Appendix for Band 4

Report No.:	BCTC2312704909-5E
Applicant:	Shenzhen Swage Electronics Co.,Ltd.
Product Name:	Smart watch
Test Model:	D10
Tested Date:	2023-12-04 to 2023-12-18

Shenzhen BCTC Testing Co., Ltd.

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

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.43	0.18	22.61	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.46	0.18	22.64	PASS
Band4	1.4	19957	1	#Max	QPSK	22.46	0.18	22.64	PASS
Band4	1.4	19957	3	#0	QPSK	22.25	0.18	22.43	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.32	0.18	22.50	PASS
Band4	1.4	19957	3	#Max	QPSK	22.29	0.18	22.47	PASS
Band4	1.4	19957	6	#0	QPSK	21.34	0.18	21.52	PASS
Band4	1.4	19957	1	#0	16QAM	22.21	0.18	22.39	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.24	0.18	22.42	PASS
Band4	1.4	19957	1	#Max	16QAM	22.31	0.18	22.49	PASS
Band4	1.4	19957	3	#0	16QAM	21.57	0.18	21.75	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.54	0.18	21.72	PASS
Band4	1.4	19957	3	#Max	16QAM	21.59	0.18	21.77	PASS
Band4	1.4	19957	6	#0	16QAM	20.37	0.18	20.55	PASS
Band4	1.4	20175	1	#0	QPSK	22.43	0.18	22.61	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.49	0.18	22.67	PASS
Band4	1.4	20175	1	#Max	QPSK	22.49	0.18	22.67	PASS
Band4	1.4	20175	3	#0	QPSK	22.58	0.18	22.76	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.66	0.18	22.84	PASS
Band4	1.4	20175	3	#Max	QPSK	22.63	0.18	22.81	PASS
Band4	1.4	20175	6	#0	QPSK	21.56	0.18	21.74	PASS
Band4	1.4	20175	1	#0	16QAM	22.00	0.18	22.18	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.90	0.18	22.08	PASS
Band4	1.4	20175	1	#Max	16QAM	21.92	0.18	22.10	PASS
Band4	1.4	20175	3	#0	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	3	#Max	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	6	#0	16QAM	20.44	0.18	20.62	PASS
Band4	1.4	20393	1	#0	QPSK	22.80	0.18	22.98	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.83	0.18	23.01	PASS
Band4	1.4	20393	1	#Max	QPSK	22.82	0.18	23.00	PASS
Band4	1.4	20393	3	#0	QPSK	22.69	0.18	22.87	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.73	0.18	22.91	PASS
Band4	1.4	20393	3	#Max	QPSK	22.68	0.18	22.86	PASS
Band4	1.4	20393	6	#0	QPSK	21.73	0.18	21.91	PASS
Band4	1.4	20393	1	#0	16QAM	21.97	0.18	22.15	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.93	0.18	22.11	PASS

Band4	1.4	20393	1	#Max	16QAM	22.08	0.18	22.26	PASS
Band4	1.4	20393	3	#0	16QAM	21.88	0.18	22.06	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.93	0.18	22.11	PASS
Band4	1.4	20393	3	#Max	16QAM	21.87	0.18	22.05	PASS
Band4	1.4	20393	6	#0	16QAM	20.84	0.18	21.02	PASS
Band4	3	19965	1	#0	QPSK	22.12	0.18	22.30	PASS
Band4	3	19965	1	#Mid	QPSK	22.24	0.18	22.42	PASS
Band4	3	19965	1	#Max	QPSK	22.22	0.18	22.40	PASS
Band4	3	19965	8	#0	QPSK	21.25	0.18	21.43	PASS
Band4	3	19965	8	#Mid	QPSK	21.32	0.18	21.50	PASS
Band4	3	19965	8	#Max	QPSK	21.31	0.18	21.49	PASS
Band4	3	19965	15	#0	QPSK	21.28	0.18	21.46	PASS
Band4	3	19965	1	#0	16QAM	22.37	0.18	22.55	PASS
Band4	3	19965	1	#Mid	16QAM	22.46	0.18	22.64	PASS
Band4	3	19965	1	#Max	16QAM	22.43	0.18	22.61	PASS
Band4	3	19965	8	#0	16QAM	20.21	0.18	20.39	PASS
Band4	3	19965	8	#Mid	16QAM	20.29	0.18	20.47	PASS
Band4	3	19965	8	#Max	16QAM	20.28	0.18	20.46	PASS
Band4	3	19965	15	#0	16QAM	20.48	0.18	20.66	PASS
Band4	3	20175	1	#0	QPSK	22.49	0.18	22.67	PASS
Band4	3	20175	1	#Mid	QPSK	22.49	0.18	22.67	PASS
Band4	3	20175	1	#Max	QPSK	22.55	0.18	22.73	PASS
Band4	3	20175	8	#0	QPSK	21.55	0.18	21.73	PASS
Band4	3	20175	8	#Mid	QPSK	21.52	0.18	21.70	PASS
Band4	3	20175	8	#Max	QPSK	21.43	0.18	21.61	PASS
Band4	3	20175	15	#0	QPSK	21.50	0.18	21.68	PASS
Band4	3	20175	1	#0	16QAM	21.95	0.18	22.13	PASS
Band4	3	20175	1	#Mid	16QAM	21.95	0.18	22.13	PASS
Band4	3	20175	1	#Max	16QAM	21.98	0.18	22.16	PASS
Band4	3	20175	8	#0	16QAM	20.90	0.18	21.08	PASS
Band4	3	20175	8	#Mid	16QAM	20.73	0.18	20.91	PASS
Band4	3	20175	8	#Max	16QAM	20.61	0.18	20.79	PASS
Band4	3	20175	15	#0	16QAM	20.49	0.18	20.67	PASS
Band4	3	20385	1	#0	QPSK	22.82	0.18	23.00	PASS
Band4	3	20385	1	#Mid	QPSK	22.84	0.18	23.02	PASS
Band4	3	20385	1	#Max	QPSK	22.85	0.18	23.03	PASS
Band4	3	20385	8	#0	QPSK	21.61	0.18	21.79	PASS
Band4	3	20385	8	#Mid	QPSK	21.64	0.18	21.82	PASS
Band4	3	20385	8	#Max	QPSK	21.59	0.18	21.77	PASS
Band4	3	20385	15	#0	QPSK	21.62	0.18	21.80	PASS
Band4	3	20385	1	#0	16QAM	21.89	0.18	22.07	PASS
Band4	3	20385	1	#Mid	16QAM	22.02	0.18	22.20	PASS

Band4	3	20385	1	#Max	16QAM	22.02	0.18	22.20	PASS
Band4	3	20385	8	#0	16QAM	20.67	0.18	20.85	PASS
Band4	3	20385	8	#Mid	16QAM	20.77	0.18	20.95	PASS
Band4	3	20385	8	#Max	16QAM	20.75	0.18	20.93	PASS
Band4	3	20385	15	#0	16QAM	20.67	0.18	20.85	PASS
Band4	5	19975	1	#0	QPSK	22.14	0.18	22.32	PASS
Band4	5	19975	1	#Mid	QPSK	22.21	0.18	22.39	PASS
Band4	5	19975	1	#Max	QPSK	22.29	0.18	22.47	PASS
Band4	5	19975	12	#0	QPSK	21.24	0.18	21.42	PASS
Band4	5	19975	12	#Mid	QPSK	21.28	0.18	21.46	PASS
Band4	5	19975	12	#Max	QPSK	21.20	0.18	21.38	PASS
Band4	5	19975	25	#0	QPSK	21.28	0.18	21.46	PASS
Band4	5	19975	1	#0	16QAM	21.28	0.18	21.46	PASS
Band4	5	19975	1	#Mid	16QAM	21.30	0.18	21.48	PASS
Band4	5	19975	1	#Max	16QAM	21.39	0.18	21.57	PASS
Band4	5	19975	12	#0	16QAM	20.36	0.18	20.54	PASS
Band4	5	19975	12	#Mid	16QAM	20.33	0.18	20.51	PASS
Band4	5	19975	12	#Max	16QAM	20.35	0.18	20.53	PASS
Band4	5	19975	25	#0	16QAM	20.33	0.18	20.51	PASS
Band4	5	20175	1	#0	QPSK	22.45	0.18	22.63	PASS
Band4	5	20175	1	#Mid	QPSK	22.45	0.18	22.63	PASS
Band4	5	20175	1	#Max	QPSK	22.40	0.18	22.58	PASS
Band4	5	20175	12	#0	QPSK	21.54	0.18	21.72	PASS
Band4	5	20175	12	#Mid	QPSK	21.46	0.18	21.64	PASS
Band4	5	20175	12	#Max	QPSK	21.41	0.18	21.59	PASS
Band4	5	20175	25	#0	QPSK	21.48	0.18	21.66	PASS
Band4	5	20175	1	#0	16QAM	21.61	0.18	21.79	PASS
Band4	5	20175	1	#Mid	16QAM	21.57	0.18	21.75	PASS
Band4	5	20175	1	#Max	16QAM	21.59	0.18	21.77	PASS
Band4	5	20175	12	#0	16QAM	20.51	0.18	20.69	PASS
Band4	5	20175	12	#Mid	16QAM	20.31	0.18	20.49	PASS
Band4	5	20175	12	#Max	16QAM	20.26	0.18	20.44	PASS
Band4	5	20175	25	#0	16QAM	20.52	0.18	20.70	PASS
Band4	5	20375	1	#0	QPSK	22.57	0.18	22.75	PASS
Band4	5	20375	1	#Mid	QPSK	22.56	0.18	22.74	PASS
Band4	5	20375	1	#Max	QPSK	22.56	0.18	22.74	PASS
Band4	5	20375	12	#0	QPSK	21.54	0.18	21.72	PASS
Band4	5	20375	12	#Mid	QPSK	21.50	0.18	21.68	PASS
Band4	5	20375	12	#Max	QPSK	21.64	0.18	21.82	PASS
Band4	5	20375	25	#0	QPSK	21.67	0.18	21.85	PASS
Band4	5	20375	1	#0	16QAM	21.27	0.18	21.45	PASS
Band4	5	20375	1	#Mid	16QAM	21.36	0.18	21.54	PASS

Band4	5	20375	1	#Max	16QAM	21.34	0.18	21.52	PASS
Band4	5	20375	12	#0	16QAM	20.31	0.18	20.49	PASS
Band4	5	20375	12	#Mid	16QAM	20.53	0.18	20.71	PASS
Band4	5	20375	12	#Max	16QAM	20.49	0.18	20.67	PASS
Band4	5	20375	25	#0	16QAM	20.72	0.18	20.90	PASS
Band4	10	20000	1	#0	QPSK	22.16	0.18	22.34	PASS
Band4	10	20000	1	#Mid	QPSK	22.34	0.18	22.52	PASS
Band4	10	20000	1	#Max	QPSK	22.39	0.18	22.57	PASS
Band4	10	20000	25	#0	QPSK	21.36	0.18	21.54	PASS
Band4	10	20000	25	#Mid	QPSK	21.32	0.18	21.50	PASS
Band4	10	20000	25	#Max	QPSK	21.44	0.18	21.62	PASS
Band4	10	20000	50	#0	QPSK	21.43	0.18	21.61	PASS
Band4	10	20000	1	#0	16QAM	22.38	0.18	22.56	PASS
Band4	10	20000	1	#Mid	16QAM	22.51	0.18	22.69	PASS
Band4	10	20000	1	#Max	16QAM	22.62	0.18	22.80	PASS
Band4	10	20000	25	#0	16QAM	20.31	0.18	20.49	PASS
Band4	10	20000	25	#Mid	16QAM	20.35	0.18	20.53	PASS
Band4	10	20000	25	#Max	16QAM	20.15	0.18	20.33	PASS
Band4	10	20000	50	#0	16QAM	20.38	0.18	20.56	PASS
Band4	10	20175	1	#0	QPSK	22.60	0.18	22.78	PASS
Band4	10	20175	1	#Mid	QPSK	22.51	0.18	22.69	PASS
Band4	10	20175	1	#Max	QPSK	22.43	0.18	22.61	PASS
Band4	10	20175	25	#0	QPSK	21.57	0.18	21.75	PASS
Band4	10	20175	25	#Mid	QPSK	21.57	0.18	21.75	PASS
Band4	10	20175	25	#Max	QPSK	21.44	0.18	21.62	PASS
Band4	10	20175	50	#0	QPSK	21.56	0.18	21.74	PASS
Band4	10	20175	1	#0	16QAM	21.62	0.18	21.80	PASS
Band4	10	20175	1	#Mid	16QAM	21.62	0.18	21.80	PASS
Band4	10	20175	1	#Max	16QAM	21.60	0.18	21.78	PASS
Band4	10	20175	25	#0	16QAM	20.65	0.18	20.83	PASS
Band4	10	20175	25	#Mid	16QAM	20.46	0.18	20.64	PASS
Band4	10	20175	25	#Max	16QAM	20.60	0.18	20.78	PASS
Band4	10	20175	50	#0	16QAM	20.38	0.18	20.56	PASS
Band4	10	20350	1	#0	QPSK	22.55	0.18	22.73	PASS
Band4	10	20350	1	#Mid	QPSK	22.54	0.18	22.72	PASS
Band4	10	20350	1	#Max	QPSK	22.72	0.18	22.90	PASS
Band4	10	20350	25	#0	QPSK	21.53	0.18	21.71	PASS
Band4	10	20350	25	#Mid	QPSK	21.57	0.18	21.75	PASS
Band4	10	20350	25	#Max	QPSK	21.54	0.18	21.72	PASS
Band4	10	20350	50	#0	QPSK	21.14	0.18	21.32	PASS
Band4	10	20350	1	#0	16QAM	22.49	0.18	22.67	PASS
Band4	10	20350	1	#Mid	16QAM	22.47	0.18	22.65	PASS

Band4	10	20350	1	#Max	16QAM	22.55	0.18	22.73	PASS
Band4	10	20350	25	#0	16QAM	20.39	0.18	20.57	PASS
Band4	10	20350	25	#Mid	16QAM	20.37	0.18	20.55	PASS
Band4	10	20350	25	#Max	16QAM	20.28	0.18	20.46	PASS
Band4	10	20350	50	#0	16QAM	20.16	0.18	20.34	PASS
Band4	15	20025	1	#0	QPSK	22.29	0.18	22.47	PASS
Band4	15	20025	1	#Mid	QPSK	22.46	0.18	22.64	PASS
Band4	15	20025	1	#Max	QPSK	22.61	0.18	22.79	PASS
Band4	15	20025	36	#0	QPSK	21.28	0.18	21.46	PASS
Band4	15	20025	36	#Mid	QPSK	21.41	0.18	21.59	PASS
Band4	15	20025	36	#Max	QPSK	21.52	0.18	21.70	PASS
Band4	15	20025	75	#0	QPSK	21.41	0.18	21.59	PASS
Band4	15	20025	1	#0	16QAM	21.89	0.18	22.07	PASS
Band4	15	20025	1	#Mid	16QAM	22.08	0.18	22.26	PASS
Band4	15	20025	1	#Max	16QAM	22.20	0.18	22.38	PASS
Band4	15	20025	36	#0	16QAM	20.56	0.18	20.74	PASS
Band4	15	20025	36	#Mid	16QAM	20.39	0.18	20.57	PASS
Band4	15	20025	36	#Max	16QAM	20.44	0.18	20.62	PASS
Band4	15	20025	75	#0	16QAM	20.27	0.18	20.45	PASS
Band4	15	20175	1	#0	QPSK	22.45	0.18	22.63	PASS
Band4	15	20175	1	#Mid	QPSK	22.43	0.18	22.61	PASS
Band4	15	20175	1	#Max	QPSK	22.34	0.18	22.52	PASS
Band4	15	20175	36	#0	QPSK	21.51	0.18	21.69	PASS
Band4	15	20175	36	#Mid	QPSK	21.59	0.18	21.77	PASS
Band4	15	20175	36	#Max	QPSK	21.56	0.18	21.74	PASS
Band4	15	20175	75	#0	QPSK	21.54	0.18	21.72	PASS
Band4	15	20175	1	#0	16QAM	22.31	0.18	22.49	PASS
Band4	15	20175	1	#Mid	16QAM	22.35	0.18	22.53	PASS
Band4	15	20175	1	#Max	16QAM	22.31	0.18	22.49	PASS
Band4	15	20175	36	#0	16QAM	20.59	0.18	20.77	PASS
Band4	15	20175	36	#Mid	16QAM	20.41	0.18	20.59	PASS
Band4	15	20175	36	#Max	16QAM	20.36	0.18	20.54	PASS
Band4	15	20175	75	#0	16QAM	20.48	0.18	20.66	PASS
Band4	15	20325	1	#0	QPSK	22.40	0.18	22.58	PASS
Band4	15	20325	1	#Mid	QPSK	22.37	0.18	22.55	PASS
Band4	15	20325	1	#Max	QPSK	22.55	0.18	22.73	PASS
Band4	15	20325	36	#0	QPSK	21.43	0.18	21.61	PASS
Band4	15	20325	36	#Mid	QPSK	21.54	0.18	21.72	PASS
Band4	15	20325	36	#Max	QPSK	21.41	0.18	21.59	PASS
Band4	15	20325	75	#0	QPSK	21.42	0.18	21.60	PASS
Band4	15	20325	1	#0	16QAM	21.90	0.18	22.08	PASS
Band4	15	20325	1	#Mid	16QAM	21.94	0.18	22.12	PASS

Band4	15	20325	1	#Max	16QAM	22.01	0.18	22.19	PASS
Band4	15	20325	36	#0	16QAM	20.64	0.18	20.82	PASS
Band4	15	20325	36	#Mid	16QAM	20.66	0.18	20.84	PASS
Band4	15	20325	36	#Max	16QAM	20.54	0.18	20.72	PASS
Band4	15	20325	75	#0	16QAM	20.49	0.18	20.67	PASS
Band4	20	20050	1	#0	QPSK	22.29	0.18	22.47	PASS
Band4	20	20050	1	#Mid	QPSK	22.52	0.18	22.70	PASS
Band4	20	20050	1	#Max	QPSK	22.62	0.18	22.80	PASS
Band4	20	20050	50	#0	QPSK	21.36	0.18	21.54	PASS
Band4	20	20050	50	#Mid	QPSK	21.54	0.18	21.72	PASS
Band4	20	20050	50	#Max	QPSK	21.52	0.18	21.70	PASS
Band4	20	20050	100	#0	QPSK	21.38	0.18	21.56	PASS
Band4	20	20050	1	#0	16QAM	20.97	0.18	21.15	PASS
Band4	20	20050	1	#Mid	16QAM	21.21	0.18	21.39	PASS
Band4	20	20050	1	#Max	16QAM	21.23	0.18	21.41	PASS
Band4	20	20050	50	#0	16QAM	20.58	0.18	20.76	PASS
Band4	20	20050	50	#Mid	16QAM	20.46	0.18	20.64	PASS
Band4	20	20050	50	#Max	16QAM	20.68	0.18	20.86	PASS
Band4	20	20050	100	#0	16QAM	20.30	0.18	20.48	PASS
Band4	20	20175	1	#0	QPSK	22.69	0.18	22.87	PASS
Band4	20	20175	1	#Mid	QPSK	22.72	0.18	22.90	PASS
Band4	20	20175	1	#Max	QPSK	22.62	0.18	22.80	PASS
Band4	20	20175	50	#0	QPSK	21.64	0.18	21.82	PASS
Band4	20	20175	50	#Mid	QPSK	21.46	0.18	21.64	PASS
Band4	20	20175	50	#Max	QPSK	21.38	0.18	21.56	PASS
Band4	20	20175	100	#0	QPSK	21.55	0.18	21.73	PASS
Band4	20	20175	1	#0	16QAM	21.44	0.18	21.62	PASS
Band4	20	20175	1	#Mid	16QAM	21.38	0.18	21.56	PASS
Band4	20	20175	1	#Max	16QAM	0.00	0.18	0.18	PASS
Band4	20	20175	50	#0	16QAM	0.00	0.18	0.18	PASS
Band4	20	20175	50	#Mid	16QAM	20.42	0.18	20.60	PASS
Band4	20	20175	50	#Max	16QAM	20.42	0.18	20.60	PASS
Band4	20	20175	100	#0	16QAM	20.35	0.18	20.53	PASS
Band4	20	20300	1	#0	QPSK	22.67	0.18	22.85	PASS
Band4	20	20300	1	#Mid	QPSK	22.54	0.18	22.72	PASS
Band4	20	20300	1	#Max	QPSK	22.71	0.18	22.89	PASS
Band4	20	20300	50	#0	QPSK	21.55	0.18	21.73	PASS
Band4	20	20300	50	#Mid	QPSK	21.49	0.18	21.67	PASS
Band4	20	20300	50	#Max	QPSK	21.53	0.18	21.71	PASS
Band4	20	20300	100	#0	QPSK	21.45	0.18	21.63	PASS
Band4	20	20300	1	#0	16QAM	21.64	0.18	21.82	PASS
Band4	20	20300	1	#Mid	16QAM	21.52	0.18	21.70	PASS

Band4	20	20300	1	#Max	16QAM	21.62	0.18	21.80	PASS
Band4	20	20300	50	#0	16QAM	20.53	0.18	20.71	PASS
Band4	20	20300	50	#Mid	16QAM	20.53	0.18	20.71	PASS
Band4	20	20300	50	#Max	16QAM	20.57	0.18	20.75	PASS
Band4	20	20300	100	#0	16QAM	20.62	0.18	20.80	PASS

Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-43.69	-0.026	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-23.10	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-35.72	-0.021	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-49.17	-0.029	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-19.30	-0.011	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-29.15	-0.017	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-17.17	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-27.87	-0.016	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-34.83	-0.020	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-39.87	-0.023	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-23.56	-0.014	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-24.66	-0.014	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-28.92	-0.016	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-32.72	-0.019	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-38.07	-0.022	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	2.92	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-2.17	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-3.88	-0.002	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-42.94	-0.025	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-46.05	-0.027	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-4.38	-0.003	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-3.06	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-4.36	-0.003	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-5.79	-0.003	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-7.93	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-15.36	-0.009	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-12.40	-0.007	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-12.02	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-10.51	-0.006	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-9.04	-0.005	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-19.07	-0.011	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-17.29	-0.010	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-19.74	-0.011	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-14.48	-0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-7.38	-0.004	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-7.67	-0.004	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	5.55	0.003	PASS

Band4	5	19975	25	#0	QPSK	NV	NT	6.47	0.004	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	11.26	0.007	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	9.13	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	13.02	0.008	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	15.78	0.009	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-11.52	-0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-13.76	-0.008	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-13.88	-0.008	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-7.78	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-2.79	-0.002	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	1.67	0.001	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-2.86	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	0.00	0.000	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	5.39	0.003	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	10.04	0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	16.55	0.009	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	19.88	0.011	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-4.86	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-10.57	-0.006	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-12.67	-0.007	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-11.62	-0.007	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-8.25	-0.005	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-1.69	-0.001	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	5.98	0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	5.22	0.003	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	7.74	0.004	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	16.57	0.010	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	25.49	0.015	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	31.37	0.018	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-4.76	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-2.16	-0.001	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	2.25	0.001	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	13.49	0.008	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	20.17	0.012	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	27.22	0.016	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-23.82	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-27.58	-0.016	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-27.97	-0.016	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-20.69	-0.012	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-11.57	-0.007	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-9.61	-0.006	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	10.91	0.006	PASS

Band4	15	20175	75	#0	QPSK	NV	NT	14.71	0.008	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	19.86	0.011	PASS
Band4	15	20175	75	#0	16QAM	LV	NT	30.04	0.017	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	6.67	0.004	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	14.89	0.009	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-8.55	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	0.31	0.000	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	12.40	0.007	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	29.05	0.017	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	-11.33	-0.006	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	-4.76	-0.003	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-30.01	-0.017	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-39.97	-0.023	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-37.61	-0.022	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-30.68	-0.018	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	-17.40	-0.010	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-13.53	-0.008	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-27.95	-0.016	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-30.60	-0.018	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-17.55	-0.010	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-3.08	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	11.83	0.007	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	16.91	0.010	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-0.47	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	4.52	0.003	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	13.85	0.008	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	29.60	0.017	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	41.17	0.024	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	0.84	0.000	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	NV	-30	-30.17	-0.018	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-33.67	-0.020	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-26.69	-0.016	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-42.90	-0.025	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	1.83	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-9.04	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-24.23	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-34.36	-0.020	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-13.98	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-35.08	-0.021	PASS

Band4	1.4	19957	6	#0	16QAM	NV	-20	-11.39	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-23.59	-0.014	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-17.42	-0.010	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-8.07	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-11.80	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-23.88	-0.014	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-33.06	-0.019	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-4.23	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-23.13	-0.013	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-29.10	-0.017	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-36.28	-0.021	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-6.37	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-13.23	-0.008	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-17.02	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-19.50	-0.011	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-24.33	-0.014	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-29.71	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	-28.90	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-27.09	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-27.41	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-25.71	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-26.02	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-25.23	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-28.78	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	-27.25	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-27.07	-0.016	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-4.21	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-6.82	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-7.97	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-4.94	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-7.51	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-5.24	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-3.28	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-1.33	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	3.23	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	8.07	0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	12.30	0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	14.75	0.008	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	18.24	0.010	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	21.99	0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	24.32	0.014	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	27.39	0.016	PASS

Band4	1.4	20393	6	#0	16QAM	NV	40	27.62	0.016	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	28.92	0.016	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-12.33	-0.007	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-13.06	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	-13.43	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-15.11	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-13.46	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-14.78	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-15.21	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-16.28	-0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-13.23	-0.008	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-7.31	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	-2.07	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	6.45	0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	0	14.79	0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	10	19.33	0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	20	20.36	0.012	PASS
Band4	3	19965	15	#0	16QAM	NV	30	24.20	0.014	PASS
Band4	3	19965	15	#0	16QAM	NV	40	27.24	0.016	PASS
Band4	3	19965	15	#0	16QAM	NV	50	30.77	0.018	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-9.61	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-8.25	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-5.28	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-1.73	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	10	2.69	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	20	7.41	0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	30	12.66	0.007	PASS
Band4	3	20175	15	#0	QPSK	NV	40	17.41	0.010	PASS
Band4	3	20175	15	#0	QPSK	NV	50	23.85	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	35.91	0.021	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	44.46	0.026	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	13.12	0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	0	19.28	0.011	PASS
Band4	3	20175	15	#0	16QAM	NV	10	22.63	0.013	PASS
Band4	3	20175	15	#0	16QAM	NV	20	24.86	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	30	27.49	0.016	PASS
Band4	3	20175	15	#0	16QAM	NV	40	31.59	0.018	PASS
Band4	3	20175	15	#0	16QAM	NV	50	34.60	0.020	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-0.04	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-0.93	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	1.09	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	0	9.63	0.005	PASS

Band4	3	20385	15	#0	QPSK	NV	10	20.26	0.012	PASS
Band4	3	20385	15	#0	QPSK	NV	20	22.97	0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	30	28.65	0.016	PASS
Band4	3	20385	15	#0	QPSK	NV	40	35.68	0.020	PASS
Band4	3	20385	15	#0	QPSK	NV	50	2.35	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	14.48	0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	26.18	0.015	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	-6.29	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-6.71	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-4.25	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	20	0.06	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	30	4.19	0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	40	10.39	0.006	PASS
Band4	3	20385	15	#0	16QAM	NV	50	14.58	0.008	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-34.40	-0.020	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-30.00	-0.018	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-29.55	-0.017	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-26.44	-0.015	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-20.46	-0.012	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-15.03	-0.009	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-10.84	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-0.20	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	50	11.23	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	22.39	0.013	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	27.59	0.016	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	34.86	0.020	PASS
Band4	5	19975	25	#0	16QAM	NV	0	39.47	0.023	PASS
Band4	5	19975	25	#0	16QAM	NV	10	11.73	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	20	18.83	0.011	PASS
Band4	5	19975	25	#0	16QAM	NV	30	22.06	0.013	PASS
Band4	5	19975	25	#0	16QAM	NV	40	32.23	0.019	PASS
Band4	5	19975	25	#0	16QAM	NV	50	37.48	0.022	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-9.06	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-2.42	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	2.42	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	0	12.35	0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	10	23.69	0.014	PASS
Band4	5	20175	25	#0	QPSK	NV	20	33.20	0.019	PASS
Band4	5	20175	25	#0	QPSK	NV	30	19.83	0.011	PASS
Band4	5	20175	25	#0	QPSK	NV	40	32.44	0.019	PASS
Band4	5	20175	25	#0	QPSK	NV	50	38.85	0.022	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	17.65	0.010	PASS

Band4	5	20175	25	#0	16QAM	NV	-20	30.37	0.018	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	39.41	0.023	PASS
Band4	5	20175	25	#0	16QAM	NV	0	10.80	0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	10	21.79	0.013	PASS
Band4	5	20175	25	#0	16QAM	NV	20	28.12	0.016	PASS
Band4	5	20175	25	#0	16QAM	NV	30	38.50	0.022	PASS
Band4	5	20175	25	#0	16QAM	NV	40	27.28	0.016	PASS
Band4	5	20175	25	#0	16QAM	NV	50	18.02	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	0.44	0.000	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	8.43	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	17.84	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	0	29.01	0.017	PASS
Band4	5	20375	25	#0	QPSK	NV	10	34.30	0.020	PASS
Band4	5	20375	25	#0	QPSK	NV	20	8.44	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	30	18.22	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	40	28.52	0.016	PASS
Band4	5	20375	25	#0	QPSK	NV	50	39.73	0.023	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	15.65	0.009	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	23.00	0.013	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	31.94	0.018	PASS
Band4	5	20375	25	#0	16QAM	NV	0	35.75	0.020	PASS
Band4	5	20375	25	#0	16QAM	NV	10	39.00	0.022	PASS
Band4	5	20375	25	#0	16QAM	NV	20	42.21	0.024	PASS
Band4	5	20375	25	#0	16QAM	NV	30	44.27	0.025	PASS
Band4	5	20375	25	#0	16QAM	NV	40	44.40	0.025	PASS
Band4	5	20375	25	#0	16QAM	NV	50	31.66	0.018	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-24.63	-0.014	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-35.63	-0.021	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-15.21	-0.009	PASS
Band4	10	20000	50	#0	QPSK	NV	0	8.93	0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	10	11.69	0.007	PASS
Band4	10	20000	50	#0	QPSK	NV	20	16.98	0.010	PASS
Band4	10	20000	50	#0	QPSK	NV	30	24.65	0.014	PASS
Band4	10	20000	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	50	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	0	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	10	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	20	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	30	0.00	0.000	PASS

Band4	10	20000	50	#0	16QAM	NV	40	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	50	0.00	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-29.60	-0.017	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-36.44	-0.021	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-31.77	-0.018	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-20.31	-0.012	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-7.24	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	20	8.23	0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	30	27.09	0.016	PASS
Band4	10	20175	50	#0	QPSK	NV	40	15.05	0.009	PASS
Band4	10	20175	50	#0	QPSK	NV	50	13.78	0.008	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-32.70	-0.019	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-34.49	-0.020	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-28.88	-0.017	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-20.74	-0.012	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-12.60	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-1.57	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	30	9.57	0.005	PASS
Band4	10	20350	50	#0	QPSK	NV	40	23.79	0.014	PASS
Band4	10	20350	50	#0	QPSK	NV	50	33.96	0.019	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	2.43	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	24.03	0.014	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	15.68	0.009	PASS
Band4	10	20350	50	#0	16QAM	NV	0	19.24	0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	10	33.66	0.019	PASS
Band4	10	20350	50	#0	16QAM	NV	20	20.60	0.012	PASS
Band4	10	20350	50	#0	16QAM	NV	30	26.19	0.015	PASS
Band4	10	20350	50	#0	16QAM	NV	40	6.61	0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	50	14.16	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-28.38	-0.017	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-27.22	-0.016	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-18.08	-0.011	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-1.70	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	10	14.38	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	20	30.40	0.018	PASS
Band4	15	20025	75	#0	QPSK	NV	30	13.72	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	40	31.01	0.018	PASS
Band4	15	20025	75	#0	QPSK	NV	50	13.25	0.008	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	33.26	0.019	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	21.59	0.013	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	9.37	0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	0	23.86	0.014	PASS

Band4	15	20025	75	#0	16QAM	NV	10	1.67	0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	20	12.06	0.007	PASS
Band4	15	20025	75	#0	16QAM	NV	30	21.70	0.013	PASS
Band4	15	20025	75	#0	16QAM	NV	40	8.85	0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	50	8.88	0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-0.96	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	13.60	0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	33.16	0.019	PASS
Band4	15	20175	75	#0	QPSK	NV	0	18.65	0.011	PASS
Band4	15	20175	75	#0	QPSK	NV	10	24.81	0.014	PASS
Band4	15	20175	75	#0	QPSK	NV	20	6.55	0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	30	22.82	0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	40	10.61	0.006	PASS
Band4	15	20175	75	#0	QPSK	NV	50	19.64	0.011	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	2.78	0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	7.08	0.004	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	17.41	0.010	PASS
Band4	15	20175	75	#0	16QAM	NV	0	24.25	0.014	PASS
Band4	15	20175	75	#0	16QAM	NV	10	23.76	0.014	PASS
Band4	15	20175	75	#0	16QAM	NV	20	27.25	0.016	PASS
Band4	15	20175	75	#0	16QAM	NV	30	25.52	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	40	8.13	0.005	PASS
Band4	15	20175	75	#0	16QAM	NV	50	21.19	0.012	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	10.06	0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	24.59	0.014	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-0.09	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	0	7.28	0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	10	31.30	0.018	PASS
Band4	15	20325	75	#0	QPSK	NV	20	19.58	0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	30	33.77	0.019	PASS
Band4	15	20325	75	#0	QPSK	NV	40	29.05	0.017	PASS
Band4	15	20325	75	#0	QPSK	NV	50	15.65	0.009	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	20.86	0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-1.12	-0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	3.19	0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	0	3.16	0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	10	6.34	0.004	PASS
Band4	15	20325	75	#0	16QAM	NV	20	15.82	0.009	PASS
Band4	15	20325	75	#0	16QAM	NV	30	20.48	0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	40	22.54	0.013	PASS
Band4	15	20325	75	#0	16QAM	NV	50	25.15	0.014	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-6.29	-0.004	PASS

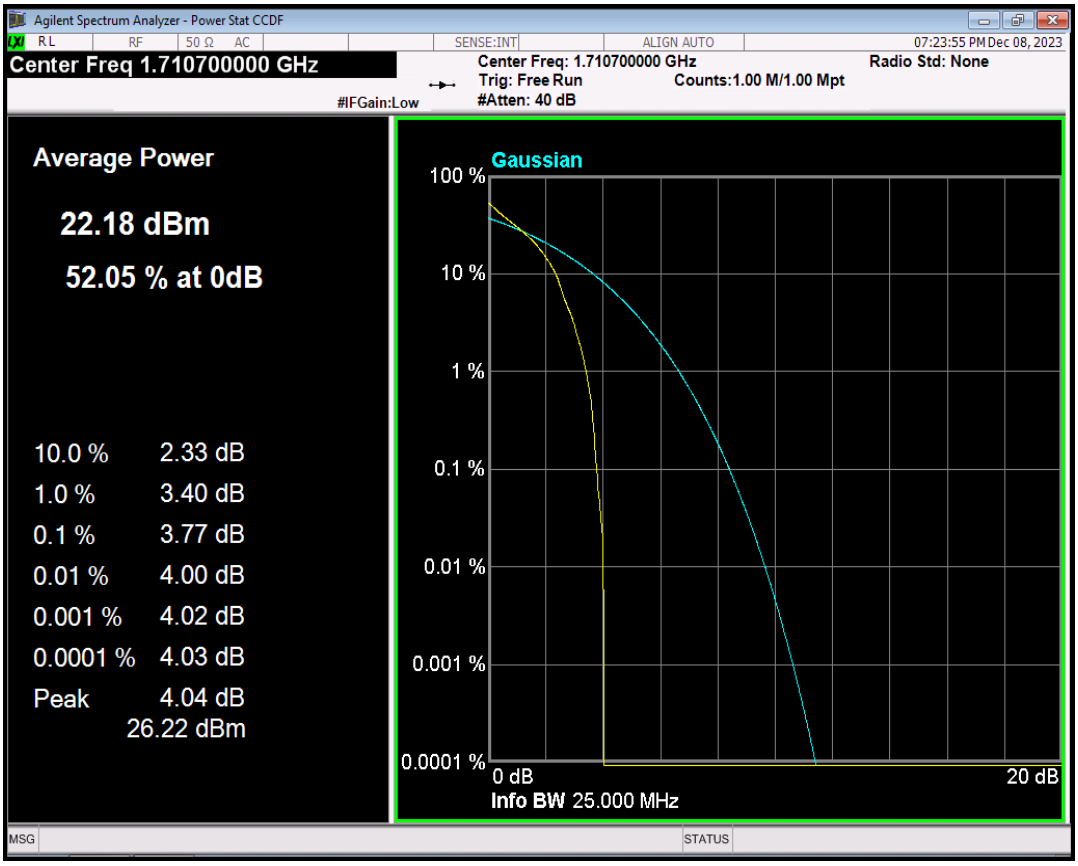
Band4	20	20050	100	#0	QPSK	NV	-20	-15.75	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-18.93	-0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-16.97	-0.010	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-13.72	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-8.34	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	30	5.06	0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	40	17.54	0.010	PASS
Band4	20	20050	100	#0	QPSK	NV	50	29.83	0.017	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	2.39	0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	25.49	0.015	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	10.30	0.006	PASS
Band4	20	20050	100	#0	16QAM	NV	0	19.53	0.011	PASS
Band4	20	20050	100	#0	16QAM	NV	10	24.18	0.014	PASS
Band4	20	20050	100	#0	16QAM	NV	20	27.09	0.016	PASS
Band4	20	20050	100	#0	16QAM	NV	30	22.39	0.013	PASS
Band4	20	20050	100	#0	16QAM	NV	40	17.35	0.010	PASS
Band4	20	20050	100	#0	16QAM	NV	50	32.00	0.019	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-6.28	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	3.73	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	26.68	0.015	PASS
Band4	20	20175	100	#0	QPSK	NV	0	17.51	0.010	PASS
Band4	20	20175	100	#0	QPSK	NV	10	38.70	0.022	PASS
Band4	20	20175	100	#0	QPSK	NV	20	31.10	0.018	PASS
Band4	20	20175	100	#0	QPSK	NV	30	12.95	0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	40	4.01	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	50	10.71	0.006	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	26.02	0.015	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	3.48	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	8.48	0.005	PASS
Band4	20	20175	100	#0	16QAM	NV	0	21.34	0.012	PASS
Band4	20	20175	100	#0	16QAM	NV	10	30.90	0.018	PASS
Band4	20	20175	100	#0	16QAM	NV	20	15.74	0.009	PASS
Band4	20	20175	100	#0	16QAM	NV	30	4.08	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	40	0.93	0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	50	-0.37	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-10.30	-0.006	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-7.54	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	2.40	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	0	16.02	0.009	PASS
Band4	20	20300	100	#0	QPSK	NV	10	26.94	0.015	PASS
Band4	20	20300	100	#0	QPSK	NV	20	36.81	0.021	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-4.58	-0.003	PASS

Band4	20	20300	100	#0	QPSK	NV	40	6.14	0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	50	23.23	0.013	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	36.08	0.021	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-9.71	-0.006	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-4.26	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	0	1.93	0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	10	14.78	0.008	PASS
Band4	20	20300	100	#0	16QAM	NV	20	24.40	0.014	PASS
Band4	20	20300	100	#0	16QAM	NV	30	5.51	0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	40	24.96	0.014	PASS
Band4	20	20300	100	#0	16QAM	NV	50	3.62	0.002	PASS

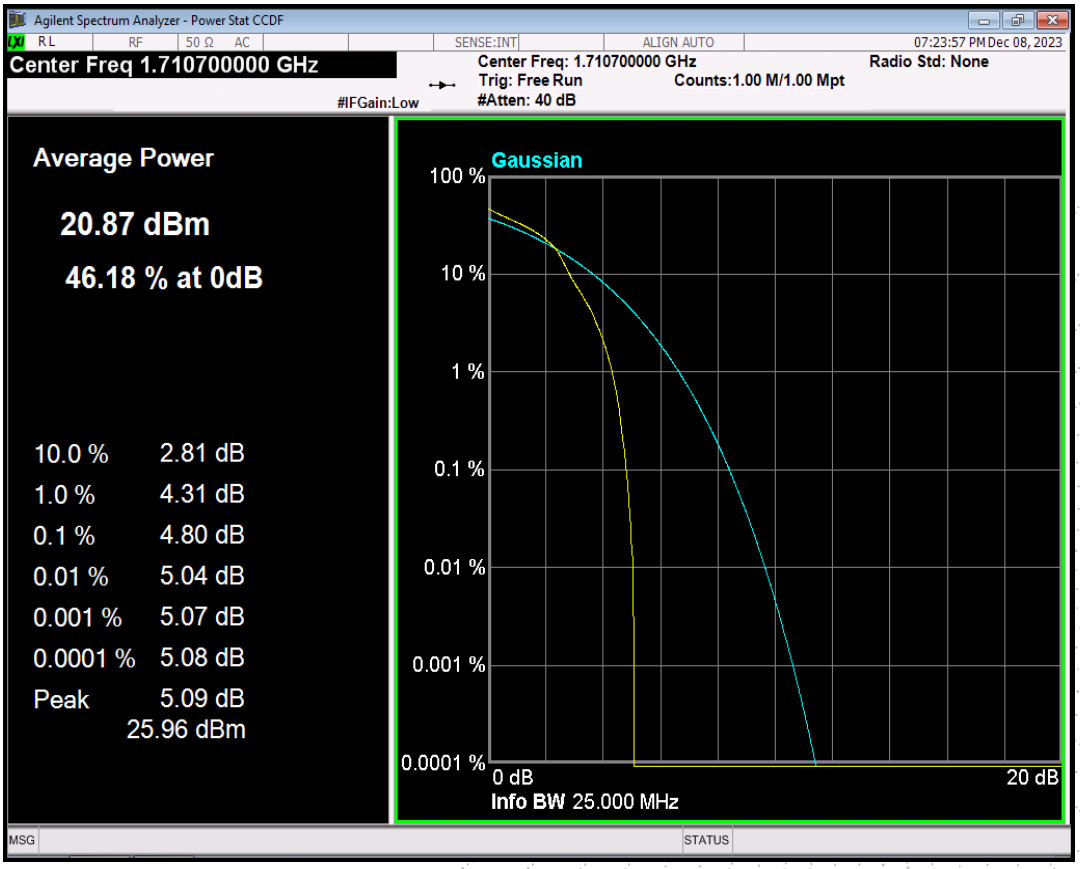
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	3.77	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.80	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.83	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.48	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.02	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.76	13	PASS
Band4	3	19965	1	#0	QPSK	3.93	13	PASS
Band4	3	19965	1	#0	16QAM	4.83	13	PASS
Band4	3	20175	1	#0	QPSK	4.78	13	PASS
Band4	3	20175	1	#0	16QAM	5.30	13	PASS
Band4	3	20385	1	#0	QPSK	3.62	13	PASS
Band4	3	20385	1	#0	16QAM	4.32	13	PASS
Band4	5	19975	1	#0	QPSK	4.14	13	PASS
Band4	5	19975	1	#0	16QAM	4.90	13	PASS
Band4	5	20175	1	#0	QPSK	4.52	13	PASS
Band4	5	20175	1	#0	16QAM	5.20	13	PASS
Band4	5	20375	1	#0	QPSK	3.53	13	PASS
Band4	5	20375	1	#0	16QAM	4.41	13	PASS
Band4	10	20000	1	#0	QPSK	3.94	13	PASS
Band4	10	20000	1	#0	16QAM	4.87	13	PASS
Band4	10	20175	1	#0	QPSK	4.23	13	PASS
Band4	10	20175	1	#0	16QAM	5.30	13	PASS
Band4	10	20350	1	#0	QPSK	3.05	13	PASS
Band4	10	20350	1	#0	16QAM	3.99	13	PASS
Band4	15	20025	1	#0	QPSK	3.95	13	PASS
Band4	15	20025	1	#0	16QAM	5.01	13	PASS
Band4	15	20175	1	#0	QPSK	4.15	13	PASS
Band4	15	20175	1	#0	16QAM	5.16	13	PASS
Band4	15	20325	1	#0	QPSK	3.89	13	PASS
Band4	15	20325	1	#0	16QAM	4.78	13	PASS
Band4	20	20050	1	#0	QPSK	3.76	13	PASS
Band4	20	20050	1	#0	16QAM	4.65	13	PASS
Band4	20	20175	1	#0	QPSK	4.25	13	PASS
Band4	20	20175	1	#0	16QAM	5.27	13	PASS
Band4	20	20300	1	#0	QPSK	5.08	13	PASS
Band4	20	20300	1	#0	16QAM	6.11	13	PASS

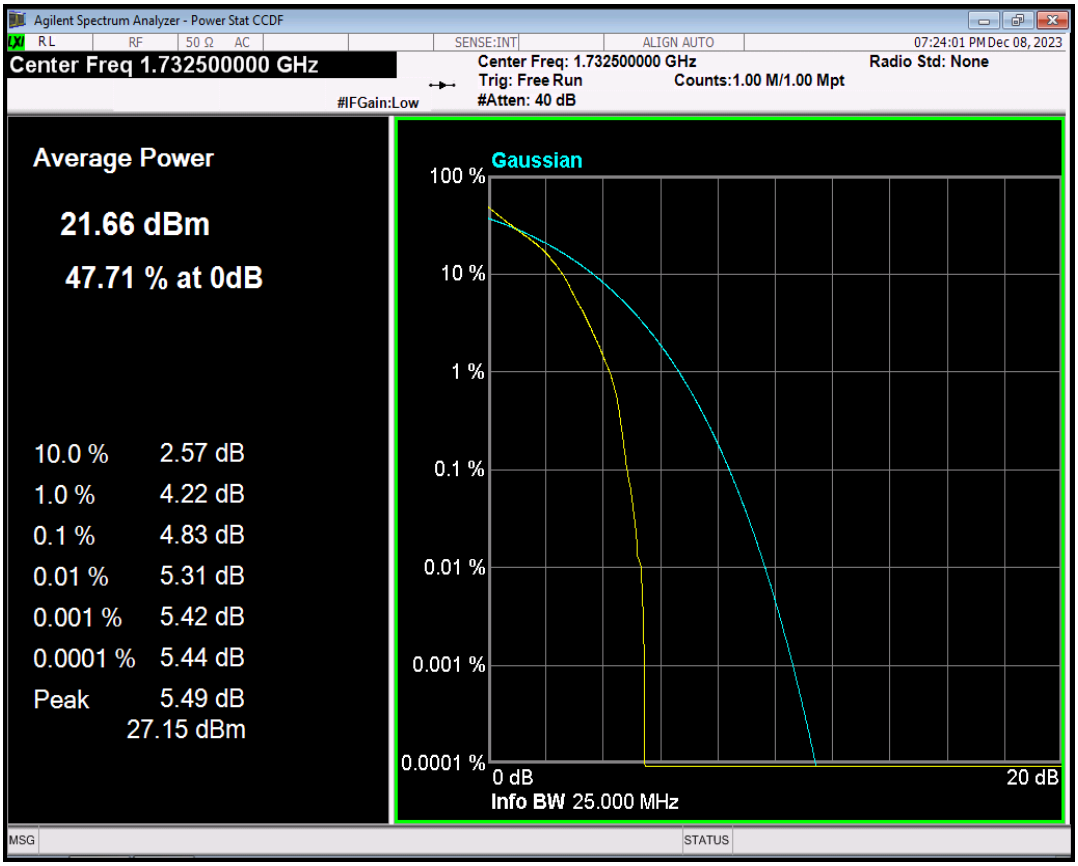
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



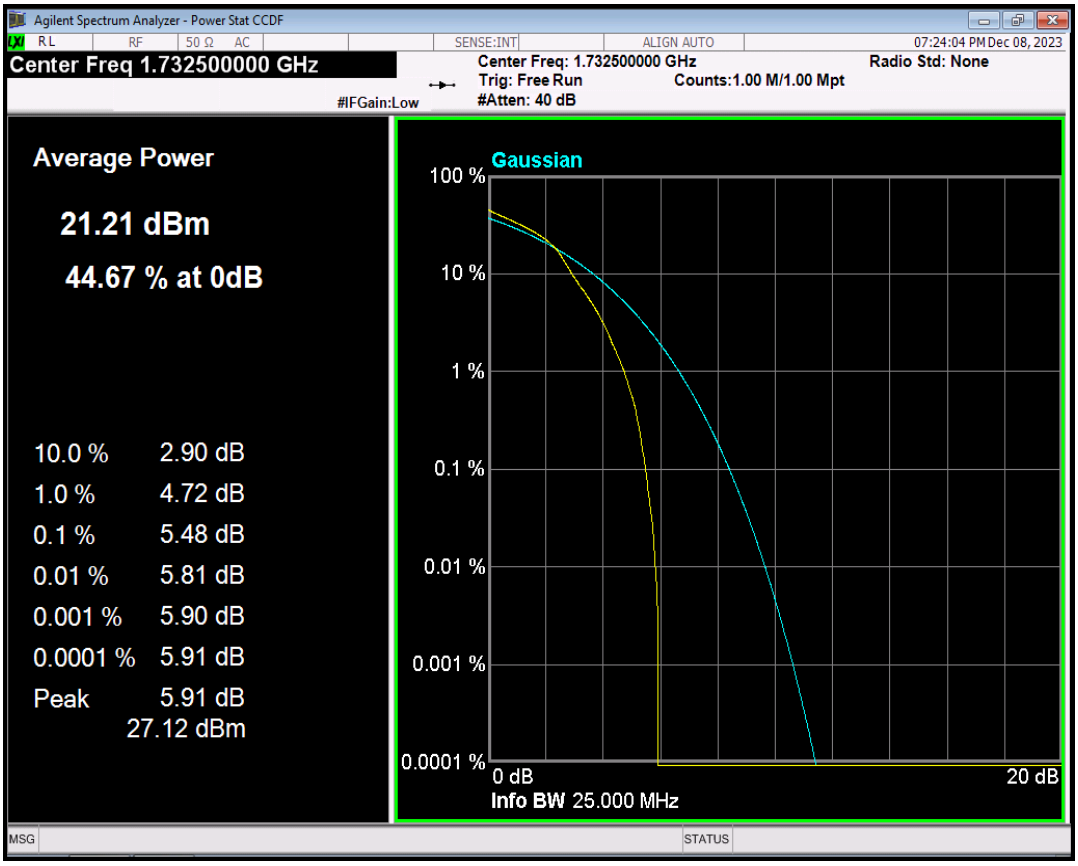
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



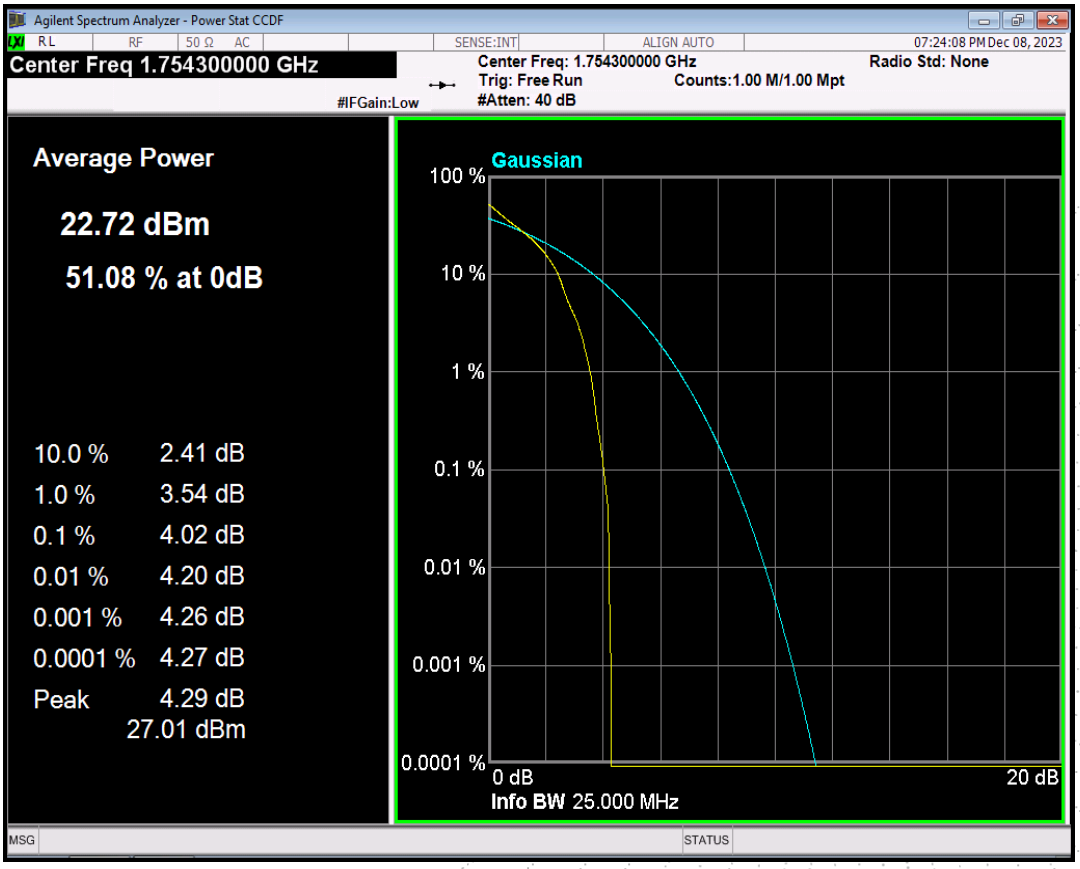
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



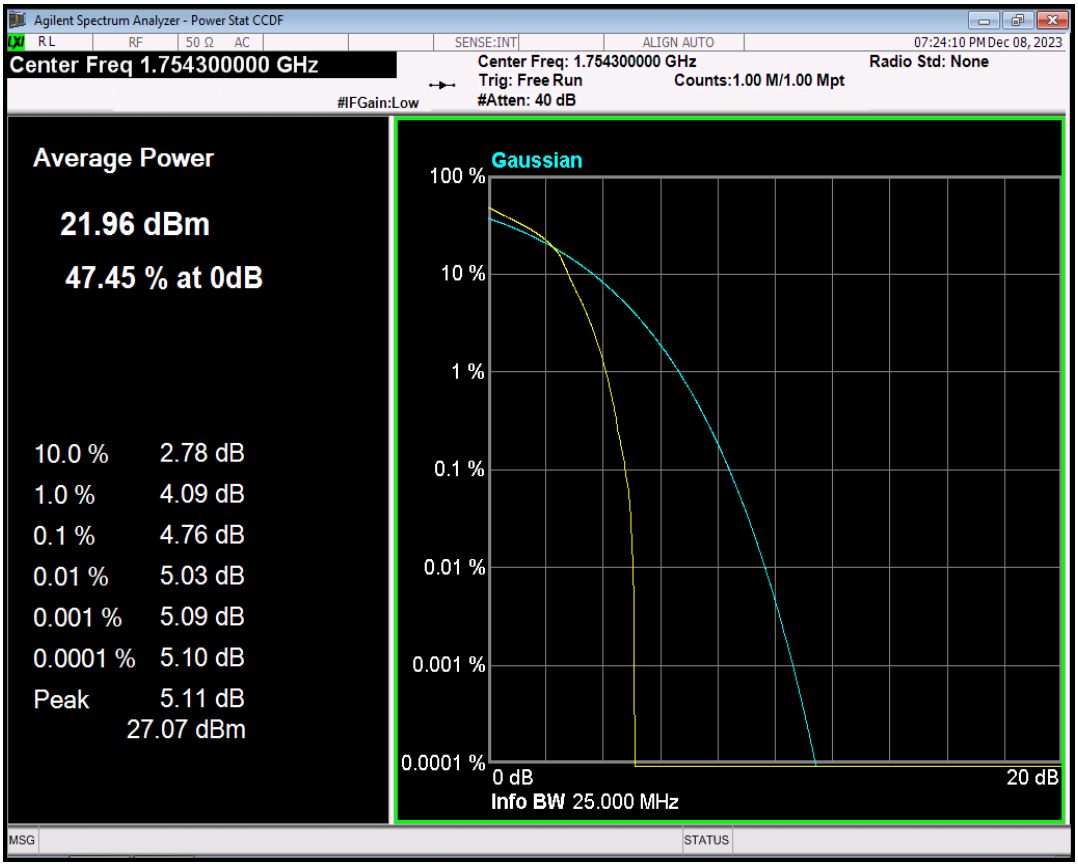
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



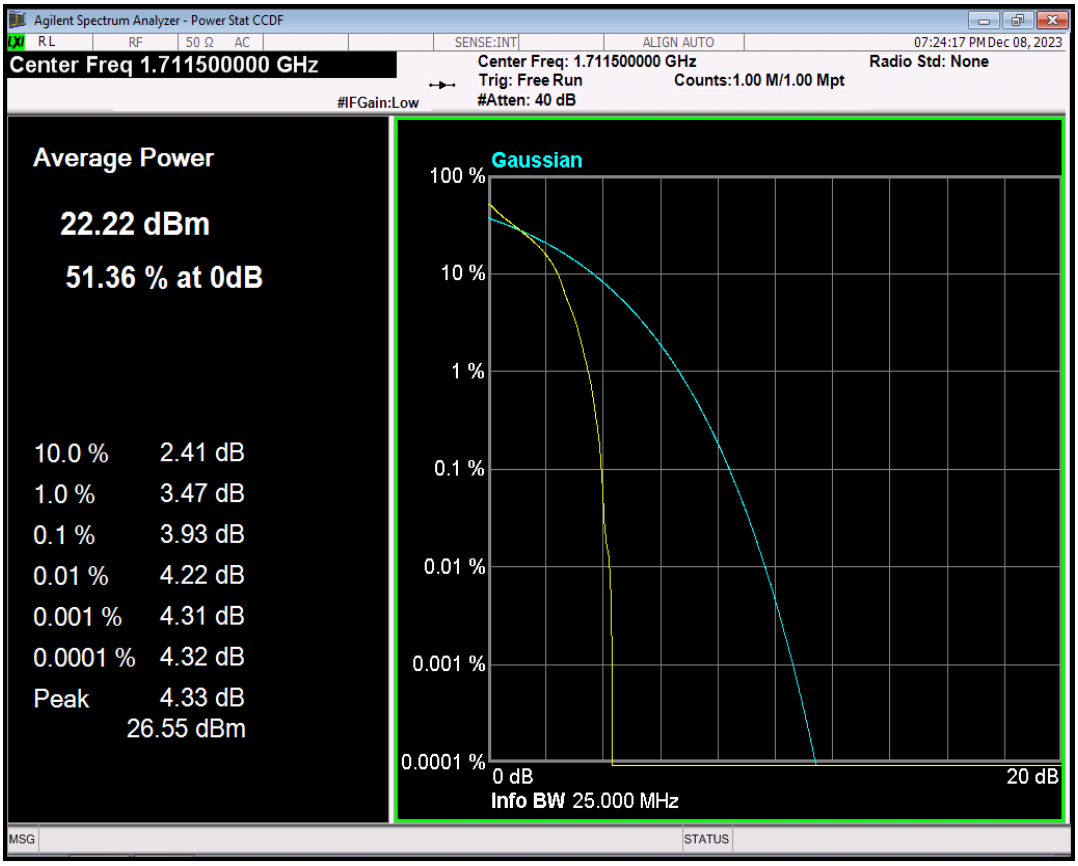
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



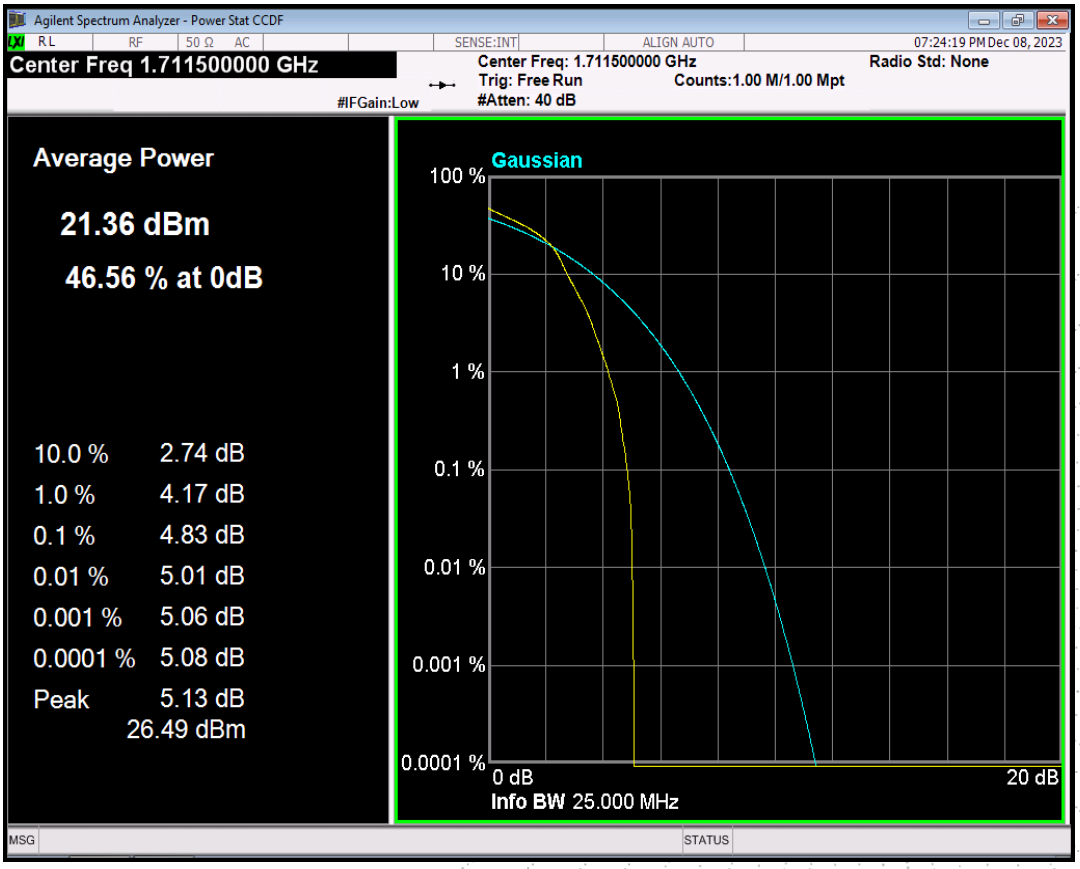
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



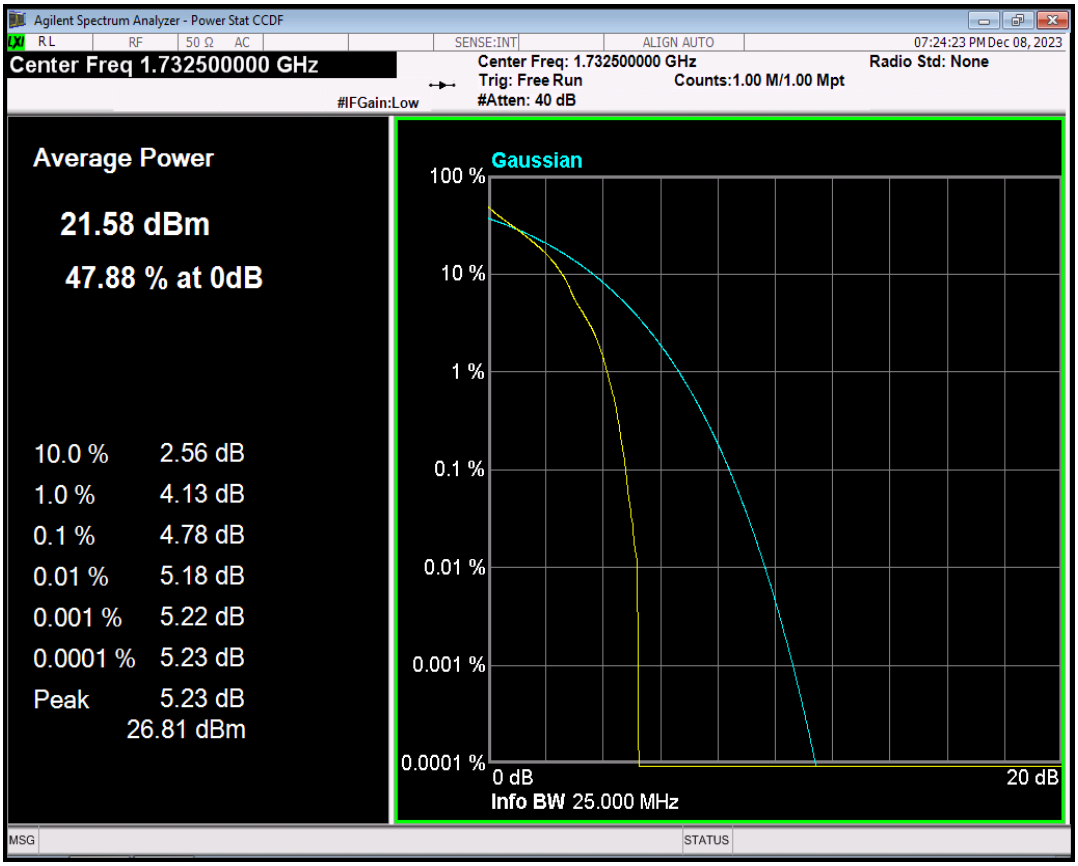
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



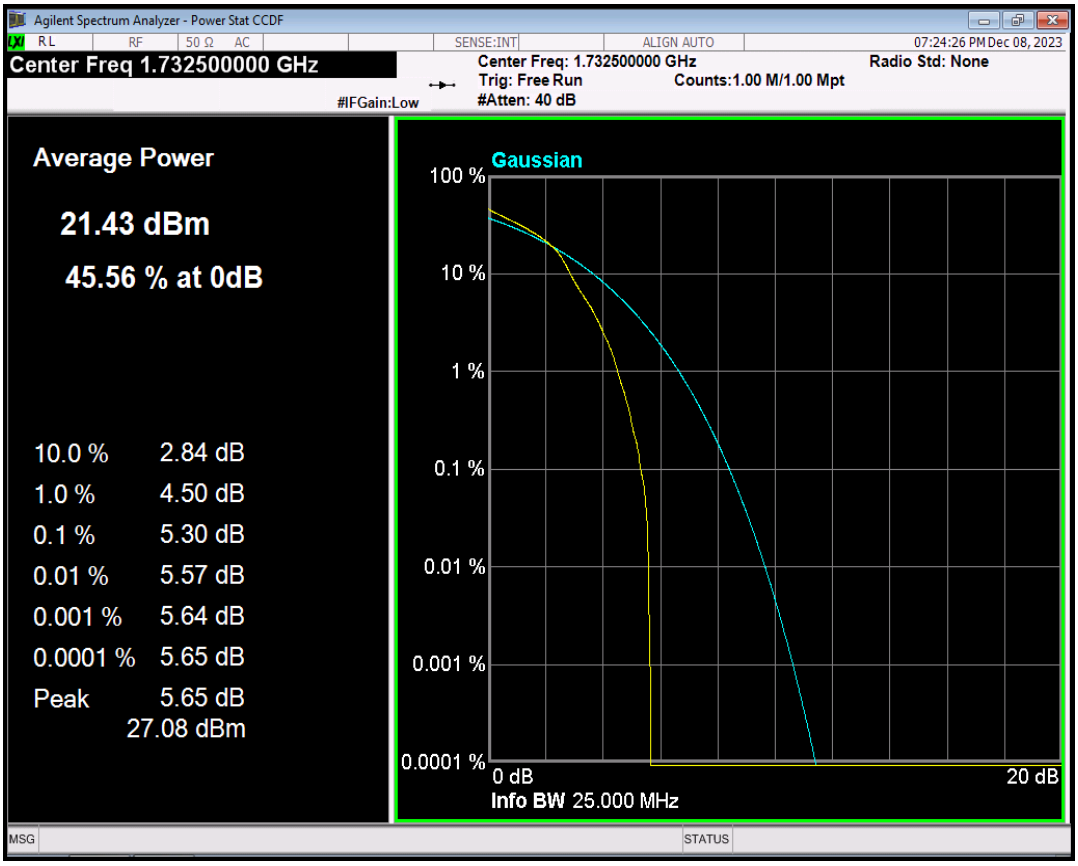
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



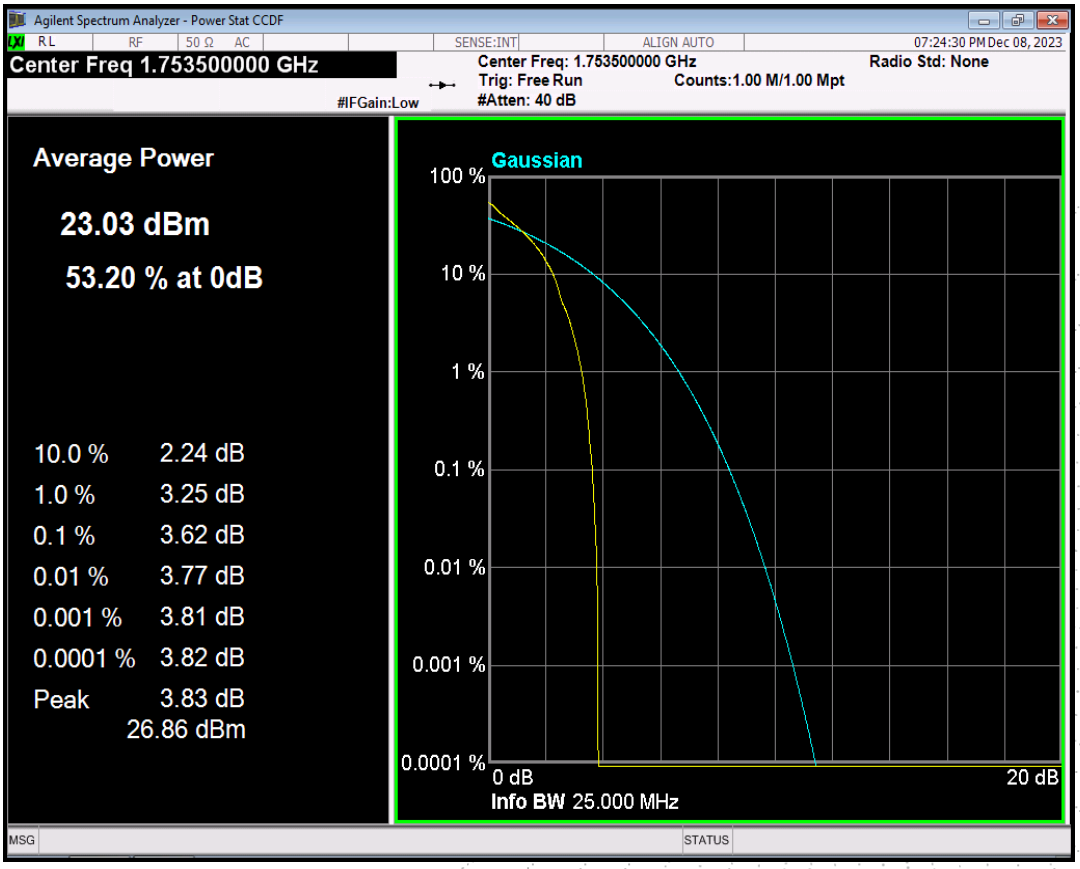
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



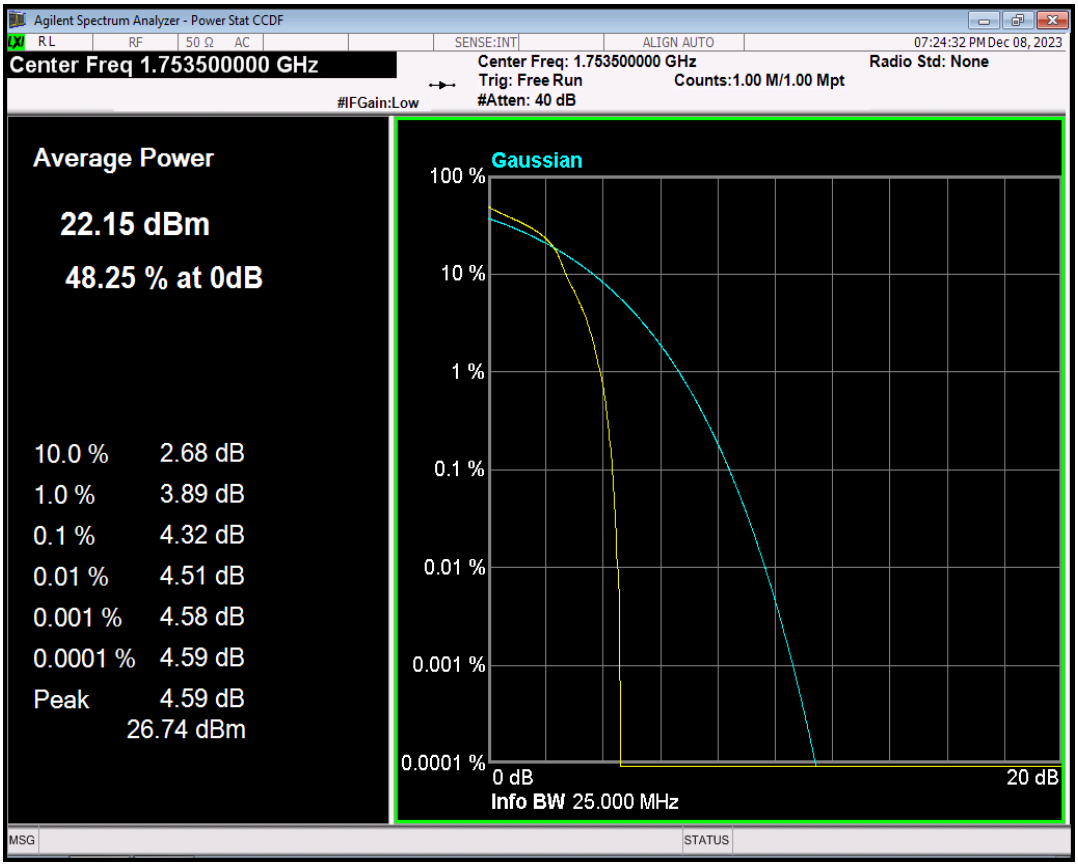
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



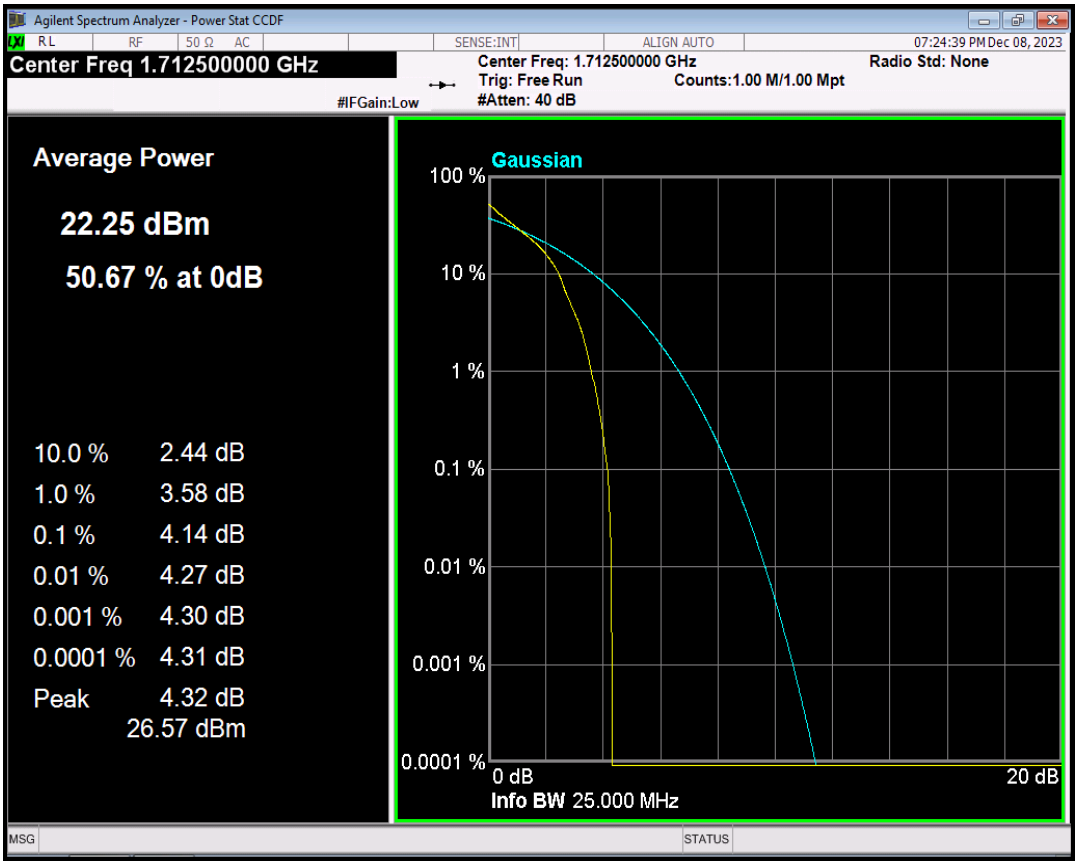
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



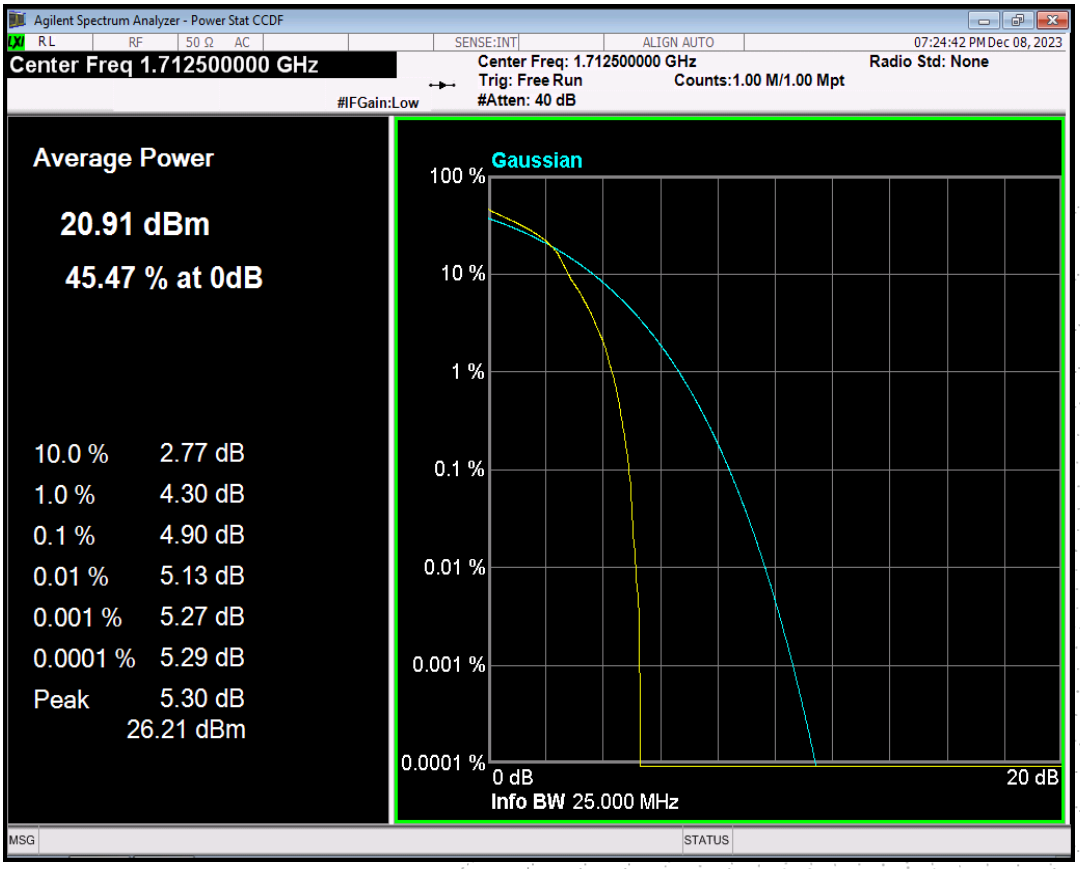
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



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



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



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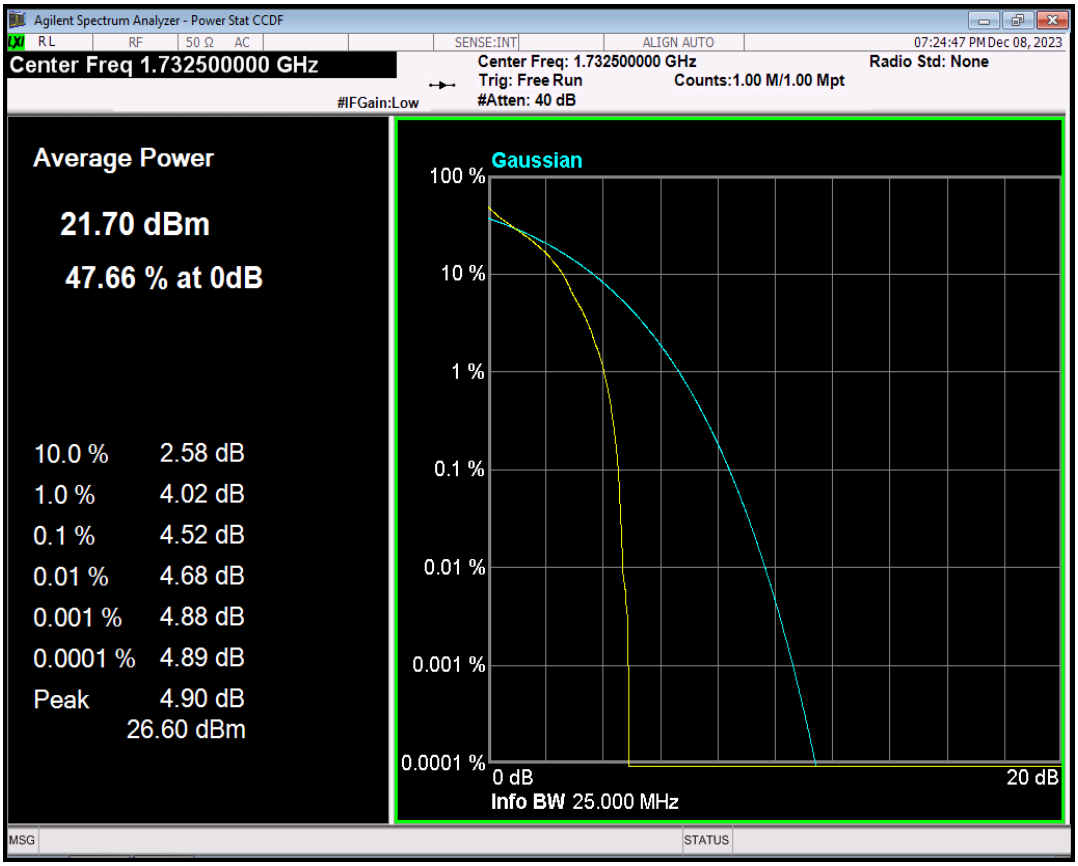
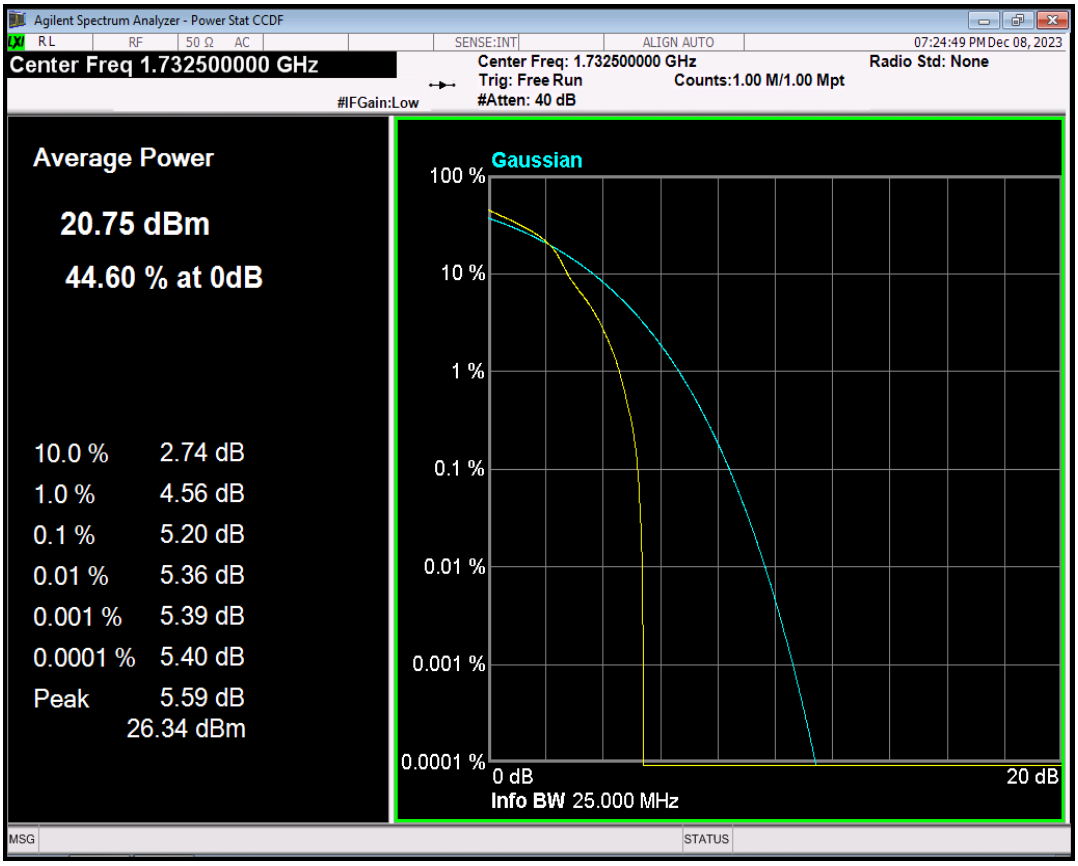
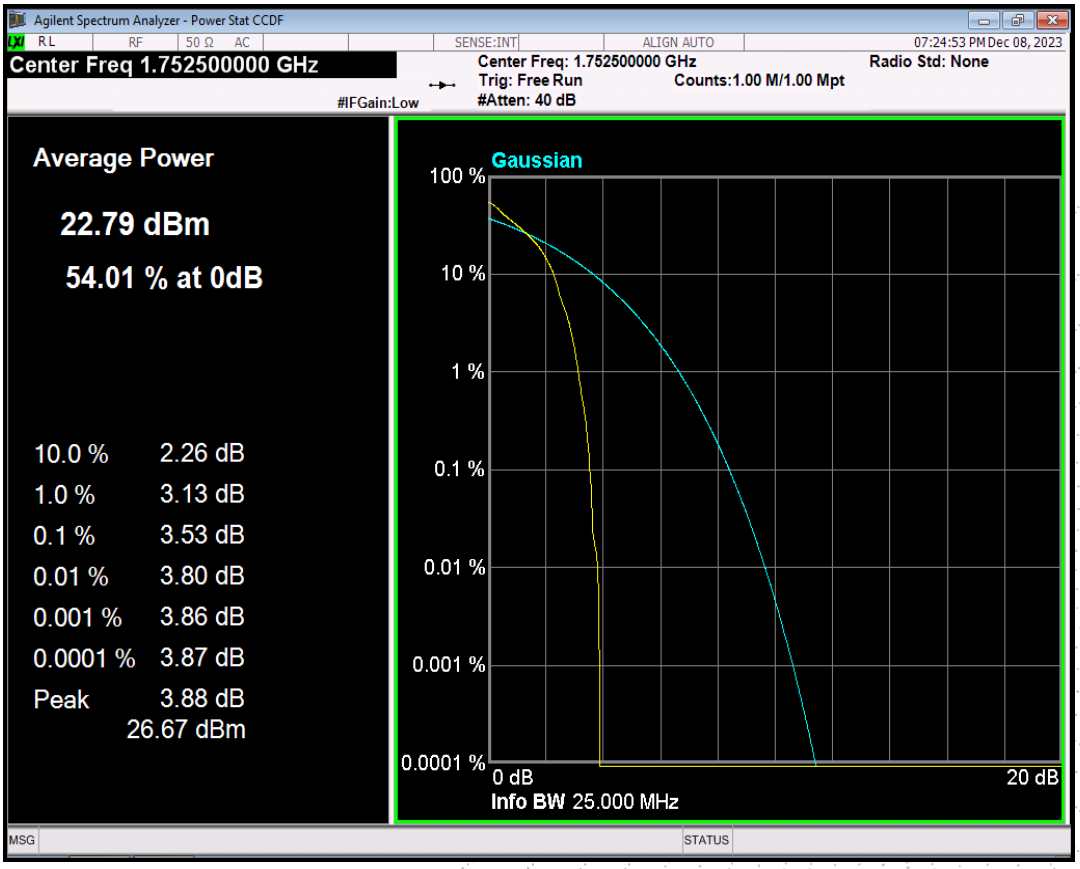


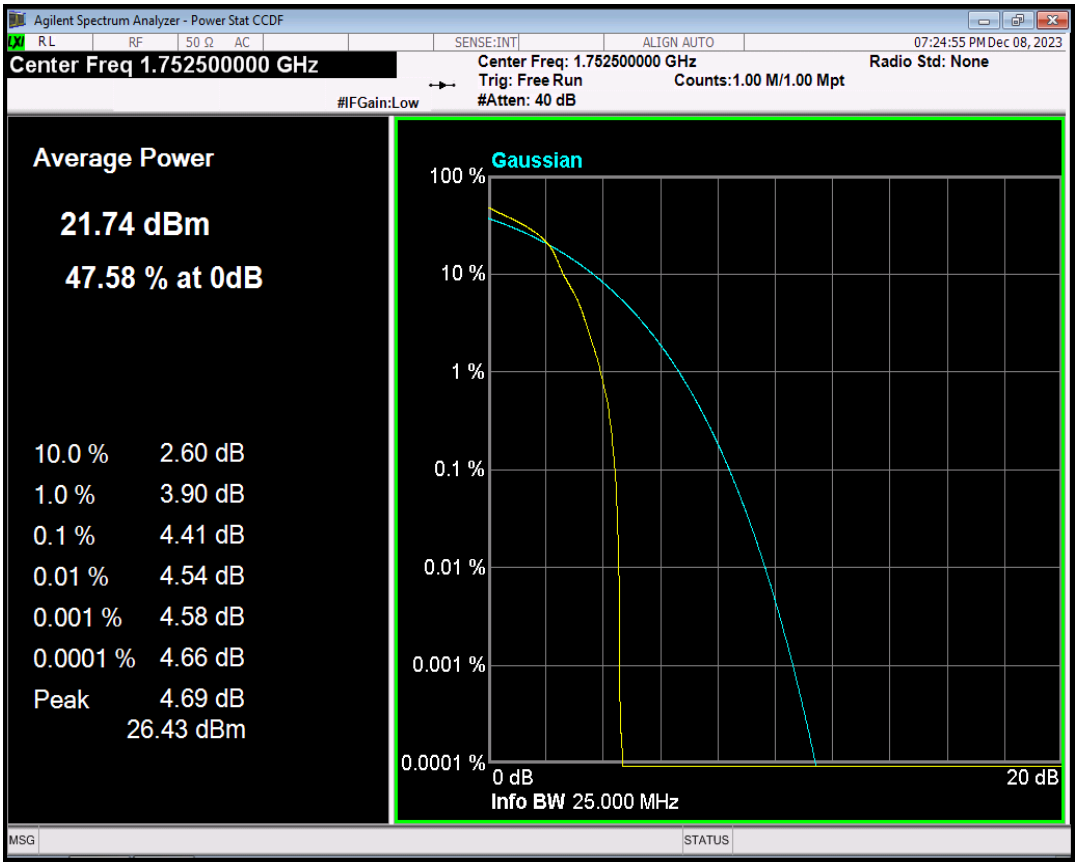
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



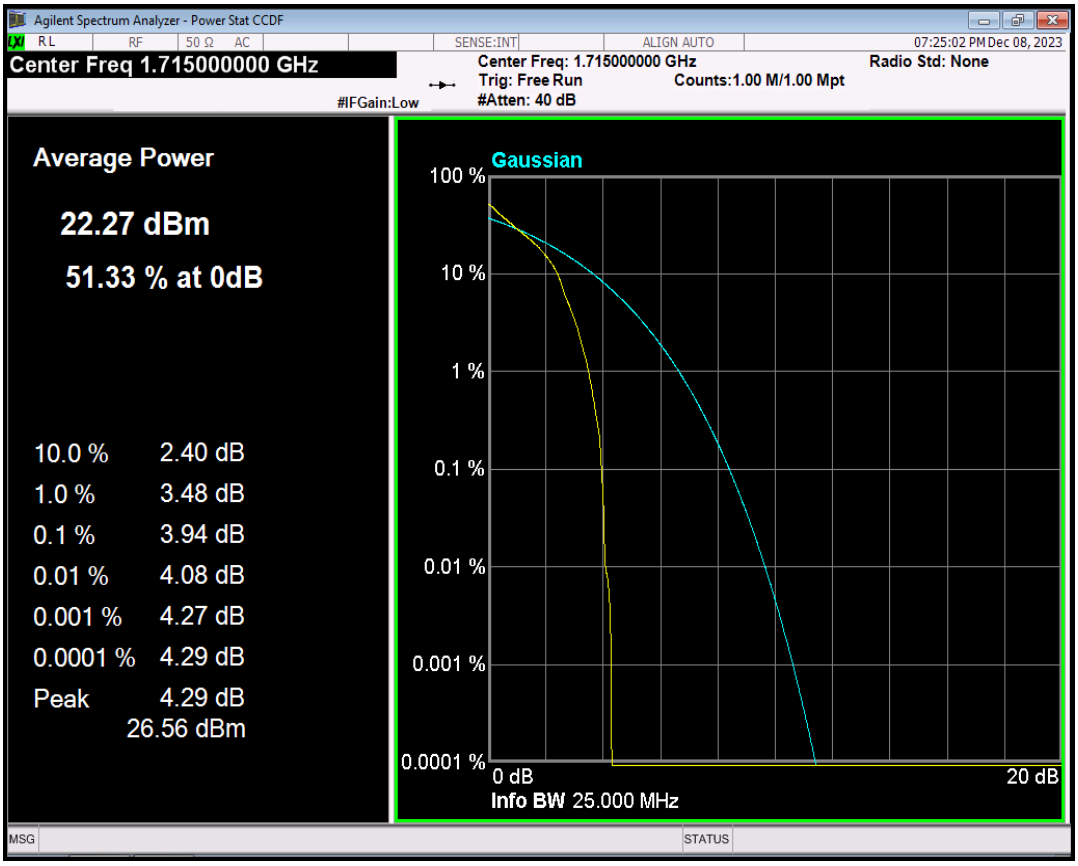
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



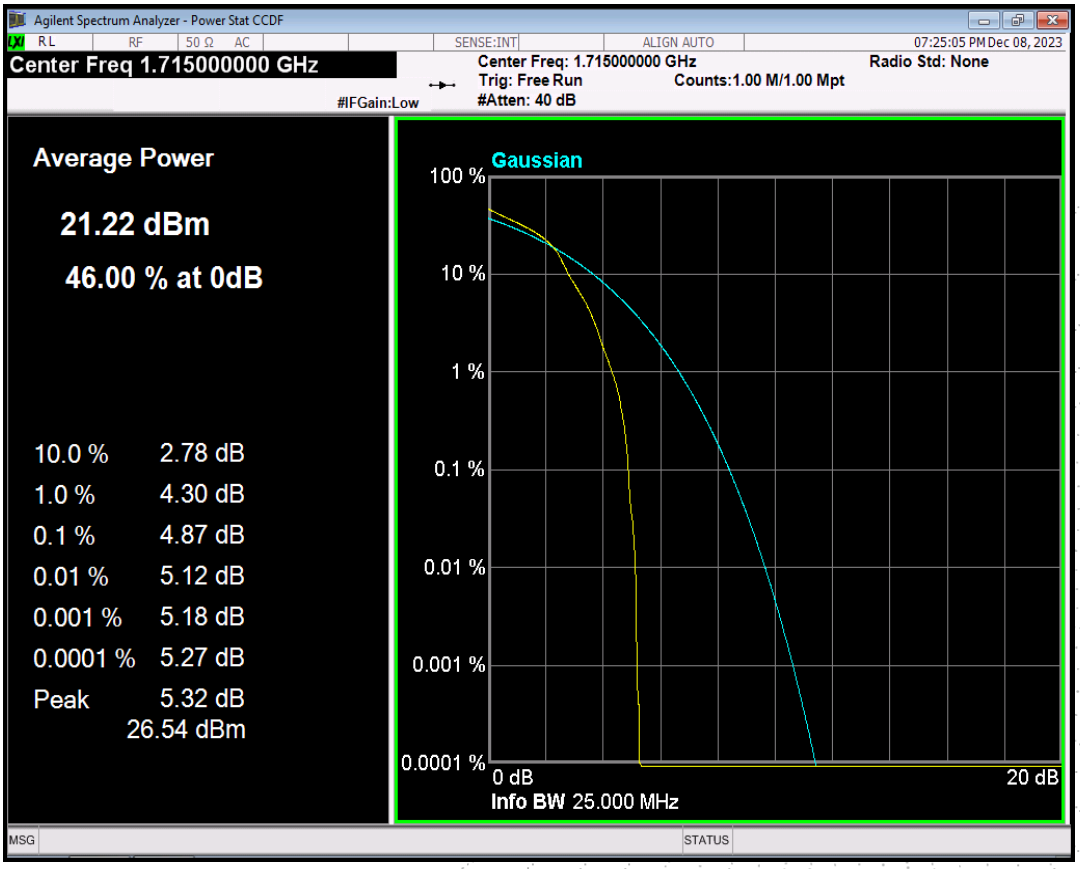
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



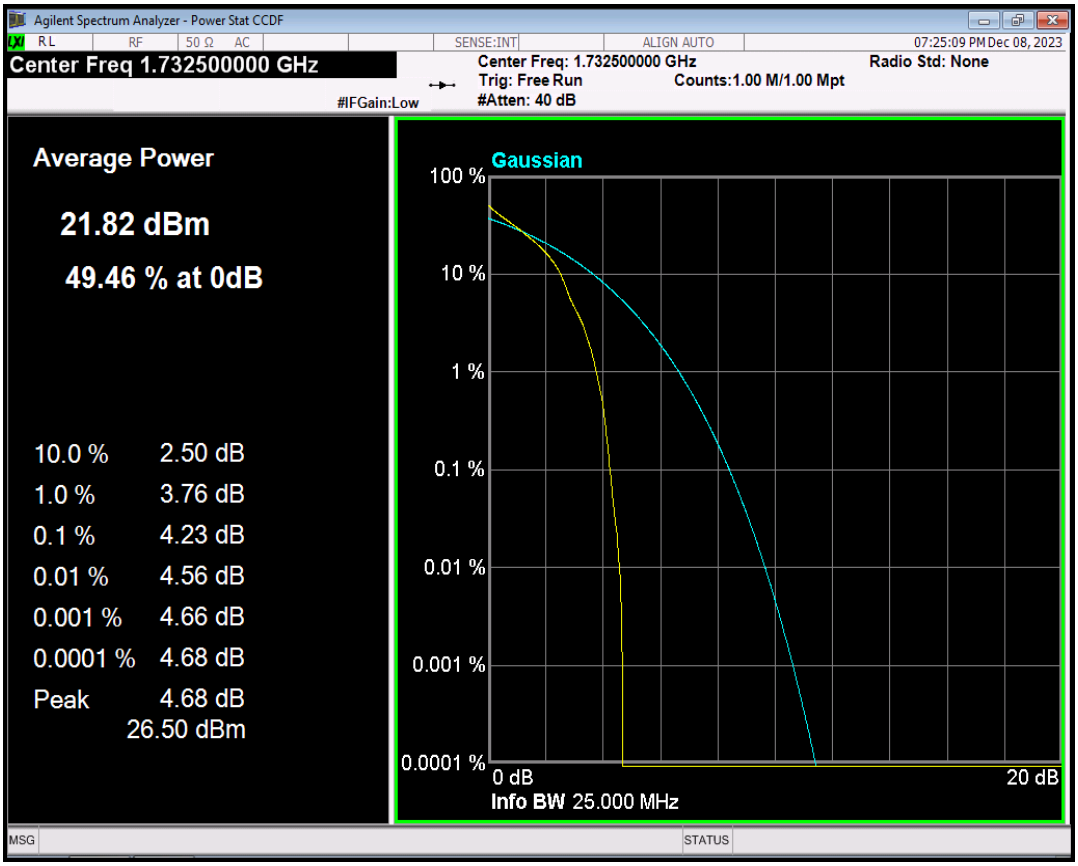
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



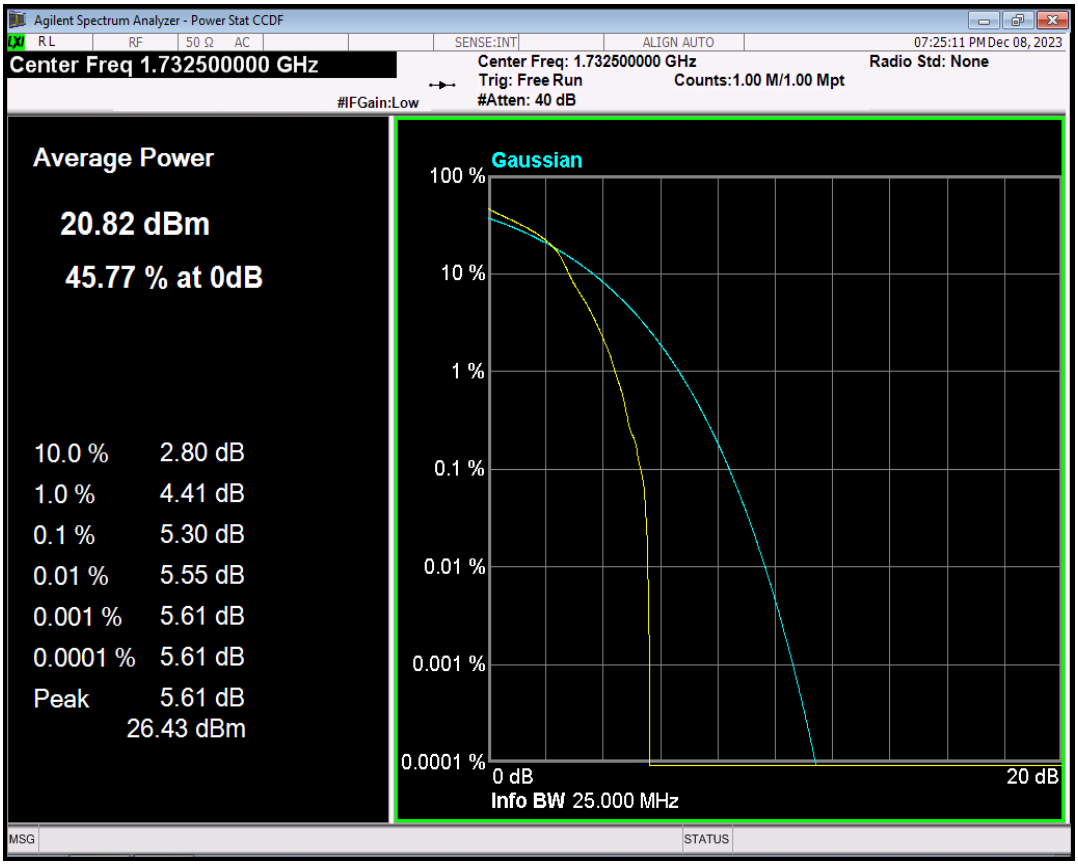
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



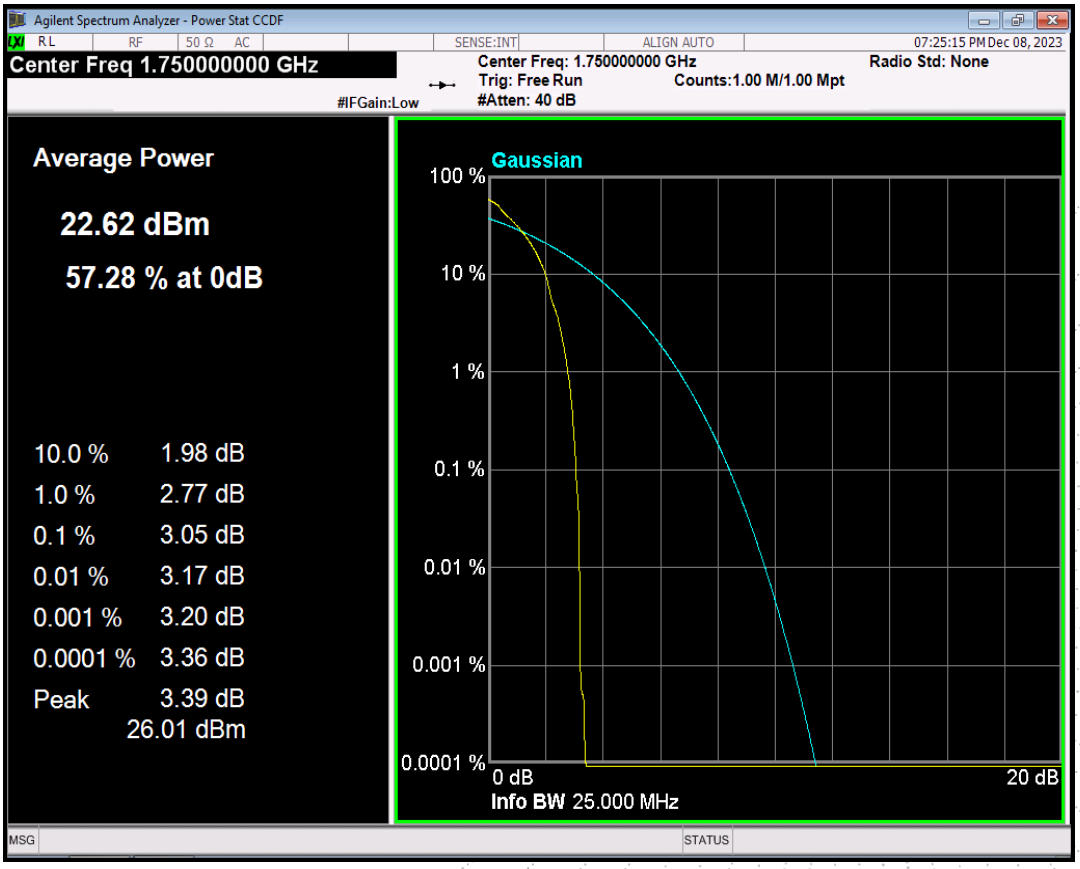
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



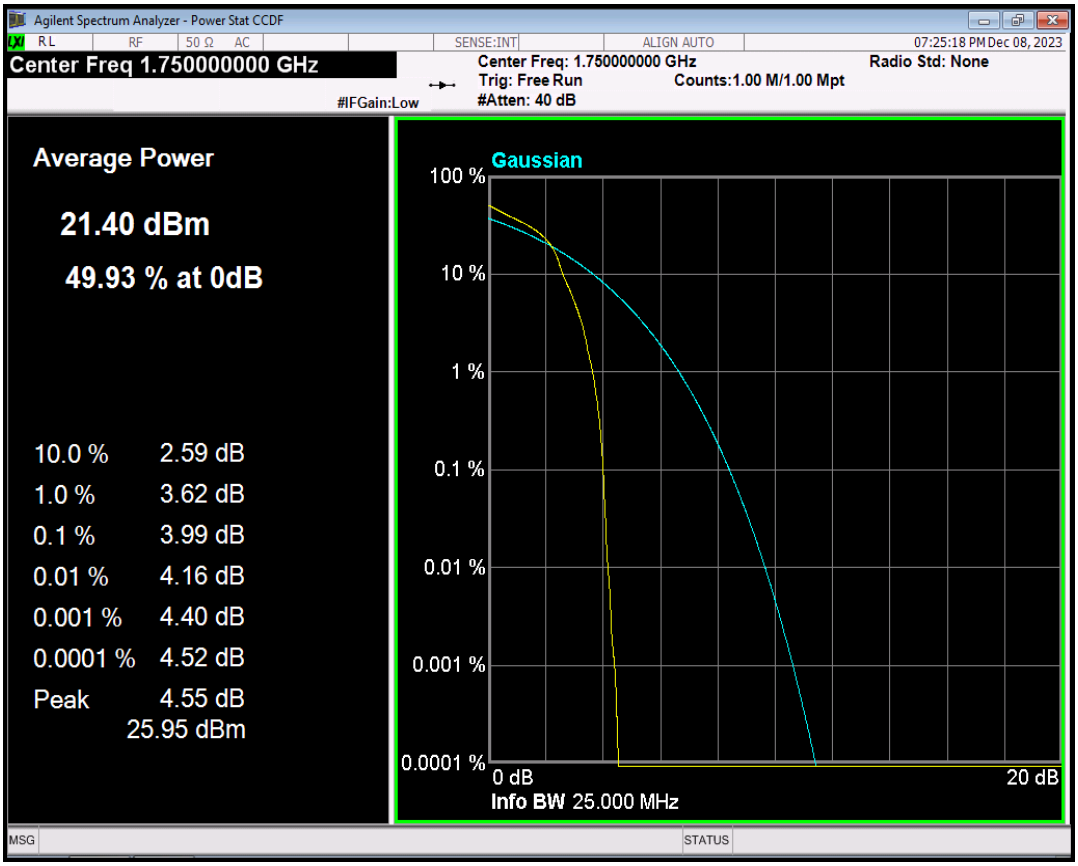
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



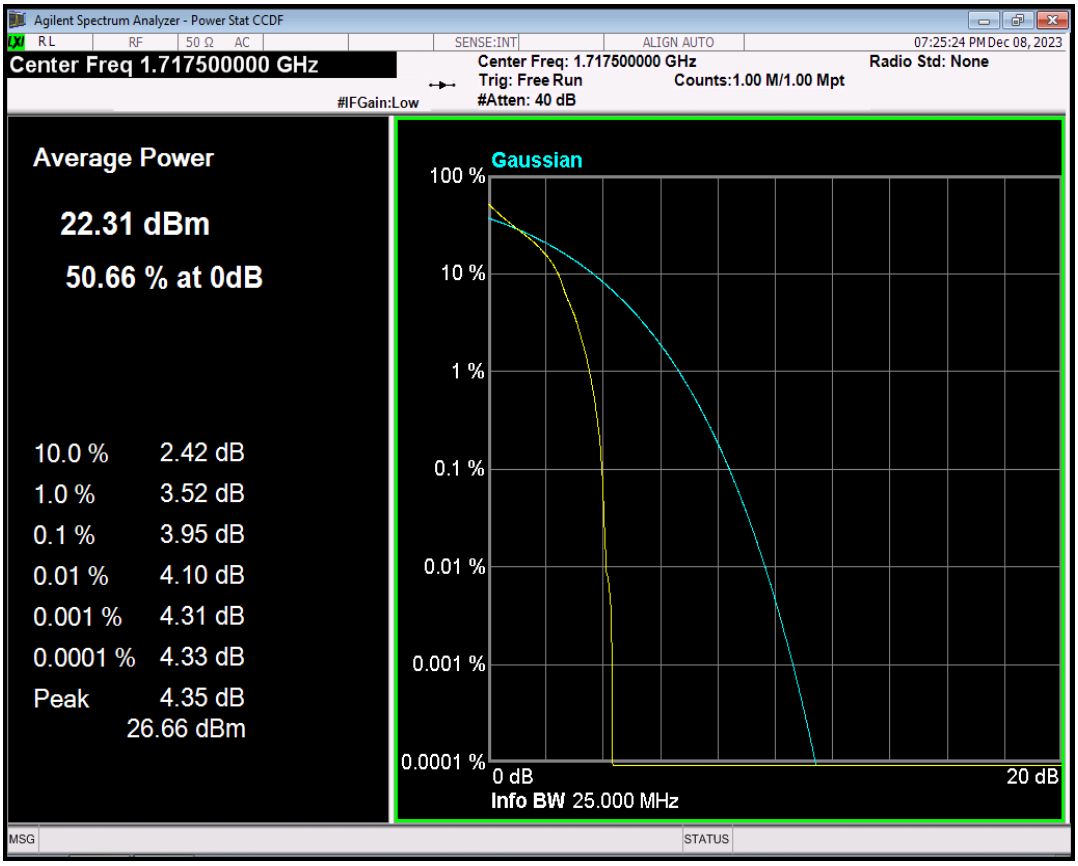
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



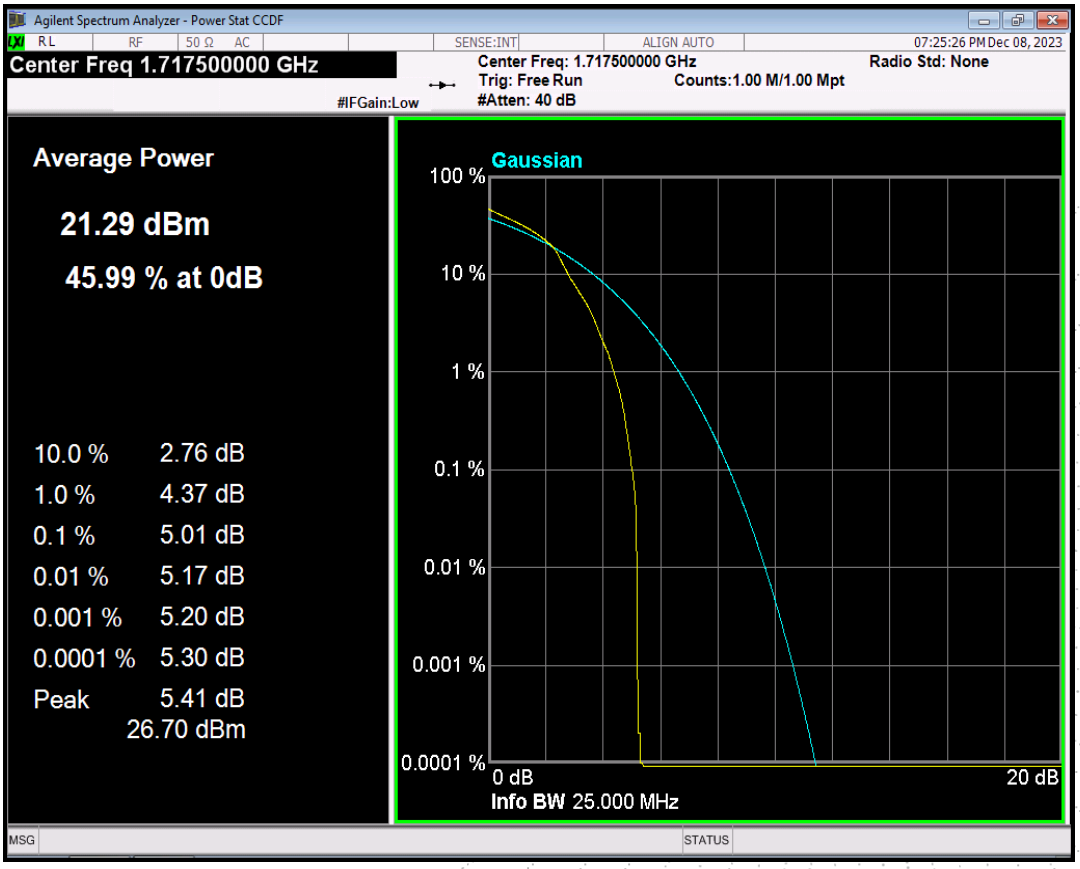
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



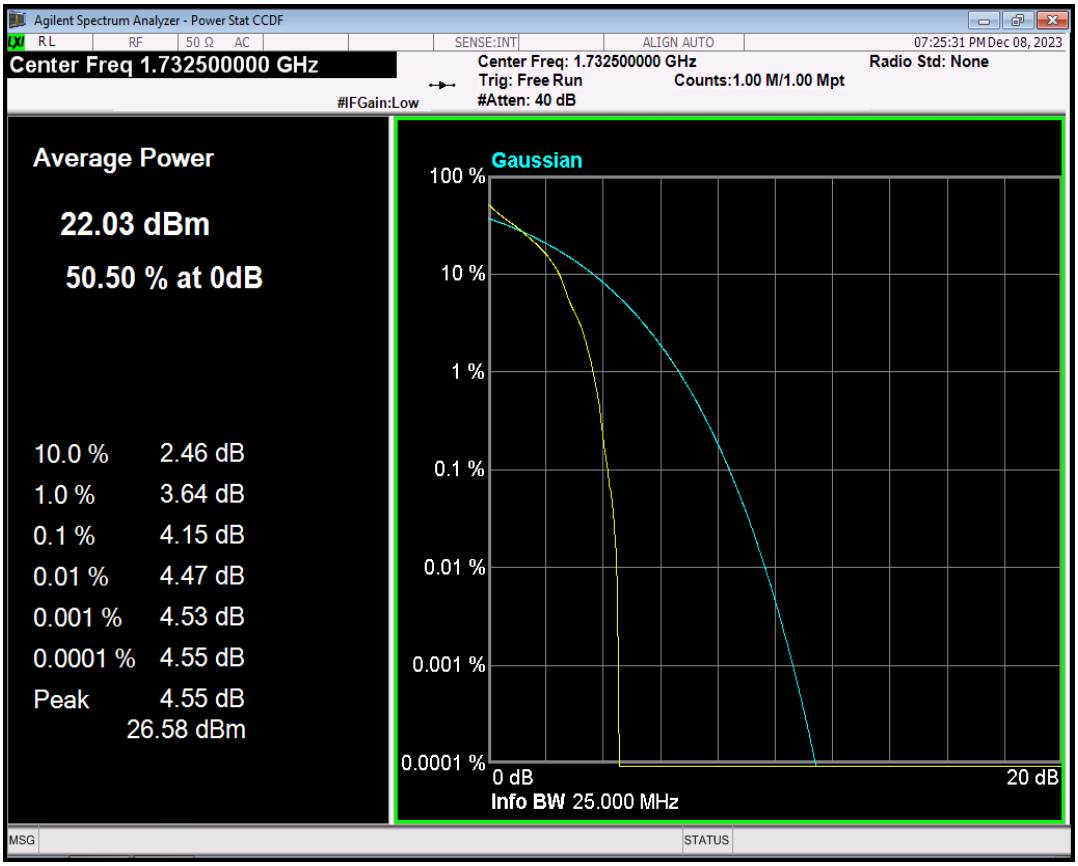
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



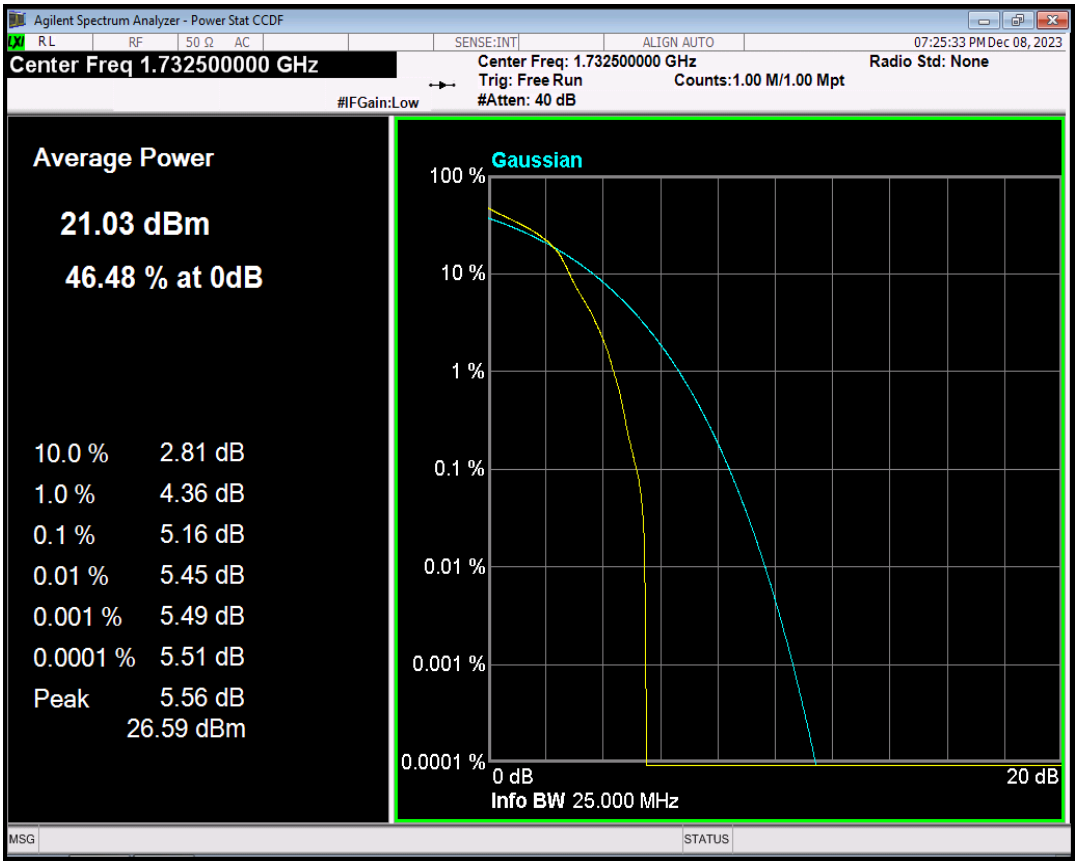
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



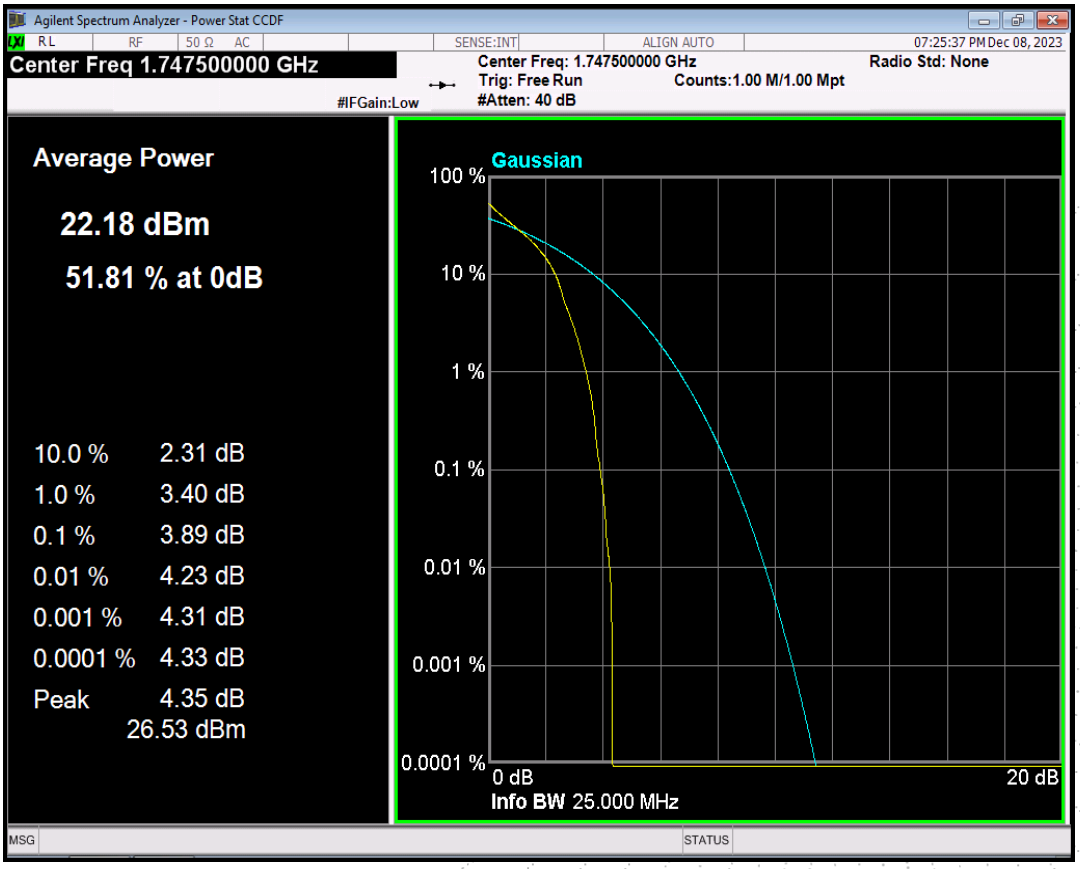
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



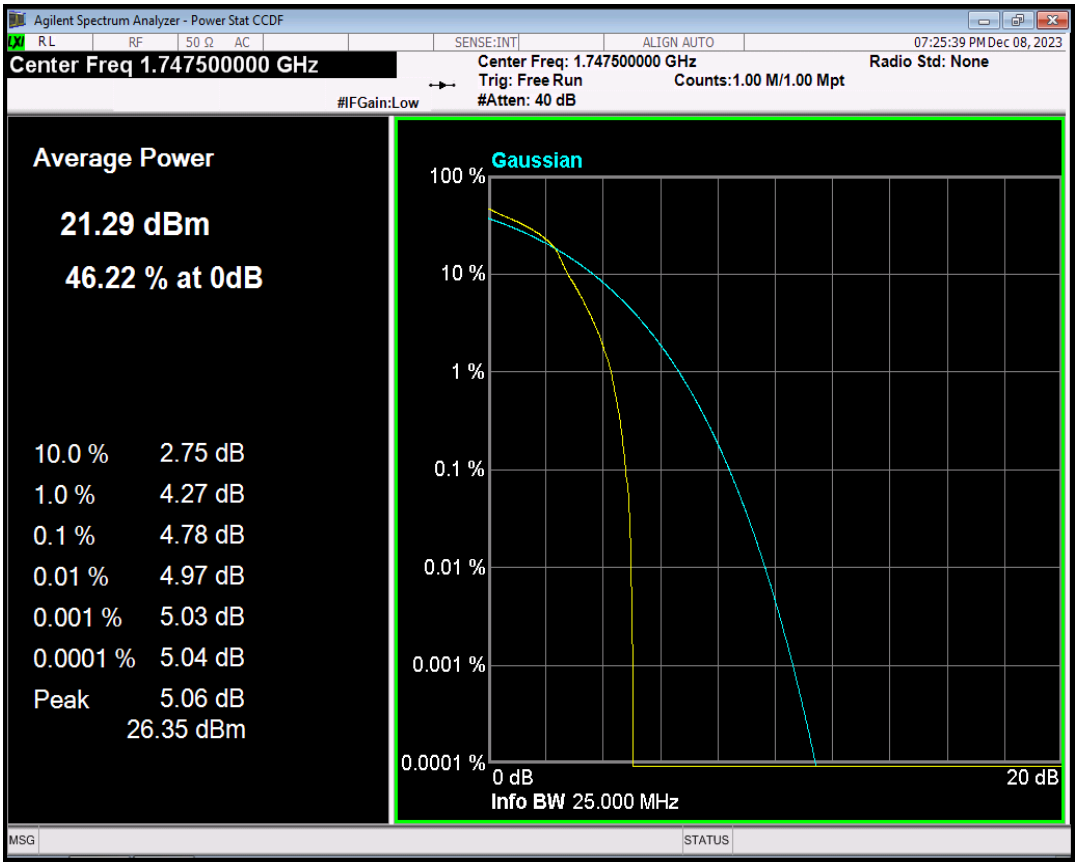
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



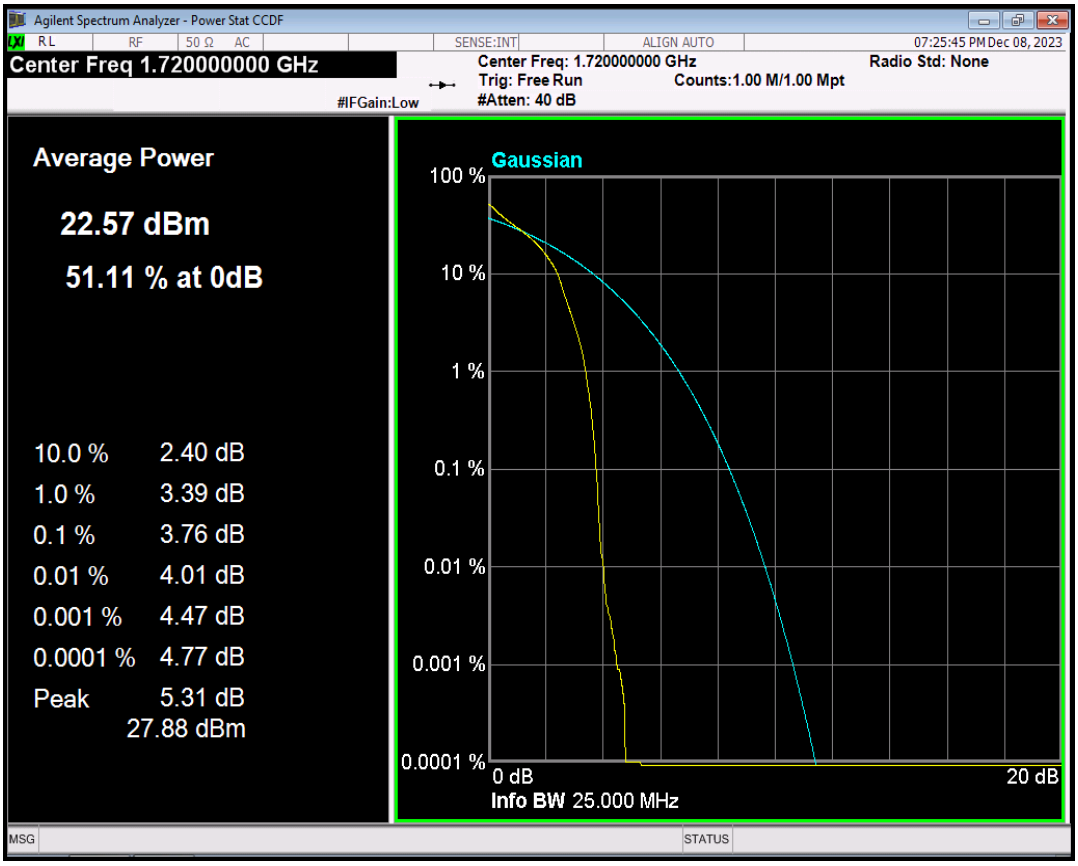
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



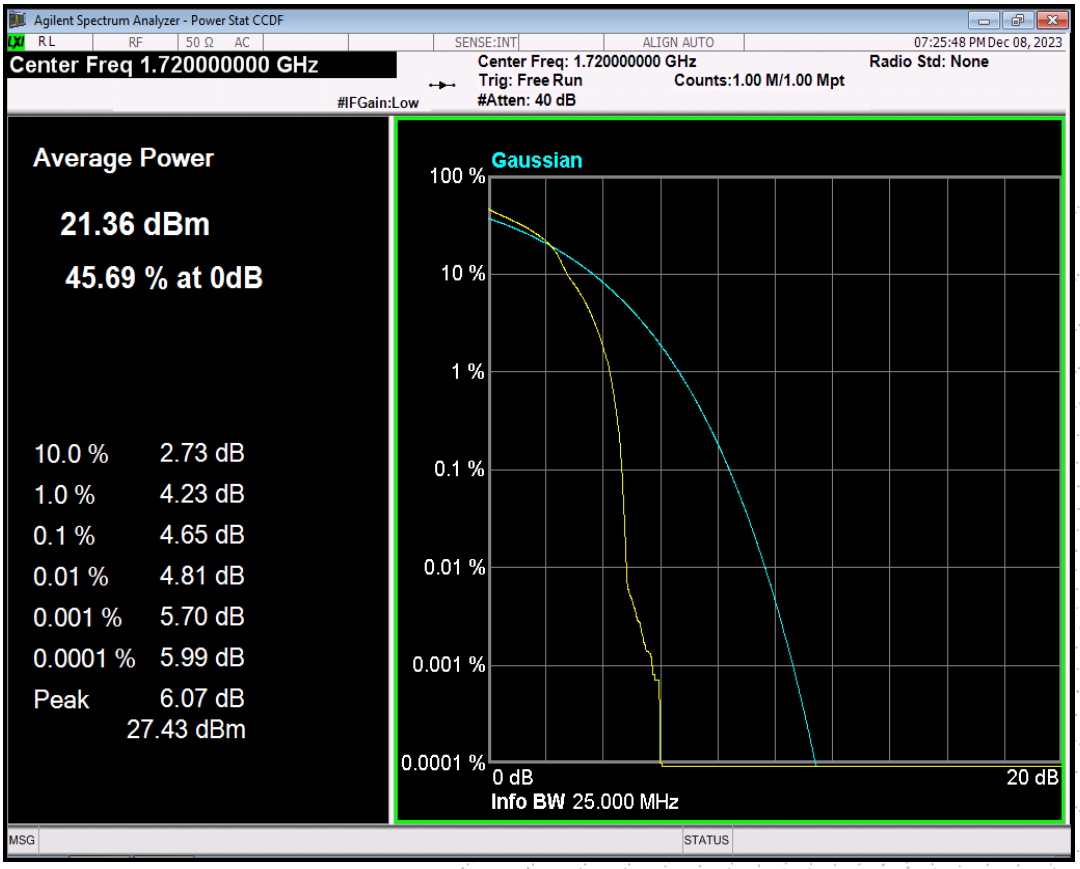
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



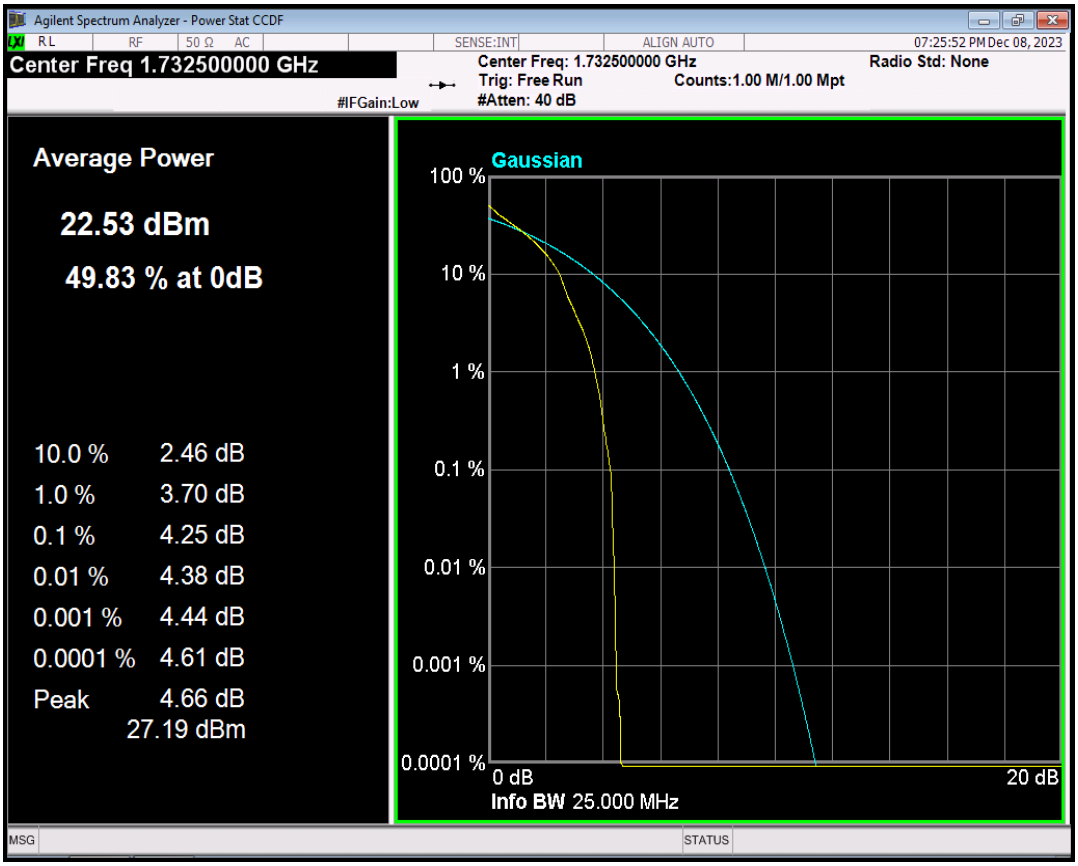
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



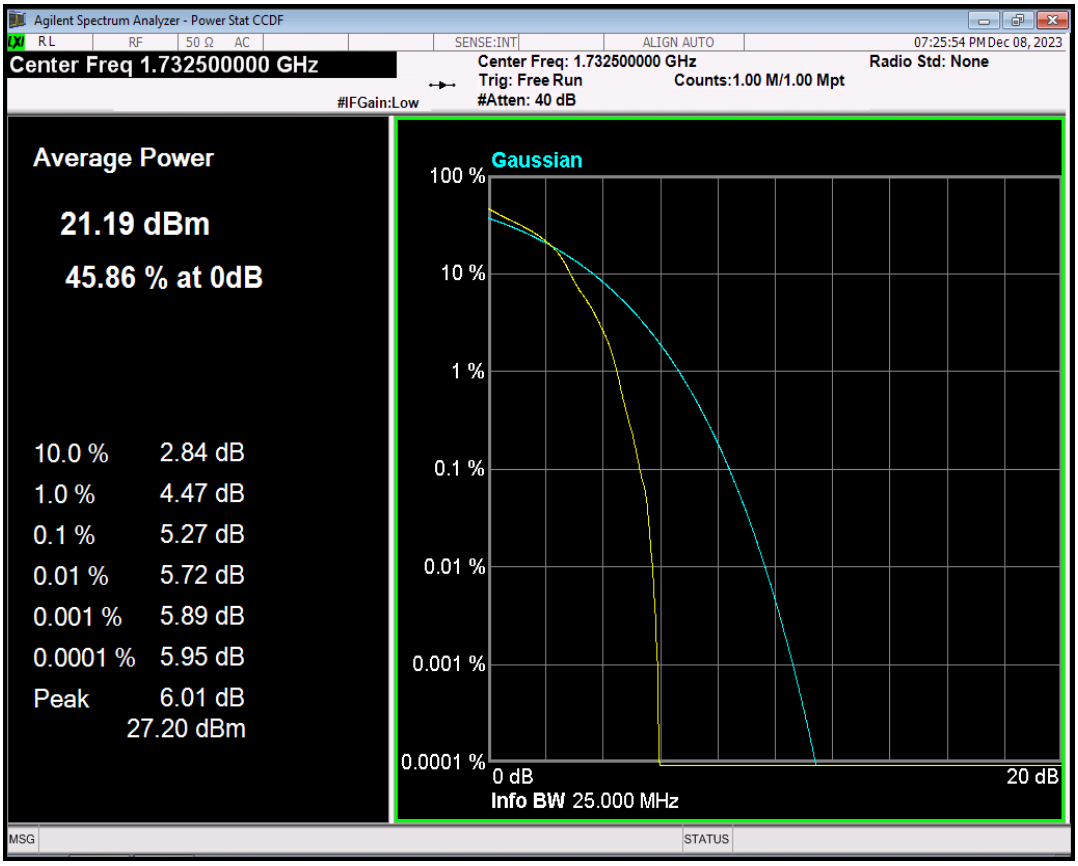
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



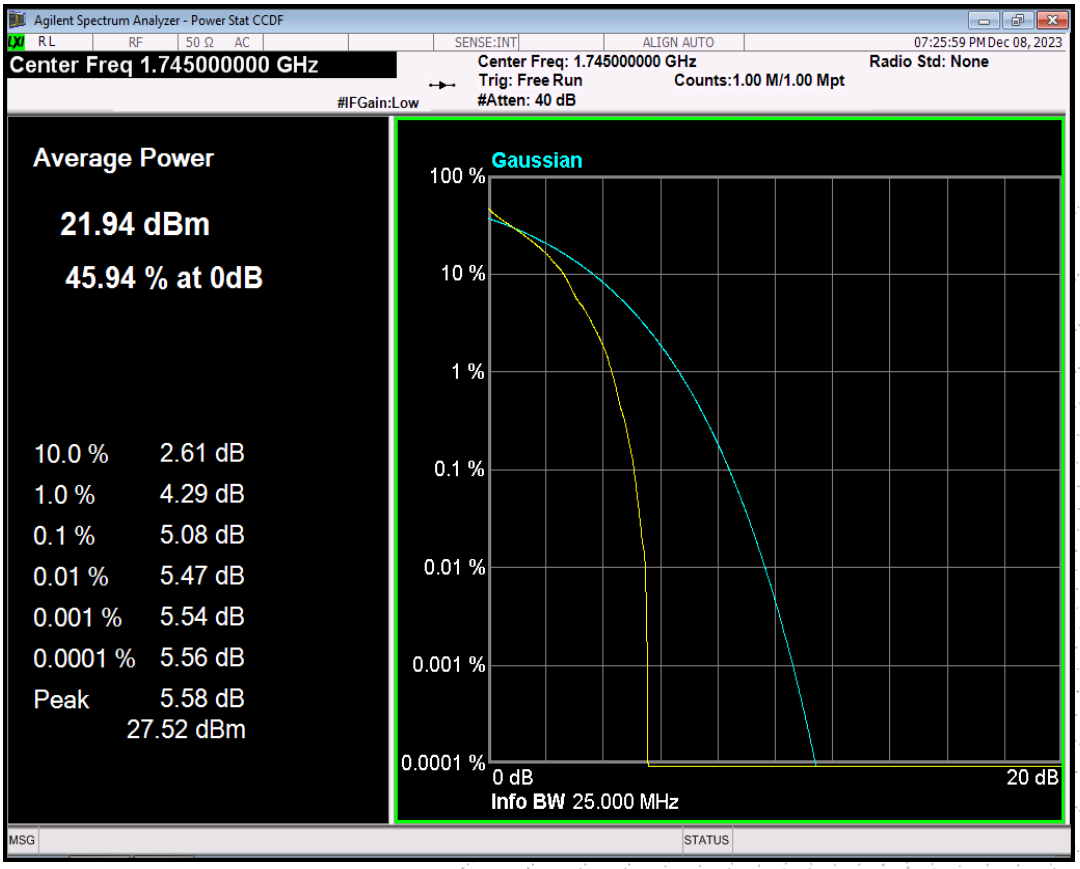
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



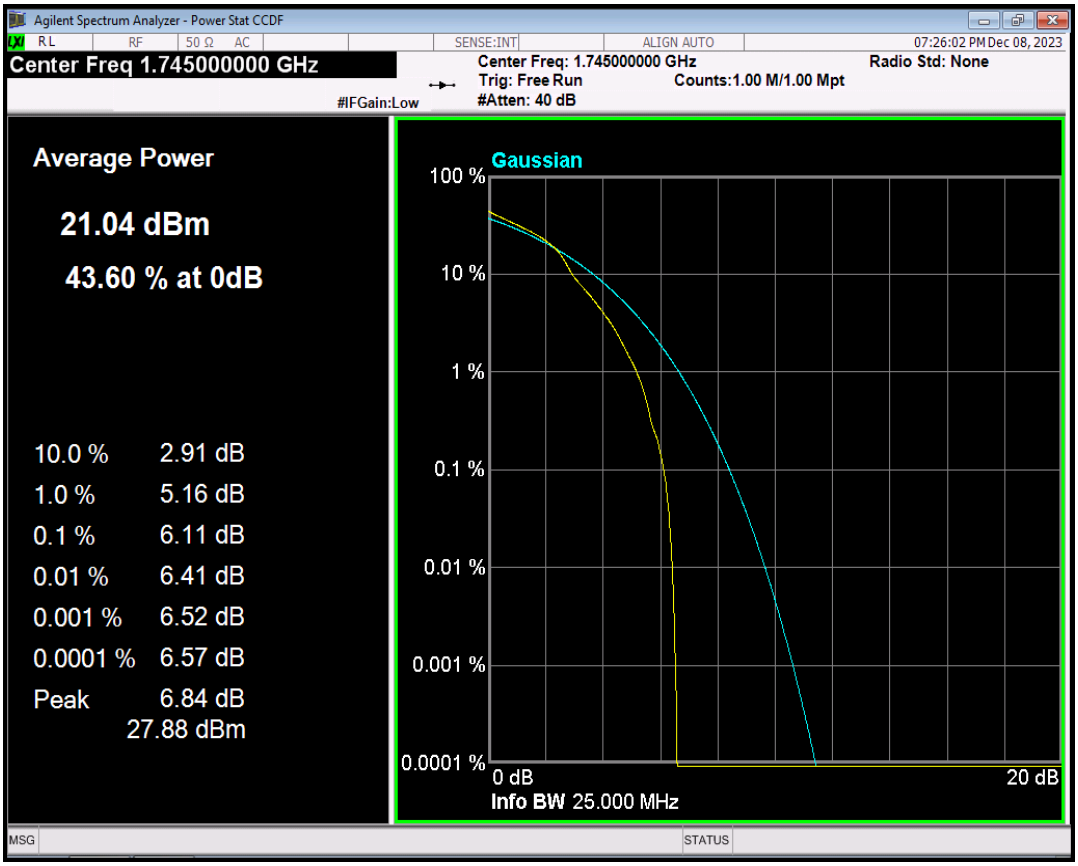
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



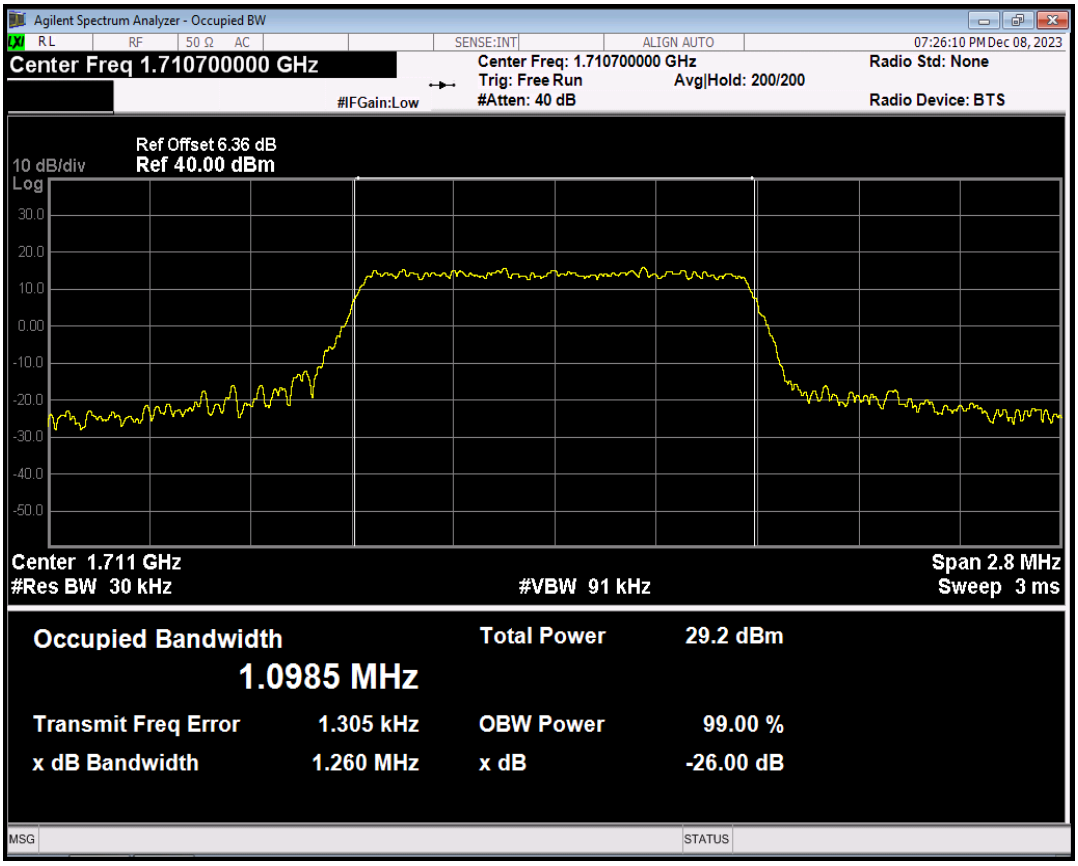
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



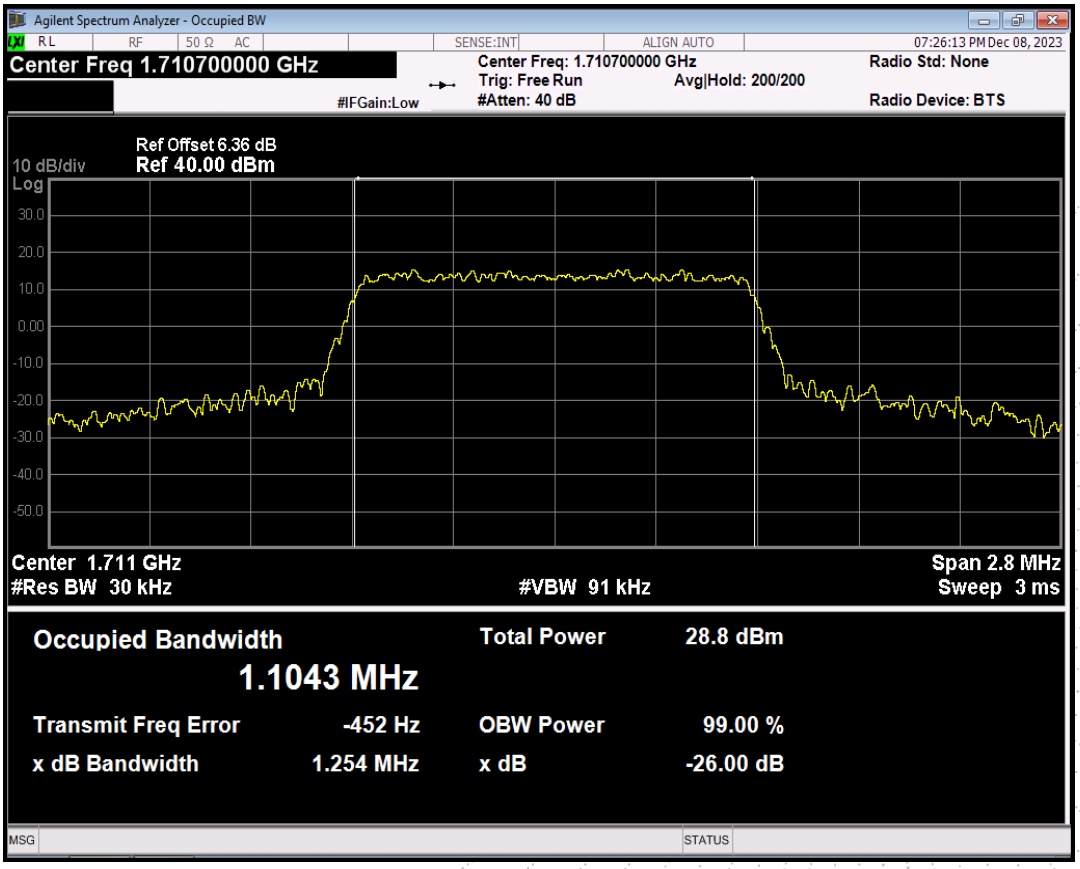
Appendix 4. Occupied bandwidth

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	1.260	PASS
Band4	1.4	19957	6	#0	16QAM	1.104	1.254	PASS
Band4	1.4	20175	6	#0	QPSK	1.094	1.302	PASS
Band4	1.4	20175	6	#0	16QAM	1.091	1.248	PASS
Band4	1.4	20393	6	#0	QPSK	1.095	1.286	PASS
Band4	1.4	20393	6	#0	16QAM	1.100	1.252	PASS
Band4	3	19965	15	#0	QPSK	2.715	3.067	PASS
Band4	3	19965	15	#0	16QAM	2.712	3.038	PASS
Band4	3	20175	15	#0	QPSK	2.710	3.031	PASS
Band4	3	20175	15	#0	16QAM	2.699	3.067	PASS
Band4	3	20385	15	#0	QPSK	2.714	3.030	PASS
Band4	3	20385	15	#0	16QAM	2.723	3.088	PASS
Band4	5	19975	25	#0	QPSK	4.515	4.970	PASS
Band4	5	19975	25	#0	16QAM	4.523	4.963	PASS
Band4	5	20175	25	#0	QPSK	4.518	5.099	PASS
Band4	5	20175	25	#0	16QAM	4.545	5.234	PASS
Band4	5	20375	25	#0	QPSK	4.520	5.048	PASS
Band4	5	20375	25	#0	16QAM	4.517	5.300	PASS
Band4	10	20000	50	#0	QPSK	9.014	9.980	PASS
Band4	10	20000	50	#0	16QAM	9.002	10.052	PASS
Band4	10	20175	50	#0	QPSK	8.967	9.816	PASS
Band4	10	20175	50	#0	16QAM	8.972	9.844	PASS
Band4	10	20350	50	#0	QPSK	9.016	10.390	PASS
Band4	10	20350	50	#0	16QAM	9.032	10.054	PASS
Band4	15	20025	75	#0	QPSK	13.452	15.081	PASS
Band4	15	20025	75	#0	16QAM	13.468	14.716	PASS
Band4	15	20175	75	#0	QPSK	13.423	14.965	PASS
Band4	15	20175	75	#0	16QAM	13.462	15.199	PASS
Band4	15	20325	75	#0	QPSK	13.495	15.027	PASS
Band4	15	20325	75	#0	16QAM	13.491	14.825	PASS
Band4	20	20050	100	#0	QPSK	18.019	20.007	PASS
Band4	20	20050	100	#0	16QAM	18.004	19.942	PASS
Band4	20	20175	100	#0	QPSK	17.987	19.887	PASS
Band4	20	20175	100	#0	16QAM	18.055	19.749	PASS
Band4	20	20300	100	#0	QPSK	18.048	19.834	PASS
Band4	20	20300	100	#0	16QAM	18.034	20.525	PASS

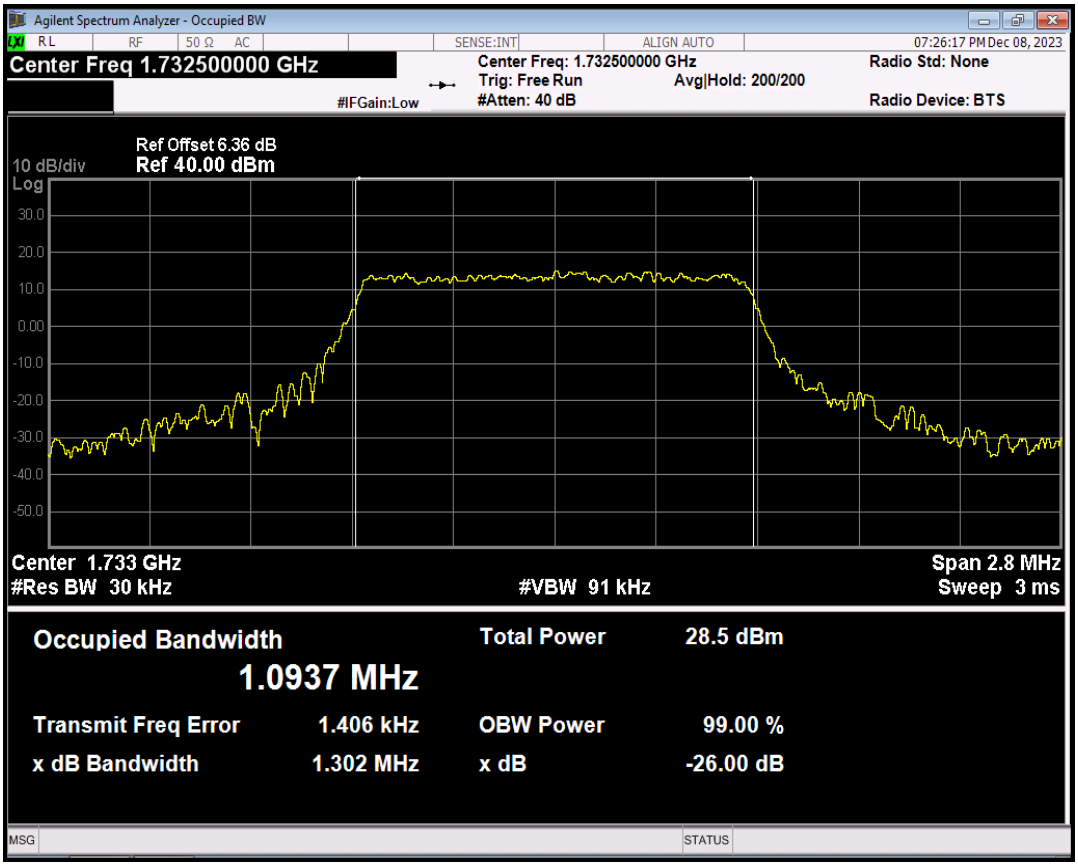
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



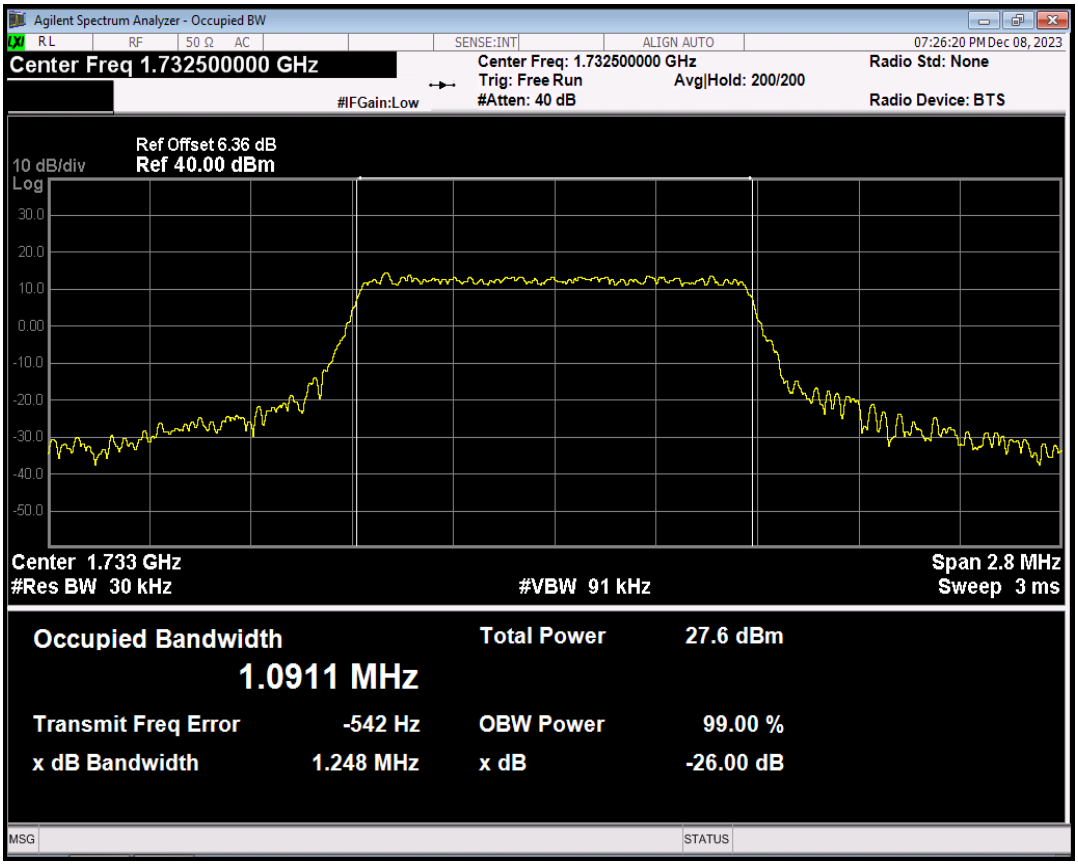
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



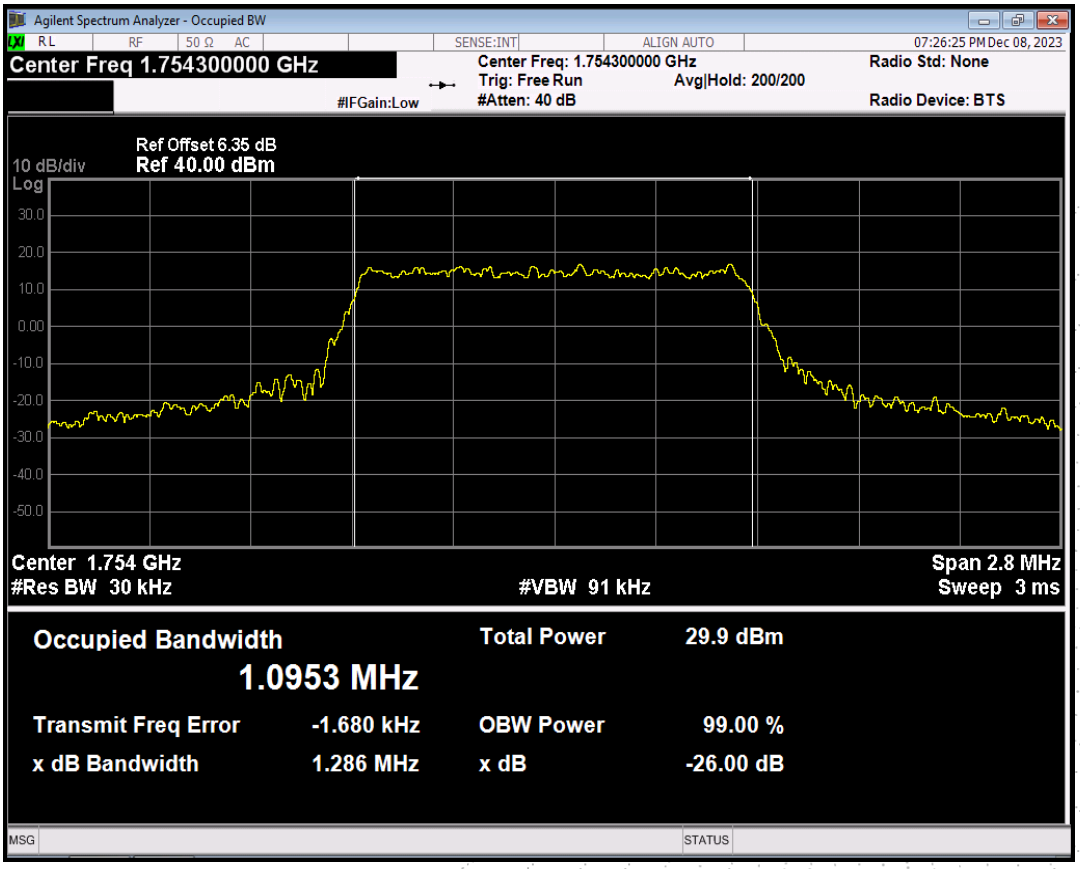
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



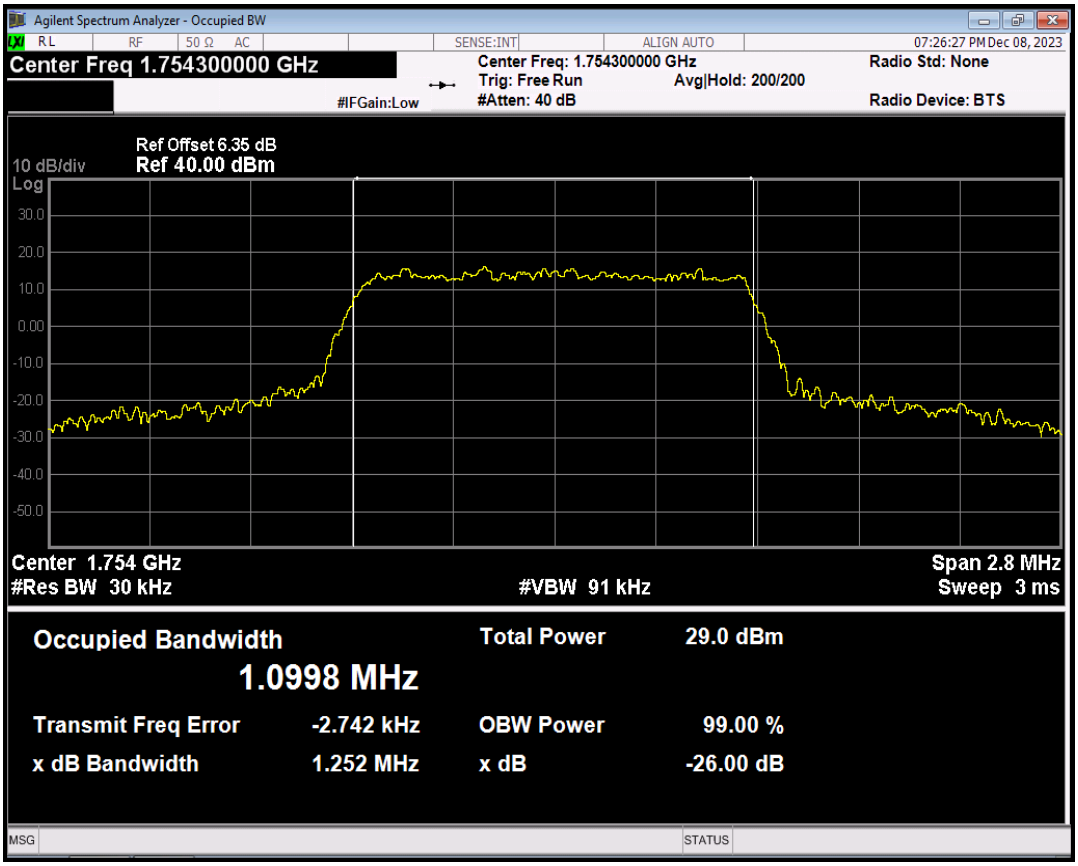
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



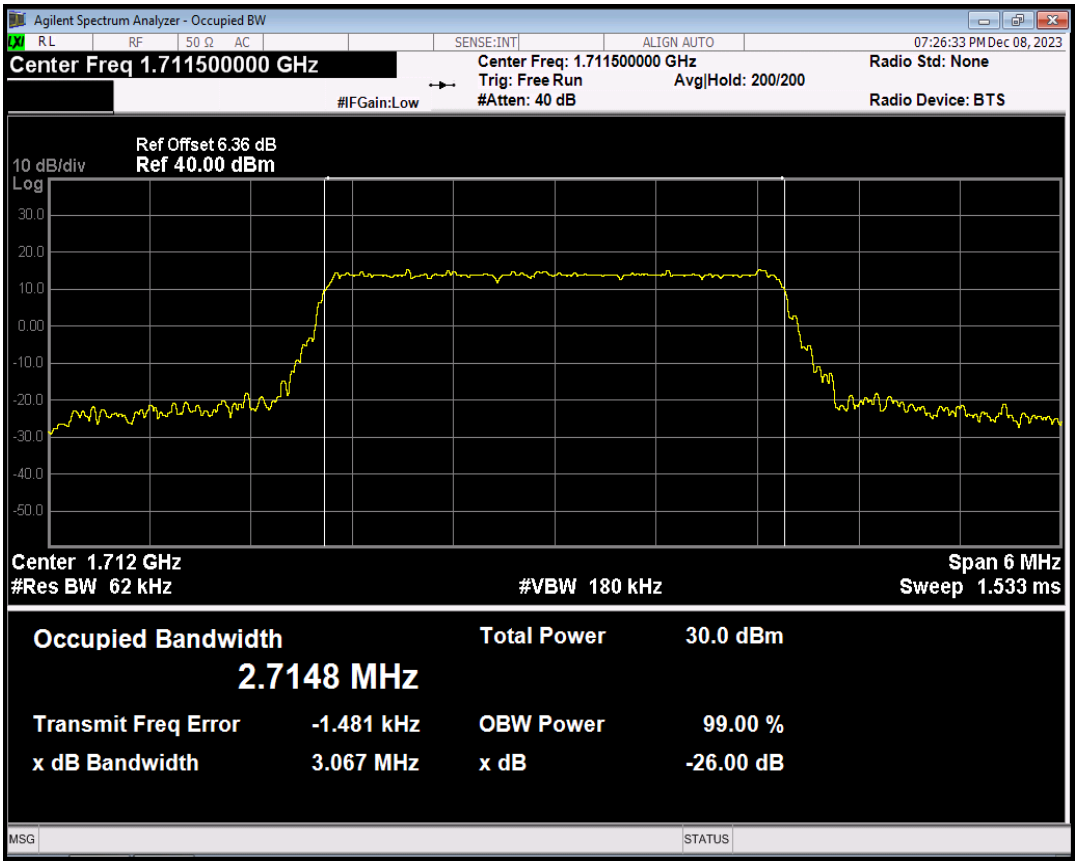
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



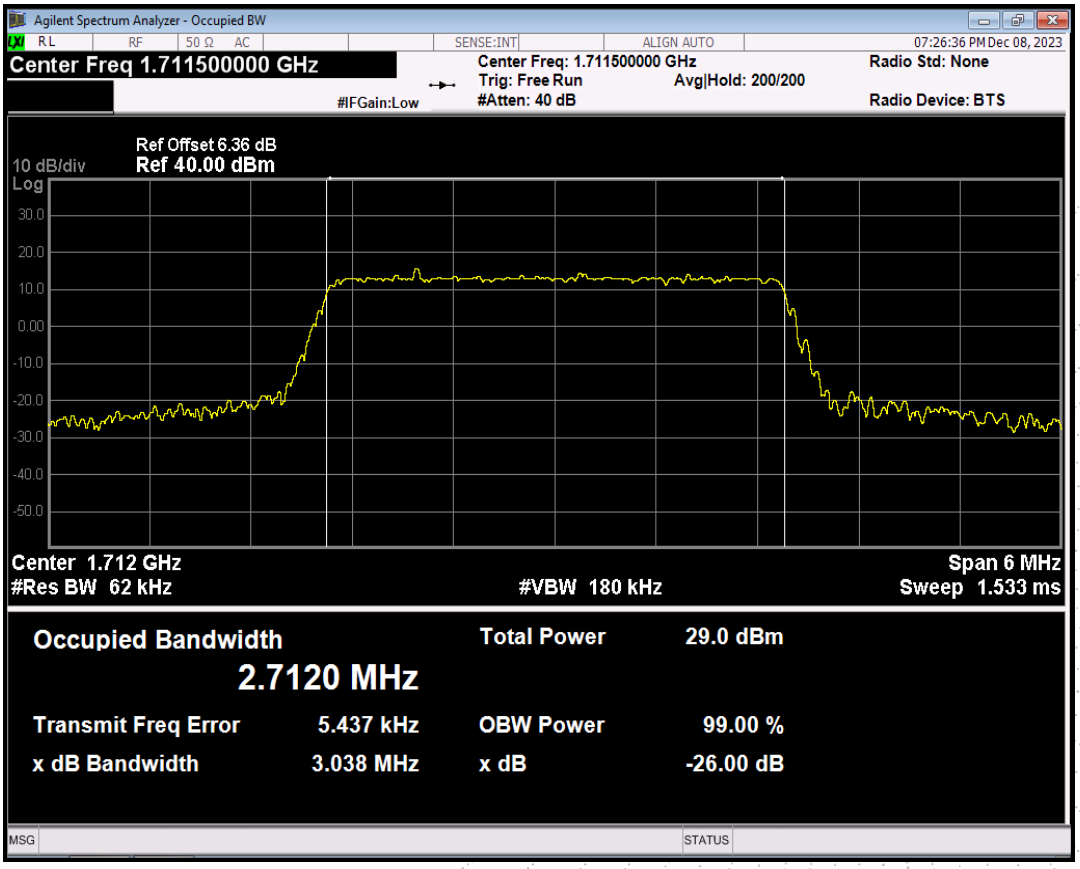
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



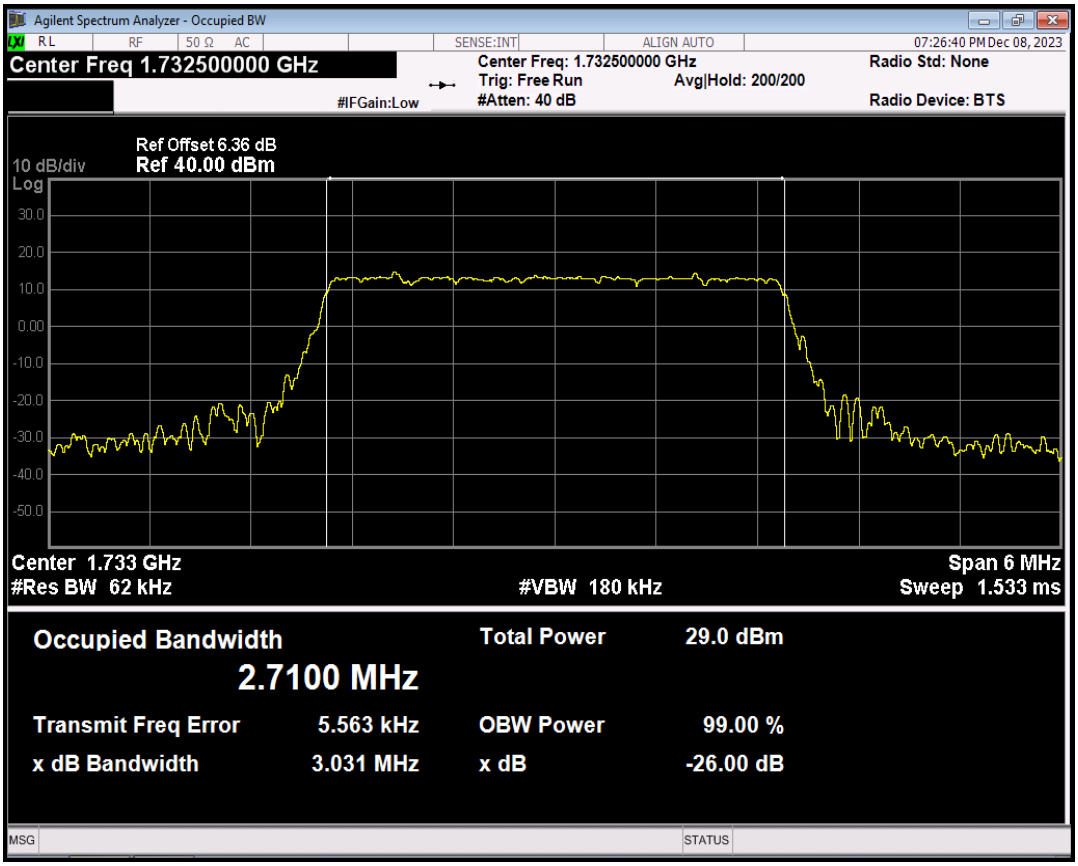
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



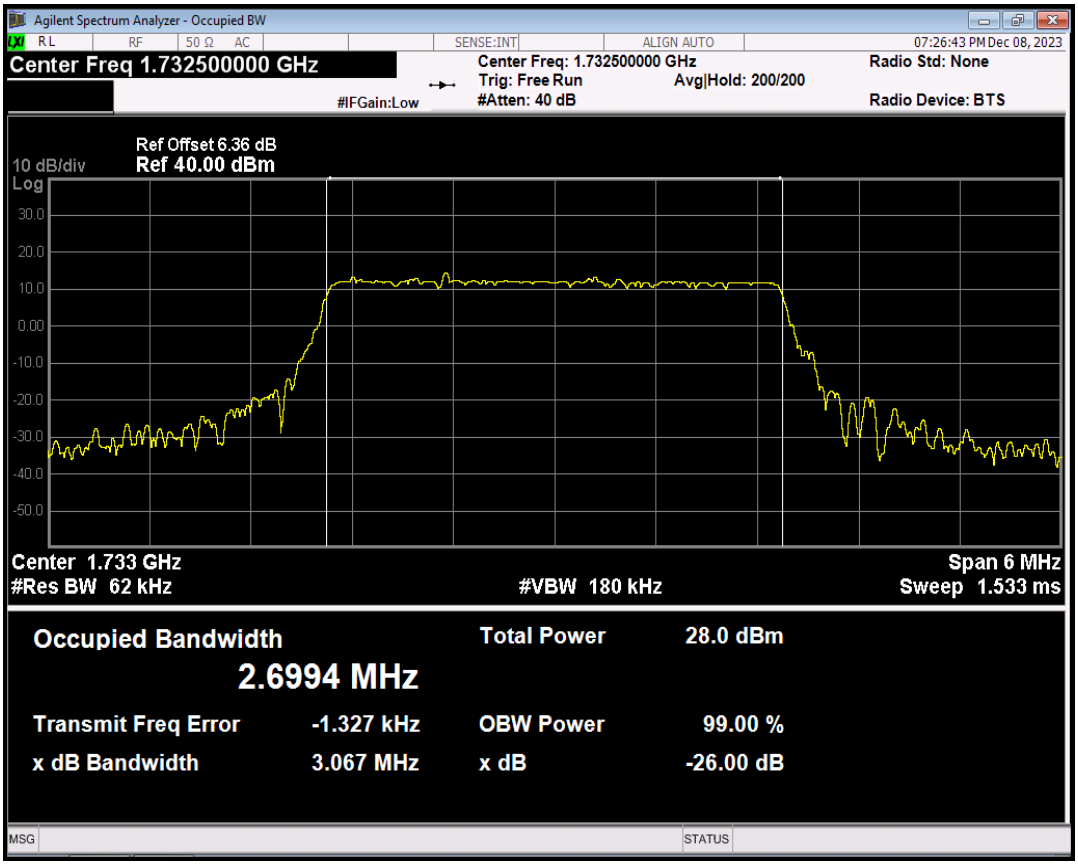
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



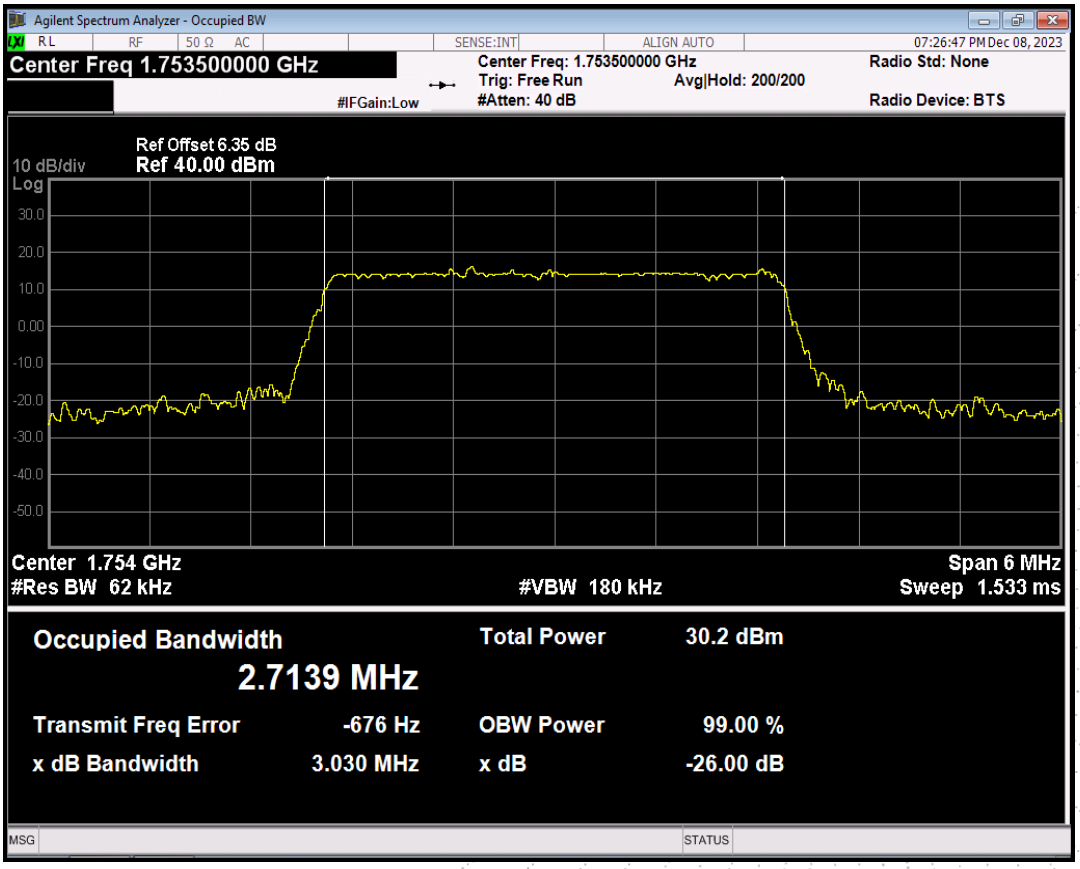
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



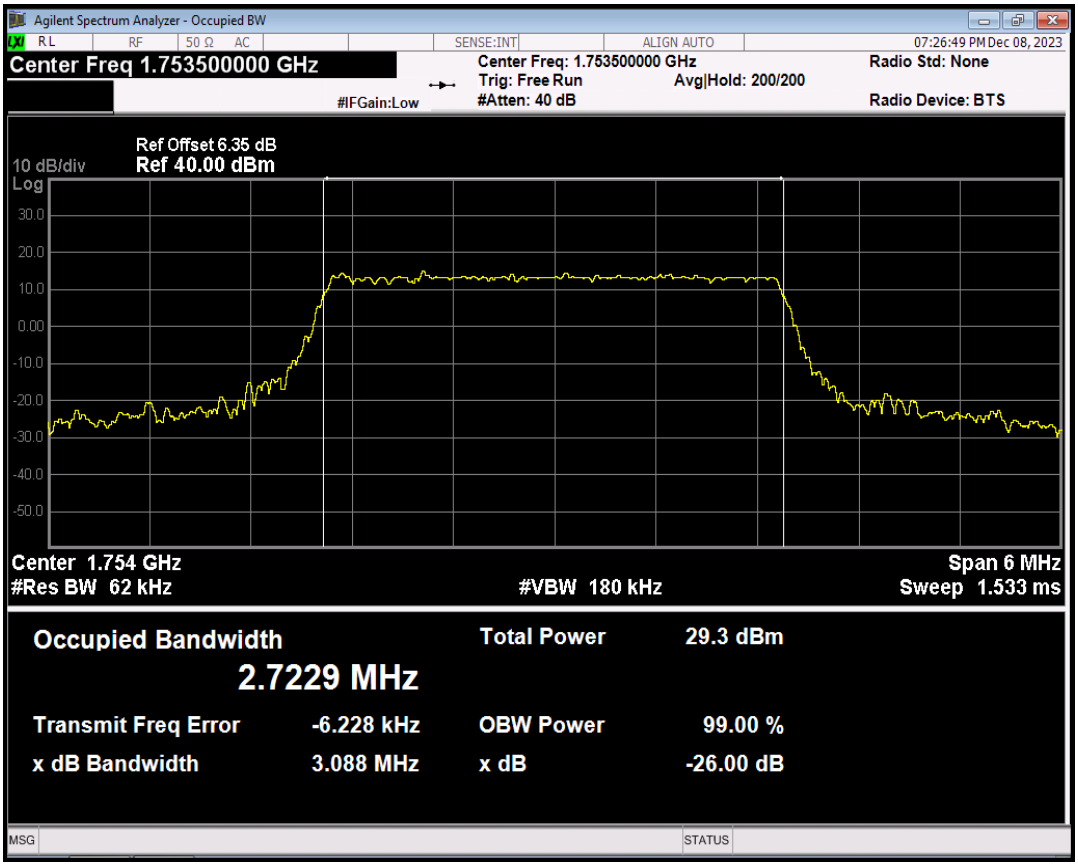
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



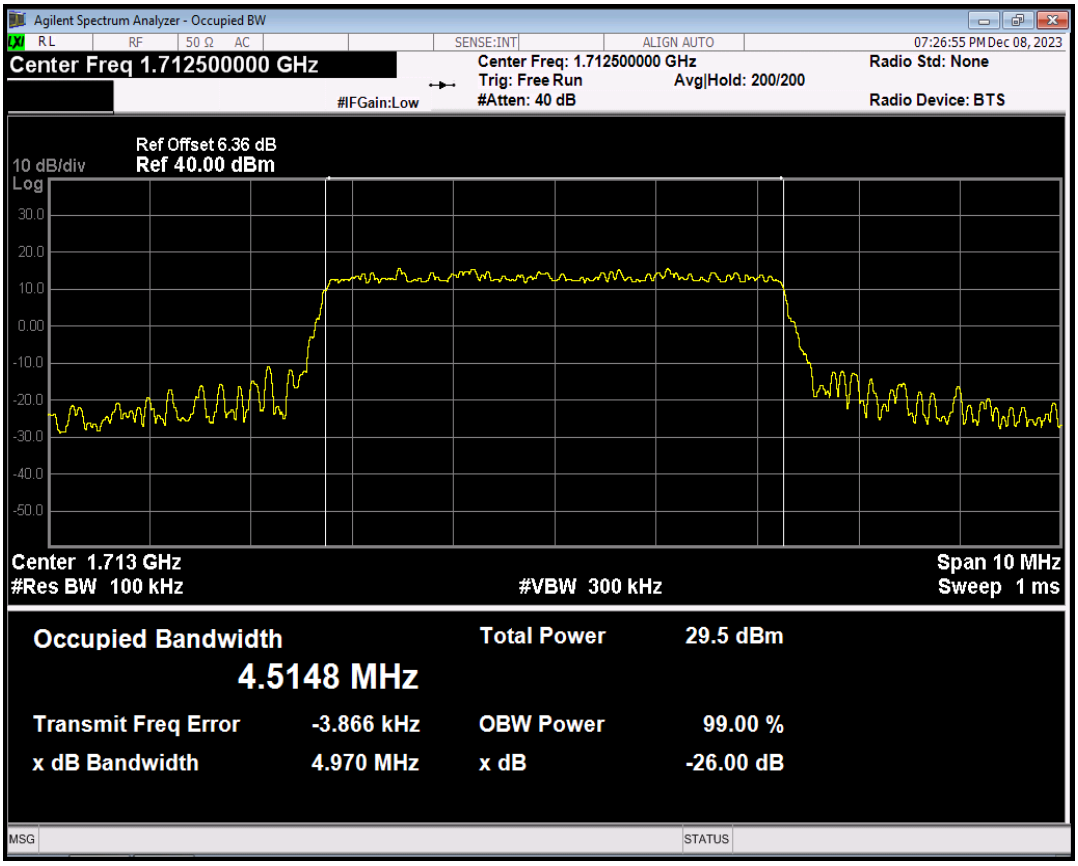
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



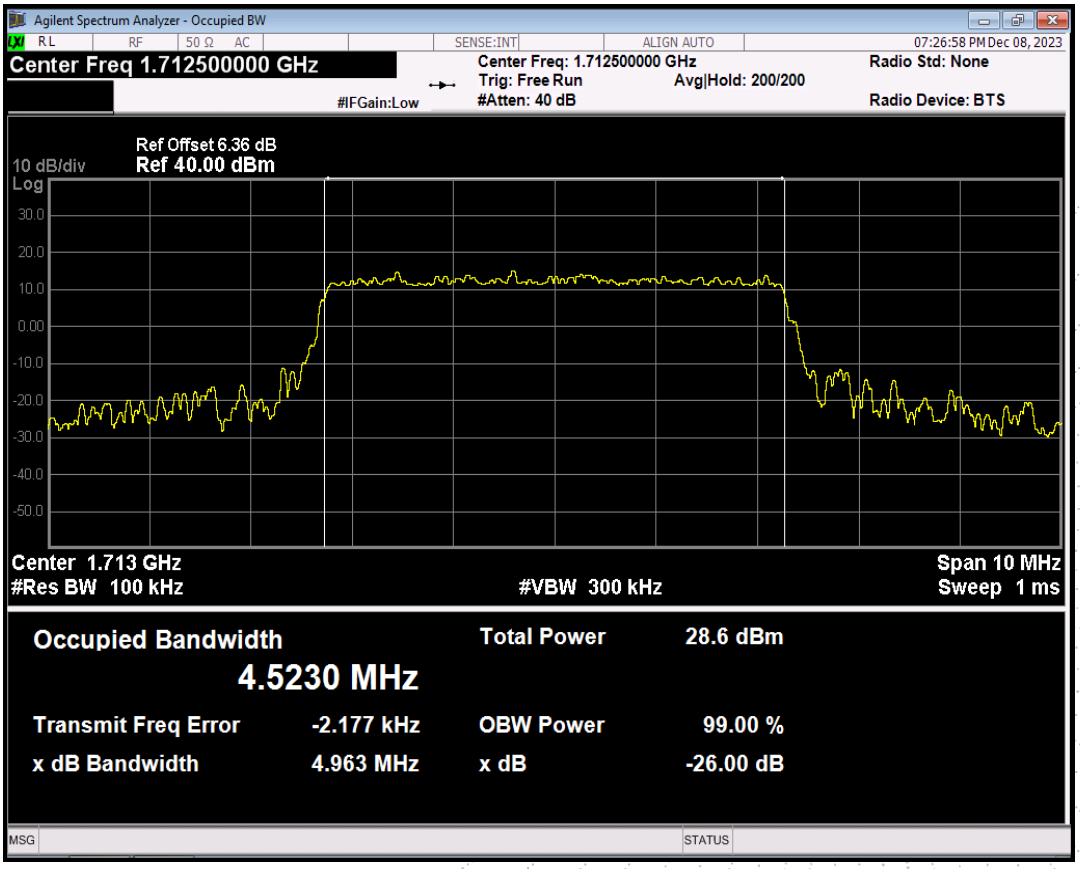
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



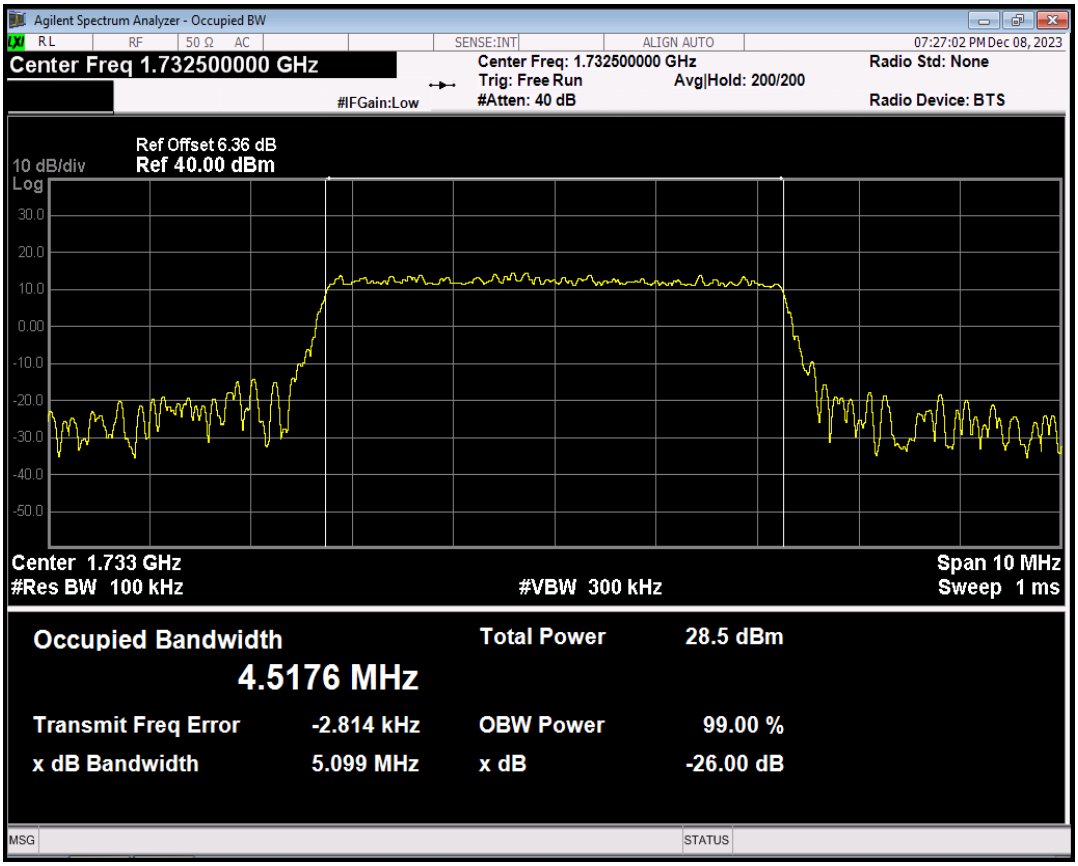
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



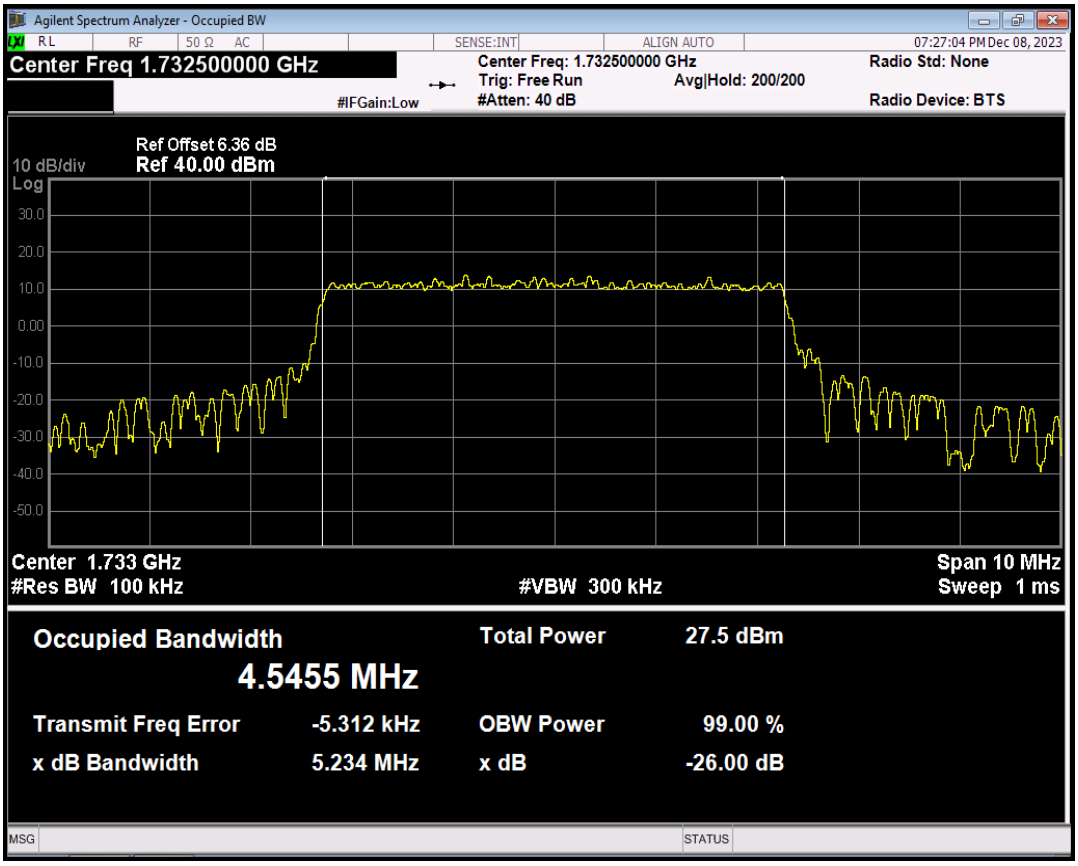
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



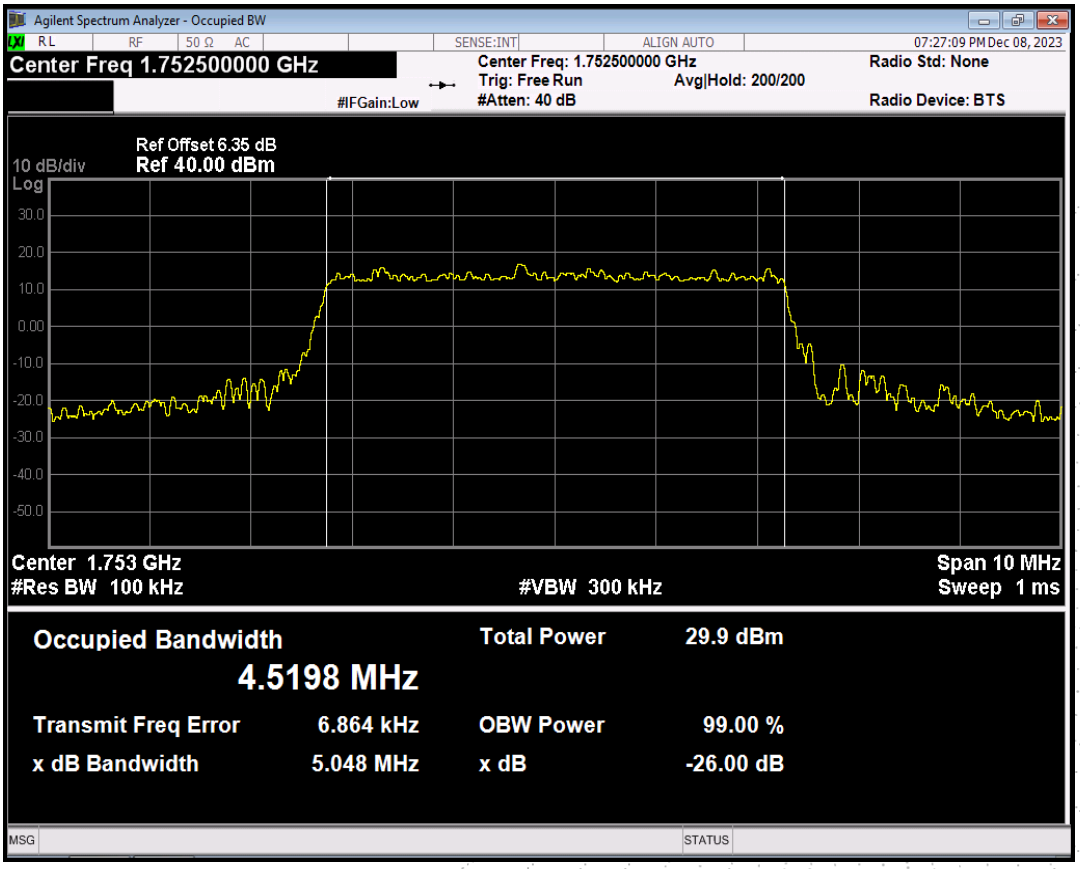
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



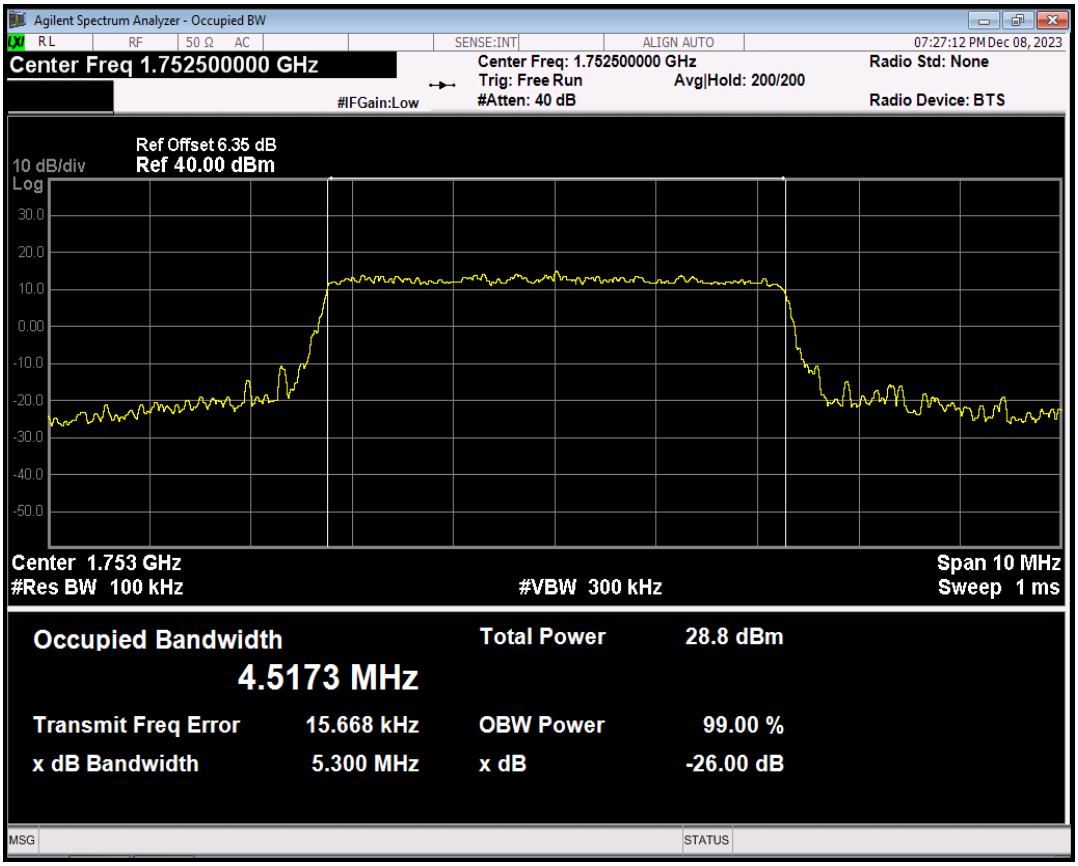
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



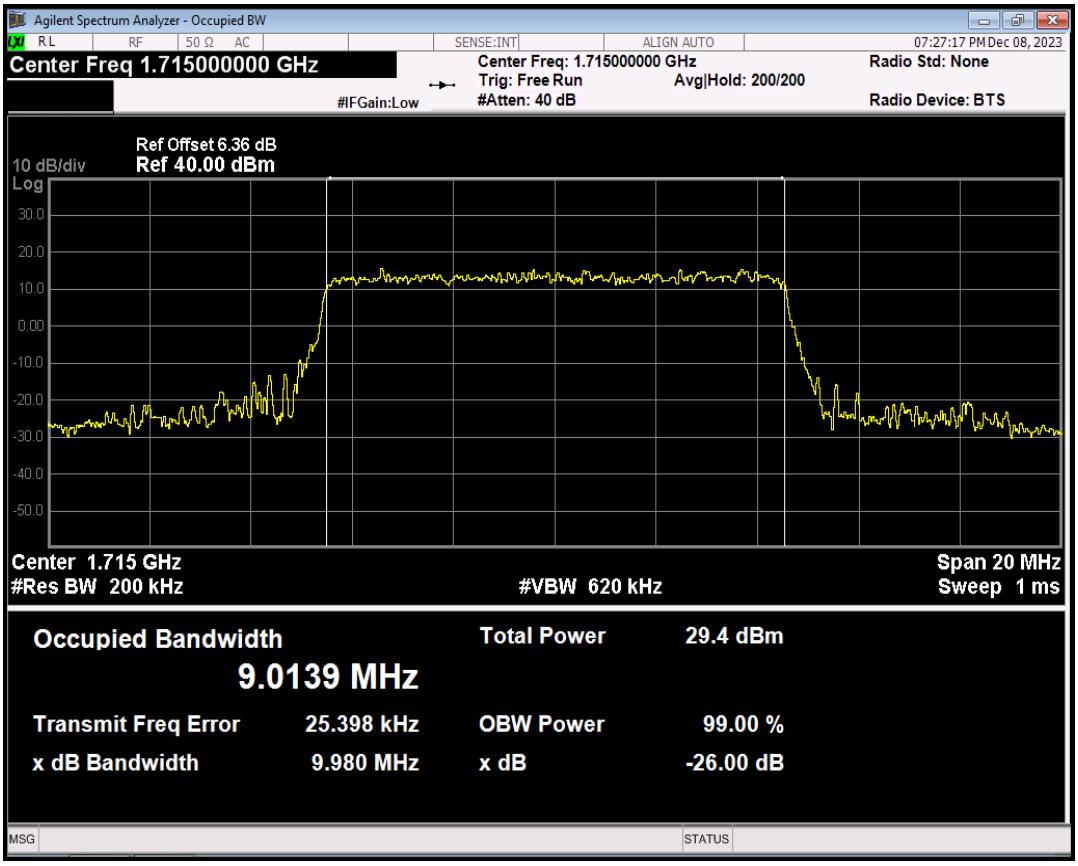
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



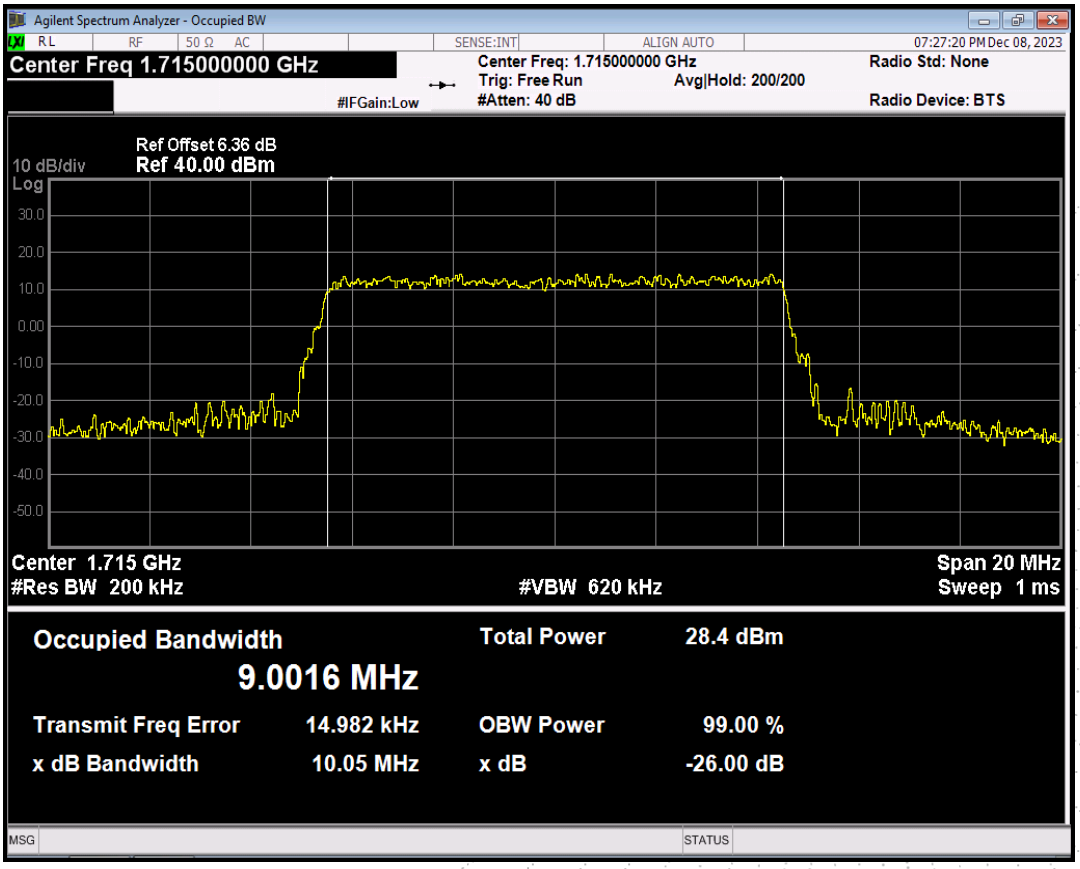
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



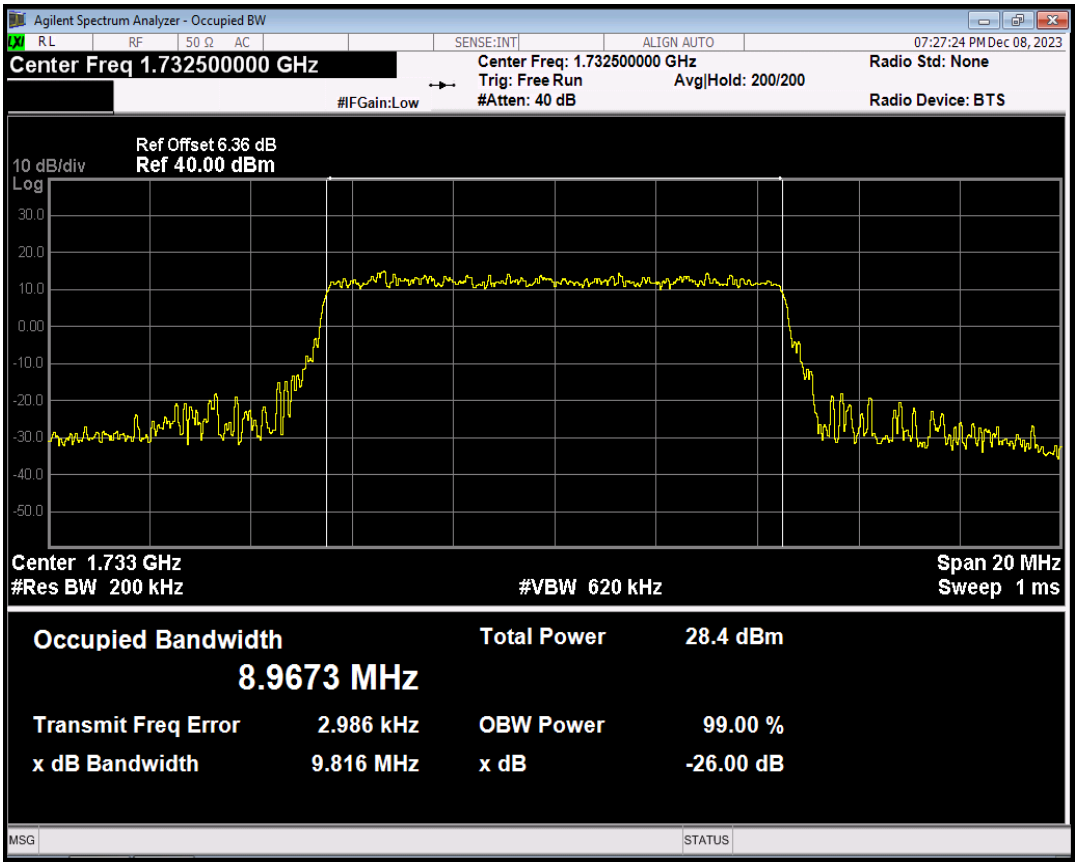
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



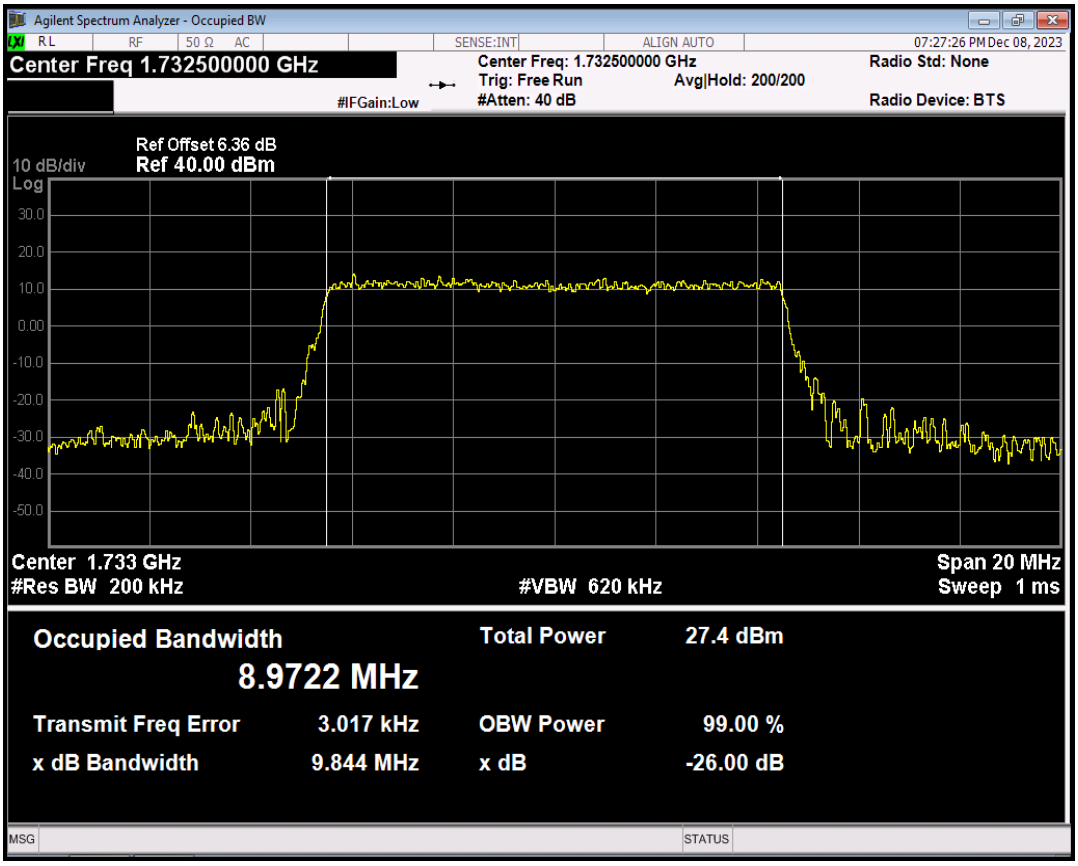
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



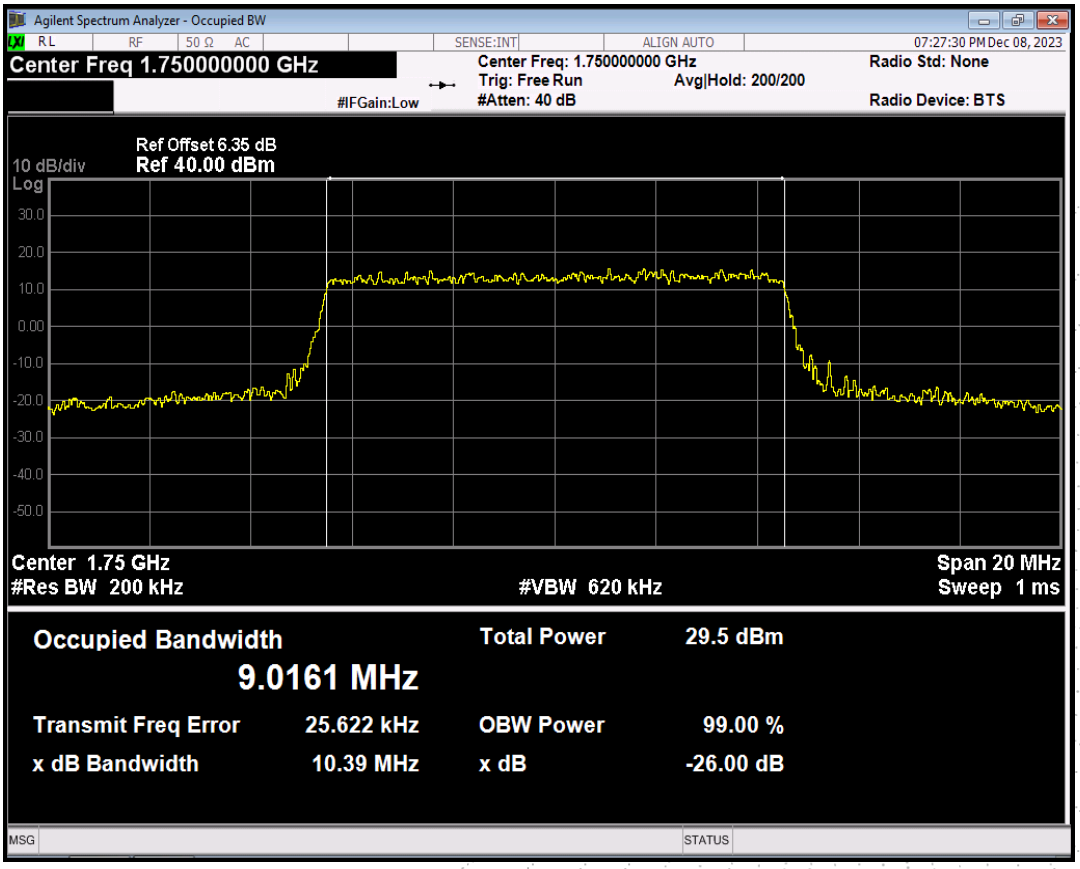
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



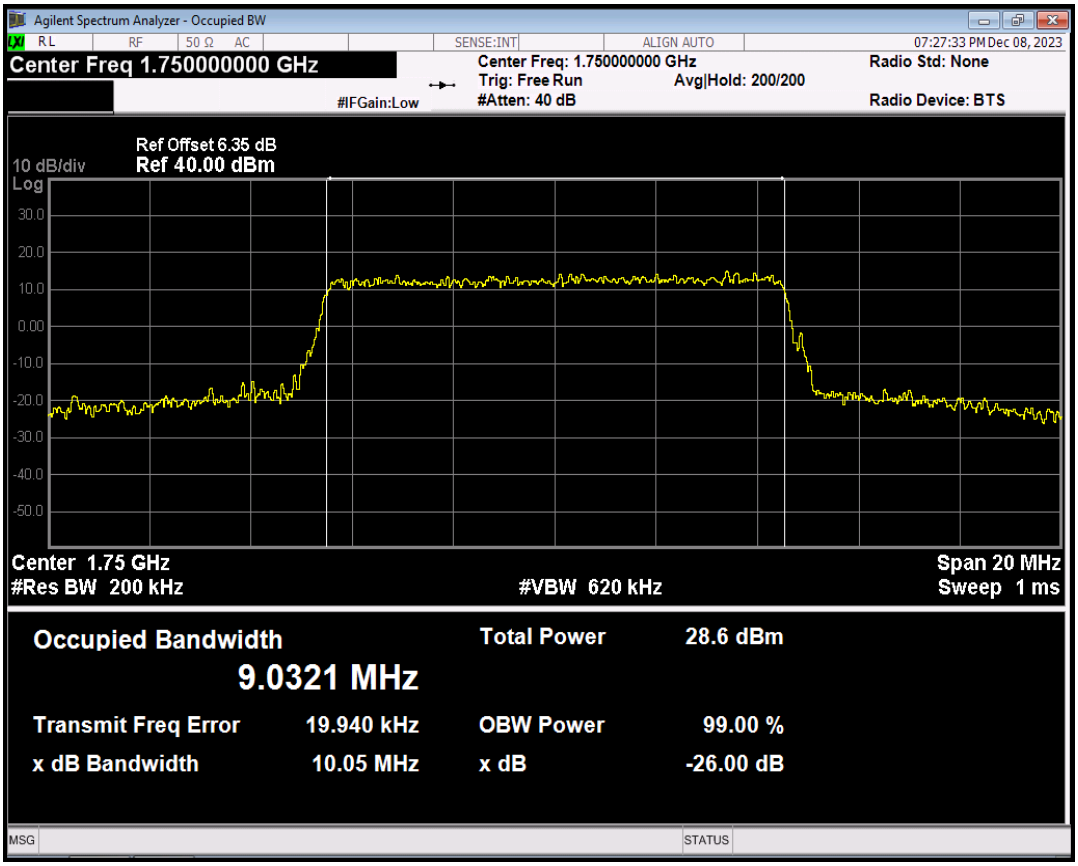
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



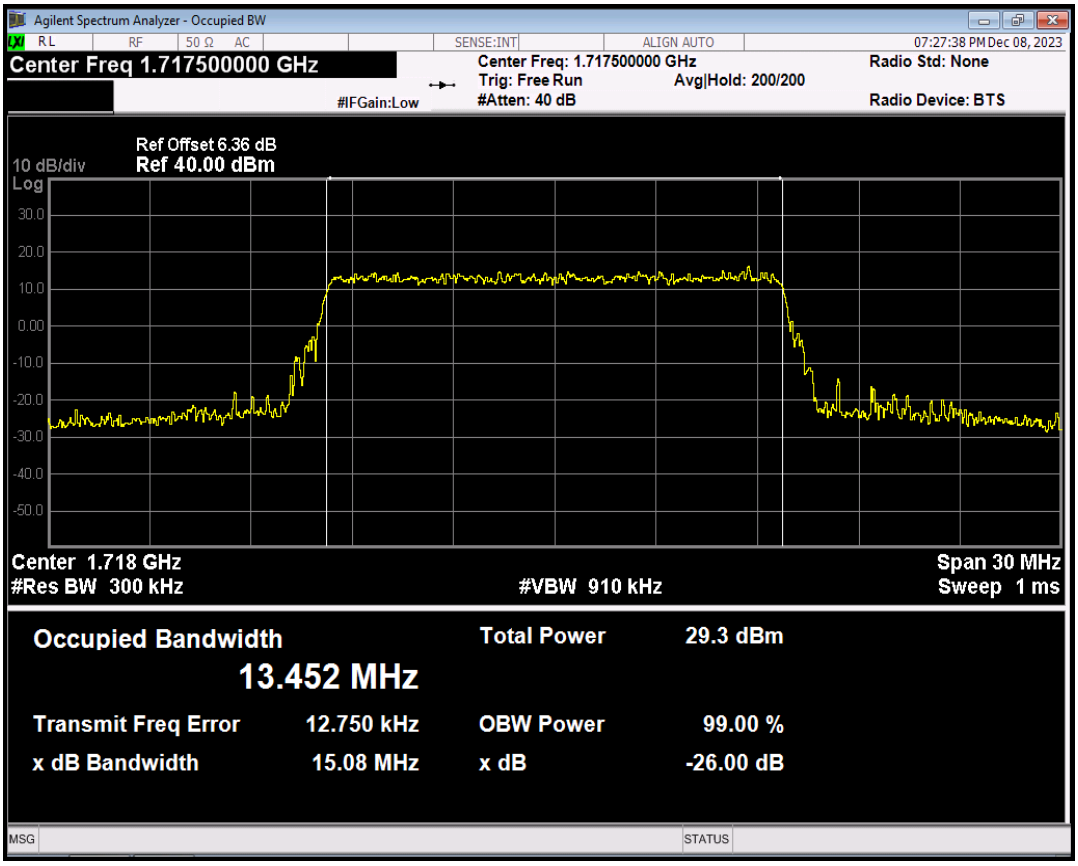
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



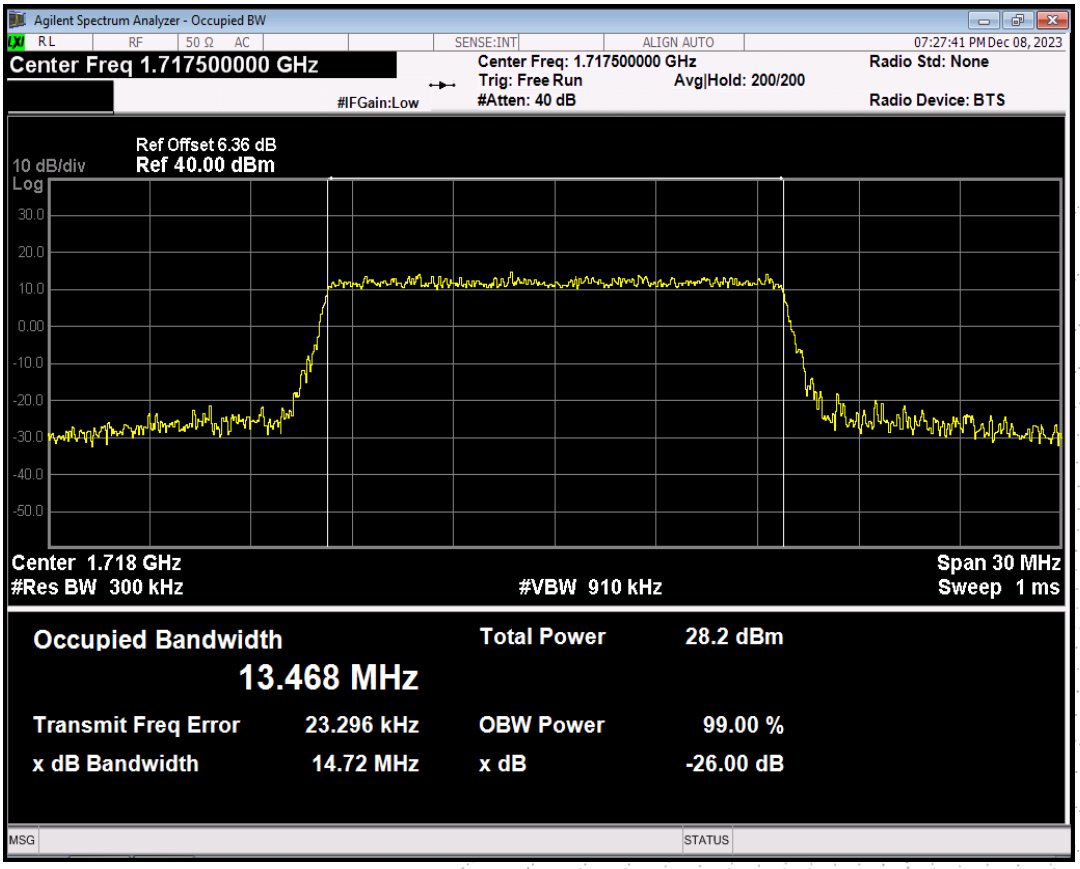
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



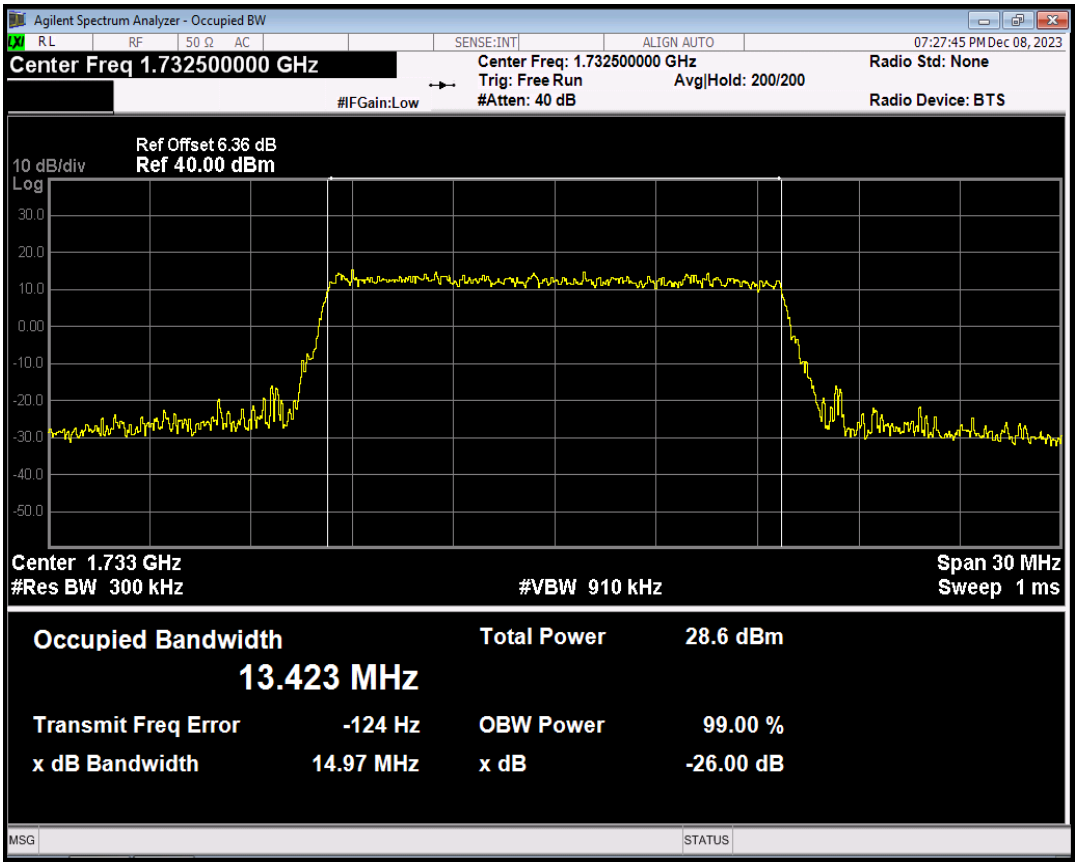
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



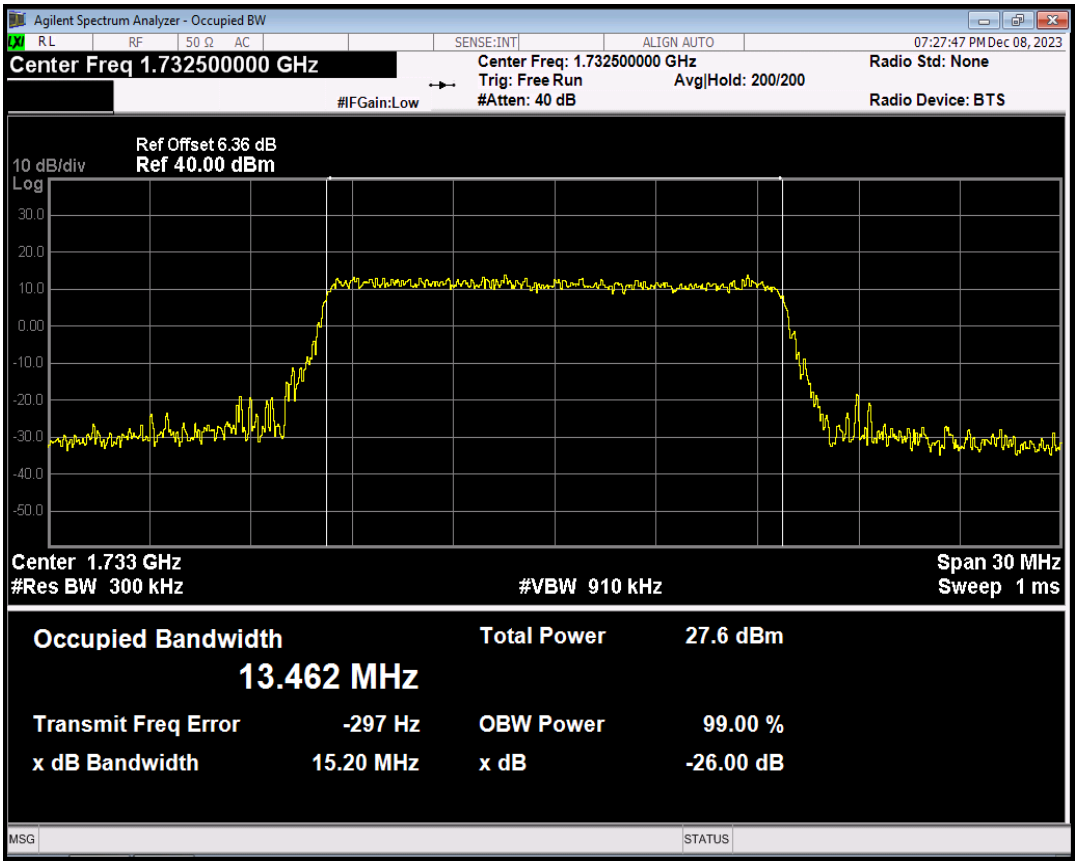
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



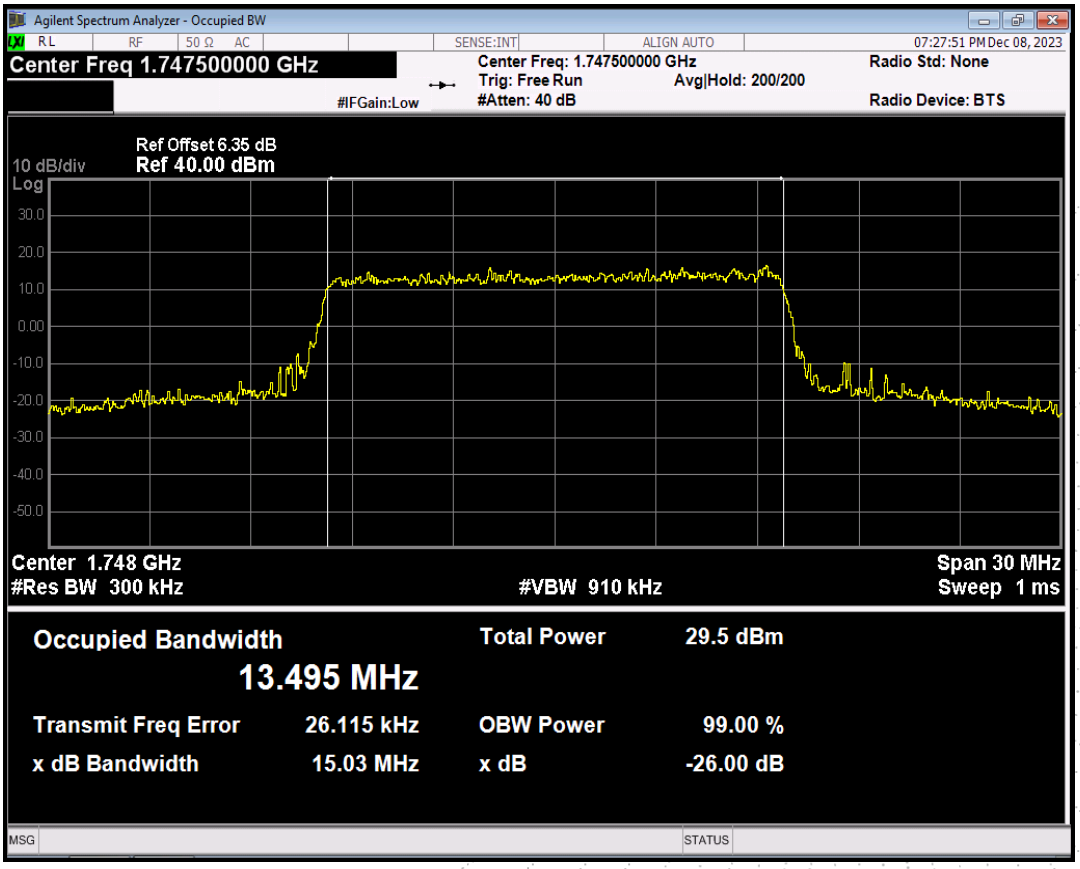
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



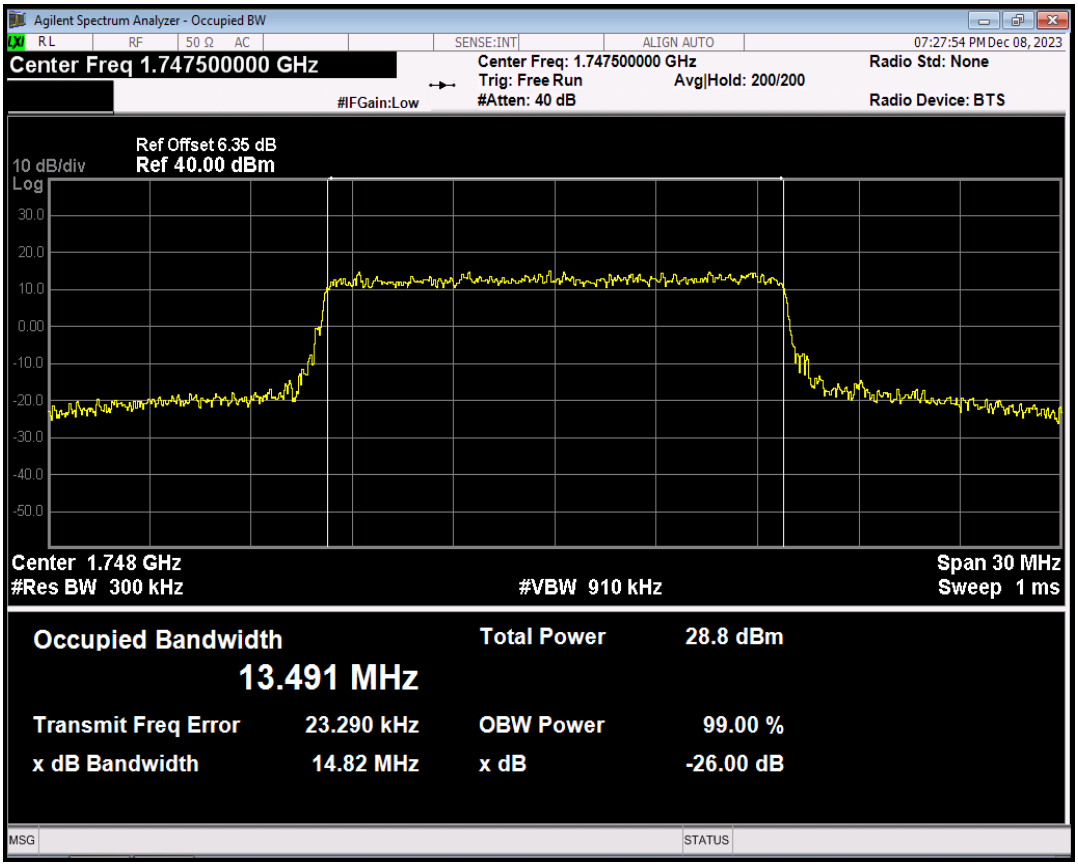
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



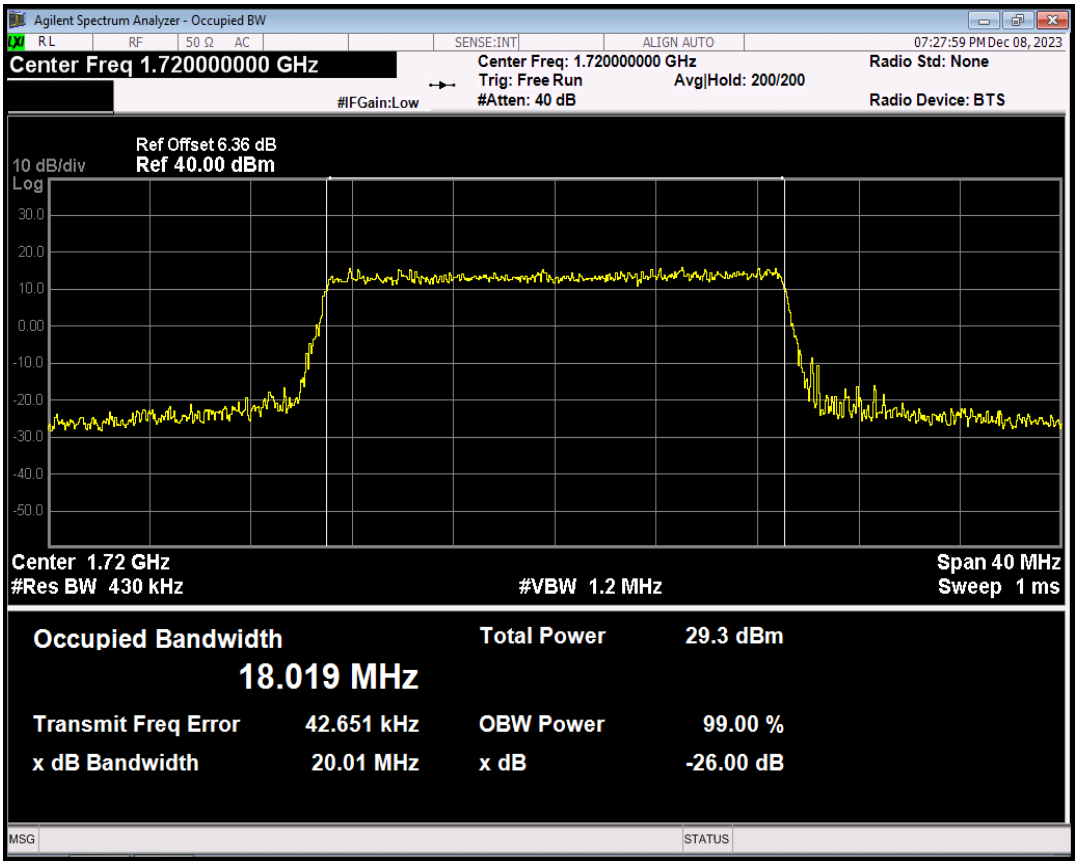
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



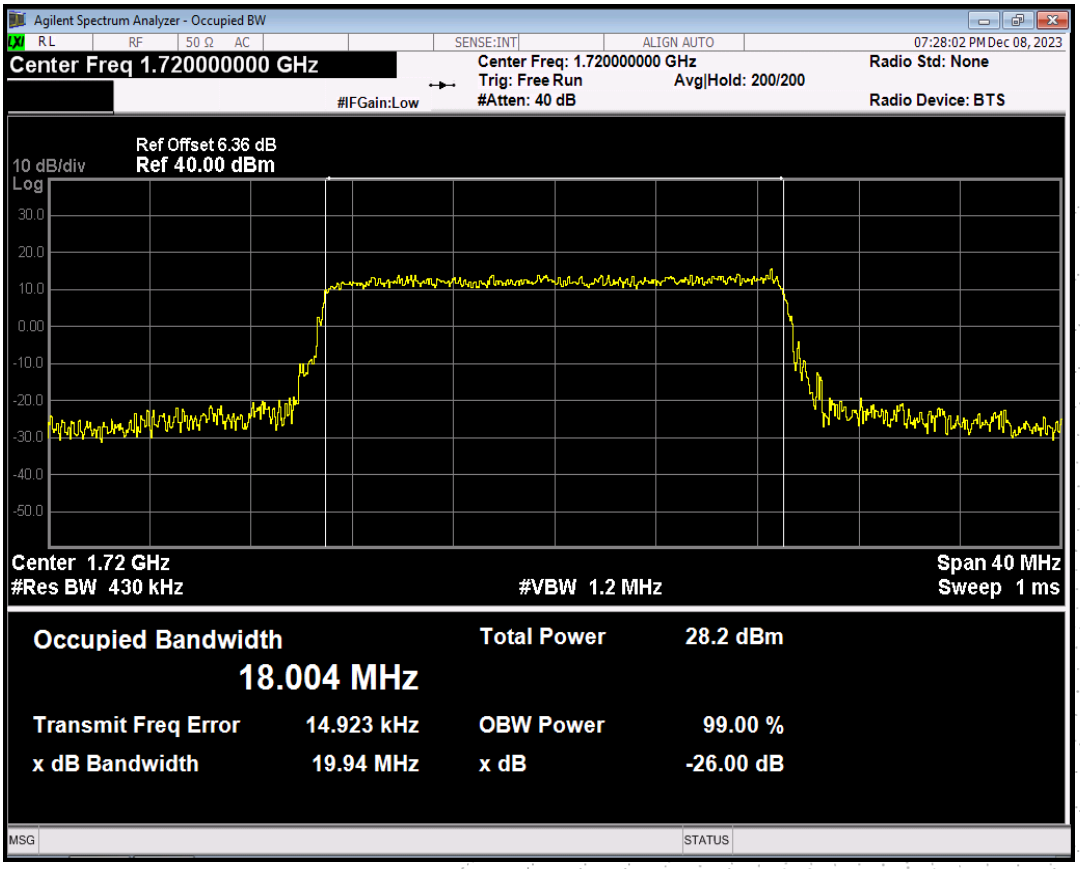
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



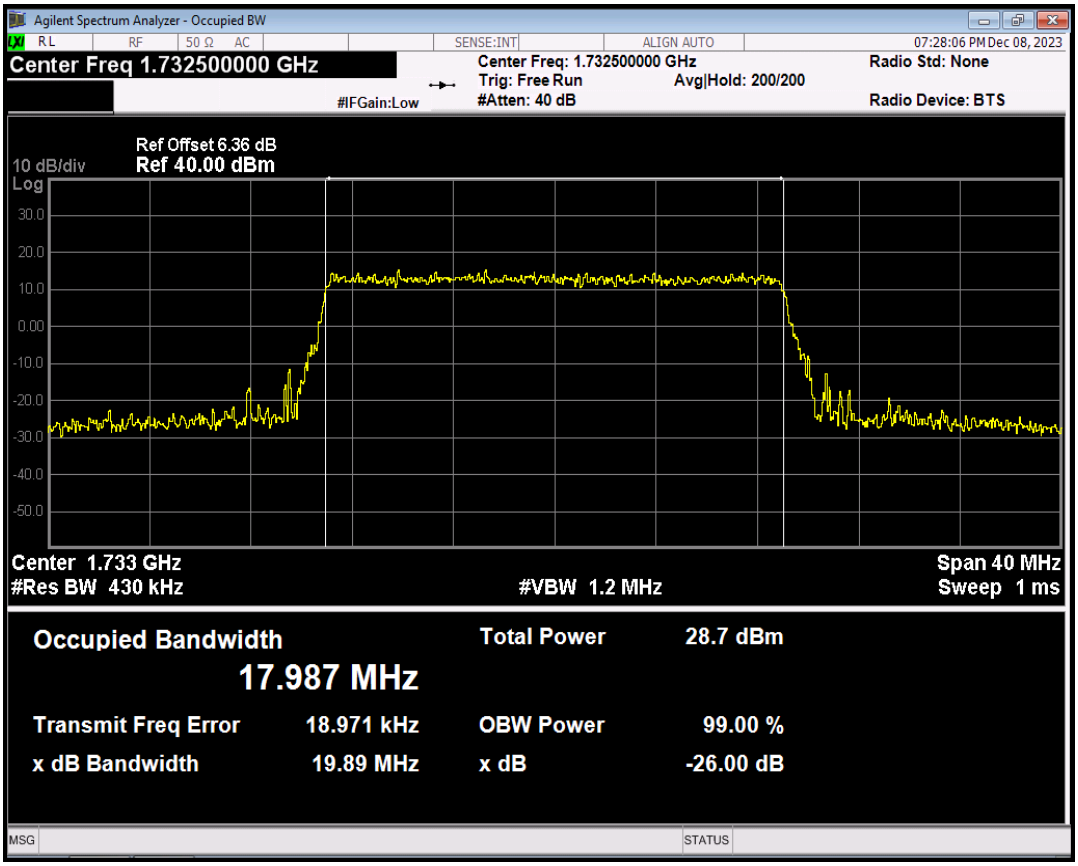
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



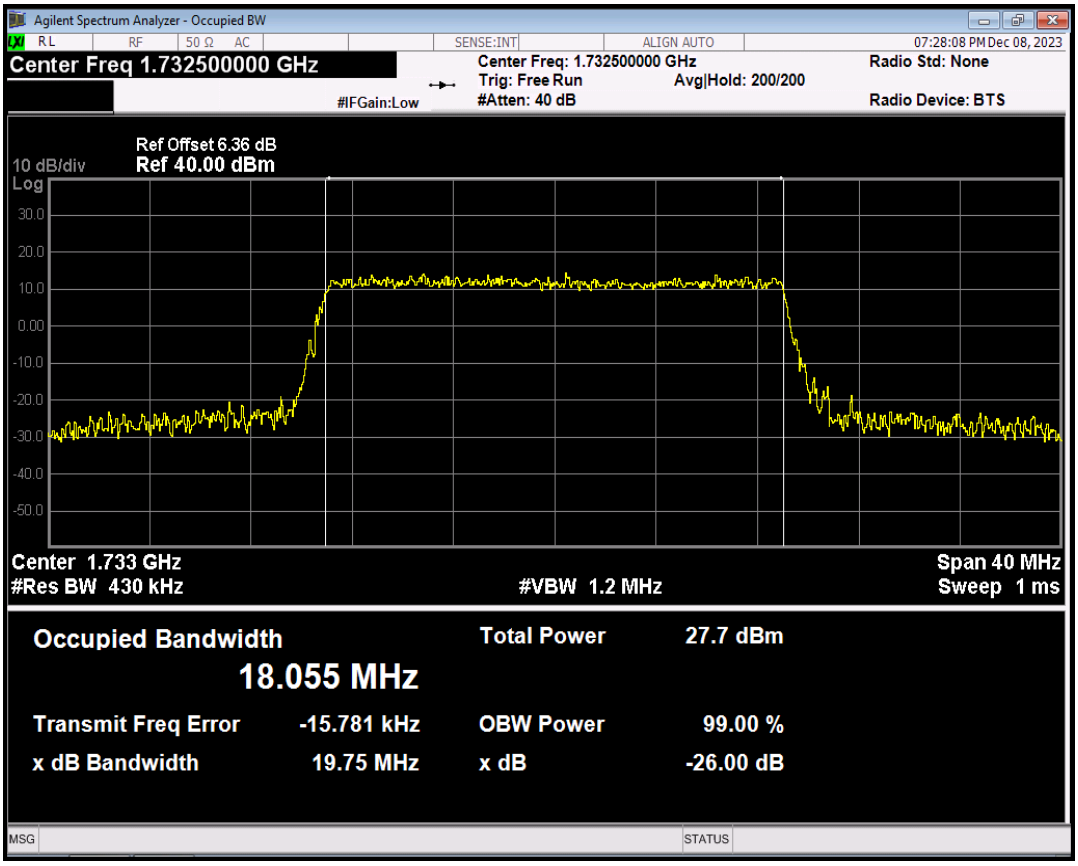
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



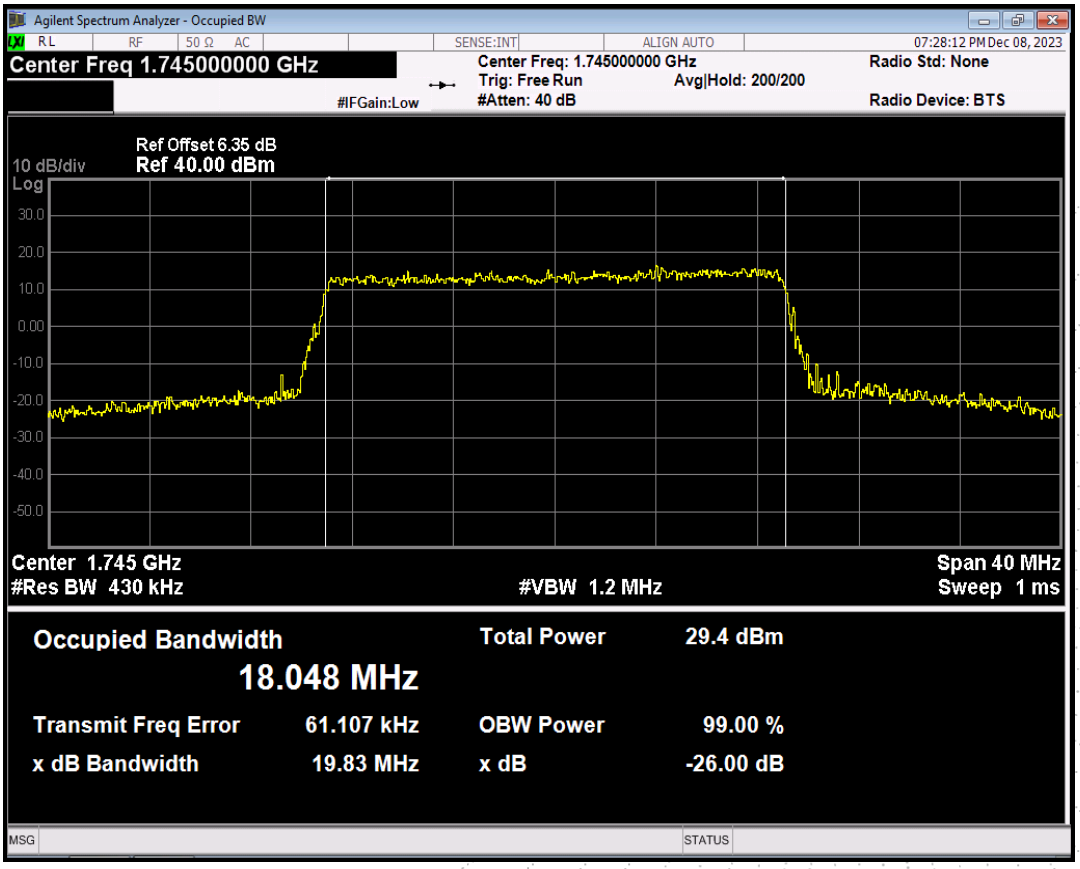
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



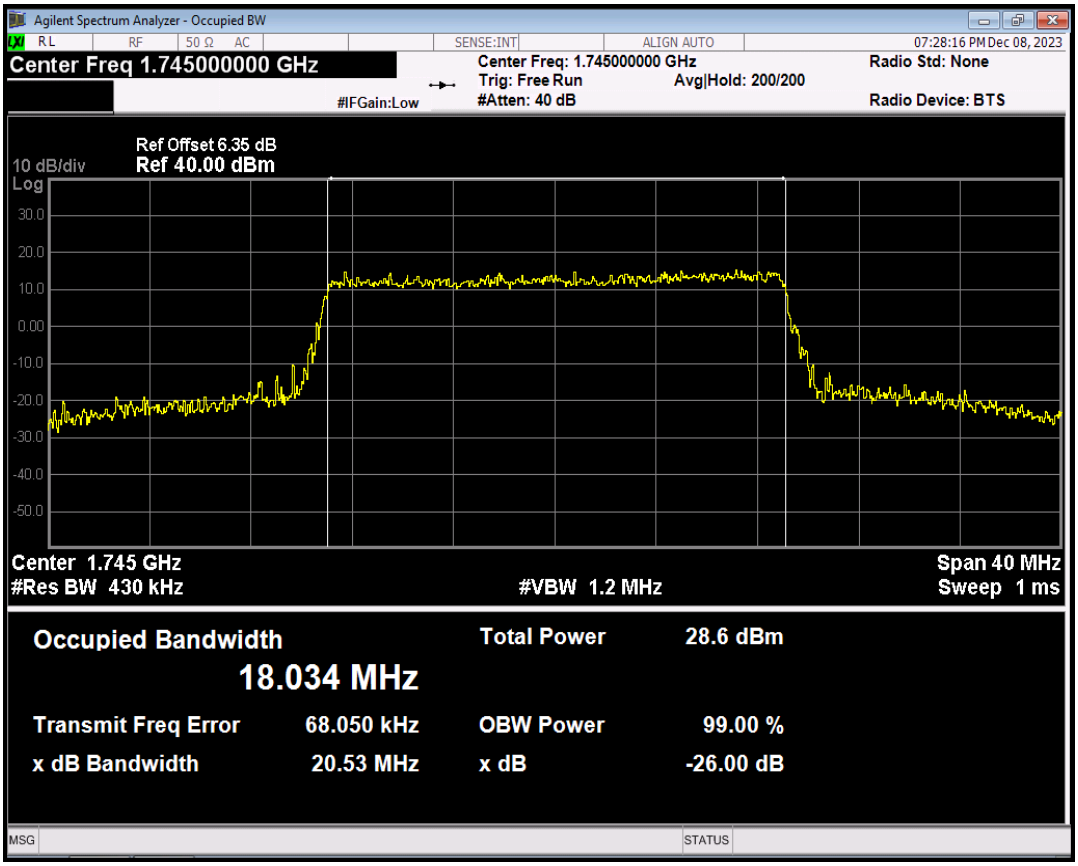
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



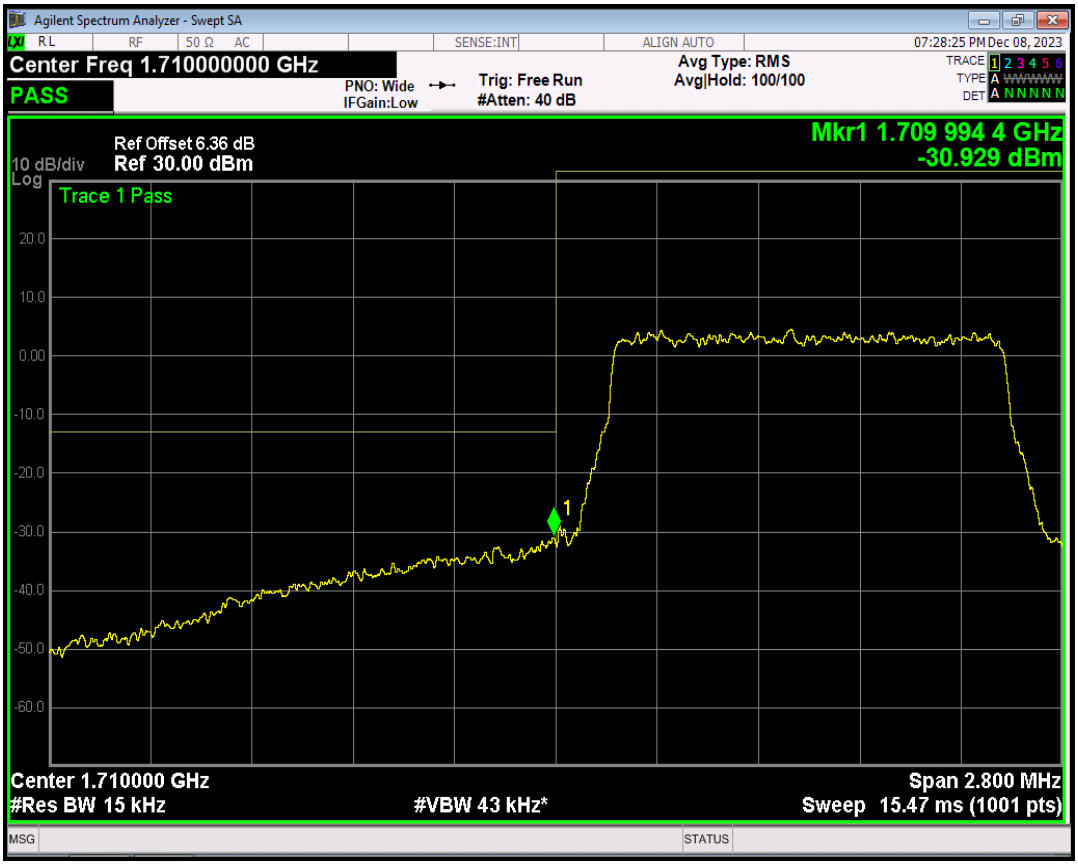
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



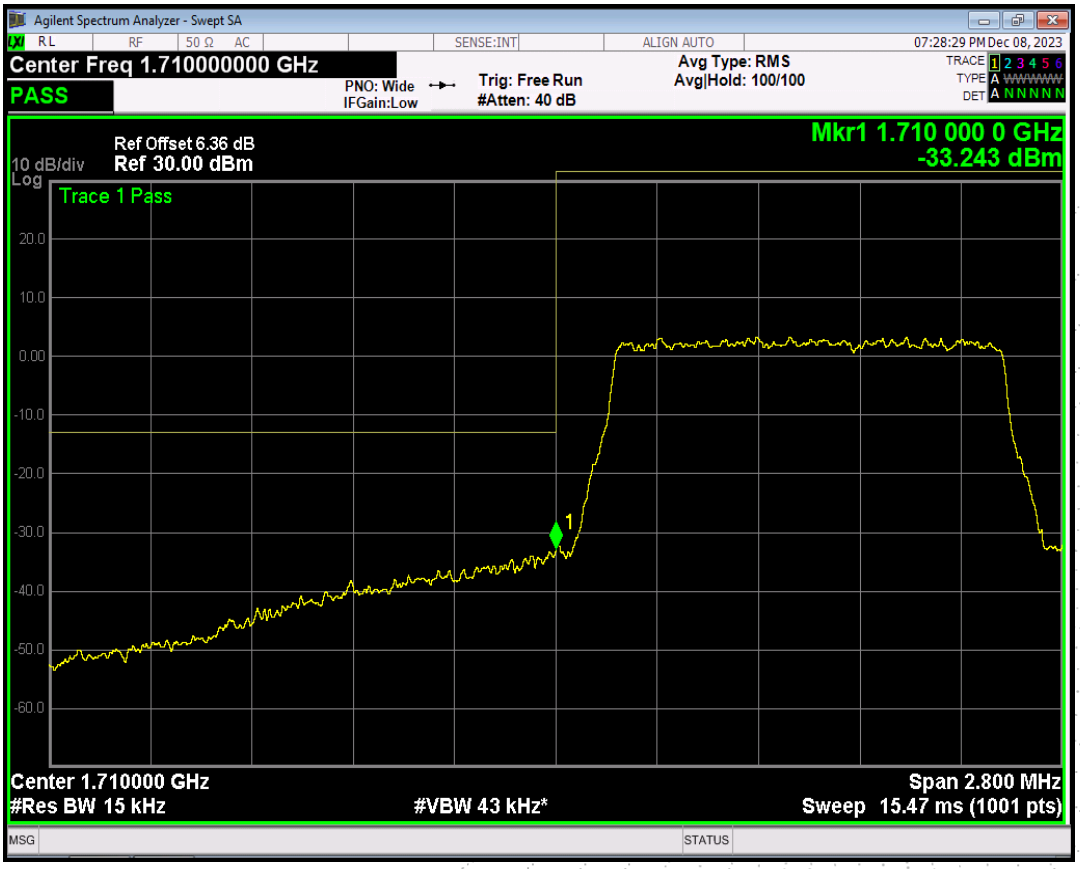
Appendix 5. Band edge

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	-30.92	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-33.24	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.03	-31.05	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.02	-32.26	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-25.55	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-26.54	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-25.06	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-24.39	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.97	-29.16	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-30.67	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-28.98	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-29.29	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.82	-33.98	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-36.62	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.06	-27.68	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-27.57	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.94	-30.78	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.94	-36.24	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.87	-25.74	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.06	-28.63	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-34.36	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.76	-37.70	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-29.25	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.60	-31.39	-13	PASS

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



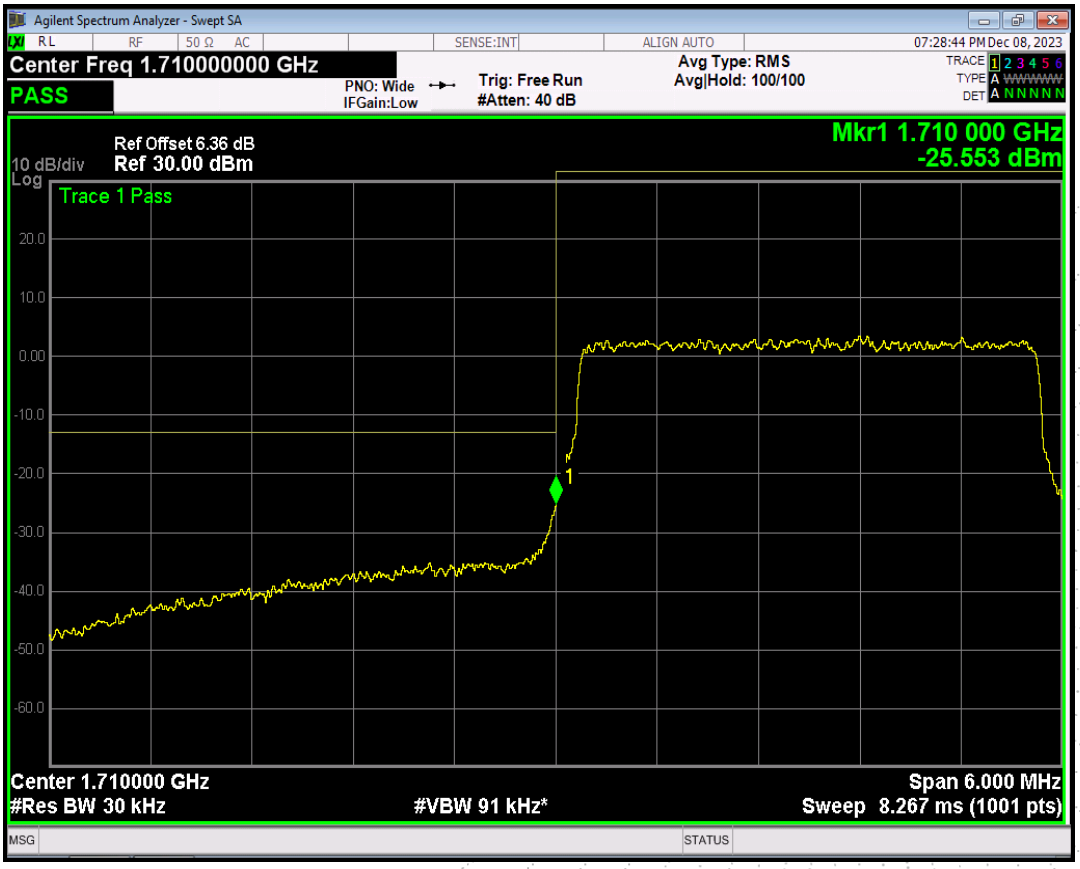
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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

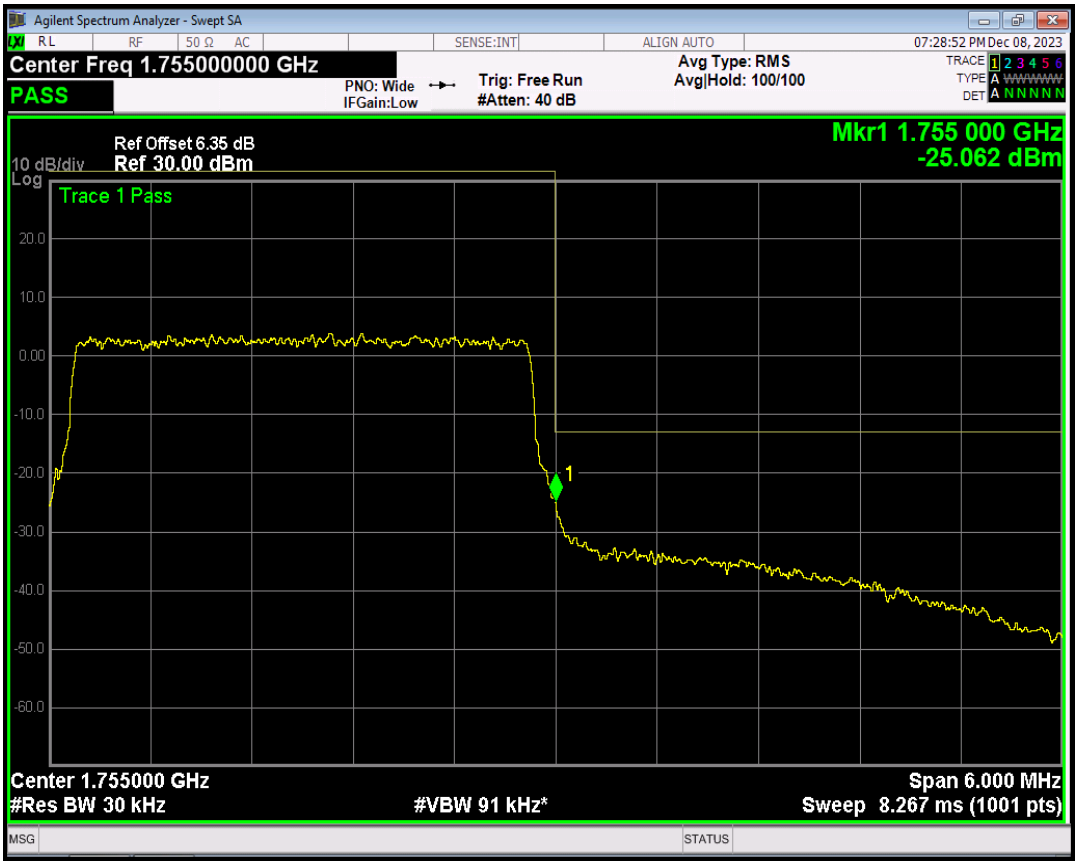
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

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

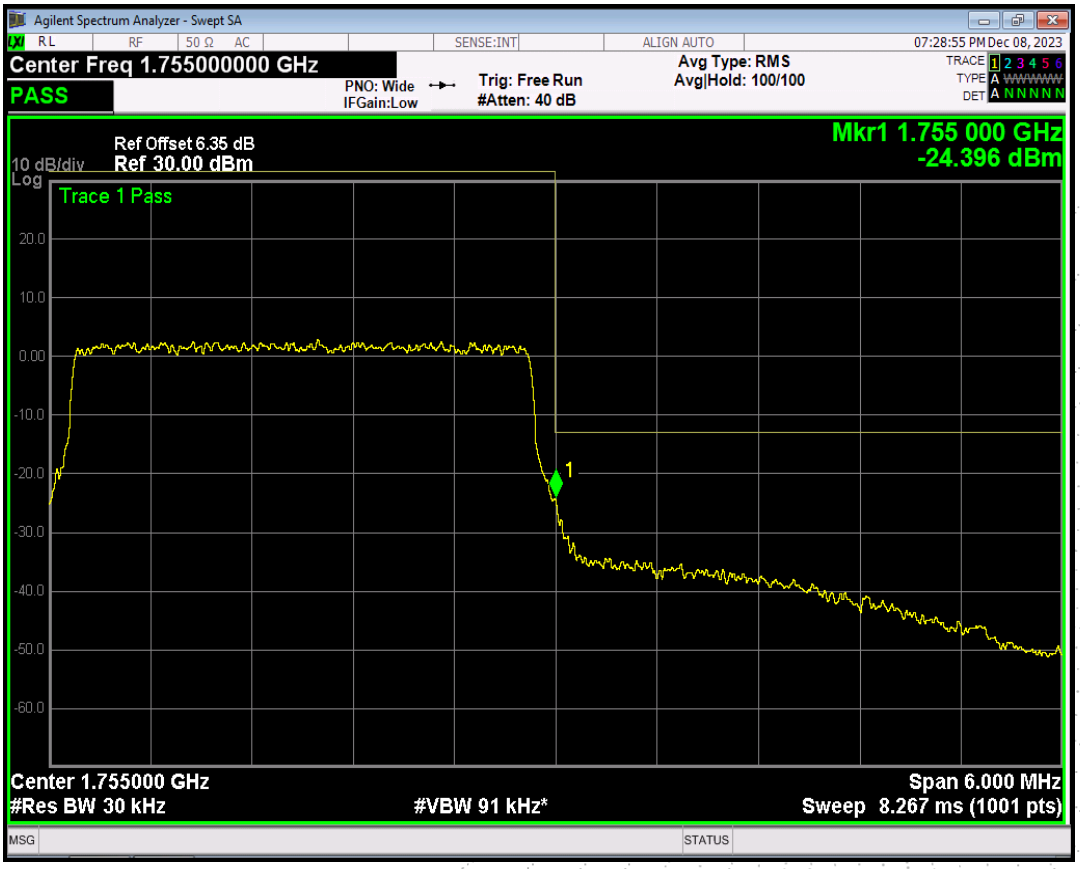


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

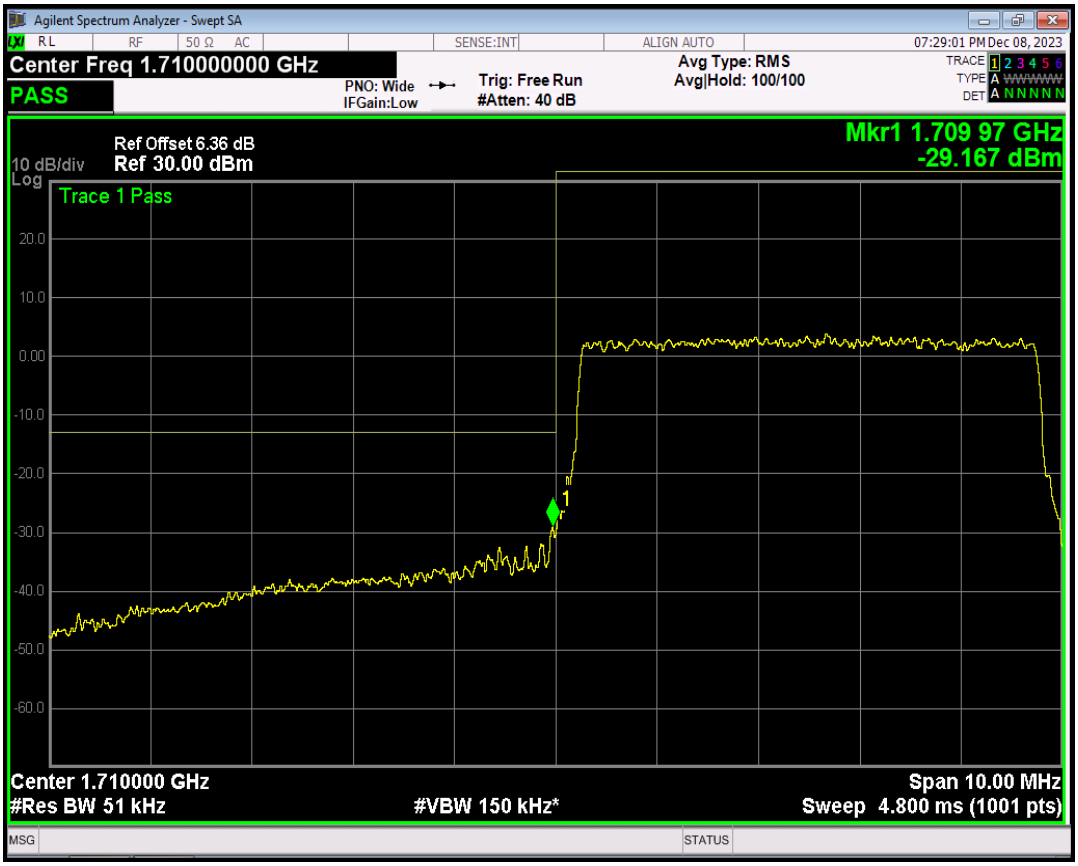
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



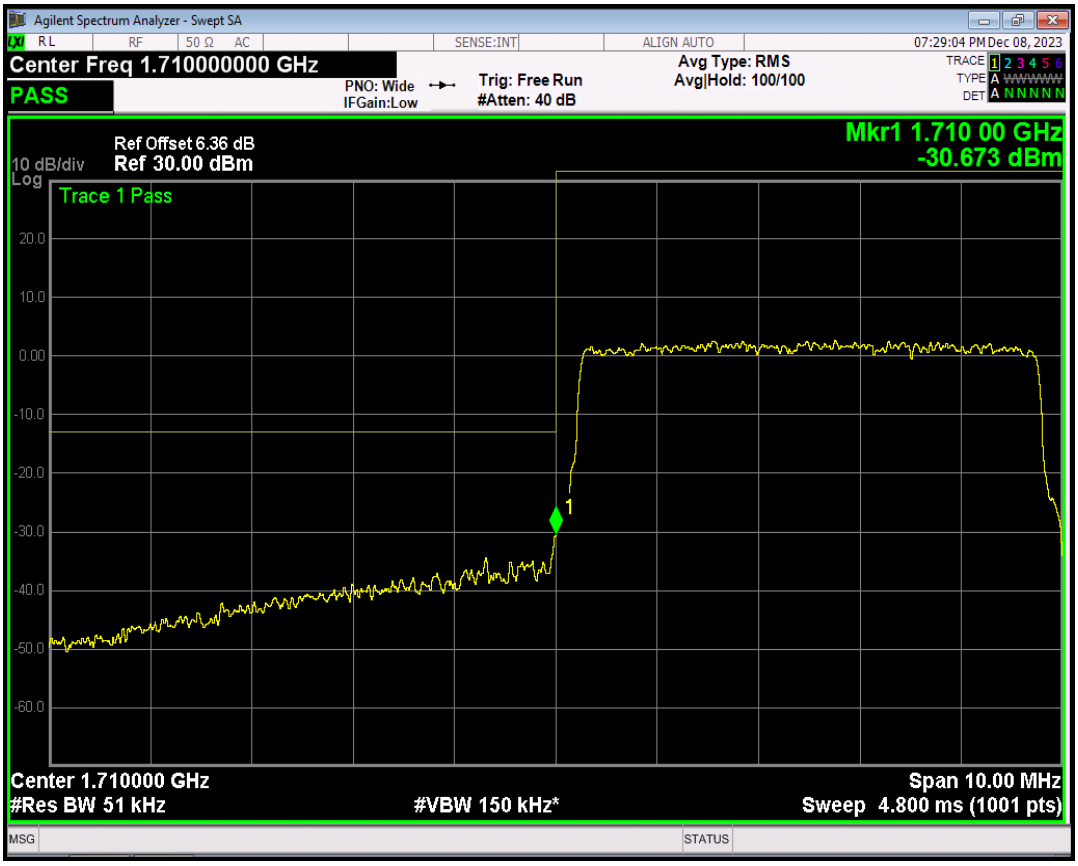
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



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

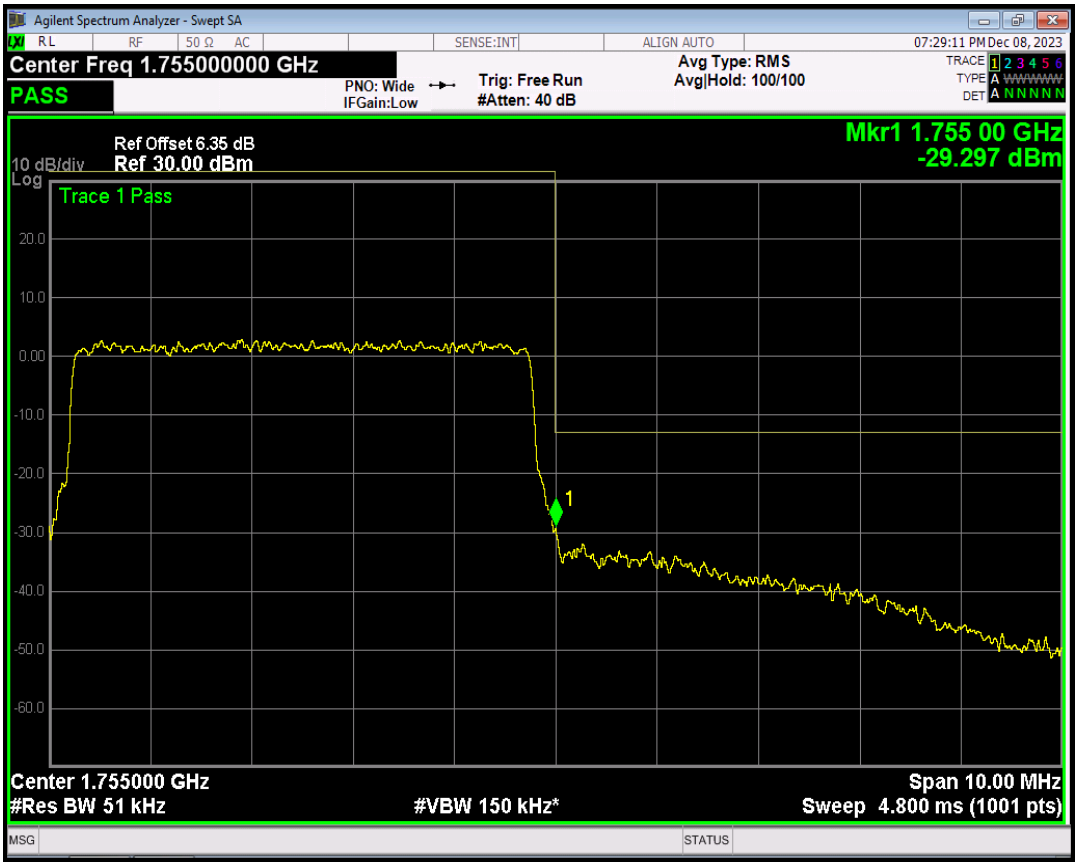


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

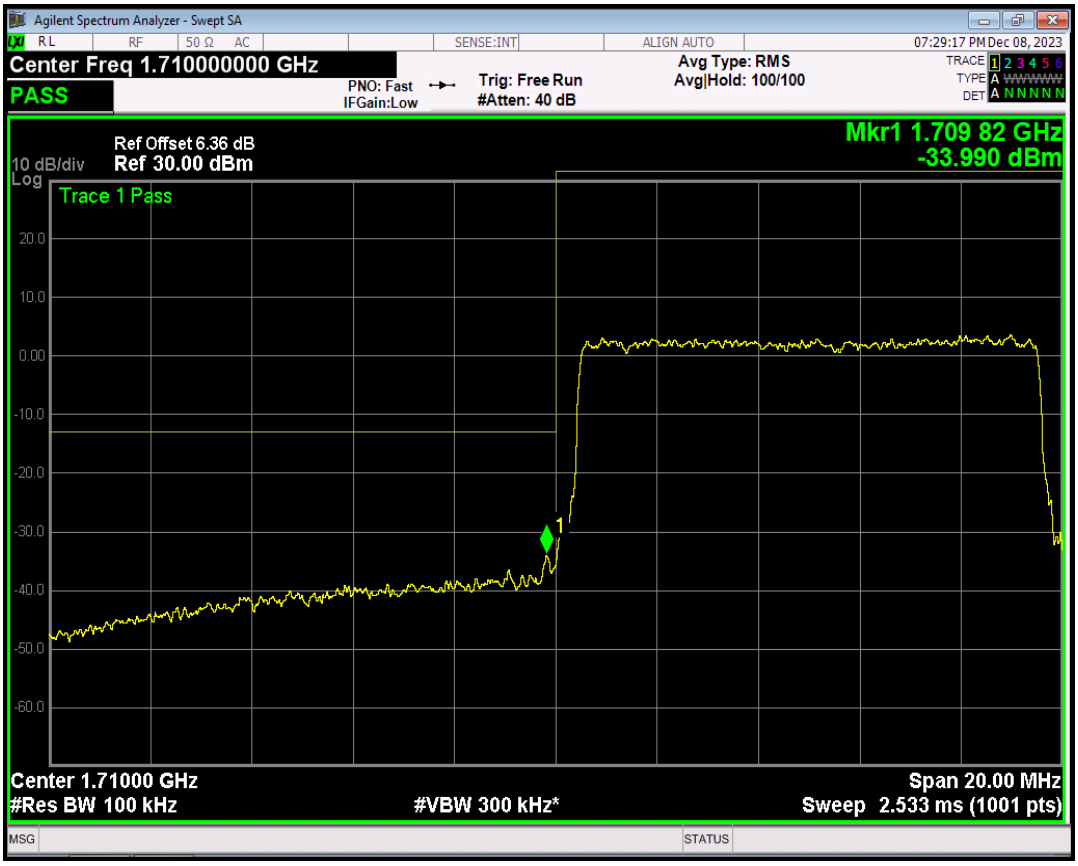


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

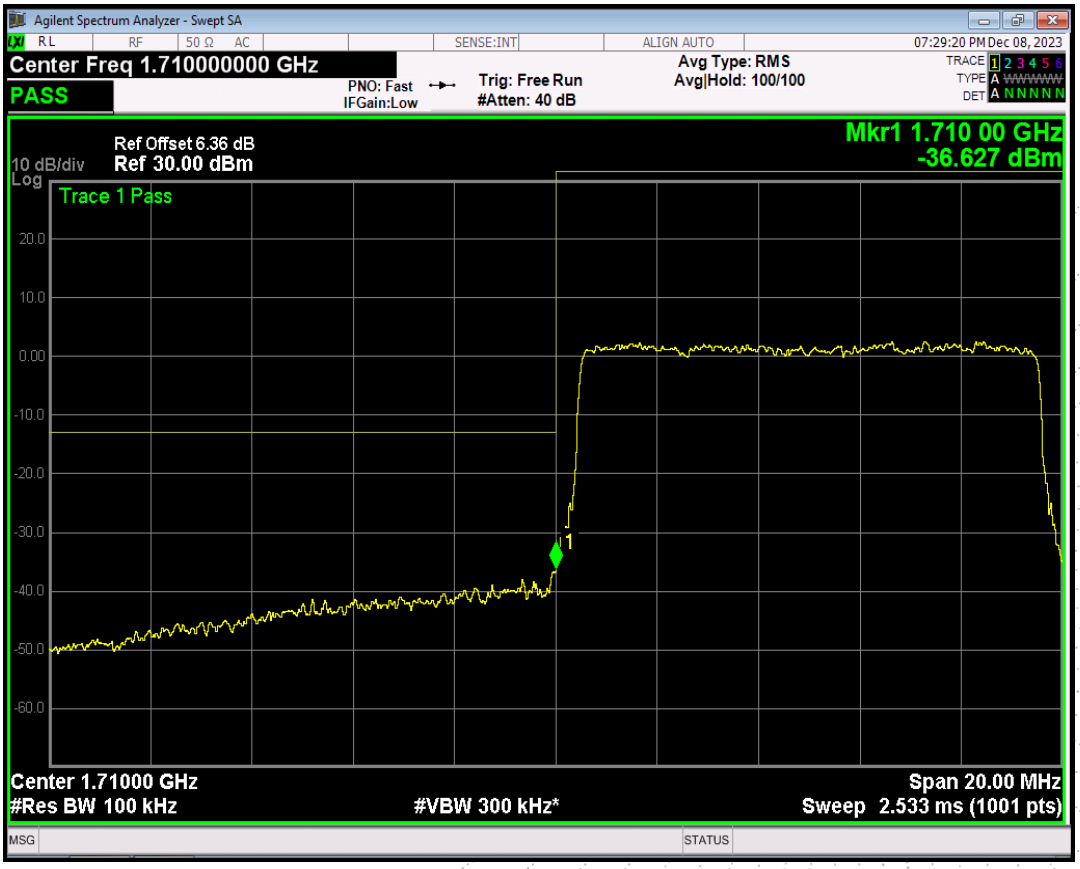
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



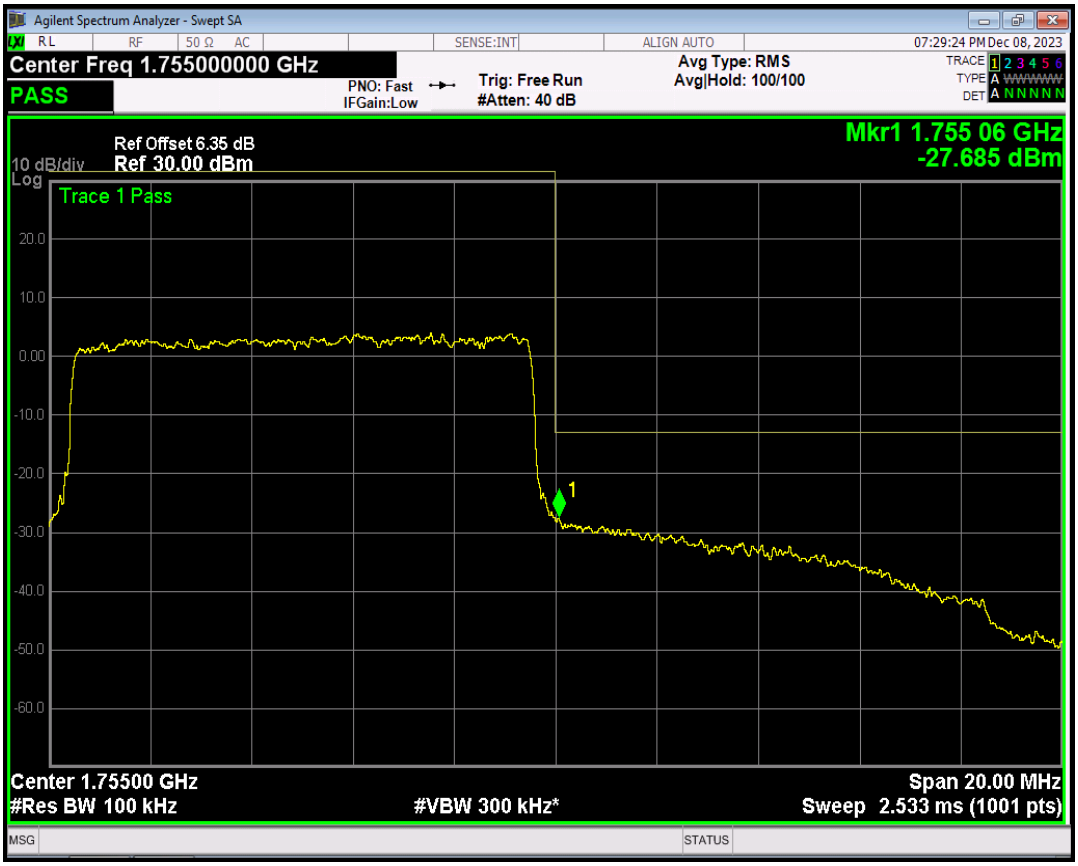
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



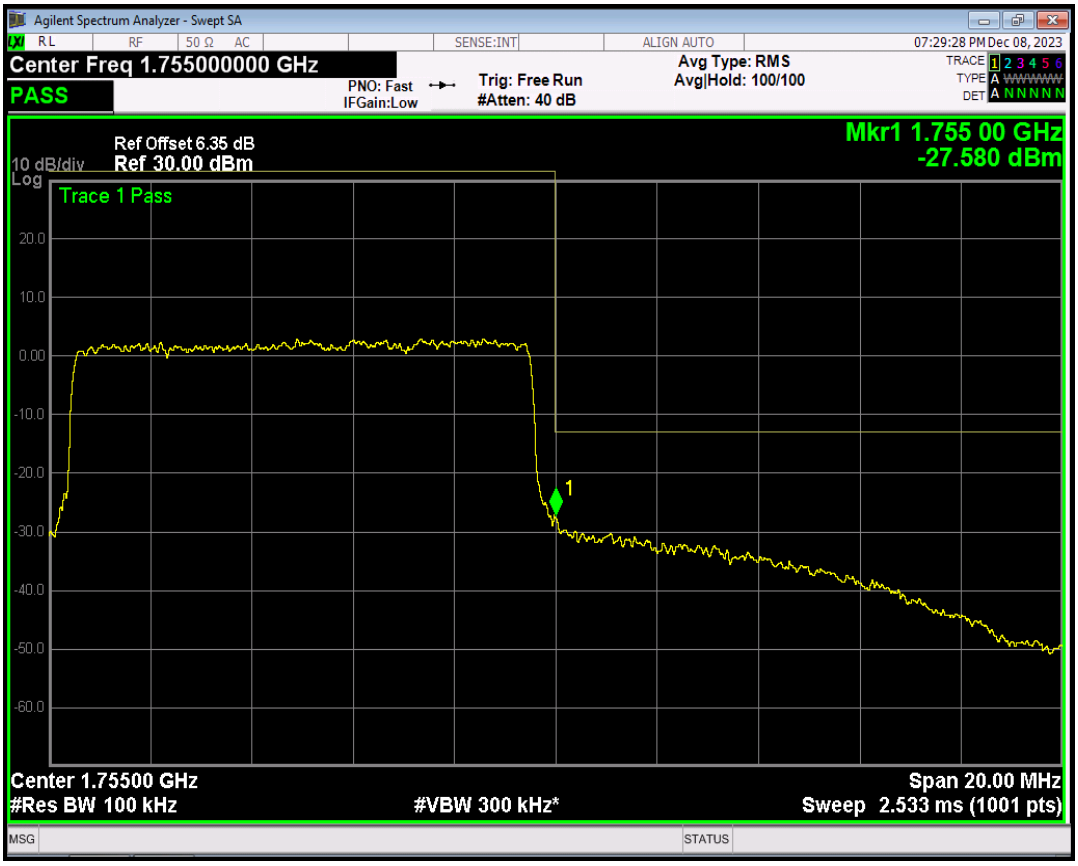
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



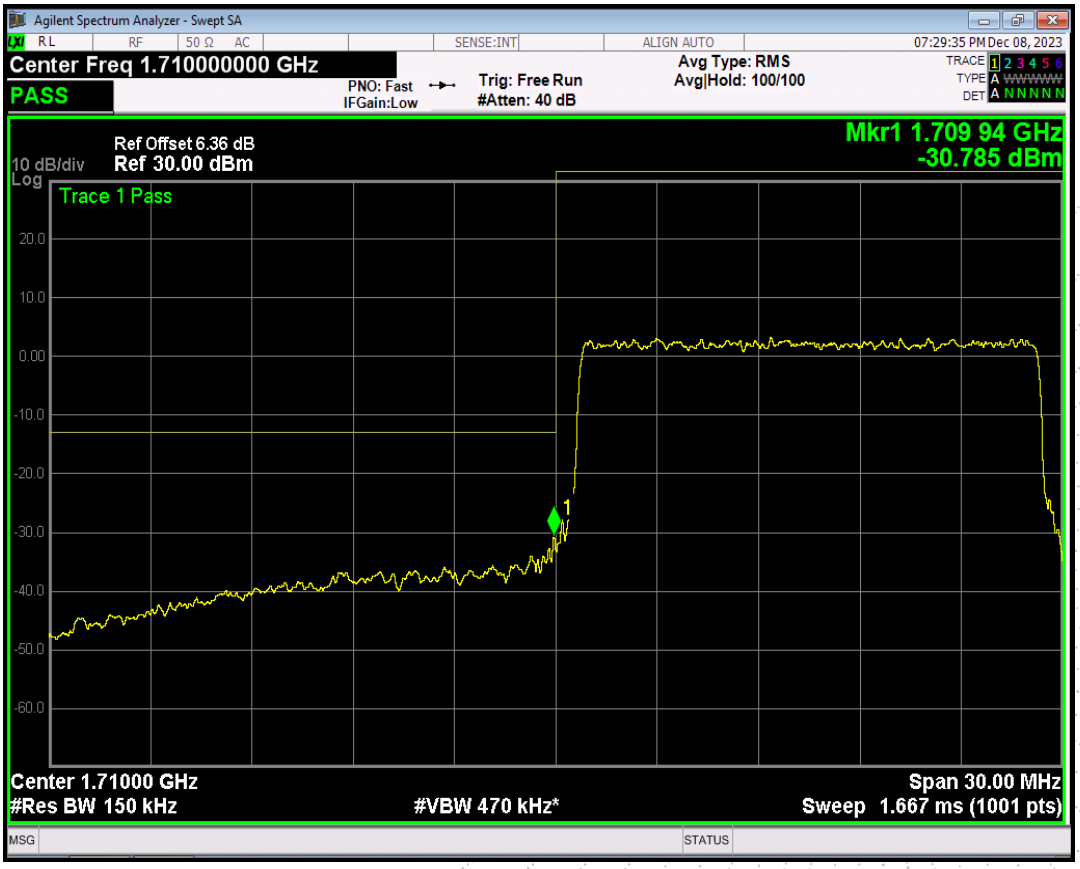
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



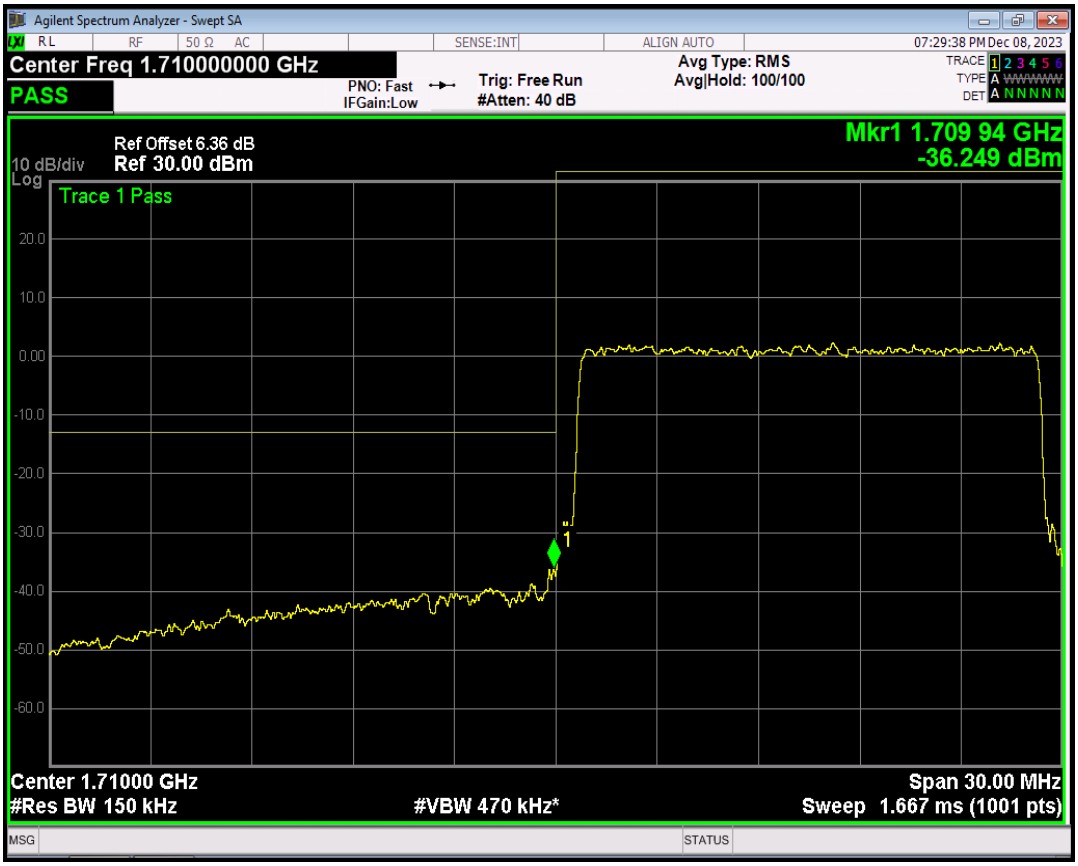
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



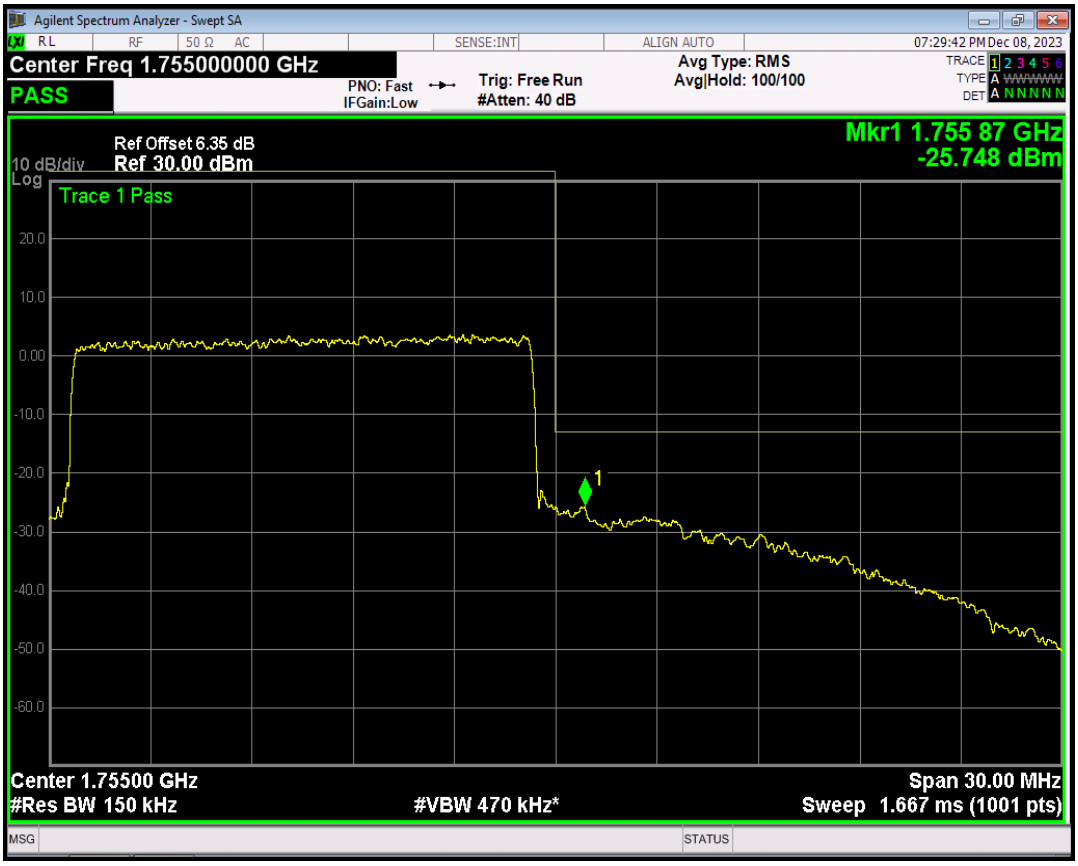
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



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

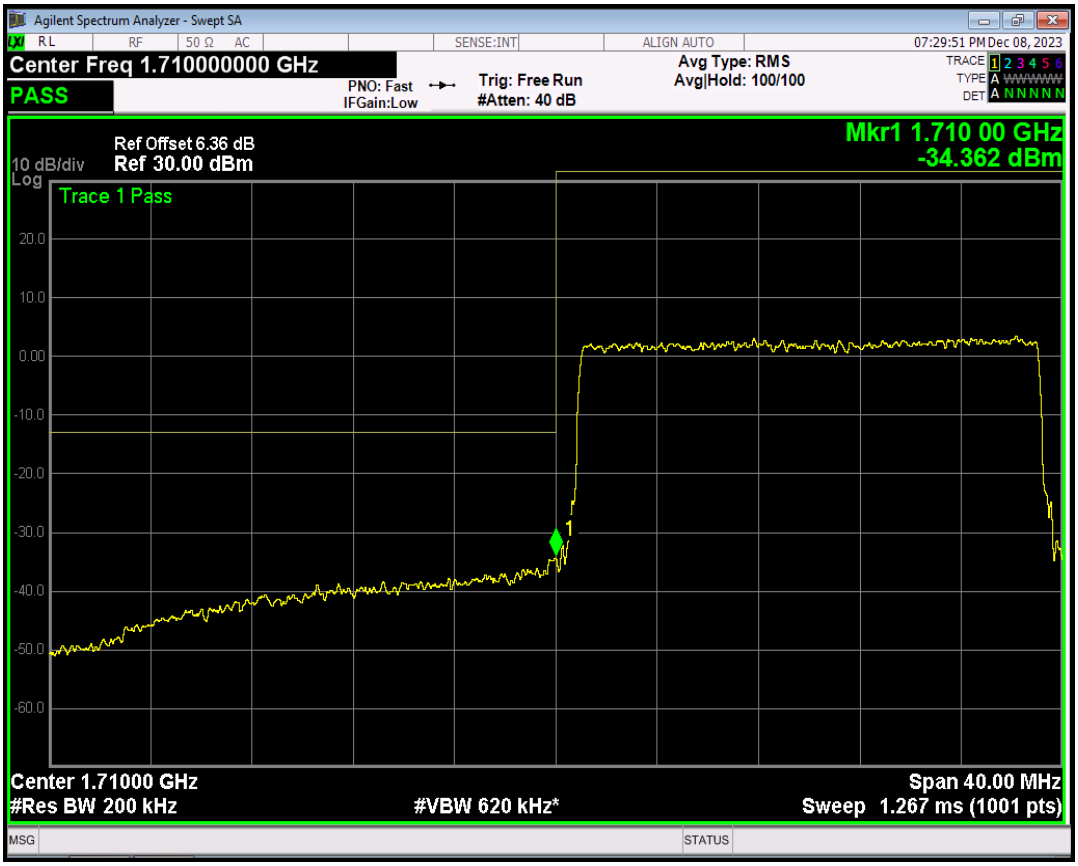


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

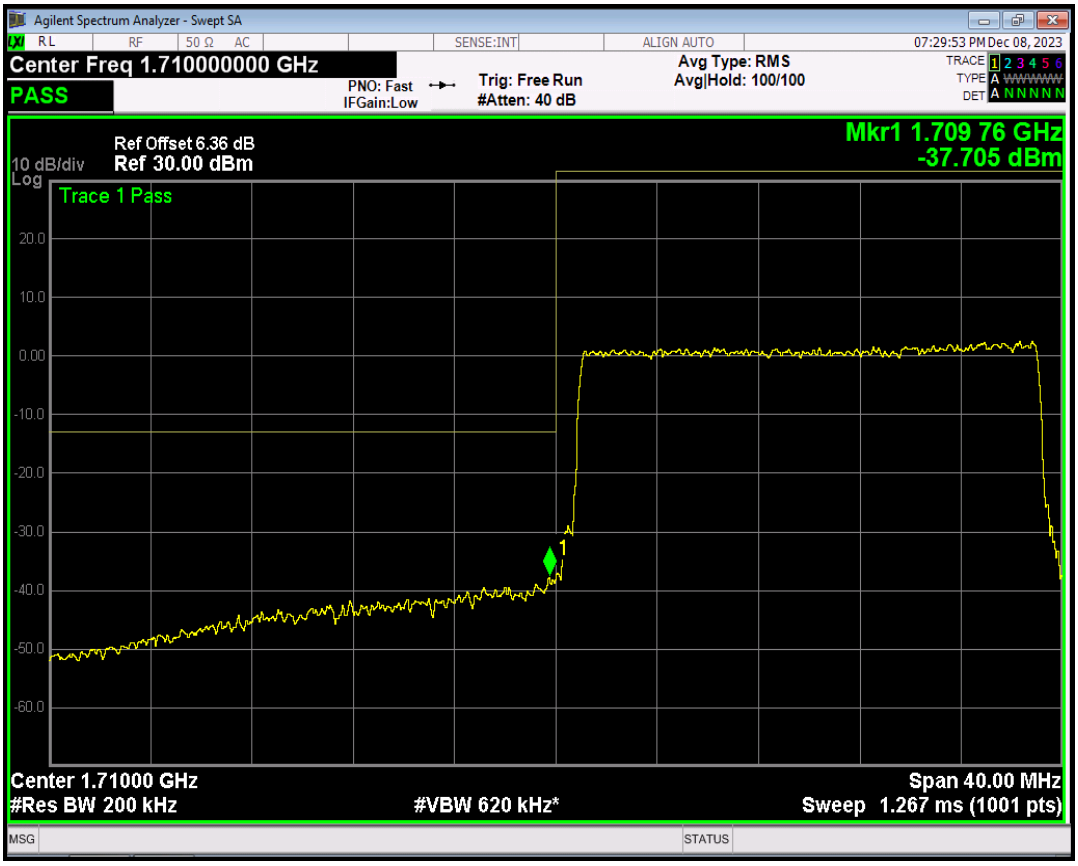


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

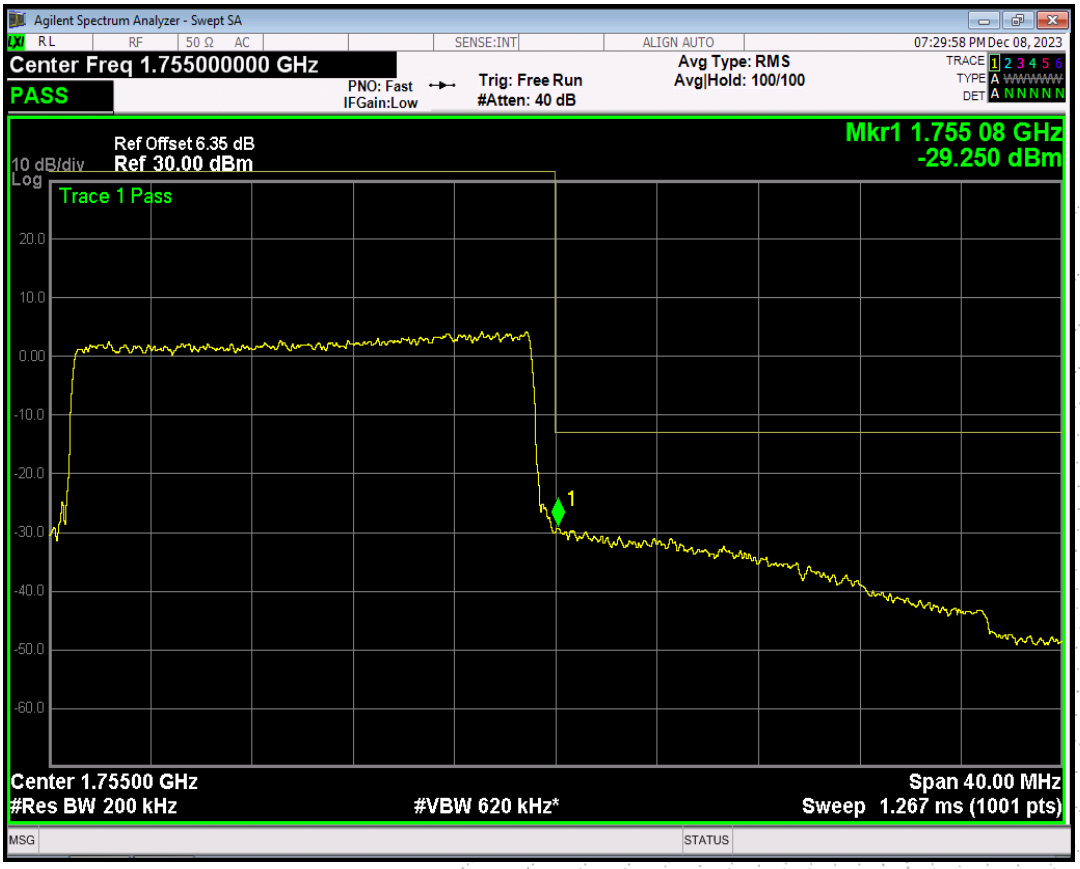
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



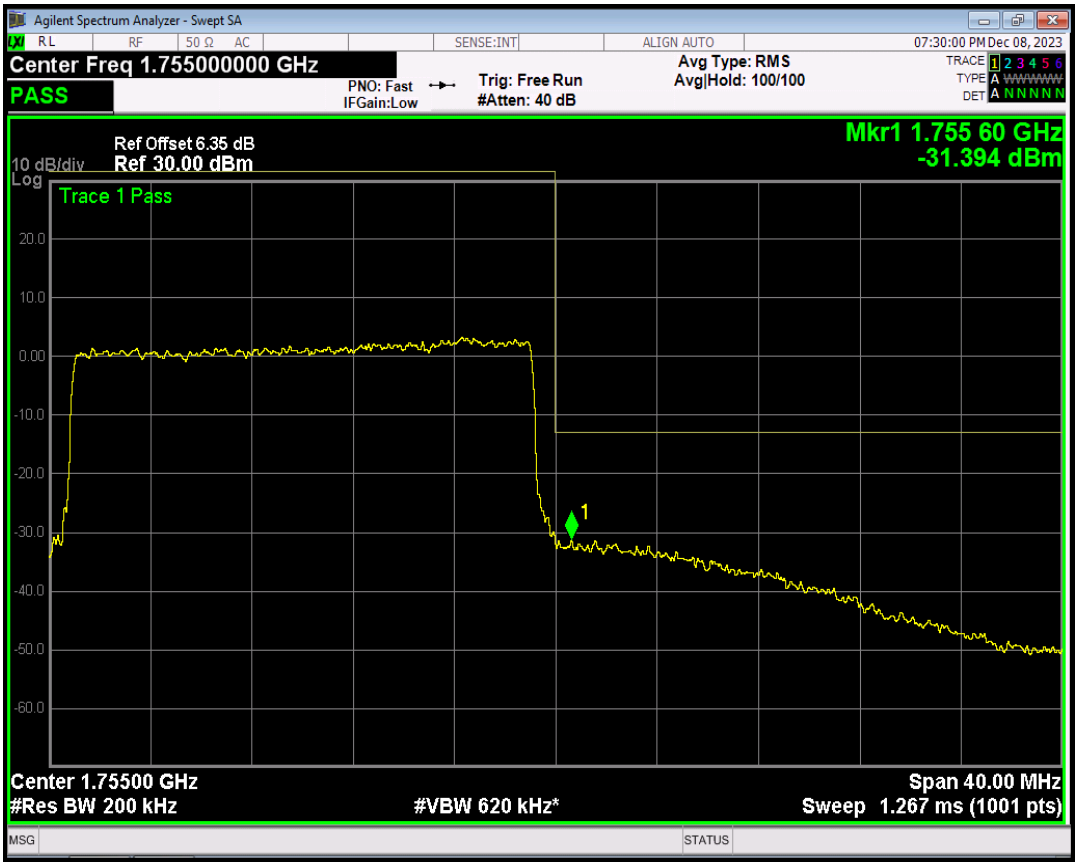
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



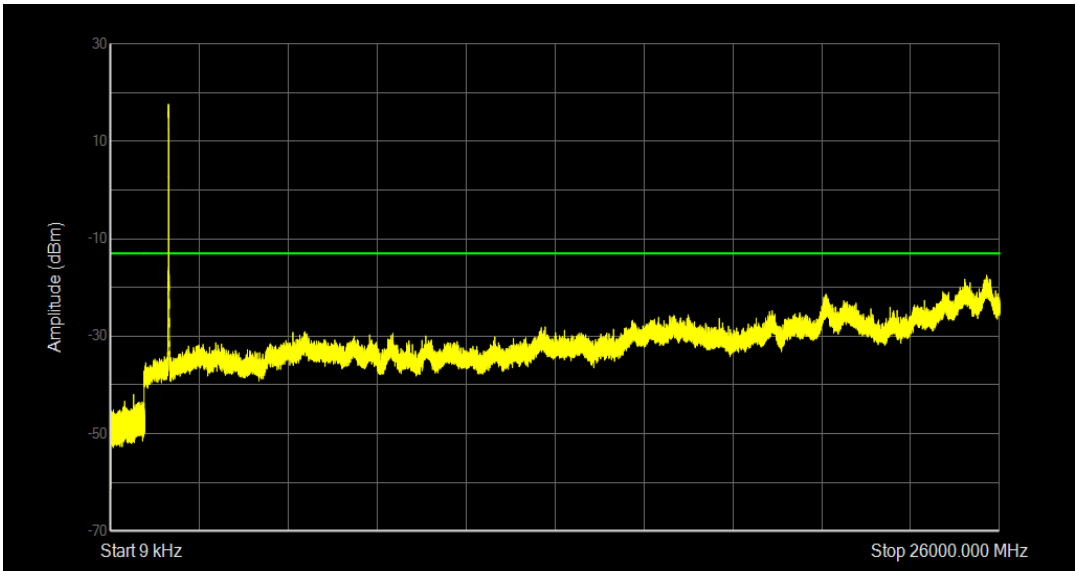
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



Appendix 6. Out-of-band emissions

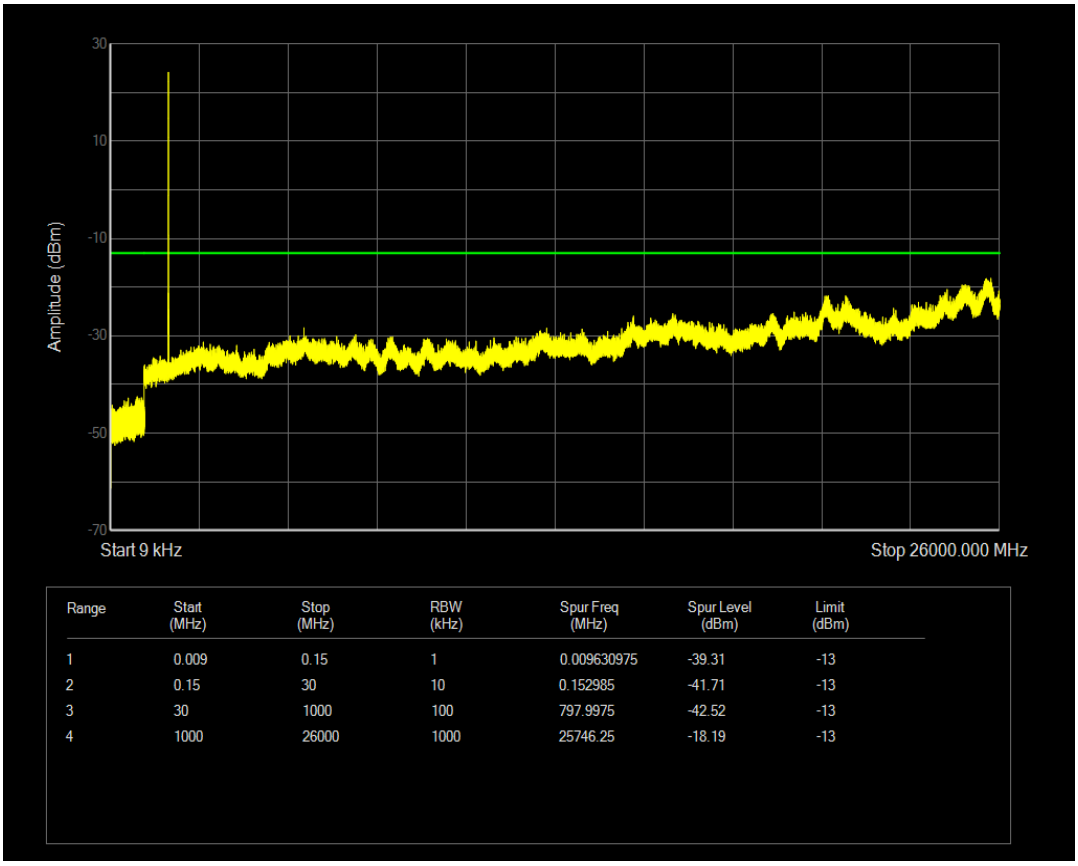
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25746.25	-18.19	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25575.00	-17.87	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25670.00	-18.18	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25621.88	-18.37	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25626.25	-17.95	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25606.25	-17.07	-13	PASS
Band4	3	19965	15	#0	QPSK	25524.38	-17.66	-13	PASS
Band4	3	19965	15	#0	16QAM	25615.63	-16.56	-13	PASS
Band4	3	20175	15	#0	QPSK	25687.50	-18.01	-13	PASS
Band4	3	20175	15	#0	16QAM	25624.38	-17.45	-13	PASS
Band4	3	20385	15	#0	QPSK	25635.63	-17.49	-13	PASS
Band4	3	20385	15	#0	16QAM	25623.13	-17.00	-13	PASS
Band4	5	19975	25	#0	QPSK	25623.75	-17.02	-13	PASS
Band4	5	19975	25	#0	16QAM	25598.13	-17.03	-13	PASS
Band4	5	20175	25	#0	QPSK	25686.25	-18.07	-13	PASS
Band4	5	20175	25	#0	16QAM	25632.5	-17.43	-13	PASS
Band4	5	20375	25	#0	QPSK	25649.38	-16.58	-13	PASS
Band4	5	20375	25	#0	16QAM	25553.13	-16.31	-13	PASS
Band4	10	20000	50	#0	QPSK	25633.13	-18.21	-13	PASS
Band4	10	20000	50	#0	16QAM	25693.75	-17.37	-13	PASS
Band4	10	20175	50	#0	QPSK	25577.50	-17.40	-13	PASS
Band4	10	20175	50	#0	16QAM	25639.38	-17.73	-13	PASS
Band4	10	20350	50	#0	QPSK	25605.00	-16.39	-13	PASS
Band4	10	20350	50	#0	16QAM	25566.25	-17.80	-13	PASS
Band4	15	20025	75	#0	QPSK	25618.13	-17.47	-13	PASS
Band4	15	20025	75	#0	16QAM	25606.88	-17.64	-13	PASS
Band4	15	20175	75	#0	QPSK	25620.63	-18.17	-13	PASS
Band4	15	20175	75	#0	16QAM	25585.00	-17.99	-13	PASS
Band4	15	20325	75	#0	QPSK	25605.63	-17.95	-13	PASS
Band4	15	20325	75	#0	16QAM	25620.63	-17.03	-13	PASS
Band4	20	20050	100	#0	QPSK	25720.00	-17.32	-13	PASS
Band4	20	20050	100	#0	16QAM	25631.88	-17.60	-13	PASS
Band4	20	20175	100	#0	QPSK	25695.00	-18.01	-13	PASS
Band4	20	20175	100	#0	16QAM	25676.88	-17.59	-13	PASS
Band4	20	20300	100	#0	QPSK	25033.75	-18.06	-13	PASS
Band4	20	20300	100	#0	16QAM	25640.00	-17.61	-13	PASS

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



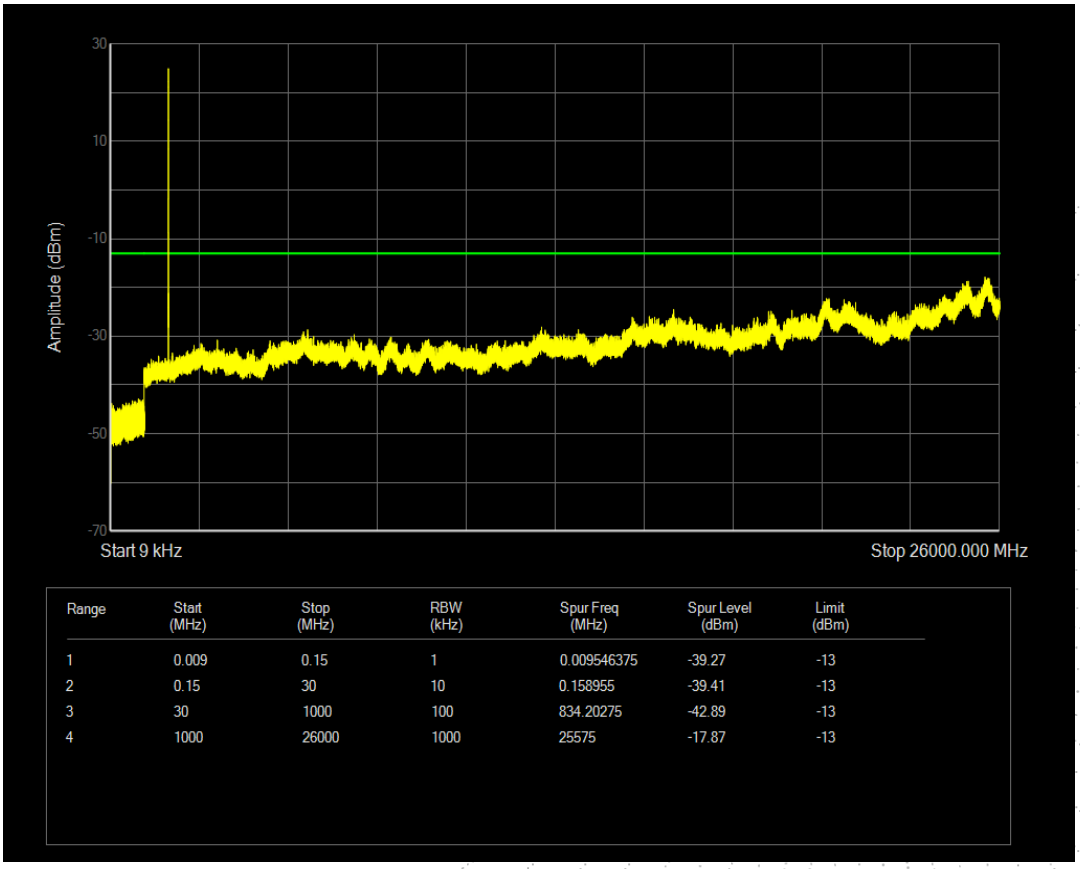
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014798625	-39.71	-13
2	0.15	30	10	0.15	-41.01	-13
3	30	1000	100	695.3715	-41.96	-13
4	1000	26000	1000	25618.125	-17.47	-13

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



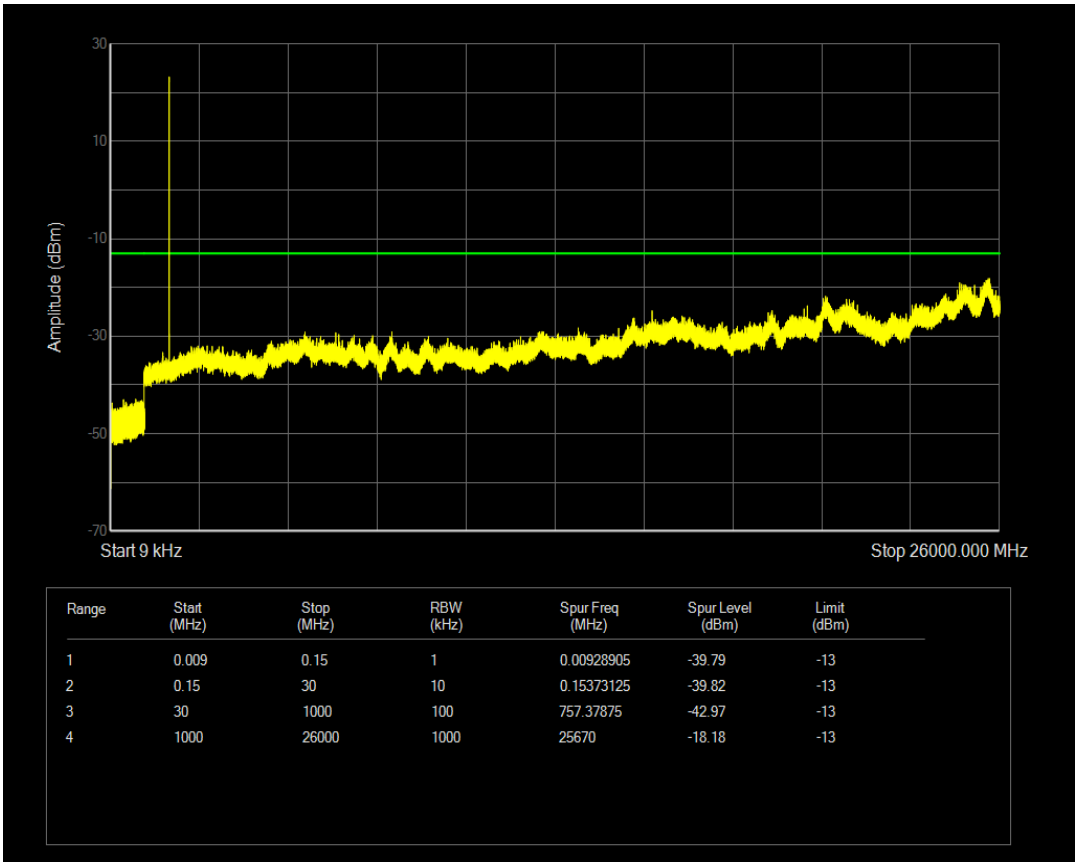
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009630975	-39.31	-13
2	0.15	30	10	0.152985	-41.71	-13
3	30	1000	100	797.9975	-42.52	-13
4	1000	26000	1000	25746.25	-18.19	-13

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



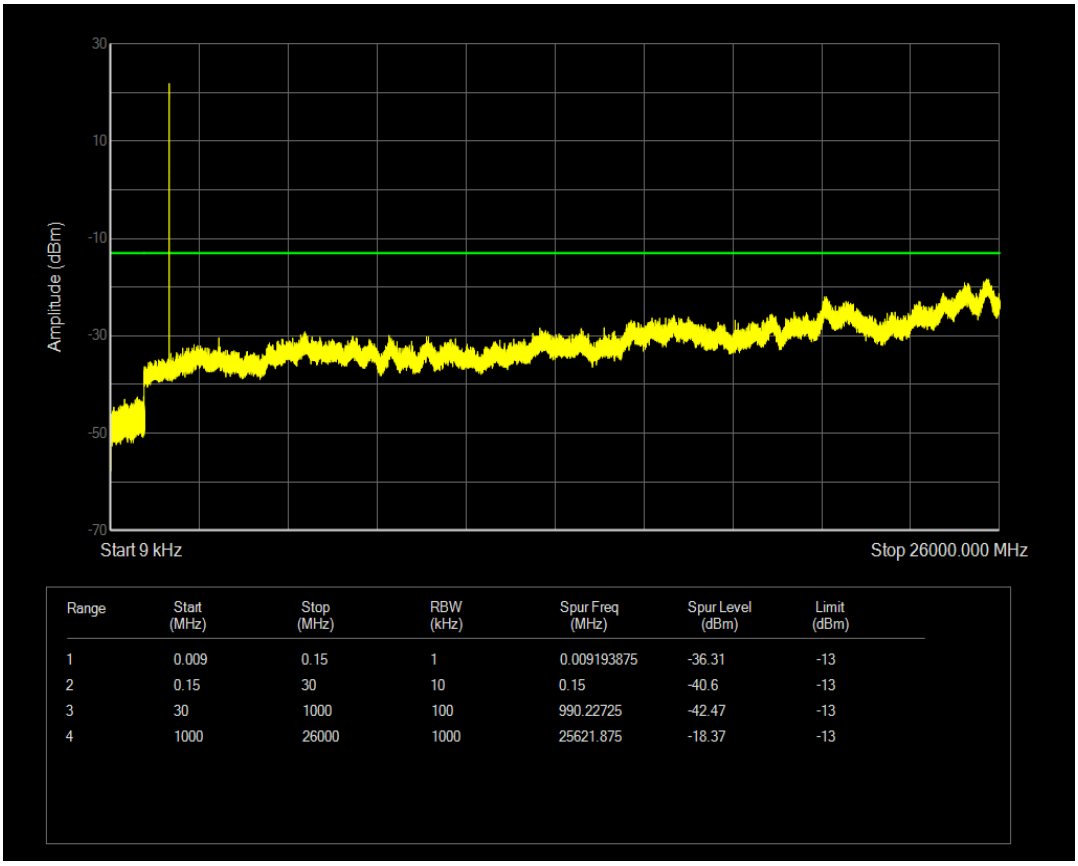
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009546375	-39.27	-13
2	0.15	30	10	0.158955	-39.41	-13
3	30	1000	100	834.20275	-42.89	-13
4	1000	26000	1000	25575	-17.87	-13

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



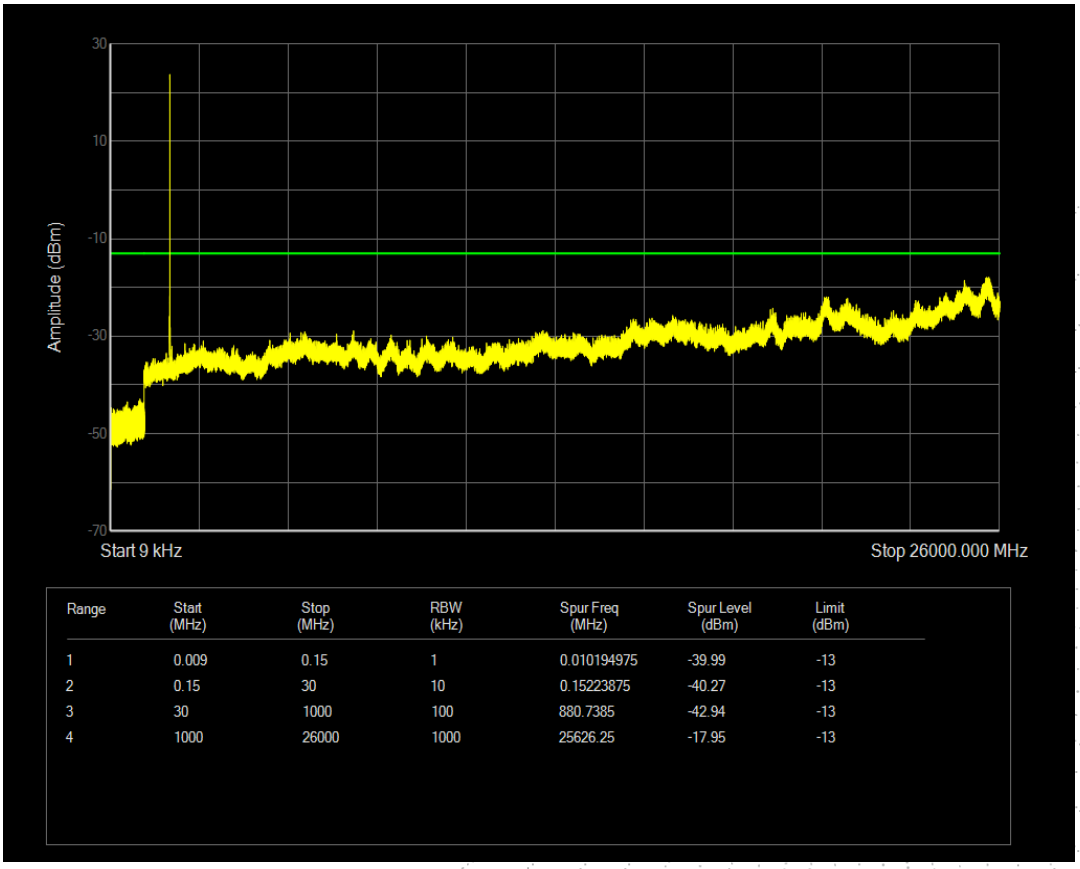
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00928905	-39.79	-13
2	0.15	30	10	0.15373125	-39.82	-13
3	30	1000	100	757.37875	-42.97	-13
4	1000	26000	1000	25670	-18.18	-13

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



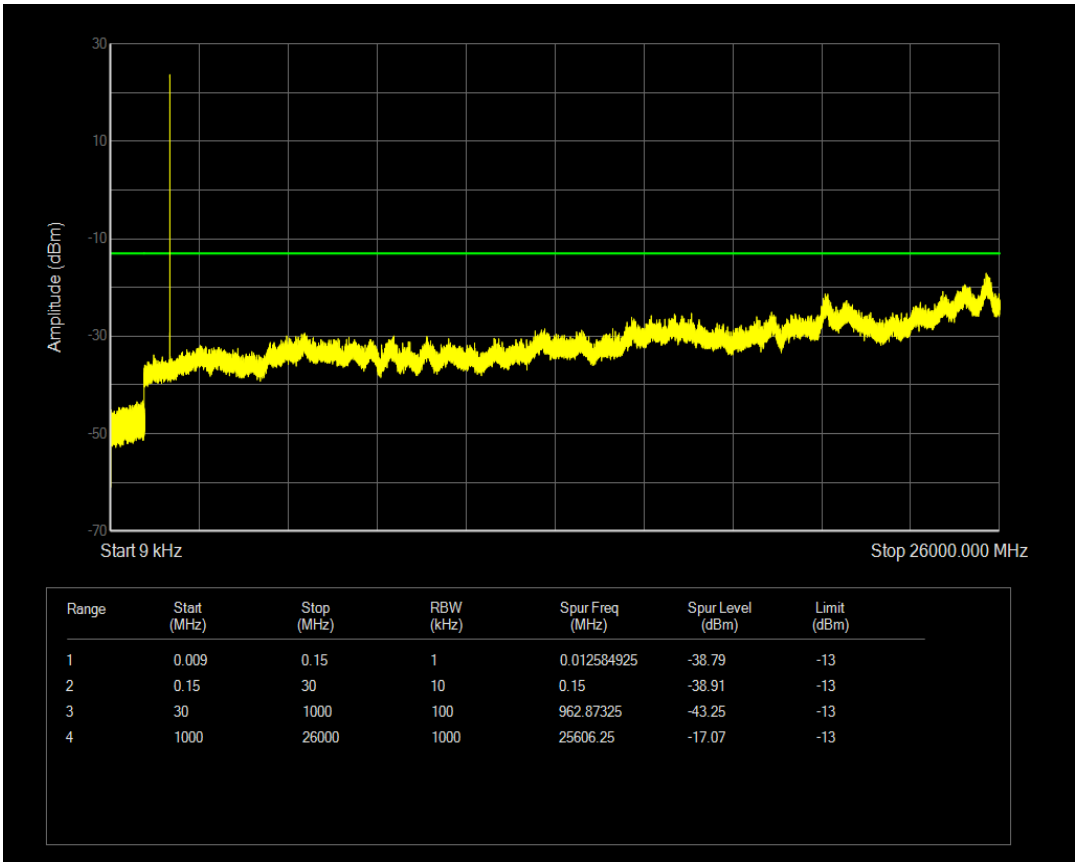
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009193875	-36.31	-13
2	0.15	30	10	0.15	-40.6	-13
3	30	1000	100	990.22725	-42.47	-13
4	1000	26000	1000	25621.875	-18.37	-13

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



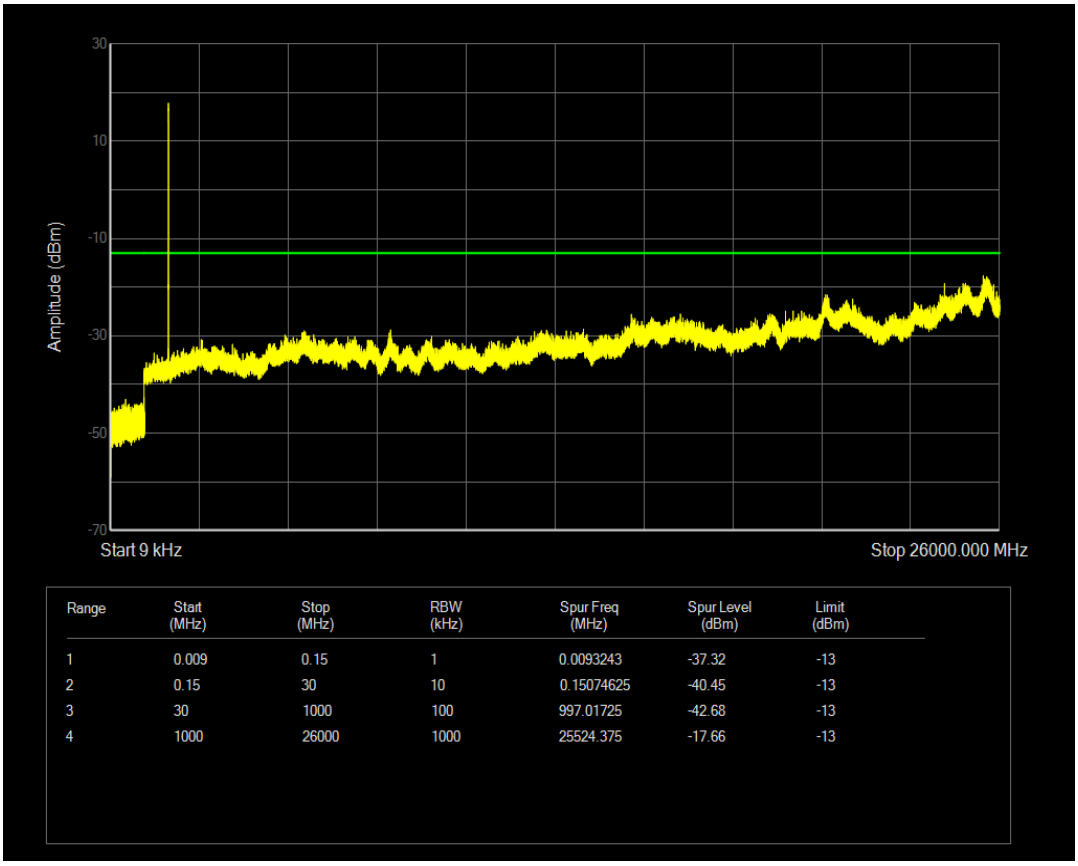
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010194975	-39.99	-13
2	0.15	30	10	0.15223875	-40.27	-13
3	30	1000	100	880.7385	-42.94	-13
4	1000	26000	1000	25626.25	-17.95	-13

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



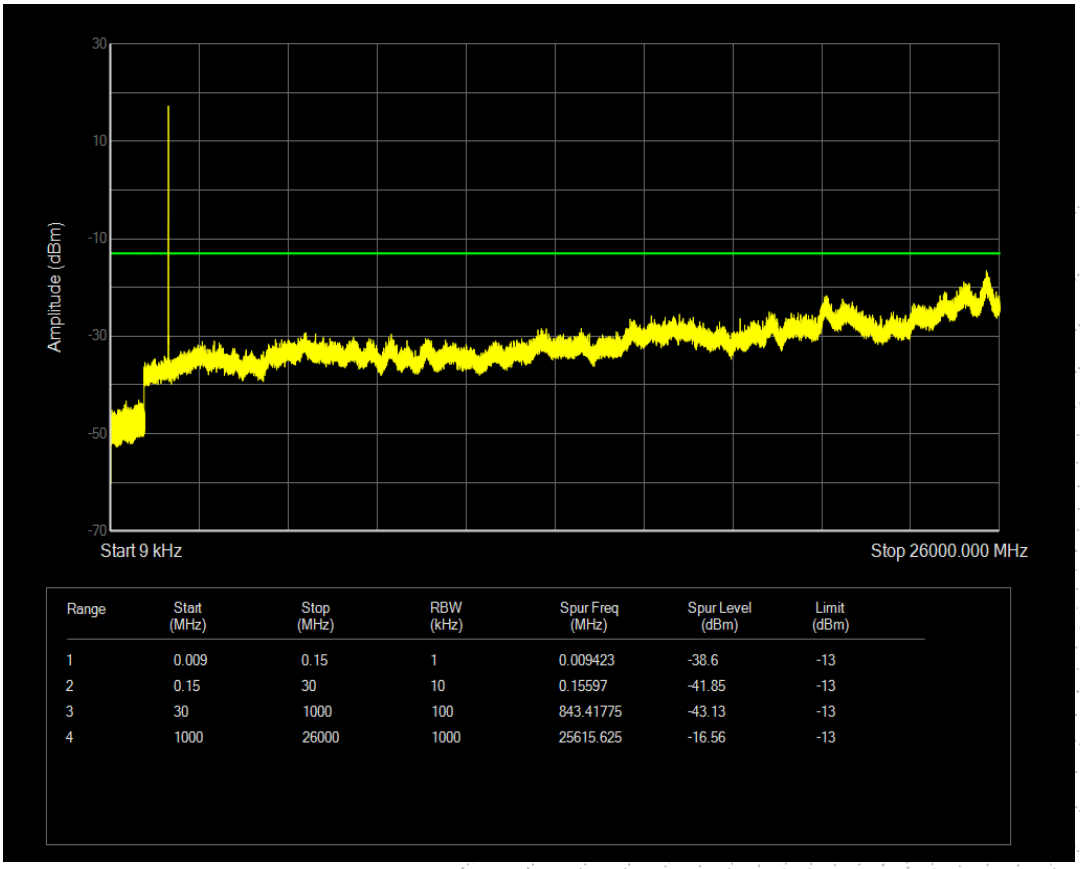
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012584925	-38.79	-13
2	0.15	30	10	0.15	-38.91	-13
3	30	1000	100	962.87325	-43.25	-13
4	1000	26000	1000	25606.25	-17.07	-13

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



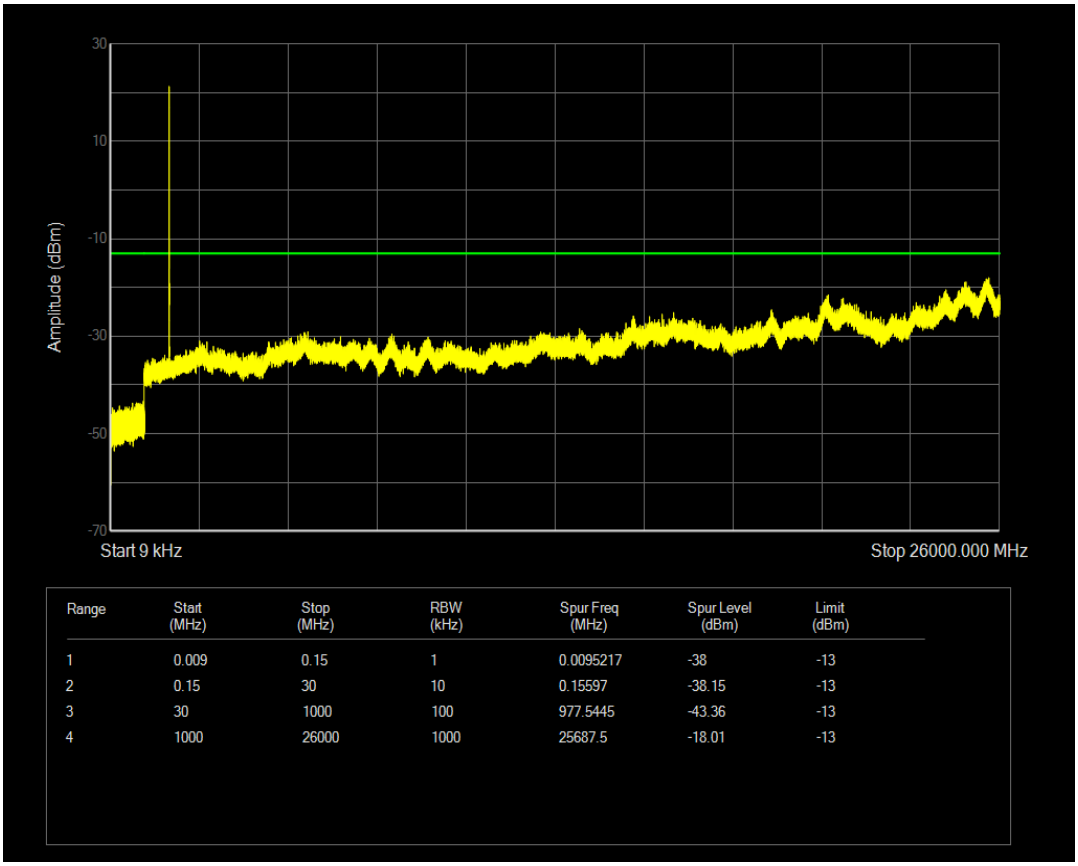
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093243	-37.32	-13
2	0.15	30	10	0.15074625	-40.45	-13
3	30	1000	100	997.01725	-42.68	-13
4	1000	26000	1000	25524.375	-17.66	-13

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



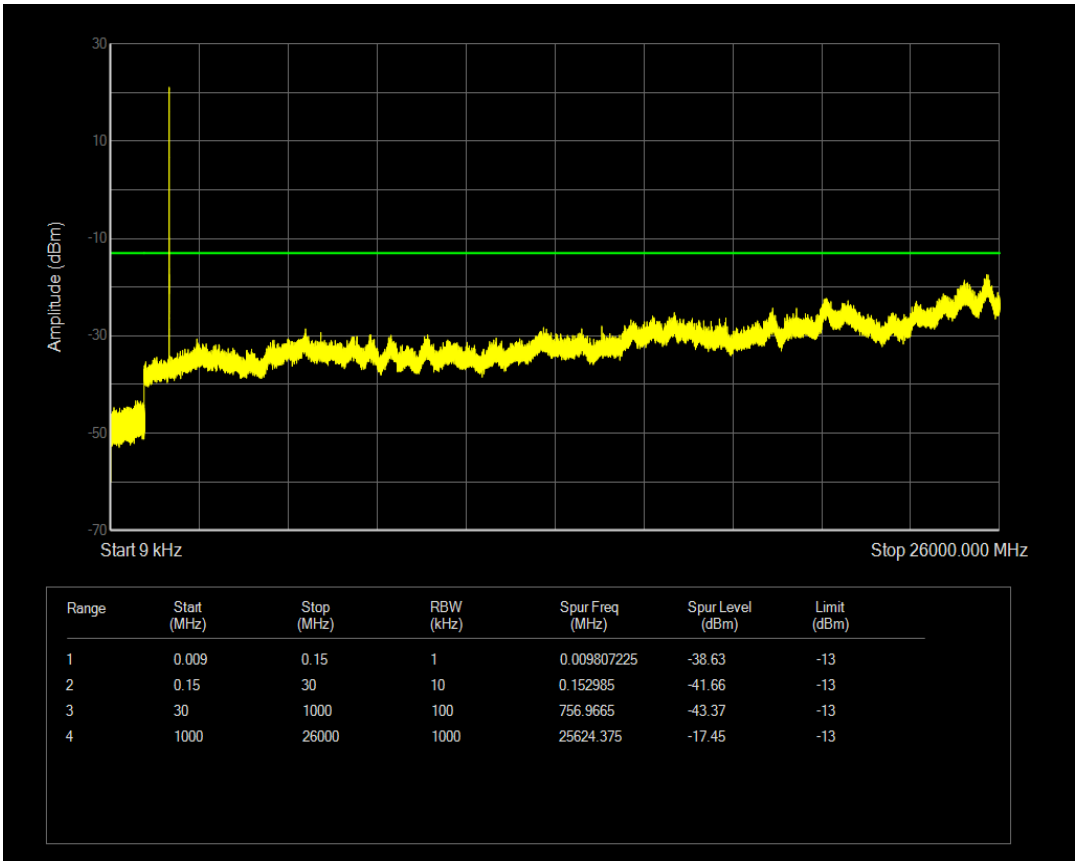
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009423	-38.6	-13
2	0.15	30	10	0.15597	-41.85	-13
3	30	1000	100	843.41775	-43.13	-13
4	1000	26000	1000	25615.625	-16.56	-13

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



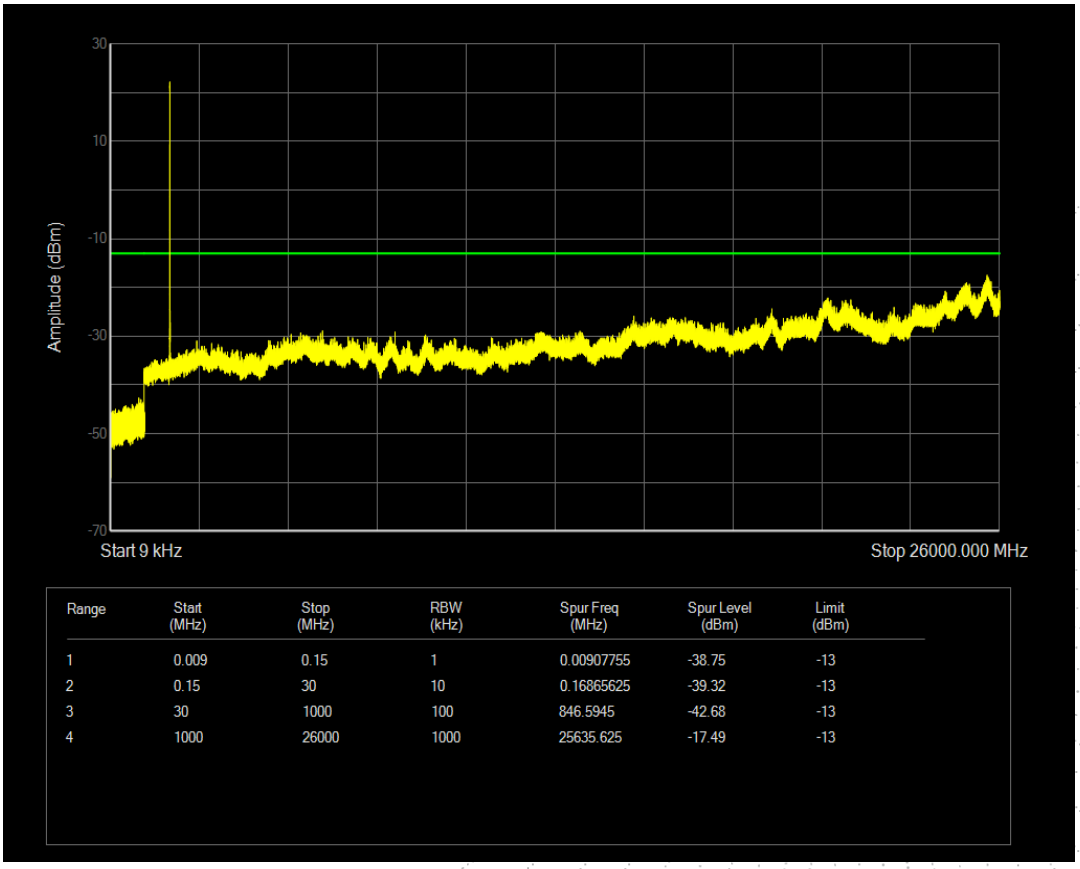
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095217	-38	-13
2	0.15	30	10	0.15597	-38.15	-13
3	30	1000	100	977.5445	-43.36	-13
4	1000	26000	1000	25687.5	-18.01	-13

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



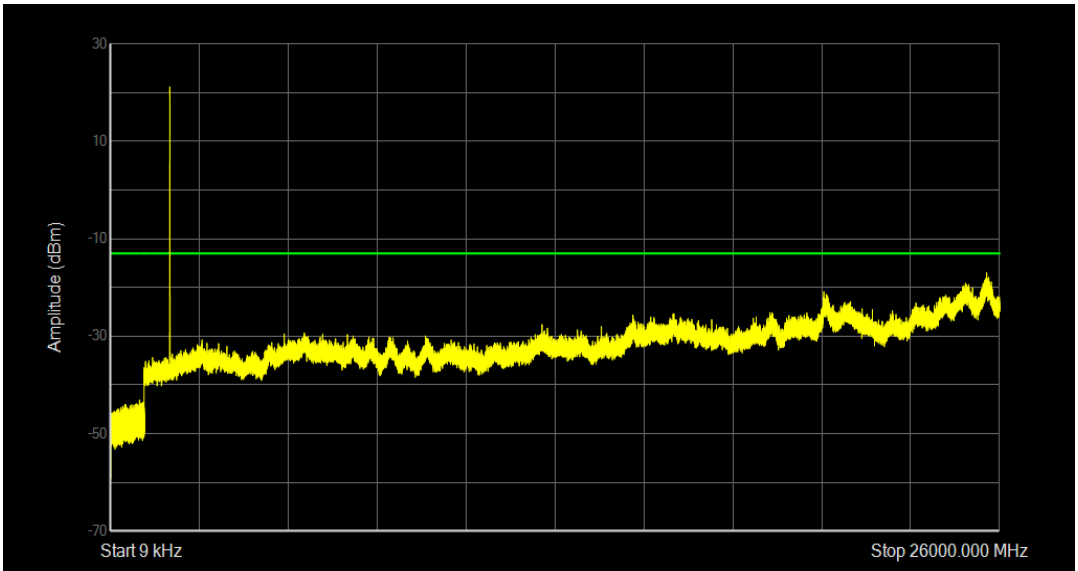
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009807225	-38.63	-13
2	0.15	30	10	0.152985	-41.66	-13
3	30	1000	100	756.9665	-43.37	-13
4	1000	26000	1000	25624.375	-17.45	-13

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



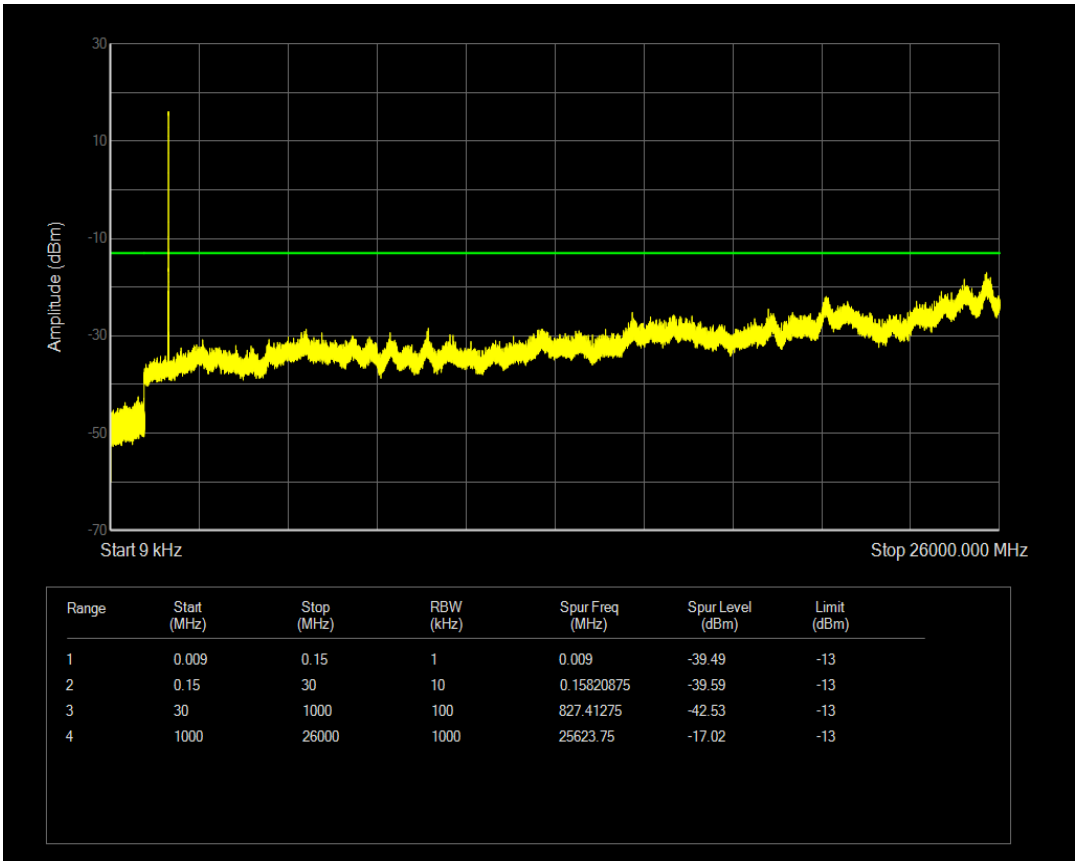
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00907755	-38.75	-13
2	0.15	30	10	0.16865625	-39.32	-13
3	30	1000	100	846.5945	-42.68	-13
4	1000	26000	1000	25635.625	-17.49	-13

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



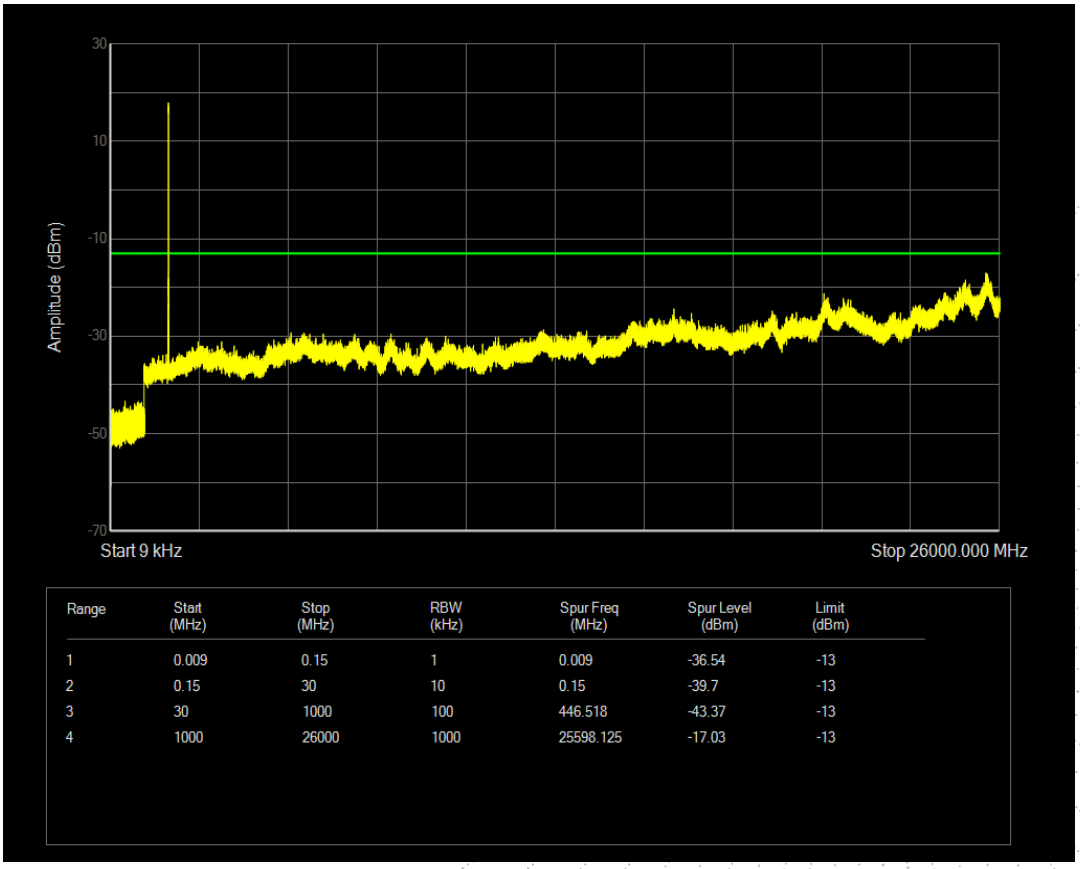
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009229125	-39.83	-13
2	0.15	30	10	0.15671625	-40.25	-13
3	30	1000	100	867.9345	-43.1	-13
4	1000	26000	1000	25623.125	-17	-13

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



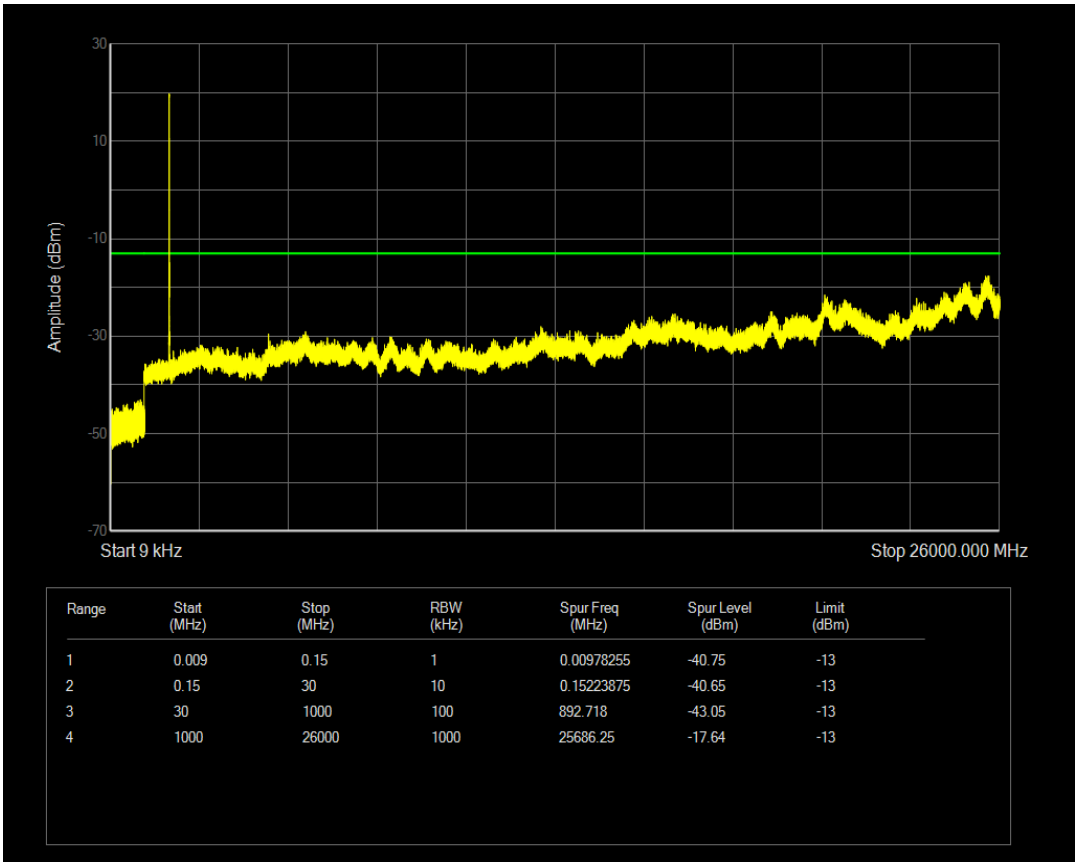
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.49	-13
2	0.15	30	10	0.15820875	-39.59	-13
3	30	1000	100	827.41275	-42.53	-13
4	1000	26000	1000	25623.75	-17.02	-13

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



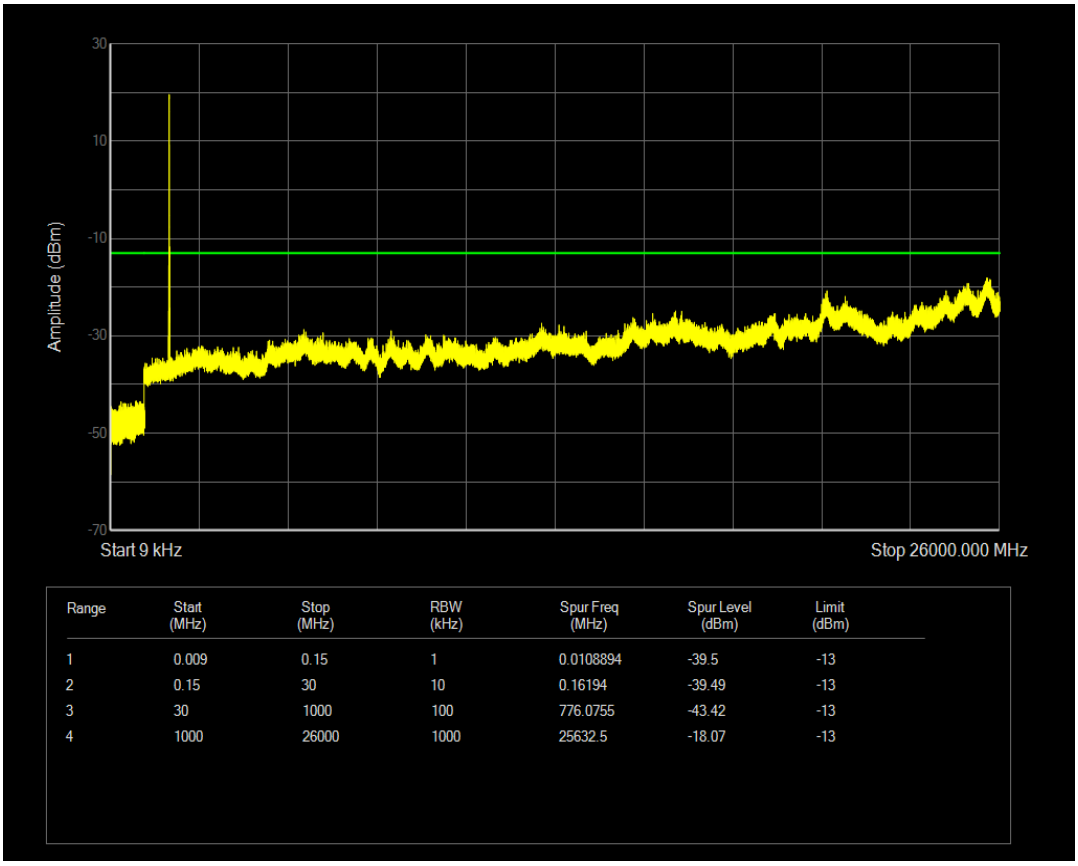
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-36.54	-13
2	0.15	30	10	0.15	-39.7	-13
3	30	1000	100	446.518	-43.37	-13
4	1000	26000	1000	25598.125	-17.03	-13

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



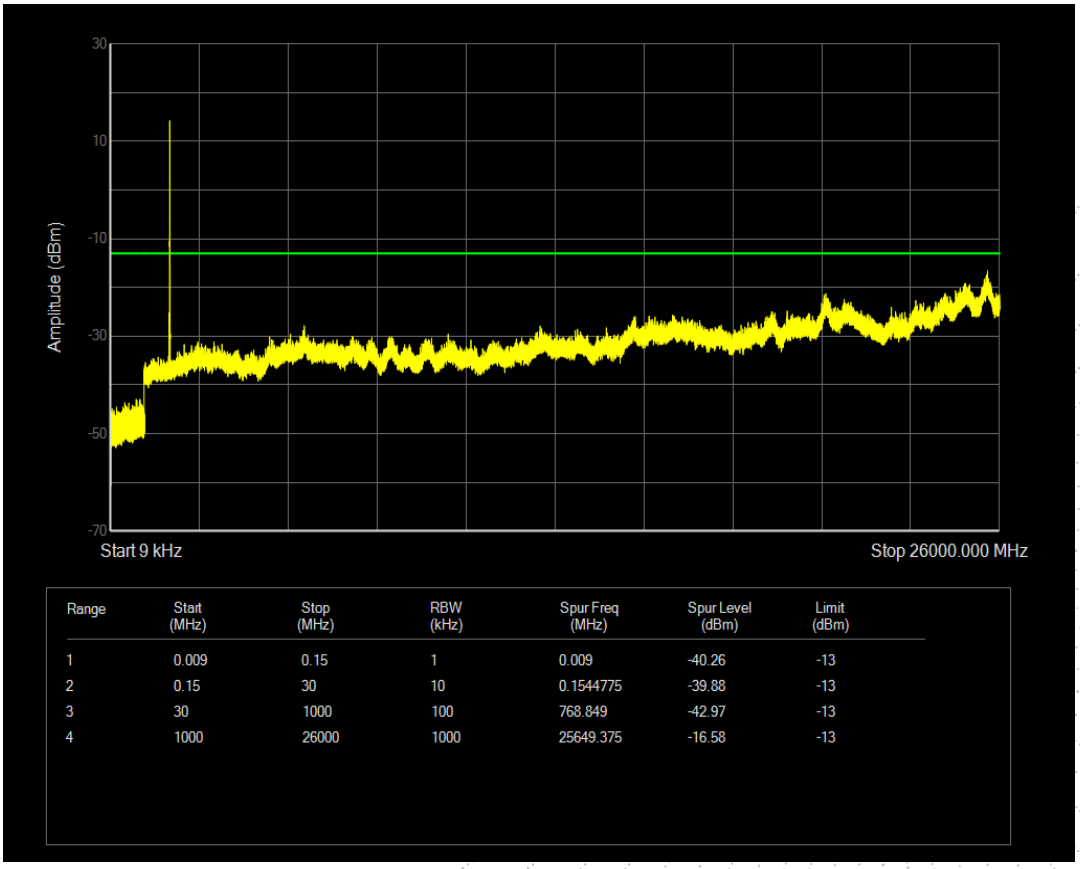
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00978255	-40.75	-13
2	0.15	30	10	0.15223875	-40.65	-13
3	30	1000	100	892.718	-43.05	-13
4	1000	26000	1000	25686.25	-17.64	-13

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



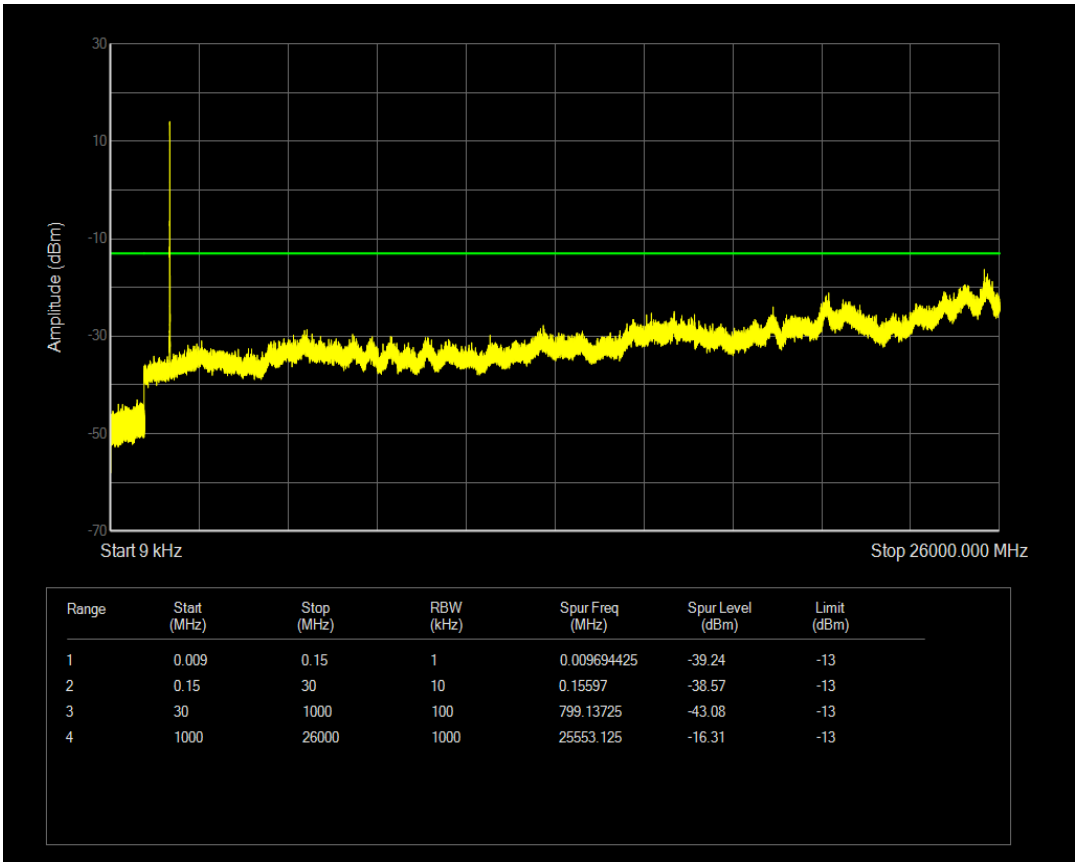
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0108894	-39.5	-13
2	0.15	30	10	0.16194	-39.49	-13
3	30	1000	100	776.0755	-43.42	-13
4	1000	26000	1000	25632.5	-18.07	-13

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



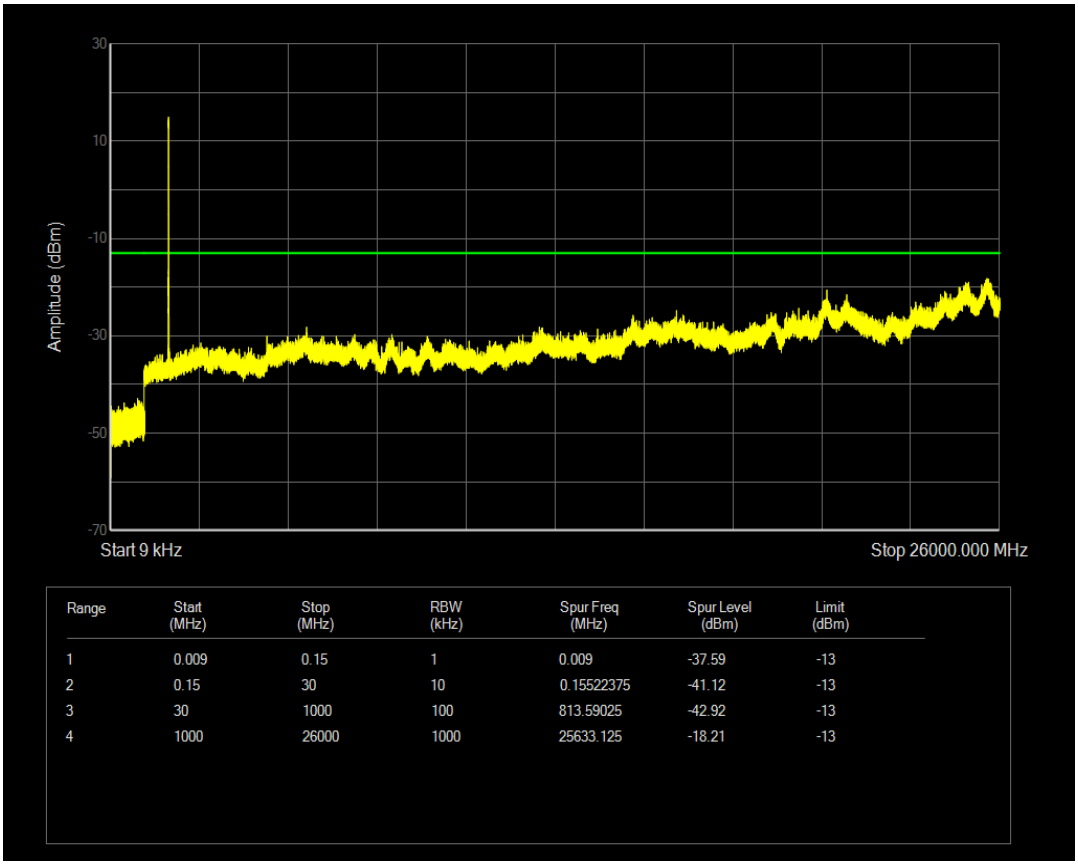
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-40.26	-13
2	0.15	30	10	0.1544775	-39.88	-13
3	30	1000	100	768.849	-42.97	-13
4	1000	26000	1000	25649.375	-16.58	-13

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



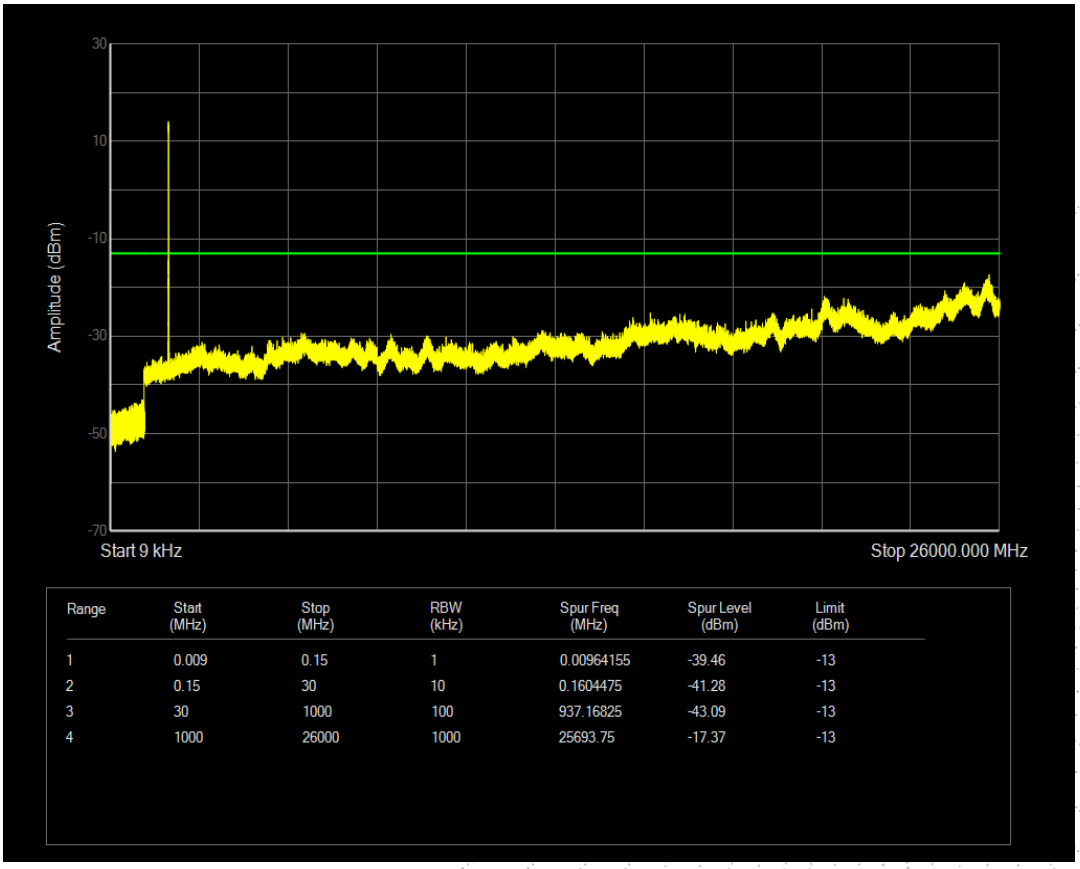
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009694425	-39.24	-13
2	0.15	30	10	0.15597	-38.57	-13
3	30	1000	100	799.13725	-43.08	-13
4	1000	26000	1000	25553.125	-16.31	-13

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



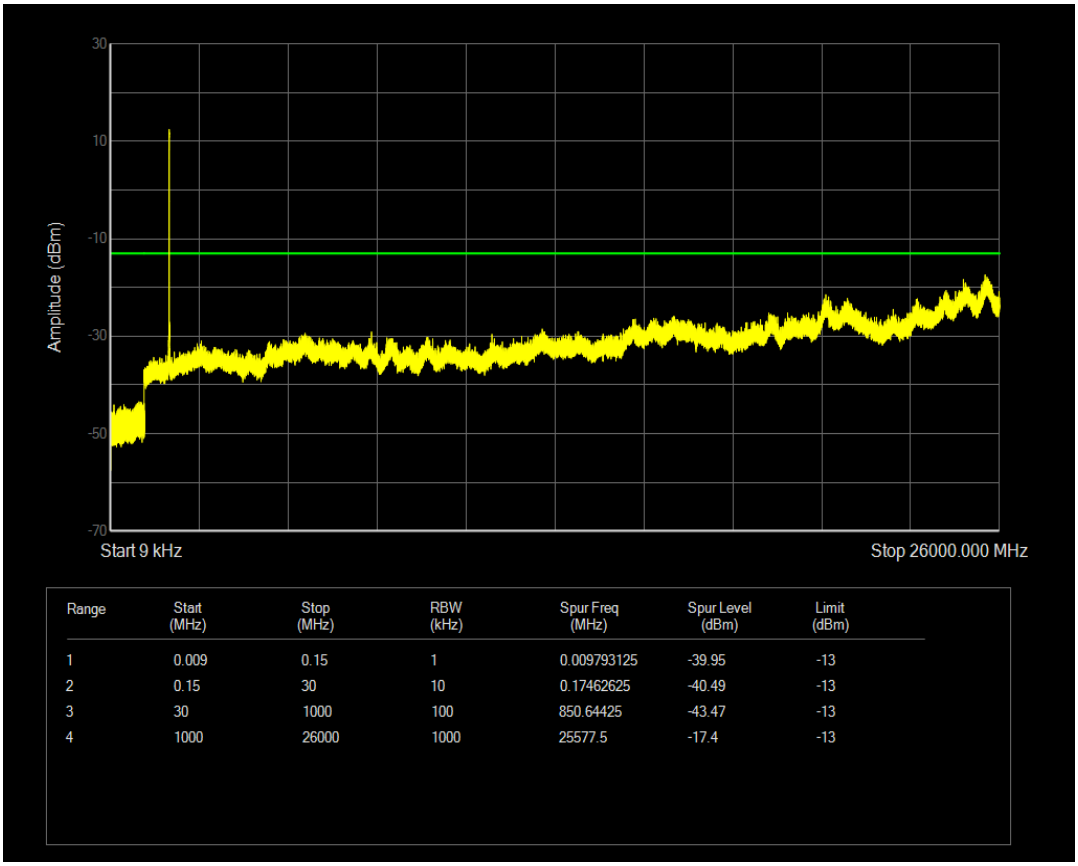
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-37.59	-13
2	0.15	30	10	0.15522375	-41.12	-13
3	30	1000	100	813.59025	-42.92	-13
4	1000	26000	1000	25633.125	-18.21	-13

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



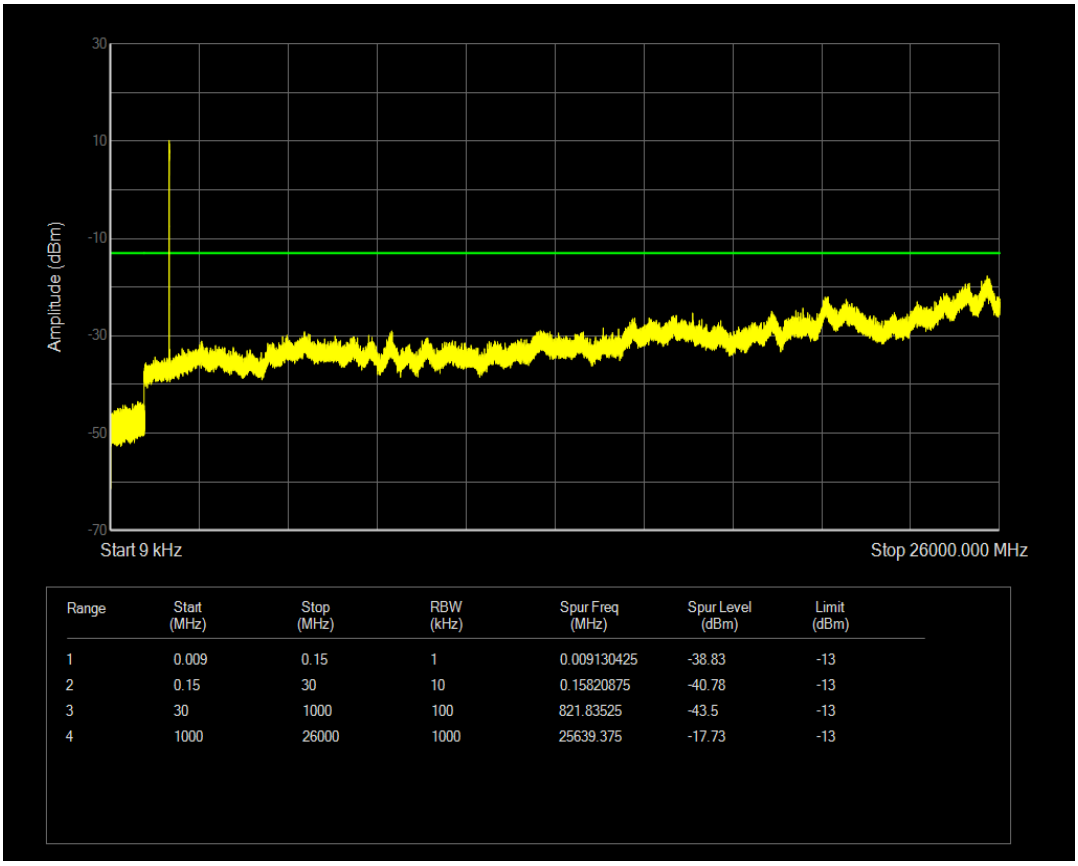
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00964155	-39.46	-13
2	0.15	30	10	0.1604475	-41.28	-13
3	30	1000	100	937.16825	-43.09	-13
4	1000	26000	1000	25693.75	-17.37	-13

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



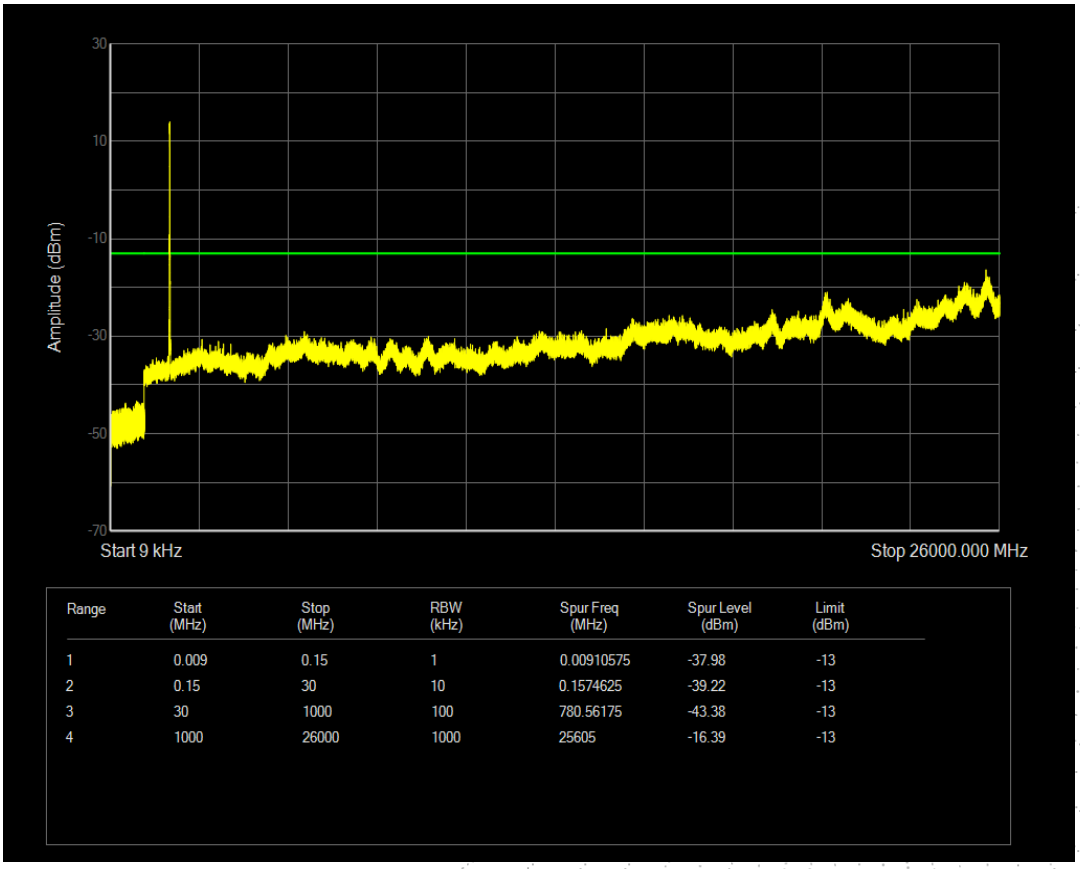
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009793125	-39.95	-13
2	0.15	30	10	0.17462625	-40.49	-13
3	30	1000	100	850.64425	-43.47	-13
4	1000	26000	1000	25577.5	-17.4	-13

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



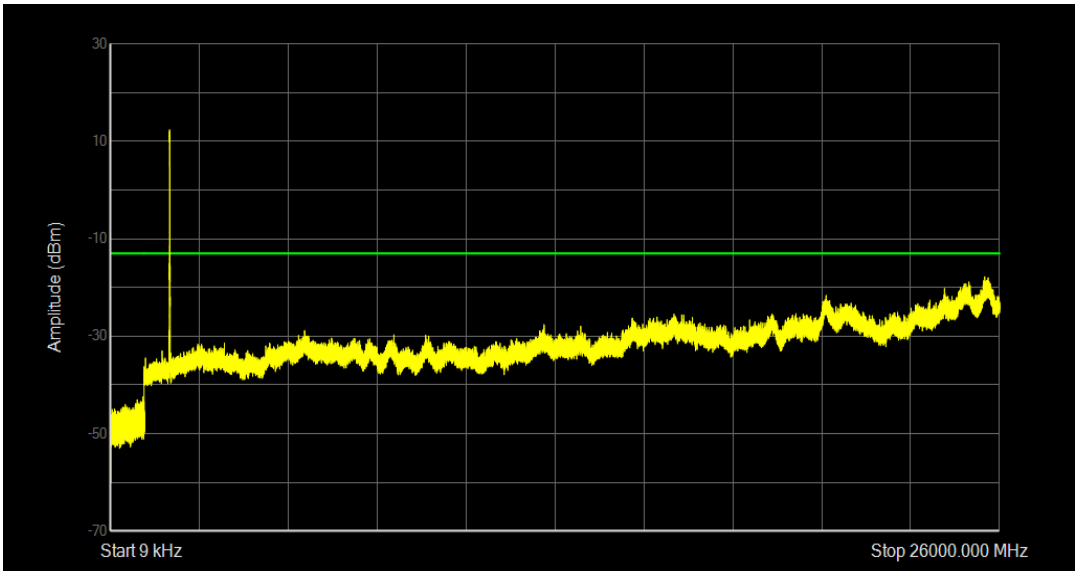
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009130425	-38.83	-13
2	0.15	30	10	0.15820875	-40.78	-13
3	30	1000	100	821.83525	-43.5	-13
4	1000	26000	1000	25639.375	-17.73	-13

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



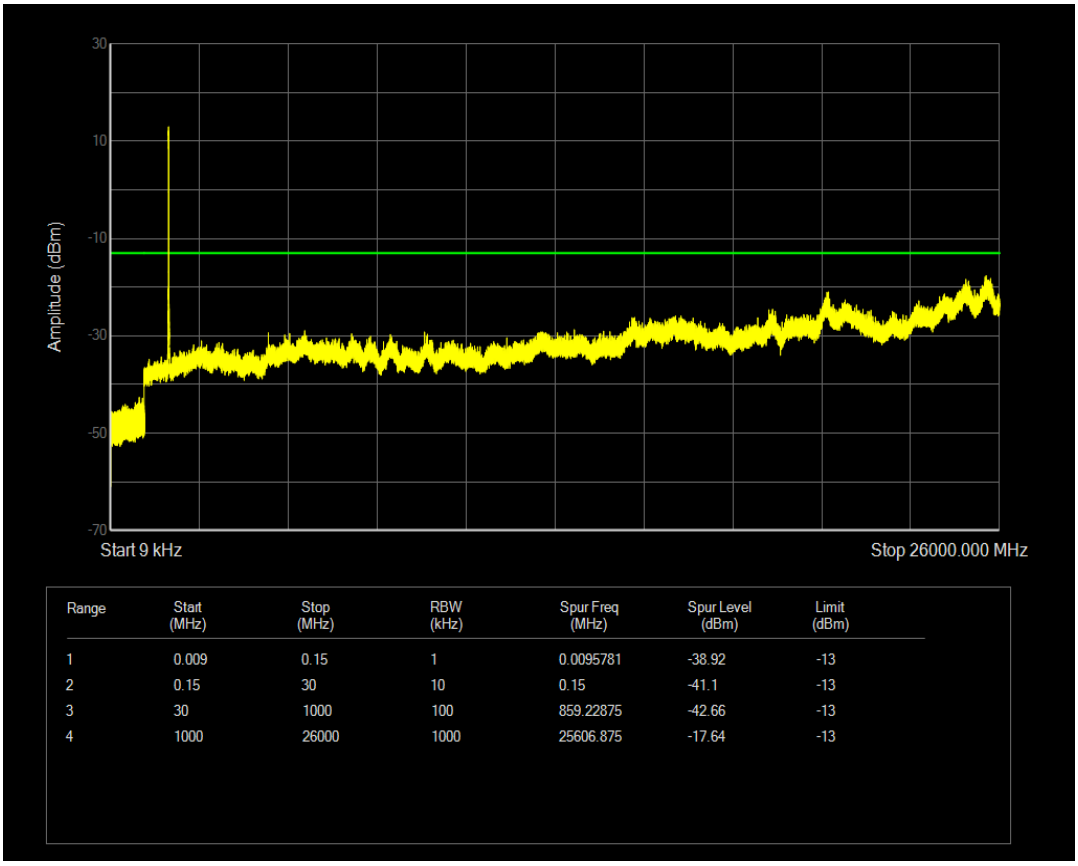
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00910575	-37.98	-13
2	0.15	30	10	0.1574625	-39.22	-13
3	30	1000	100	780.56175	-43.38	-13
4	1000	26000	1000	25605	-16.39	-13

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



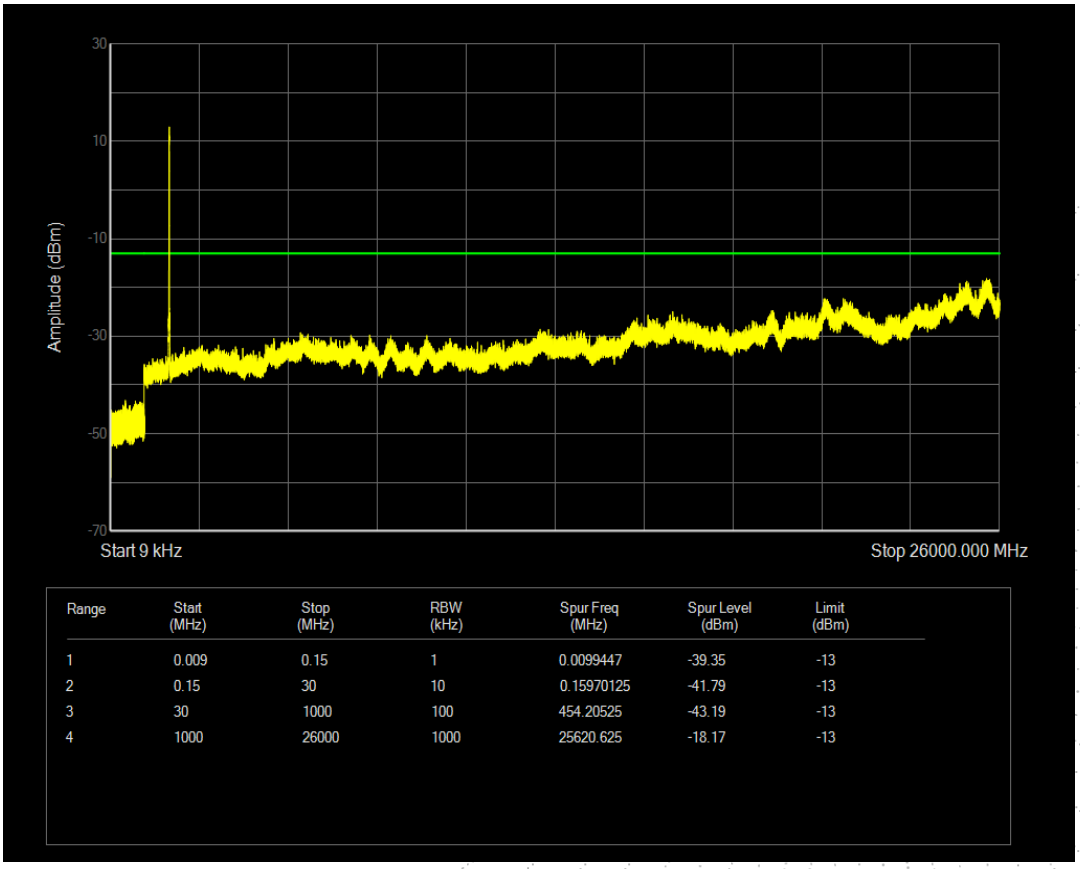
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00906345	-39.73	-13
2	0.15	30	10	0.15223875	-40.09	-13
3	30	1000	100	966.2925	-42.44	-13
4	1000	26000	1000	25566.25	-17.8	-13

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



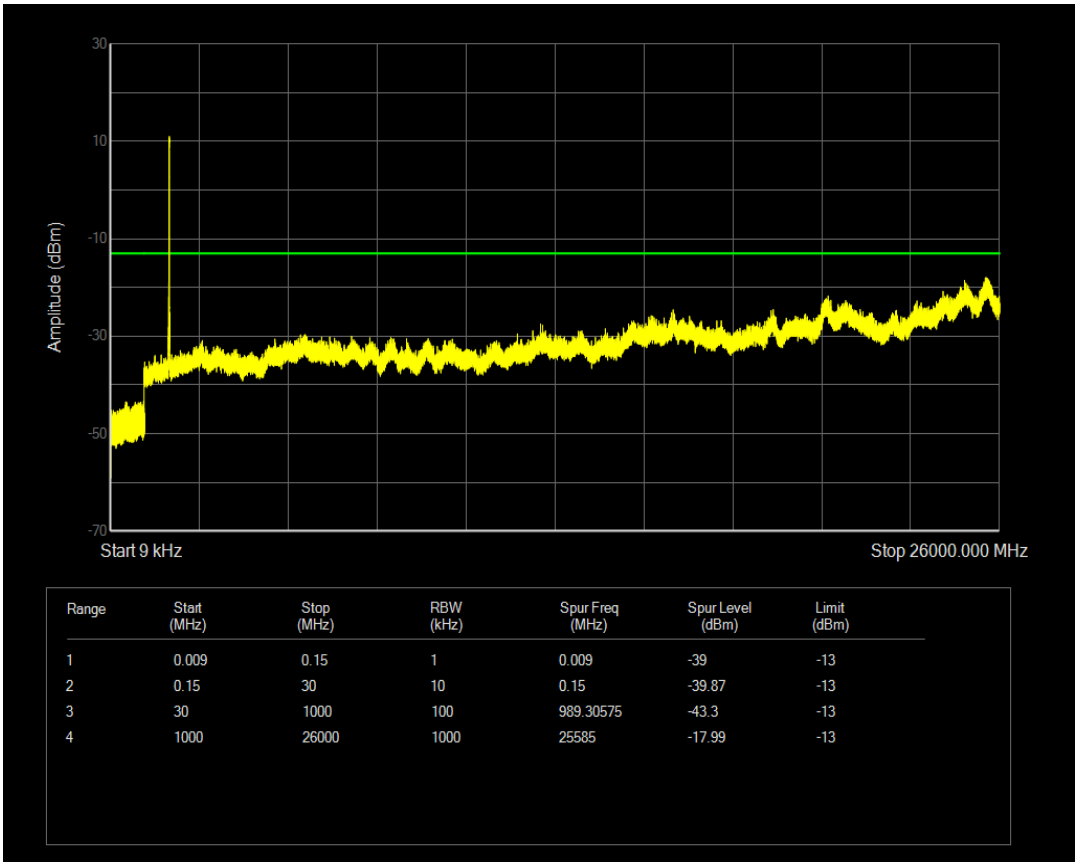
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095781	-38.92	-13
2	0.15	30	10	0.15	-41.1	-13
3	30	1000	100	859.22875	-42.66	-13
4	1000	26000	1000	25606.875	-17.64	-13

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



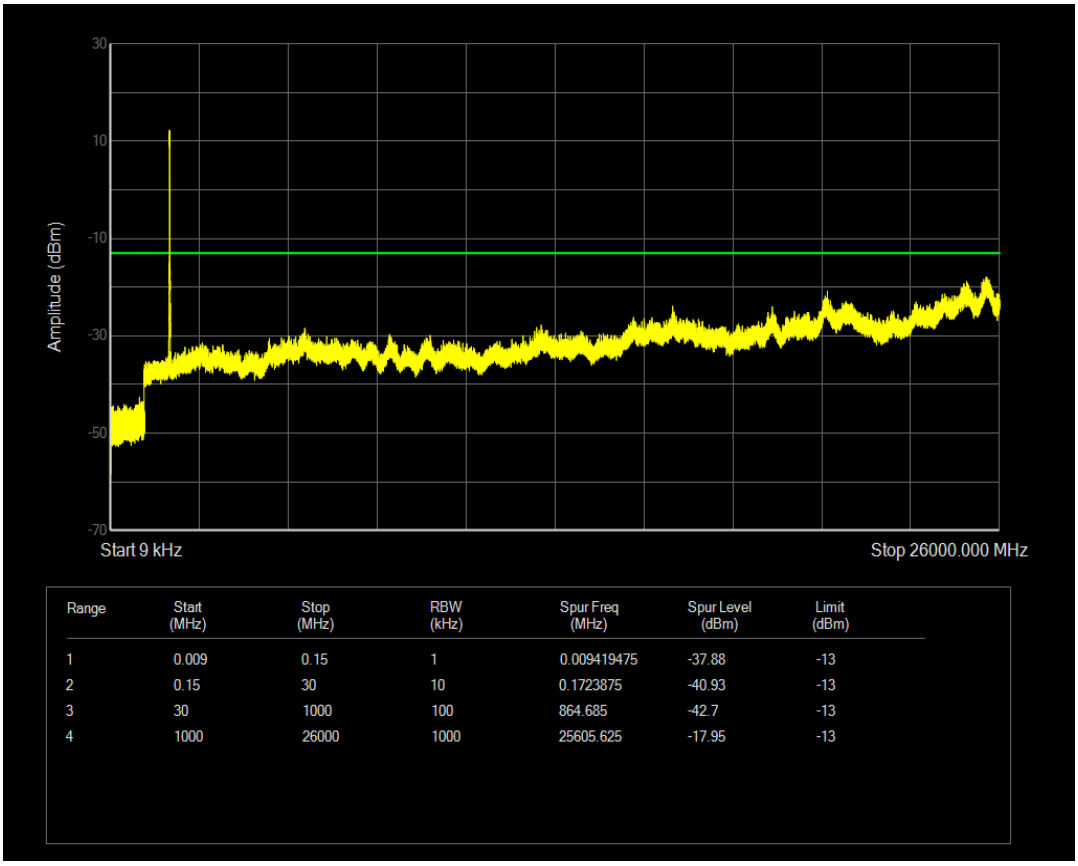
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099447	-39.35	-13
2	0.15	30	10	0.15970125	-41.79	-13
3	30	1000	100	454.20525	-43.19	-13
4	1000	26000	1000	25620.625	-18.17	-13

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



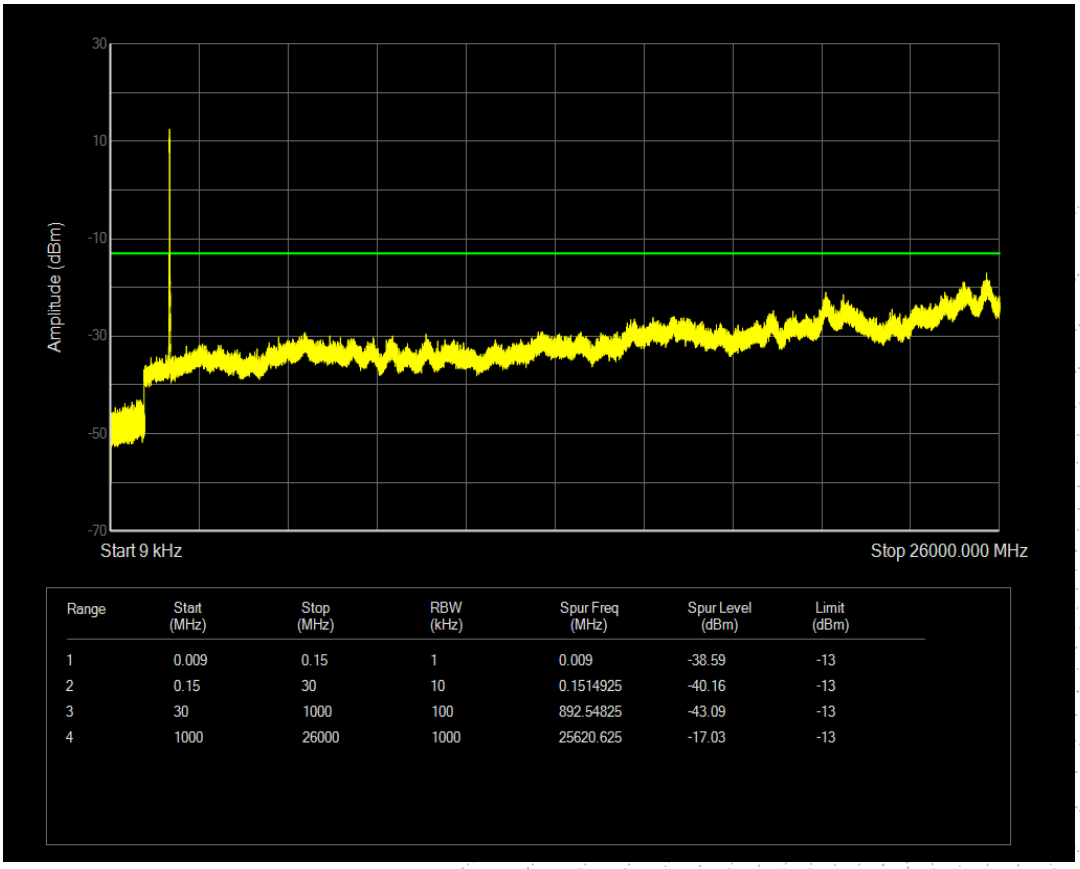
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39	-13
2	0.15	30	10	0.15	-39.87	-13
3	30	1000	100	989.30575	-43.3	-13
4	1000	26000	1000	25585	-17.99	-13

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



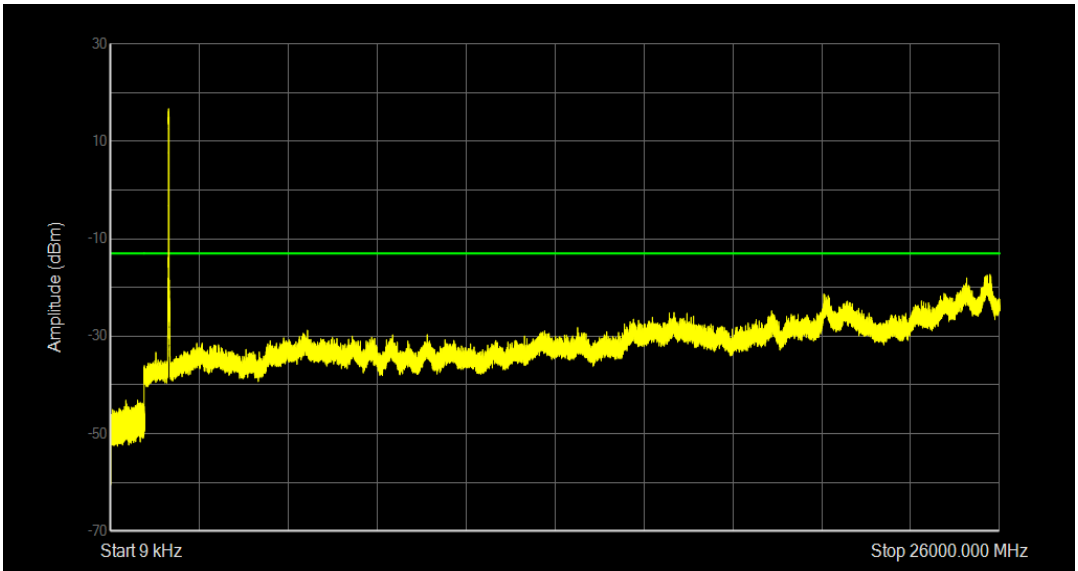
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009419475	-37.88	-13
2	0.15	30	10	0.1723875	-40.93	-13
3	30	1000	100	864.685	-42.7	-13
4	1000	26000	1000	25605.625	-17.95	-13

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



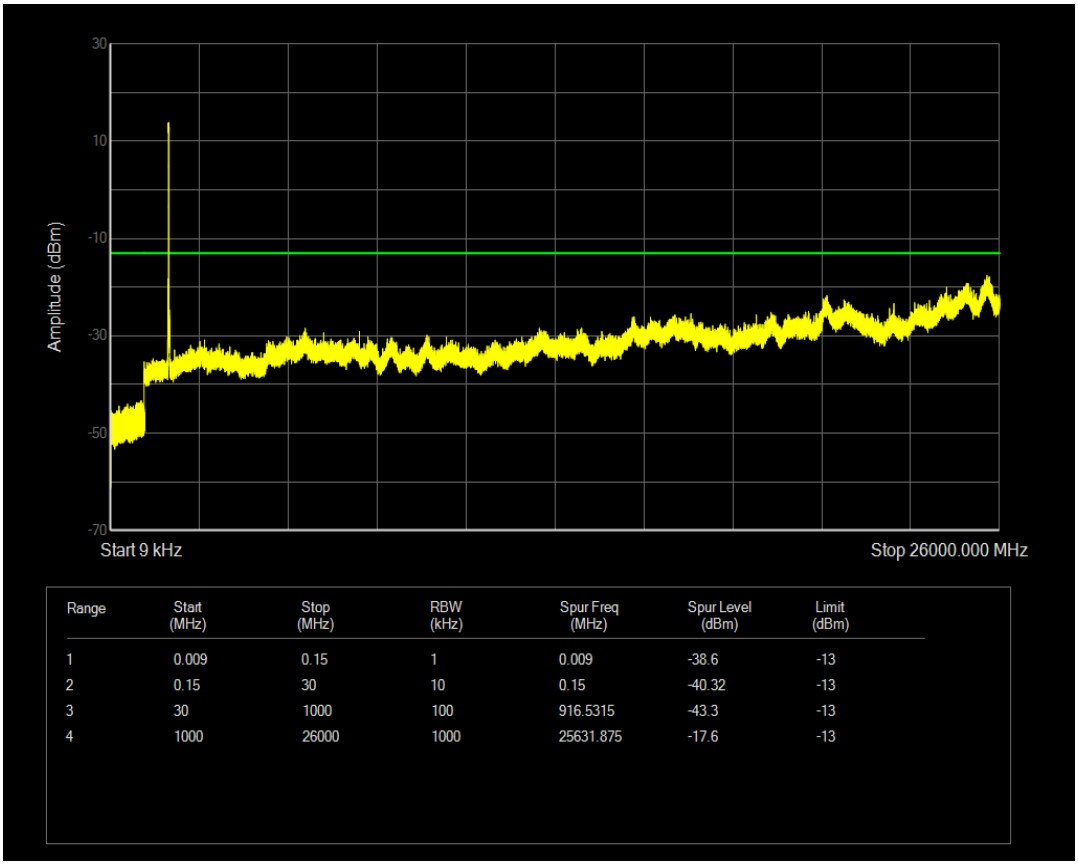
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-38.59	-13
2	0.15	30	10	0.1514925	-40.16	-13
3	30	1000	100	892.54825	-43.09	-13
4	1000	26000	1000	25620.625	-17.03	-13

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



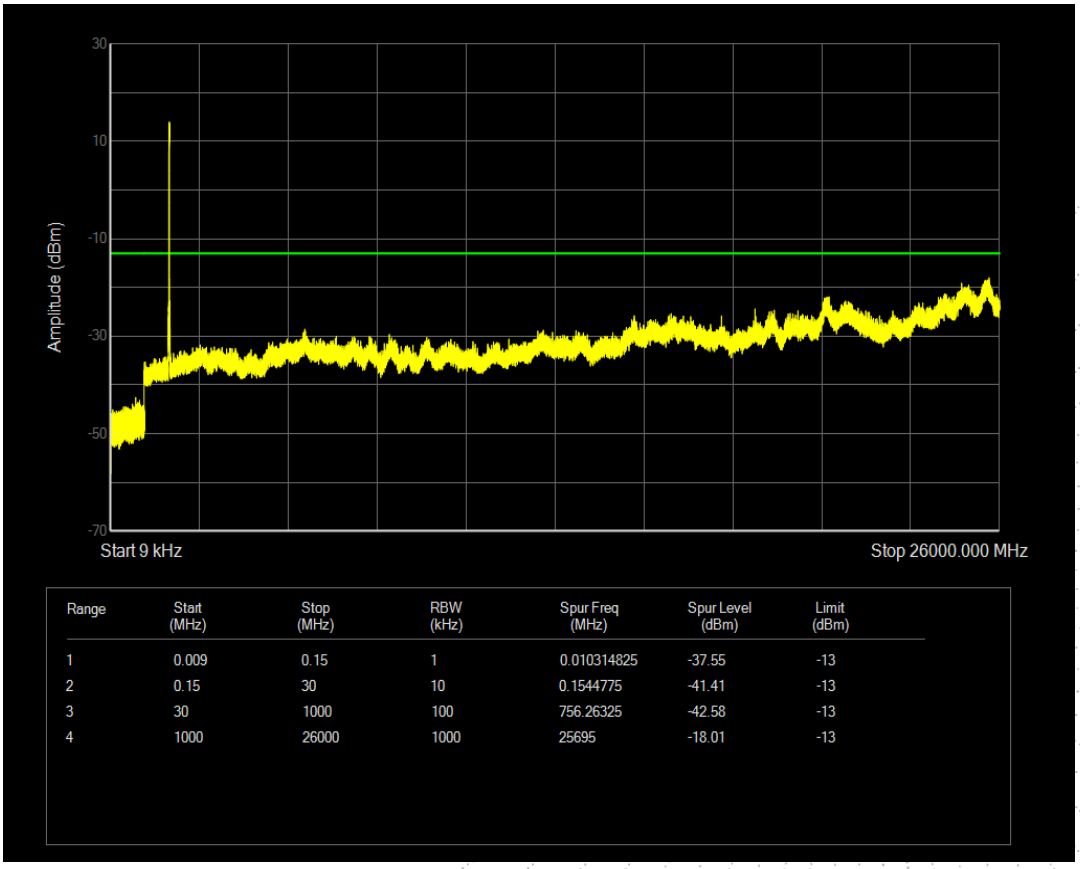
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010533375	-37.7	-13
2	0.15	30	10	0.15	-40.62	-13
3	30	1000	100	811.26225	-43.16	-13
4	1000	26000	1000	25720	-17.32	-13

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



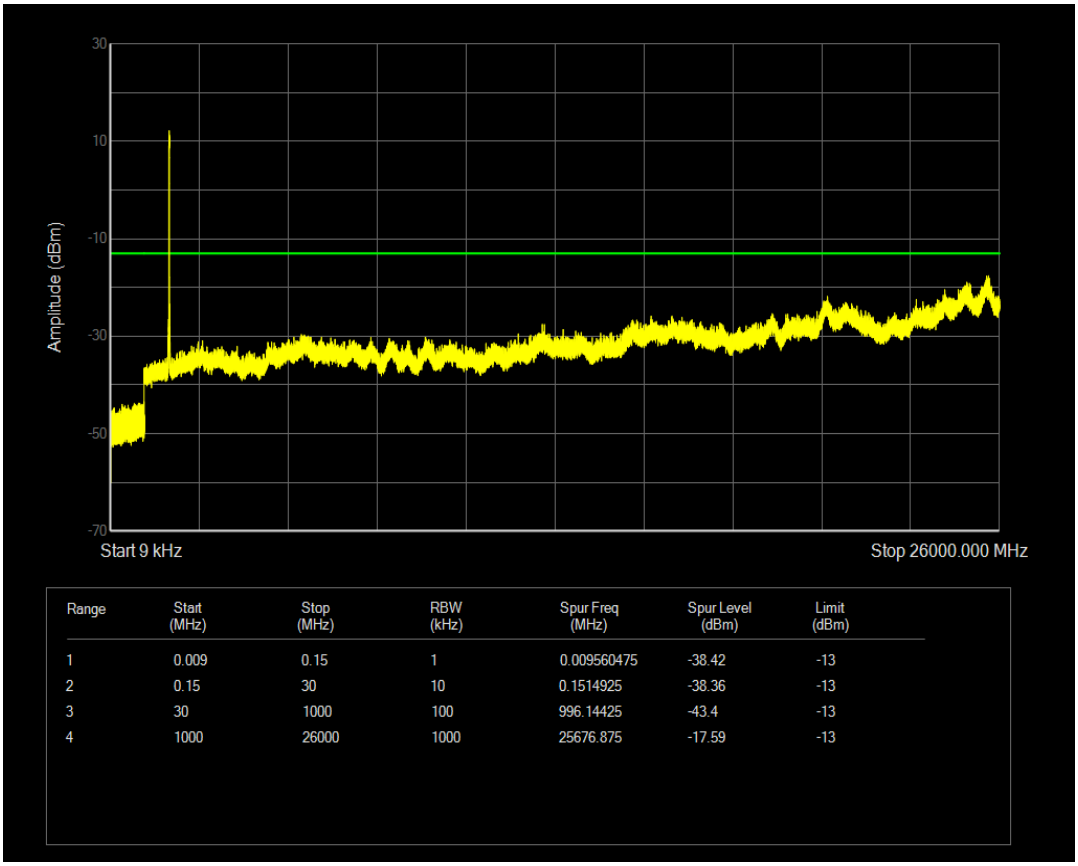
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-38.6	-13
2	0.15	30	10	0.15	-40.32	-13
3	30	1000	100	916.5315	-43.3	-13
4	1000	26000	1000	25631.875	-17.6	-13

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



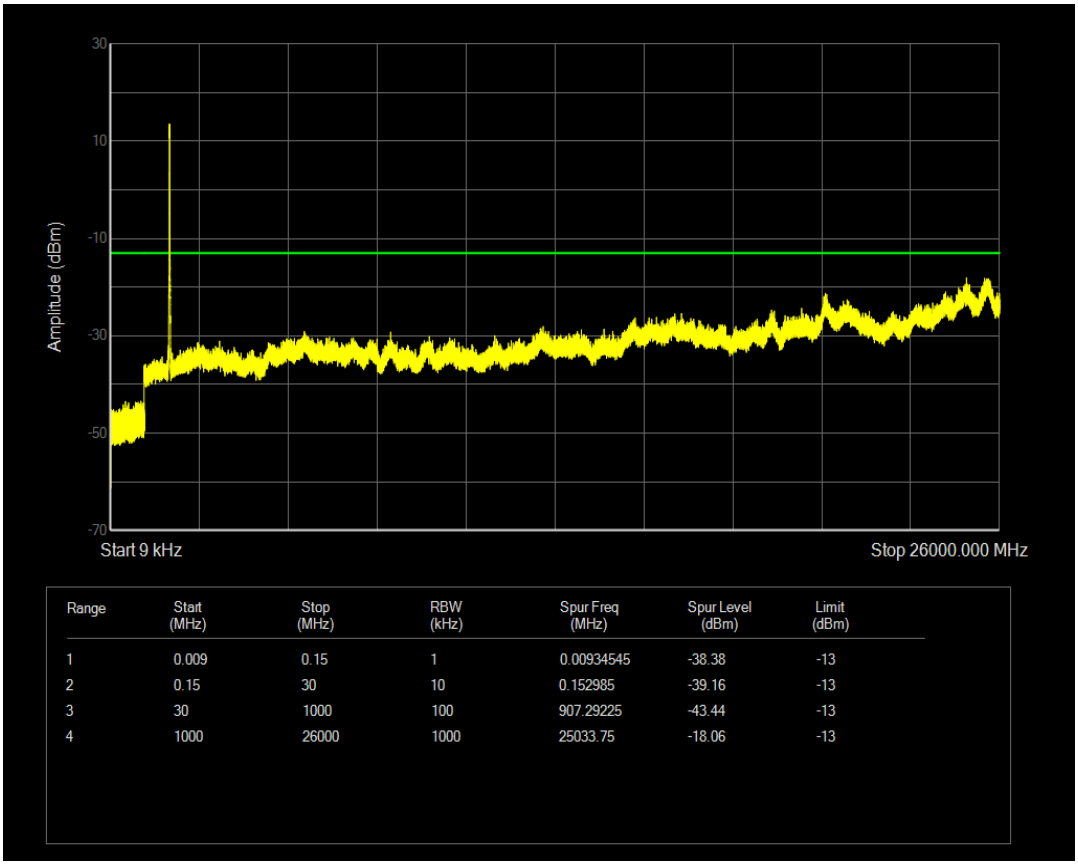
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010314825	-37.55	-13
2	0.15	30	10	0.1544775	-41.41	-13
3	30	1000	100	756.26325	-42.58	-13
4	1000	26000	1000	25695	-18.01	-13

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



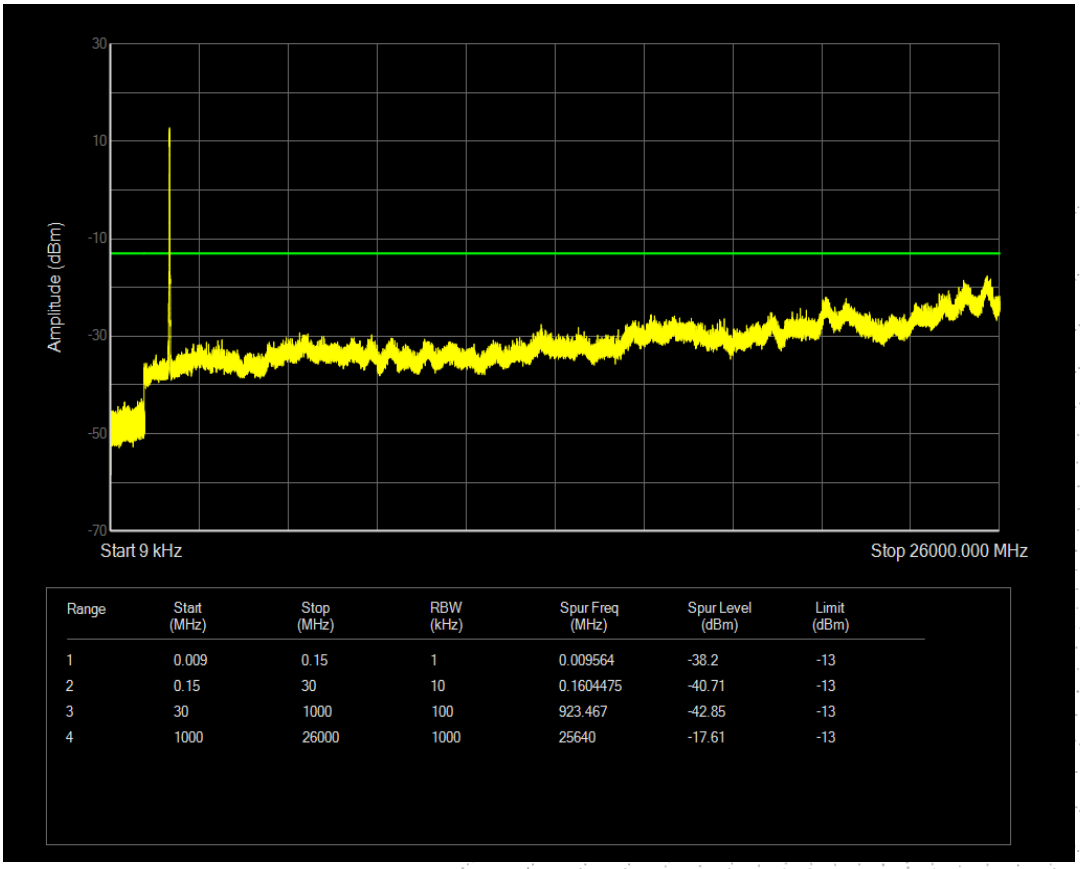
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009560475	-38.42	-13
2	0.15	30	10	0.1514925	-38.36	-13
3	30	1000	100	996.14425	-43.4	-13
4	1000	26000	1000	25676.875	-17.59	-13

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	0.00934545	-38.38	-13
2	0.15	30	10	0.152985	-39.16	-13
3	30	1000	100	907.29225	-43.44	-13
4	1000	26000	1000	25033.75	-18.06	-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	0.009564	-38.2	-13
2	0.15	30	10	0.1604475	-40.71	-13
3	30	1000	100	923.467	-42.85	-13
4	1000	26000	1000	25640	-17.61	-13