

Appendix for Band 4

FCC ID: 2BMTM-DOGZE4G

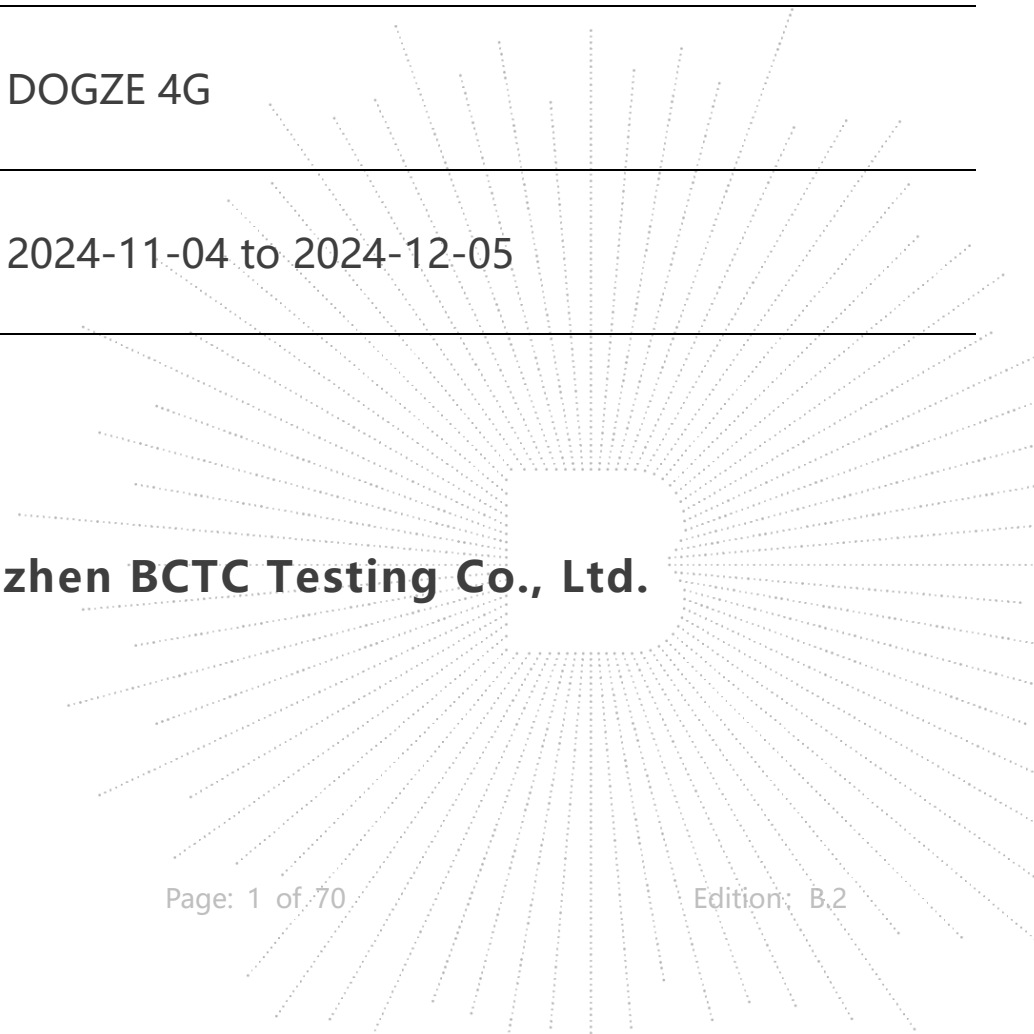
Report No.: BCTC2411568200-2E

Applicant: M2AiM Services LLC

Product Name: GPS collar for Hunting Dogs

Test Model: DOGZE 4G

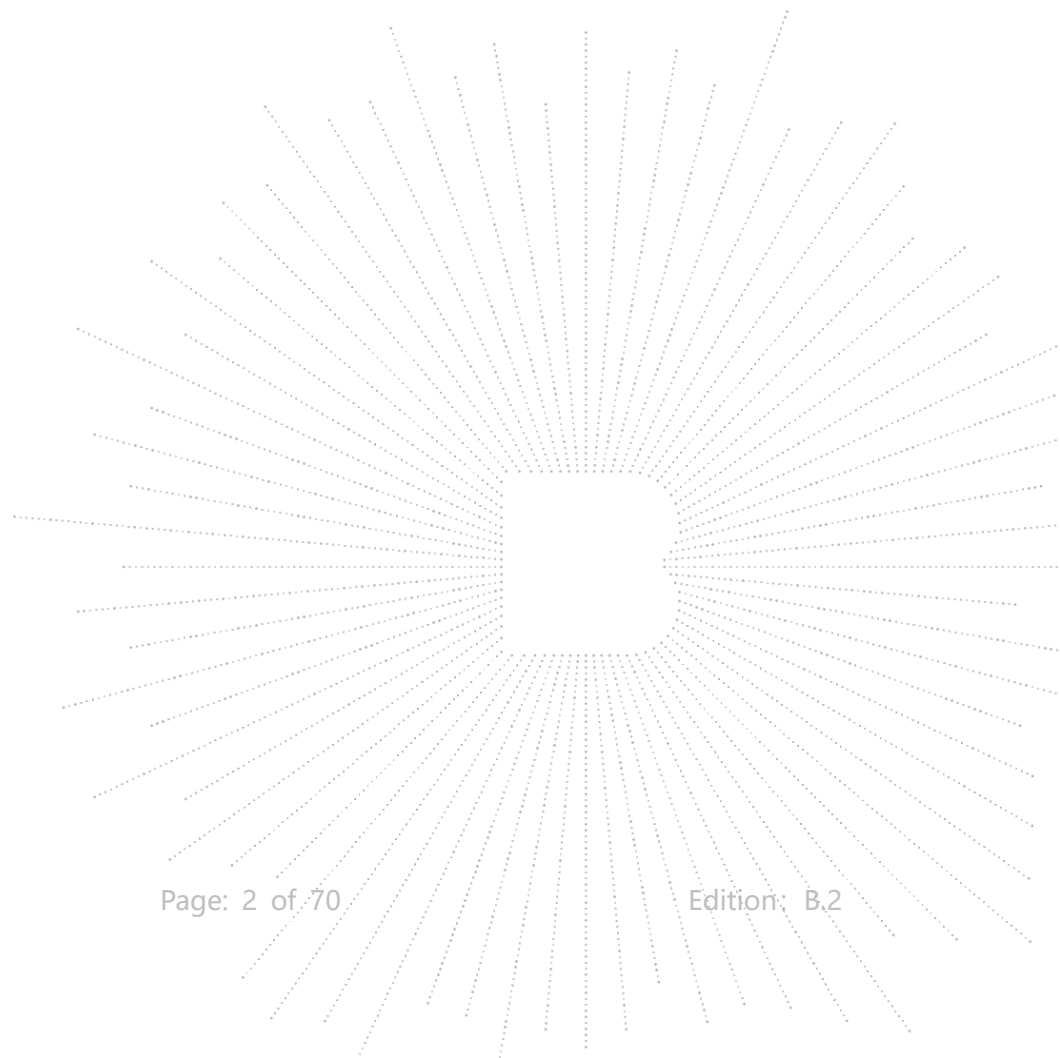
Tested Date: 2024-11-04 to 2024-12-05



Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

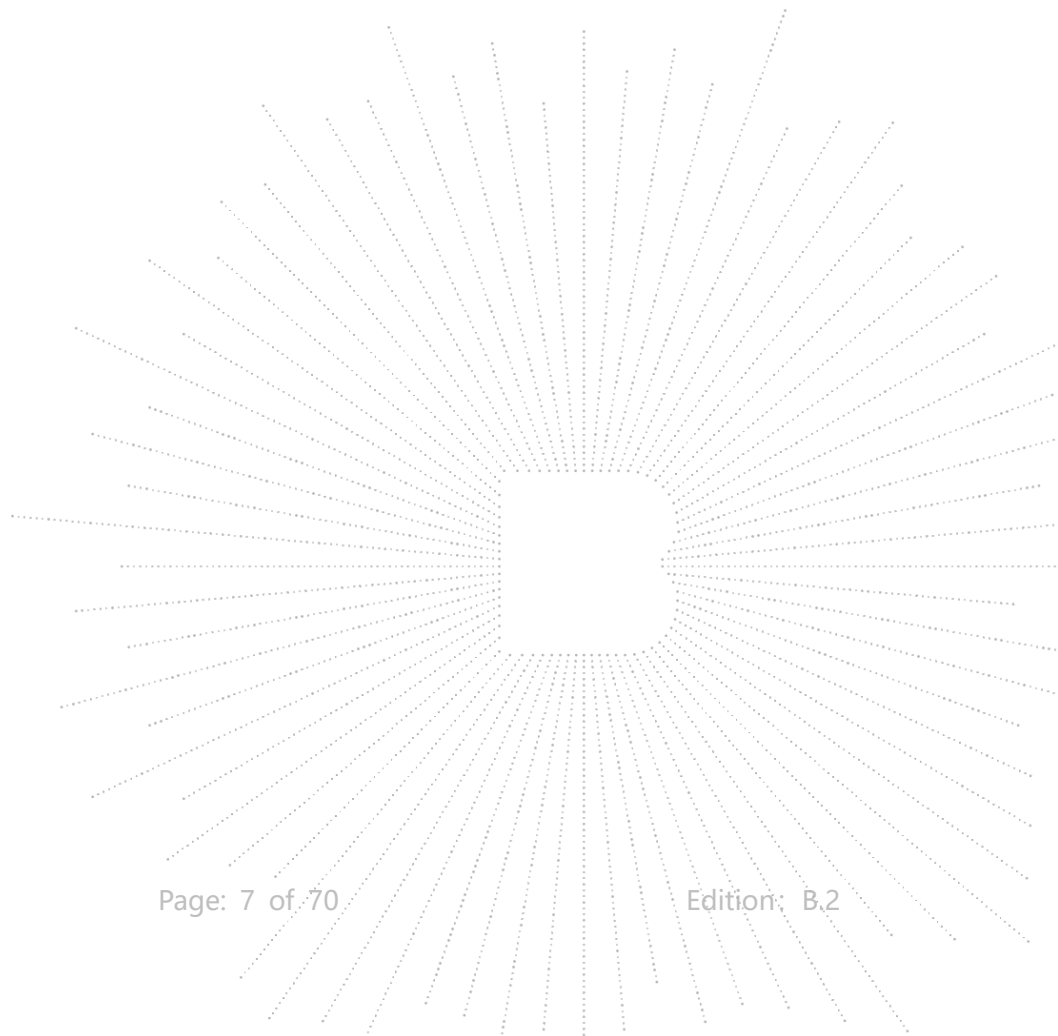
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	21.61	1	22.61	PASS
Band4	1.4	19957	1	#Mid	QPSK	21.54	1	22.54	PASS
Band4	1.4	19957	1	#Max	QPSK	21.36	1	22.36	PASS
Band4	1.4	19957	3	#0	QPSK	21.34	1	22.34	PASS
Band4	1.4	19957	3	#Mid	QPSK	21.32	1	22.32	PASS
Band4	1.4	19957	3	#Max	QPSK	21.23	1	22.23	PASS
Band4	1.4	19957	6	#0	QPSK	20.37	1	21.37	PASS
Band4	1.4	19957	1	#0	16QAM	20.71	1	21.71	PASS
Band4	1.4	19957	1	#Mid	16QAM	20.65	1	21.65	PASS
Band4	1.4	19957	1	#Max	16QAM	20.64	1	21.64	PASS
Band4	1.4	19957	3	#0	16QAM	20.68	1	21.68	PASS
Band4	1.4	19957	3	#Mid	16QAM	20.63	1	21.63	PASS
Band4	1.4	19957	3	#Max	16QAM	20.59	1	21.59	PASS
Band4	1.4	19957	6	#0	16QAM	19.75	1	20.75	PASS
Band4	1.4	20175	1	#0	QPSK	22.08	1	23.08	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.11	1	23.11	PASS
Band4	1.4	20175	1	#Max	QPSK	22.11	1	23.11	PASS
Band4	1.4	20175	3	#0	QPSK	22.07	1	23.07	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.07	1	23.07	PASS
Band4	1.4	20175	3	#Max	QPSK	22.10	1	23.10	PASS
Band4	1.4	20175	6	#0	QPSK	21.15	1	22.15	PASS
Band4	1.4	20175	1	#0	16QAM	21.36	1	22.36	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.39	1	22.39	PASS
Band4	1.4	20175	1	#Max	16QAM	21.49	1	22.49	PASS
Band4	1.4	20175	3	#0	16QAM	21.40	1	22.40	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.44	1	22.44	PASS
Band4	1.4	20175	3	#Max	16QAM	21.47	1	22.47	PASS
Band4	1.4	20175	6	#0	16QAM	20.39	1	21.39	PASS
Band4	1.4	20393	1	#0	QPSK	22.04	1	23.04	PASS
Band4	1.4	20393	1	#Mid	QPSK	21.99	1	22.99	PASS
Band4	1.4	20393	1	#Max	QPSK	21.88	1	22.88	PASS
Band4	1.4	20393	3	#0	QPSK	21.89	1	22.89	PASS
Band4	1.4	20393	3	#Mid	QPSK	21.86	1	22.86	PASS
Band4	1.4	20393	3	#Max	QPSK	21.83	1	22.83	PASS
Band4	1.4	20393	6	#0	QPSK	20.97	1	21.97	PASS
Band4	1.4	20393	1	#0	16QAM	20.96	1	21.96	PASS
Band4	1.4	20393	1	#Mid	16QAM	20.98	1	21.98	PASS
Band4	1.4	20393	1	#Max	16QAM	20.96	1	21.96	PASS

Band4	1.4	20393	3	#0	16QAM	21.22	1	22.22	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.20	1	22.20	PASS
Band4	1.4	20393	3	#Max	16QAM	21.20	1	22.20	PASS
Band4	1.4	20393	6	#0	16QAM	20.38	1	21.38	PASS
Band4	3	19965	1	#0	QPSK	21.34	1	22.34	PASS
Band4	3	19965	1	#Mid	QPSK	21.16	1	22.16	PASS
Band4	3	19965	1	#Max	QPSK	20.87	1	21.87	PASS
Band4	3	19965	8	#0	QPSK	20.25	1	21.25	PASS
Band4	3	19965	8	#Mid	QPSK	20.21	1	21.21	PASS
Band4	3	19965	8	#Max	QPSK	20.08	1	21.08	PASS
Band4	3	19965	15	#0	QPSK	20.21	1	21.21	PASS
Band4	3	19965	1	#0	16QAM	20.75	1	21.75	PASS
Band4	3	19965	1	#Mid	16QAM	20.71	1	21.71	PASS
Band4	3	19965	1	#Max	16QAM	20.45	1	21.45	PASS
Band4	3	19965	8	#0	16QAM	19.45	1	20.45	PASS
Band4	3	19965	8	#Mid	16QAM	19.46	1	20.46	PASS
Band4	3	19965	8	#Max	16QAM	19.34	1	20.34	PASS
Band4	3	19965	15	#0	16QAM	19.46	1	20.46	PASS
Band4	3	20175	1	#0	QPSK	21.98	1	22.98	PASS
Band4	3	20175	1	#Mid	QPSK	22.13	1	23.13	PASS
Band4	3	20175	1	#Max	QPSK	22.17	1	23.17	PASS
Band4	3	20175	8	#0	QPSK	20.99	1	21.99	PASS
Band4	3	20175	8	#Mid	QPSK	21.07	1	22.07	PASS
Band4	3	20175	8	#Max	QPSK	21.16	1	22.16	PASS
Band4	3	20175	15	#0	QPSK	21.07	1	22.07	PASS
Band4	3	20175	1	#0	16QAM	21.24	1	22.24	PASS
Band4	3	20175	1	#Mid	16QAM	21.38	1	22.38	PASS
Band4	3	20175	1	#Max	16QAM	21.52	1	22.52	PASS
Band4	3	20175	8	#0	16QAM	20.17	1	21.17	PASS
Band4	3	20175	8	#Mid	16QAM	20.29	1	21.29	PASS
Band4	3	20175	8	#Max	16QAM	20.34	1	21.34	PASS
Band4	3	20175	15	#0	16QAM	20.25	1	21.25	PASS
Band4	3	20385	1	#0	QPSK	22.01	1	23.01	PASS
Band4	3	20385	1	#Mid	QPSK	21.94	1	22.94	PASS
Band4	3	20385	1	#Max	QPSK	21.78	1	22.78	PASS
Band4	3	20385	8	#0	QPSK	20.98	1	21.98	PASS
Band4	3	20385	8	#Mid	QPSK	21.06	1	22.06	PASS
Band4	3	20385	8	#Max	QPSK	20.99	1	21.99	PASS
Band4	3	20385	15	#0	QPSK	21.04	1	22.04	PASS
Band4	3	20385	1	#0	16QAM	20.98	1	21.98	PASS
Band4	3	20385	1	#Mid	16QAM	21.04	1	22.04	PASS
Band4	3	20385	1	#Max	16QAM	20.86	1	21.86	PASS
Band4	3	20385	8	#0	16QAM	20.20	1	21.20	PASS

Band4	3	20385	8	#Mid	16QAM	20.21	1	21.21	PASS
Band4	3	20385	8	#Max	16QAM	20.19	1	21.19	PASS
Band4	3	20385	15	#0	16QAM	20.26	1	21.26	PASS
Band4	5	19975	1	#0	QPSK	21.56	1	22.56	PASS
Band4	5	19975	1	#Mid	QPSK	21.07	1	22.07	PASS
Band4	5	19975	1	#Max	QPSK	20.86	1	21.86	PASS
Band4	5	19975	12	#0	QPSK	20.17	1	21.17	PASS
Band4	5	19975	12	#Mid	QPSK	20.06	1	21.06	PASS
Band4	5	19975	12	#Max	QPSK	19.92	1	20.92	PASS
Band4	5	19975	25	#0	QPSK	19.99	1	20.99	PASS
Band4	5	19975	1	#0	16QAM	21.00	1	22.00	PASS
Band4	5	19975	1	#Mid	16QAM	20.65	1	21.65	PASS
Band4	5	19975	1	#Max	16QAM	20.54	1	21.54	PASS
Band4	5	19975	12	#0	16QAM	19.34	1	20.34	PASS
Band4	5	19975	12	#Mid	16QAM	19.30	1	20.30	PASS
Band4	5	19975	12	#Max	16QAM	19.11	1	20.11	PASS
Band4	5	19975	25	#0	16QAM	19.19	1	20.19	PASS
Band4	5	20175	1	#0	QPSK	22.05	1	23.05	PASS
Band4	5	20175	1	#Mid	QPSK	22.09	1	23.09	PASS
Band4	5	20175	1	#Max	QPSK	22.33	1	23.33	PASS
Band4	5	20175	12	#0	QPSK	20.94	1	21.94	PASS
Band4	5	20175	12	#Mid	QPSK	21.14	1	22.14	PASS
Band4	5	20175	12	#Max	QPSK	21.22	1	22.22	PASS
Band4	5	20175	25	#0	QPSK	21.10	1	22.10	PASS
Band4	5	20175	1	#0	16QAM	21.30	1	22.30	PASS
Band4	5	20175	1	#Mid	16QAM	21.54	1	22.54	PASS
Band4	5	20175	1	#Max	16QAM	21.79	1	22.79	PASS
Band4	5	20175	12	#0	16QAM	20.04	1	21.04	PASS
Band4	5	20175	12	#Mid	16QAM	20.26	1	21.26	PASS
Band4	5	20175	12	#Max	16QAM	20.34	1	21.34	PASS
Band4	5	20175	25	#0	16QAM	20.27	1	21.27	PASS
Band4	5	20375	1	#0	QPSK	22.20	1	23.20	PASS
Band4	5	20375	1	#Mid	QPSK	21.94	1	22.94	PASS
Band4	5	20375	1	#Max	QPSK	21.86	1	22.86	PASS
Band4	5	20375	12	#0	QPSK	21.01	1	22.01	PASS
Band4	5	20375	12	#Mid	QPSK	21.09	1	22.09	PASS
Band4	5	20375	12	#Max	QPSK	20.95	1	21.95	PASS
Band4	5	20375	25	#0	QPSK	21.03	1	22.03	PASS
Band4	5	20375	1	#0	16QAM	21.63	1	22.63	PASS
Band4	5	20375	1	#Mid	16QAM	21.47	1	22.47	PASS
Band4	5	20375	1	#Max	16QAM	21.41	1	22.41	PASS
Band4	5	20375	12	#0	16QAM	20.27	1	21.27	PASS
Band4	5	20375	12	#Mid	16QAM	20.33	1	21.33	PASS

Band4	5	20375	12	#Max	16QAM	20.19	1	21.19	PASS
Band4	5	20375	25	#0	16QAM	20.21	1	21.21	PASS
Band4	10	20000	1	#0	QPSK	21.45	1	22.45	PASS
Band4	10	20000	1	#Mid	QPSK	20.70	1	21.70	PASS
Band4	10	20000	1	#Max	QPSK	20.17	1	21.17	PASS
Band4	10	20000	25	#0	QPSK	19.78	1	20.78	PASS
Band4	10	20000	25	#Mid	QPSK	19.65	1	20.65	PASS
Band4	10	20000	25	#Max	QPSK	19.35	1	20.35	PASS
Band4	10	20000	50	#0	QPSK	19.51	1	20.51	PASS
Band4	10	20175	1	#0	QPSK	21.47	1	22.47	PASS
Band4	10	20175	1	#Mid	QPSK	22.05	1	23.05	PASS
Band4	10	20175	1	#Max	QPSK	22.42	1	23.42	PASS
Band4	10	20175	25	#0	QPSK	20.61	1	21.61	PASS
Band4	10	20175	25	#Mid	QPSK	20.99	1	21.99	PASS
Band4	10	20175	25	#Max	QPSK	21.12	1	22.12	PASS
Band4	10	20175	50	#0	QPSK	20.86	1	21.86	PASS
Band4	10	20350	1	#0	QPSK	22.49	1	23.49	PASS
Band4	10	20350	1	#Mid	QPSK	22.05	1	23.05	PASS
Band4	10	20350	1	#Max	QPSK	21.86	1	22.86	PASS
Band4	10	20350	25	#0	QPSK	21.08	1	22.08	PASS
Band4	10	20350	25	#Mid	QPSK	21.01	1	22.01	PASS
Band4	10	20350	25	#Max	QPSK	20.84	1	21.84	PASS
Band4	10	20350	50	#0	QPSK	20.88	1	21.88	PASS
Band4	15	20025	1	#0	QPSK	21.73	1	22.73	PASS
Band4	15	20025	1	#Mid	QPSK	20.86	1	21.86	PASS
Band4	15	20025	1	#Max	QPSK	20.70	1	21.70	PASS
Band4	15	20025	36	#0	QPSK	20.21	1	21.21	PASS
Band4	15	20025	36	#Mid	QPSK	19.73	1	20.73	PASS
Band4	15	20025	36	#Max	QPSK	19.40	1	20.40	PASS
Band4	15	20025	75	#0	QPSK	21.23	1	22.23	PASS
Band4	15	20175	1	#0	QPSK	21.09	1	22.09	PASS
Band4	15	20175	1	#Mid	QPSK	21.89	1	22.89	PASS
Band4	15	20175	1	#Max	QPSK	22.41	1	23.41	PASS
Band4	15	20175	36	#0	QPSK	20.22	1	21.22	PASS
Band4	15	20175	36	#Mid	QPSK	20.72	1	21.72	PASS
Band4	15	20175	36	#Max	QPSK	21.01	1	22.01	PASS
Band4	15	20175	75	#0	QPSK	21.60	1	22.60	PASS
Band4	15	20325	1	#0	QPSK	22.62	1	23.62	PASS
Band4	15	20325	1	#Mid	QPSK	22.80	1	23.80	PASS
Band4	15	20325	1	#Max	QPSK	22.61	1	23.61	PASS
Band4	15	20325	36	#0	QPSK	21.51	1	22.51	PASS
Band4	15	20325	36	#Mid	QPSK	21.62	1	22.62	PASS
Band4	15	20325	36	#Max	QPSK	21.55	1	22.55	PASS

Band4	15	20325	75	#0	QPSK	22.30	1	23.30	PASS
Band4	20	20050	1	#0	QPSK	21.75	1	22.75	PASS
Band4	20	20050	1	#Mid	QPSK	20.42	1	21.42	PASS
Band4	20	20050	1	#Max	QPSK	21.20	1	22.20	PASS
Band4	20	20050	50	#0	QPSK	19.85	1	20.85	PASS
Band4	20	20050	50	#Mid	QPSK	19.39	1	20.39	PASS
Band4	20	20050	50	#Max	QPSK	19.51	1	20.51	PASS
Band4	20	20050	100	#0	QPSK	21.26	1	22.26	PASS
Band4	20	20175	1	#0	QPSK	21.02	1	22.02	PASS
Band4	20	20175	1	#Mid	QPSK	22.02	1	23.02	PASS
Band4	20	20175	1	#Max	QPSK	22.48	1	23.48	PASS
Band4	20	20175	50	#0	QPSK	19.97	1	20.97	PASS
Band4	20	20175	50	#Mid	QPSK	20.73	1	21.73	PASS
Band4	20	20175	50	#Max	QPSK	21.00	1	22.00	PASS
Band4	20	20175	100	#0	QPSK	-22.31	1	-21.31	PASS
Band4	20	20300	1	#0	QPSK	22.31	1	23.31	PASS
Band4	20	20300	1	#Mid	QPSK	22.77	1	23.77	PASS
Band4	20	20300	1	#Max	QPSK	22.67	1	23.67	PASS
Band4	20	20300	50	#0	QPSK	21.26	1	22.26	PASS
Band4	20	20300	50	#Mid	QPSK	21.55	1	22.55	PASS
Band4	20	20300	50	#Max	QPSK	21.42	1	22.42	PASS
Band4	20	20300	100	#0	QPSK	22.14	1	23.14	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-17.34	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-8.27	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-11.73	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-4.56	-0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-13.36	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-0.14	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-12.82	-0.007	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-8.78	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-2.32	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	8.55	0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	3.99	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	1.57	0.001	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-0.64	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-18.17	-0.010	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	15.06	0.009	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	6.05	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-6.27	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-2.30	-0.001	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-9.21	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-13.49	-0.008	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-9.23	-0.005	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	3.62	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	7.34	0.004	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-11.96	-0.007	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	1.40	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-2.60	-0.002	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-6.90	-0.004	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	2.05	0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	7.27	0.004	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	6.18	0.004	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-6.19	-0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	8.58	0.005	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	12.07	0.007	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-4.15	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-14.08	-0.008	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	3.29	0.002	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-17.14	-0.010	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	-14.18	-0.008	PASS

Band4	5	19975	25	#0	QPSK	HV	NT	2.96	0.002	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-1.17	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	8.30	0.005	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-6.15	-0.004	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-11.92	-0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-4.72	-0.003	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	8.67	0.005	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	14.61	0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-0.44	0.000	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	4.48	0.003	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-9.38	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	3.12	0.002	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	8.54	0.005	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-4.45	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	12.60	0.007	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	1.83	0.001	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-16.94	-0.010	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-8.00	-0.005	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-10.81	-0.006	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-4.69	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-0.67	0.000	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	5.68	0.003	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-6.52	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	7.58	0.004	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	7.38	0.004	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-9.53	-0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-11.44	-0.007	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-11.62	-0.007	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-16.38	-0.009	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-15.64	-0.009	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-10.99	-0.006	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-11.54	-0.007	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-21.83	-0.012	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-12.50	-0.007	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-6.14	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-12.30	-0.007	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-8.58	-0.005	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-10.13	-0.006	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-12.63	-0.007	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-13.49	-0.008	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-17.29	-0.010	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-14.28	-0.008	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-11.73	-0.007	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	NV	-30	-16.55	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-4.63	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-11.44	-0.007	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-4.15	-0.002	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-9.53	-0.006	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-17.45	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-1.75	-0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-5.85	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-9.01	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	0.92	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	17.14	0.010	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	7.05	0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-0.60	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	1.76	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	6.11	0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-7.77	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-3.92	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-8.67	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-11.12	-0.006	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-5.45	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-1.07	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	7.14	0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-8.00	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	3.25	0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-0.23	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	4.35	0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-0.53	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	2.89	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-0.66	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-10.33	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	4.45	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	8.88	0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	8.93	0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	0.86	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	9.78	0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-9.78	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-13.16	-0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-6.12	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-19.54	-0.011	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	9.06	0.005	PASS

Band4	1.4	20393	6	#0	QPSK	NV	10	13.15	0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-5.85	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-0.04	0.000	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-7.38	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-6.11	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	1.75	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-0.36	0.000	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	3.12	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	11.09	0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-3.48	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	2.23	0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	7.88	0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	10.46	0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	14.91	0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-12.49	-0.007	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-14.05	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	-6.84	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-8.25	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-10.21	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-5.54	-0.003	PASS
Band4	3	19965	15	#0	QPSK	NV	30	1.75	0.001	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-10.33	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	50	8.88	0.005	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	7.05	0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	4.65	0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	-1.69	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	0	12.40	0.007	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-3.79	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-2.78	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-2.55	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	40	5.75	0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	50	4.32	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-13.85	-0.008	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-1.62	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	2.57	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-9.56	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	10	9.16	0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	20	-2.65	-0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-8.41	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-9.68	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-10.86	-0.006	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-1.07	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-9.30	-0.005	PASS

Band4	3	20175	15	#0	16QAM	NV	-10	7.25	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	0	4.76	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	10	2.93	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-7.15	-0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	30	6.18	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	40	5.21	0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	50	4.53	0.003	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	0.93	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-15.09	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	0.06	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	0	0.66	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	10	2.86	0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-2.12	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-9.23	-0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	40	3.13	0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	50	0.67	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	9.34	0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	13.63	0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	4.95	0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	0	8.80	0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-1.33	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	20	1.49	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	30	9.06	0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-0.97	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	50	7.62	0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-10.91	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-7.21	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-16.39	-0.010	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-1.34	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-11.14	-0.007	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-0.19	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-6.78	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-7.10	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-7.18	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-1.85	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	-15.46	-0.009	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	-5.15	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	0	13.09	0.008	PASS
Band4	5	19975	25	#0	16QAM	NV	10	1.36	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-0.36	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-14.69	-0.009	PASS
Band4	5	19975	25	#0	16QAM	NV	40	5.06	0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	50	14.46	0.008	PASS

Band4	5	20175	25	#0	QPSK	NV	-30	-15.52	-0.009	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-2.63	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	3.52	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	0	-6.29	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	10	-9.67	-0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	20	3.03	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-7.22	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-11.37	-0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	50	-10.39	-0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-12.04	-0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-14.86	-0.009	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	2.69	0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	0	12.12	0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	10	3.56	0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	20	1.34	0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	30	9.40	0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-0.29	0.000	PASS
Band4	5	20175	25	#0	16QAM	NV	50	0.89	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-3.25	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-6.57	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	-1.86	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-7.00	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	10	8.68	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-11.76	-0.007	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-9.38	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	40	10.74	0.006	PASS
Band4	5	20375	25	#0	QPSK	NV	50	3.95	0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	13.20	0.008	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	12.62	0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	10.57	0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-0.11	0.000	PASS
Band4	5	20375	25	#0	16QAM	NV	10	2.82	0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	20	8.01	0.005	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-6.14	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-7.47	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-10.66	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	2.00	0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-2.17	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-5.97	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-4.01	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-2.33	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-11.06	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	30	2.46	0.001	PASS

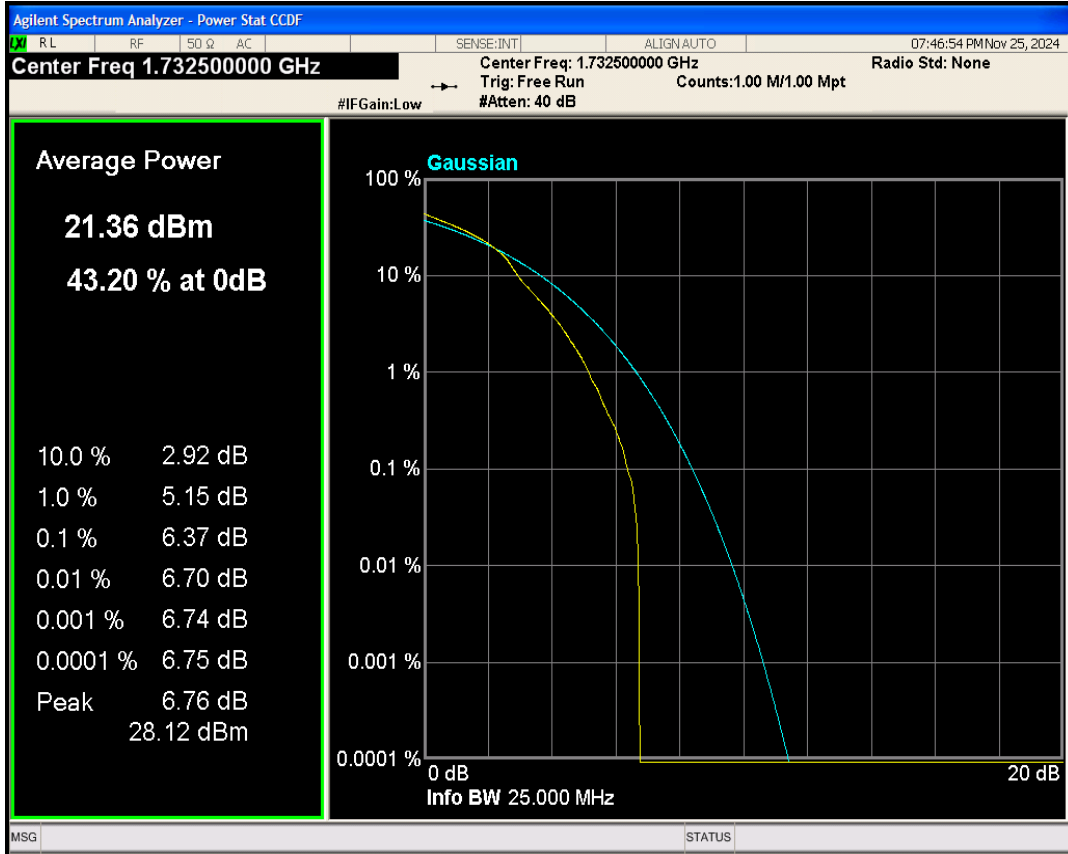
Band4	10	20000	50	#0	QPSK	NV	40	8.51	0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-4.66	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-12.06	-0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-12.37	-0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-3.66	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-12.59	-0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-2.57	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	20	-3.08	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-8.31	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-1.20	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-3.76	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	0.96	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	3.13	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-8.50	-0.005	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-0.77	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-7.68	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	20	3.19	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	30	11.32	0.006	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-1.73	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-5.52	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-19.25	-0.011	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-6.29	-0.004	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	1.60	0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-8.80	-0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-15.49	-0.009	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-10.21	-0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-4.19	-0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	40	-8.73	-0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	50	-11.80	-0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-8.75	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-11.86	-0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	-8.50	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-10.27	-0.006	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-7.84	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-12.69	-0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-14.41	-0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	40	-8.04	-0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-13.15	-0.008	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-13.18	-0.008	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-17.11	-0.010	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-8.96	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-7.38	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-9.67	-0.006	PASS

Band4	15	20325	75	#0	QPSK	NV	20	-4.82	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-7.02	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-4.39	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-8.90	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-9.84	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-8.87	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-11.64	-0.007	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-2.40	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-12.87	-0.007	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-8.05	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-9.76	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-1.72	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-10.63	-0.006	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-7.82	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-14.19	-0.008	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-4.92	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-4.66	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-9.91	-0.006	PASS
Band4	20	20175	100	#0	QPSK	NV	20	-8.53	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-12.73	-0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-11.19	-0.006	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-9.43	-0.005	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-5.29	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-7.25	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	-14.35	-0.008	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-6.27	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	10	0.10	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-8.23	-0.005	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-0.83	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-12.85	-0.007	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-9.78	-0.006	PASS

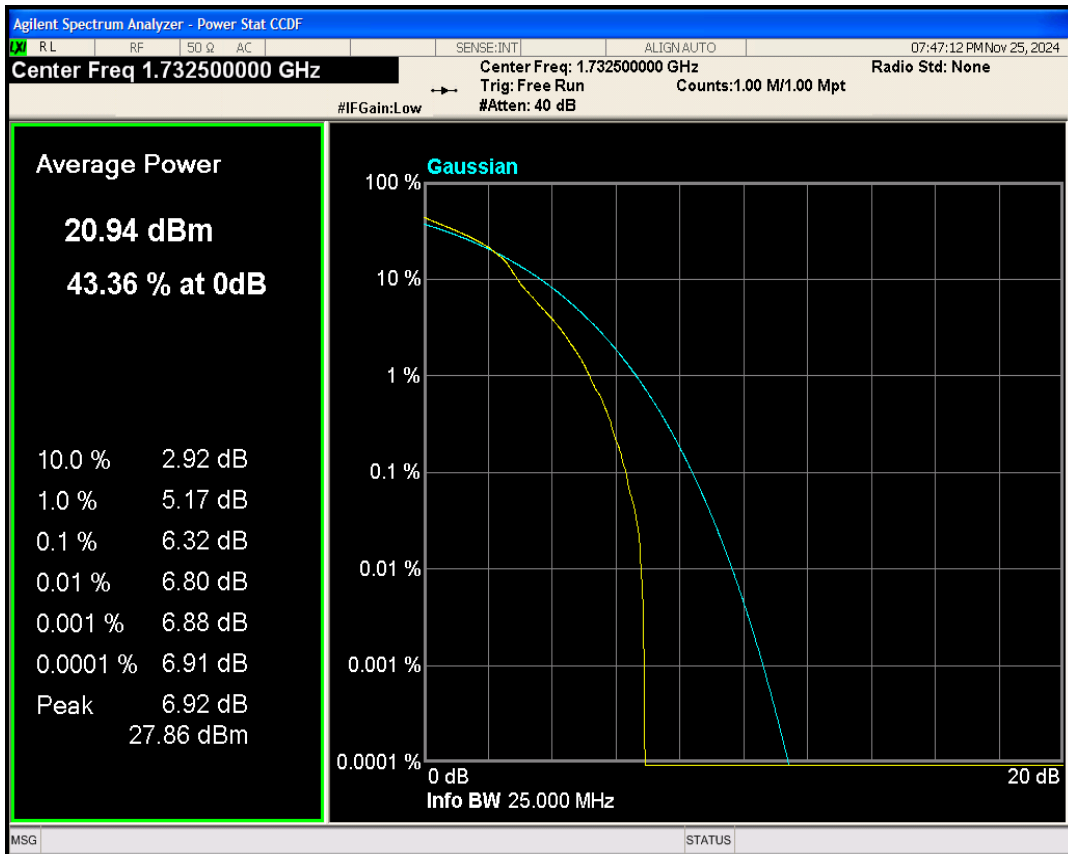
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.64	13	PASS
Band4	1.4	19957	1	#0	16QAM	6.45	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.36	13	PASS
Band4	1.4	20175	1	#0	16QAM	6.37	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.33	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.95	13	PASS
Band4	3	19965	1	#0	QPSK	5.67	13	PASS
Band4	3	19965	1	#0	16QAM	6.54	13	PASS
Band4	3	20175	1	#0	QPSK	5.48	13	PASS
Band4	3	20175	1	#0	16QAM	6.32	13	PASS
Band4	3	20385	1	#0	QPSK	5.27	13	PASS
Band4	3	20385	1	#0	16QAM	5.85	13	PASS
Band4	5	19975	1	#0	QPSK	5.93	13	PASS
Band4	5	19975	1	#0	16QAM	6.23	13	PASS
Band4	5	20175	1	#0	QPSK	5.37	13	PASS
Band4	5	20175	1	#0	16QAM	5.92	13	PASS
Band4	5	20375	1	#0	QPSK	5.39	13	PASS
Band4	5	20375	1	#0	16QAM	5.98	13	PASS
Band4	10	20000	1	#0	QPSK	5.56	13	PASS
Band4	10	20175	1	#0	QPSK	5.70	13	PASS
Band4	10	20350	1	#0	QPSK	5.39	13	PASS
Band4	15	20025	1	#0	QPSK	5.26	13	PASS
Band4	15	20175	1	#0	QPSK	5.83	13	PASS
Band4	15	20325	1	#0	QPSK	5.43	13	PASS
Band4	20	20050	1	#0	QPSK	5.18	13	PASS
Band4	20	20175	1	#0	QPSK	6.01	13	PASS
Band4	20	20300	1	#0	QPSK	5.27	13	PASS

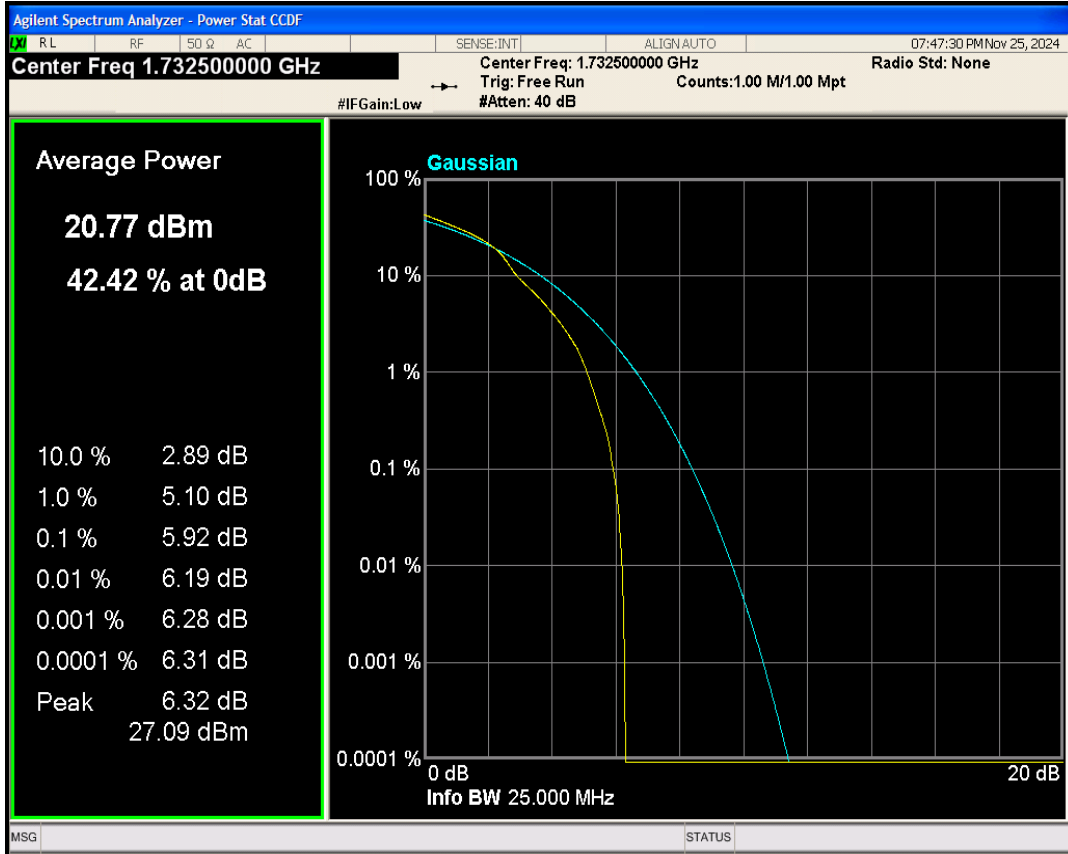
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



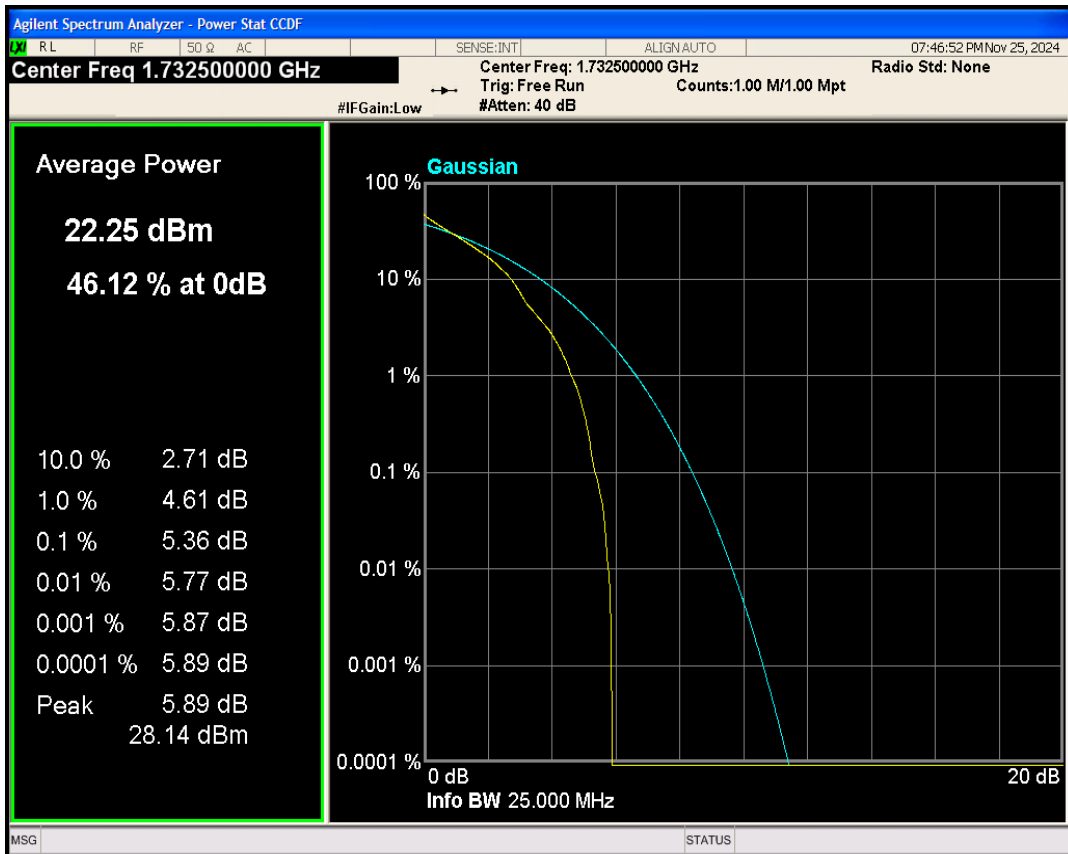
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



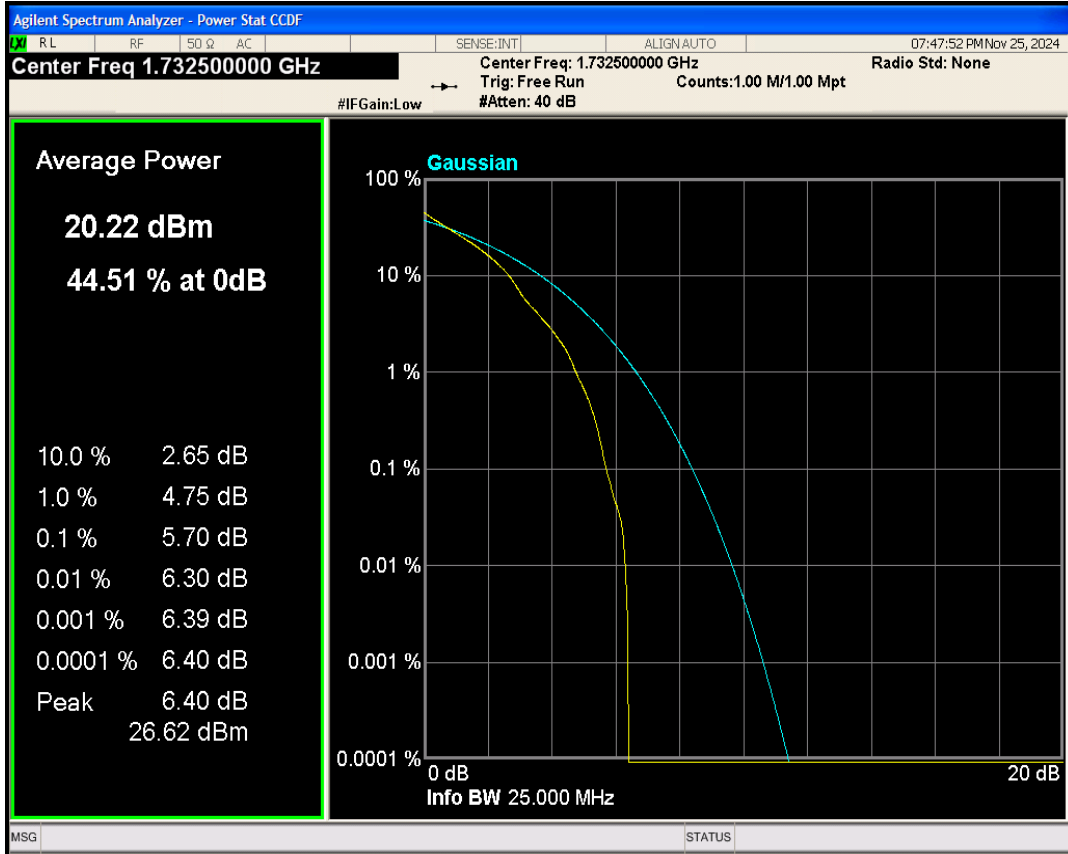
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



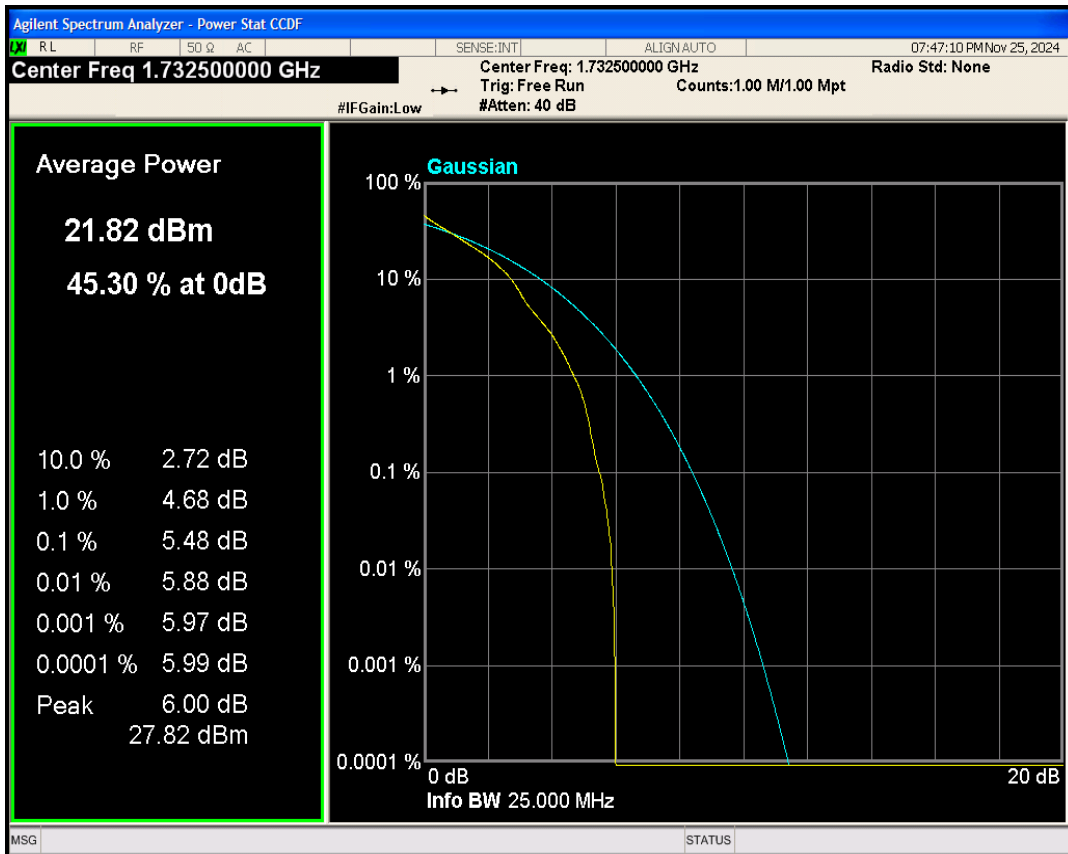
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



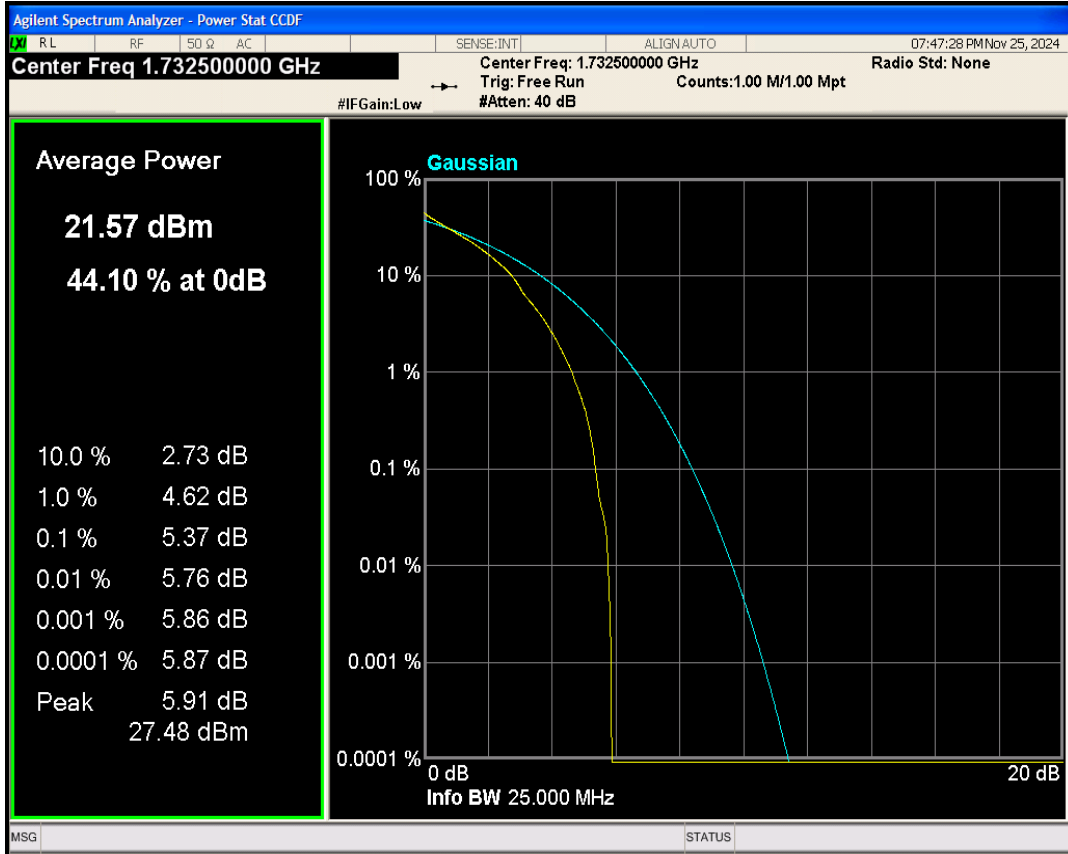
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



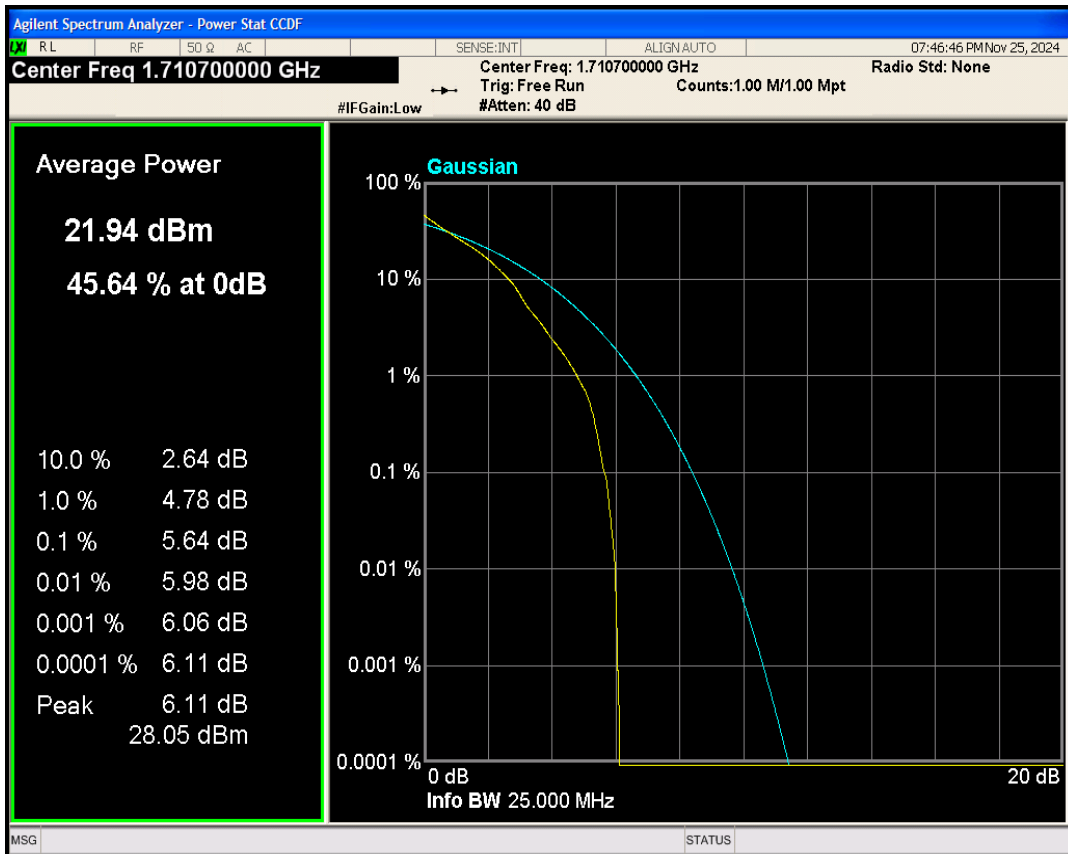
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



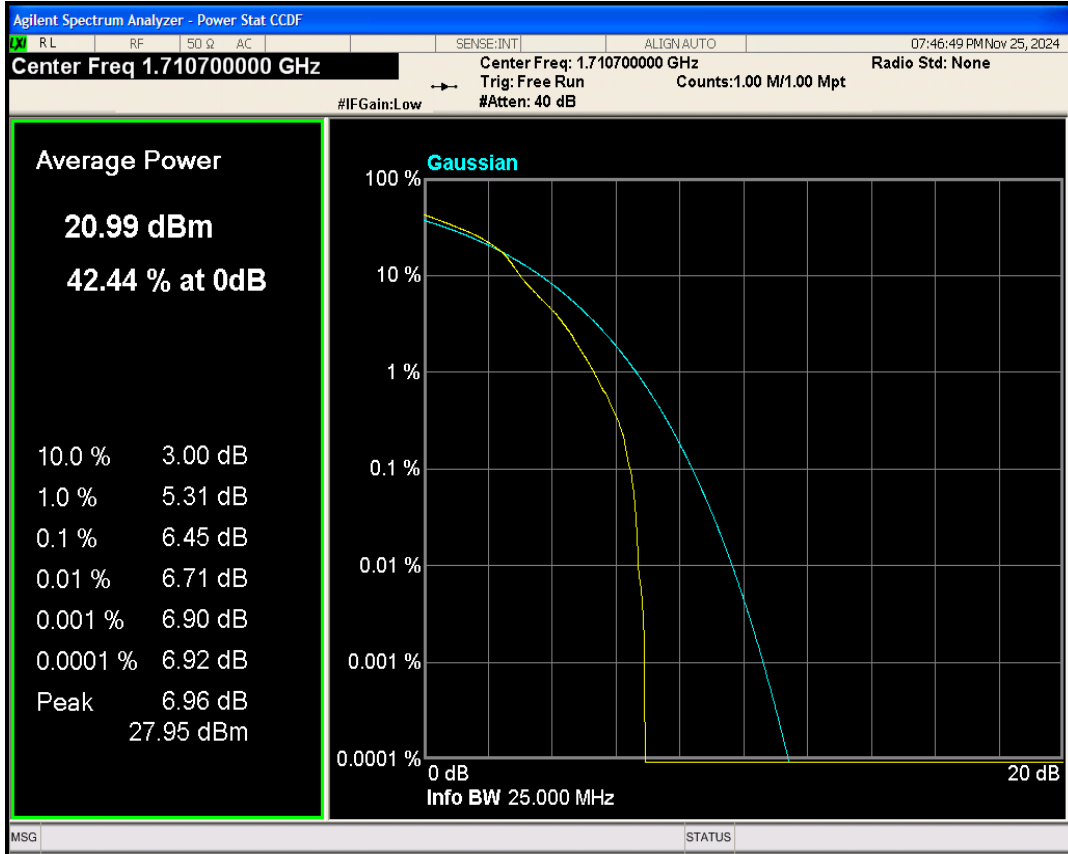
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



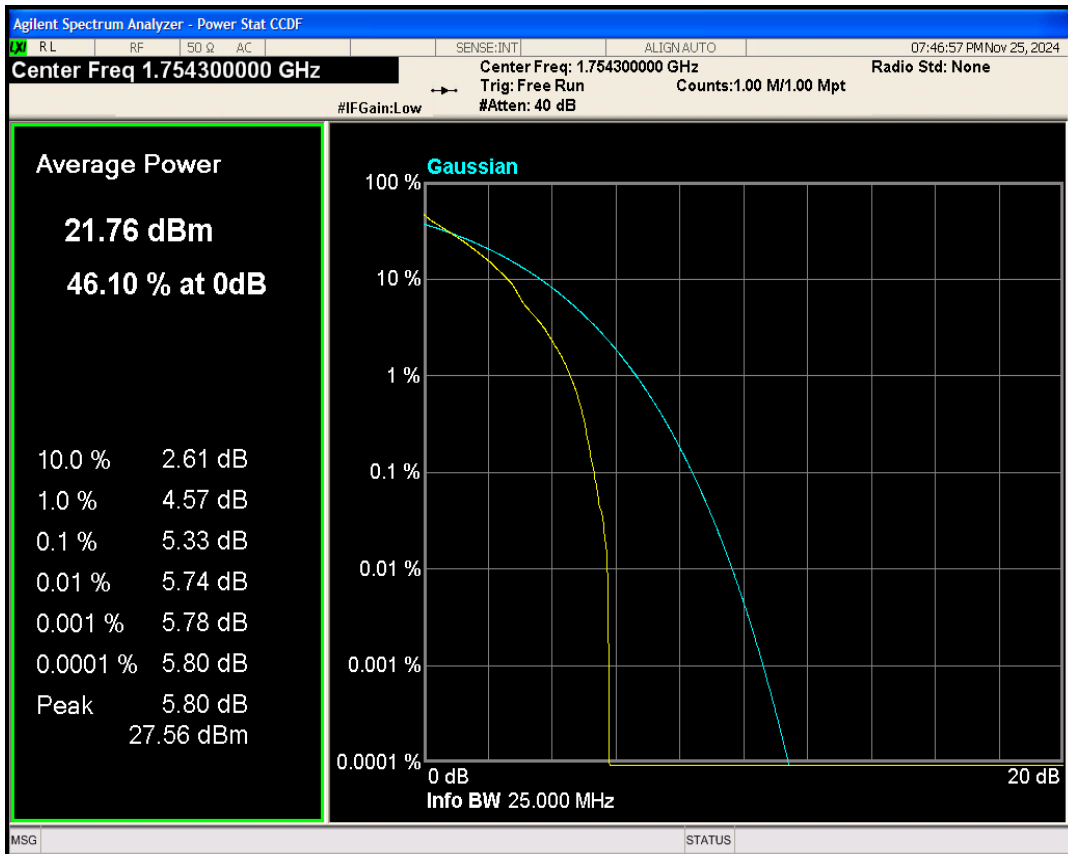
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



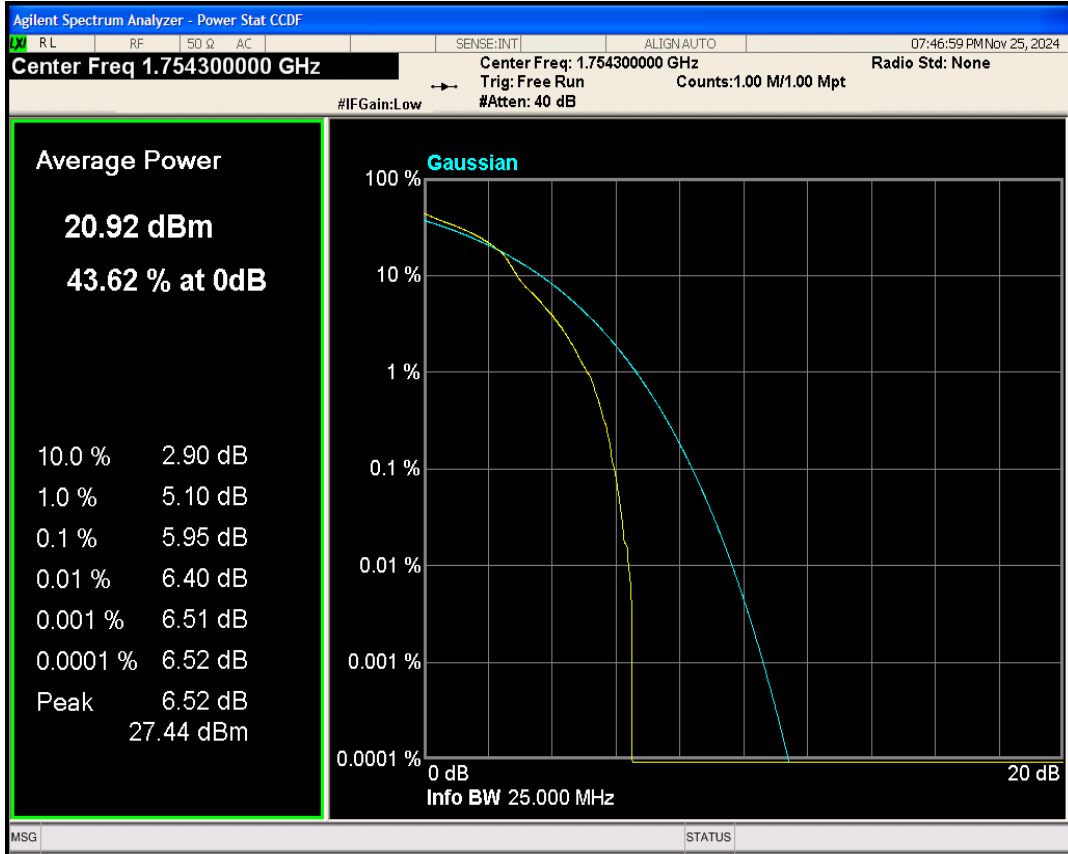
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



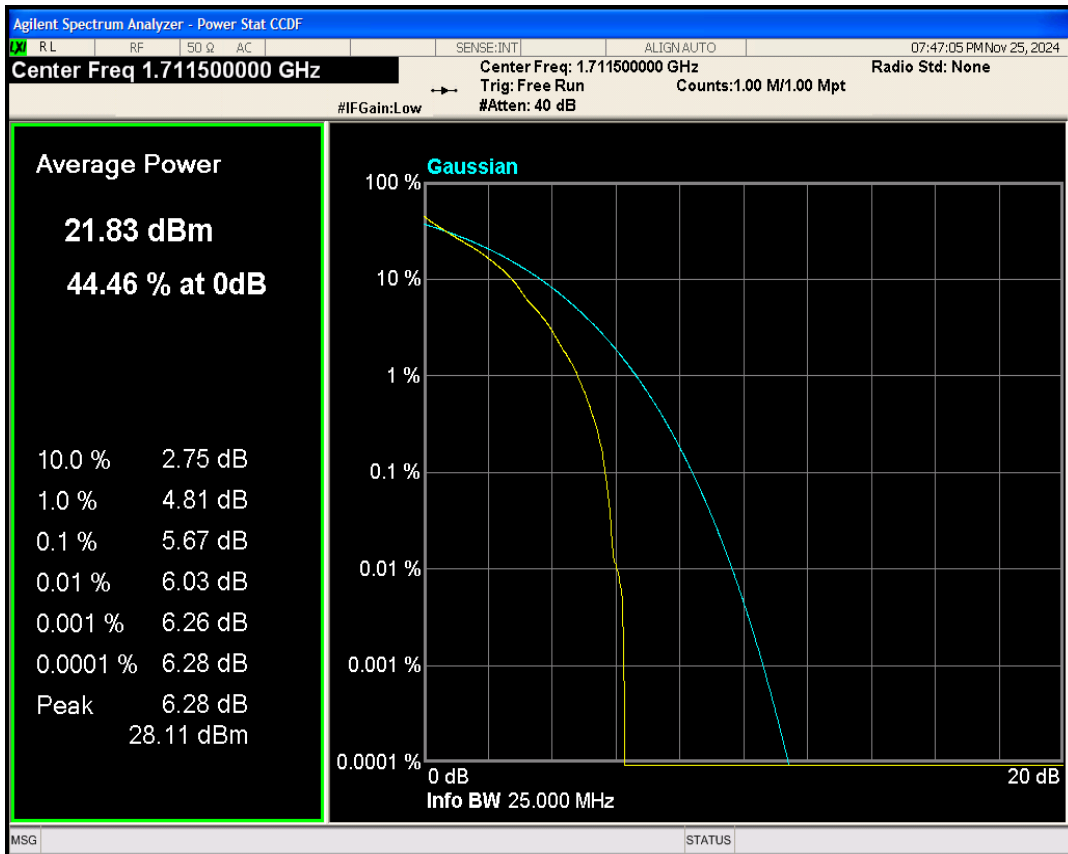
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



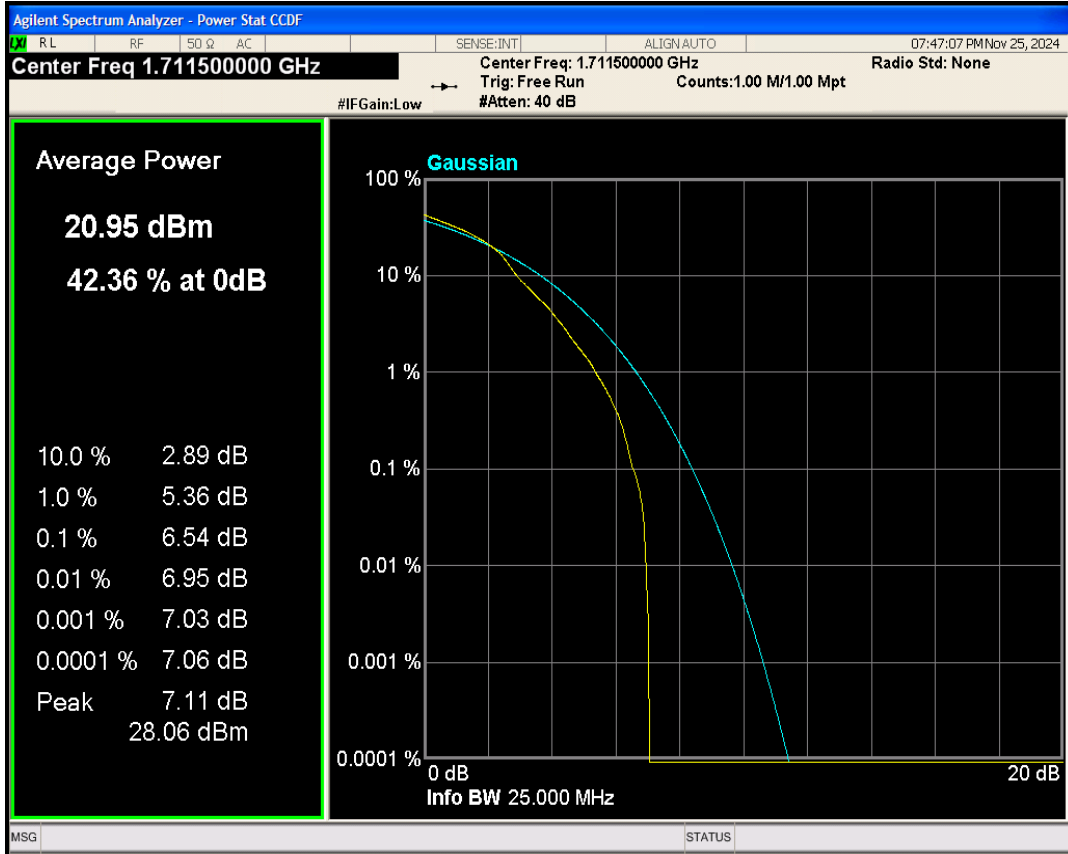
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



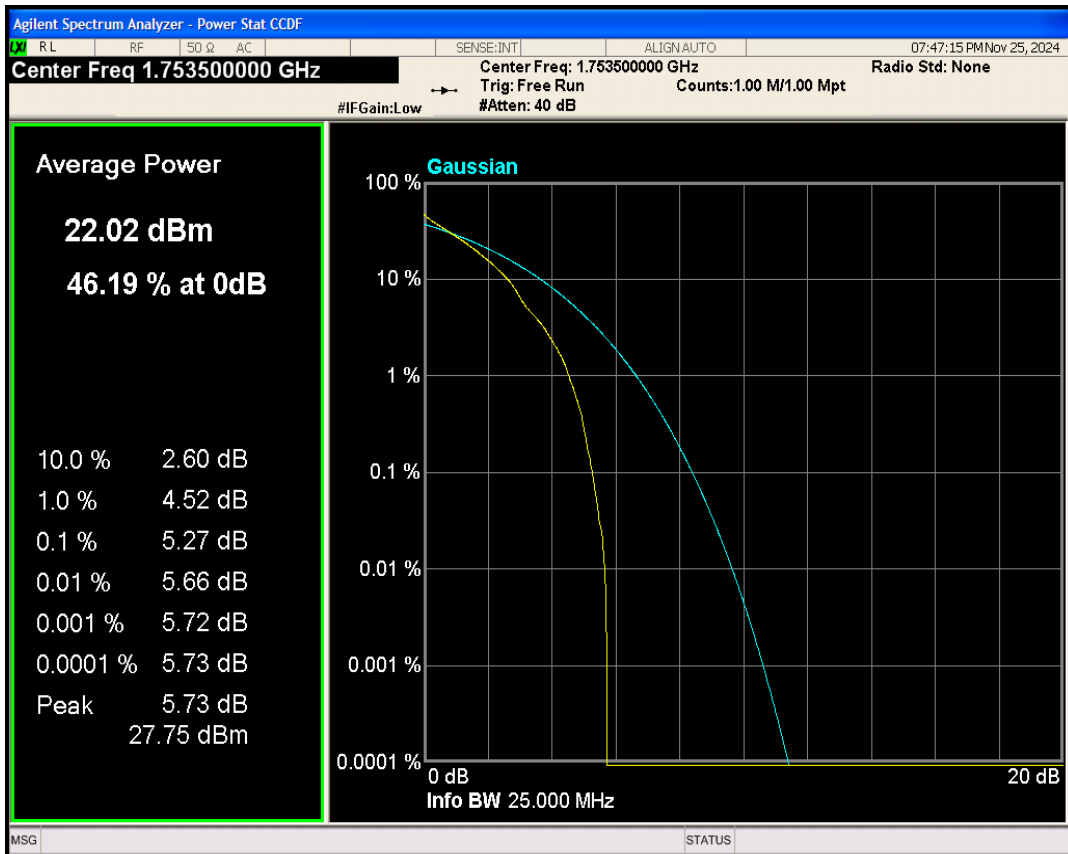
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



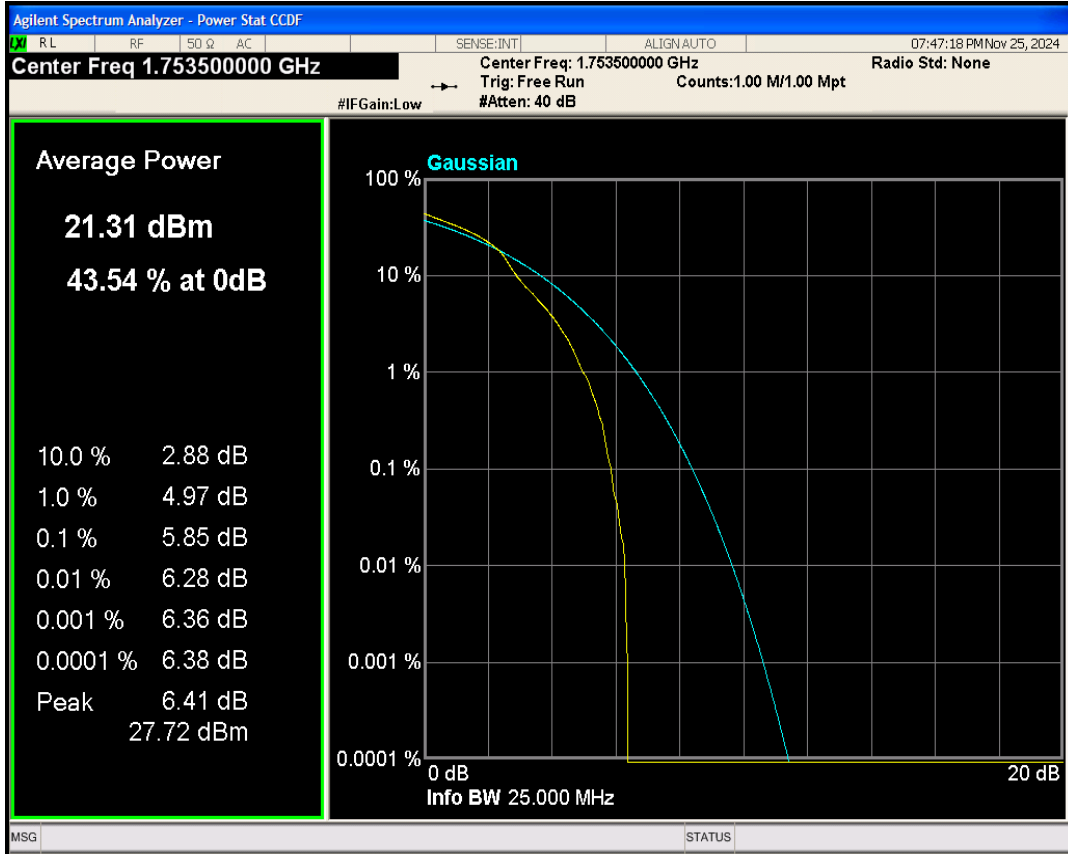
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



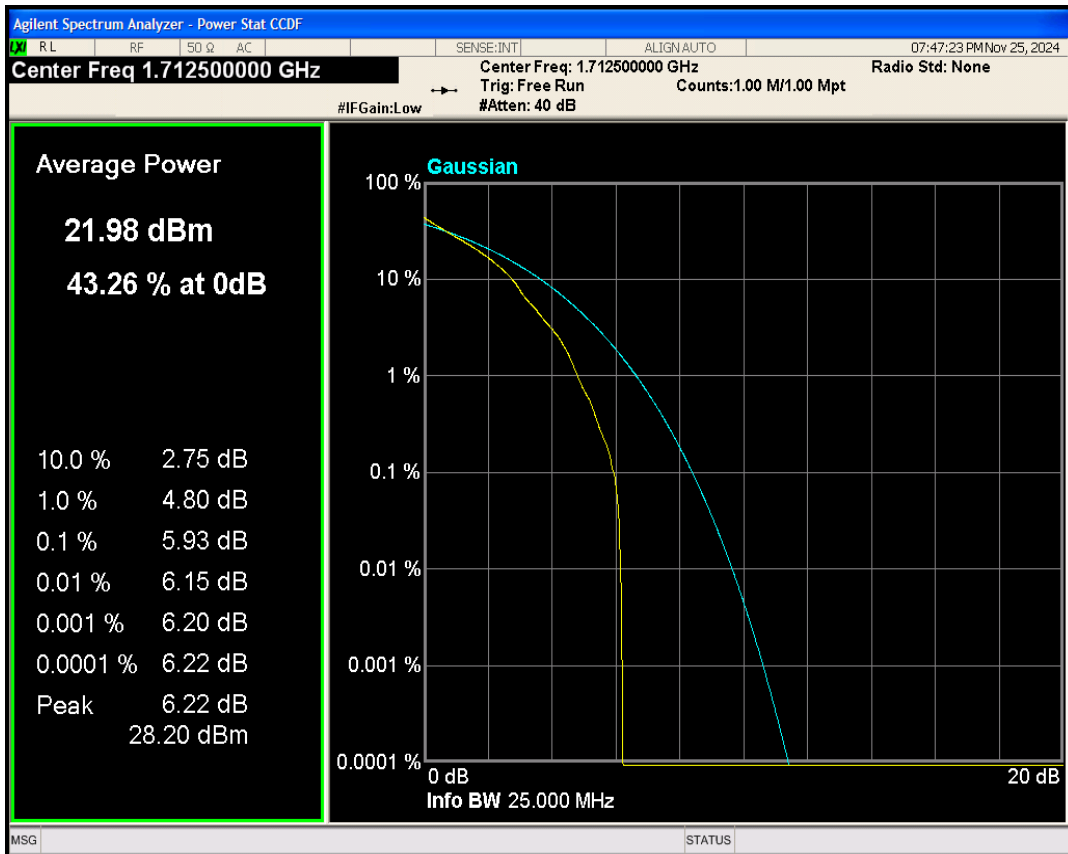
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



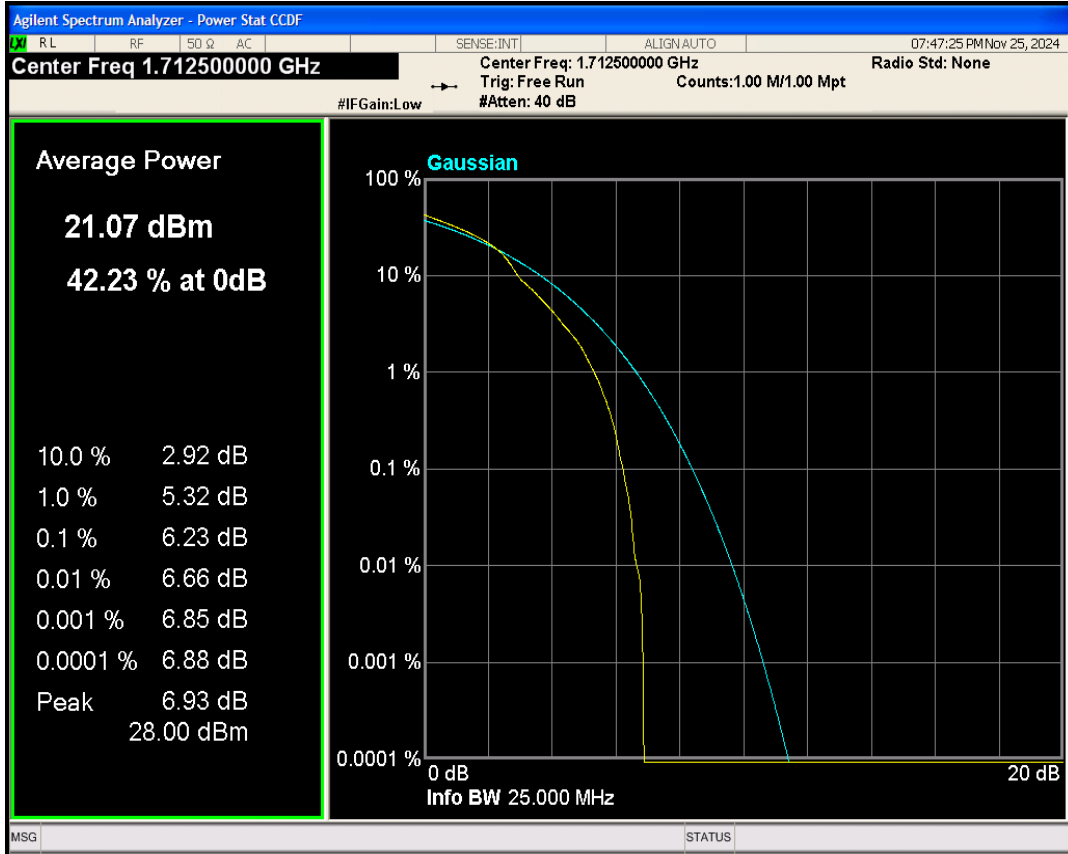
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



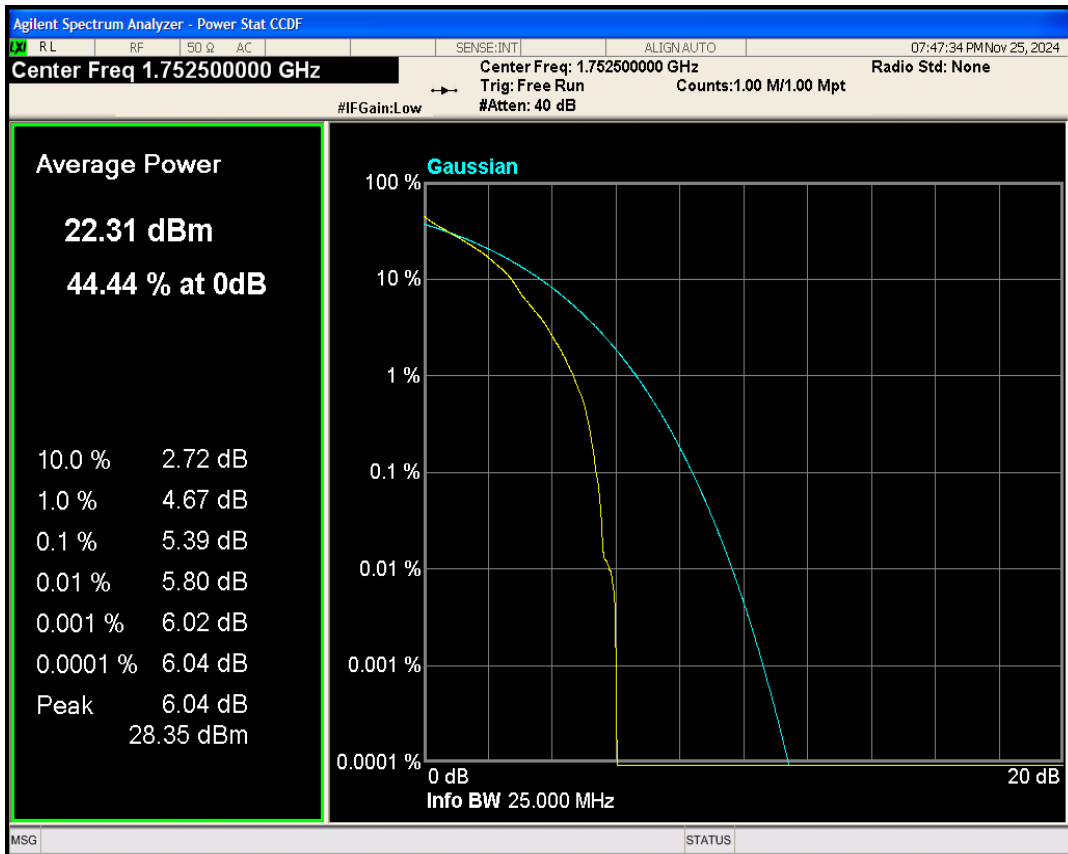
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



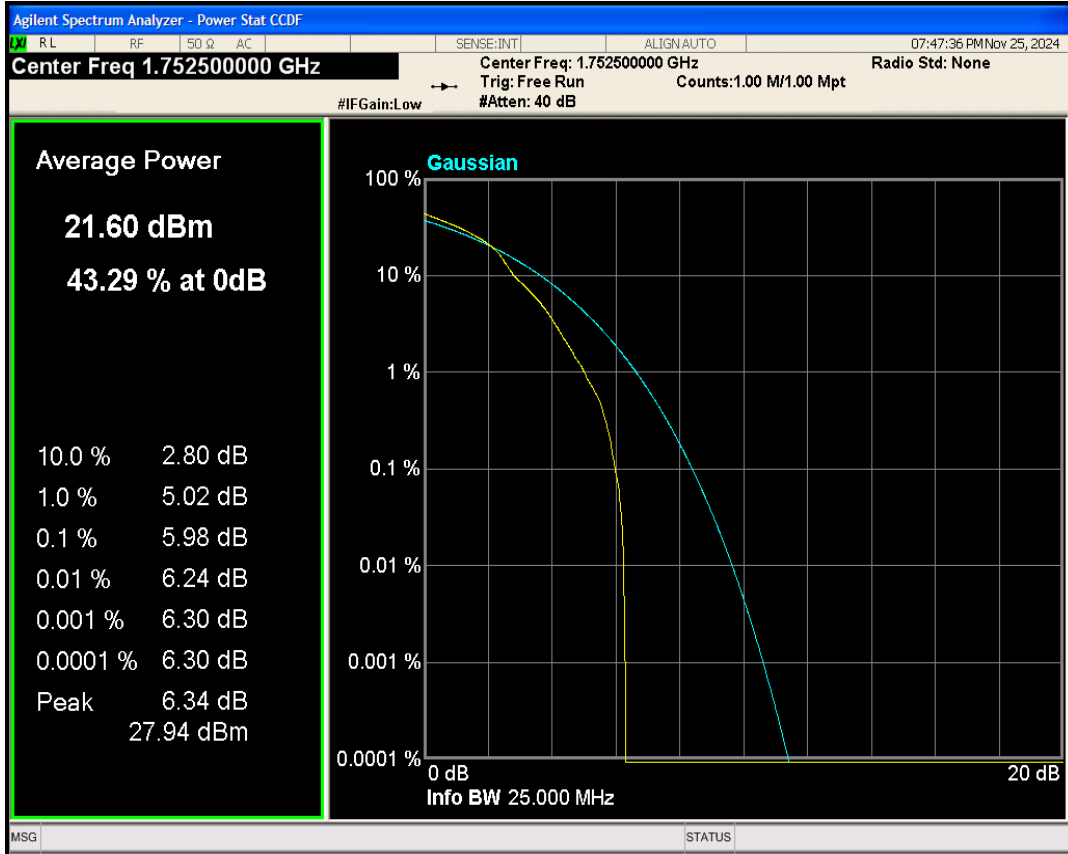
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



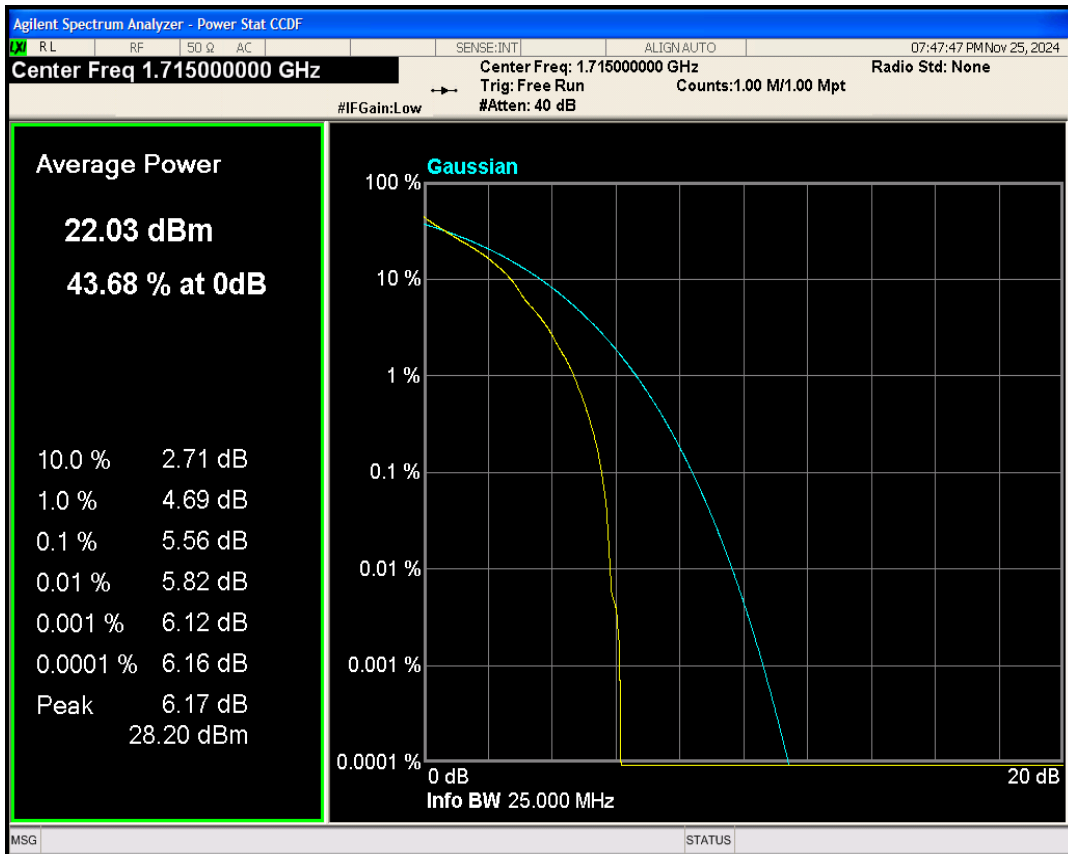
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



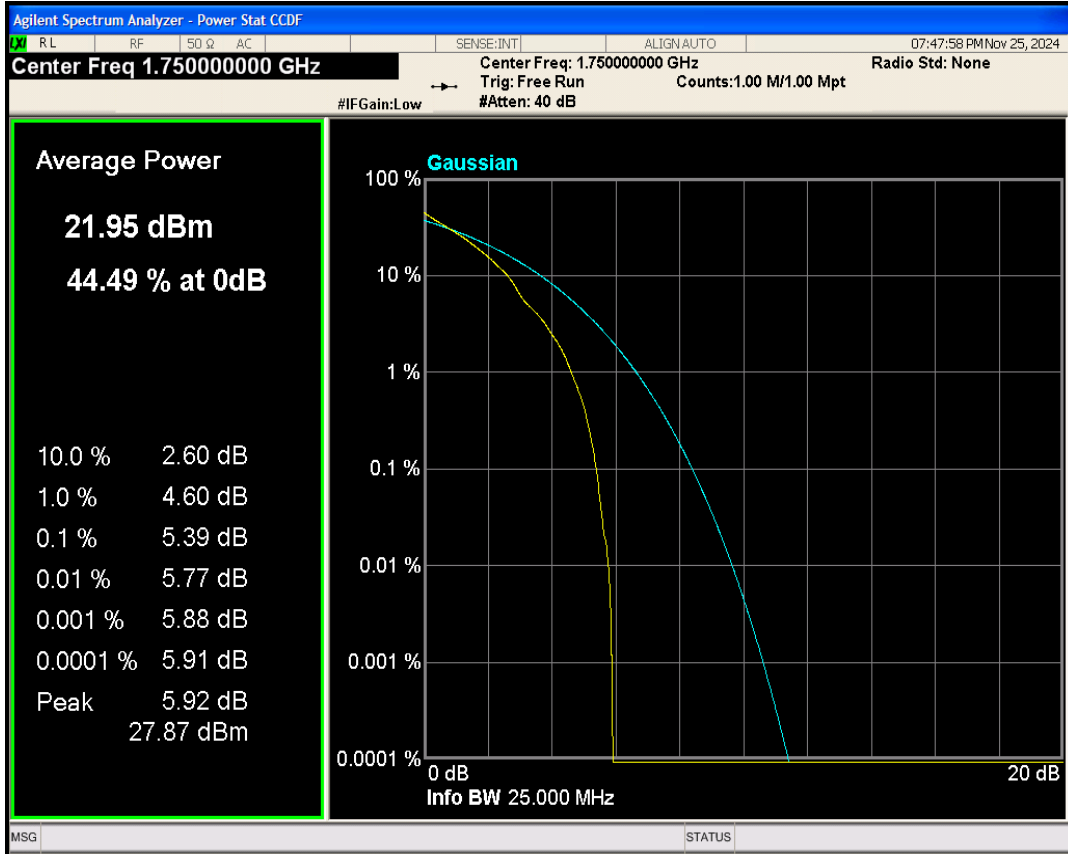
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



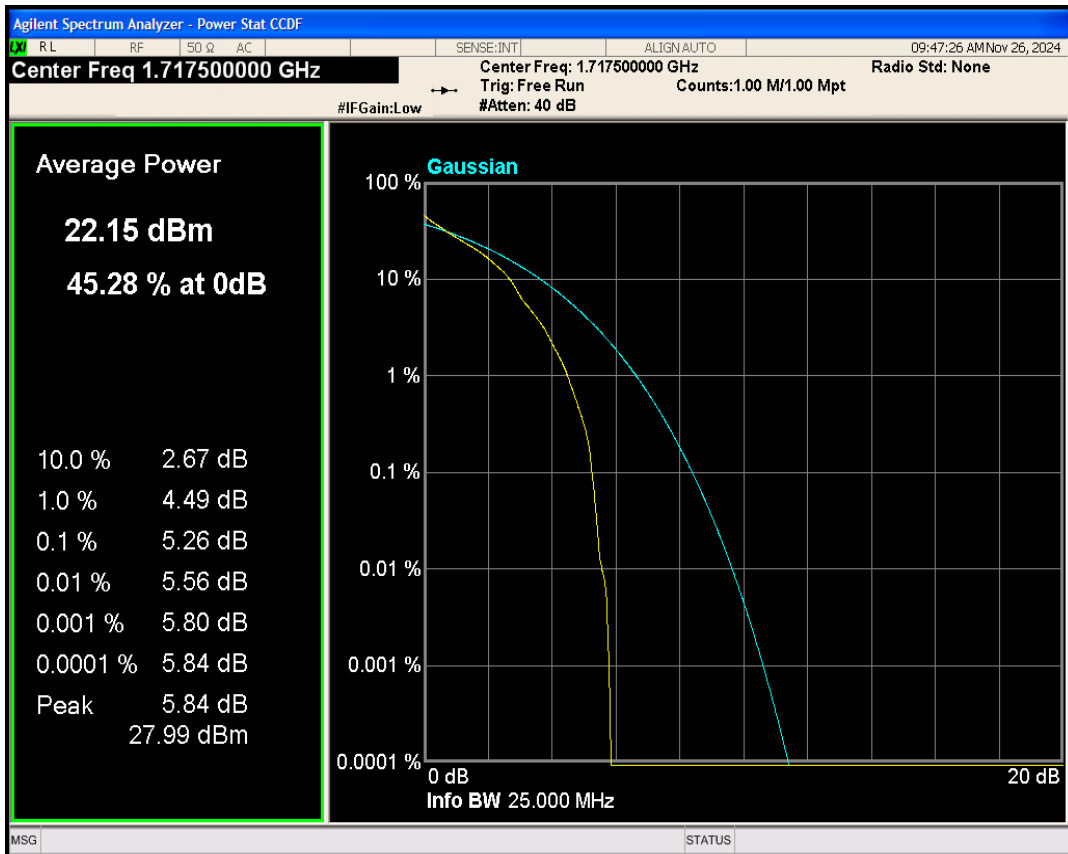
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



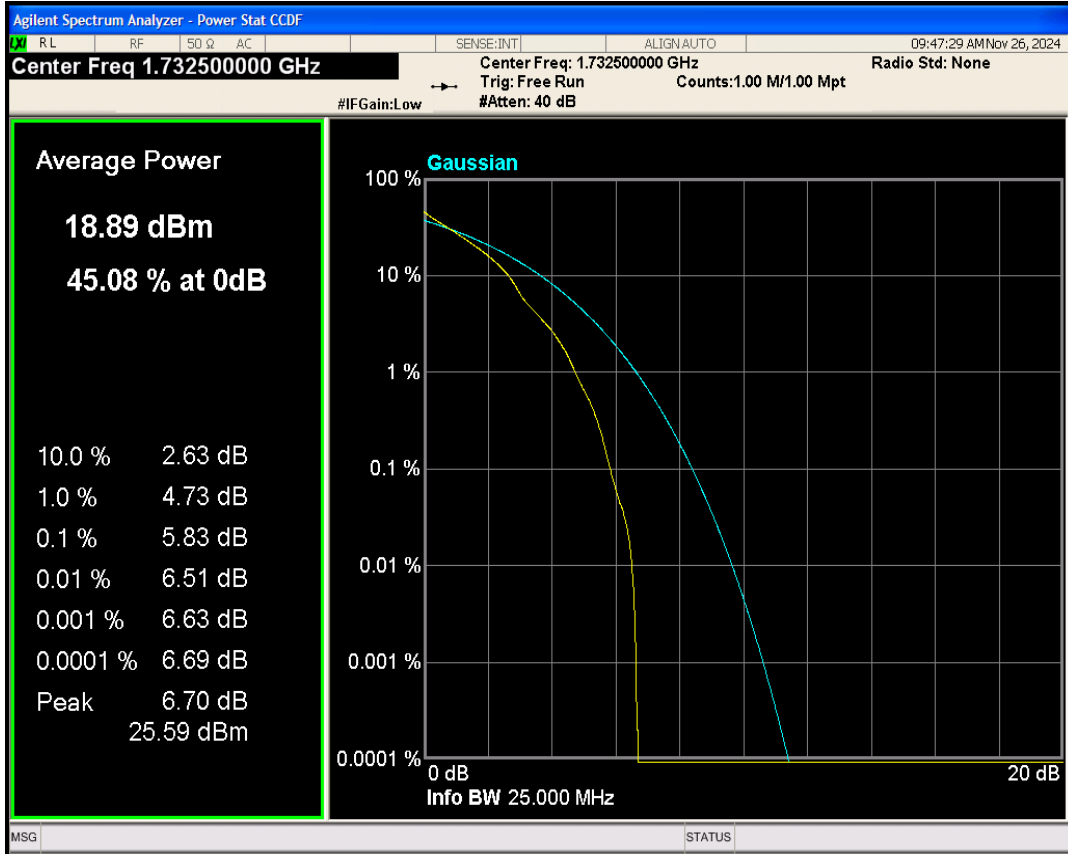
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



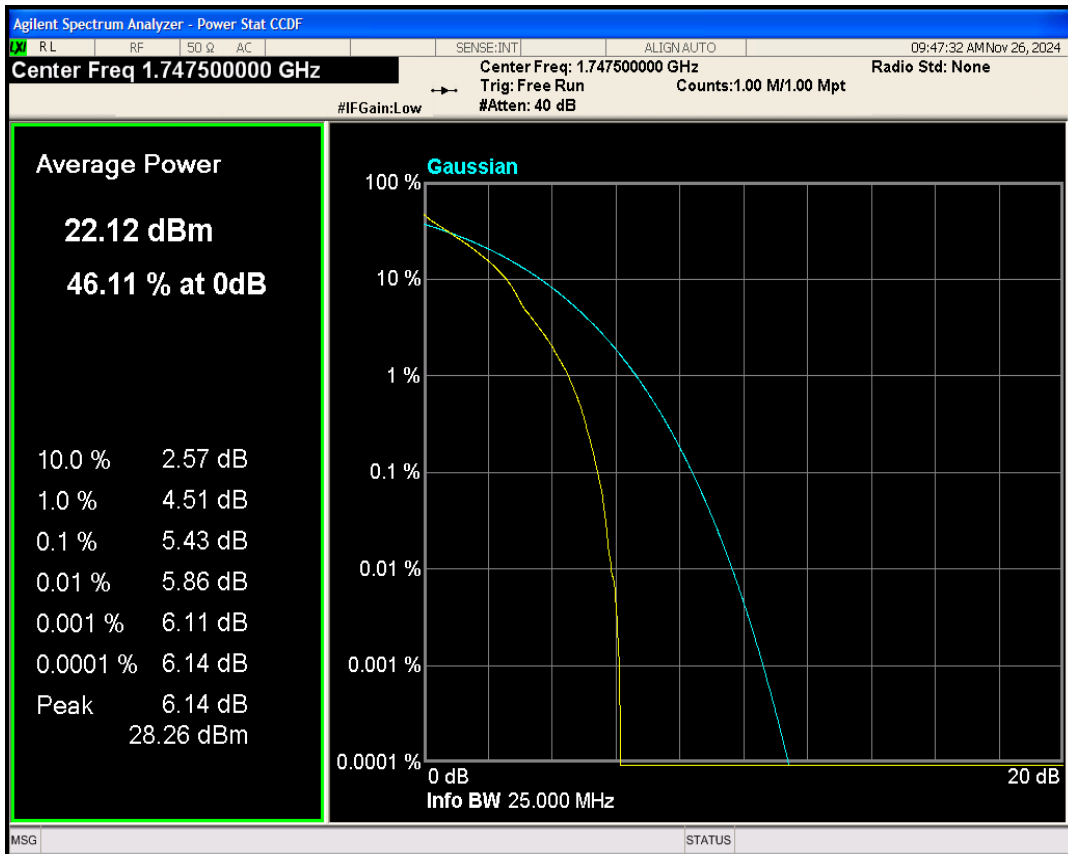
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



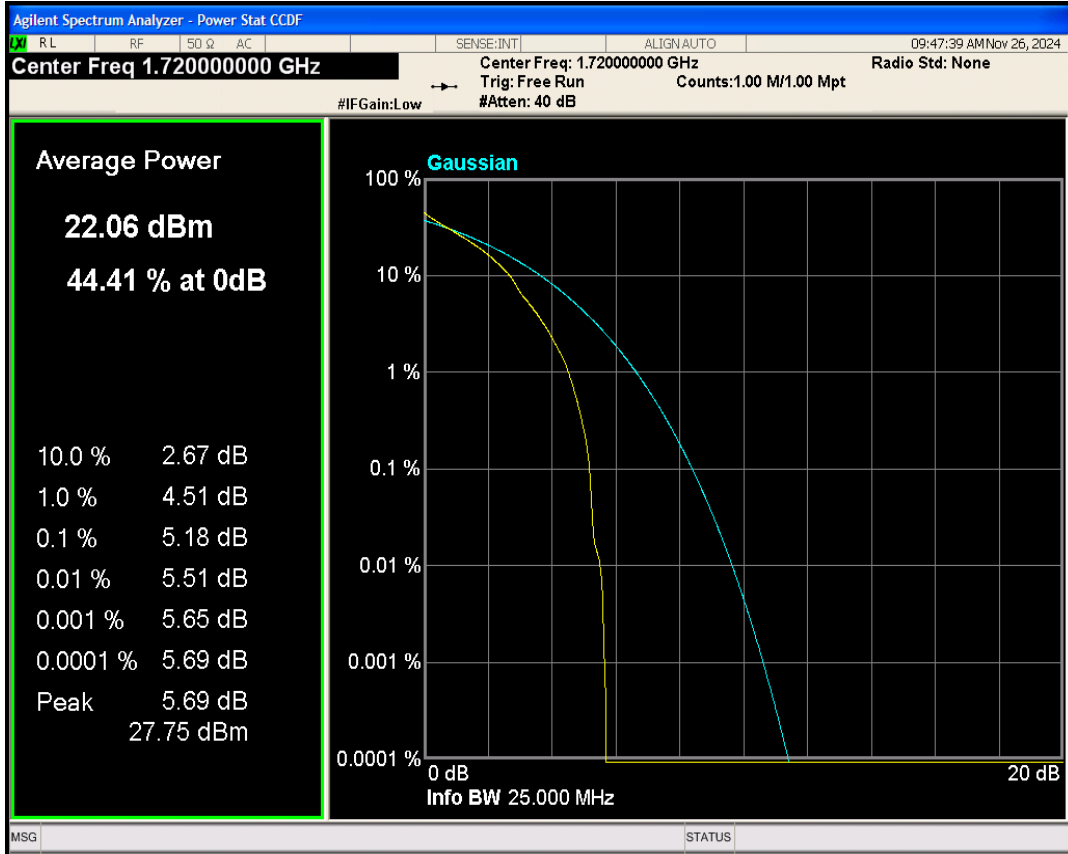
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



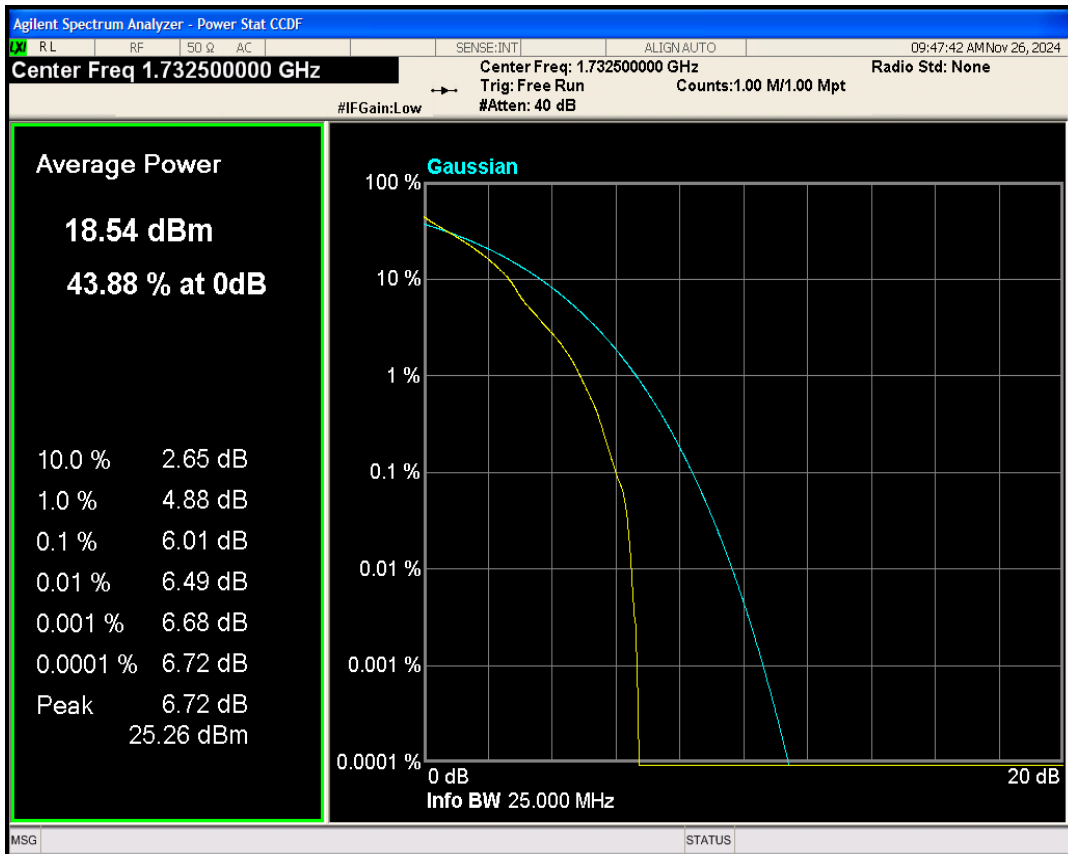
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



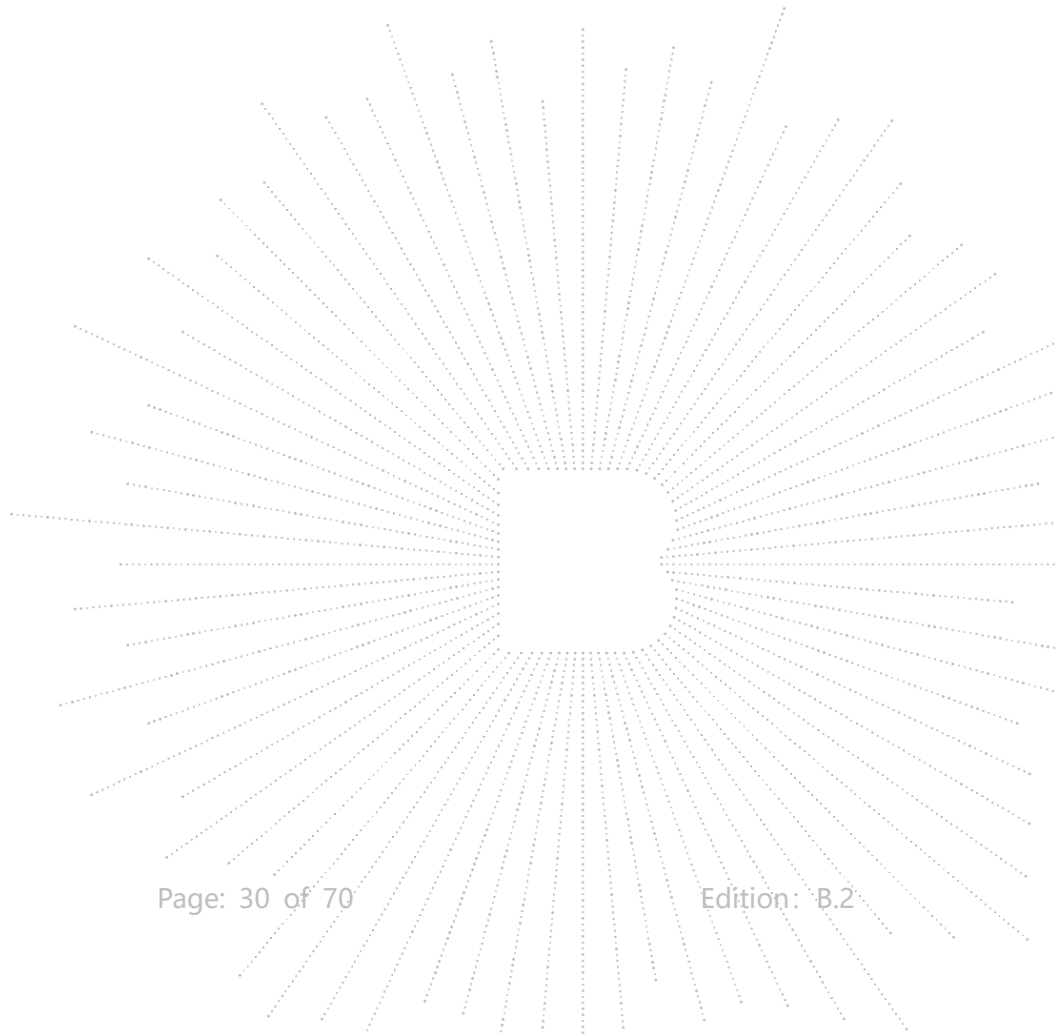
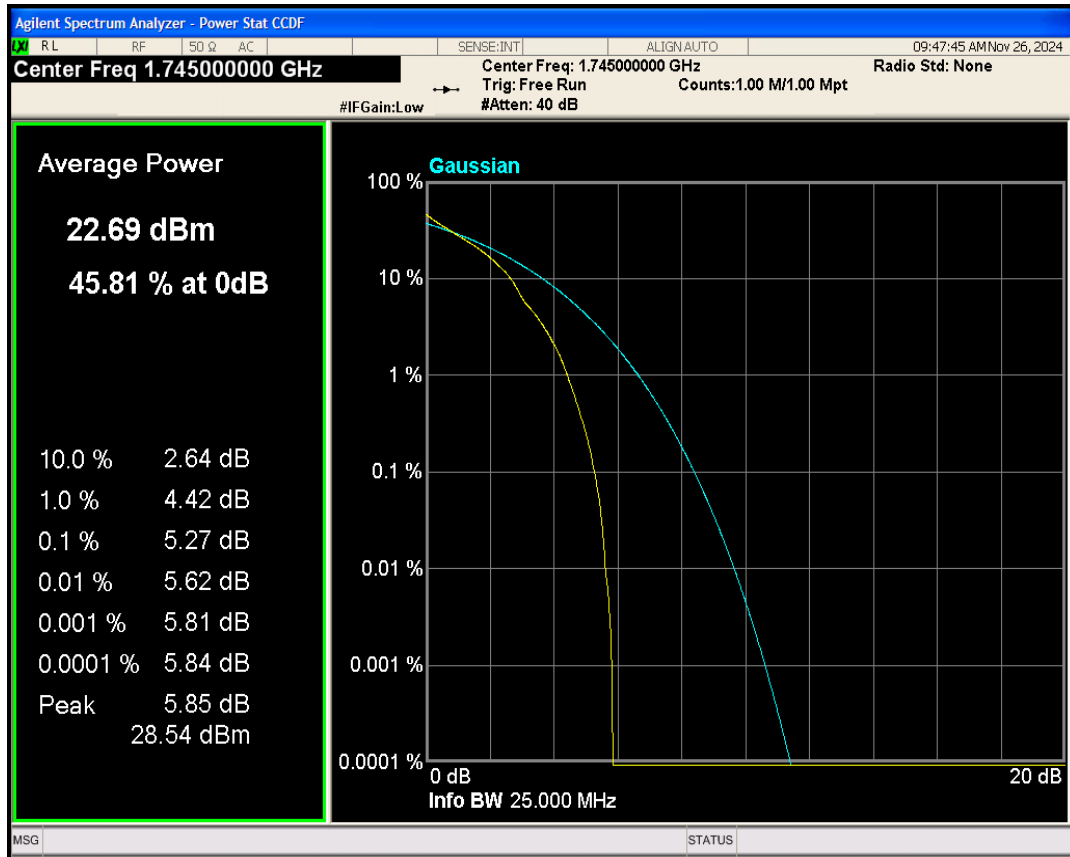
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



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



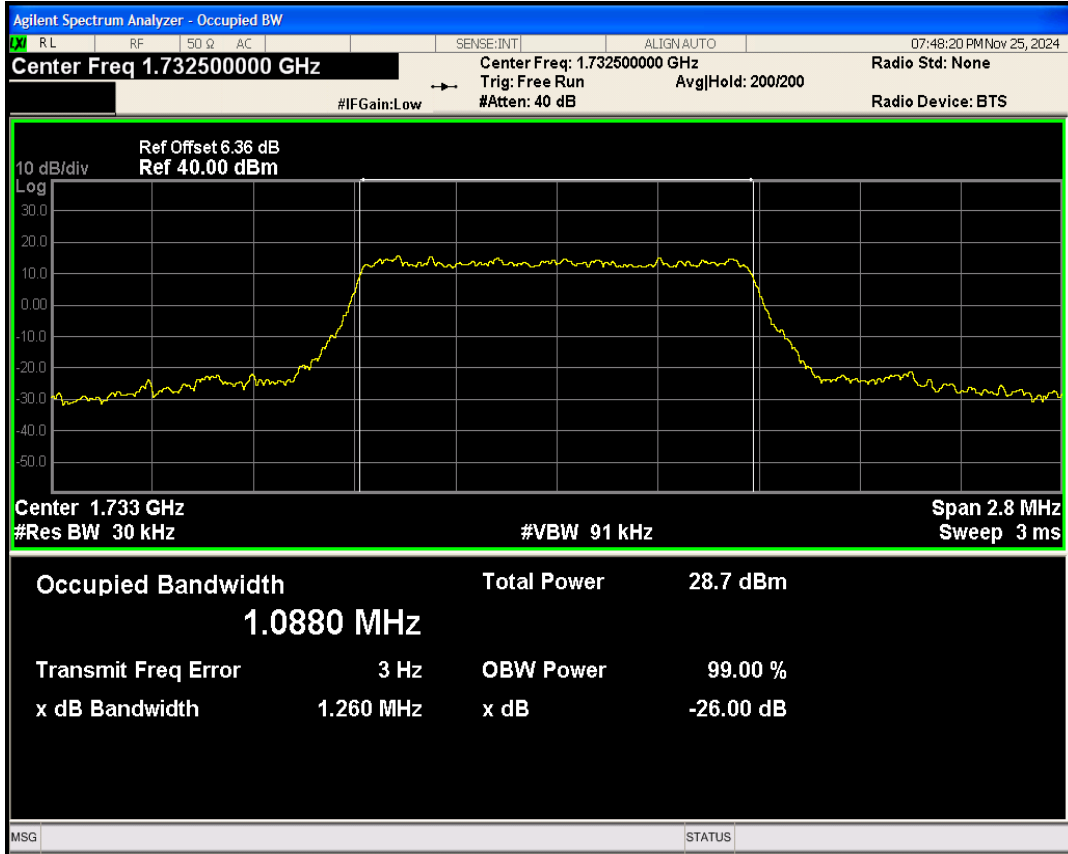
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



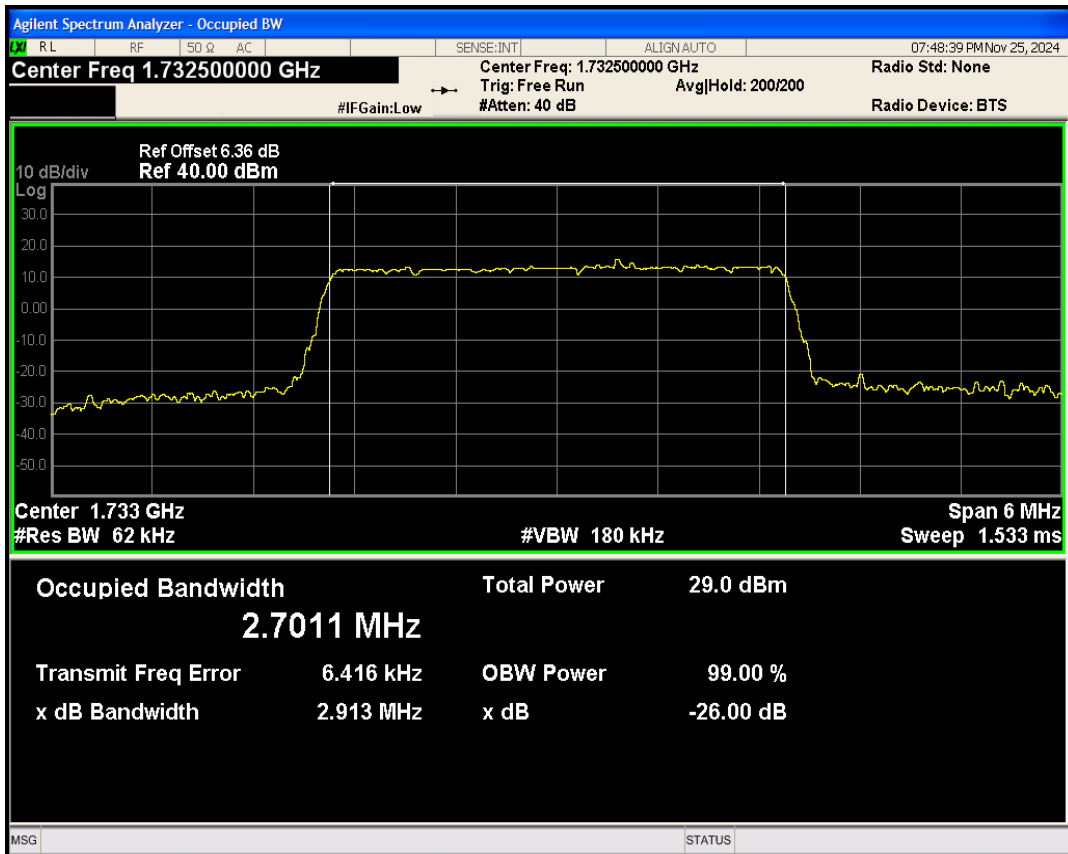
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.092	1.270	PASS
Band4	1.4	19957	6	#0	16QAM	1.099	1.273	PASS
Band4	1.4	20175	6	#0	QPSK	1.094	1.270	PASS
Band4	1.4	20175	6	#0	16QAM	1.088	1.260	PASS
Band4	1.4	20393	6	#0	QPSK	1.095	1.275	PASS
Band4	1.4	20393	6	#0	16QAM	1.103	1.286	PASS
Band4	3	19965	15	#0	QPSK	2.693	2.945	PASS
Band4	3	19965	15	#0	16QAM	2.686	2.937	PASS
Band4	3	20175	15	#0	QPSK	2.702	2.956	PASS
Band4	3	20175	15	#0	16QAM	2.701	2.913	PASS
Band4	3	20385	15	#0	QPSK	2.703	2.955	PASS
Band4	3	20385	15	#0	16QAM	2.696	2.954	PASS
Band4	5	19975	25	#0	QPSK	4.502	4.911	PASS
Band4	5	19975	25	#0	16QAM	4.517	4.964	PASS
Band4	5	20175	25	#0	QPSK	4.494	4.906	PASS
Band4	5	20175	25	#0	16QAM	4.501	4.925	PASS
Band4	5	20375	25	#0	QPSK	4.512	4.899	PASS
Band4	5	20375	25	#0	16QAM	4.509	4.930	PASS
Band4	10	20000	50	#0	QPSK	8.956	9.698	PASS
Band4	10	20175	50	#0	QPSK	8.934	9.674	PASS
Band4	10	20350	50	#0	QPSK	8.945	9.669	PASS
Band4	15	20025	75	#0	QPSK	13.439	14.584	PASS
Band4	15	20175	75	#0	QPSK	13.384	14.237	PASS
Band4	15	20325	75	#0	QPSK	13.455	14.489	PASS
Band4	20	20050	100	#0	QPSK	17.971	19.059	PASS
Band4	20	20175	100	#0	QPSK	17.845	18.943	PASS
Band4	20	20300	100	#0	QPSK	17.943	19.239	PASS

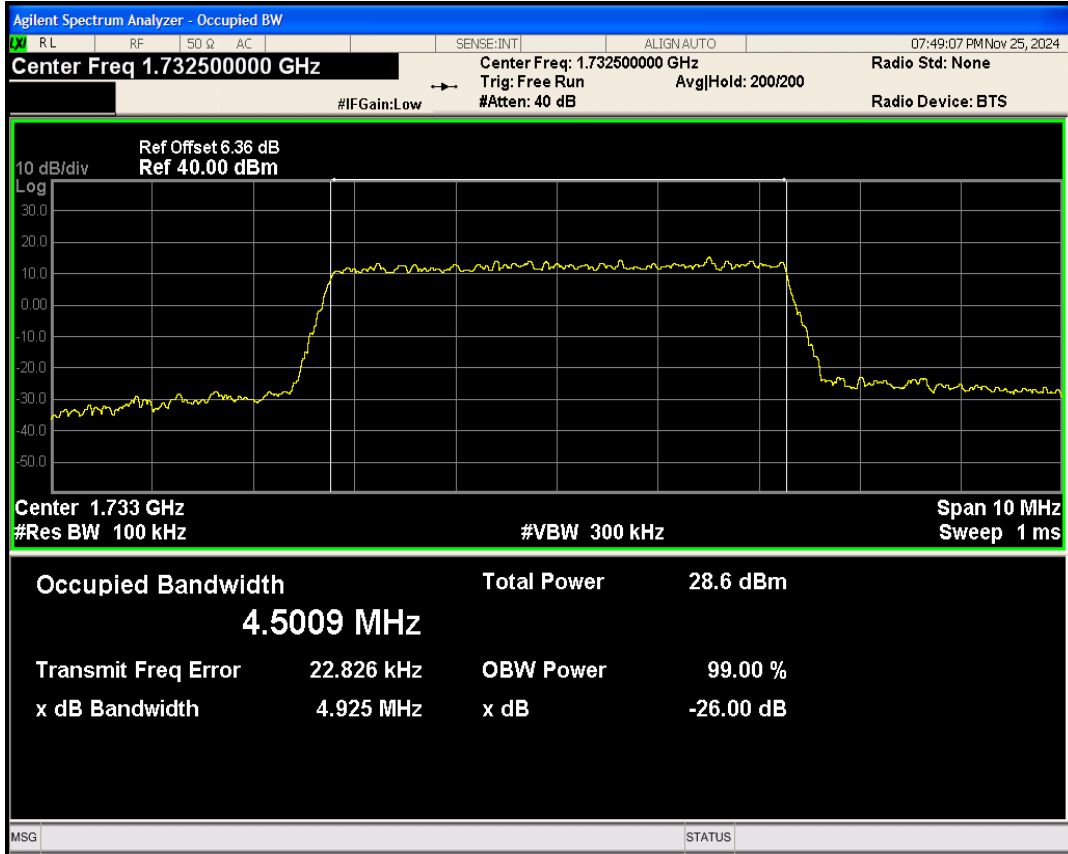
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



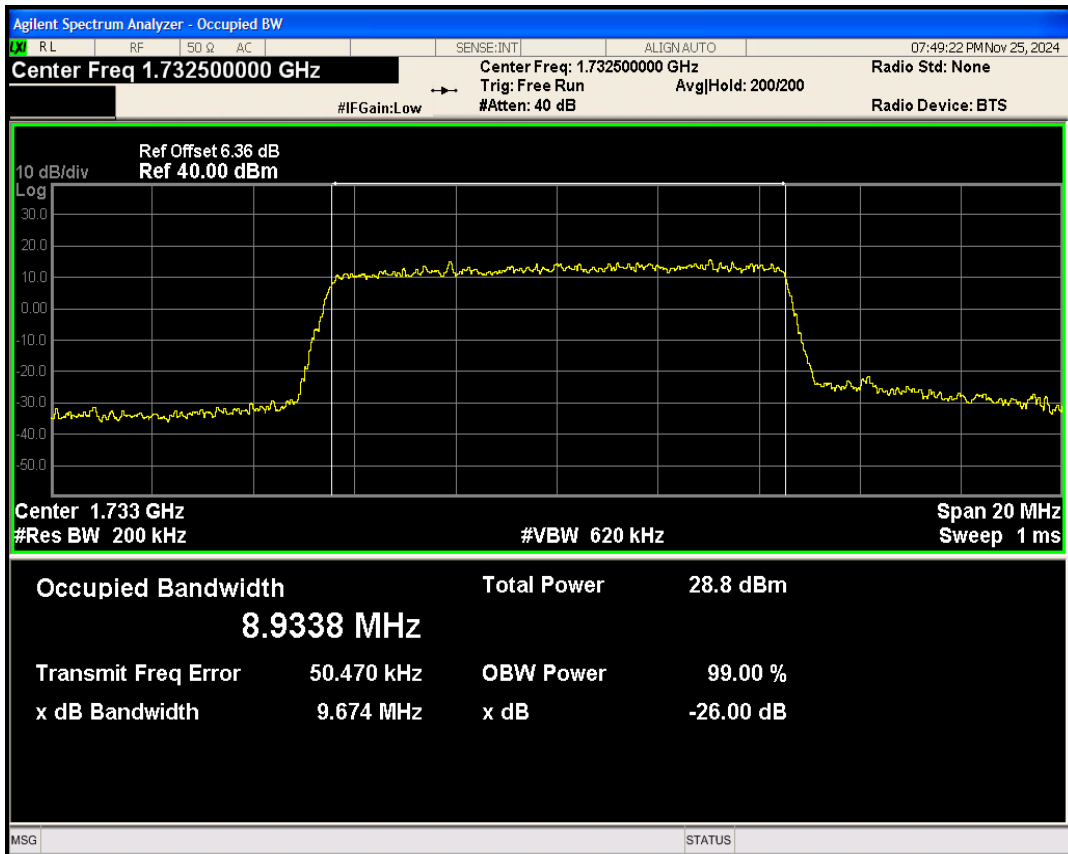
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



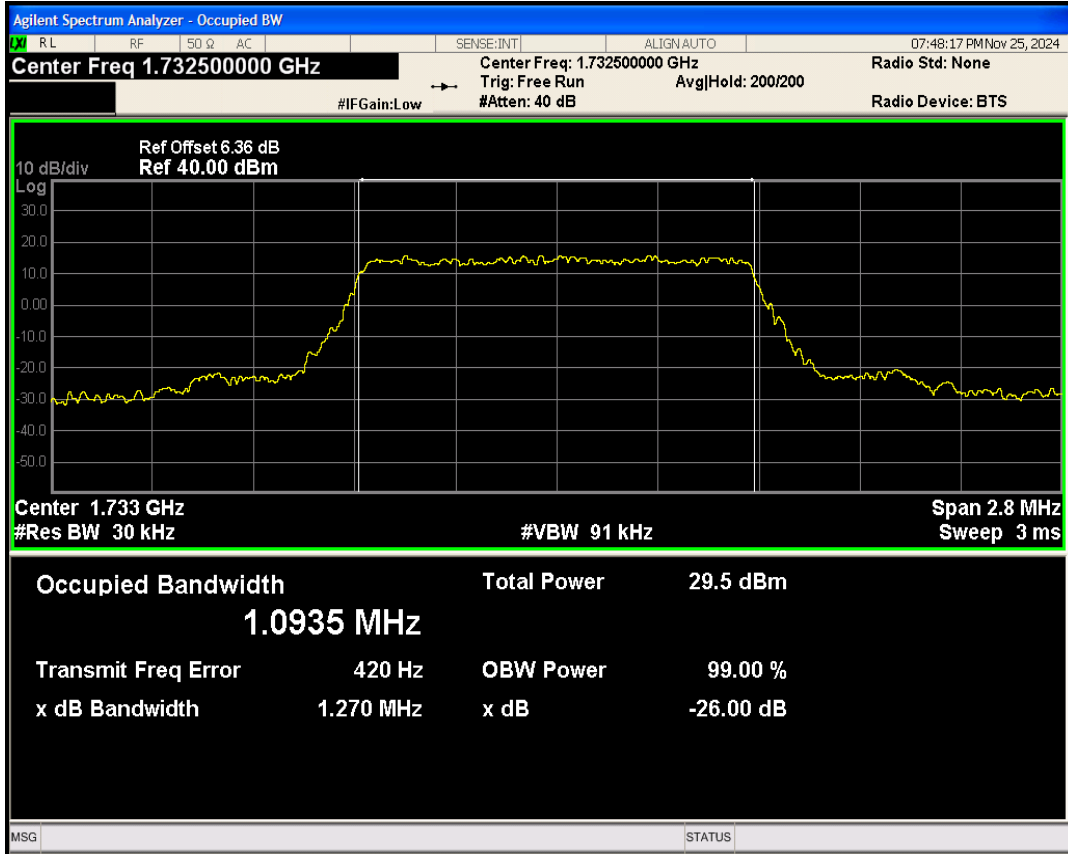
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



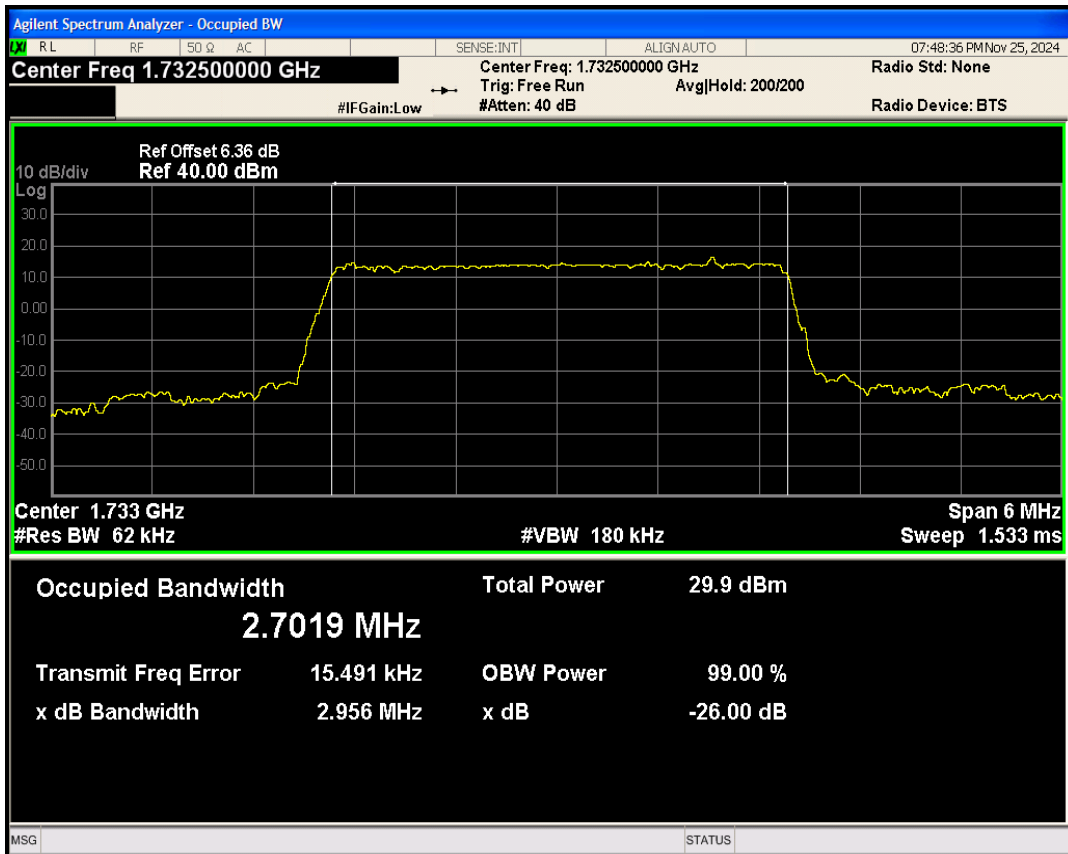
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



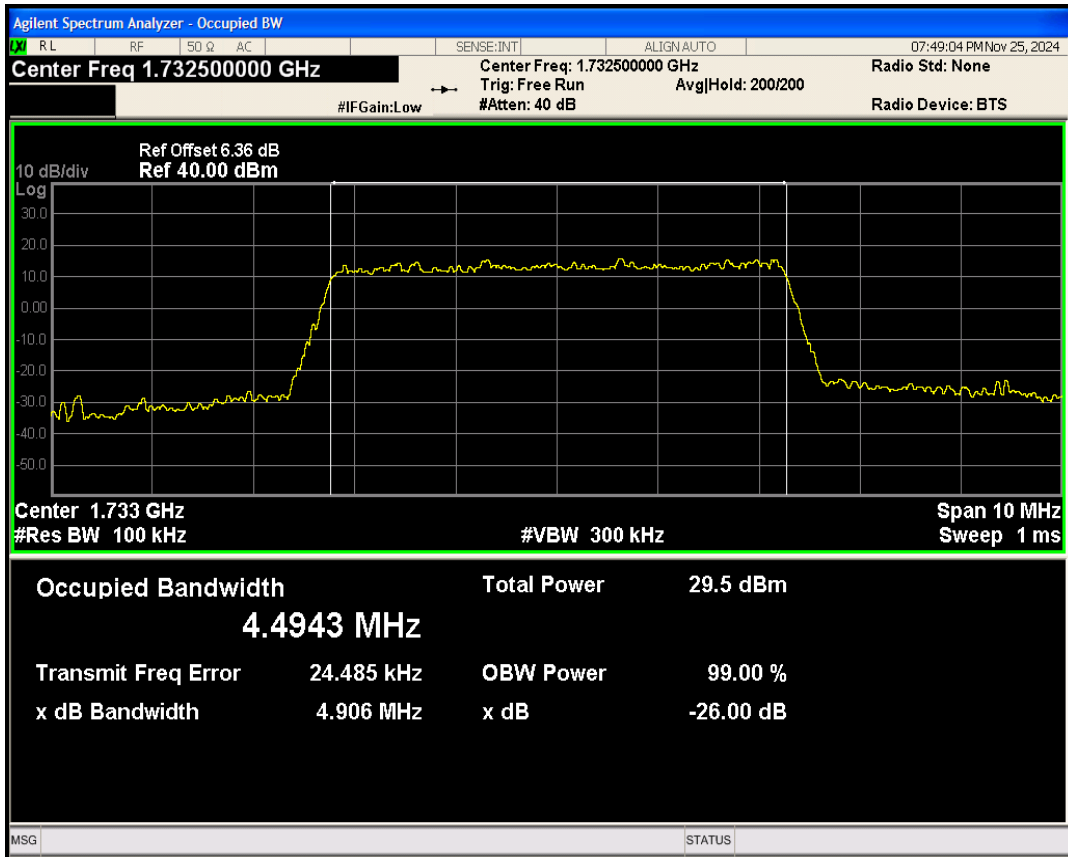
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



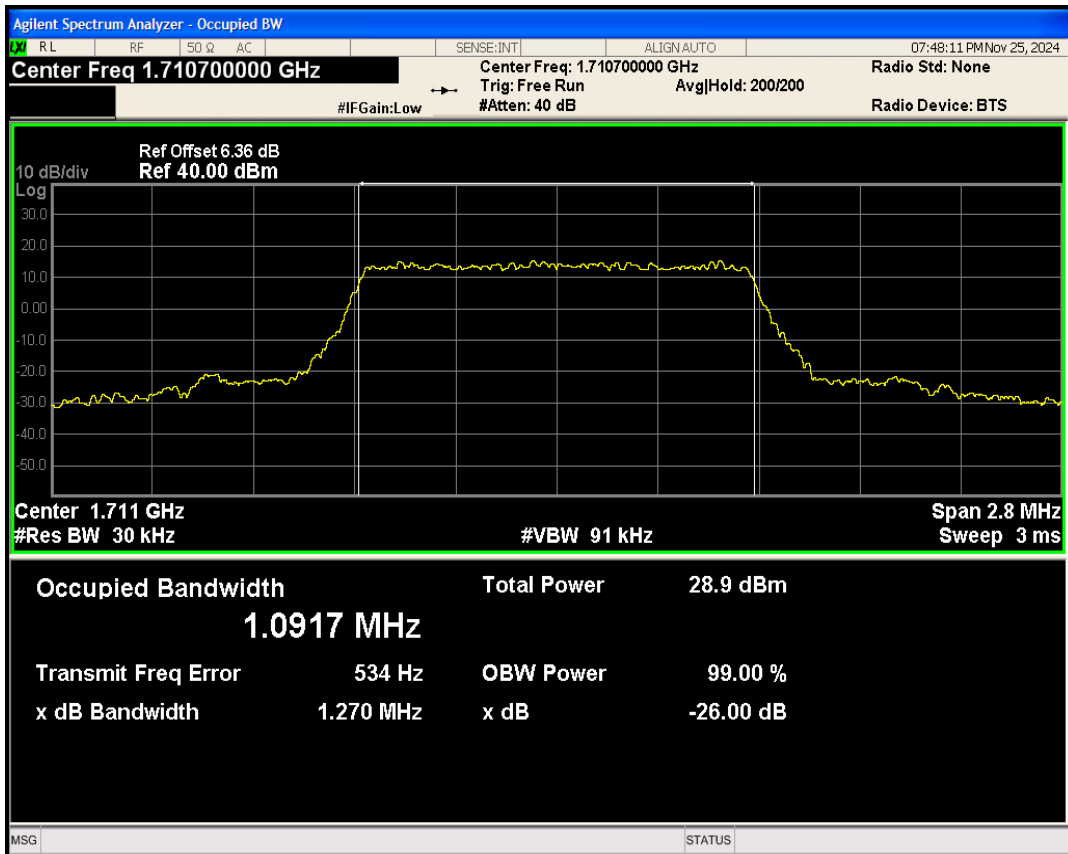
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



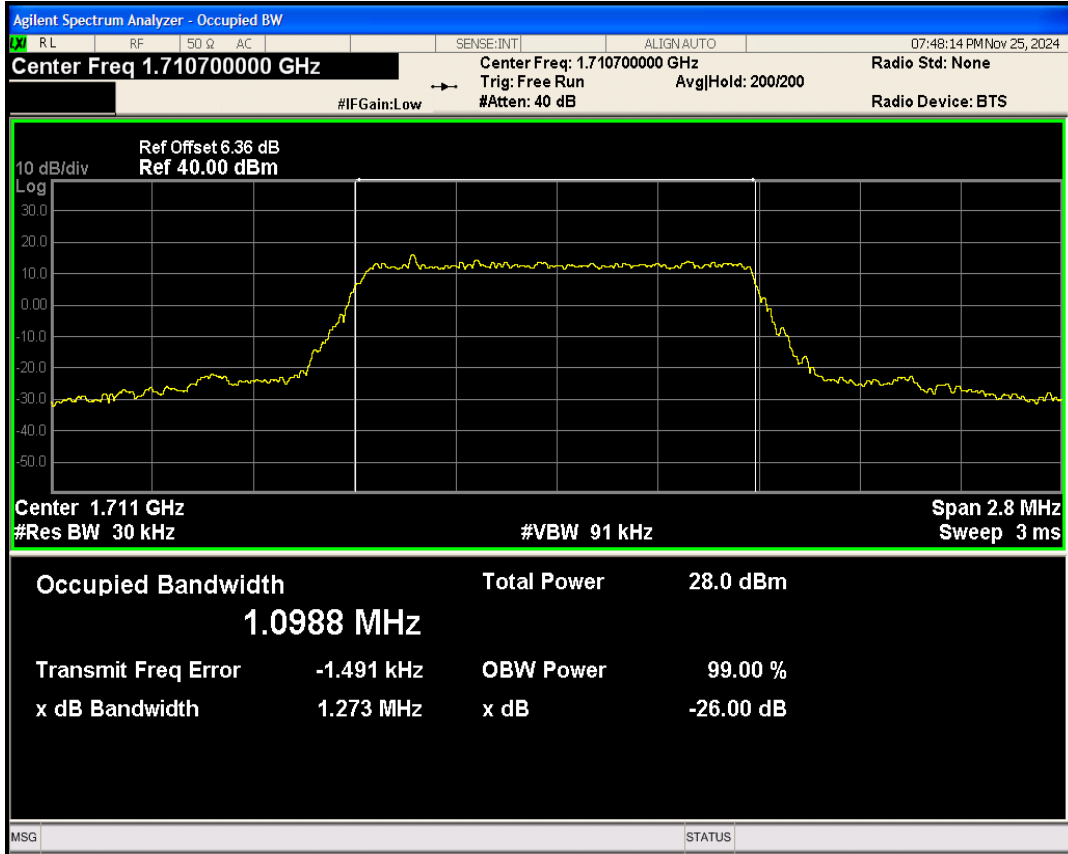
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



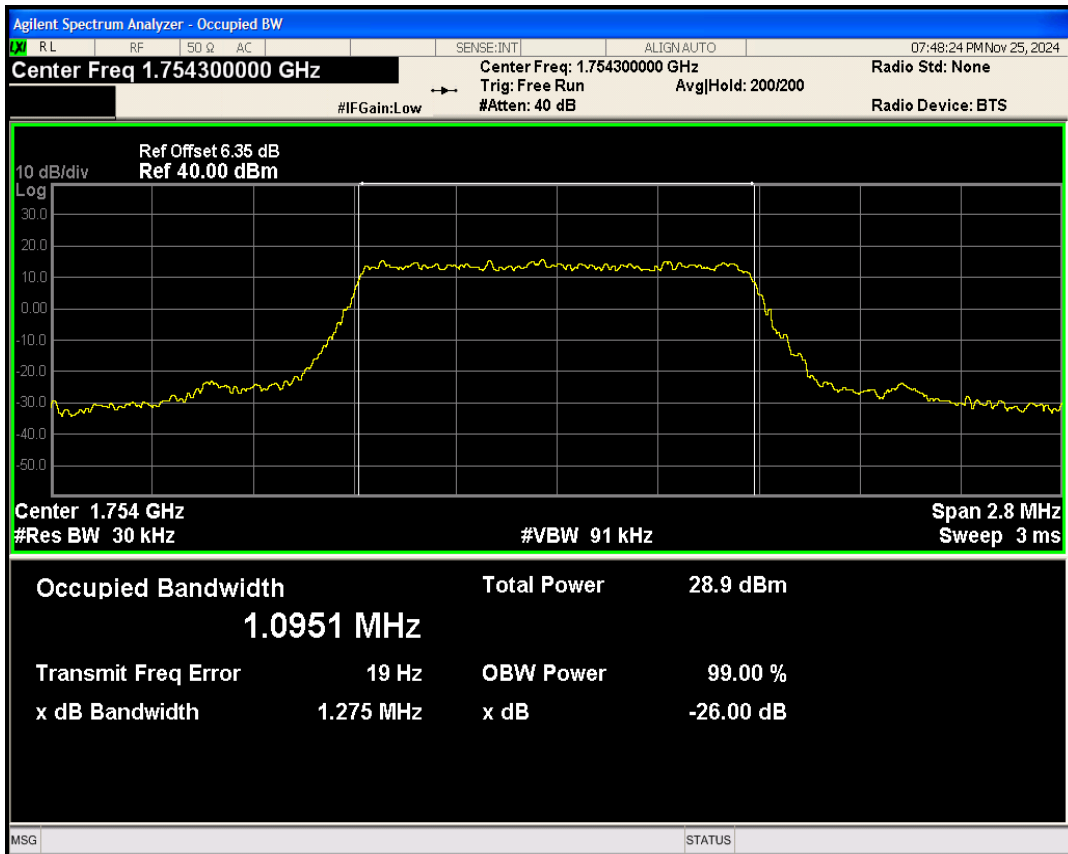
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



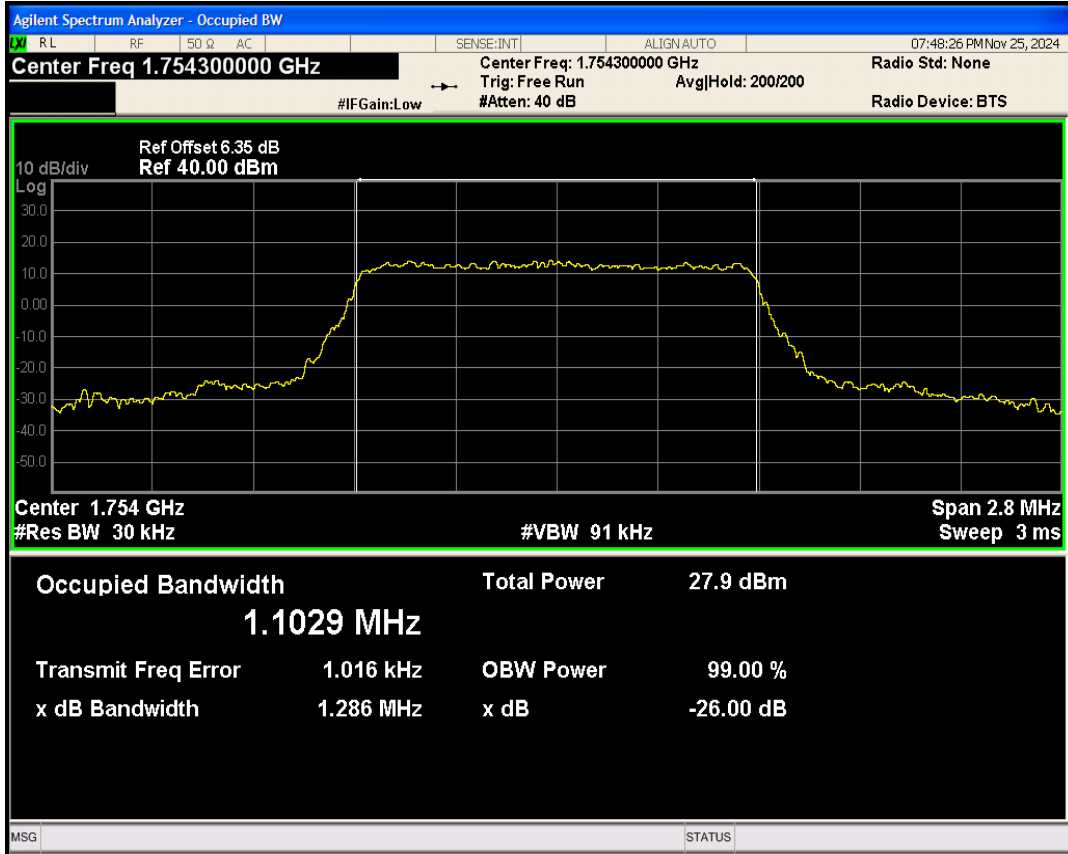
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



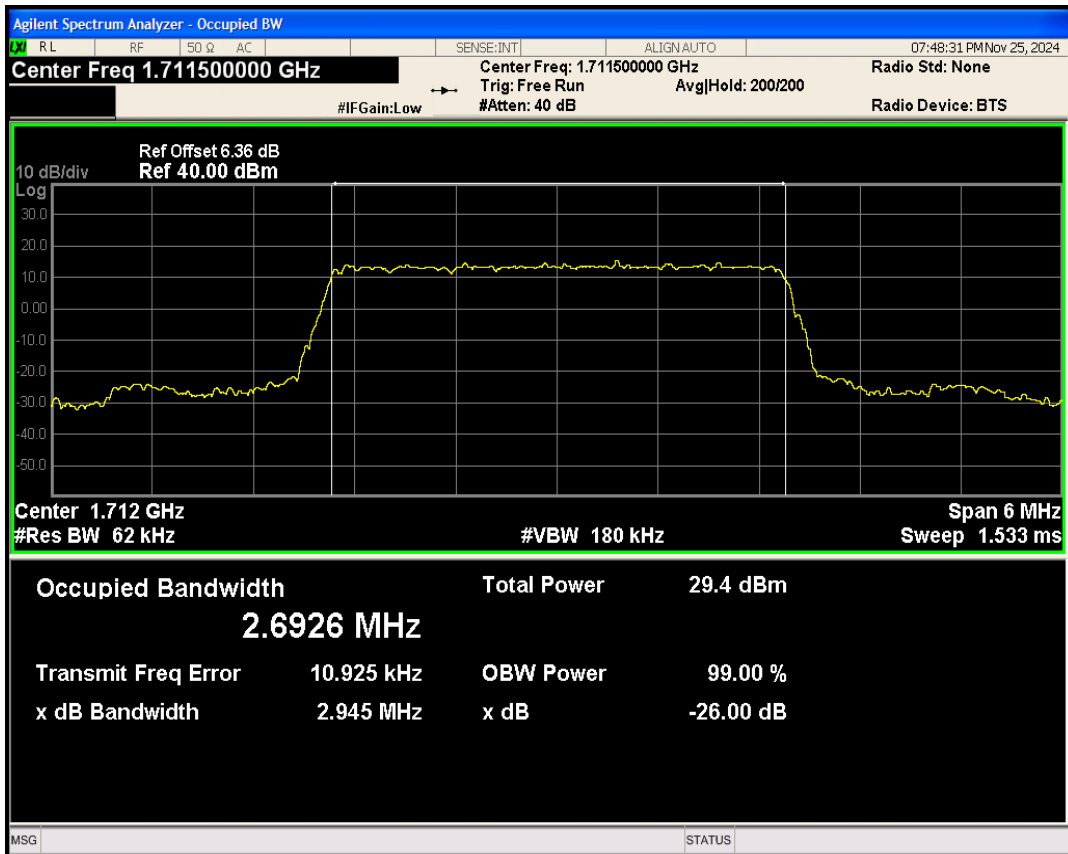
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



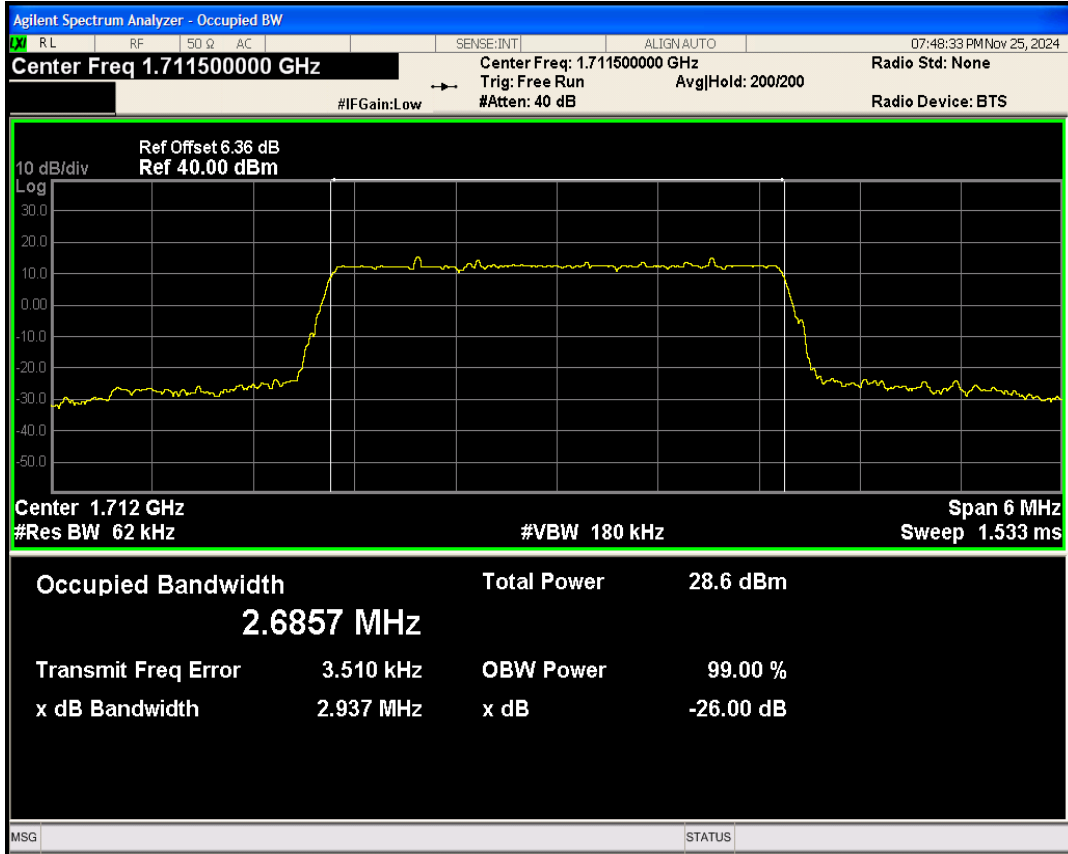
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



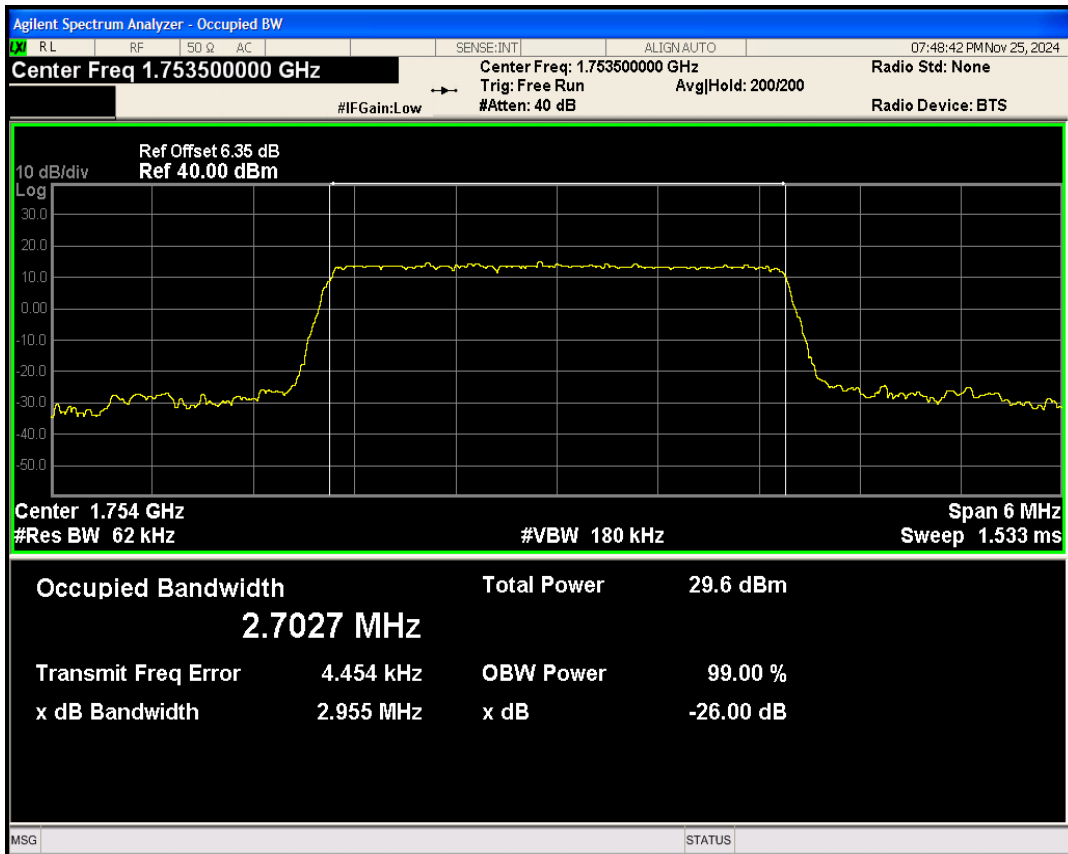
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



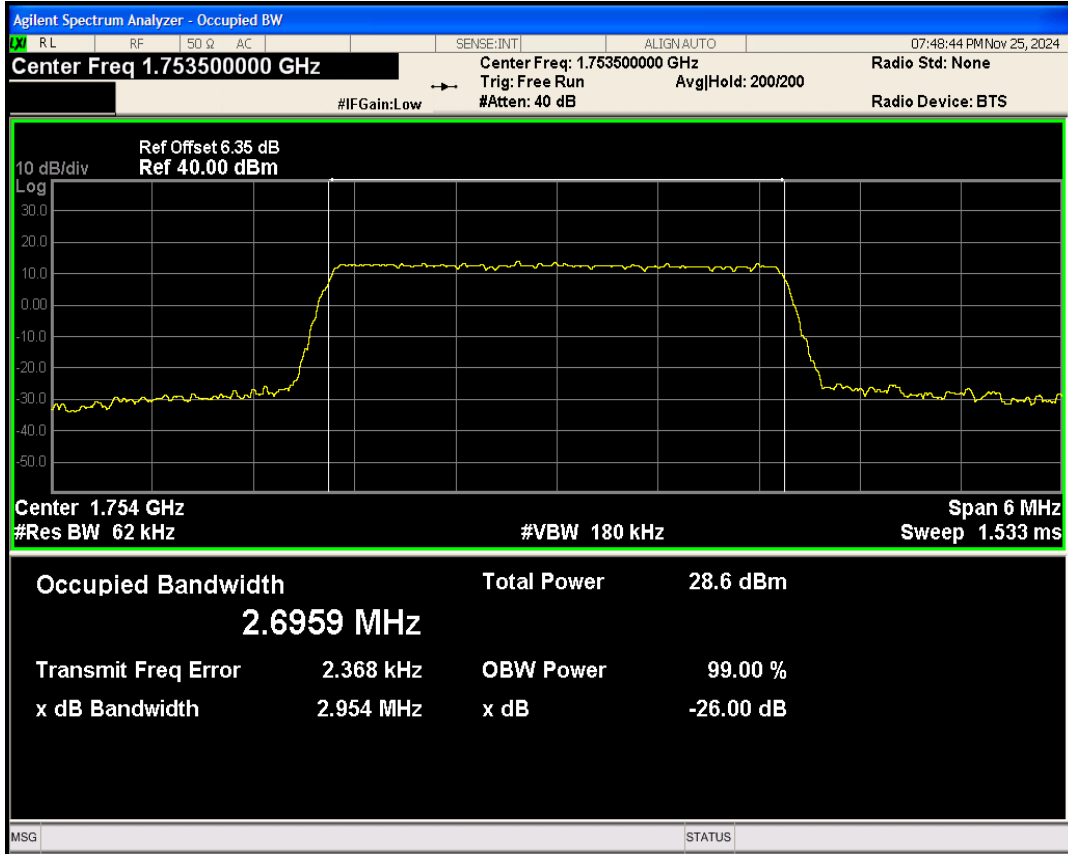
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



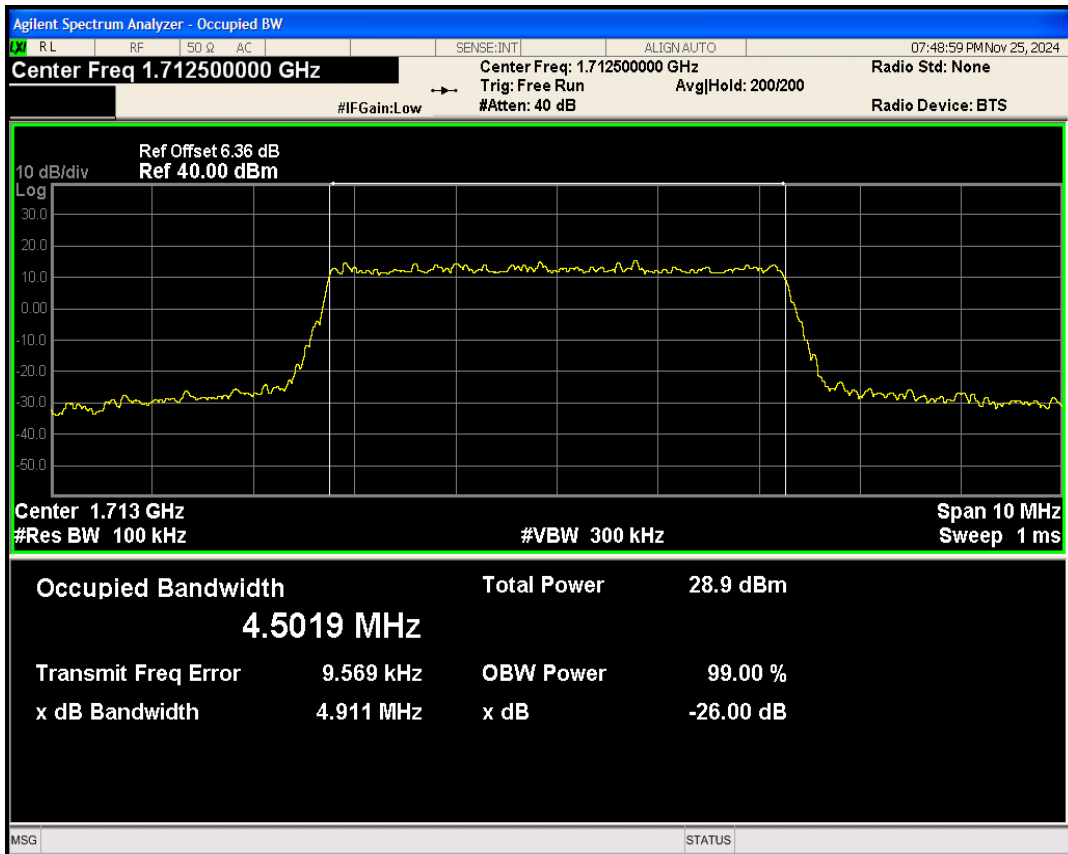
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



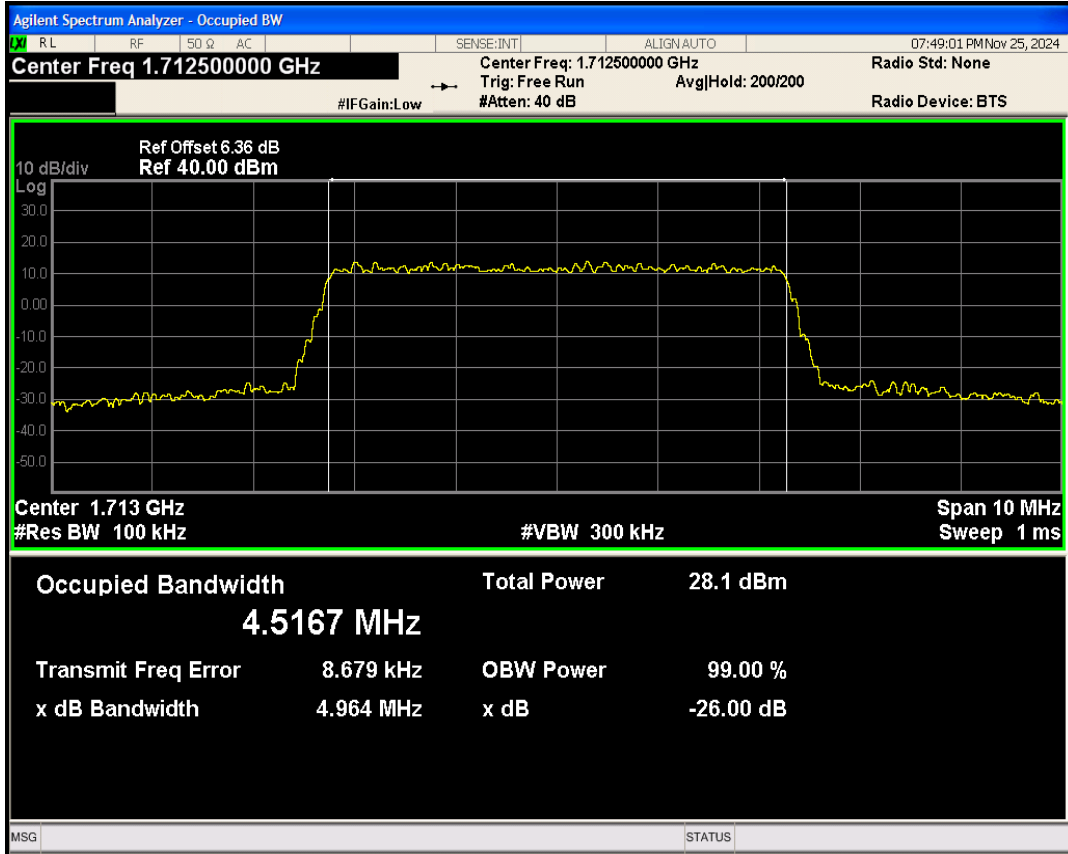
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



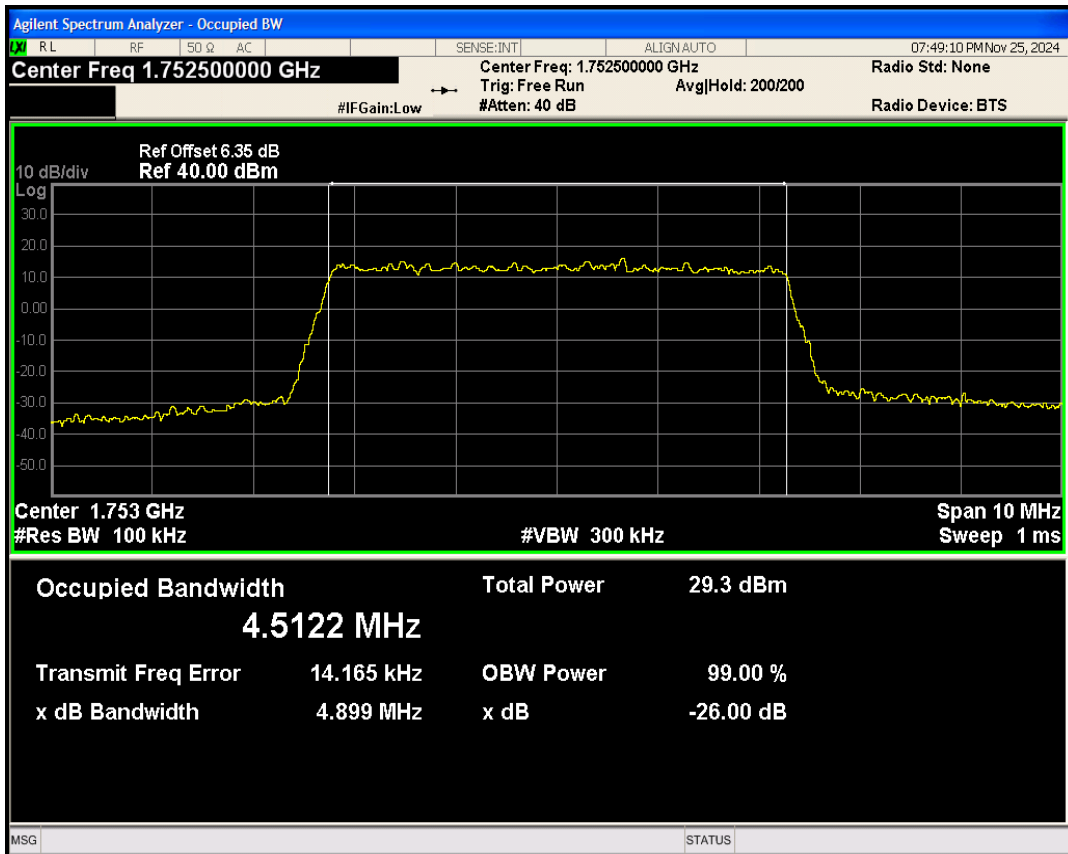
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



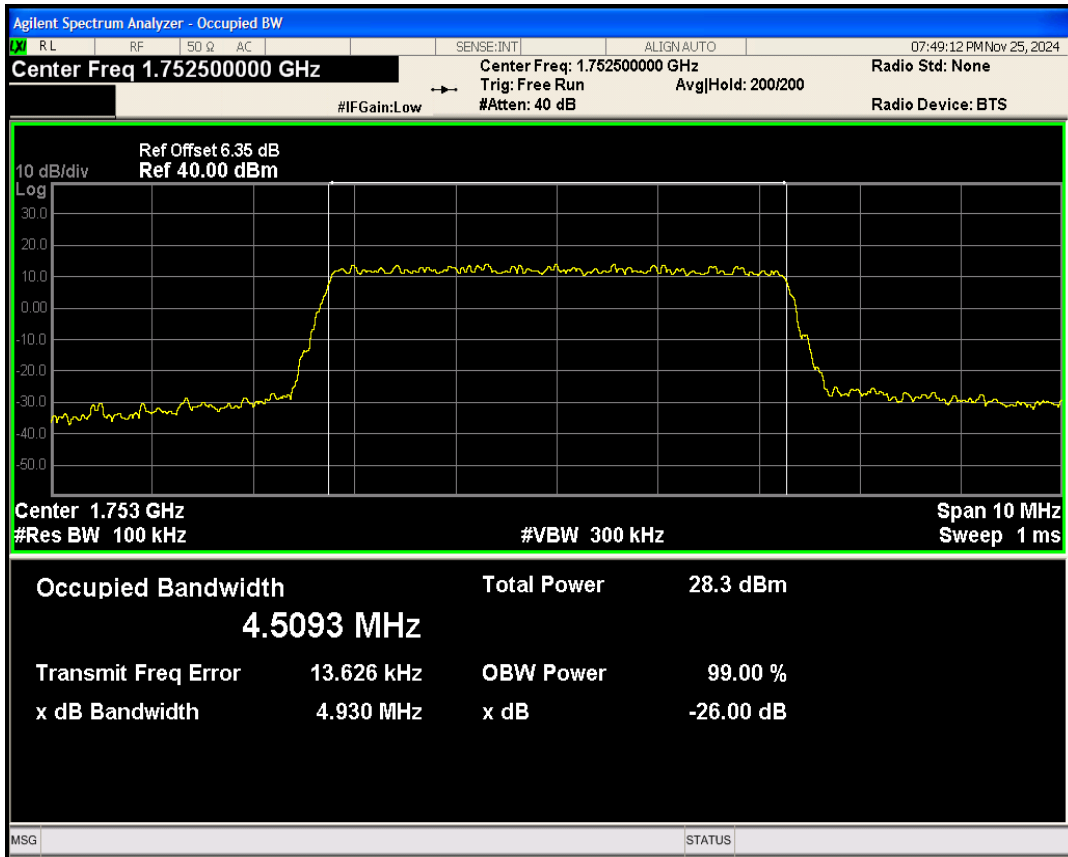
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



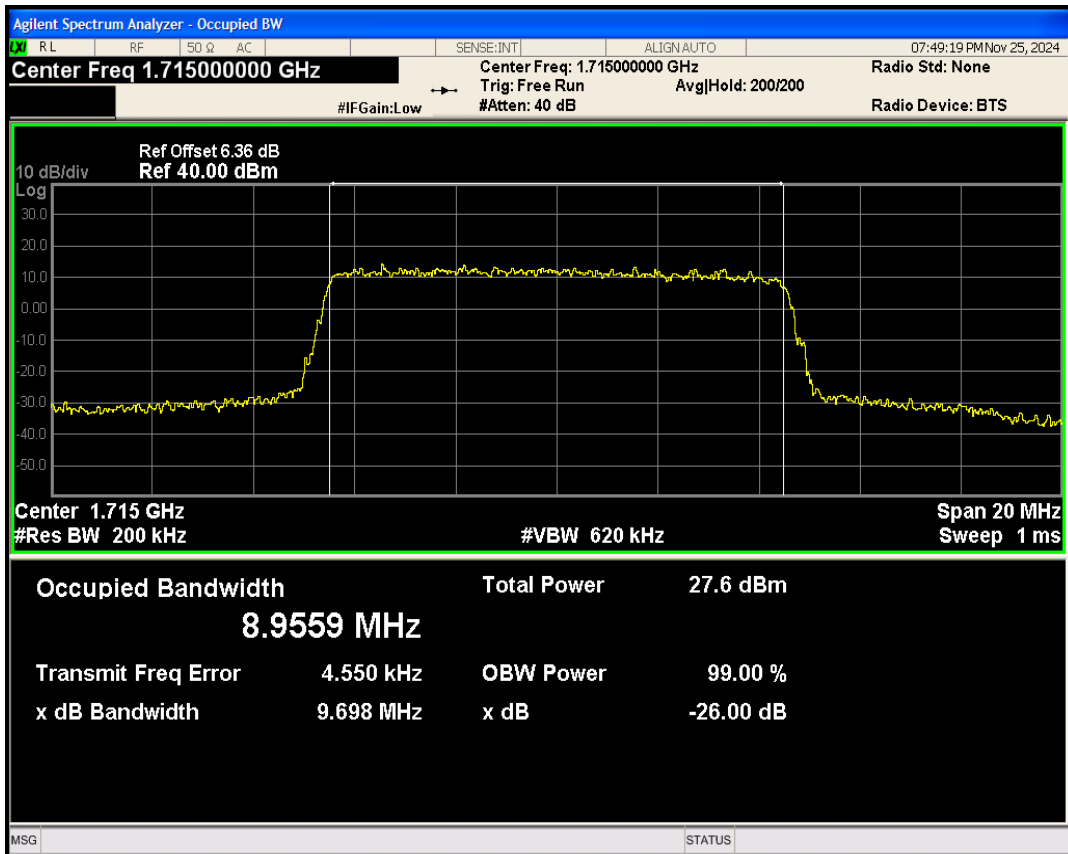
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



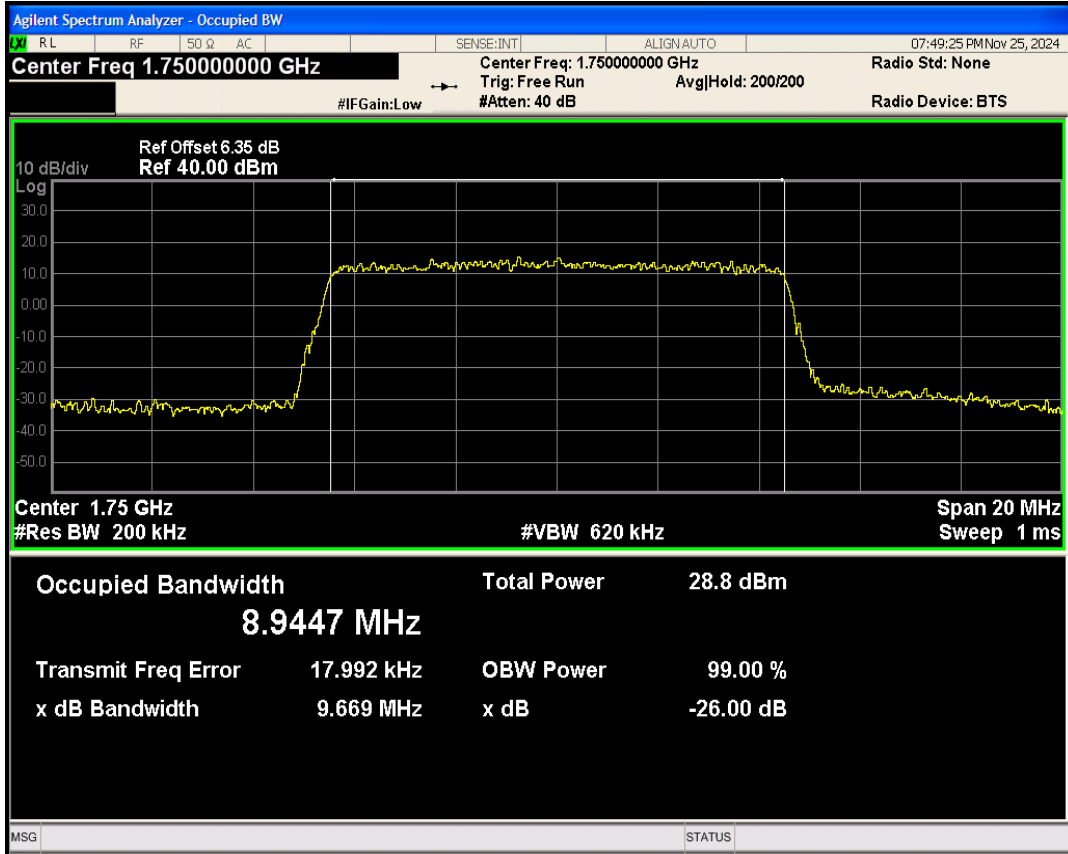
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



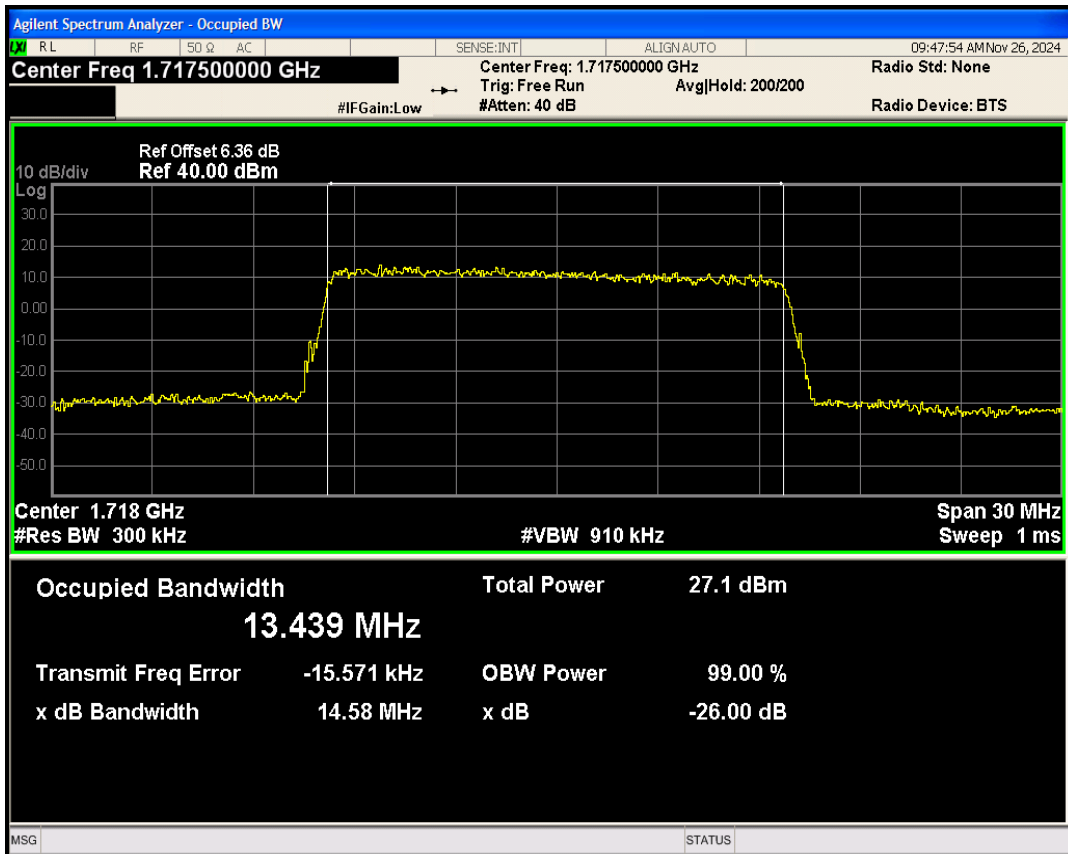
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



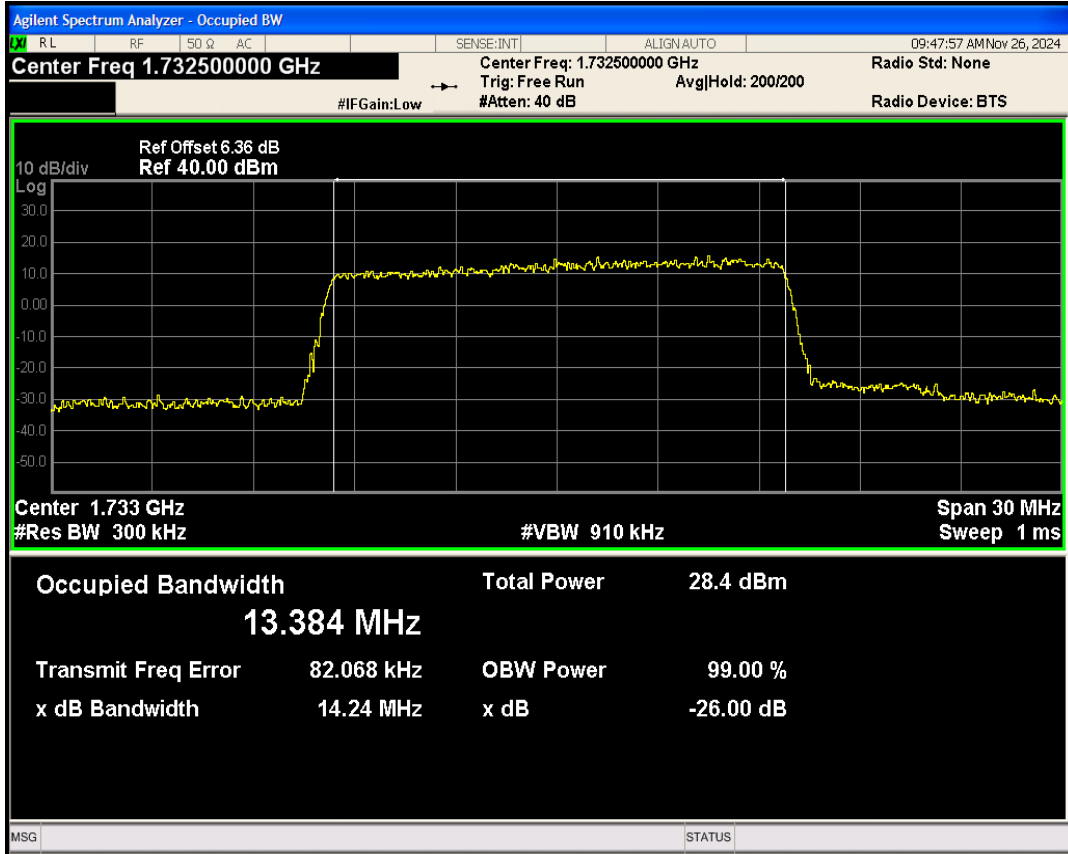
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



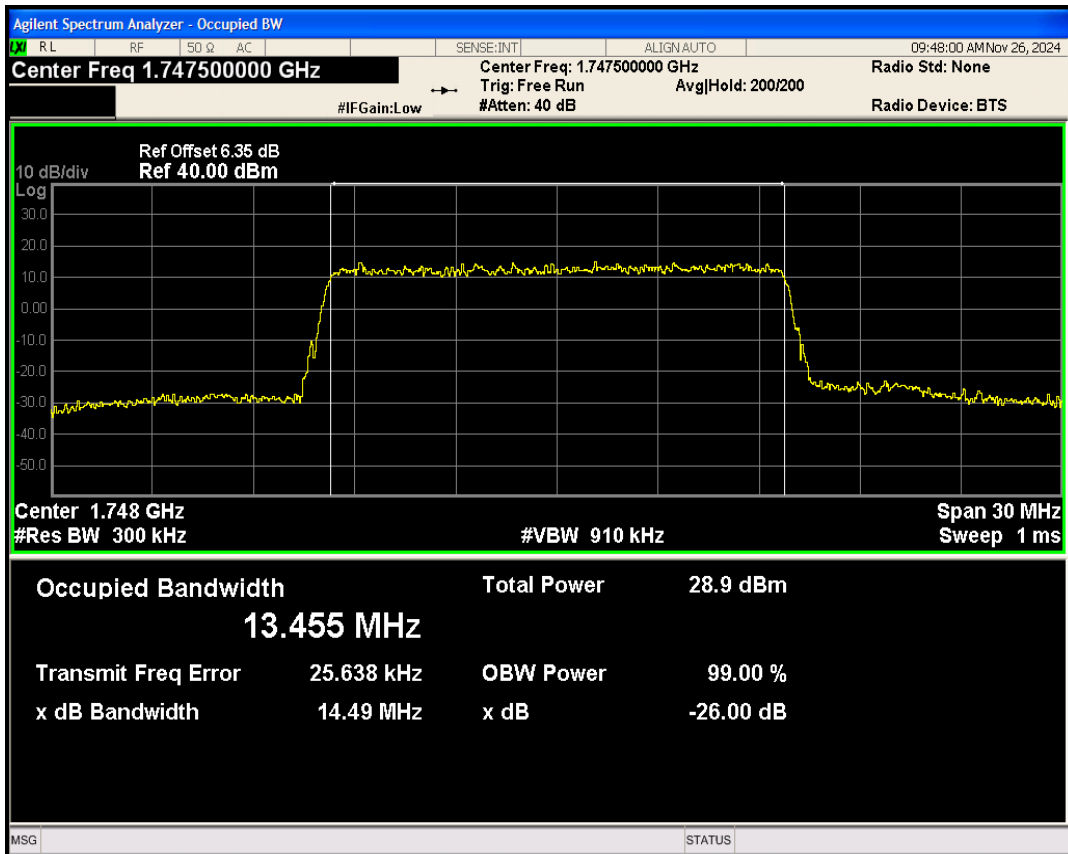
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



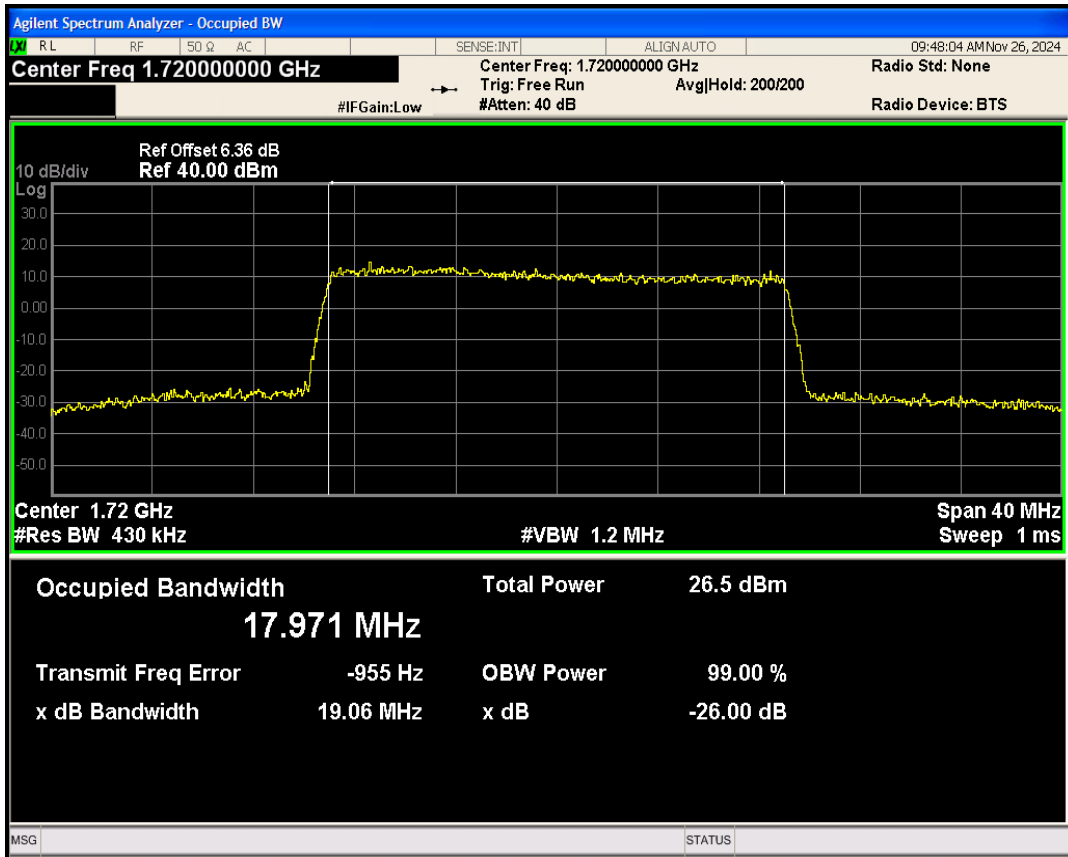
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



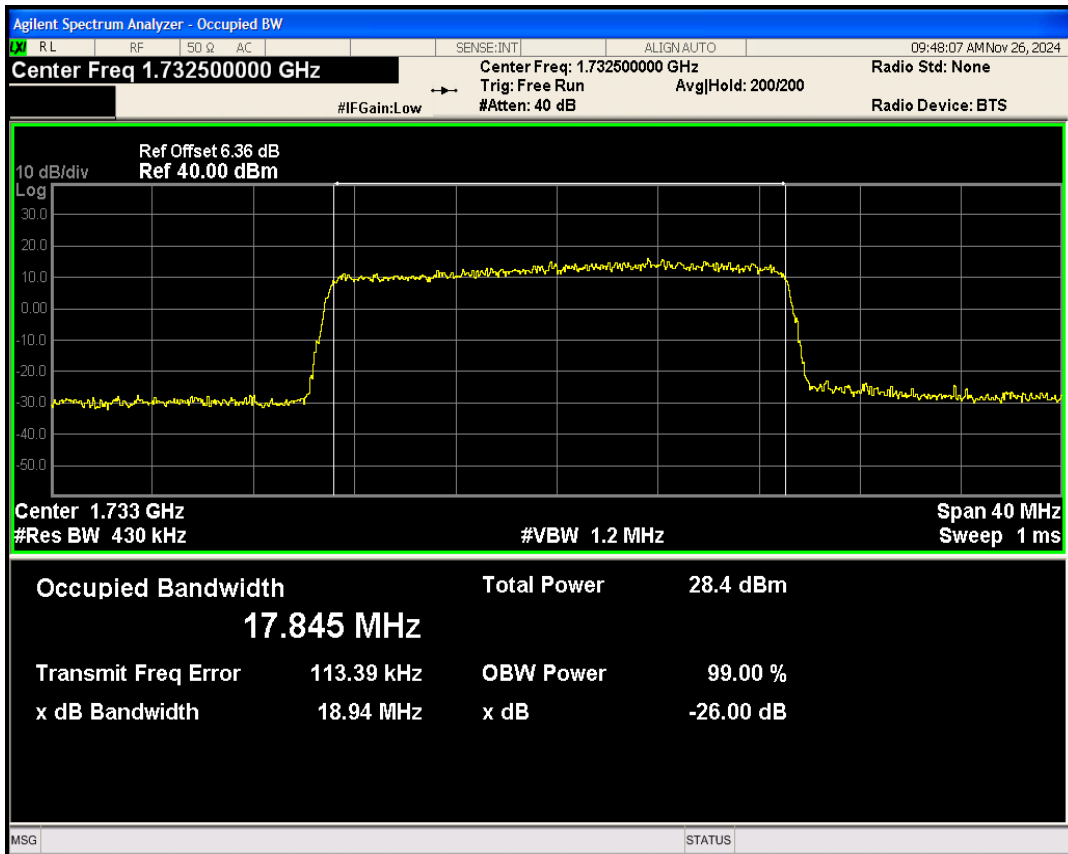
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



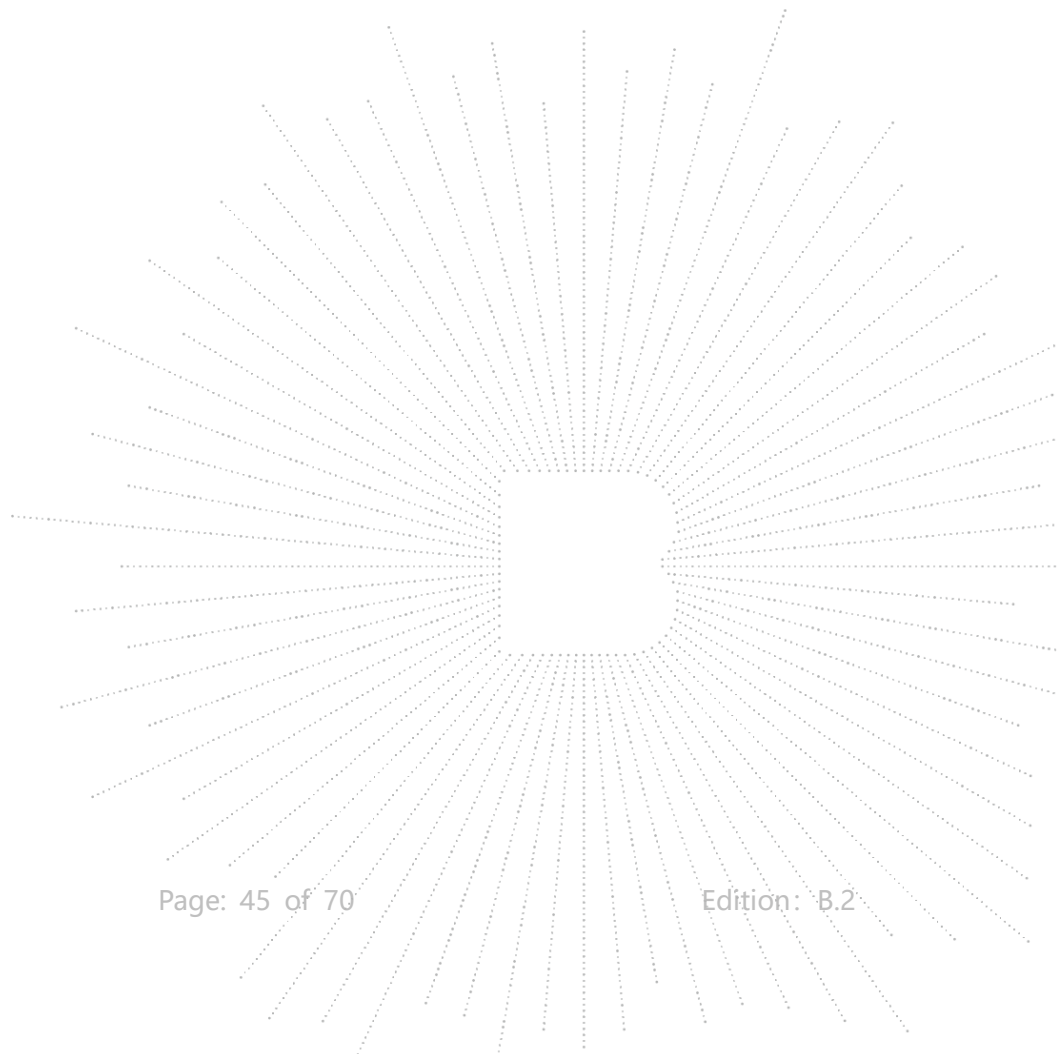
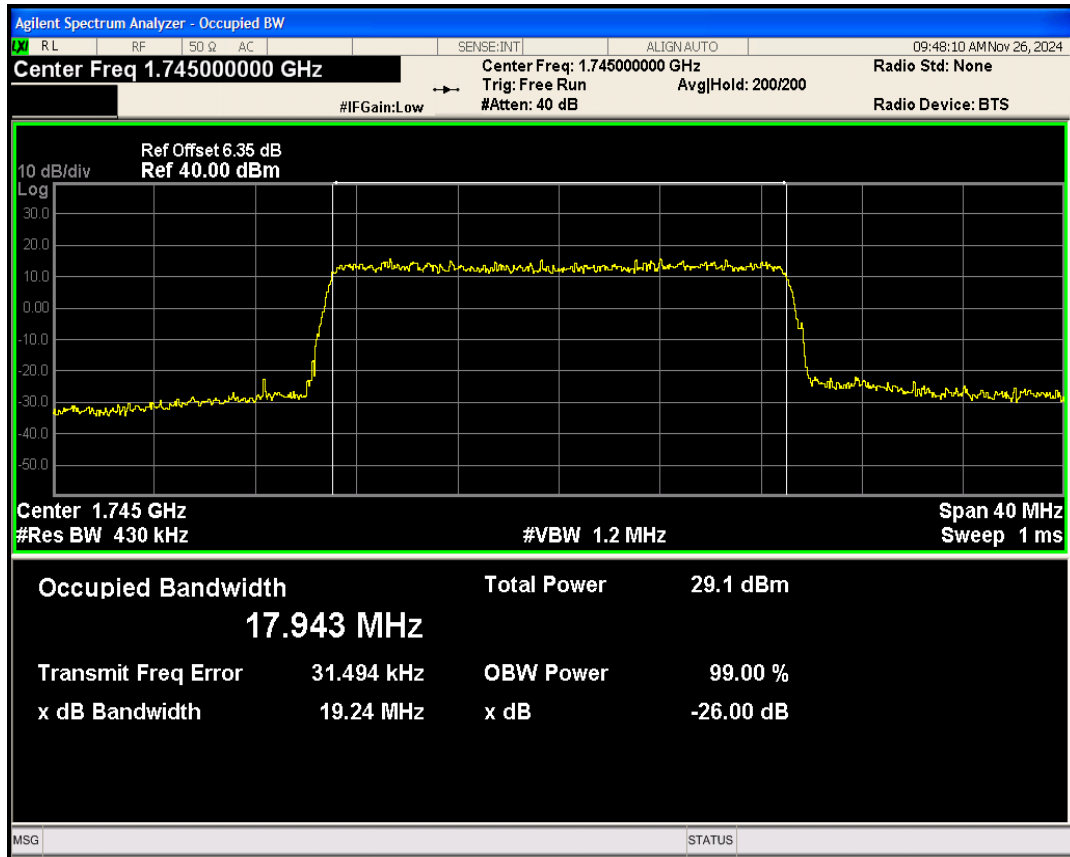
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



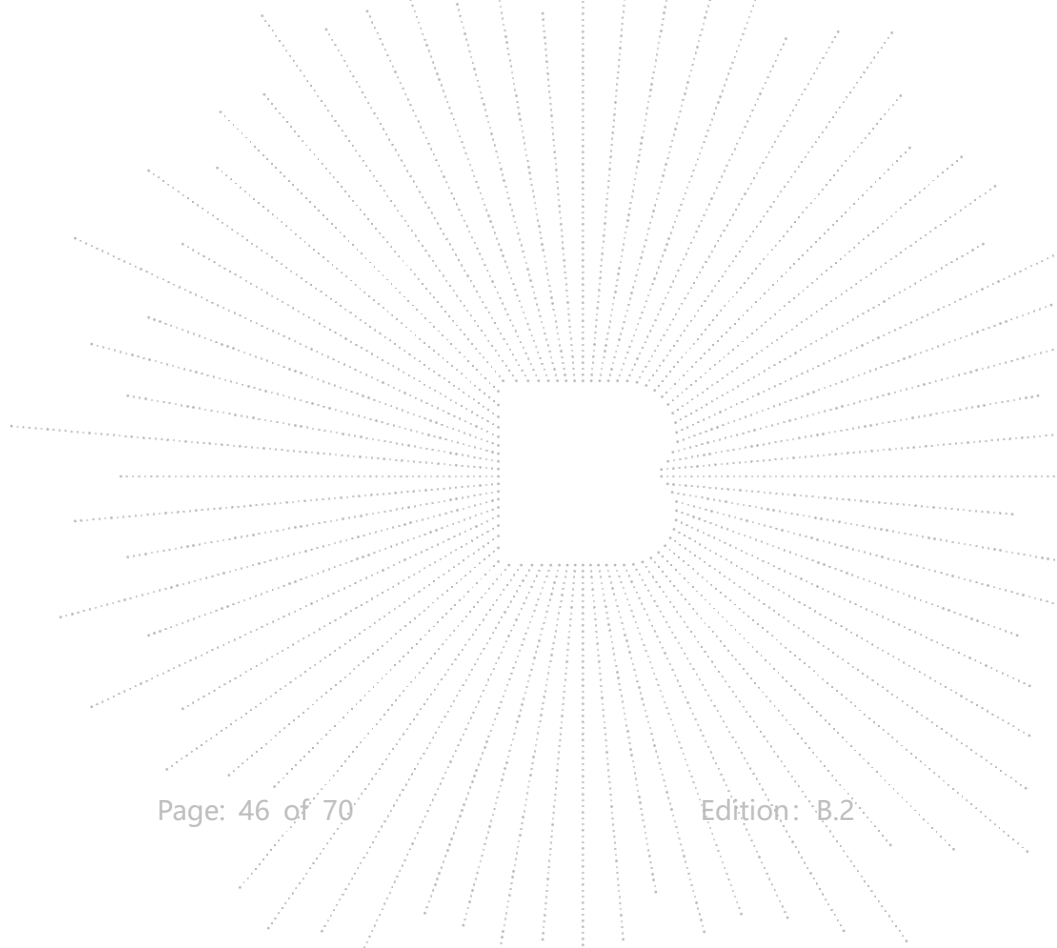
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

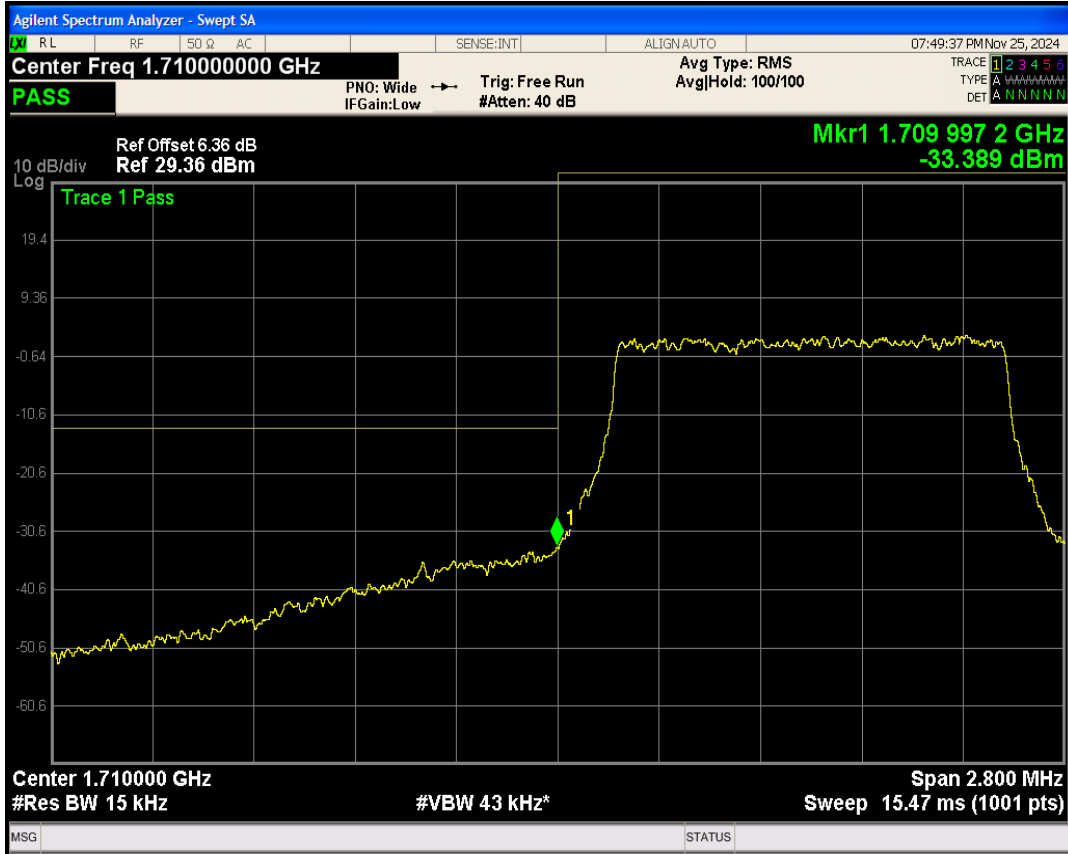


Appendix 5. Band edge

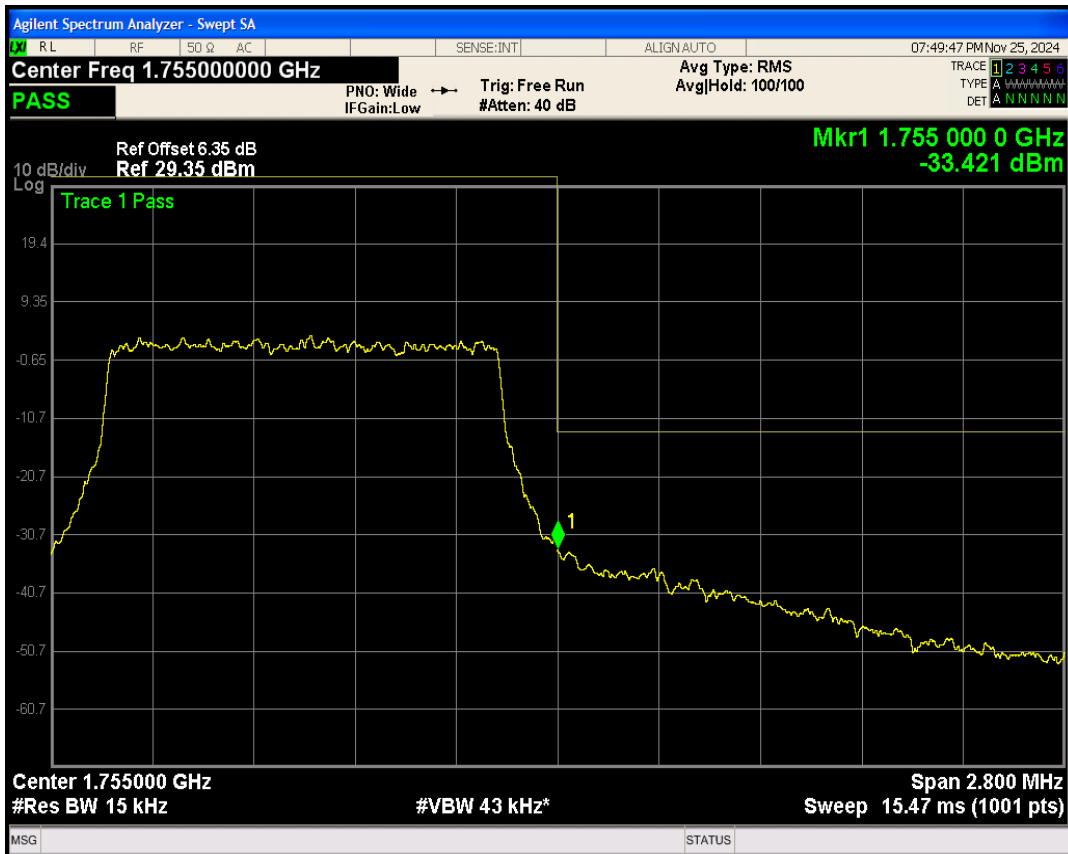
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.99	-32.81	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-33.38	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-32.33	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-33.42	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-32.21	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-34.35	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-33.44	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.01	-33.52	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-31.88	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-33.68	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-31.21	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-33.10	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-36.73	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-36.29	-13	PASS
Band4	15	20025	75	#0	QPSK	1707.60	-36.83	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.48	-33.72	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.80	-37.04	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.32	-33.87	-13	PASS

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

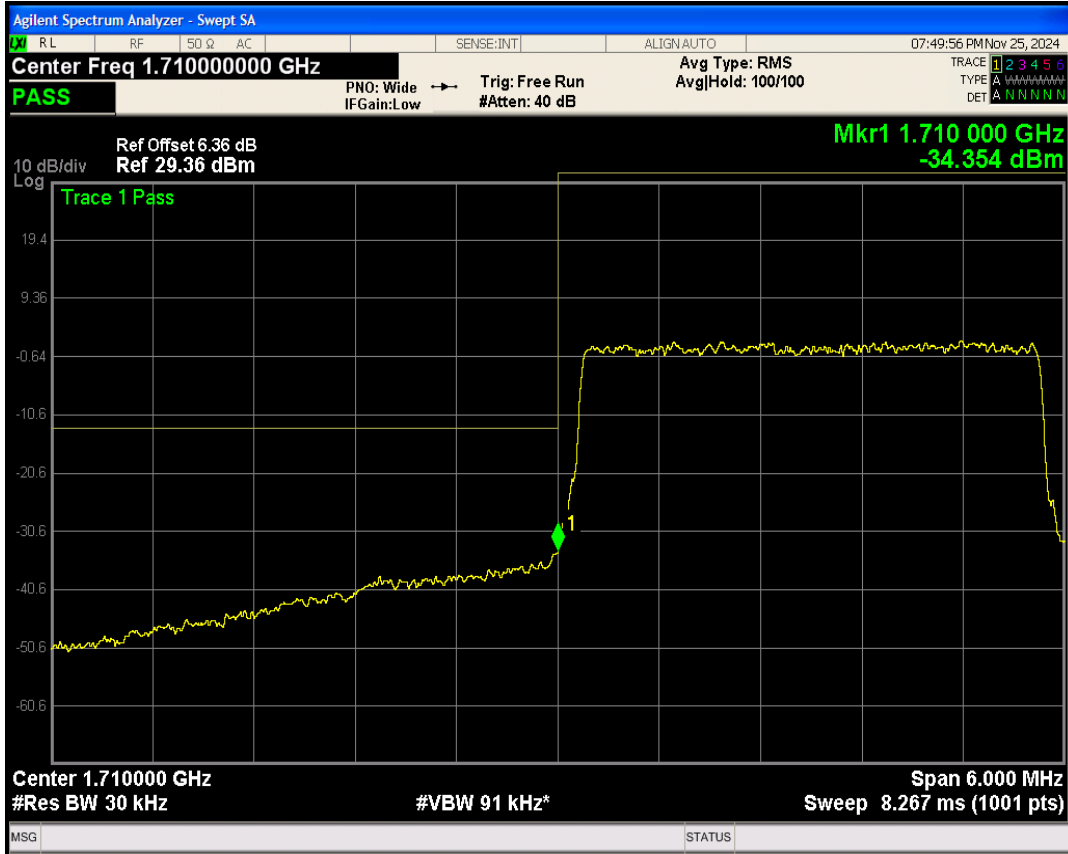




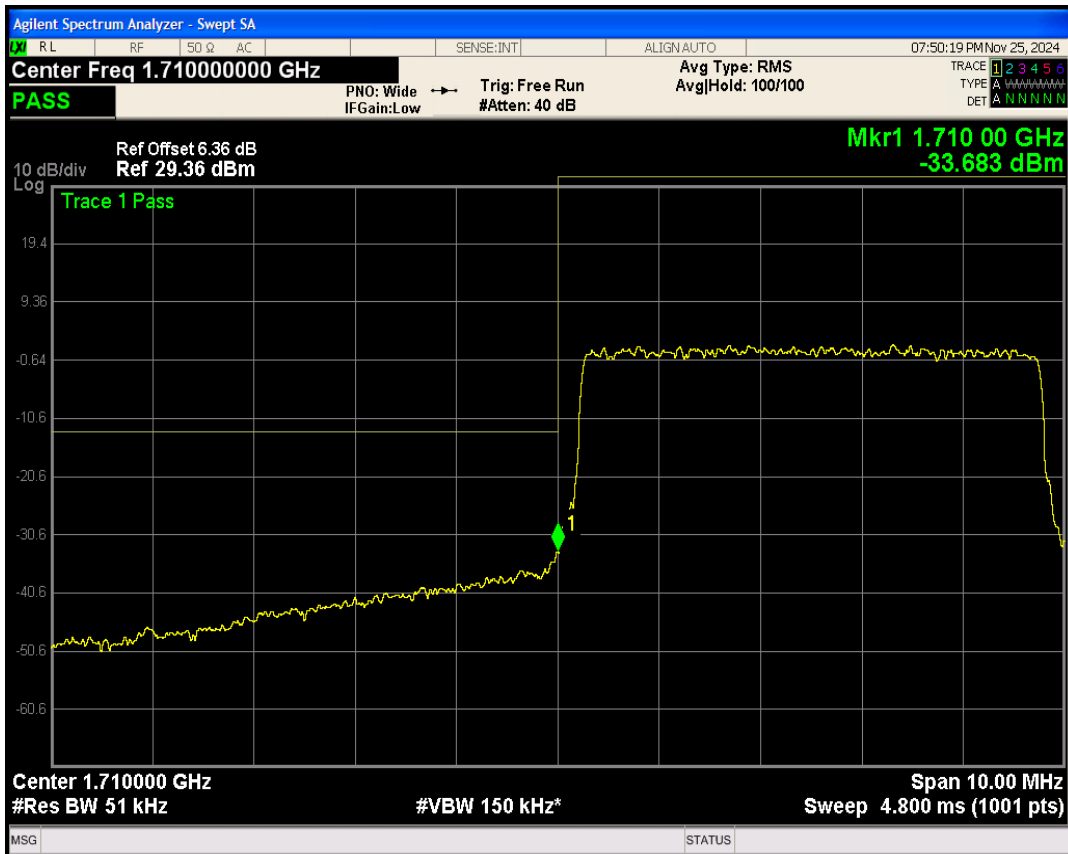
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



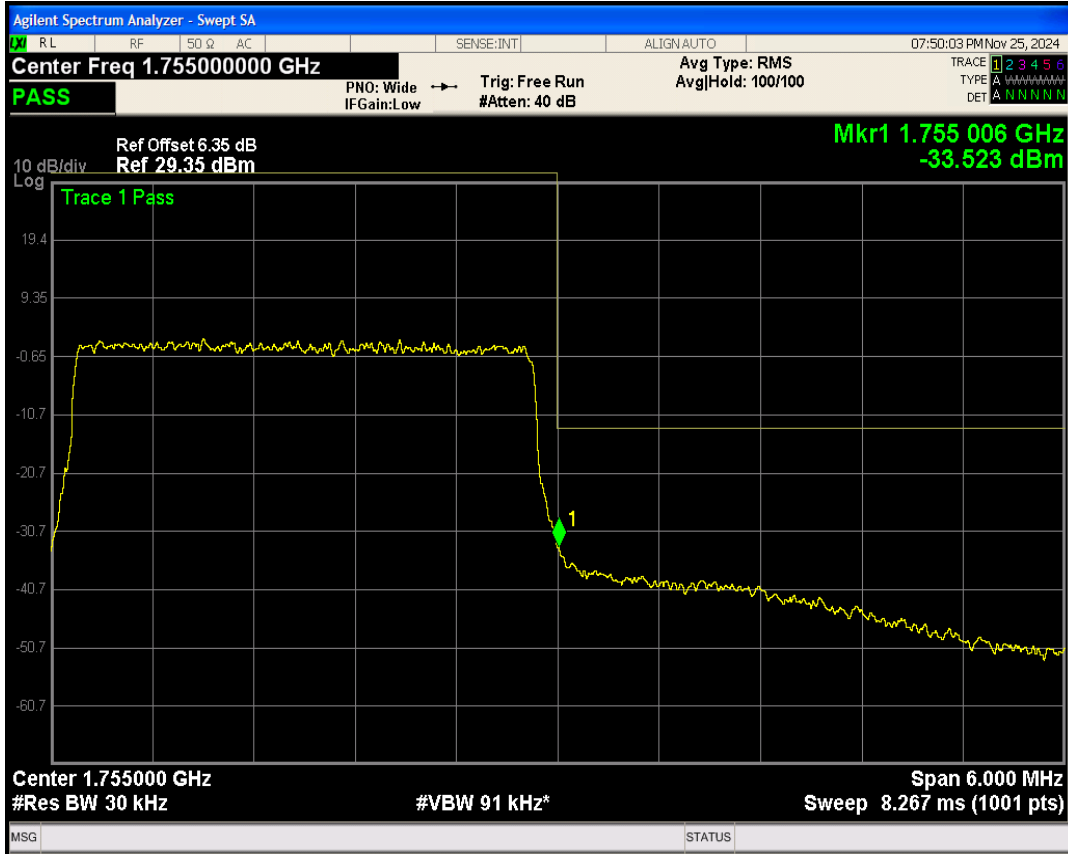
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



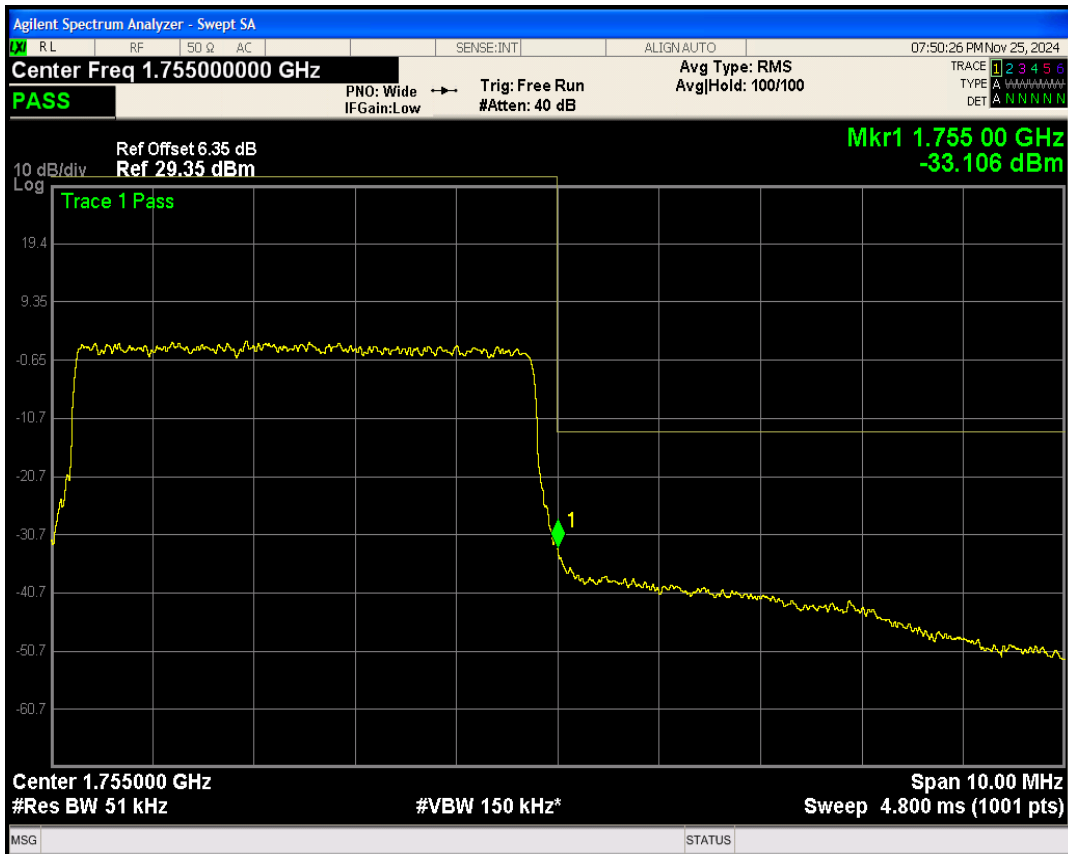
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



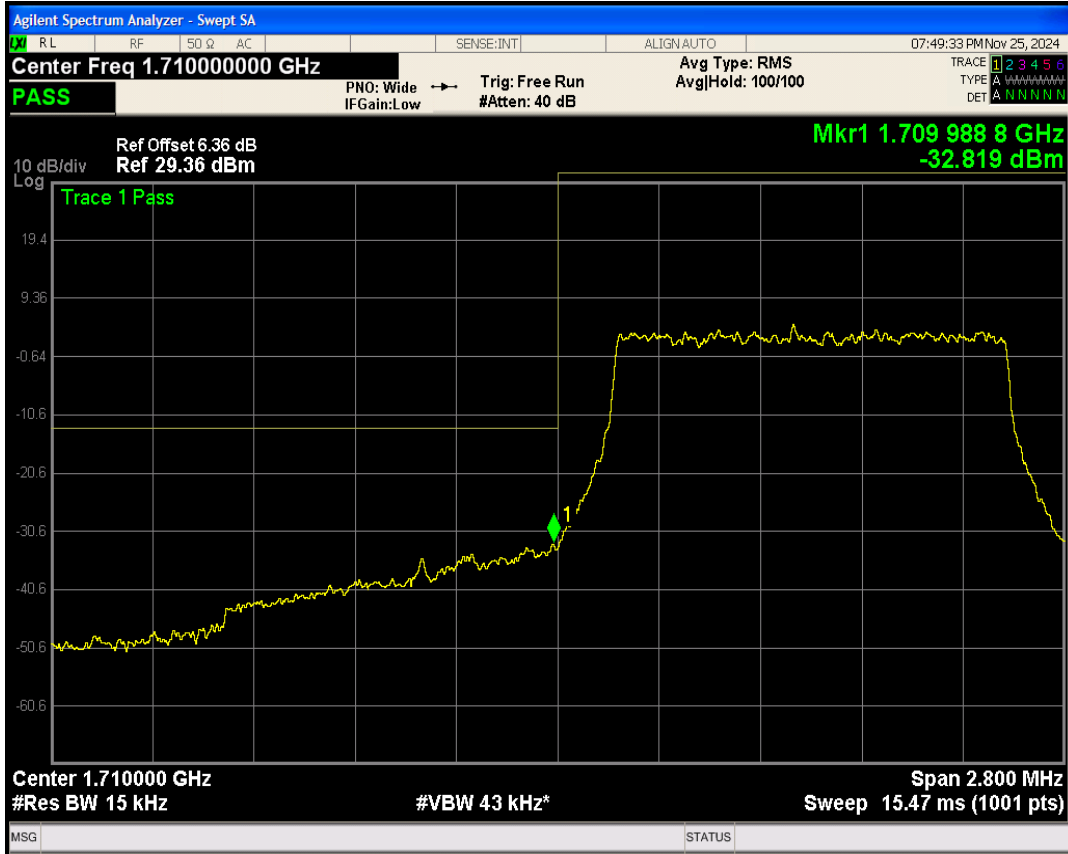
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



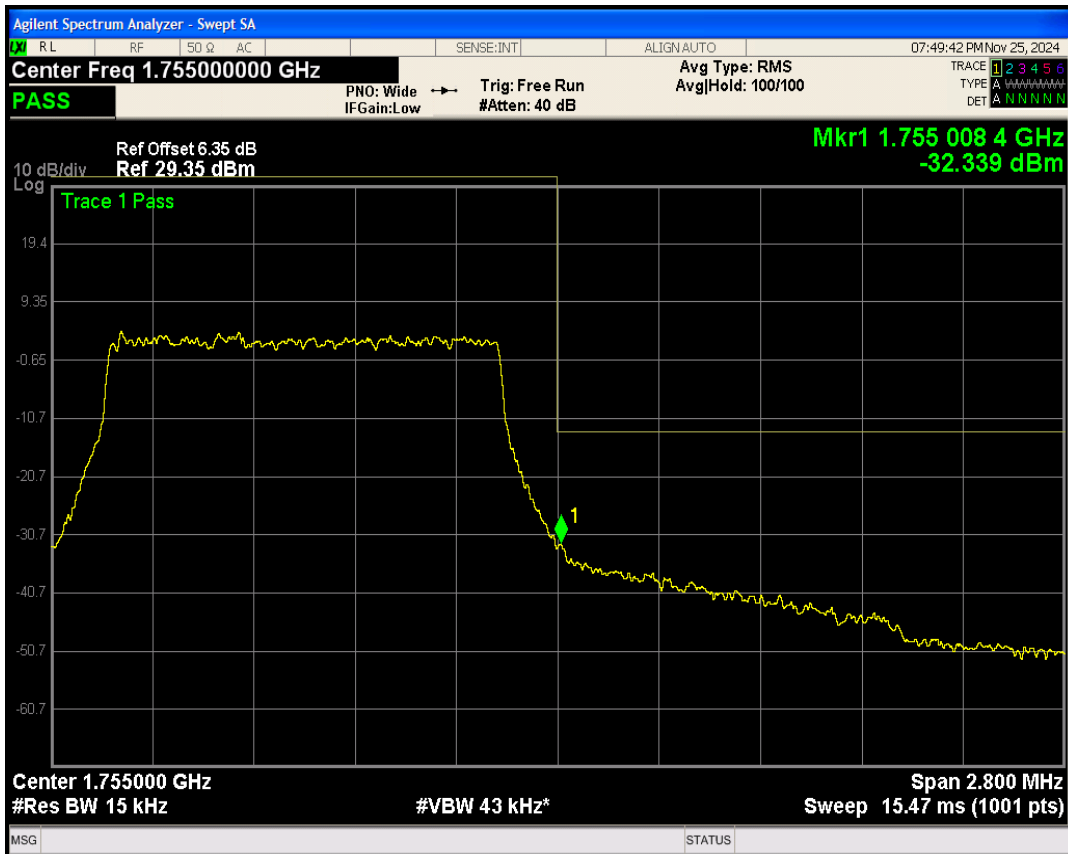
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



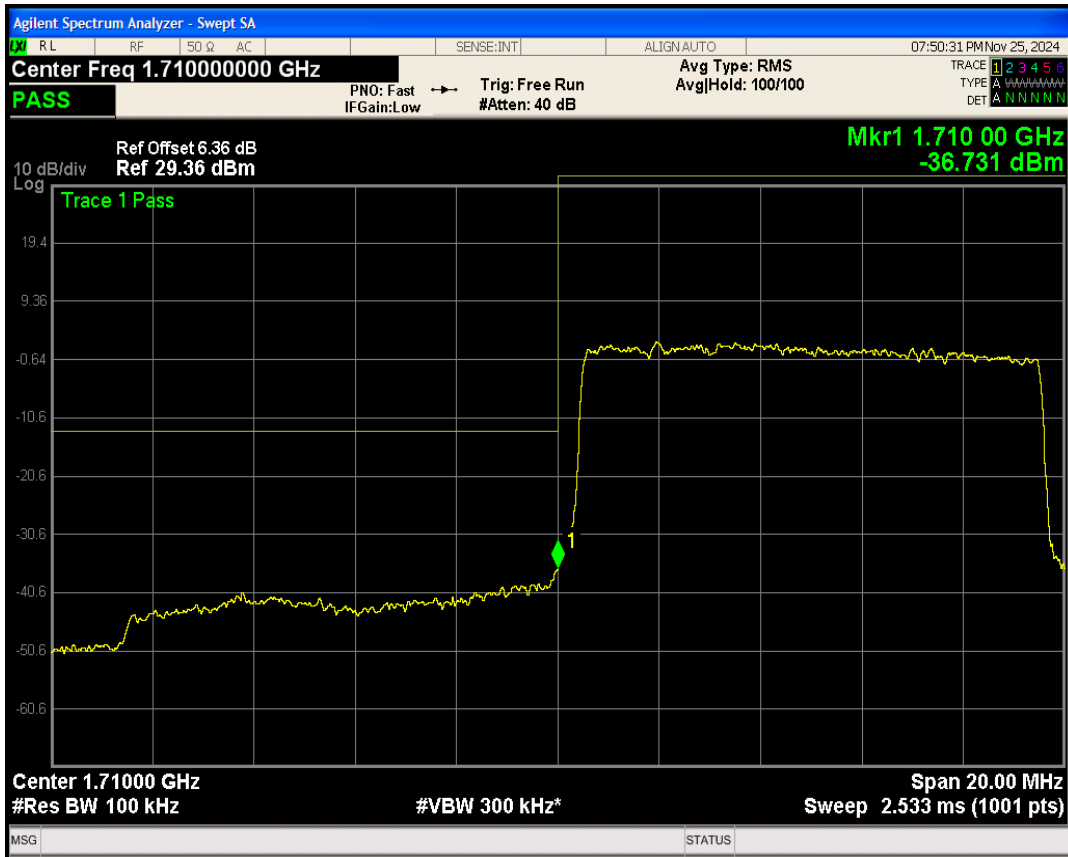
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



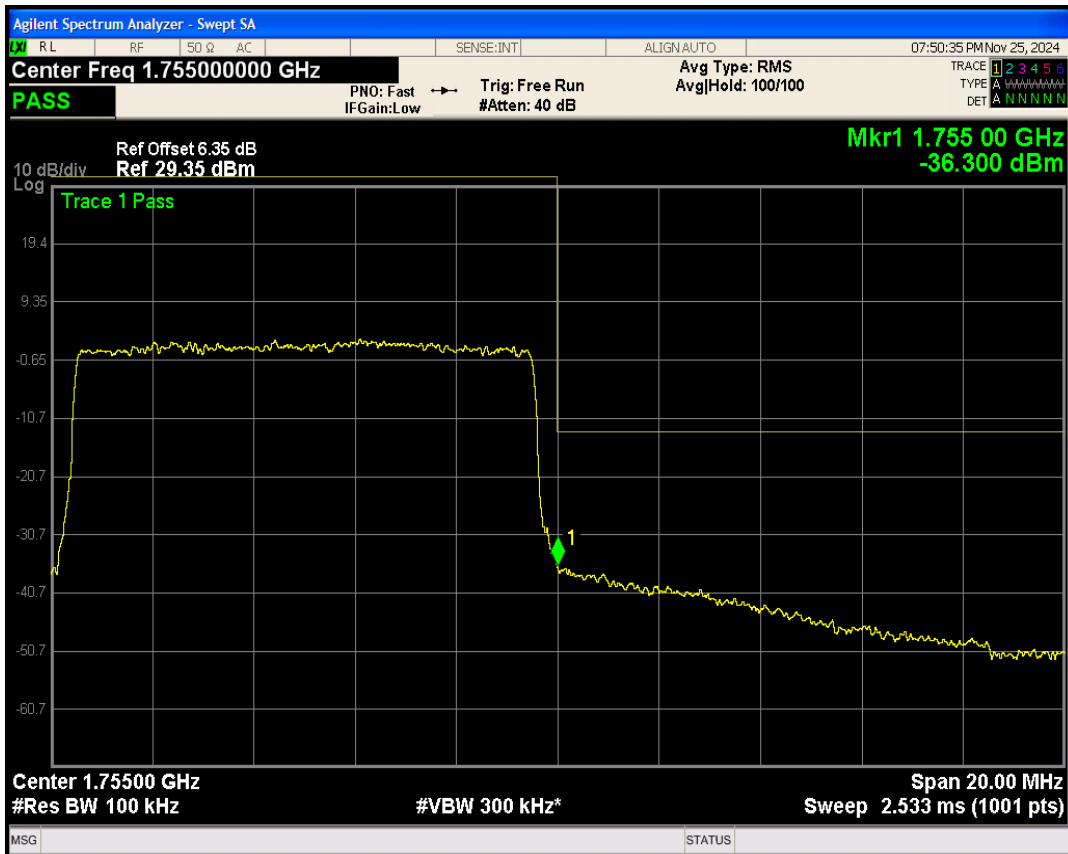
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



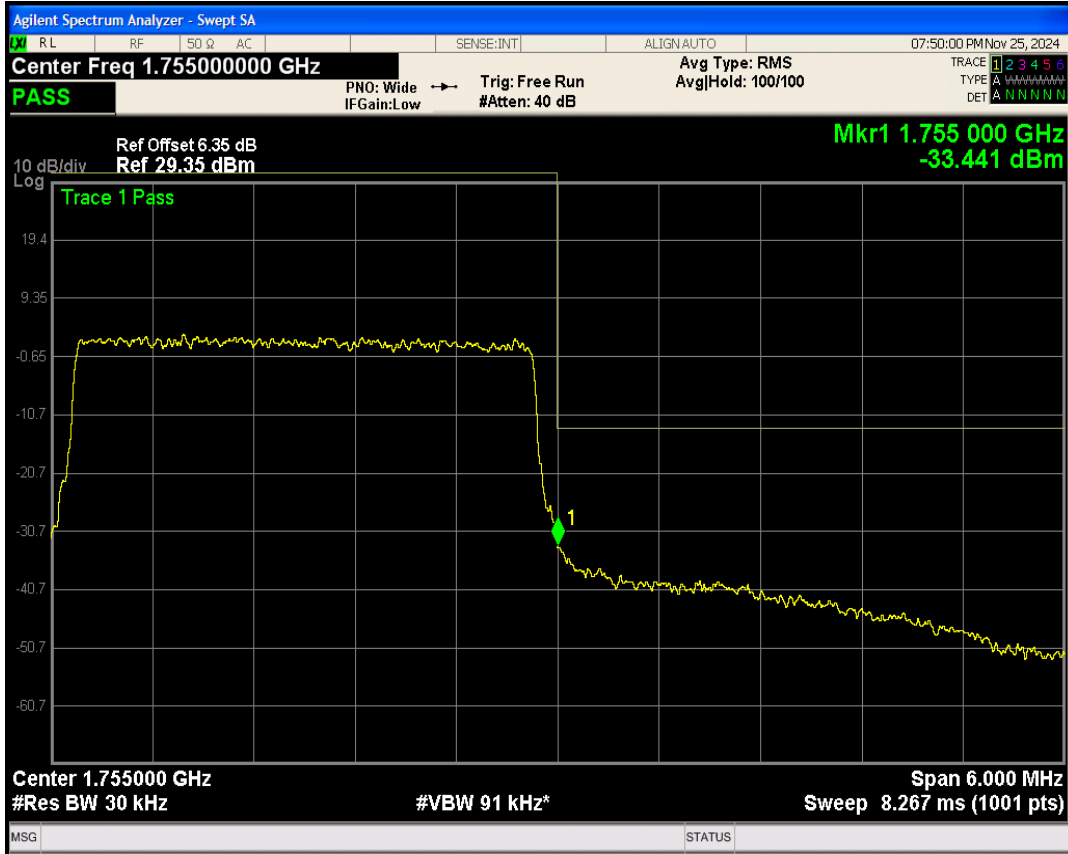
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



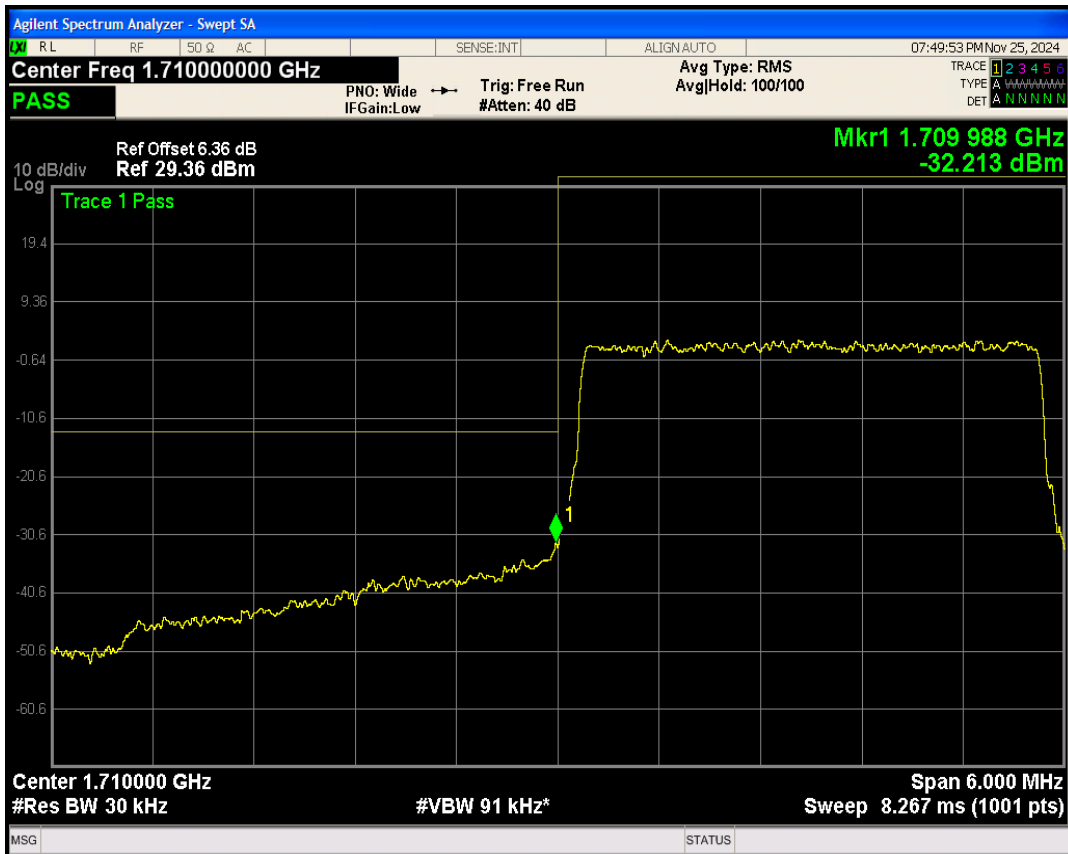
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



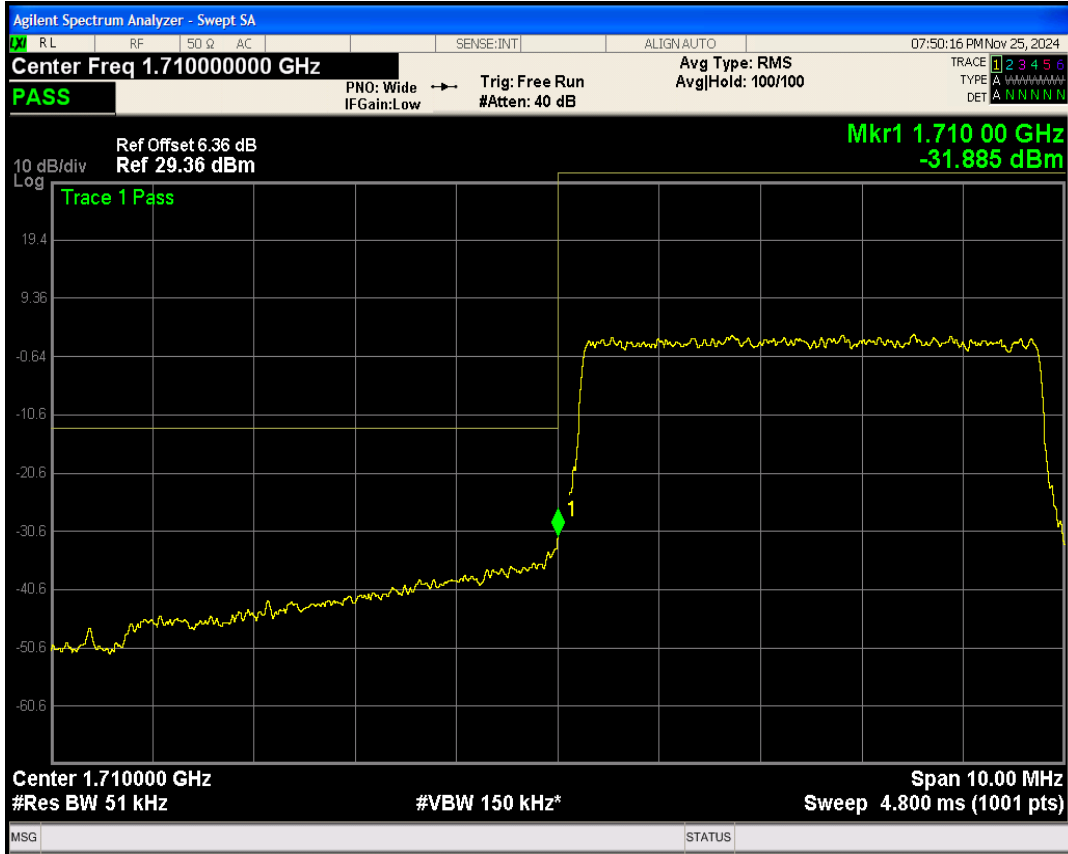
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



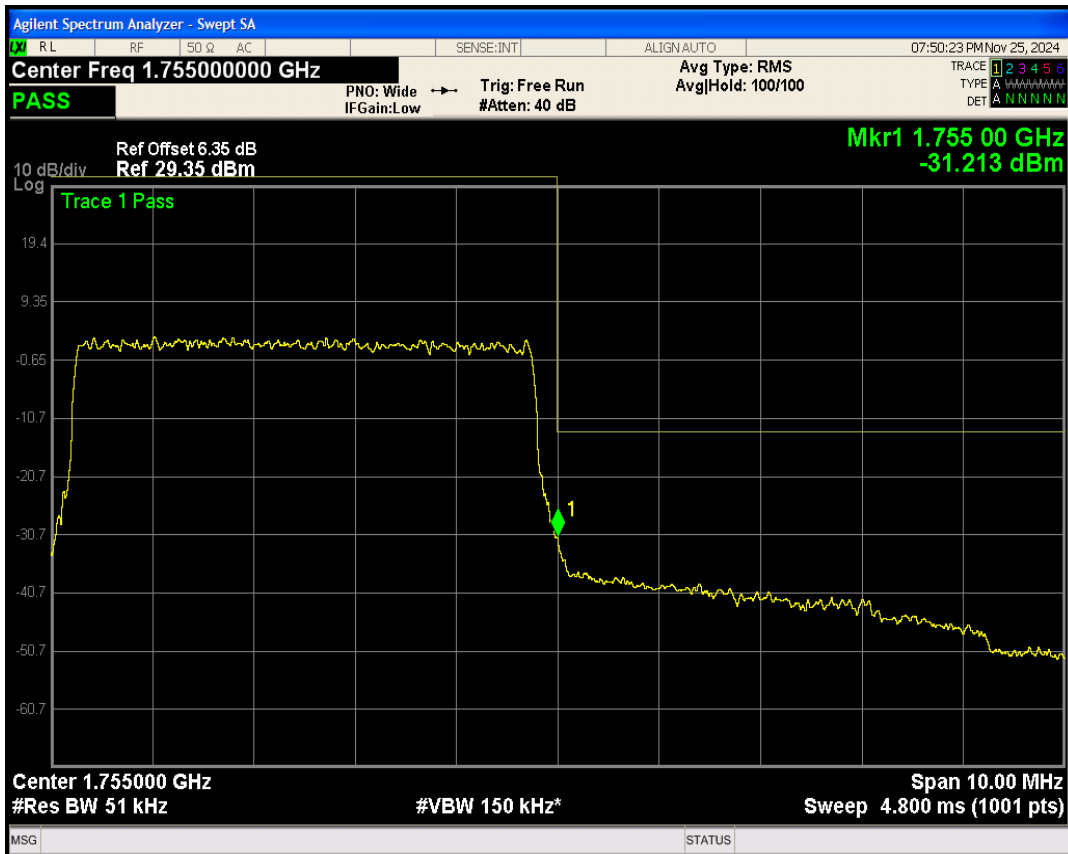
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



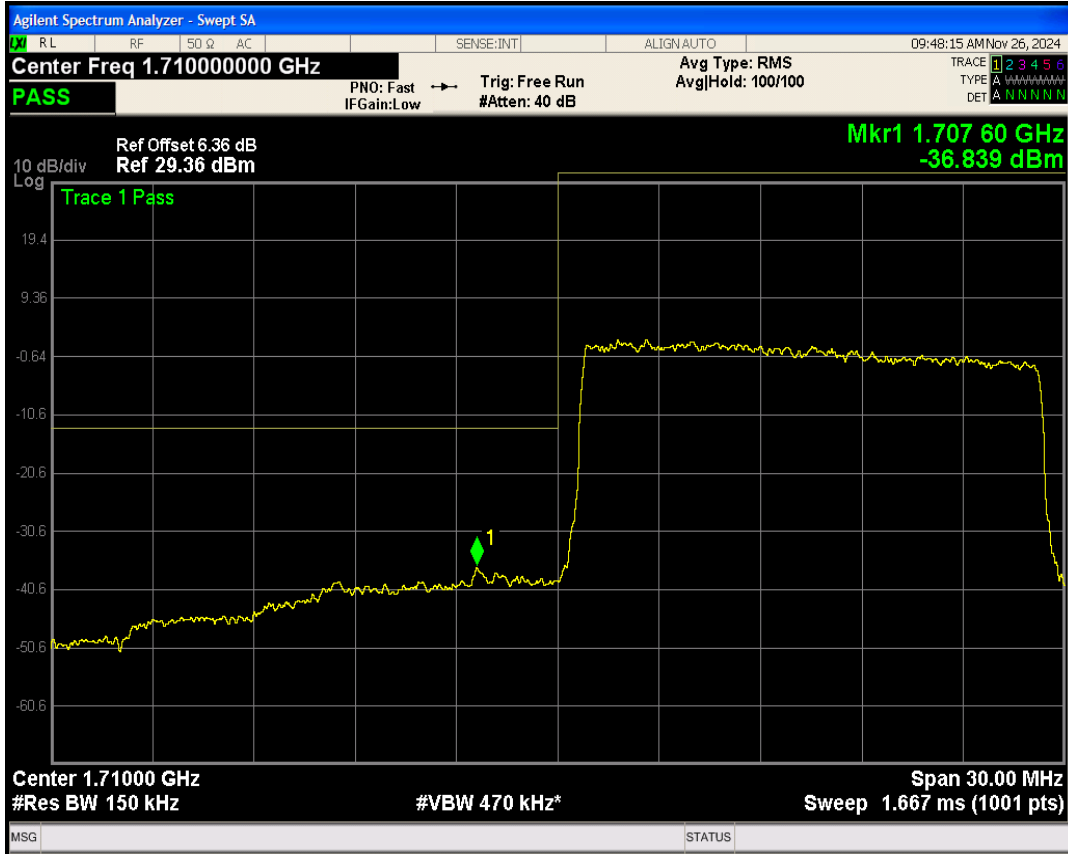
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



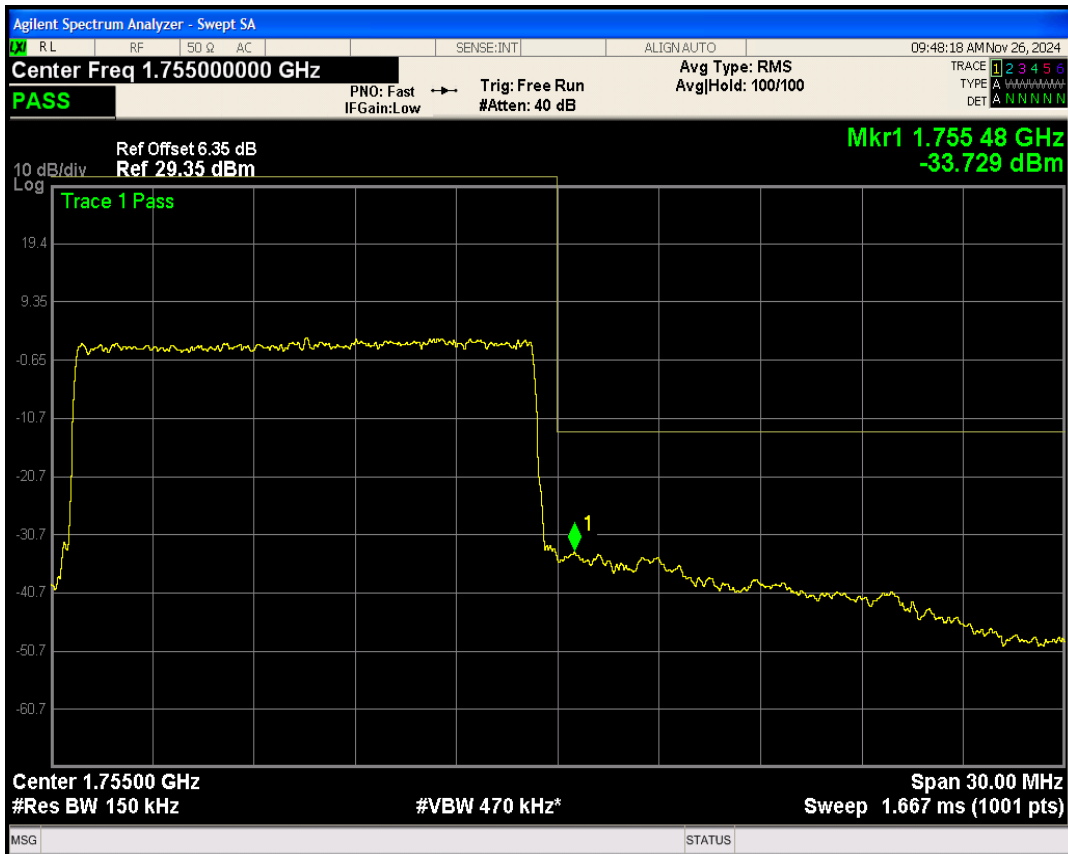
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



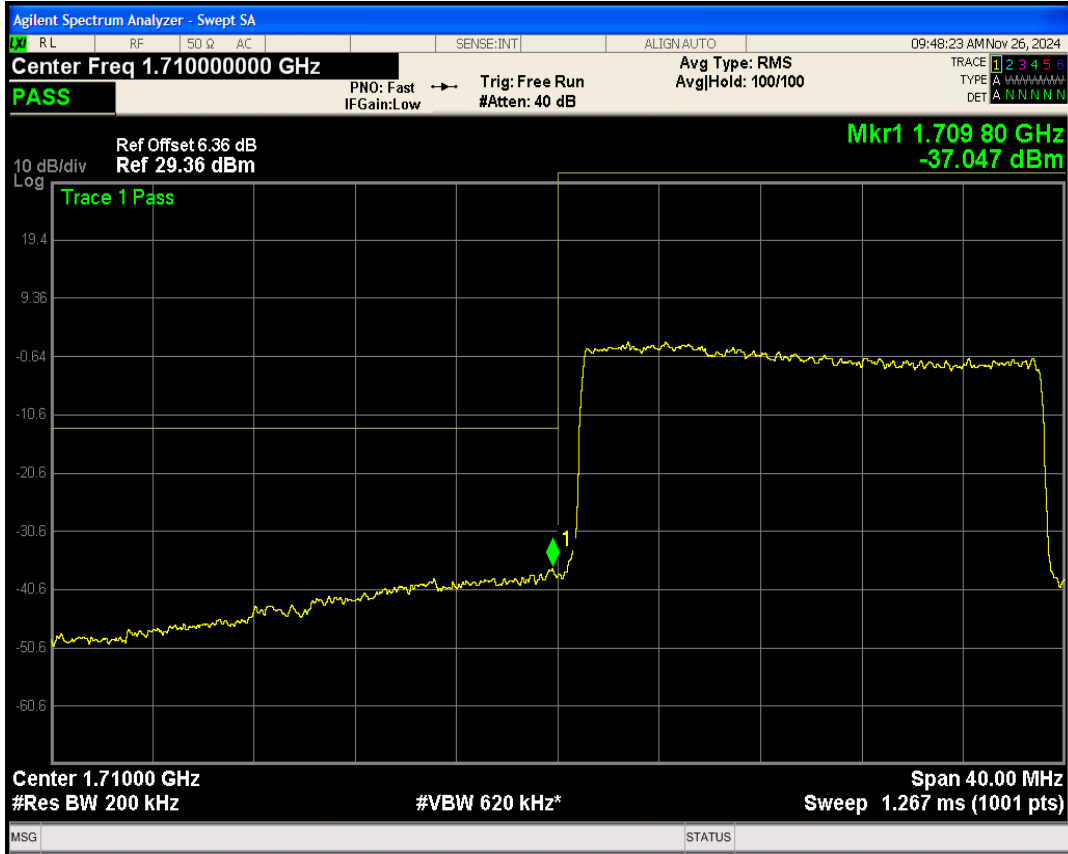
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



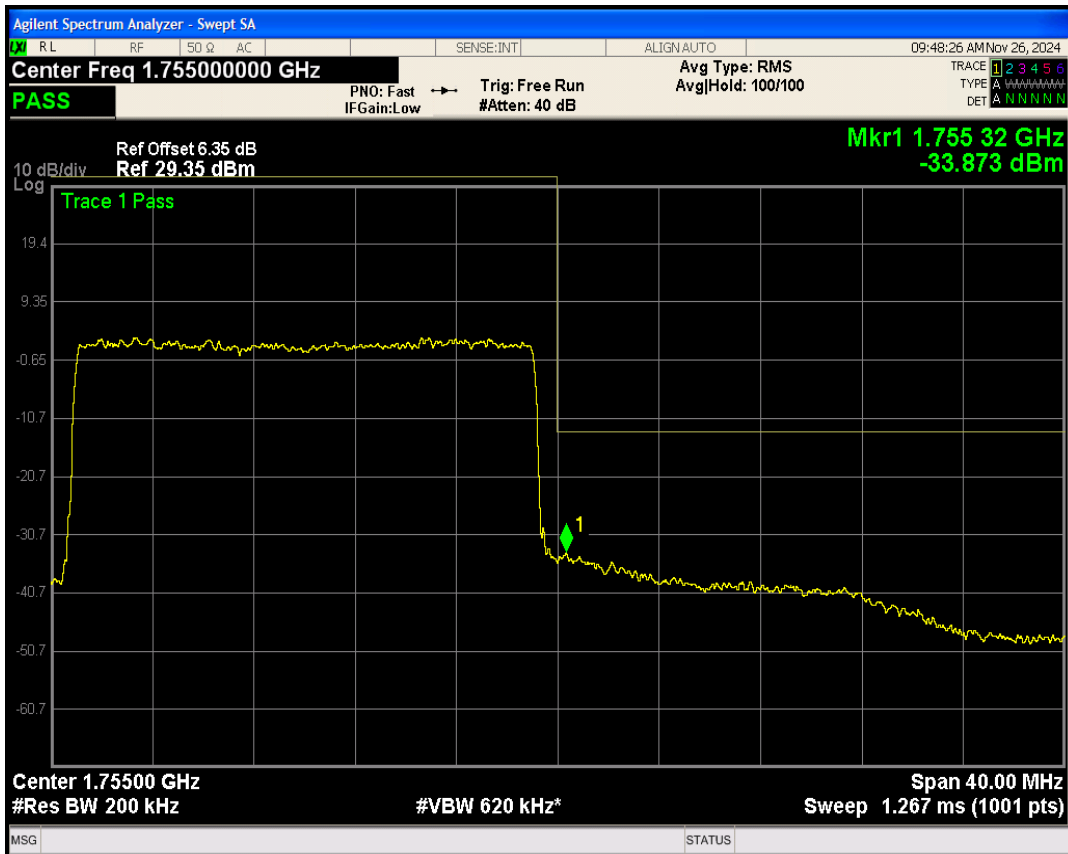
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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



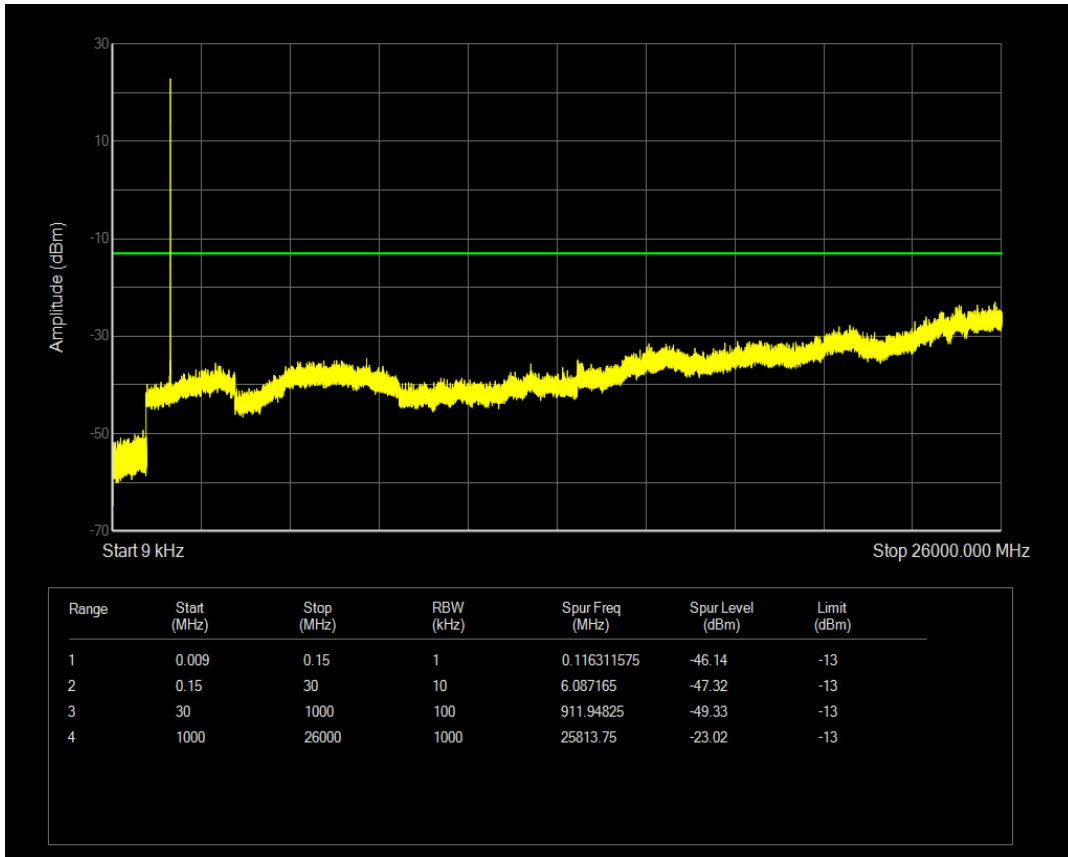
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



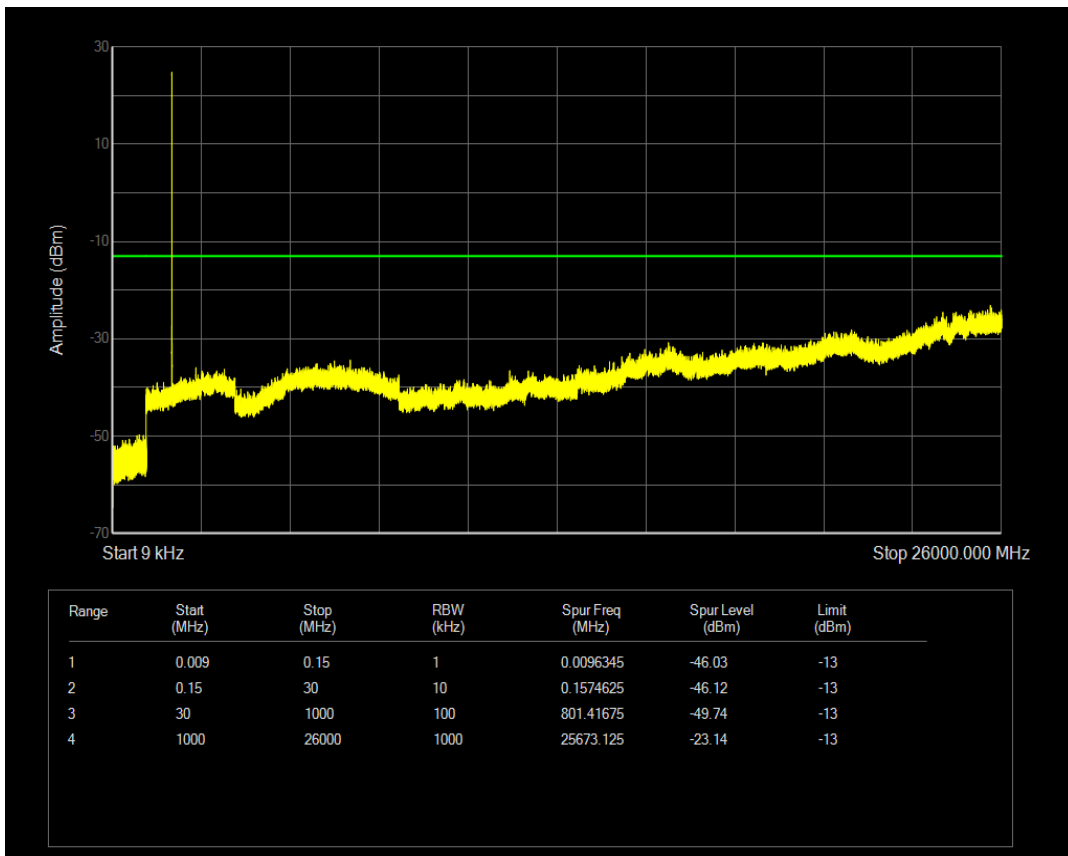
Appendix 6. Out-of-band emissions

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	24713.13	-23.89	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25813.75	-23.02	-13	PASS
Band4	1.4	20175	6	#0	QPSK	24690.00	-23.02	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25608.13	-23.75	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25042.50	-23.41	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25673.13	-23.14	-13	PASS
Band4	3	19965	15	#0	QPSK	25070.63	-23.80	-13	PASS
Band4	3	19965	15	#0	16QAM	25821.25	-24.01	-13	PASS
Band4	3	20175	15	#0	QPSK	26000.00	-23.56	-13	PASS
Band4	3	20175	15	#0	16QAM	25667.50	-23.55	-13	PASS
Band4	3	20385	15	#0	QPSK	25017.50	-24.03	-13	PASS
Band4	3	20385	15	#0	16QAM	25681.25	-23.98	-13	PASS
Band4	5	19975	25	#0	QPSK	24770.63	-23.80	-13	PASS
Band4	5	19975	25	#0	16QAM	25321.25	-23.54	-13	PASS
Band4	5	20175	25	#0	QPSK	25818.75	-24.25	-13	PASS
Band4	5	20175	25	#0	16QAM	25431.25	-23.30	-13	PASS
Band4	5	20375	25	#0	QPSK	25409.38	-23.30	-13	PASS
Band4	5	20375	25	#0	16QAM	25972.50	-22.86	-13	PASS
Band4	10	20000	50	#0	QPSK	25593.75	-23.29	-13	PASS
Band4	10	20175	50	#0	QPSK	25485.00	-22.83	-13	PASS
Band4	10	20350	50	#0	QPSK	25410.63	-22.31	-13	PASS
Band4	15	20025	75	#0	QPSK	25798.75	-23.62	-13	PASS
Band4	15	20175	75	#0	QPSK	25576.88	-23.45	-13	PASS
Band4	15	20325	75	#0	QPSK	25996.25	-23.67	-13	PASS
Band4	20	20050	100	#0	QPSK	25070.63	-23.48	-13	PASS
Band4	20	20175	100	#0	QPSK	25807.50	-23.92	-13	PASS
Band4	20	20300	100	#0	QPSK	25915.63	-23.36	-13	PASS

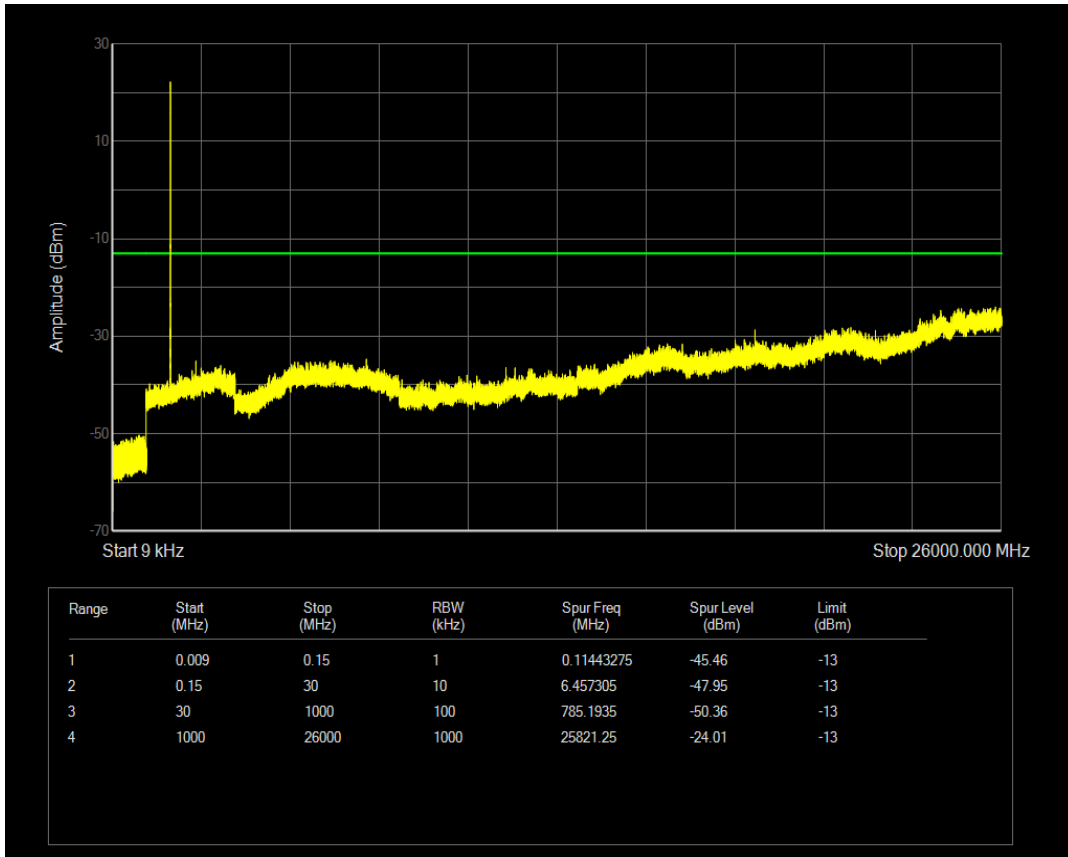
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



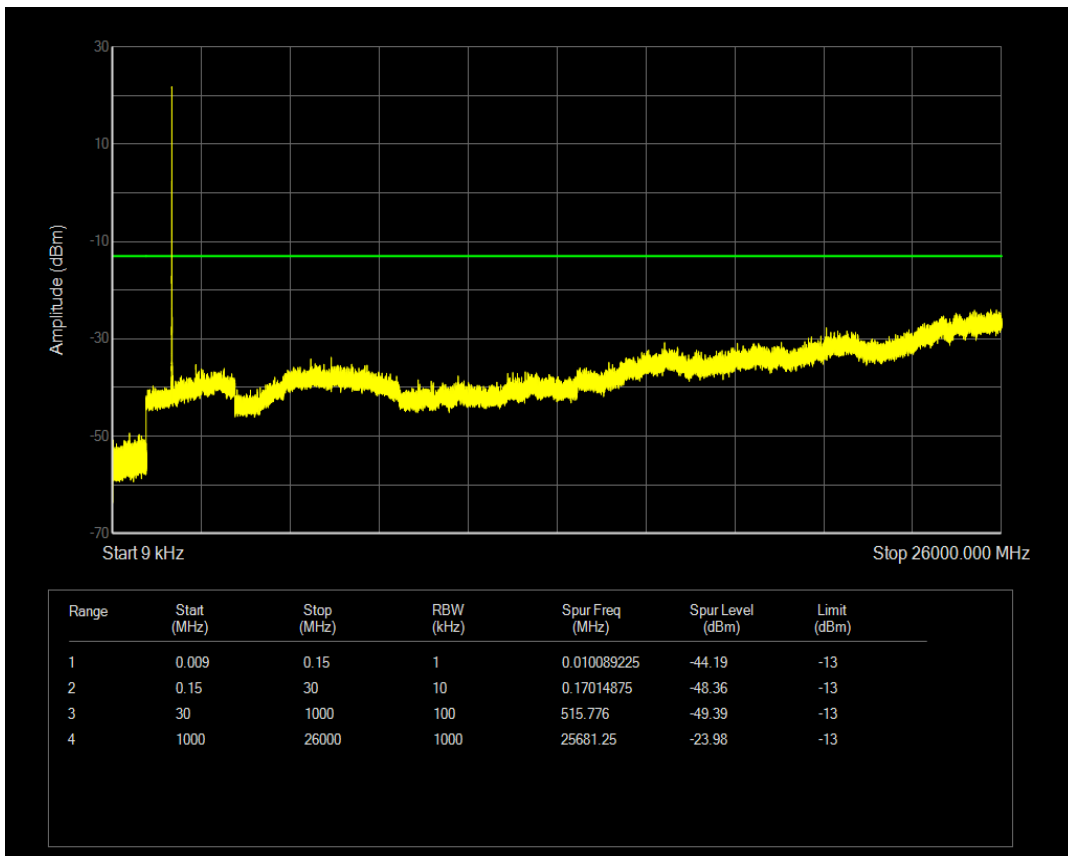
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



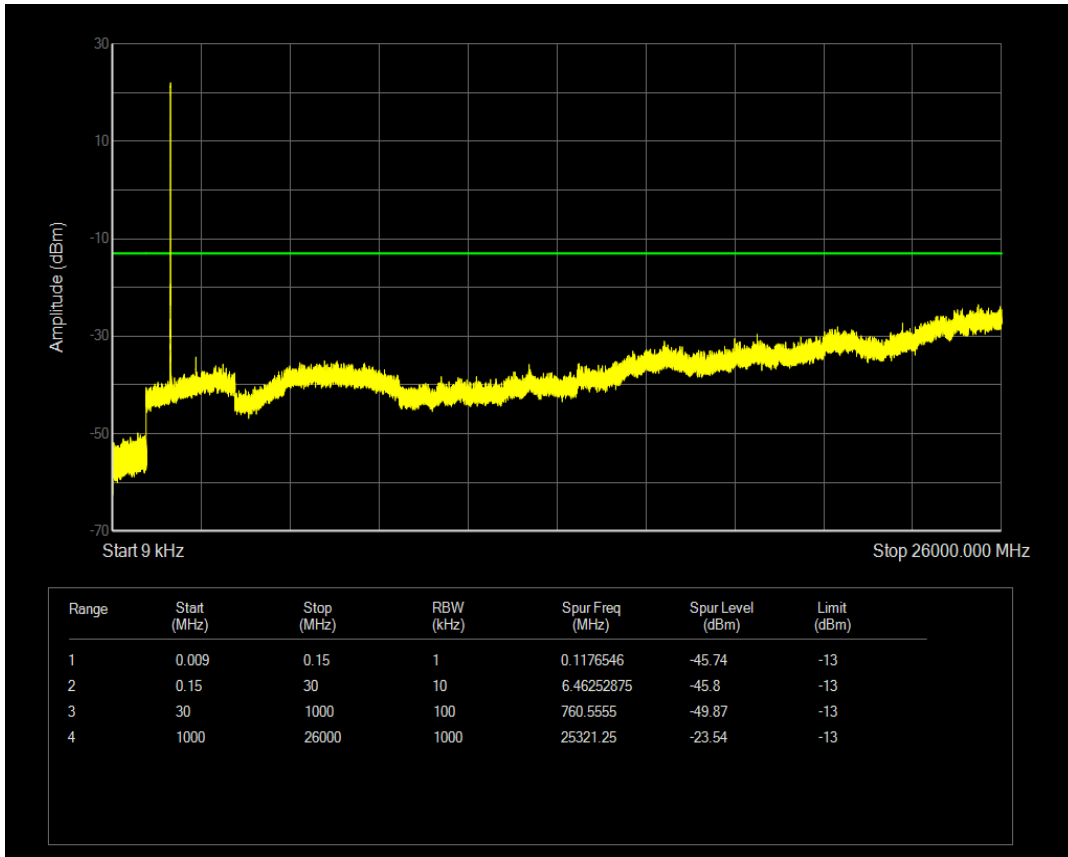
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



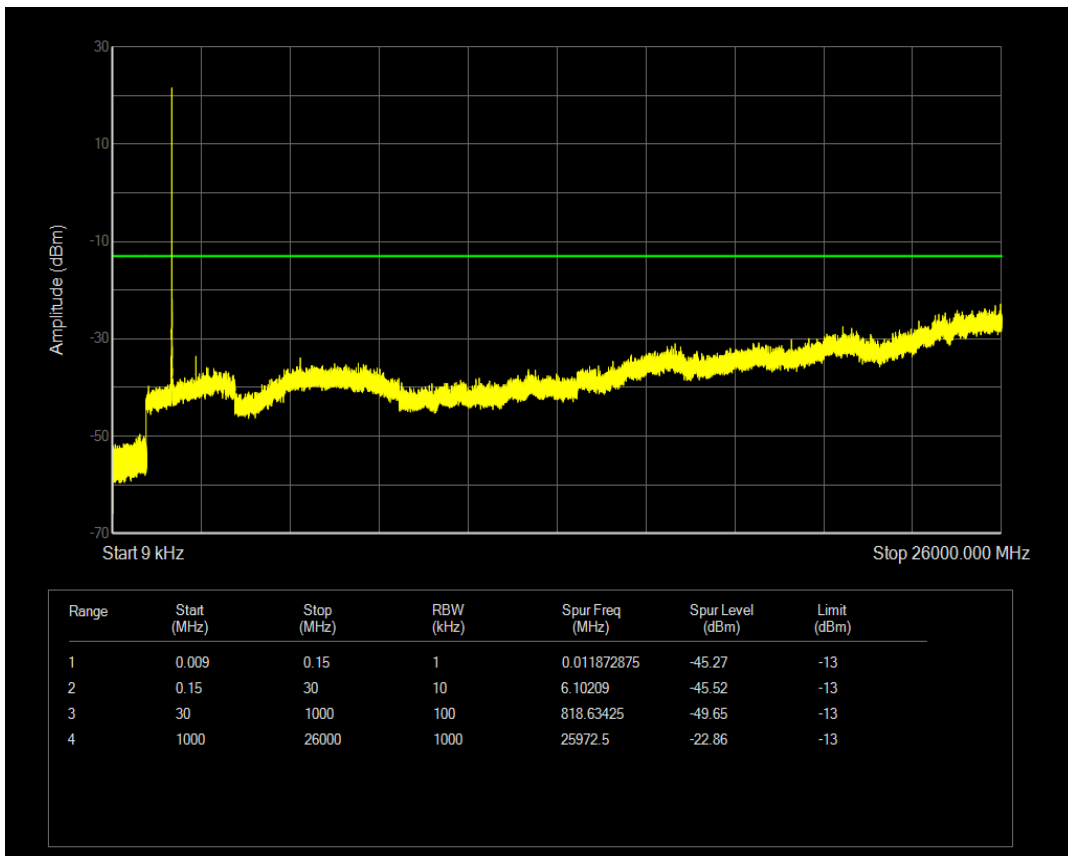
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



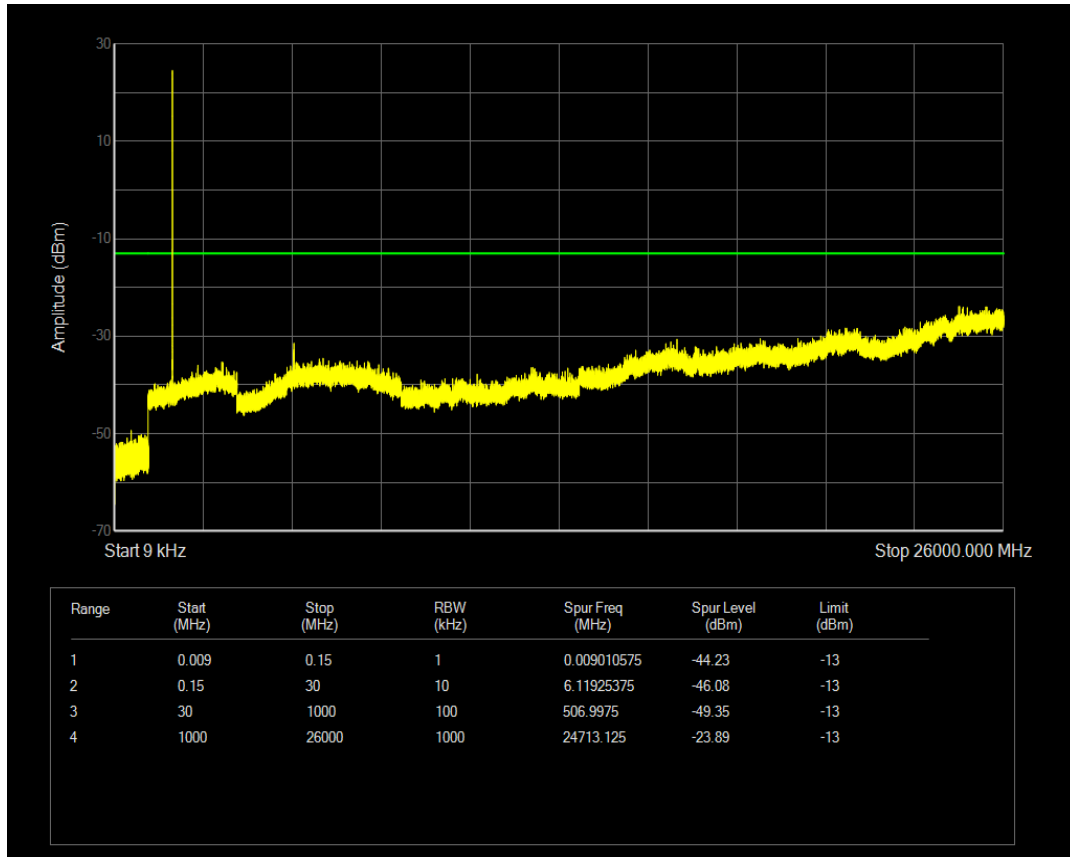
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



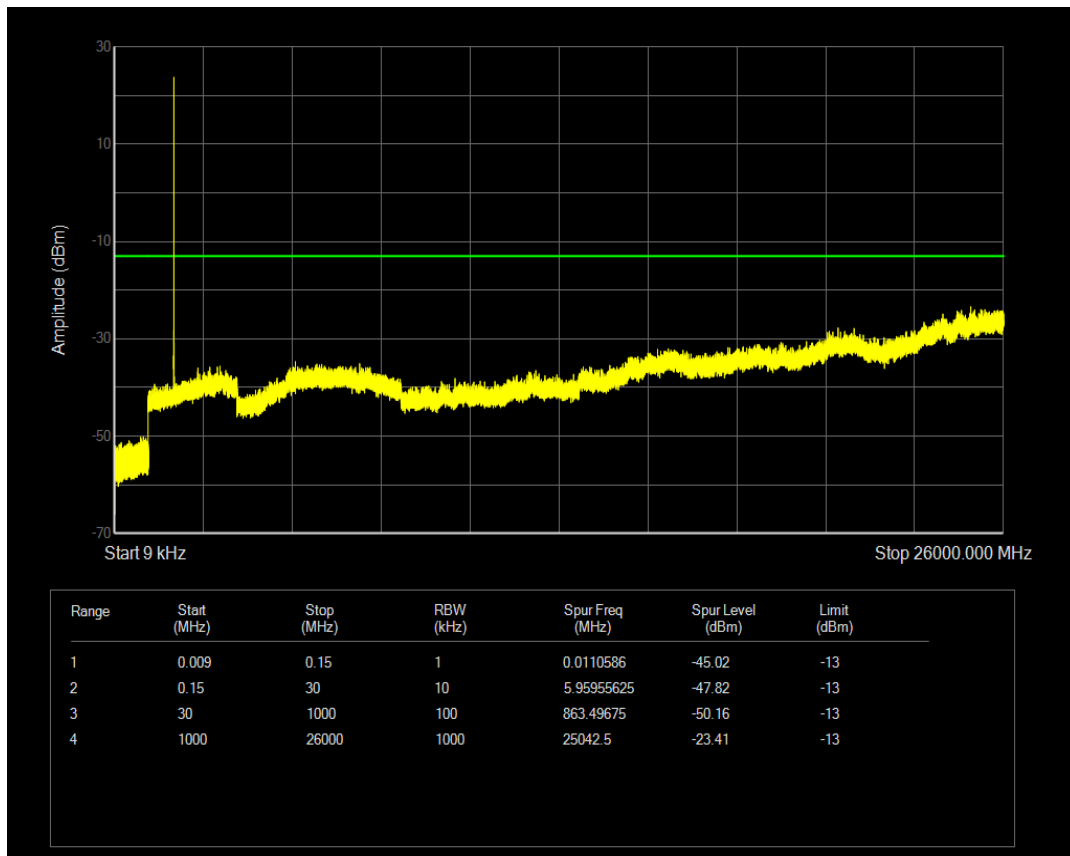
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



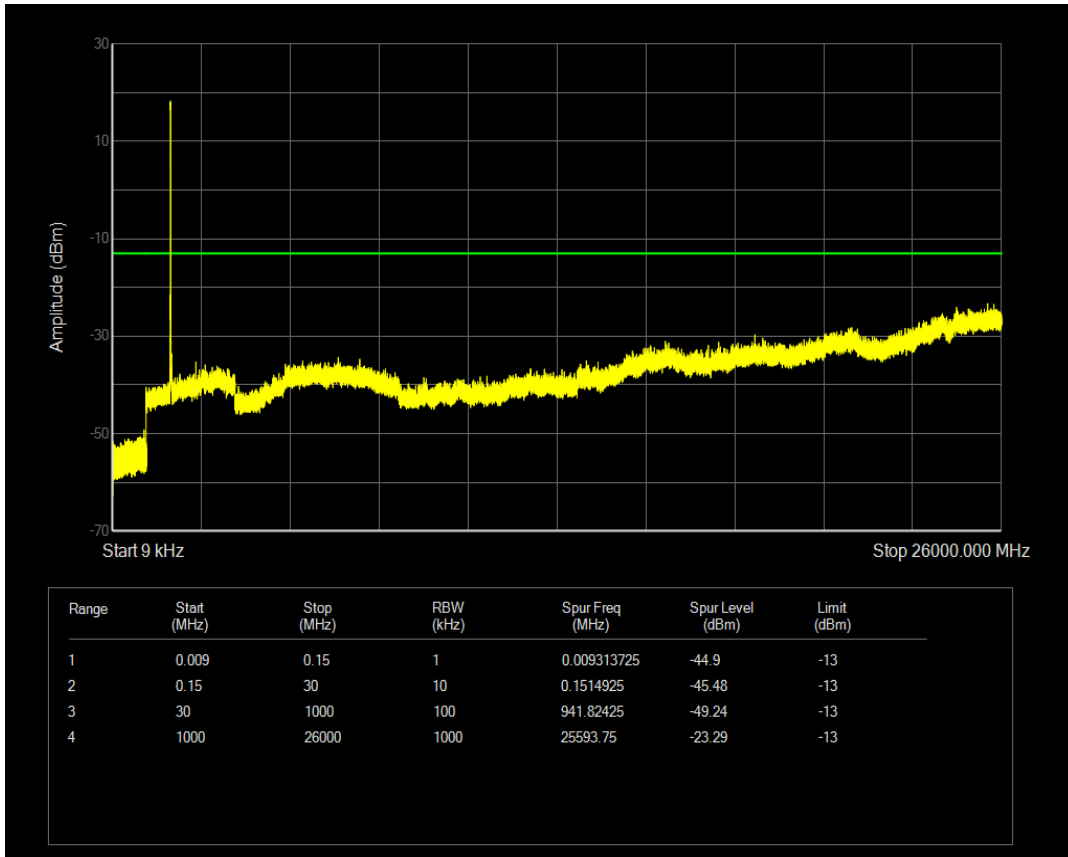
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



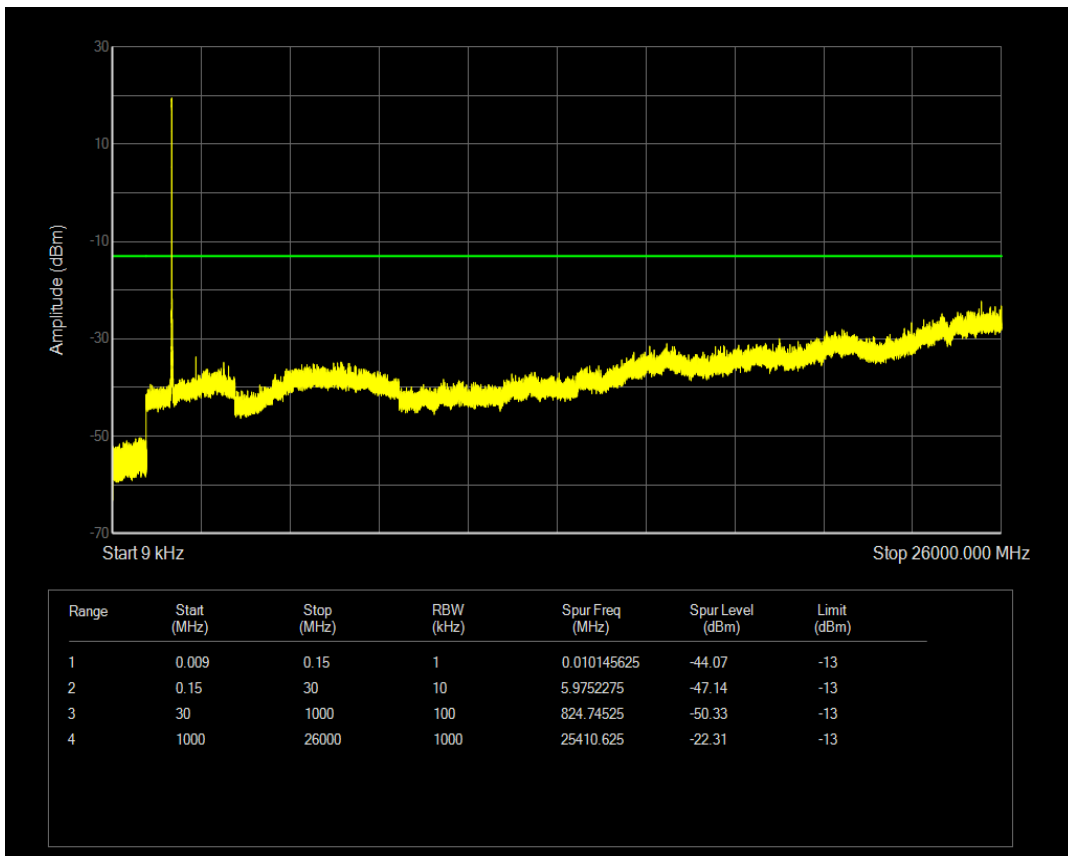
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



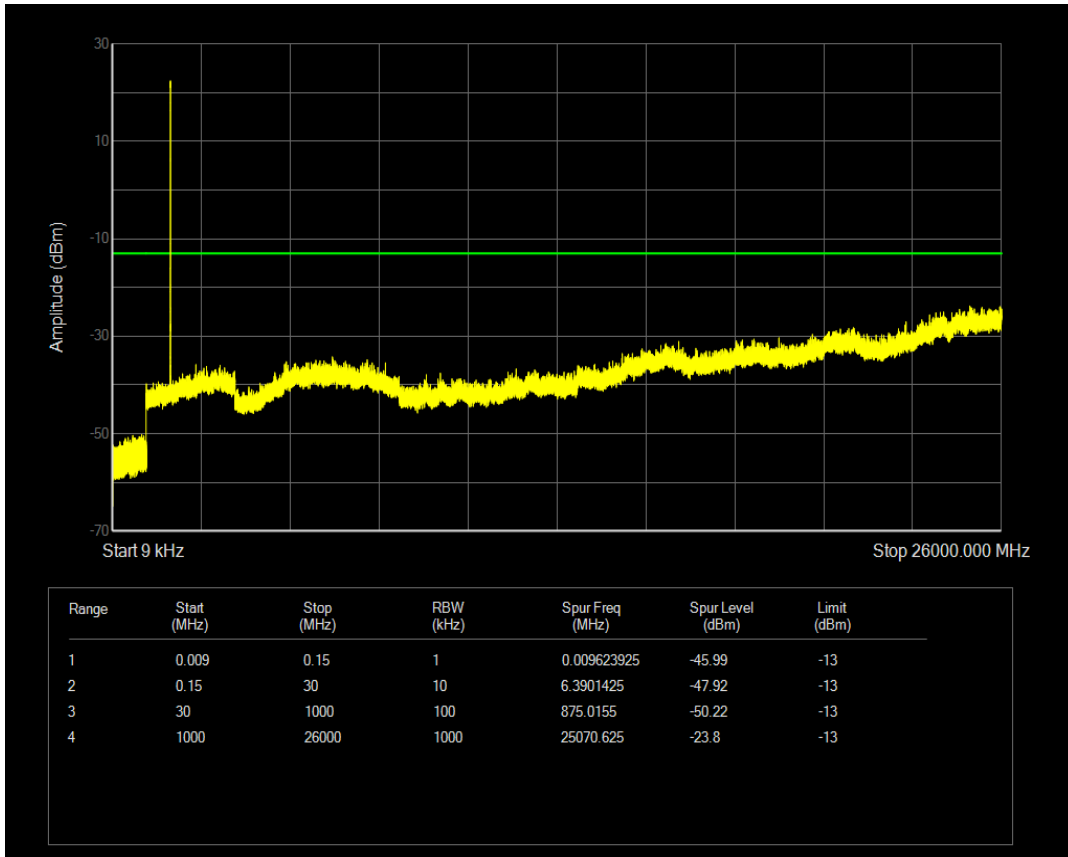
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



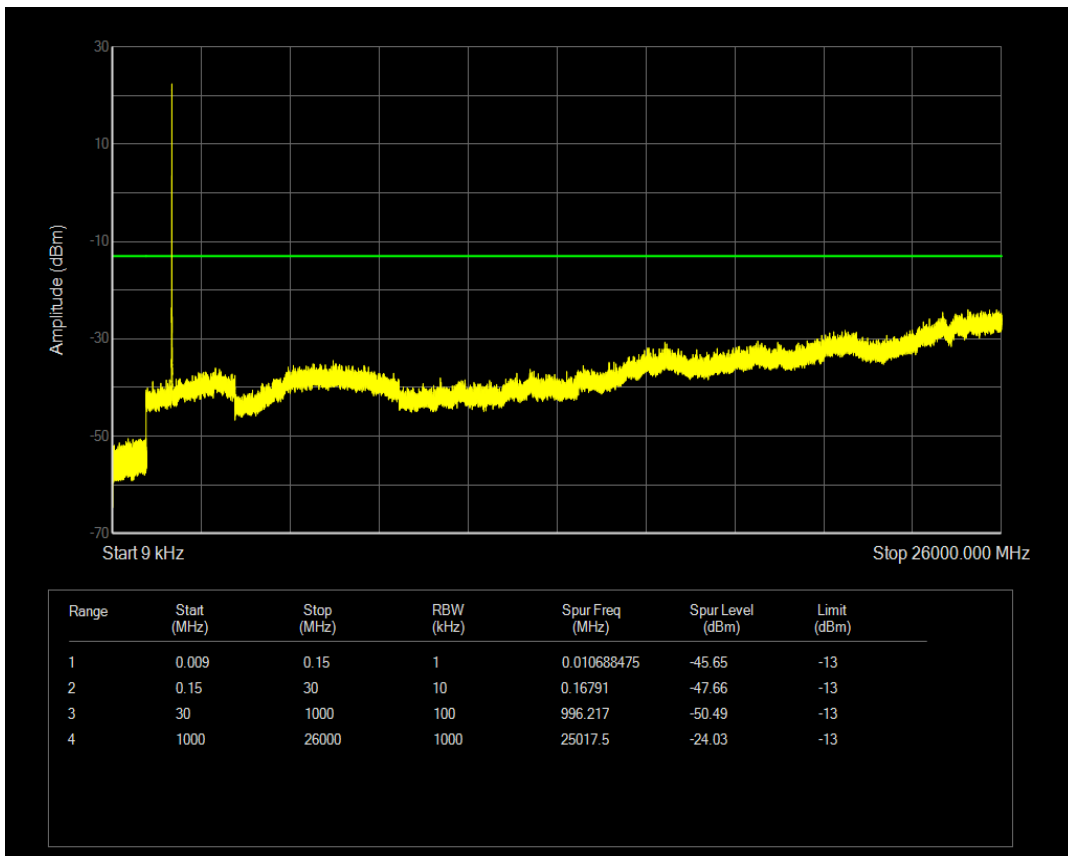
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



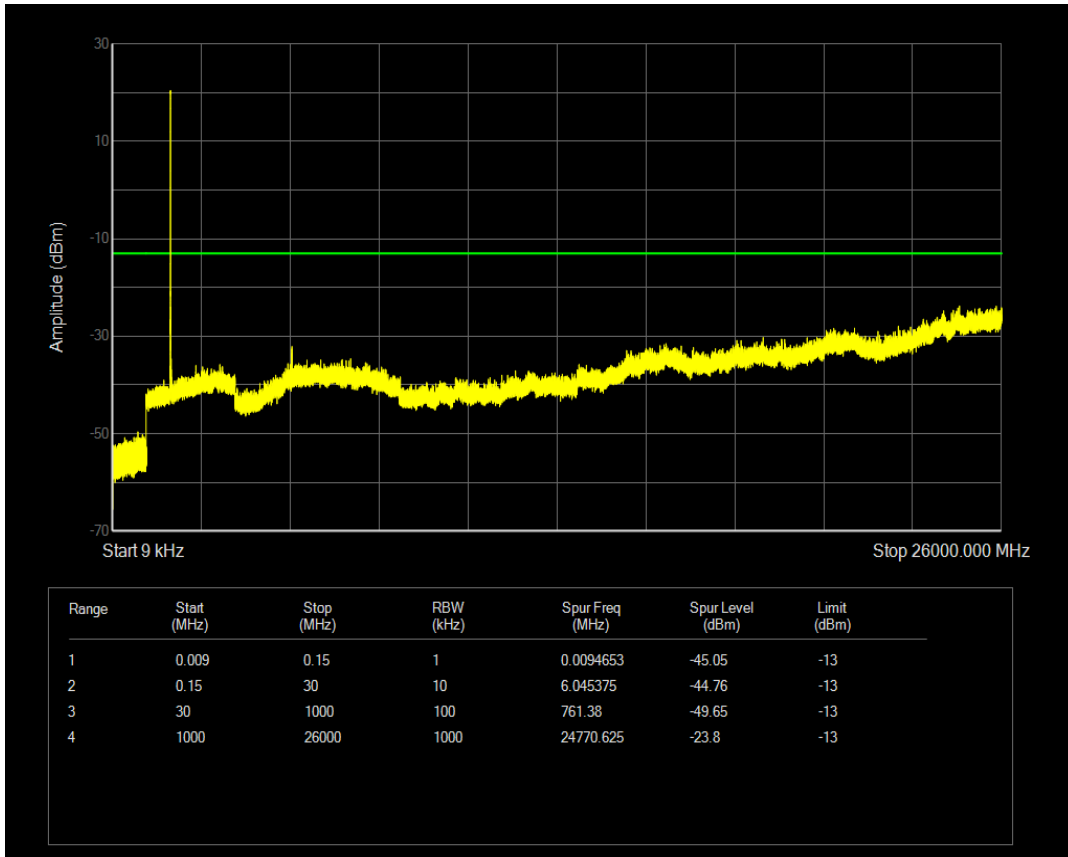
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



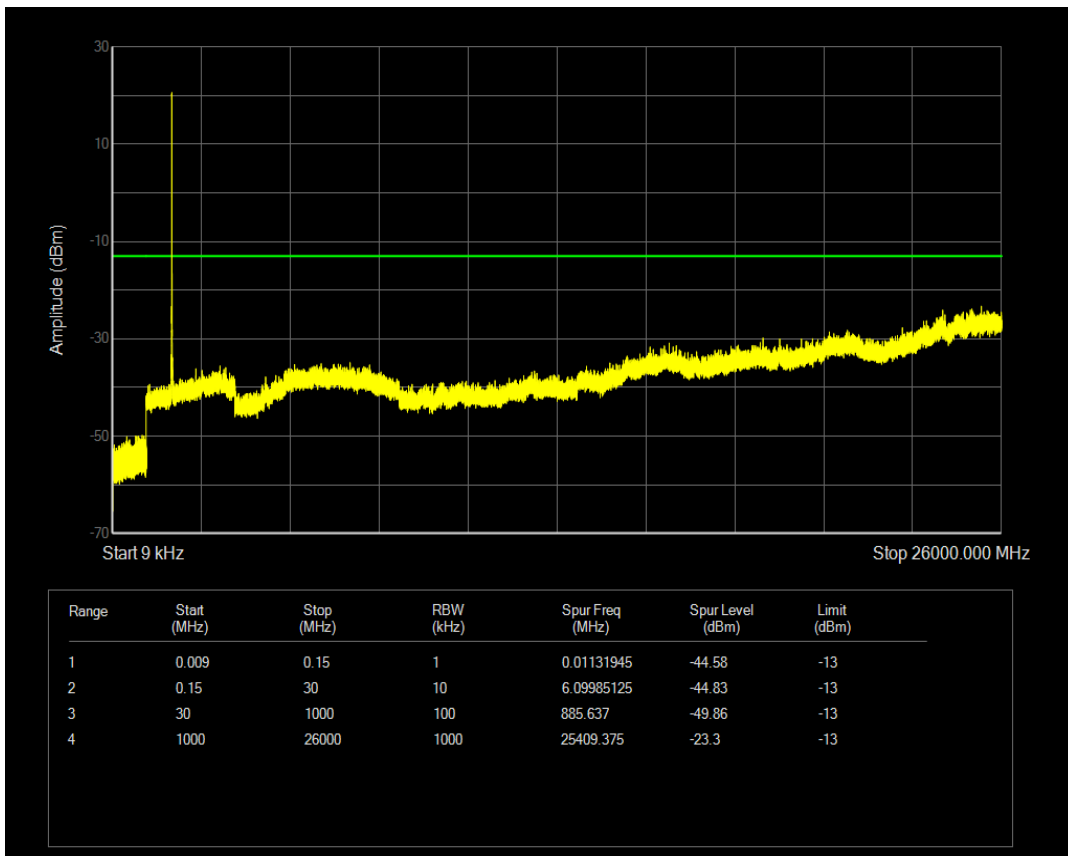
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



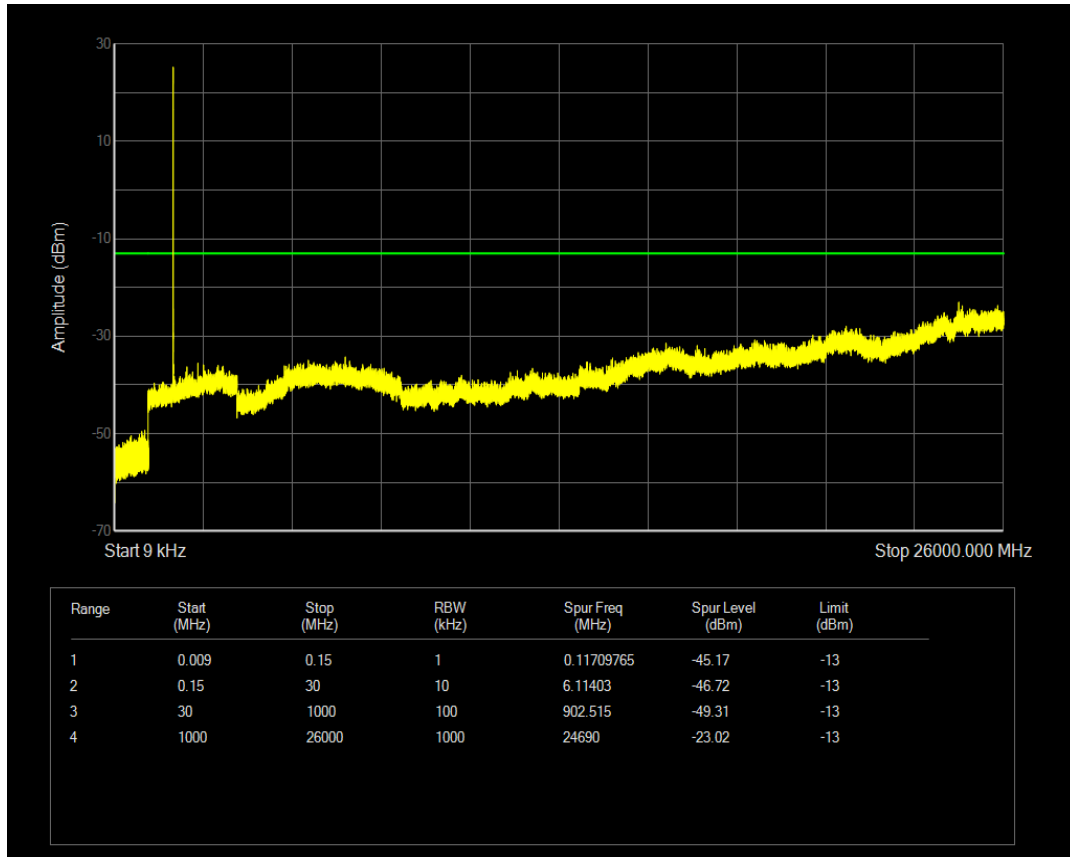
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



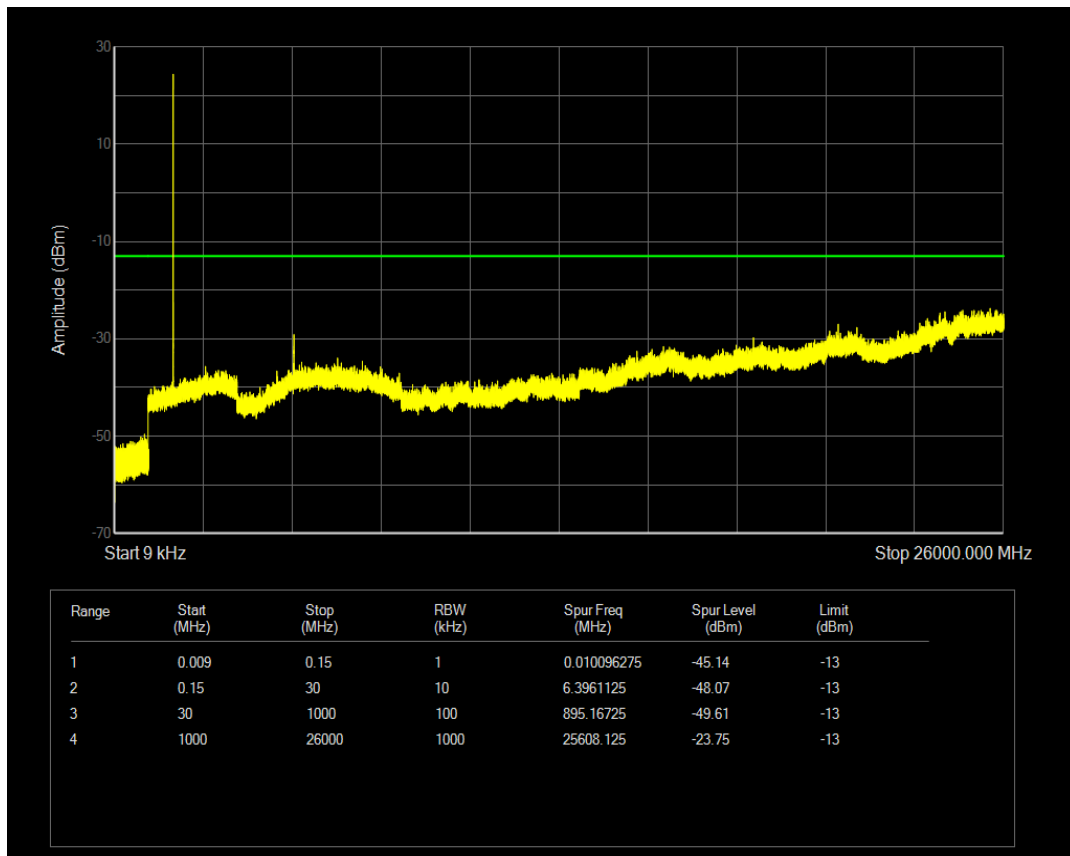
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



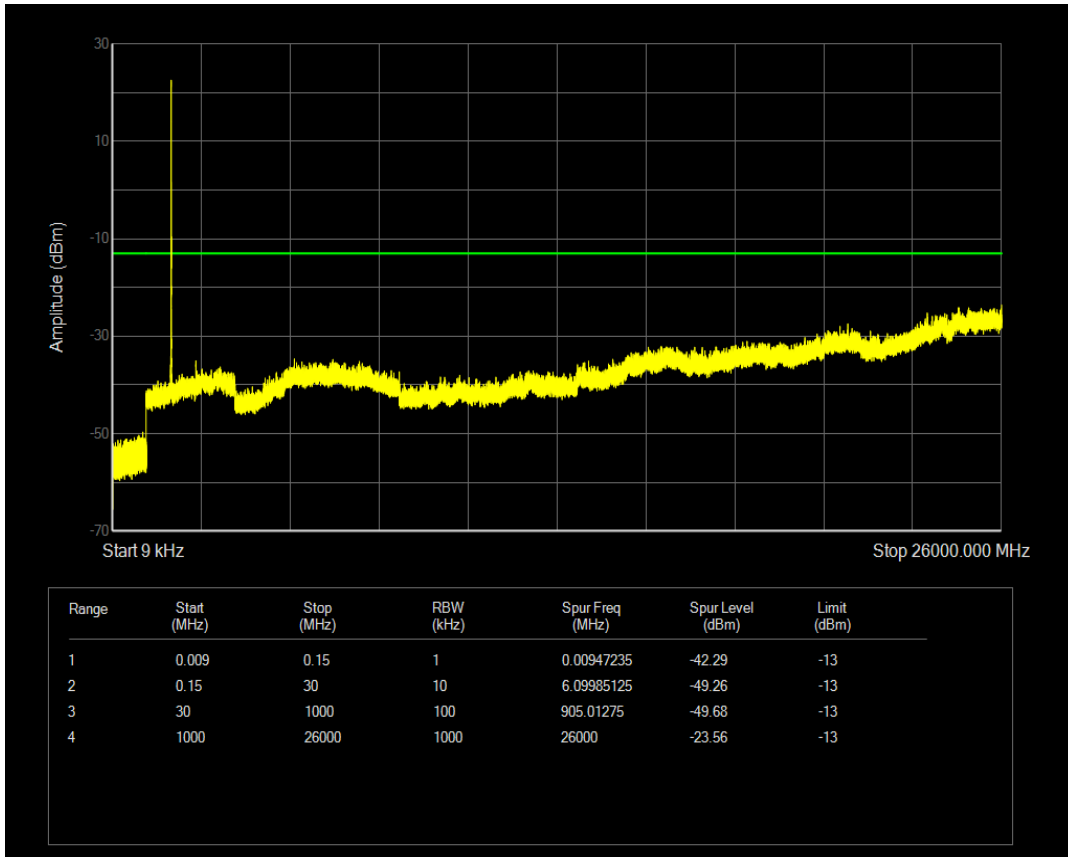
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



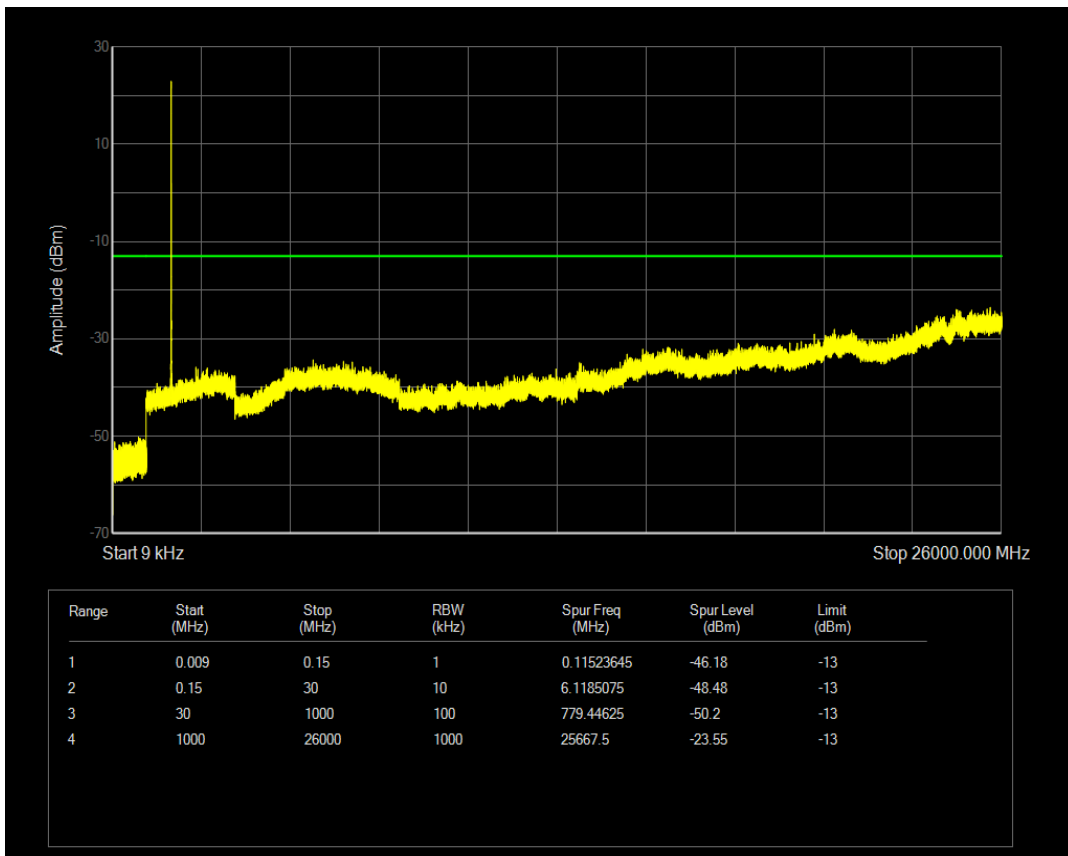
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



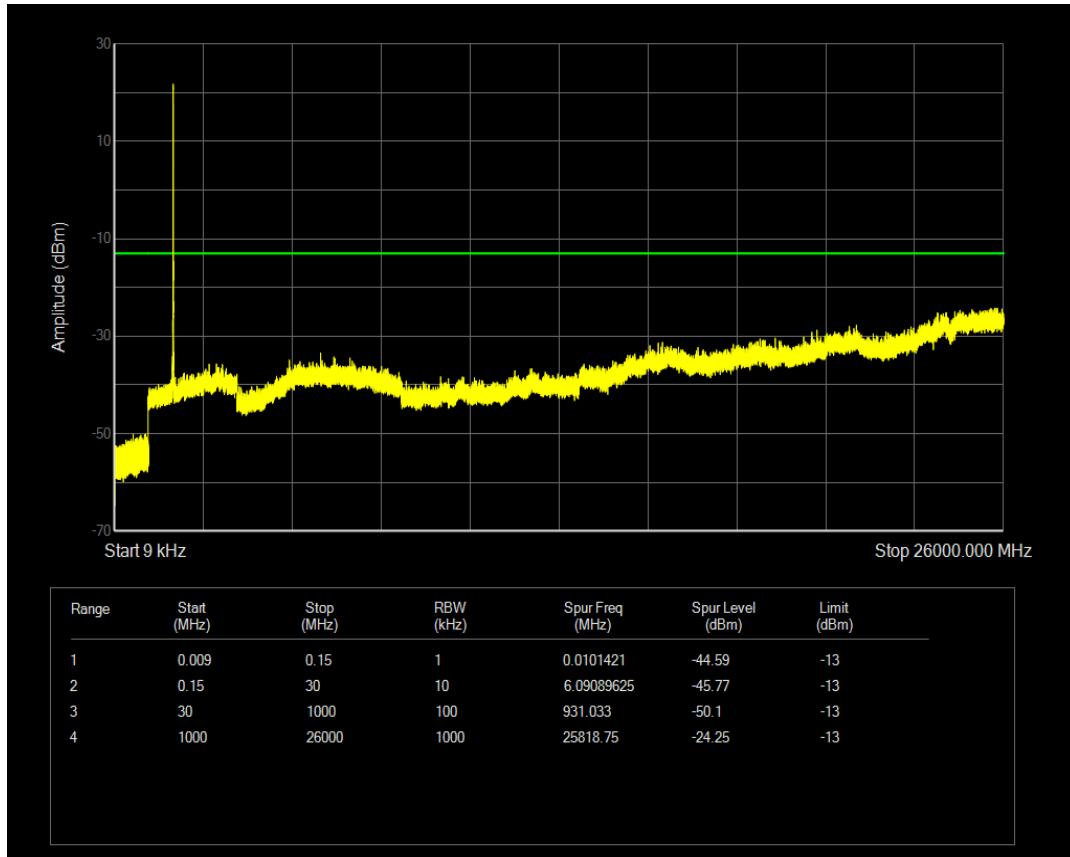
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



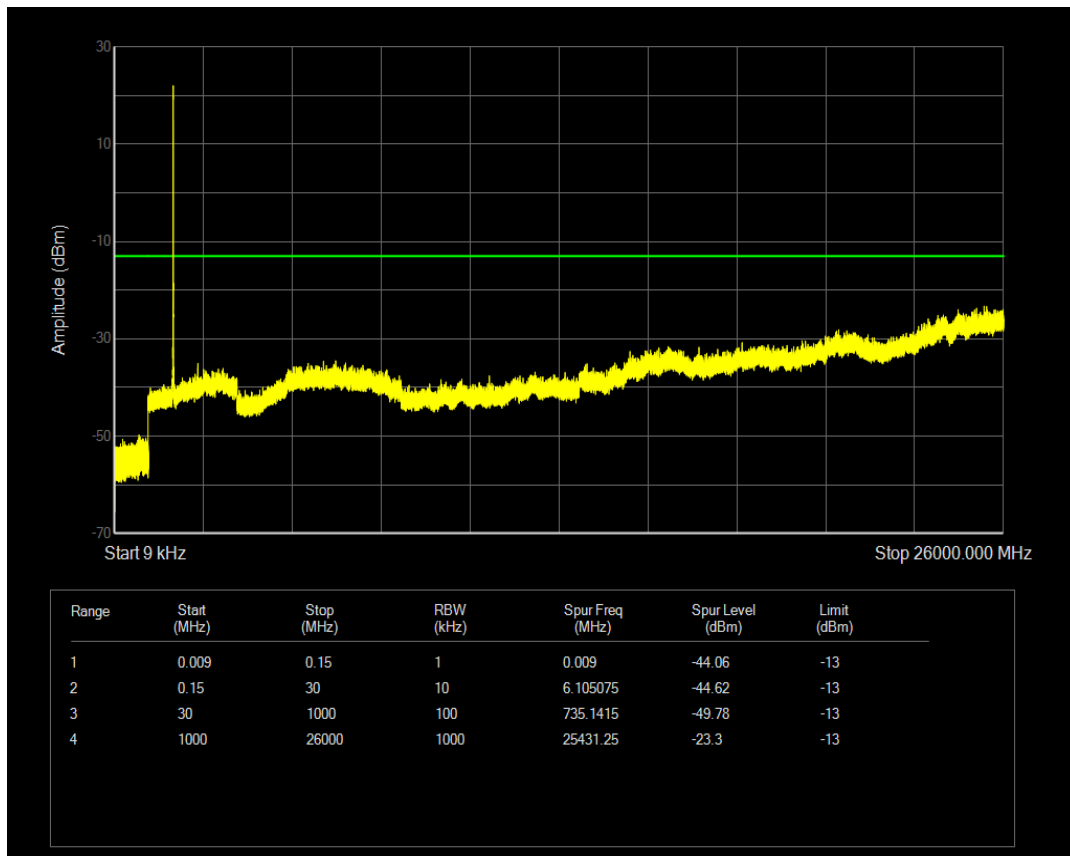
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



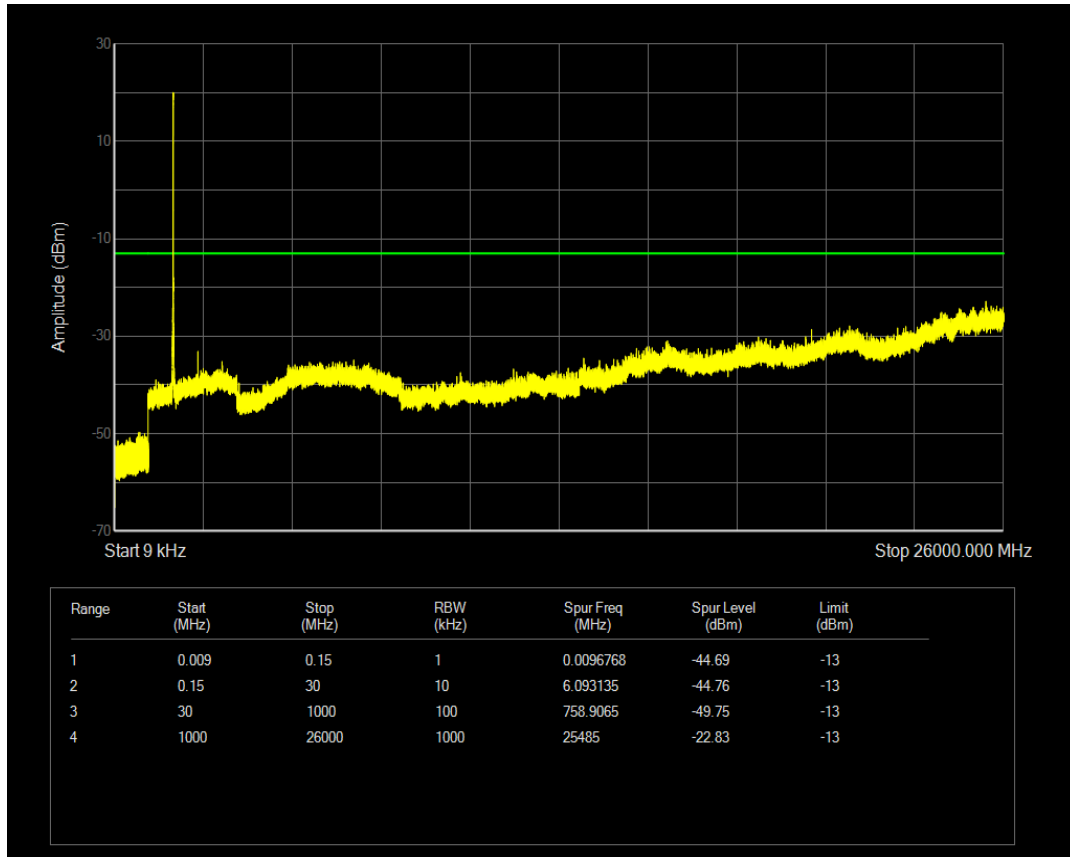
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



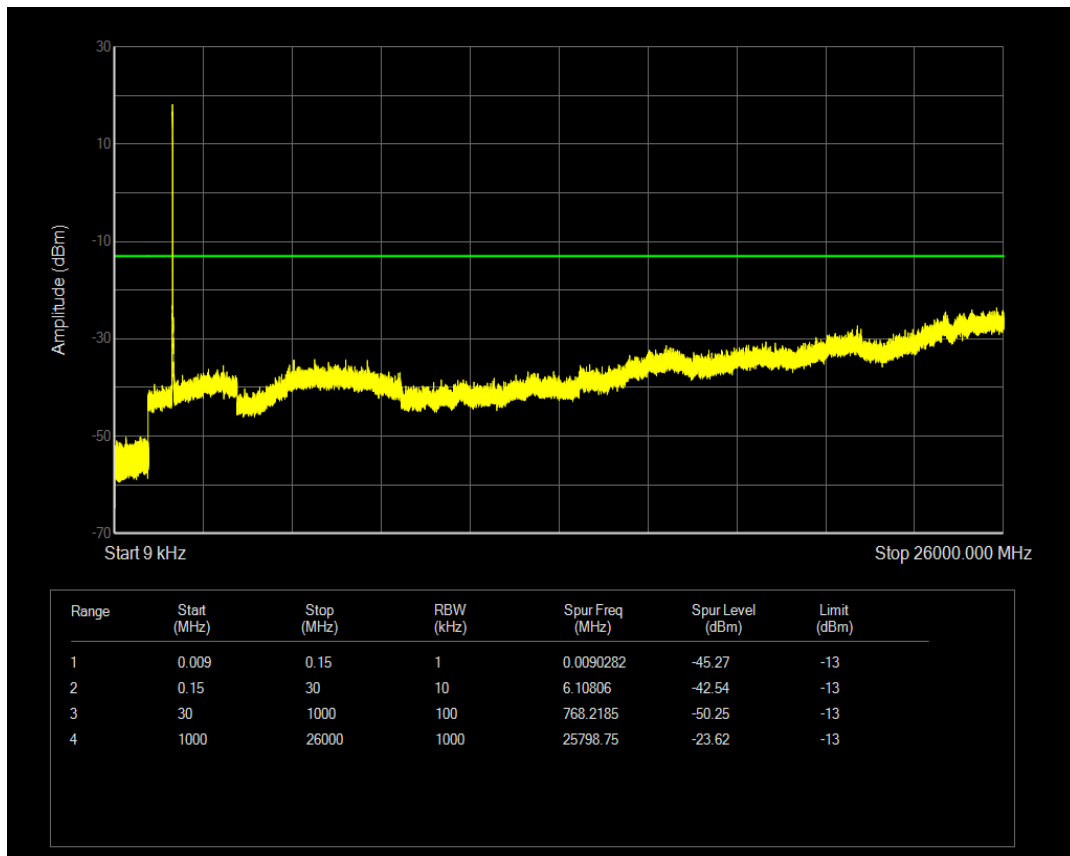
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



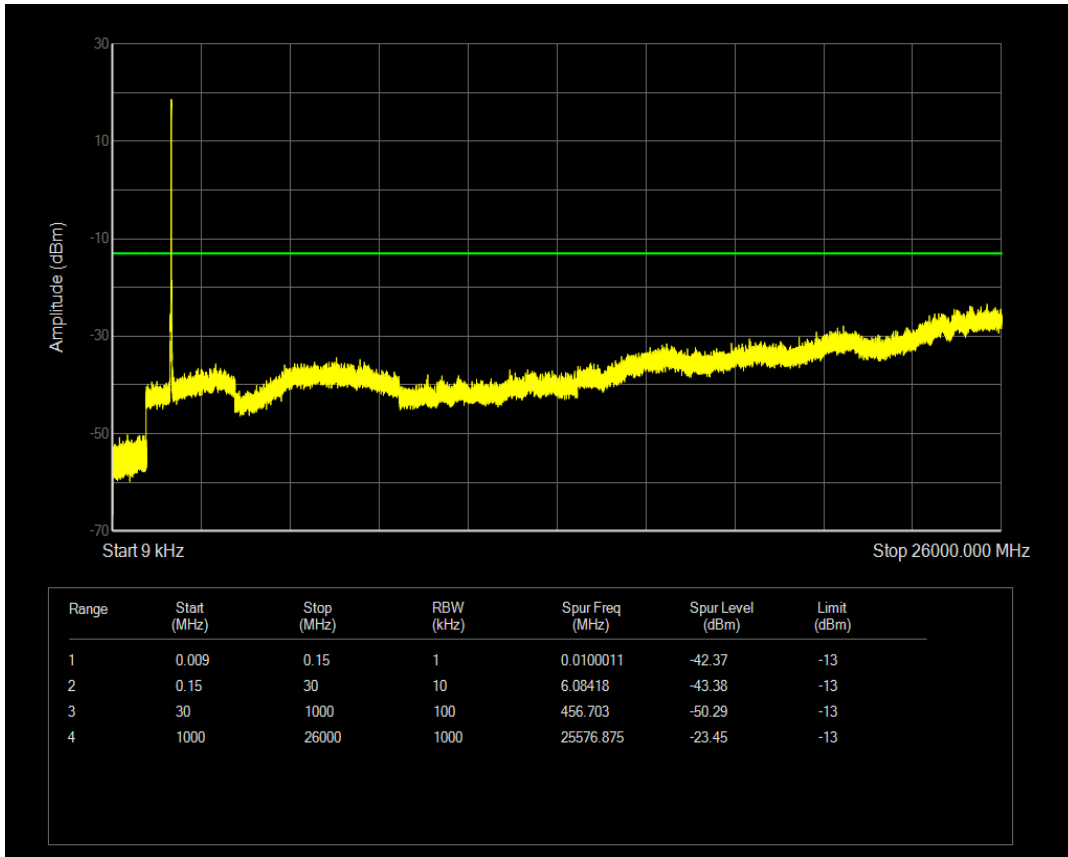
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



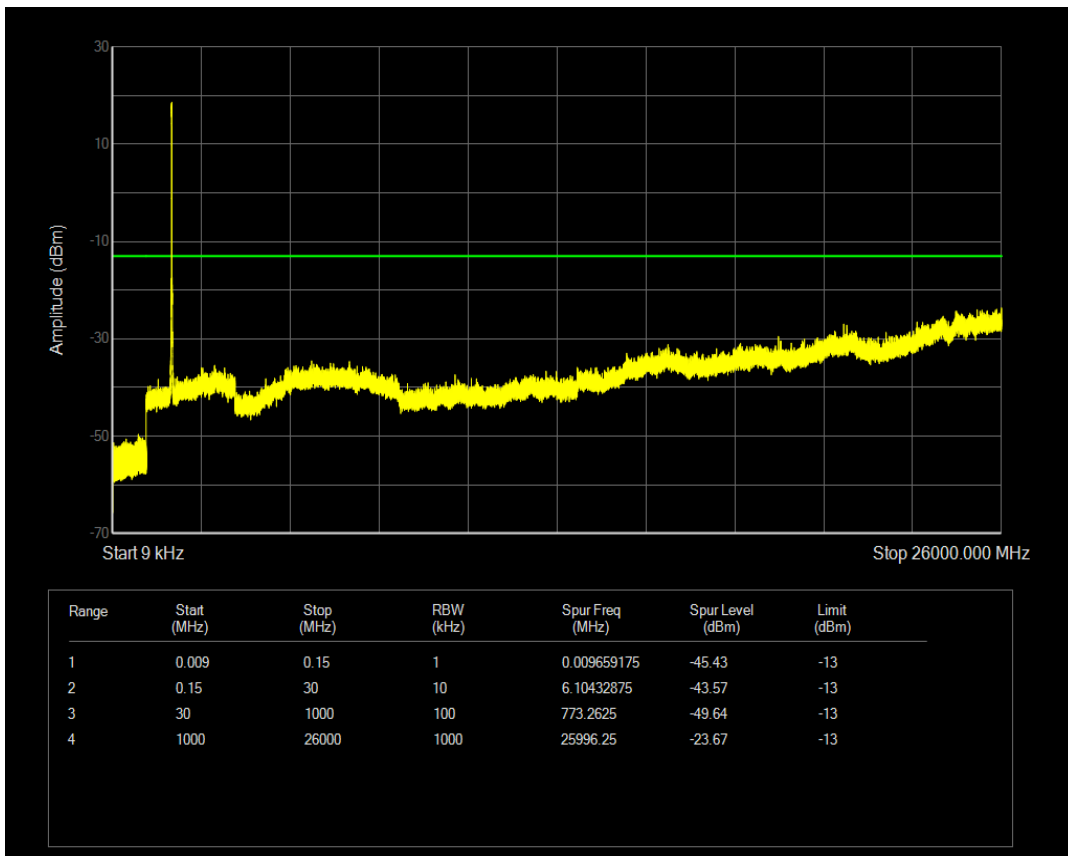
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



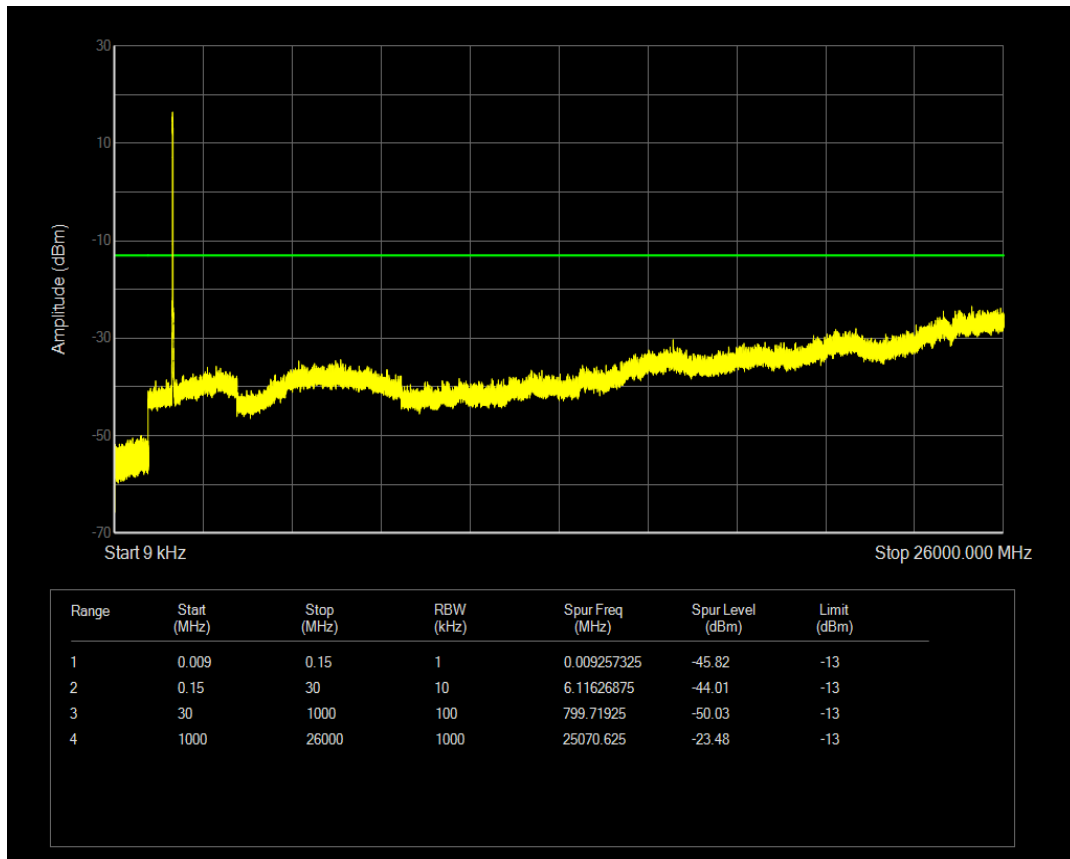
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



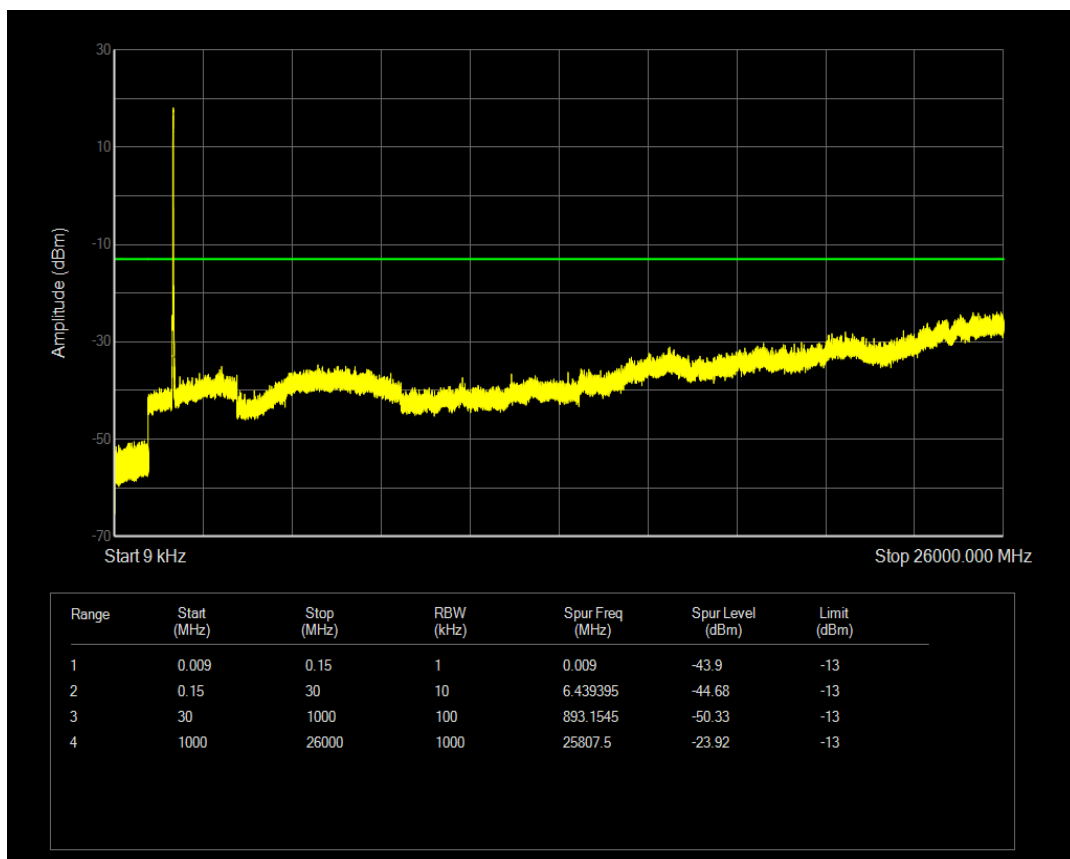
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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



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



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

