Appendix for Band 4

Report No.:	BCTC2304875804-6E
Applicant:	Shenzhen Qichang Intelligent Technology Co., Ltd
Product Name:	smartphone
Model/Type reference:	F102
Tested Date:	2023-04-27 to 2023-05-15
Issued Date:	2023-05-16

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.45	-1	21.45	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.54	-1	21.54	PASS
Band4	1.4	19957	1	#Max	QPSK	22.43	-1	21.43	PASS
Band4	1.4	19957	3	#0	QPSK	22.58	-1	21.58	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.63	-1	21.63	PASS
Band4	1.4	19957	3	#Max	QPSK	22.54	-1	21.54	PASS
Band4	1.4	19957	6	#0	QPSK	21.57	-1	20.57	PASS
Band4	1.4	19957	1	#0	16QAM	21.61	-1	20.61	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.68	-1	20.68	PASS
Band4	1.4	19957	1	#Max	16QAM	21.65	-1	20.65	PASS
Band4	1.4	19957	3	#0	16QAM	21.76	-1	20.76	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.81	-1	20.81	PASS
Band4	1.4	19957	3	#Max	16QAM	21.77	-1	20.77	PASS
Band4	1.4	19957	6	#0	16QAM	20.77	-1	19.77	PASS
Band4	1.4	20175	1	#0	QPSK	22.20	-1	21.20	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.30	-1	21.30	PASS
Band4	1.4	20175	1	#Max	QPSK	22.24	-1	21.24	PASS
Band4	1.4	20175	3	#0	QPSK	22.28	-1	21.28	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.33	-1	21.33	PASS
Band4	1.4	20175	3	#Max	QPSK	22.26	-1	21.26	PASS
Band4	1.4	20175	6	#0	QPSK	21.36	-1	20.36	PASS
Band4	1.4	20175	1	#0	16QAM	21.01	-1	20.01	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.11	-1	20.11	PASS
Band4	1.4	20175	1	#Max	16QAM	21.02	-1	20.02	PASS
Band4	1.4	20175	3	#0	16QAM	21.39	-1	20.39	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.40	-1	20.40	PASS
Band4	1.4	20175	3	#Max	16QAM	21.43	-1	20.43	PASS
Band4	1.4	20175	6	#0	16QAM	20.51	-1	19.51	PASS
Band4	1.4	20393	1	#0	QPSK	22.19	-1	21.19	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.28	-1	21.28	PASS
Band4	1.4	20393	1	#Max	QPSK	22.17	-1	21.17	PASS
Band4	1.4	20393	3	#0	QPSK	22.18	-1	21.18	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.19	-1	21.19	PASS
Band4	1.4	20393	3	#Max	QPSK	22.16	-1	21.16	PASS
Band4	1.4	20393	6	#0	QPSK	21.27	-1	20.27	PASS
Band4	1.4	20393	1	#0	16QAM	21.28	-1	20.28	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.31	-1	20.31	PASS
Band4	1.4	20393	1	#Max	16QAM	21.23	-1	20.23	PASS

Band4	1.4	20393	3	#0	16QAM	21.36	-1	20.36	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.44	-1	20.44	PASS
Band4	1.4	20393	3	#Max	16QAM	21.32	-1	20.32	PASS
Band4	1.4	20393	6	#0	16QAM	20.42	-1	19.42	PASS
Band4	3	19965	1	#0	QPSK	22.32	-1	21.32	PASS
Band4	3	19965	1	#Mid	QPSK	22.42	-1	21.42	PASS
Band4	3	19965	1	#Max	QPSK	22.34	-1	21.34	PASS
Band4	3	19965	8	#0	QPSK	21.47	-1	20.47	PASS
Band4	3	19965	8	#Mid	QPSK	21.52	-1	20.52	PASS
Band4	3	19965	8	#Max	QPSK	21.49	-1	20.49	PASS
Band4	3	19965	15	#0	QPSK	21.48	-1	20.48	PASS
Band4	3	19965	1	#0	16QAM	21.20	-1	20.20	PASS
Band4	3	19965	1	#Mid	16QAM	21.26	-1	20.26	PASS
Band4	3	19965	1	#Max	16QAM	21.10	-1	20.10	PASS
Band4	3	19965	8	#0	16QAM	20.48	-1	19.48	PASS
Band4	3	19965	8	#Mid	16QAM	20.53	-1	19.53	PASS
Band4	3	19965	8	#Max	16QAM	20.49	-1	19.49	PASS
Band4	3	19965	15	#0	16QAM	20.57	-1	19.57	PASS
Band4	3	20175	1	#0	QPSK	21.96	-1	20.96	PASS
Band4	3	20175	1	#Mid	QPSK	22.08	-1	21.08	PASS
Band4	3	20175	1	#Max	QPSK	22.03	-1	21.03	PASS
Band4	3	20175	8	#0	QPSK	21.20	-1	20.20	PASS
Band4	3	20175	8	#Mid	QPSK	21.28	-1	20.28	PASS
Band4	3	20175	8	#Max	QPSK	21.27	-1	20.27	PASS
Band4	3	20175	15	#0	QPSK	21.23	-1	20.23	PASS
Band4	3	20175	1	#0	16QAM	21.42	-1	20.42	PASS
Band4	3	20175	1	#Mid	16QAM	21.49	-1	20.49	PASS
Band4	3	20175	1	#Max	16QAM	21.47	-1	20.47	PASS
Band4	3	20175	8	#0	16QAM	20.22	-1	19.22	PASS
Band4	3	20175	8	#Mid	16QAM	20.32	-1	19.32	PASS
Band4	3	20175	8	#Max	16QAM	20.26	-1	19.26	PASS
Band4	3	20175	15	#0	16QAM	20.29	-1	19.29	PASS
Band4	3	20385	1	#0	QPSK	22.03	-1	21.03	PASS
Band4	3	20385	1	#Mid	QPSK	22.06	-1	21.06	PASS
Band4	3	20385	1	#Max	QPSK	21.96	-1	20.96	PASS
Band4	3	20385	8	#0	QPSK	21.21	-1	20.21	PASS
Band4	3	20385	8	#Mid	QPSK	21.27	-1	20.27	PASS
Band4	3	20385	8	#Max	QPSK	21.18	-1	20.18	PASS
Band4	3	20385	15	#0	QPSK	21.23	-1	20.23	PASS
Band4	3	20385	1	#0	16QAM	21.19	-1	20.19	PASS
Band4	3	20385	1	#Mid	16QAM	21.27	-1	20.27	PASS
Band4	3	20385	1	#Max	16QAM	21.17	-1	20.17	PASS
Band4	3	20385	8	#0	16QAM	20.23	-1	19.23	PASS

Band4	3	20385	8	#Mid	16QAM	20.26	-1	19.26	PASS
Band4	3	20385	8	#Max	16QAM	20.14	-1	19.14	PASS
Band4	3	20385	15	#0	16QAM	20.16	-1	19.16	PASS
Band4	5	19975	1	#0	QPSK	22.49	-1	21.49	PASS
Band4	5	19975	1	#Mid	QPSK	22.53	-1	21.53	PASS
Band4	5	19975	1	#Max	QPSK	22.39	-1	21.39	PASS
Band4	5	19975	12	#0	QPSK	21.50	-1	20.50	PASS
Band4	5	19975	12	#Mid	QPSK	21.57	-1	20.57	PASS
Band4	5	19975	12	#Max	QPSK	21.52	-1	20.52	PASS
Band4	5	19975	25	#0	QPSK	21.55	-1	20.55	PASS
Band4	5	19975	1	#0	16QAM	21.82	-1	20.82	PASS
Band4	5	19975	1	#Mid	16QAM	21.84	-1	20.84	PASS
Band4	5	19975	1	#Max	16QAM	21.67	-1	20.67	PASS
Band4	5	19975	12	#0	16QAM	20.51	-1	19.51	PASS
Band4	5	19975	12	#Mid	16QAM	20.58	-1	19.58	PASS
Band4	5	19975	12	#Max	16QAM	20.57	-1	19.57	PASS
Band4	5	19975	25	#0	16QAM	20.53	-1	19.53	PASS
Band4	5	20175	1	#0	QPSK	22.21	-1	21.21	PASS
Band4	5	20175	1	#Mid	QPSK	22.32	-1	21.32	PASS
Band4	5	20175	1	#Max	QPSK	22.33	-1	21.33	PASS
Band4	5	20175	12	#0	QPSK	21.23	-1	20.23	PASS
Band4	5	20175	12	#Mid	QPSK	21.37	-1	20.37	PASS
Band4	5	20175	12	#Max	QPSK	21.35	-1	20.35	PASS
Band4	5	20175	25	#0	QPSK	21.29	-1	20.29	PASS
Band4	5	20175	1	#0	16QAM	21.67	-1	20.67	PASS
Band4	5	20175	1	#Mid	16QAM	21.85	-1	20.85	PASS
Band4	5	20175	1	#Max	16QAM	21.81	-1	20.81	PASS
Band4	5	20175	12	#0	16QAM	20.21	-1	19.21	PASS
Band4	5	20175	12	#Mid	16QAM	20.35	-1	19.35	PASS
Band4	5	20175	12	#Max	16QAM	20.31	-1	19.31	PASS
Band4	5	20175	25	#0	16QAM	20.27	-1	19.27	PASS
Band4	5	20375	1	#0	QPSK	22.35	-1	21.35	PASS
Band4	5	20375	1	#Mid	QPSK	22.32	-1	21.32	PASS
Band4	5	20375	1	#Max	QPSK	22.20	-1	21.20	PASS
Band4	5	20375	12	#0	QPSK	21.32	-1	20.32	PASS
Band4	5	20375	12	#Mid	QPSK	21.33	-1	20.33	PASS
Band4	5	20375	12	#Max	QPSK	21.24	-1	20.24	PASS
Band4	5	20375	25	#0	QPSK	21.33	-1	20.33	PASS
Band4	5	20375	1	#0	16QAM	21.69	-1	20.69	PASS
Band4	5	20375	1	#Mid	16QAM	21.64	-1	20.64	PASS
Band4	5	20375	1	#Max	16QAM	21.48	-1	20.48	PASS
Band4	5	20375	12	#0	16QAM	20.28	-1	19.28	PASS
Band4	5	20375	12	#Mid	16QAM	20.32	-1	19.32	PASS

Band4	5	20375	12	#Max	16QAM	20.24	-1	19.24	PASS
Band4	5	20375	25	#0	16QAM	20.36	-1	19.36	PASS
Band4	10	20000	1	#0	QPSK	22.64	-1	21.64	PASS
Band4	10	20000	1	#Mid	QPSK	22.51	-1	21.51	PASS
Band4	10	20000	1	#Max	QPSK	22.30	-1	21.30	PASS
Band4	10	20000	25	#0	QPSK	21.46	-1	20.46	PASS
Band4	10	20000	25	#Mid	QPSK	21.46	-1	20.46	PASS
Band4	10	20000	25	#Max	QPSK	21.46	-1	20.46	PASS
Band4	10	20000	50	#0	QPSK	21.42	-1	20.42	PASS
Band4	10	20000	1	#0	16QAM	22.00	-1	21.00	PASS
Band4	10	20000	1	#Mid	16QAM	21.89	-1	20.89	PASS
Band4	10	20000	1	#Max	16QAM	21.74	-1	20.74	PASS
Band4	10	20000	25	#0	16QAM	20.44	-1	19.44	PASS
Band4	10	20000	25	#Mid	16QAM	20.52	-1	19.52	PASS
Band4	10	20000	25	#Max	16QAM	20.44	-1	19.44	PASS
Band4	10	20000	50	#0	16QAM	20.43	-1	19.43	PASS
Band4	10	20175	1	#0	QPSK	22.21	-1	21.21	PASS
Band4	10	20175	1	#Mid	QPSK	22.37	-1	21.37	PASS
Band4	10	20175	1	#Max	QPSK	22.46	-1	21.46	PASS
Band4	10	20175	25	#0	QPSK	21.18	-1	20.18	PASS
Band4	10	20175	25	#Mid	QPSK	21.34	-1	20.34	PASS
Band4	10	20175	25	#Max	QPSK	21.34	-1	20.34	PASS
Band4	10	20175	50	#0	QPSK	21.29	-1	20.29	PASS
Band4	10	20175	1	#0	16QAM	21.37	-1	20.37	PASS
Band4	10	20175	1	#Mid	16QAM	21.52	-1	20.52	PASS
Band4	10	20175	1	#Max	16QAM	21.62	-1	20.62	PASS
Band4	10	20175	25	#0	16QAM	20.17	-1	19.17	PASS
Band4	10	20175	25	#Mid	16QAM	20.34	-1	19.34	PASS
Band4	10	20175	25	#Max	16QAM	20.38	-1	19.38	PASS
Band4	10	20175	50	#0	16QAM	20.33	-1	19.33	PASS
Band4	10	20350	1	#0	QPSK	22.60	-1	21.60	PASS
Band4	10	20350	1	#Mid	QPSK	22.52	-1	21.52	PASS
Band4	10	20350	1	#Max	QPSK	22.34	-1	21.34	PASS
Band4	10	20350	25	#0	QPSK	21.40	-1	20.40	PASS
Band4	10	20350	25	#Mid	QPSK	21.42	-1	20.42	PASS
Band4	10	20350	25	#Max	QPSK	21.33	-1	20.33	PASS
Band4	10	20350	50	#0	QPSK	21.39	-1	20.39	PASS
Band4	10	20350	1	#0	16QAM	21.36	-1	20.36	PASS
Band4	10	20350	1	#Mid	16QAM	21.31	-1	20.31	PASS
Band4	10	20350	1	#Max	16QAM	21.11	-1	20.11	PASS
Band4	10	20350	25	#0	16QAM	20.41	-1	19.41	PASS
Band4	10	20350	25	#Mid	16QAM	20.47	-1	19.47	PASS
Band4	10	20350	25	#Max	16QAM	20.38	-1	19.38	PASS

Band4	10	20350	50	#0	16QAM	20.39	-1	19.39	PASS
Band4	15	20025	1	#0	QPSK	22.57	-1	21.57	PASS
Band4	15	20025	1	#Mid	QPSK	22.42	-1	21.42	PASS
Band4	15	20025	1	#Max	QPSK	22.16	-1	21.16	PASS
Band4	15	20025	36	#0	QPSK	21.45	-1	20.45	PASS
Band4	15	20025	36	#Mid	QPSK	21.45	-1	20.45	PASS
Band4	15	20025	36	#Max	QPSK	21.33	-1	20.33	PASS
Band4	15	20025	75	#0	QPSK	21.41	-1	20.41	PASS
Band4	15	20025	1	#0	16QAM	21.70	-1	20.70	PASS
Band4	15	20025	1	#Mid	16QAM	21.55	-1	20.55	PASS
Band4	15	20025	1	#Max	16QAM	21.30	-1	20.30	PASS
Band4	15	20025	36	#0	16QAM	20.46	-1	19.46	PASS
Band4	15	20025	36	#Mid	16QAM	20.46	-1	19.46	PASS
Band4	15	20025	36	#Max	16QAM	20.40	-1	19.40	PASS
Band4	15	20025	75	#0	16QAM	20.39	-1	19.39	PASS
Band4	15	20175	1	#0	QPSK	22.21	-1	21.21	PASS
Band4	15	20175	1	#Mid	QPSK	22.44	-1	21.44	PASS
Band4	15	20175	1	#Max	QPSK	22.57	-1	21.57	PASS
Band4	15	20175	36	#0	QPSK	21.22	-1	20.22	PASS
Band4	15	20175	36	#Mid	QPSK	21.36	-1	20.36	PASS
Band4	15	20175	36	#Max	QPSK	21.47	-1	20.47	PASS
Band4	15	20175	75	#0	QPSK	21.40	-1	20.40	PASS
Band4	15	20175	1	#0	16QAM	21.24	-1	20.24	PASS
Band4	15	20175	1	#Mid	16QAM	21.47	-1	20.47	PASS
Band4	15	20175	1	#Max	16QAM	21.54	-1	20.54	PASS
Band4	15	20175	36	#0	16QAM	20.14	-1	19.14	PASS
Band4	15	20175	36	#Mid	16QAM	20.34	-1	19.34	PASS
Band4	15	20175	36	#Max	16QAM	20.43	-1	19.43	PASS
Band4	15	20175	75	#0	16QAM	20.36	-1	19.36	PASS
Band4	15	20325	1	#0	QPSK	22.47	-1	21.47	PASS
Band4	15	20325	1	#Mid	QPSK	22.50	-1	21.50	PASS
Band4	15	20325	1	#Max	QPSK	22.20	-1	21.20	PASS
Band4	15	20325	36	#0	QPSK	21.52	-1	20.52	PASS
Band4	15	20325	36	#Mid	QPSK	21.58	-1	20.58	PASS
Band4	15	20325	36	#Max	QPSK	21.42	-1	20.42	PASS
Band4	15	20325	75	#0	QPSK	21.54	-1	20.54	PASS
Band4	15	20325	1	#0	16QAM	21.83	-1	20.83	PASS
Band4	15	20325	1	#Mid	16QAM	21.90	-1	20.90	PASS
Band4	15	20325	1	#Max	16QAM	21.59	-1	20.59	PASS
Band4	15	20325	36	#0	16QAM	20.53	-1	19.53	PASS
Band4	15	20325	36	#Mid	16QAM	20.56	-1	19.56	PASS
Band4	15	20325	36	#Max	16QAM	20.39	-1	19.39	PASS
Band4	15	20325	75	#0	16QAM	20.50	-1	19.50	PASS

Band4	20	20050	1	#0	QPSK	22.47	-1	21.47	PASS
Band4	20	20050	1	#Mid	QPSK	22.37	-1	21.37	PASS
Band4	20	20050	1	#Max	QPSK	22.20	-1	21.20	PASS
Band4	20	20050	50	#0	QPSK	21.28	-1	20.28	PASS
Band4	20	20050	50	#Mid	QPSK	21.37	-1	20.37	PASS
Band4	20	20050	50	#Max	QPSK	21.26	-1	20.26	PASS
Band4	20	20050	100	#0	QPSK	21.25	-1	20.25	PASS
Band4	20	20050	1	#0	16QAM	21.68	-1	20.68	PASS
Band4	20	20050	1	#Mid	16QAM	21.59	-1	20.59	PASS
Band4	20	20050	1	#Max	16QAM	21.40	-1	20.40	PASS
Band4	20	20050	50	#0	16QAM	20.30	-1	19.30	PASS
Band4	20	20050	50	#Mid	16QAM	20.36	-1	19.36	PASS
Band4	20	20050	50	#Max	16QAM	20.26	-1	19.26	PASS
Band4	20	20050	100	#0	16QAM	20.25	-1	19.25	PASS
Band4	20	20175	1	#0	QPSK	22.07	-1	21.07	PASS
Band4	20	20175	1	#Mid	QPSK	22.40	-1	21.40	PASS
Band4	20	20175	1	#Max	QPSK	22.50	-1	21.50	PASS
Band4	20	20175	50	#0	QPSK	21.16	-1	20.16	PASS
Band4	20	20175	50	#Mid	QPSK	21.36	-1	20.36	PASS
Band4	20	20175	50	#Max	QPSK	21.44	-1	20.44	PASS
Band4	20	20175	100	#0	QPSK	21.28	-1	20.28	PASS
Band4	20	20175	1	#0	16QAM	21.39	-1	20.39	PASS
Band4	20	20175	1	#Mid	16QAM	21.70	-1	20.70	PASS
Band4	20	20175	1	#Max	16QAM	21.80	-1	20.80	PASS
Band4	20	20175	50	#0	16QAM	20.18	-1	19.18	PASS
Band4	20	20175	50	#Mid	16QAM	20.42	-1	19.42	PASS
Band4	20	20175	50	#Max	16QAM	20.48	-1	19.48	PASS
Band4	20	20175	100	#0	16QAM	20.30	-1	19.30	PASS
Band4	20	20300	1	#0	QPSK	22.37	-1	21.37	PASS
Band4	20	20300	1	#Mid	QPSK	22.72	-1	21.72	PASS
Band4	20	20300	1	#Max	QPSK	22.31	-1	21.31	PASS
Band4	20	20300	50	#0	QPSK	21.48	-1	20.48	PASS
Band4	20	20300	50	#Mid	QPSK	21.59	-1	20.59	PASS
Band4	20	20300	50	#Max	QPSK	21.52	-1	20.52	PASS
Band4	20	20300	100	#0	QPSK	21.50	-1	20.50	PASS
Band4	20	20300	1	#0	16QAM	21.47	-1	20.47	PASS
Band4	20	20300	1	#Mid	16QAM	21.83	-1	20.83	PASS
Band4	20	20300	1	#Max	16QAM	21.45	-1	20.45	PASS
Band4	20	20300	50	#0	16QAM	20.47	-1	19.47	PASS
Band4	20	20300	50	#Mid	16QAM	20.57	-1	19.57	PASS
Band4	20	20300	50	#Max	16QAM	20.48	-1	19.48	PASS
Band4	20	20300	100	#0	16QAM	20.49	-1	19.49	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	-4.19	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-8.45	-0.005	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-0.93	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-3.66	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-4.39	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-3.79	-0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	1.12	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	1.50	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	2.39	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	-0.41	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	-1.89	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	-4.96	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	2.05	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	2.86	0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-0.67	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.81	-0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	0.16	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-1.82	-0.001	-2.5	2.5	PASS
Band	3	19965	15	#0	QPSK	LV	NT	1.90	0.001	-2.5	2.5	PASS

4												
Band 4	3	19965	15	#0	QPSK	NV	NT	-0.21	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-5.05	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-6.65	-0.004	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-7.74	-0.005	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-6.41	-0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	0.24	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	-1.66	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	0.62	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	-0.96	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	-3.48	-0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	-3.15	-0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-0.49	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	-1.04	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	2.78	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	2.85	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	-0.92	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	-2.15	-0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	1.89	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-0.43	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	0.40	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	1.43	0.001	-2.5	2.5	PASS

Band 4	5	19975	25	#0	16QAM	NV	NT	4.49	0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	1.43	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-4.23	-0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	-1.95	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	-1.56	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	-1.67	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	1.17	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	0.20	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	5.84	0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	1.97	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-1.40	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-0.23	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	-3.53	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	-1.10	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-1.04	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-0.06	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	0.67	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	1.89	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	2.69	0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	3.53	0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	-3.48	-0.002	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	NV	NT	-3.03	-0.00	-2.5	2.5	PASS

4									2			
Band 4	10	20175	50	#0	QPSK	HV	NT	-1.79	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	LV	NT	-5.28	-0.003	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	-3.63	-0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	-4.72	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	1.22	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	0.60	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-0.84	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	-2.80	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	-0.80	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	1.16	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-2.20	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-2.92	-0.002	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-1.96	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	-1.46	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	-2.30	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	-2.55	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	-1.79	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-3.55	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-1.12	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	-0.62	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	NT	0.47	0.000	-2.5	2.5	PASS

Band 4	15	20175	75	#0	16QAM	HV	NT	-2.65	-0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-0.59	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	1.26	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	2.16	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	2.53	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	2.62	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	0.76	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	-1.43	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	-0.56	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-2.03	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	-0.04	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	-0.39	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	-2.75	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-0.07	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-0.03	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-2.03	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-1.49	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	1.10	0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	-0.23	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	1.06	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	0.19	0.000	-2.5	2.5	PASS
Band	20	20300	100	#0	QPSK	HV	NT	0.72	0.000	-2.5	2.5	PASS

4												
Band 4	20	20300	100	#0	16QAM	LV	NT	1.86	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	3.03	0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	HV	NT	0.00	0.000	-2.5	2.5	PASS

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	NV	-30	-5.18	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	-5.98	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	-5.64	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	-7.08	-0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	-3.73	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-30	-4.39	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-20	1.04	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	0	-0.41	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	10	-0.83	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	20	-1.83	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	0.93	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	1.23	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	-0.31	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	0.11	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	-1.02	-0.001	-2.5	2.5	PASS
Band	1.4	20175	6	#0	16QAM	NV	-30	-3.88	-0.00	-2.5	2.5	PASS

4									2			
Band 4	1.4	20175	6	#0	16QAM	NV	-20	-4.36	-0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	0	0.97	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	10	2.65	0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	20	1.46	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	1.10	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-1.87	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	1.29	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	3.52	0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	3.08	0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-30	0.90	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-20	-0.27	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	0	0.69	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	10	1.43	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	20	4.55	0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	-1.26	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	-3.46	-0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	-3.82	-0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	-7.68	-0.004	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	-4.55	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-30	-4.71	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-20	0.21	0.000	-2.5	2.5	PASS

Band 4	3	19965	15	#0	16QAM	NV	0	-1.02	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	10	-4.05	-0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	20	-2.60	-0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-0.06	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	1.44	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-0.84	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	0.51	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	0.70	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-30	1.14	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-20	-0.37	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	0	-1.96	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	10	-1.00	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	20	-0.54	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	2.10	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	-2.19	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	-1.47	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	-1.95	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	-0.33	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-30	-0.13	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-20	1.30	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	0	-0.06	0.000	-2.5	2.5	PASS
Band	3	20385	15	#0	16QAM	NV	10	0.26	0.000	-2.5	2.5	PASS

4												
Band 4	3	20385	15	#0	16QAM	NV	20	-0.59	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	0.80	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	-2.03	-0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	0.37	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	1.73	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	3.16	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-30	3.59	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-20	2.93	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	0	-0.44	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	10	2.20	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	20	-0.23	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	2.45	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	0.11	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	-0.43	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	0.76	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	1.03	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-30	-1.39	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-20	1.89	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	0	-2.55	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	10	-0.80	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	20	-1.39	-0.001	-2.5	2.5	PASS

Band 4	5	20375	25	#0	QPSK	NV	-30	2.12	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	1.10	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	-0.20	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	3.28	0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	-0.86	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-30	-1.02	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-20	-1.06	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	0	1.72	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	10	-1.89	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	20	-0.06	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	1.13	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-2.06	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-1.19	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	0.60	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-0.72	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-30	1.04	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-20	-1.43	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	0	-0.97	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	10	0.66	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	20	-0.73	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	-0.41	0.000	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	NV	-20	-4.71	-0.00	-2.5	2.5	PASS

4									3			
Band 4	10	20175	50	#0	QPSK	NV	0	-3.23	-0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	-6.74	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-4.71	-0.003	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-30	-6.71	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-20	-6.94	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	0	-6.48	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	10	-7.20	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	20	-4.53	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	-2.13	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	-0.19	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-0.67	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	0.94	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	0.54	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-30	-2.02	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-20	-1.73	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	0	-0.67	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	10	0.50	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	20	0.24	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	-3.53	-0.002	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	-0.87	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	0	-0.70	0.000	-2.5	2.5	PASS

Band 4	15	20025	75	#0	QPSK	NV	10	-1.92	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	-1.56	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-30	-0.27	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-20	-0.82	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	0	-1.22	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	10	1.90	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	20	-0.56	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	-4.15	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	-3.42	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	-4.29	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	-3.60	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	20	-3.60	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-30	-3.78	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-20	-5.36	-0.003	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	0	-2.90	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	10	-4.35	-0.003	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	20	-4.48	-0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	0.59	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	1.36	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	0.93	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	10	1.83	0.001	-2.5	2.5	PASS
Band	15	20325	75	#0	QPSK	NV	20	1.70	0.001	-2.5	2.5	PASS

4												
Band 4	15	20325	75	#0	16QAM	NV	-30	-0.23	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	-20	0.34	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	0	3.56	0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	10	0.93	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	20	1.40	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-30	-4.71	-0.003	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-20	-2.68	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	-4.03	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	-2.15	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	-0.87	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-30	-3.00	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-20	-2.20	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	0	-1.59	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	10	-3.66	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	20	-2.39	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-2.82	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	-1.59	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	0	-2.23	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	-3.56	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	-2.86	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	-30	-2.68	-0.002	-2.5	2.5	PASS

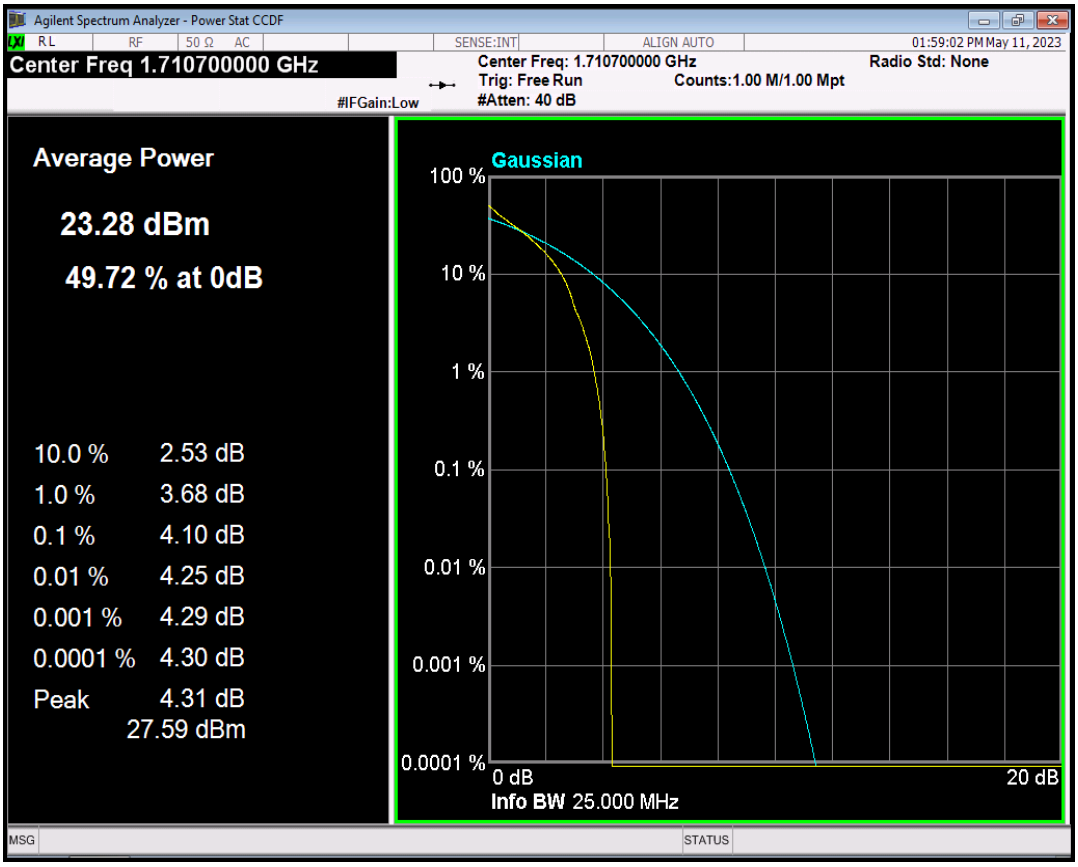
Band 4	20	20175	100	#0	16QAM	NV	-20	-4.11	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	0	-2.95	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	10	-1.69	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	20	-0.10	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	1.73	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	0.46	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	0.44	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	10	-1.34	-0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	1.24	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-30	-0.21	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-20	2.32	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	0	1.93	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	10	-0.17	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	20	1.03	0.001	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

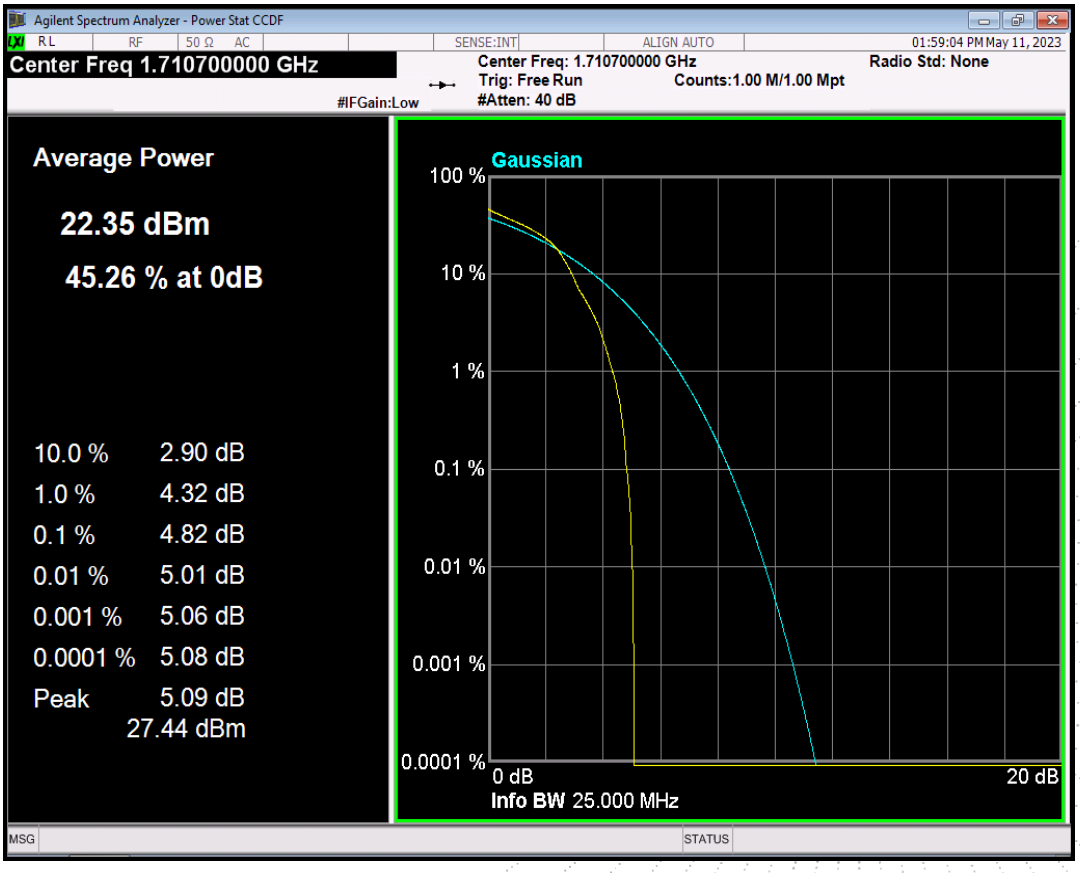
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.10	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.82	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.02	13	PASS
Band4	1.4	20175	1	#0	16QAM	4.91	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.41	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.41	13	PASS
Band4	3	19965	1	#0	QPSK	4.25	13	PASS
Band4	3	19965	1	#0	16QAM	5.10	13	PASS
Band4	3	20175	1	#0	QPSK	4.16	13	PASS
Band4	3	20175	1	#0	16QAM	5.17	13	PASS

Band4	3	20385	1	#0	QPSK	4.49	13	PASS
Band4	3	20385	1	#0	16QAM	5.26	13	PASS
Band4	5	19975	1	#0	QPSK	4.08	13	PASS
Band4	5	19975	1	#0	16QAM	4.87	13	PASS
Band4	5	20175	1	#0	QPSK	4.48	13	PASS
Band4	5	20175	1	#0	16QAM	5.10	13	PASS
Band4	5	20375	1	#0	QPSK	4.43	13	PASS
Band4	5	20375	1	#0	16QAM	5.03	13	PASS
Band4	10	20000	1	#0	QPSK	4.03	13	PASS
Band4	10	20000	1	#0	16QAM	4.90	13	PASS
Band4	10	20175	1	#0	QPSK	4.76	13	PASS
Band4	10	20175	1	#0	16QAM	5.72	13	PASS
Band4	10	20350	1	#0	QPSK	4.48	13	PASS
Band4	10	20350	1	#0	16QAM	5.20	13	PASS
Band4	15	20025	1	#0	QPSK	4.08	13	PASS
Band4	15	20025	1	#0	16QAM	4.94	13	PASS
Band4	15	20175	1	#0	QPSK	5.07	13	PASS
Band4	15	20175	1	#0	16QAM	5.93	13	PASS
Band4	15	20325	1	#0	QPSK	3.95	13	PASS
Band4	15	20325	1	#0	16QAM	4.75	13	PASS
Band4	20	20050	1	#0	QPSK	4.10	13	PASS
Band4	20	20050	1	#0	16QAM	5.03	13	PASS
Band4	20	20175	1	#0	QPSK	5.32	13	PASS
Band4	20	20175	1	#0	16QAM	6.27	13	PASS
Band4	20	20300	1	#0	QPSK	3.42	13	PASS
Band4	20	20300	1	#0	16QAM	4.18	13	PASS

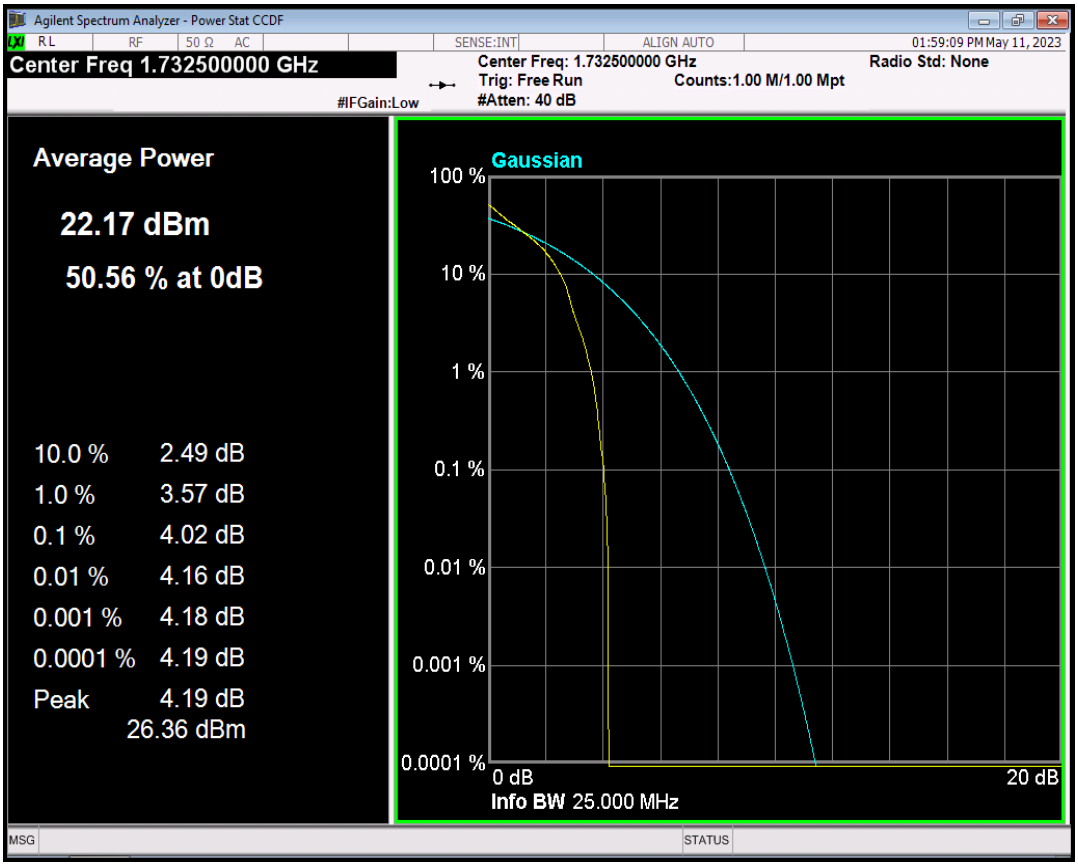
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



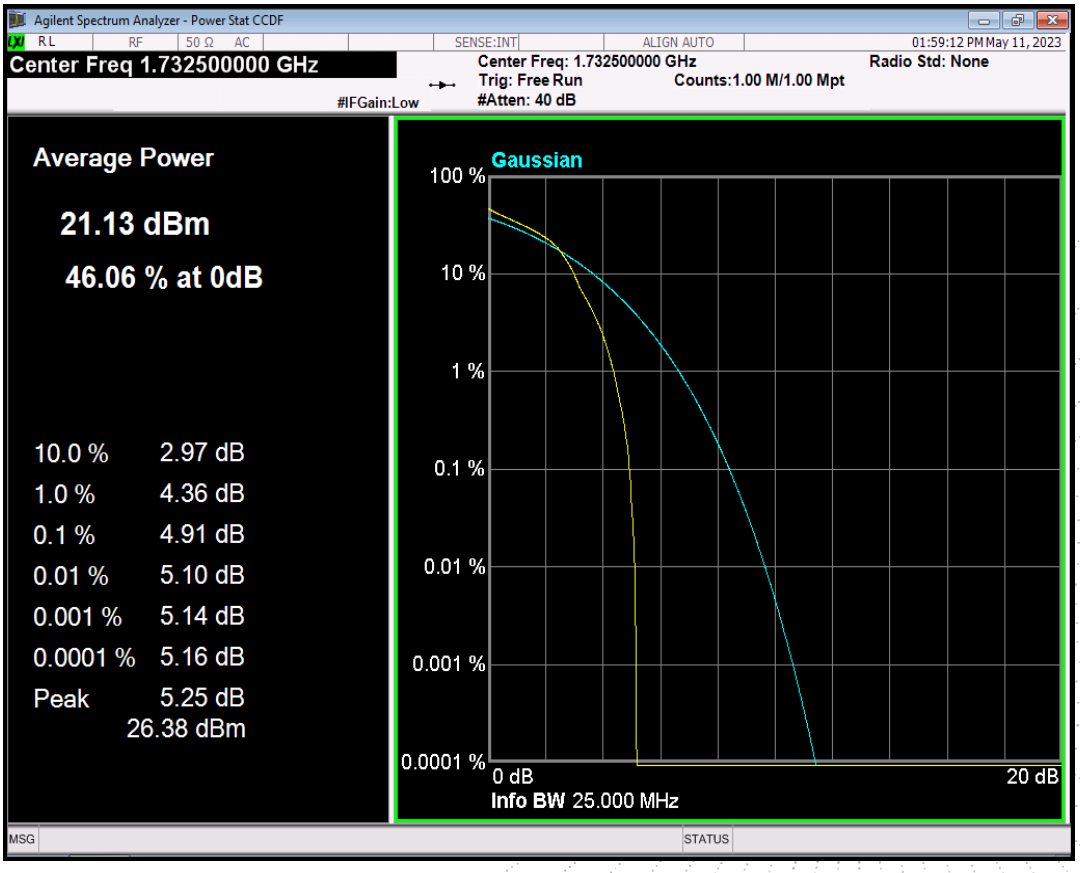
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



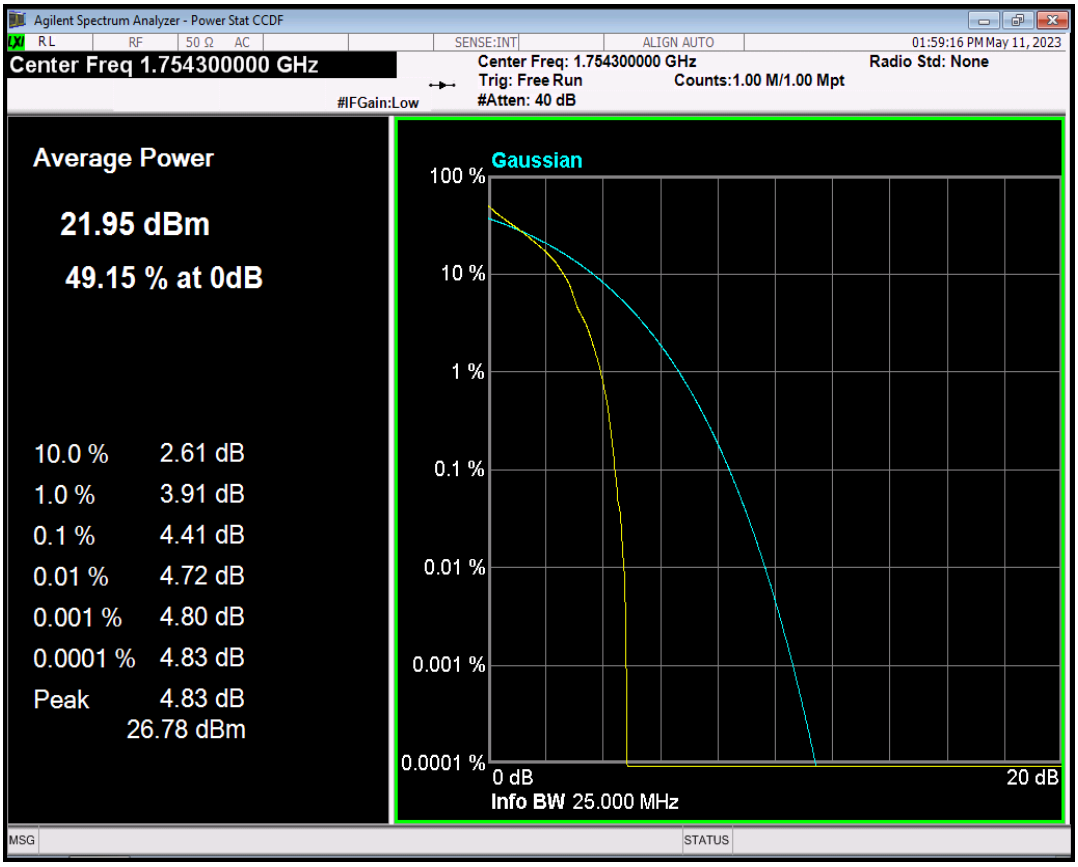
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



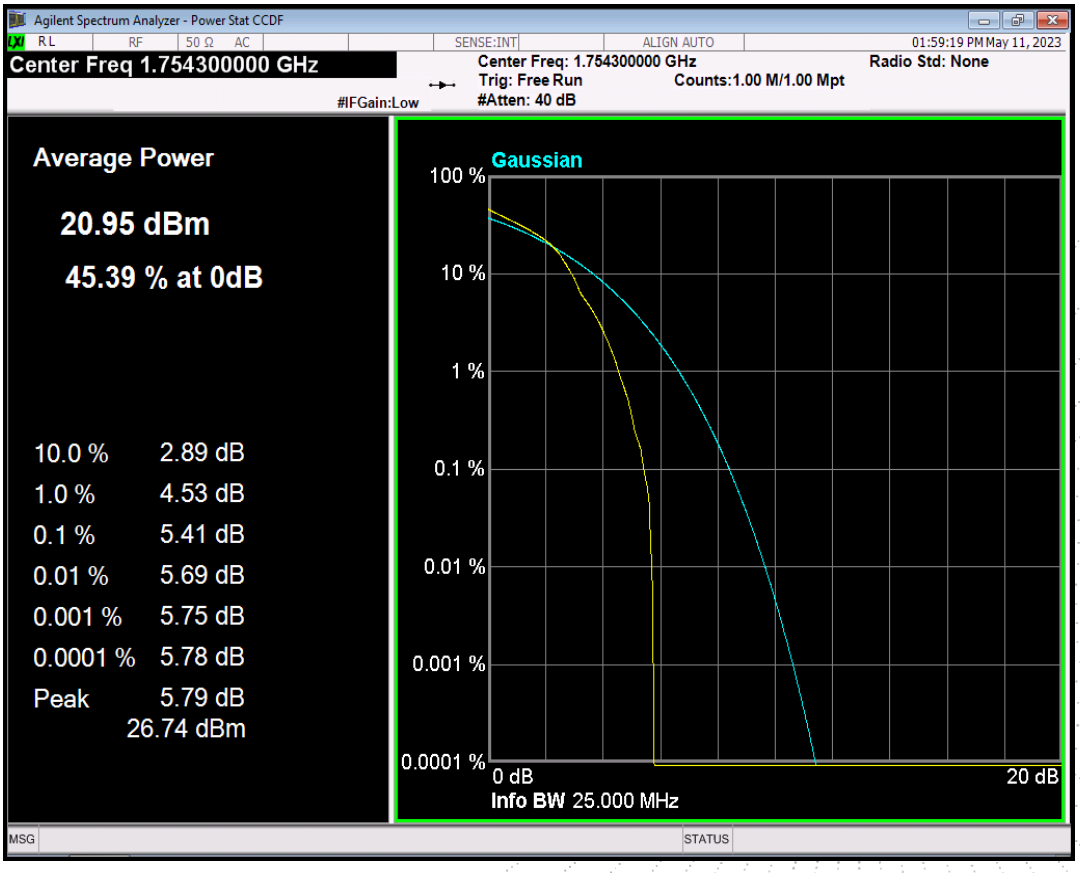
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



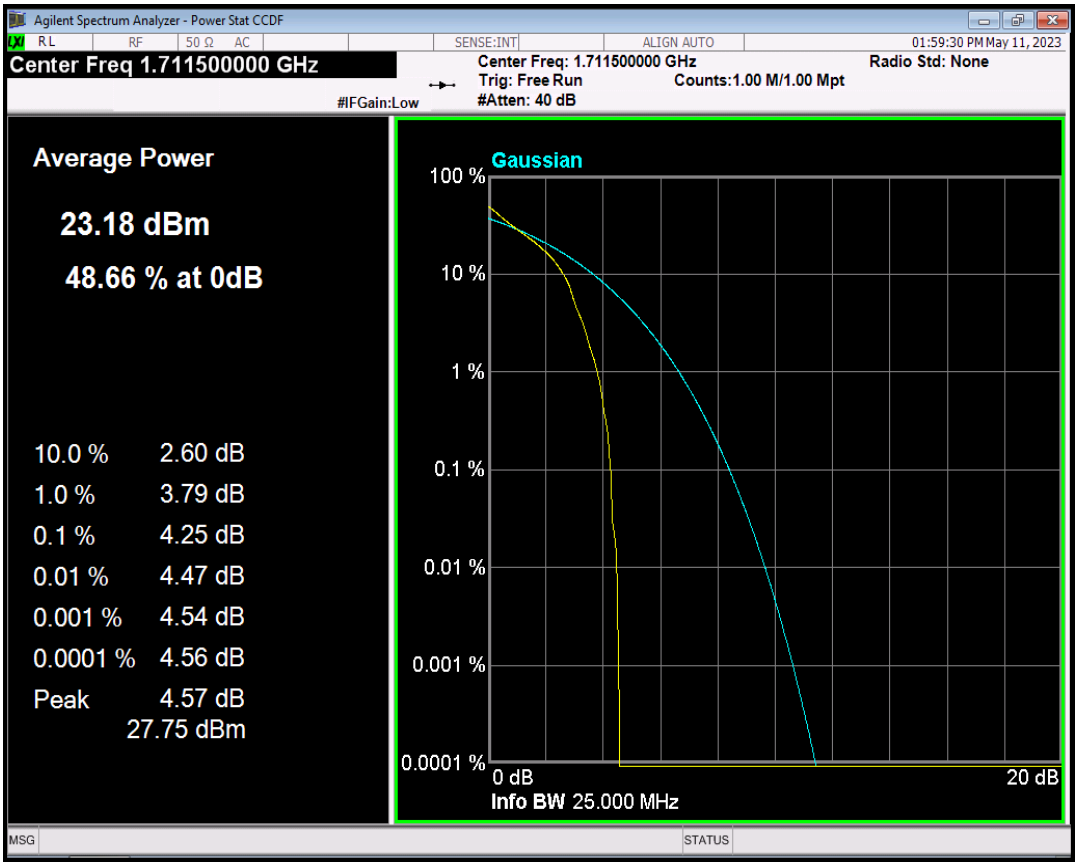
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



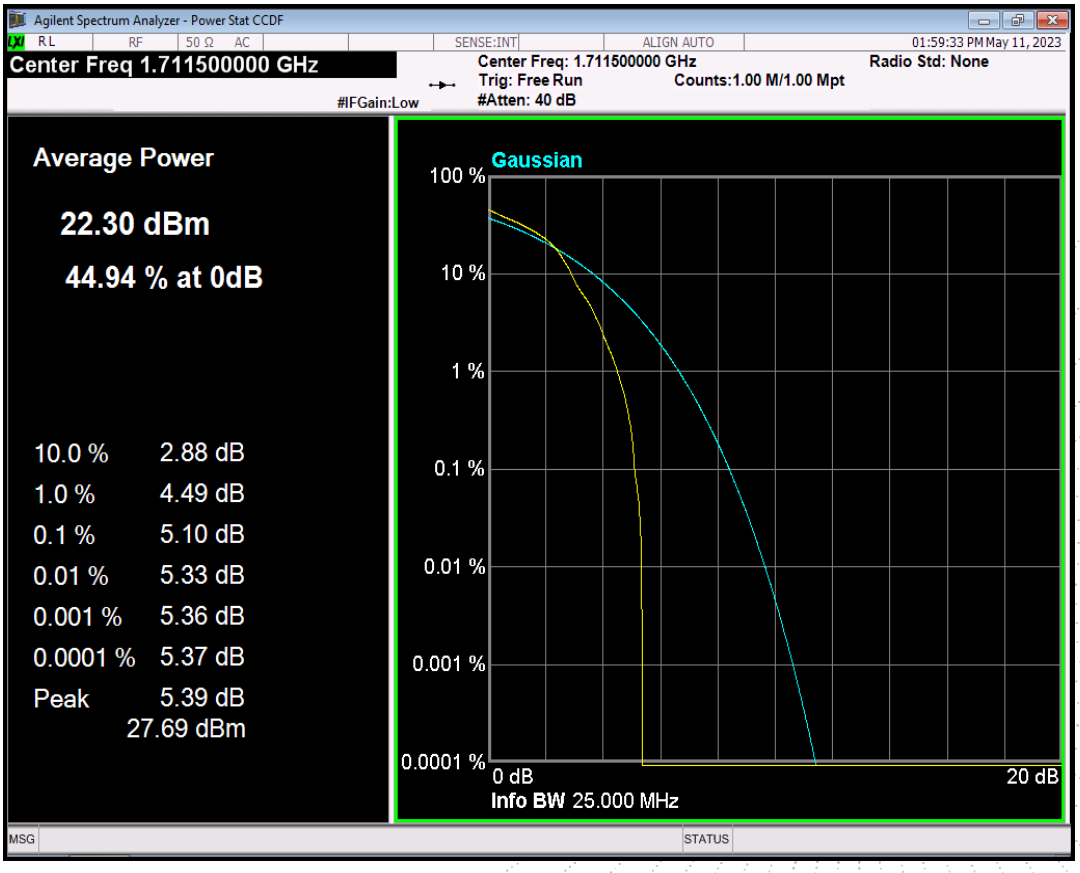
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



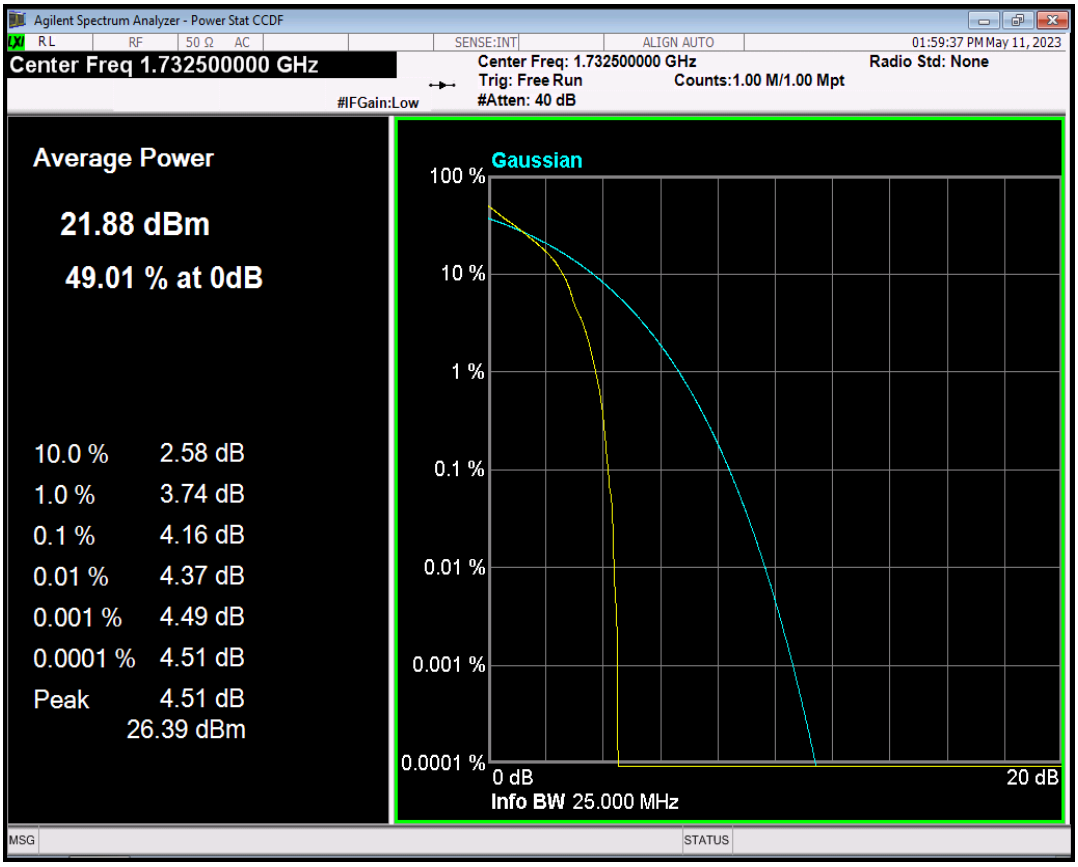
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



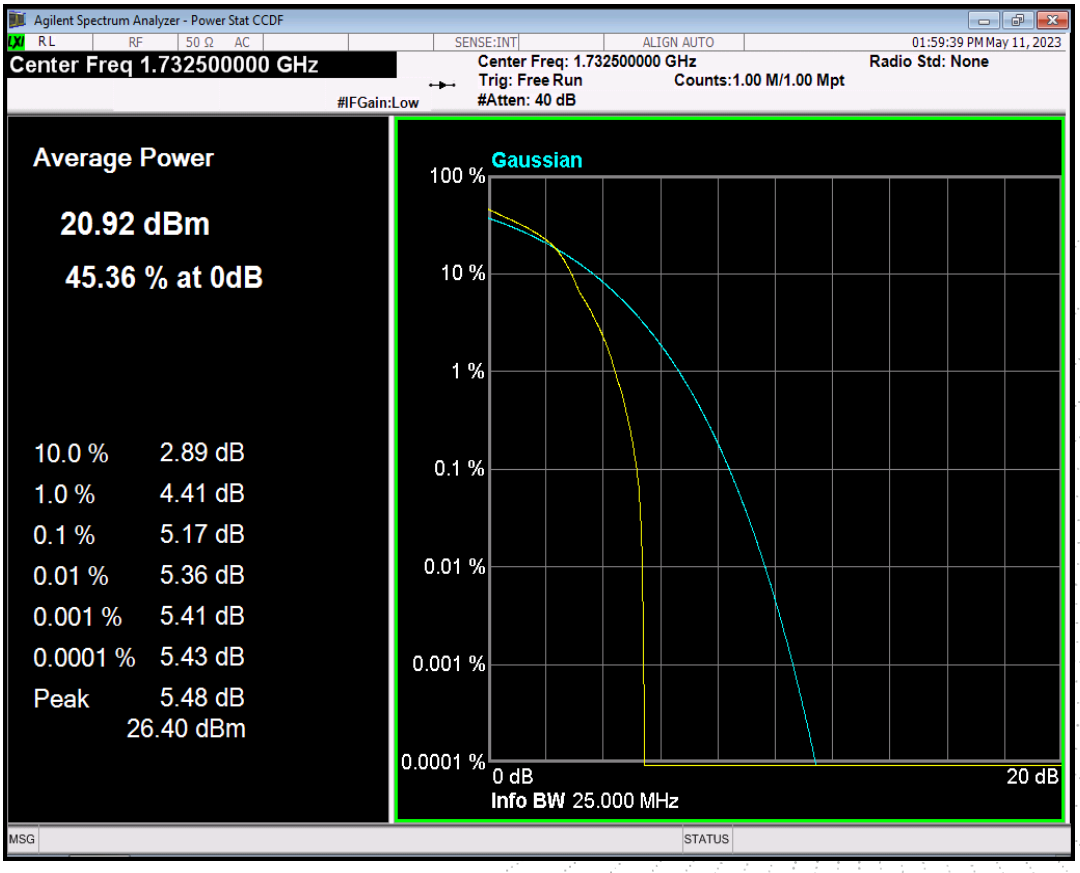
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



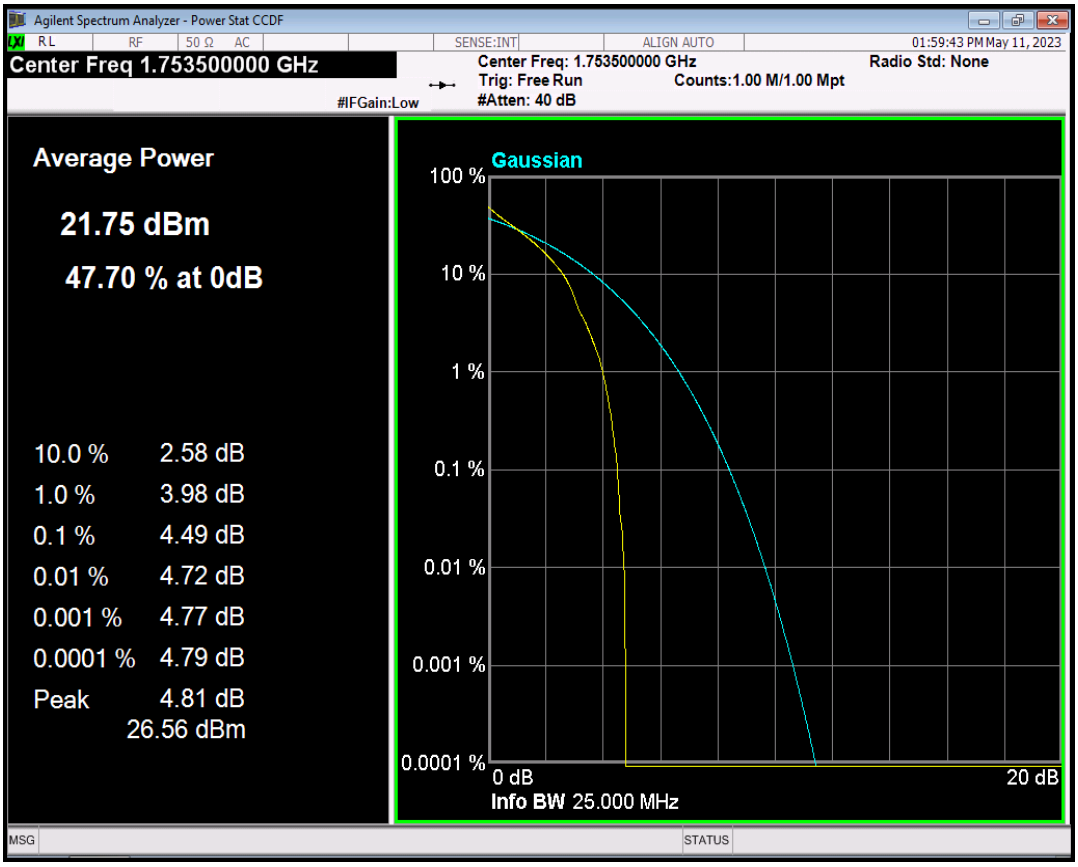
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



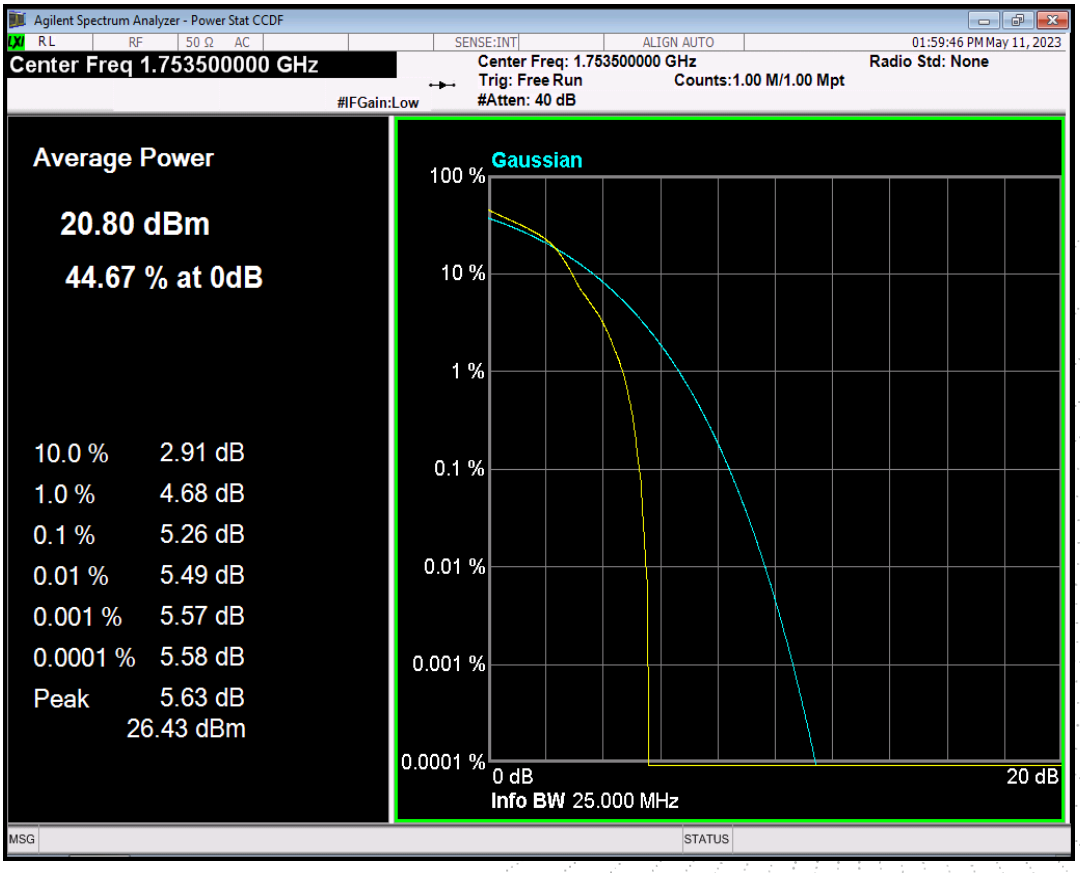
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



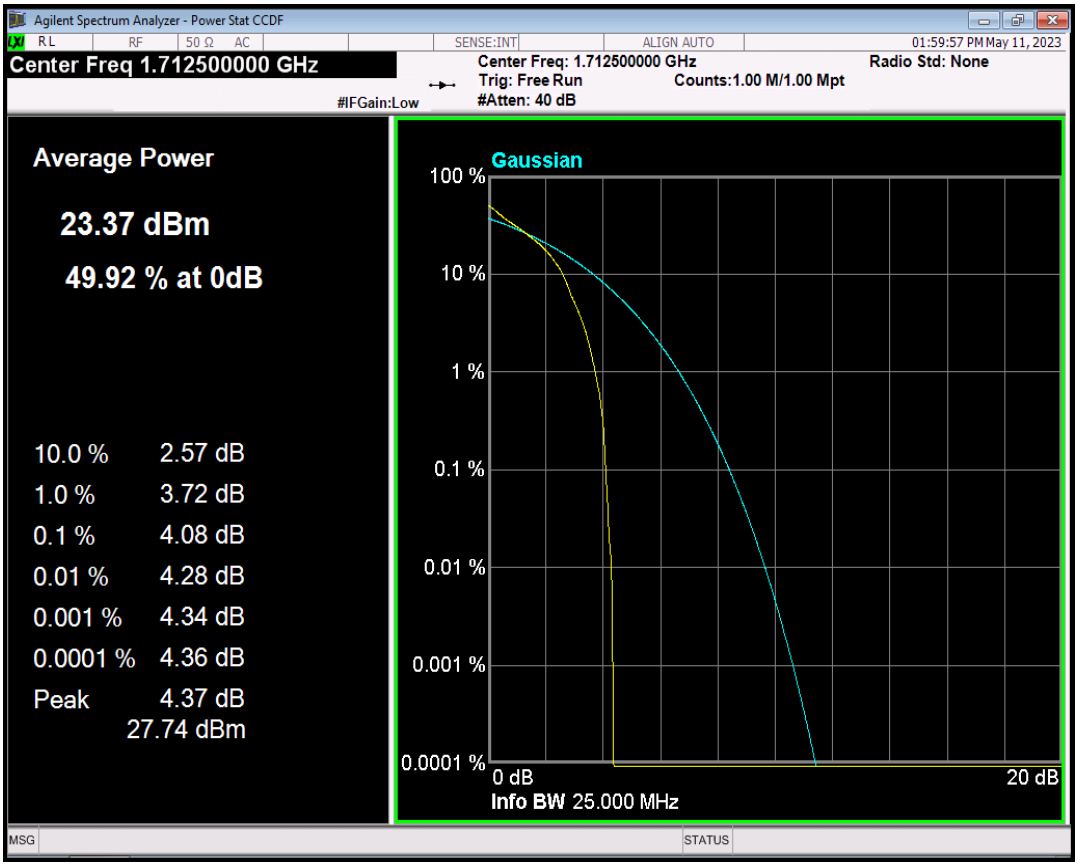
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



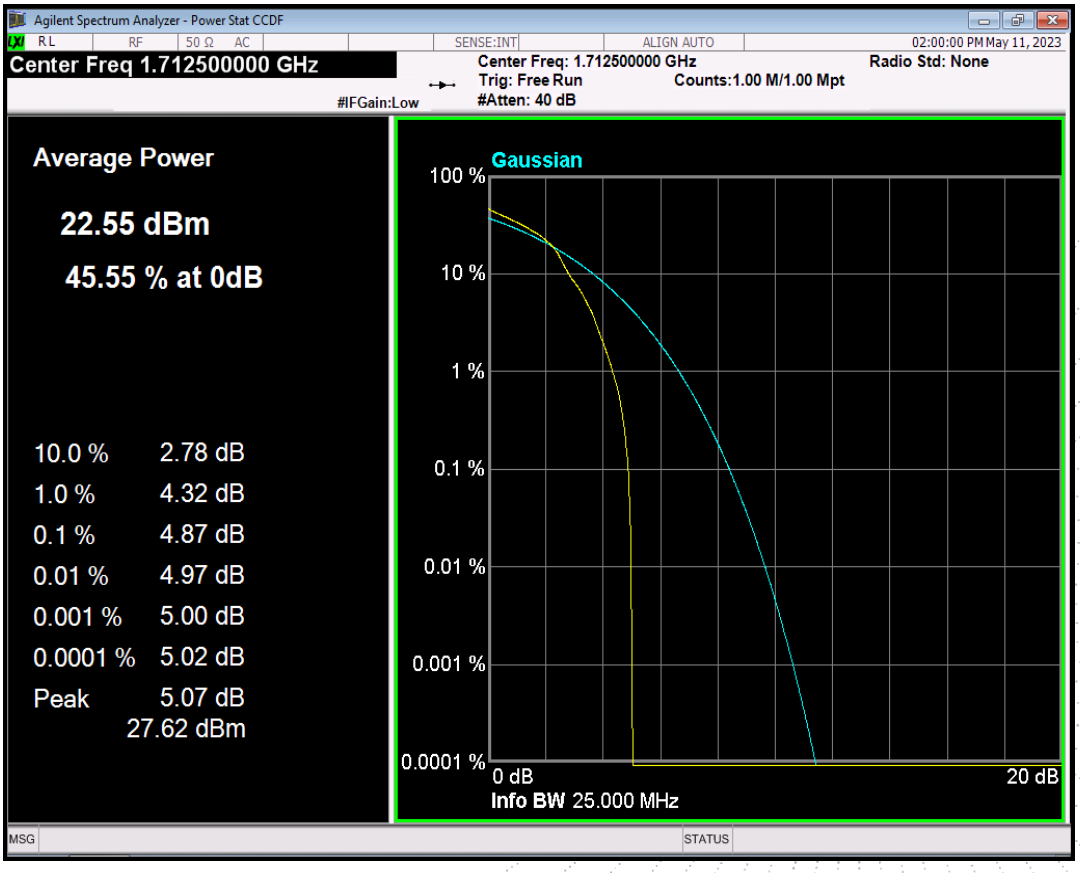
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



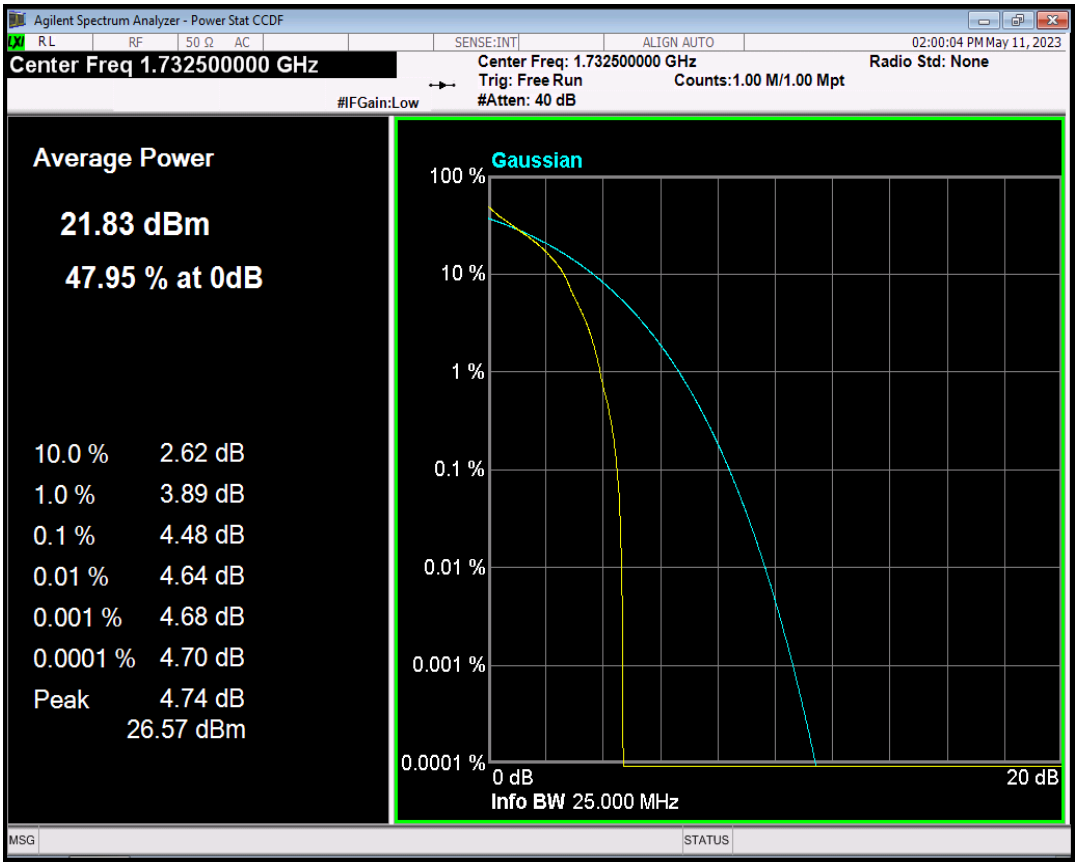
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



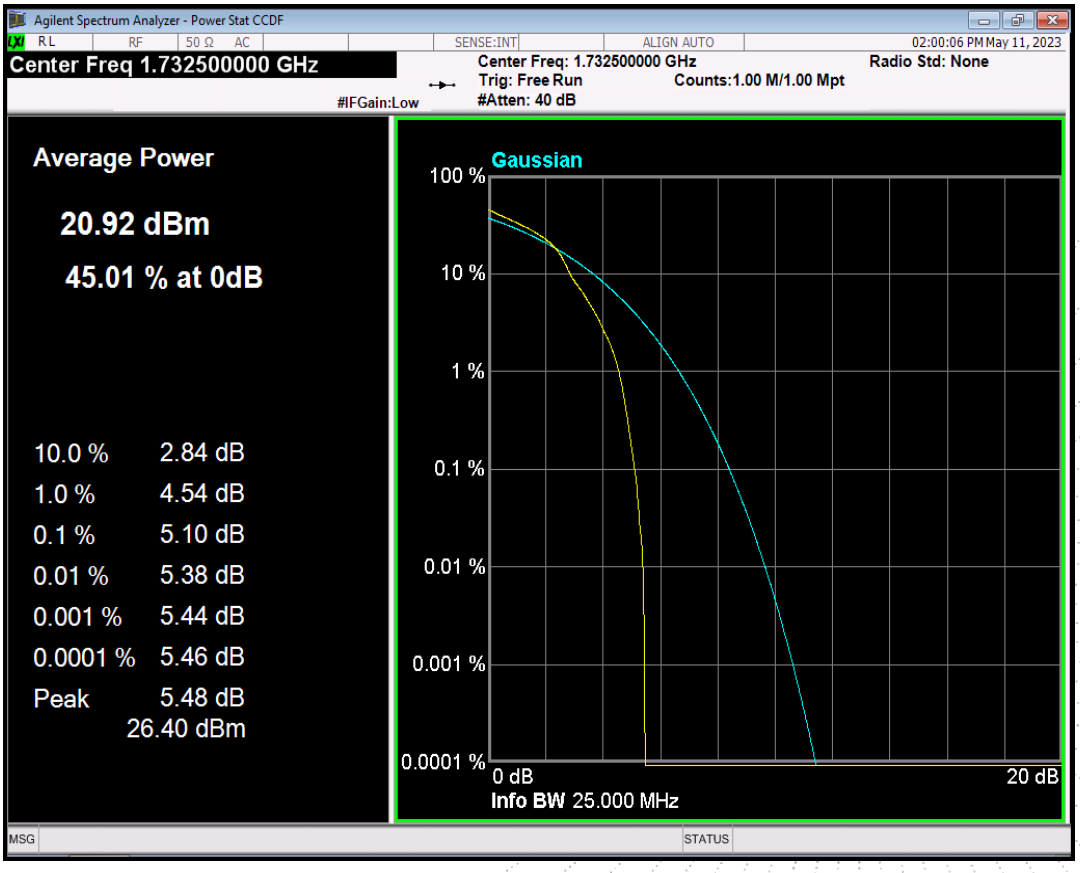
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



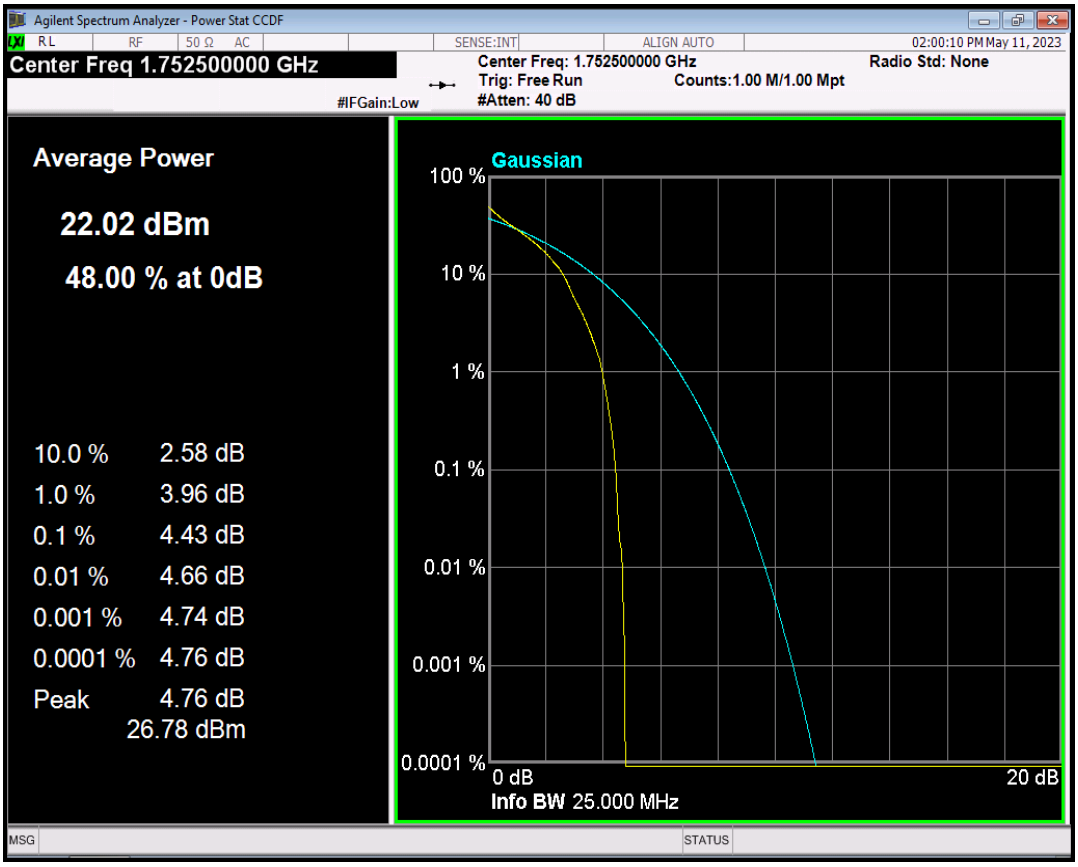
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



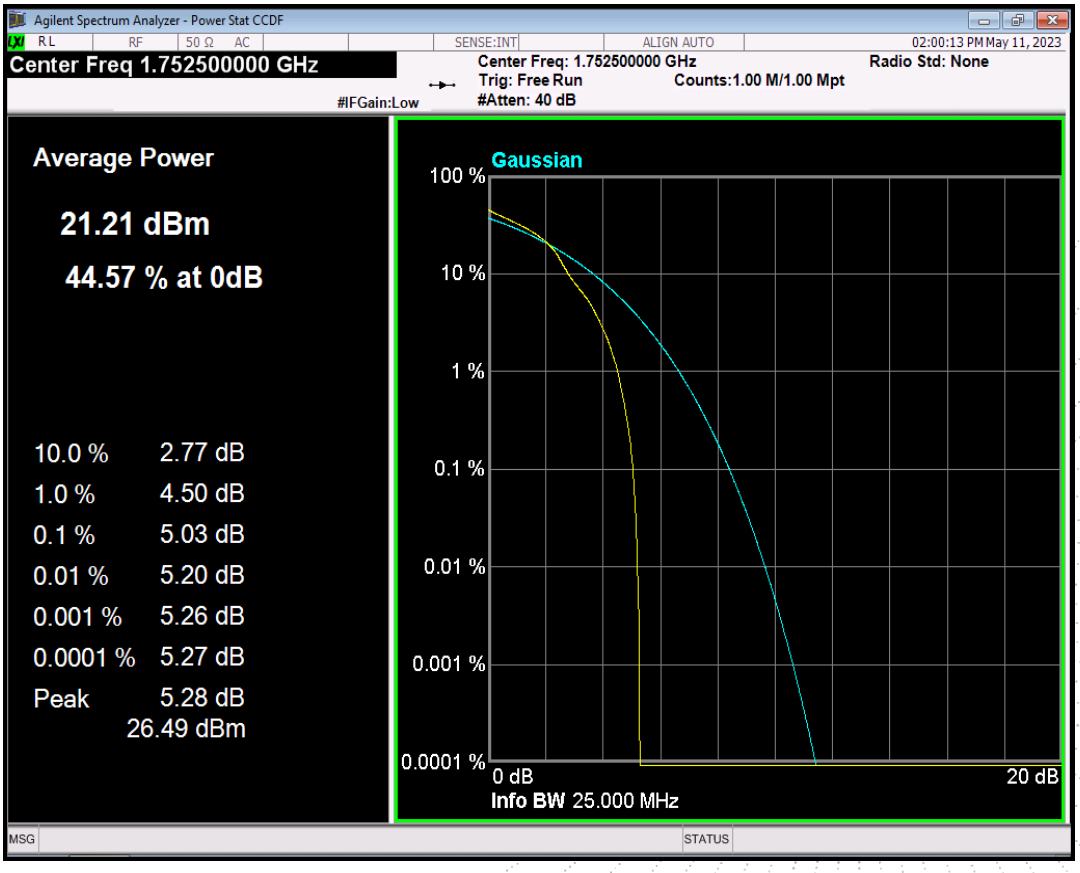
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



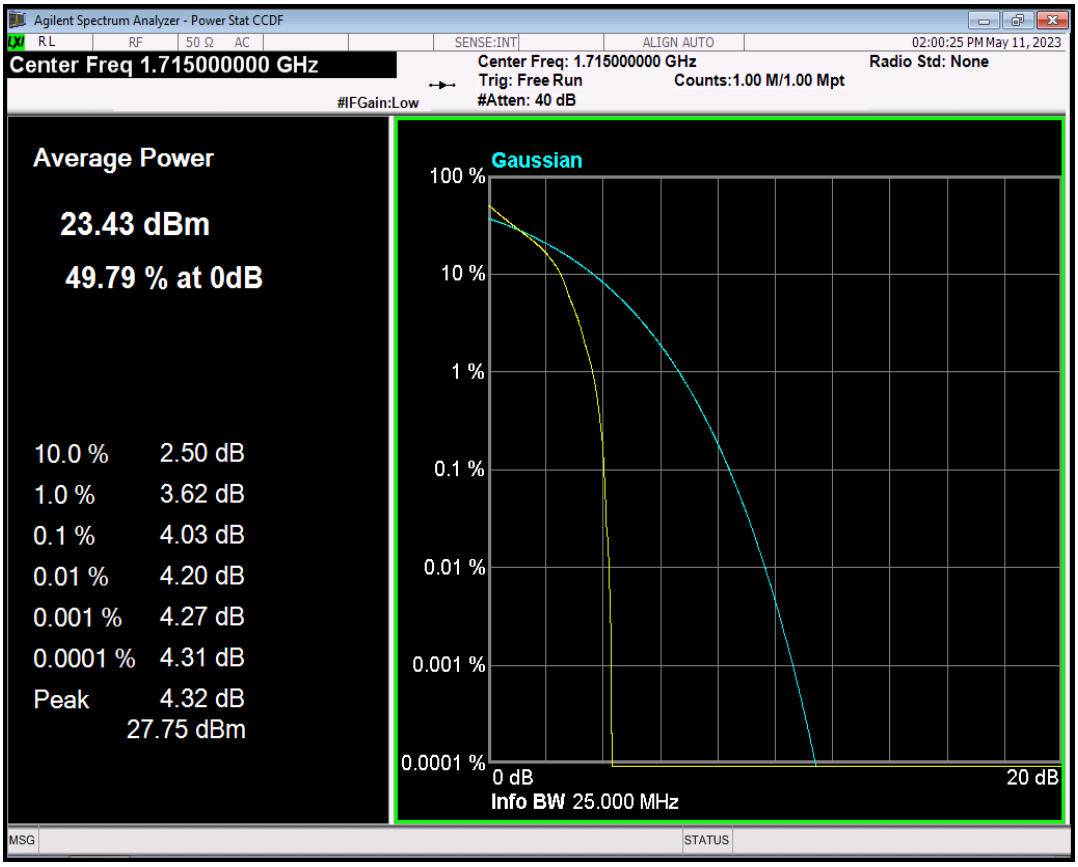
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



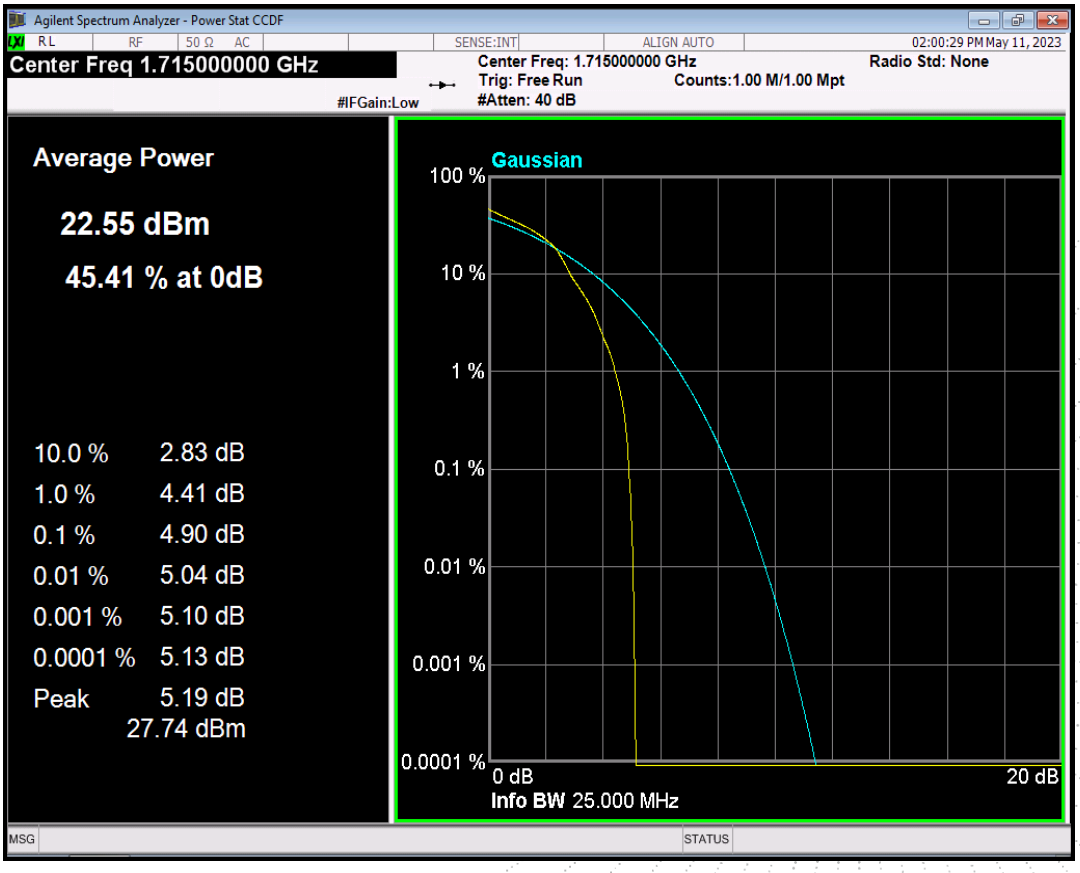
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



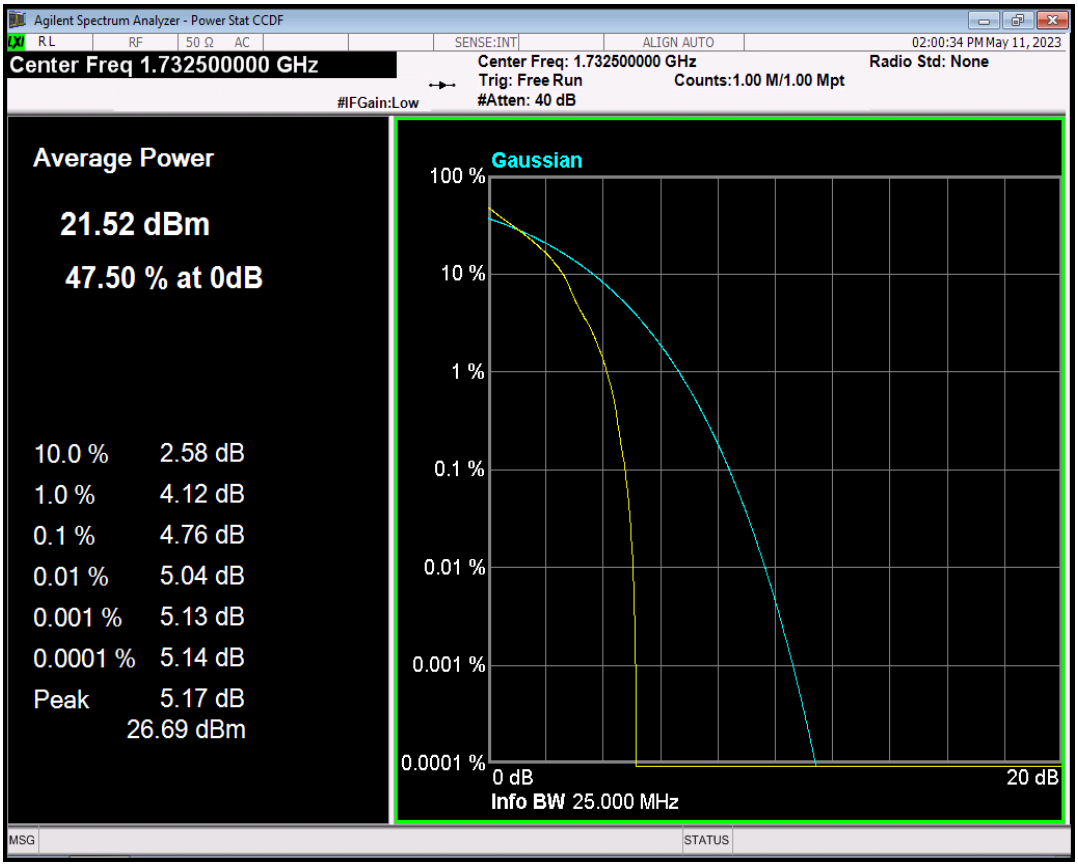
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



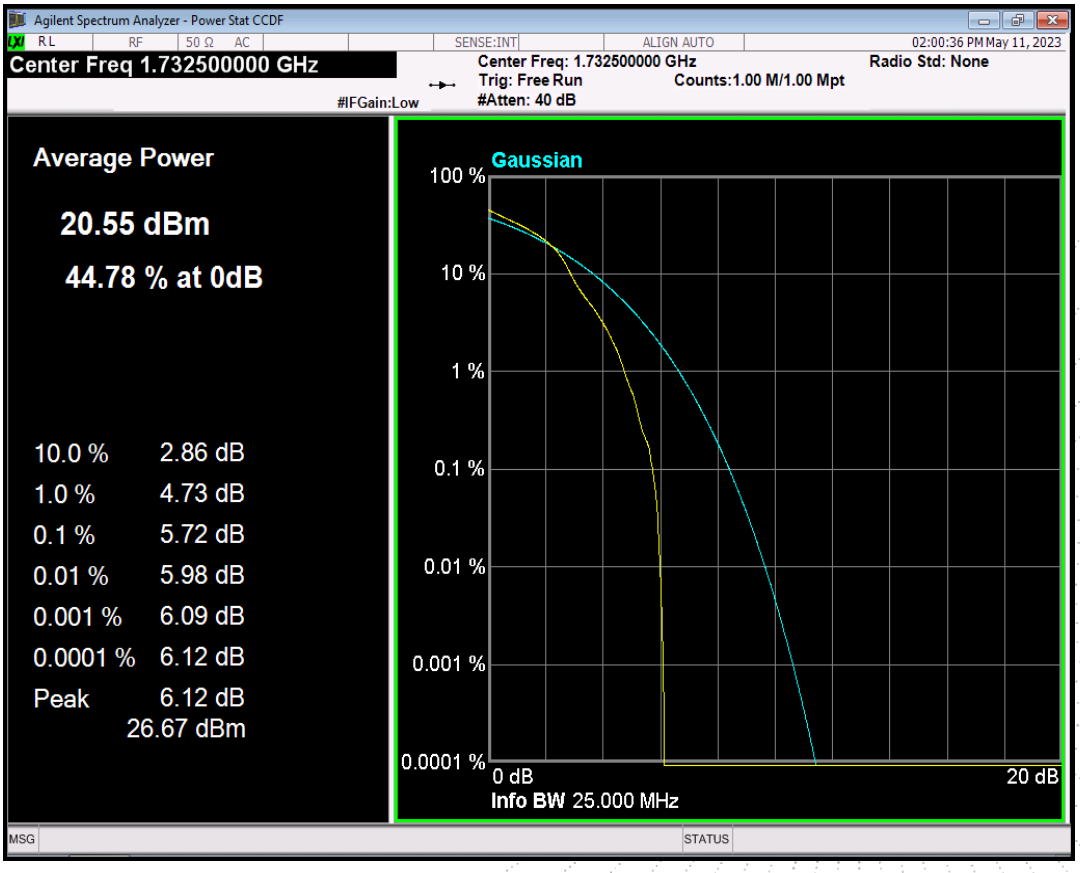
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



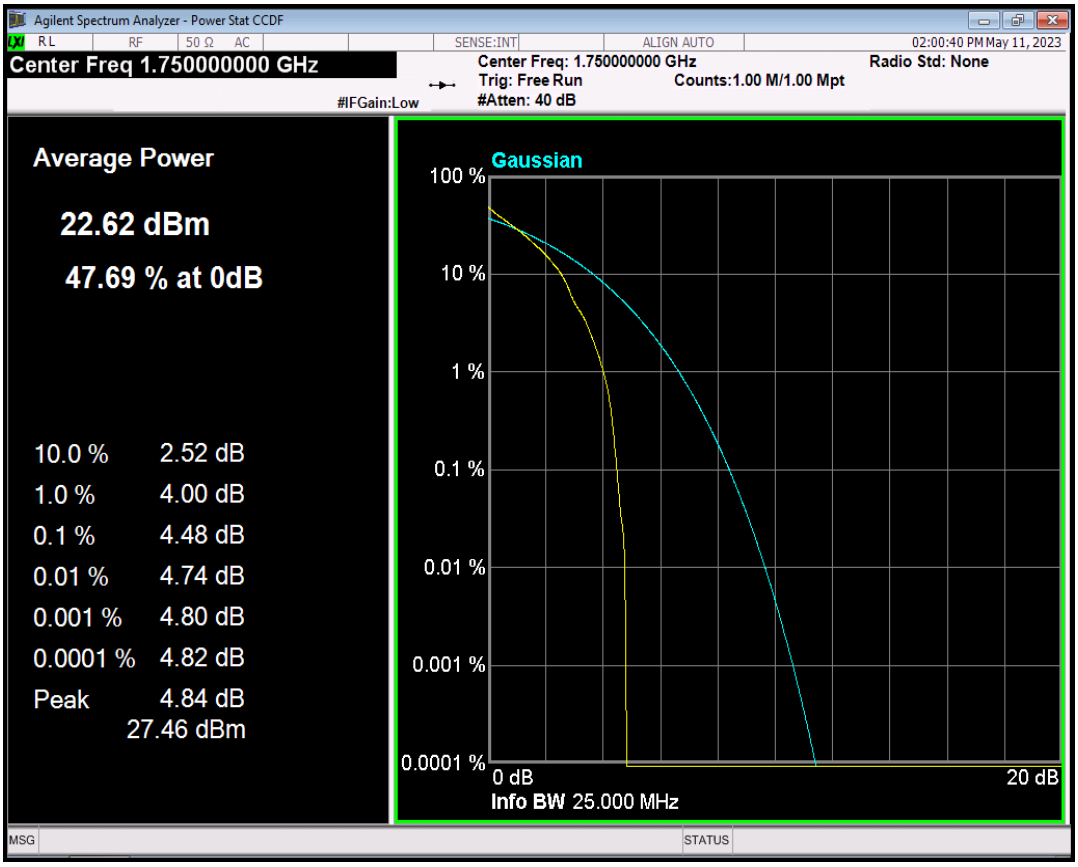
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



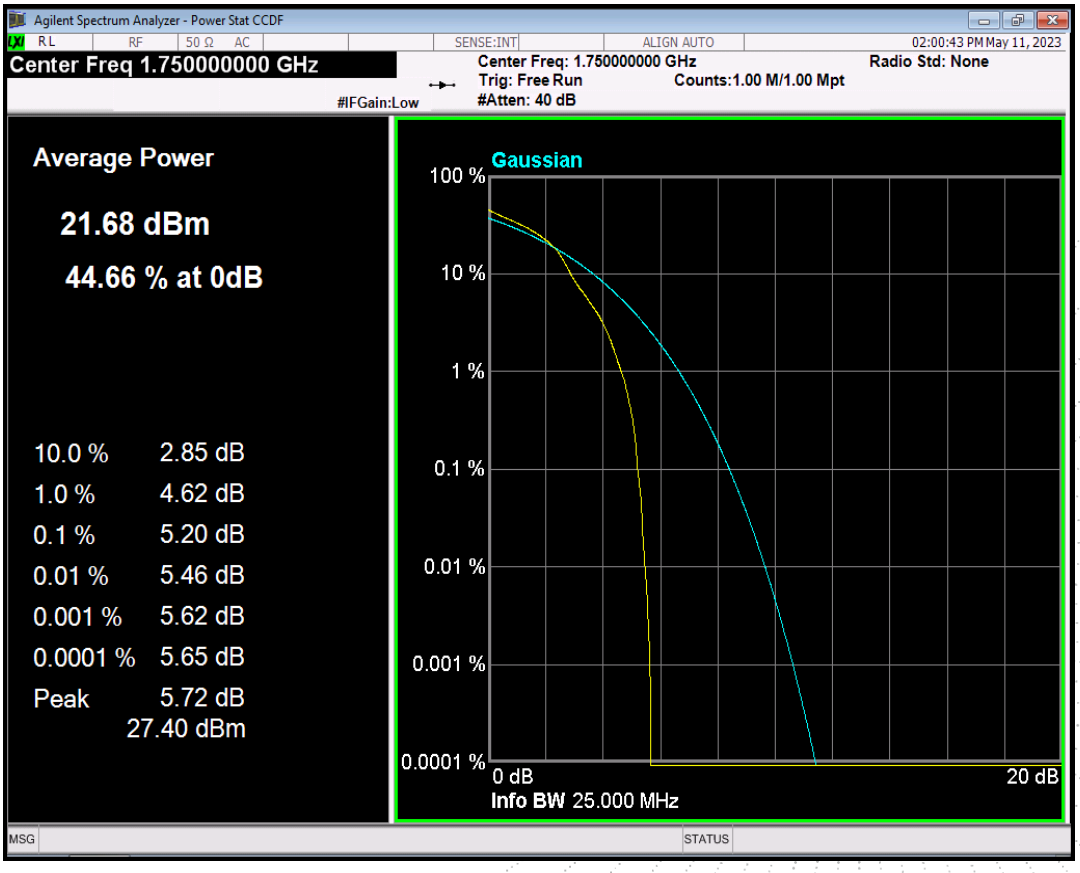
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



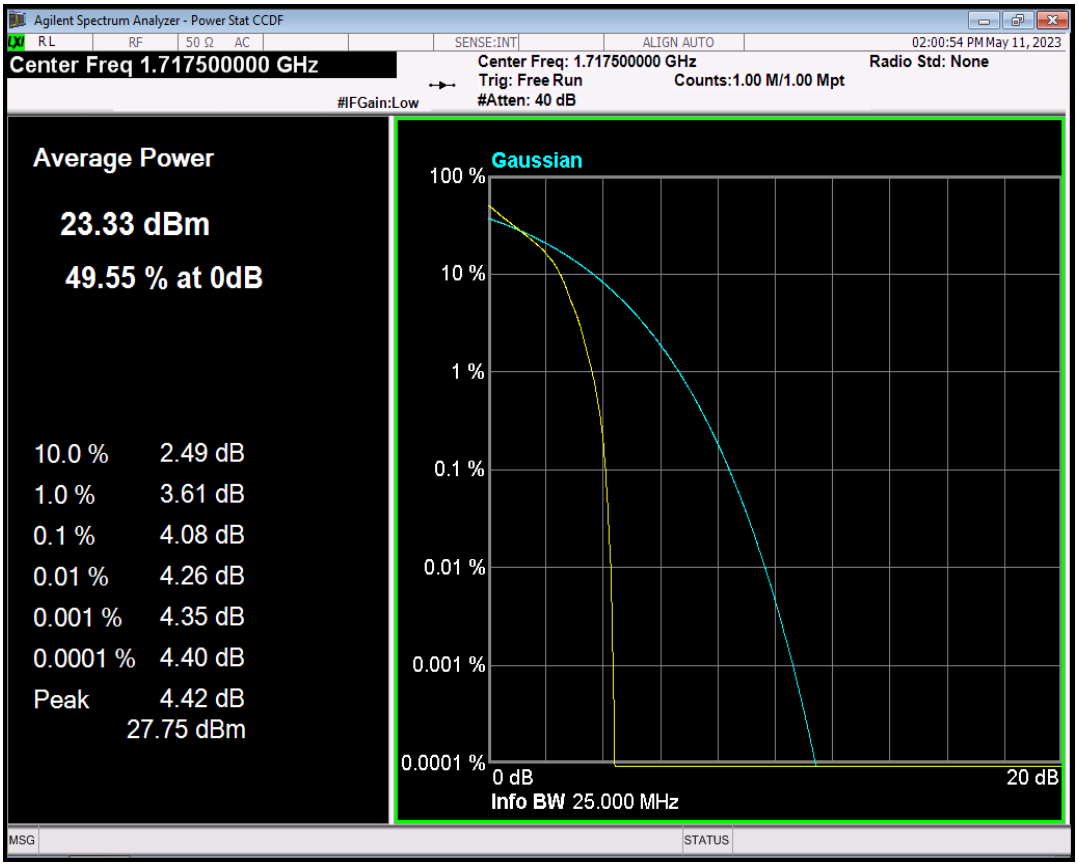
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



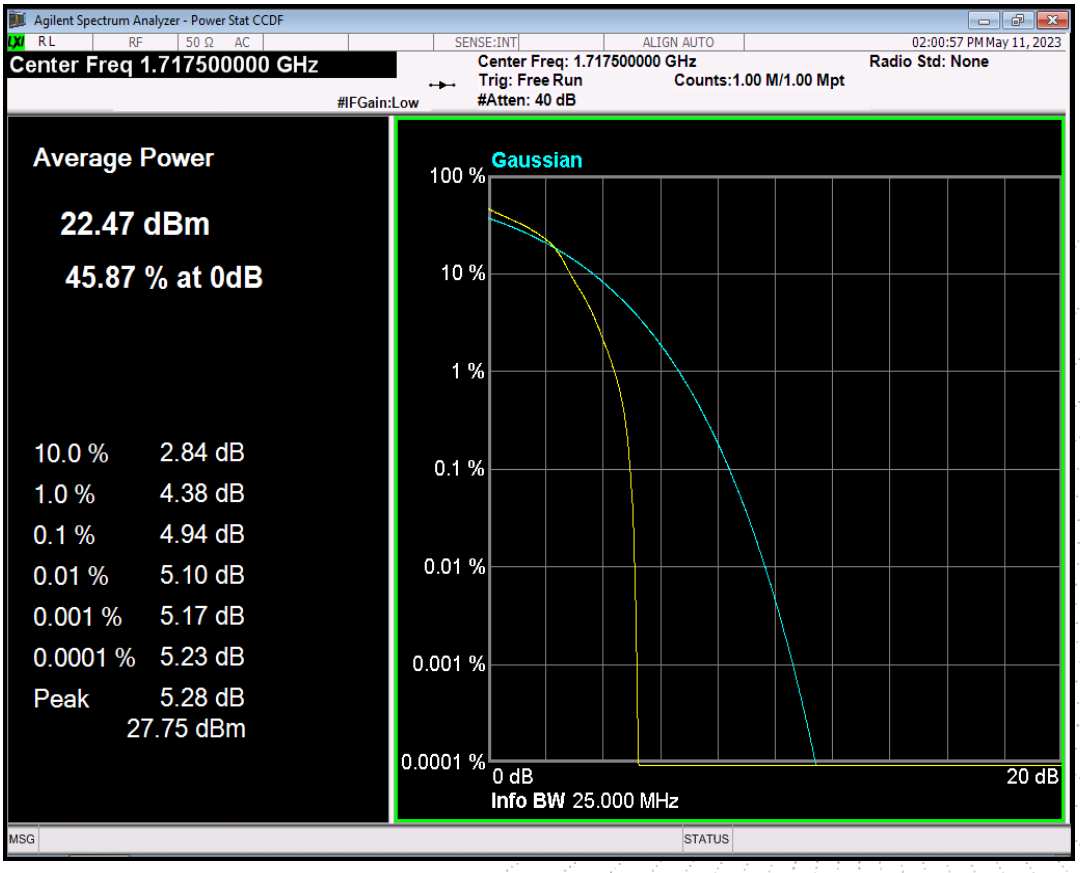
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



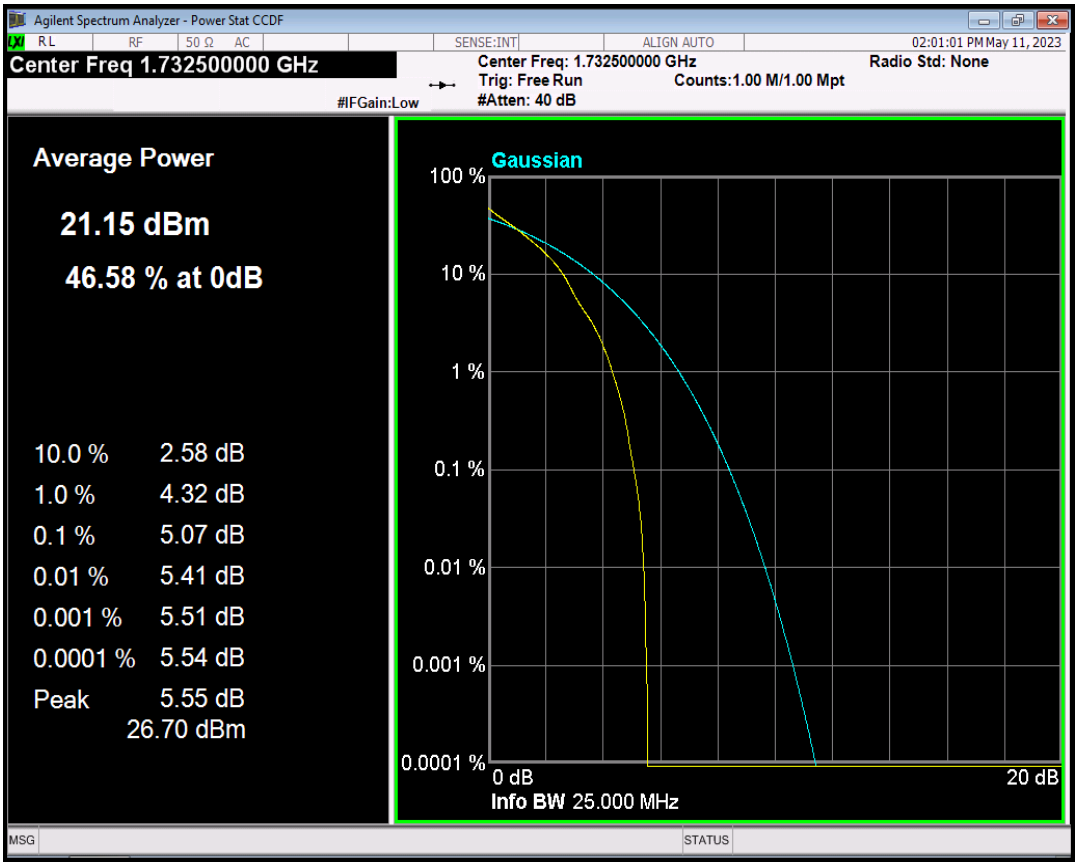
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



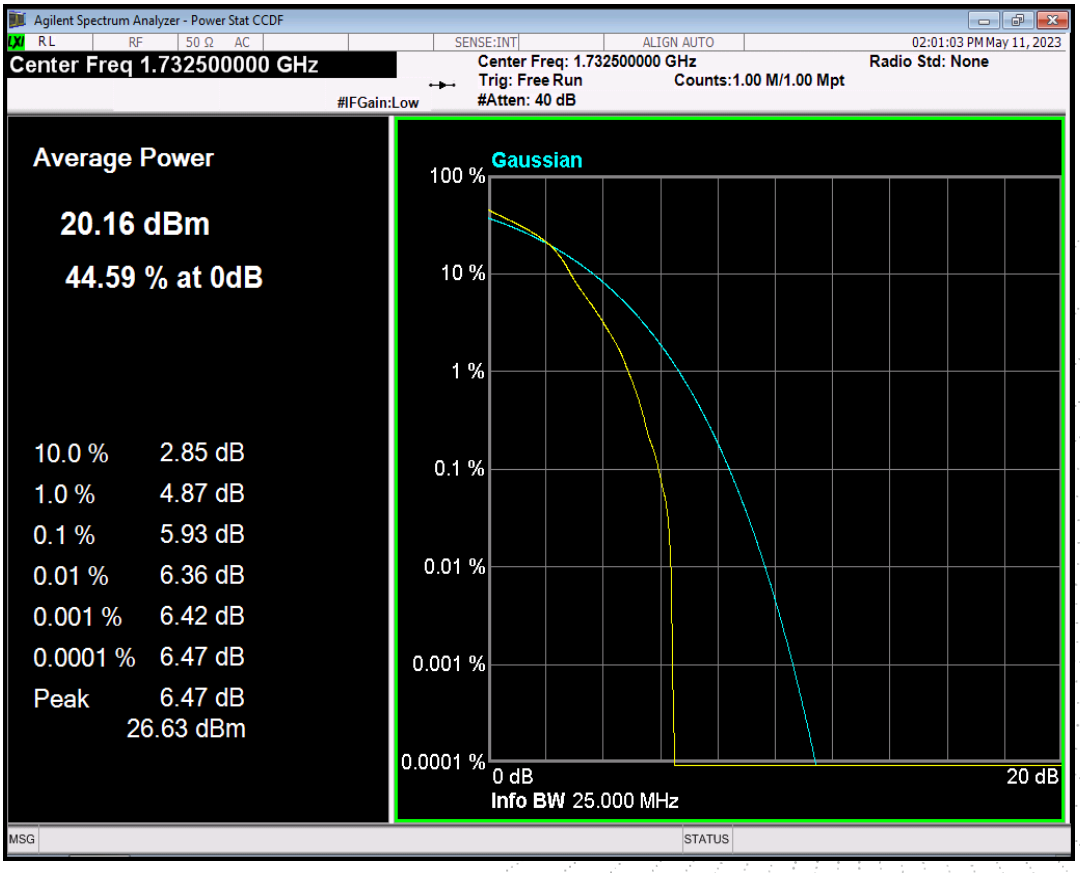
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



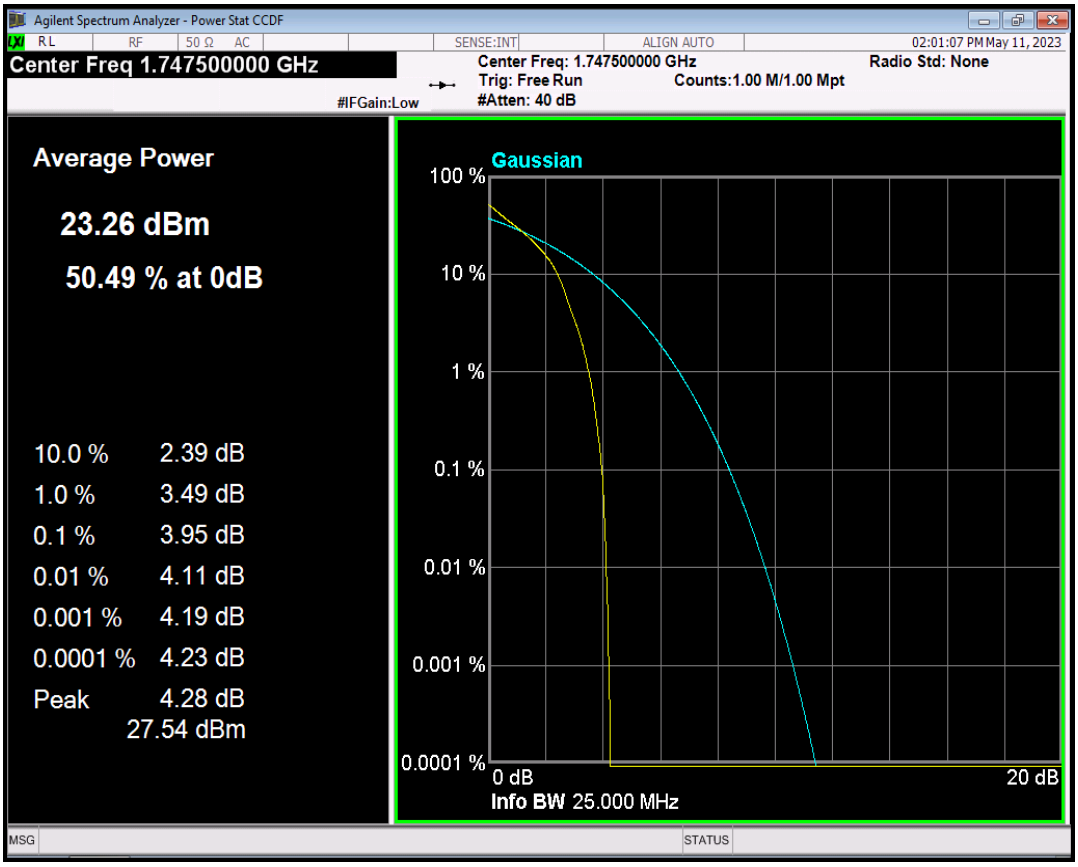
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



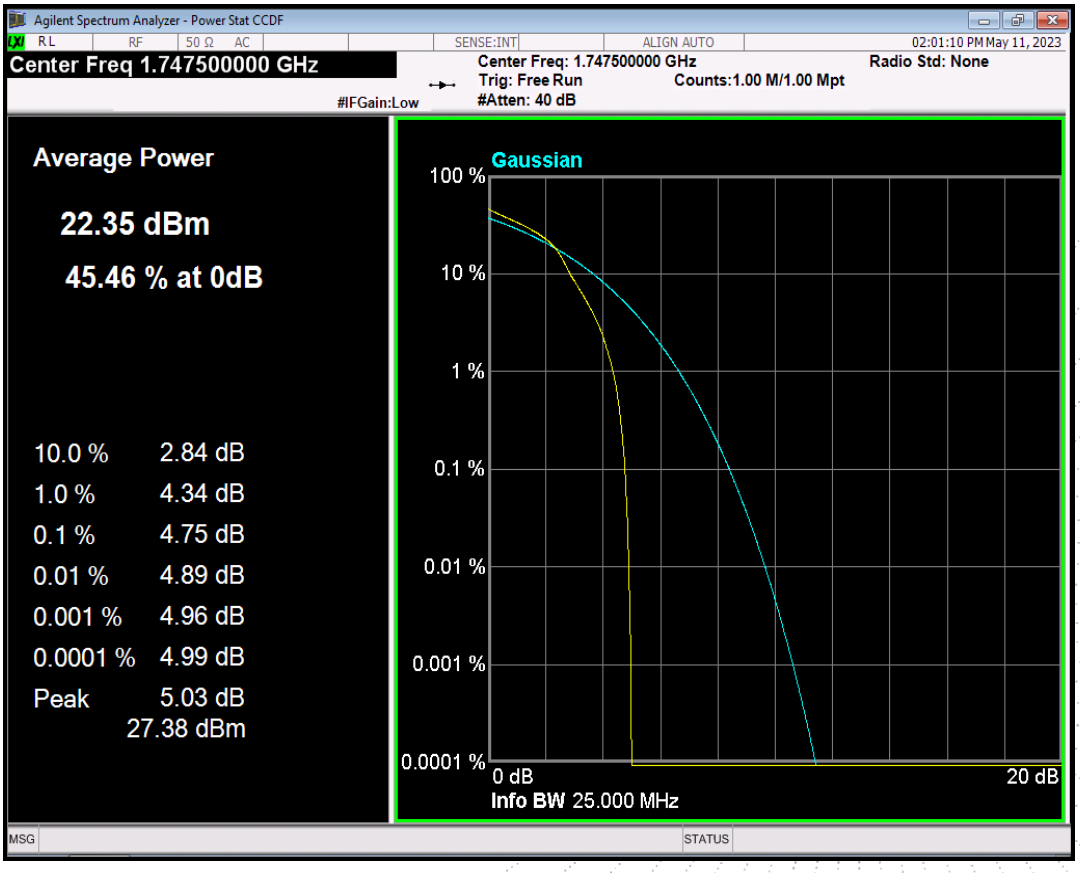
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



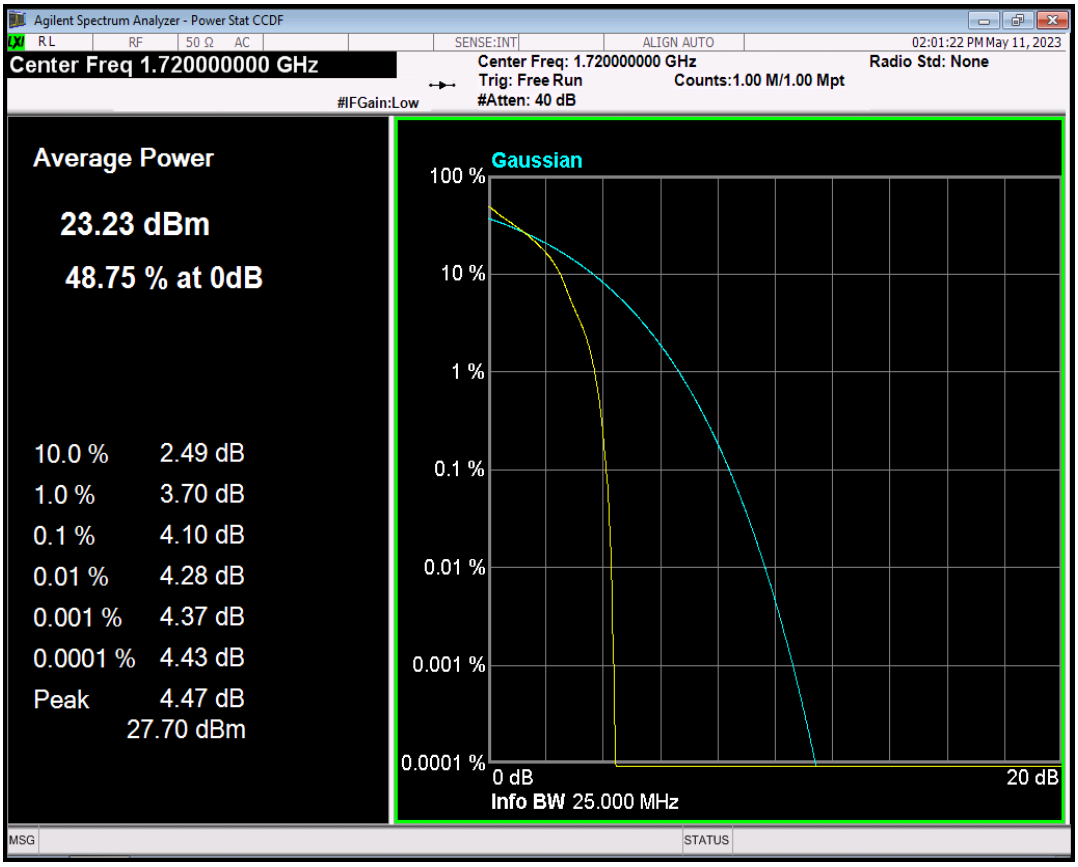
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



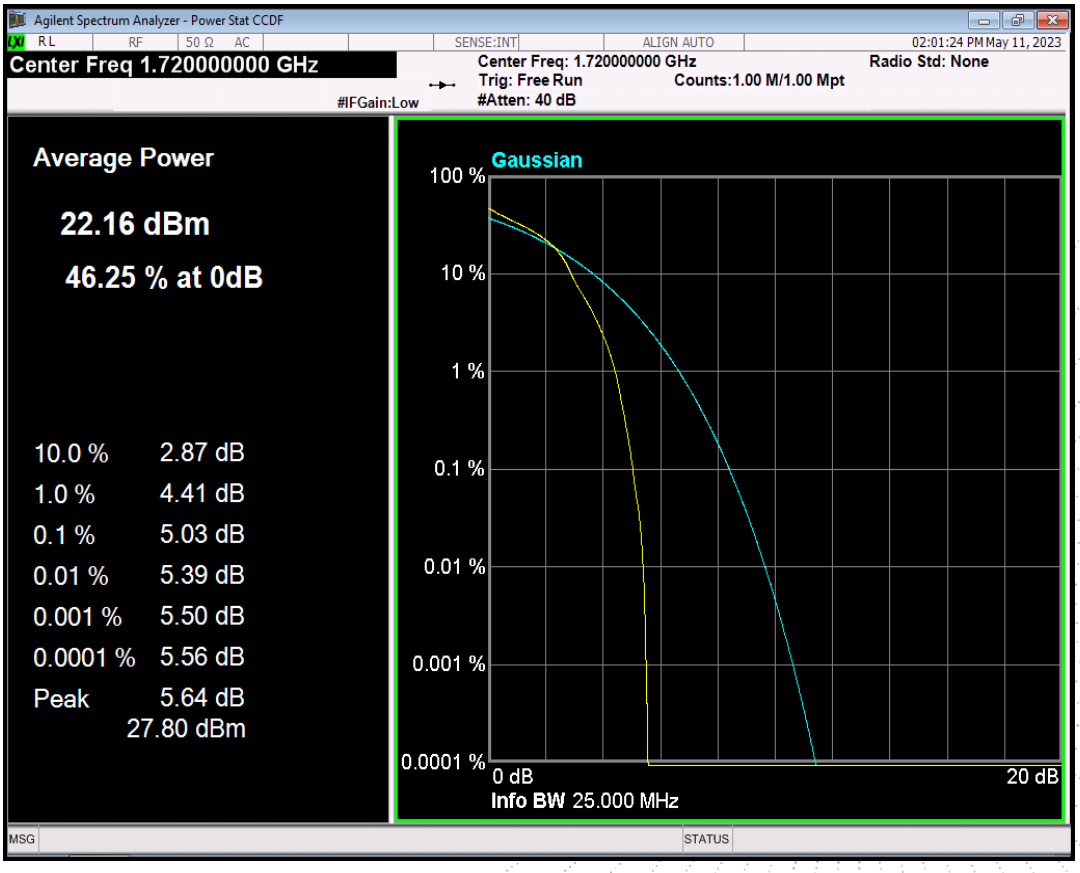
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



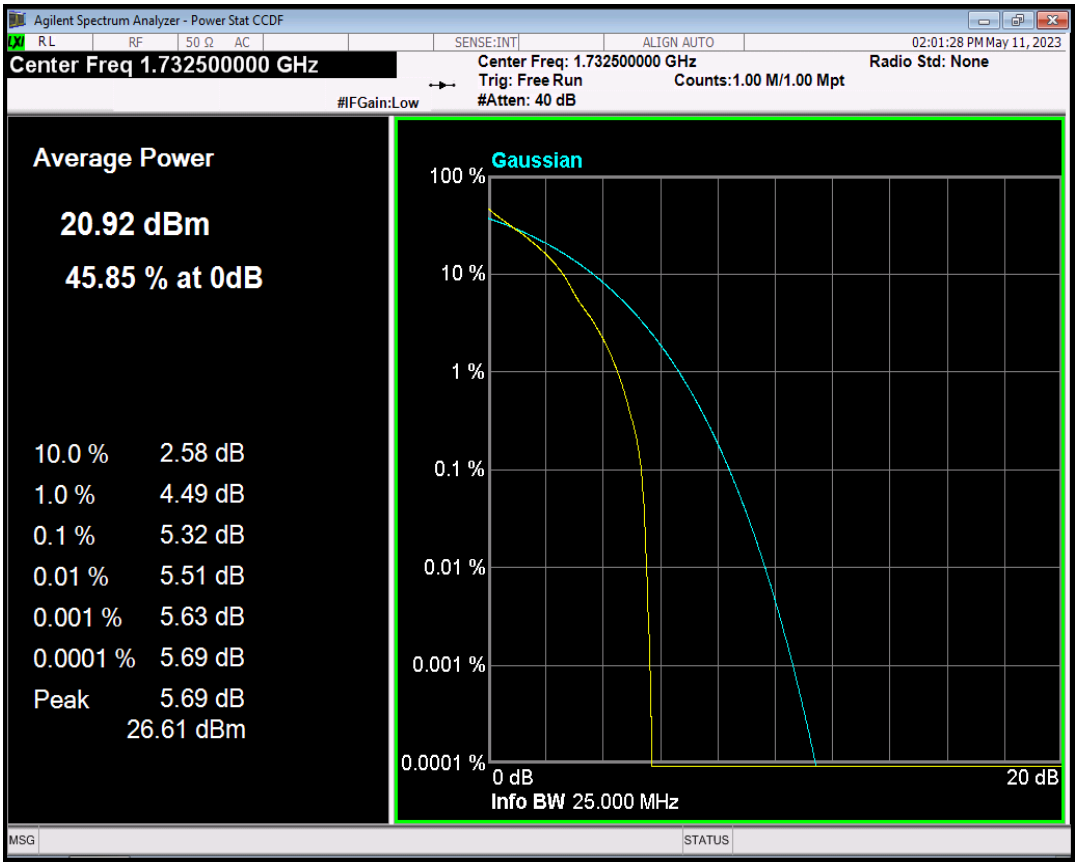
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



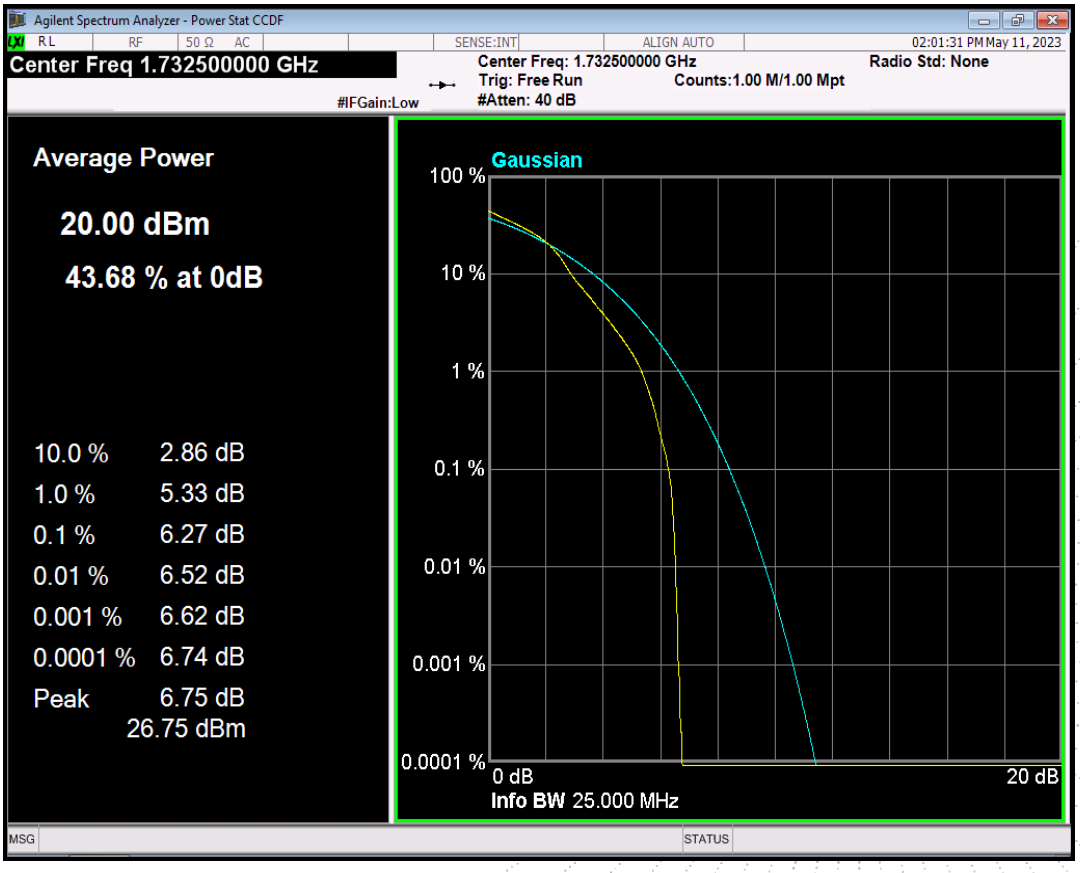
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



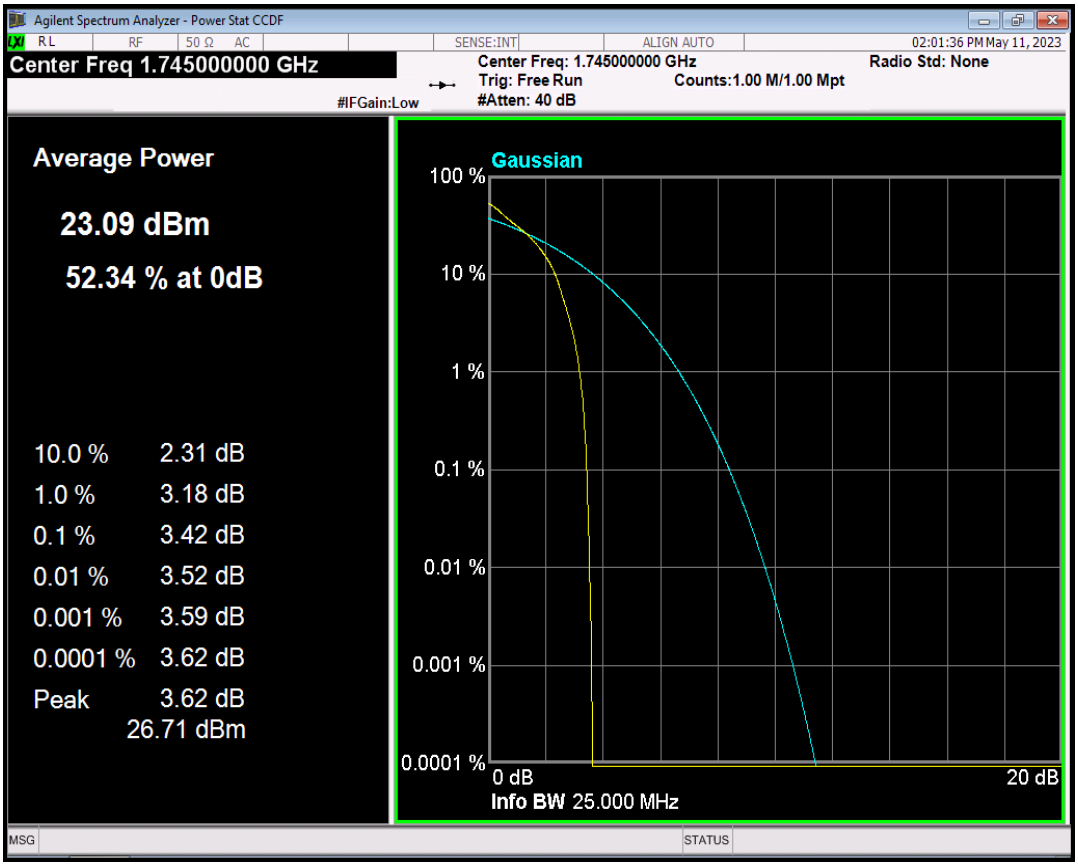
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



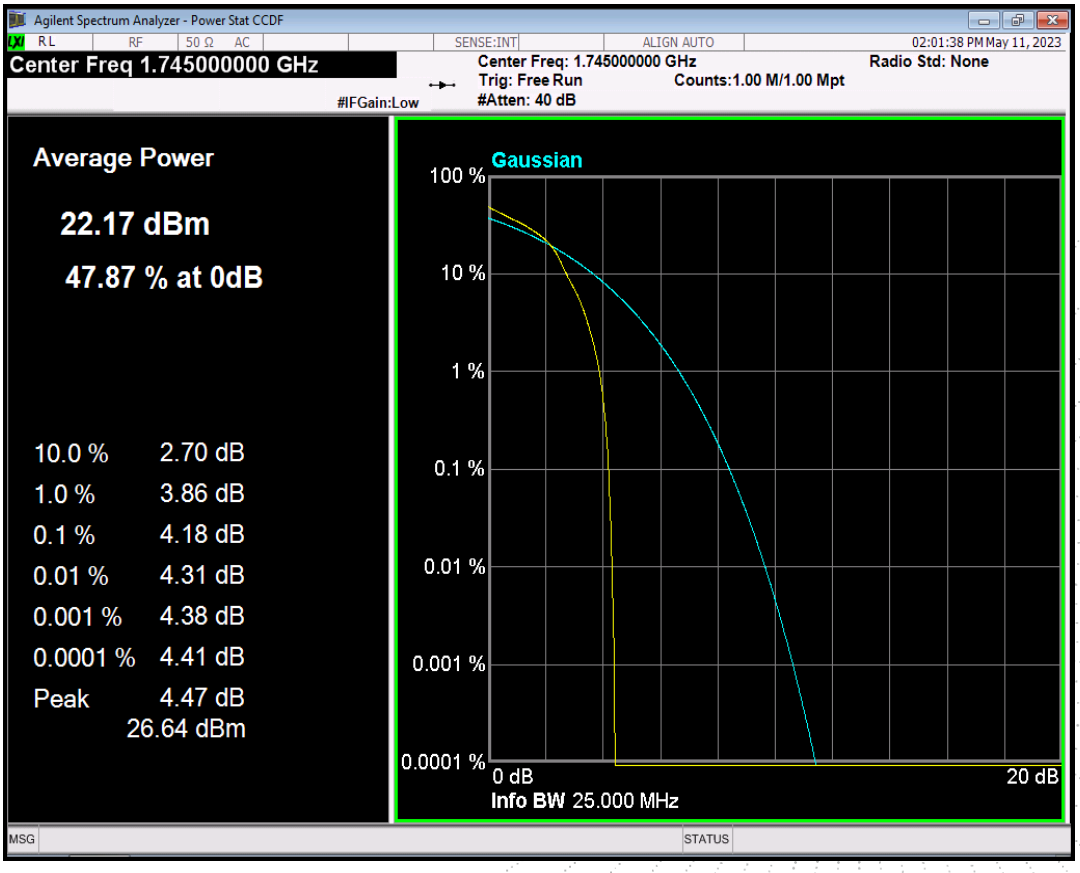
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



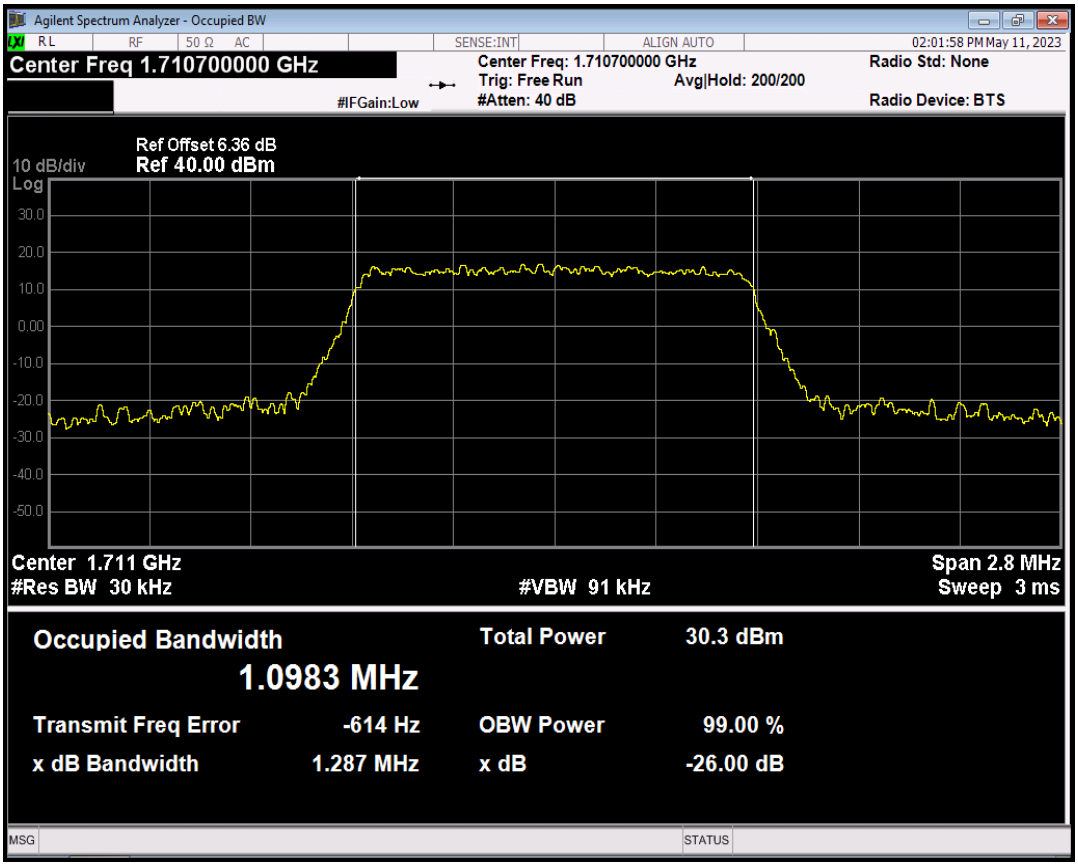
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



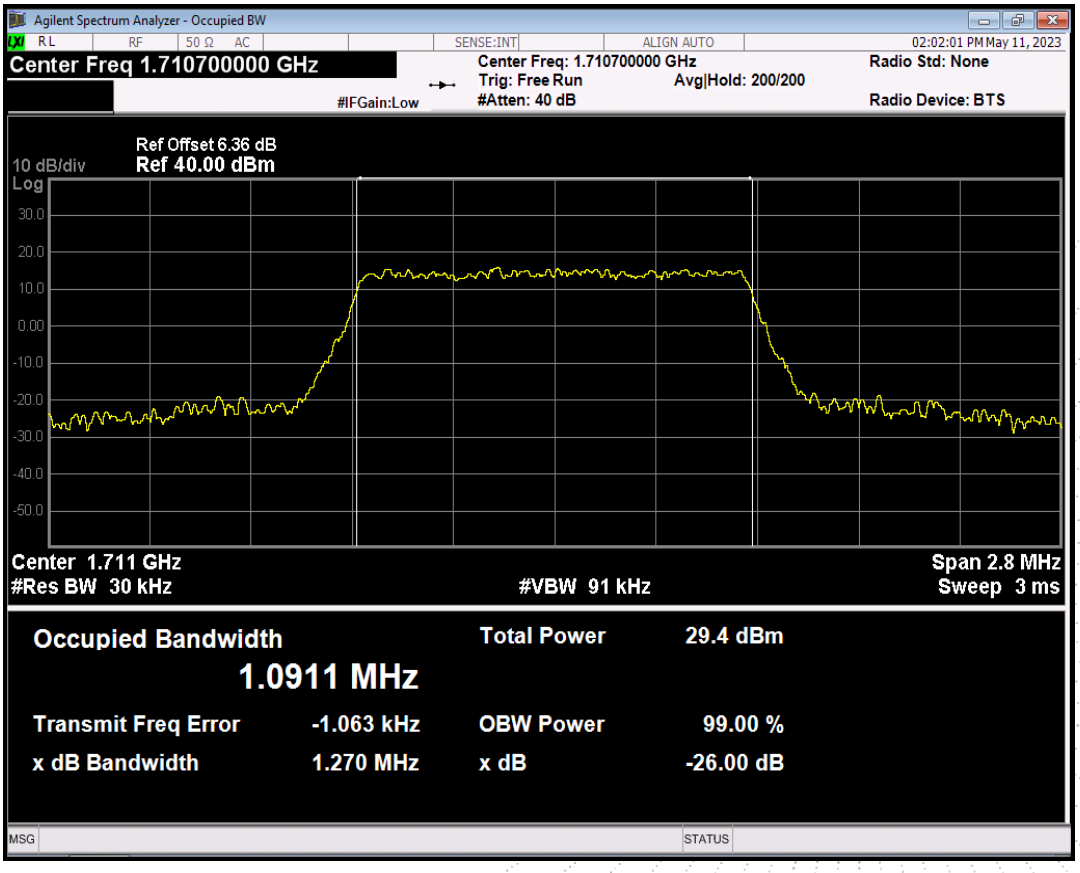
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.098	1.287	PASS
Band4	1.4	19957	6	#0	16QAM	1.091	1.270	PASS
Band4	1.4	20175	6	#0	QPSK	1.096	1.280	PASS
Band4	1.4	20175	6	#0	16QAM	1.101	1.268	PASS
Band4	1.4	20393	6	#0	QPSK	1.095	1.279	PASS
Band4	1.4	20393	6	#0	16QAM	1.103	1.273	PASS
Band4	3	19965	15	#0	QPSK	2.691	2.971	PASS
Band4	3	19965	15	#0	16QAM	2.684	2.954	PASS
Band4	3	20175	15	#0	QPSK	2.684	2.981	PASS
Band4	3	20175	15	#0	16QAM	2.681	2.945	PASS
Band4	3	20385	15	#0	QPSK	2.695	2.990	PASS
Band4	3	20385	15	#0	16QAM	2.688	3.011	PASS
Band4	5	19975	25	#0	QPSK	4.509	4.898	PASS
Band4	5	19975	25	#0	16QAM	4.509	4.885	PASS
Band4	5	20175	25	#0	QPSK	4.520	4.903	PASS
Band4	5	20175	25	#0	16QAM	4.503	4.933	PASS
Band4	5	20375	25	#0	QPSK	4.511	4.839	PASS
Band4	5	20375	25	#0	16QAM	4.501	4.901	PASS
Band4	10	20000	50	#0	QPSK	8.959	9.689	PASS
Band4	10	20000	50	#0	16QAM	8.972	9.684	PASS
Band4	10	20175	50	#0	QPSK	8.944	9.703	PASS
Band4	10	20175	50	#0	16QAM	8.972	9.644	PASS
Band4	10	20350	50	#0	QPSK	8.983	9.663	PASS
Band4	10	20350	50	#0	16QAM	8.982	9.680	PASS
Band4	15	20025	75	#0	QPSK	13.411	14.461	PASS
Band4	15	20025	75	#0	16QAM	13.426	14.424	PASS
Band4	15	20175	75	#0	QPSK	13.425	14.476	PASS
Band4	15	20175	75	#0	16QAM	13.485	14.460	PASS
Band4	15	20325	75	#0	QPSK	13.465	14.488	PASS
Band4	15	20325	75	#0	16QAM	13.446	14.554	PASS
Band4	20	20050	100	#0	QPSK	17.941	19.230	PASS
Band4	20	20050	100	#0	16QAM	17.957	19.203	PASS
Band4	20	20175	100	#0	QPSK	17.974	19.148	PASS
Band4	20	20175	100	#0	16QAM	17.927	19.219	PASS
Band4	20	20300	100	#0	QPSK	17.962	19.292	PASS
Band4	20	20300	100	#0	16QAM	17.926	19.138	PASS

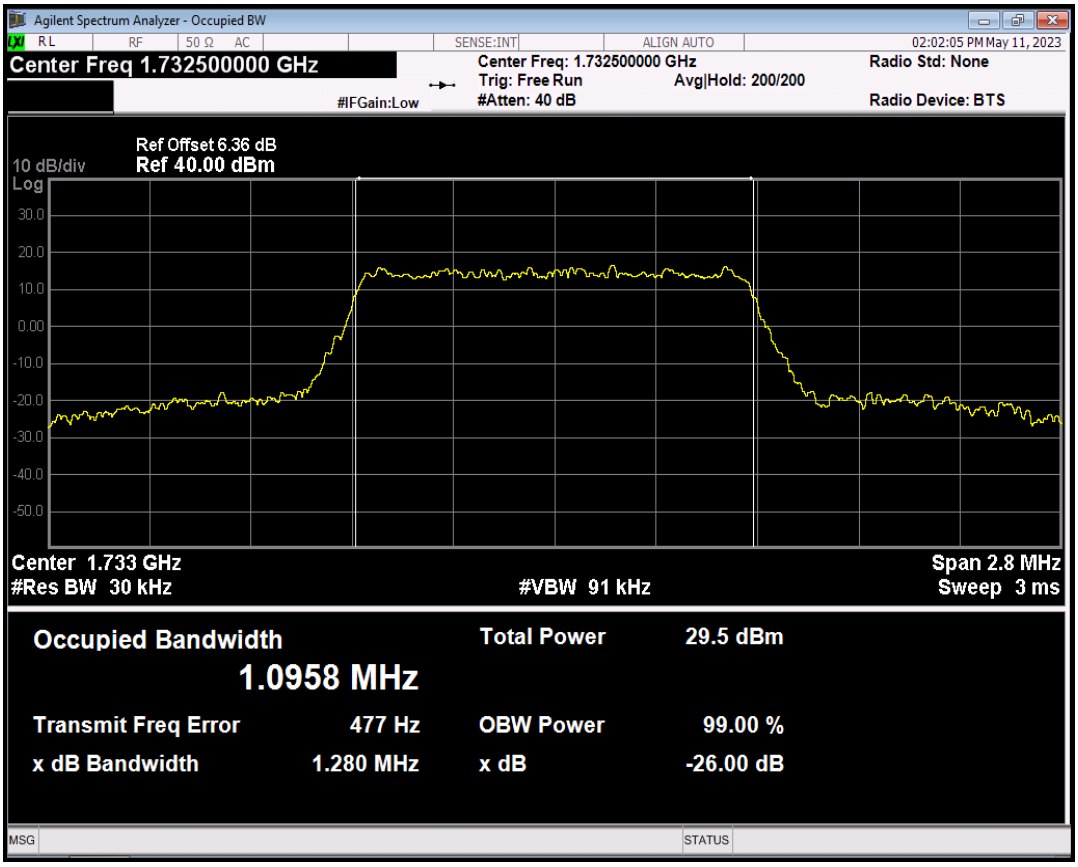
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



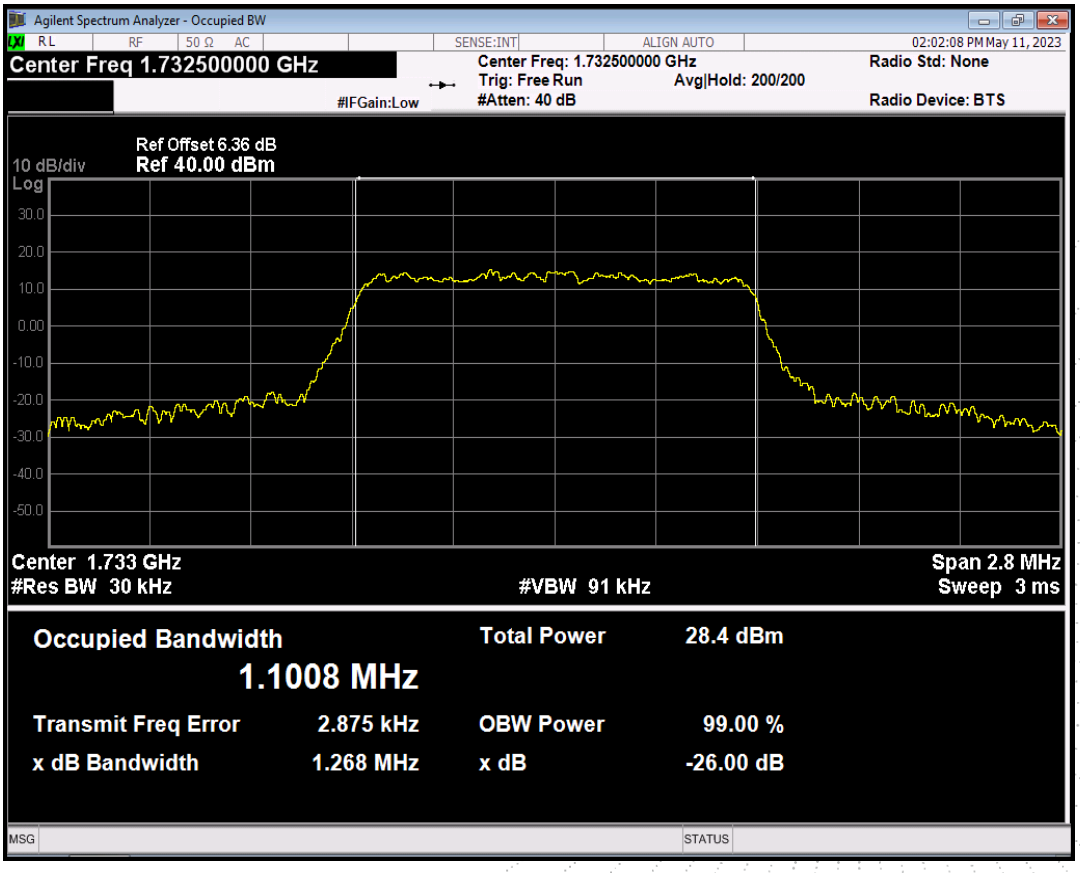
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



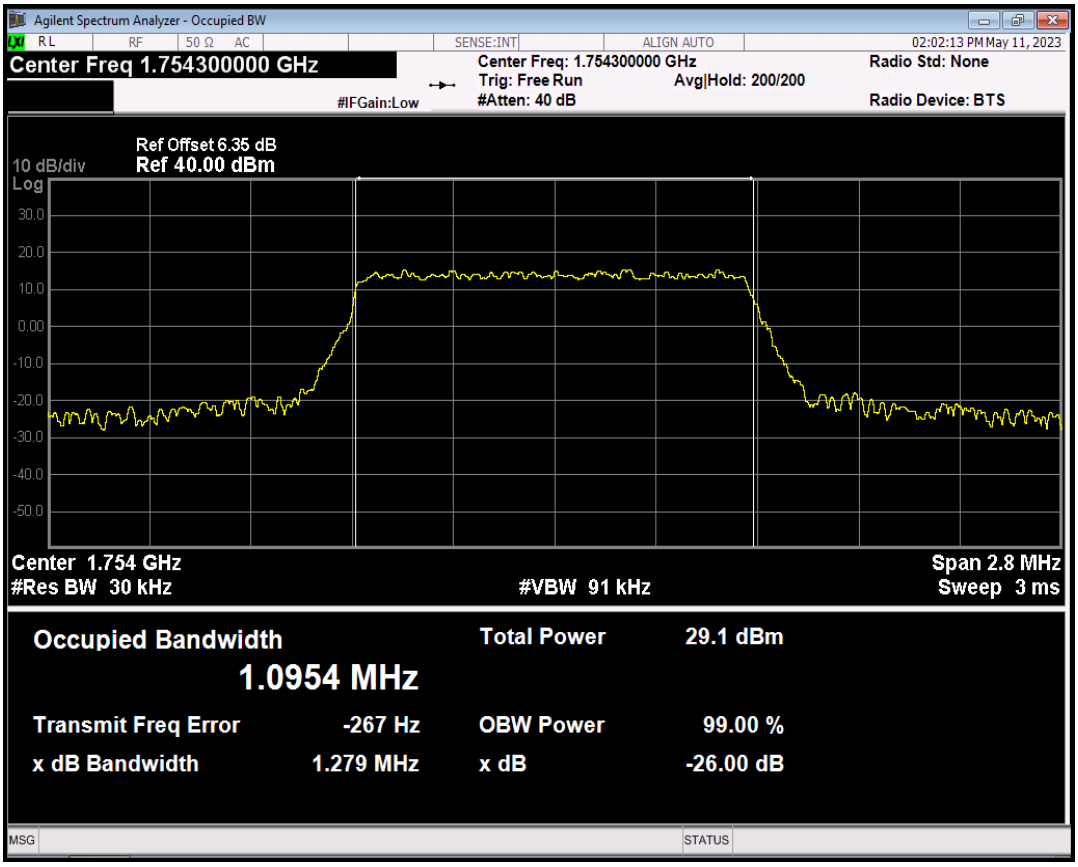
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



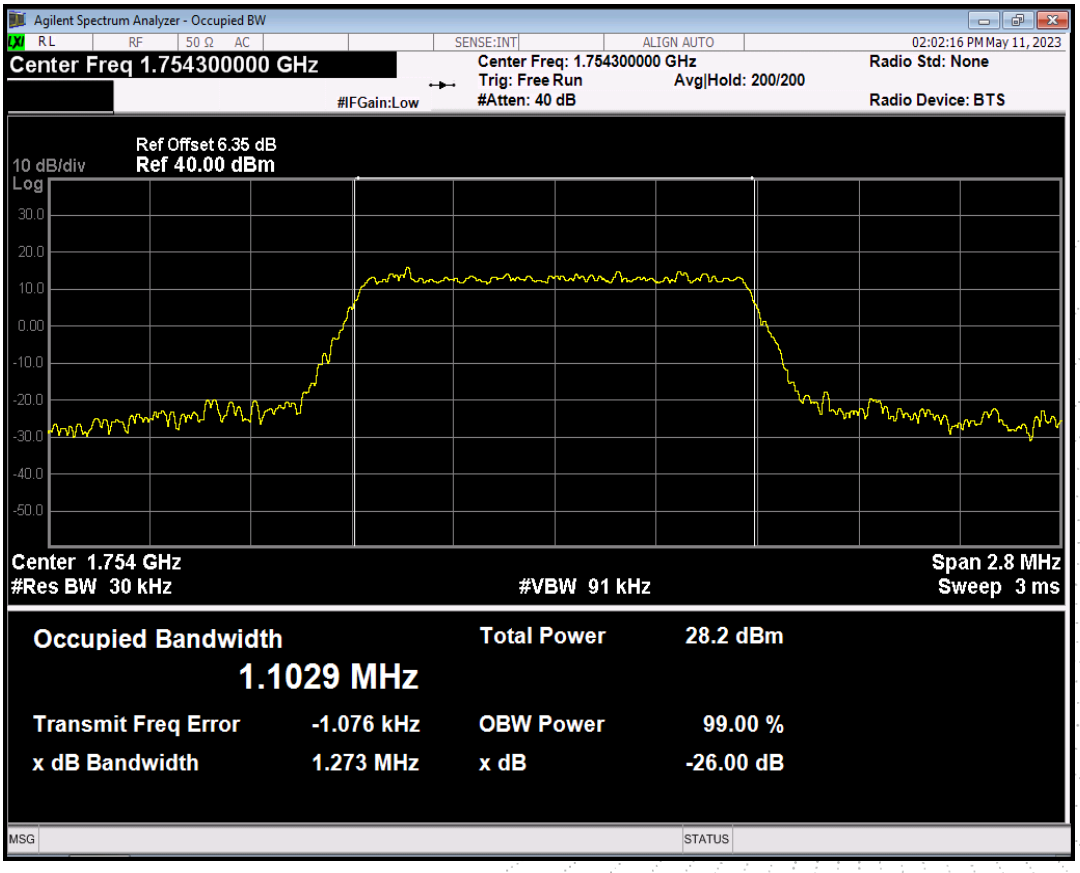
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



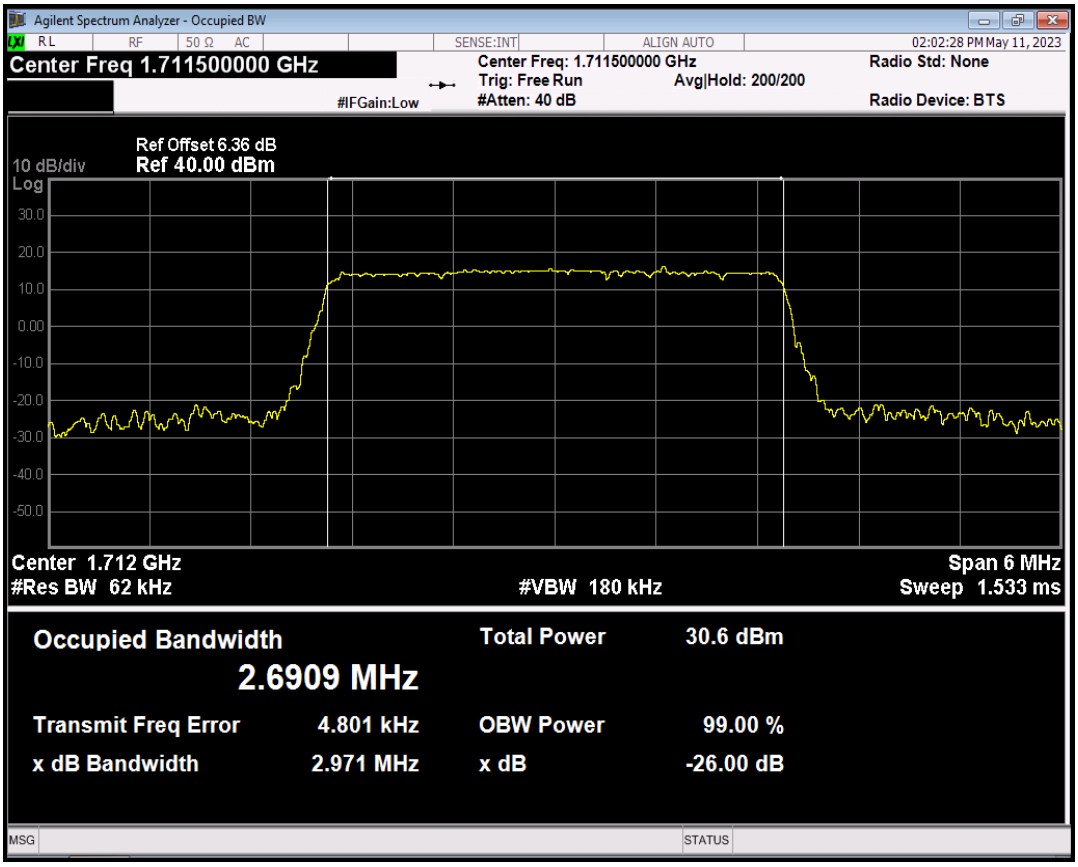
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



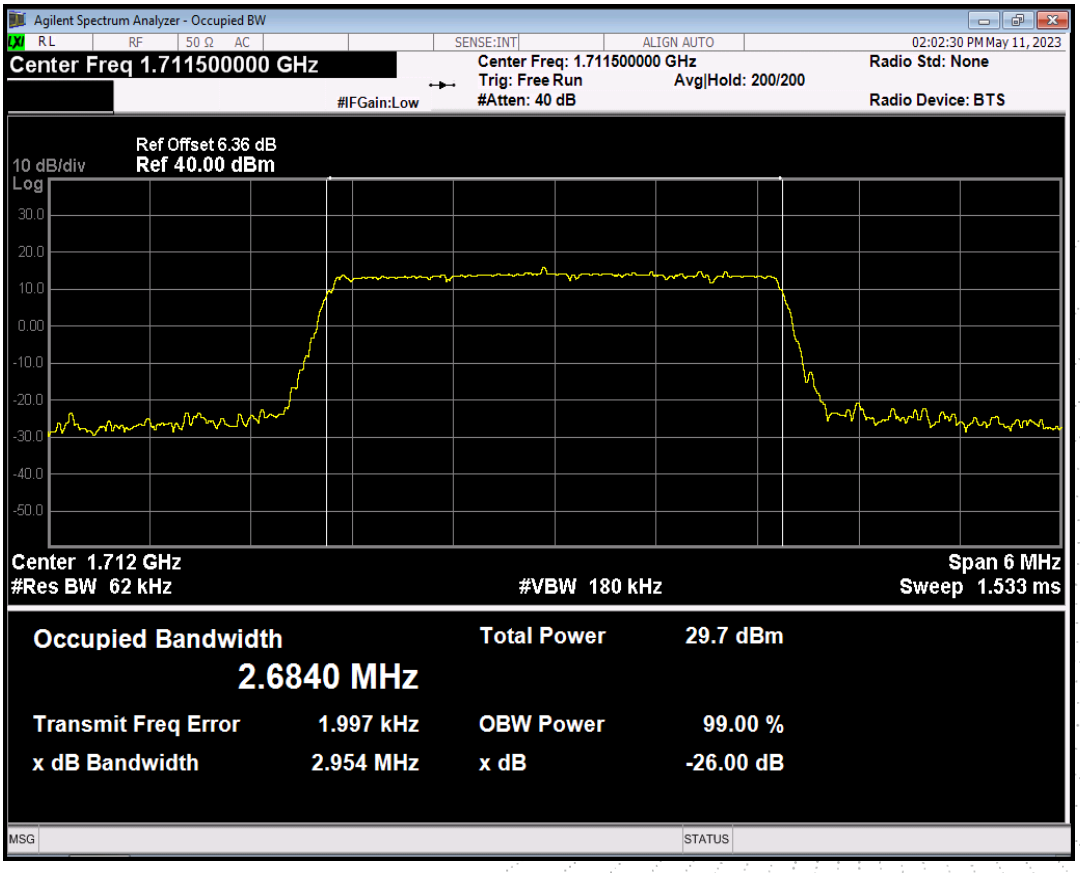
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



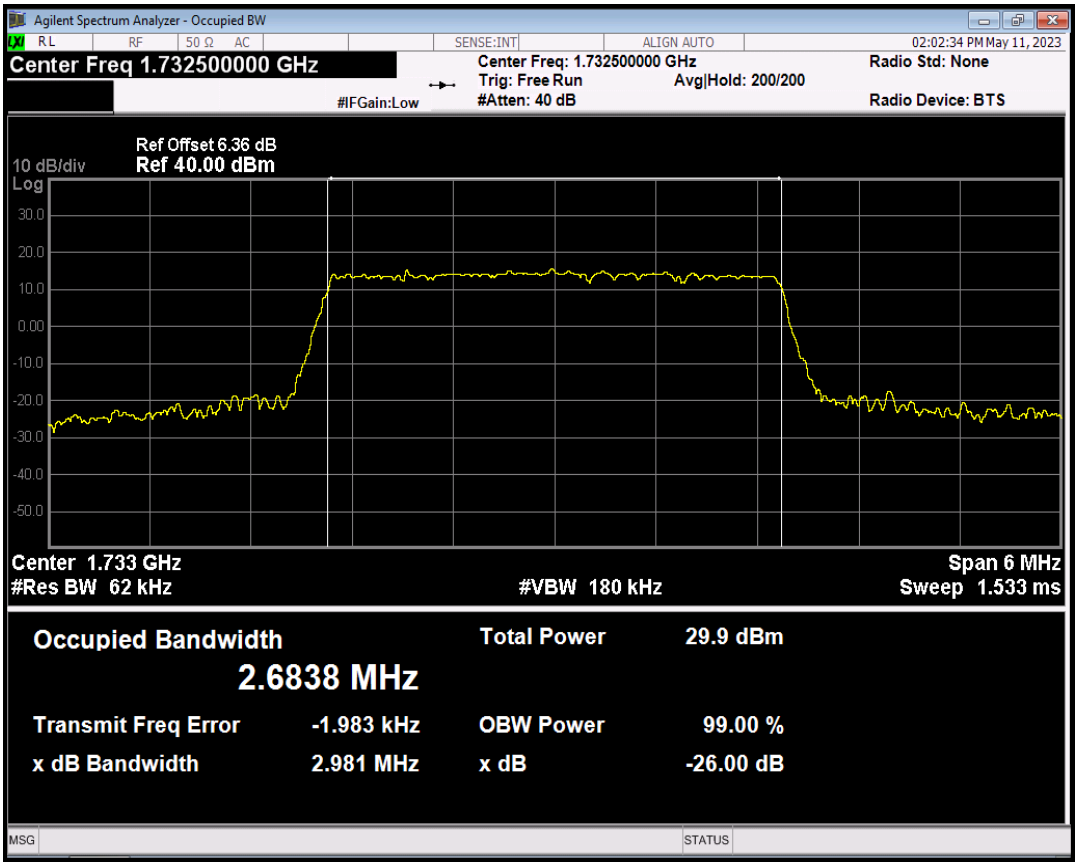
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



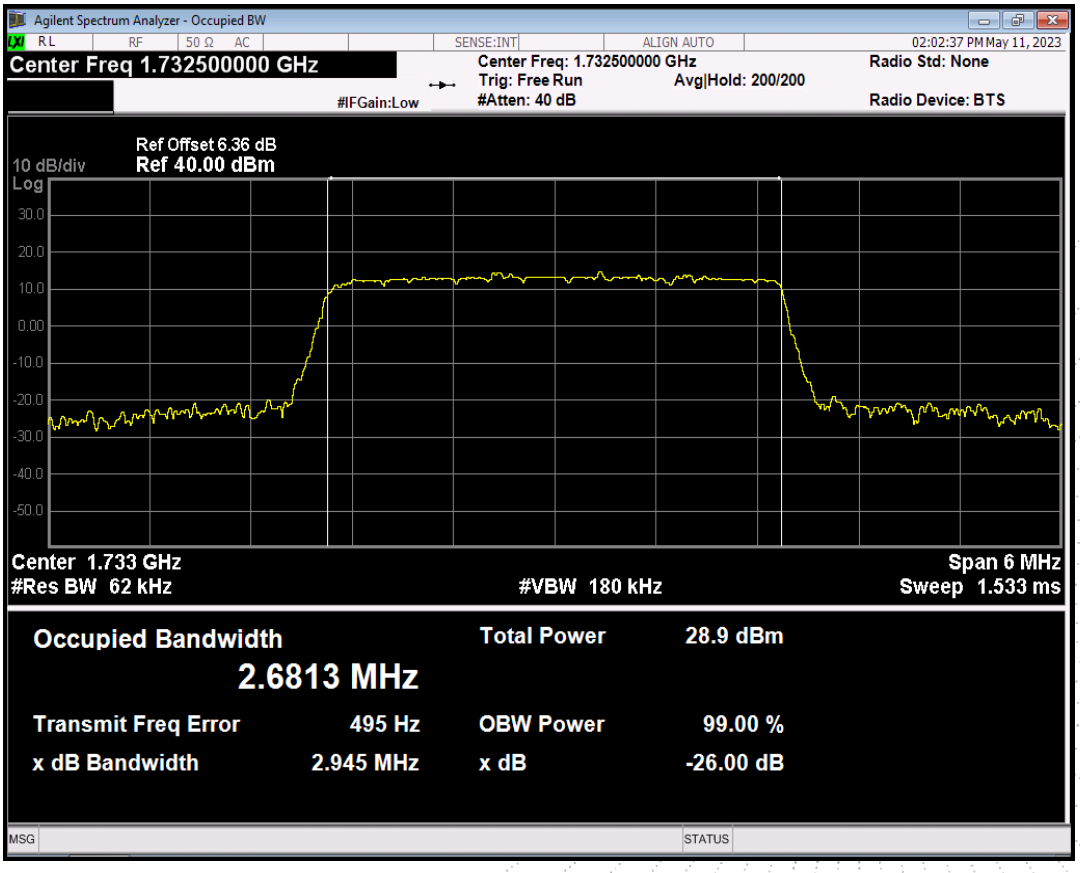
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



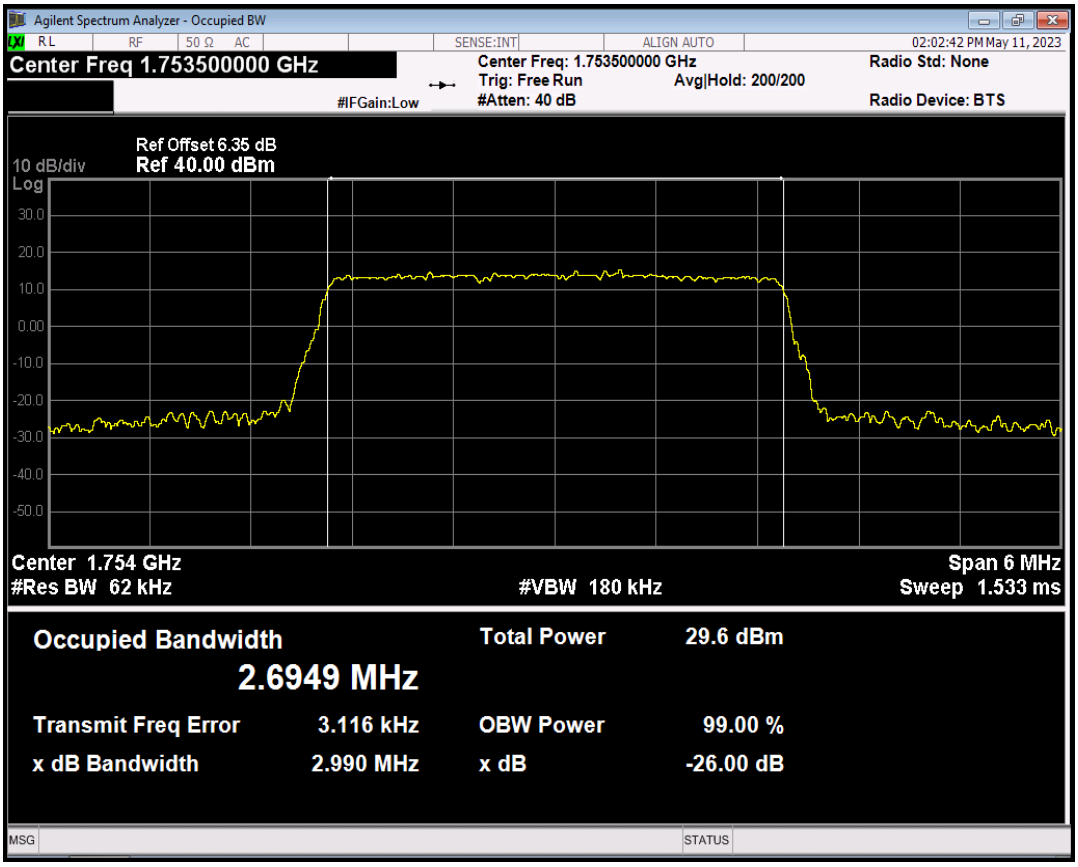
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



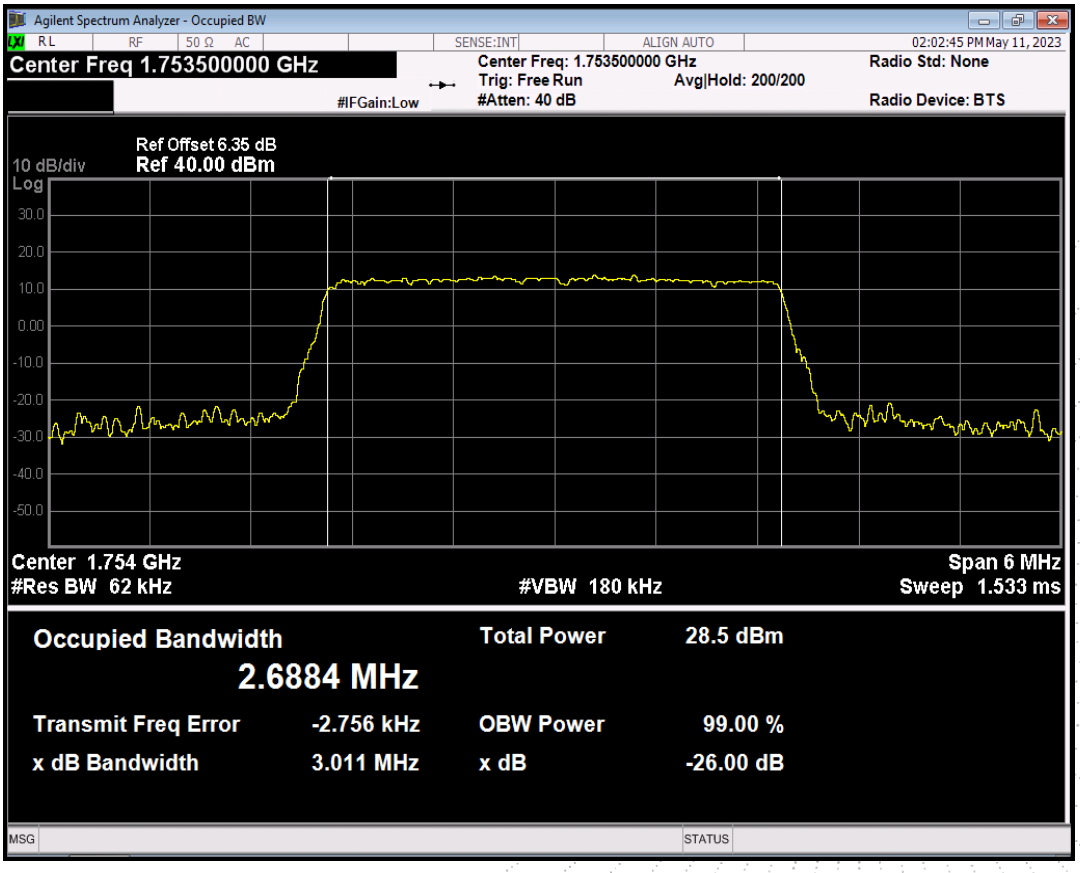
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



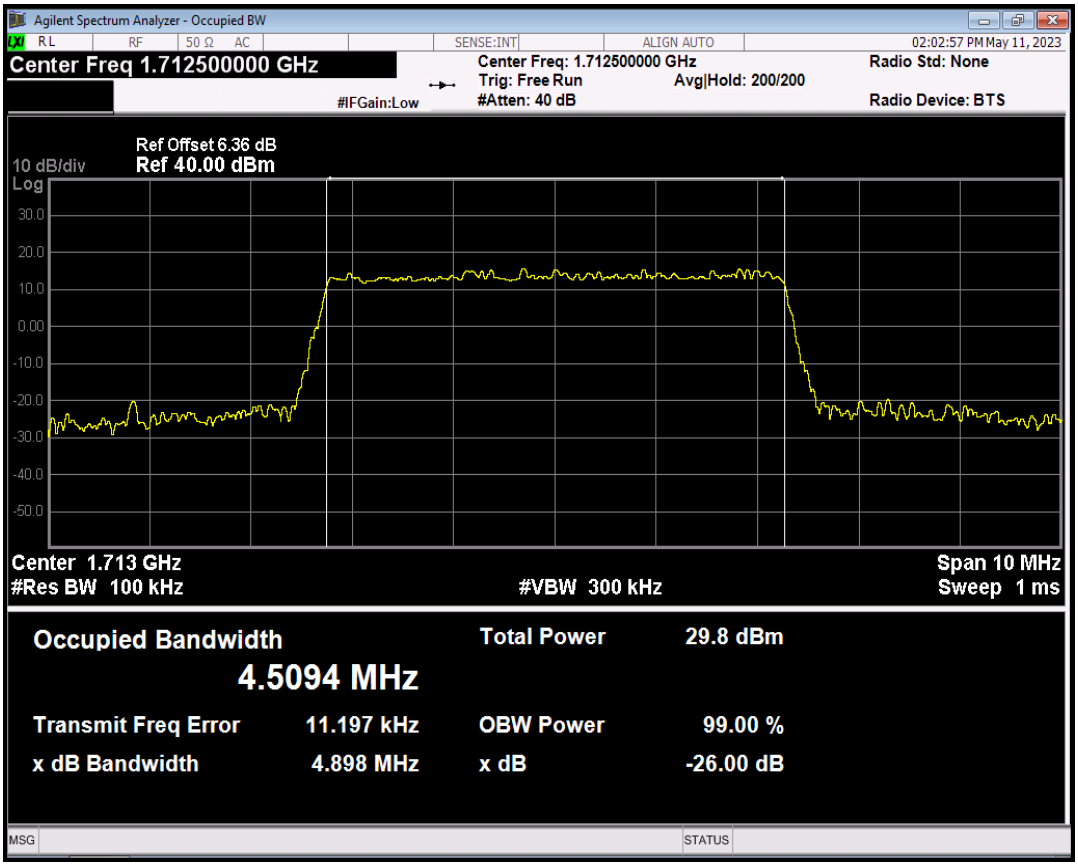
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



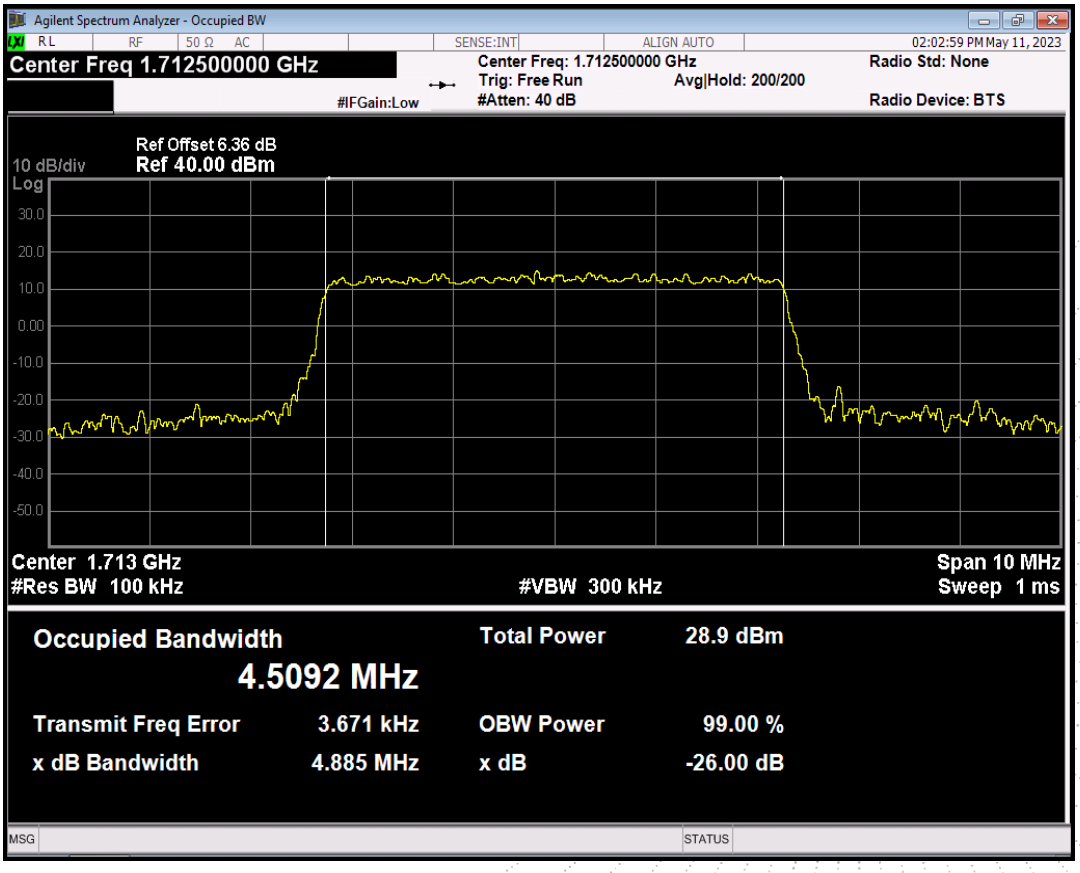
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



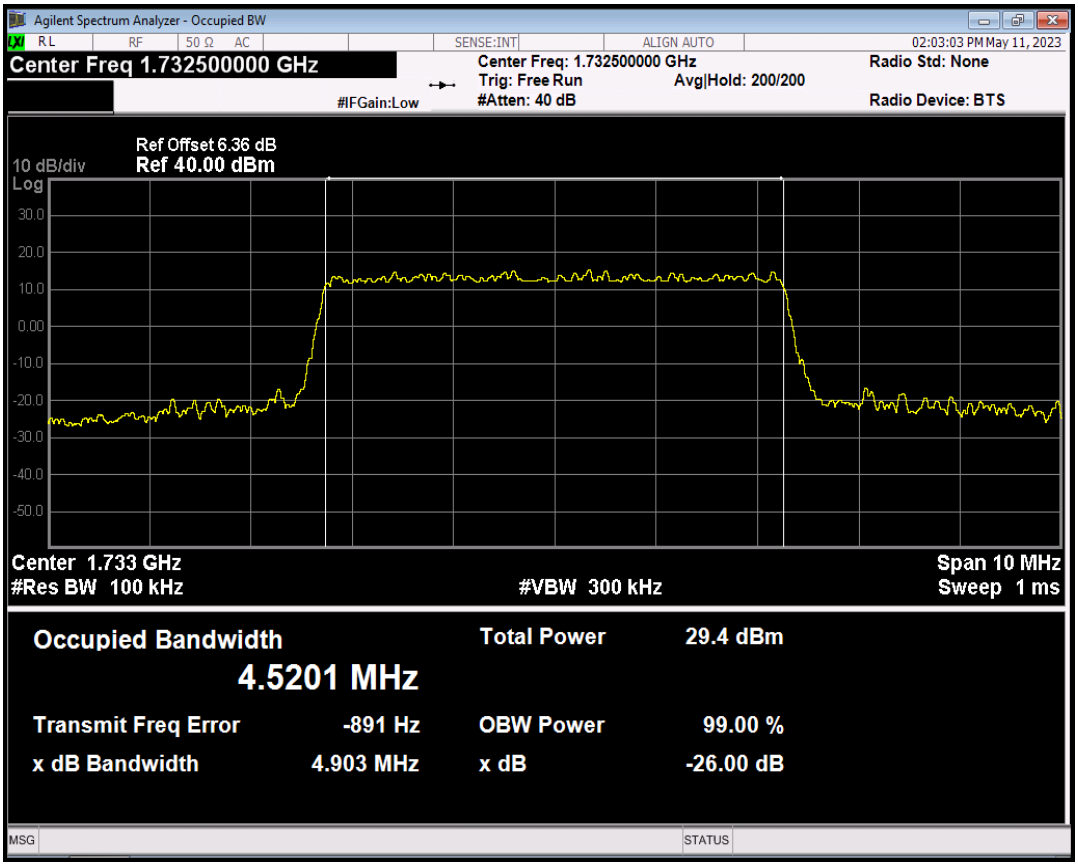
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



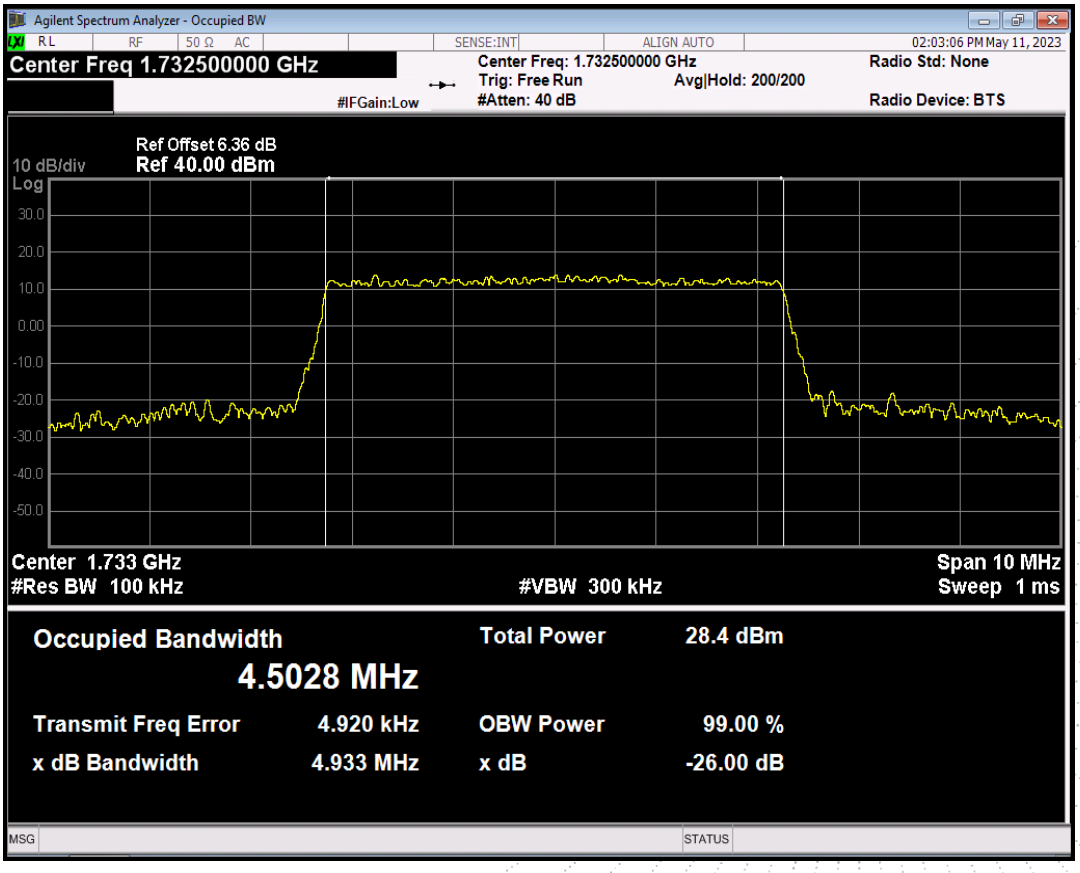
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



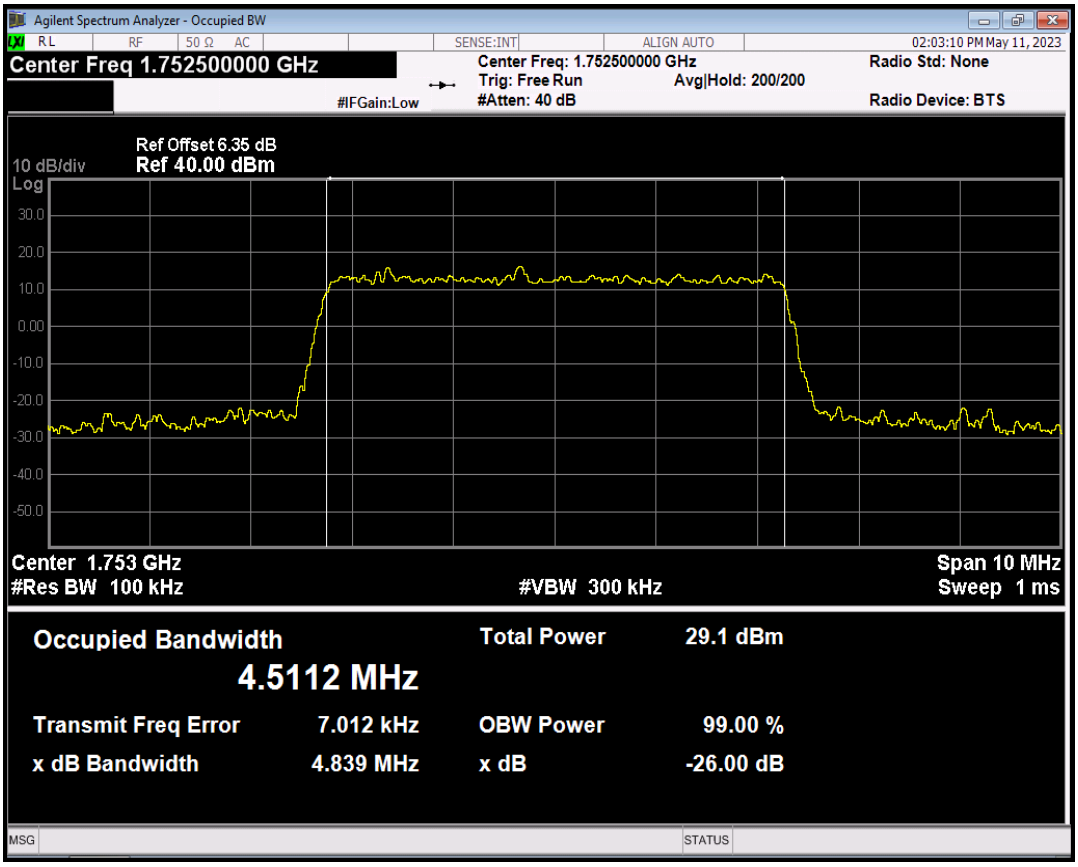
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



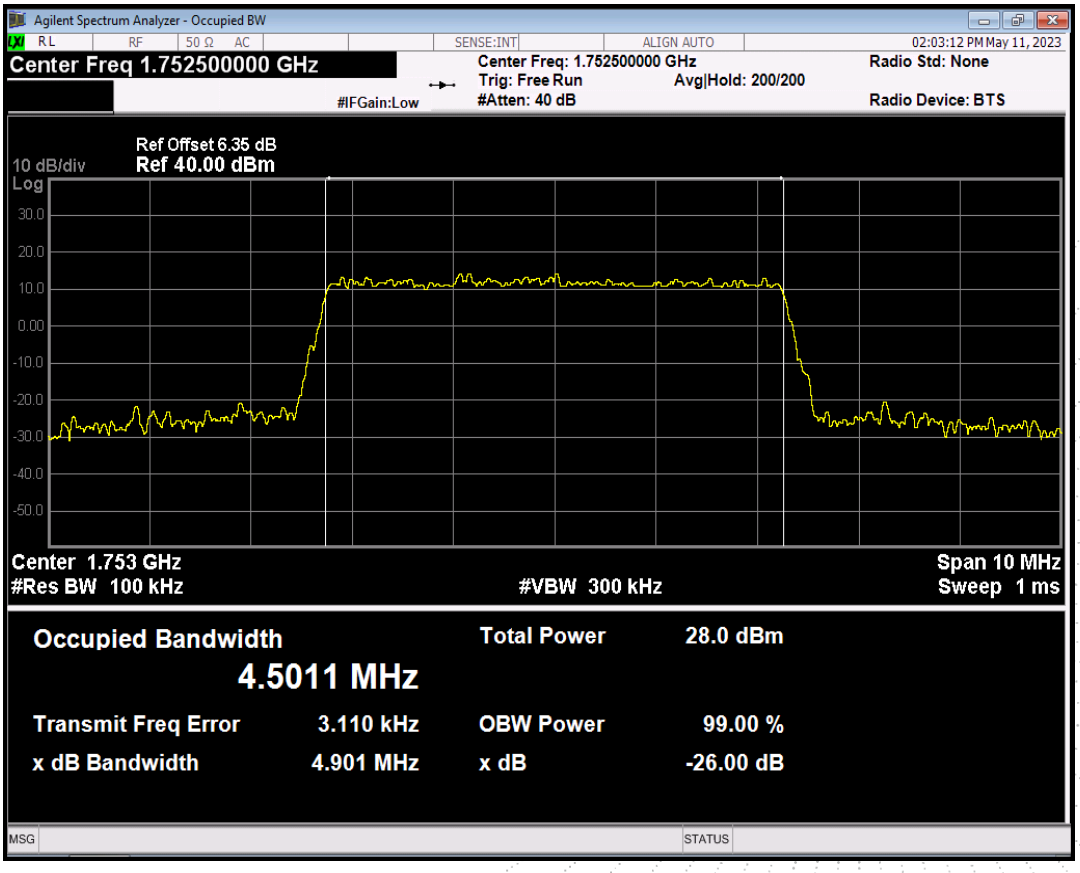
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



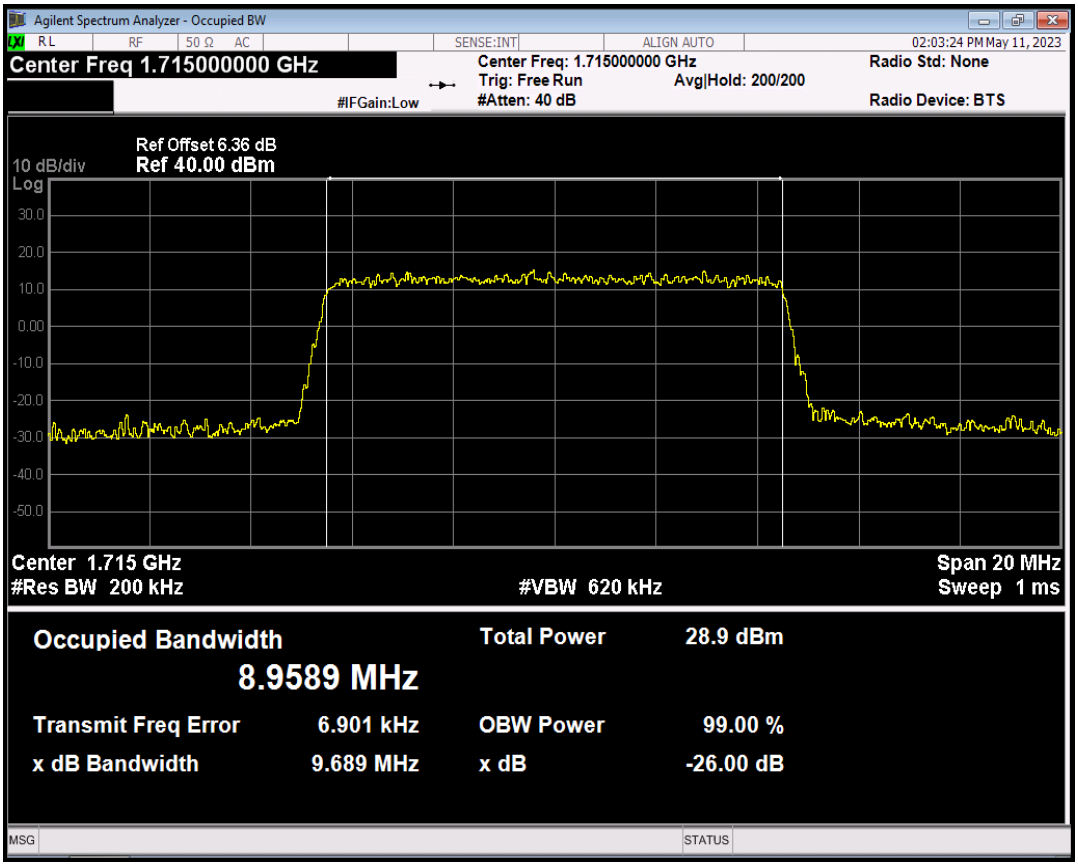
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



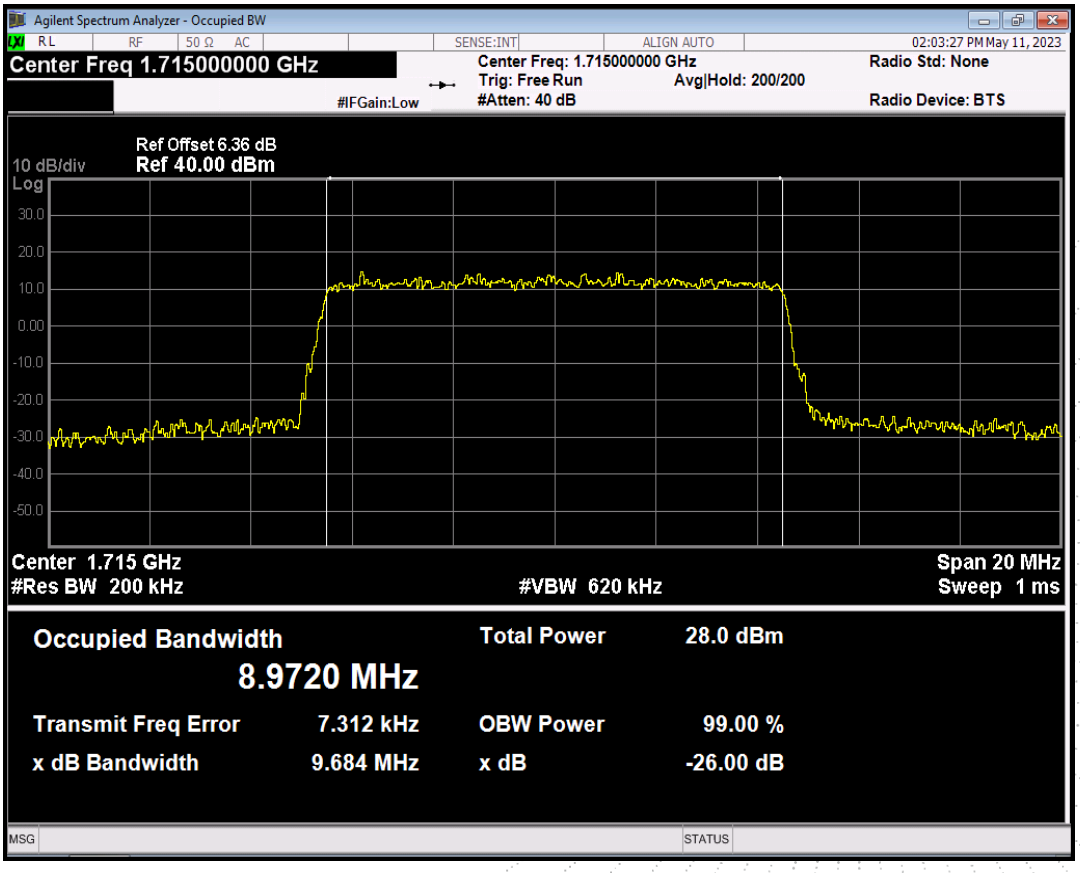
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



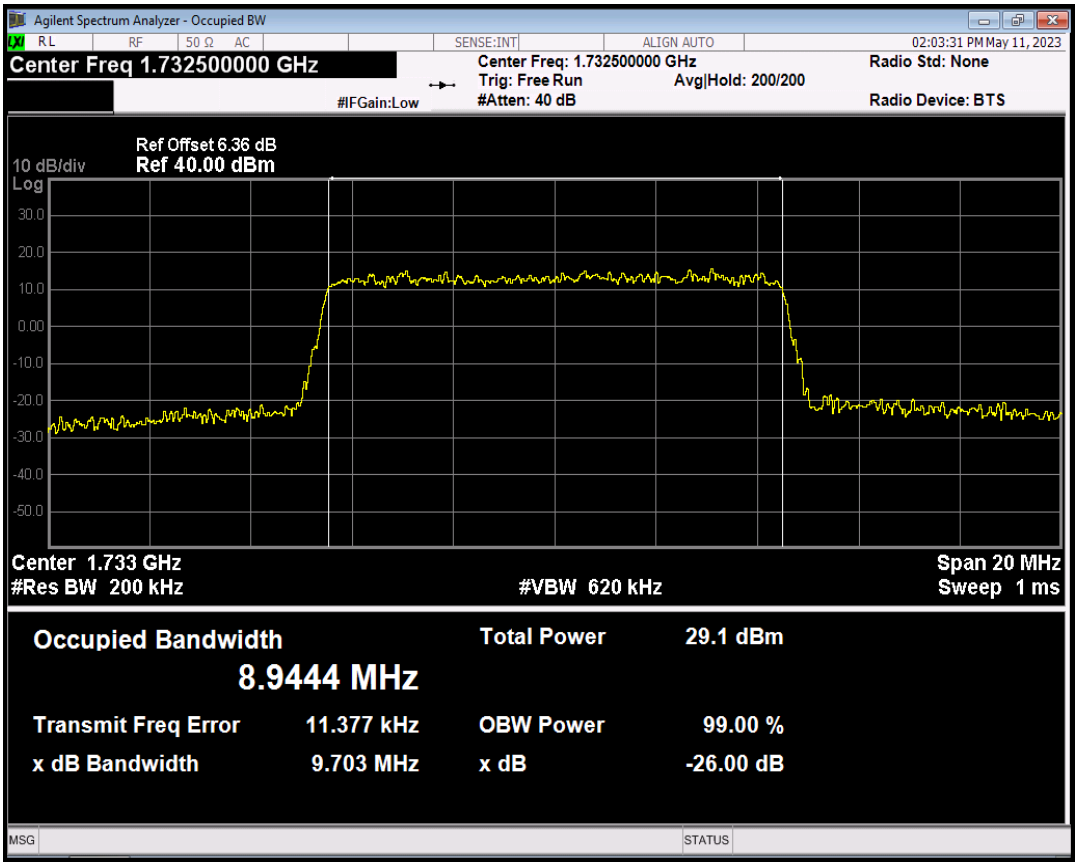
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



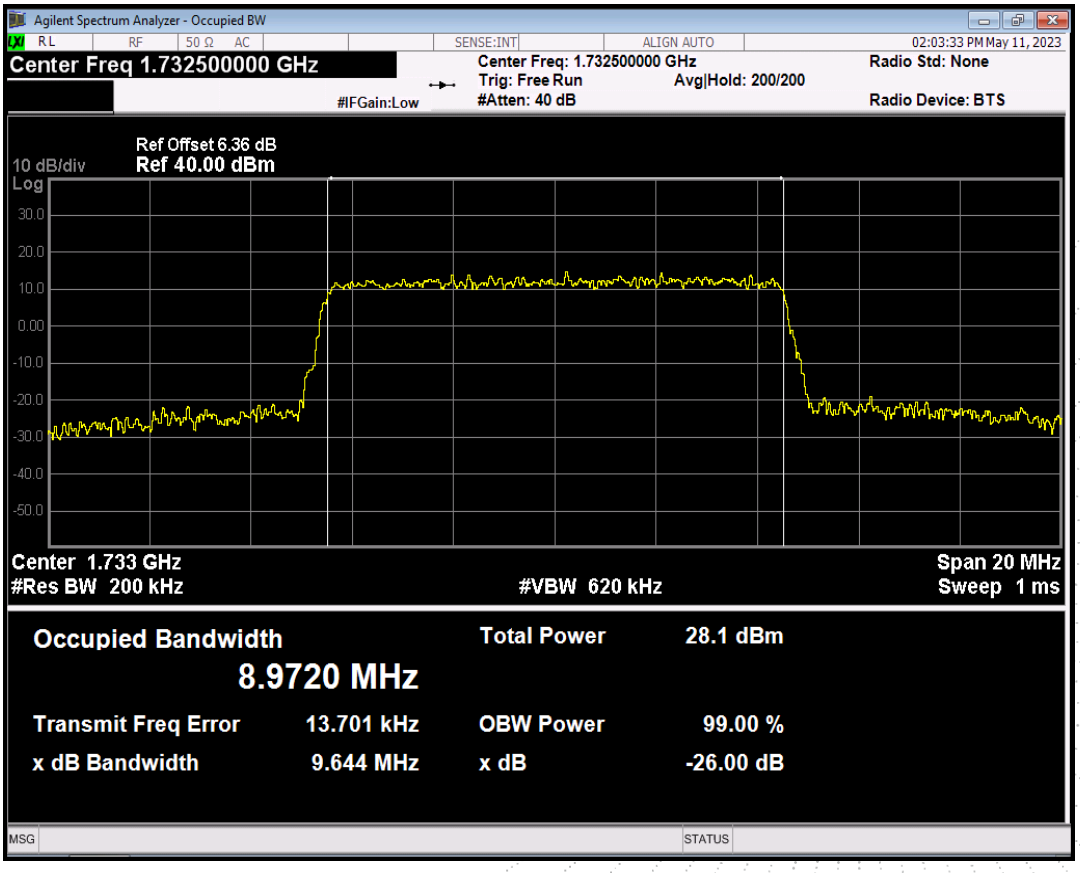
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



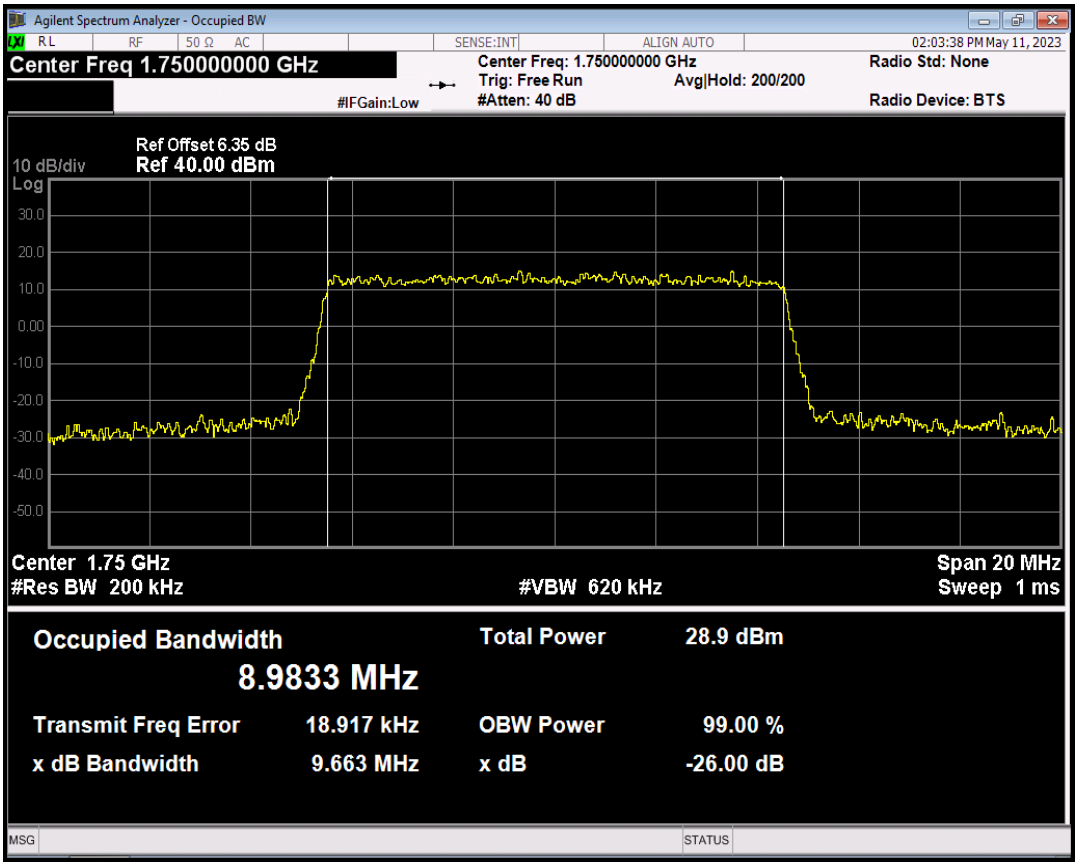
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



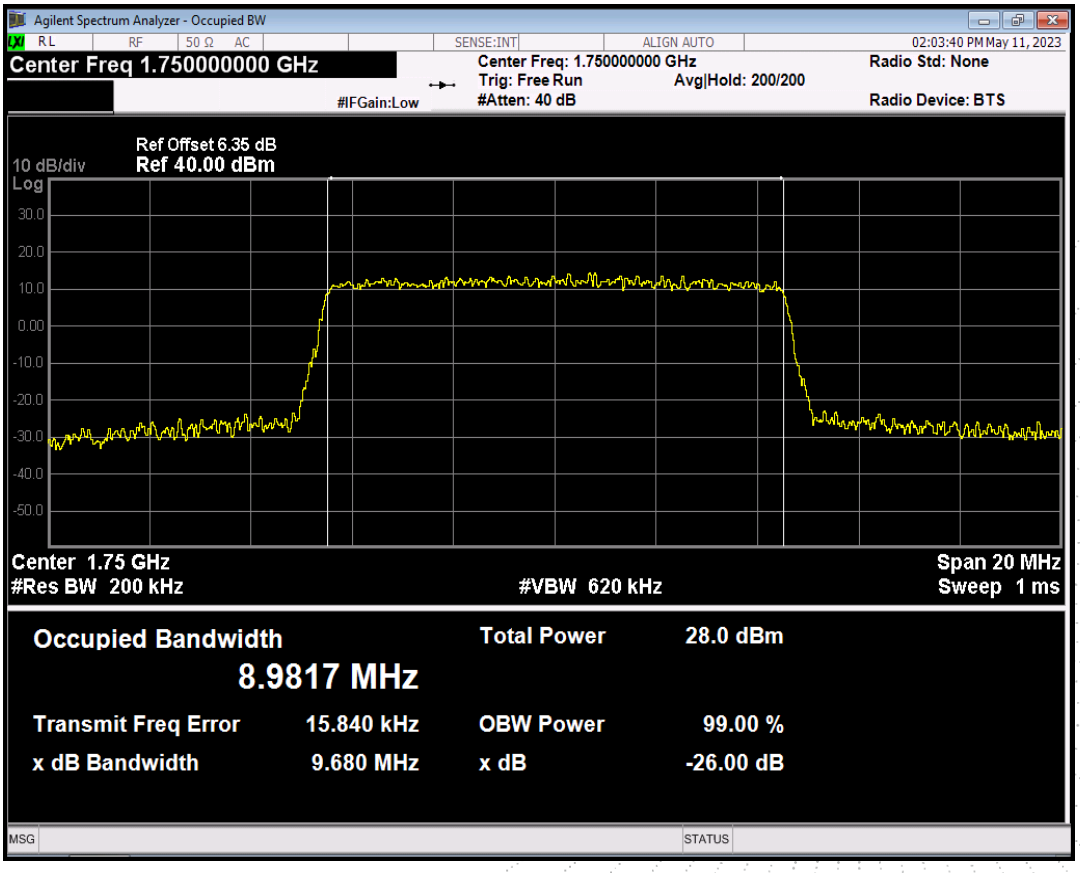
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



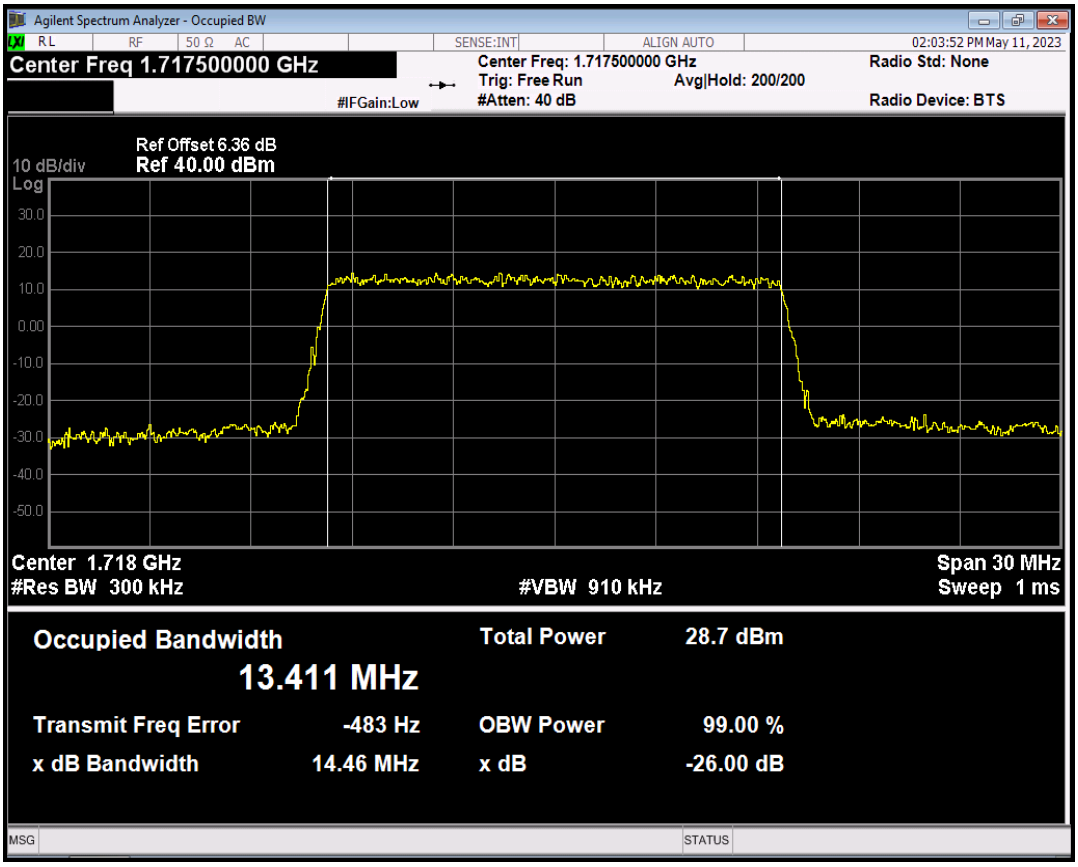
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



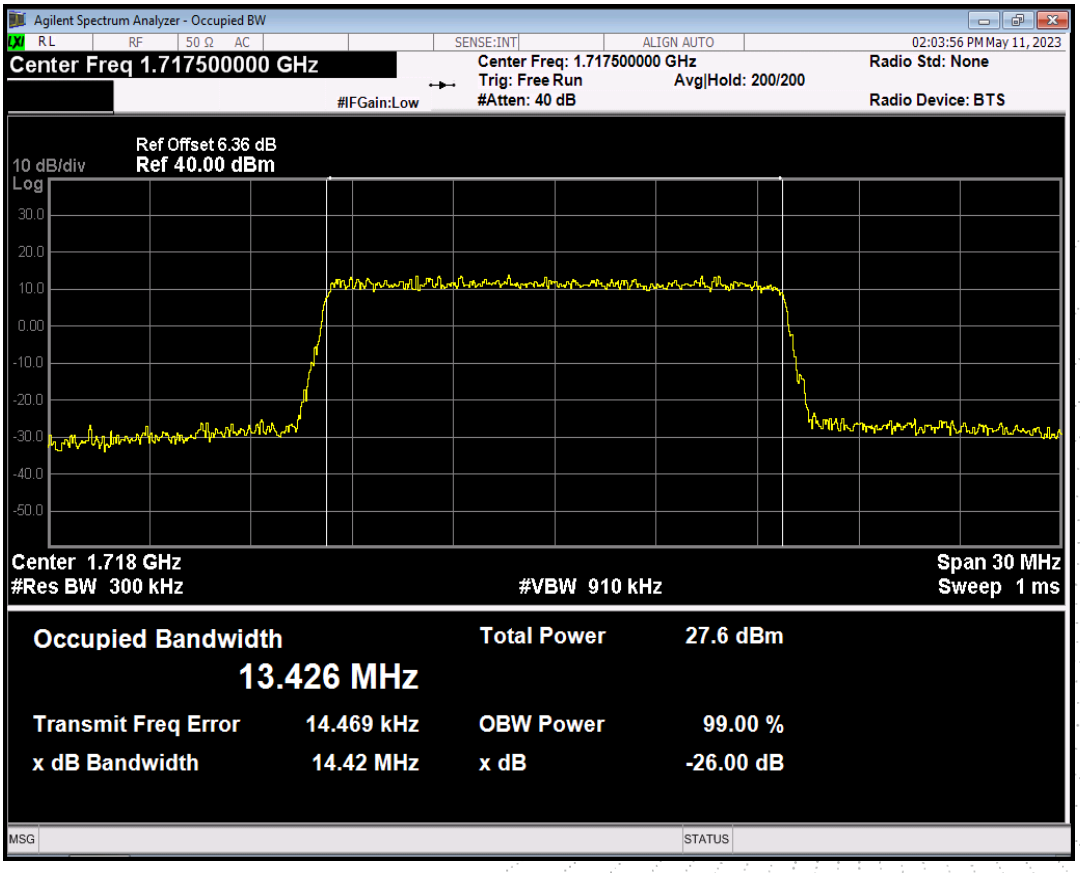
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



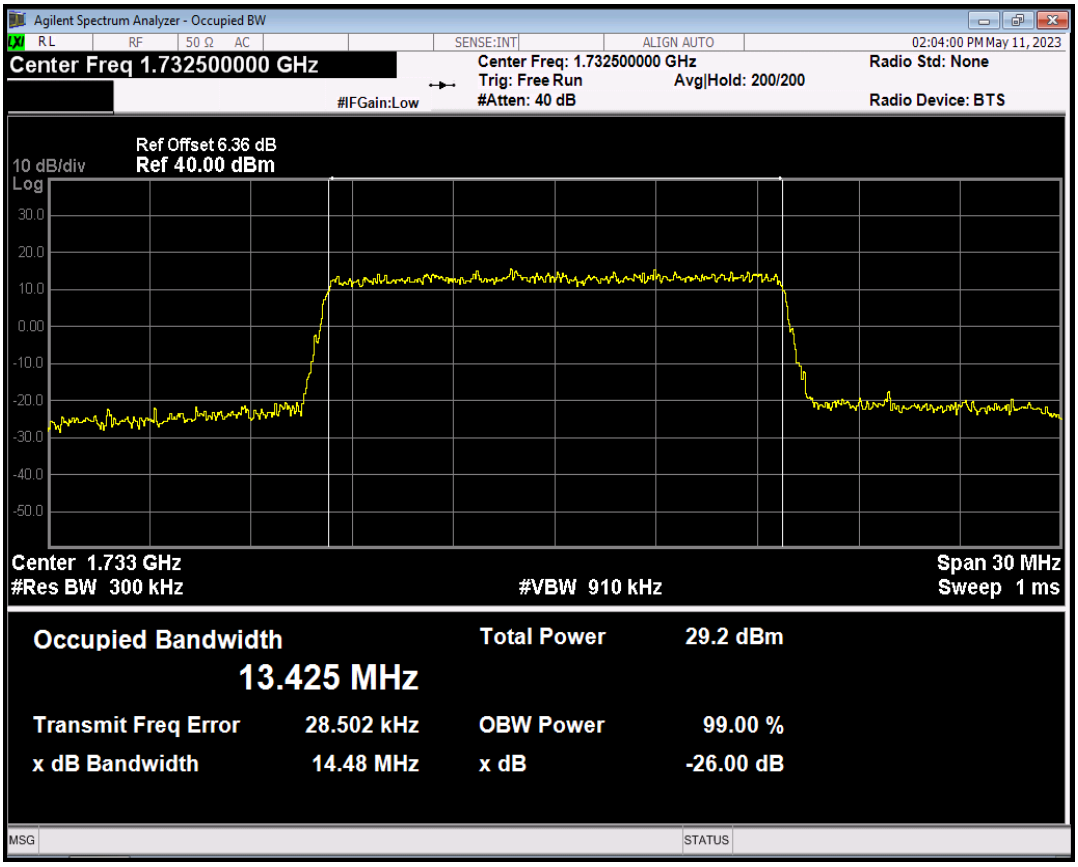
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



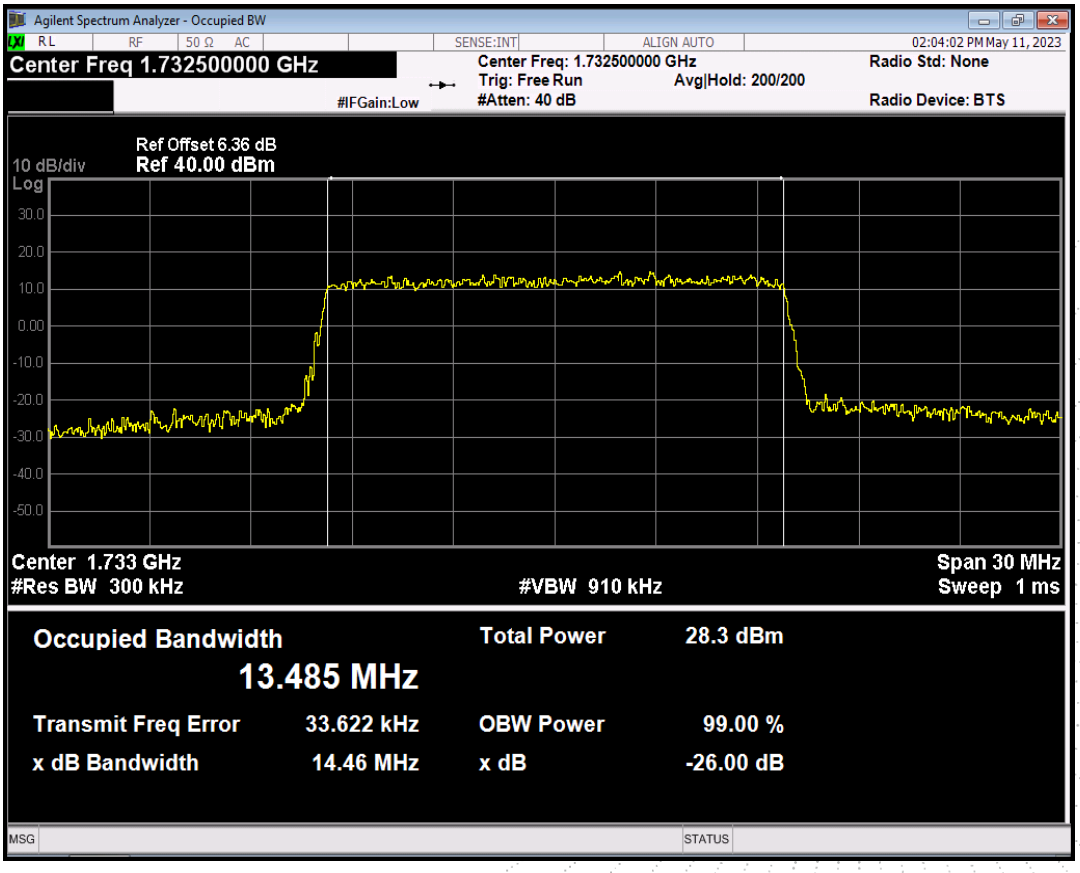
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



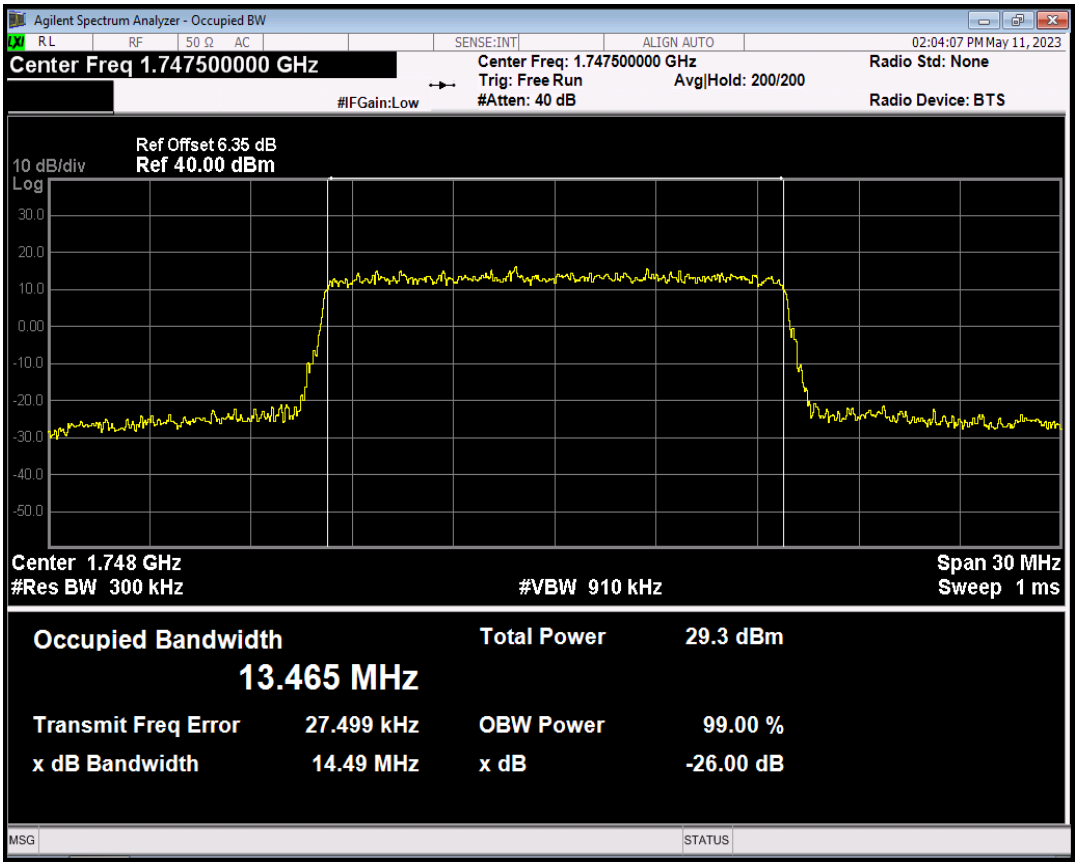
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



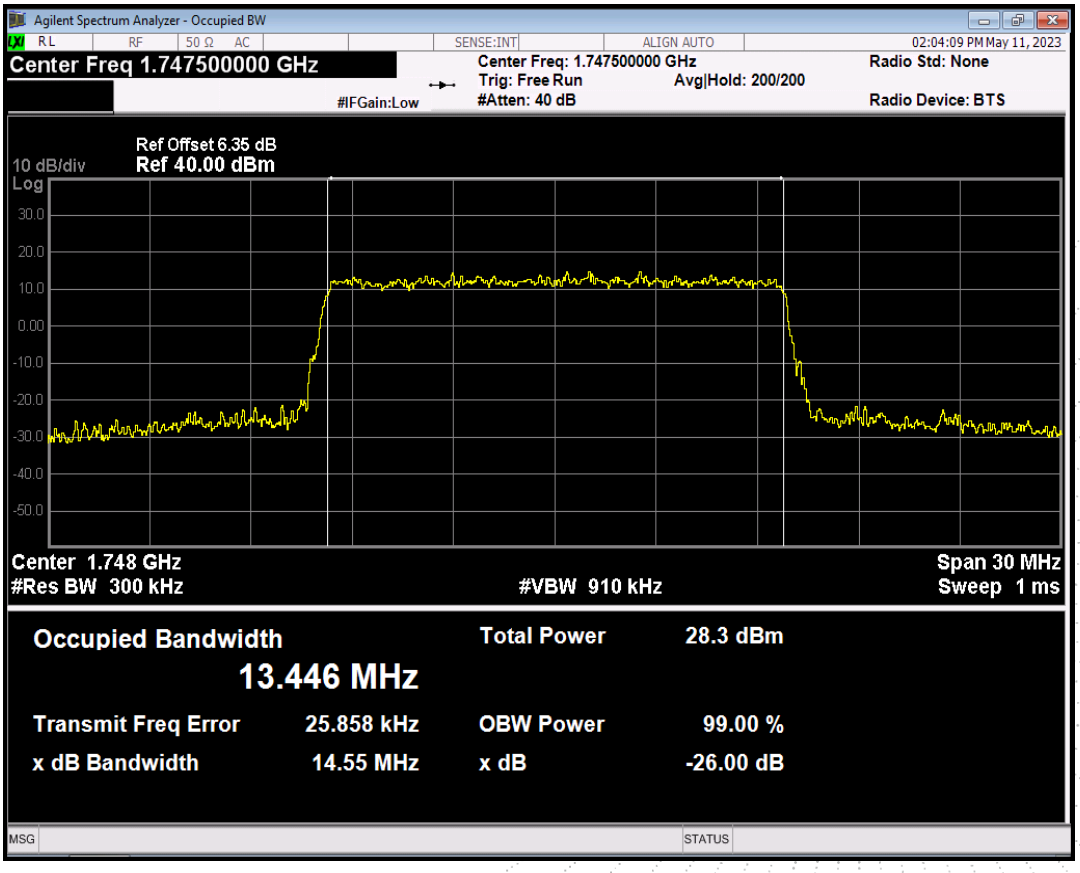
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



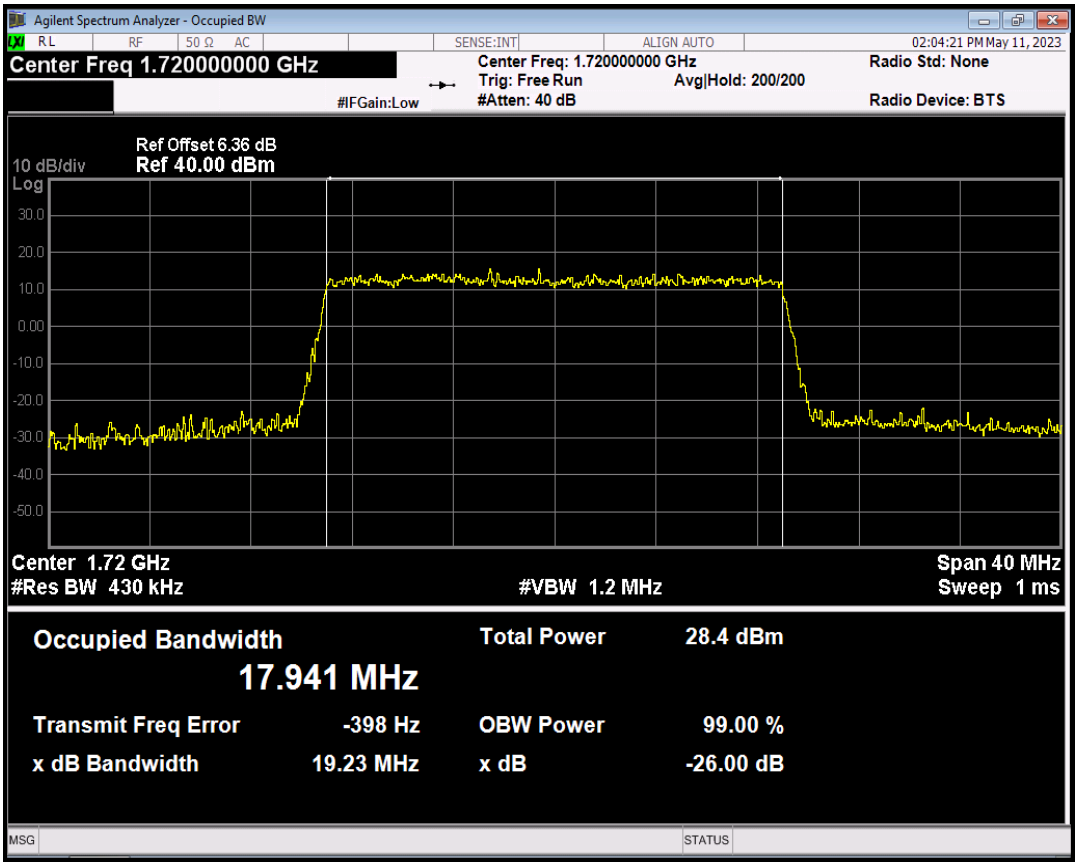
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



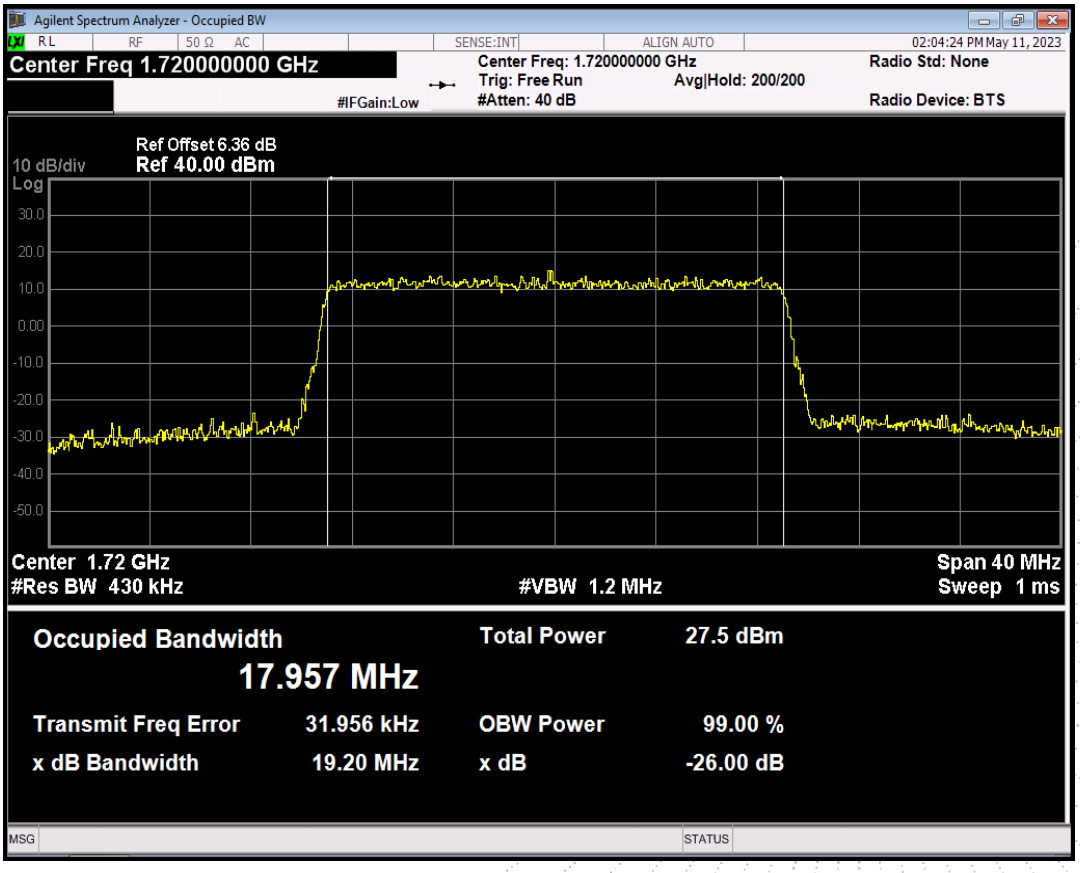
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



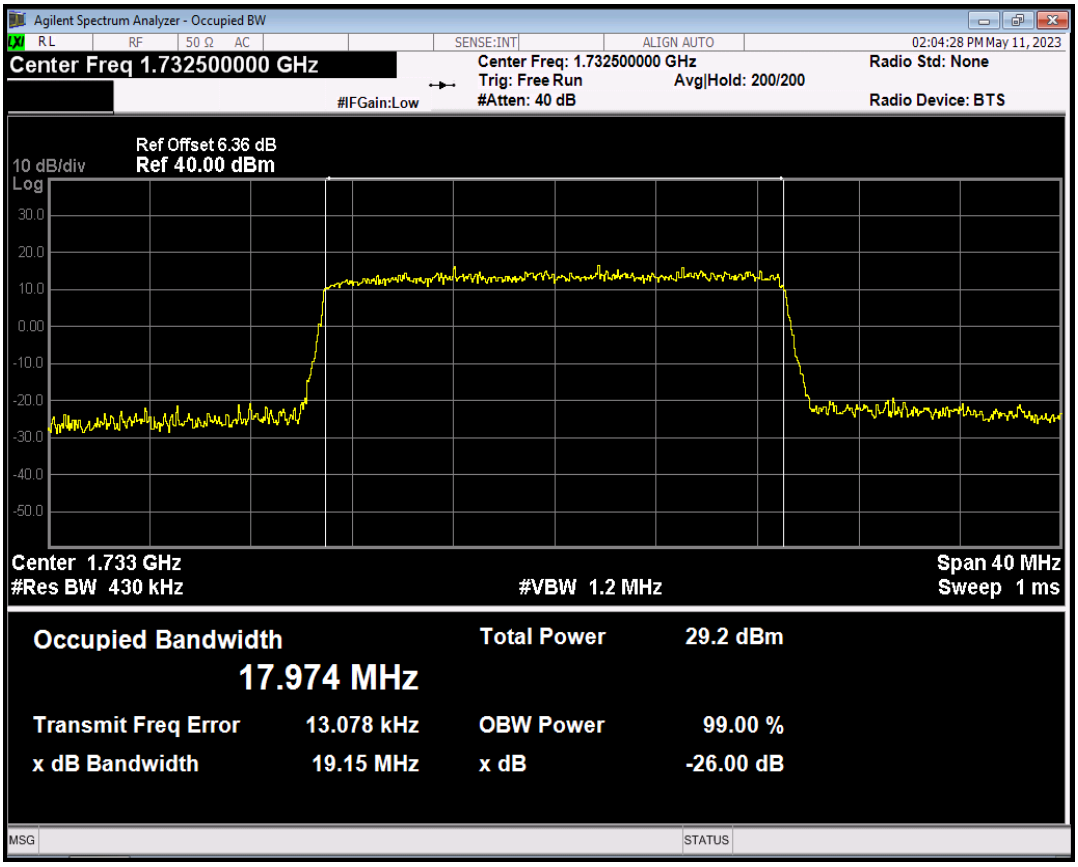
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



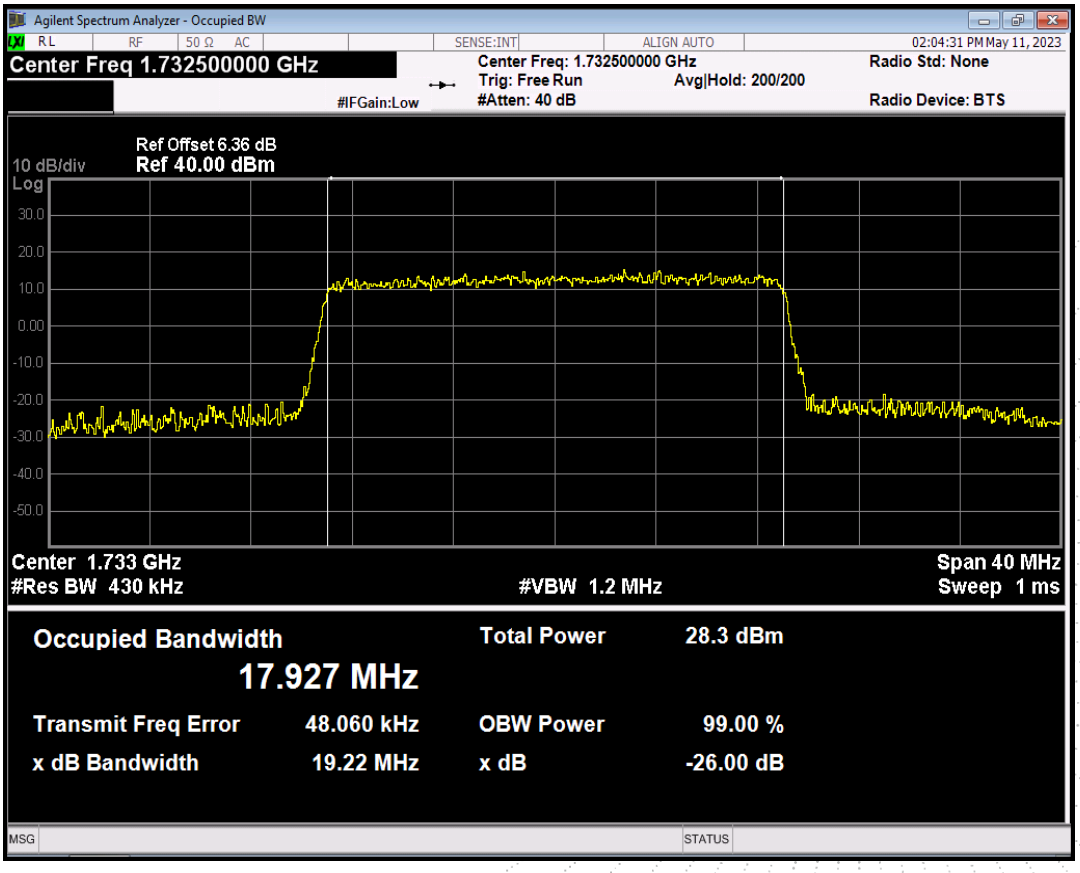
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



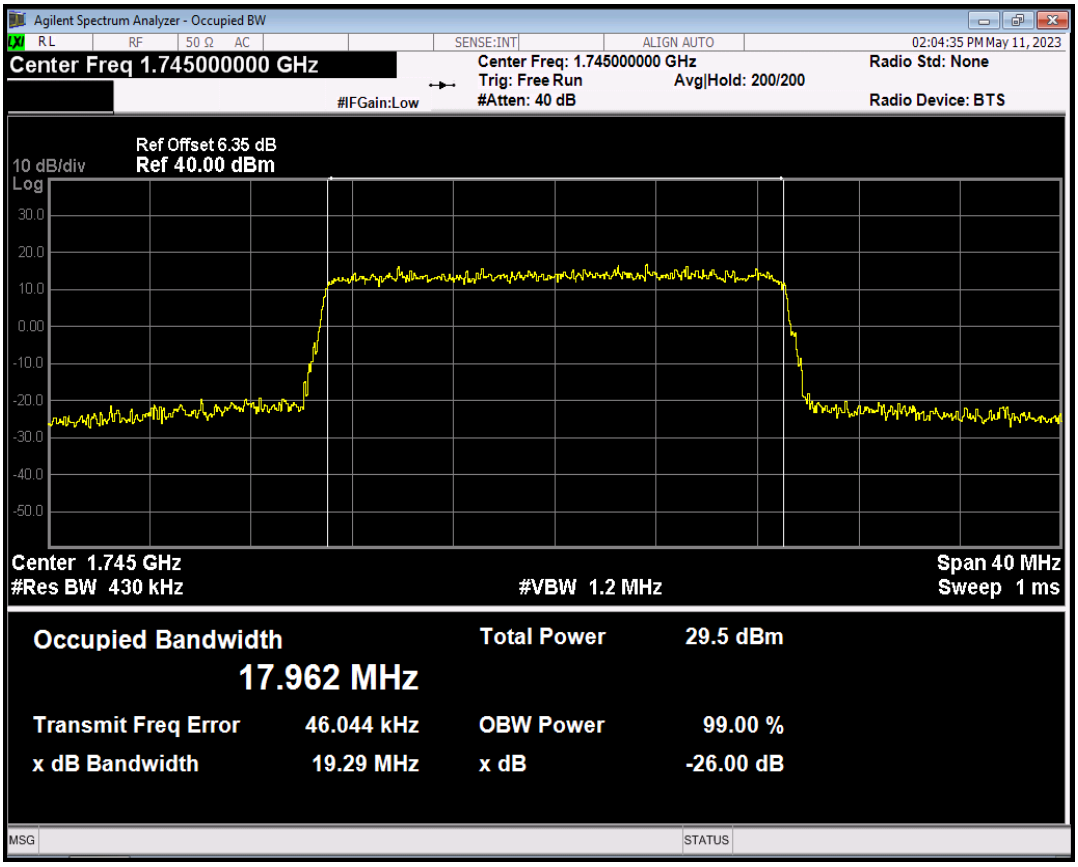
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



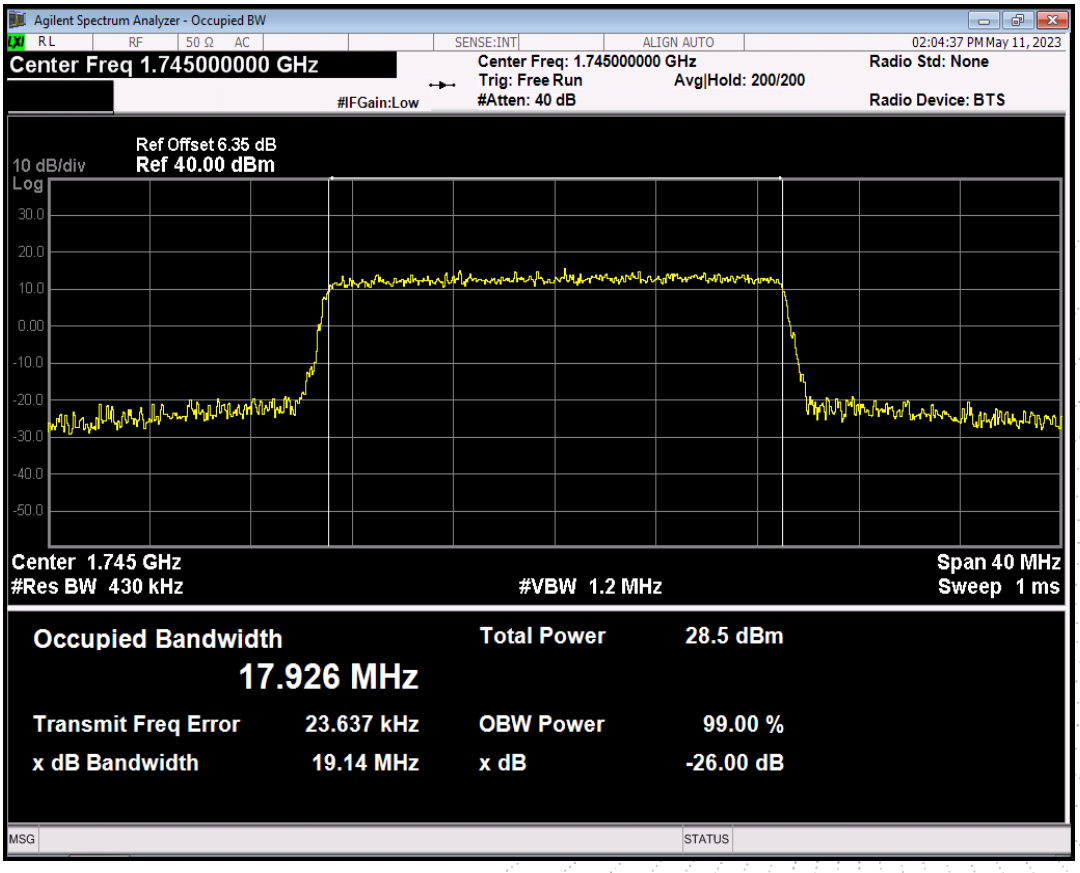
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



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

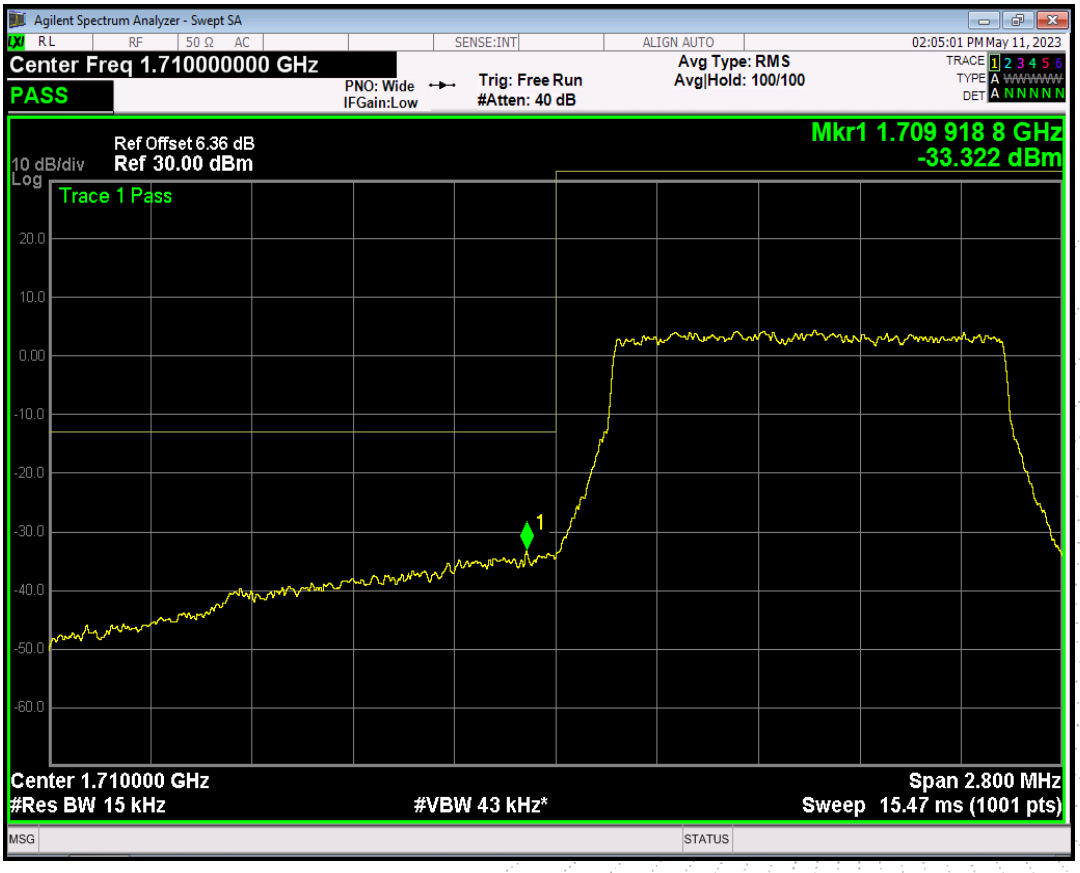


Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.99	-32.86	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.92	-33.32	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-33.41	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-34.33	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-28.81	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-31.93	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-30.35	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-31.90	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-33.64	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-33.14	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-33.29	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-35.63	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-36.25	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-37.46	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.26	-35.44	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.12	-37.26	-13	PASS
Band4	15	20025	75	#0	QPSK	1708.20	-37.44	-13	PASS
Band4	15	20025	75	#0	16QAM	1708.83	-38.93	-13	PASS
Band4	15	20325	75	#0	QPSK	1756.74	-33.54	-13	PASS
Band4	15	20325	75	#0	16QAM	1757.04	-35.91	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-37.75	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.80	-38.88	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.16	-33.53	-13	PASS
Band4	20	20300	100	#0	16QAM	1756.12	-35.53	-13	PASS

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

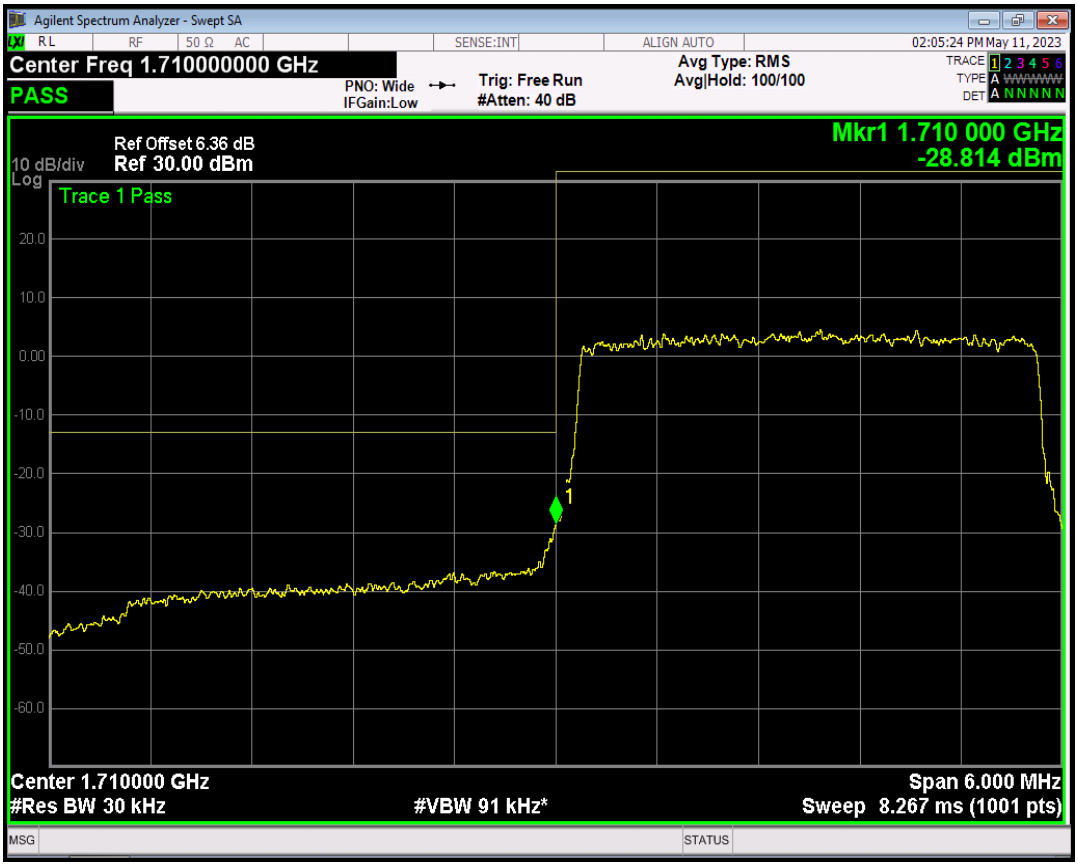
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



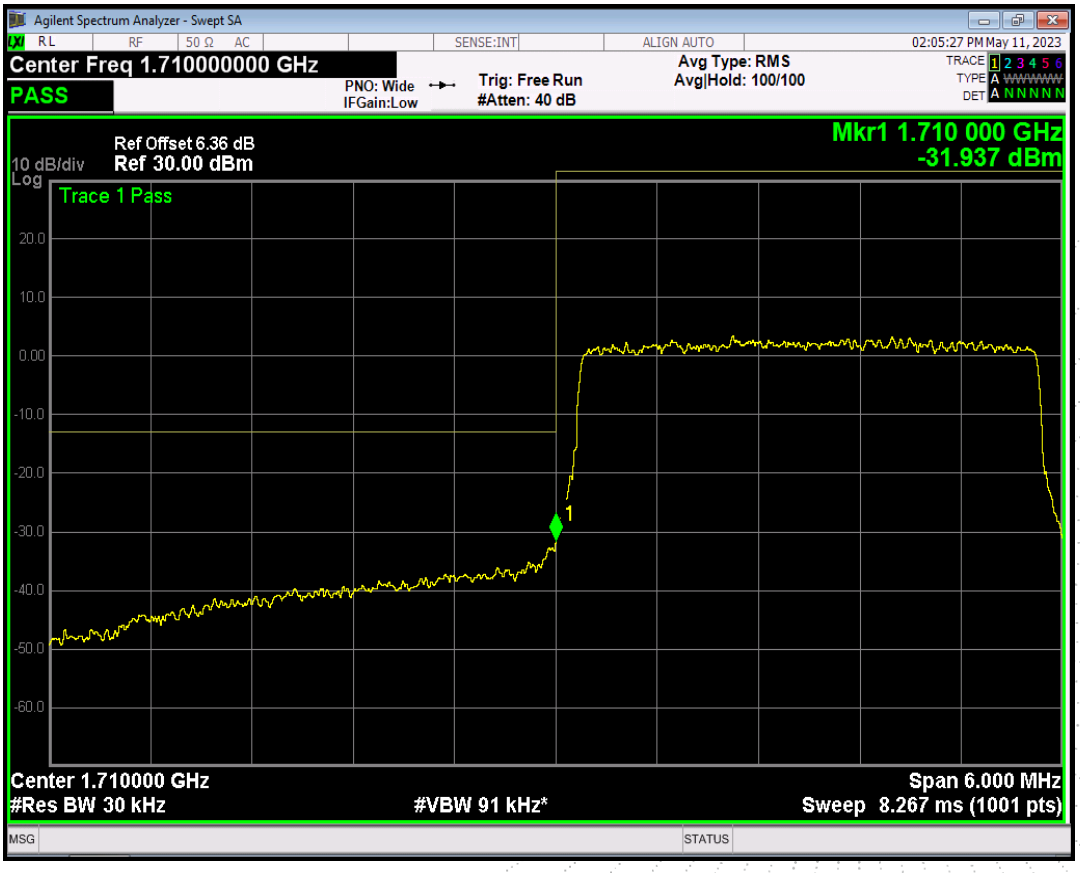
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

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

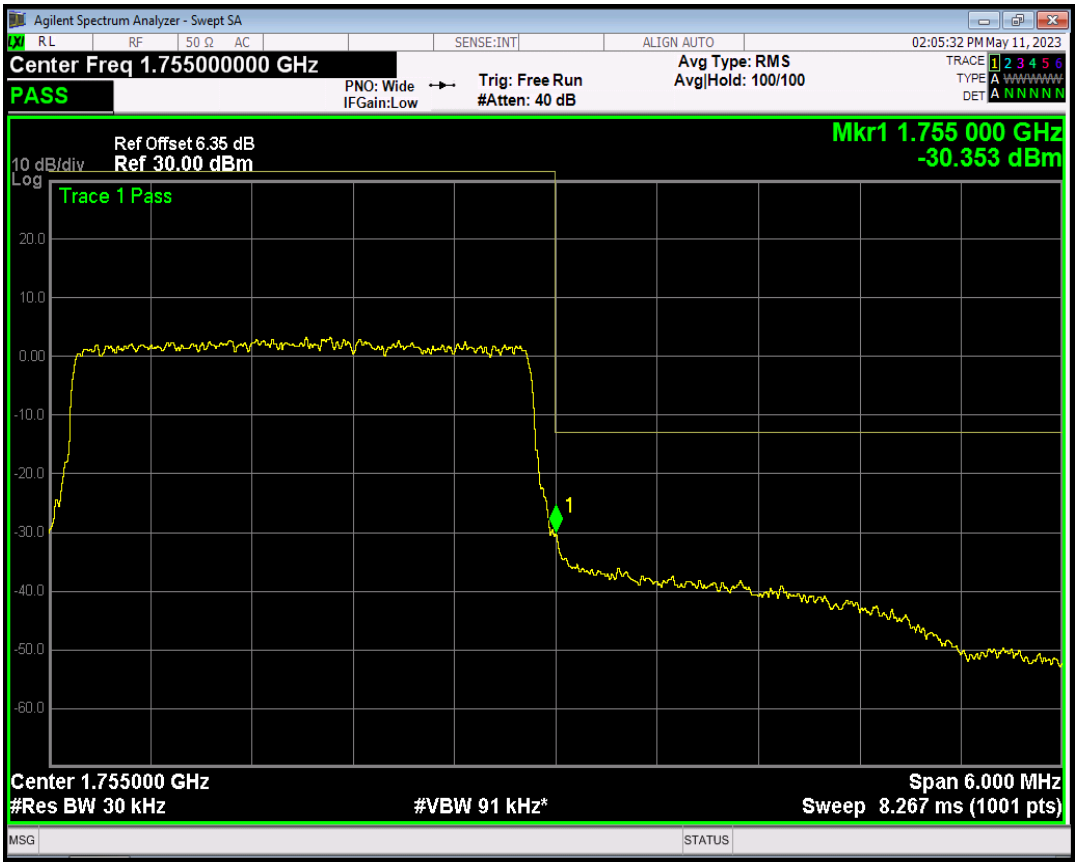
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



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

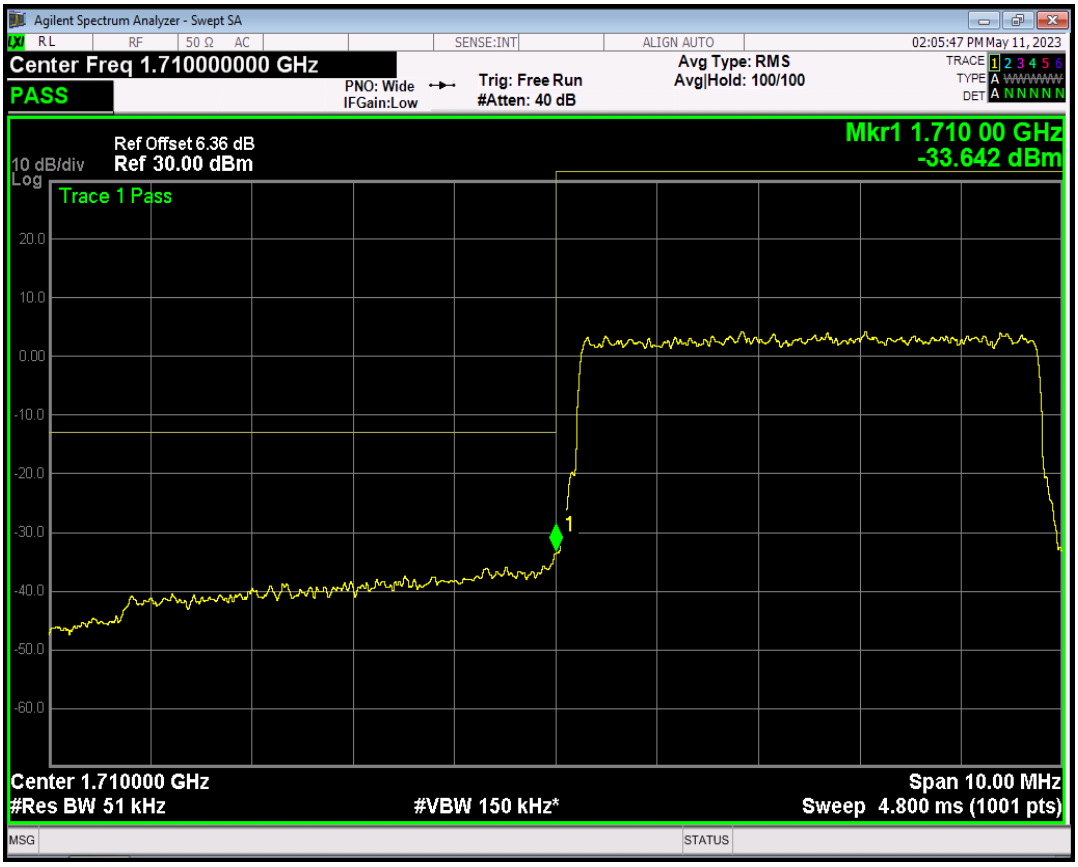


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

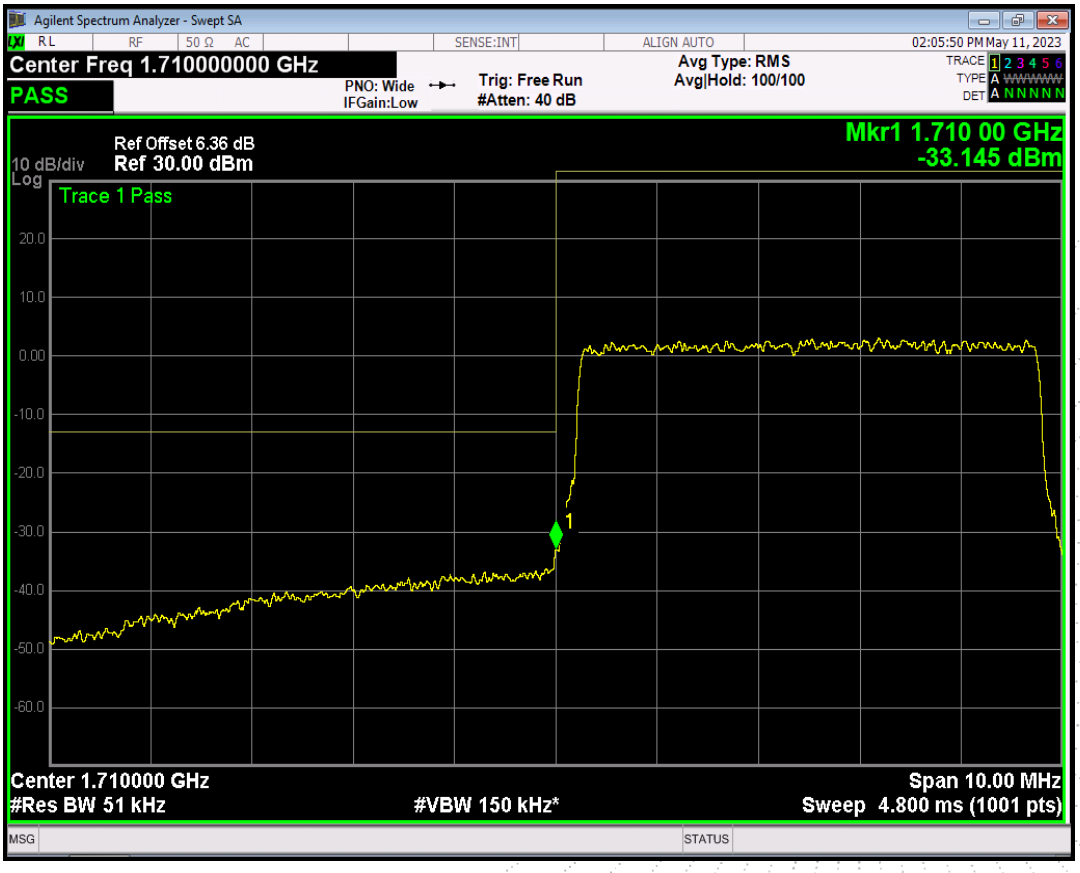


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

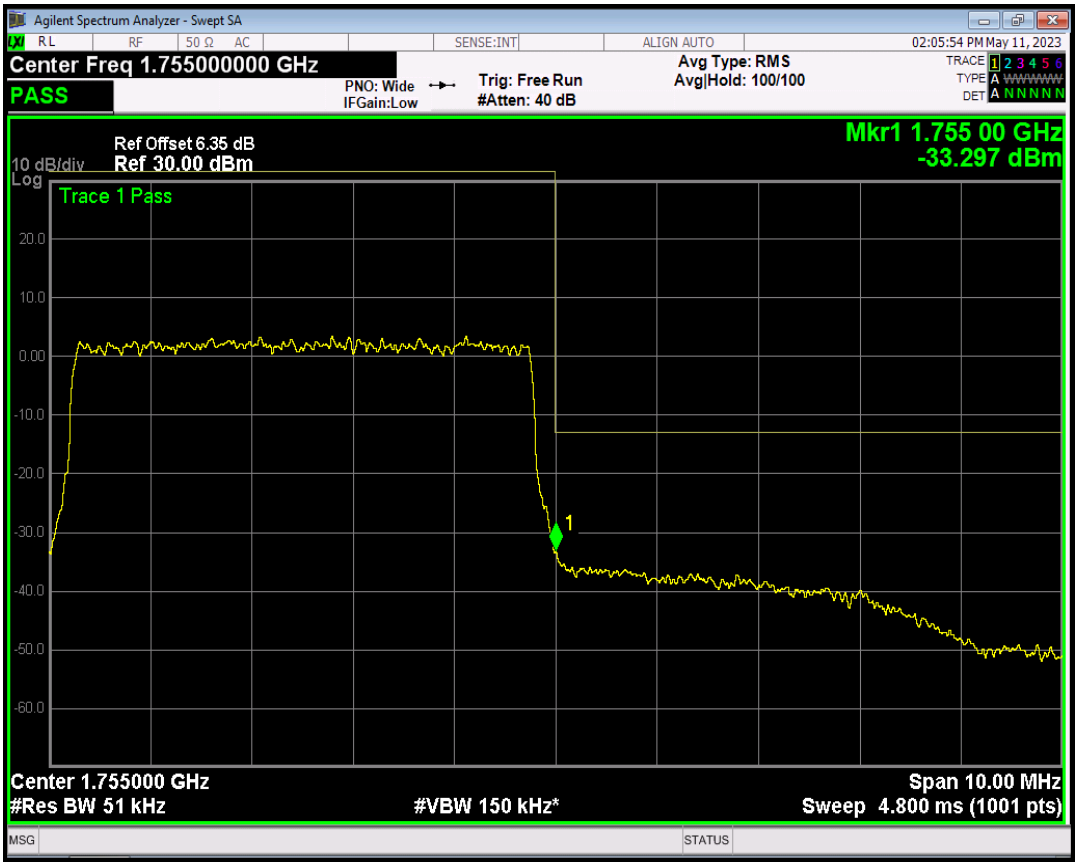
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



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

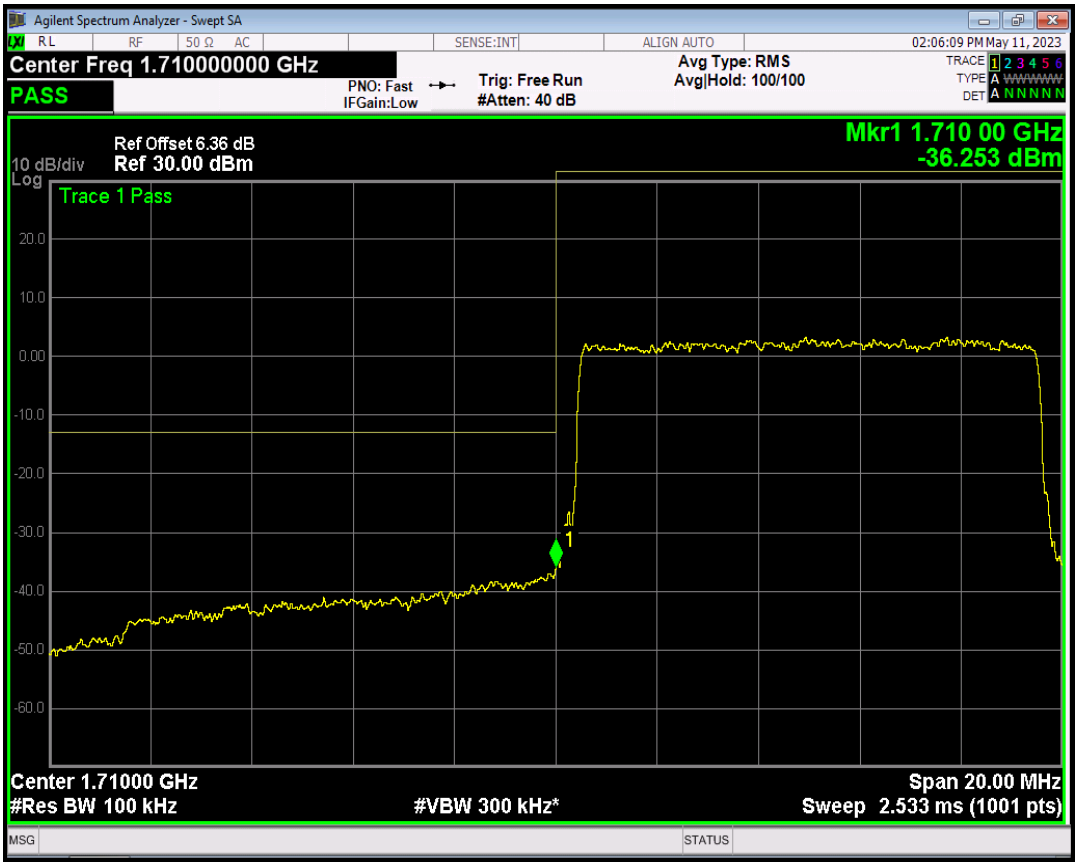


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

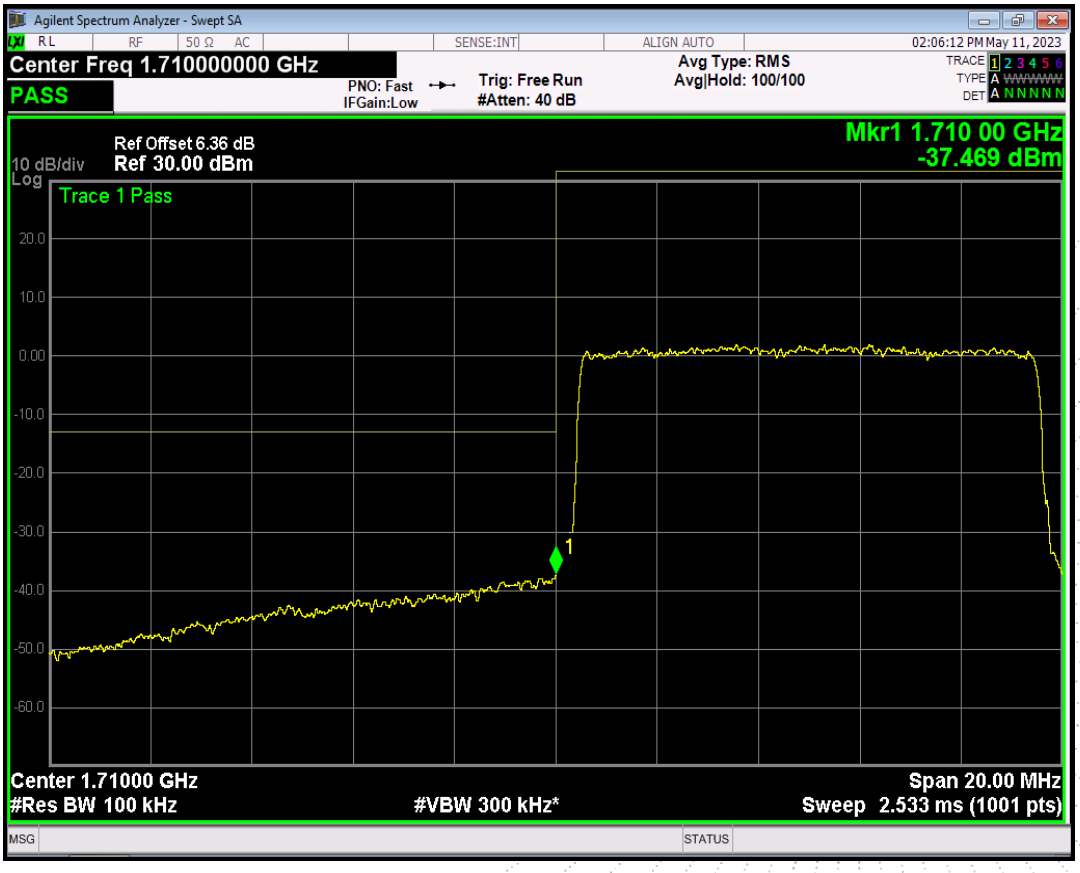


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

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



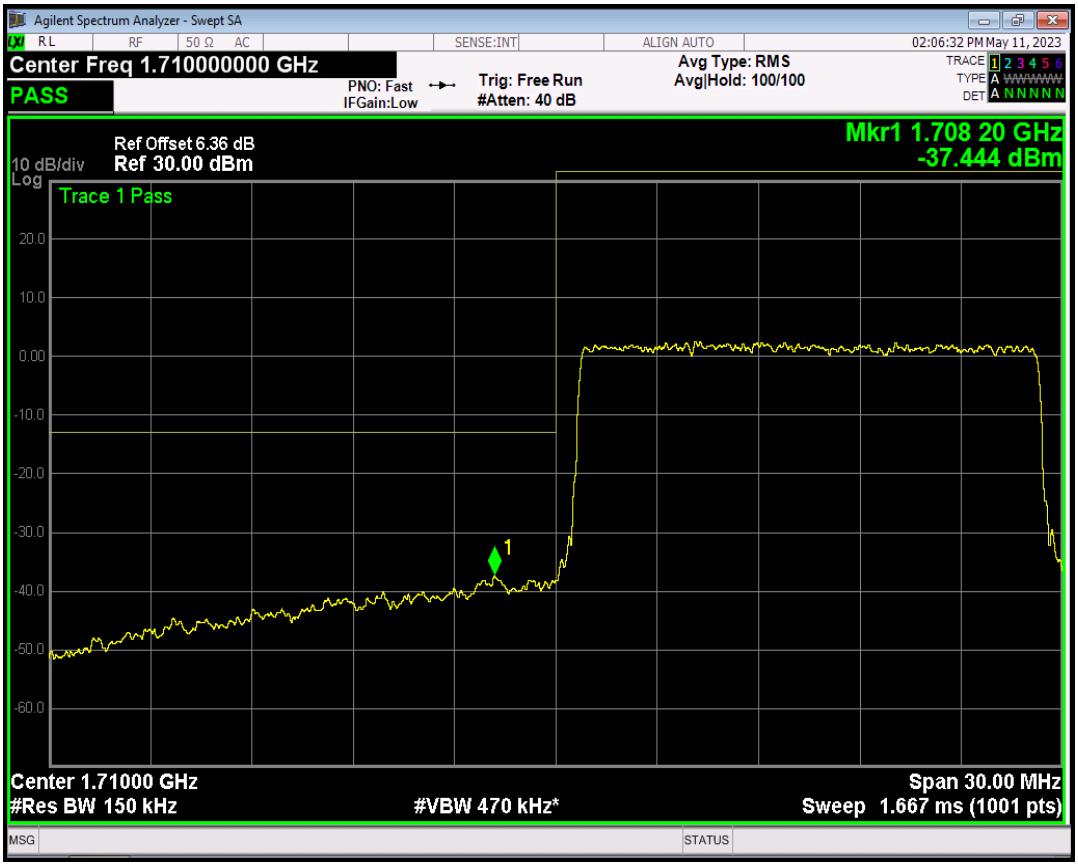
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



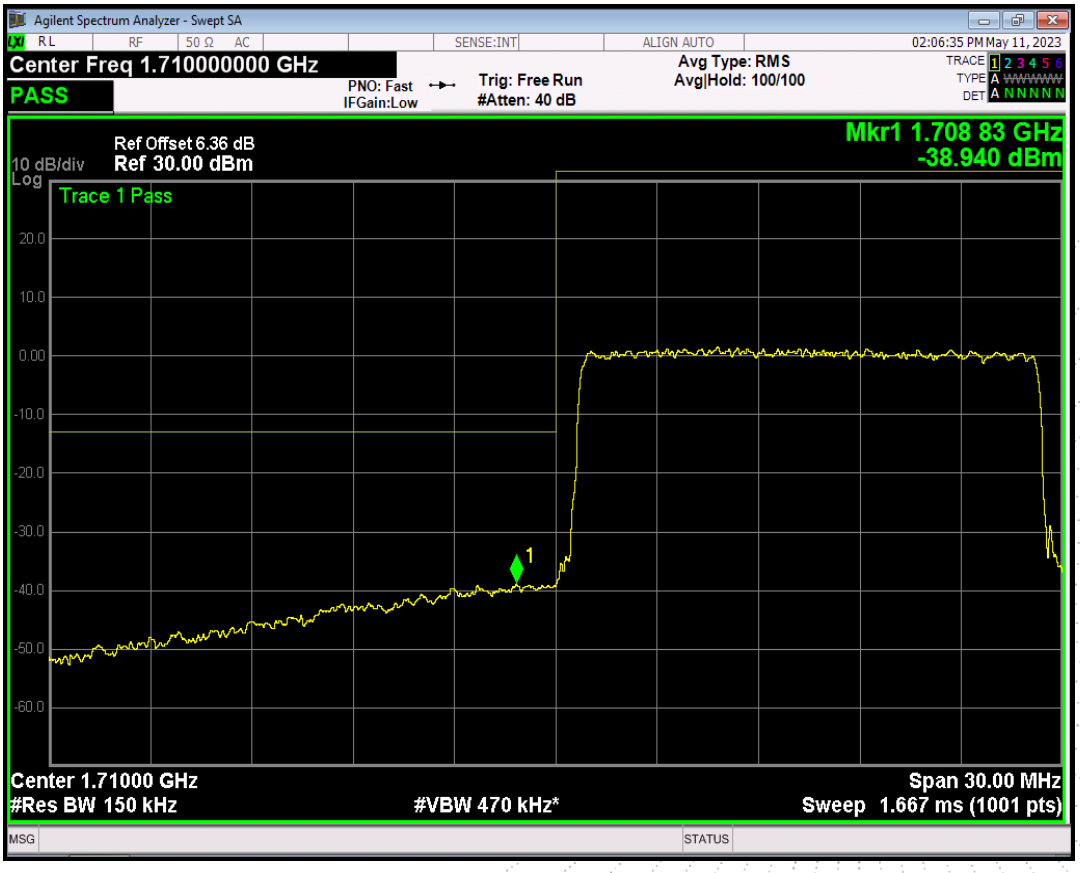
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

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

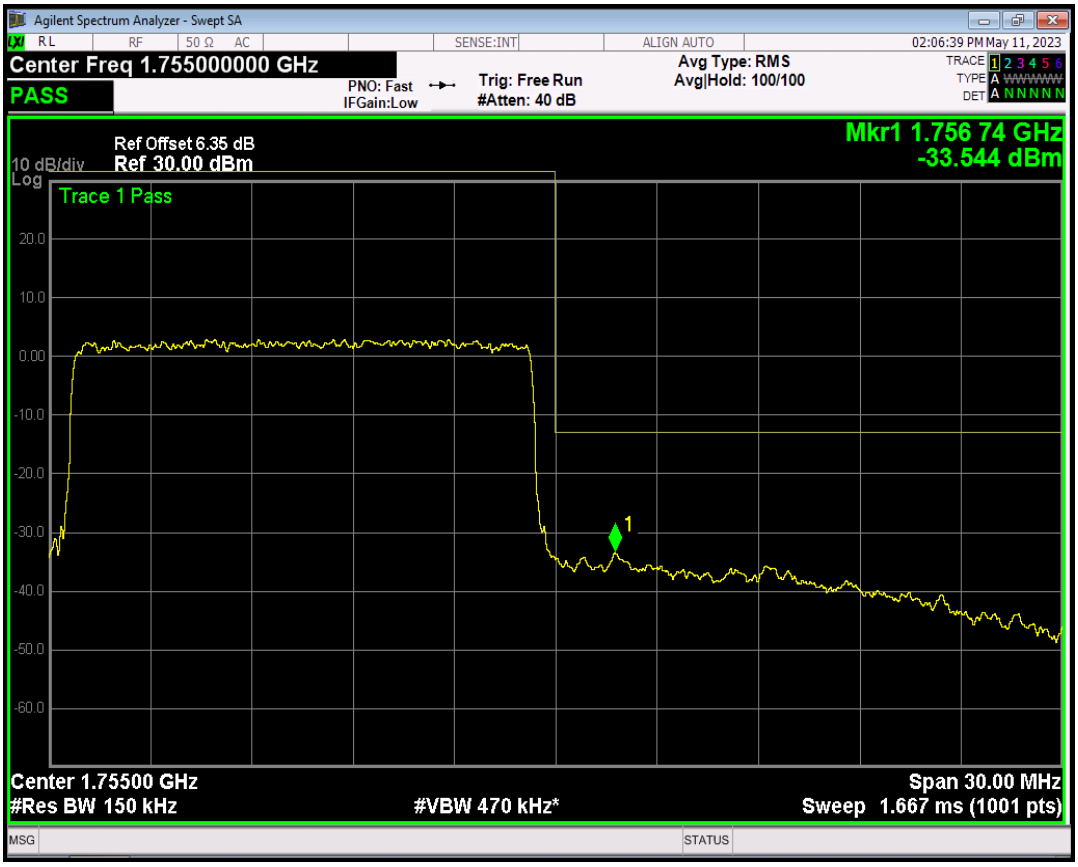
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



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

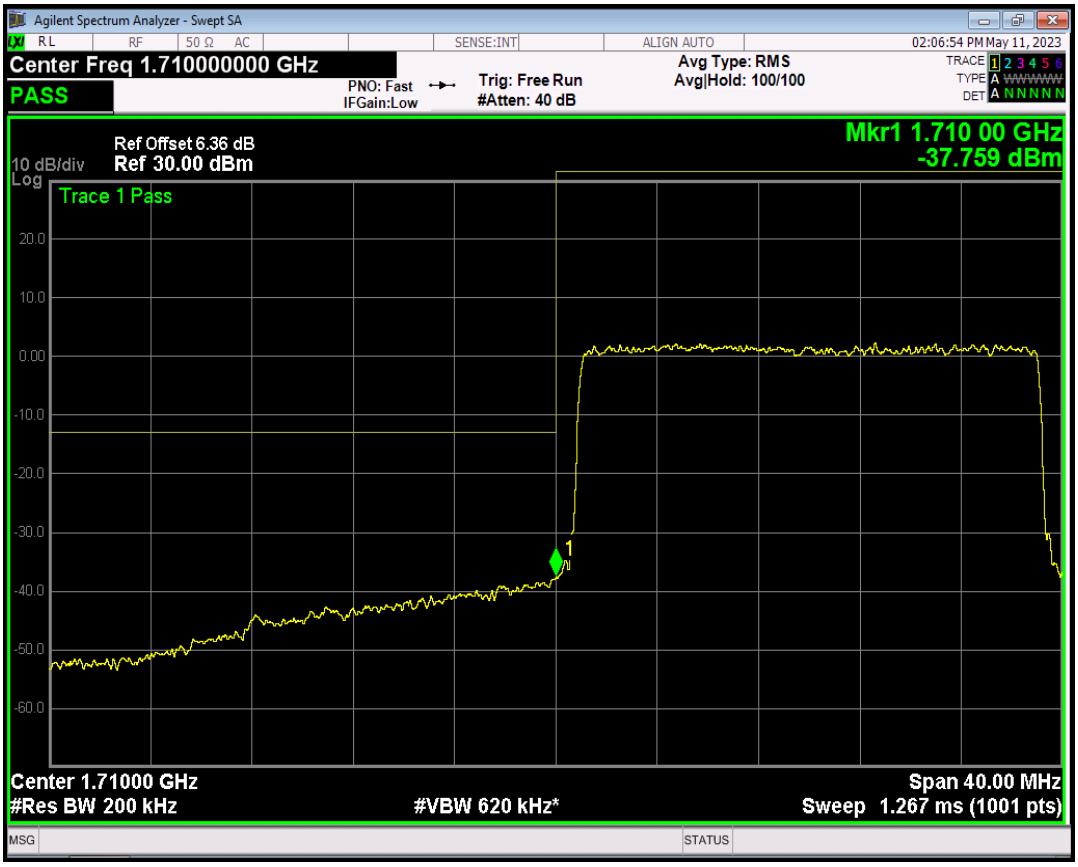


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

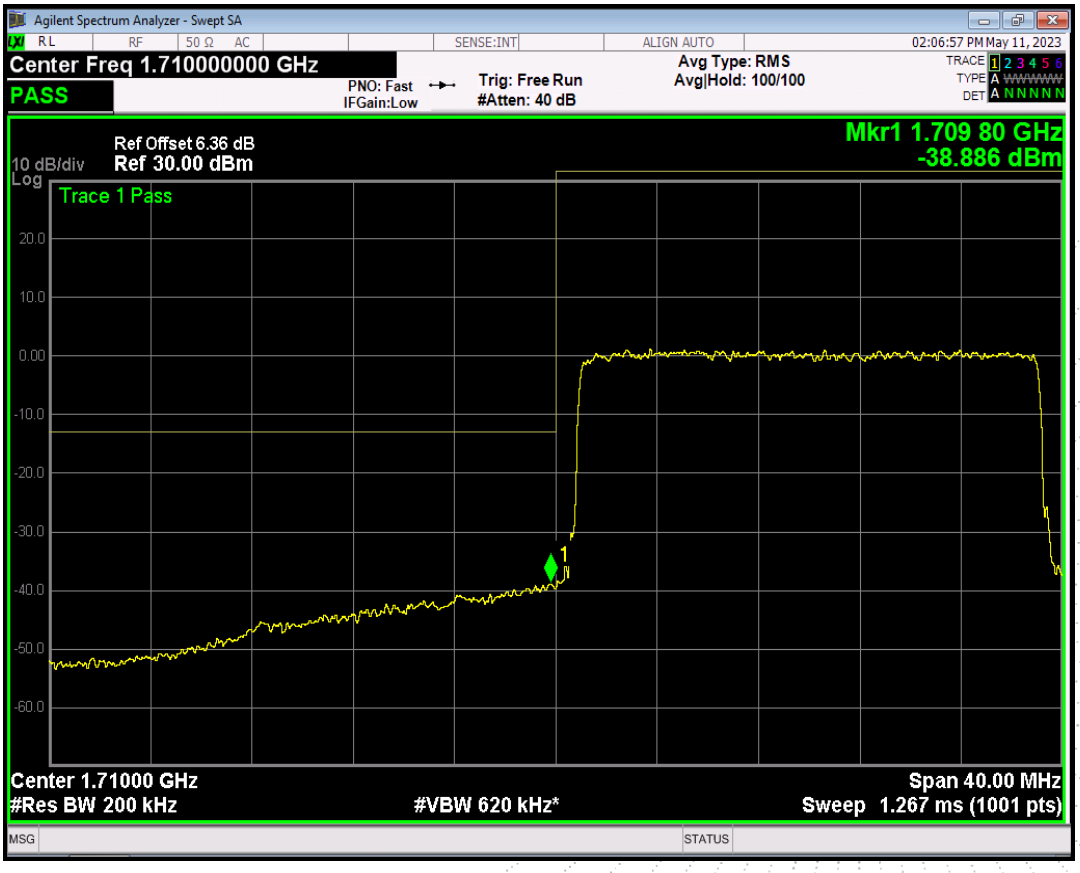


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

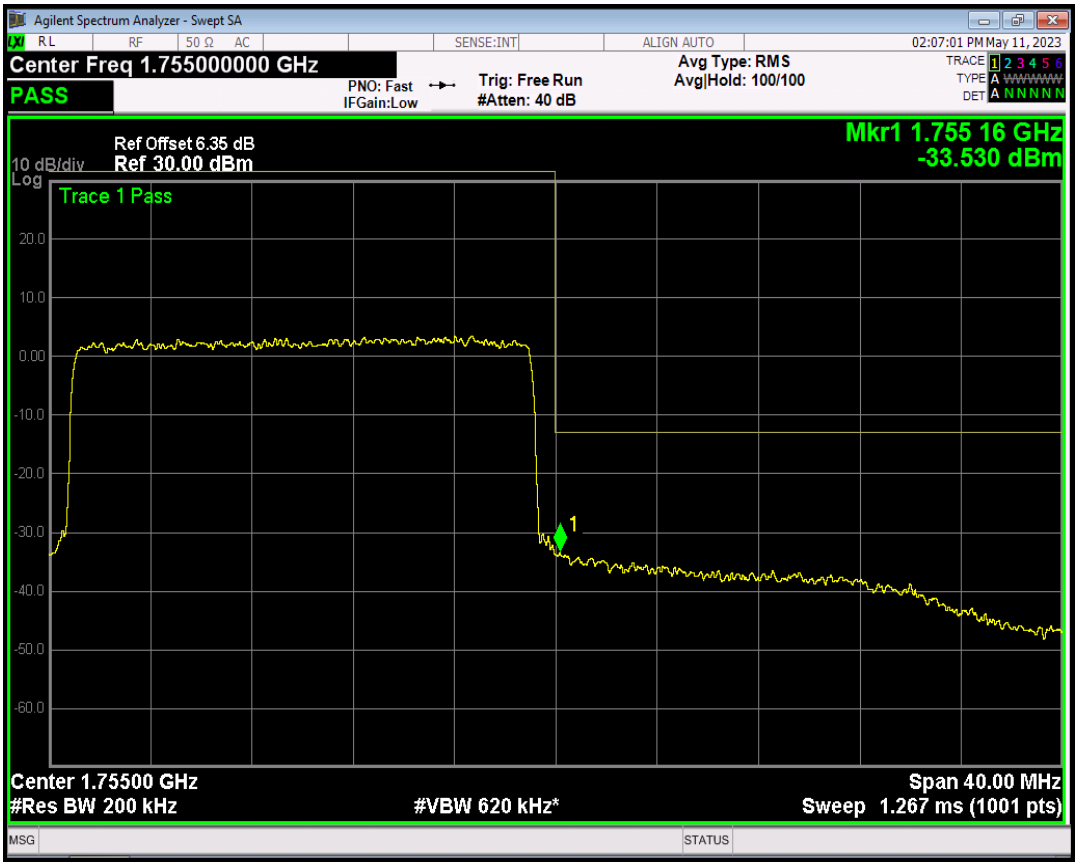
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



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

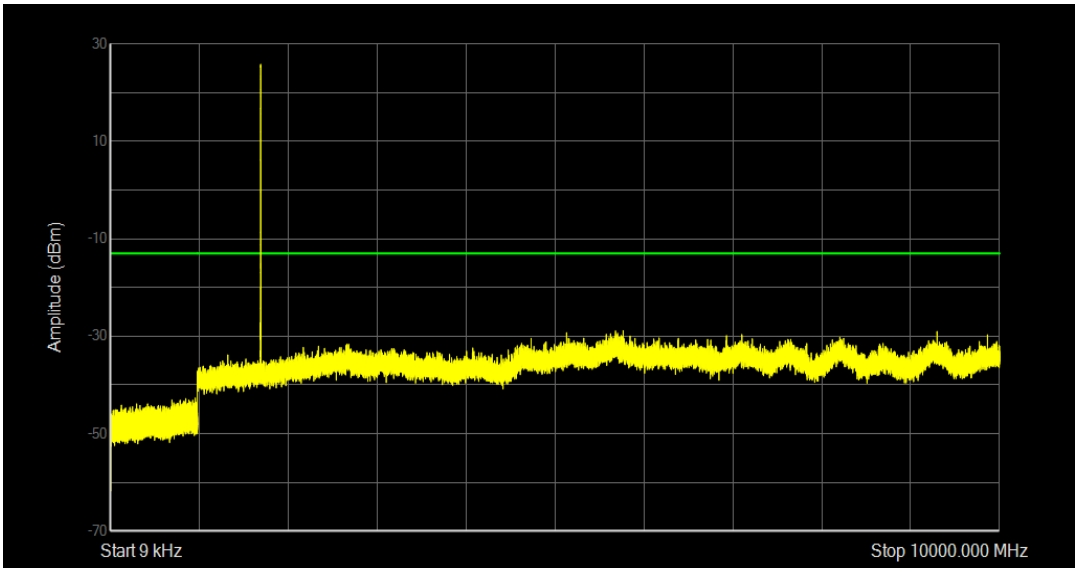


Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

Appendix 6. Out-of-band emissions

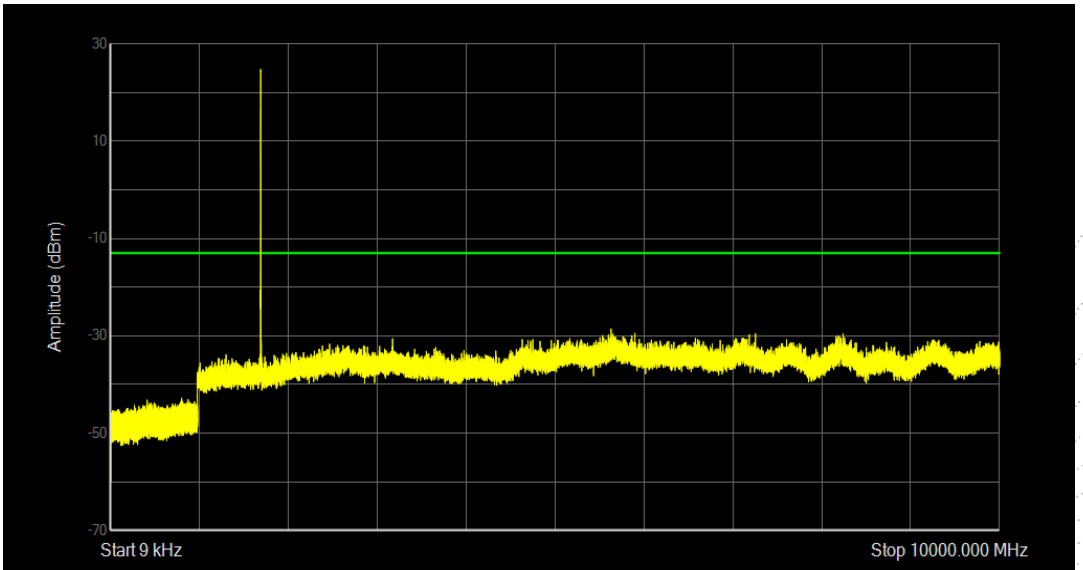
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	5777.65	-28.85	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5641.08	-28.57	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5680.23	-29.64	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5759.20	-29.25	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5679.10	-29.23	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5428.00	-28.87	-13	PASS
Band4	3	19965	15	#0	QPSK	5715.10	-28.97	-13	PASS
Band4	3	19965	15	#0	16QAM	5658.85	-28.99	-13	PASS
Band4	3	20175	15	#0	QPSK	5681.80	-28.84	-13	PASS
Band4	3	20175	15	#0	16QAM	5668.30	-29.00	-13	PASS
Band4	3	20385	15	#0	QPSK	6121.23	-29.16	-13	PASS
Band4	3	20385	15	#0	16QAM	7036.08	-29.13	-13	PASS
Band4	5	19975	25	#0	QPSK	5691.25	-27.89	-13	PASS
Band4	5	19975	25	#0	16QAM	9379.00	-28.86	-13	PASS
Band4	5	20175	25	#0	QPSK	9841.38	-29.34	-13	PASS
Band4	5	20175	25	#0	16QAM	5739.18	-29.63	-13	PASS
Band4	5	20375	25	#0	QPSK	5626.00	-28.92	-13	PASS
Band4	5	20375	25	#0	16QAM	5719.15	-28.86	-13	PASS
Band4	10	20000	50	#0	QPSK	5698.68	-29.18	-13	PASS
Band4	10	20000	50	#0	16QAM	8221.83	-28.64	-13	PASS
Band4	10	20175	50	#0	QPSK	5694.40	-29.31	-13	PASS
Band4	10	20175	50	#0	16QAM	5690.35	-28.66	-13	PASS
Band4	10	20350	50	#0	QPSK	9297.33	-28.34	-13	PASS
Band4	10	20350	50	#0	16QAM	5650.53	-29.18	-13	PASS
Band4	15	20025	75	#0	QPSK	5690.35	-28.77	-13	PASS
Band4	15	20025	75	#0	16QAM	5844.25	-28.95	-13	PASS
Band4	15	20175	75	#0	QPSK	5743.90	-28.87	-13	PASS
Band4	15	20175	75	#0	16QAM	5779.23	-28.21	-13	PASS
Band4	15	20325	75	#0	QPSK	5725.23	-28.85	-13	PASS
Band4	15	20325	75	#0	16QAM	8250.40	-29.14	-13	PASS
Band4	20	20050	100	#0	QPSK	6464.80	-27.77	-13	PASS
Band4	20	20050	100	#0	16QAM	8222.95	-29.26	-13	PASS
Band4	20	20175	100	#0	QPSK	5712.40	-29.12	-13	PASS
Band4	20	20175	100	#0	16QAM	8260.30	-29.35	-13	PASS
Band4	20	20300	100	#0	QPSK	5706.55	-28.35	-13	PASS
Band4	20	20300	100	#0	16QAM	5644.45	-28.30	-13	PASS

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



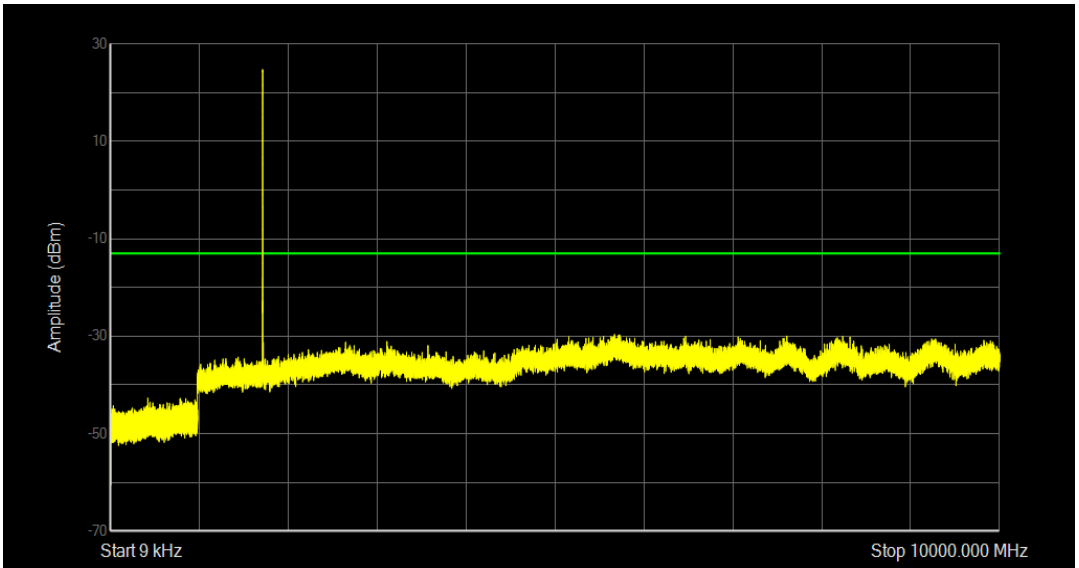
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010596825	-39.53	-13
2	0.15	30	10	0.158955	-39.15	-13
3	30	1000	100	976.93825	-42.69	-13
4	1000	10000	1000	5777.65	-28.85	-13

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



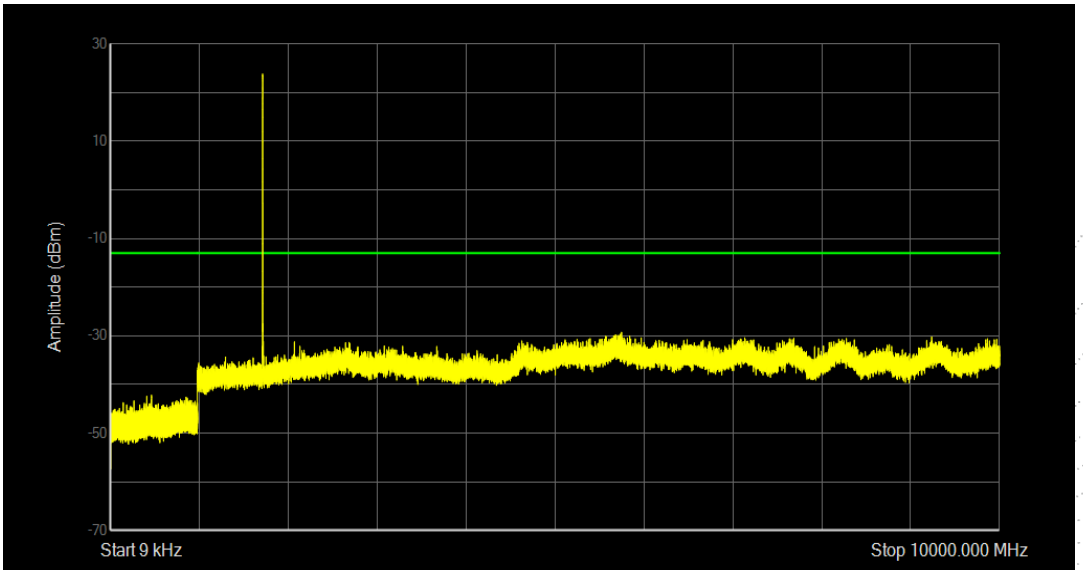
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-37.83	-13
2	0.15	30	10	0.15	-41.54	-13
3	30	1000	100	999.03	-41.94	-13
4	1000	10000	1000	5641.075	-28.57	-13

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



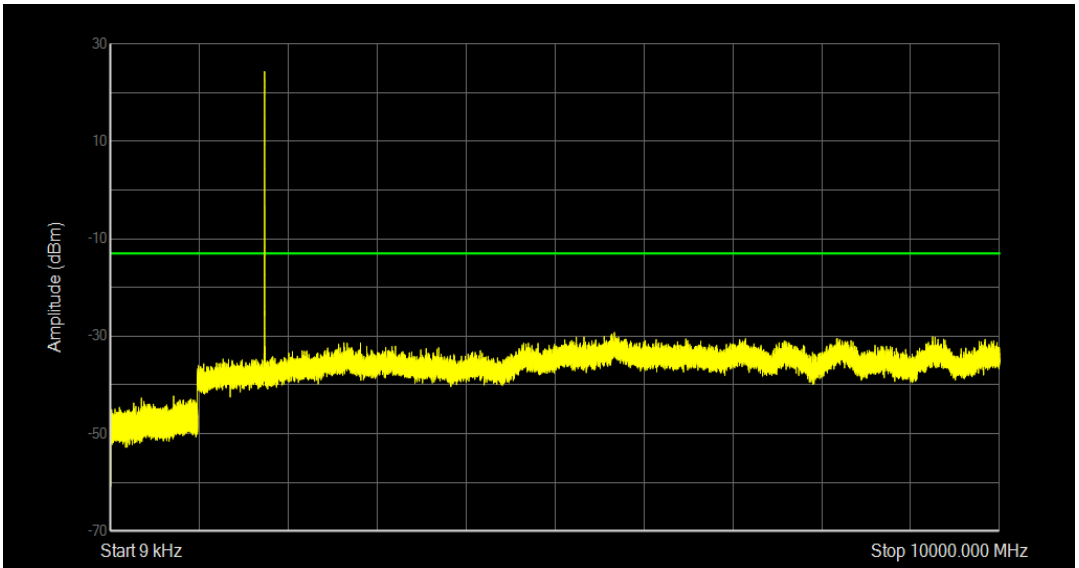
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011372325	-38.84	-13
2	0.15	30	10	0.152985	-40.94	-13
3	30	1000	100	444.60225	-42.72	-13
4	1000	10000	1000	5680.225	-29.64	-13

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



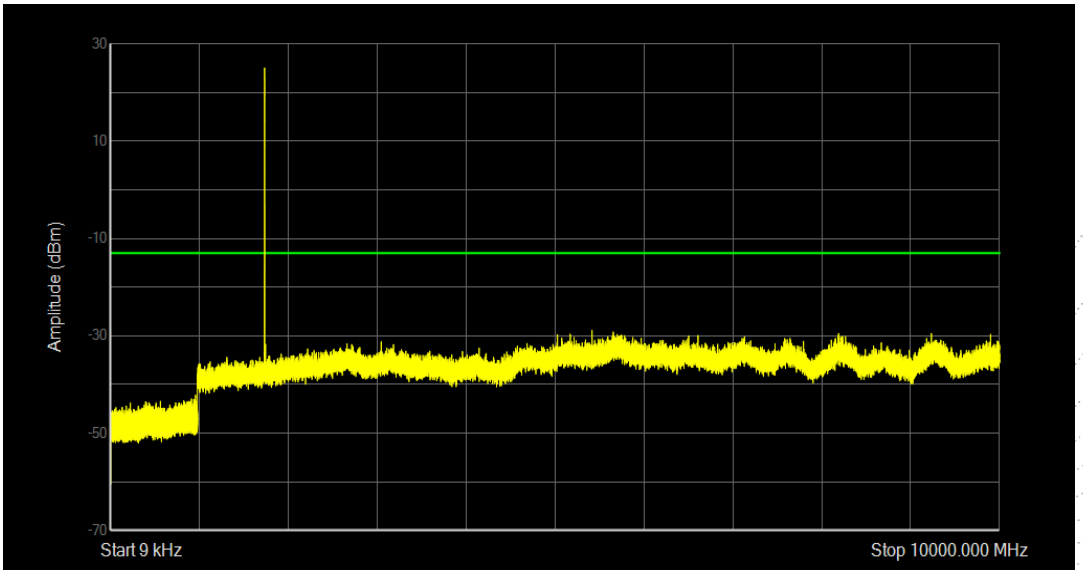
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011548575	-39.16	-13
2	0.15	30	10	0.15223875	-39.11	-13
3	30	1000	100	485.803	-42.2	-13
4	1000	10000	1000	5759.2	-29.25	-13

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



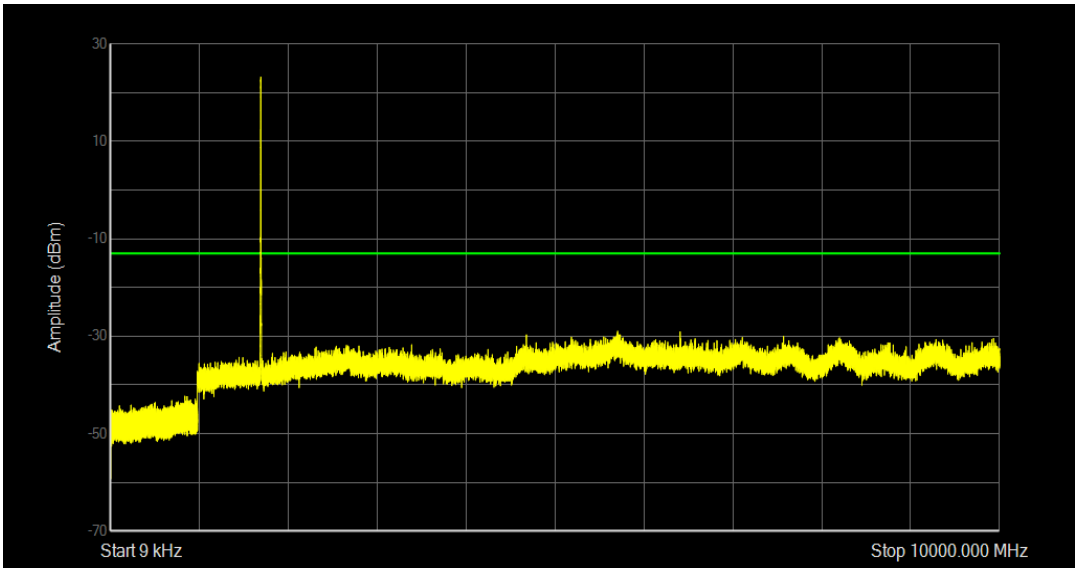
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097473	-38.77	-13
2	0.15	30	10	0.1544775	-39.7	-13
3	30	1000	100	733.56525	-42.29	-13
4	1000	10000	1000	5679.1	-29.23	-13

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



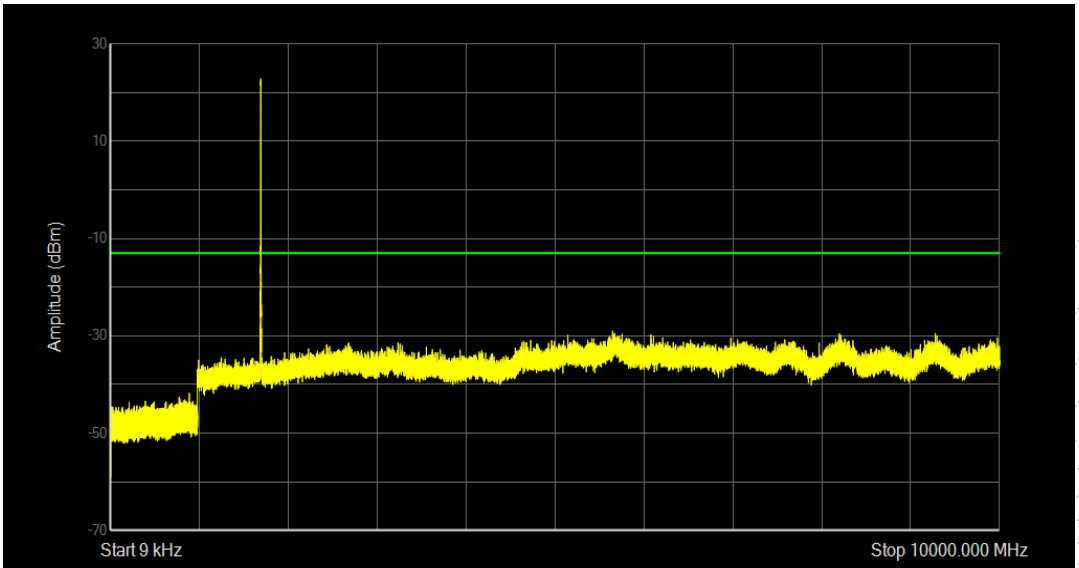
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009200925	-39.38	-13
2	0.15	30	10	0.15373125	-40.62	-13
3	30	1000	100	979.921	-42.18	-13
4	1000	10000	1000	5428	-28.87	-13

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



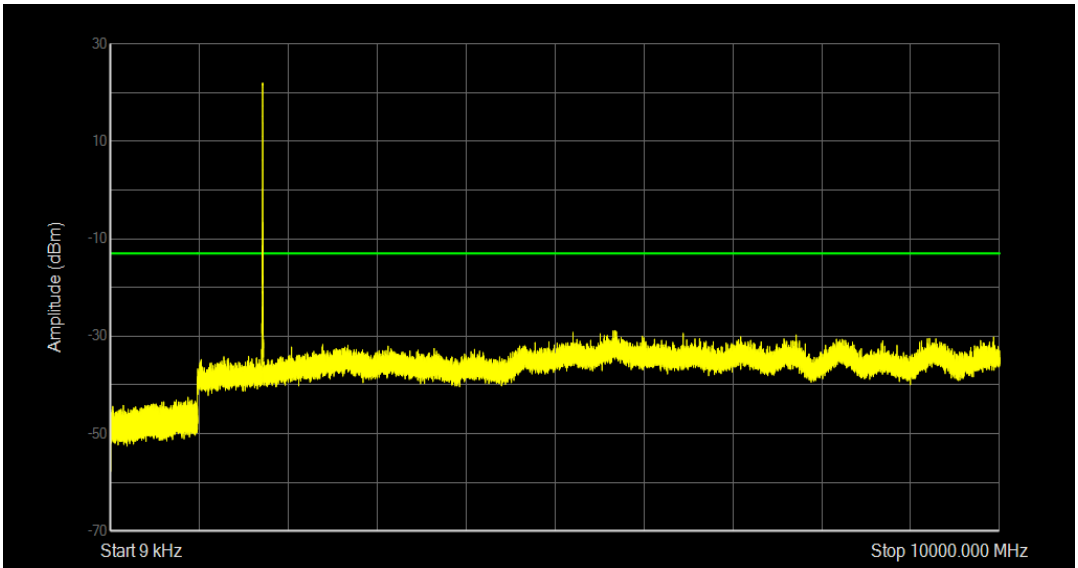
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01272945	-40.55	-13
2	0.15	30	10	0.1544775	-40.14	-13
3	30	1000	100	860.32	-42.3	-13
4	1000	10000	1000	5715.1	-28.97	-13

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



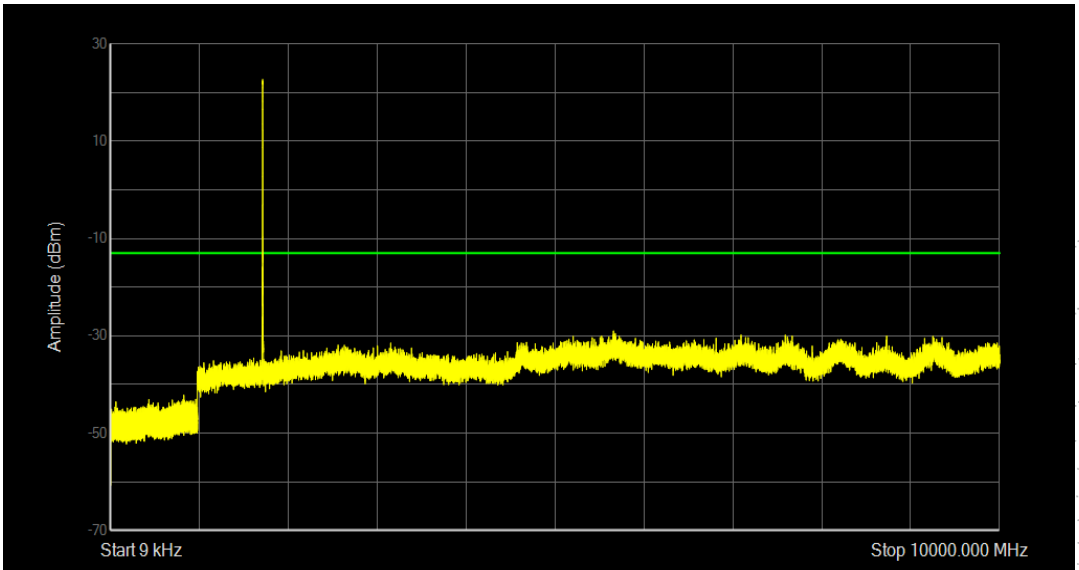
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009468825	-39.41	-13
2	0.15	30	10	0.15	-39.87	-13
3	30	1000	100	909.71725	-41.8	-13
4	1000	10000	1000	5658.85	-28.99	-13

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



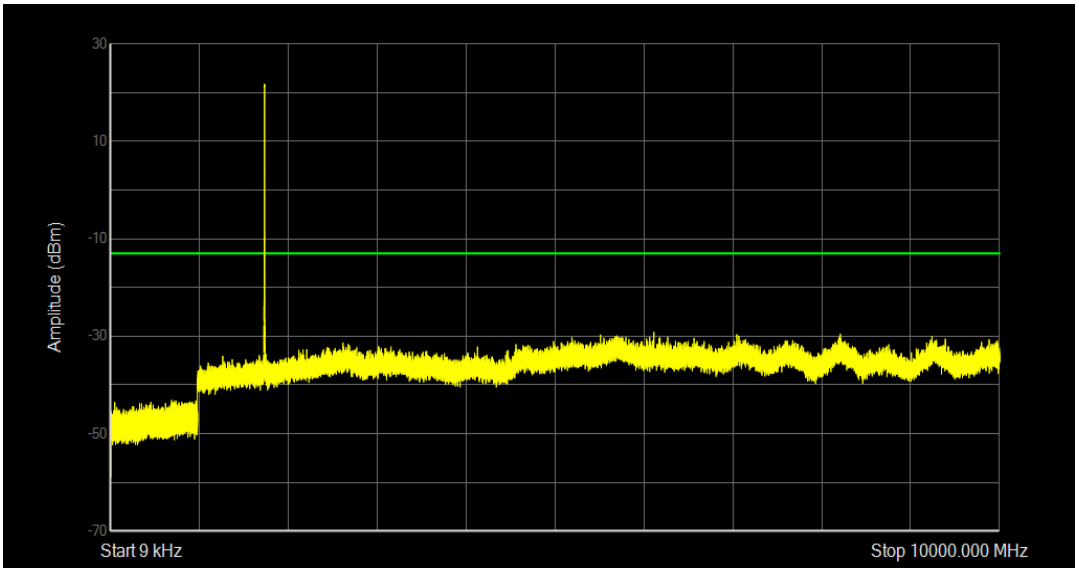
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01209495	-39.19	-13
2	0.15	30	10	0.15522375	-41.1	-13
3	30	1000	100	895.60375	-42.53	-13
4	1000	10000	1000	5681.8	-28.84	-13

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



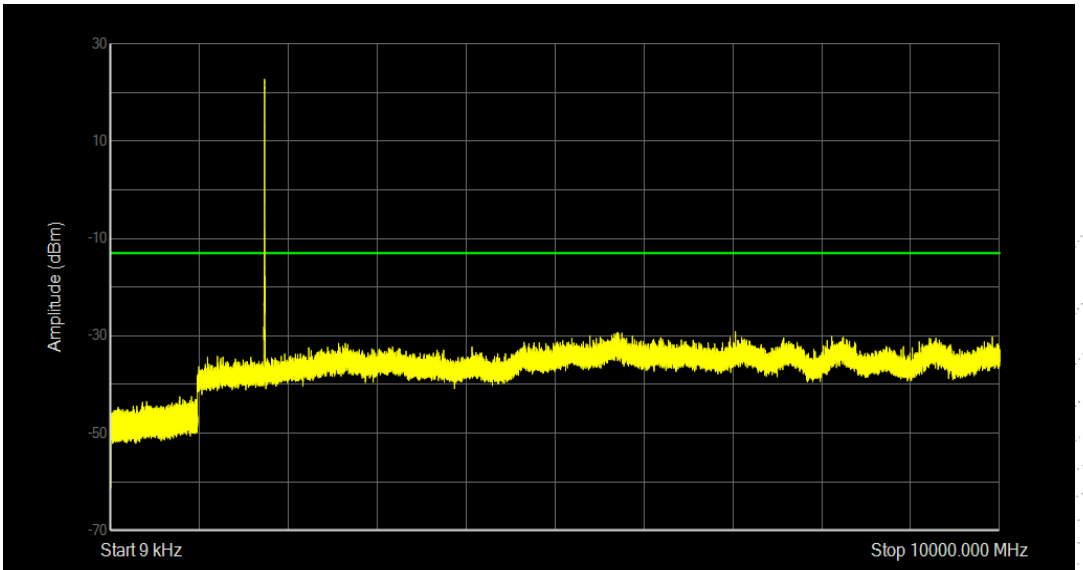
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.39	-13
2	0.15	30	10	0.15	-40.39	-13
3	30	1000	100	848.292	-42.2	-13
4	1000	10000	1000	5668.3	-29	-13

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



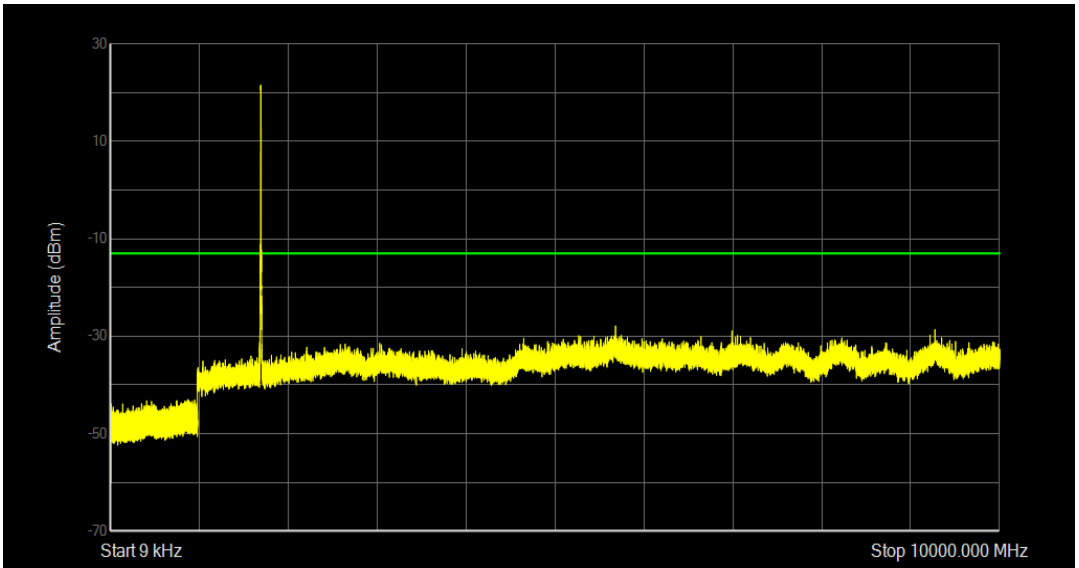
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-38.41	-13
2	0.15	30	10	0.15597	-39.77	-13
3	30	1000	100	711.69175	-43.14	-13
4	1000	10000	1000	6121.225	-29.16	-13

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



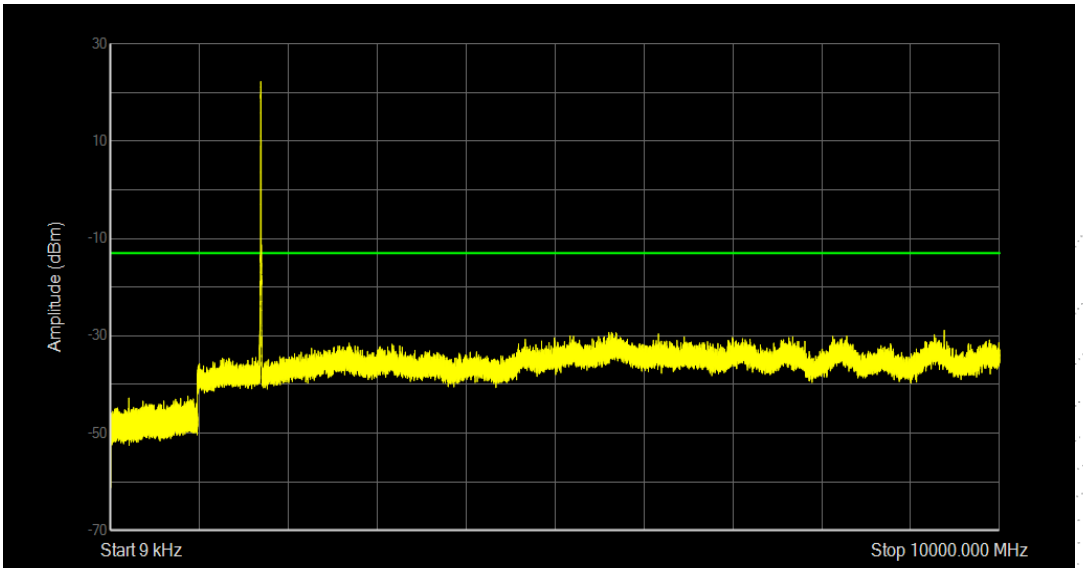
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010688475	-39.8	-13
2	0.15	30	10	0.15820875	-40.96	-13
3	30	1000	100	935.1555	-42.5	-13
4	1000	10000	1000	7036.075	-29.13	-13

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



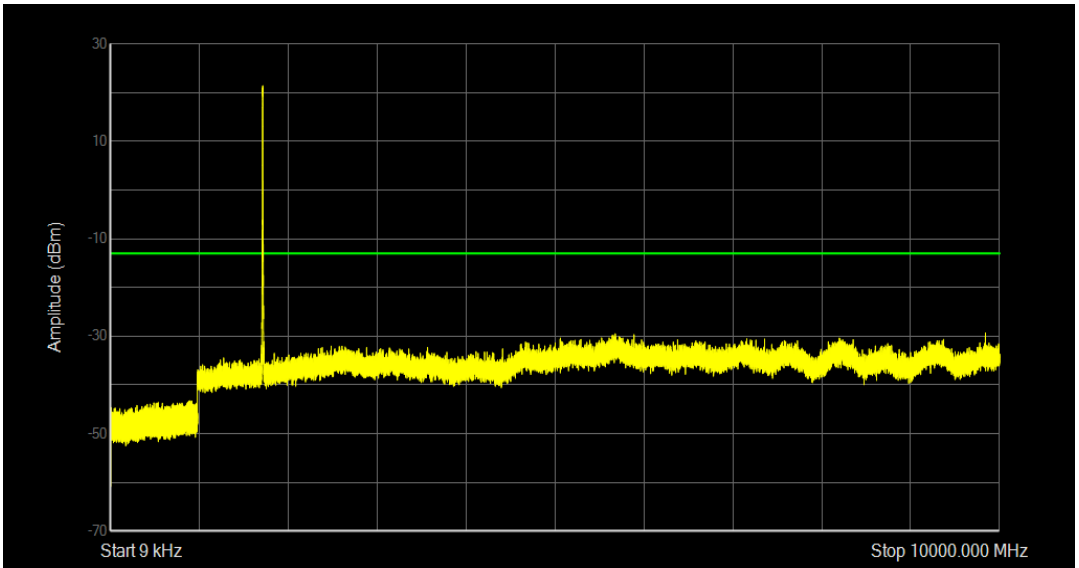
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009003525	-38.81	-13
2	0.15	30	10	0.15970125	-39.15	-13
3	30	1000	100	890.9235	-43	-13
4	1000	10000	1000	5691.25	-27.89	-13

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



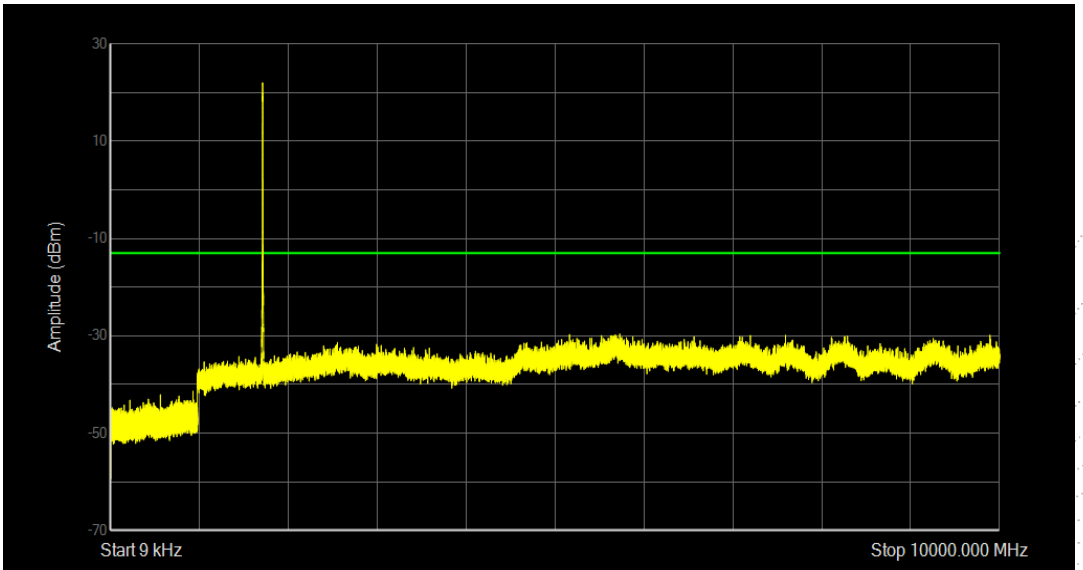
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009017625	-39.1	-13
2	0.15	30	10	0.15	-40.19	-13
3	30	1000	100	893.591	-42.4	-13
4	1000	10000	1000	9379	-28.86	-13

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



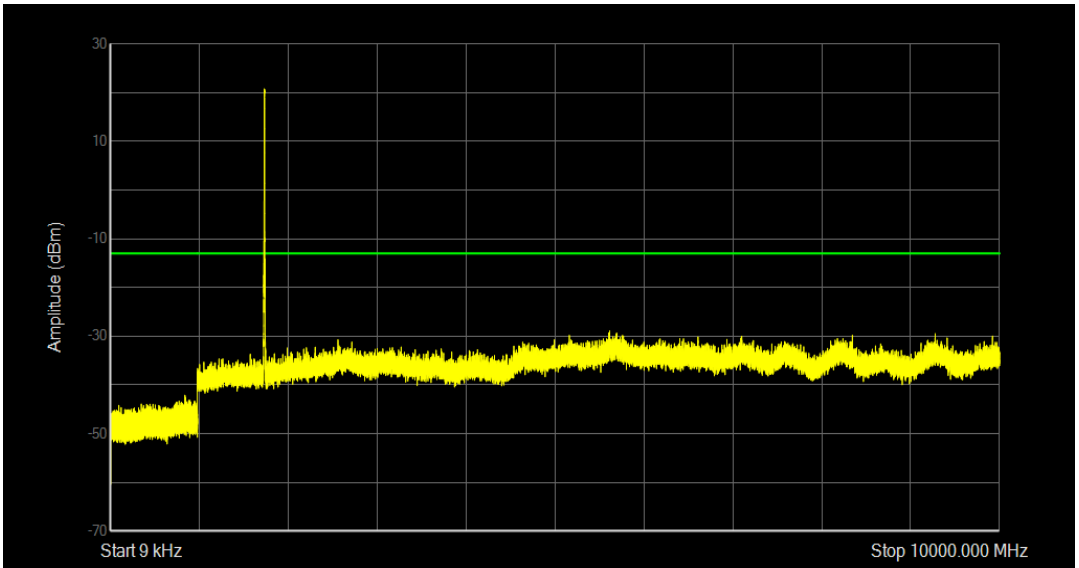
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01261665	-39.53	-13
2	0.15	30	10	0.15373125	-39.13	-13
3	30	1000	100	913.767	-43.26	-13
4	1000	10000	1000	9841.375	-29.34	-13

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



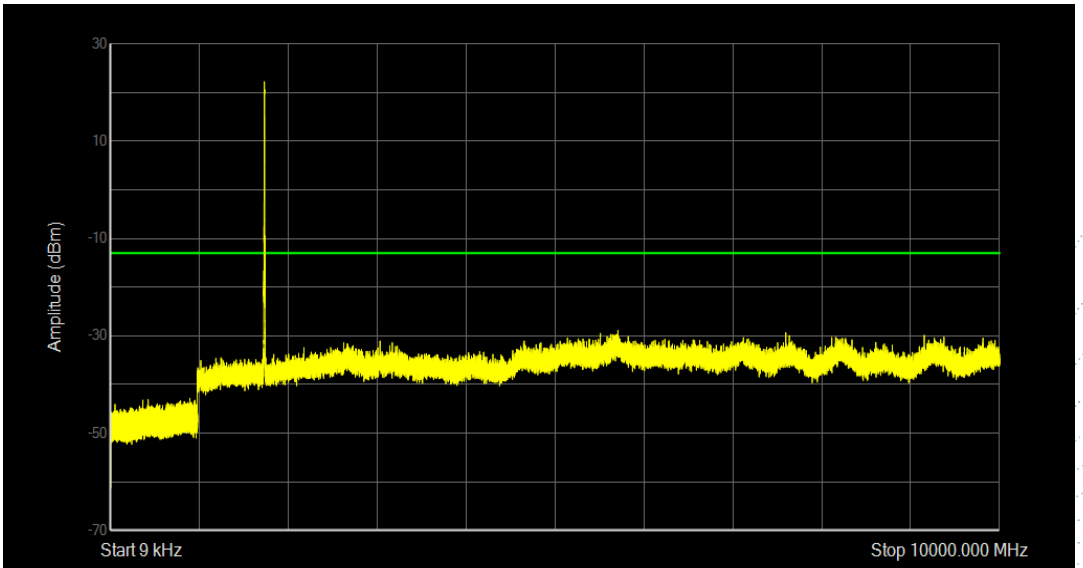
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095217	-40.18	-13
2	0.15	30	10	0.15223875	-38.82	-13
3	30	1000	100	951.112	-41.38	-13
4	1000	10000	1000	5739.175	-29.63	-13

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



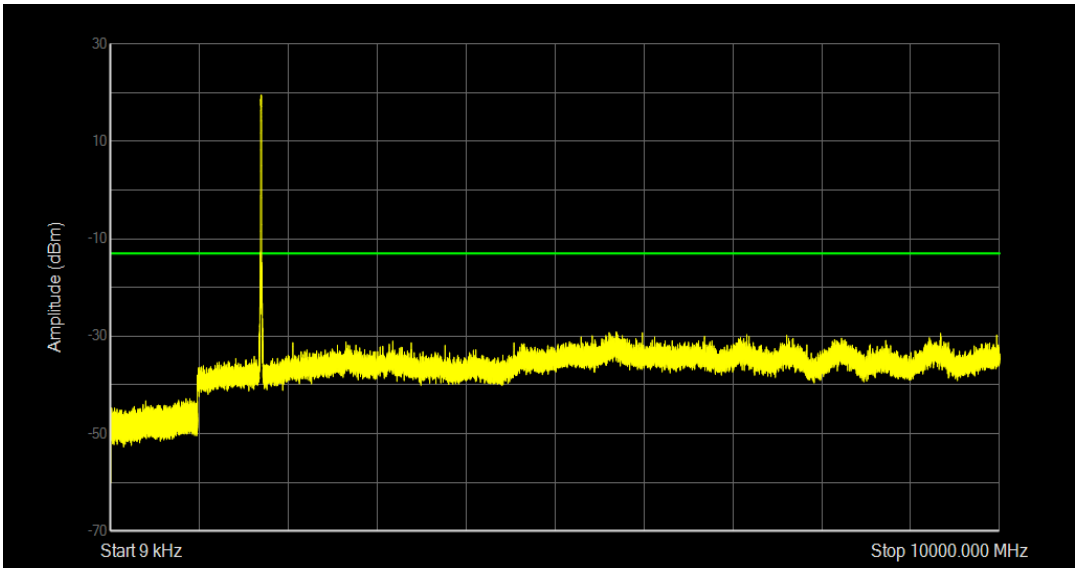
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01064265	-39.04	-13
2	0.15	30	10	0.15	-38.75	-13
3	30	1000	100	861.02325	-42.12	-13
4	1000	10000	1000	5626	-28.92	-13

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



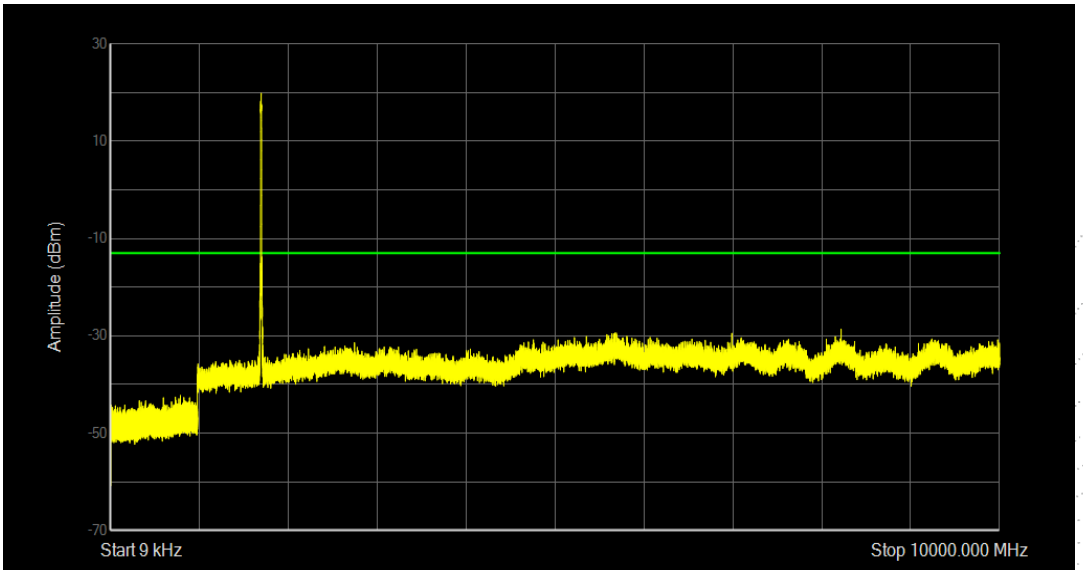
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009574575	-38.19	-13
2	0.15	30	10	0.1723875	-39.44	-13
3	30	1000	100	915.63425	-42.86	-13
4	1000	10000	1000	5719.15	-28.86	-13

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



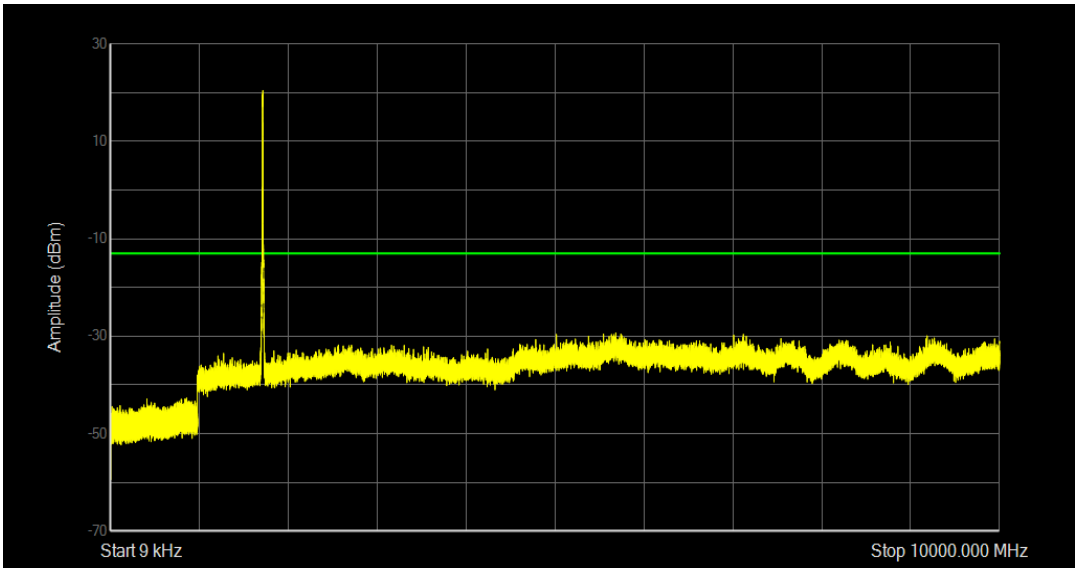
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01091055	-39.31	-13
2	0.15	30	10	0.15597	-40.51	-13
3	30	1000	100	873.415	-42.82	-13
4	1000	10000	1000	5698.675	-29.18	-13

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



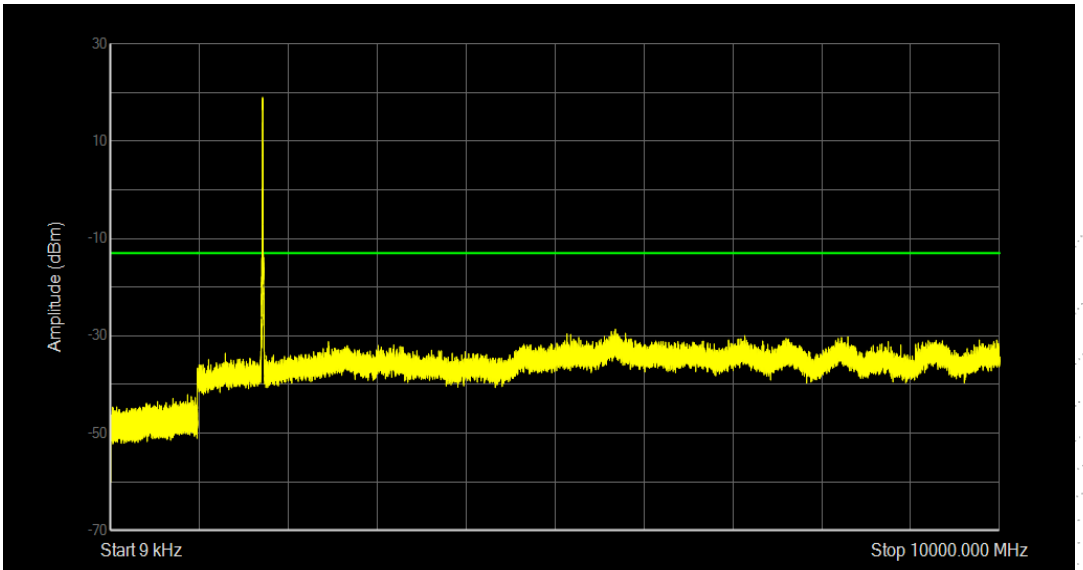
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0102126	-37.02	-13
2	0.15	30	10	0.15	-39.18	-13
3	30	1000	100	810.77725	-42.28	-13
4	1000	10000	1000	8221.825	-28.64	-13

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



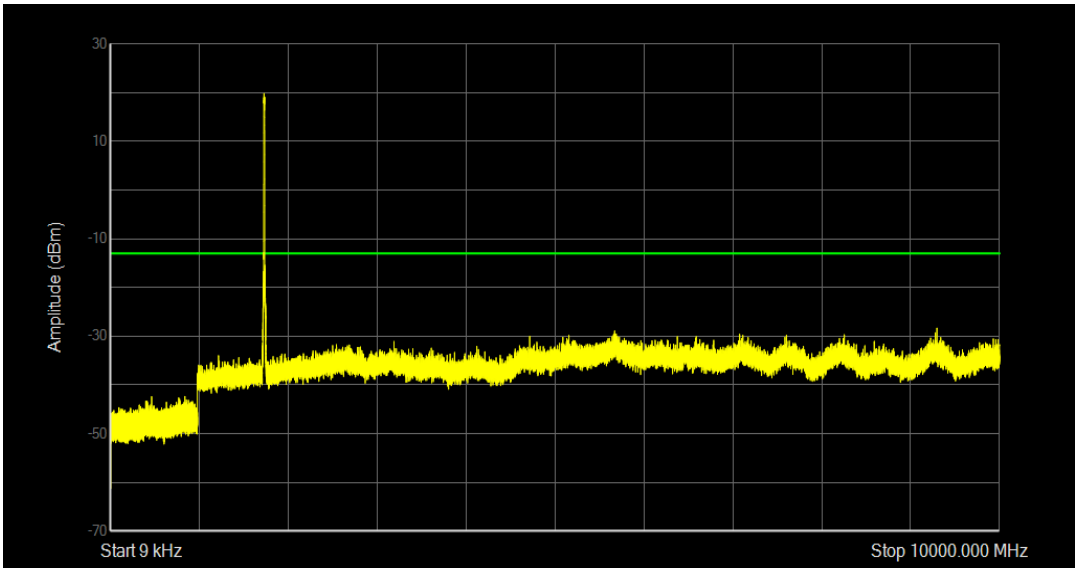
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009595725	-38.34	-13
2	0.15	30	10	0.16119375	-39.81	-13
3	30	1000	100	880.011	-42.69	-13
4	1000	10000	1000	5694.4	-29.31	-13

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



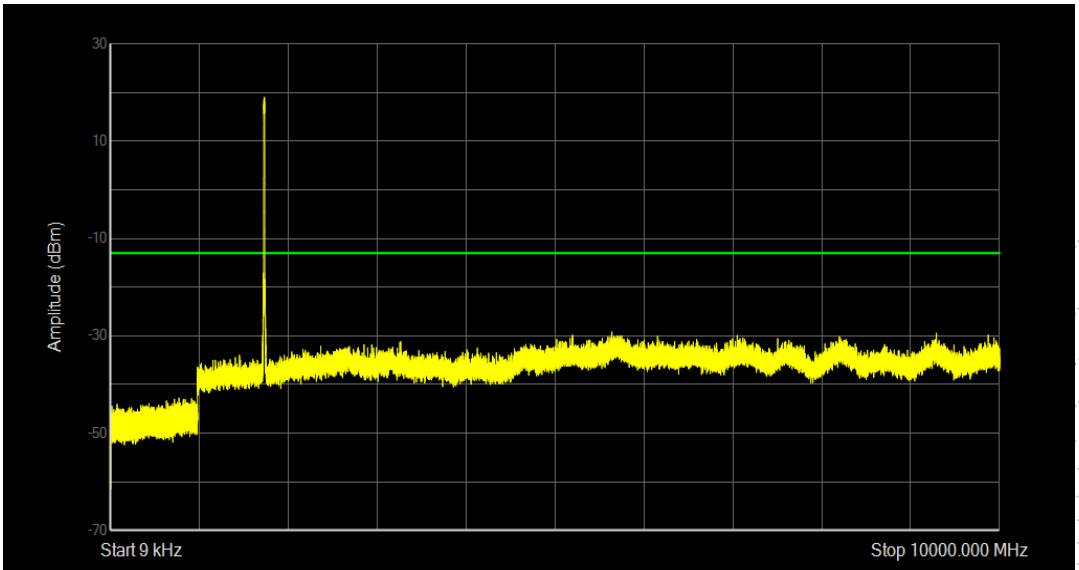
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009419475	-39.81	-13
2	0.15	30	10	0.158955	-41.43	-13
3	30	1000	100	891.72375	-42.09	-13
4	1000	10000	1000	5690.35	-28.66	-13

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



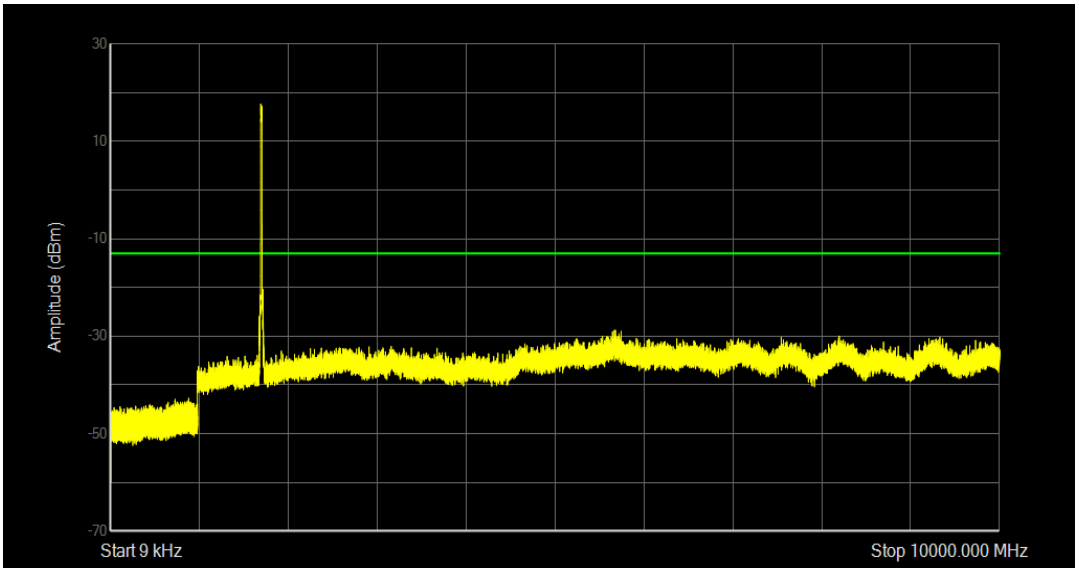
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01119255	-39.86	-13
2	0.15	30	10	0.15373125	-39.55	-13
3	30	1000	100	860.805	-42.37	-13
4	1000	10000	1000	9297.325	-28.34	-13

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



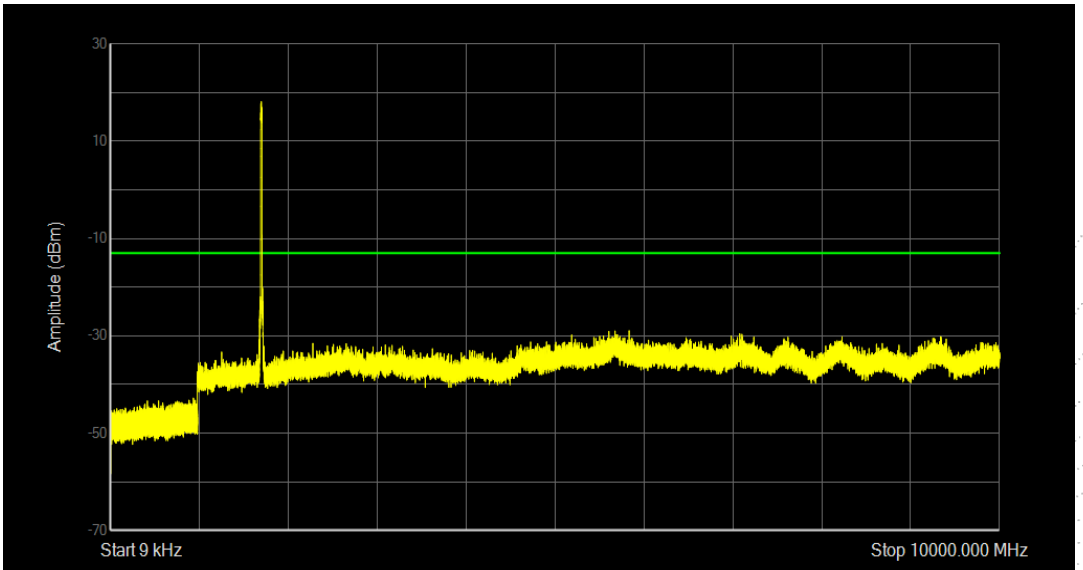
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009680325	-37.98	-13
2	0.15	30	10	0.15	-40.01	-13
3	30	1000	100	793.778	-42.81	-13
4	1000	10000	1000	5650.525	-29.18	-13

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



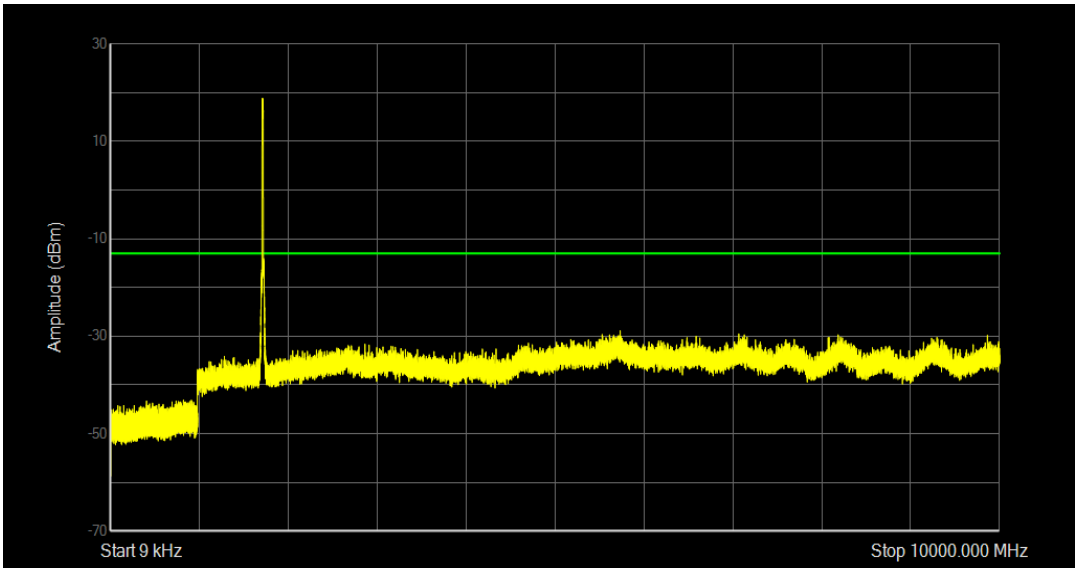
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104241	-39.56	-13
2	0.15	30	10	0.15074625	-41.29	-13
3	30	1000	100	902.515	-42.74	-13
4	1000	10000	1000	5690.35	-28.77	-13

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



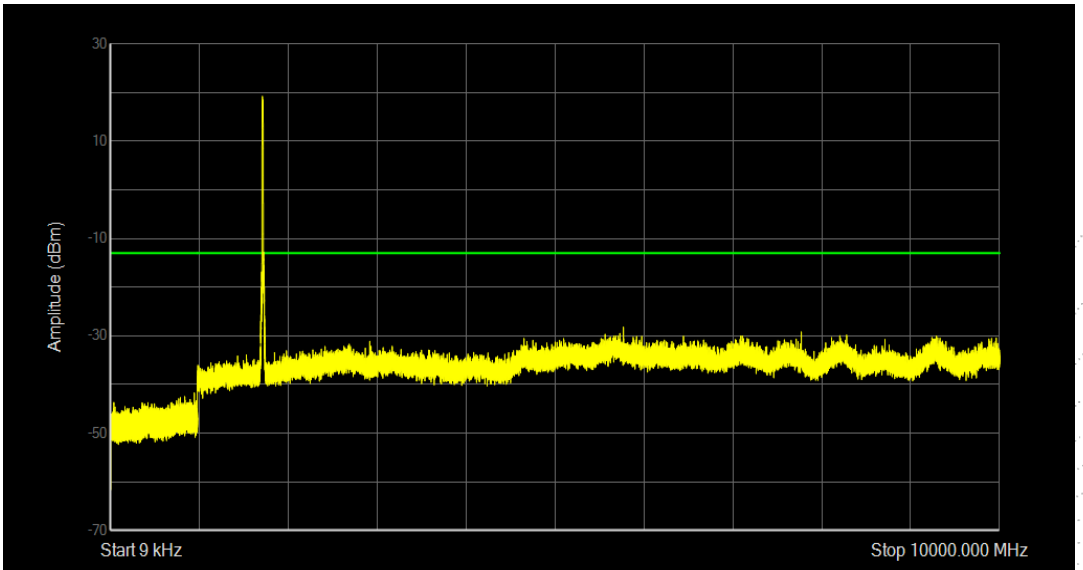
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39	-13
2	0.15	30	10	0.152985	-40.49	-13
3	30	1000	100	955.38	-42.79	-13
4	1000	10000	1000	5844.25	-28.95	-13

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



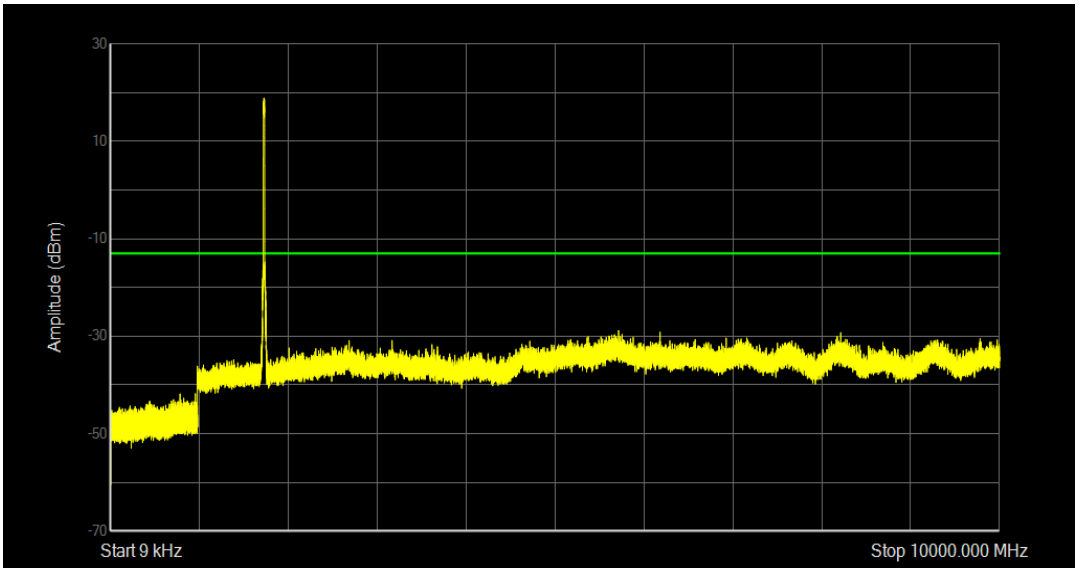
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00961335	-39.06	-13
2	0.15	30	10	0.1544775	-40.59	-13
3	30	1000	100	933.67625	-43.14	-13
4	1000	10000	1000	5743.9	-28.87	-13

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



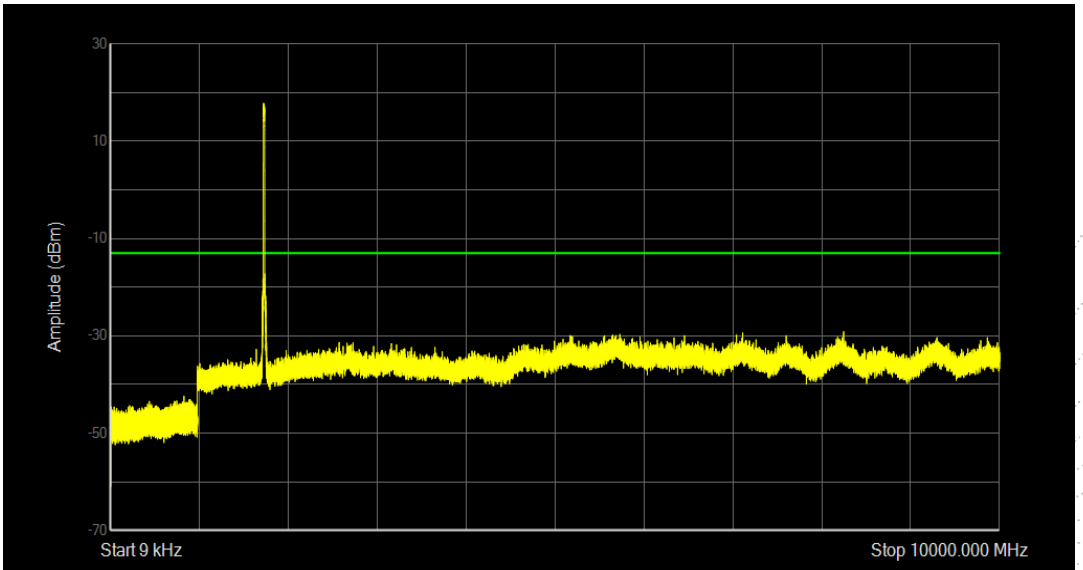
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014453175	-39.35	-13
2	0.15	30	10	0.152985	-38.97	-13
3	30	1000	100	965.92875	-41.74	-13
4	1000	10000	1000	5779.225	-28.21	-13

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



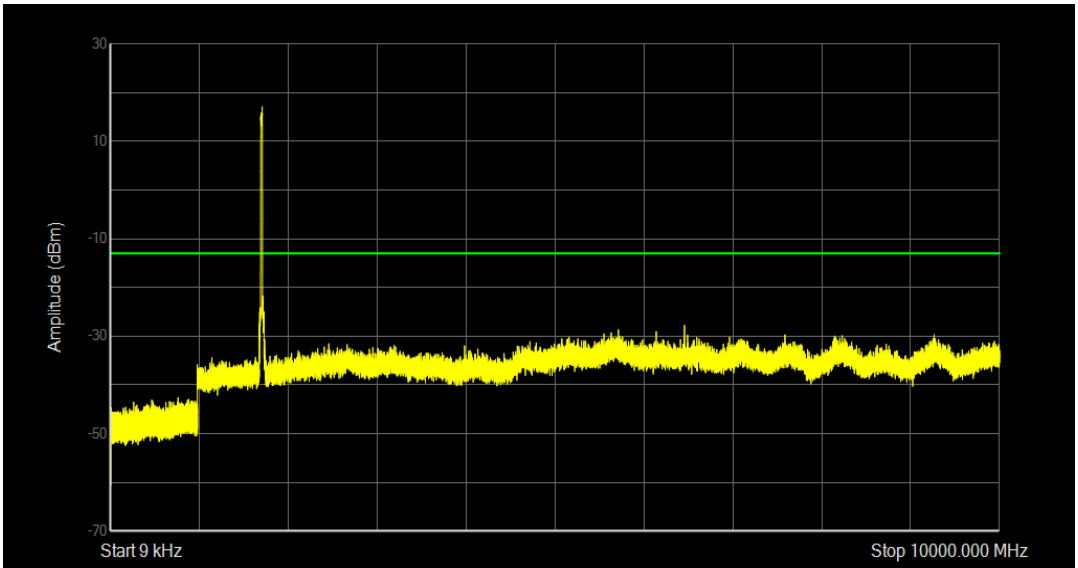
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092256	-38.9	-13
2	0.15	30	10	0.17611875	-41.34	-13
3	30	1000	100	977.2535	-41.8	-13
4	1000	10000	1000	5725.225	-28.85	-13

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



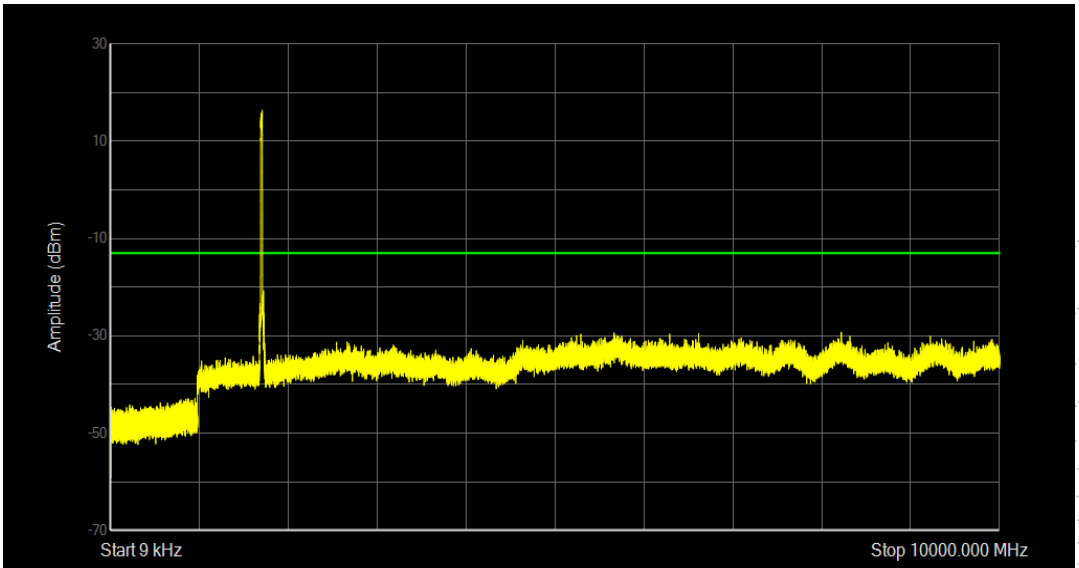
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009193875	-37.34	-13
2	0.15	30	10	0.16417875	-41.22	-13
3	30	1000	100	850.25625	-42.43	-13
4	1000	10000	1000	8250.4	-29.14	-13

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



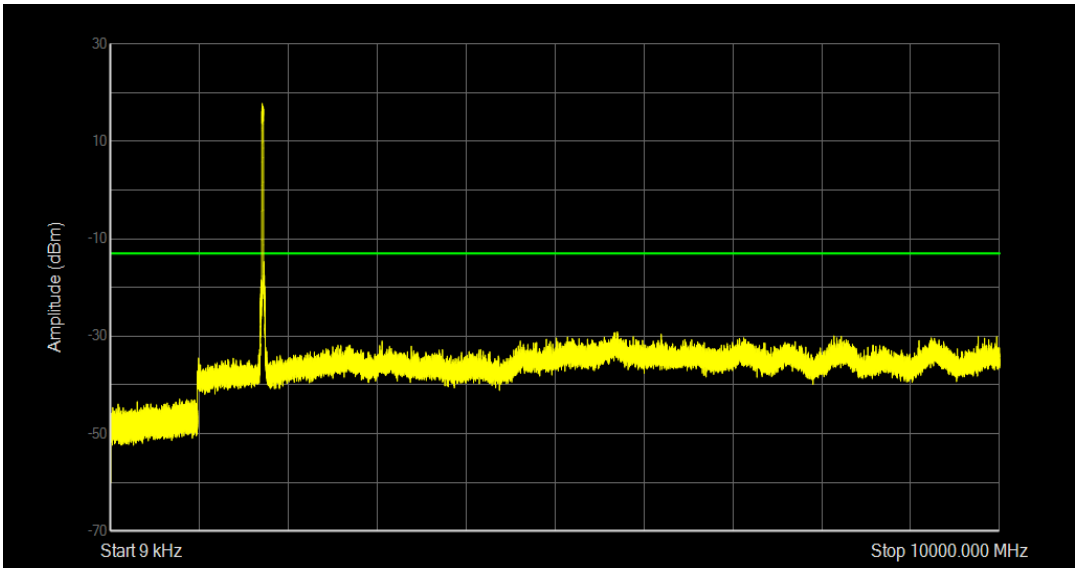
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091692	-40.01	-13
2	0.15	30	10	0.15074625	-39.79	-13
3	30	1000	100	783.8355	-42.61	-13
4	1000	10000	1000	6464.8	-27.77	-13

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



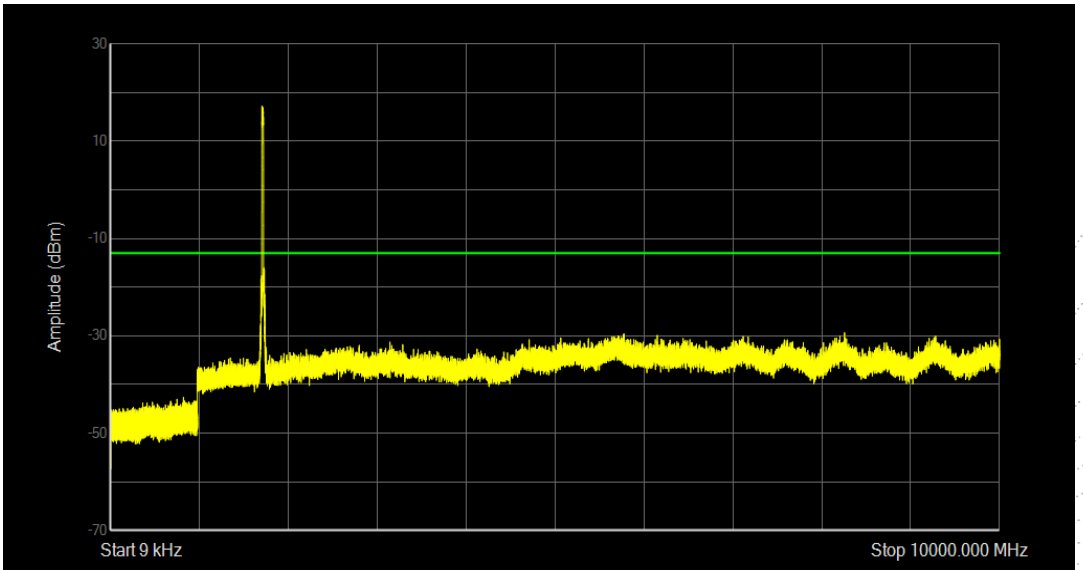
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009426525	-38.64	-13
2	0.15	30	10	0.15820875	-40.41	-13
3	30	1000	100	973.907	-42.83	-13
4	1000	10000	1000	8222.95	-29.26	-13

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



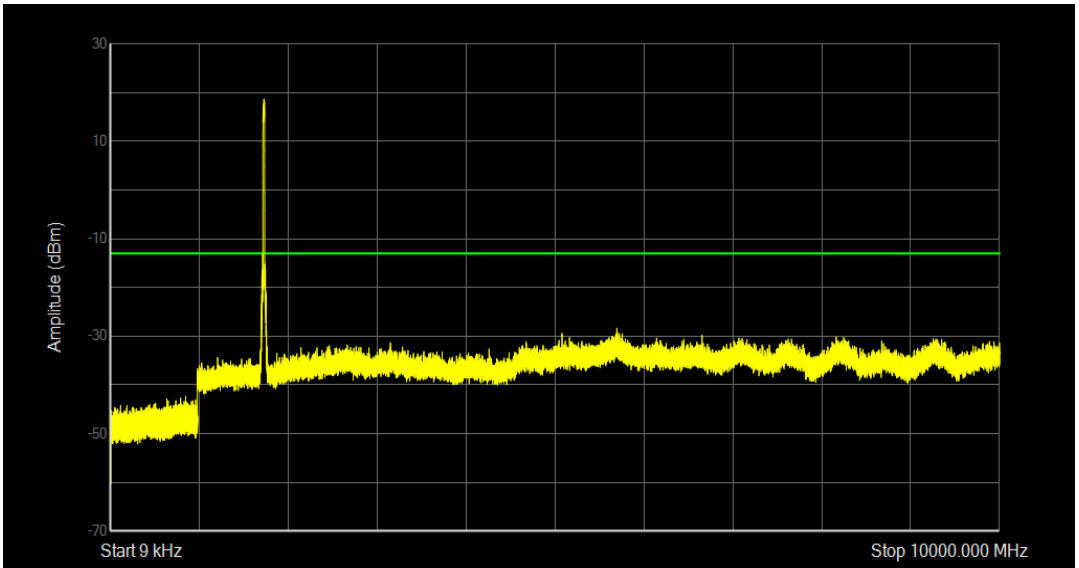
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010646175	-40.54	-13
2	0.15	30	10	0.1544775	-40.19	-13
3	30	1000	100	802.0715	-42.93	-13
4	1000	10000	1000	5712.4	-29.12	-13

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



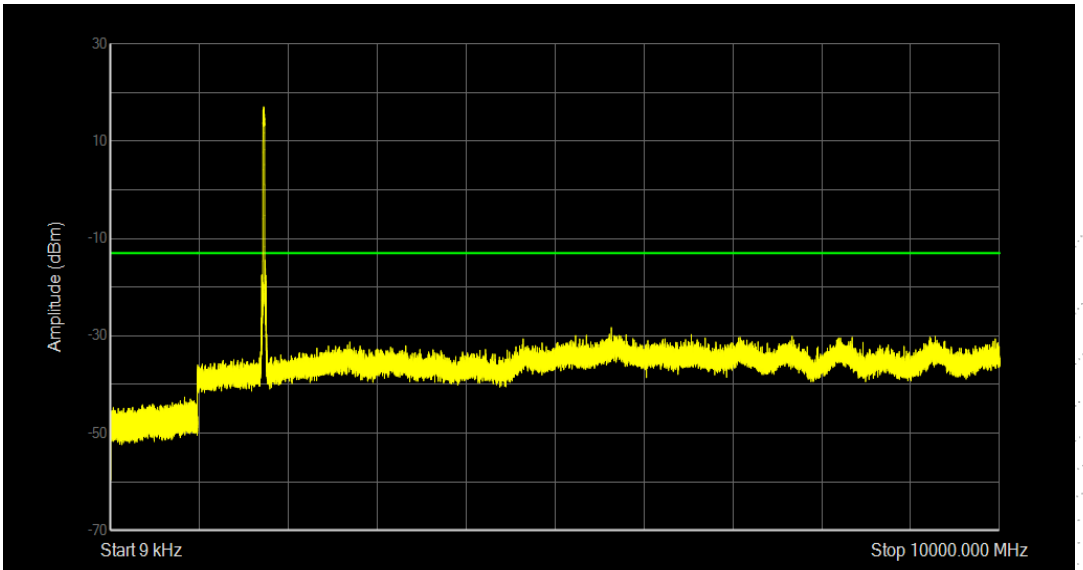
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092961	-38.83	-13
2	0.15	30	10	0.15373125	-39.52	-13
3	30	1000	100	844.67875	-42.65	-13
4	1000	10000	1000	8260.3	-29.35	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009750825	-39.79	-13
2	0.15	30	10	0.15597	-38.64	-13
3	30	1000	100	869.1955	-42.33	-13
4	1000	10000	1000	5706.55	-28.35	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010519275	-39.76	-13
2	0.15	30	10	0.15	-41.08	-13
3	30	1000	100	997.7205	-41.92	-13
4	1000	10000	1000	5644.45	-28.3	-13