

# Appendix for Band 4

Report No.: BCTC2408023427-6E

---

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY  
CO.,LTD

---

Product Name: Smart Phone

---

Test Model: P1

---

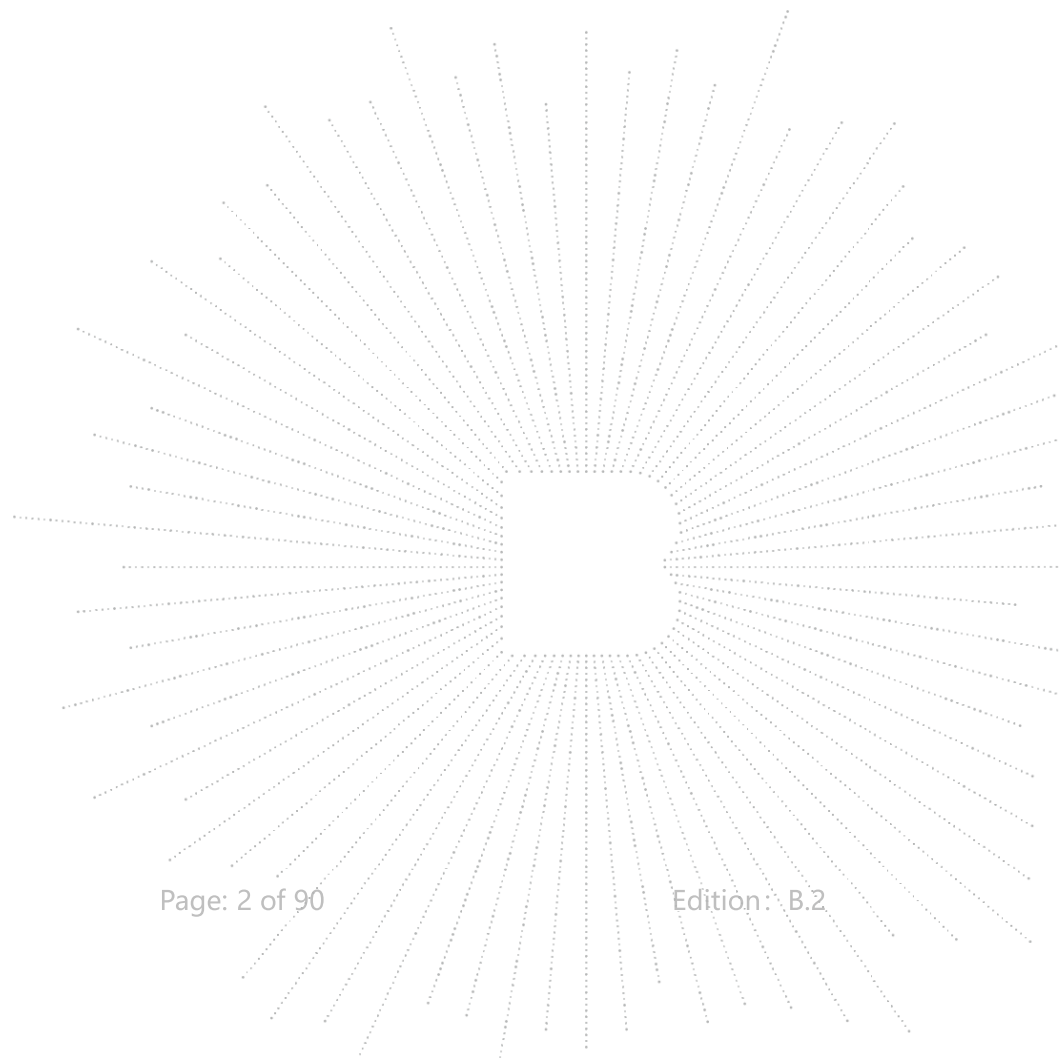
Tested Date: 2024-08-27 to 2024-09-27

---

**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 .....	21
Appendix 4. Occupied bandwidth .....	40
Appendix 5. Band edge .....	59
Appendix 6. Out-of-band emissions .....	72



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

### Measurement

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.92	-0.38	22.54	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.91	-0.38	22.53	PASS
Band4	1.4	19957	1	#Max	QPSK	22.84	-0.38	22.46	PASS
Band4	1.4	19957	3	#0	QPSK	22.79	-0.38	22.41	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.84	-0.38	22.46	PASS
Band4	1.4	19957	3	#Max	QPSK	22.80	-0.38	22.42	PASS
Band4	1.4	19957	6	#0	QPSK	21.87	-0.38	21.49	PASS
Band4	1.4	19957	1	#0	16QAM	21.82	-0.38	21.44	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.89	-0.38	21.51	PASS
Band4	1.4	19957	1	#Max	16QAM	21.82	-0.38	21.44	PASS
Band4	1.4	19957	3	#0	16QAM	21.98	-0.38	21.60	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.01	-0.38	21.63	PASS
Band4	1.4	19957	3	#Max	16QAM	21.93	-0.38	21.55	PASS
Band4	1.4	19957	6	#0	16QAM	21.04	-0.38	20.66	PASS
Band4	1.4	20175	1	#0	QPSK	22.56	-0.38	22.18	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.64	-0.38	22.26	PASS
Band4	1.4	20175	1	#Max	QPSK	22.54	-0.38	22.16	PASS
Band4	1.4	20175	3	#0	QPSK	22.71	-0.38	22.33	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.76	-0.38	22.38	PASS
Band4	1.4	20175	3	#Max	QPSK	22.71	-0.38	22.33	PASS
Band4	1.4	20175	6	#0	QPSK	21.75	-0.38	21.37	PASS
Band4	1.4	20175	1	#0	16QAM	21.85	-0.38	21.47	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.84	-0.38	21.46	PASS
Band4	1.4	20175	1	#Max	16QAM	21.80	-0.38	21.42	PASS
Band4	1.4	20175	3	#0	16QAM	21.97	-0.38	21.59	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.02	-0.38	21.64	PASS
Band4	1.4	20175	3	#Max	16QAM	21.97	-0.38	21.59	PASS
Band4	1.4	20175	6	#0	16QAM	20.97	-0.38	20.59	PASS
Band4	1.4	20393	1	#0	QPSK	22.61	-0.38	22.23	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.71	-0.38	22.33	PASS
Band4	1.4	20393	1	#Max	QPSK	22.64	-0.38	22.26	PASS
Band4	1.4	20393	3	#0	QPSK	22.64	-0.38	22.26	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.64	-0.38	22.26	PASS
Band4	1.4	20393	3	#Max	QPSK	22.64	-0.38	22.26	PASS
Band4	1.4	20393	6	#0	QPSK	21.72	-0.38	21.34	PASS
Band4	1.4	20393	1	#0	16QAM	21.34	-0.38	20.96	PASS

Band4	1.4	20393	1	#Mid	16QAM	21.43	-0.38	21.05	PASS
Band4	1.4	20393	1	#Max	16QAM	21.37	-0.38	20.99	PASS
Band4	1.4	20393	3	#0	16QAM	21.75	-0.38	21.37	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.78	-0.38	21.40	PASS
Band4	1.4	20393	3	#Max	16QAM	21.75	-0.38	21.37	PASS
Band4	1.4	20393	6	#0	16QAM	20.88	-0.38	20.50	PASS
Band4	3	19965	1	#0	QPSK	22.52	-0.38	22.14	PASS
Band4	3	19965	1	#Mid	QPSK	22.62	-0.38	22.24	PASS
Band4	3	19965	1	#Max	QPSK	22.52	-0.38	22.14	PASS
Band4	3	19965	8	#0	QPSK	21.73	-0.38	21.35	PASS
Band4	3	19965	8	#Mid	QPSK	21.83	-0.38	21.45	PASS
Band4	3	19965	8	#Max	QPSK	21.81	-0.38	21.43	PASS
Band4	3	19965	15	#0	QPSK	21.71	-0.38	21.33	PASS
Band4	3	19965	1	#0	16QAM	21.94	-0.38	21.56	PASS
Band4	3	19965	1	#Mid	16QAM	22.01	-0.38	21.63	PASS
Band4	3	19965	1	#Max	16QAM	21.88	-0.38	21.50	PASS
Band4	3	19965	8	#0	16QAM	20.82	-0.38	20.44	PASS
Band4	3	19965	8	#Mid	16QAM	20.89	-0.38	20.51	PASS
Band4	3	19965	8	#Max	16QAM	20.84	-0.38	20.46	PASS
Band4	3	19965	15	#0	16QAM	20.84	-0.38	20.46	PASS
Band4	3	20175	1	#0	QPSK	22.48	-0.38	22.10	PASS
Band4	3	20175	1	#Mid	QPSK	22.53	-0.38	22.15	PASS
Band4	3	20175	1	#Max	QPSK	22.42	-0.38	22.04	PASS
Band4	3	20175	8	#0	QPSK	21.66	-0.38	21.28	PASS
Band4	3	20175	8	#Mid	QPSK	21.71	-0.38	21.33	PASS
Band4	3	20175	8	#Max	QPSK	21.68	-0.38	21.30	PASS
Band4	3	20175	15	#0	QPSK	21.63	-0.38	21.25	PASS
Band4	3	20175	1	#0	16QAM	21.67	-0.38	21.29	PASS
Band4	3	20175	1	#Mid	16QAM	21.73	-0.38	21.35	PASS
Band4	3	20175	1	#Max	16QAM	21.64	-0.38	21.26	PASS
Band4	3	20175	8	#0	16QAM	20.75	-0.38	20.37	PASS
Band4	3	20175	8	#Mid	16QAM	20.80	-0.38	20.42	PASS
Band4	3	20175	8	#Max	16QAM	20.69	-0.38	20.31	PASS
Band4	3	20175	15	#0	16QAM	20.68	-0.38	20.30	PASS
Band4	3	20385	1	#0	QPSK	22.44	-0.38	22.06	PASS
Band4	3	20385	1	#Mid	QPSK	22.56	-0.38	22.18	PASS
Band4	3	20385	1	#Max	QPSK	22.55	-0.38	22.17	PASS
Band4	3	20385	8	#0	QPSK	21.60	-0.38	21.22	PASS
Band4	3	20385	8	#Mid	QPSK	21.67	-0.38	21.29	PASS
Band4	3	20385	8	#Max	QPSK	21.64	-0.38	21.26	PASS
Band4	3	20385	15	#0	QPSK	21.59	-0.38	21.21	PASS
Band4	3	20385	1	#0	16QAM	21.23	-0.38	20.85	PASS
Band4	3	20385	1	#Mid	16QAM	21.29	-0.38	20.91	PASS

Band4	3	20385	1	#Max	16QAM	21.22	-0.38	20.84	PASS
Band4	3	20385	8	#0	16QAM	20.59	-0.38	20.21	PASS
Band4	3	20385	8	#Mid	16QAM	20.64	-0.38	20.26	PASS
Band4	3	20385	8	#Max	16QAM	20.67	-0.38	20.29	PASS
Band4	3	20385	15	#0	16QAM	20.69	-0.38	20.31	PASS
Band4	5	19975	1	#0	QPSK	22.80	-0.38	22.42	PASS
Band4	5	19975	1	#Mid	QPSK	22.83	-0.38	22.45	PASS
Band4	5	19975	1	#Max	QPSK	22.80	-0.38	22.42	PASS
Band4	5	19975	12	#0	QPSK	21.76	-0.38	21.38	PASS
Band4	5	19975	12	#Mid	QPSK	21.86	-0.38	21.48	PASS
Band4	5	19975	12	#Max	QPSK	21.83	-0.38	21.45	PASS
Band4	5	19975	25	#0	QPSK	21.80	-0.38	21.42	PASS
Band4	5	19975	1	#0	16QAM	22.24	-0.38	21.86	PASS
Band4	5	19975	1	#Mid	16QAM	22.33	-0.38	21.95	PASS
Band4	5	19975	1	#Max	16QAM	22.28	-0.38	21.90	PASS
Band4	5	19975	12	#0	16QAM	20.80	-0.38	20.42	PASS
Band4	5	19975	12	#Mid	16QAM	20.91	-0.38	20.53	PASS
Band4	5	19975	12	#Max	16QAM	20.91	-0.38	20.53	PASS
Band4	5	19975	25	#0	16QAM	20.87	-0.38	20.49	PASS
Band4	5	20175	1	#0	QPSK	22.71	-0.38	22.33	PASS
Band4	5	20175	1	#Mid	QPSK	22.77	-0.38	22.39	PASS
Band4	5	20175	1	#Max	QPSK	22.74	-0.38	22.36	PASS
Band4	5	20175	12	#0	QPSK	21.71	-0.38	21.33	PASS
Band4	5	20175	12	#Mid	QPSK	21.79	-0.38	21.41	PASS
Band4	5	20175	12	#Max	QPSK	21.75	-0.38	21.37	PASS
Band4	5	20175	25	#0	QPSK	21.76	-0.38	21.38	PASS
Band4	5	20175	1	#0	16QAM	22.09	-0.38	21.71	PASS
Band4	5	20175	1	#Mid	16QAM	22.13	-0.38	21.75	PASS
Band4	5	20175	1	#Max	16QAM	22.03	-0.38	21.65	PASS
Band4	5	20175	12	#0	16QAM	20.77	-0.38	20.39	PASS
Band4	5	20175	12	#Mid	16QAM	20.84	-0.38	20.46	PASS
Band4	5	20175	12	#Max	16QAM	20.76	-0.38	20.38	PASS
Band4	5	20175	25	#0	16QAM	20.85	-0.38	20.47	PASS
Band4	5	20375	1	#0	QPSK	22.57	-0.38	22.19	PASS
Band4	5	20375	1	#Mid	QPSK	22.65	-0.38	22.27	PASS
Band4	5	20375	1	#Max	QPSK	22.59	-0.38	22.21	PASS
Band4	5	20375	12	#0	QPSK	21.62	-0.38	21.24	PASS
Band4	5	20375	12	#Mid	QPSK	21.68	-0.38	21.30	PASS
Band4	5	20375	12	#Max	QPSK	21.67	-0.38	21.29	PASS
Band4	5	20375	25	#0	QPSK	21.64	-0.38	21.26	PASS
Band4	5	20375	1	#0	16QAM	21.83	-0.38	21.45	PASS
Band4	5	20375	1	#Mid	16QAM	21.92	-0.38	21.54	PASS
Band4	5	20375	1	#Max	16QAM	21.88	-0.38	21.50	PASS

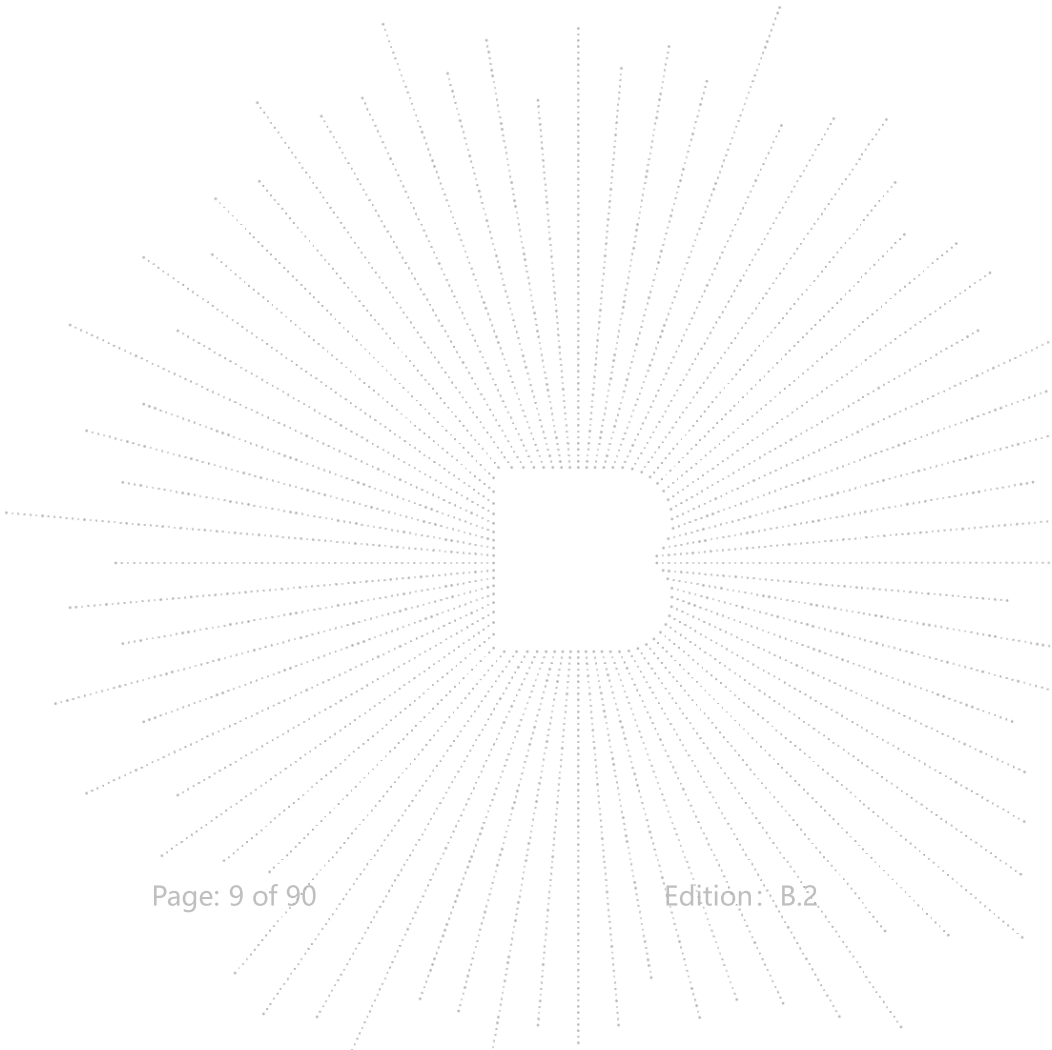
Band4	5	20375	12	#0	16QAM	20.68	-0.38	20.30	PASS
Band4	5	20375	12	#Mid	16QAM	20.76	-0.38	20.38	PASS
Band4	5	20375	12	#Max	16QAM	20.74	-0.38	20.36	PASS
Band4	5	20375	25	#0	16QAM	20.68	-0.38	20.30	PASS
Band4	10	20000	1	#0	QPSK	22.82	-0.38	22.44	PASS
Band4	10	20000	1	#Mid	QPSK	22.88	-0.38	22.50	PASS
Band4	10	20000	1	#Max	QPSK	22.79	-0.38	22.41	PASS
Band4	10	20000	25	#0	QPSK	21.74	-0.38	21.36	PASS
Band4	10	20000	25	#Mid	QPSK	21.88	-0.38	21.50	PASS
Band4	10	20000	25	#Max	QPSK	21.86	-0.38	21.48	PASS
Band4	10	20000	50	#0	QPSK	21.84	-0.38	21.46	PASS
Band4	10	20000	1	#0	16QAM	22.21	-0.38	21.83	PASS
Band4	10	20000	1	#Mid	16QAM	22.28	-0.38	21.90	PASS
Band4	10	20000	1	#Max	16QAM	22.22	-0.38	21.84	PASS
Band4	10	20000	25	#0	16QAM	20.87	-0.38	20.49	PASS
Band4	10	20000	25	#Mid	16QAM	20.92	-0.38	20.54	PASS
Band4	10	20000	25	#Max	16QAM	20.95	-0.38	20.57	PASS
Band4	10	20000	50	#0	16QAM	20.86	-0.38	20.48	PASS
Band4	10	20175	1	#0	QPSK	22.88	-0.38	22.50	PASS
Band4	10	20175	1	#Mid	QPSK	22.89	-0.38	22.51	PASS
Band4	10	20175	1	#Max	QPSK	22.78	-0.38	22.40	PASS
Band4	10	20175	25	#0	QPSK	21.74	-0.38	21.36	PASS
Band4	10	20175	25	#Mid	QPSK	21.81	-0.38	21.43	PASS
Band4	10	20175	25	#Max	QPSK	21.75	-0.38	21.37	PASS
Band4	10	20175	50	#0	QPSK	21.79	-0.38	21.41	PASS
Band4	10	20175	1	#0	16QAM	21.70	-0.38	21.32	PASS
Band4	10	20175	1	#Mid	16QAM	21.68	-0.38	21.30	PASS
Band4	10	20175	1	#Max	16QAM	21.56	-0.38	21.18	PASS
Band4	10	20175	25	#0	16QAM	20.85	-0.38	20.47	PASS
Band4	10	20175	25	#Mid	16QAM	20.87	-0.38	20.49	PASS
Band4	10	20175	25	#Max	16QAM	0.00	-0.38	-0.38	PASS
Band4	10	20175	50	#0	16QAM	0.00	-0.38	-0.38	PASS
Band4	10	20350	1	#0	QPSK	22.76	-0.38	22.38	PASS
Band4	10	20350	1	#Mid	QPSK	22.84	-0.38	22.46	PASS
Band4	10	20350	1	#Max	QPSK	22.85	-0.38	22.47	PASS
Band4	10	20350	25	#0	QPSK	21.61	-0.38	21.23	PASS
Band4	10	20350	25	#Mid	QPSK	21.65	-0.38	21.27	PASS
Band4	10	20350	25	#Max	QPSK	21.64	-0.38	21.26	PASS
Band4	10	20350	50	#0	QPSK	21.65	-0.38	21.27	PASS
Band4	10	20350	1	#0	16QAM	21.50	-0.38	21.12	PASS
Band4	10	20350	1	#Mid	16QAM	21.51	-0.38	21.13	PASS
Band4	10	20350	1	#Max	16QAM	21.51	-0.38	21.13	PASS
Band4	10	20350	25	#0	16QAM	20.69	-0.38	20.31	PASS

Band4	10	20350	25	#Mid	16QAM	20.73	-0.38	20.35	PASS
Band4	10	20350	25	#Max	16QAM	20.69	-0.38	20.31	PASS
Band4	10	20350	50	#0	16QAM	20.66	-0.38	20.28	PASS
Band4	15	20025	1	#0	QPSK	22.76	-0.38	22.38	PASS
Band4	15	20025	1	#Mid	QPSK	22.84	-0.38	22.46	PASS
Band4	15	20025	1	#Max	QPSK	22.78	-0.38	22.40	PASS
Band4	15	20025	36	#0	QPSK	21.81	-0.38	21.43	PASS
Band4	15	20025	36	#Mid	QPSK	21.93	-0.38	21.55	PASS
Band4	15	20025	36	#Max	QPSK	21.86	-0.38	21.48	PASS
Band4	15	20025	75	#0	QPSK	21.85	-0.38	21.47	PASS
Band4	15	20025	1	#0	16QAM	22.14	-0.38	21.76	PASS
Band4	15	20025	1	#Mid	16QAM	22.26	-0.38	21.88	PASS
Band4	15	20025	1	#Max	16QAM	22.19	-0.38	21.81	PASS
Band4	15	20025	36	#0	16QAM	20.85	-0.38	20.47	PASS
Band4	15	20025	36	#Mid	16QAM	21.00	-0.38	20.62	PASS
Band4	15	20025	36	#Max	16QAM	20.91	-0.38	20.53	PASS
Band4	15	20025	75	#0	16QAM	20.89	-0.38	20.51	PASS
Band4	15	20175	1	#0	QPSK	22.76	-0.38	22.38	PASS
Band4	15	20175	1	#Mid	QPSK	22.81	-0.38	22.43	PASS
Band4	15	20175	1	#Max	QPSK	22.63	-0.38	22.25	PASS
Band4	15	20175	36	#0	QPSK	21.85	-0.38	21.47	PASS
Band4	15	20175	36	#Mid	QPSK	21.79	-0.38	21.41	PASS
Band4	15	20175	36	#Max	QPSK	21.77	-0.38	21.39	PASS
Band4	15	20175	75	#0	QPSK	21.83	-0.38	21.45	PASS
Band4	15	20175	1	#0	16QAM	21.98	-0.38	21.60	PASS
Band4	15	20175	1	#Mid	16QAM	22.03	-0.38	21.65	PASS
Band4	15	20175	1	#Max	16QAM	21.80	-0.38	21.42	PASS
Band4	15	20175	36	#0	16QAM	20.92	-0.38	20.54	PASS
Band4	15	20175	36	#Mid	16QAM	20.95	-0.38	20.57	PASS
Band4	15	20175	36	#Max	16QAM	20.90	-0.38	20.52	PASS
Band4	15	20175	75	#0	16QAM	20.81	-0.38	20.43	PASS
Band4	15	20325	1	#0	QPSK	22.64	-0.38	22.26	PASS
Band4	15	20325	1	#Mid	QPSK	22.78	-0.38	22.40	PASS
Band4	15	20325	1	#Max	QPSK	22.74	-0.38	22.36	PASS
Band4	15	20325	36	#0	QPSK	21.63	-0.38	21.25	PASS
Band4	15	20325	36	#Mid	QPSK	21.71	-0.38	21.33	PASS
Band4	15	20325	36	#Max	QPSK	21.72	-0.38	21.34	PASS
Band4	15	20325	75	#0	QPSK	21.75	-0.38	21.37	PASS
Band4	15	20325	1	#0	16QAM	21.70	-0.38	21.32	PASS
Band4	15	20325	1	#Mid	16QAM	21.76	-0.38	21.38	PASS
Band4	15	20325	1	#Max	16QAM	21.73	-0.38	21.35	PASS
Band4	15	20325	36	#0	16QAM	20.62	-0.38	20.24	PASS
Band4	15	20325	36	#Mid	16QAM	20.73	-0.38	20.35	PASS

Band4	15	20325	36	#Max	16QAM	20.73	-0.38	20.35	PASS
Band4	15	20325	75	#0	16QAM	20.75	-0.38	20.37	PASS
Band4	20	20050	1	#0	QPSK	22.72	-0.38	22.34	PASS
Band4	20	20050	1	#Mid	QPSK	22.90	-0.38	22.52	PASS
Band4	20	20050	1	#Max	QPSK	22.67	-0.38	22.29	PASS
Band4	20	20050	50	#0	QPSK	21.73	-0.38	21.35	PASS
Band4	20	20050	50	#Mid	QPSK	21.88	-0.38	21.50	PASS
Band4	20	20050	50	#Max	QPSK	21.84	-0.38	21.46	PASS
Band4	20	20050	100	#0	QPSK	21.76	-0.38	21.38	PASS
Band4	20	20050	1	#0	16QAM	21.98	-0.38	21.60	PASS
Band4	20	20050	1	#Mid	16QAM	22.20	-0.38	21.82	PASS
Band4	20	20050	1	#Max	16QAM	22.07	-0.38	21.69	PASS
Band4	20	20050	50	#0	16QAM	20.90	-0.38	20.52	PASS
Band4	20	20050	50	#Mid	16QAM	20.99	-0.38	20.61	PASS
Band4	20	20050	50	#Max	16QAM	20.94	-0.38	20.56	PASS
Band4	20	20050	100	#0	16QAM	20.82	-0.38	20.44	PASS
Band4	20	20175	1	#0	QPSK	22.79	-0.38	22.41	PASS
Band4	20	20175	1	#Mid	QPSK	22.92	-0.38	22.54	PASS
Band4	20	20175	1	#Max	QPSK	22.68	-0.38	22.30	PASS
Band4	20	20175	50	#0	QPSK	21.82	-0.38	21.44	PASS
Band4	20	20175	50	#Mid	QPSK	21.84	-0.38	21.46	PASS
Band4	20	20175	50	#Max	QPSK	21.75	-0.38	21.37	PASS
Band4	20	20175	100	#0	QPSK	21.75	-0.38	21.37	PASS
Band4	20	20175	1	#0	16QAM	21.95	-0.38	21.57	PASS
Band4	20	20175	1	#Mid	16QAM	22.11	-0.38	21.73	PASS
Band4	20	20175	1	#Max	16QAM	21.81	-0.38	21.43	PASS
Band4	20	20175	50	#0	16QAM	20.84	-0.38	20.46	PASS
Band4	20	20175	50	#Mid	16QAM	20.91	-0.38	20.53	PASS
Band4	20	20175	50	#Max	16QAM	20.80	-0.38	20.42	PASS
Band4	20	20175	100	#0	16QAM	20.84	-0.38	20.46	PASS
Band4	20	20300	1	#0	QPSK	22.55	-0.38	22.17	PASS
Band4	20	20300	1	#Mid	QPSK	22.78	-0.38	22.40	PASS
Band4	20	20300	1	#Max	QPSK	22.63	-0.38	22.25	PASS
Band4	20	20300	50	#0	QPSK	21.65	-0.38	21.27	PASS
Band4	20	20300	50	#Mid	QPSK	21.71	-0.38	21.33	PASS
Band4	20	20300	50	#Max	QPSK	21.68	-0.38	21.30	PASS
Band4	20	20300	100	#0	QPSK	21.61	-0.38	21.23	PASS
Band4	20	20300	1	#0	16QAM	21.84	-0.38	21.46	PASS
Band4	20	20300	1	#Mid	16QAM	21.94	-0.38	21.56	PASS
Band4	20	20300	1	#Max	16QAM	21.81	-0.38	21.43	PASS
Band4	20	20300	50	#0	16QAM	20.75	-0.38	20.37	PASS
Band4	20	20300	50	#Mid	16QAM	20.80	-0.38	20.42	PASS
Band4	20	20300	50	#Max	16QAM	20.81	-0.38	20.43	PASS



Band4	20	20300	100	#0	16QAM	20.69	-0.38	20.31	PASS
-------	----	-------	-----	----	-------	-------	-------	-------	------



**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	-15.69	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-28.58	-0.017	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-36.56	-0.021	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-36.69	-0.021	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-29.58	-0.017	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-17.68	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	2.42	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-2.07	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-1.95	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-12.53	-0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-20.24	-0.012	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-10.11	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	13.90	0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	6.12	0.003	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	2.22	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	1.44	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	2.20	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	2.75	0.002	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	1.00	0.001	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-14.73	-0.009	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-14.89	-0.009	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-14.76	-0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-11.16	-0.007	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-8.00	-0.005	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-2.46	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-5.32	-0.003	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-6.28	-0.004	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-8.64	-0.005	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-6.32	-0.004	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-1.37	-0.001	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	5.39	0.003	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	4.62	0.003	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-3.12	-0.002	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-3.38	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-4.73	-0.003	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	0.62	0.000	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-2.13	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	-20.60	-0.012	PASS

Band4	5	19975	25	#0	QPSK	HV	NT	-15.09	-0.009	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-6.22	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-0.90	-0.001	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-5.61	-0.003	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	6.85	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	2.50	0.001	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	0.21	0.000	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-2.75	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	1.59	0.001	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-0.17	0.000	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	9.23	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	2.13	0.001	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	4.51	0.003	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-2.92	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	5.95	0.003	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	8.96	0.005	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-5.61	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-5.09	-0.003	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-1.07	-0.001	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-1.09	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-0.43	0.000	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-1.42	-0.001	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	0.04	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-4.46	-0.003	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-4.55	-0.003	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	-2.46	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	-0.27	0.000	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	-2.23	-0.001	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-3.39	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-3.89	-0.002	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-1.89	-0.001	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	-2.59	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	-0.76	0.000	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	-0.82	0.000	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-11.87	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-4.79	-0.003	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-3.08	-0.002	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-3.38	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-2.33	-0.001	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-0.06	0.000	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	0.49	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-2.32	-0.001	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-0.41	0.000	PASS

Band4	15	20175	75	#0	16QAM	LV	NT	-0.13	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	-0.64	0.000	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	-1.29	-0.001	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-1.32	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-4.79	-0.003	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-2.80	-0.002	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	-4.33	-0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	-2.20	-0.001	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	-5.09	-0.003	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-7.98	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-5.62	-0.003	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-7.30	-0.004	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-1.53	-0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	0.66	0.000	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-2.00	-0.001	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-2.36	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-3.26	-0.002	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-1.73	-0.001	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	0.89	0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	0.73	0.000	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	-3.16	-0.002	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	0.86	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-1.47	-0.001	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	1.79	0.001	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	-1.13	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	-0.76	0.000	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	0.94	0.001	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	-14.83	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-37.82	-0.022	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-38.74	-0.023	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-37.58	-0.022	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-29.18	-0.017	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-22.42	-0.013	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-18.53	-0.011	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-12.95	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-8.37	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-5.81	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	-1.70	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-4.05	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-0.86	-0.001	PASS

Band4	1.4	19957	6	#0	16QAM	NV	10	-1.62	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	3.62	0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-5.39	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-5.82	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	3.66	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	4.18	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	3.82	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-0.47	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	11.96	0.007	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	7.64	0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	5.84	0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-1.46	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-4.94	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-3.49	-0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	0.37	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	0.50	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	4.49	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	2.50	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	1.56	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	1.47	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	5.56	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	4.11	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-6.42	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	12.67	0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-3.68	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-7.95	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-4.01	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-6.95	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-2.76	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-5.28	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-2.42	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-7.65	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-0.23	0.000	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-1.97	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	4.95	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	5.39	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-0.26	0.000	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-6.71	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	5.55	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	5.08	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-5.68	-0.003	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-36.55	-0.021	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-41.01	-0.024	PASS

Band4	3	19965	15	#0	QPSK	NV	-10	-37.59	-0.022	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-26.26	-0.015	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-17.95	-0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-14.62	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-14.26	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-4.71	-0.003	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-2.43	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-2.27	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	1.14	0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	1.89	0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	0	14.75	0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	10	2.93	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	20	3.19	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	30	4.08	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	40	3.15	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-0.79	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	2.36	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	5.41	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-8.21	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-9.20	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	10	-2.57	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	20	1.42	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-5.81	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-1.17	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-6.19	-0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	4.23	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	1.99	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	-2.95	-0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-1.99	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	10	0.56	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	20	5.45	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	30	-0.41	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	40	-0.39	0.000	PASS
Band4	3	20175	15	#0	16QAM	NV	50	4.11	0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-0.40	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-6.61	-0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-2.26	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	0	1.40	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	10	2.22	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	20	1.39	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-3.23	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-3.50	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	50	-1.67	-0.001	PASS

Band4	3	20385	15	#0	16QAM	NV	-30	-5.02	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	1.56	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	4.22	0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	0	1.57	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-1.37	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-2.06	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	30	-7.25	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-7.85	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-1.50	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-10.01	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-6.41	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-3.60	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-0.03	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-0.63	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-4.61	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	30	2.78	0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-5.94	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-1.82	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-1.79	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	0.19	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	1.23	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	0	-3.30	-0.002	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-0.13	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-2.03	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-2.02	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	40	-0.87	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-4.41	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-0.53	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-9.17	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	-4.89	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	0	0.19	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	10	2.78	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	20	4.98	0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	30	1.99	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-0.64	0.000	PASS
Band4	5	20175	25	#0	QPSK	NV	50	-0.64	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-2.99	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-1.22	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	1.92	0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-6.11	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	10	-2.85	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	20	-0.34	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-0.83	0.000	PASS

Band4	5	20175	25	#0	16QAM	NV	40	-6.82	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	50	-6.67	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	1.14	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-0.31	0.000	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	0.03	0.000	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-5.97	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-5.91	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	20	3.40	0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-1.09	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-1.57	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	50	-3.38	-0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	1.69	0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-1.10	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	-6.72	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-5.22	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-1.33	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-5.15	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-6.78	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-2.27	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-5.25	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-6.31	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-5.45	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-2.33	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-0.11	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-3.88	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-2.00	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-1.02	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-5.75	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-2.76	-0.002	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	-1.40	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	-2.05	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	-0.44	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	0	-5.42	-0.003	PASS
Band4	10	20000	50	#0	16QAM	NV	10	-0.86	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	20	-0.54	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	30	-4.86	-0.003	PASS
Band4	10	20000	50	#0	16QAM	NV	40	-1.66	-0.001	PASS
Band4	10	20000	50	#0	16QAM	NV	50	-2.52	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-6.47	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-3.88	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-3.32	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-3.12	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-4.08	-0.002	PASS

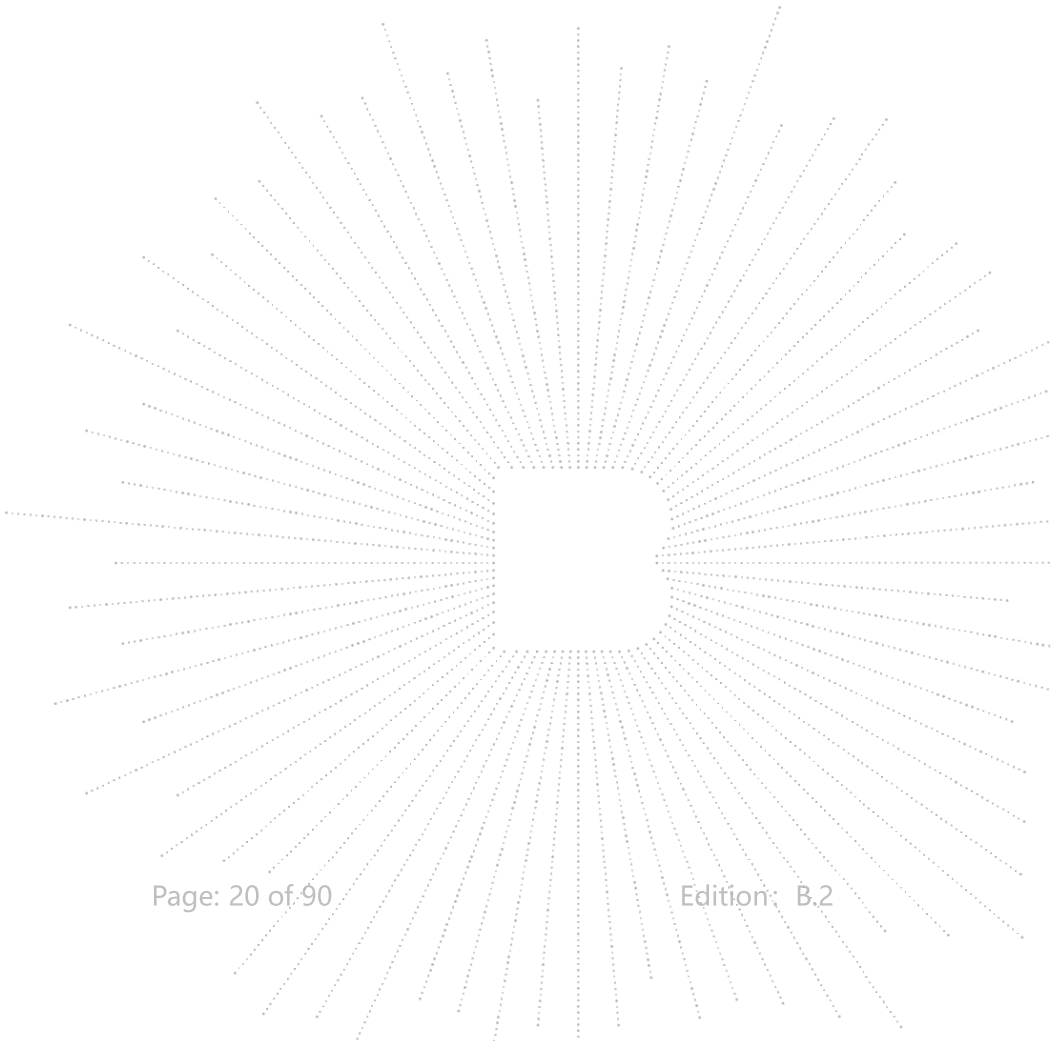


Band4	10	20175	50	#0	QPSK	NV	20	-0.82	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-3.30	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-0.24	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-1.54	-0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	-30	-3.62	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	-20	-5.99	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	-10	-0.31	0.000	PASS
Band4	10	20175	50	#0	16QAM	NV	0	0.87	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	10	-2.93	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	20	2.32	0.001	PASS
Band4	10	20175	50	#0	16QAM	NV	30	-4.92	-0.003	PASS
Band4	10	20175	50	#0	16QAM	NV	40	-4.31	-0.002	PASS
Band4	10	20175	50	#0	16QAM	NV	50	0.60	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-0.41	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-4.66	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	0.01	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-2.99	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-3.30	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	20	0.19	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-1.27	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-2.85	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-1.09	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	-0.14	0.000	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	-4.43	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	-5.52	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	0	1.83	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	10	-1.99	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	20	1.06	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	30	-1.70	-0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	40	-5.46	-0.003	PASS
Band4	10	20350	50	#0	16QAM	NV	50	-0.84	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-8.03	-0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-5.29	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-1.52	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-1.57	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-1.42	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	20	0.10	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-0.54	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-0.76	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-2.35	-0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	0.27	0.000	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	-2.35	-0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	0.80	0.000	PASS

Band4	15	20025	75	#0	16QAM	NV	0	0.92	0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	10	-1.75	-0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	20	-3.19	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	30	-2.83	-0.002	PASS
Band4	15	20025	75	#0	16QAM	NV	40	1.40	0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	50	-3.10	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-4.05	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-3.69	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	-3.99	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-2.79	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-1.24	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-0.29	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-3.66	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	40	-2.85	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-4.39	-0.003	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	-1.02	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	-0.36	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	-3.26	-0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	0	-2.06	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	10	-2.47	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	20	-0.56	0.000	PASS
Band4	15	20175	75	#0	16QAM	NV	30	1.37	0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	40	-2.47	-0.001	PASS
Band4	15	20175	75	#0	16QAM	NV	50	0.33	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	2.63	0.002	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-0.37	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	0.73	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-3.49	-0.002	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-2.13	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	20	2.06	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-0.49	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-0.11	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	50	2.29	0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	1.69	0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-0.29	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	1.23	0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	0	-1.33	-0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	10	0.19	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	20	-2.96	-0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	30	1.14	0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	40	-0.72	0.000	PASS
Band4	15	20325	75	#0	16QAM	NV	50	0.27	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-5.21	-0.003	PASS

Band4	20	20050	100	#0	QPSK	NV	-20	-4.32	-0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-1.06	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	0	3.38	0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-1.52	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-1.20	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-0.06	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	40	2.73	0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	50	2.76	0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	2.99	0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	3.12	0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	1.66	0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	0	0.77	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	10	-0.67	0.000	PASS
Band4	20	20050	100	#0	16QAM	NV	20	3.62	0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	30	-0.92	-0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	40	3.42	0.002	PASS
Band4	20	20050	100	#0	16QAM	NV	50	2.46	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	2.00	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-2.50	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-3.09	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-2.29	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-0.17	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-1.47	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-2.03	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-2.80	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-1.99	-0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	-3.83	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	-2.33	-0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	-3.88	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	0	-3.02	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	10	-3.69	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	20	-2.90	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	30	-1.13	-0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	40	-0.16	0.000	PASS
Band4	20	20175	100	#0	16QAM	NV	50	-2.35	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	0.27	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-0.80	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	0.36	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-0.92	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-0.62	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	20	0.20	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-0.90	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	40	1.75	0.001	PASS

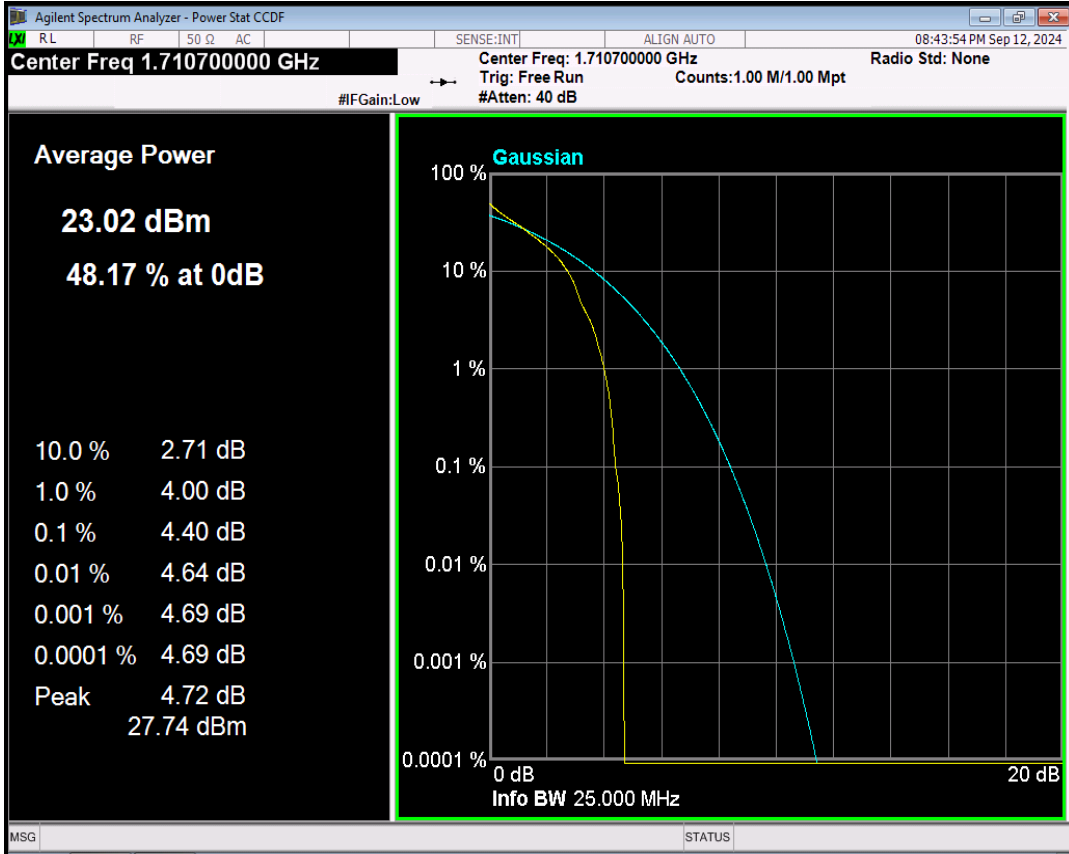
Band4	20	20300	100	#0	QPSK	NV	50	-1.70	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	1.24	0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	1.20	0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-0.37	0.000	PASS
Band4	20	20300	100	#0	16QAM	NV	0	-1.00	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	10	0.79	0.000	PASS
Band4	20	20300	100	#0	16QAM	NV	20	-0.47	0.000	PASS
Band4	20	20300	100	#0	16QAM	NV	30	-1.09	-0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	40	-0.49	0.000	PASS
Band4	20	20300	100	#0	16QAM	NV	50	-0.60	0.000	PASS



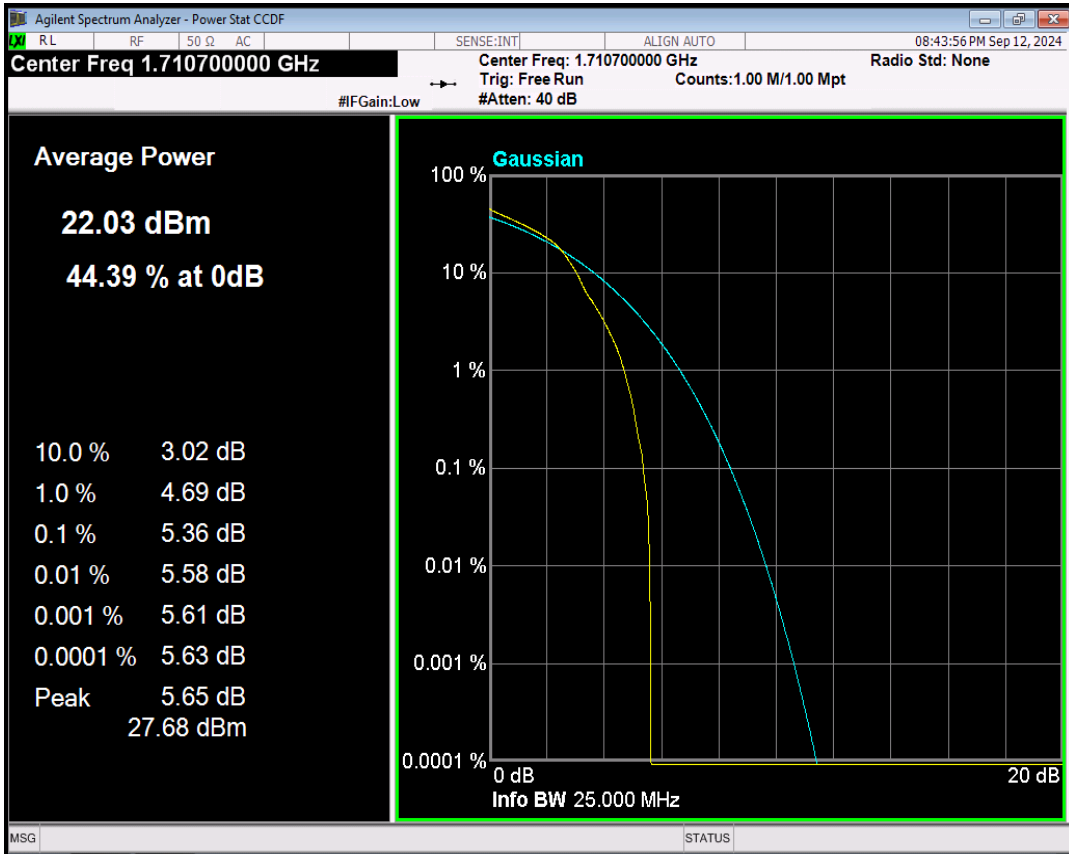
### Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.40	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.36	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.26	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.92	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.89	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.87	13	PASS
Band4	3	19965	1	#0	QPSK	4.46	13	PASS
Band4	3	19965	1	#0	16QAM	5.30	13	PASS
Band4	3	20175	1	#0	QPSK	5.25	13	PASS
Band4	3	20175	1	#0	16QAM	6.42	13	PASS
Band4	3	20385	1	#0	QPSK	4.09	13	PASS
Band4	3	20385	1	#0	16QAM	4.95	13	PASS
Band4	5	19975	1	#0	QPSK	4.41	13	PASS
Band4	5	19975	1	#0	16QAM	5.17	13	PASS
Band4	5	20175	1	#0	QPSK	5.36	13	PASS
Band4	5	20175	1	#0	16QAM	5.80	13	PASS
Band4	5	20375	1	#0	QPSK	4.28	13	PASS
Band4	5	20375	1	#0	16QAM	4.98	13	PASS
Band4	10	20000	1	#0	QPSK	4.19	13	PASS
Band4	10	20000	1	#0	16QAM	5.10	13	PASS
Band4	10	20175	1	#0	QPSK	8.42	13	PASS
Band4	10	20175	1	#0	16QAM	8.44	13	PASS
Band4	10	20350	1	#0	QPSK	8.44	13	PASS
Band4	10	20350	1	#0	16QAM	8.40	13	PASS
Band4	15	20025	1	#0	QPSK	4.32	13	PASS
Band4	15	20025	1	#0	16QAM	5.18	13	PASS
Band4	15	20175	1	#0	QPSK	4.95	13	PASS
Band4	15	20175	1	#0	16QAM	5.78	13	PASS
Band4	15	20325	1	#0	QPSK	4.15	13	PASS
Band4	15	20325	1	#0	16QAM	4.96	13	PASS
Band4	20	20050	1	#0	QPSK	4.44	13	PASS
Band4	20	20050	1	#0	16QAM	5.37	13	PASS
Band4	20	20175	1	#0	QPSK	4.50	13	PASS
Band4	20	20175	1	#0	16QAM	5.11	13	PASS
Band4	20	20300	1	#0	QPSK	4.89	13	PASS
Band4	20	20300	1	#0	16QAM	5.67	13	PASS

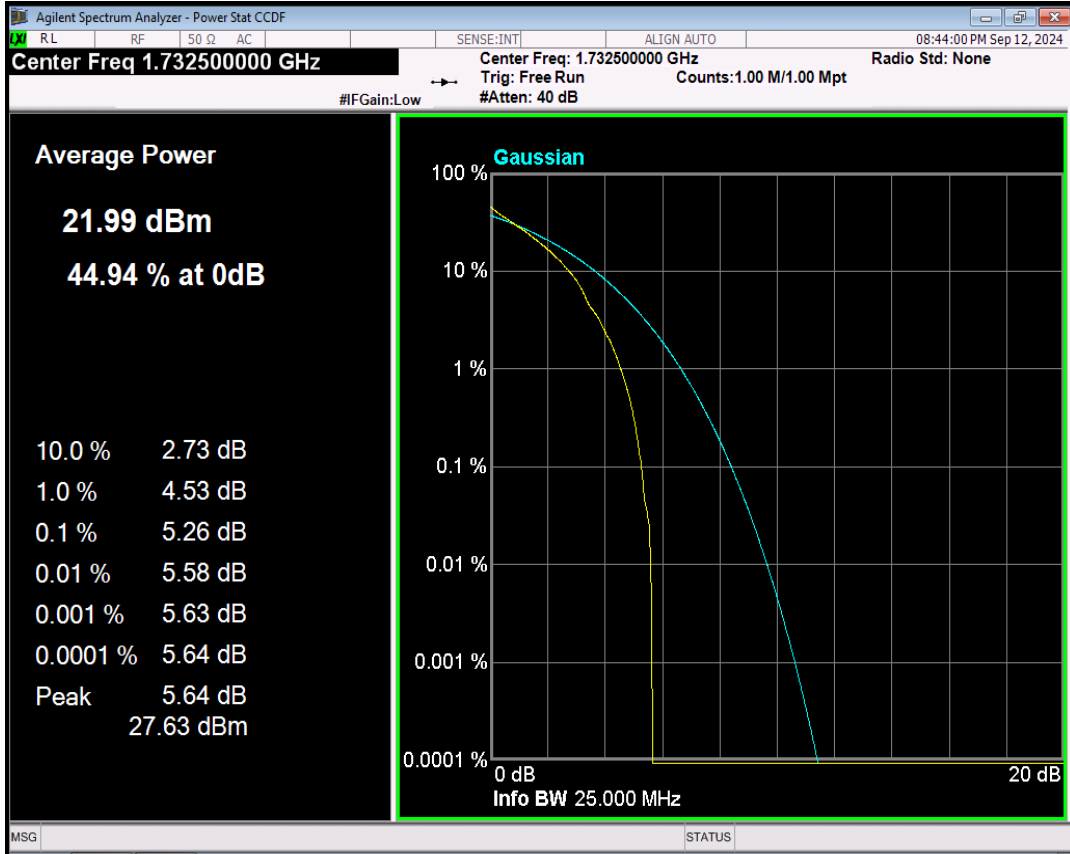
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



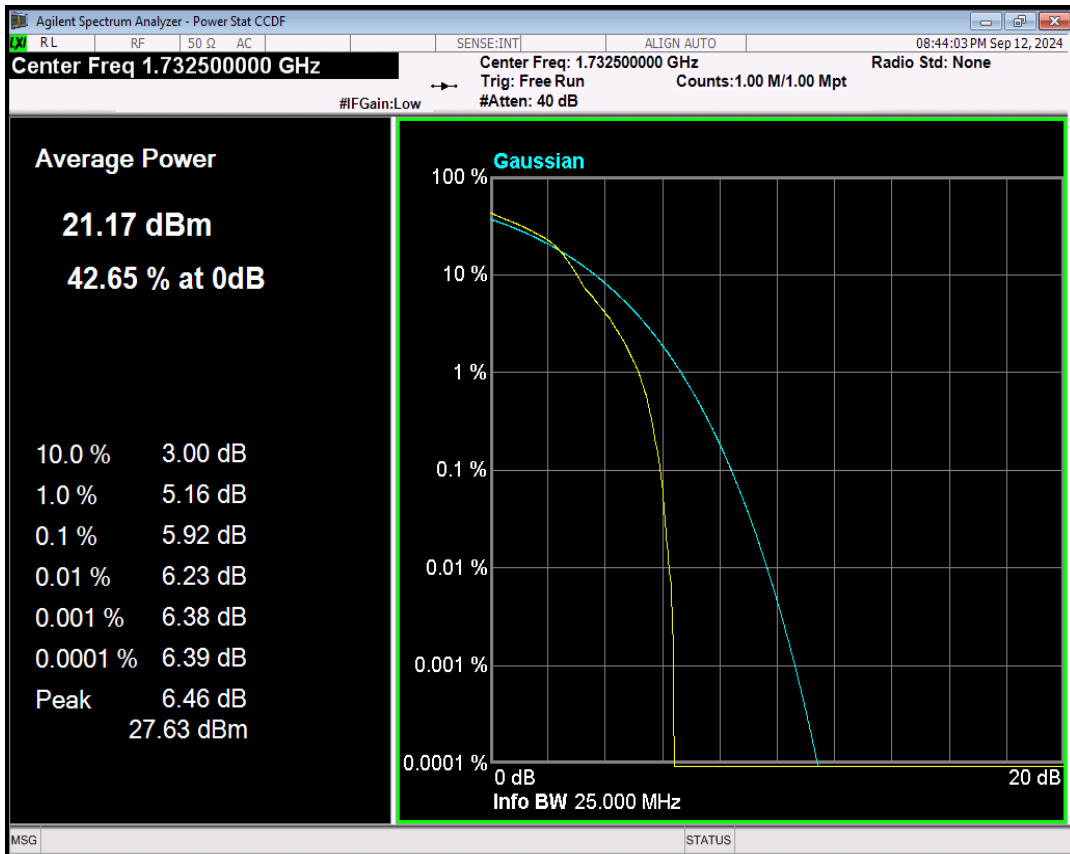
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



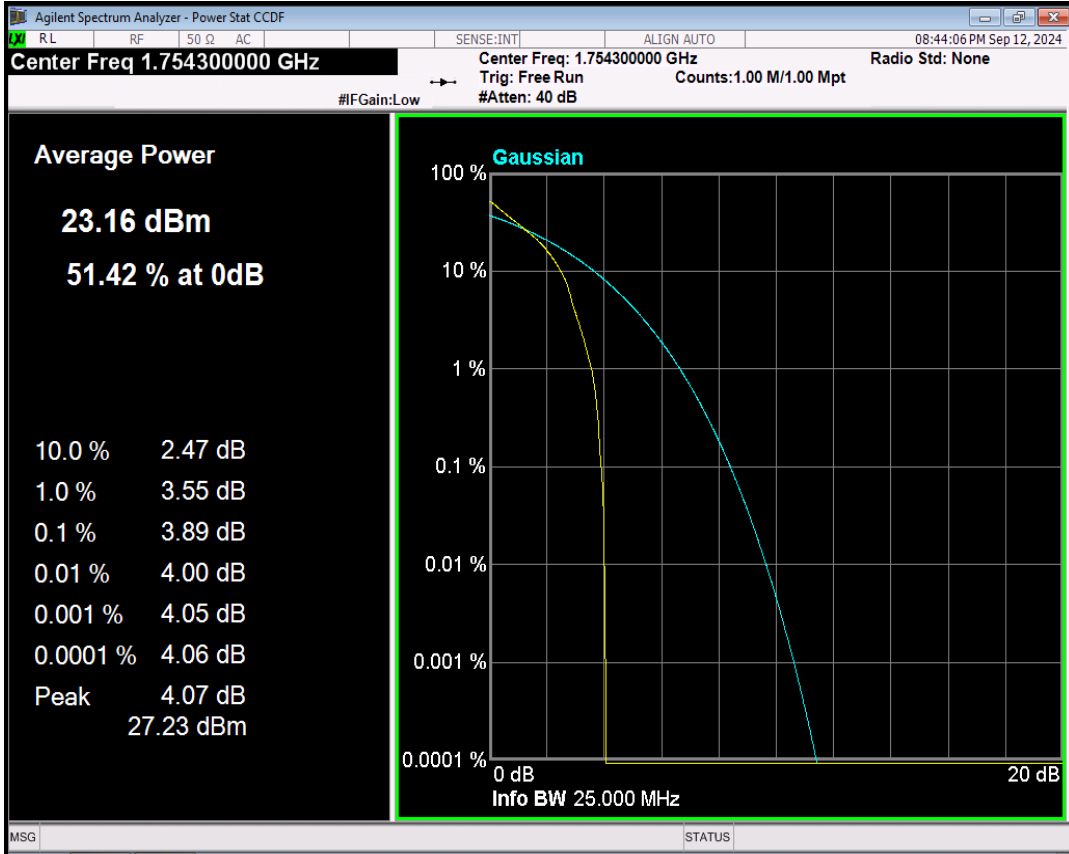
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



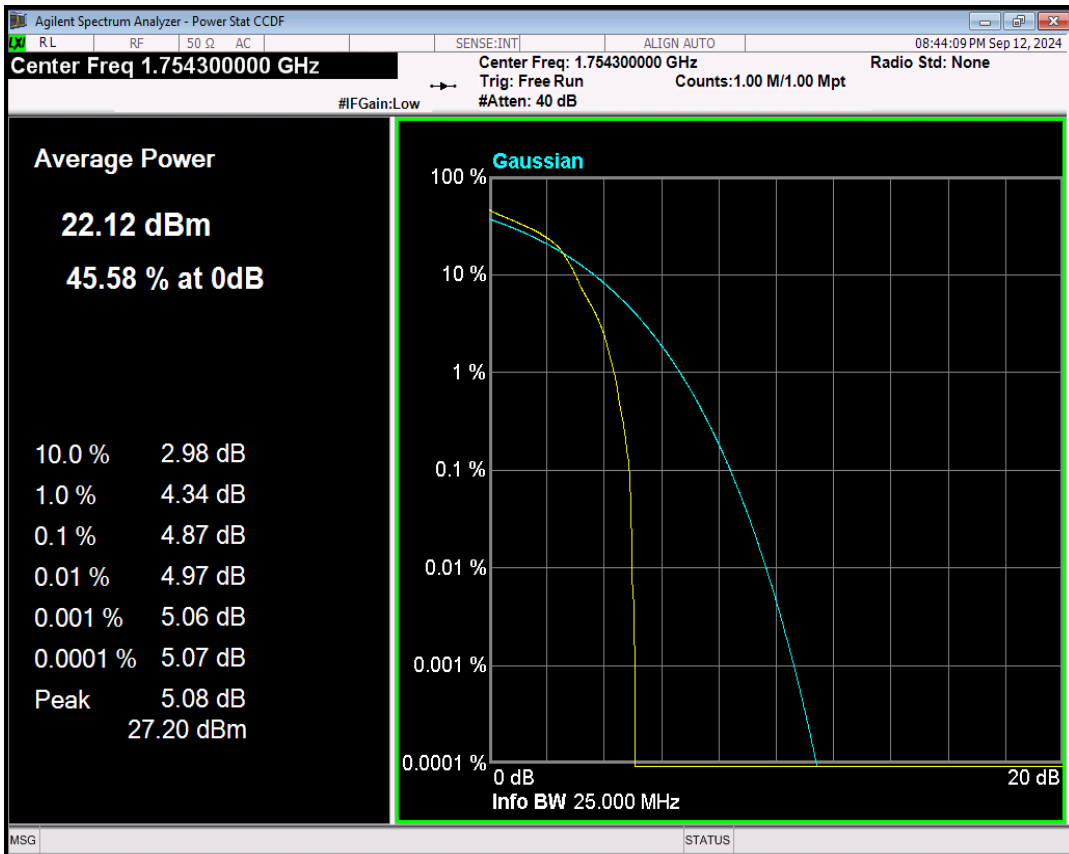
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



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

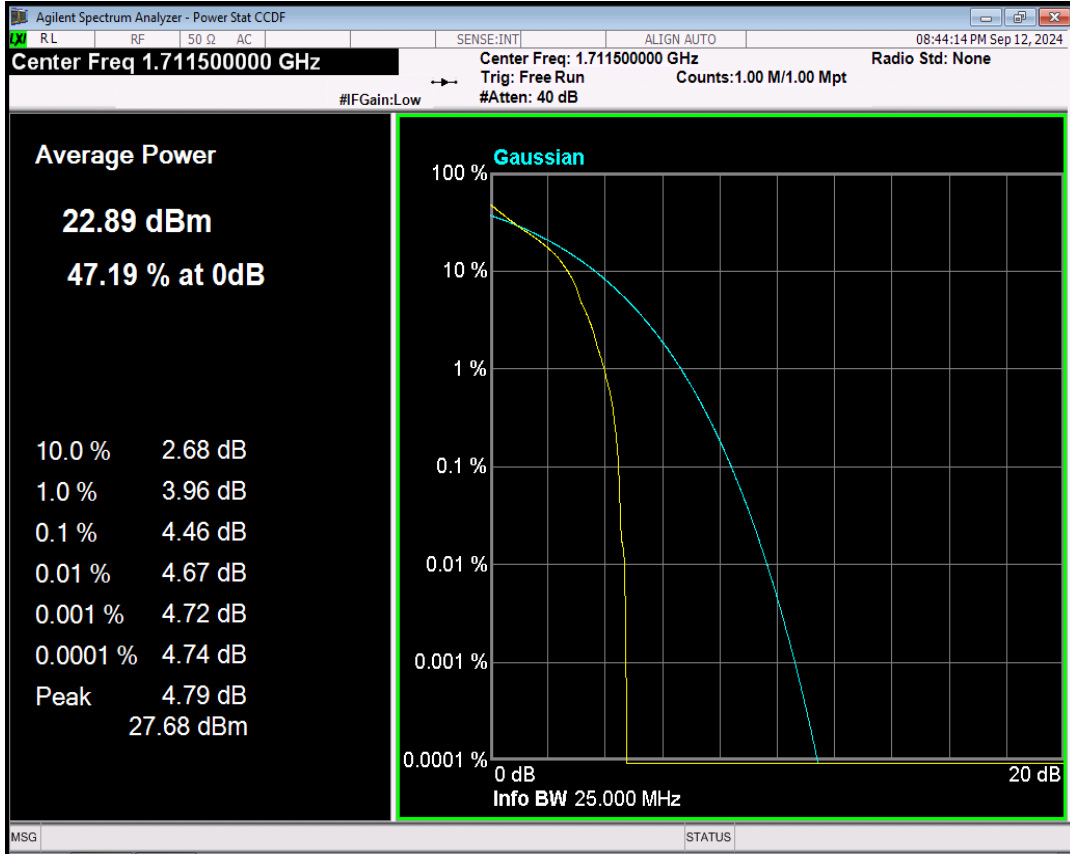


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

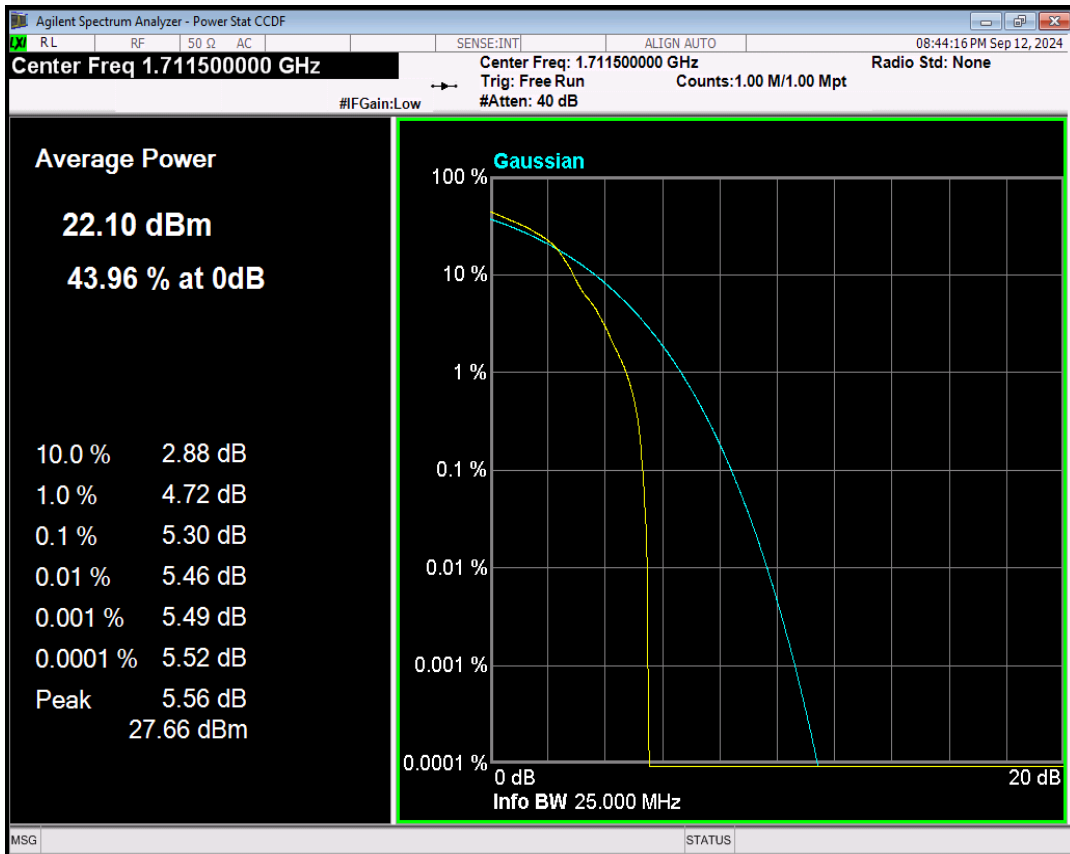


Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

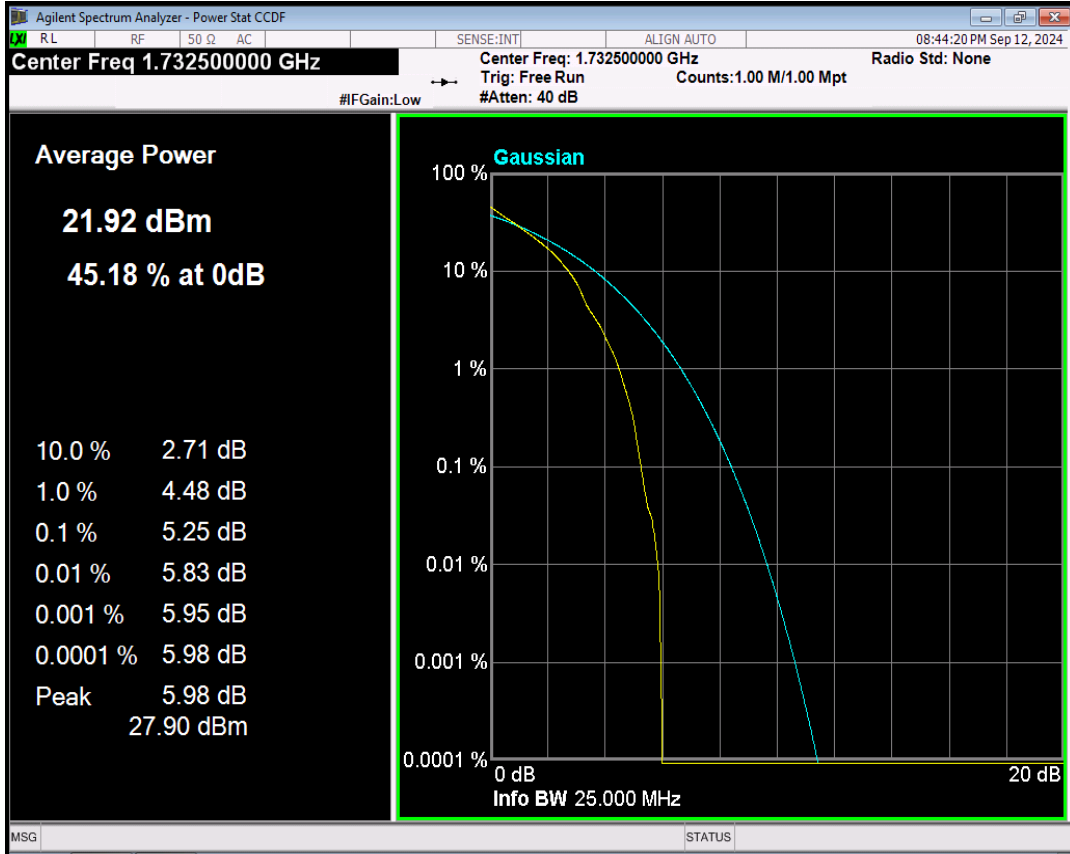




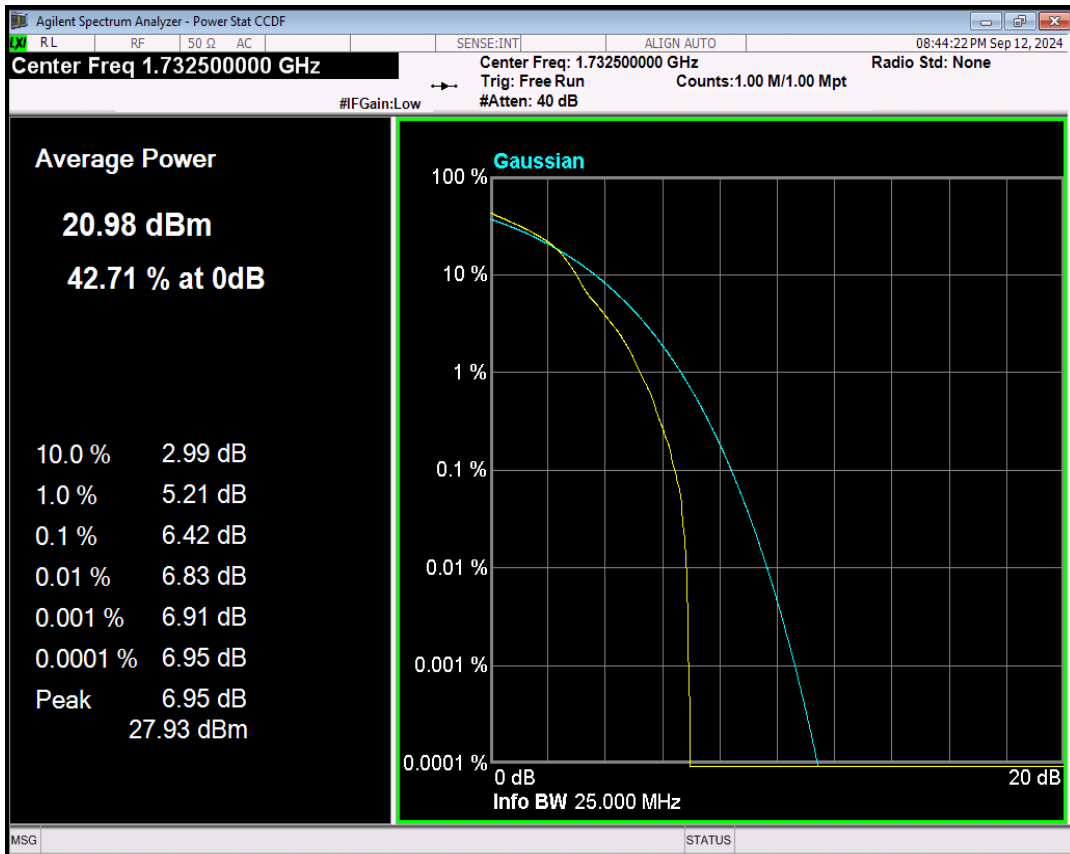
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



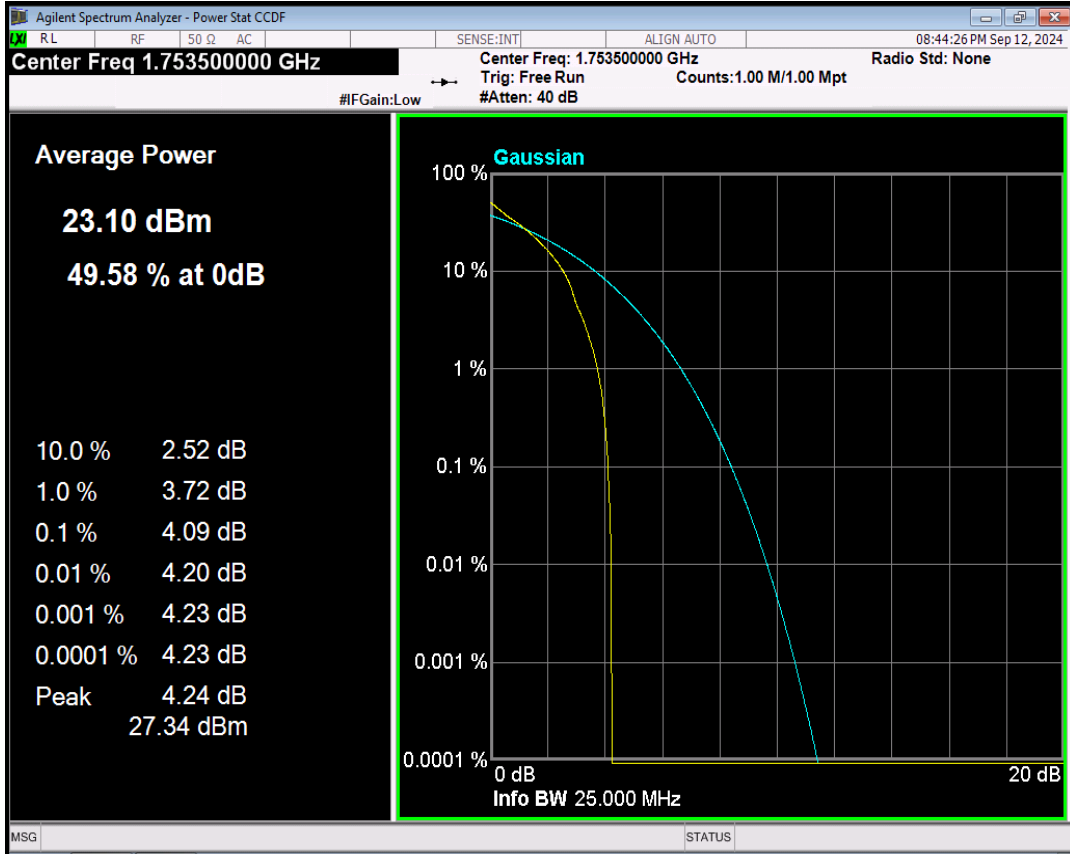
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



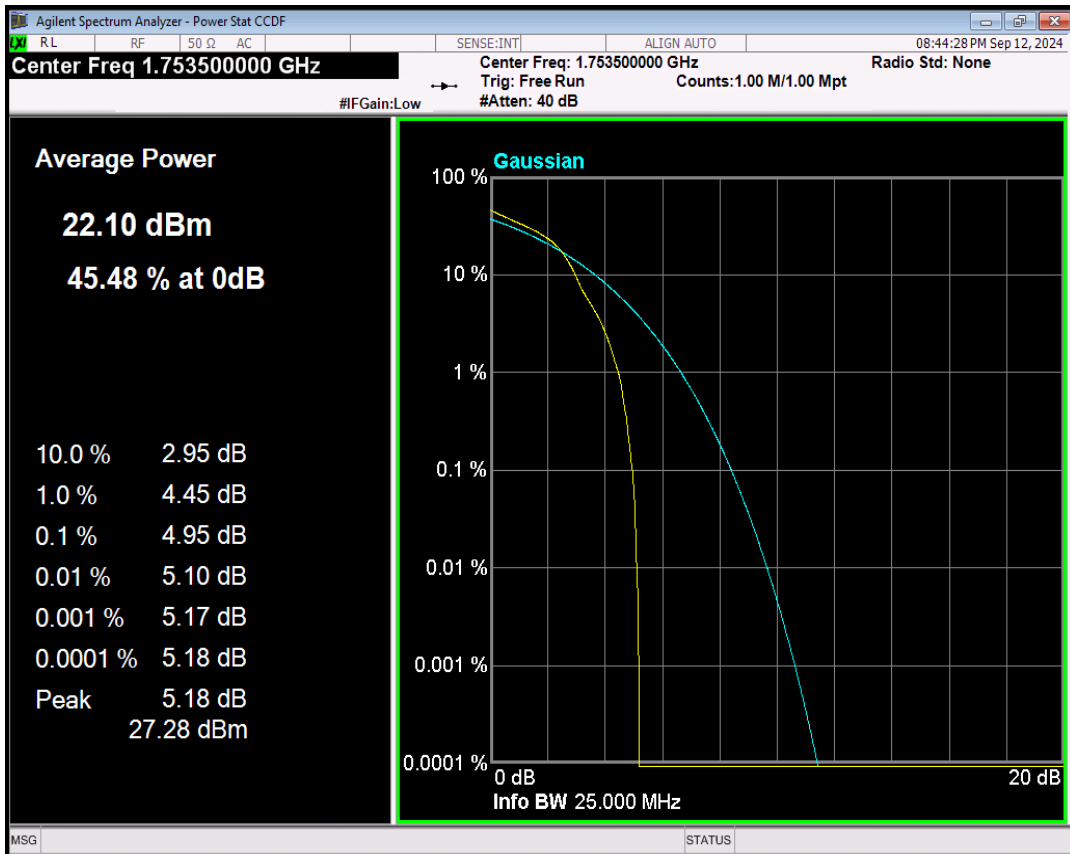
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



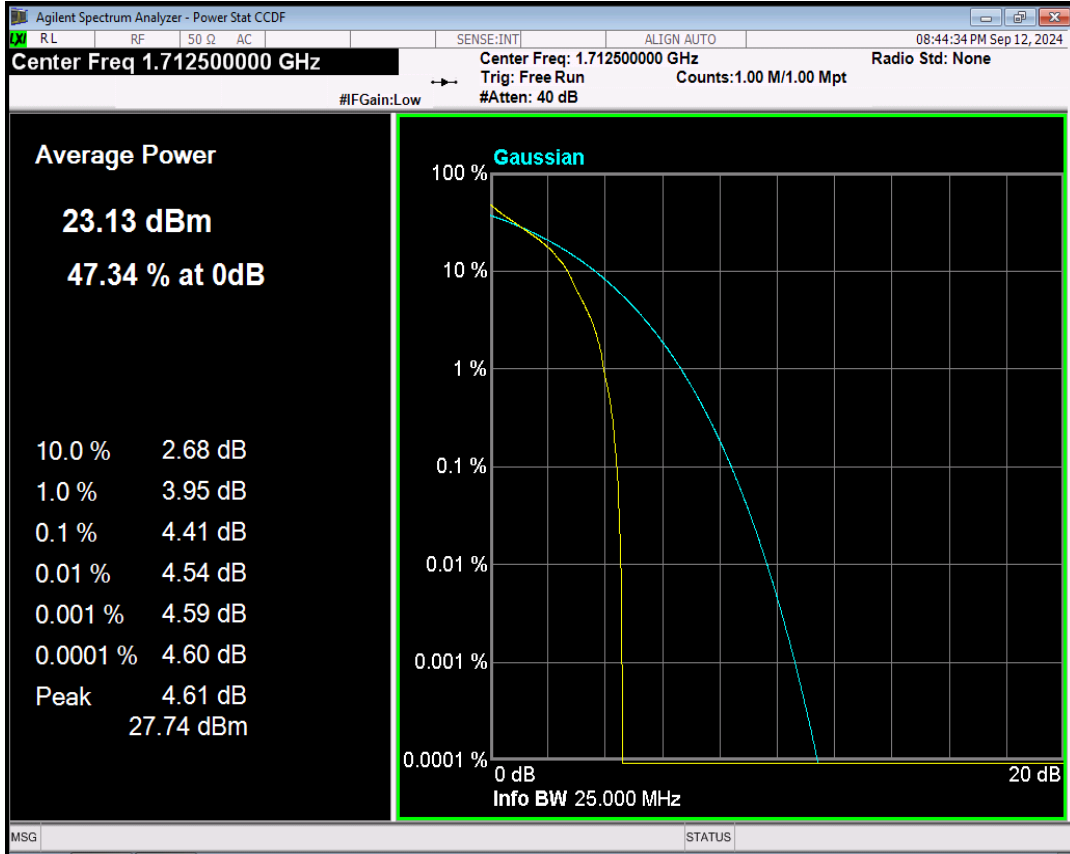
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



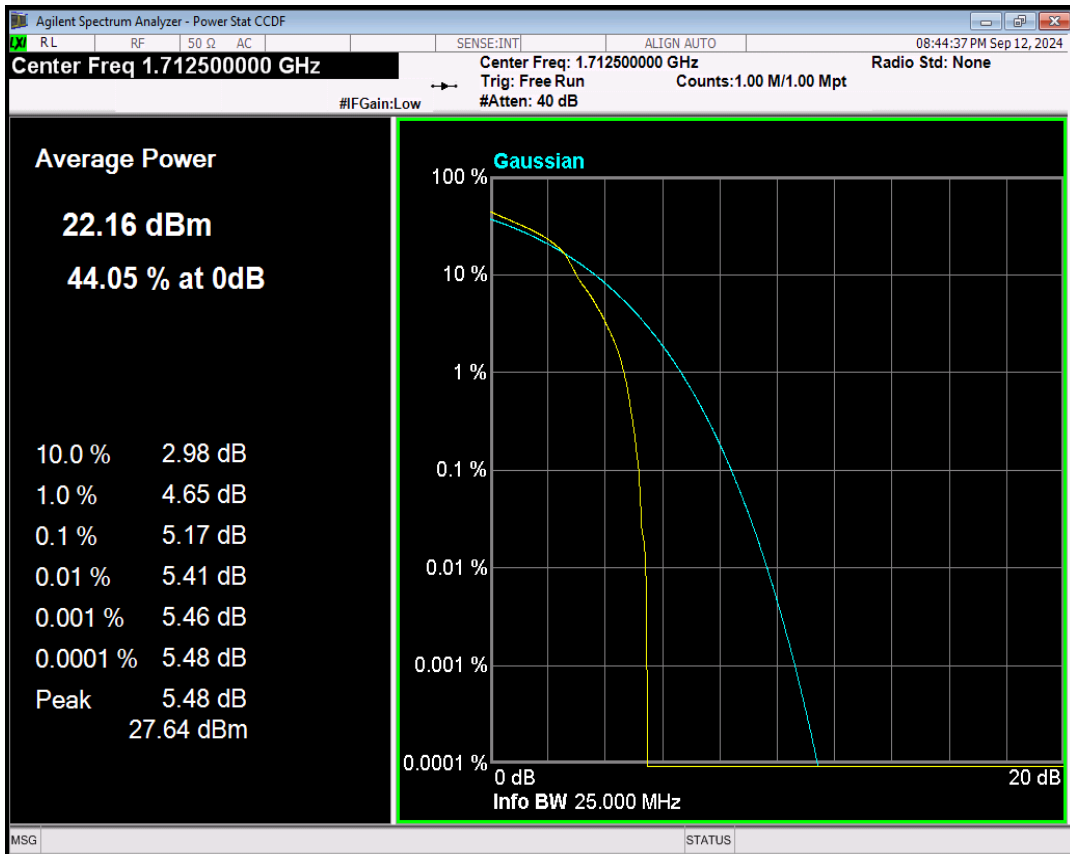
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



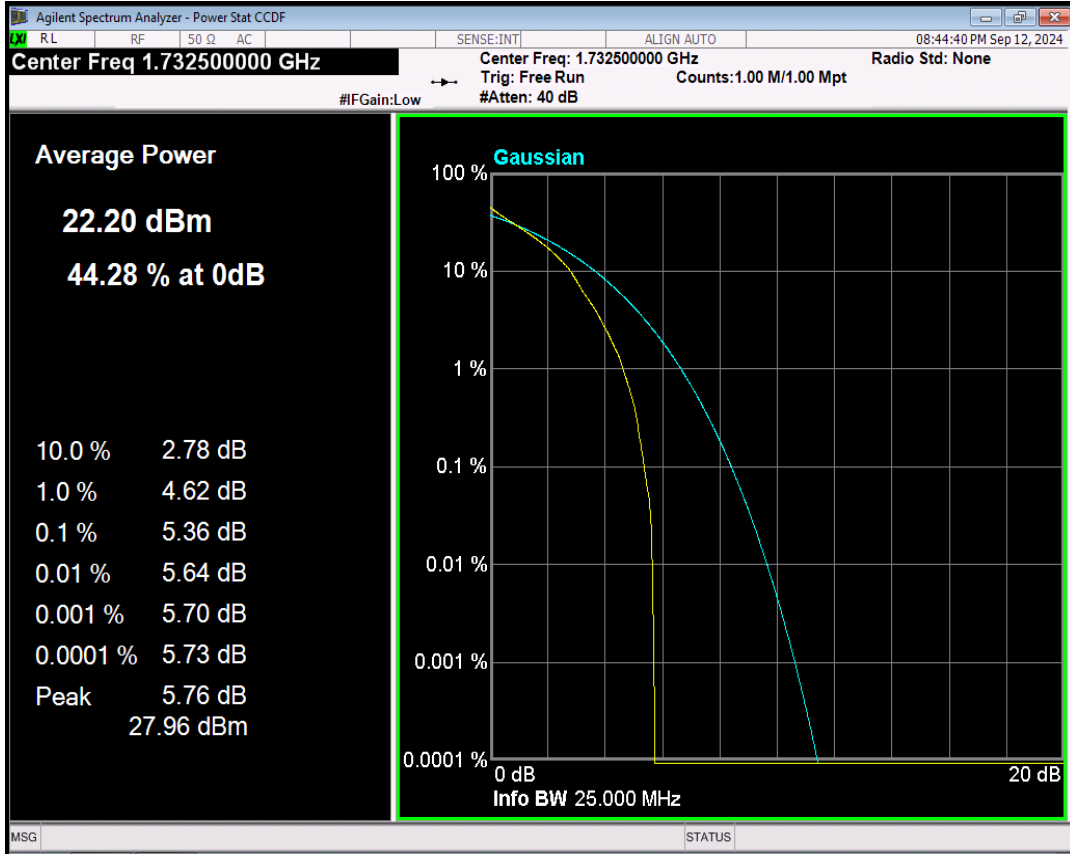
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



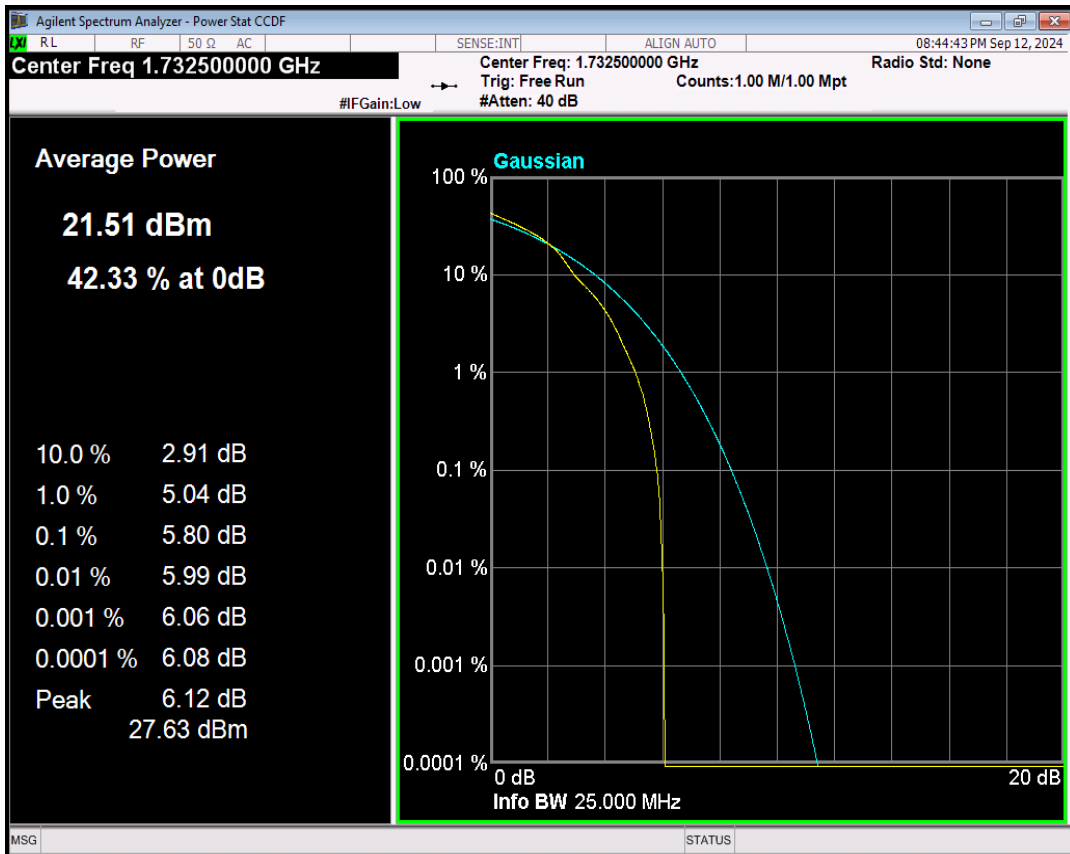
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



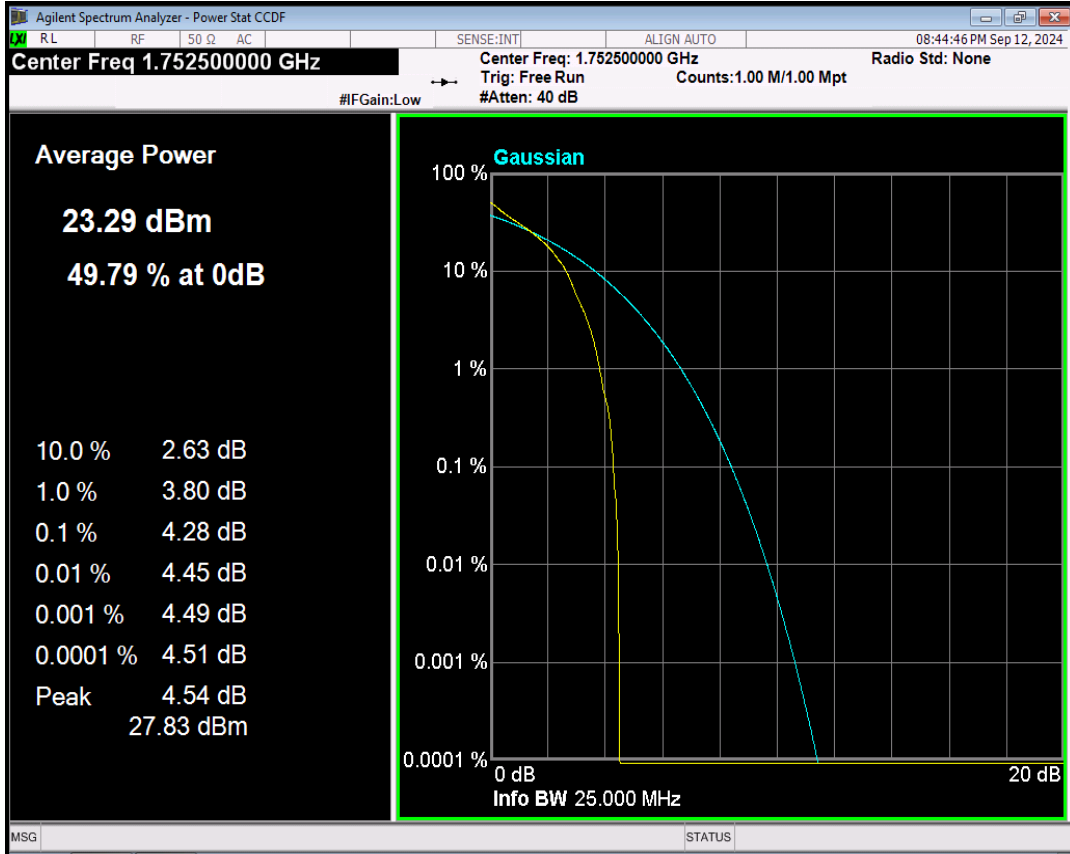
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



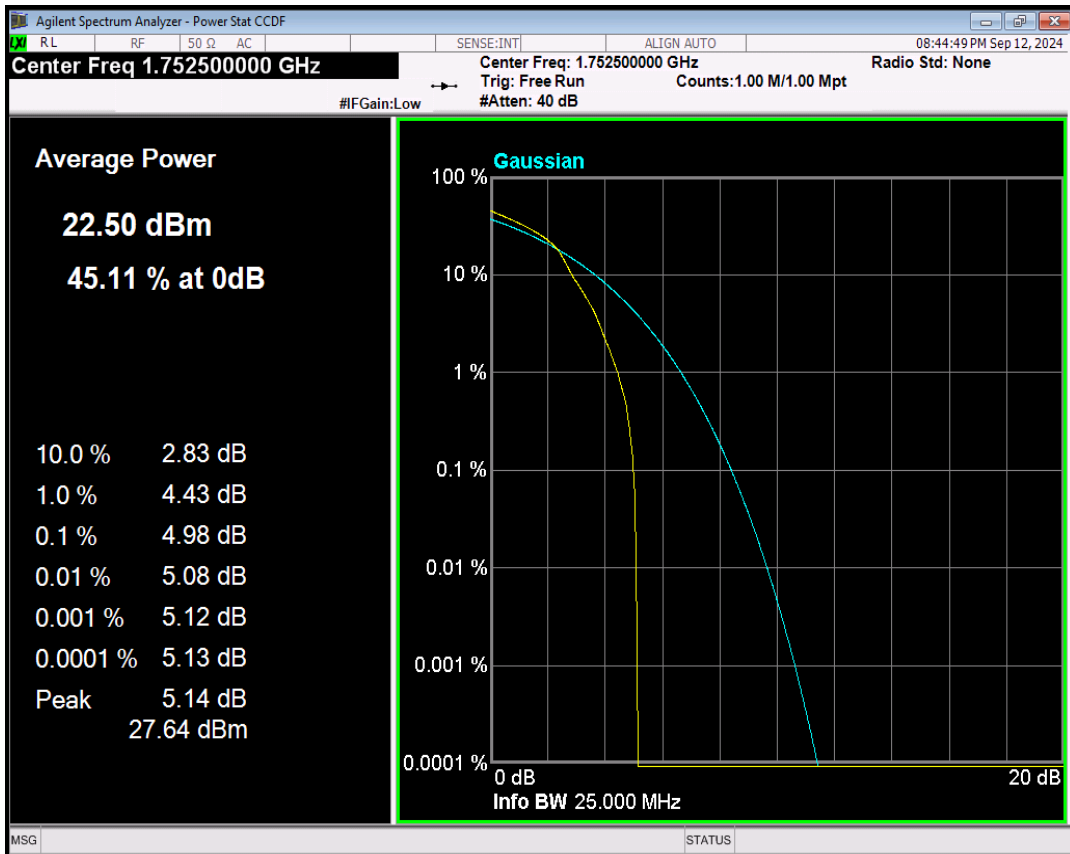
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



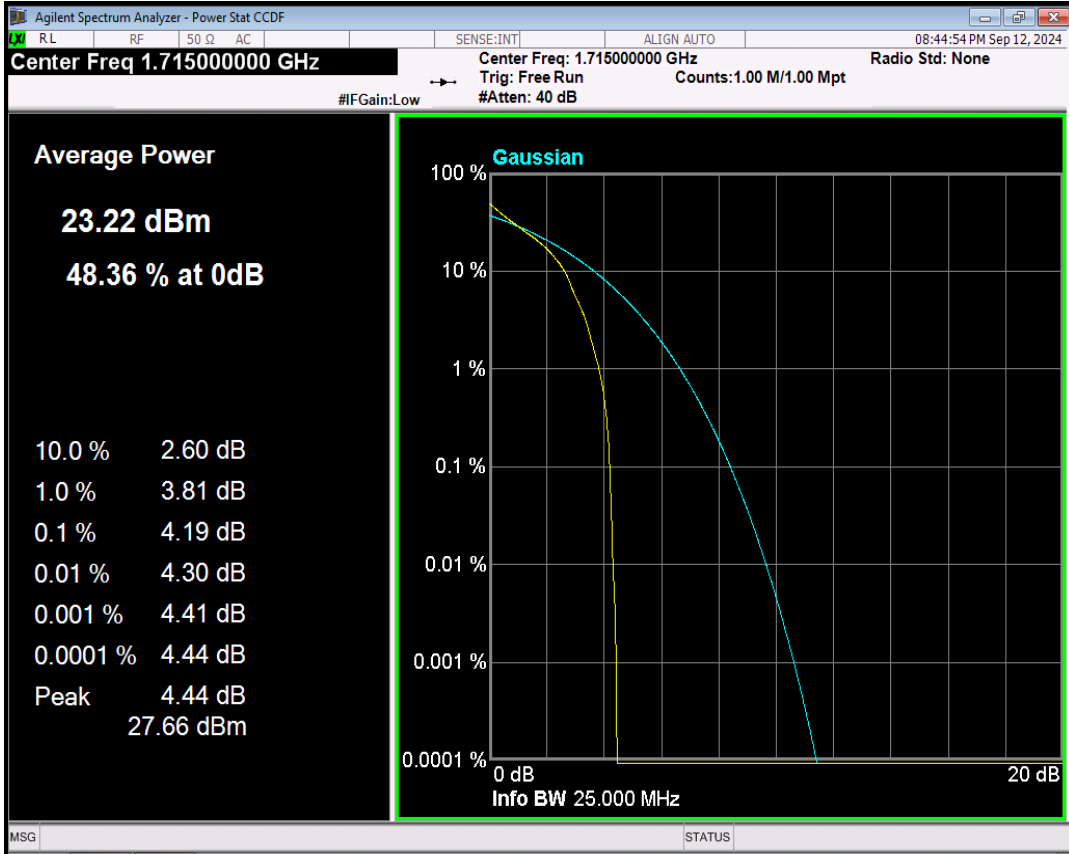
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



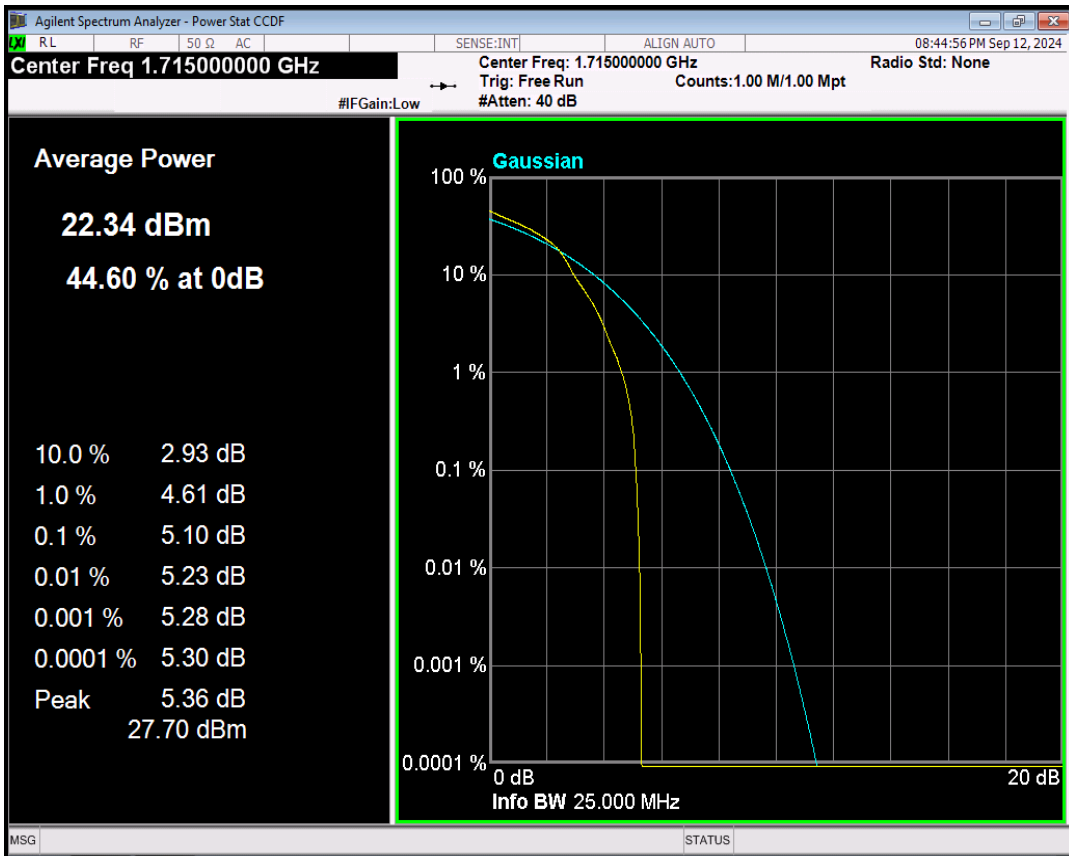
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



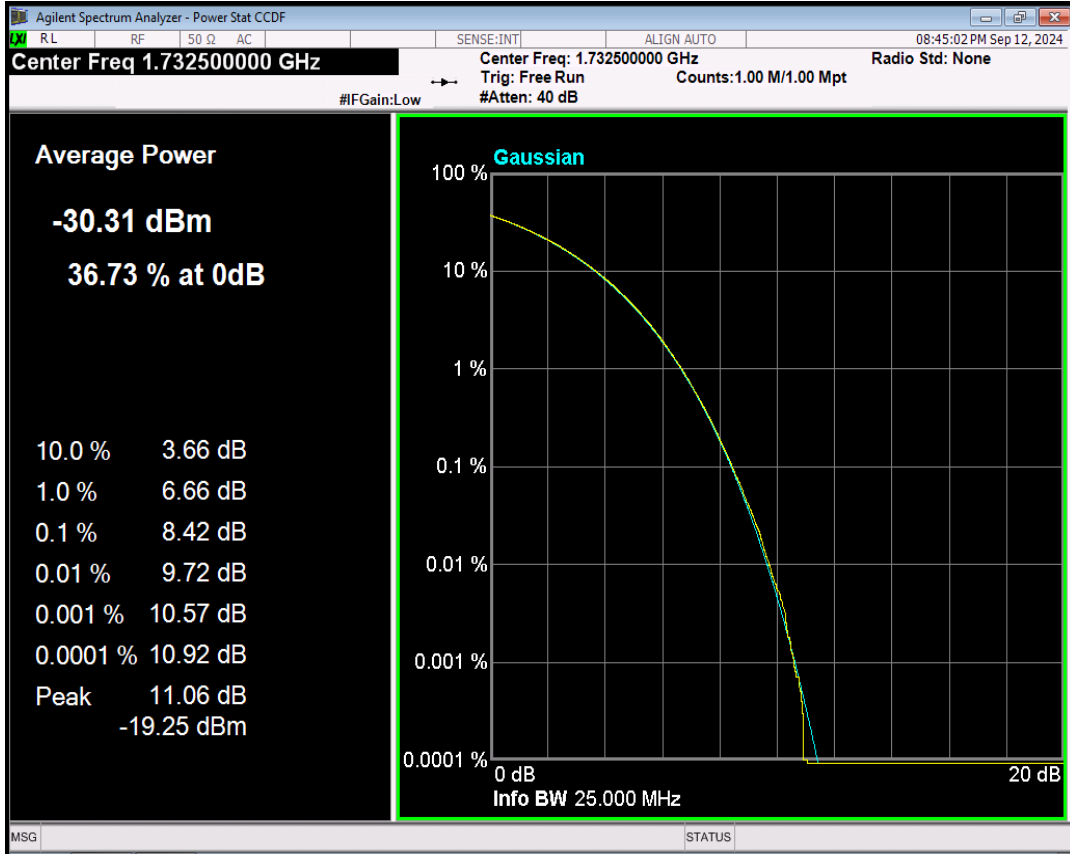
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



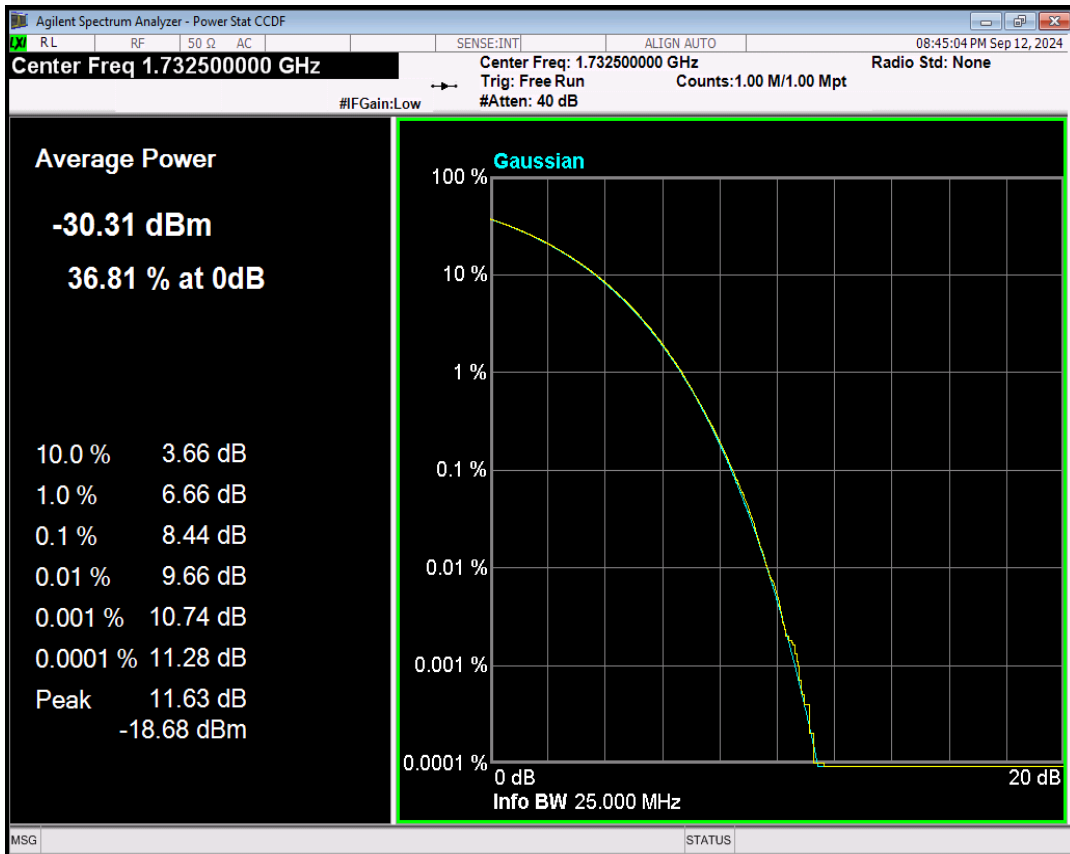
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



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

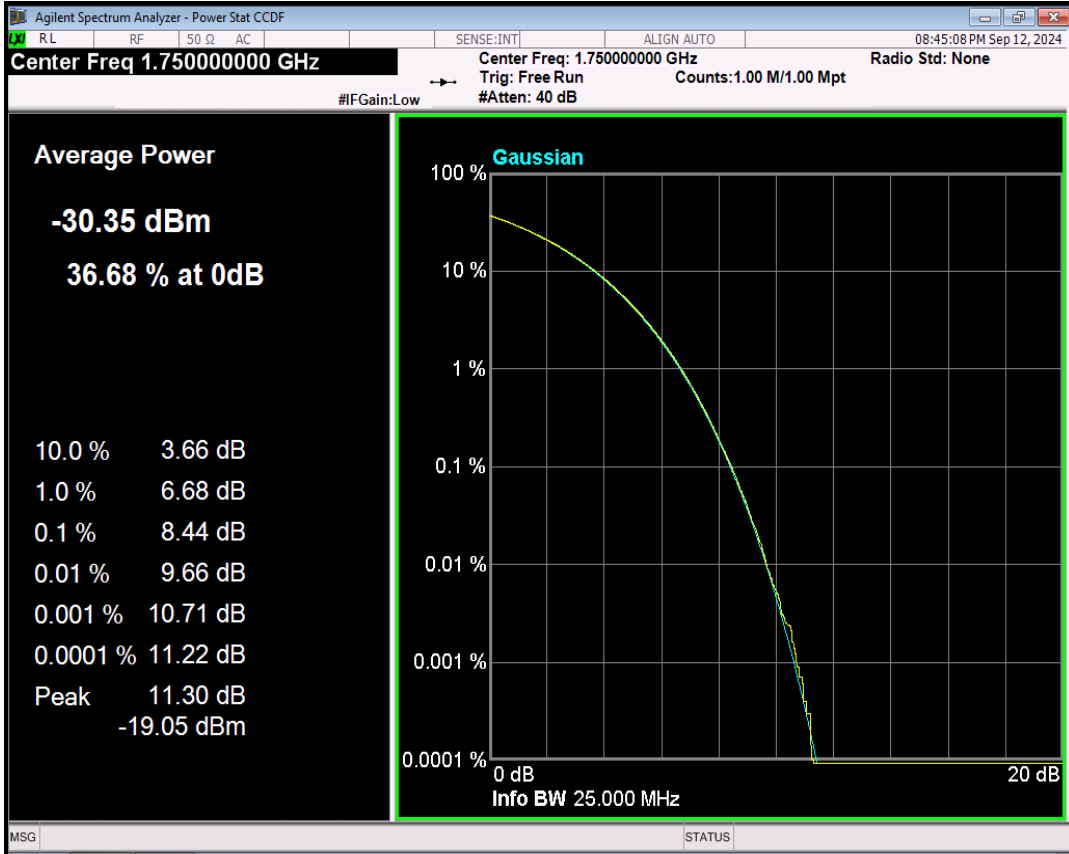


Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0

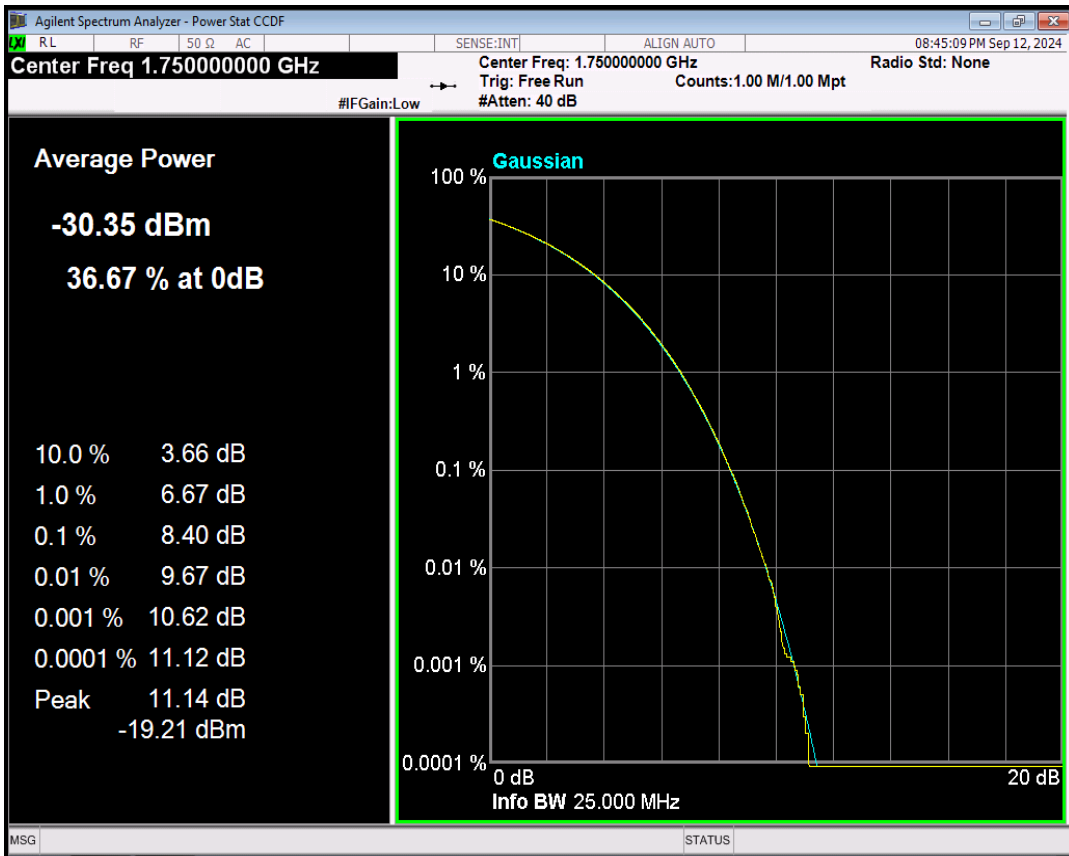


Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

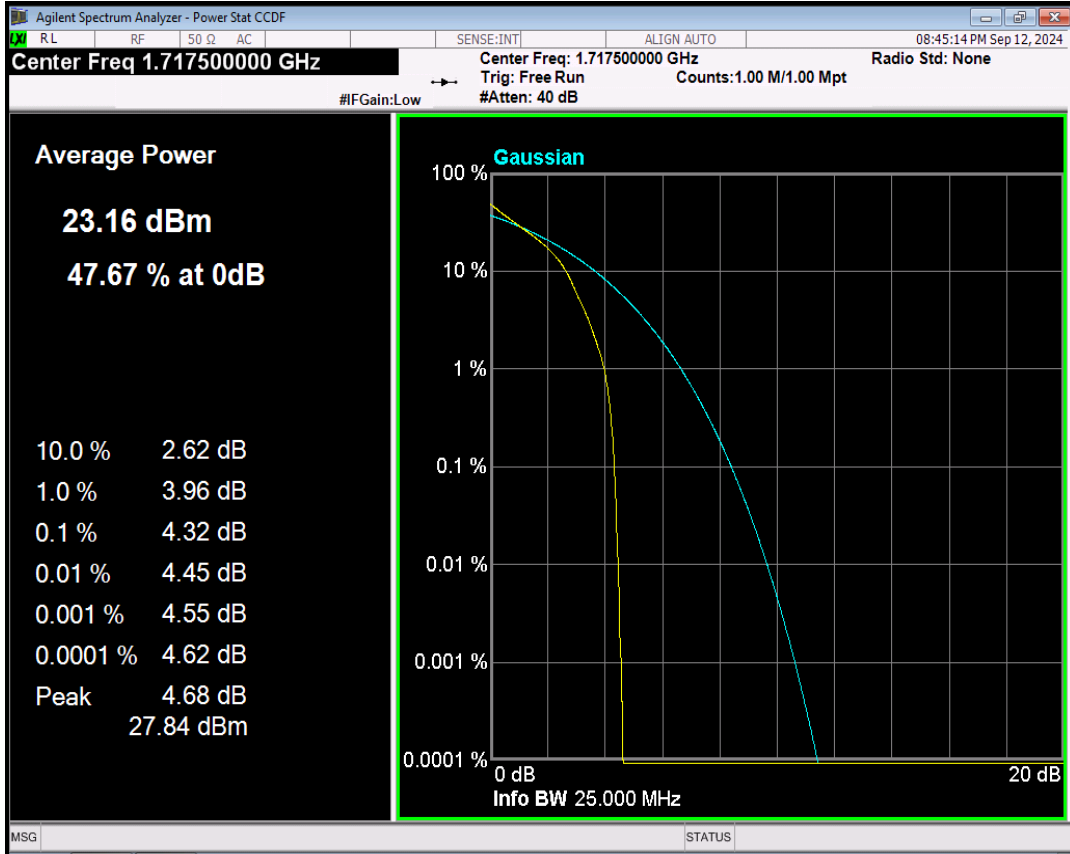




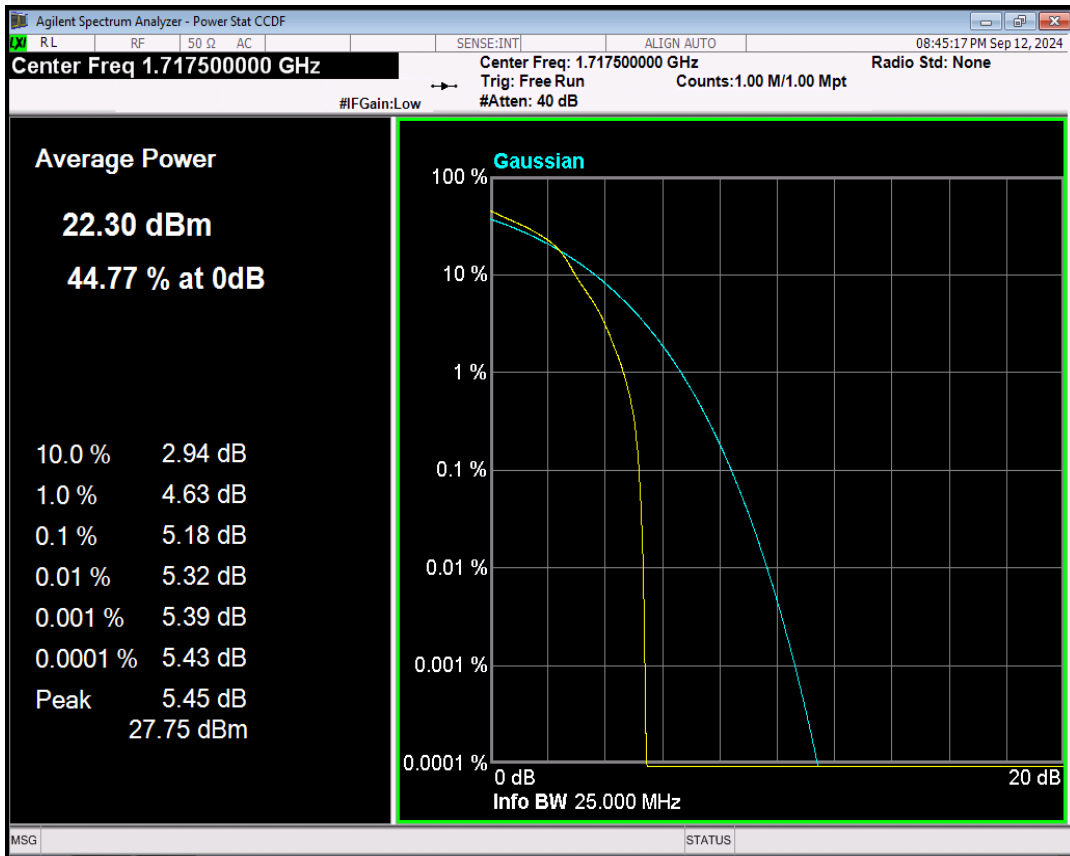
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



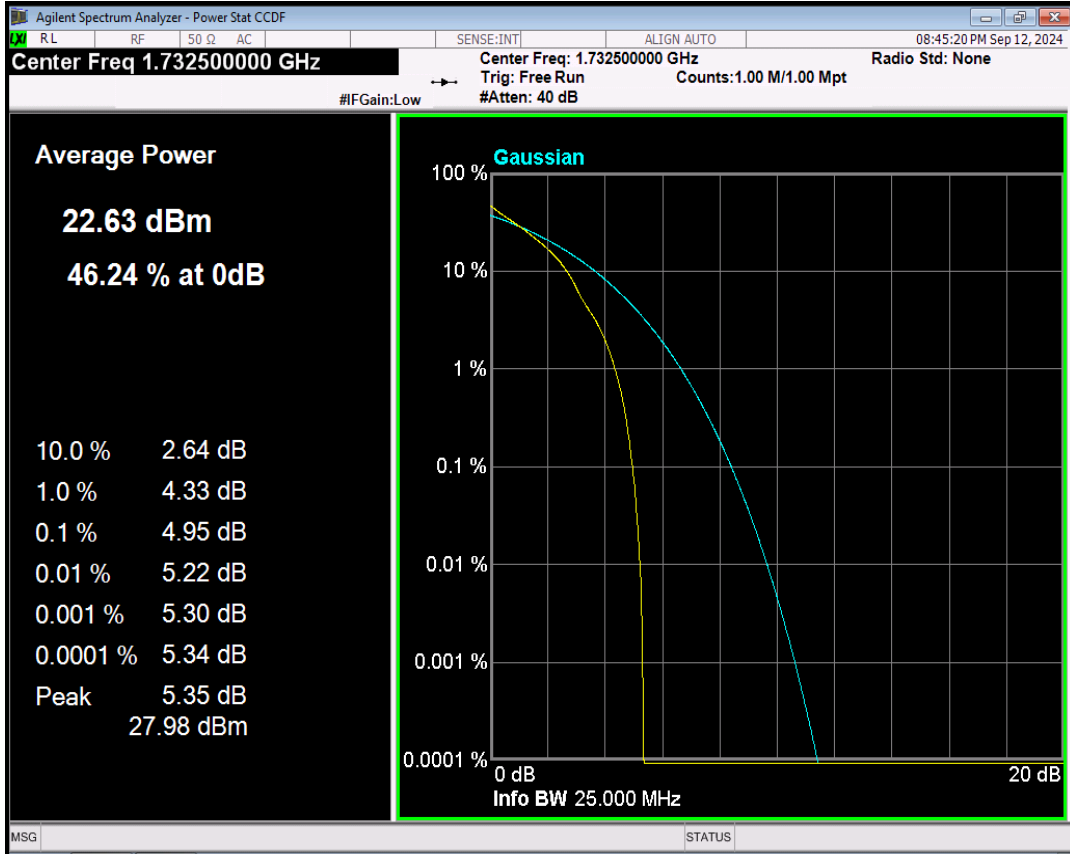
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



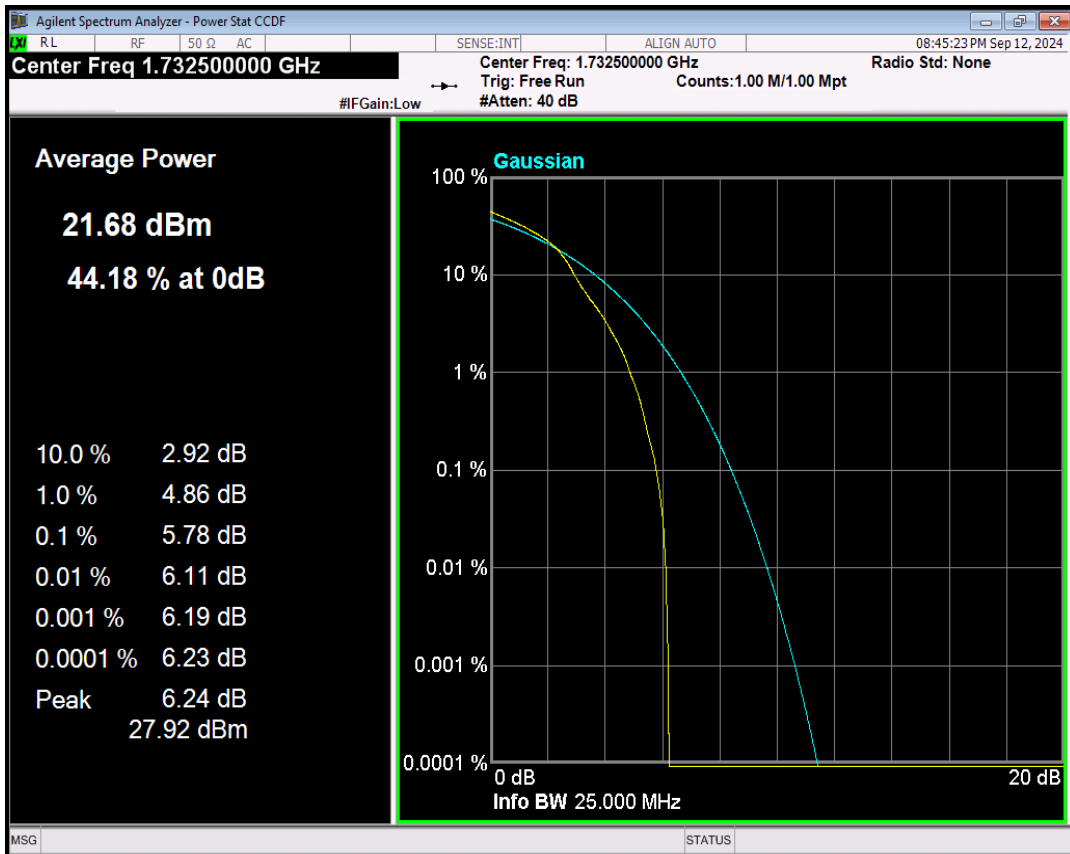
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



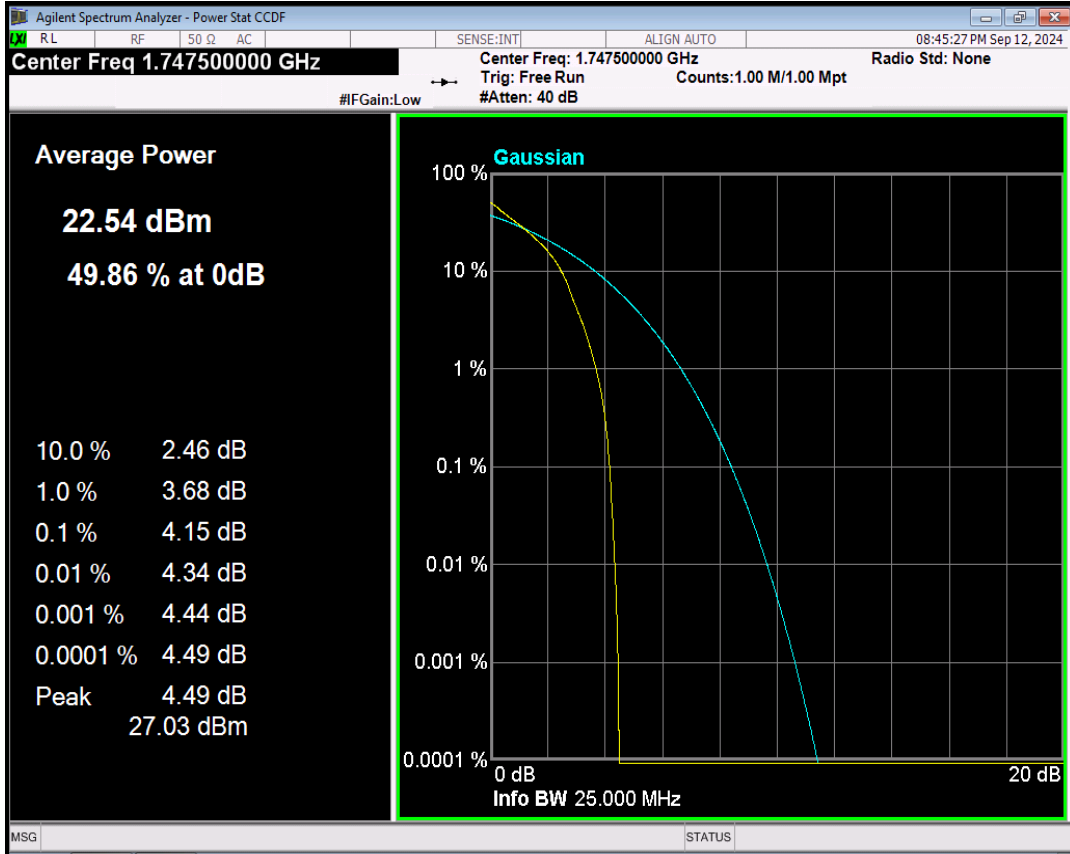
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



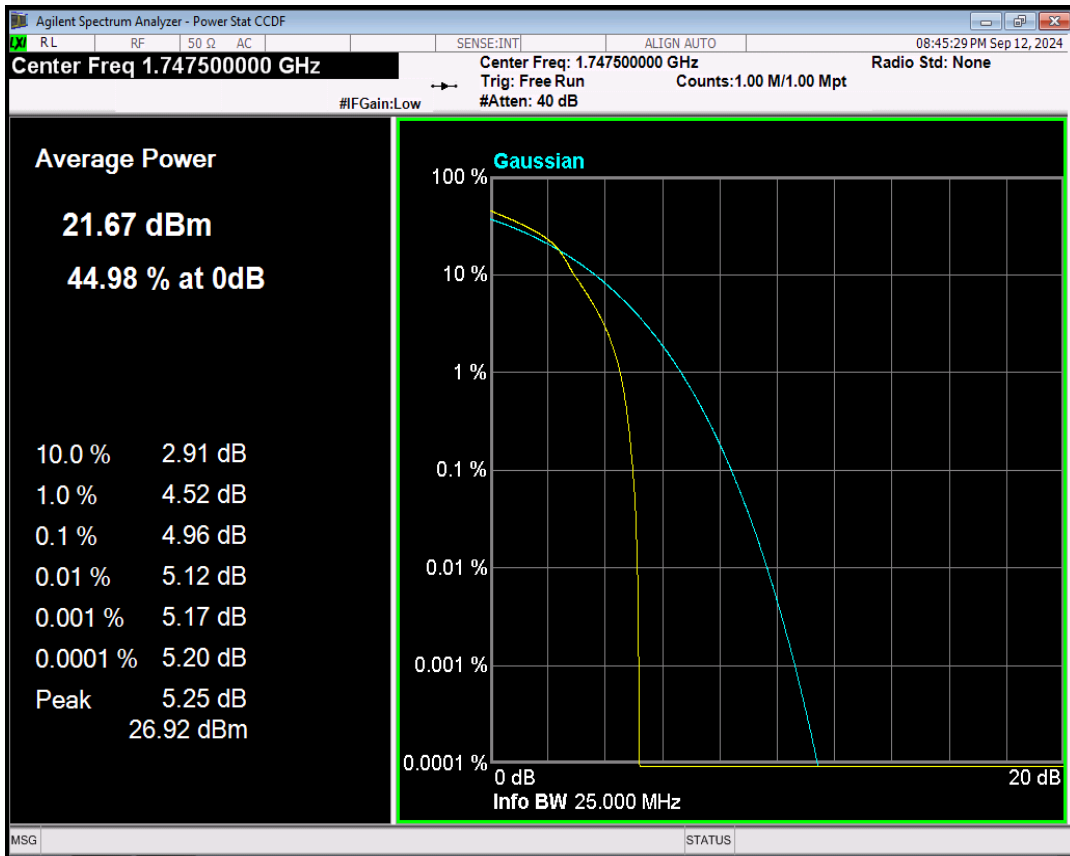
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



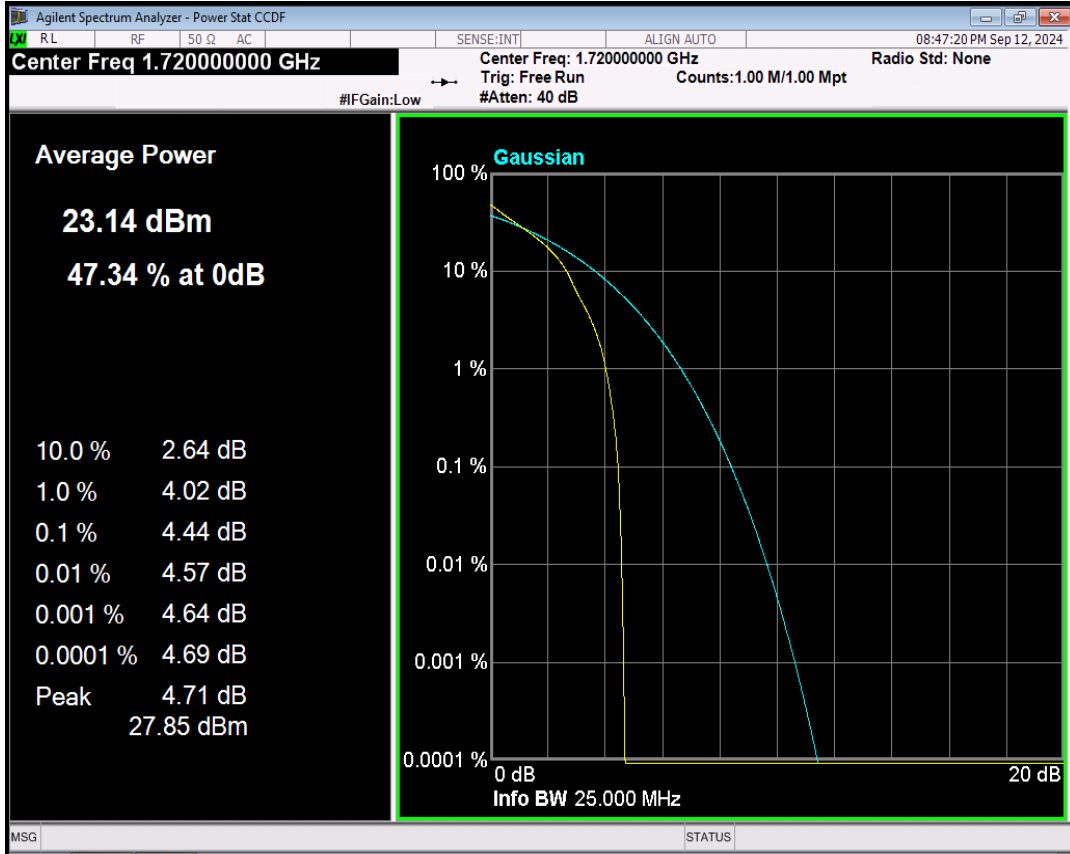
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



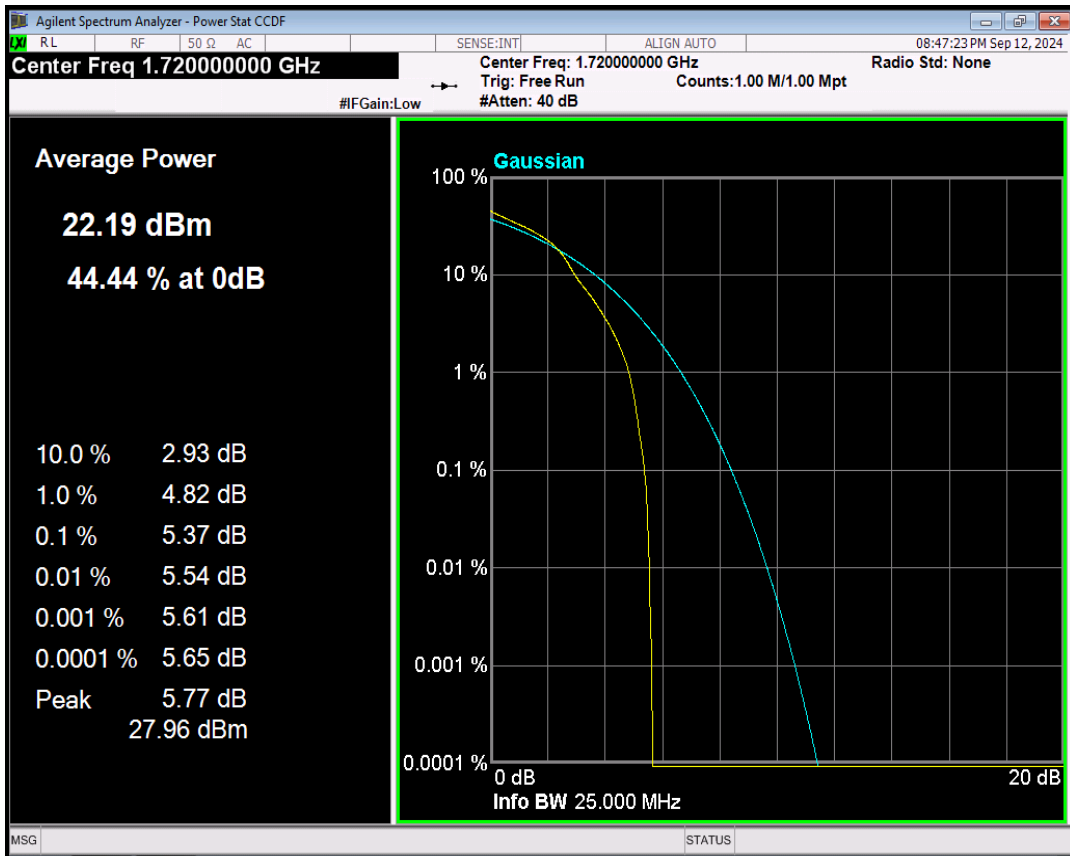
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



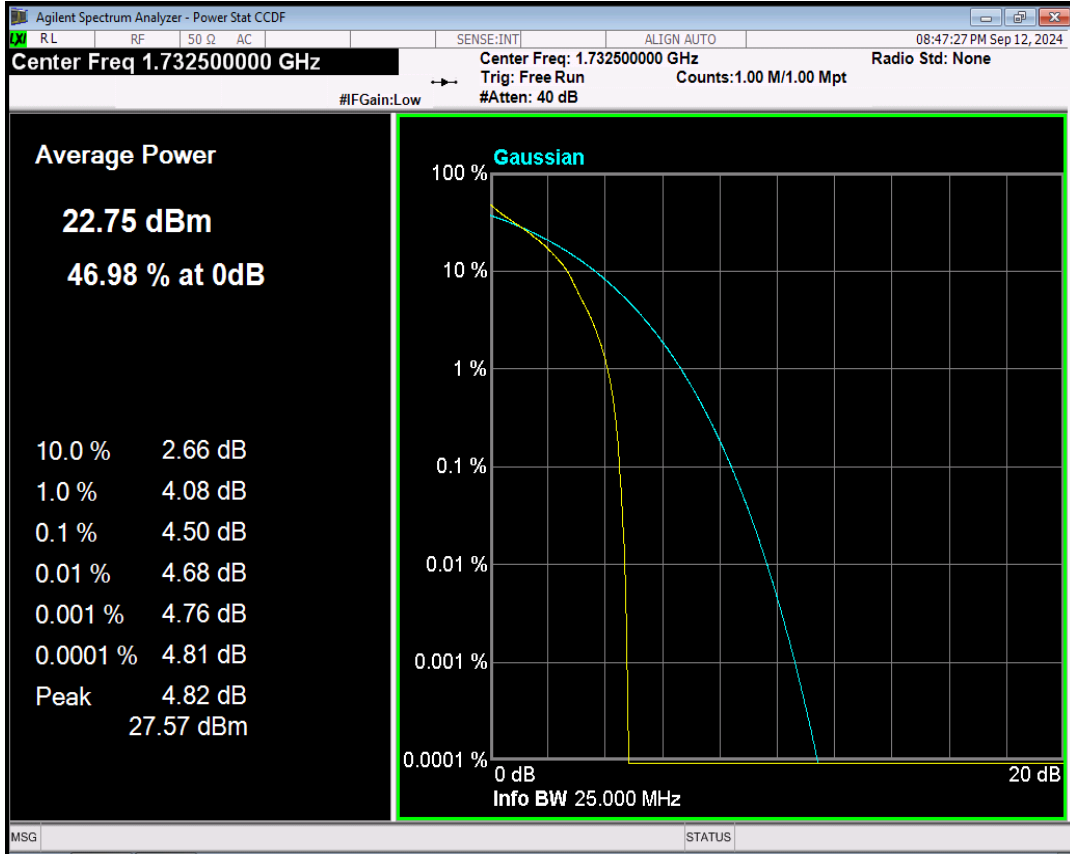
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



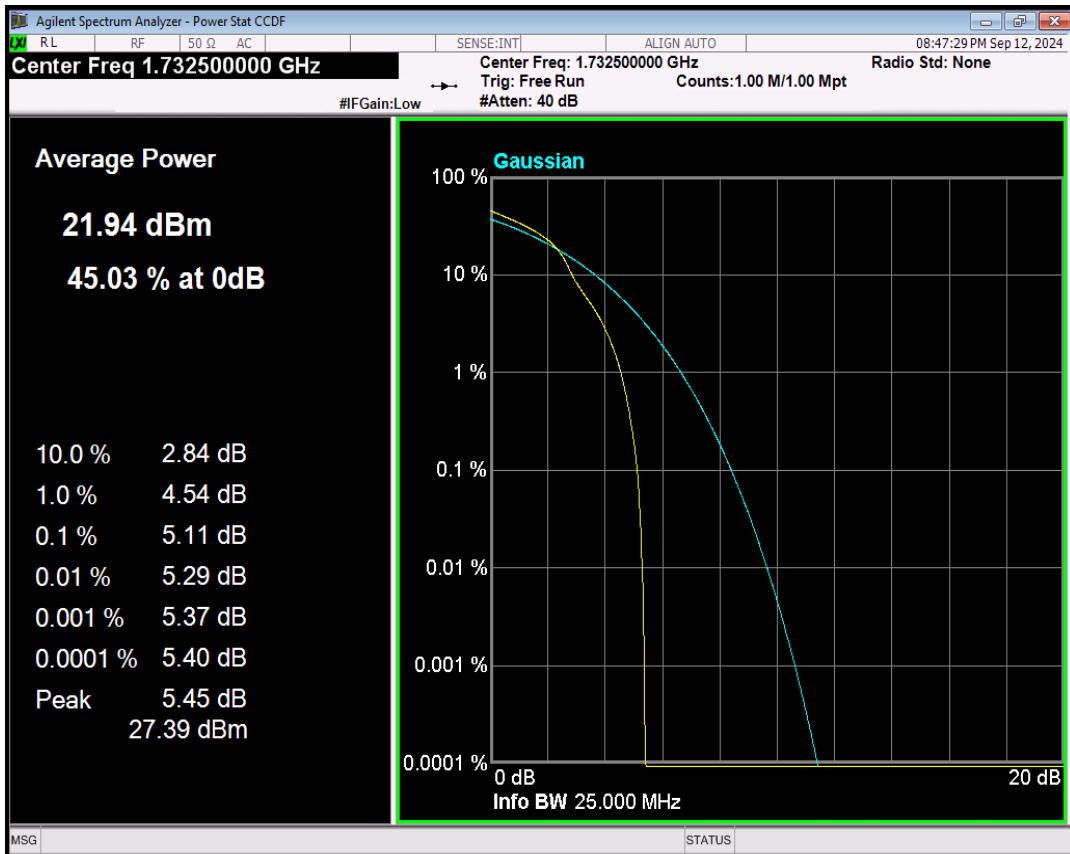
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



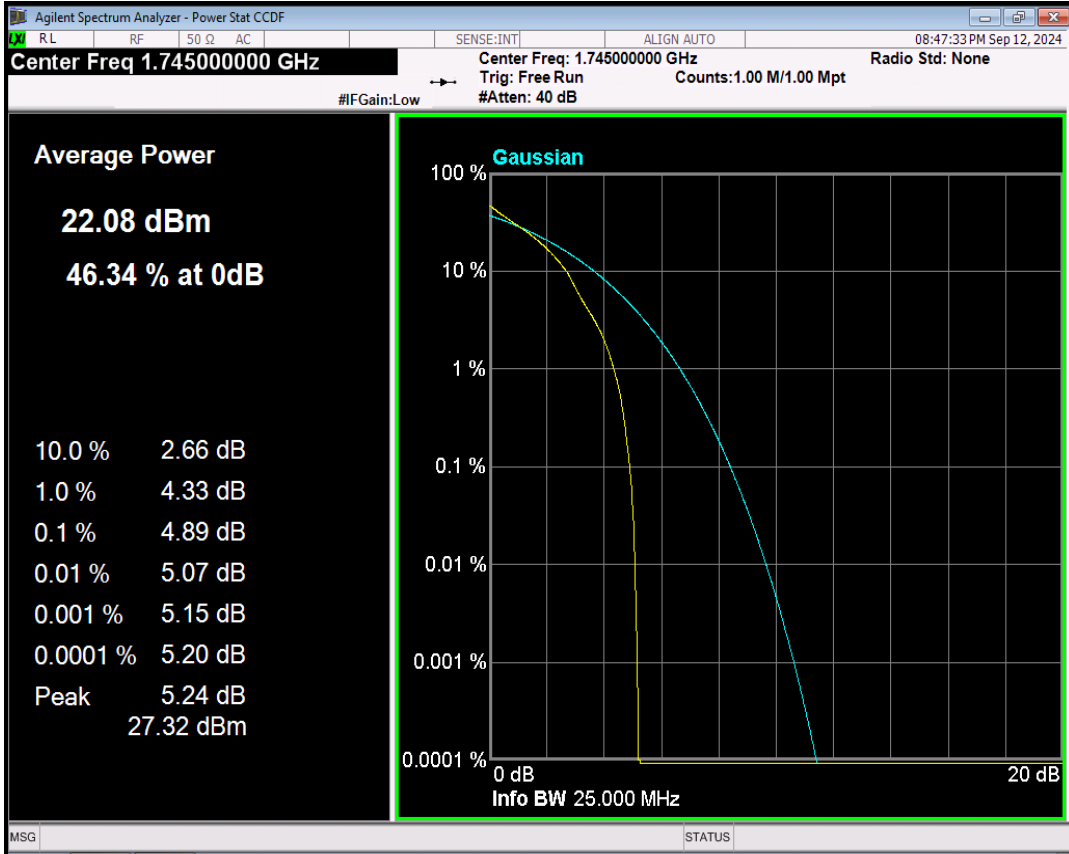
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



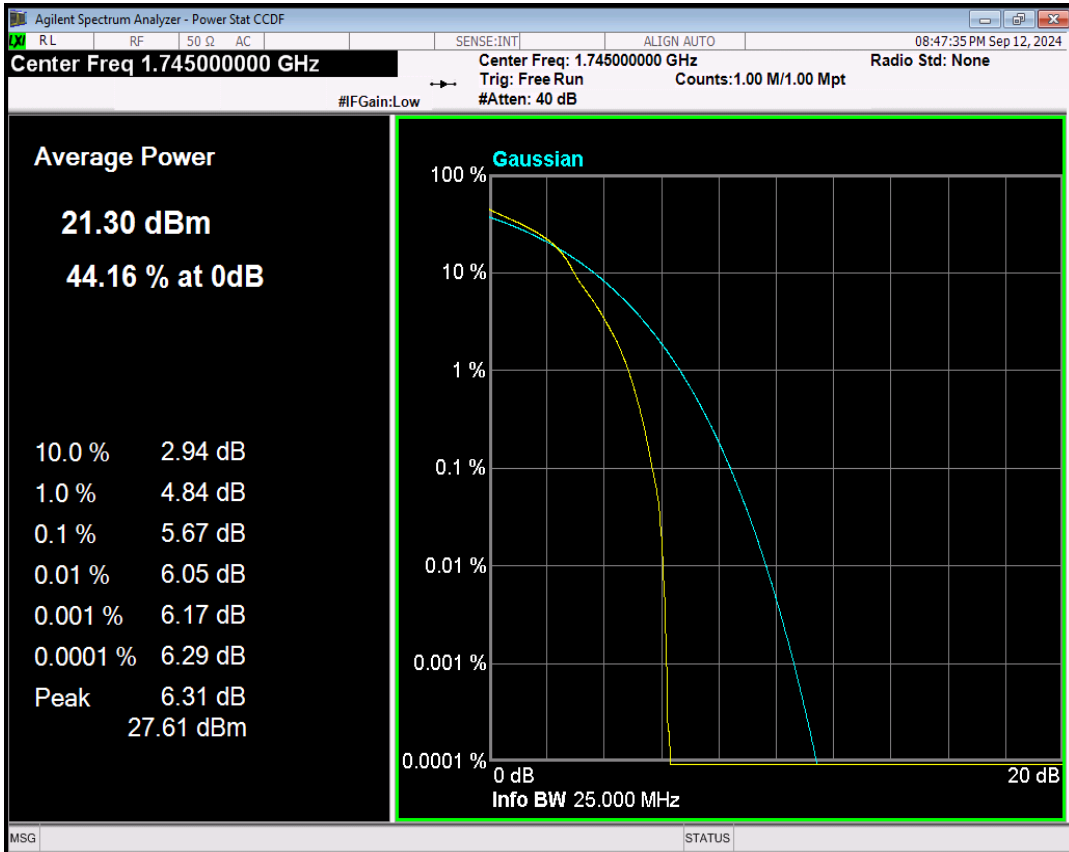
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



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

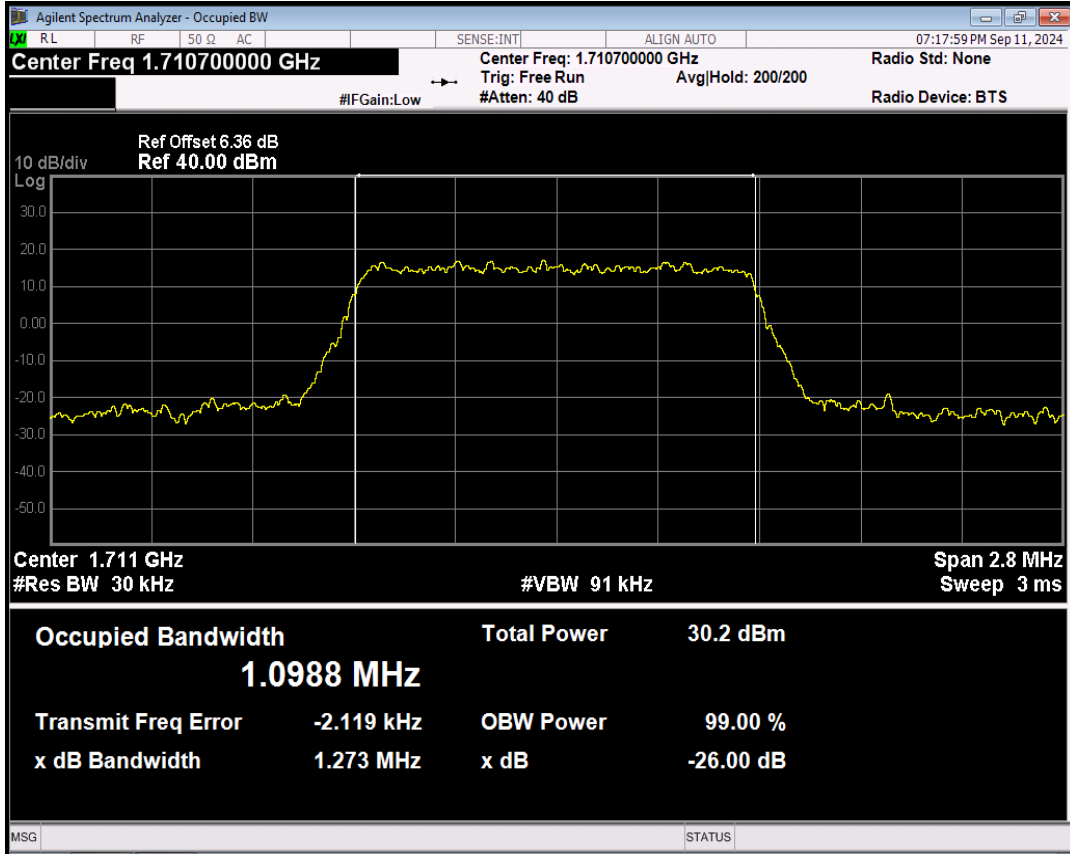


### Appendix 4. Occupied bandwidth

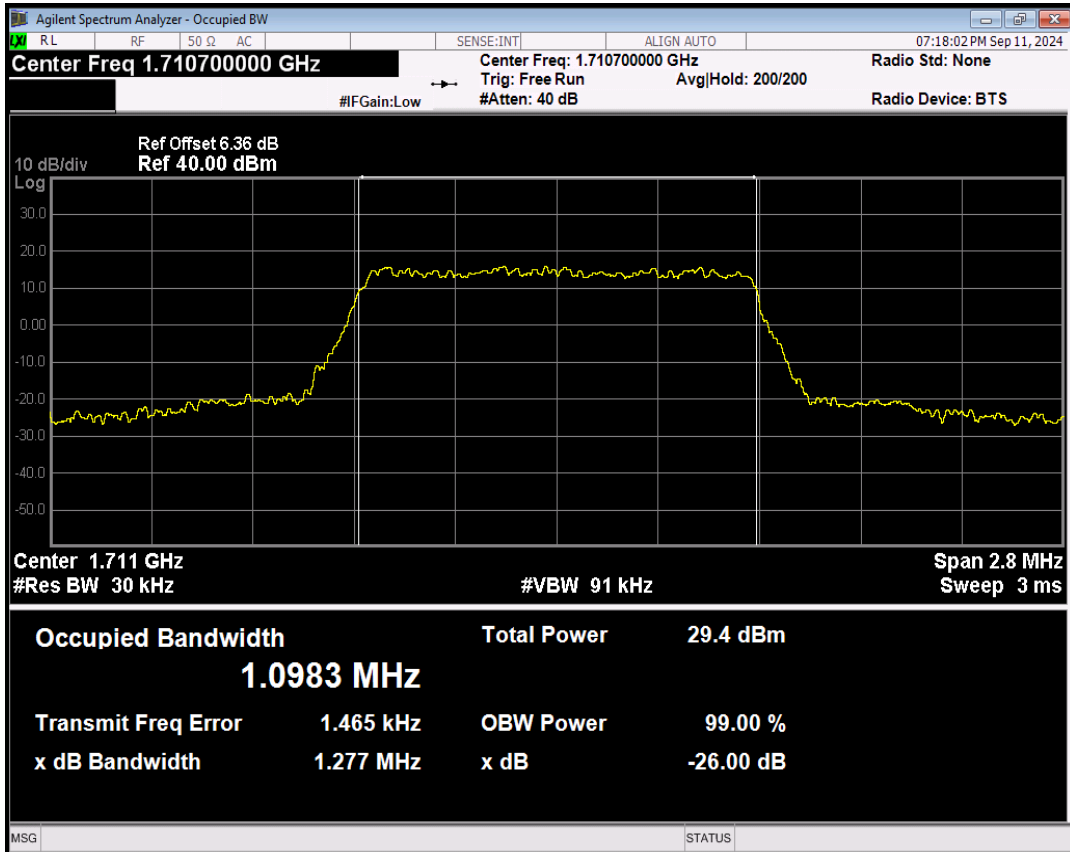
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.099	1.273	PASS
Band4	1.4	19957	6	#0	16QAM	1.098	1.277	PASS
Band4	1.4	20175	6	#0	QPSK	1.098	1.261	PASS
Band4	1.4	20175	6	#0	16QAM	1.103	1.297	PASS
Band4	1.4	20393	6	#0	QPSK	1.101	1.279	PASS
Band4	1.4	20393	6	#0	16QAM	1.099	1.277	PASS
Band4	3	19965	15	#0	QPSK	2.698	2.960	PASS
Band4	3	19965	15	#0	16QAM	2.687	2.964	PASS
Band4	3	20175	15	#0	QPSK	2.700	2.973	PASS
Band4	3	20175	15	#0	16QAM	2.690	2.971	PASS
Band4	3	20385	15	#0	QPSK	2.700	2.969	PASS
Band4	3	20385	15	#0	16QAM	2.686	3.008	PASS
Band4	5	19975	25	#0	QPSK	4.527	4.884	PASS
Band4	5	19975	25	#0	16QAM	4.506	4.898	PASS
Band4	5	20175	25	#0	QPSK	4.510	4.922	PASS
Band4	5	20175	25	#0	16QAM	4.516	4.906	PASS
Band4	5	20375	25	#0	QPSK	4.507	4.886	PASS
Band4	5	20375	25	#0	16QAM	4.523	4.951	PASS
Band4	10	20000	50	#0	QPSK	8.972	9.674	PASS
Band4	10	20000	50	#0	16QAM	8.969	9.679	PASS
Band4	10	20175	50	#0	QPSK	8.973	9.680	PASS
Band4	10	20175	50	#0	16QAM	8.973	9.709	PASS
Band4	10	20350	50	#0	QPSK	8.975	9.595	PASS
Band4	10	20350	50	#0	16QAM	8.981	9.638	PASS
Band4	15	20025	75	#0	QPSK	13.477	14.468	PASS
Band4	15	20025	75	#0	16QAM	13.488	14.375	PASS
Band4	15	20175	75	#0	QPSK	13.445	14.543	PASS
Band4	15	20175	75	#0	16QAM	13.499	14.473	PASS
Band4	15	20325	75	#0	QPSK	13.437	14.458	PASS
Band4	15	20325	75	#0	16QAM	13.464	14.472	PASS
Band4	20	20050	100	#0	QPSK	17.887	19.043	PASS
Band4	20	20050	100	#0	16QAM	17.885	19.216	PASS
Band4	20	20175	100	#0	QPSK	17.980	19.298	PASS
Band4	20	20175	100	#0	16QAM	17.981	19.449	PASS
Band4	20	20300	100	#0	QPSK	17.927	19.275	PASS
Band4	20	20300	100	#0	16QAM	17.940	19.134	PASS

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

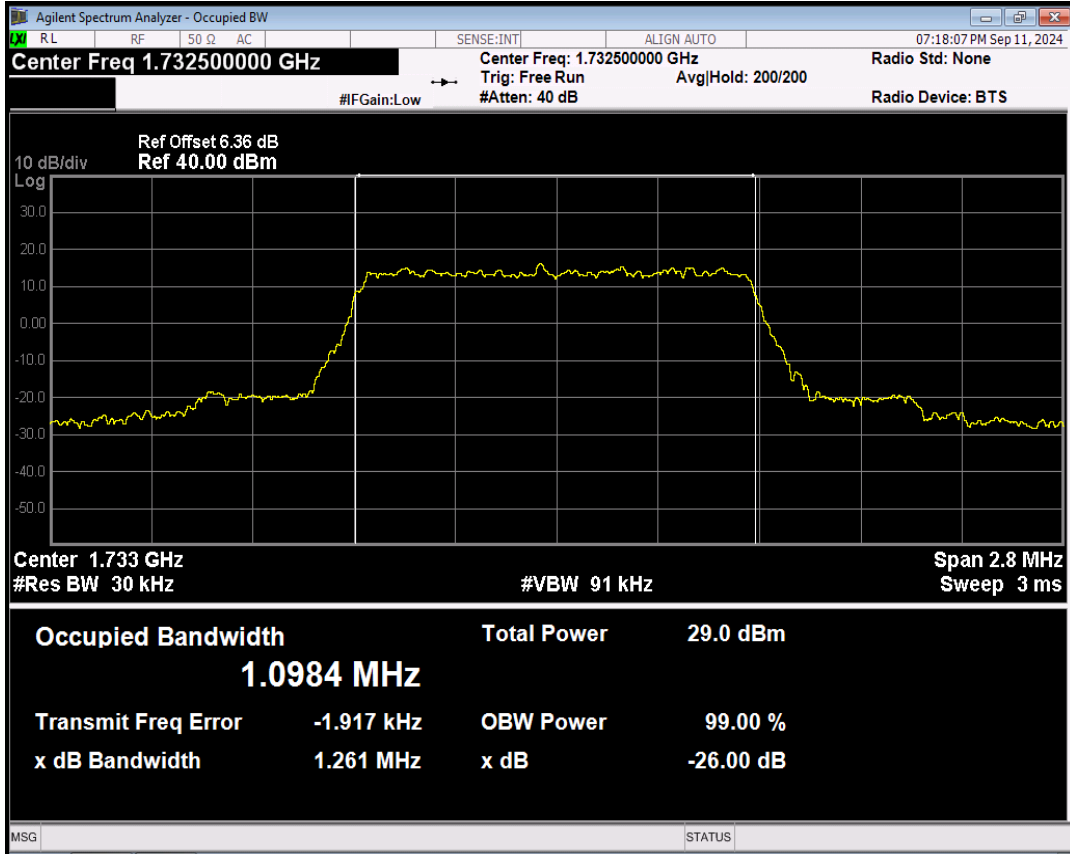




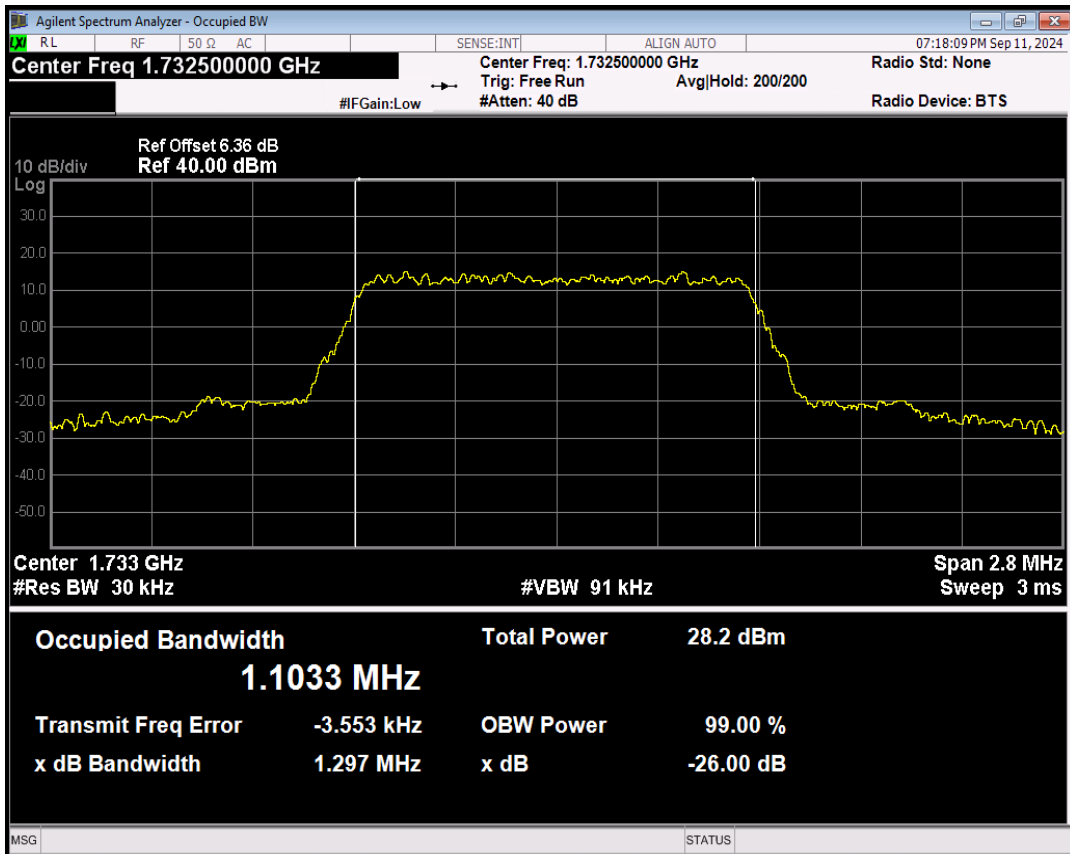
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



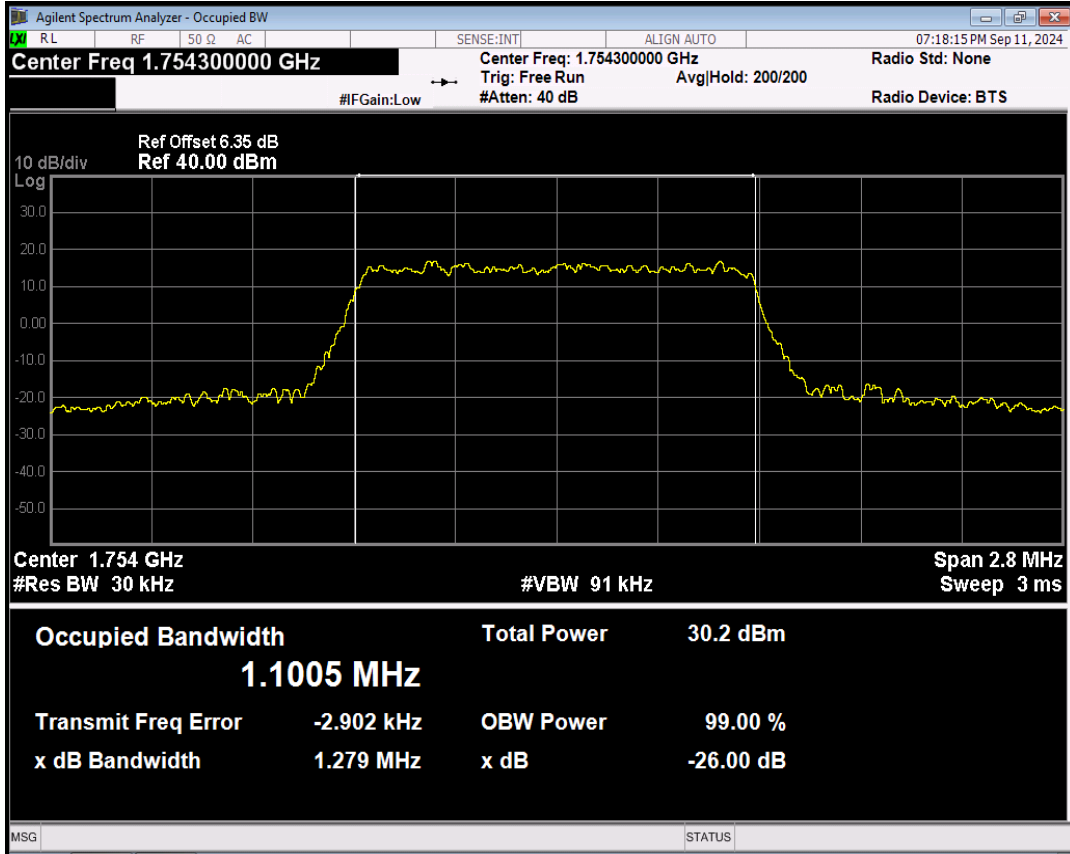
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



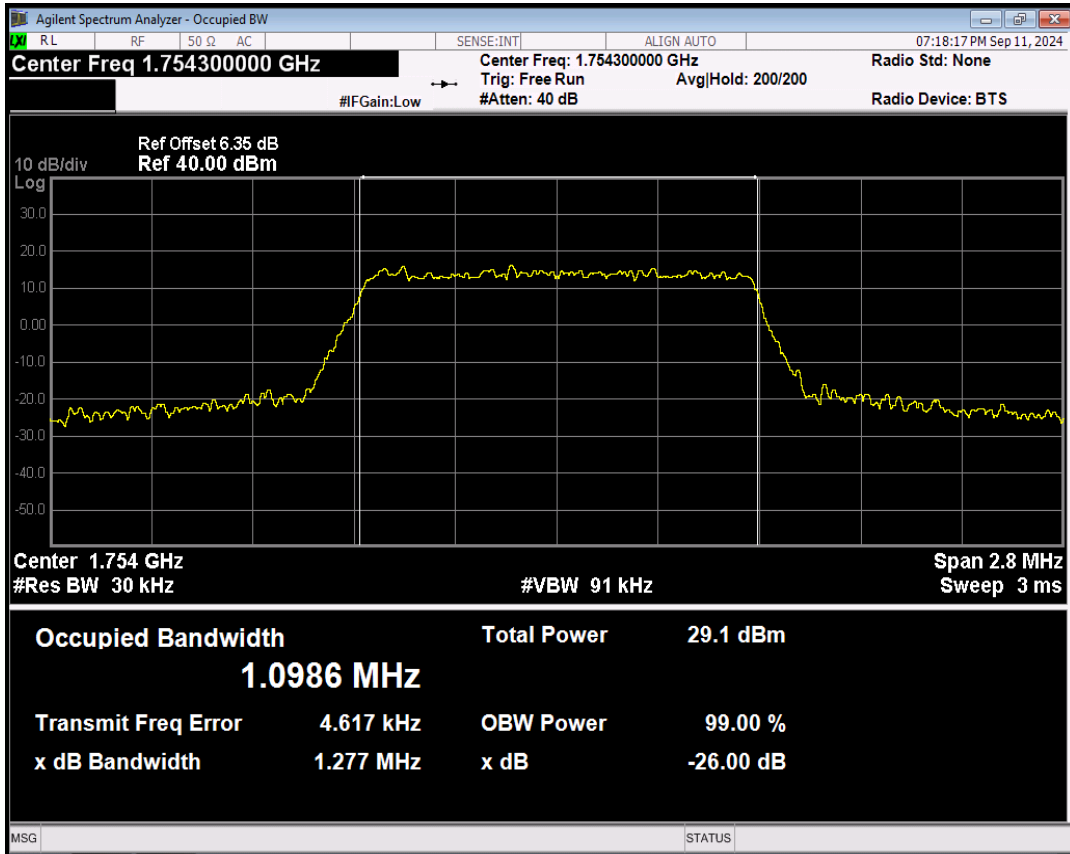
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



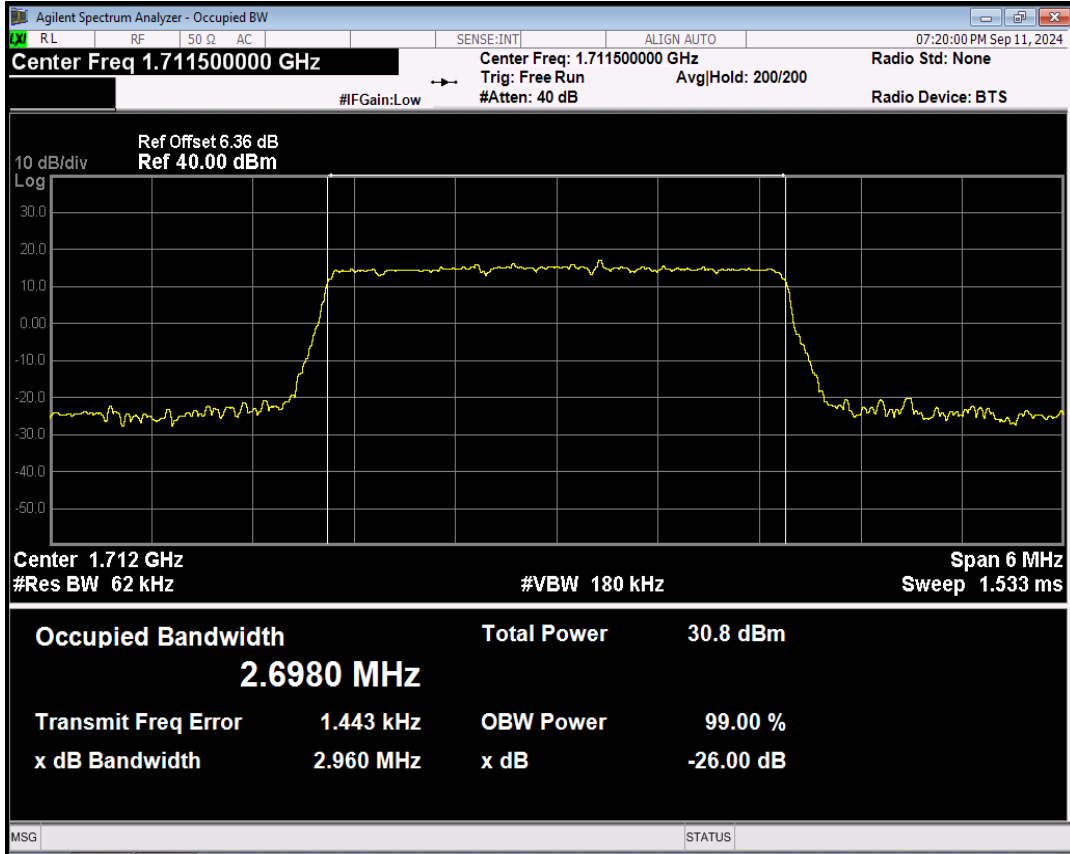
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



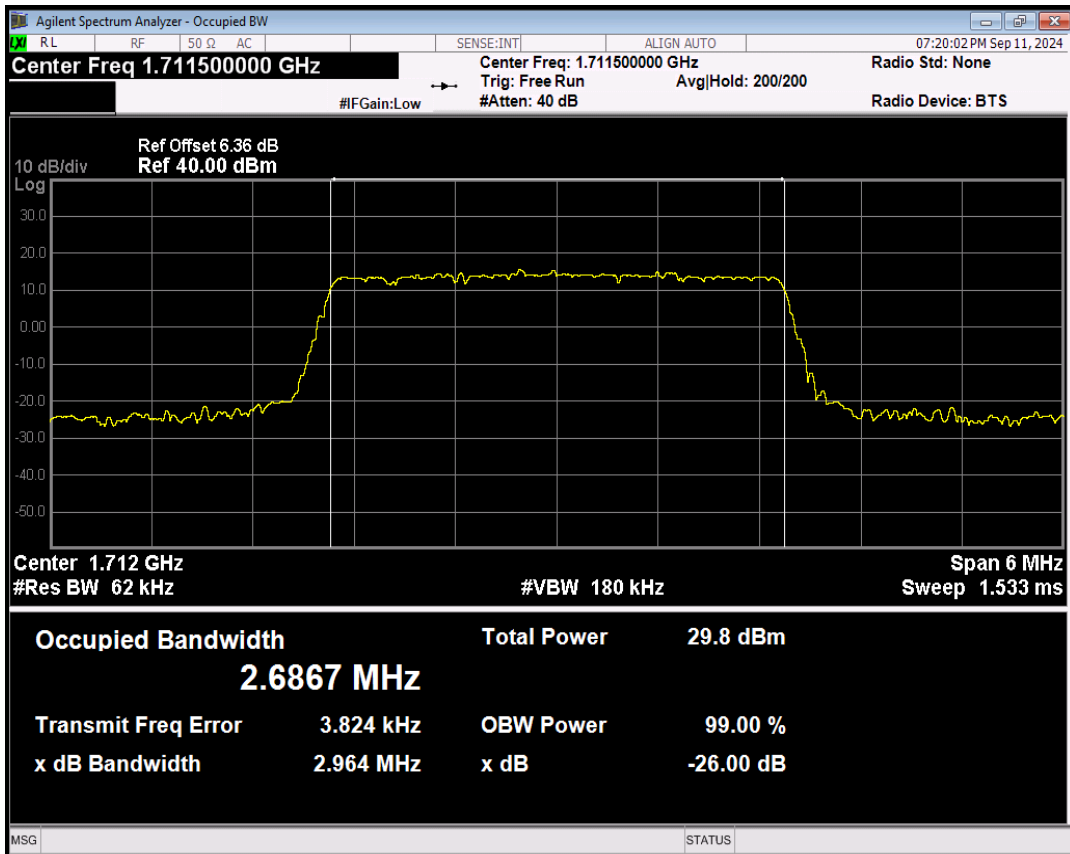
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



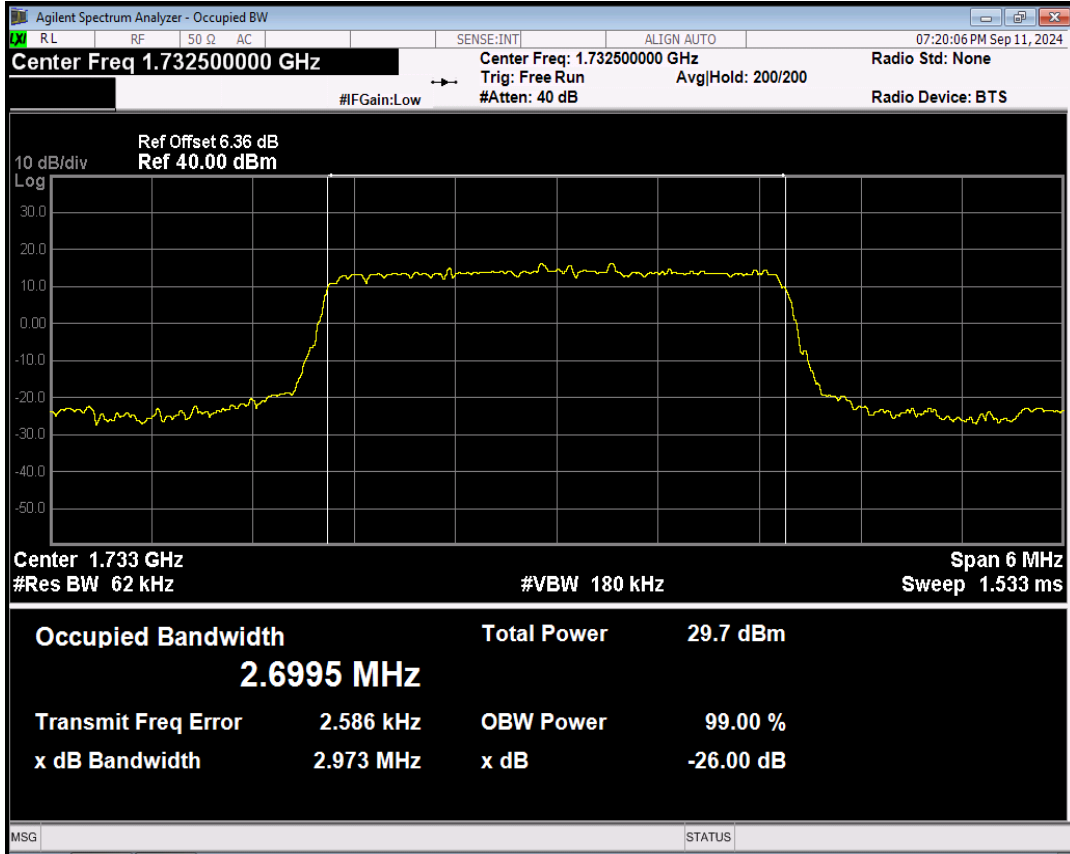
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



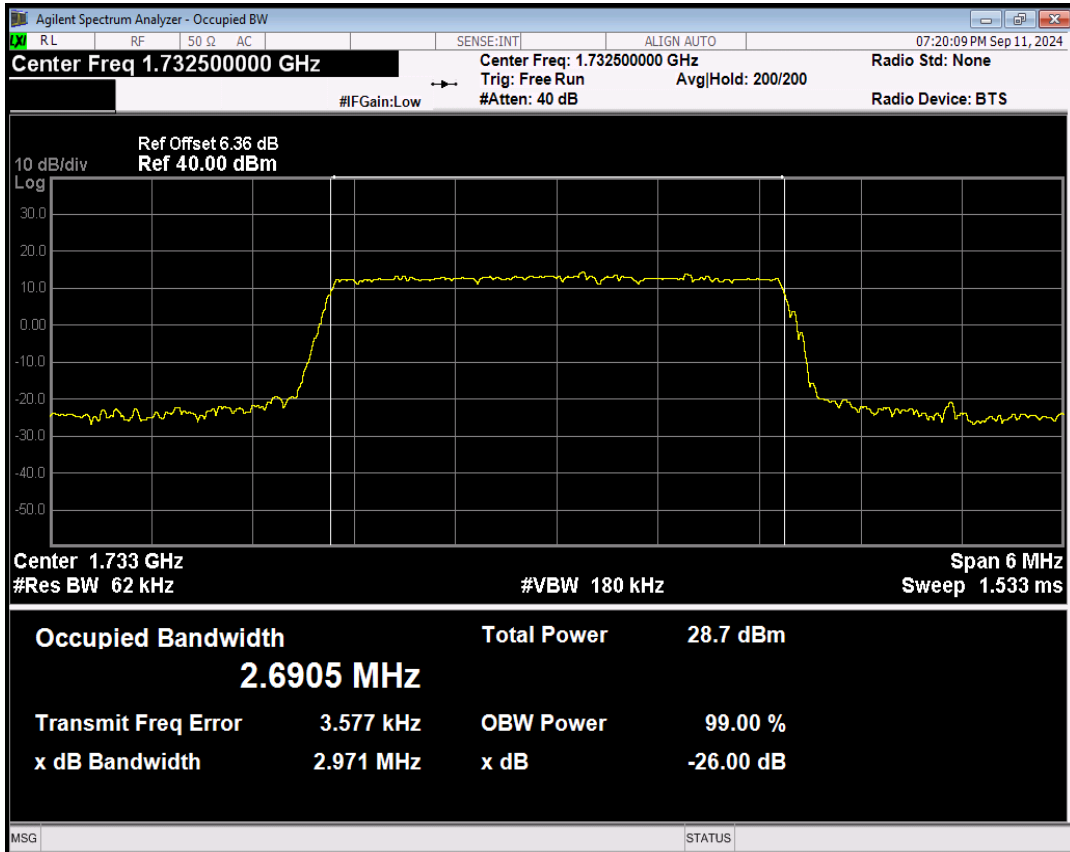
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



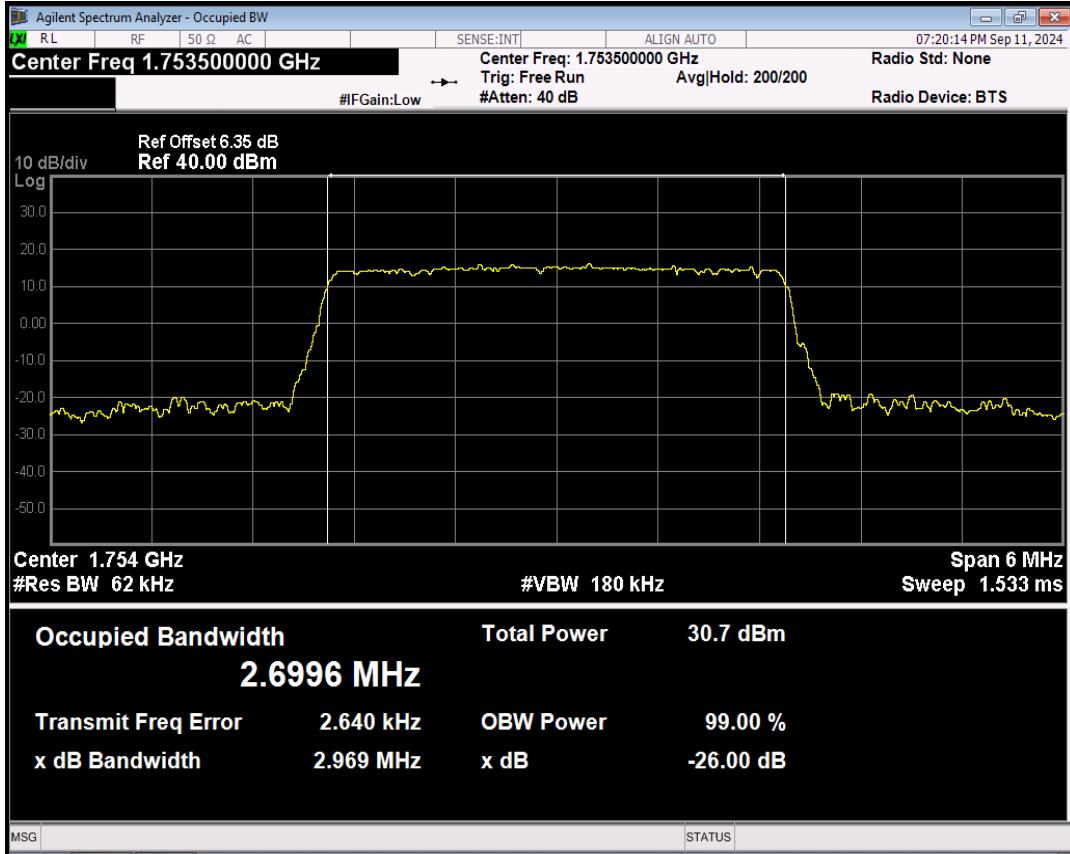
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



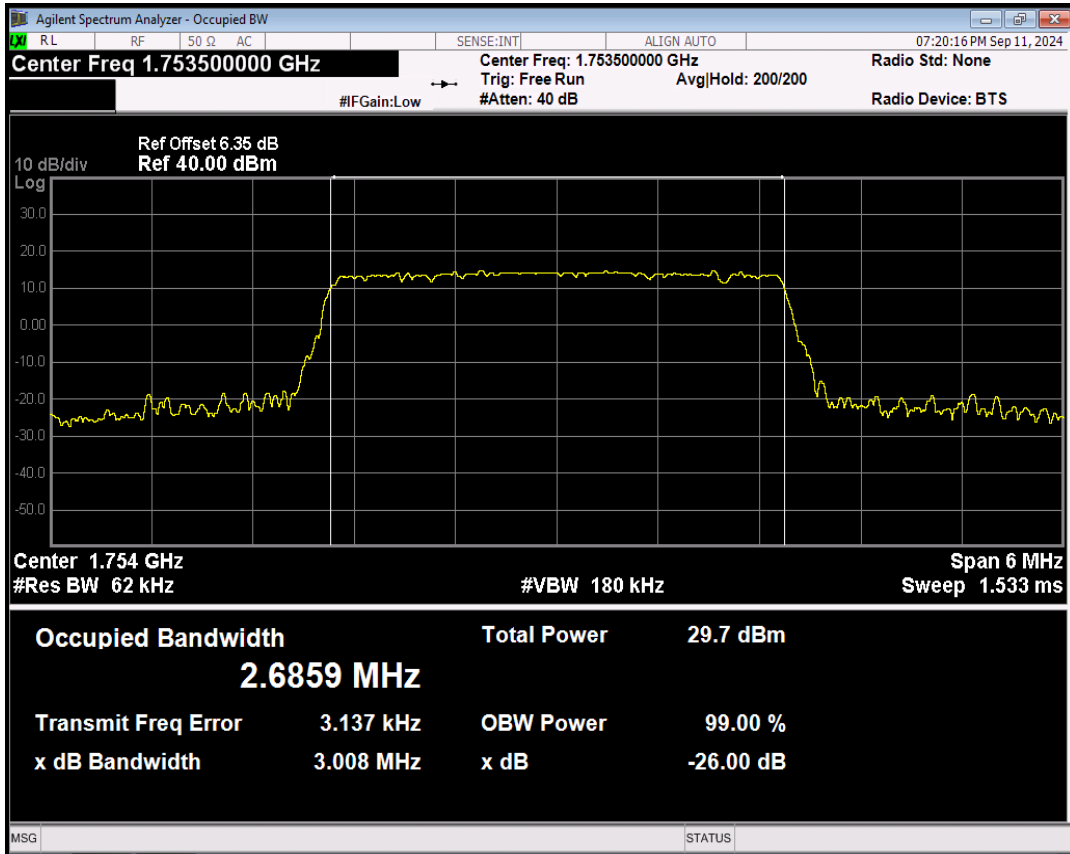
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



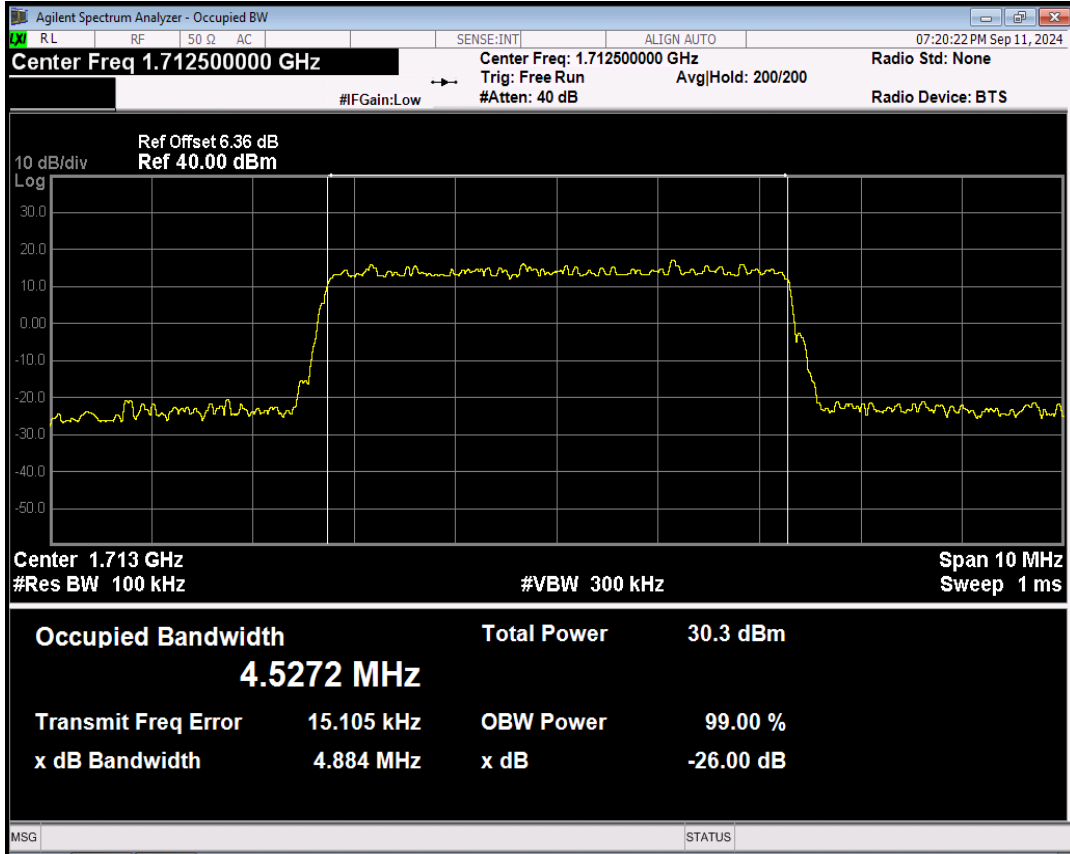
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



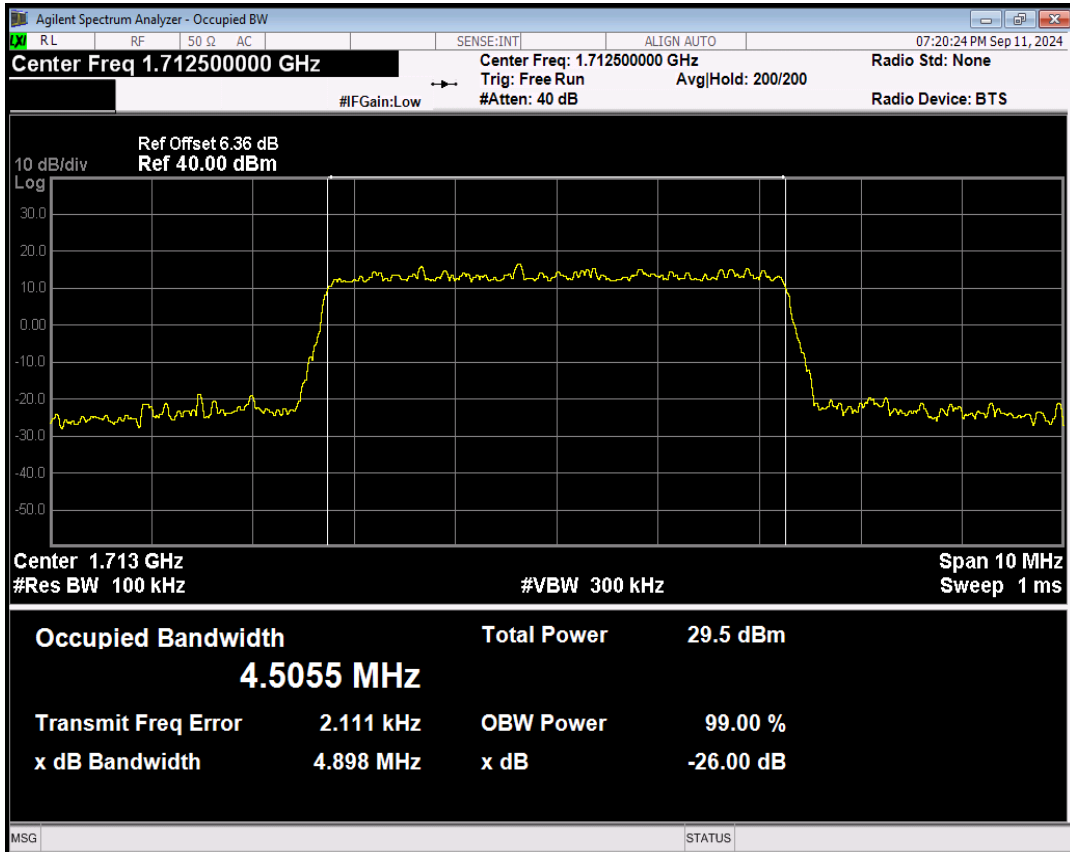
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



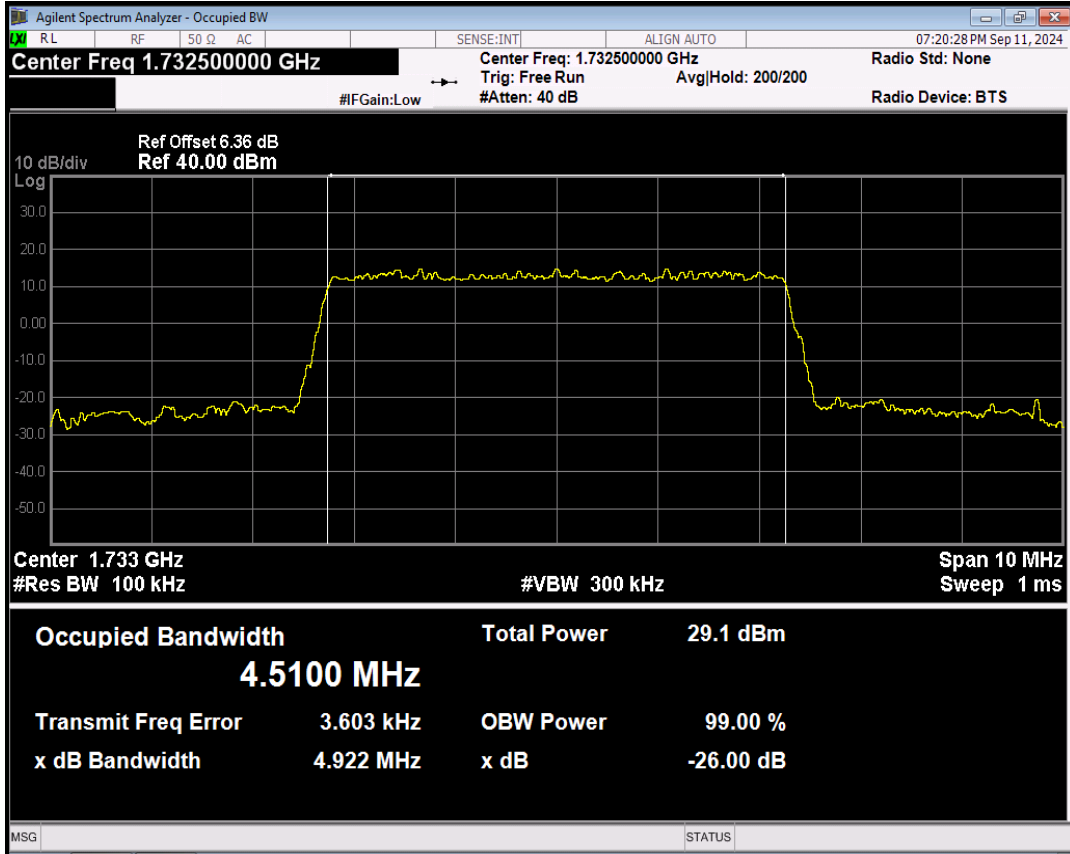
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



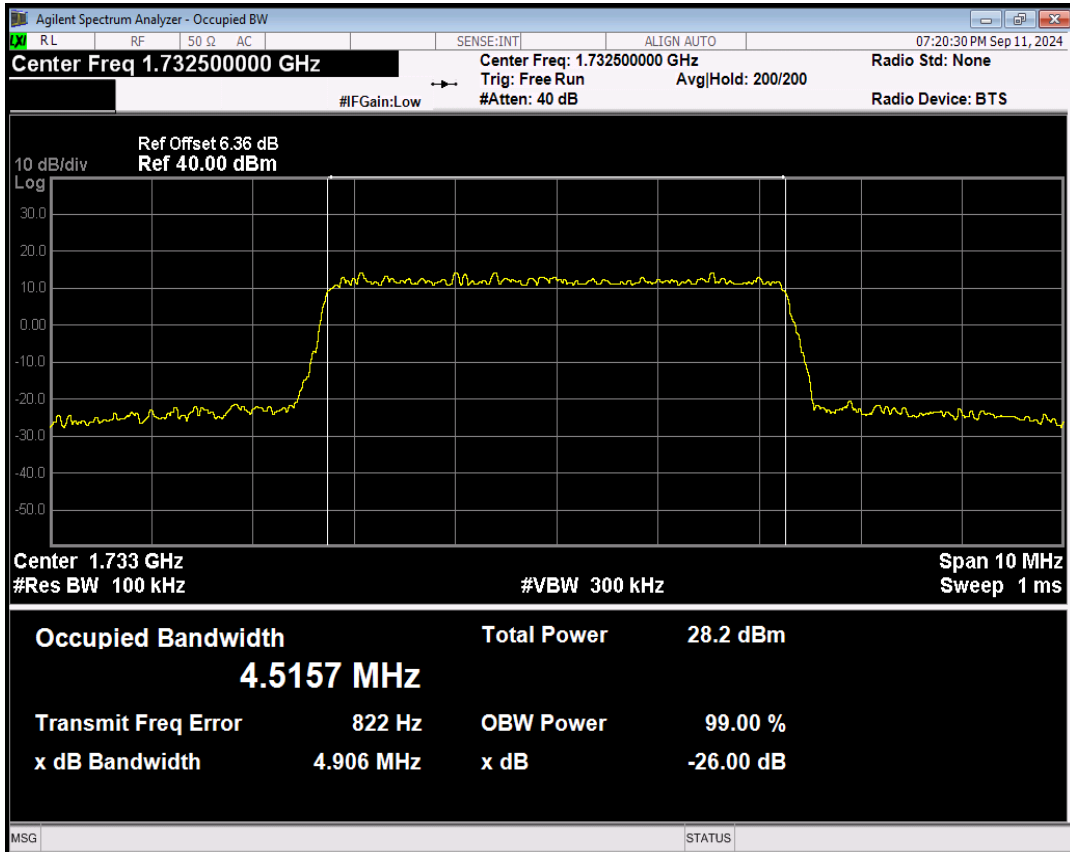
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



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

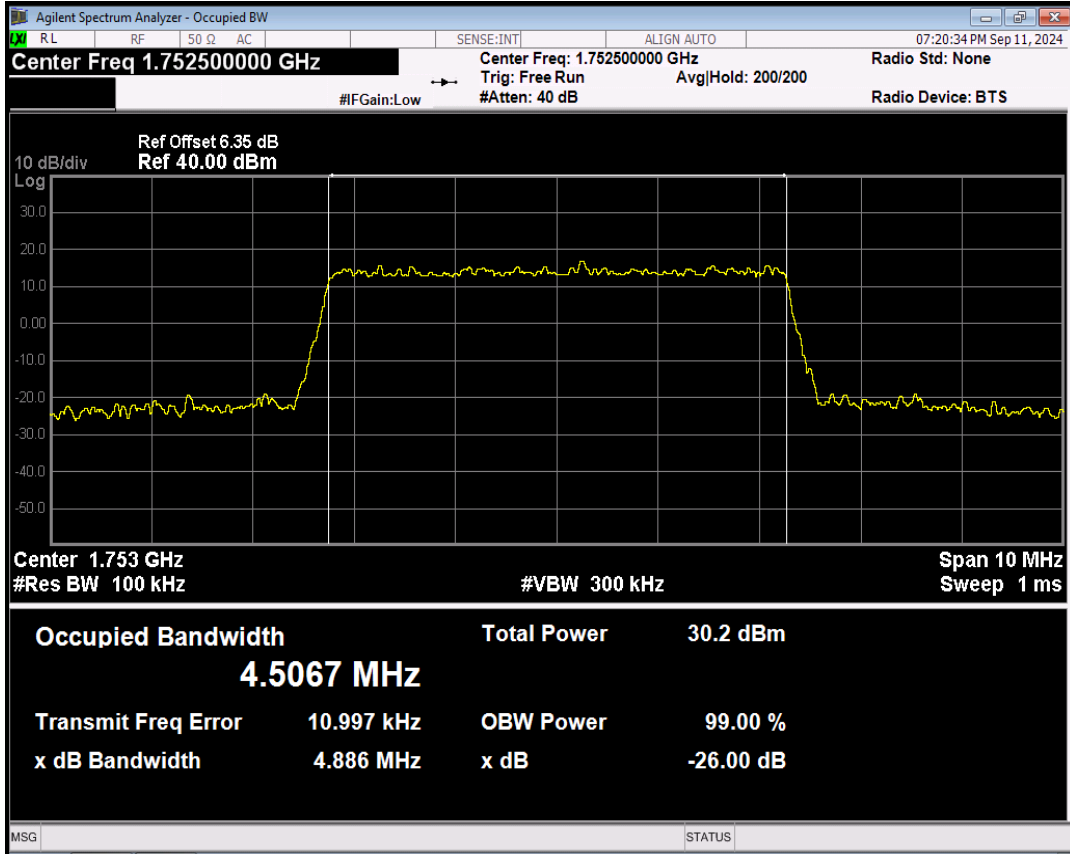


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

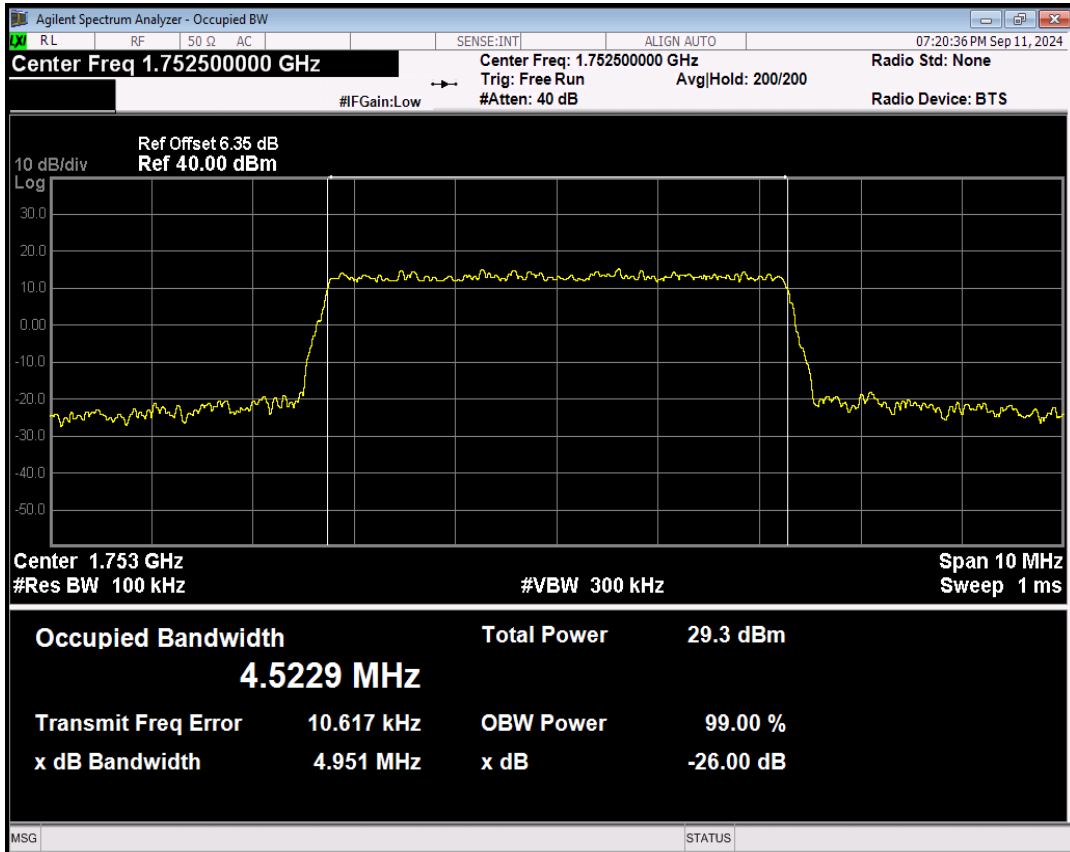


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

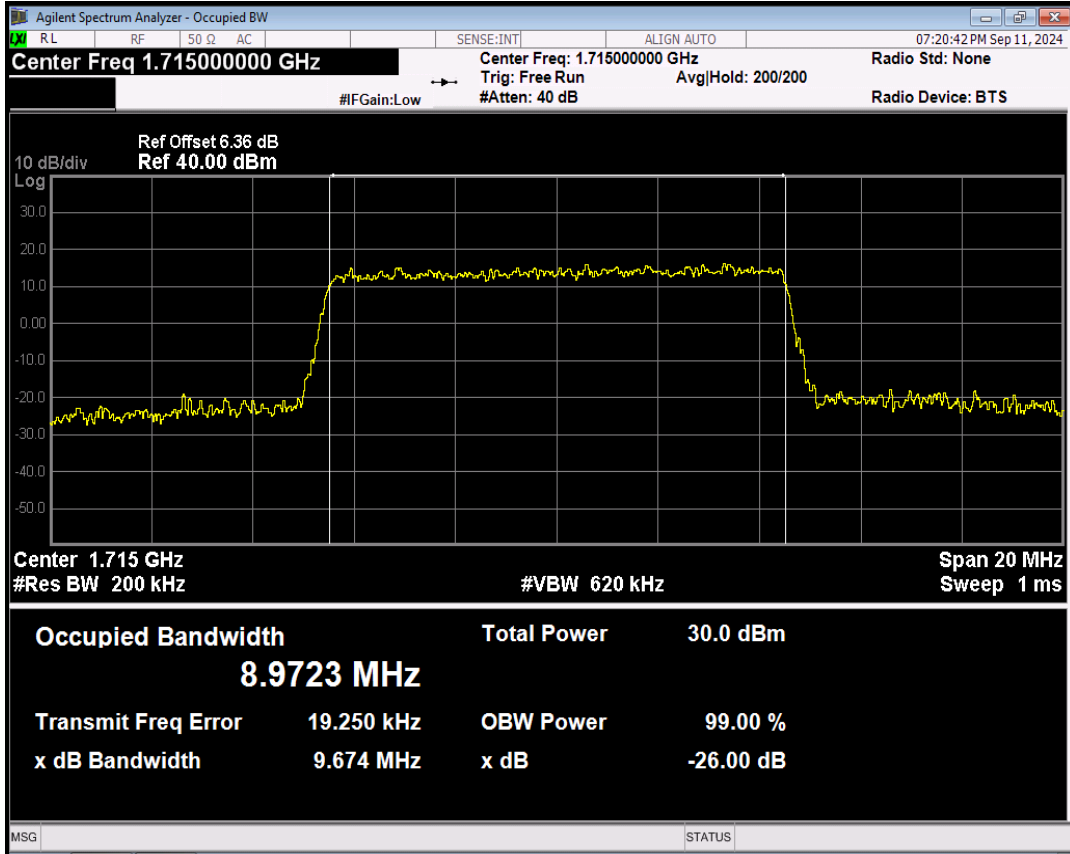




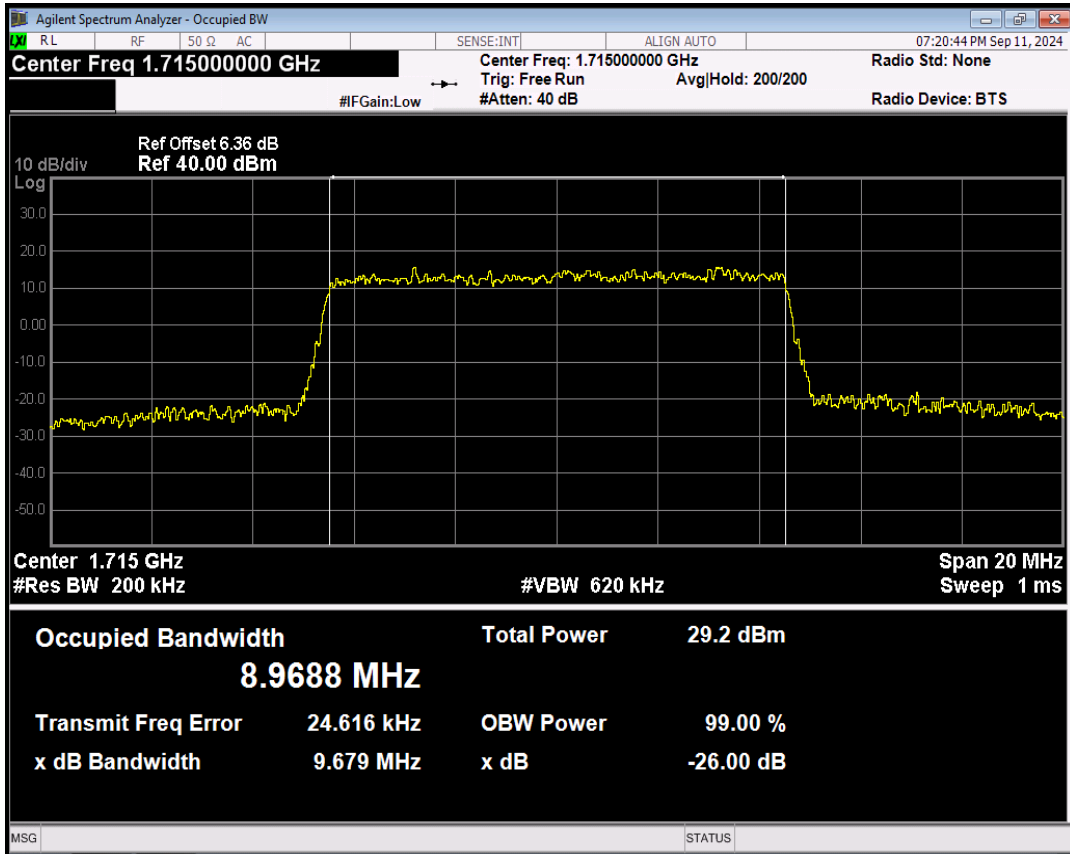
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



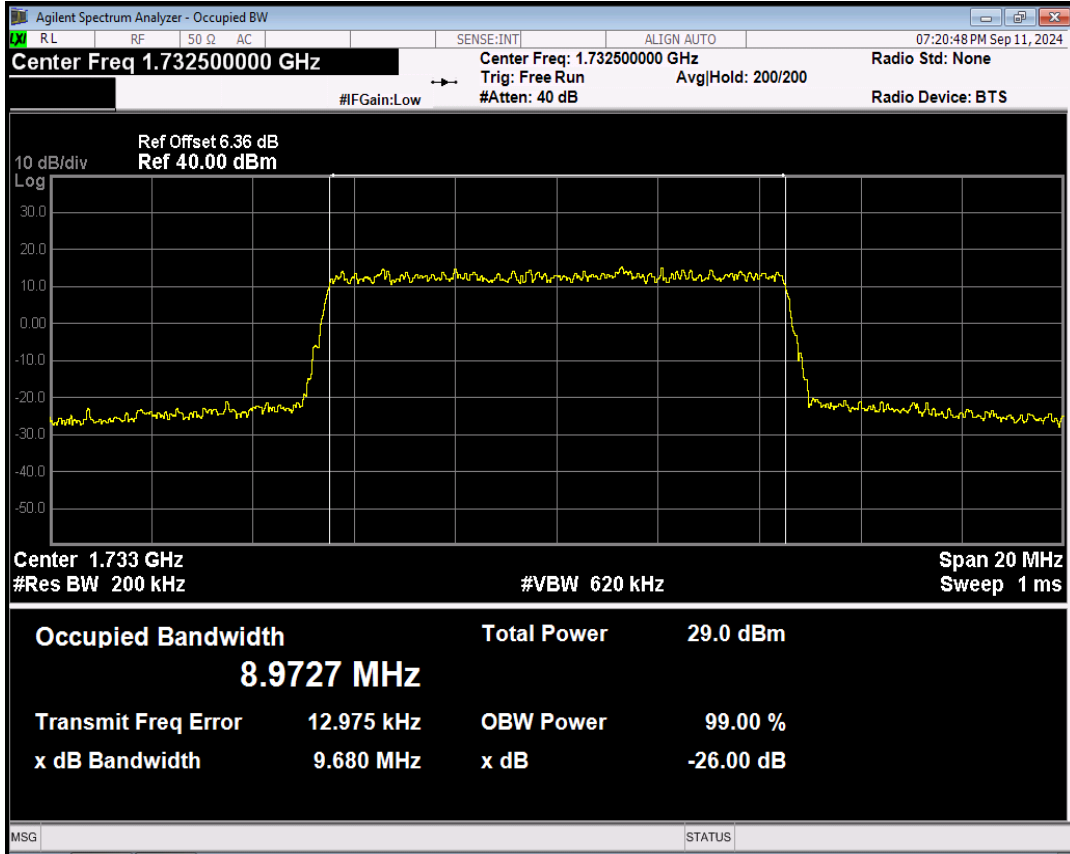
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



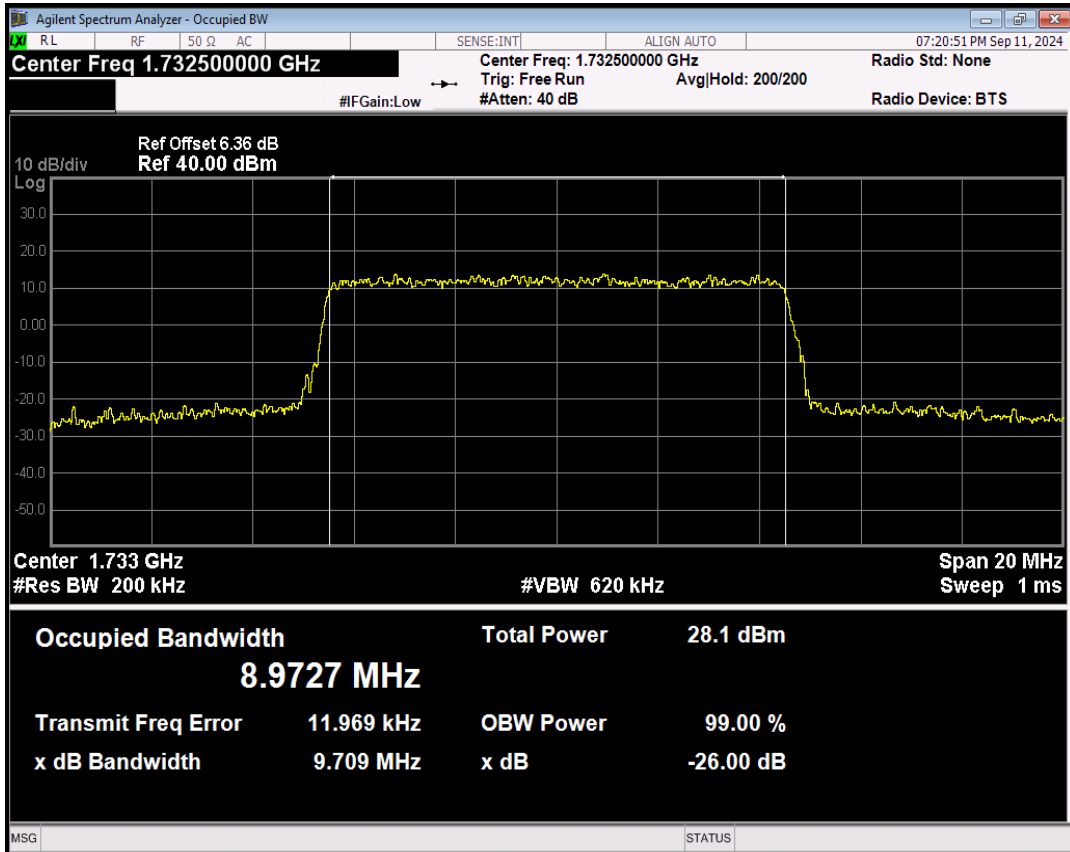
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



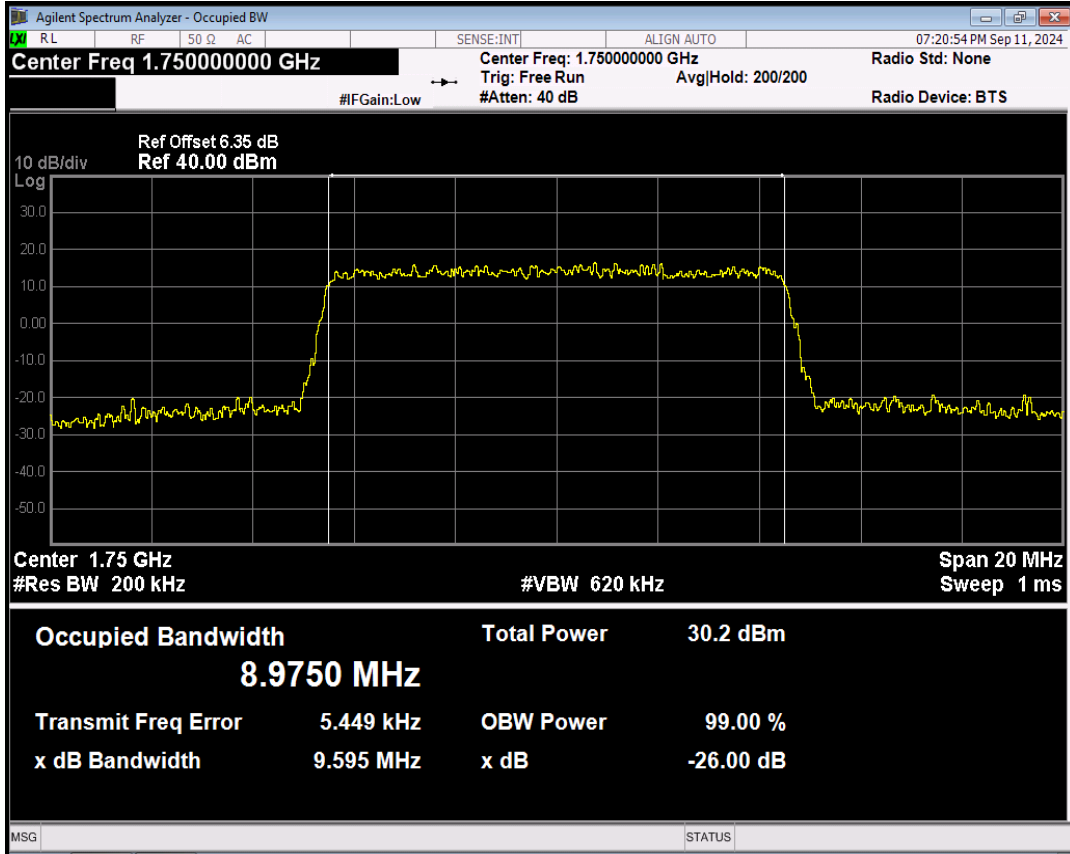
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



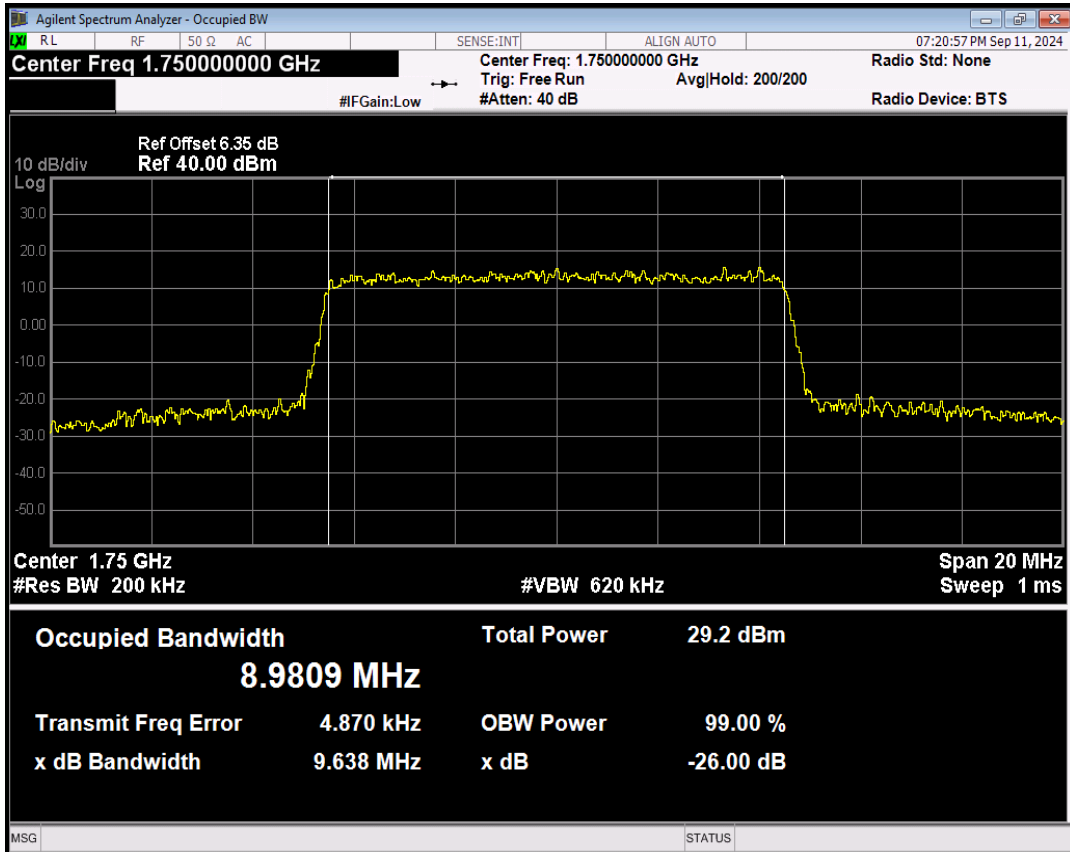
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



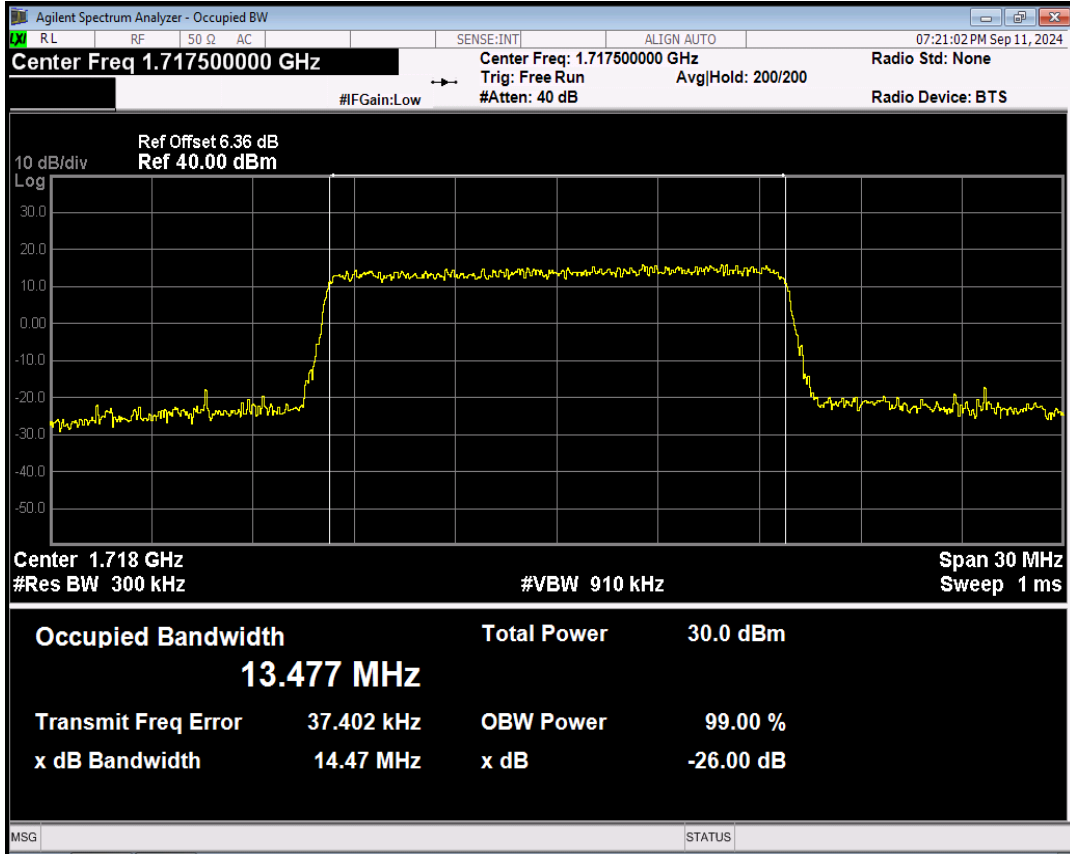
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



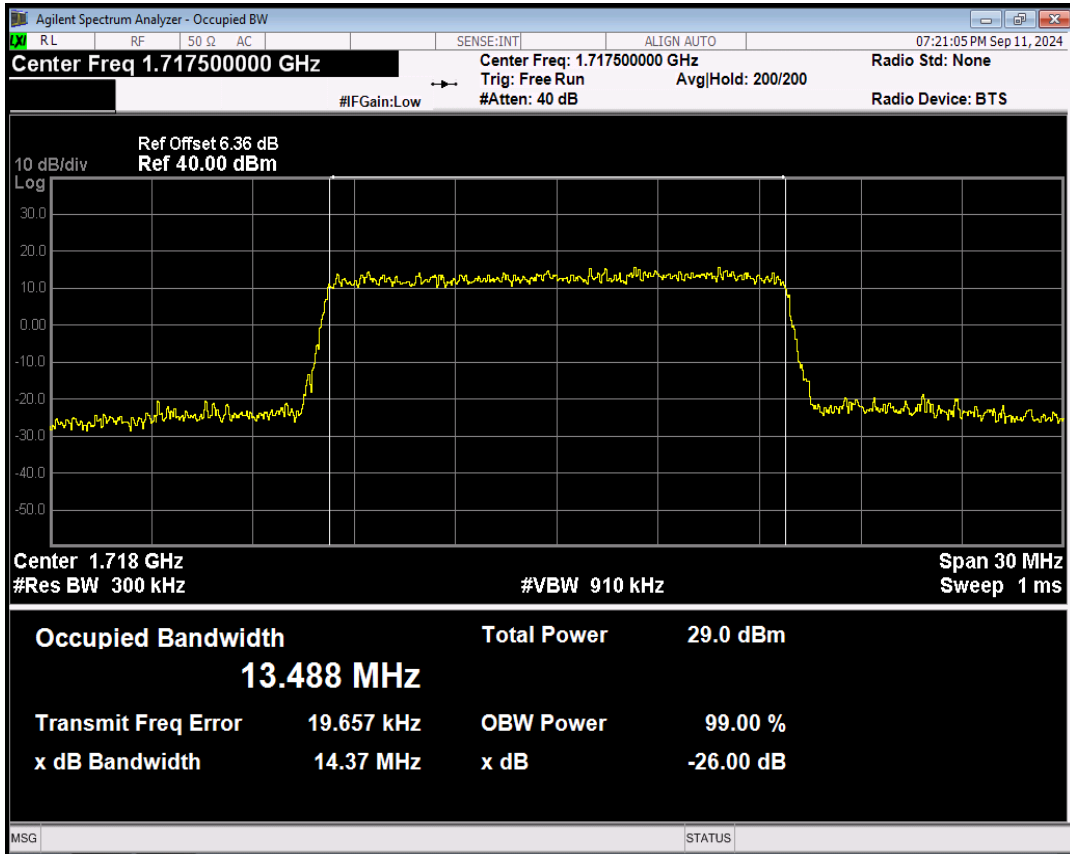
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



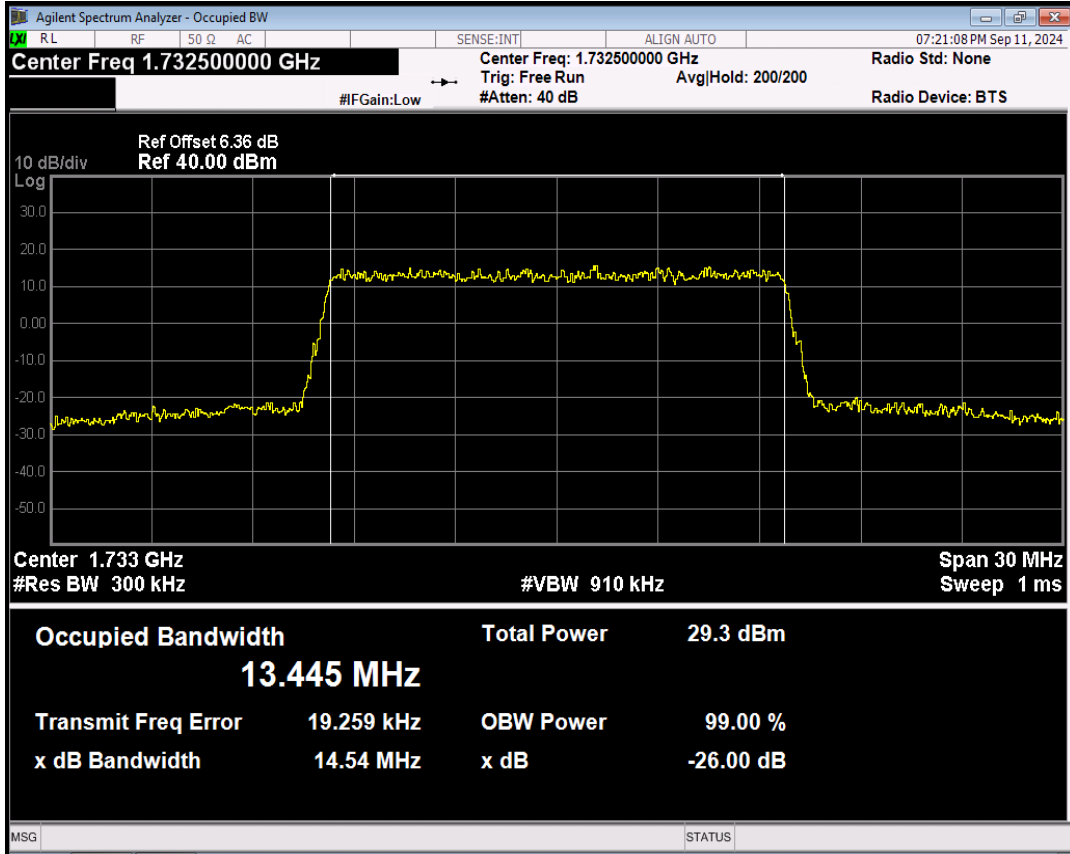
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



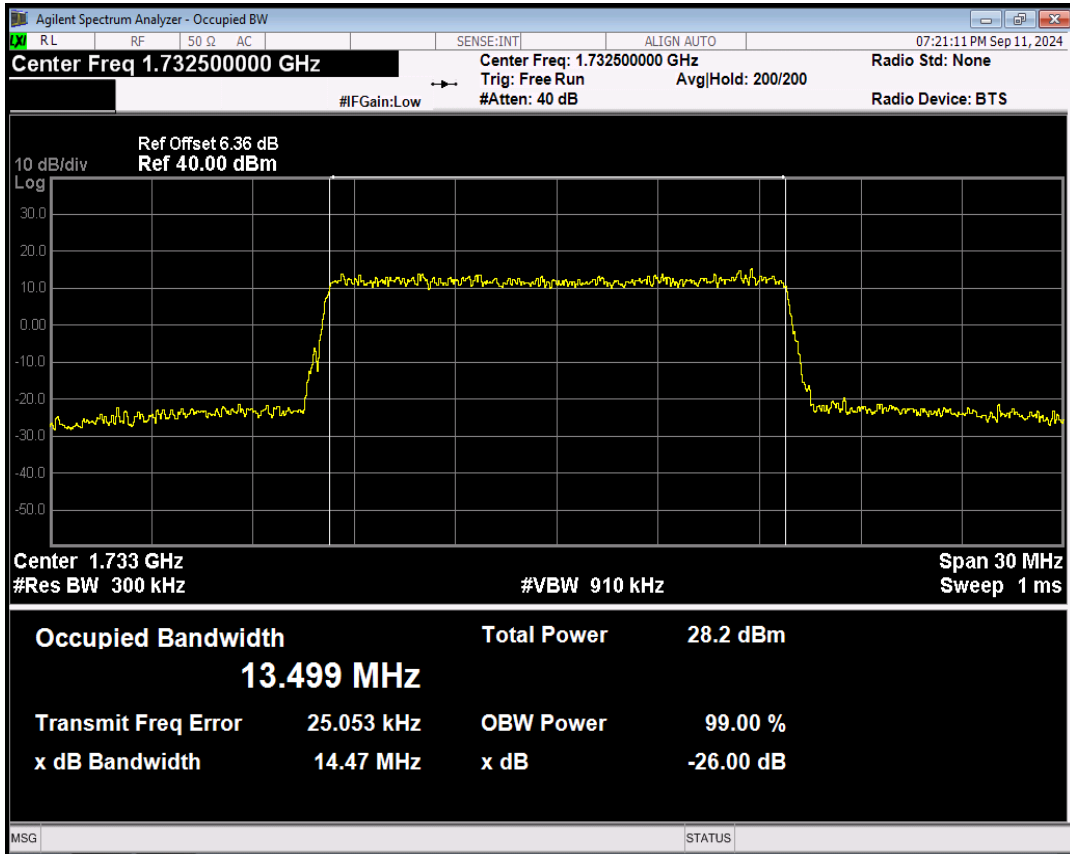
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



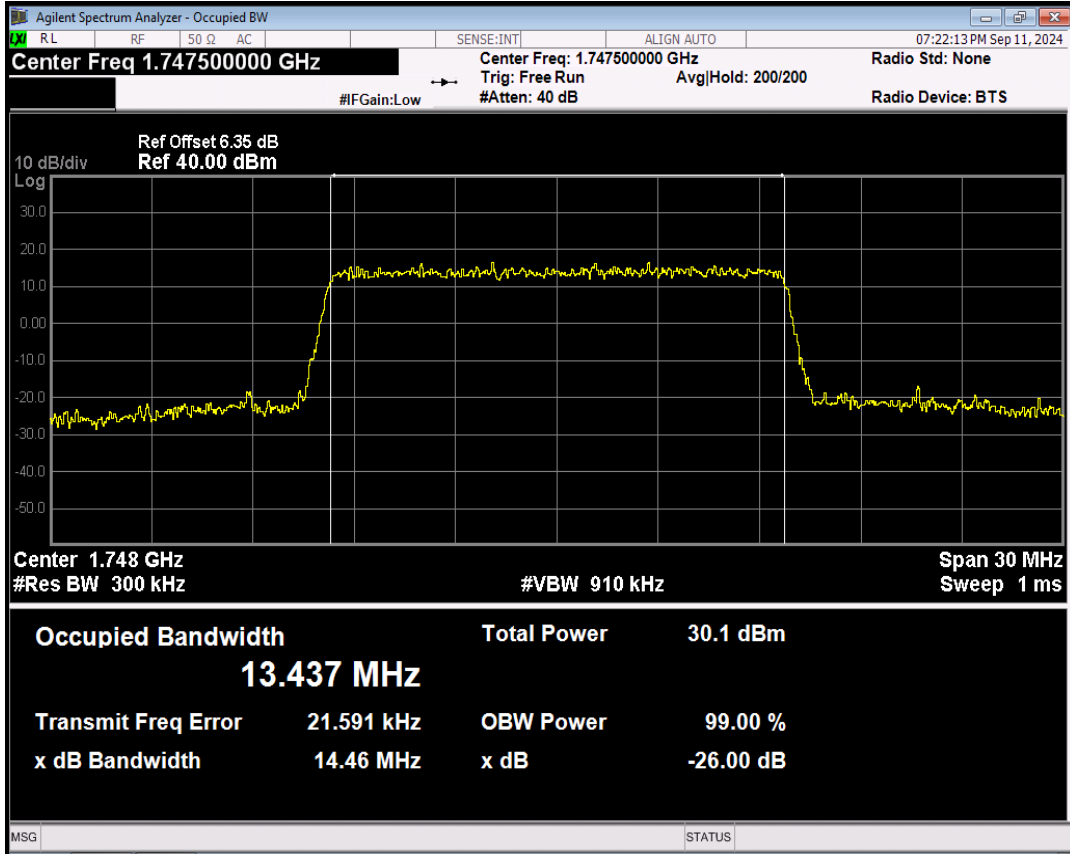
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



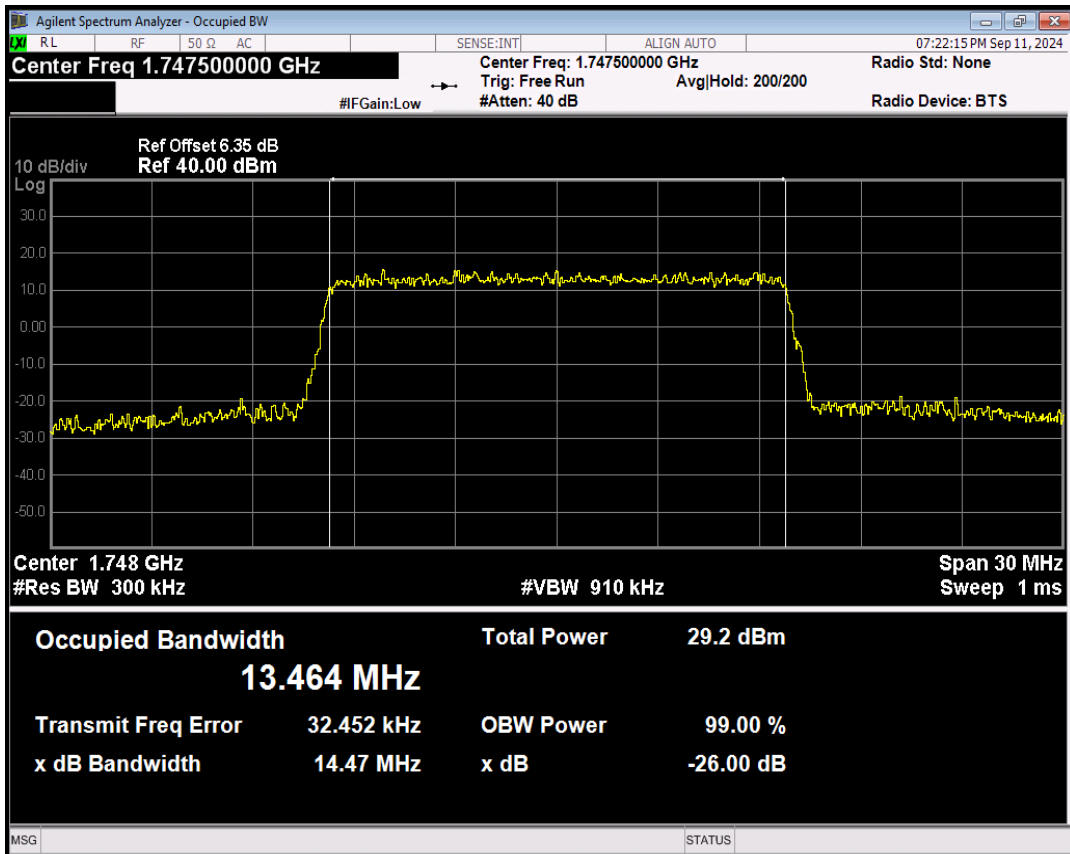
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



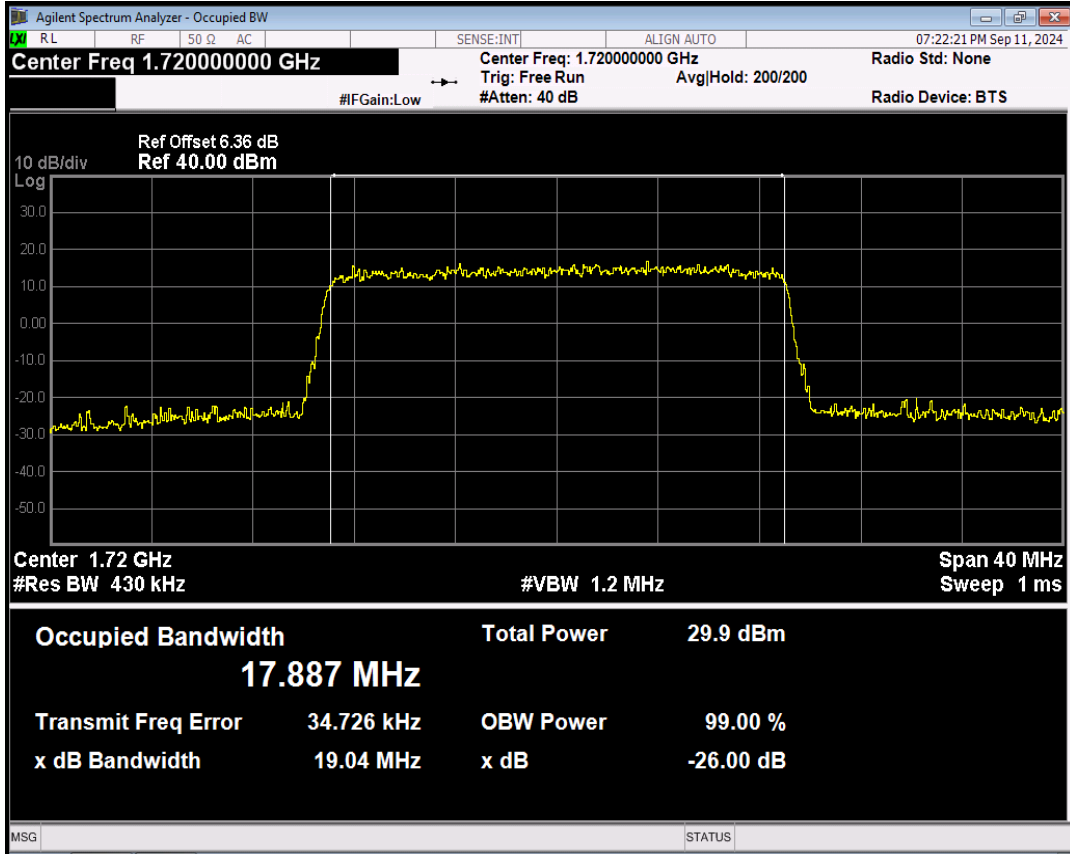
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



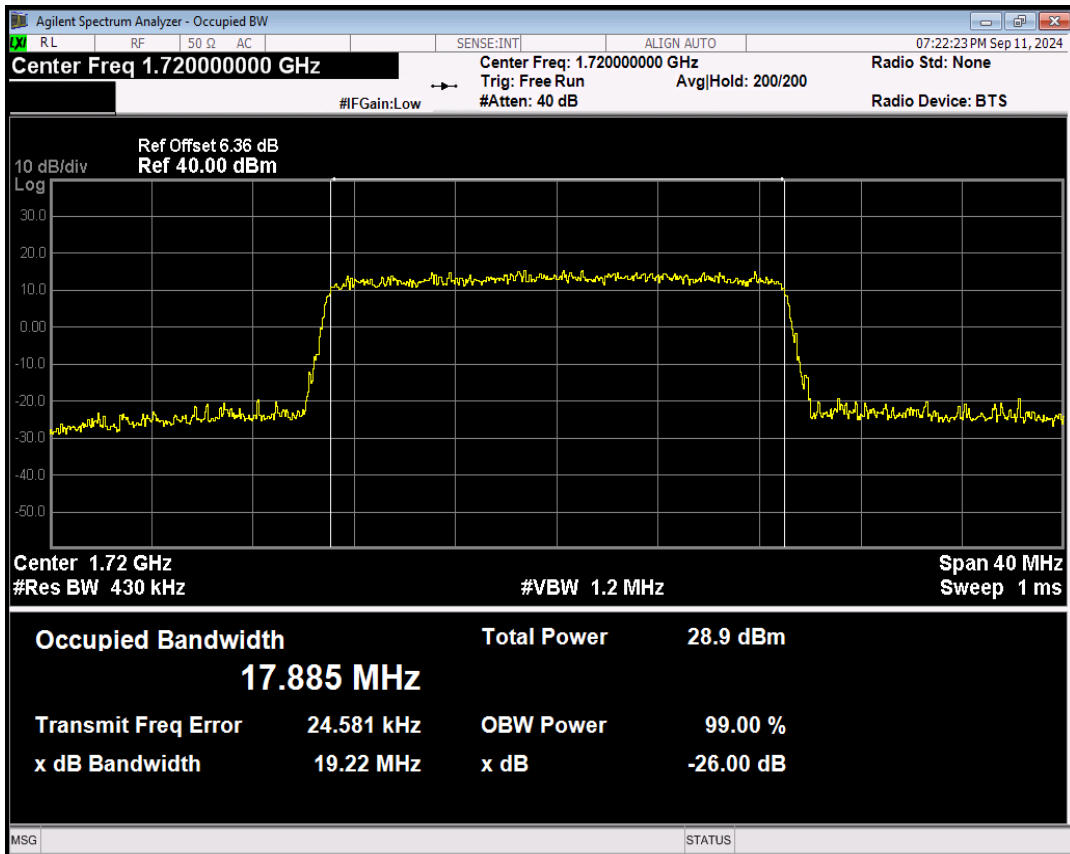
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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

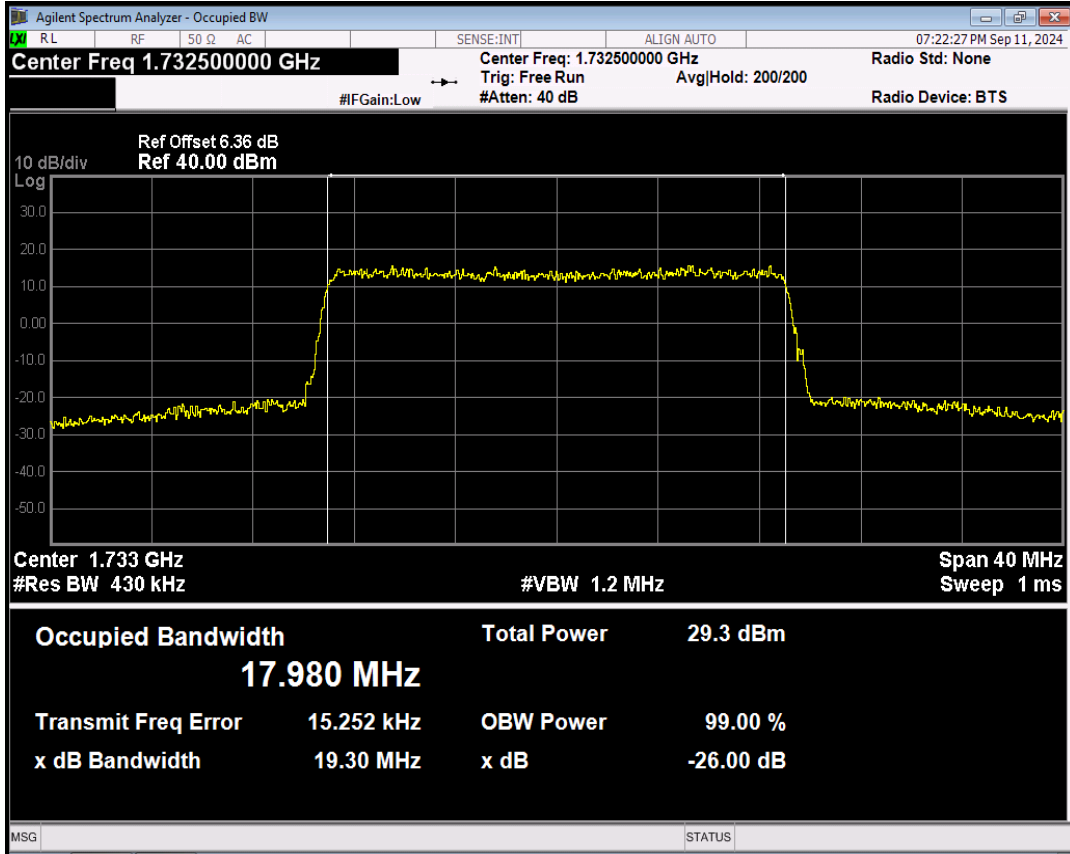


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

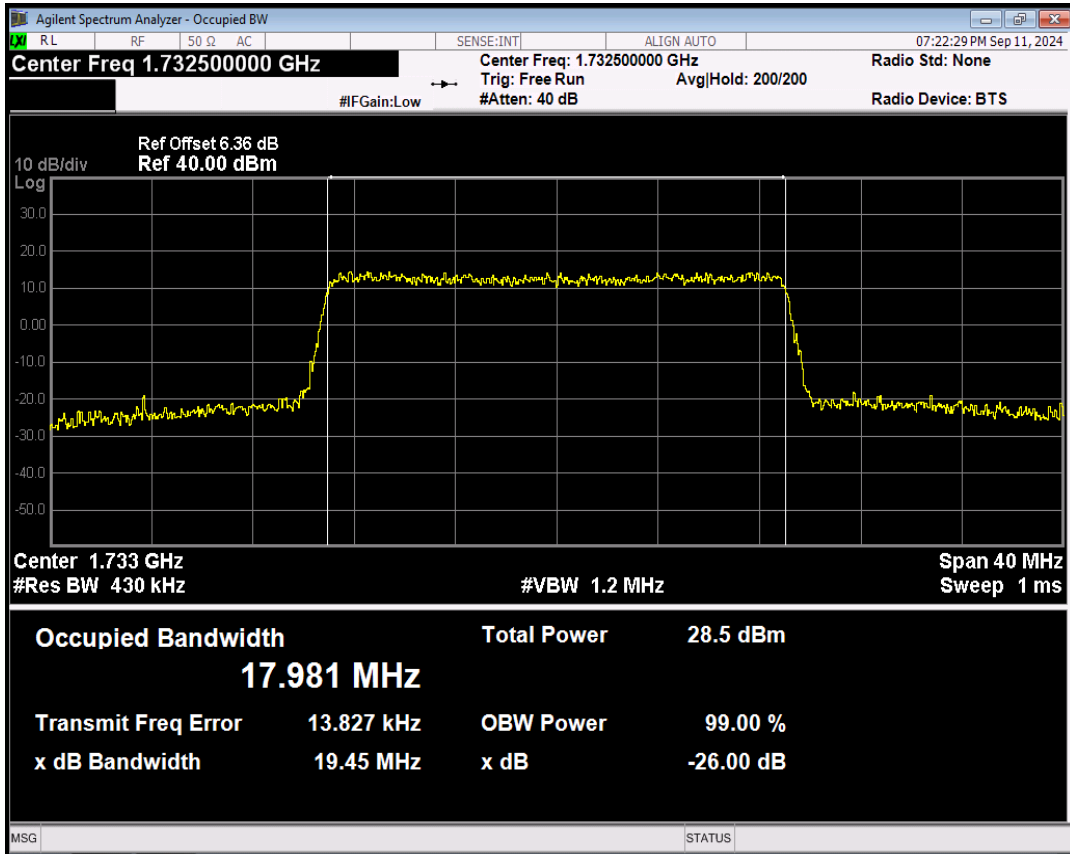


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

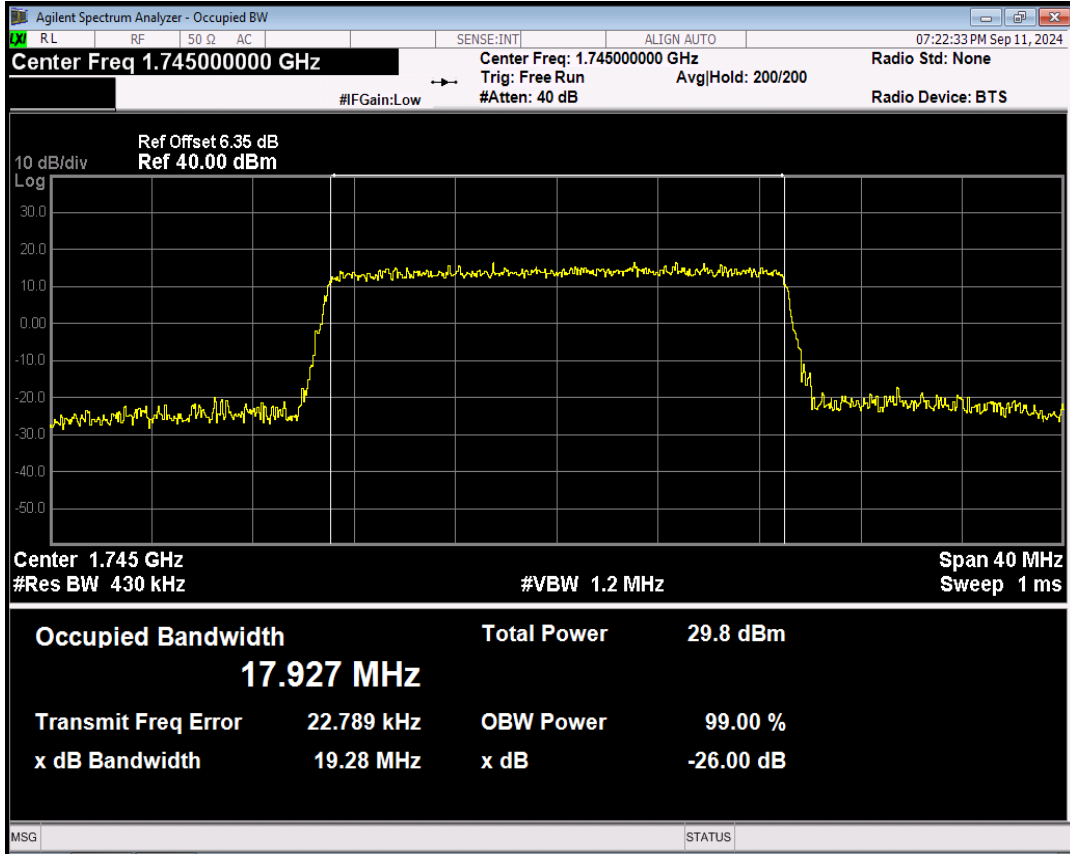




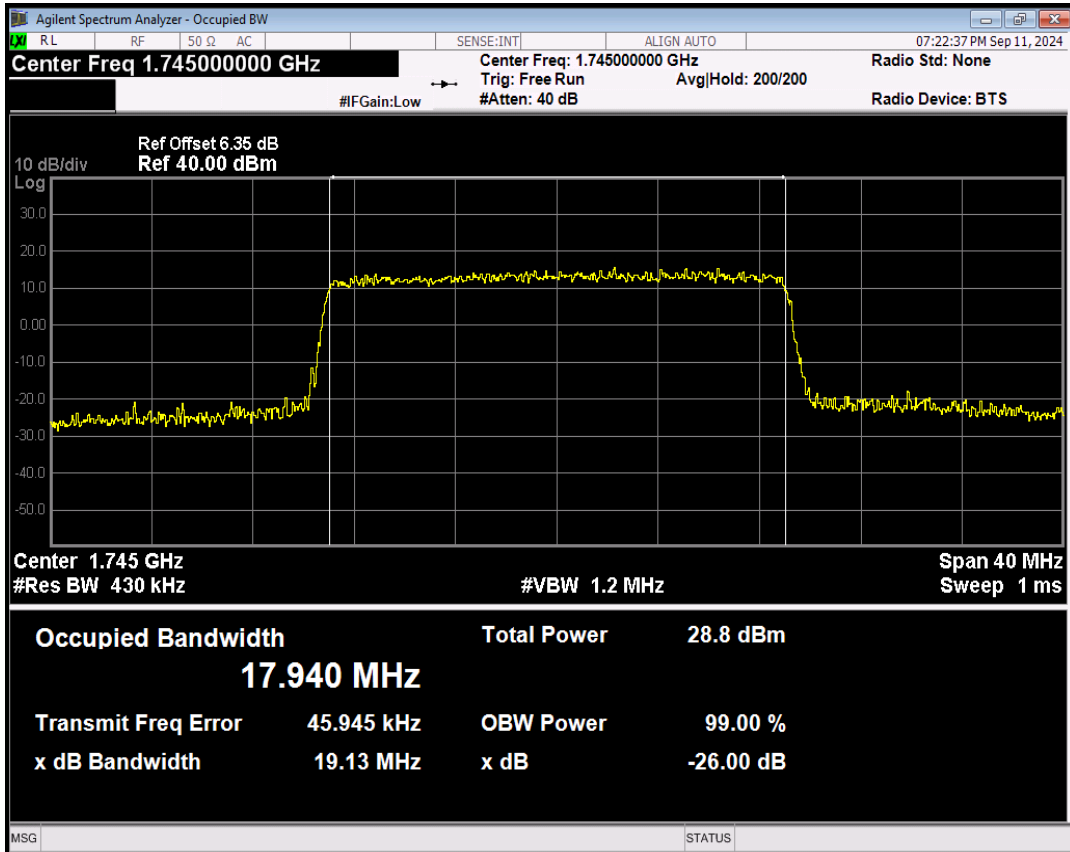
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



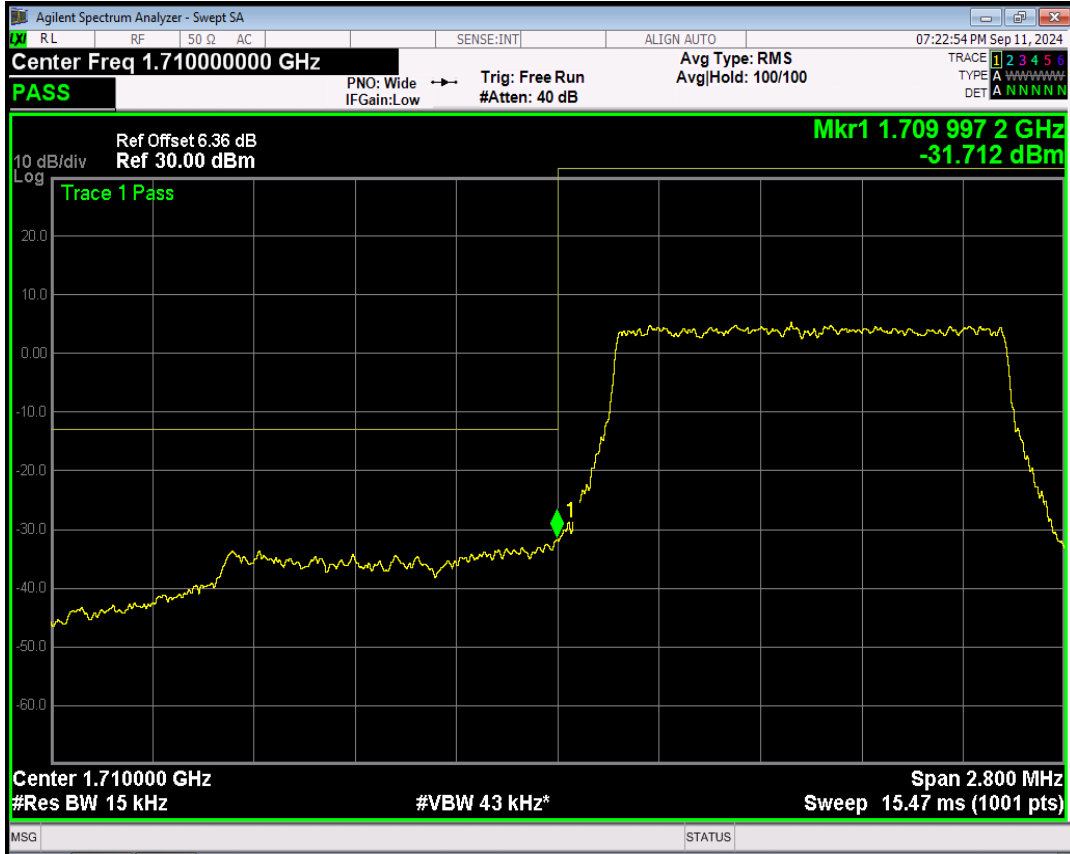
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



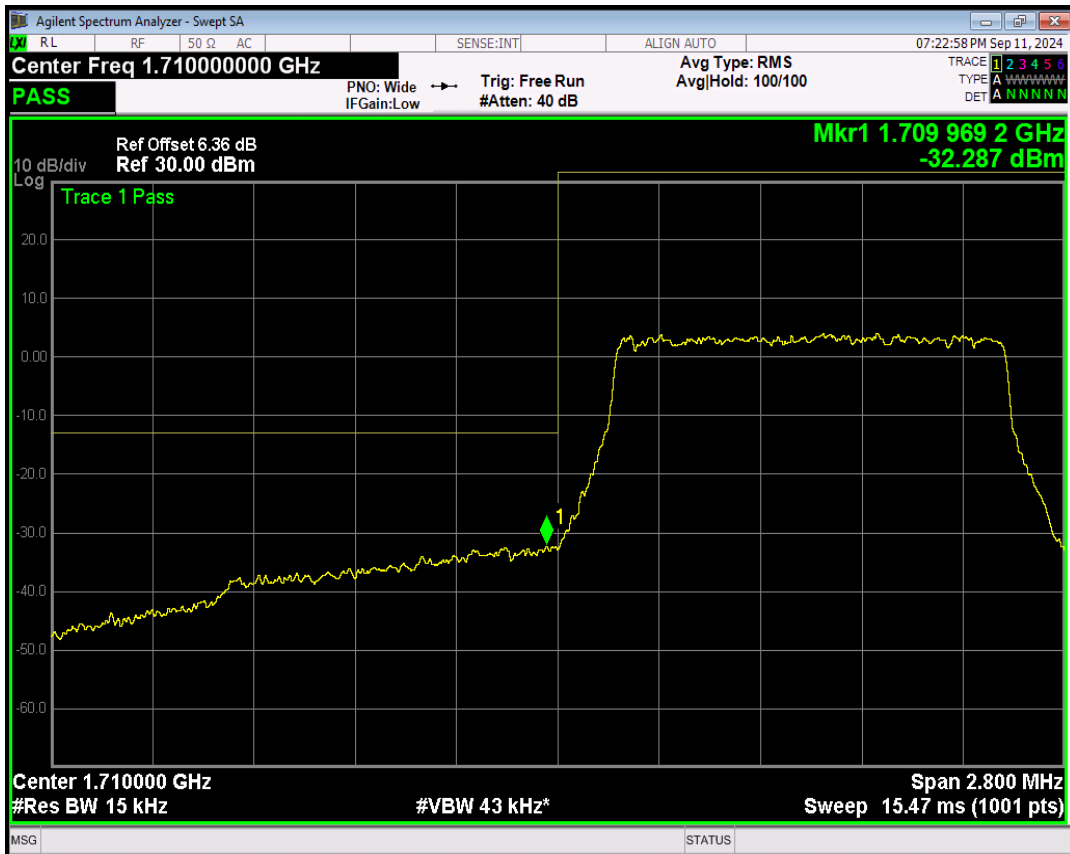
**Appendix 5. Band edge**

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	-31.71	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.97	-32.28	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.04	-30.57	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.07	-31.77	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.98	-29.87	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-29.19	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-30.18	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-30.55	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-33.47	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-31.98	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.01	-32.33	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-32.52	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-34.09	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-34.29	-13	PASS
Band4	10	20350	50	#0	QPSK	1763.40	-33.55	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.34	-33.44	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.52	-33.15	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.88	-35.40	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.48	-30.81	-13	PASS
Band4	15	20325	75	#0	16QAM	1756.74	-32.65	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.08	-34.74	-13	PASS
Band4	20	20050	100	#0	16QAM	1710.00	-33.81	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.88	-33.41	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.04	-32.77	-13	PASS

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



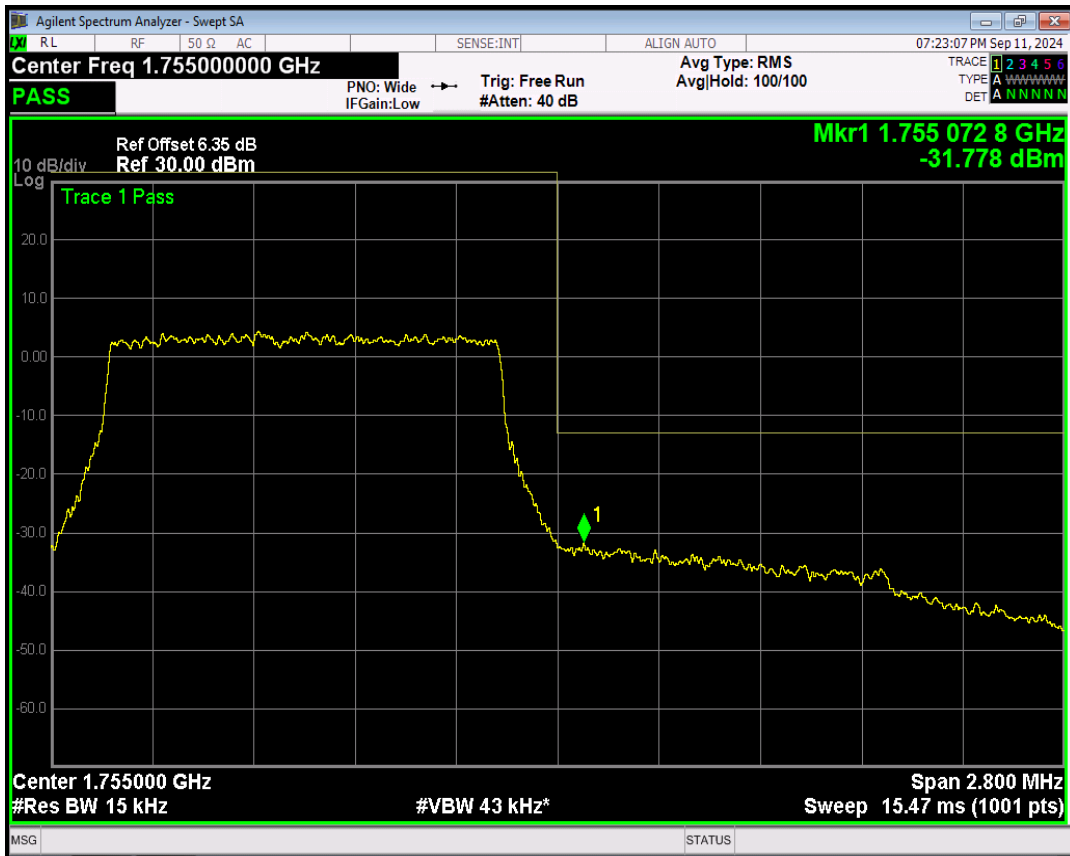
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



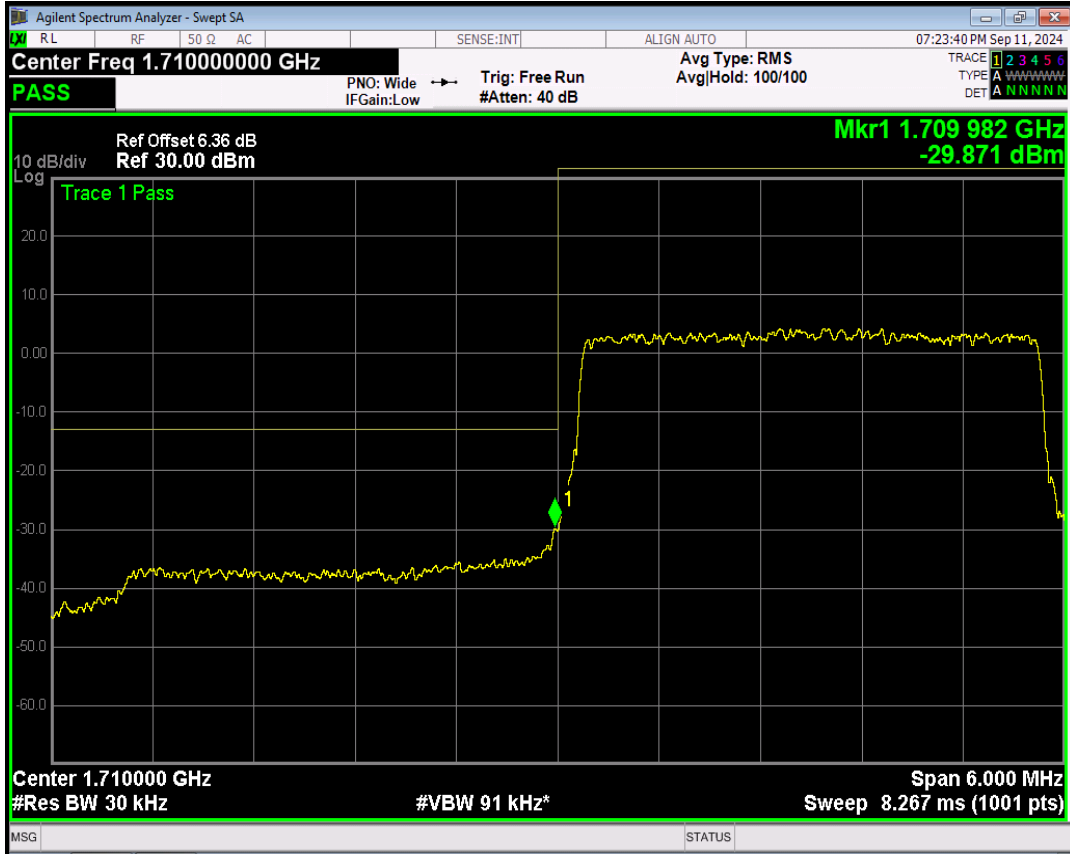
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



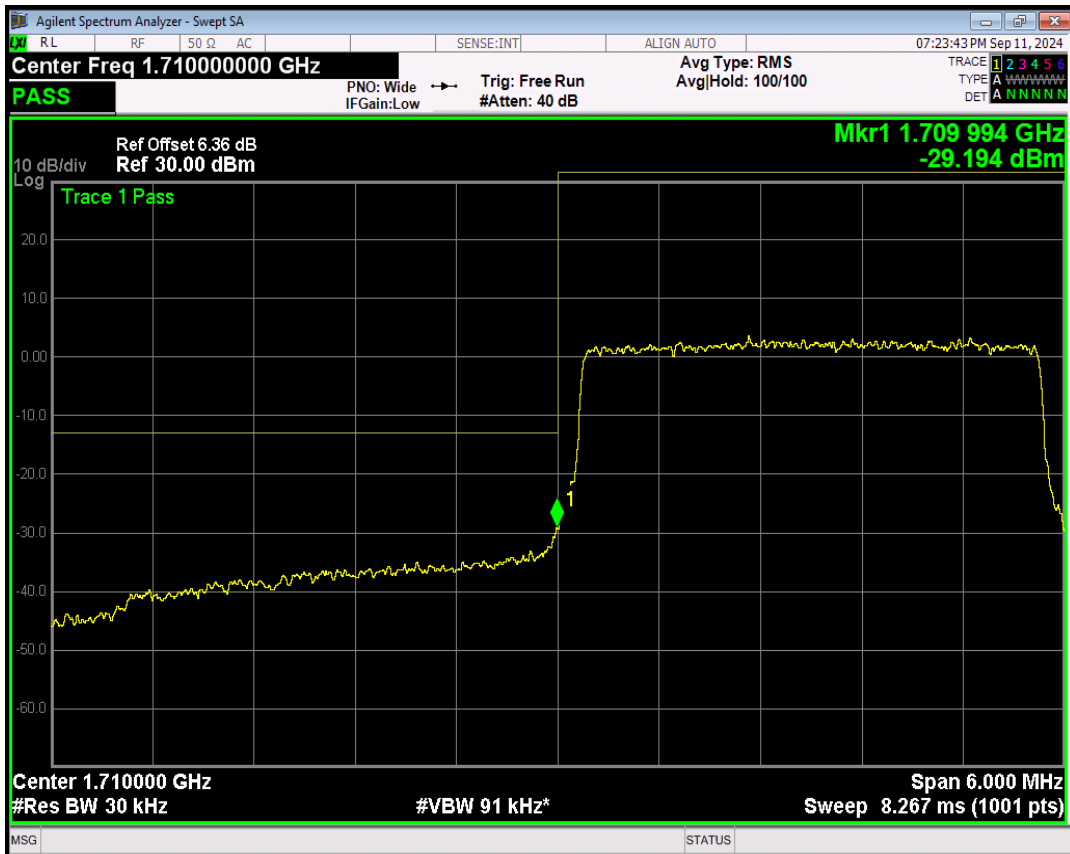
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



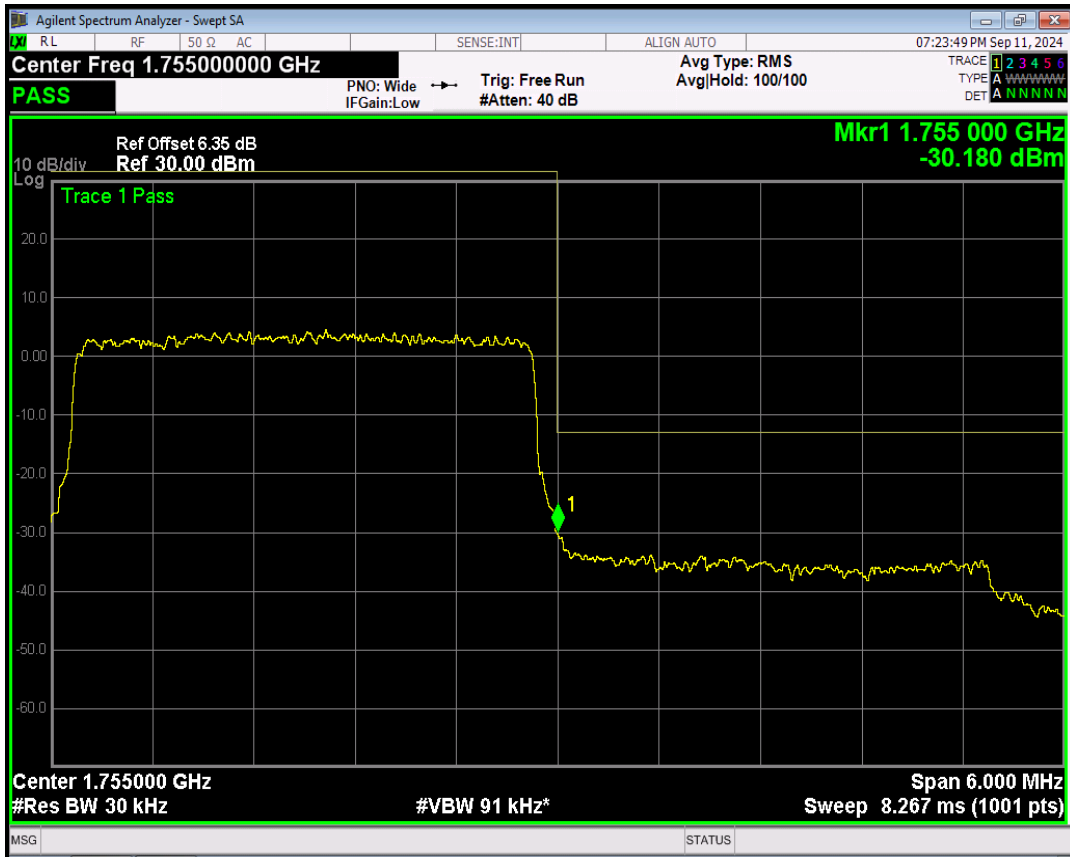
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



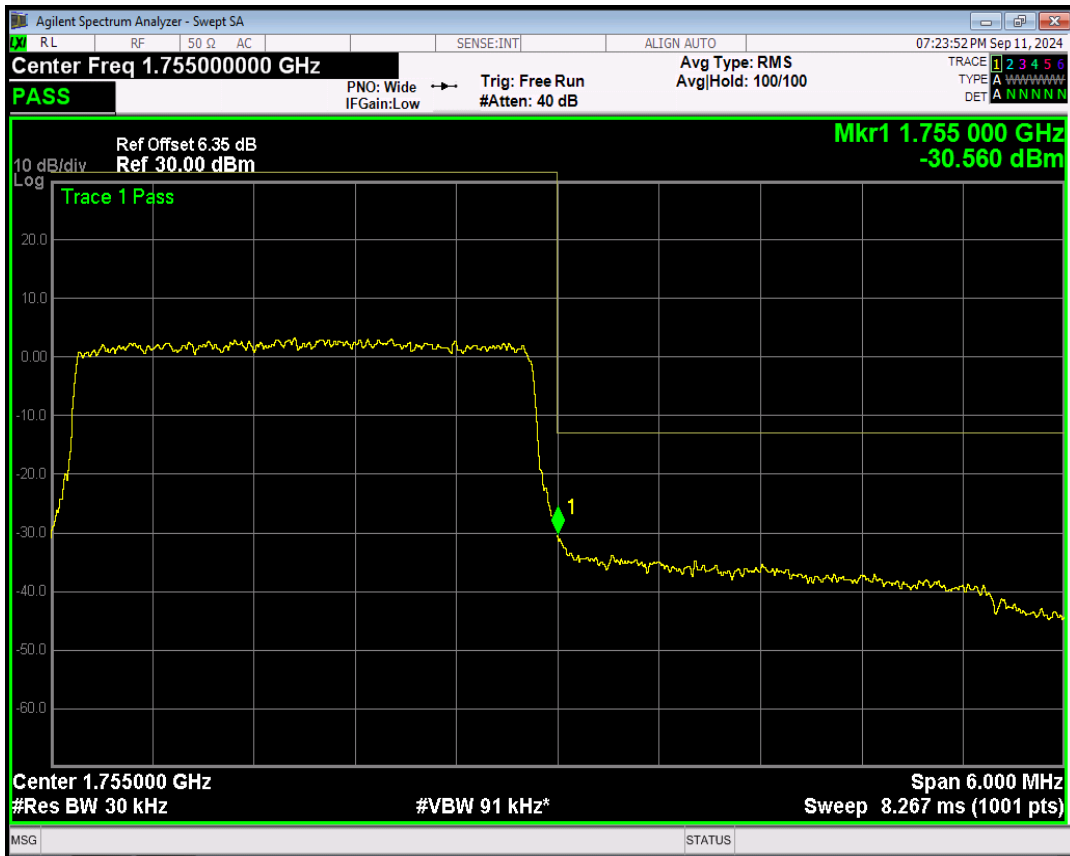
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



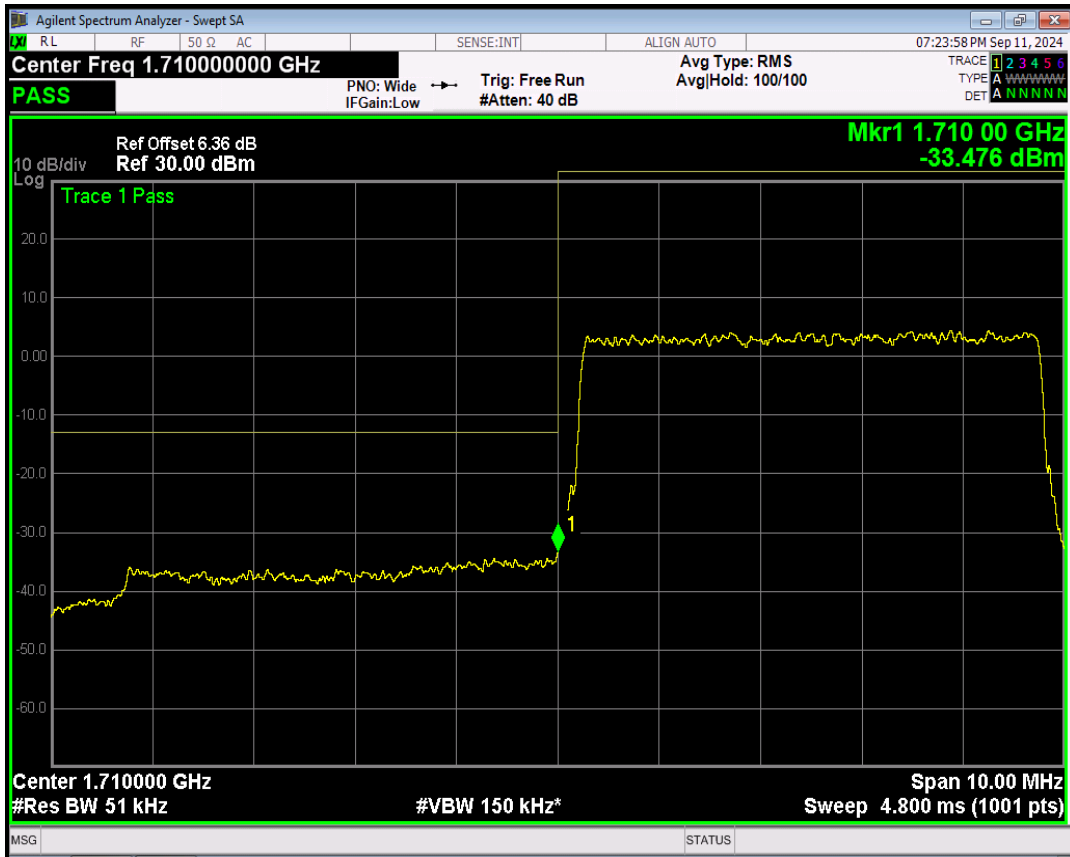
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



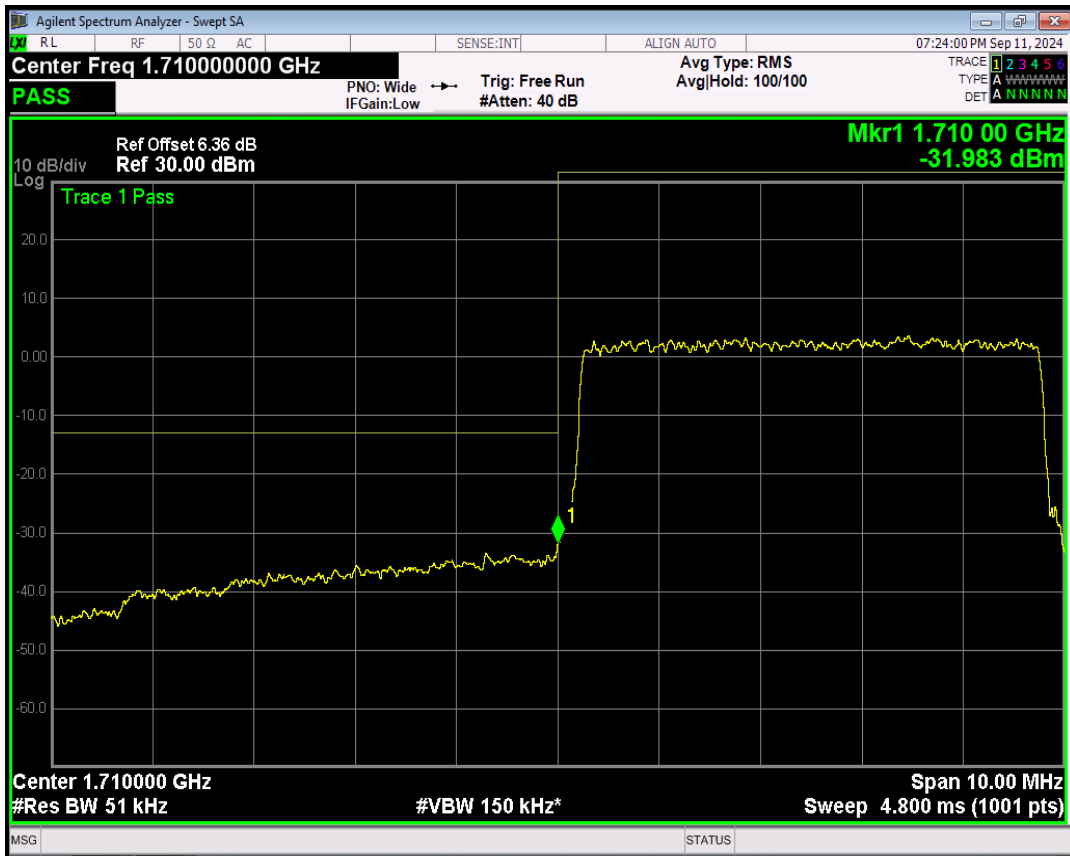
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



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

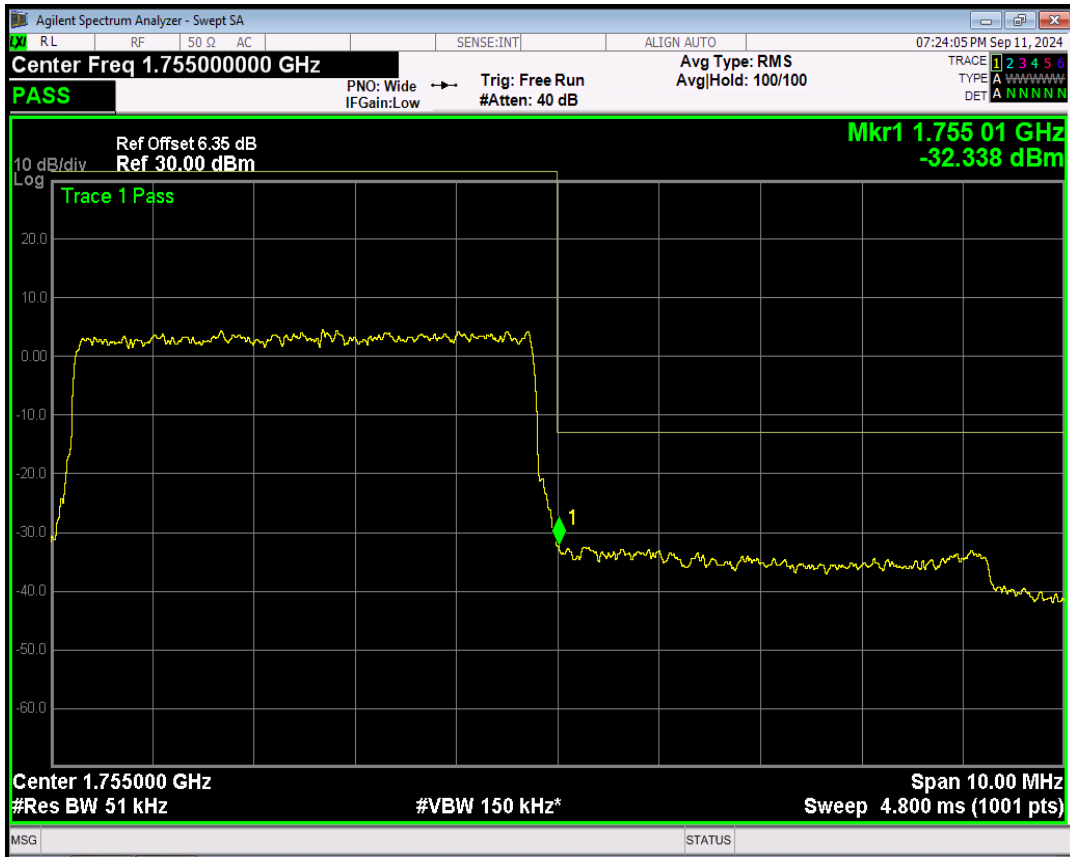


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

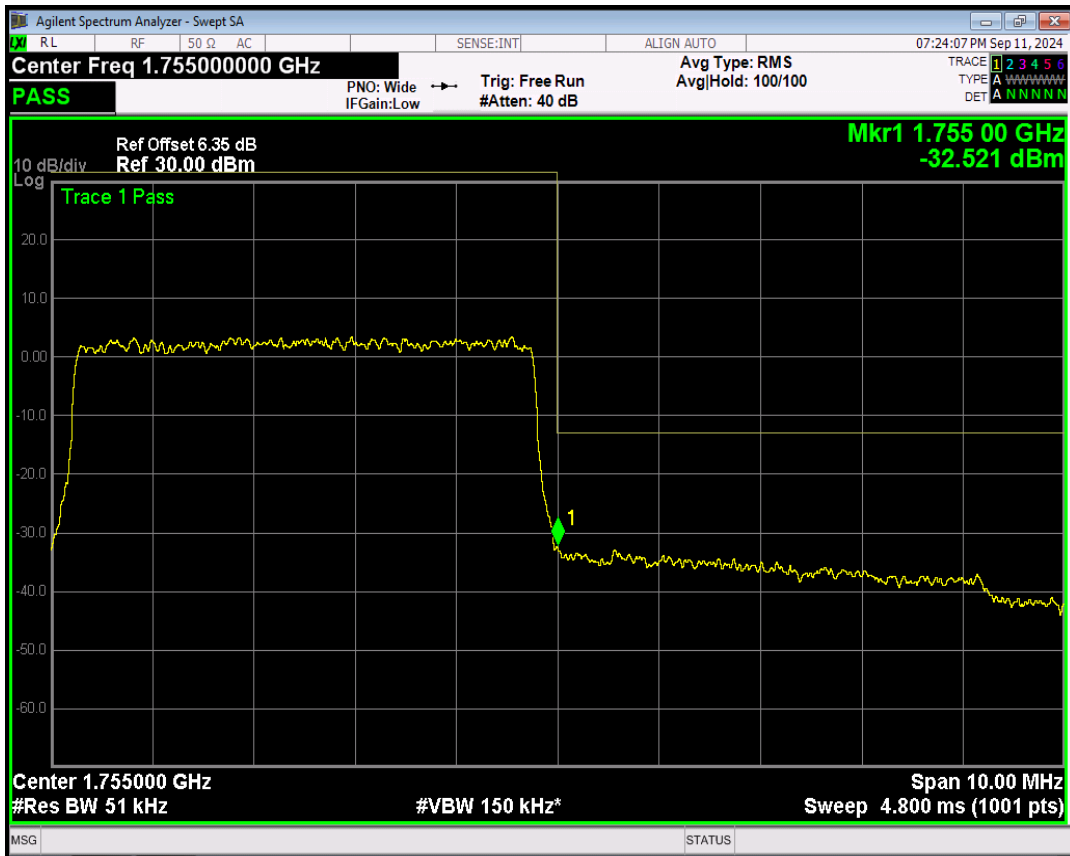


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

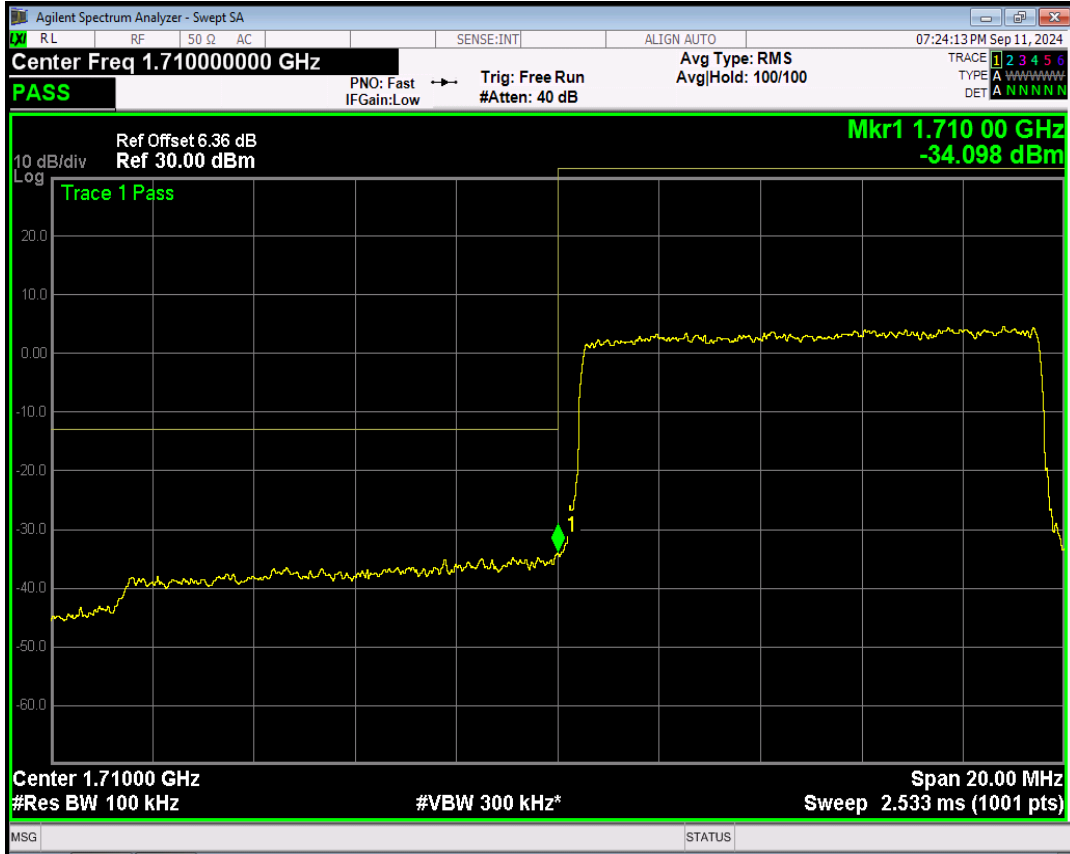




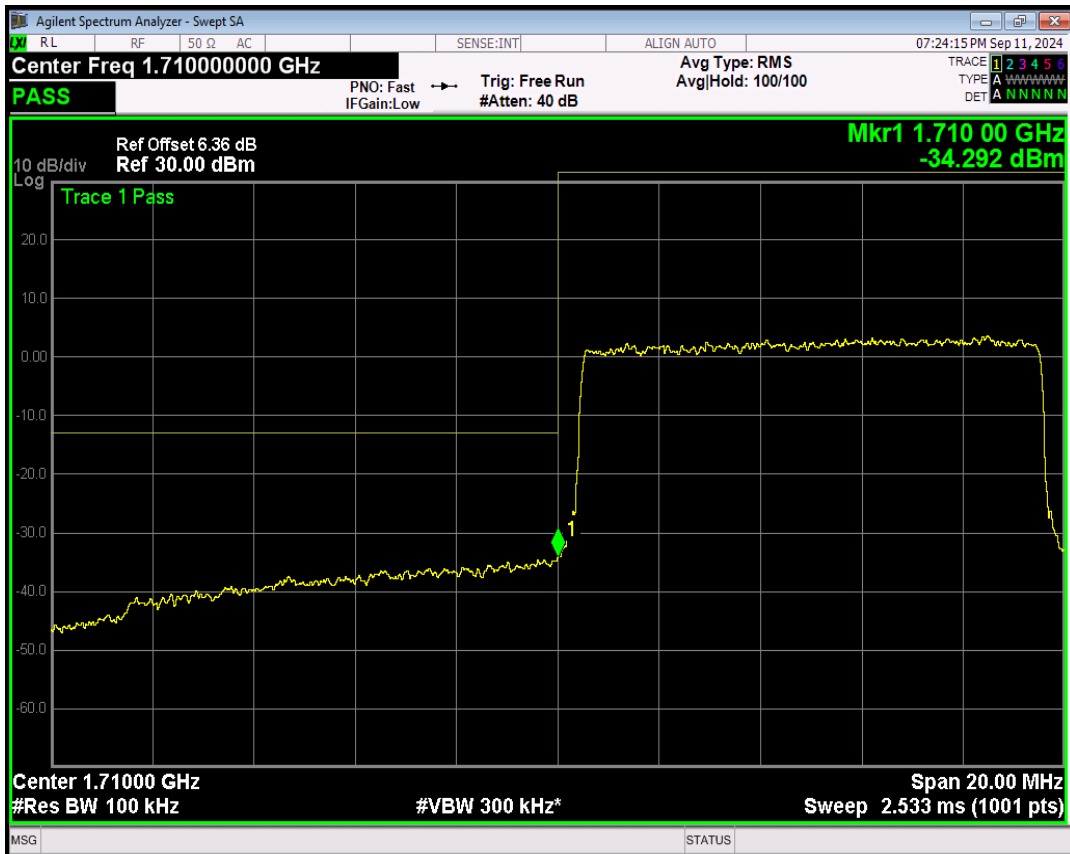
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



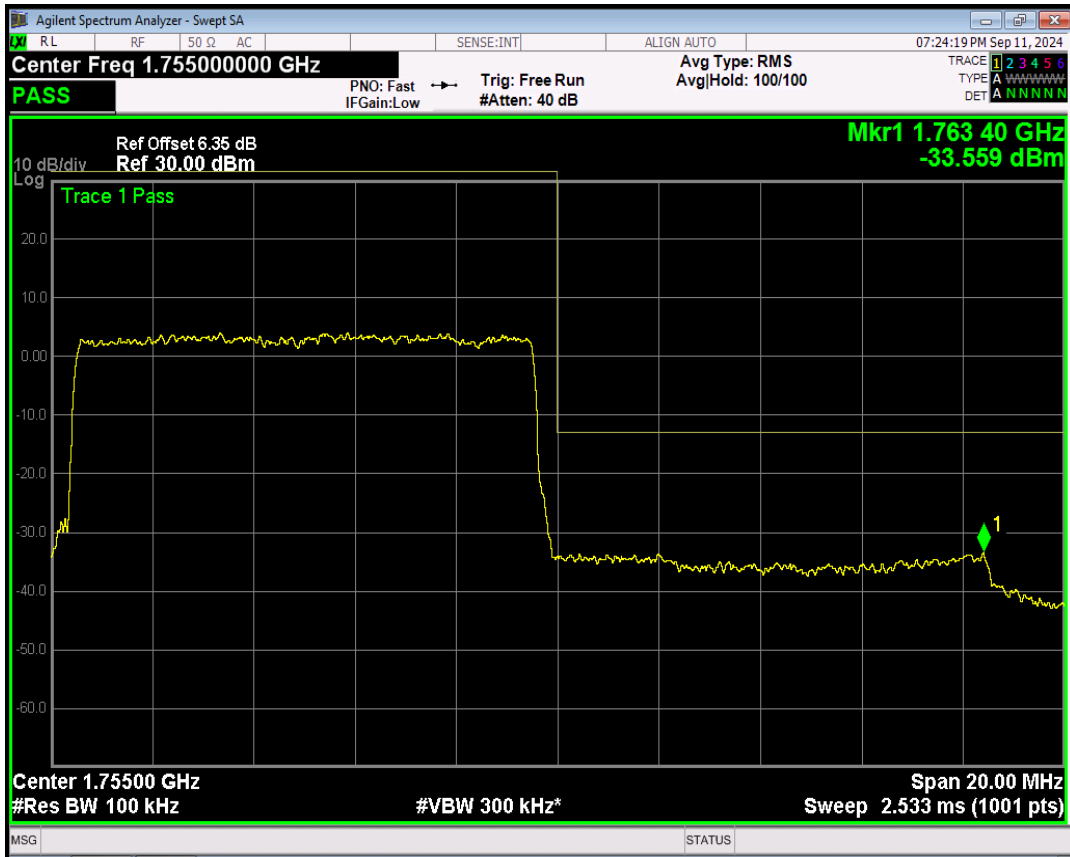
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



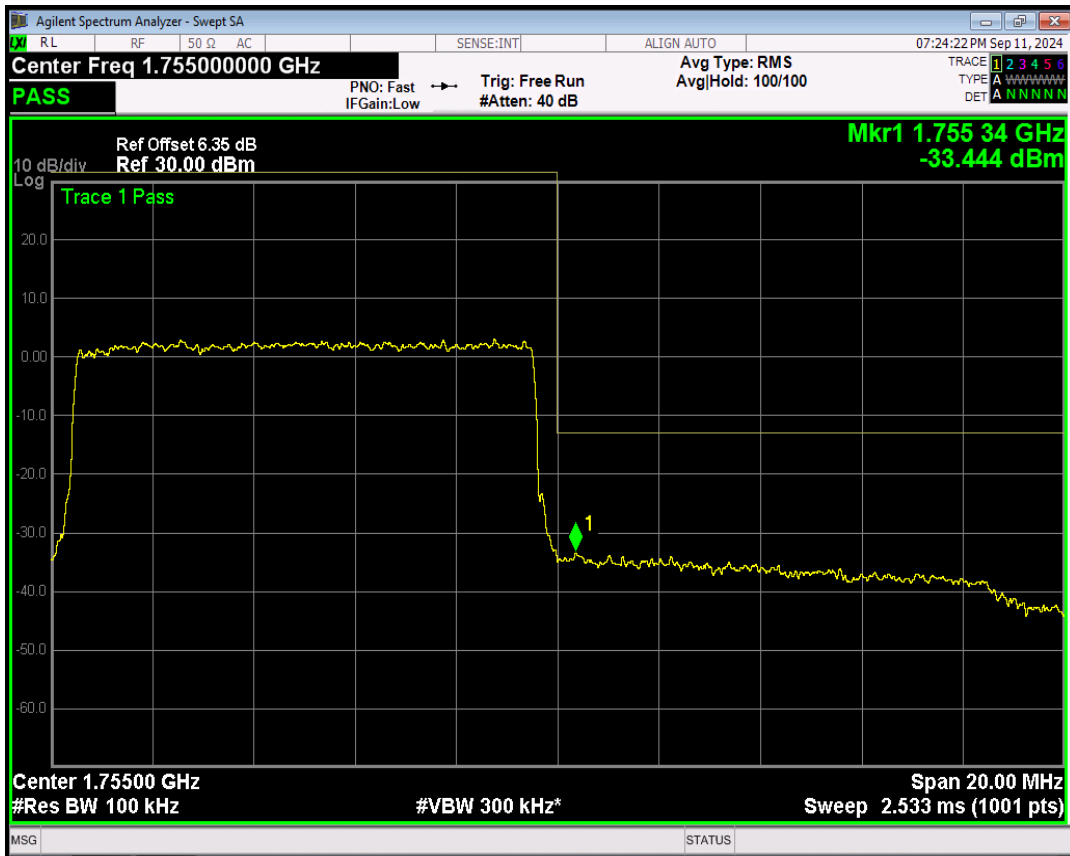
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



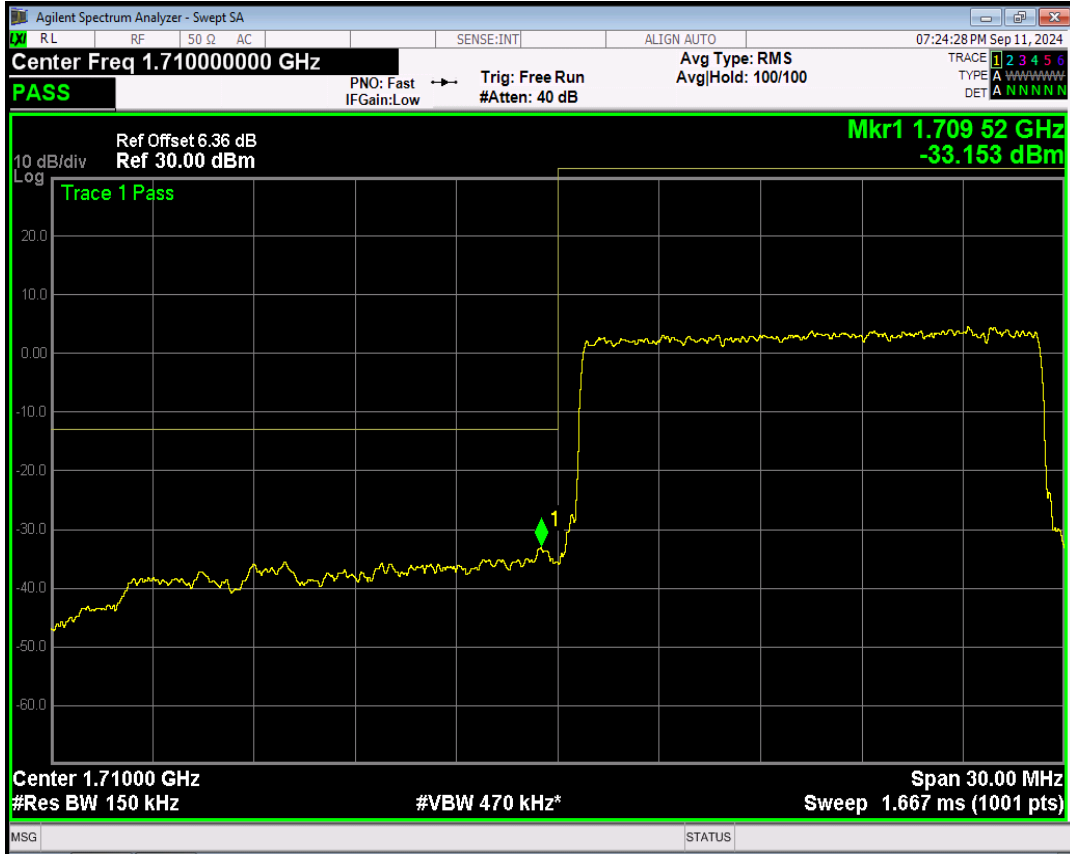
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



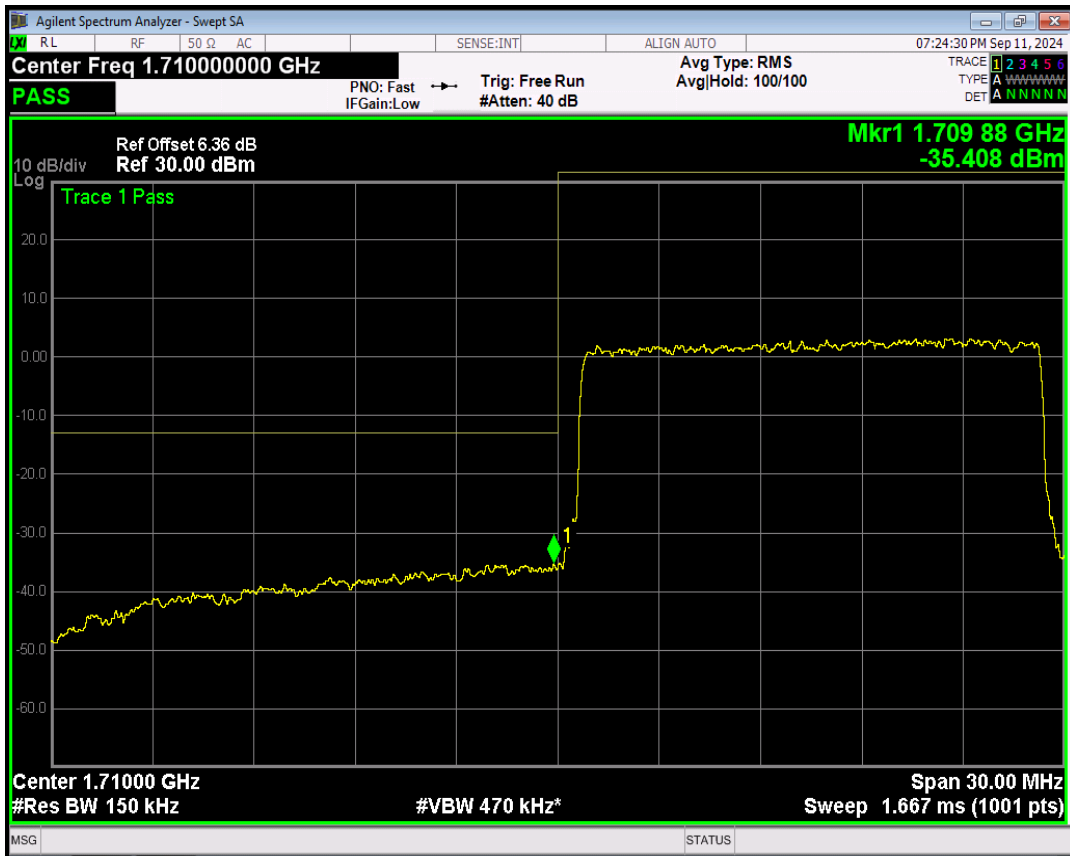
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



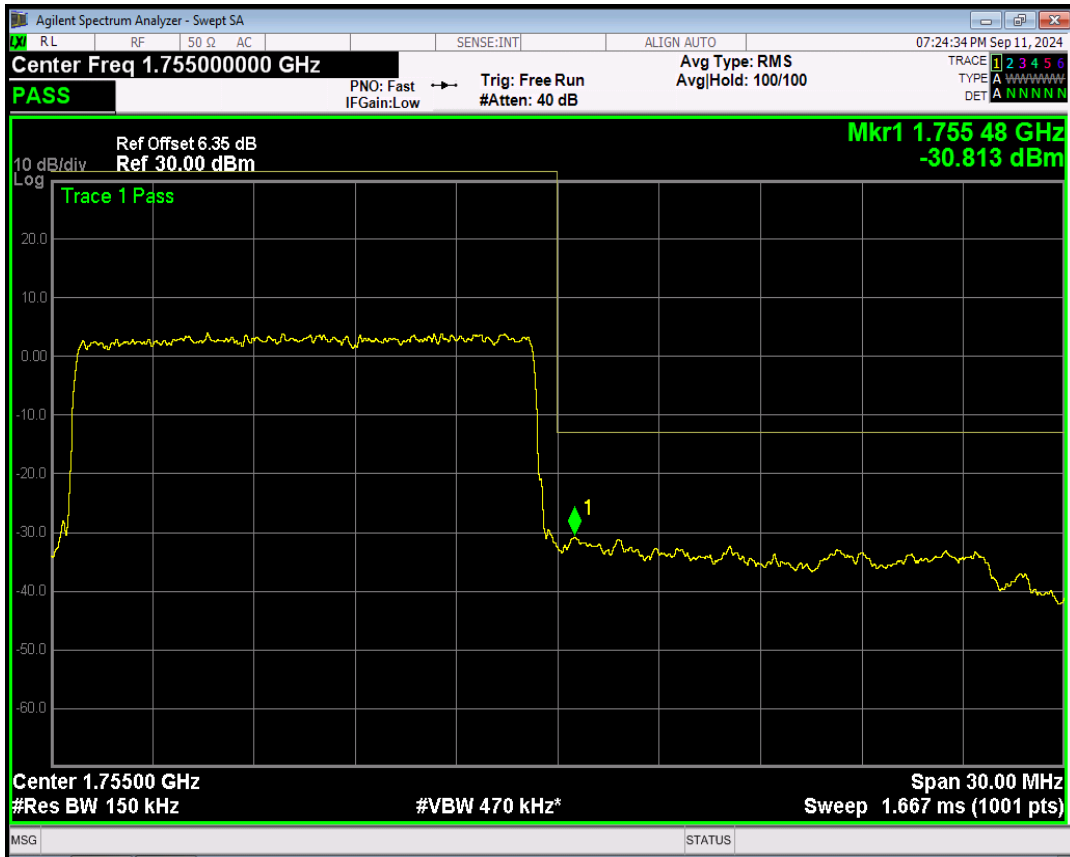
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



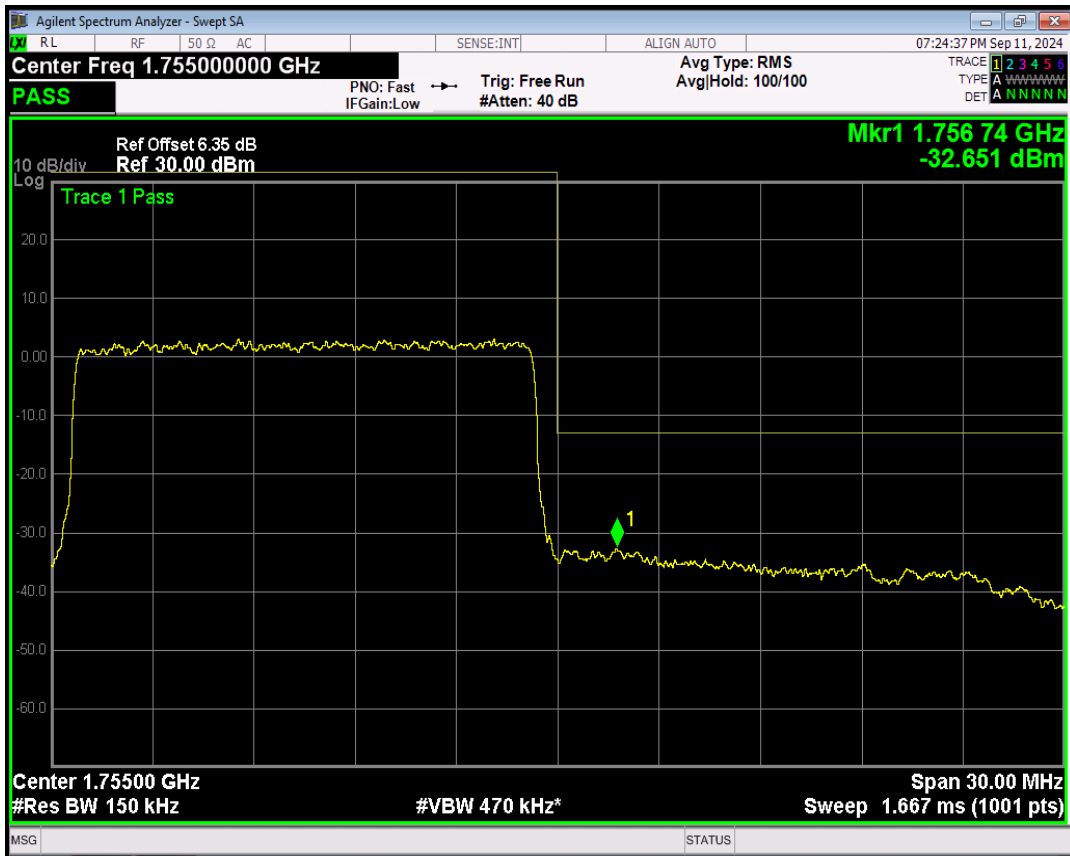
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



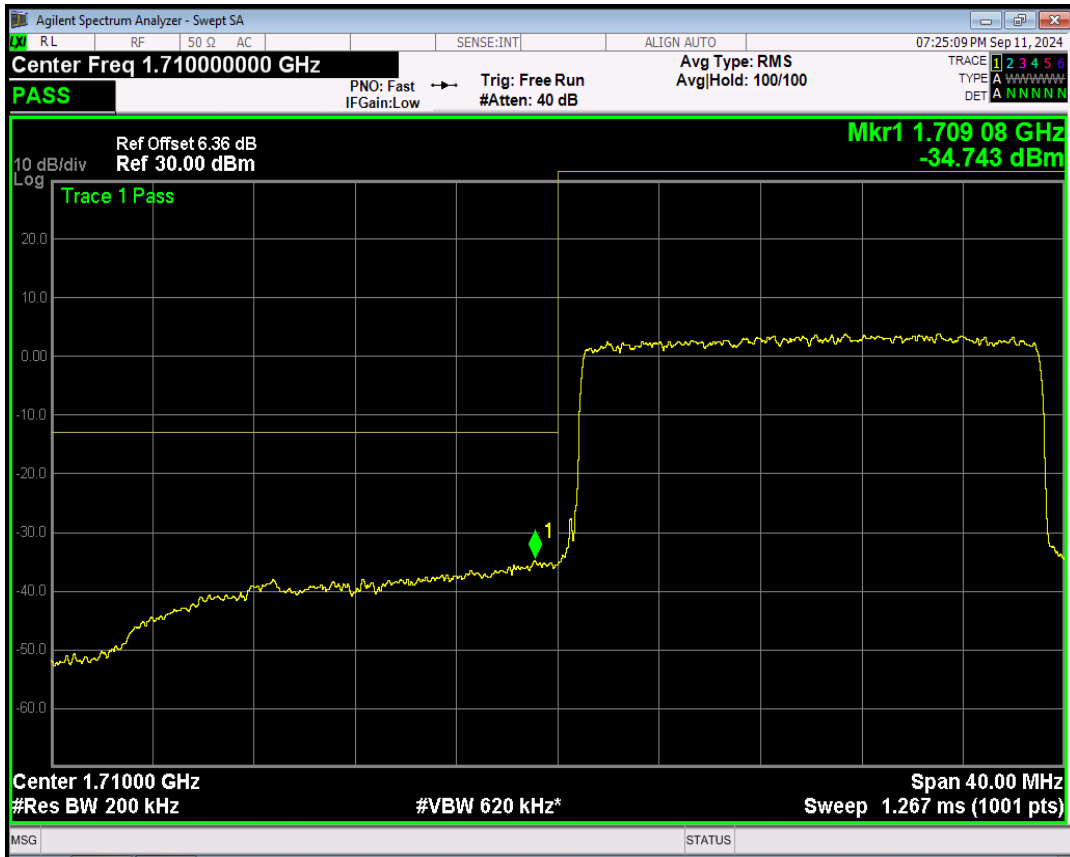
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



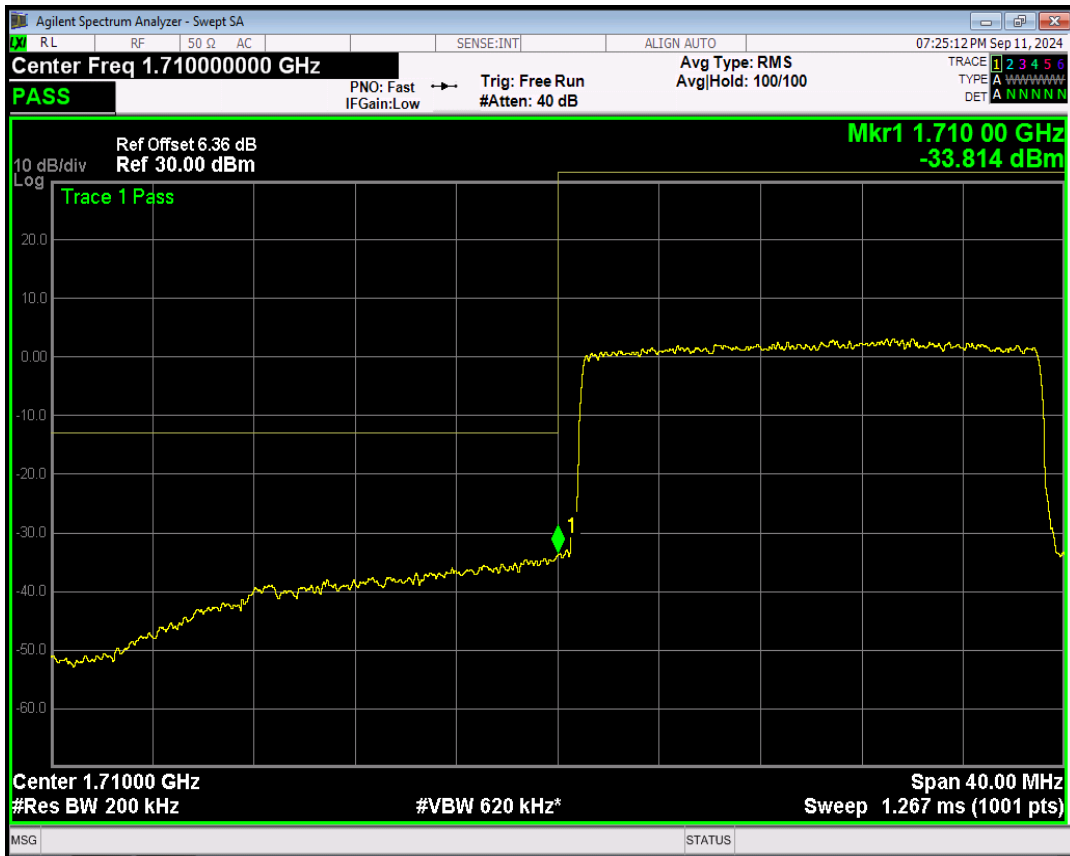
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



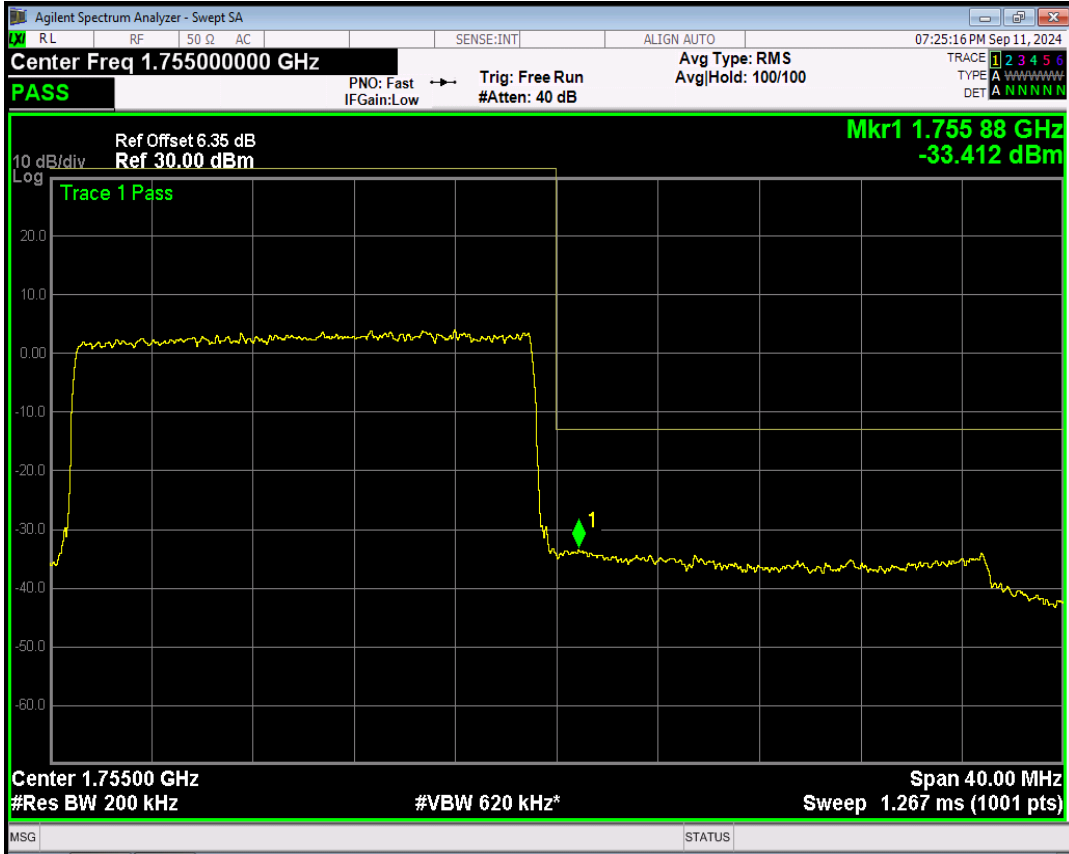
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



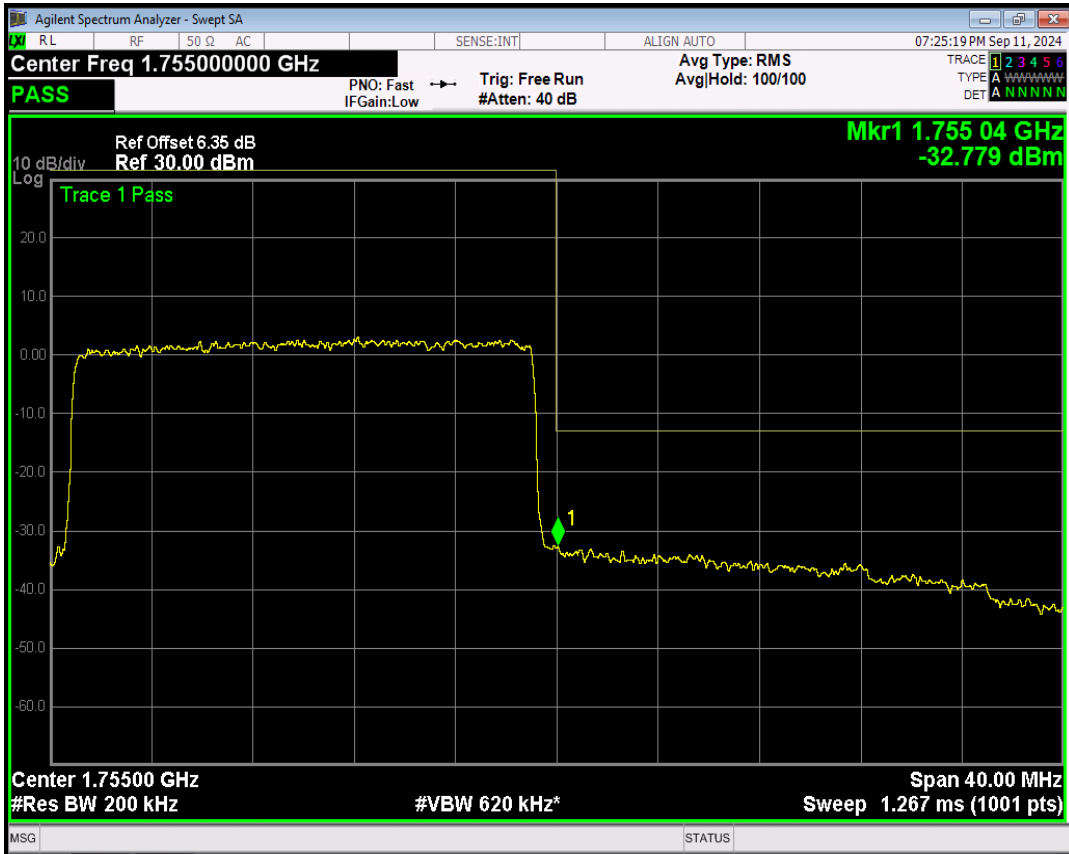
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



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

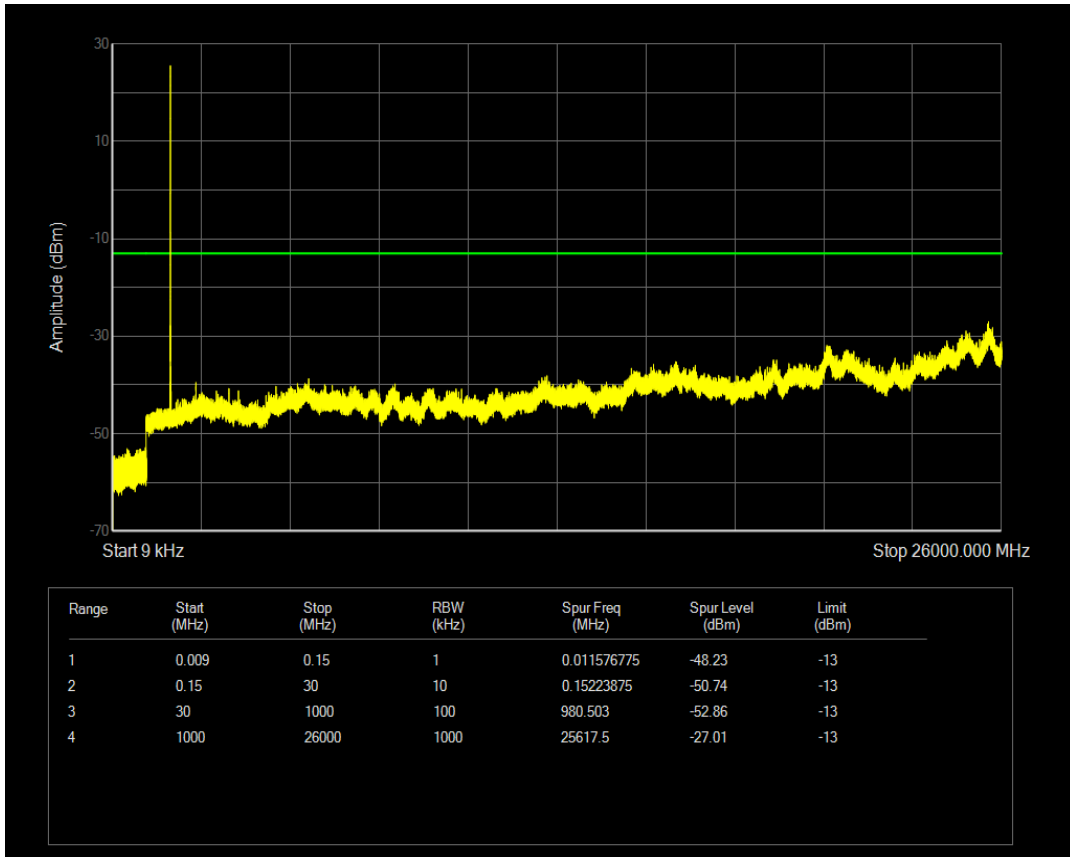


**Appendix 6. Out-of-band emissions**

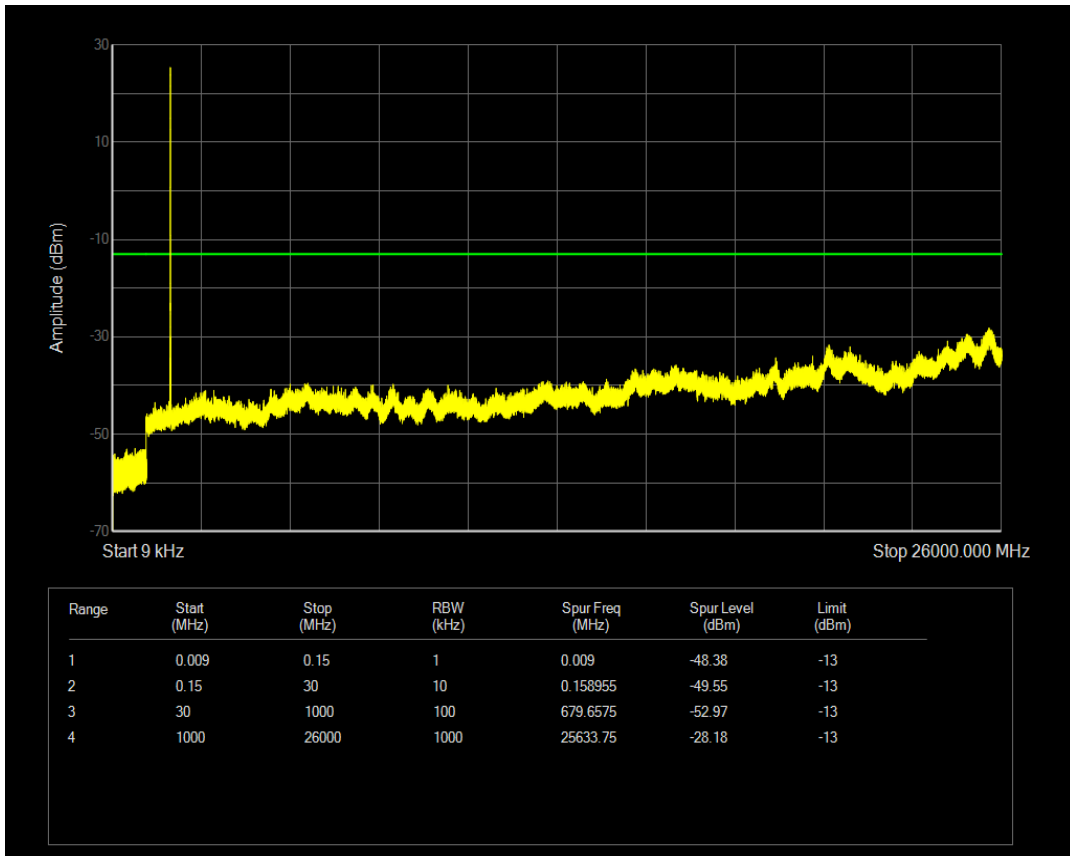
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25617.50	-27.01	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25633.75	-28.18	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25644.38	-27.36	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25657.50	-27.83	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25699.38	-27.41	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25682.50	-27.51	-13	PASS
Band4	3	19965	15	#0	QPSK	25621.25	-27.71	-13	PASS
Band4	3	19965	15	#0	16QAM	25672.50	-27.62	-13	PASS
Band4	3	20175	15	#0	QPSK	25688.13	-27.43	-13	PASS
Band4	3	20175	15	#0	16QAM	25621.88	-27.56	-13	PASS
Band4	3	20385	15	#0	QPSK	25685.00	-27.79	-13	PASS
Band4	3	20385	15	#0	16QAM	25735.00	-27.74	-13	PASS
Band4	5	19975	25	#0	QPSK	25745.00	-27.05	-13	PASS
Band4	5	19975	25	#0	16QAM	25629.38	-27.66	-13	PASS
Band4	5	20175	25	#0	QPSK	25630.00	-27.72	-13	PASS
Band4	5	20175	25	#0	16QAM	25597.50	-27.91	-13	PASS
Band4	5	20375	25	#0	QPSK	25686.25	-28.13	-13	PASS
Band4	5	20375	25	#0	16QAM	25650.63	-27.47	-13	PASS
Band4	10	20000	50	#0	QPSK	25608.13	-27.29	-13	PASS
Band4	10	20000	50	#0	16QAM	25636.25	-26.93	-13	PASS
Band4	10	20175	50	#0	QPSK	25678.75	-27.26	-13	PASS
Band4	10	20175	50	#0	16QAM	25624.38	-27.65	-13	PASS
Band4	10	20350	50	#0	QPSK	25678.13	-27.57	-13	PASS
Band4	10	20350	50	#0	16QAM	25650.63	-27.49	-13	PASS
Band4	15	20025	75	#0	QPSK	25703.75	-27.42	-13	PASS
Band4	15	20025	75	#0	16QAM	25606.25	-26.13	-13	PASS
Band4	15	20175	75	#0	QPSK	25666.88	-27.99	-13	PASS
Band4	15	20175	75	#0	16QAM	25641.25	-27.47	-13	PASS
Band4	15	20325	75	#0	QPSK	25721.88	-27.64	-13	PASS
Band4	15	20325	75	#0	16QAM	25660.63	-26.42	-13	PASS
Band4	20	20050	100	#0	QPSK	25649.38	-26.78	-13	PASS
Band4	20	20050	100	#0	16QAM	25660.63	-28.09	-13	PASS
Band4	20	20175	100	#0	QPSK	25588.13	-28.03	-13	PASS
Band4	20	20175	100	#0	16QAM	25636.25	-27.72	-13	PASS
Band4	20	20300	100	#0	QPSK	25631.25	-27.97	-13	PASS
Band4	20	20300	100	#0	16QAM	25669.38	-27.85	-13	PASS

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

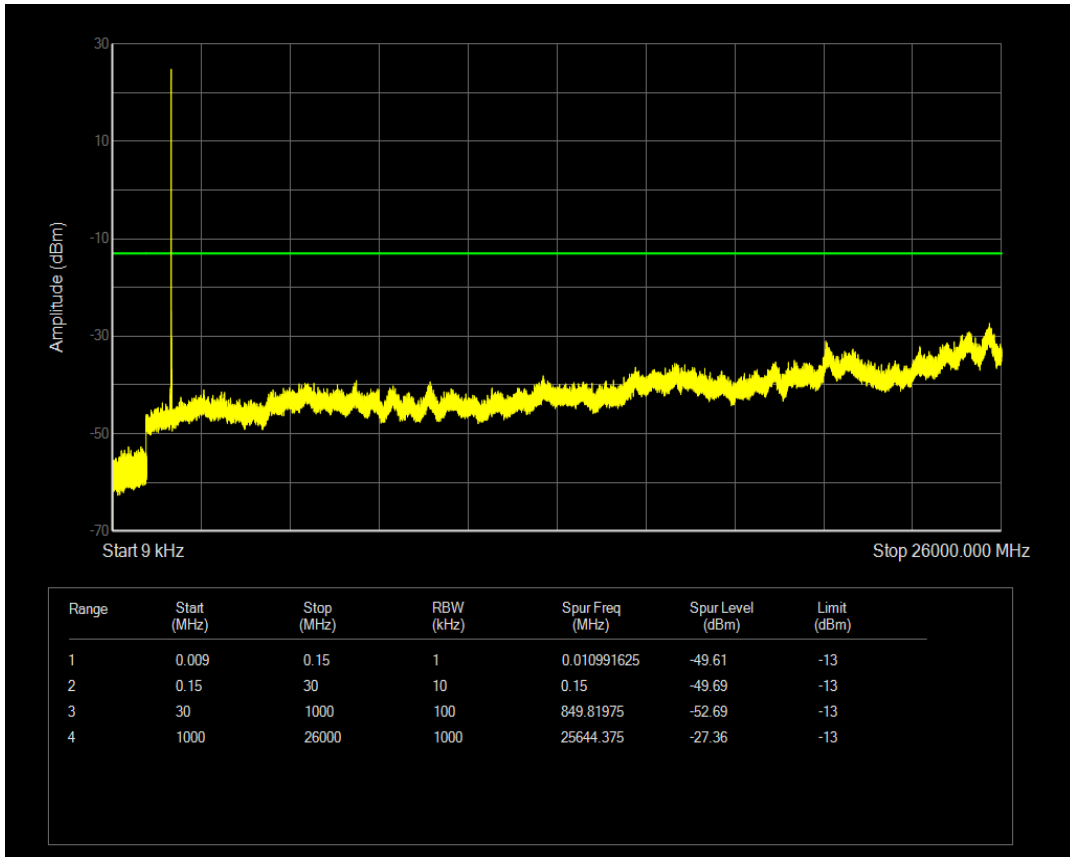




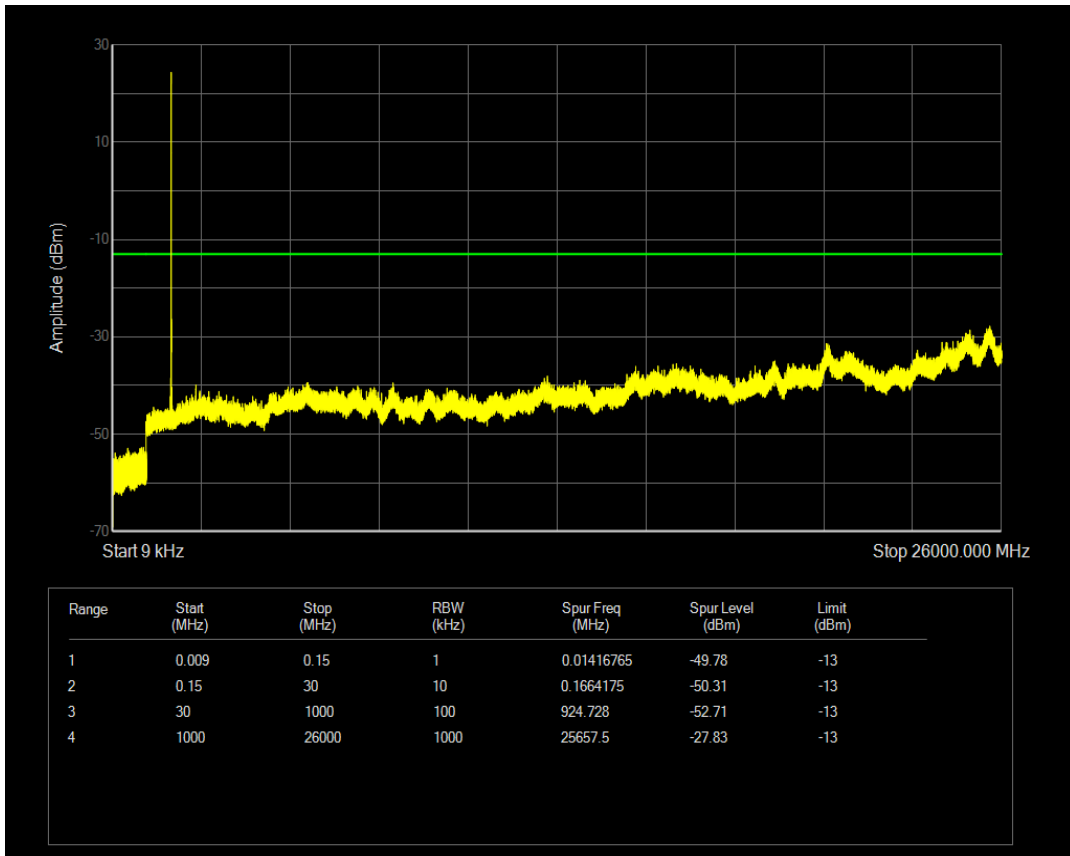
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



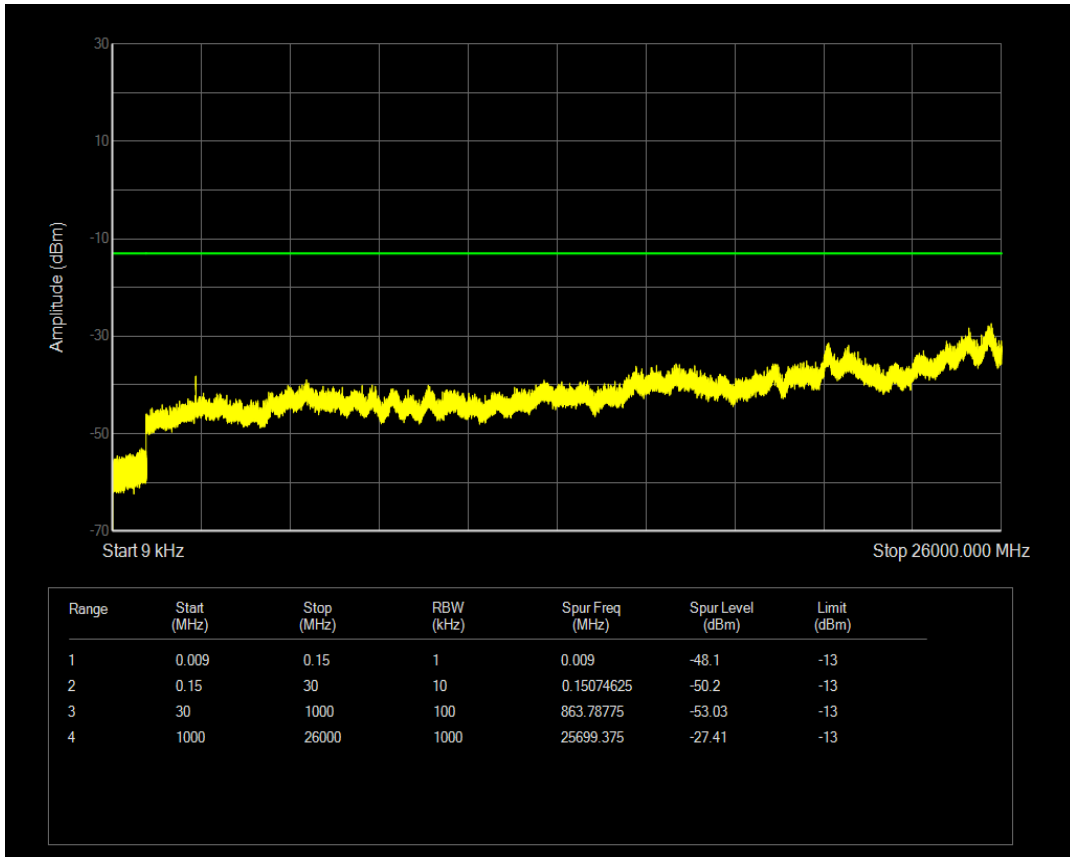
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



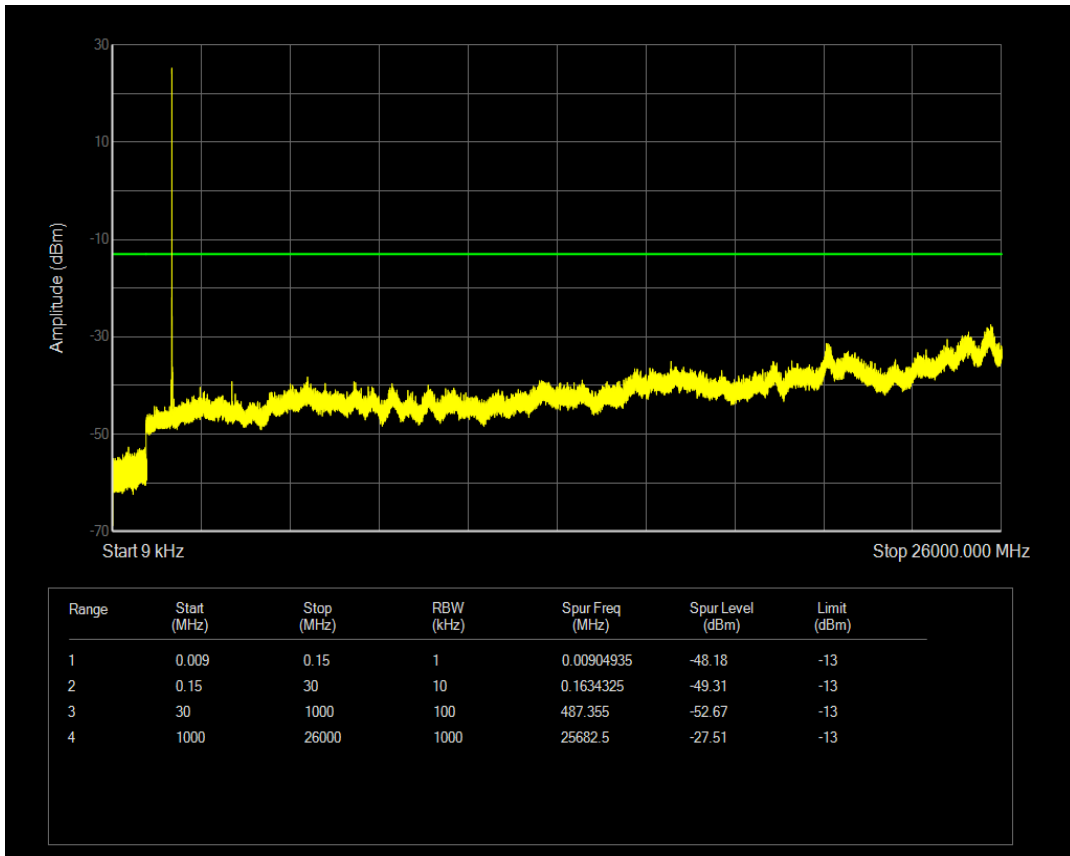
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



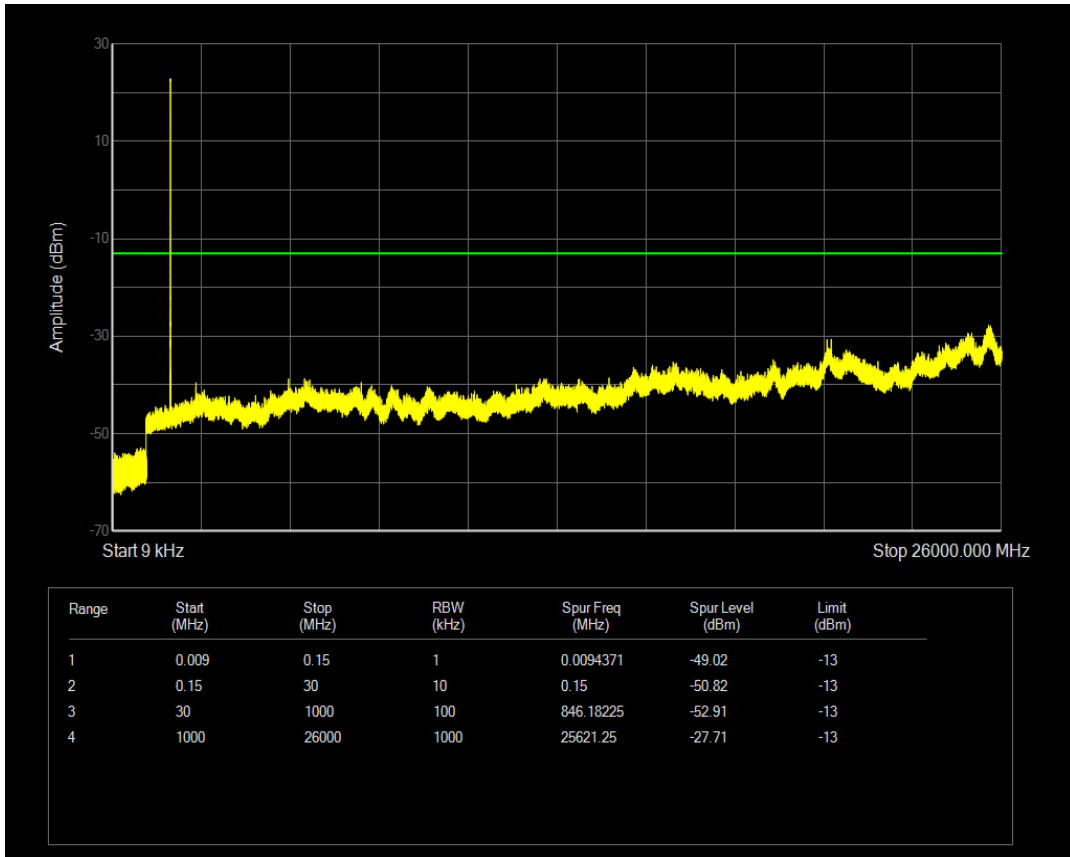
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



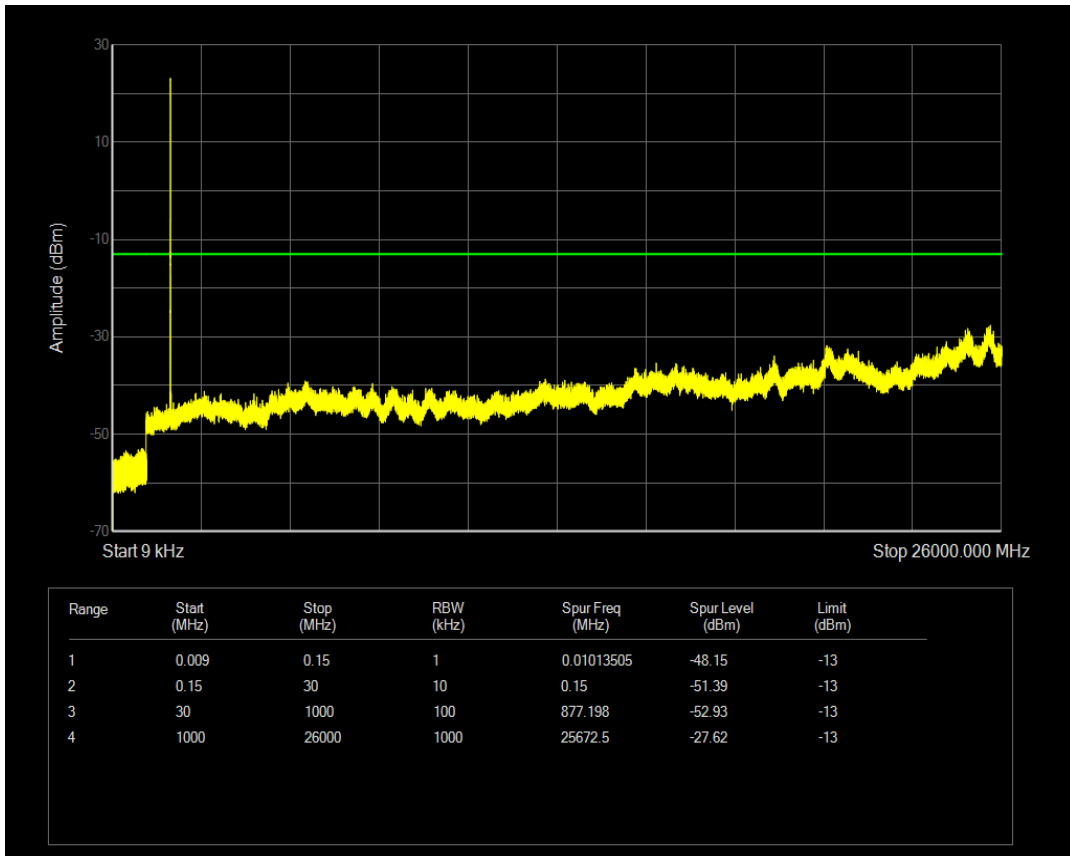
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



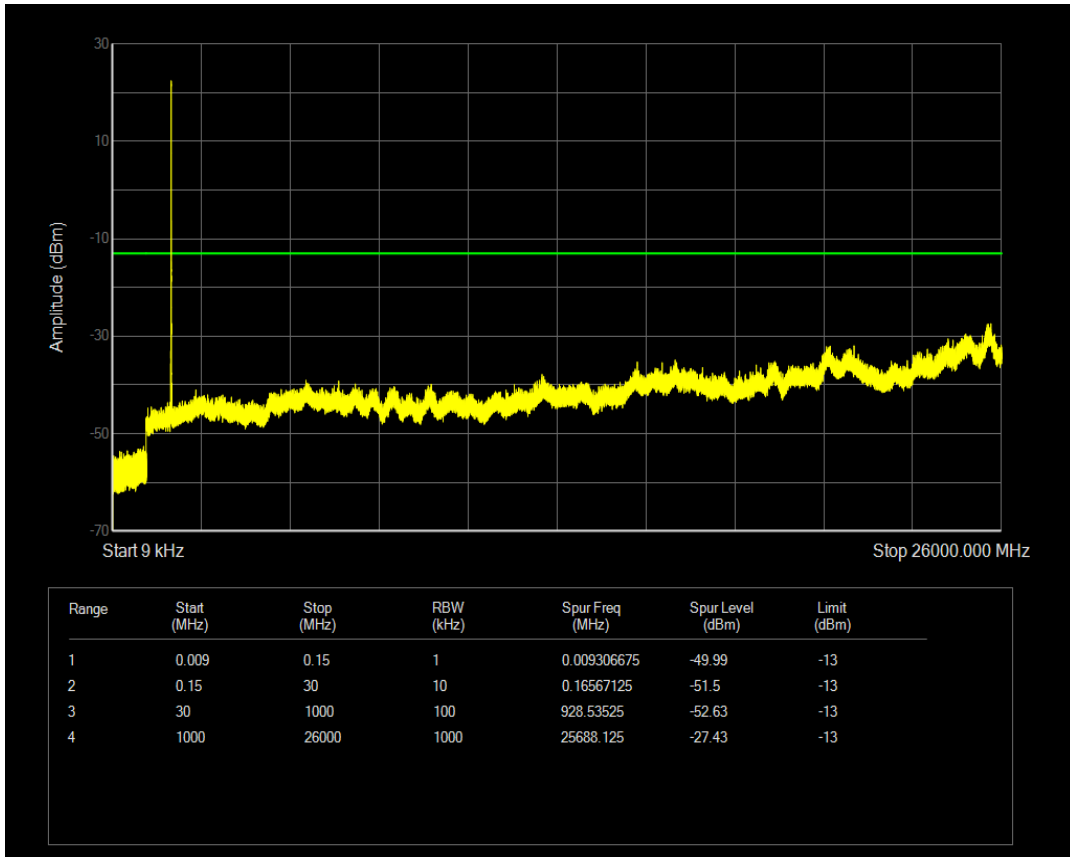
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



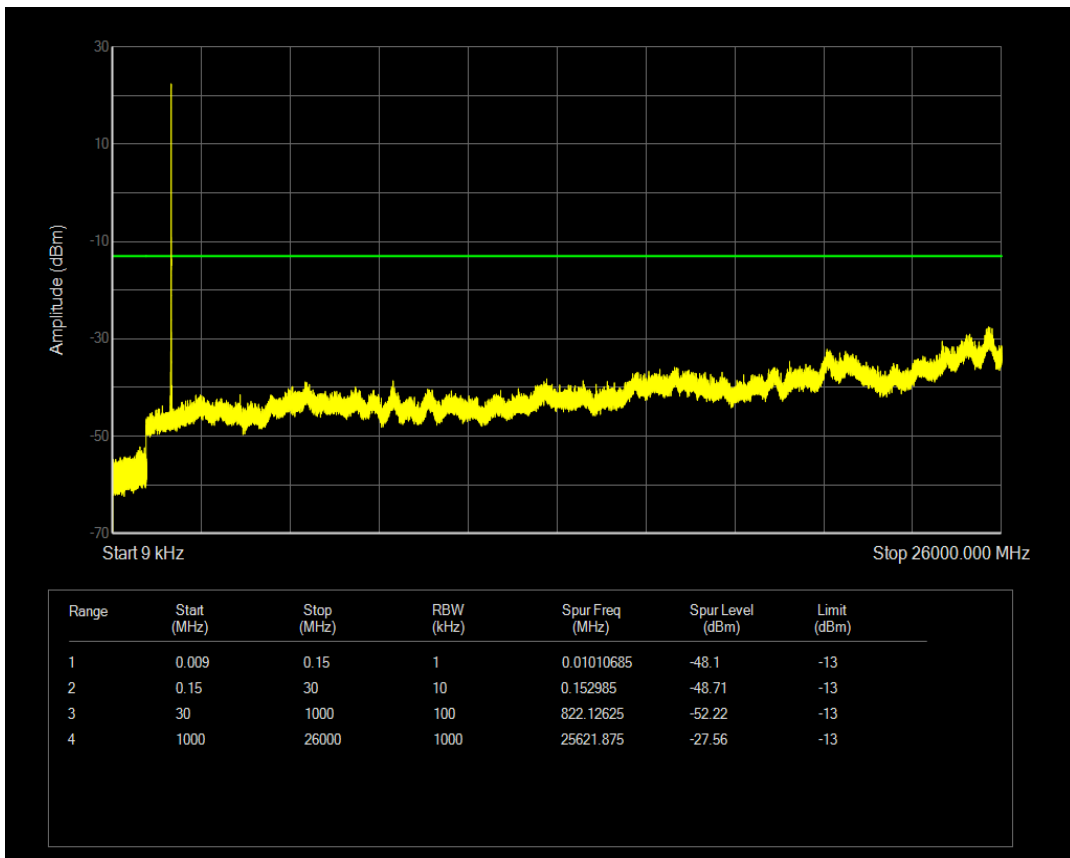
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



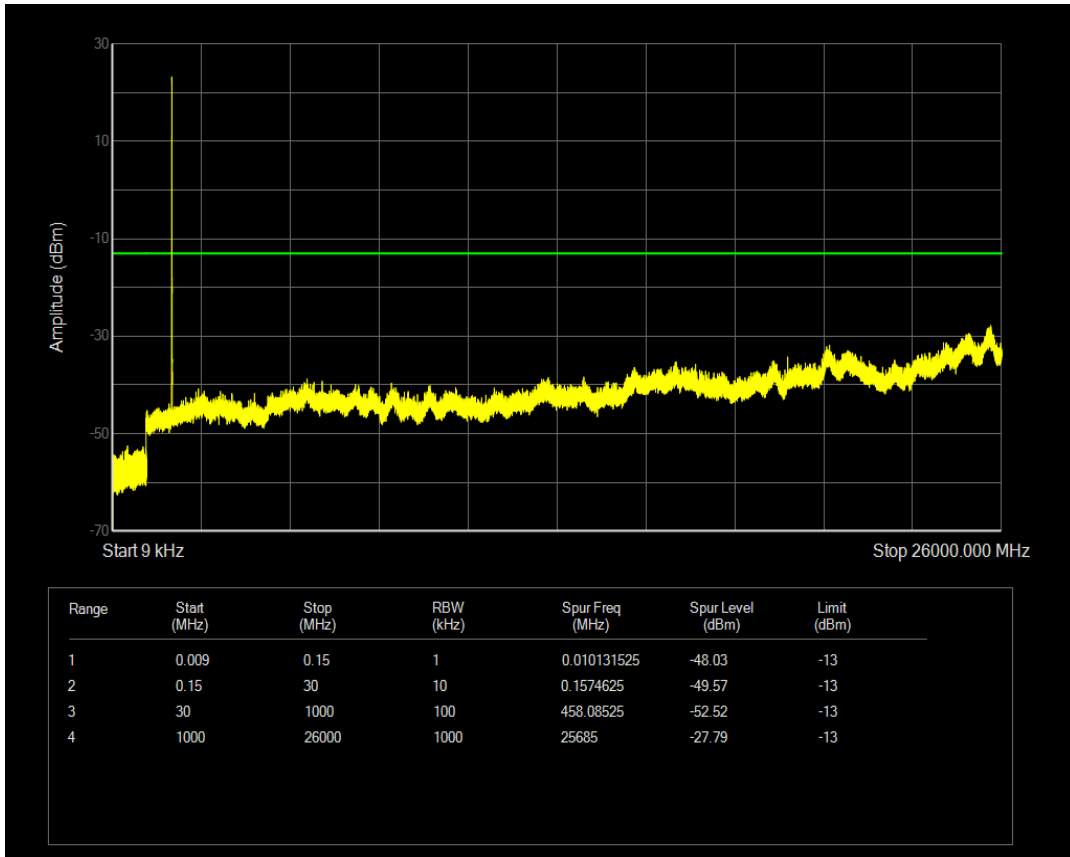
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



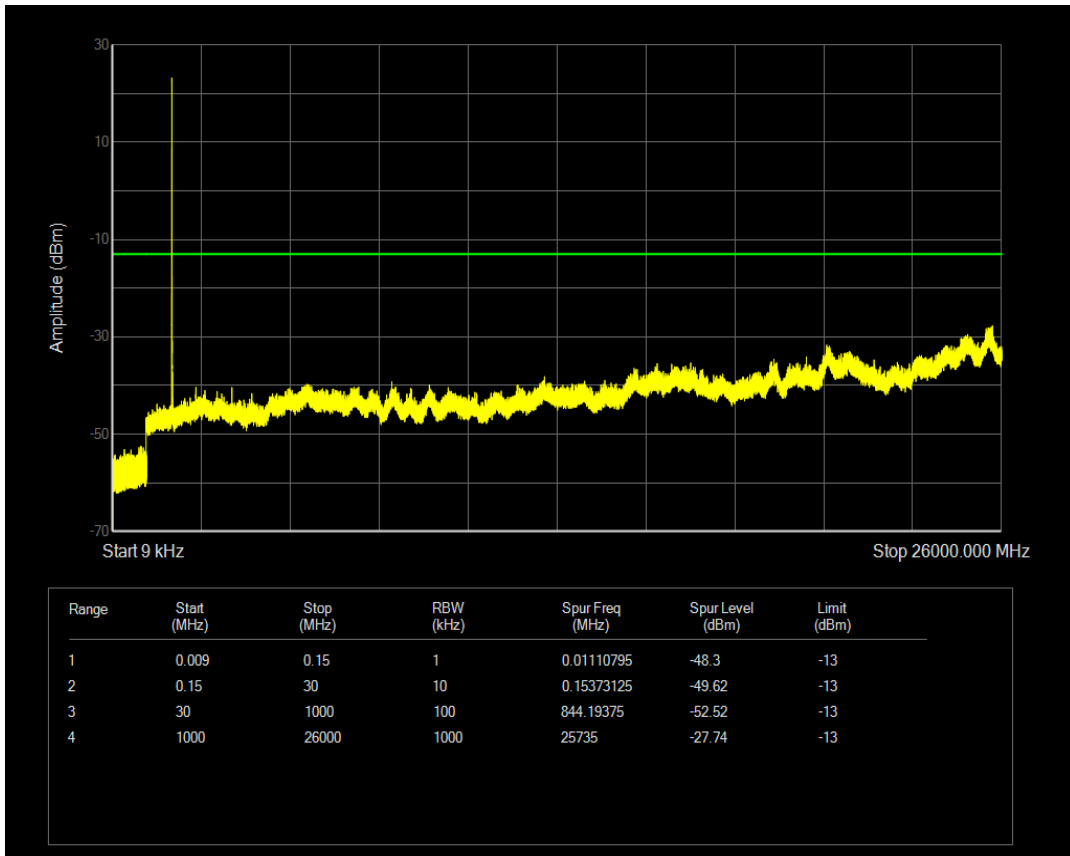
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



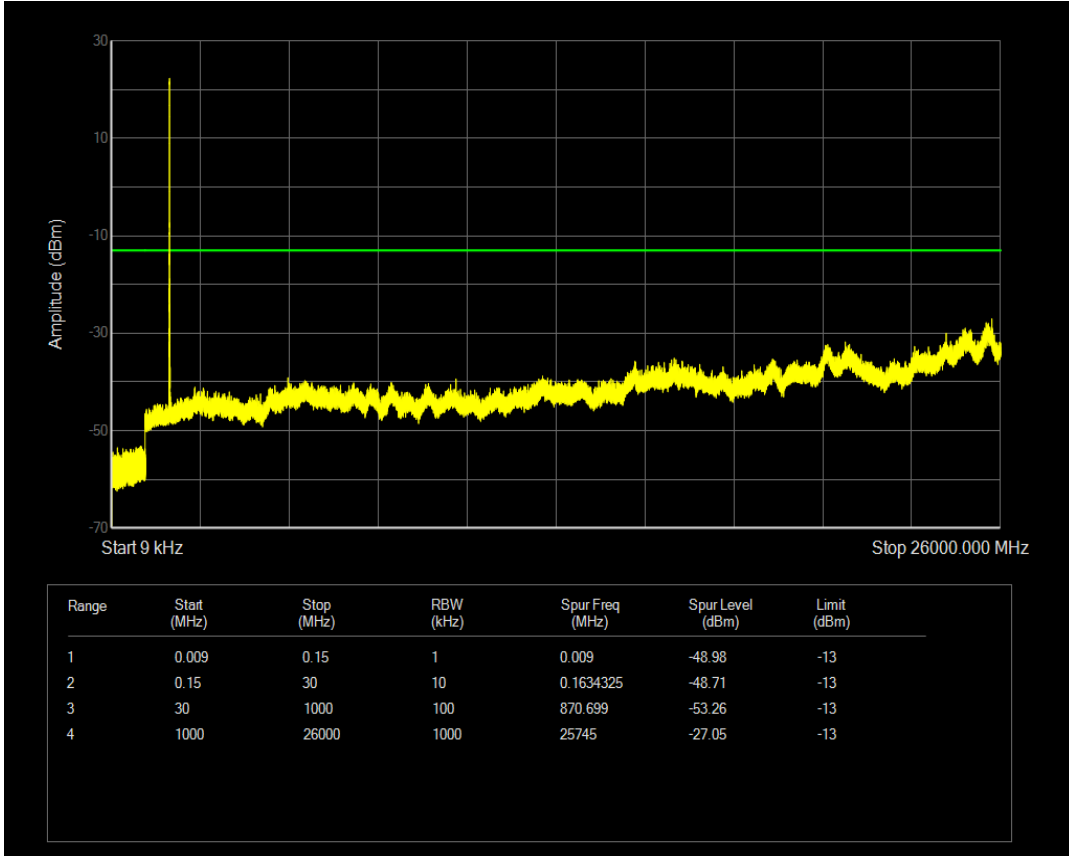
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



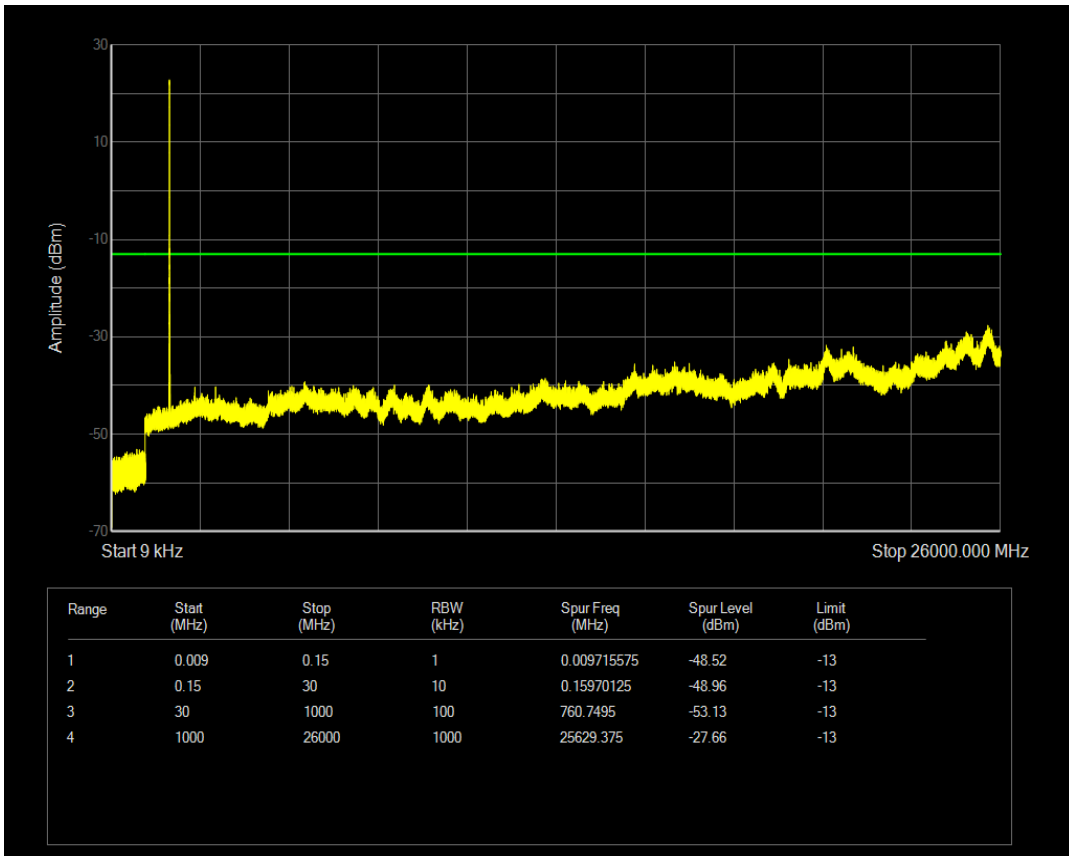
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



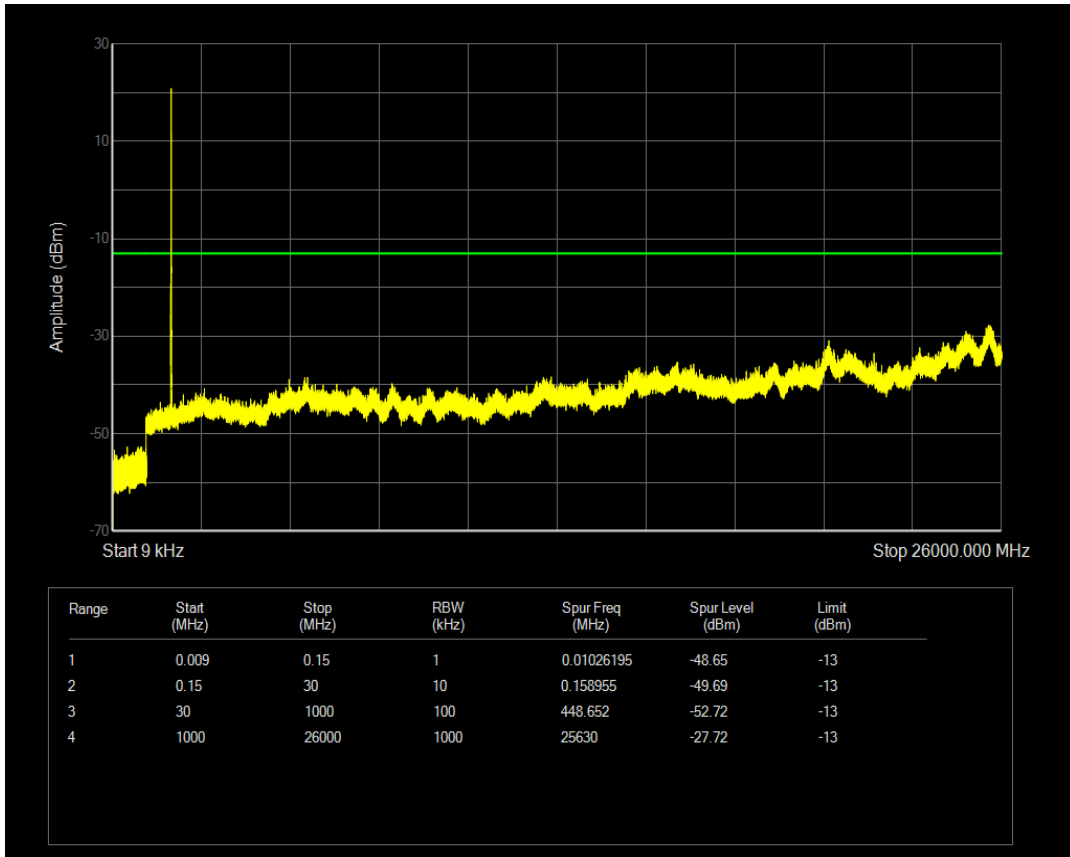
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



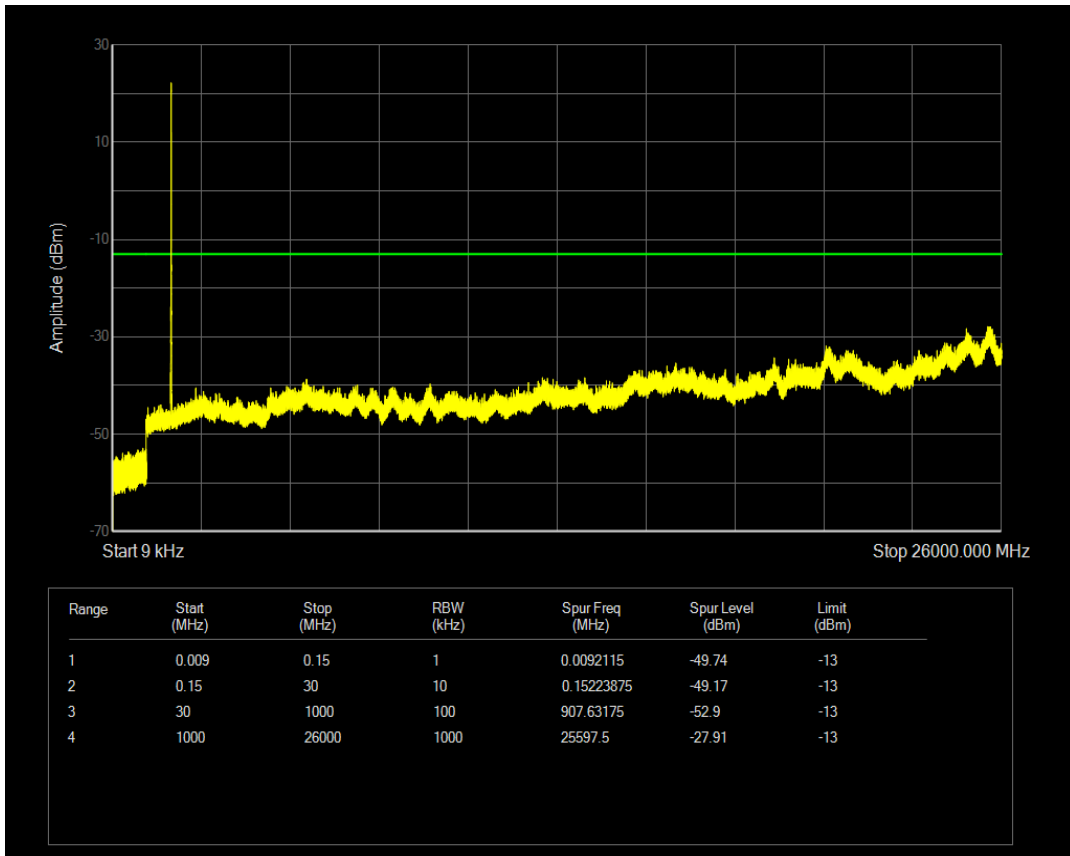
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



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

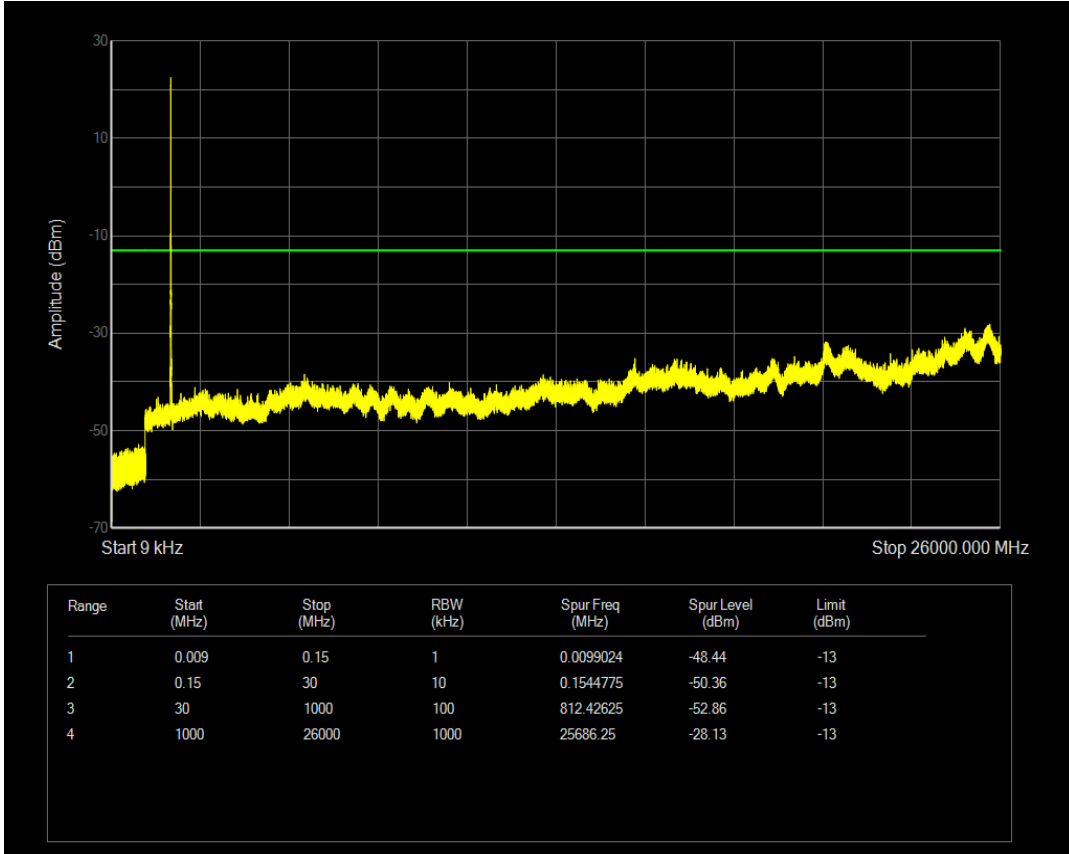


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

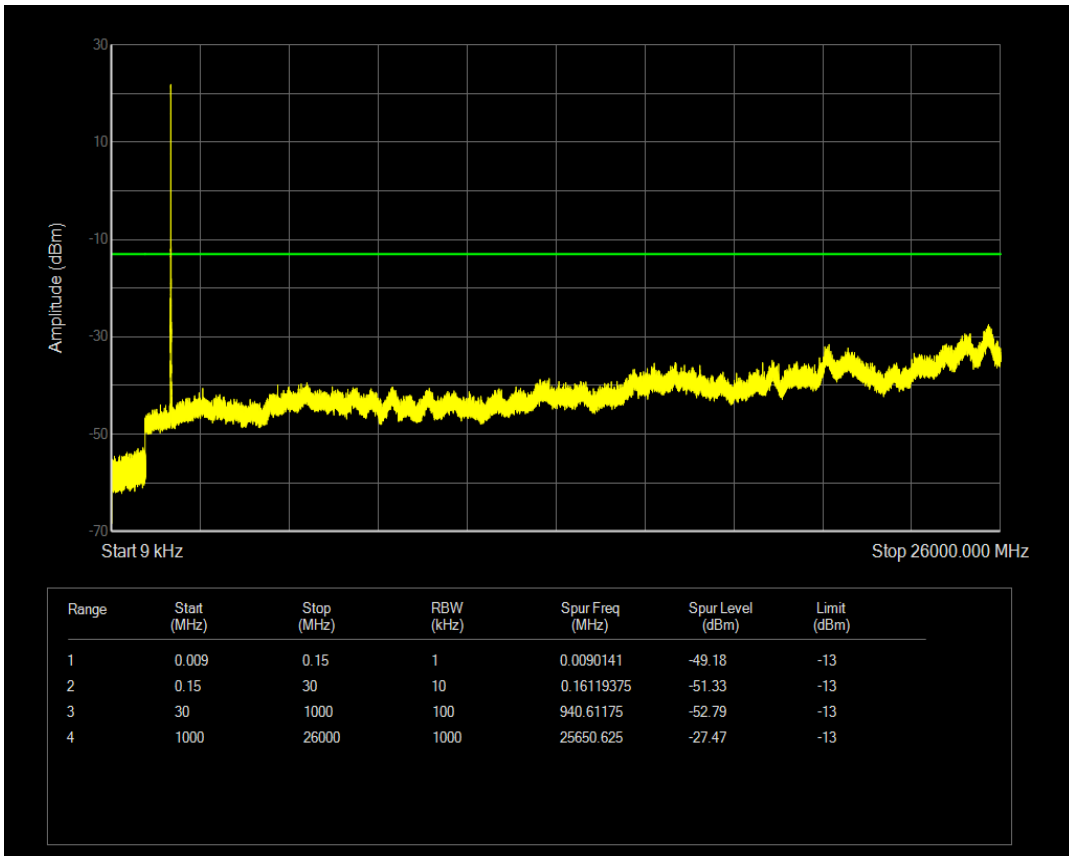


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

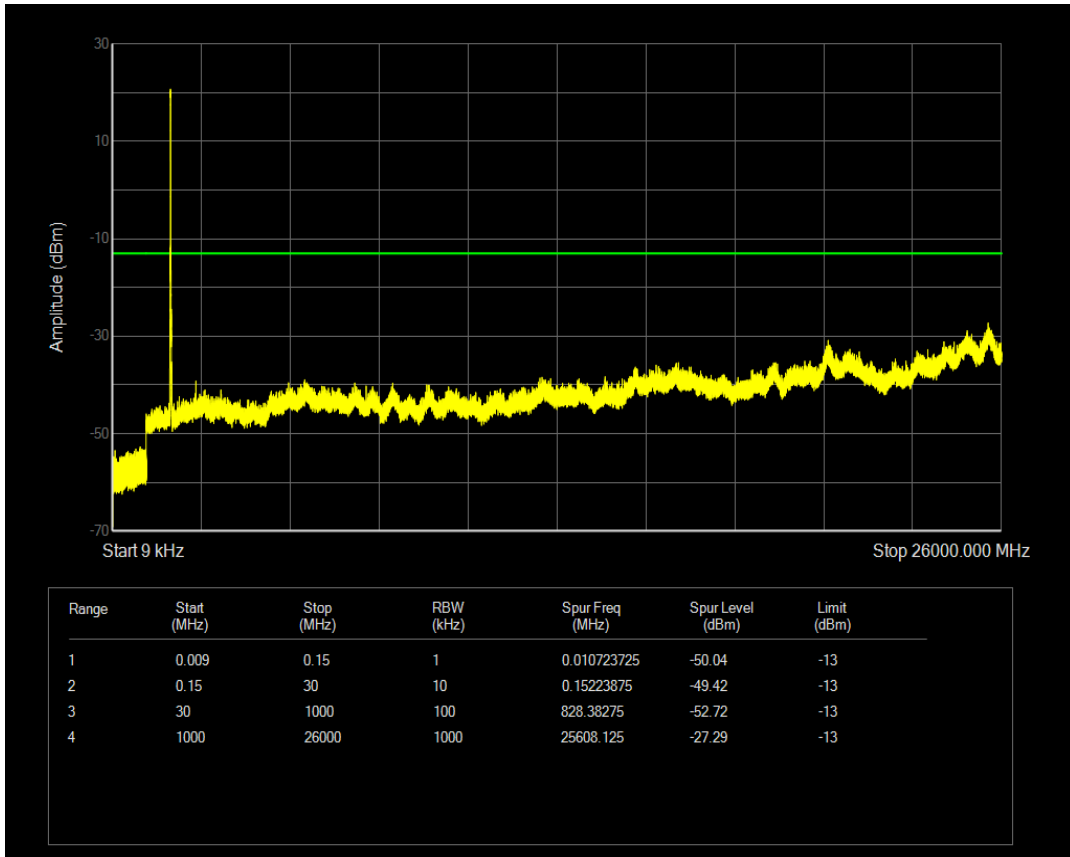




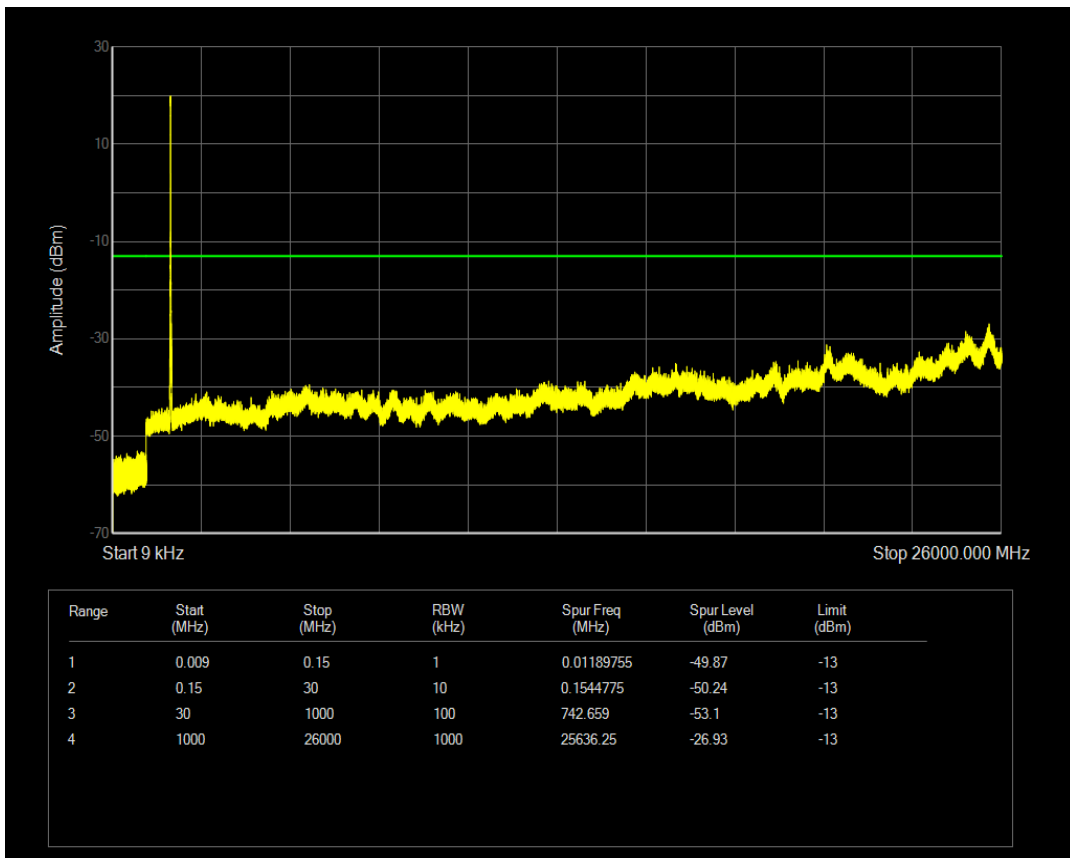
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



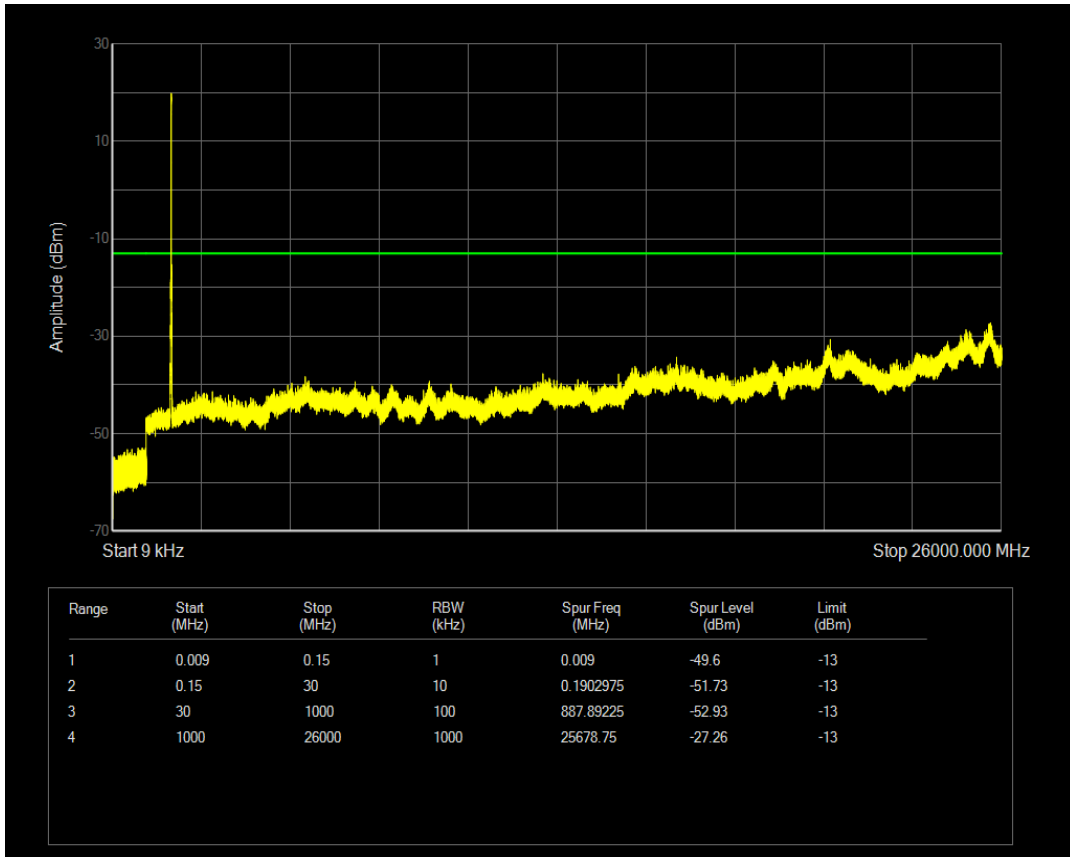
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



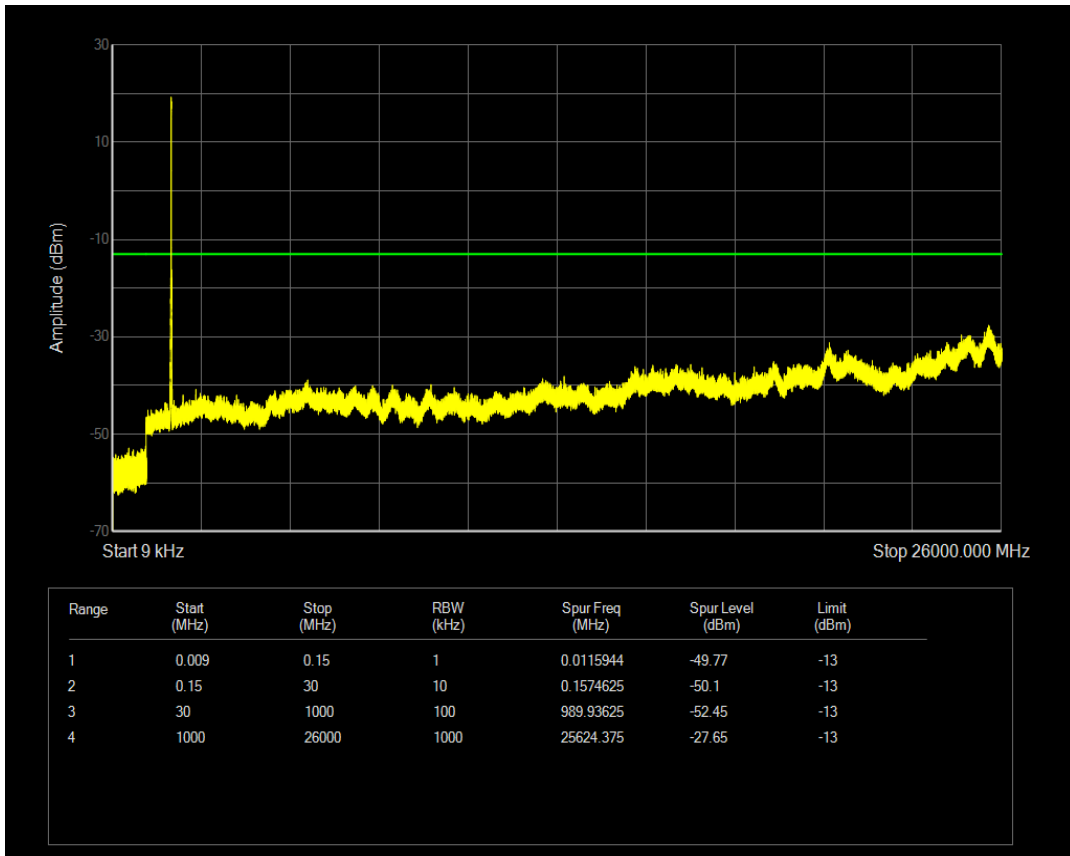
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



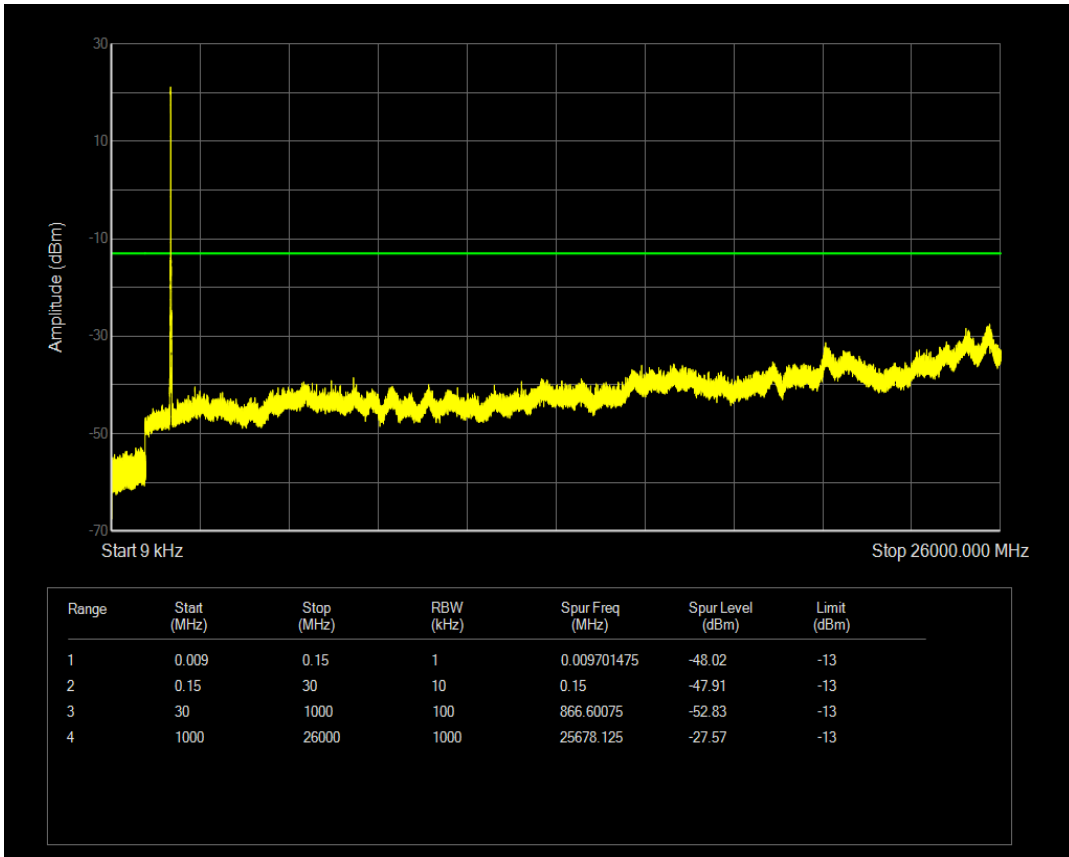
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



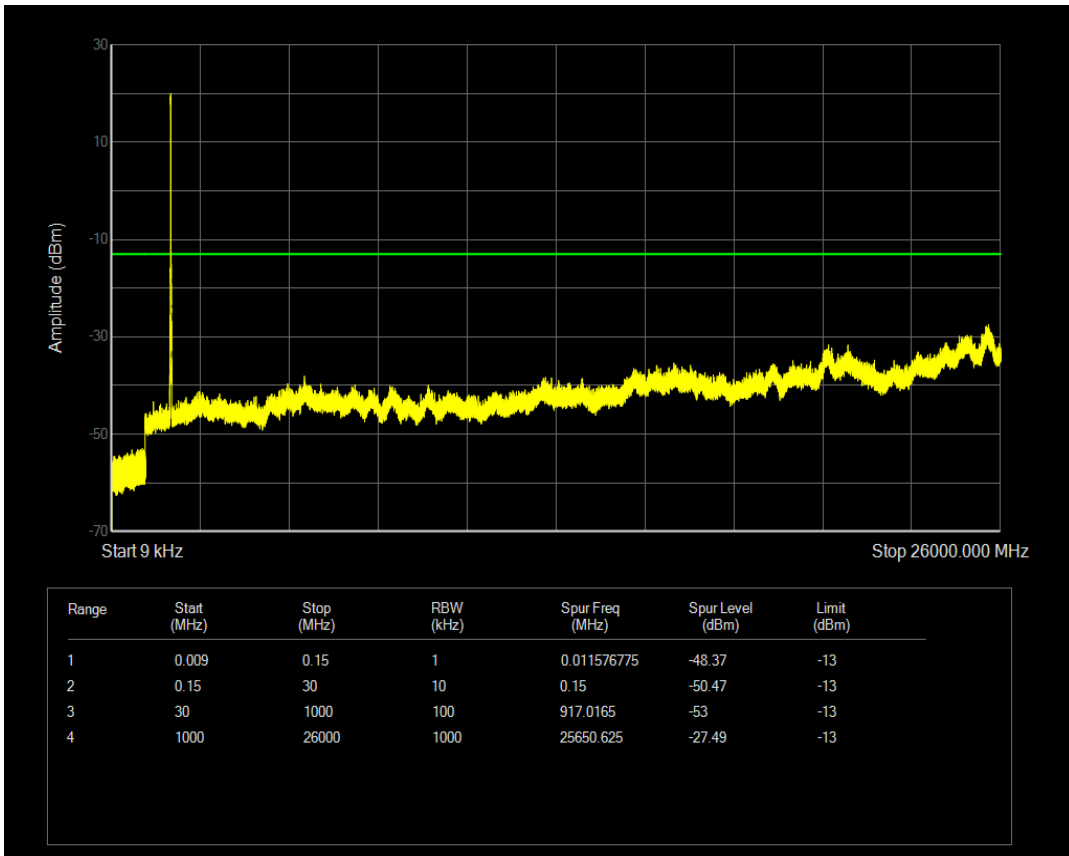
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



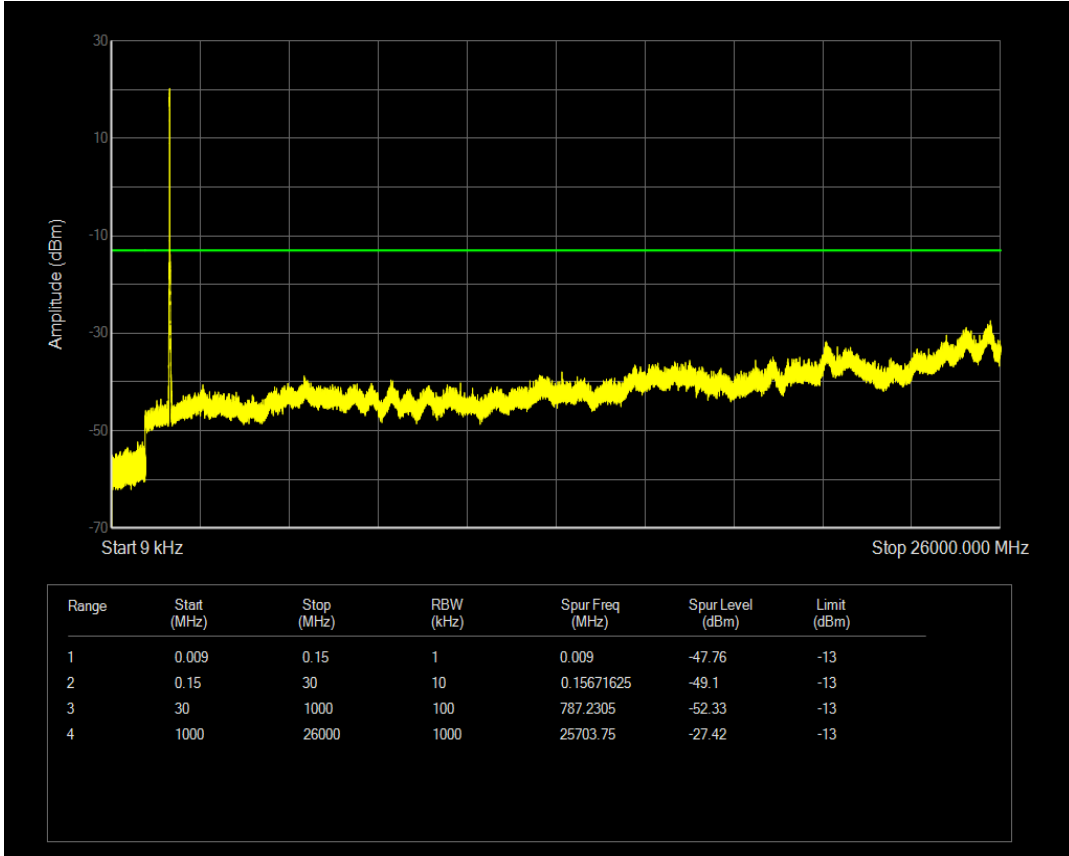
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



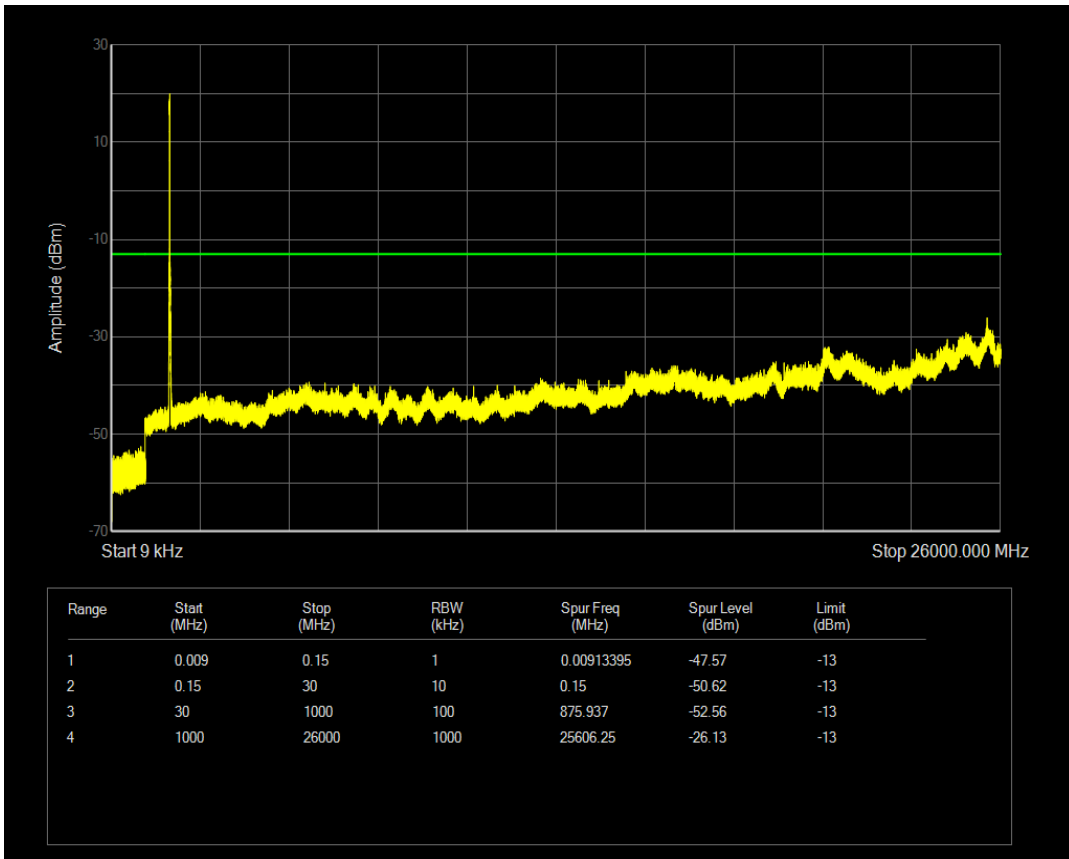
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



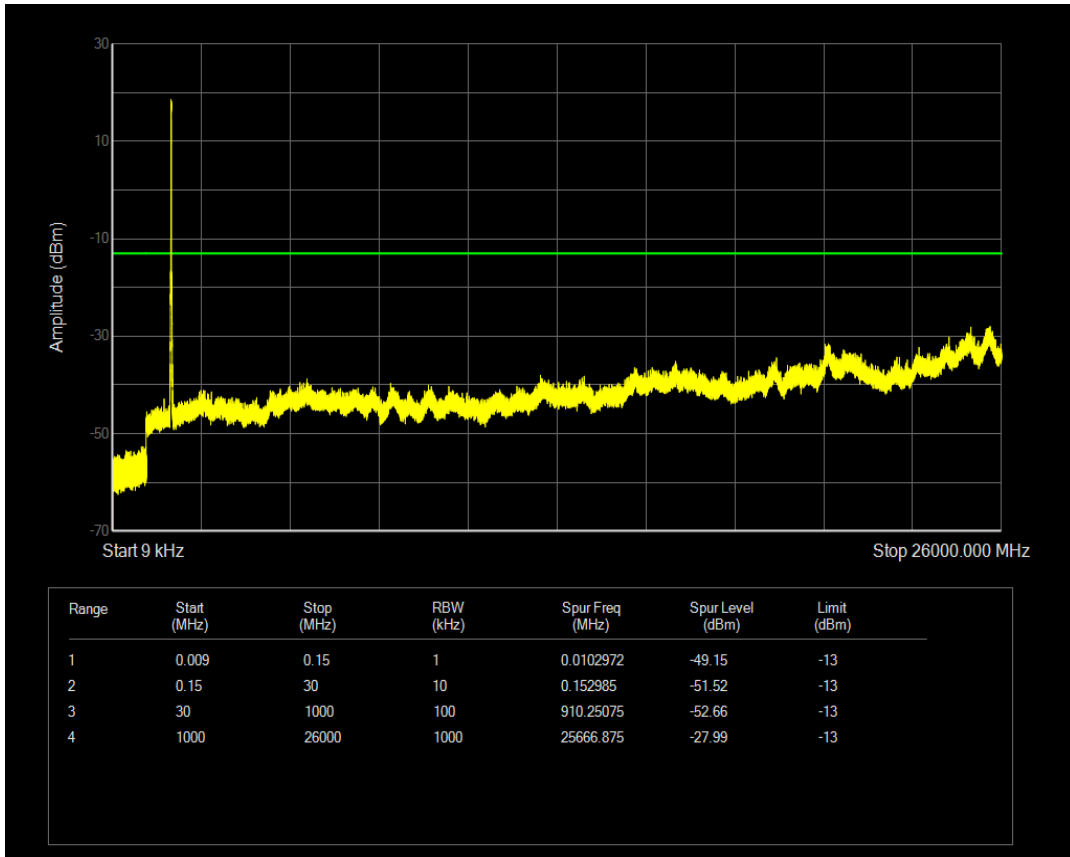
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



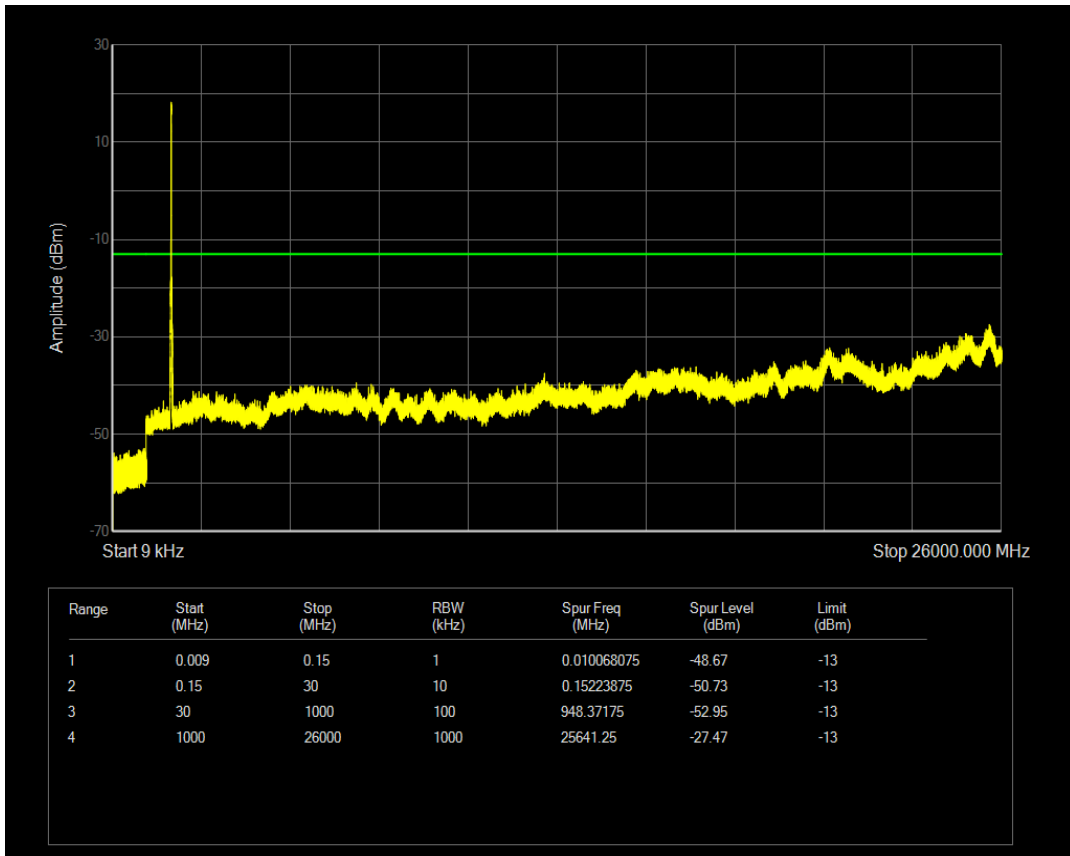
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



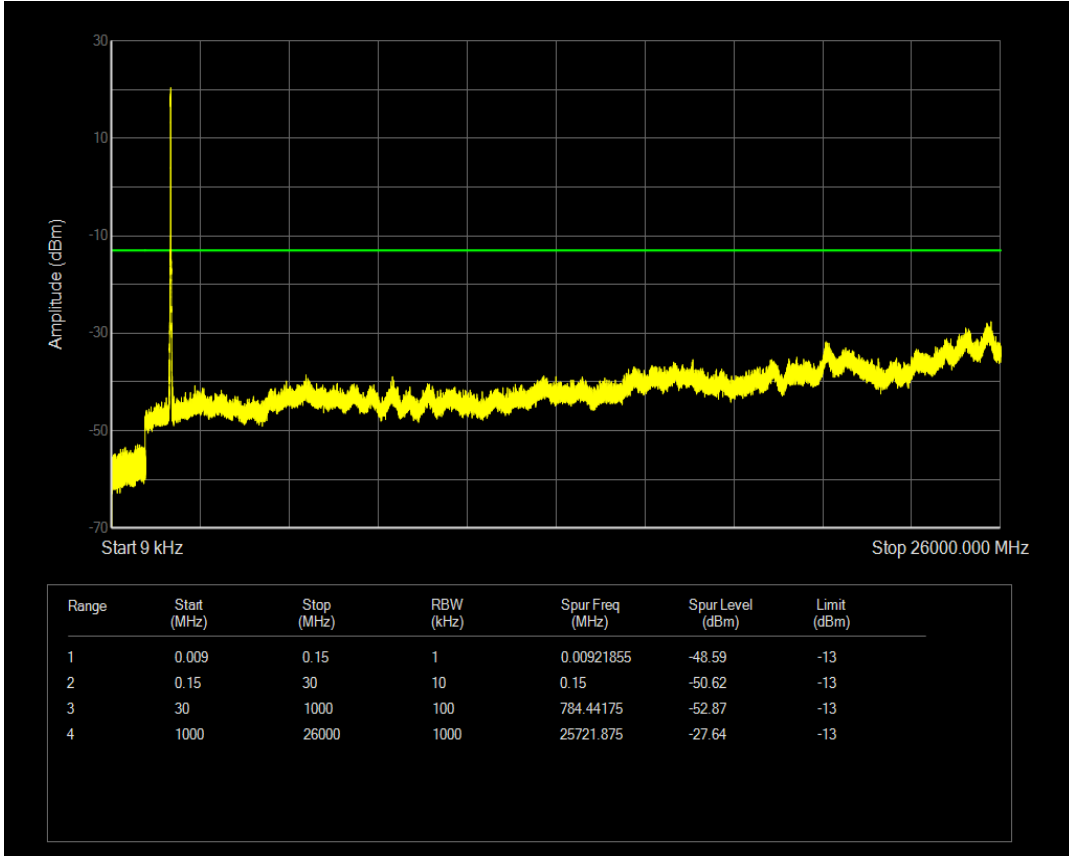
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



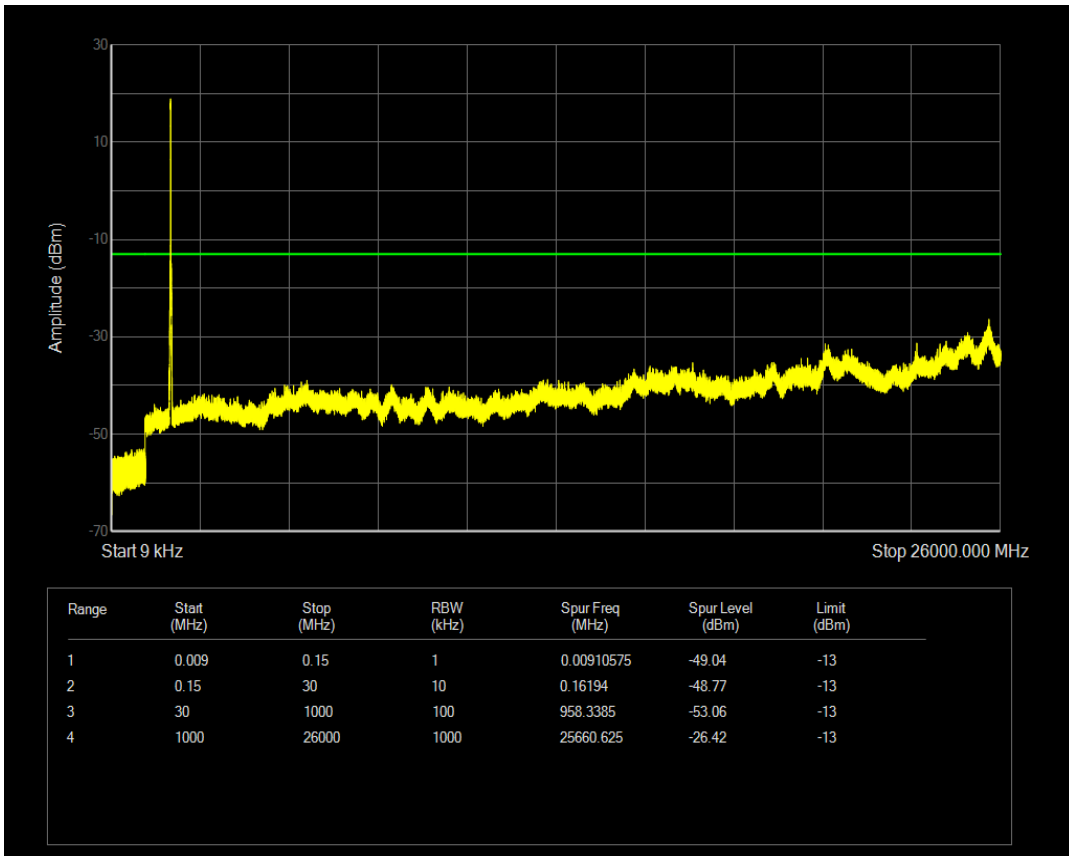
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



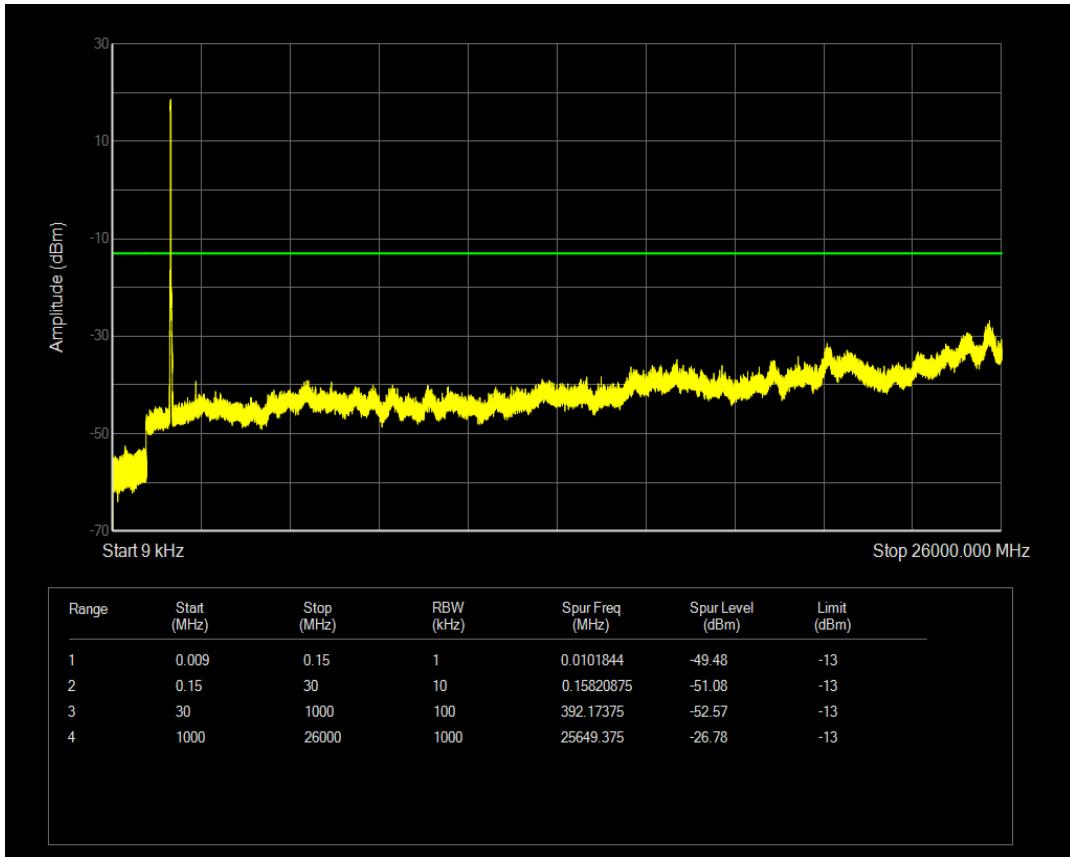
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



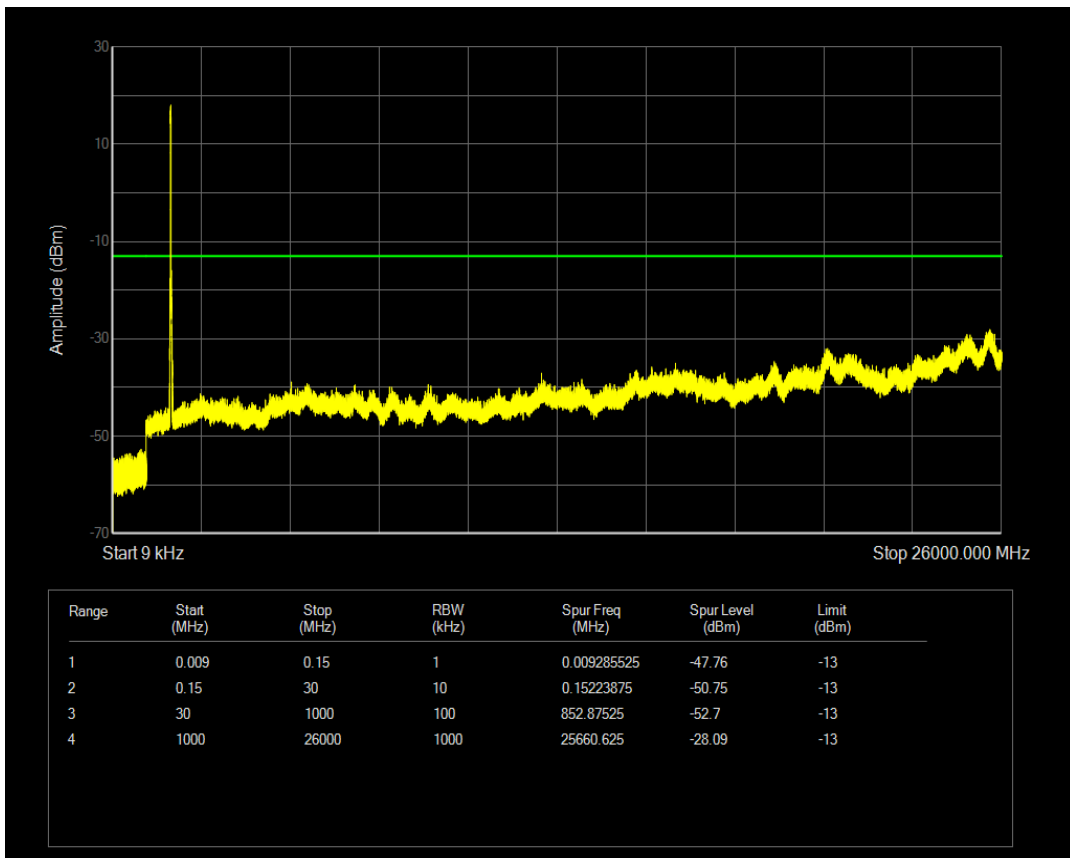
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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

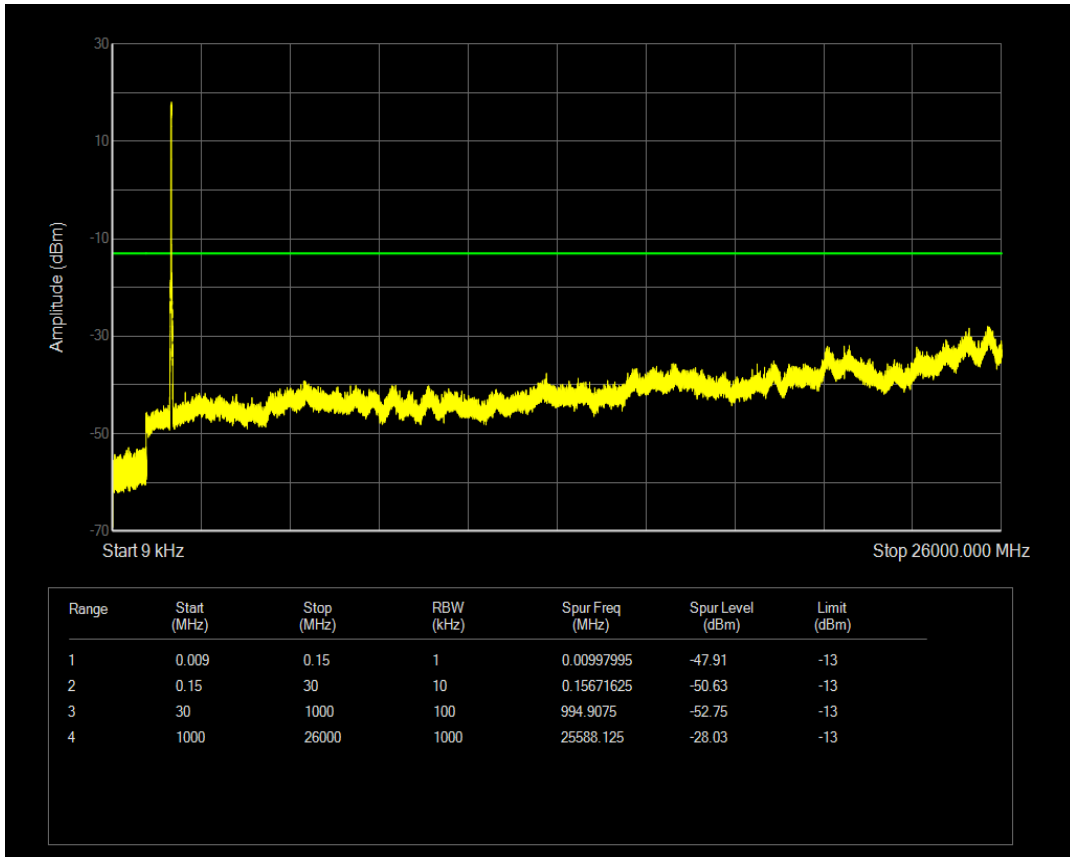


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

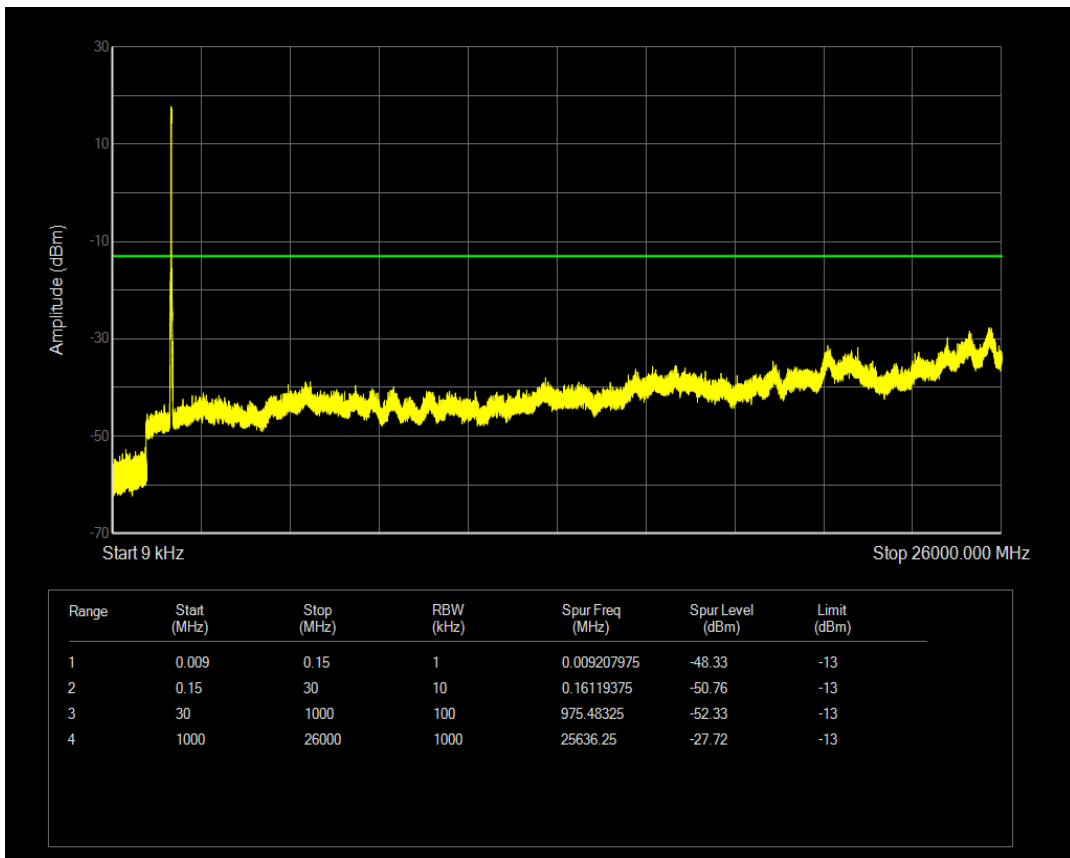


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

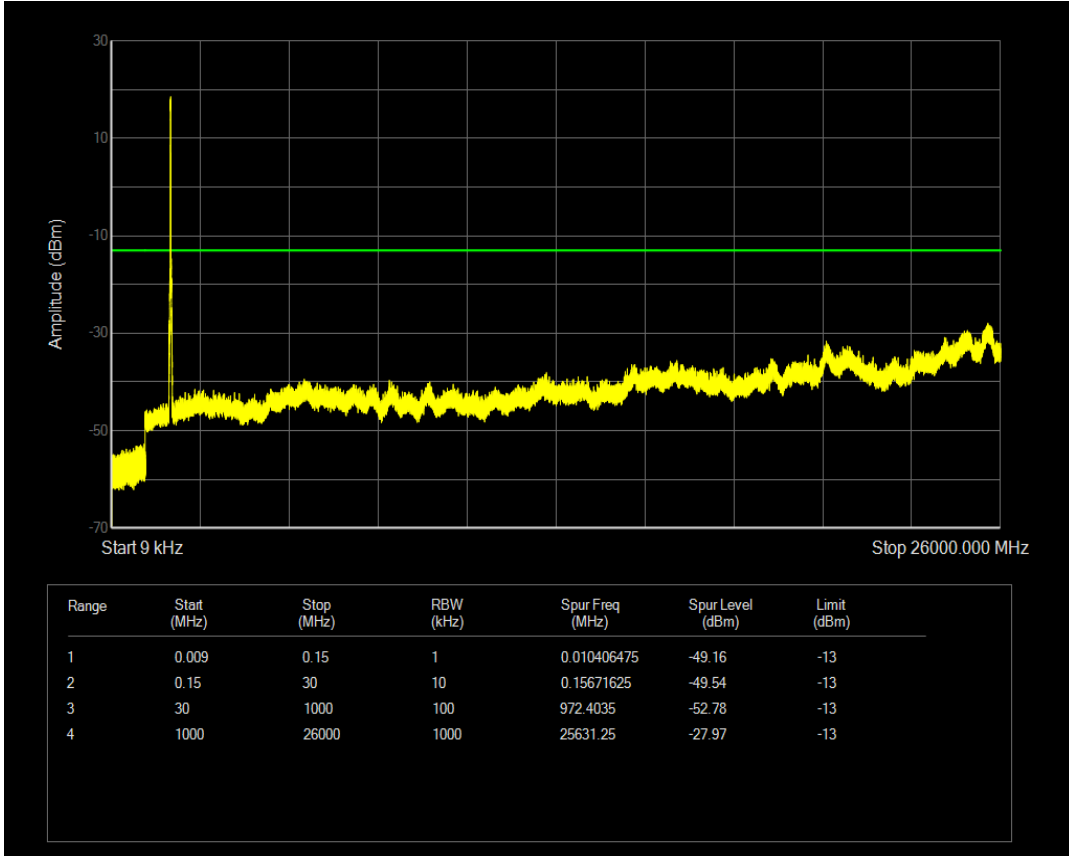




Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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

