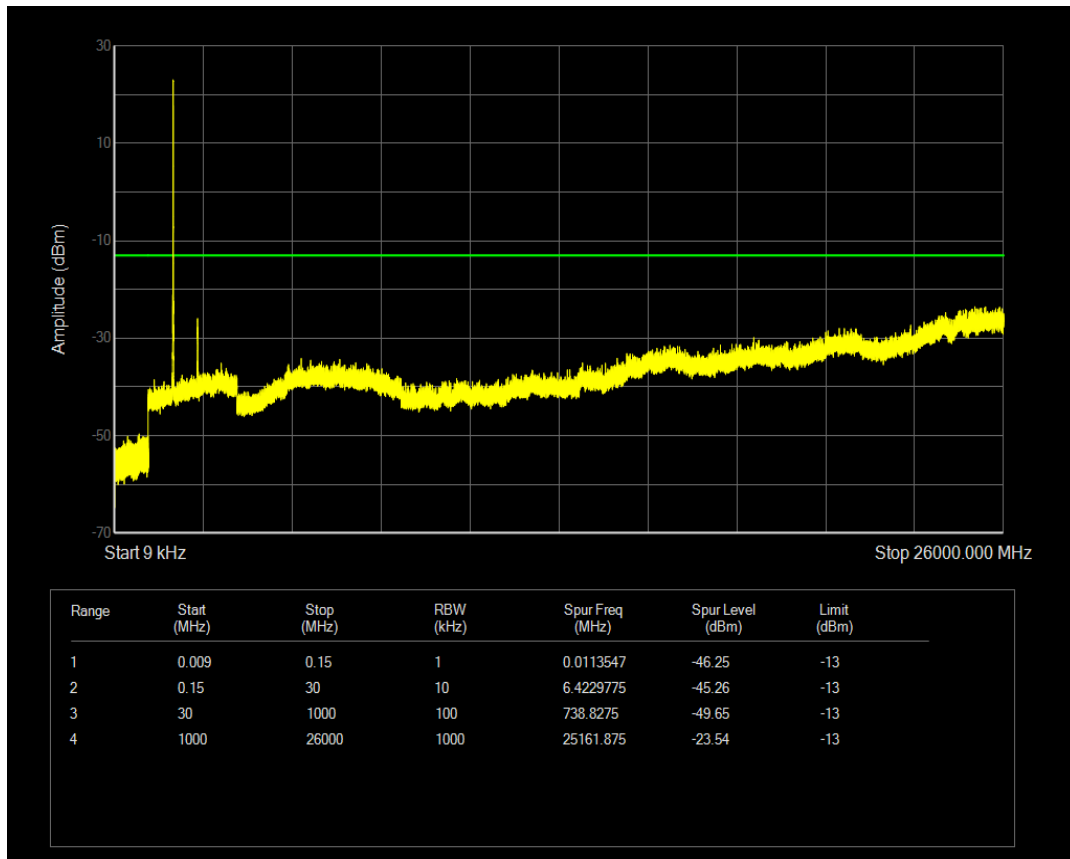
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



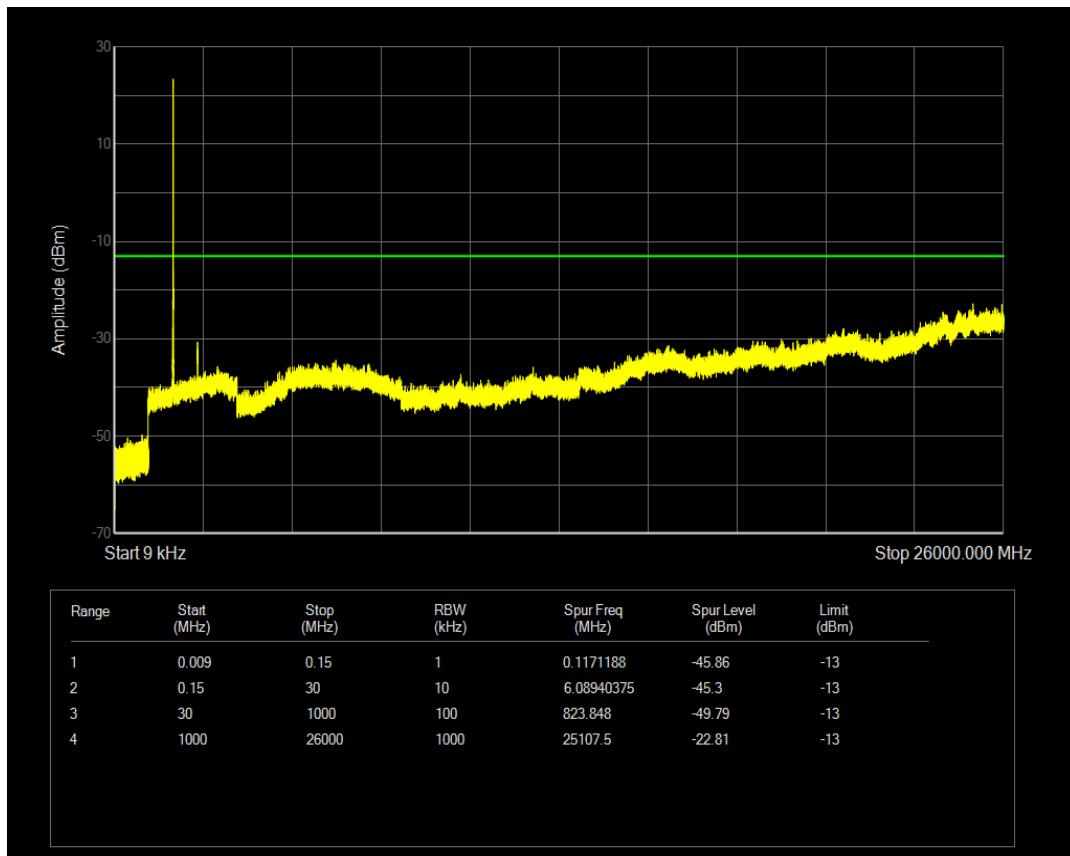
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



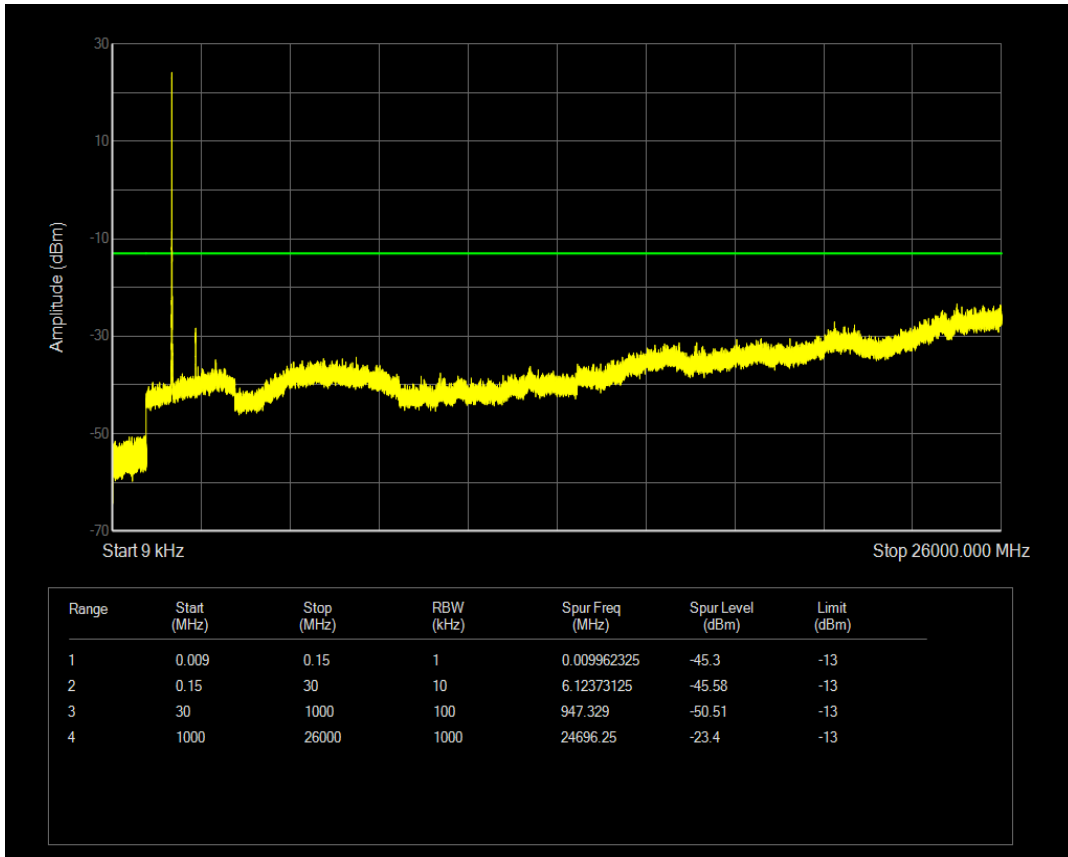
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



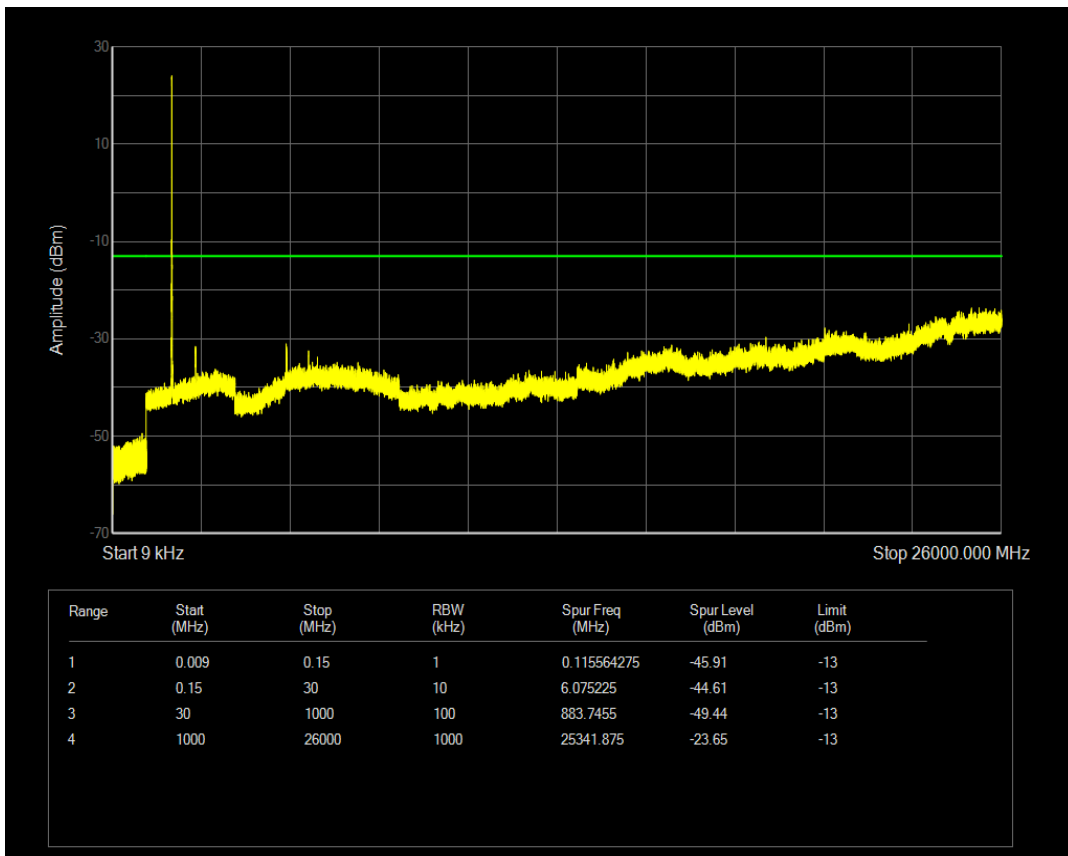
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



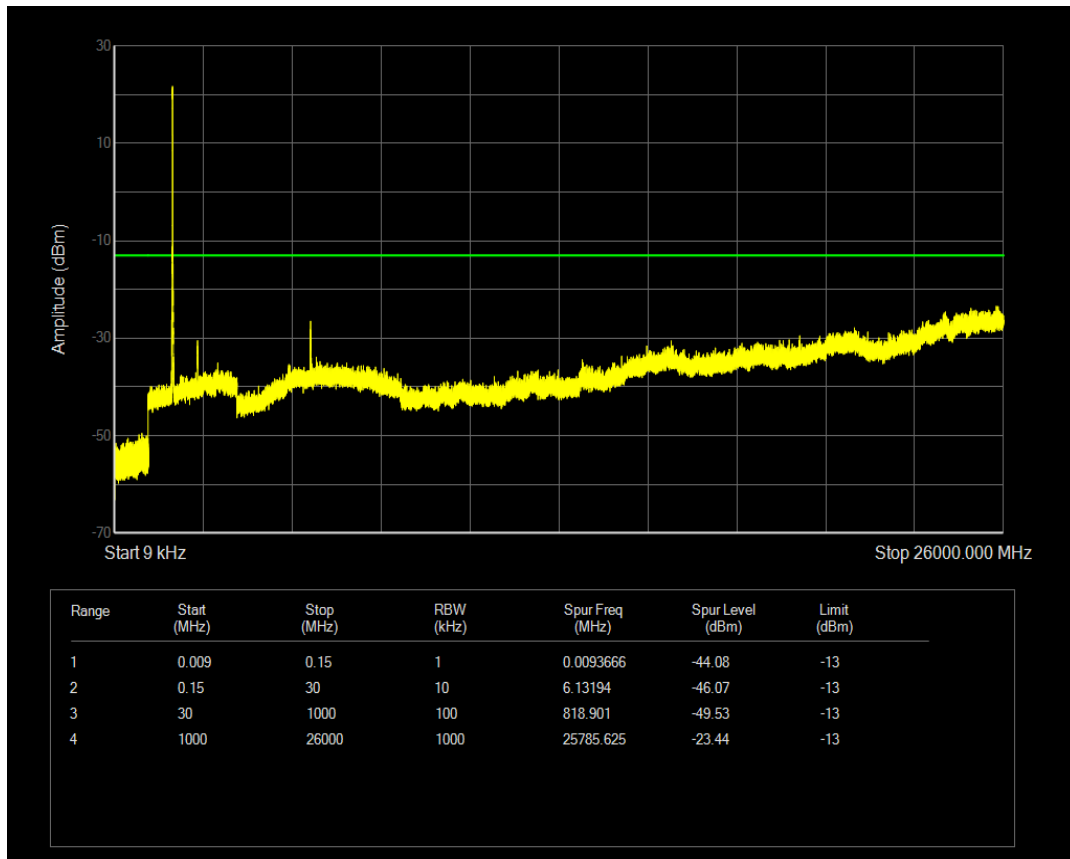
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



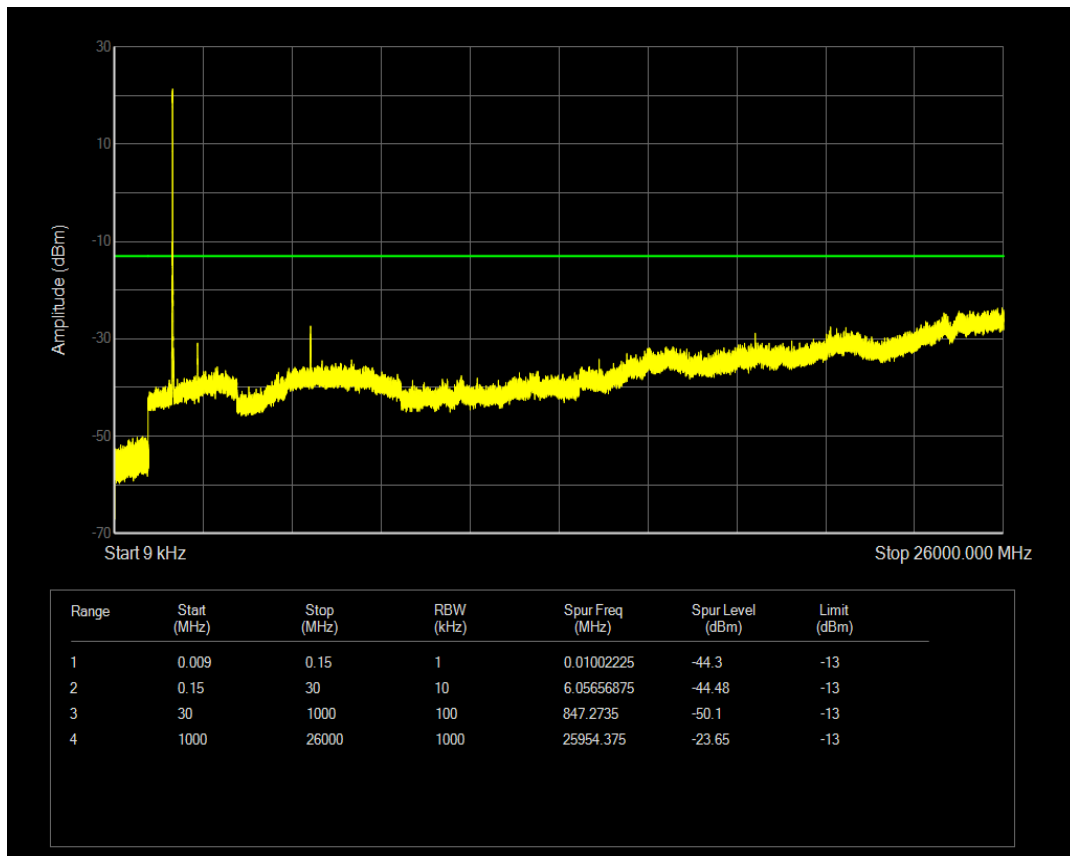
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



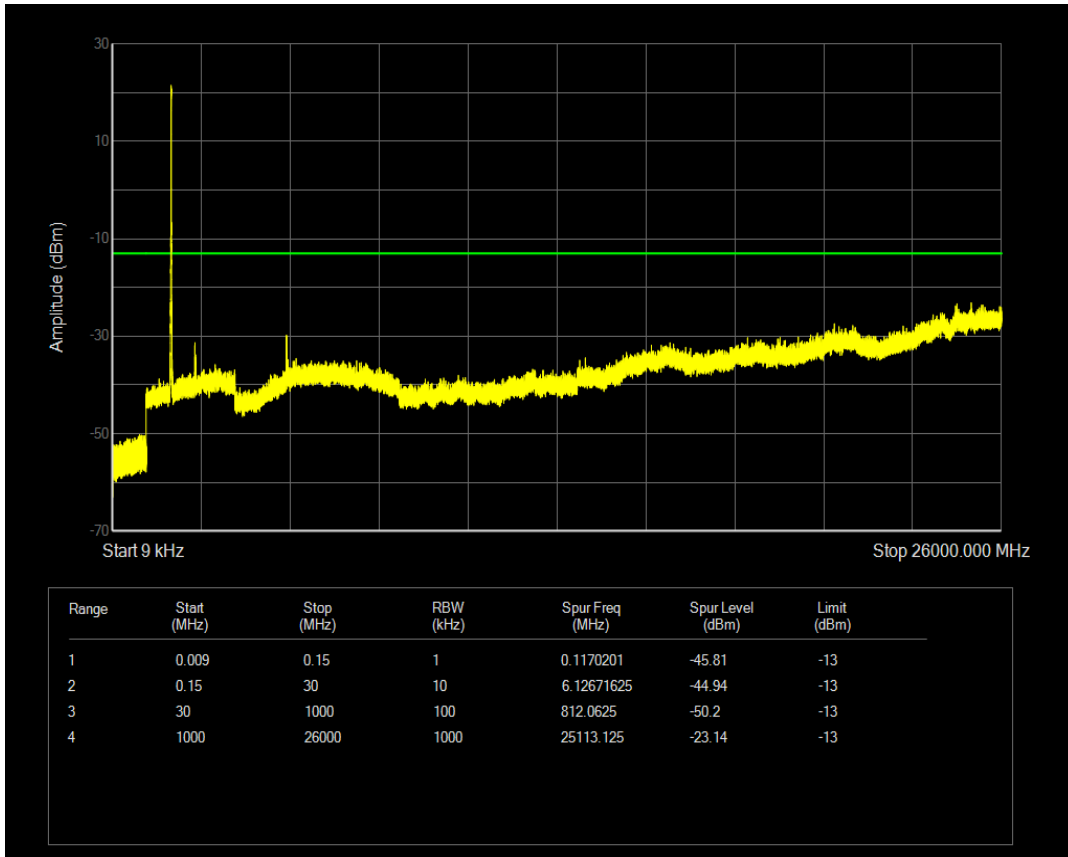
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



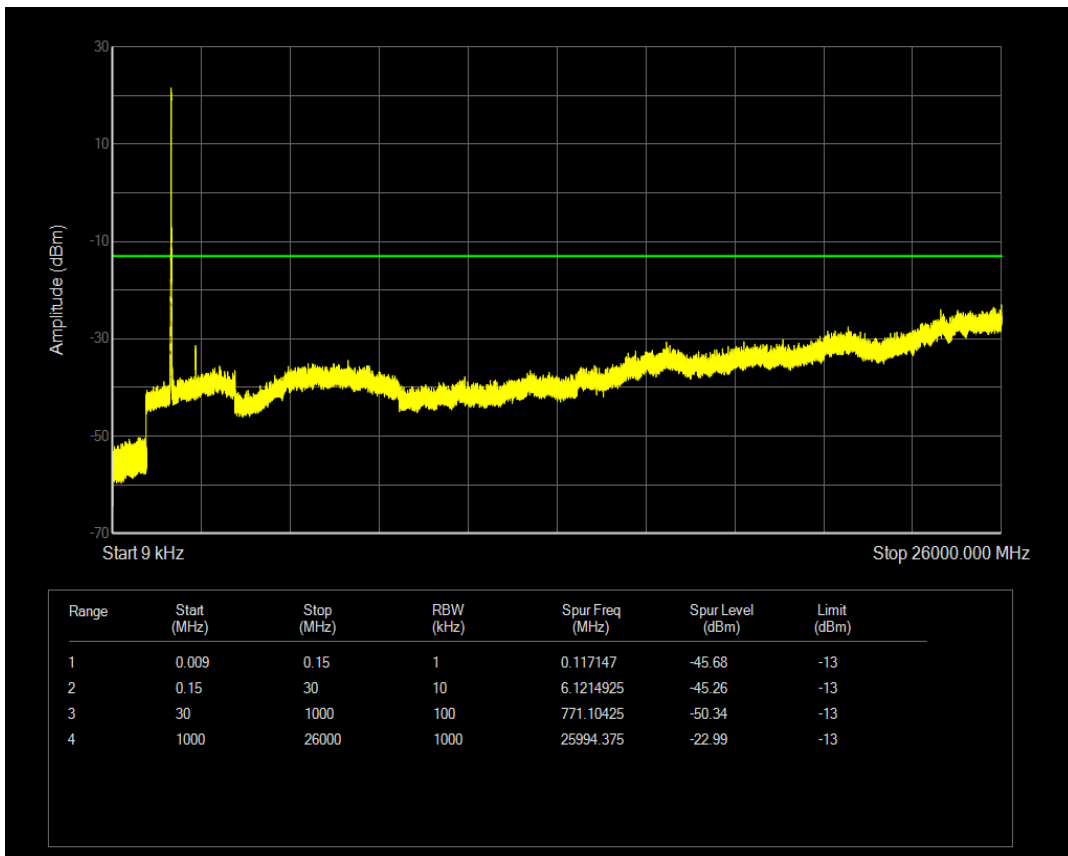
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



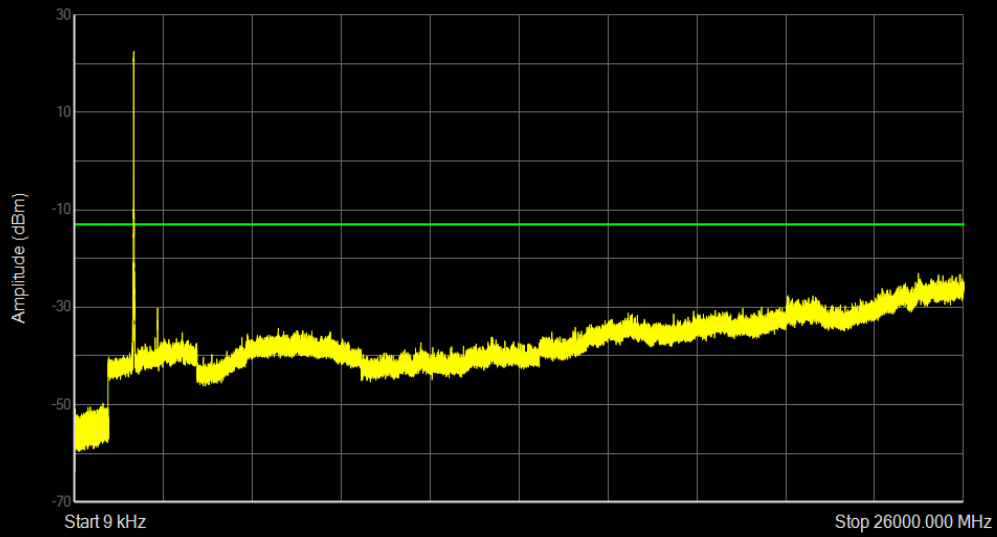
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



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

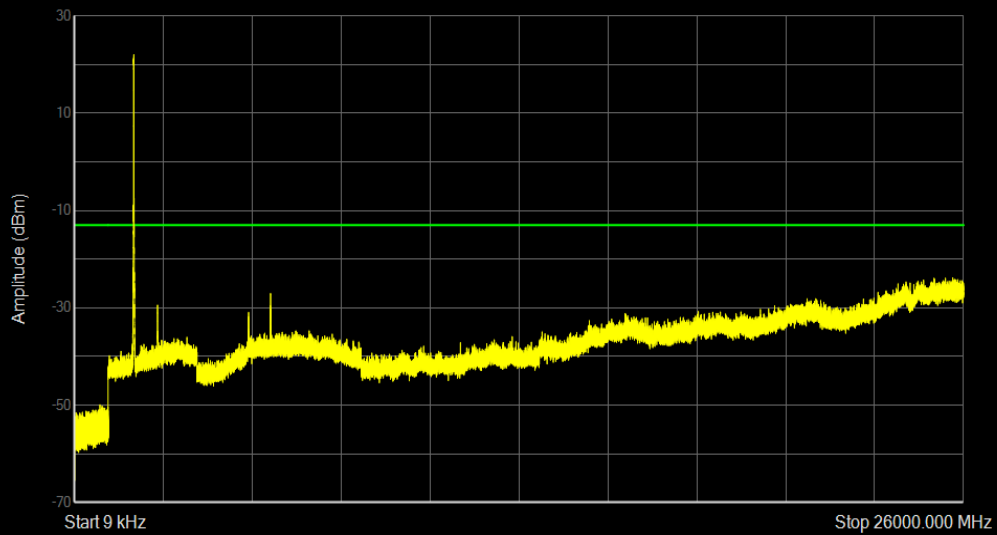


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



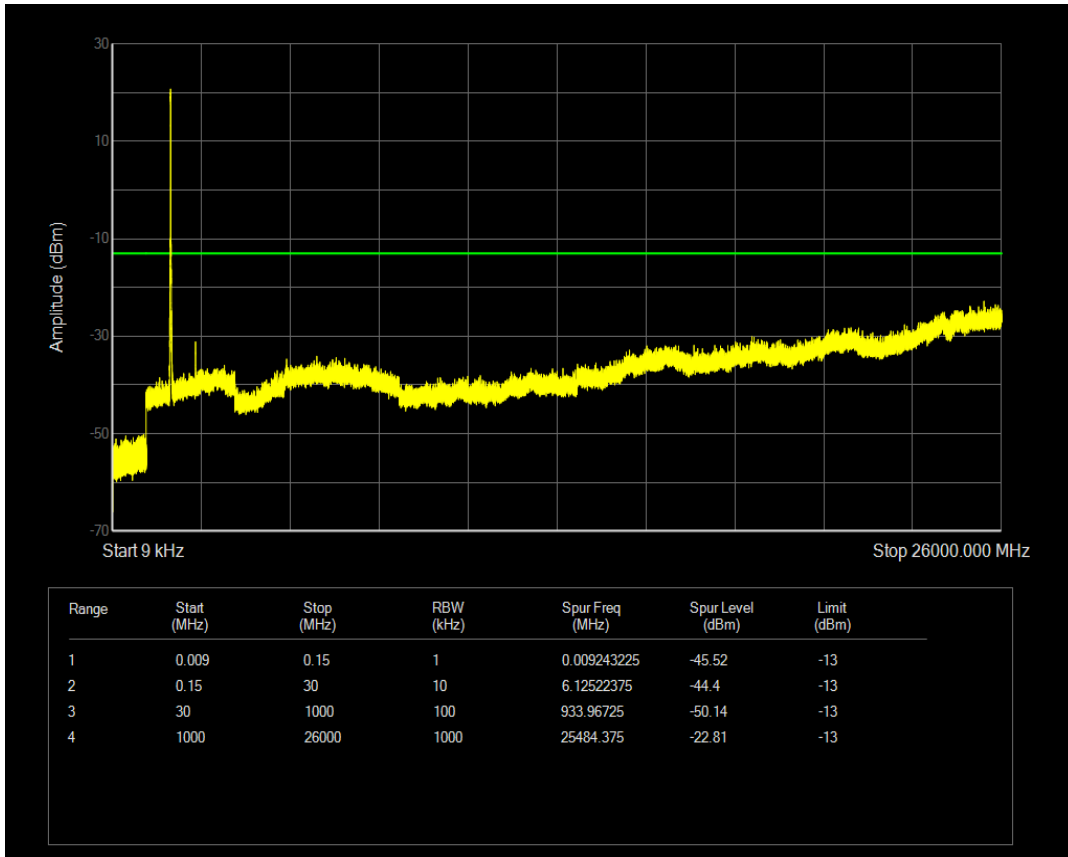
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.55	-13
2	0.15	30	10	6.4707375	-45.26	-13
3	30	1000	100	852.9965	-49.75	-13
4	1000	26000	1000	24678.75	-23.05	-13

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

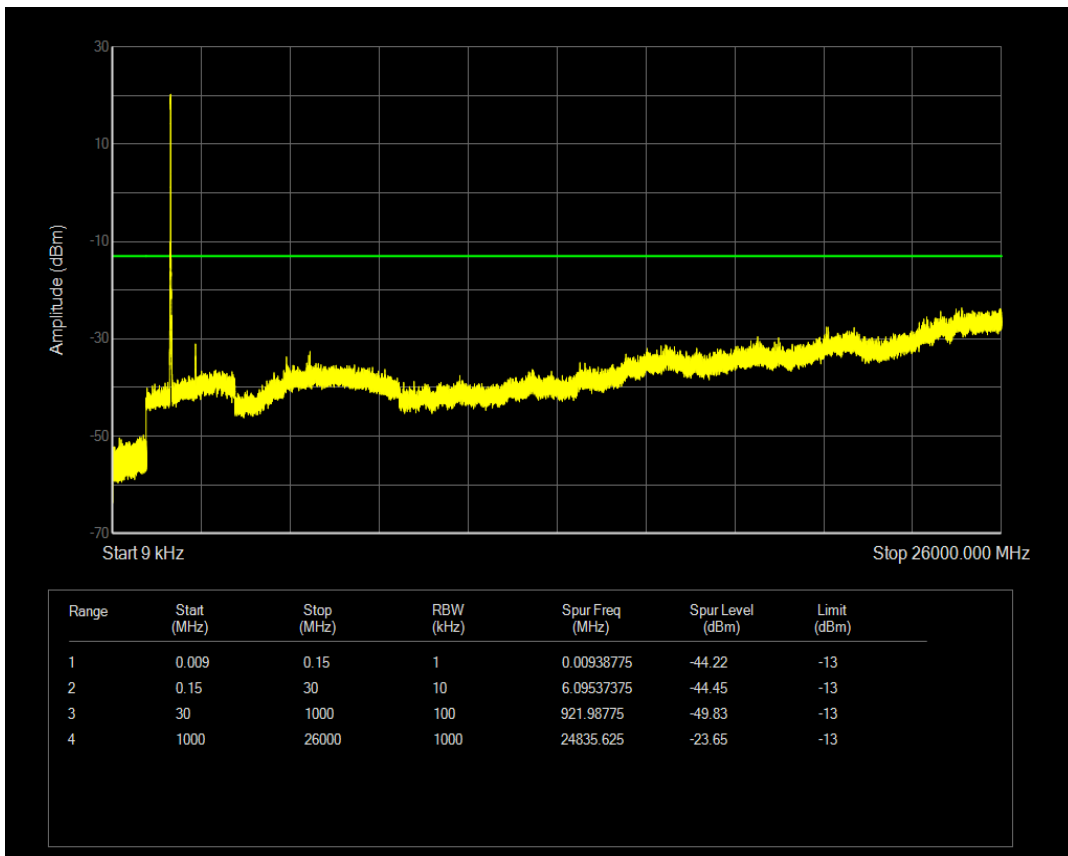


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.117897825	-45.9	-13
2	0.15	30	10	6.07447875	-45.18	-13
3	30	1000	100	761.6225	-49.93	-13
4	1000	26000	1000	25682.5	-23.83	-13

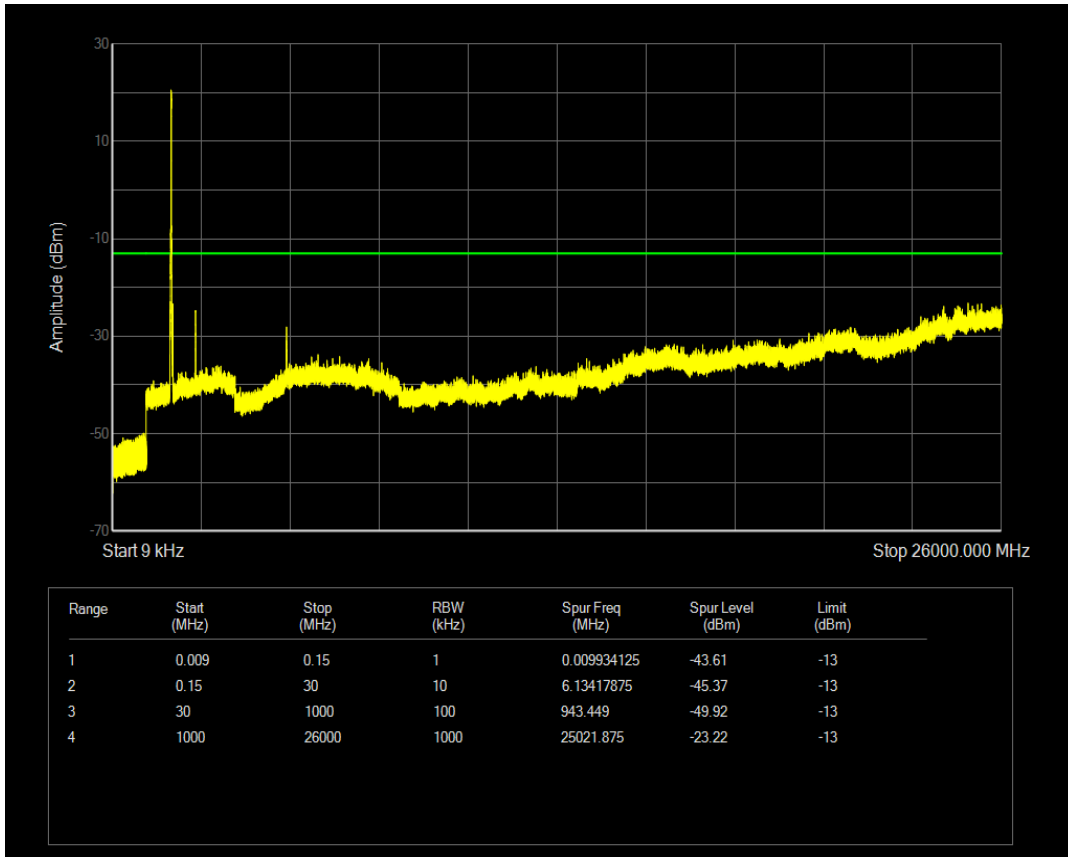
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



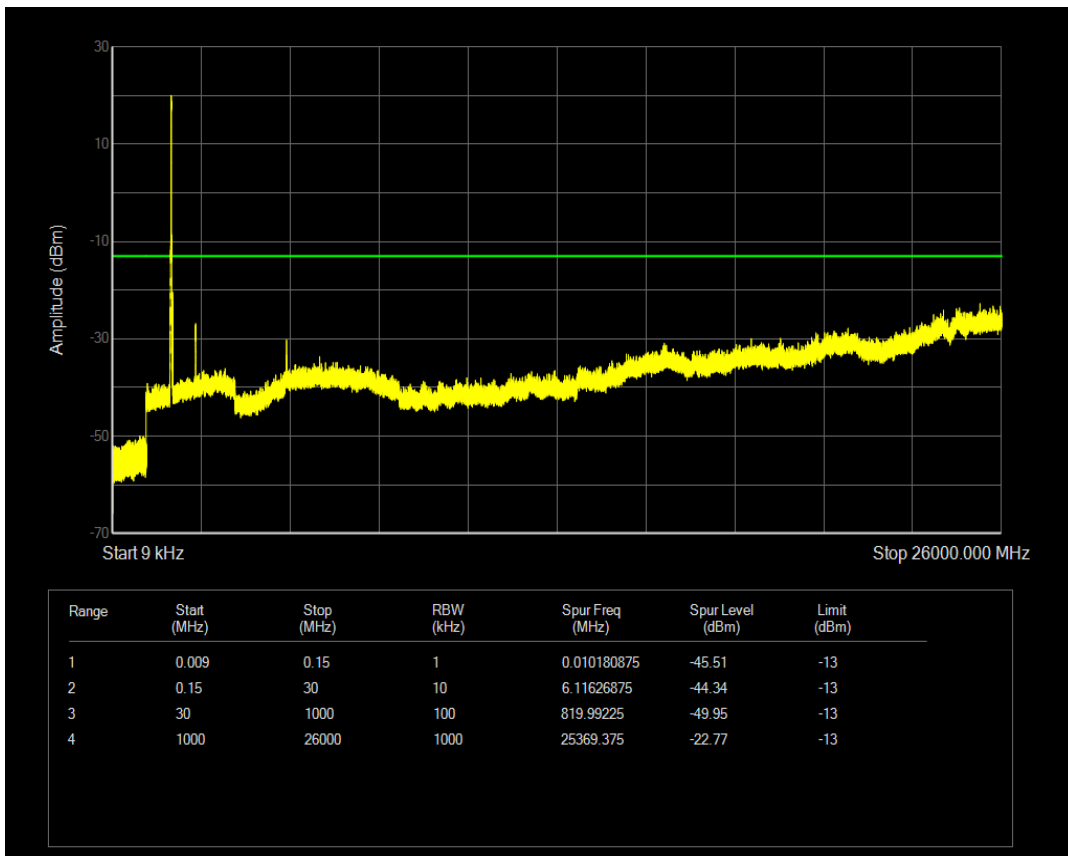
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



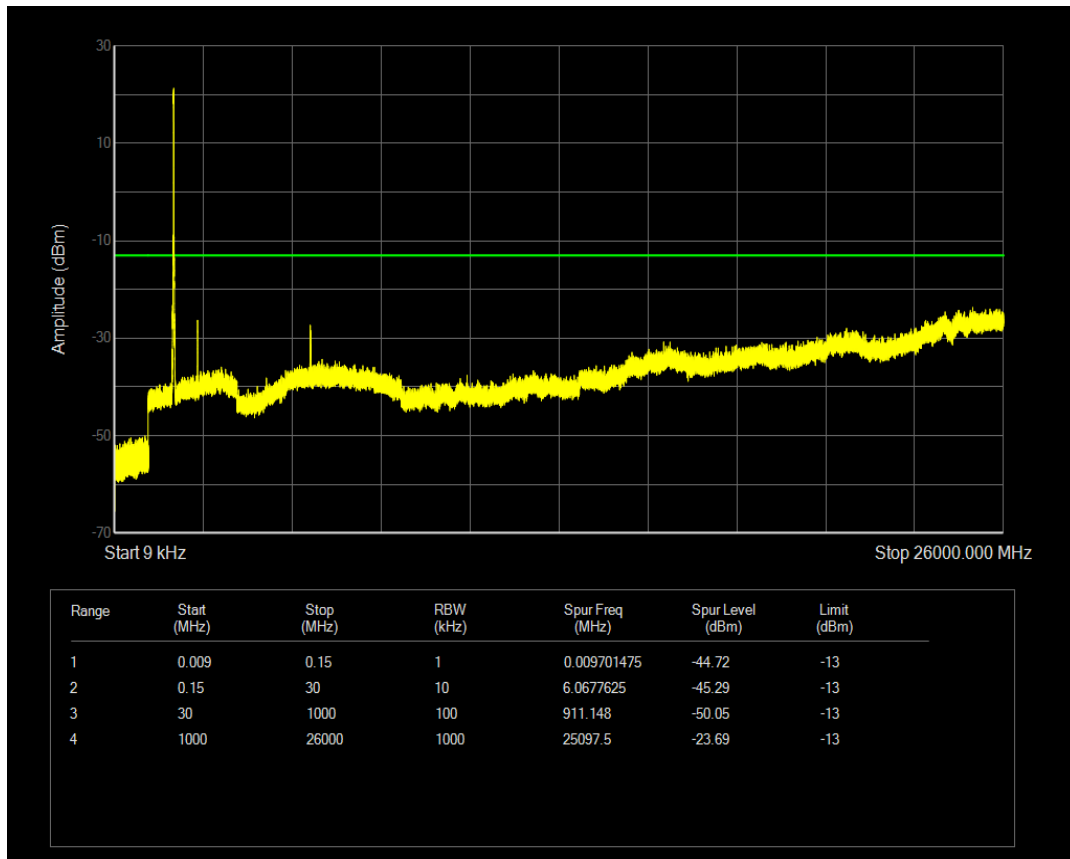
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



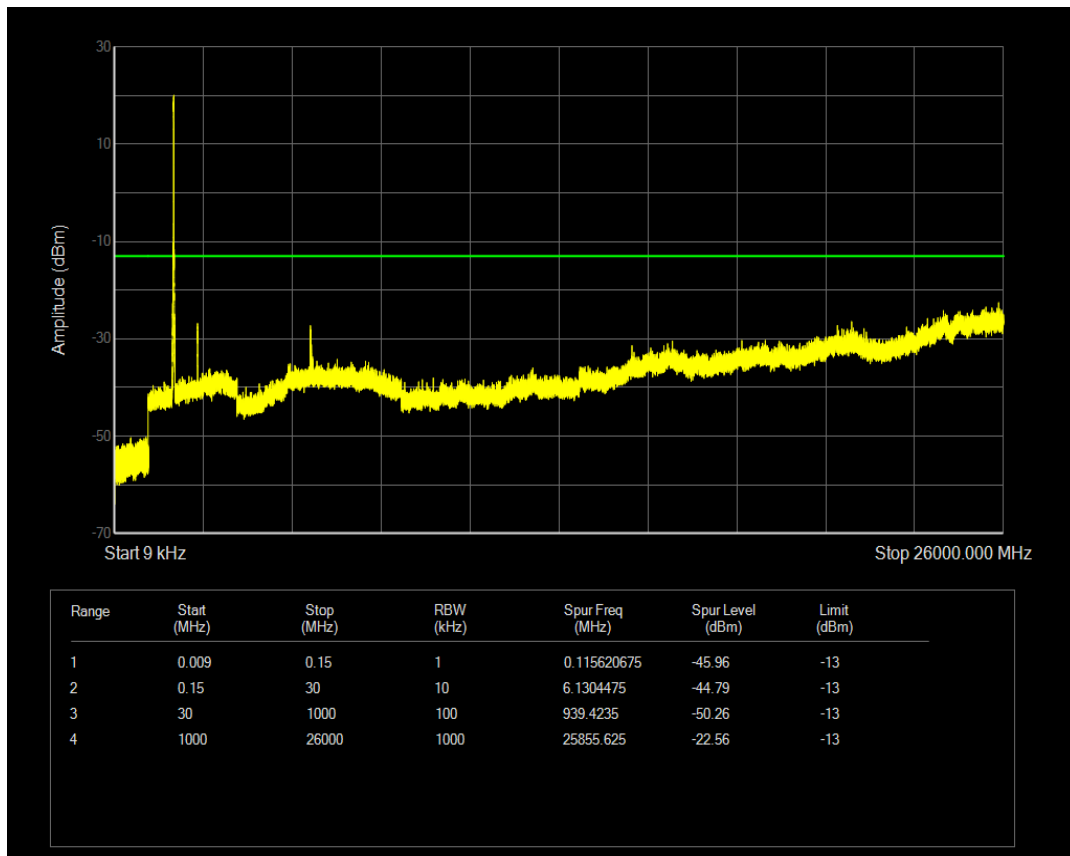
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



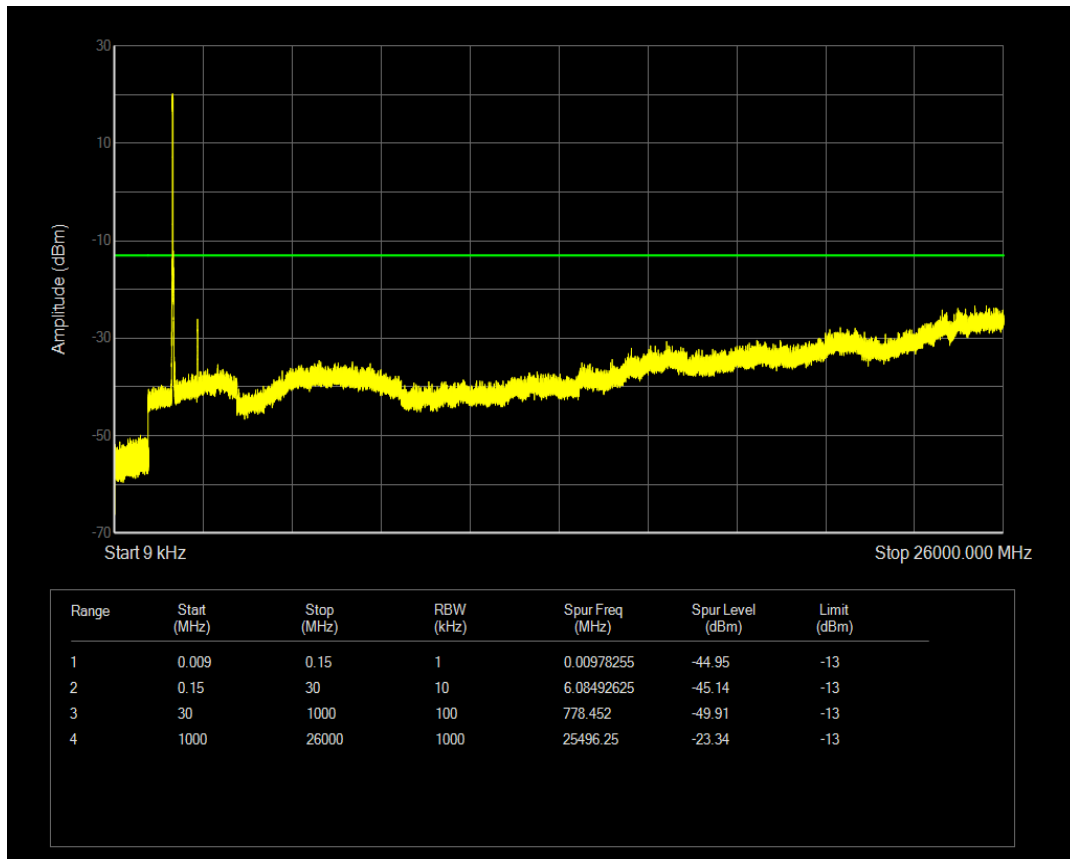
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



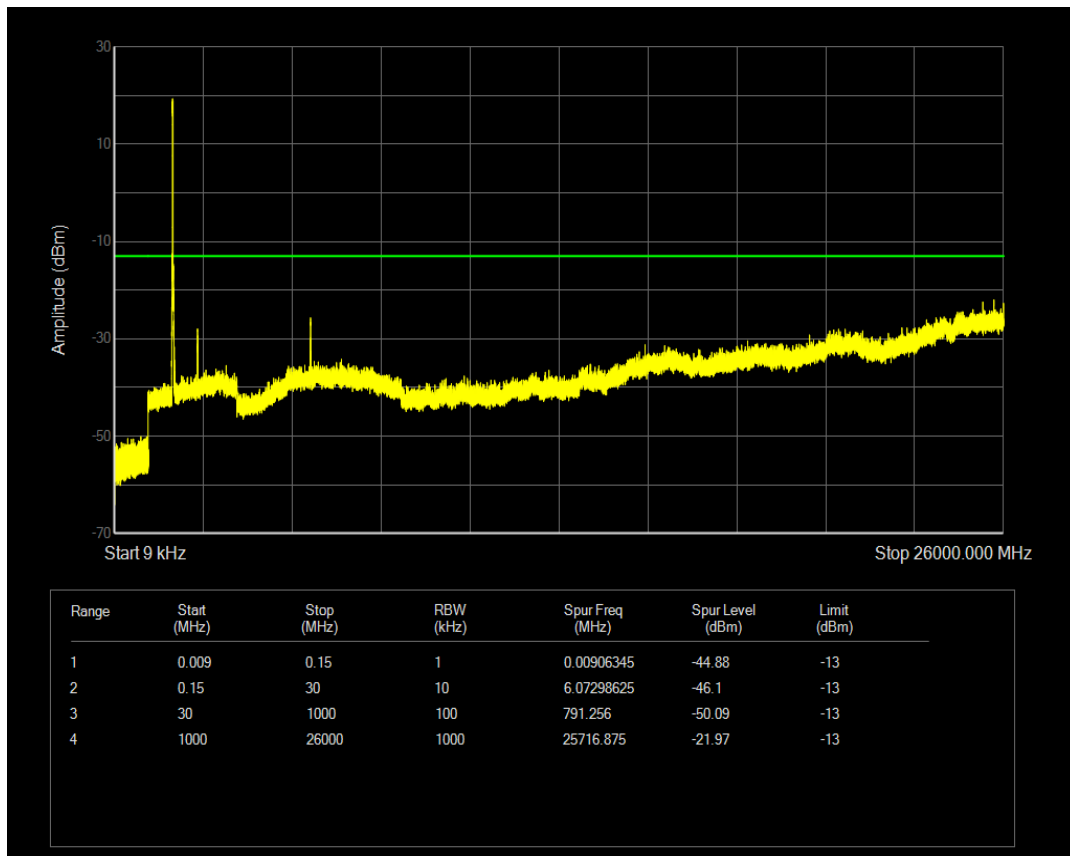
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



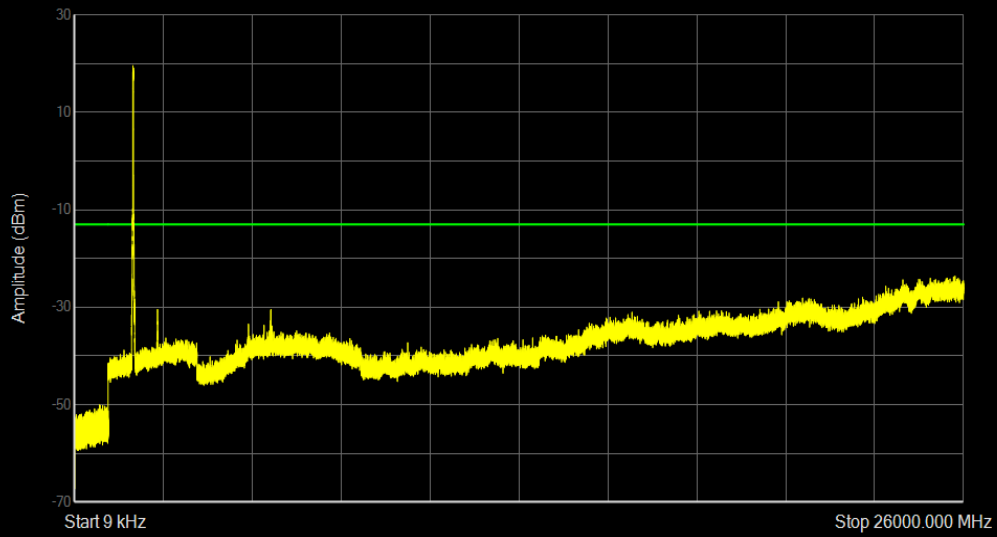
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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

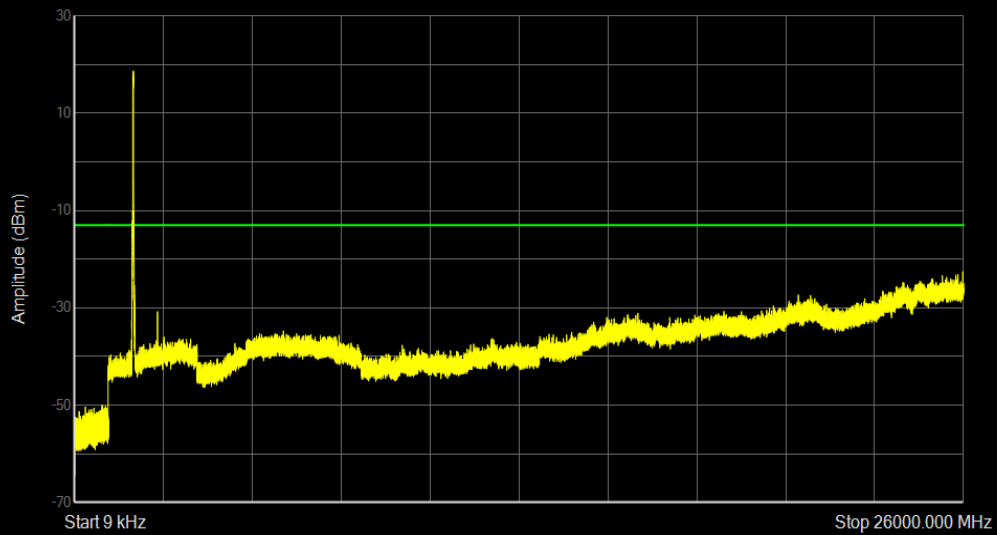


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



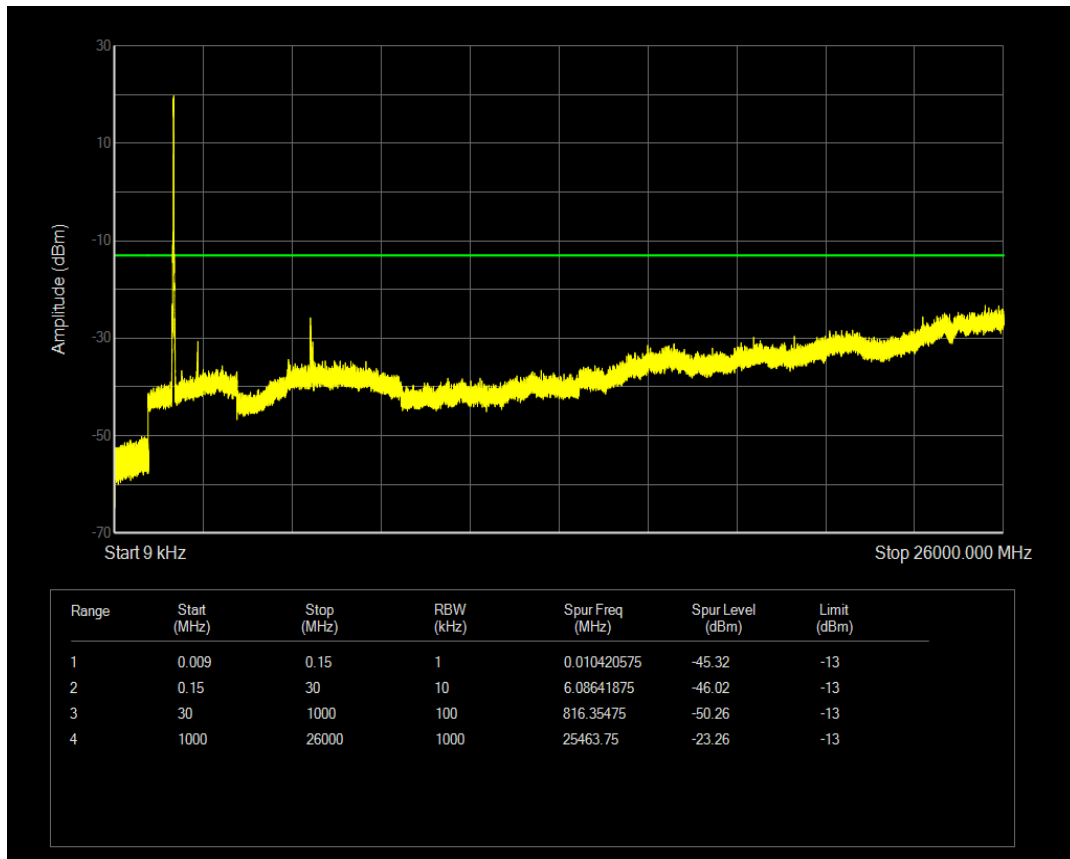
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116283375	-45.72	-13
2	0.15	30	10	6.1244775	-45.67	-13
3	30	1000	100	754.17775	-50.07	-13
4	1000	26000	1000	25750.625	-23.62	-13

Band4 16QAM BW=20MHz Channel=20175 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	0.009	-45.68	-13
2	0.15	30	10	6.403575	-46.01	-13
3	30	1000	100	826.24875	-49.97	-13
4	1000	26000	1000	25978.75	-22.57	-13

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



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

