

Appendix for Band 4

Report No.: BCTC2411367165-2E

Applicant: SEEWORLD Technology Co.,Ltd

Product Name: Gps Tracker

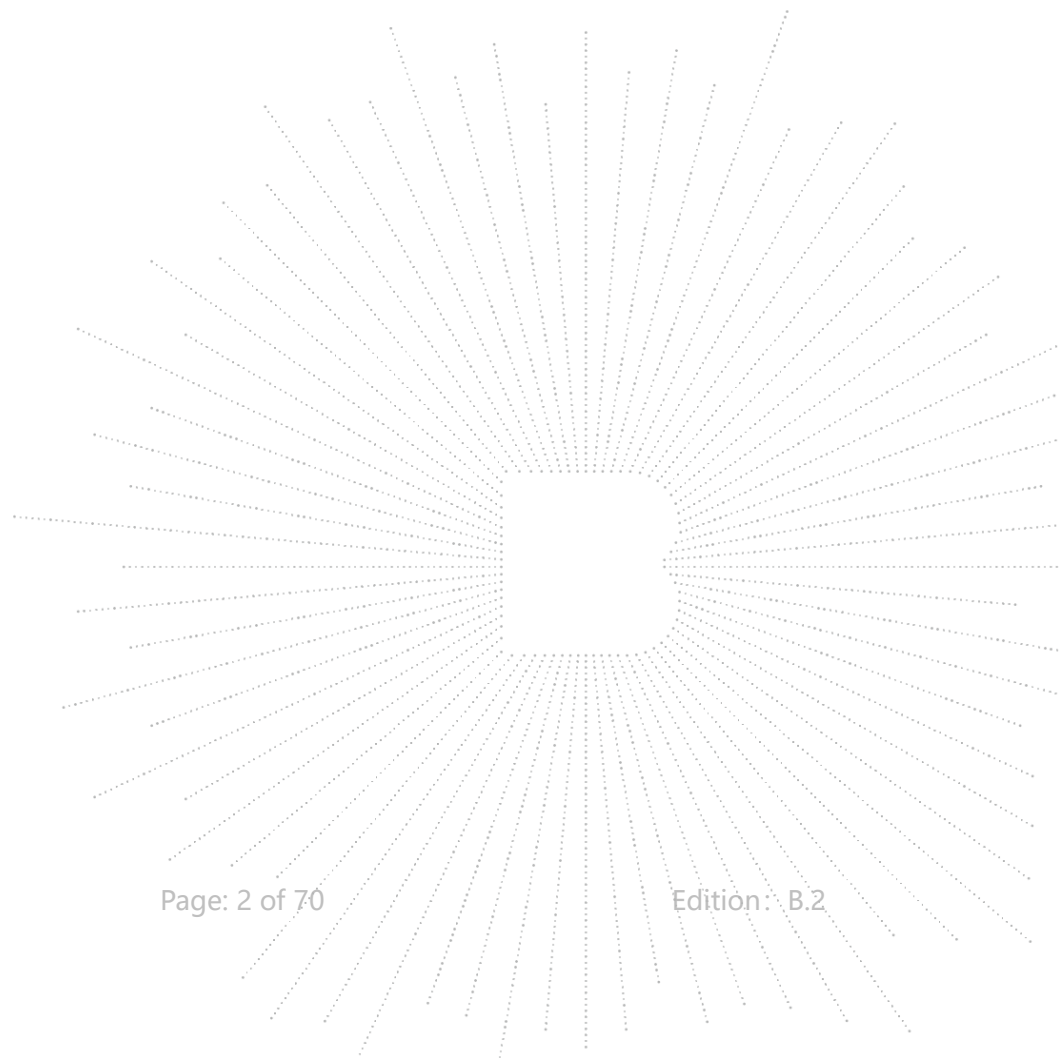
Test Model: G21L

Tested Date: 2024-11-20 to 2024-12-18

Shenzhen BCTC Testing Co., Ltd.

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

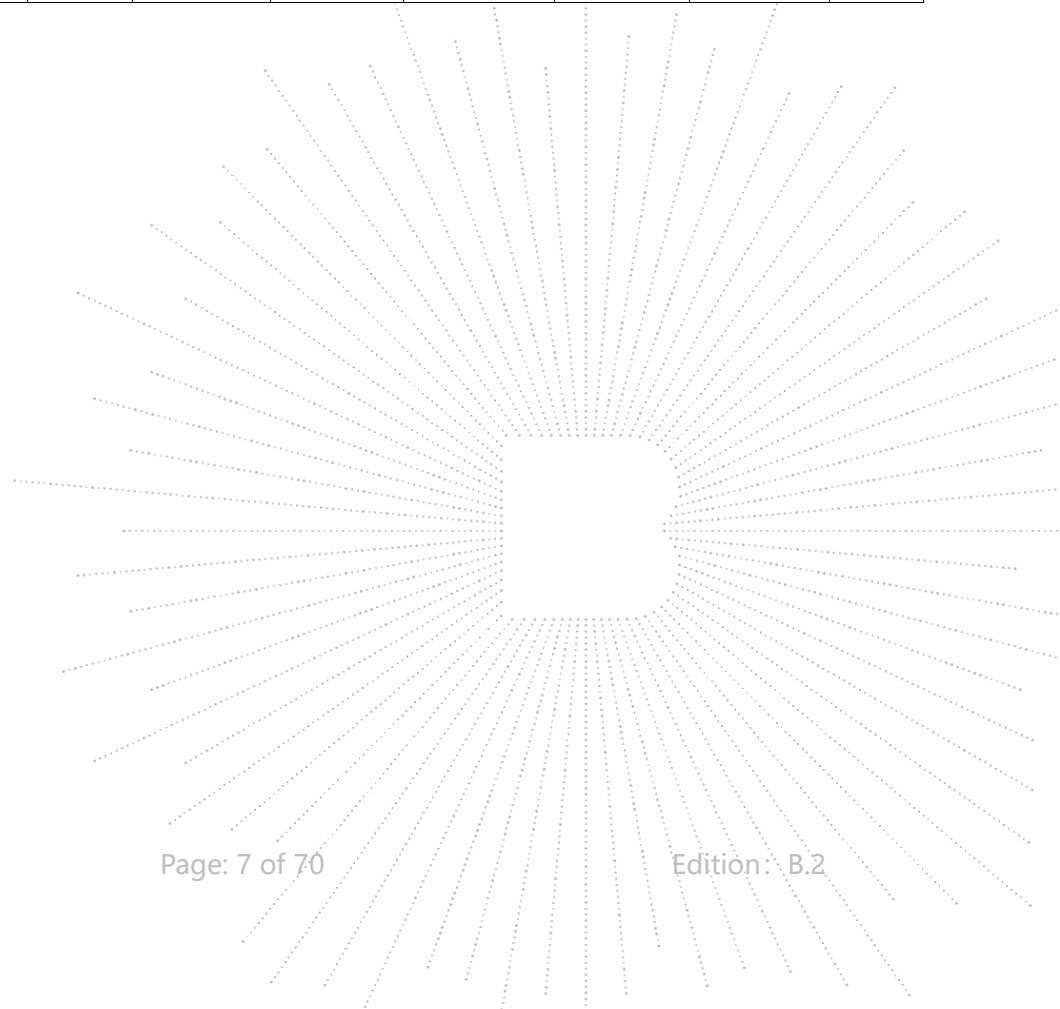
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	20.94	0.18	21.12	PASS
Band4	1.4	19957	1	#Mid	QPSK	20.84	0.18	21.02	PASS
Band4	1.4	19957	1	#Max	QPSK	20.63	0.18	20.81	PASS
Band4	1.4	19957	3	#0	QPSK	20.77	0.18	20.95	PASS
Band4	1.4	19957	3	#Mid	QPSK	20.65	0.18	20.83	PASS
Band4	1.4	19957	3	#Max	QPSK	20.57	0.18	20.75	PASS
Band4	1.4	19957	6	#0	QPSK	19.60	0.18	19.78	PASS
Band4	1.4	19957	1	#0	16QAM	20.00	0.18	20.18	PASS
Band4	1.4	19957	1	#Mid	16QAM	19.82	0.18	20.00	PASS
Band4	1.4	19957	1	#Max	16QAM	19.70	0.18	19.88	PASS
Band4	1.4	19957	3	#0	16QAM	19.97	0.18	20.15	PASS
Band4	1.4	19957	3	#Mid	16QAM	19.94	0.18	20.12	PASS
Band4	1.4	19957	3	#Max	16QAM	19.78	0.18	19.96	PASS
Band4	1.4	19957	6	#0	16QAM	18.84	0.18	19.02	PASS
Band4	1.4	20175	1	#0	QPSK	22.38	0.18	22.56	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.46	0.18	22.64	PASS
Band4	1.4	20175	1	#Max	QPSK	22.53	0.18	22.71	PASS
Band4	1.4	20175	3	#0	QPSK	22.31	0.18	22.49	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.34	0.18	22.52	PASS
Band4	1.4	20175	3	#Max	QPSK	22.52	0.18	22.70	PASS
Band4	1.4	20175	6	#0	QPSK	21.37	0.18	21.55	PASS
Band4	1.4	20175	1	#0	16QAM	21.21	0.18	21.39	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.34	0.18	21.52	PASS
Band4	1.4	20175	1	#Max	16QAM	21.51	0.18	21.69	PASS
Band4	1.4	20175	3	#0	16QAM	21.55	0.18	21.73	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.59	0.18	21.77	PASS
Band4	1.4	20175	3	#Max	16QAM	21.71	0.18	21.89	PASS
Band4	1.4	20175	6	#0	16QAM	20.68	0.18	20.86	PASS
Band4	1.4	20393	1	#0	QPSK	21.94	0.18	22.12	PASS
Band4	1.4	20393	1	#Mid	QPSK	21.91	0.18	22.09	PASS
Band4	1.4	20393	1	#Max	QPSK	21.77	0.18	21.95	PASS
Band4	1.4	20393	3	#0	QPSK	21.77	0.18	21.95	PASS
Band4	1.4	20393	3	#Mid	QPSK	21.72	0.18	21.90	PASS
Band4	1.4	20393	3	#Max	QPSK	21.68	0.18	21.86	PASS
Band4	1.4	20393	6	#0	QPSK	20.82	0.18	21.00	PASS
Band4	1.4	20393	1	#0	16QAM	21.07	0.18	21.25	PASS

Band4	1.4	20393	1	#Mid	16QAM	21.07	0.18	21.25	PASS
Band4	1.4	20393	1	#Max	16QAM	21.00	0.18	21.18	PASS
Band4	1.4	20393	3	#0	16QAM	21.10	0.18	21.28	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.11	0.18	21.29	PASS
Band4	1.4	20393	3	#Max	16QAM	21.00	0.18	21.18	PASS
Band4	1.4	20393	6	#0	16QAM	20.15	0.18	20.33	PASS
Band4	3	19965	1	#0	QPSK	20.75	0.18	20.93	PASS
Band4	3	19965	1	#Mid	QPSK	20.42	0.18	20.60	PASS
Band4	3	19965	1	#Max	QPSK	20.02	0.18	20.20	PASS
Band4	3	19965	8	#0	QPSK	19.57	0.18	19.75	PASS
Band4	3	19965	8	#Mid	QPSK	19.48	0.18	19.66	PASS
Band4	3	19965	8	#Max	QPSK	19.26	0.18	19.44	PASS
Band4	3	19965	15	#0	QPSK	19.45	0.18	19.63	PASS
Band4	3	19965	1	#0	16QAM	20.20	0.18	20.38	PASS
Band4	3	19965	1	#Mid	16QAM	19.92	0.18	20.10	PASS
Band4	3	19965	1	#Max	16QAM	19.50	0.18	19.68	PASS
Band4	3	19965	8	#0	16QAM	18.67	0.18	18.85	PASS
Band4	3	19965	8	#Mid	16QAM	18.53	0.18	18.71	PASS
Band4	3	19965	8	#Max	16QAM	18.41	0.18	18.59	PASS
Band4	3	19965	15	#0	16QAM	18.54	0.18	18.72	PASS
Band4	3	20175	1	#0	QPSK	22.27	0.18	22.45	PASS
Band4	3	20175	1	#Mid	QPSK	22.66	0.18	22.84	PASS
Band4	3	20175	1	#Max	QPSK	22.92	0.18	23.10	PASS
Band4	3	20175	8	#0	QPSK	21.43	0.18	21.61	PASS
Band4	3	20175	8	#Mid	QPSK	21.59	0.18	21.77	PASS
Band4	3	20175	8	#Max	QPSK	21.76	0.18	21.94	PASS
Band4	3	20175	15	#0	QPSK	21.60	0.18	21.78	PASS
Band4	3	20175	1	#0	16QAM	21.38	0.18	21.56	PASS
Band4	3	20175	1	#Mid	16QAM	21.89	0.18	22.07	PASS
Band4	3	20175	1	#Max	16QAM	22.14	0.18	22.32	PASS
Band4	3	20175	8	#0	16QAM	20.46	0.18	20.64	PASS
Band4	3	20175	8	#Mid	16QAM	20.79	0.18	20.97	PASS
Band4	3	20175	8	#Max	16QAM	20.93	0.18	21.11	PASS
Band4	3	20175	15	#0	16QAM	20.75	0.18	20.93	PASS
Band4	3	20385	1	#0	QPSK	22.24	0.18	22.42	PASS
Band4	3	20385	1	#Mid	QPSK	22.03	0.18	22.21	PASS
Band4	3	20385	1	#Max	QPSK	21.71	0.18	21.89	PASS
Band4	3	20385	8	#0	QPSK	21.05	0.18	21.23	PASS
Band4	3	20385	8	#Mid	QPSK	21.06	0.18	21.24	PASS
Band4	3	20385	8	#Max	QPSK	20.89	0.18	21.07	PASS
Band4	3	20385	15	#0	QPSK	21.06	0.18	21.24	PASS
Band4	3	20385	1	#0	16QAM	21.11	0.18	21.29	PASS
Band4	3	20385	1	#Mid	16QAM	21.03	0.18	21.21	PASS

Band4	3	20385	1	#Max	16QAM	20.70	0.18	20.88	PASS
Band4	3	20385	8	#0	16QAM	20.15	0.18	20.33	PASS
Band4	3	20385	8	#Mid	16QAM	20.13	0.18	20.31	PASS
Band4	3	20385	8	#Max	16QAM	19.96	0.18	20.14	PASS
Band4	3	20385	15	#0	16QAM	20.17	0.18	20.35	PASS
Band4	5	19975	1	#0	QPSK	20.98	0.18	21.16	PASS
Band4	5	19975	1	#Mid	QPSK	20.35	0.18	20.53	PASS
Band4	5	19975	1	#Max	QPSK	19.85	0.18	20.03	PASS
Band4	5	19975	12	#0	QPSK	19.58	0.18	19.76	PASS
Band4	5	19975	12	#Mid	QPSK	19.35	0.18	19.53	PASS
Band4	5	19975	12	#Max	QPSK	18.99	0.18	19.17	PASS
Band4	5	19975	25	#0	QPSK	19.24	0.18	19.42	PASS
Band4	5	19975	1	#0	16QAM	20.50	0.18	20.68	PASS
Band4	5	19975	1	#Mid	16QAM	19.89	0.18	20.07	PASS
Band4	5	19975	1	#Max	16QAM	19.43	0.18	19.61	PASS
Band4	5	19975	12	#0	16QAM	18.58	0.18	18.76	PASS
Band4	5	19975	12	#Mid	16QAM	18.36	0.18	18.54	PASS
Band4	5	19975	12	#Max	16QAM	18.10	0.18	18.28	PASS
Band4	5	19975	25	#0	16QAM	18.26	0.18	18.44	PASS
Band4	5	20175	1	#0	QPSK	22.23	0.18	22.41	PASS
Band4	5	20175	1	#Mid	QPSK	22.80	0.18	22.98	PASS
Band4	5	20175	1	#Max	QPSK	23.43	0.18	23.61	PASS
Band4	5	20175	12	#0	QPSK	21.29	0.18	21.47	PASS
Band4	5	20175	12	#Mid	QPSK	21.65	0.18	21.83	PASS
Band4	5	20175	12	#Max	QPSK	21.98	0.18	22.16	PASS
Band4	5	20175	25	#0	QPSK	21.62	0.18	21.80	PASS
Band4	5	20175	1	#0	16QAM	21.43	0.18	21.61	PASS
Band4	5	20175	1	#Mid	16QAM	22.06	0.18	22.24	PASS
Band4	5	20175	1	#Max	16QAM	22.73	0.18	22.91	PASS
Band4	5	20175	12	#0	16QAM	20.38	0.18	20.56	PASS
Band4	5	20175	12	#Mid	16QAM	20.75	0.18	20.93	PASS
Band4	5	20175	12	#Max	16QAM	21.09	0.18	21.27	PASS
Band4	5	20175	25	#0	16QAM	20.85	0.18	21.03	PASS
Band4	5	20375	1	#0	QPSK	22.59	0.18	22.77	PASS
Band4	5	20375	1	#Mid	QPSK	22.16	0.18	22.34	PASS
Band4	5	20375	1	#Max	QPSK	21.80	0.18	21.98	PASS
Band4	5	20375	12	#0	QPSK	21.36	0.18	21.54	PASS
Band4	5	20375	12	#Mid	QPSK	21.27	0.18	21.45	PASS
Band4	5	20375	12	#Max	QPSK	20.98	0.18	21.16	PASS
Band4	5	20375	25	#0	QPSK	21.17	0.18	21.35	PASS
Band4	5	20375	1	#0	16QAM	22.04	0.18	22.22	PASS
Band4	5	20375	1	#Mid	16QAM	21.62	0.18	21.80	PASS
Band4	5	20375	1	#Max	16QAM	21.38	0.18	21.56	PASS

Band4	5	20375	12	#0	16QAM	20.45	0.18	20.63	PASS
Band4	5	20375	12	#Mid	16QAM	20.42	0.18	20.60	PASS
Band4	5	20375	12	#Max	16QAM	20.14	0.18	20.32	PASS
Band4	5	20375	25	#0	16QAM	20.30	0.18	20.48	PASS
Band4	10	20000	1	#0	QPSK	21.31	0.18	21.49	PASS
Band4	10	20000	1	#Mid	QPSK	20.06	0.18	20.24	PASS
Band4	10	20000	1	#Max	QPSK	19.50	0.18	19.68	PASS
Band4	10	20000	25	#0	QPSK	19.32	0.18	19.50	PASS
Band4	10	20000	25	#Mid	QPSK	19.00	0.18	19.18	PASS
Band4	10	20000	25	#Max	QPSK	18.46	0.18	18.64	PASS
Band4	10	20000	50	#0	QPSK	18.88	0.18	19.06	PASS
Band4	10	20175	1	#0	QPSK	21.54	0.18	21.72	PASS
Band4	10	20175	1	#Mid	QPSK	22.89	0.18	23.07	PASS
Band4	10	20175	1	#Max	QPSK	23.94	0.18	24.12	PASS
Band4	10	20175	25	#0	QPSK	20.99	0.18	21.17	PASS
Band4	10	20175	25	#Mid	QPSK	21.83	0.18	22.01	PASS
Band4	10	20175	25	#Max	QPSK	22.24	0.18	22.42	PASS
Band4	10	20175	50	#0	QPSK	21.73	0.18	21.91	PASS
Band4	10	20350	1	#0	QPSK	23.85	0.18	24.03	PASS
Band4	10	20350	1	#Mid	QPSK	23.03	0.18	23.21	PASS
Band4	10	20350	1	#Max	QPSK	22.31	0.18	22.49	PASS
Band4	10	20350	25	#0	QPSK	22.15	0.18	22.33	PASS
Band4	10	20350	25	#Mid	QPSK	22.00	0.18	22.18	PASS
Band4	10	20350	25	#Max	QPSK	21.55	0.18	21.73	PASS
Band4	10	20350	50	#0	QPSK	21.89	0.18	22.07	PASS
Band4	15	20025	1	#0	QPSK	21.12	0.18	21.30	PASS
Band4	15	20025	1	#Mid	QPSK	19.64	0.18	19.82	PASS
Band4	15	20025	1	#Max	QPSK	20.39	0.18	20.57	PASS
Band4	15	20025	36	#0	QPSK	19.21	0.18	19.39	PASS
Band4	15	20025	36	#Mid	QPSK	18.73	0.18	18.91	PASS
Band4	15	20025	36	#Max	QPSK	18.65	0.18	18.83	PASS
Band4	15	20025	75	#0	QPSK	21.06	0.18	21.24	PASS
Band4	15	20175	1	#0	QPSK	20.73	0.18	20.91	PASS
Band4	15	20175	1	#Mid	QPSK	22.72	0.18	22.90	PASS
Band4	15	20175	1	#Max	QPSK	24.10	0.18	24.28	PASS
Band4	15	20175	36	#0	QPSK	20.59	0.18	20.77	PASS
Band4	15	20175	36	#Mid	QPSK	21.74	0.18	21.92	PASS
Band4	15	20175	36	#Max	QPSK	22.49	0.18	22.67	PASS
Band4	15	20175	75	#0	QPSK	22.60	0.18	22.78	PASS
Band4	15	20325	1	#0	QPSK	24.34	0.18	24.52	PASS
Band4	15	20325	1	#Mid	QPSK	23.85	0.18	24.03	PASS
Band4	15	20325	1	#Max	QPSK	22.68	0.18	22.86	PASS
Band4	15	20325	36	#0	QPSK	22.82	0.18	23.00	PASS

Band4	15	20325	36	#Mid	QPSK	22.63	0.18	22.81	PASS
Band4	15	20325	36	#Max	QPSK	21.98	0.18	22.16	PASS
Band4	15	20325	75	#0	QPSK	23.27	0.18	23.45	PASS
Band4	20	20050	1	#0	QPSK	21.48	0.18	21.66	PASS
Band4	20	20050	1	#Mid	QPSK	19.49	0.18	19.67	PASS
Band4	20	20050	1	#Max	QPSK	21.62	0.18	21.80	PASS
Band4	20	20050	50	#0	QPSK	19.00	0.18	19.18	PASS
Band4	20	20050	50	#Mid	QPSK	18.59	0.18	18.77	PASS
Band4	20	20050	50	#Max	QPSK	19.22	0.18	19.40	PASS
Band4	20	20050	100	#0	QPSK	20.46	0.18	20.64	PASS
Band4	20	20175	1	#0	QPSK	21.57	0.18	21.75	PASS
Band4	20	20175	1	#Mid	QPSK	22.80	0.18	22.98	PASS
Band4	20	20175	1	#Max	QPSK	24.08	0.18	24.26	PASS
Band4	20	20175	50	#0	QPSK	20.34	0.18	20.52	PASS
Band4	20	20175	50	#Mid	QPSK	21.69	0.18	21.87	PASS
Band4	20	20175	50	#Max	QPSK	22.51	0.18	22.69	PASS
Band4	20	20175	100	#0	QPSK	22.27	0.18	22.45	PASS
Band4	20	20300	1	#0	QPSK	24.06	0.18	24.24	PASS
Band4	20	20300	1	#Mid	QPSK	24.26	0.18	24.44	PASS
Band4	20	20300	1	#Max	QPSK	22.86	0.18	23.04	PASS
Band4	20	20300	50	#0	QPSK	22.90	0.18	23.08	PASS
Band4	20	20300	50	#Mid	QPSK	22.87	0.18	23.05	PASS
Band4	20	20300	50	#Max	QPSK	22.24	0.18	22.42	PASS
Band4	20	20300	100	#0	QPSK	23.30	0.18	23.48	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	-17.72	-0.010	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-21.24	-0.012	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-15.94	-0.009	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-20.27	-0.012	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-20.21	-0.012	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-18.40	-0.011	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-15.91	-0.009	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-14.25	-0.008	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-20.96	-0.012	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-12.29	-0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-17.15	-0.010	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-13.86	-0.008	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-20.23	-0.012	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-17.02	-0.010	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-8.97	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-19.45	-0.011	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-12.49	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-18.51	-0.011	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-13.13	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-9.26	-0.005	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-16.94	-0.010	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-17.48	-0.010	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-13.85	-0.008	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-16.02	-0.009	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-18.97	-0.011	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-9.61	-0.006	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-19.50	-0.011	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-13.86	-0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-15.55	-0.009	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-20.90	-0.012	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-15.55	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-19.64	-0.011	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-19.34	-0.011	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-15.25	-0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-20.37	-0.012	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-5.99	-0.003	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-9.74	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	-18.04	-0.011	PASS

Band4	5	19975	25	#0	QPSK	HV	NT	-21.66	-0.013	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-16.64	-0.010	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-9.33	-0.005	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-11.70	-0.007	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-10.21	-0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-8.37	-0.005	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-14.99	-0.009	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-16.92	-0.010	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-16.64	-0.010	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-10.34	-0.006	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-8.78	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-12.07	-0.007	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-15.13	-0.009	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-18.11	-0.010	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	-13.43	-0.008	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	-15.78	-0.009	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-14.35	-0.008	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-12.59	-0.007	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-9.58	-0.006	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-13.70	-0.008	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-10.81	-0.006	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-4.51	-0.003	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-12.62	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-14.41	-0.008	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-10.31	-0.006	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-12.82	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-10.27	-0.006	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-14.61	-0.009	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-12.65	-0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-12.49	-0.007	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-12.45	-0.007	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-10.77	-0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-15.29	-0.009	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-10.09	-0.006	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-4.32	-0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-9.70	-0.006	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-8.38	-0.005	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-6.01	-0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-3.02	-0.002	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-9.64	-0.006	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-14.16	-0.008	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-10.14	-0.006	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-12.59	-0.007	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	-10.17	-0.006	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-15.02	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	0.51	0.000	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-5.82	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	2.09	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-8.55	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-4.28	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	8.51	0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-14.61	-0.009	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-11.12	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	3.22	0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-10.19	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	1.27	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-7.30	-0.004	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-4.21	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-0.87	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	0.79	0.000	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-6.29	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-17.38	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	1.47	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-3.58	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-17.70	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-6.44	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-8.73	-0.005	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-12.40	-0.007	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-12.37	-0.007	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-16.78	-0.010	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	-10.44	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-10.54	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-13.33	-0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-2.76	-0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-16.44	-0.009	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-10.40	-0.006	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-13.00	-0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	3.58	0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-12.37	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-9.77	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-10.27	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-22.20	-0.013	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-13.06	-0.007	PASS

Band4	1.4	20393	6	#0	QPSK	NV	10	-10.41	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-4.48	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-9.00	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-7.65	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-11.50	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-0.41	0.000	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-16.75	-0.010	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	6.32	0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-7.51	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-12.73	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-3.82	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-2.80	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-16.24	-0.009	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-10.96	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-10.51	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	3.46	0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	0.84	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	0	6.88	0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-6.29	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-11.50	-0.007	PASS
Band4	3	19965	15	#0	QPSK	NV	30	0.23	0.000	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-10.81	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-14.76	-0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-7.64	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	0.63	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	-2.79	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	0	-7.51	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-7.68	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-11.23	-0.007	PASS
Band4	3	19965	15	#0	16QAM	NV	30	11.40	0.007	PASS
Band4	3	19965	15	#0	16QAM	NV	40	3.76	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	50	-5.55	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-8.55	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-0.07	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-9.34	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-6.91	-0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	10	2.62	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	20	-16.06	-0.009	PASS
Band4	3	20175	15	#0	QPSK	NV	30	-8.25	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-3.50	-0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-11.92	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	-4.89	-0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-6.38	-0.004	PASS

Band4	3	20175	15	#0	16QAM	NV	-10	-10.54	-0.006	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-18.40	-0.011	PASS
Band4	3	20175	15	#0	16QAM	NV	10	-2.06	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-11.33	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	30	-14.48	-0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	40	-5.24	-0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	50	-4.32	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	0.77	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	11.99	0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	-6.14	-0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	0	-12.82	-0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	10	-7.34	-0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-7.05	-0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-13.85	-0.008	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-10.90	-0.006	PASS
Band4	3	20385	15	#0	QPSK	NV	50	-11.06	-0.006	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	-8.25	-0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-4.84	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	-18.15	-0.010	PASS
Band4	3	20385	15	#0	16QAM	NV	0	6.04	0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-2.80	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-3.00	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	30	3.55	0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-1.14	-0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-7.28	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-10.96	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-7.61	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-7.80	-0.005	PASS
Band4	5	19975	25	#0	QPSK	NV	0	2.19	0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-5.75	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-2.72	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	30	0.56	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-2.85	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-5.54	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-2.35	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	-9.13	-0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	5.68	0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	0	-9.64	-0.006	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-5.51	-0.003	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-0.70	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-1.23	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	40	-13.23	-0.008	PASS
Band4	5	19975	25	#0	16QAM	NV	50	4.91	0.003	PASS

Band4	5	20175	25	#0	QPSK	NV	-30	1.14	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-10.84	-0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	-7.12	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	0	6.15	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	10	3.12	0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	20	-2.29	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-12.79	-0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-15.29	-0.009	PASS
Band4	5	20175	25	#0	QPSK	NV	50	3.55	0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	-9.44	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-5.39	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	-11.39	-0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	0	-2.53	-0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	10	-7.85	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	20	1.09	0.001	PASS
Band4	5	20175	25	#0	16QAM	NV	30	3.48	0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-11.53	-0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	50	-2.09	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	-3.48	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	2.03	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	-1.65	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-6.04	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-2.43	-0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	20	-7.95	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	30	-7.93	-0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-12.46	-0.007	PASS
Band4	5	20375	25	#0	QPSK	NV	50	2.86	0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	5.04	0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-4.81	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	-2.13	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	0	11.67	0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	10	2.52	0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-5.65	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-0.94	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-6.04	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-3.03	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-7.70	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-0.62	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	0.09	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	0	4.02	0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	10	4.84	0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	20	7.98	0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	30	2.23	0.001	PASS

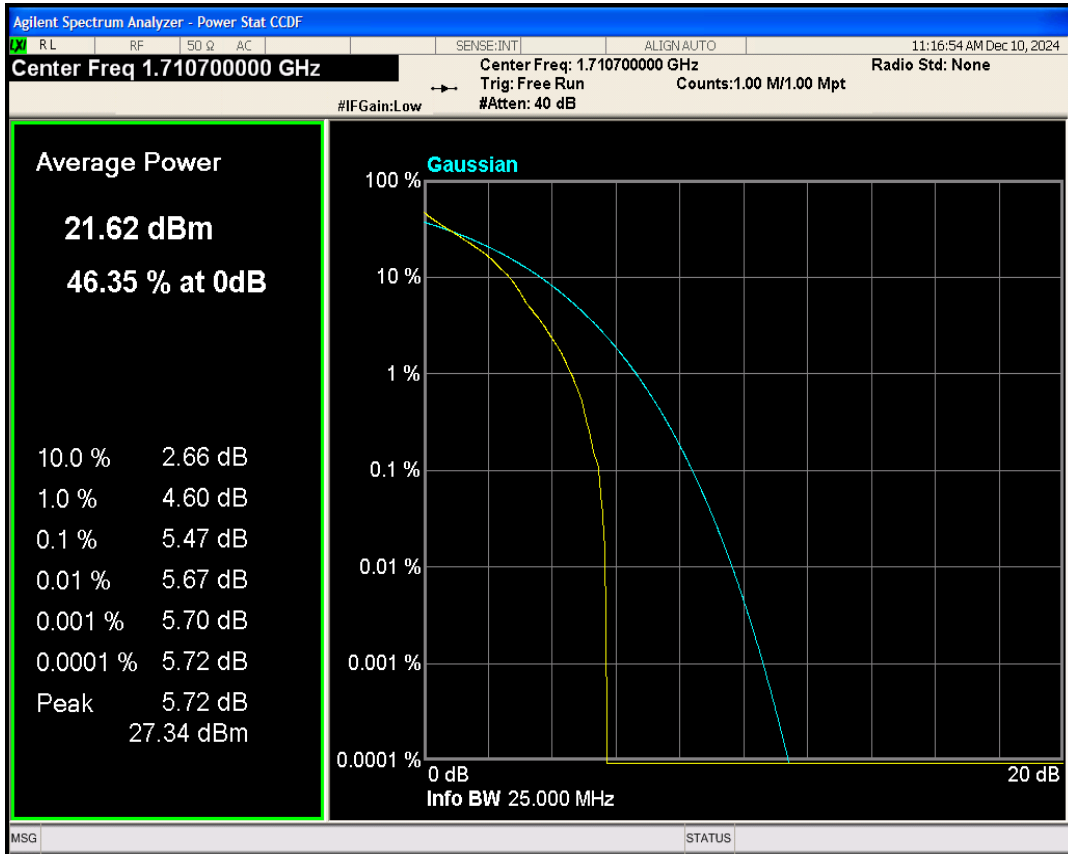
Band4	10	20000	50	#0	QPSK	NV	40	2.10	0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	50	-11.86	-0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-2.78	-0.002	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-13.60	-0.008	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-9.68	-0.006	PASS
Band4	10	20175	50	#0	QPSK	NV	0	4.69	0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-0.49	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	20	-9.97	-0.006	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-5.69	-0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-9.71	-0.006	PASS
Band4	10	20175	50	#0	QPSK	NV	50	-12.47	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-5.39	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	1.30	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-12.97	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-2.89	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-10.64	-0.006	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-2.96	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	30	7.64	0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	40	3.50	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-5.59	-0.003	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-12.40	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-3.22	-0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	7.97	0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	0	3.03	0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-1.63	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-2.29	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-0.56	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	40	0.04	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	50	7.31	0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-2.73	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-14.69	-0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	4.21	0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-1.90	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	10	-3.73	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	20	-1.32	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-5.28	-0.003	PASS
Band4	15	20175	75	#0	QPSK	NV	40	-3.91	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-9.36	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-5.99	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	-5.61	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-0.66	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	0	-9.68	-0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	10	10.00	0.006	PASS

Band4	15	20325	75	#0	QPSK	NV	20	-11.13	-0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	30	-7.72	-0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	40	-2.62	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-7.47	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-11.93	-0.007	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-1.92	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-3.85	-0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	0	0.94	0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-9.67	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-2.12	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	30	4.65	0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-2.20	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-2.03	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-8.34	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-10.83	-0.006	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	-2.68	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	0	-7.50	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	10	-3.96	-0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	20	3.32	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-0.62	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-2.09	-0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	50	-5.89	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-6.67	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-6.38	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	1.34	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	0	-2.82	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	10	-2.22	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-6.11	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	30	3.63	0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-11.94	-0.007	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-6.01	-0.003	PASS

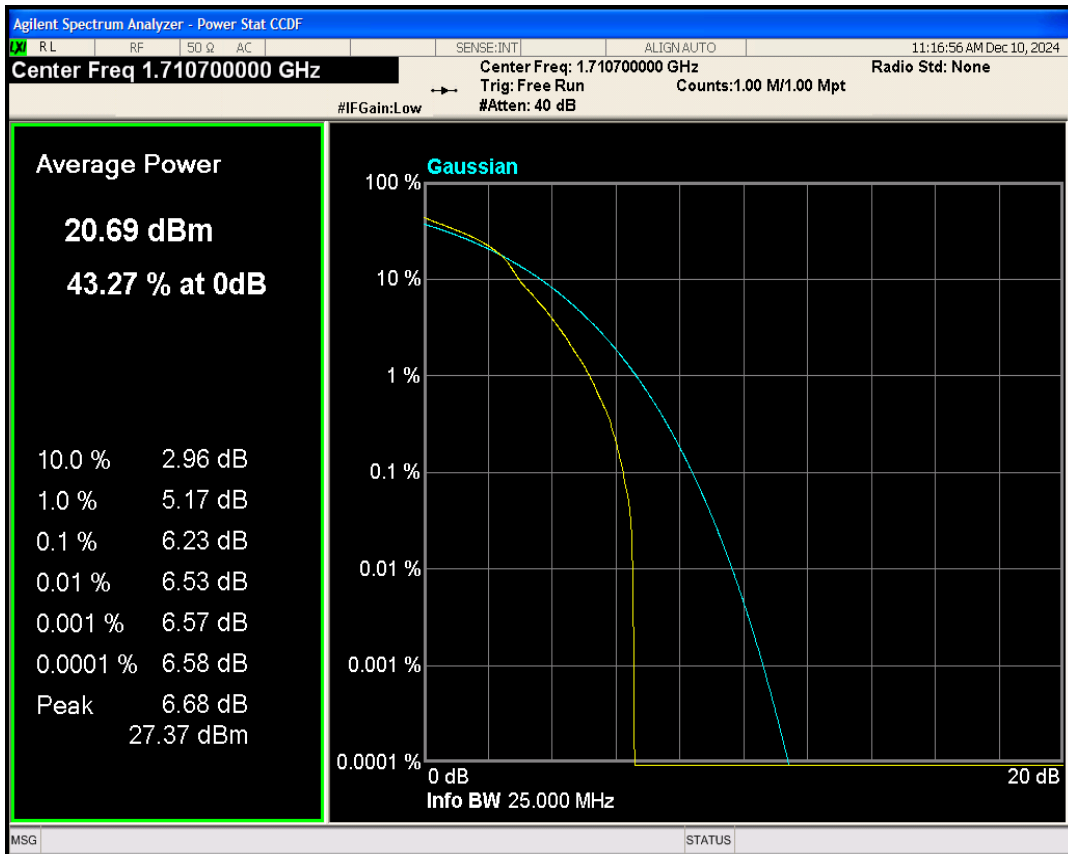
Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.47	13	PASS
Band4	1.4	19957	1	#0	16QAM	6.23	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.78	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.74	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.13	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.77	13	PASS
Band4	3	19965	1	#0	QPSK	5.38	13	PASS
Band4	3	19965	1	#0	16QAM	6.05	13	PASS
Band4	3	20175	1	#0	QPSK	4.88	13	PASS
Band4	3	20175	1	#0	16QAM	5.94	13	PASS
Band4	3	20385	1	#0	QPSK	4.97	13	PASS
Band4	3	20385	1	#0	16QAM	5.58	13	PASS
Band4	5	19975	1	#0	QPSK	5.46	13	PASS
Band4	5	19975	1	#0	16QAM	6.06	13	PASS
Band4	5	20175	1	#0	QPSK	5.07	13	PASS
Band4	5	20175	1	#0	16QAM	5.62	13	PASS
Band4	5	20375	1	#0	QPSK	4.82	13	PASS
Band4	5	20375	1	#0	16QAM	5.45	13	PASS
Band4	10	20000	1	#0	QPSK	5.38	13	PASS
Band4	10	20175	1	#0	QPSK	5.68	13	PASS
Band4	10	20350	1	#0	QPSK	4.57	13	PASS
Band4	15	20025	1	#0	QPSK	5.32	13	PASS
Band4	15	20175	1	#0	QPSK	5.92	13	PASS
Band4	15	20325	1	#0	QPSK	5.16	13	PASS
Band4	20	20050	1	#0	QPSK	5.27	13	PASS
Band4	20	20175	1	#0	QPSK	6.06	13	PASS
Band4	20	20300	1	#0	QPSK	4.84	13	PASS

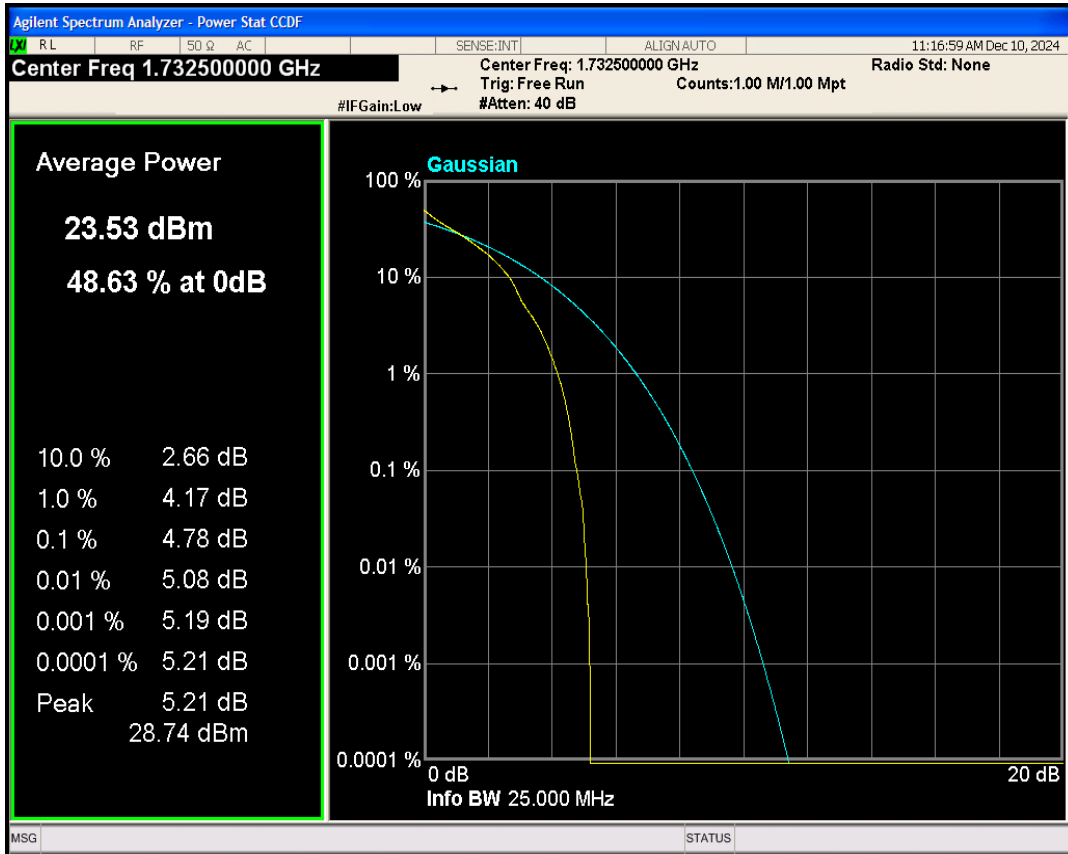
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



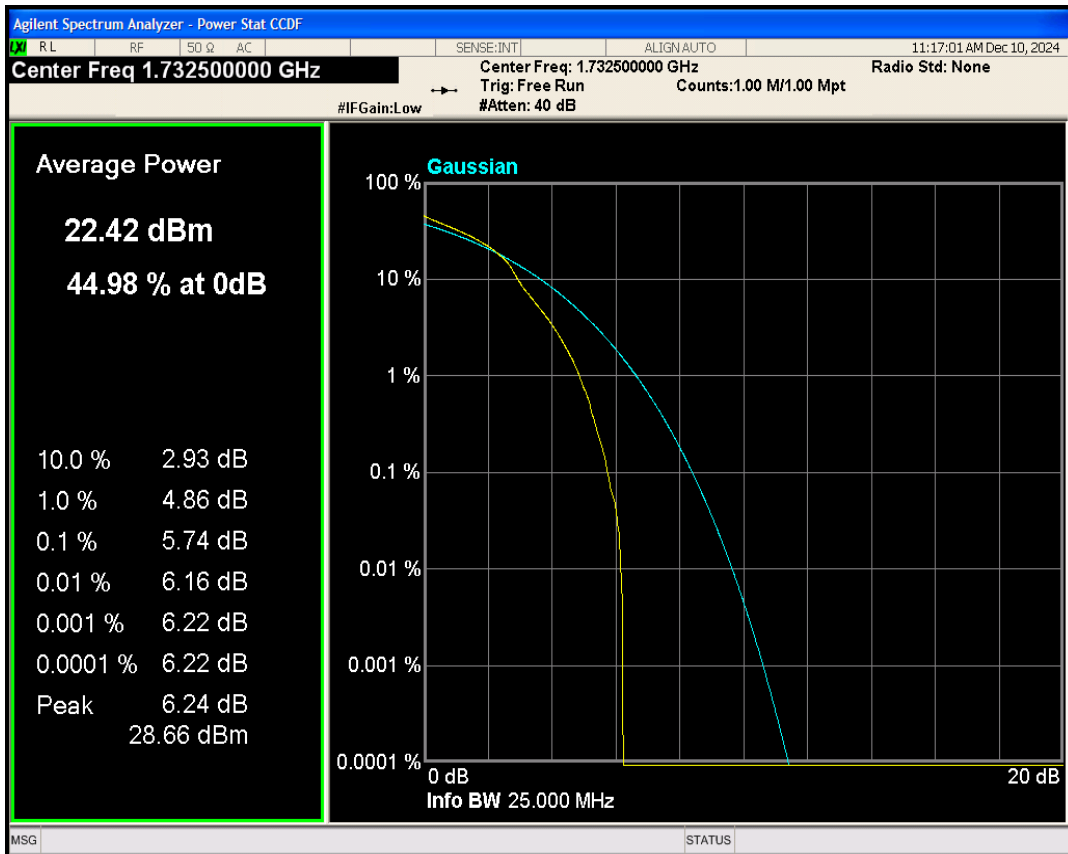
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



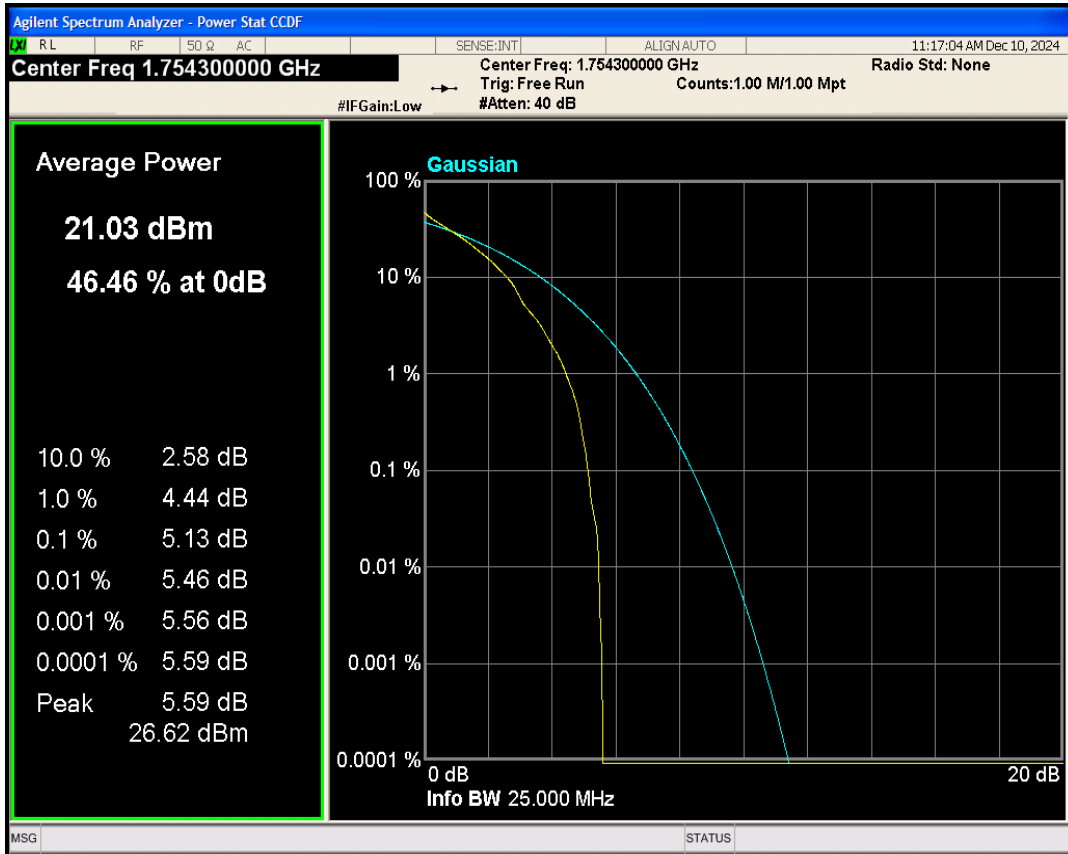
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



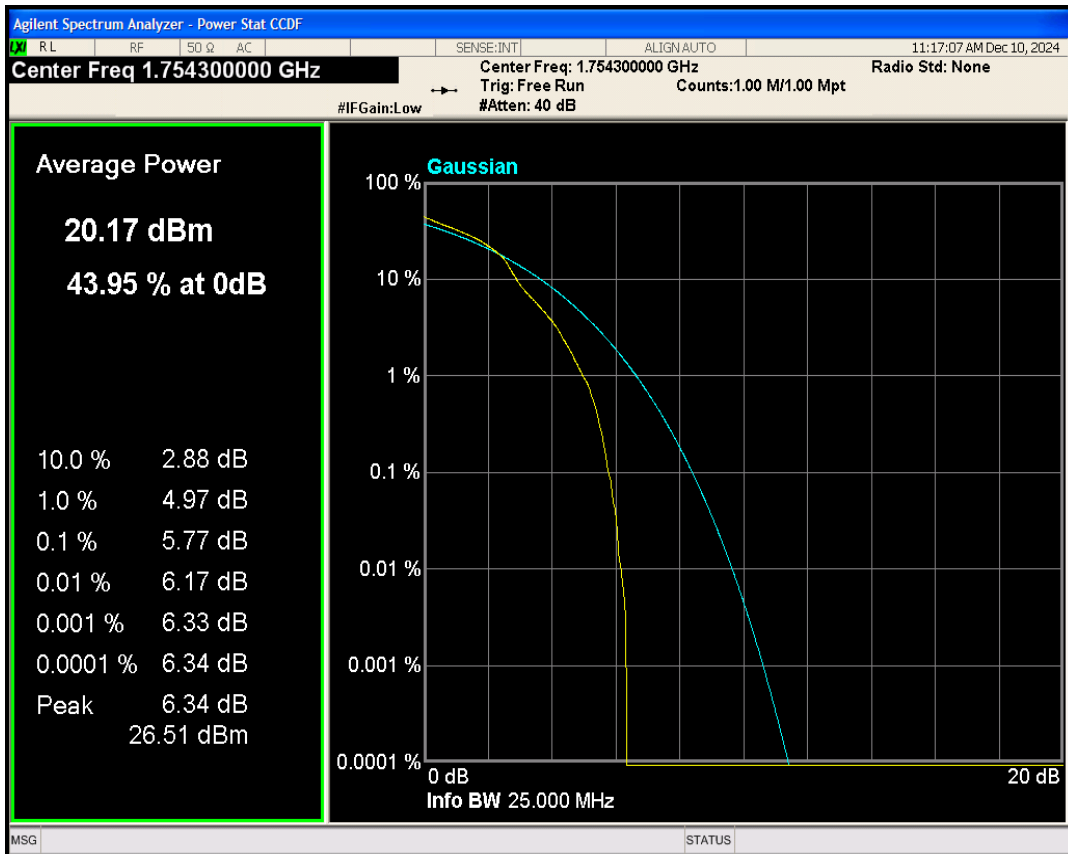
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



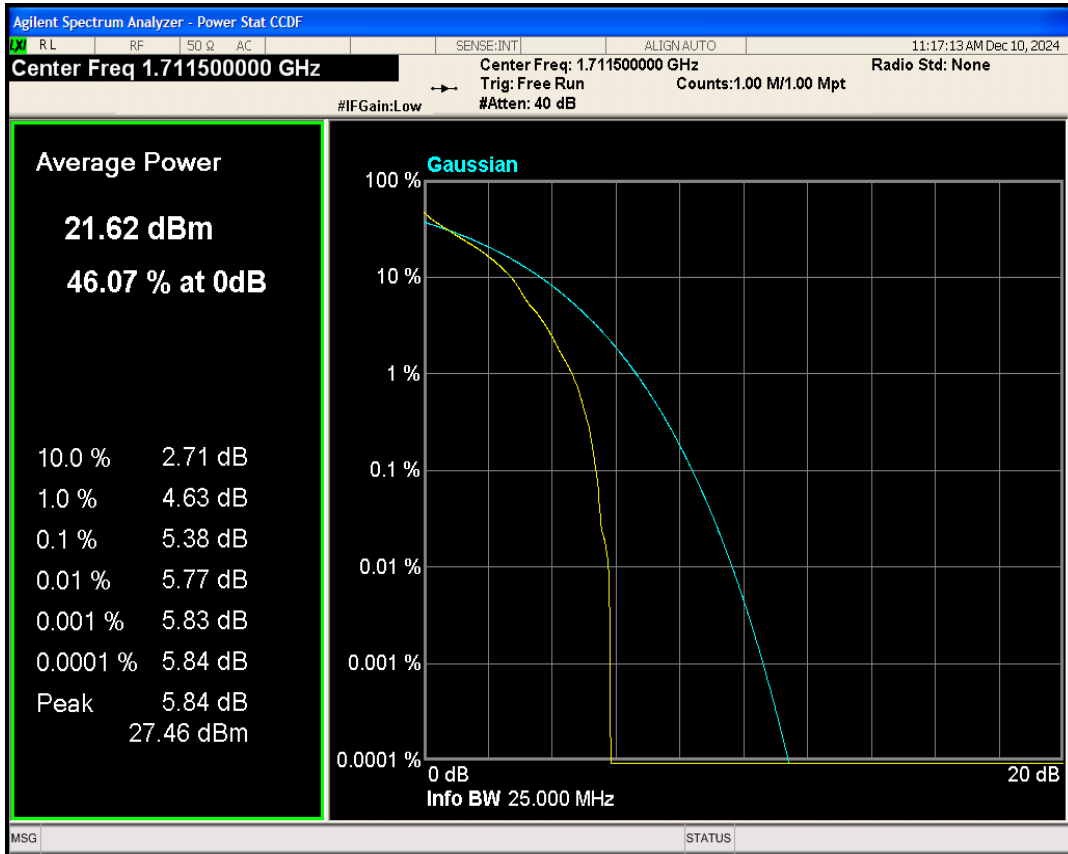
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



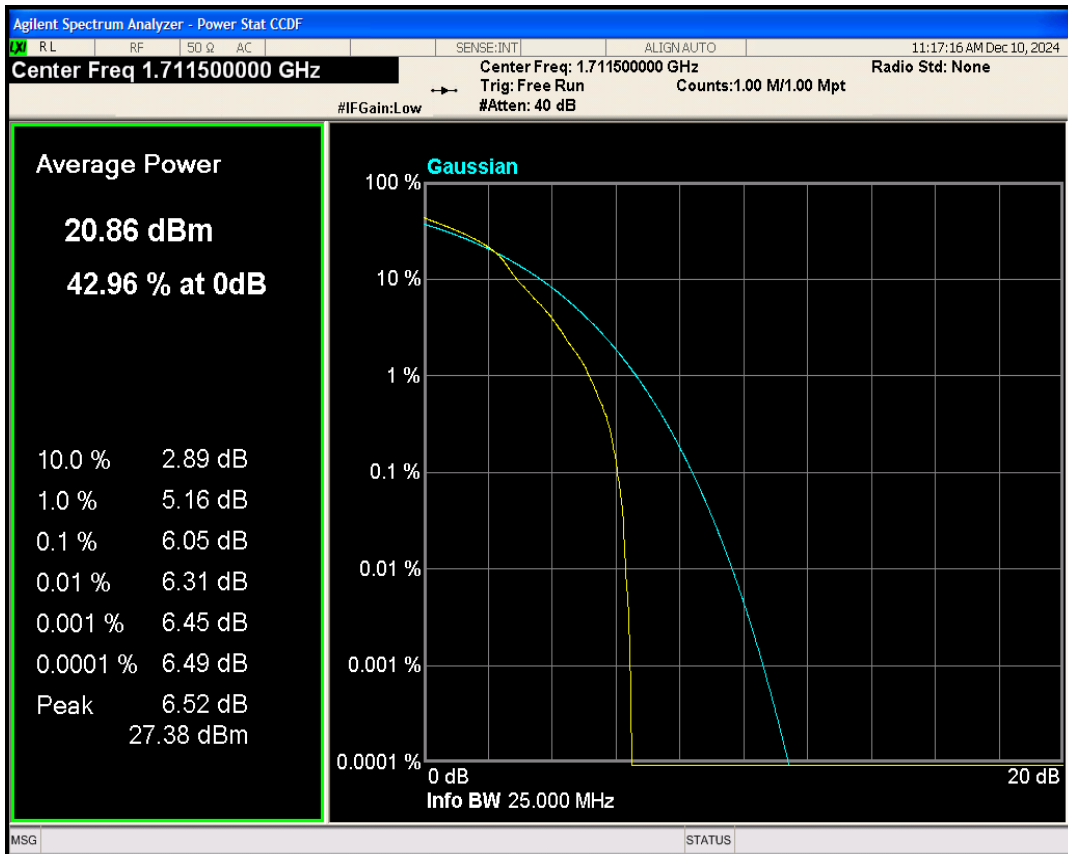
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



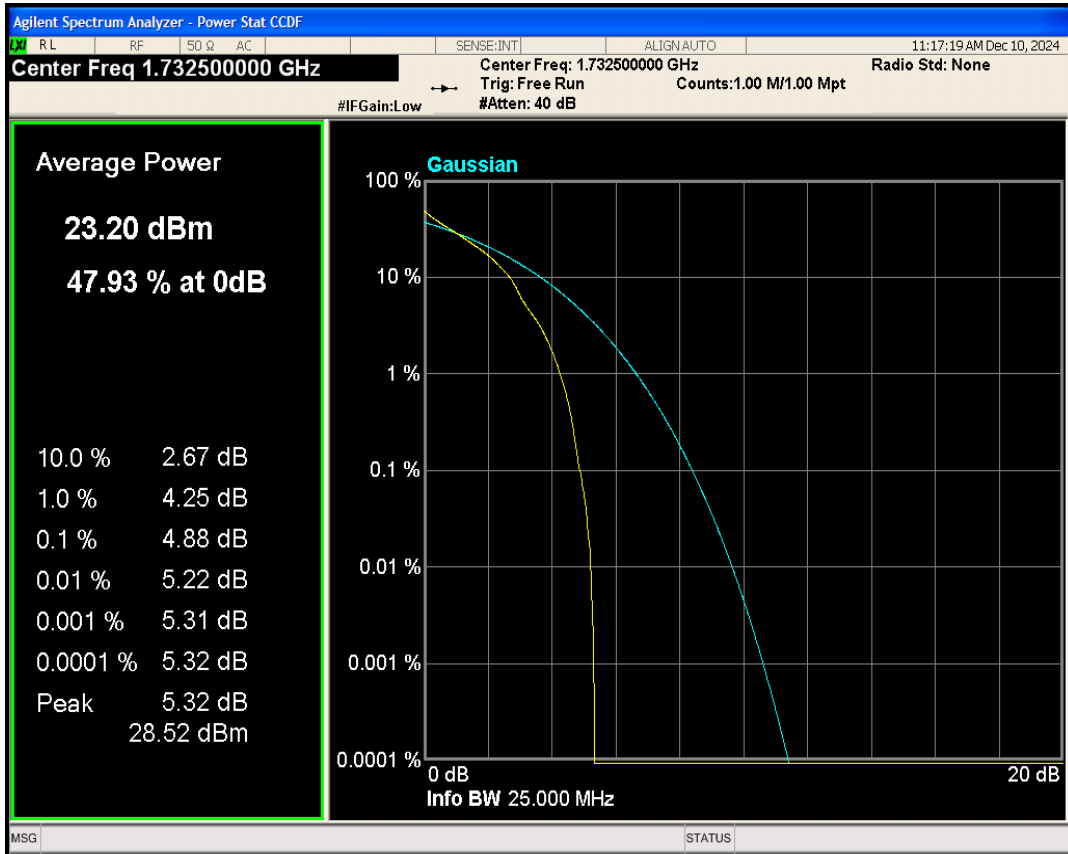
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



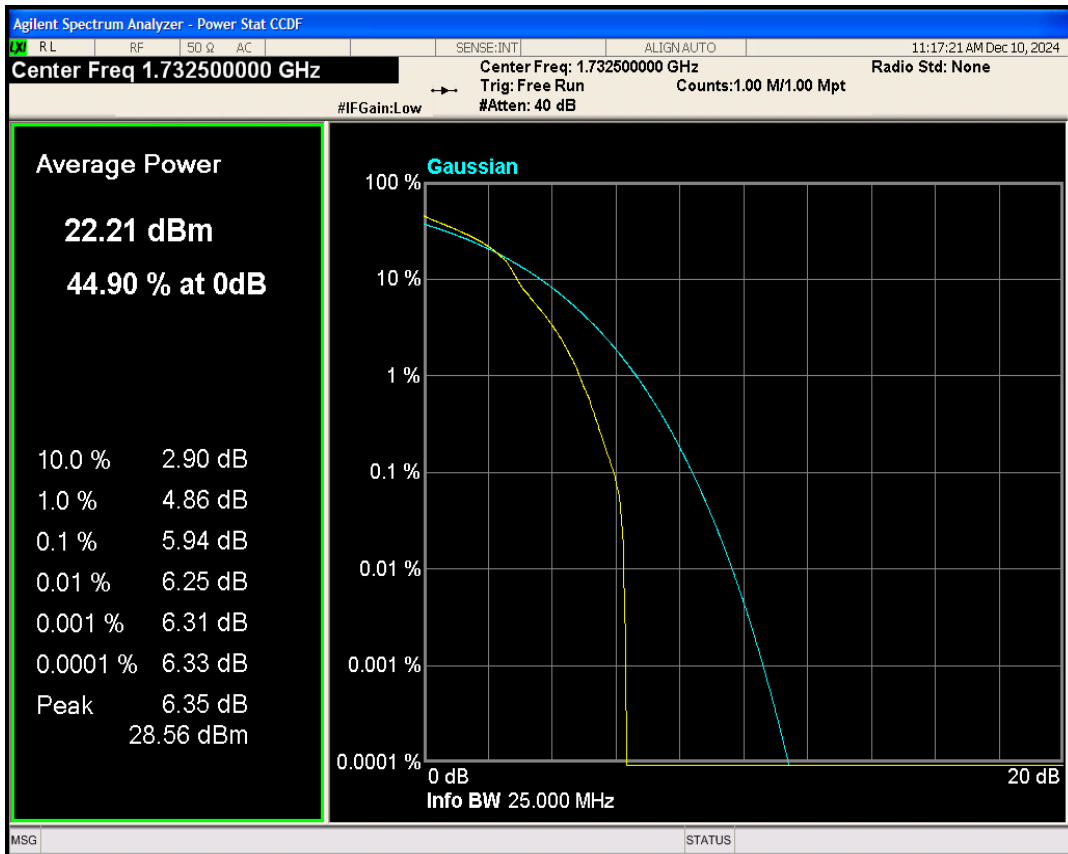
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



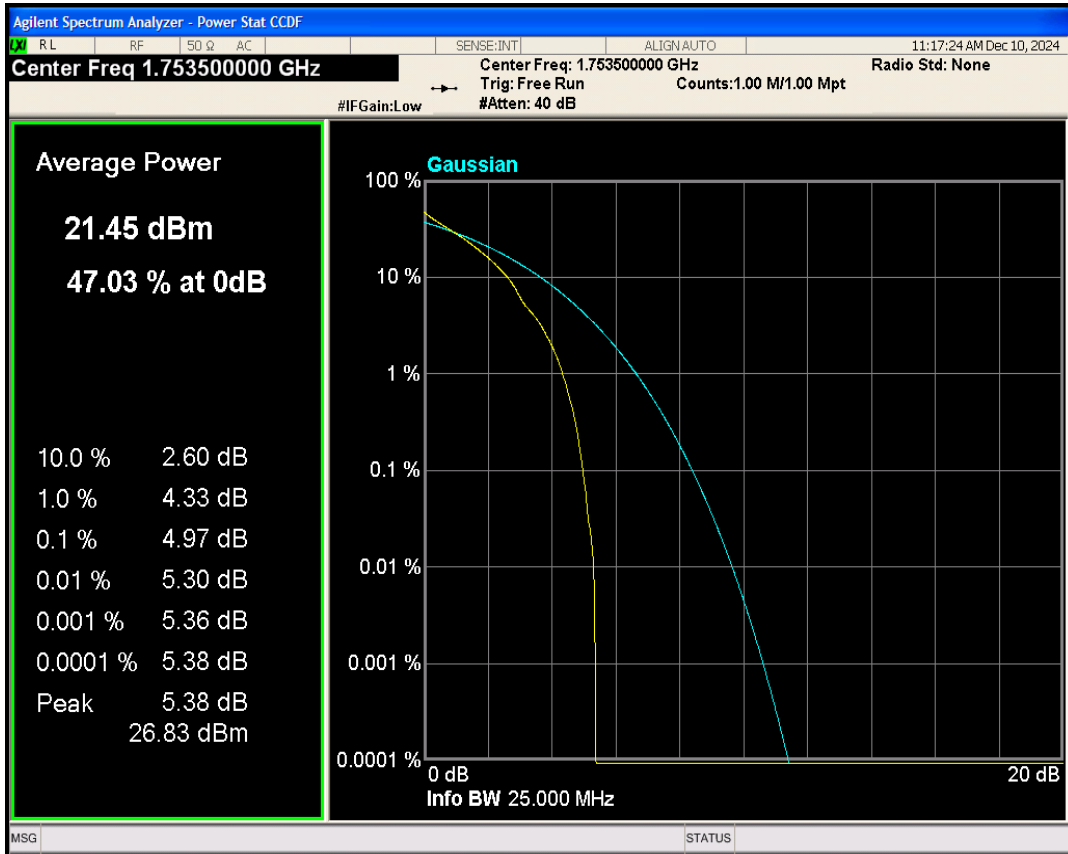
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



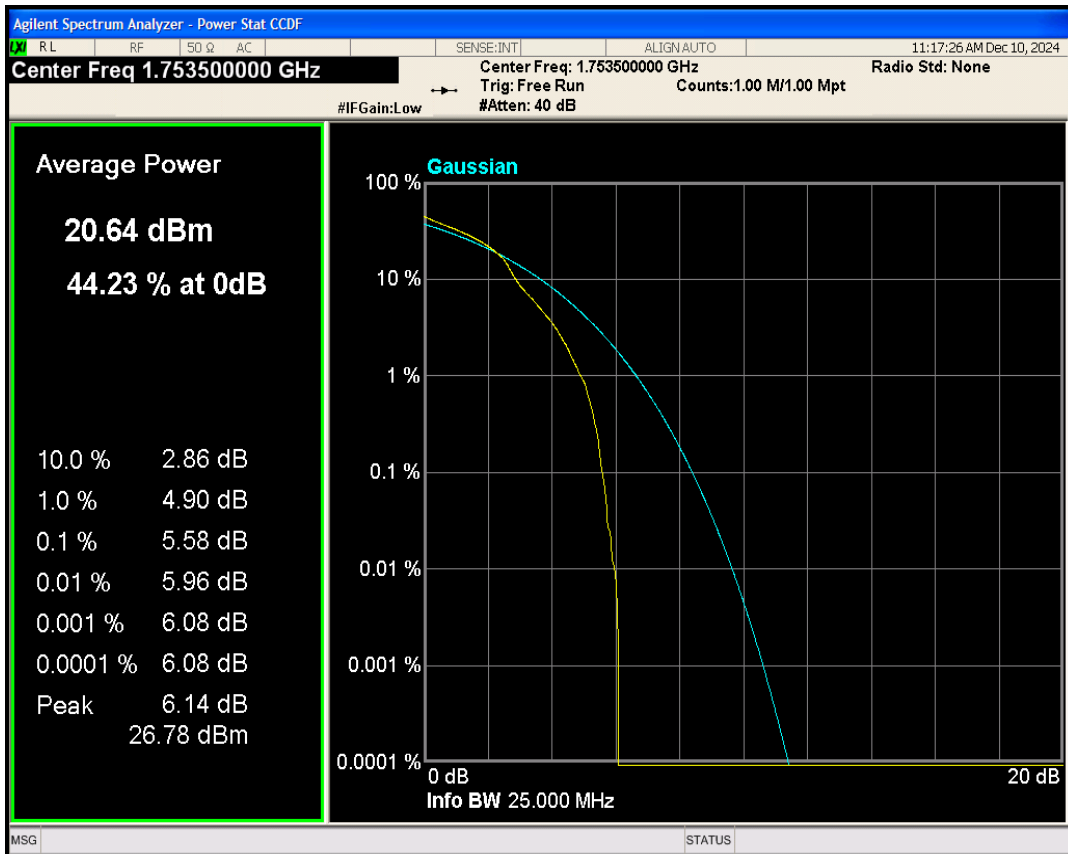
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



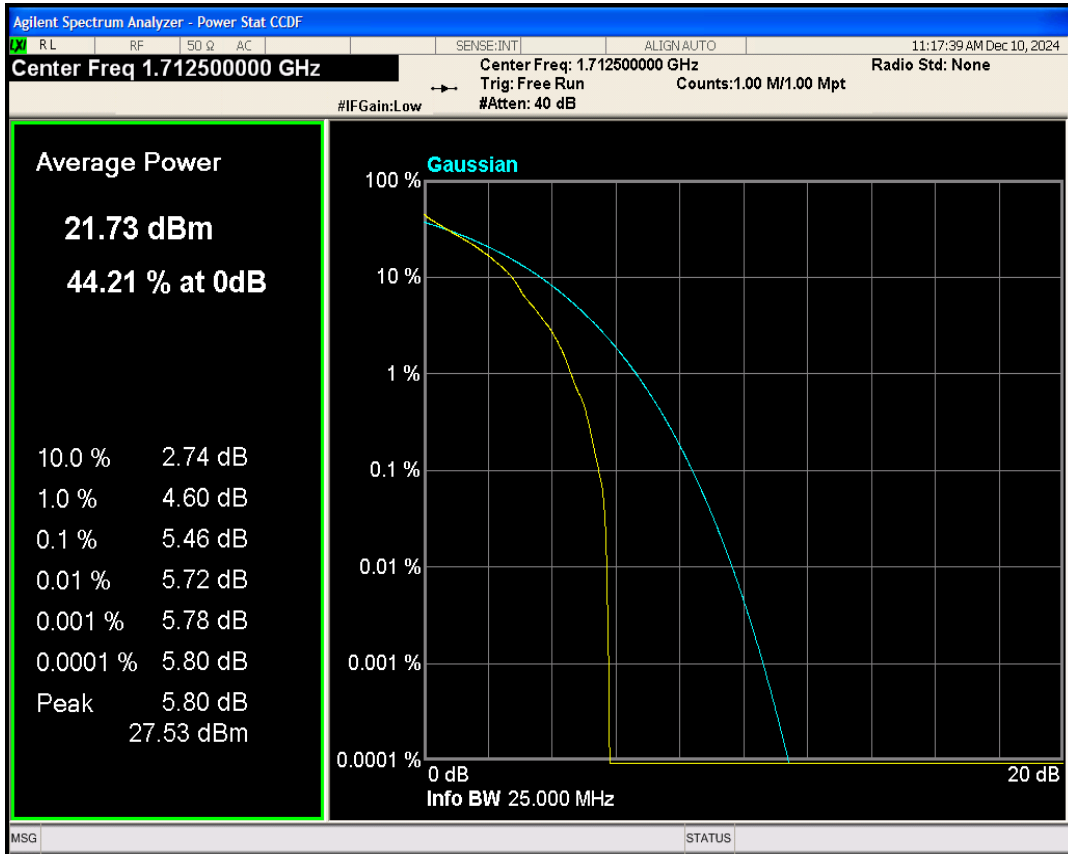
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



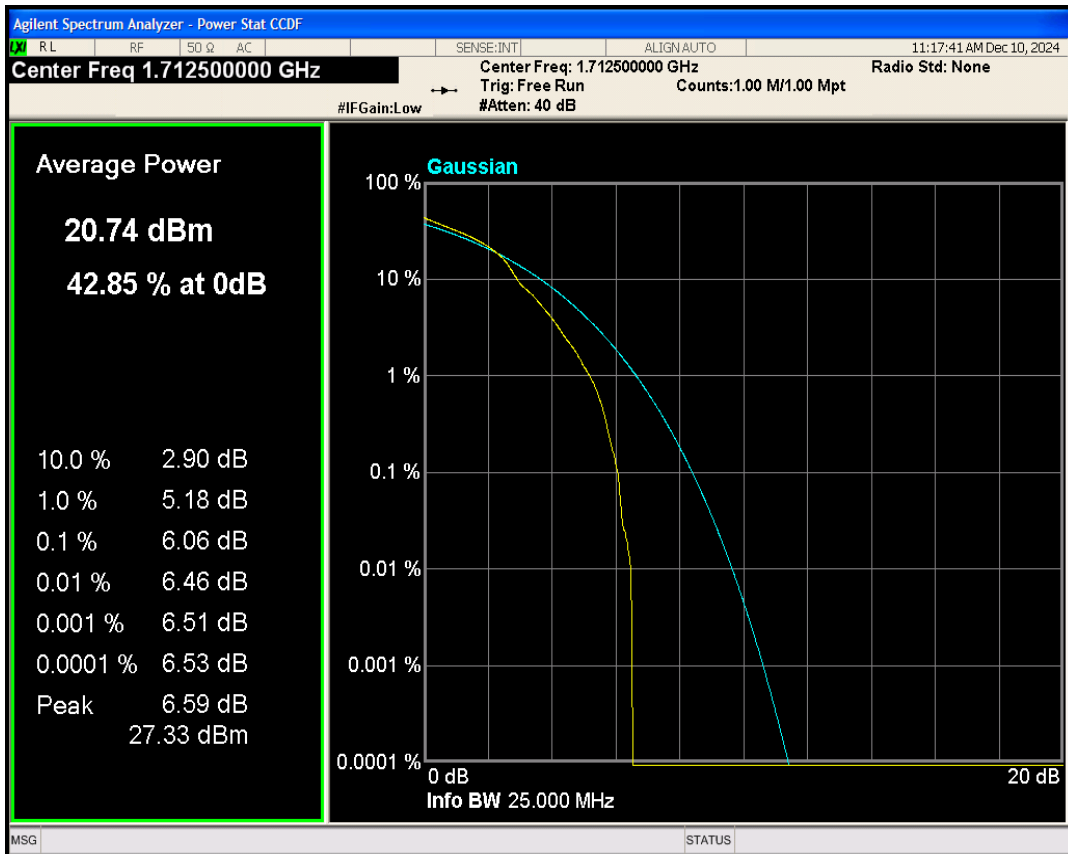
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



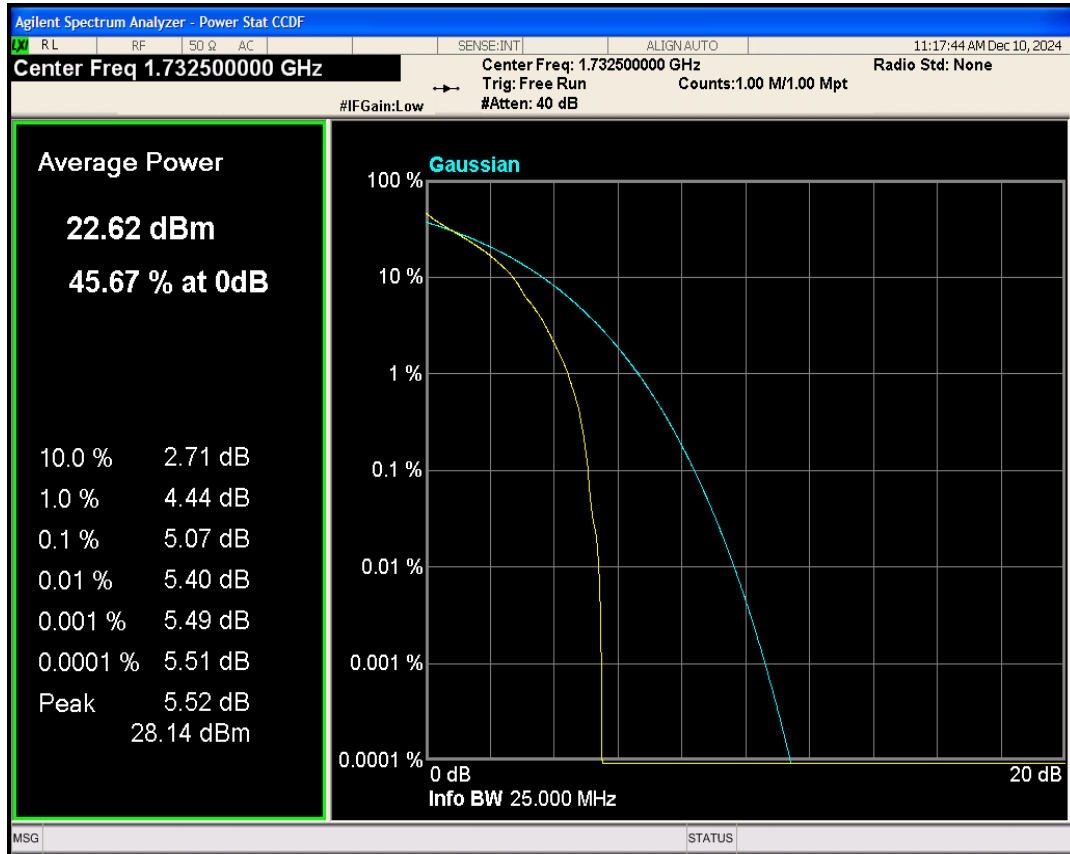
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



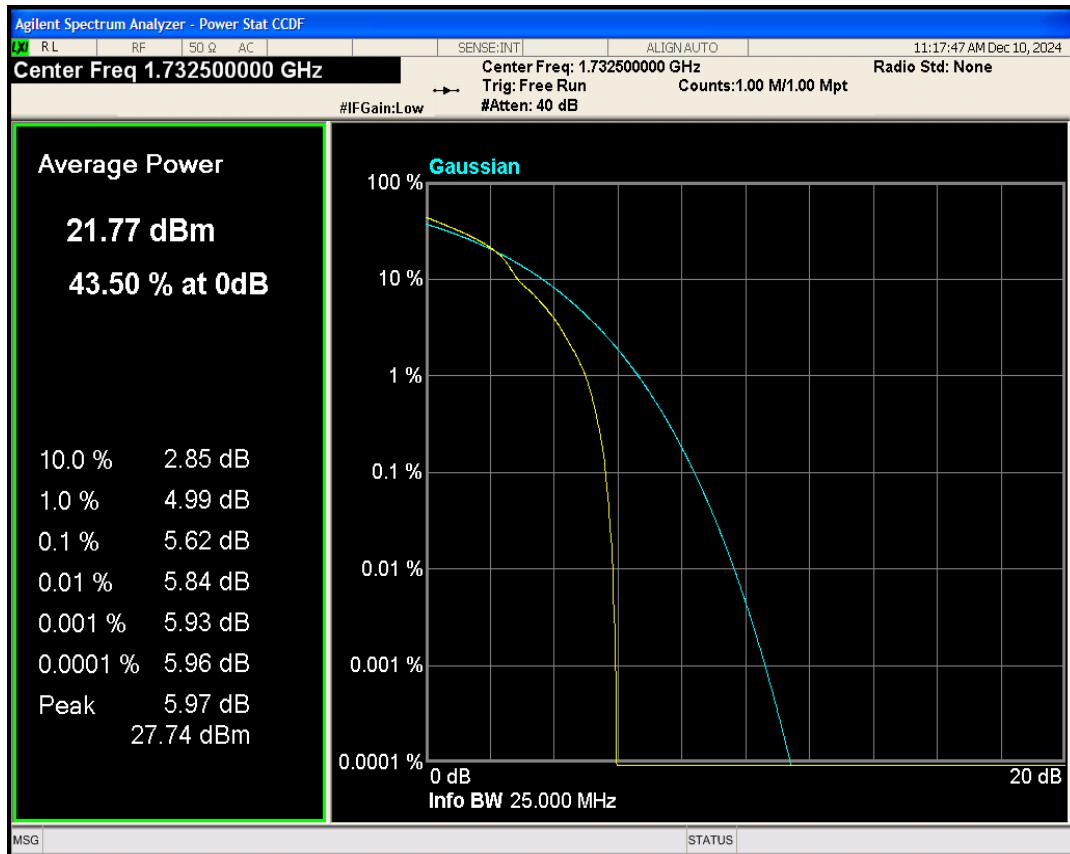
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



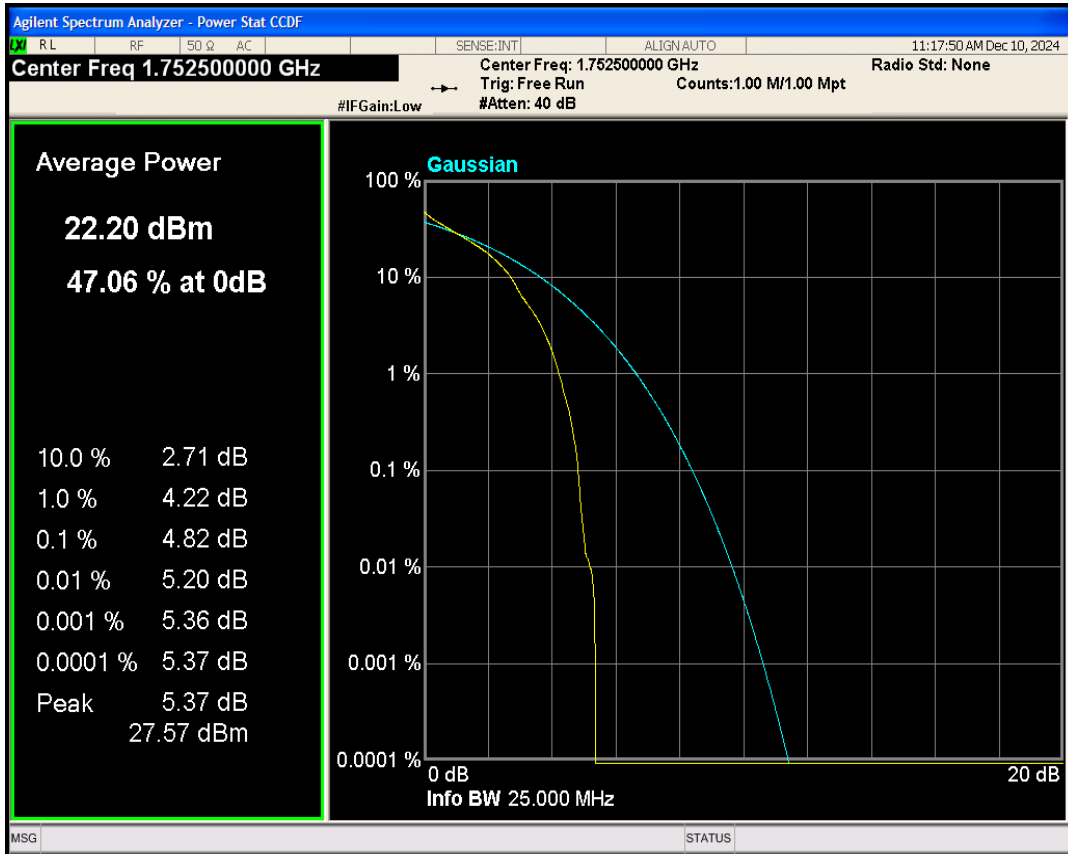
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



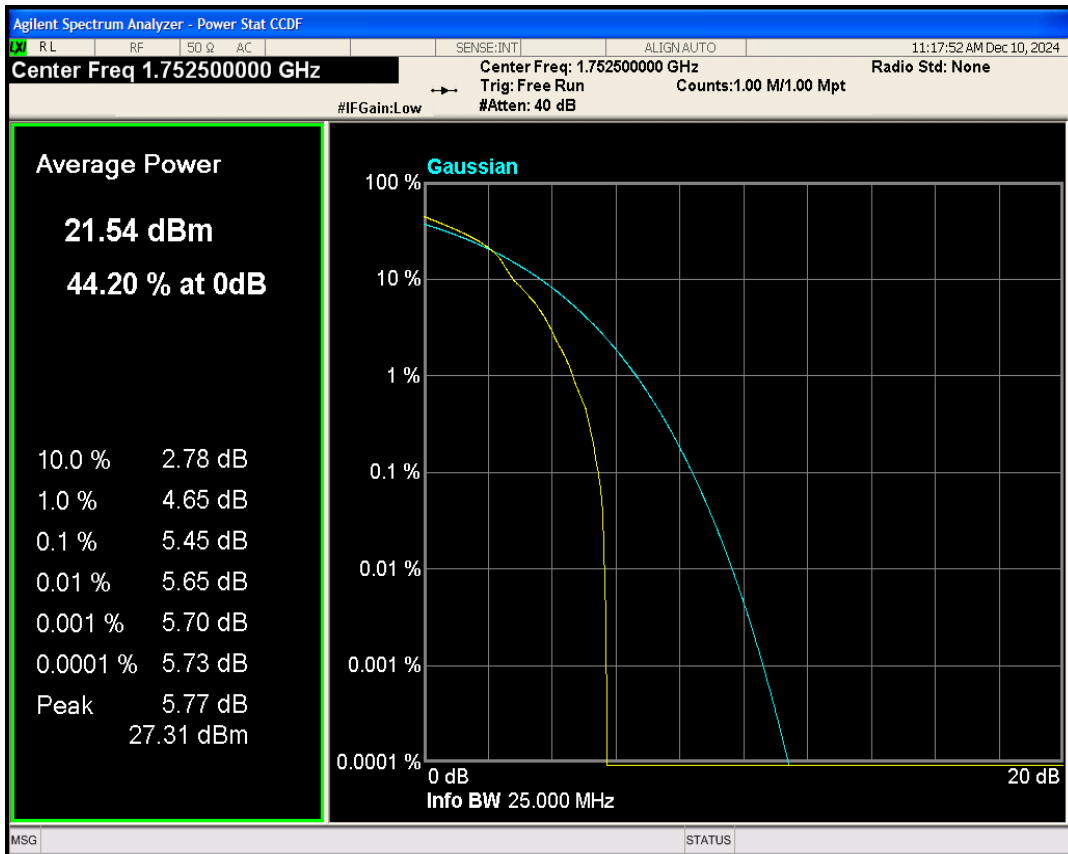
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



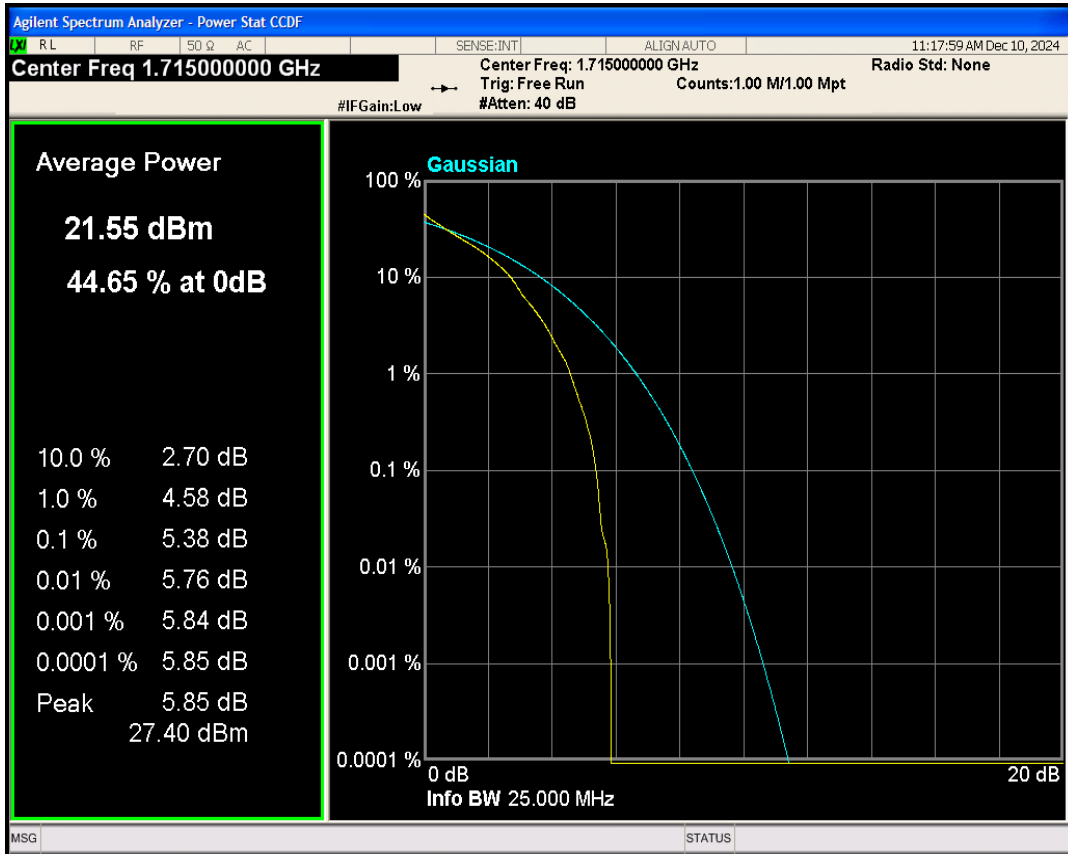
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



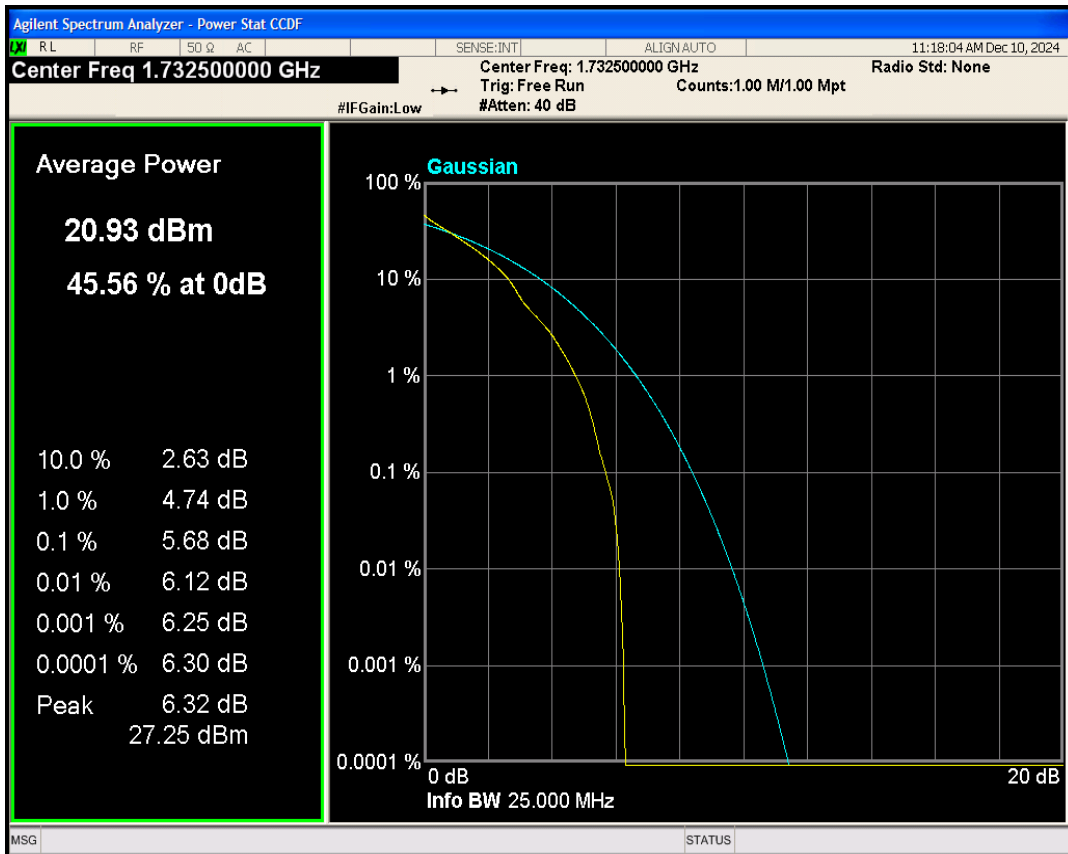
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



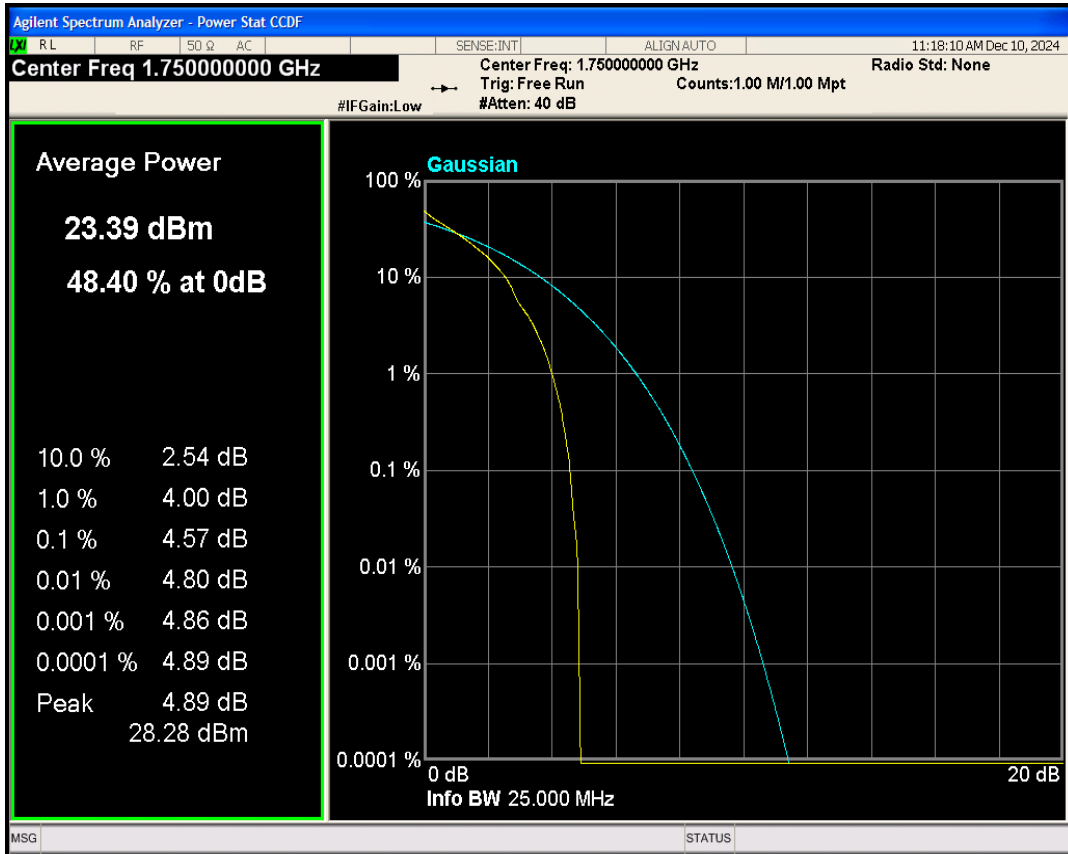
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



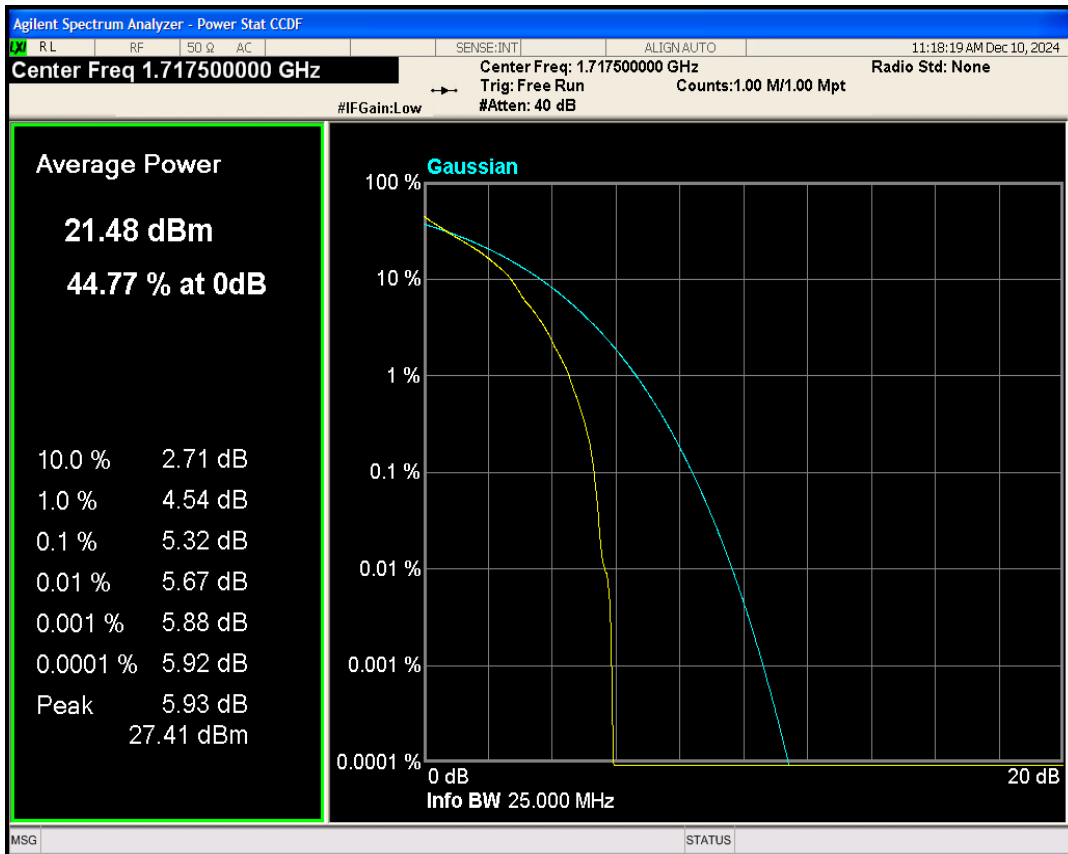
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



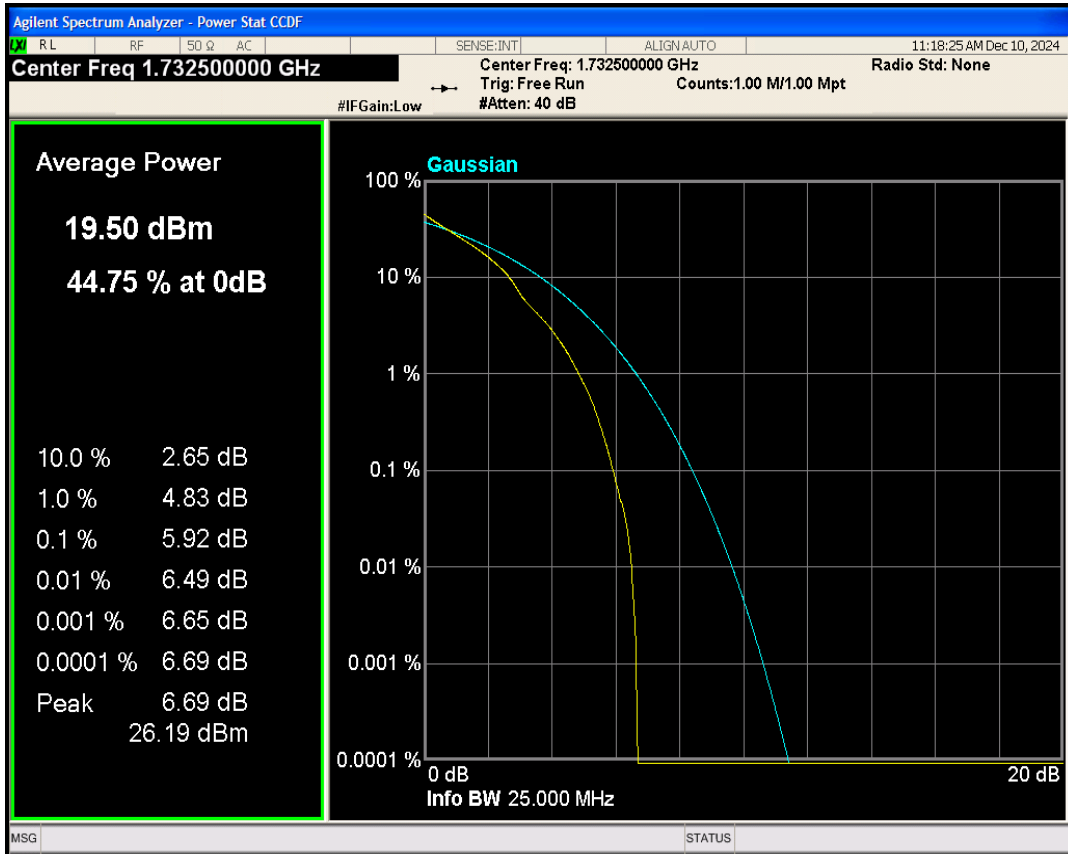
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



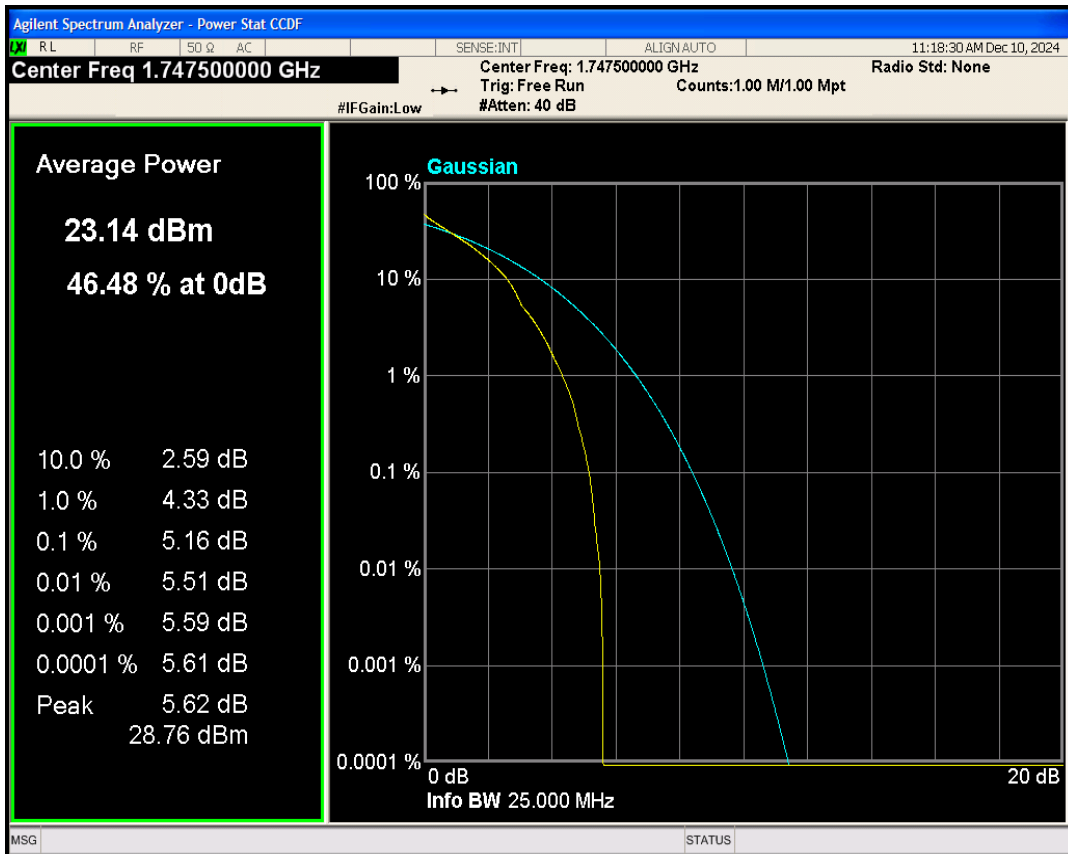
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



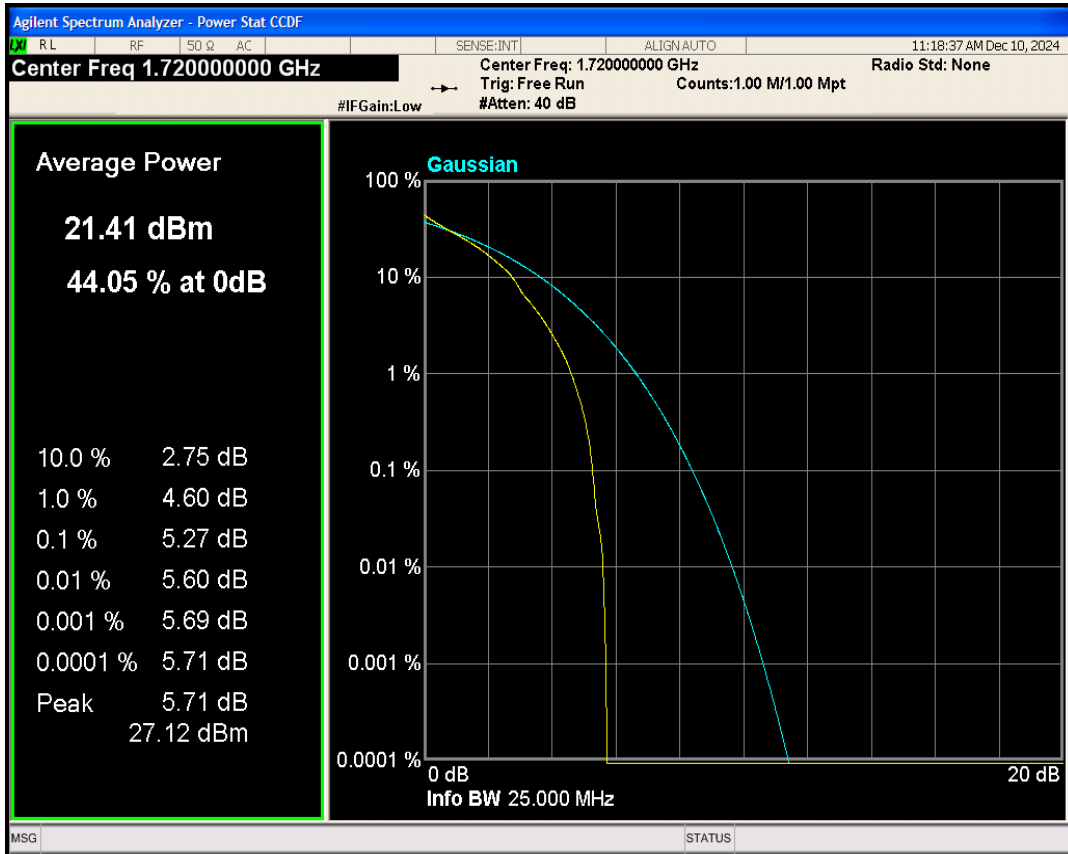
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



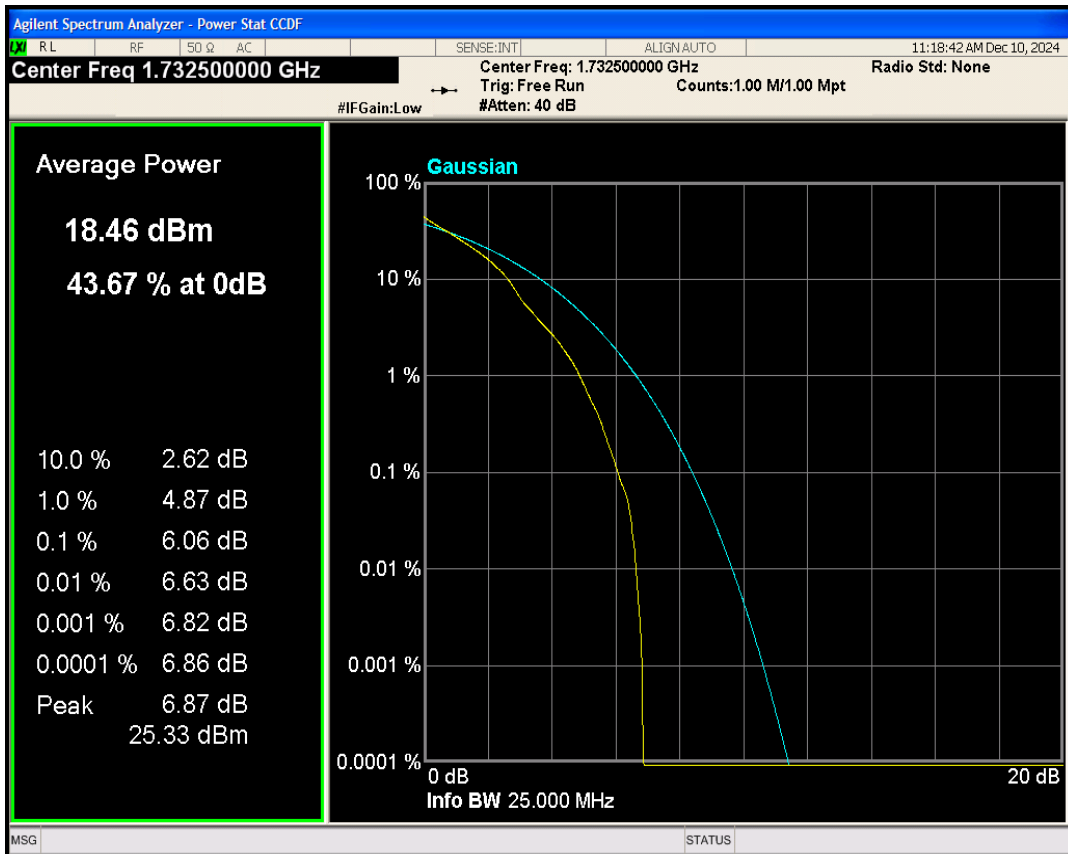
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



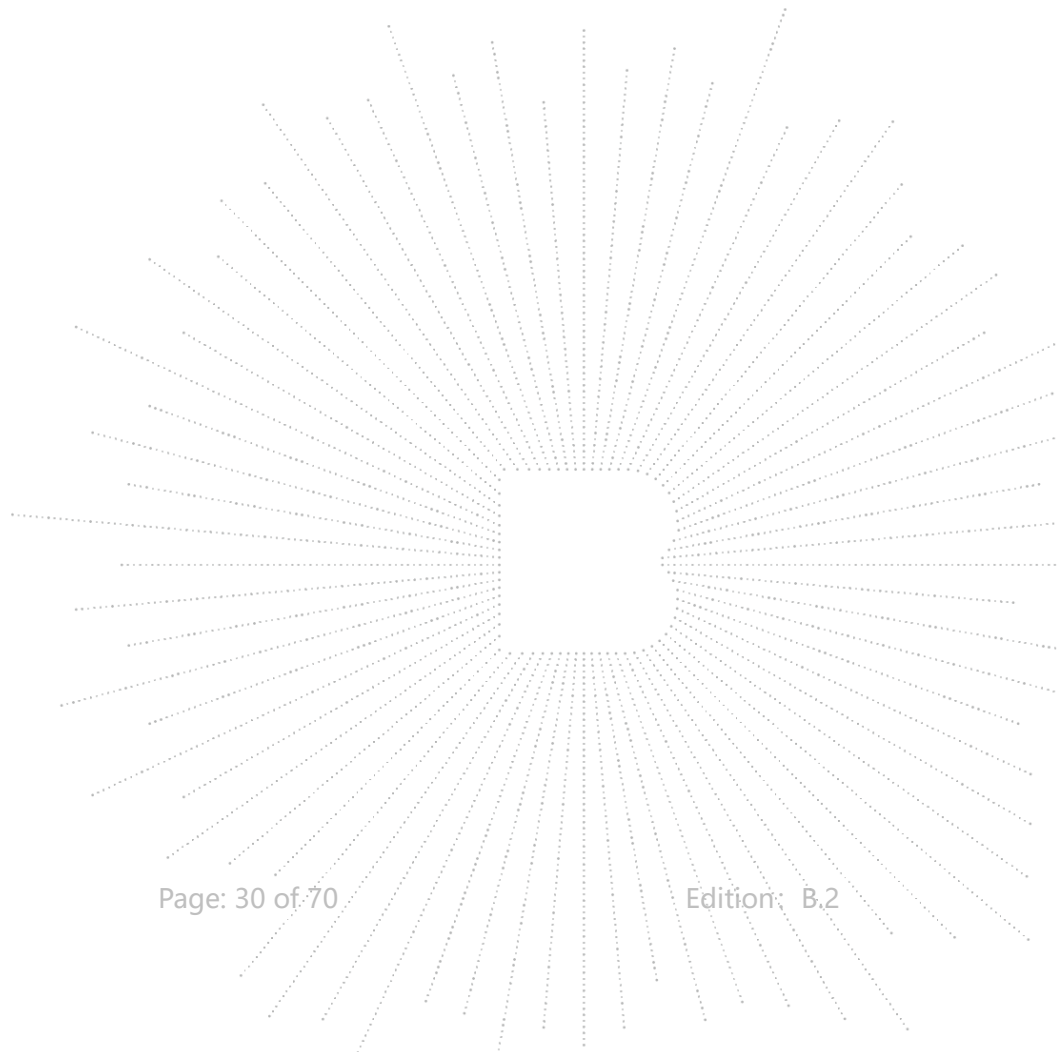
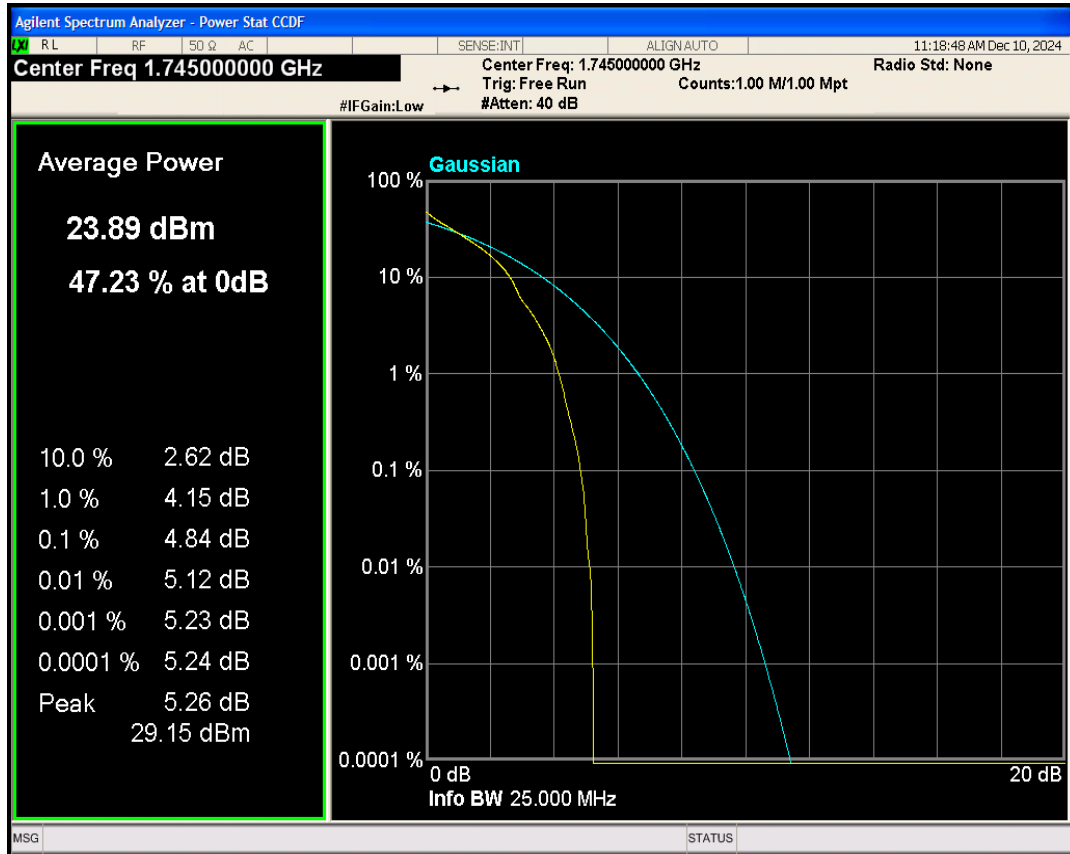
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



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



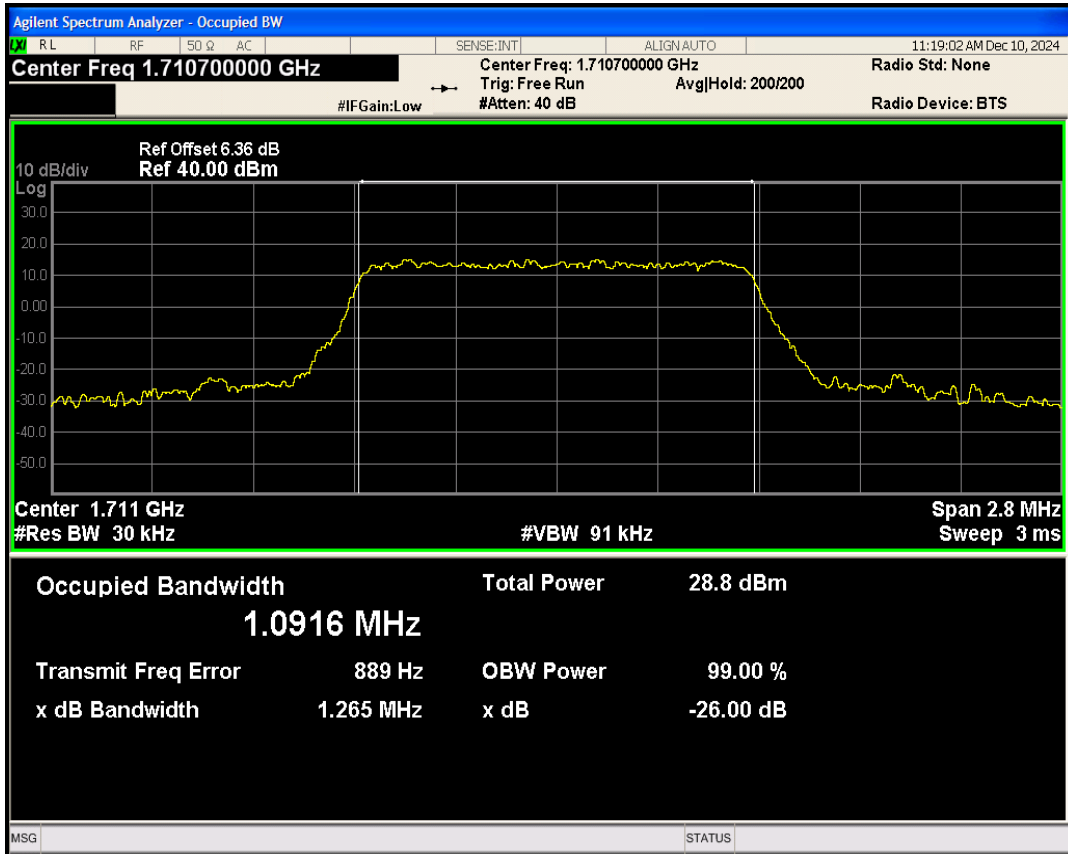
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



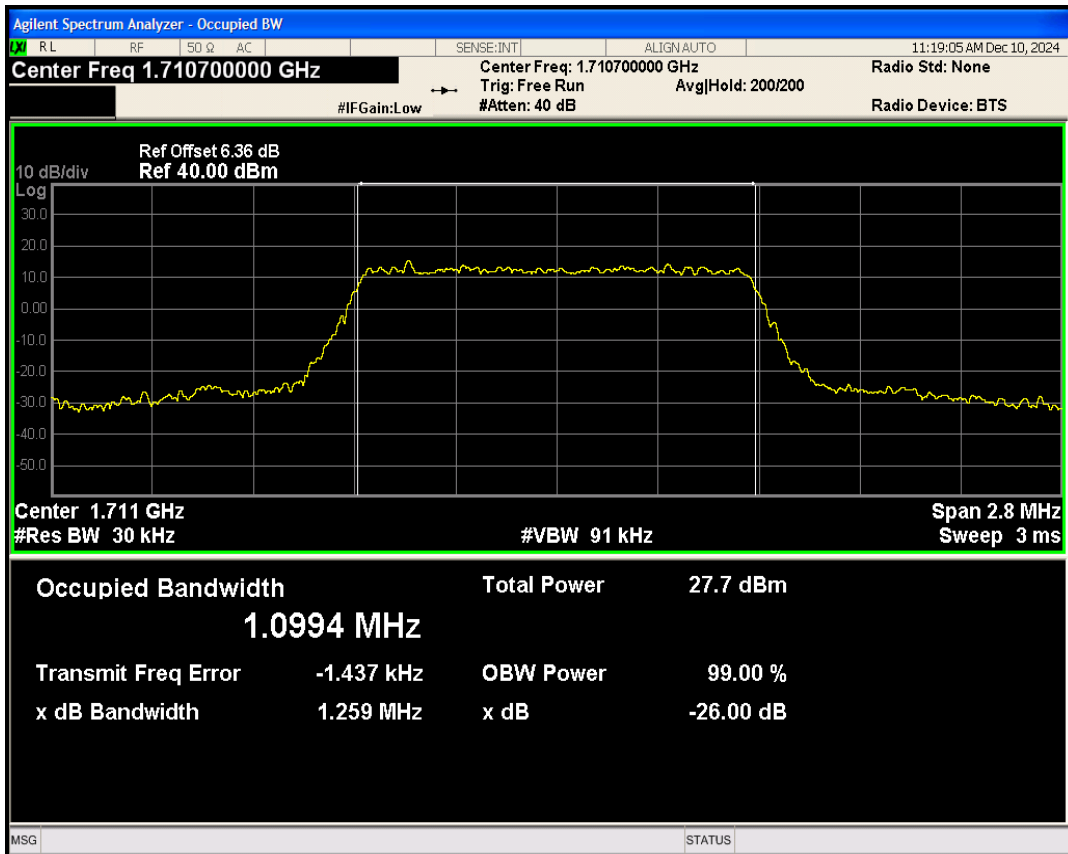
Appendix 4. Occupied bandwidth

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	1.265	PASS
Band4	1.4	19957	6	#0	16QAM	1.099	1.259	PASS
Band4	1.4	20175	6	#0	QPSK	1.088	1.268	PASS
Band4	1.4	20175	6	#0	16QAM	1.099	1.265	PASS
Band4	1.4	20393	6	#0	QPSK	1.096	1.260	PASS
Band4	1.4	20393	6	#0	16QAM	1.097	1.275	PASS
Band4	3	19965	15	#0	QPSK	2.699	2.947	PASS
Band4	3	19965	15	#0	16QAM	2.702	2.947	PASS
Band4	3	20175	15	#0	QPSK	2.695	2.938	PASS
Band4	3	20175	15	#0	16QAM	2.692	2.937	PASS
Band4	3	20385	15	#0	QPSK	2.695	2.938	PASS
Band4	3	20385	15	#0	16QAM	2.688	2.948	PASS
Band4	5	19975	25	#0	QPSK	4.525	4.904	PASS
Band4	5	19975	25	#0	16QAM	4.494	4.889	PASS
Band4	5	20175	25	#0	QPSK	4.508	4.903	PASS
Band4	5	20175	25	#0	16QAM	4.491	4.942	PASS
Band4	5	20375	25	#0	QPSK	4.505	4.893	PASS
Band4	5	20375	25	#0	16QAM	4.512	4.894	PASS
Band4	10	20000	50	#0	QPSK	8.995	9.698	PASS
Band4	10	20175	50	#0	QPSK	8.922	9.648	PASS
Band4	10	20350	50	#0	QPSK	8.950	9.667	PASS
Band4	15	20025	75	#0	QPSK	13.491	14.408	PASS
Band4	15	20175	75	#0	QPSK	13.361	14.343	PASS
Band4	15	20325	75	#0	QPSK	13.429	14.314	PASS
Band4	20	20050	100	#0	QPSK	18.032	19.062	PASS
Band4	20	20175	100	#0	QPSK	17.711	18.959	PASS
Band4	20	20300	100	#0	QPSK	17.854	19.107	PASS

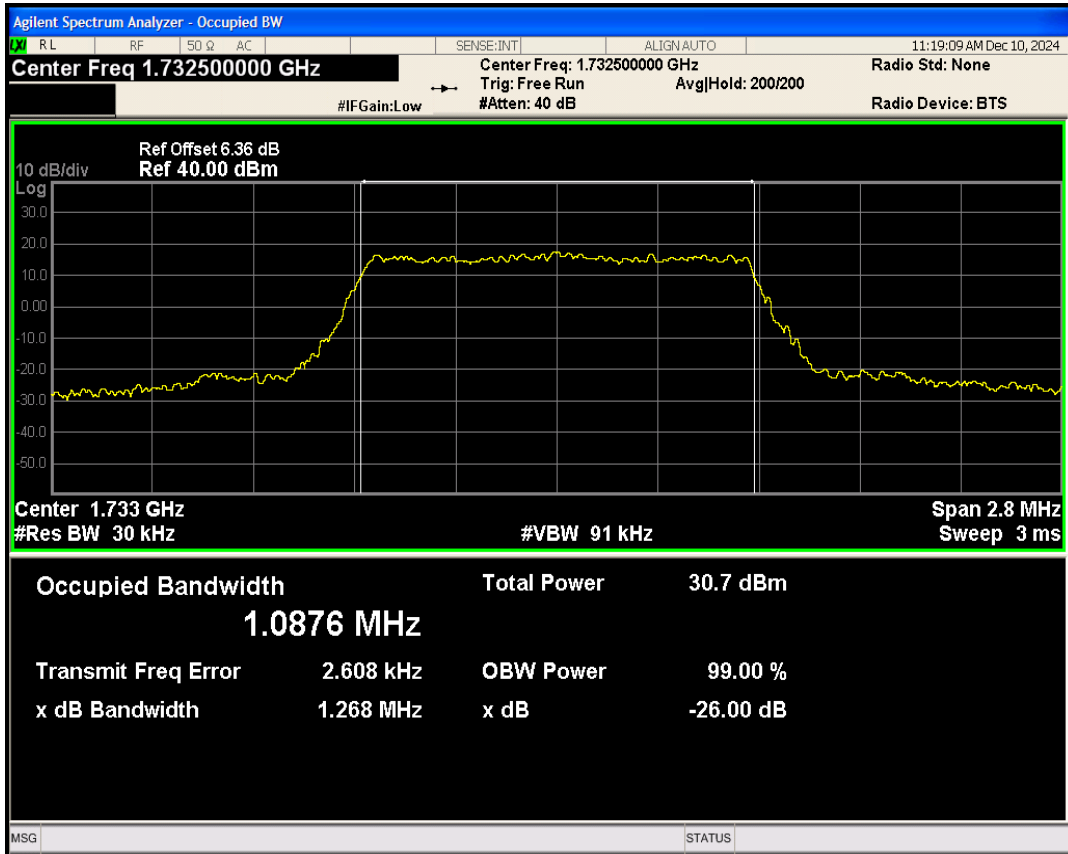
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



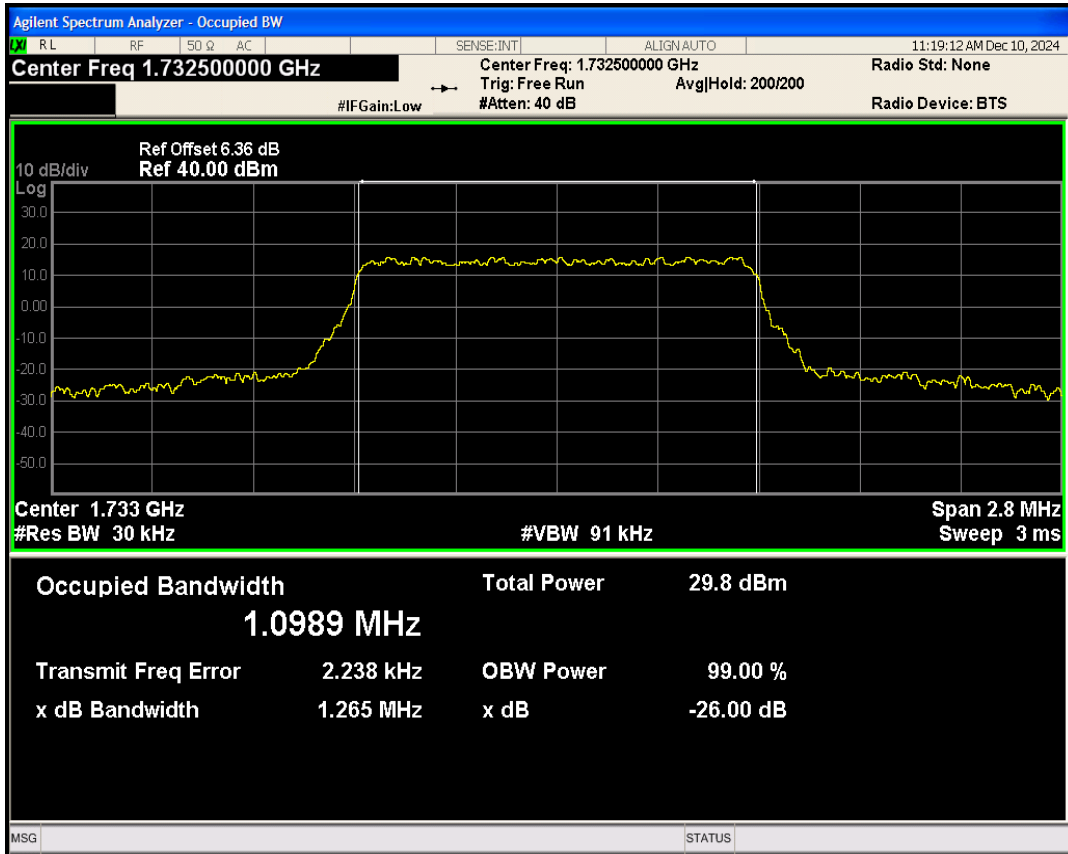
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



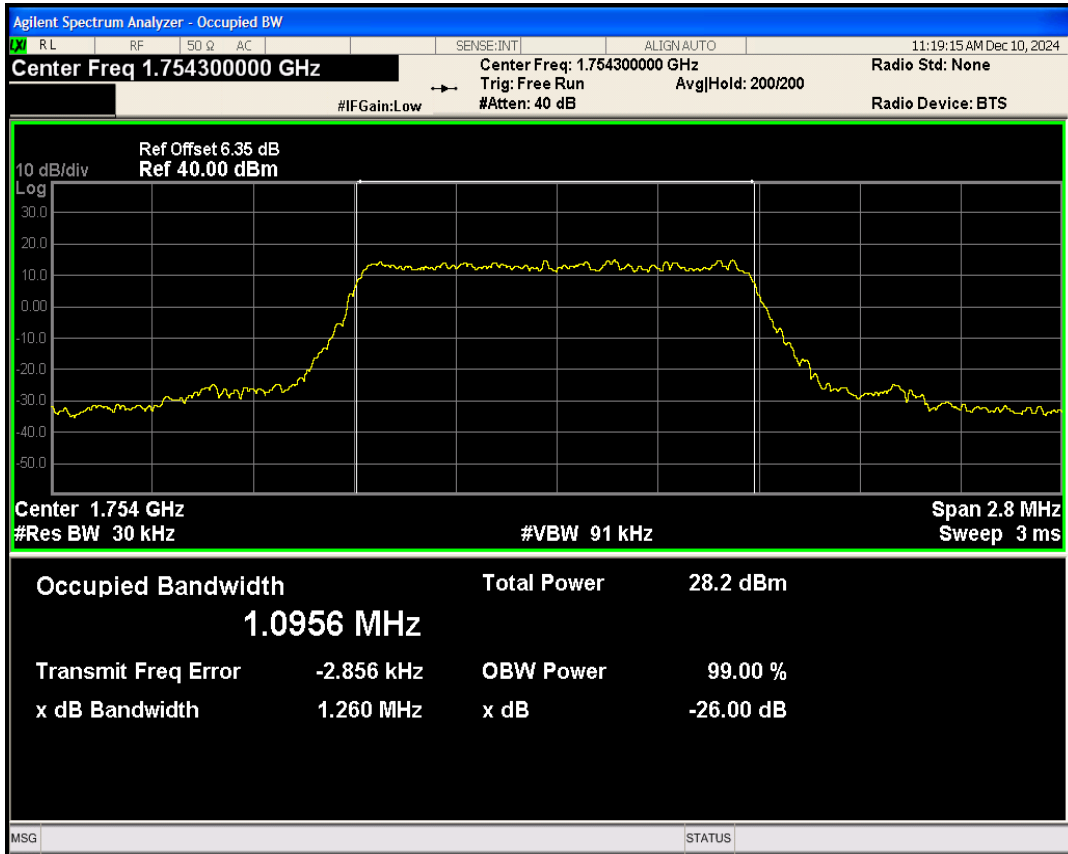
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



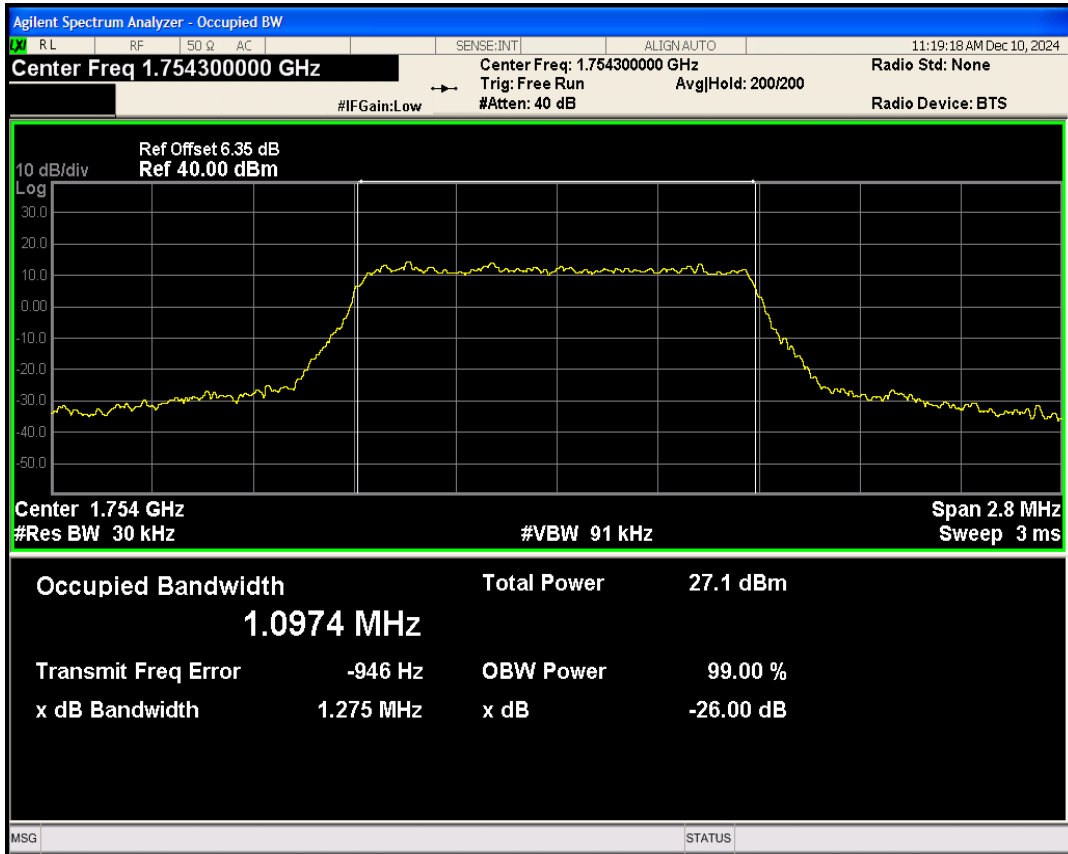
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



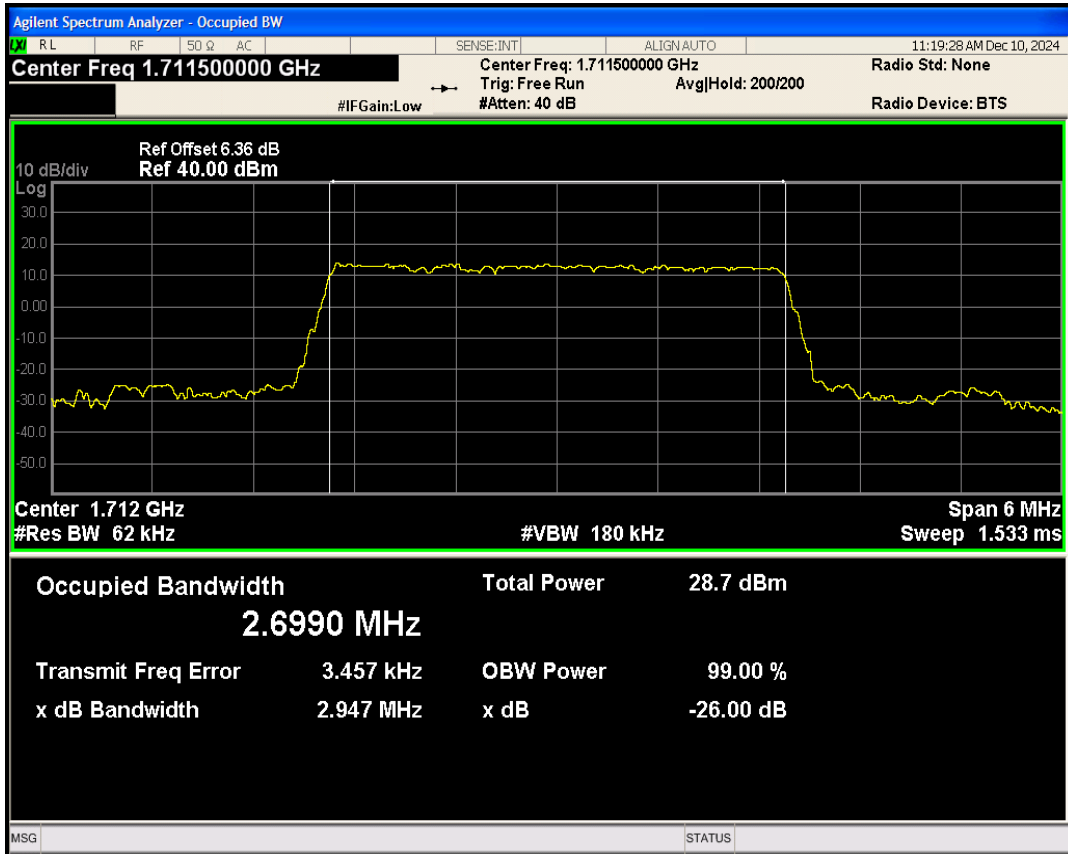
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



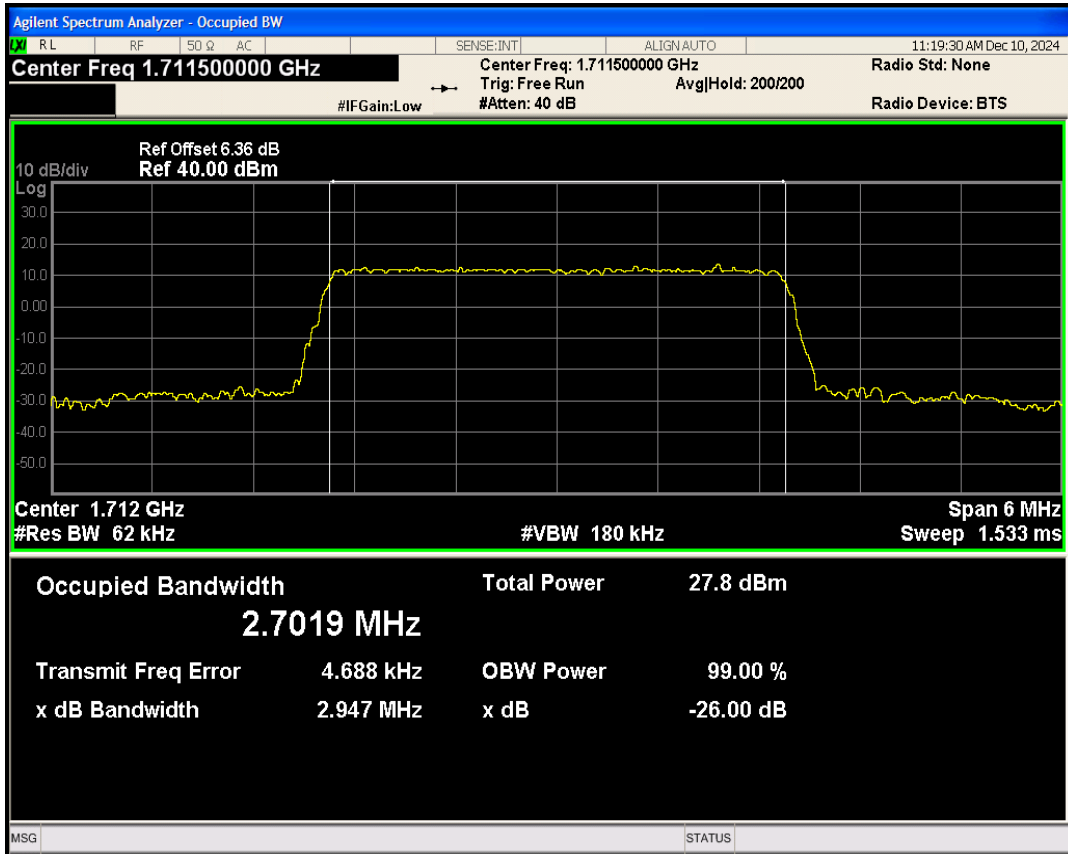
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



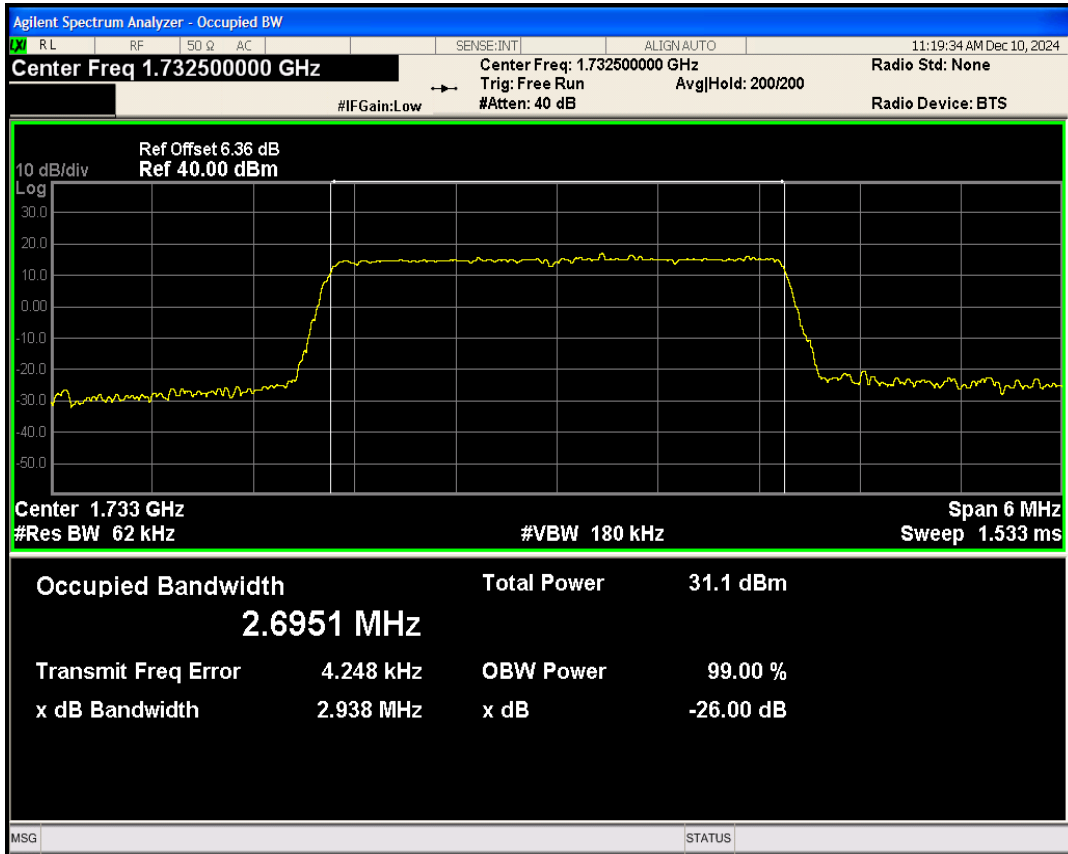
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



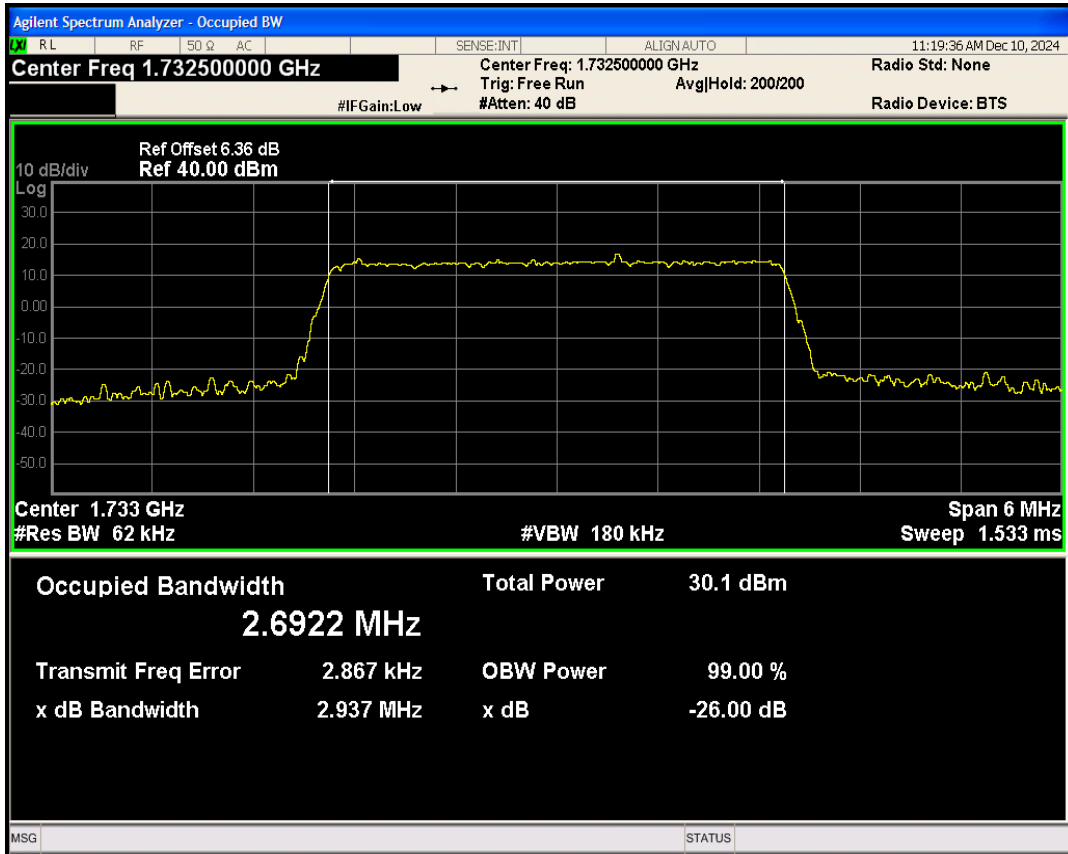
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



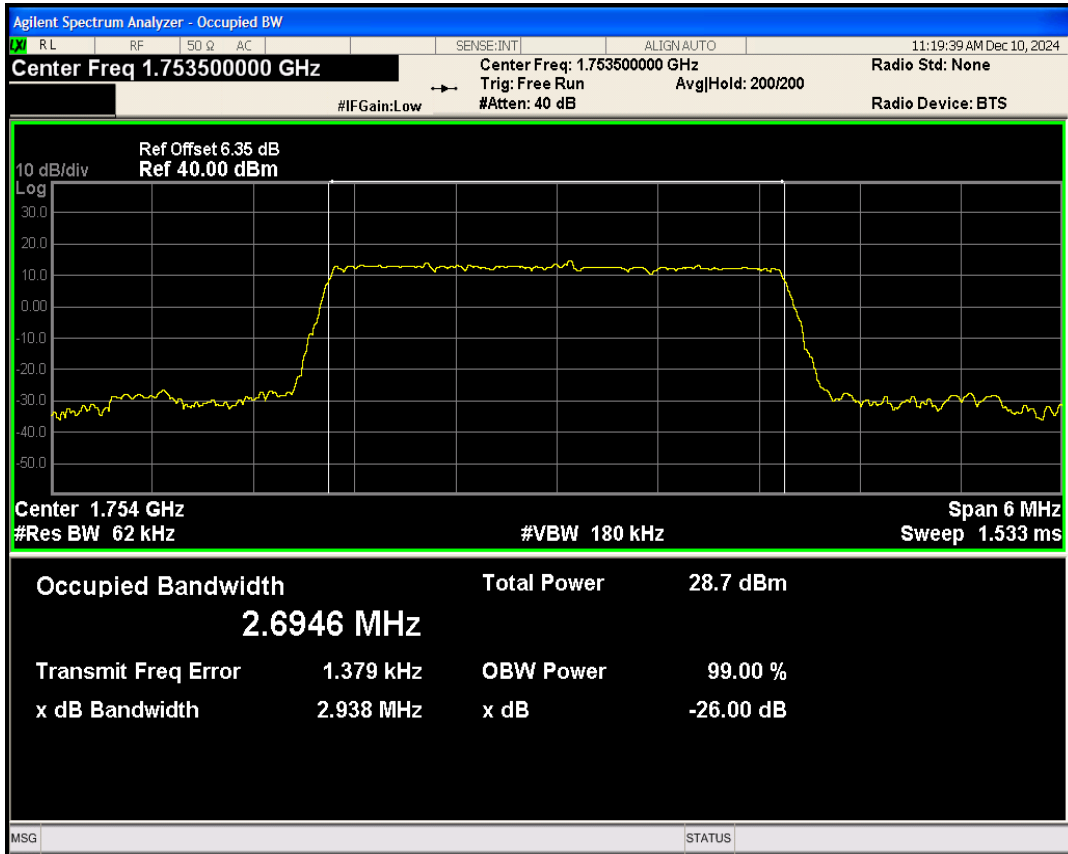
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



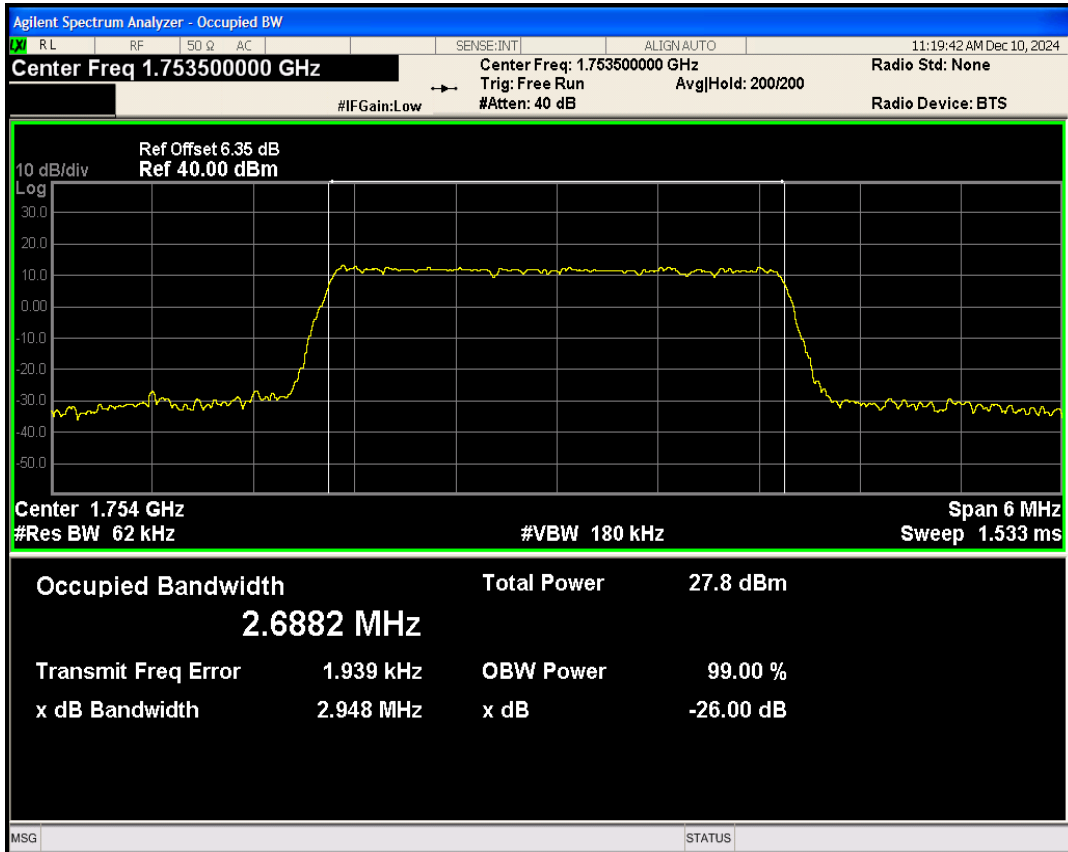
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



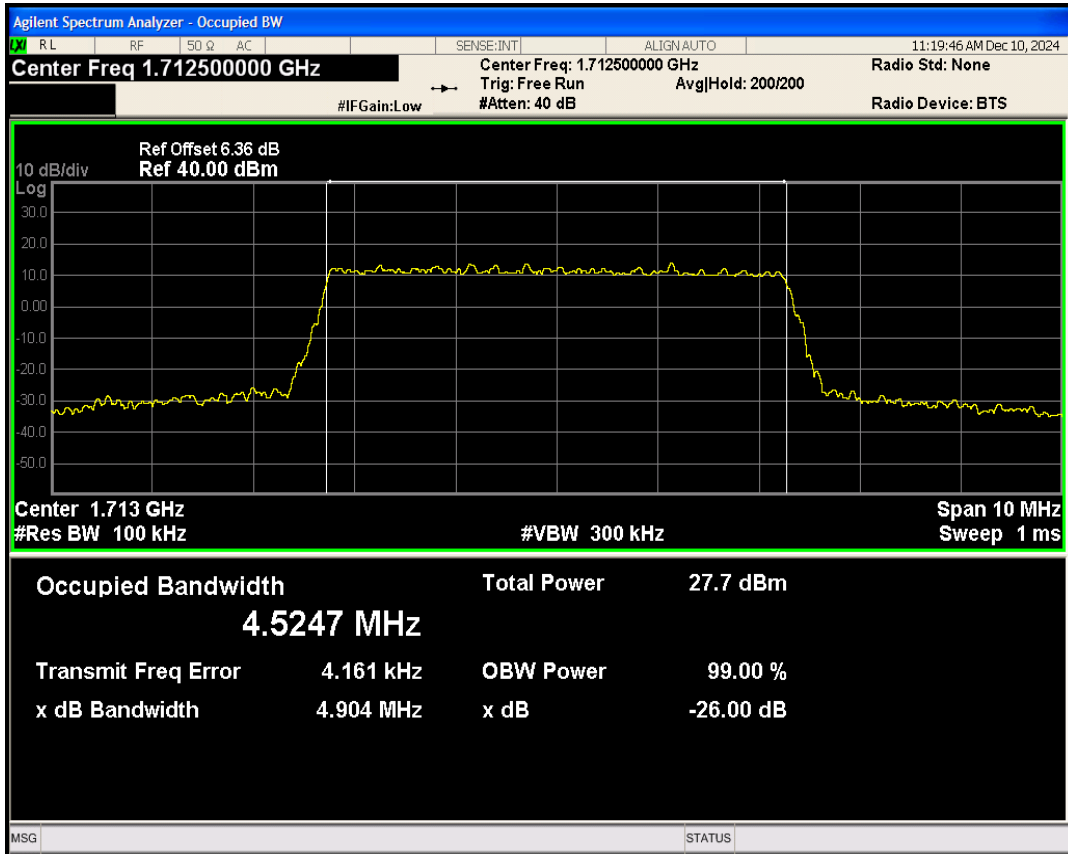
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



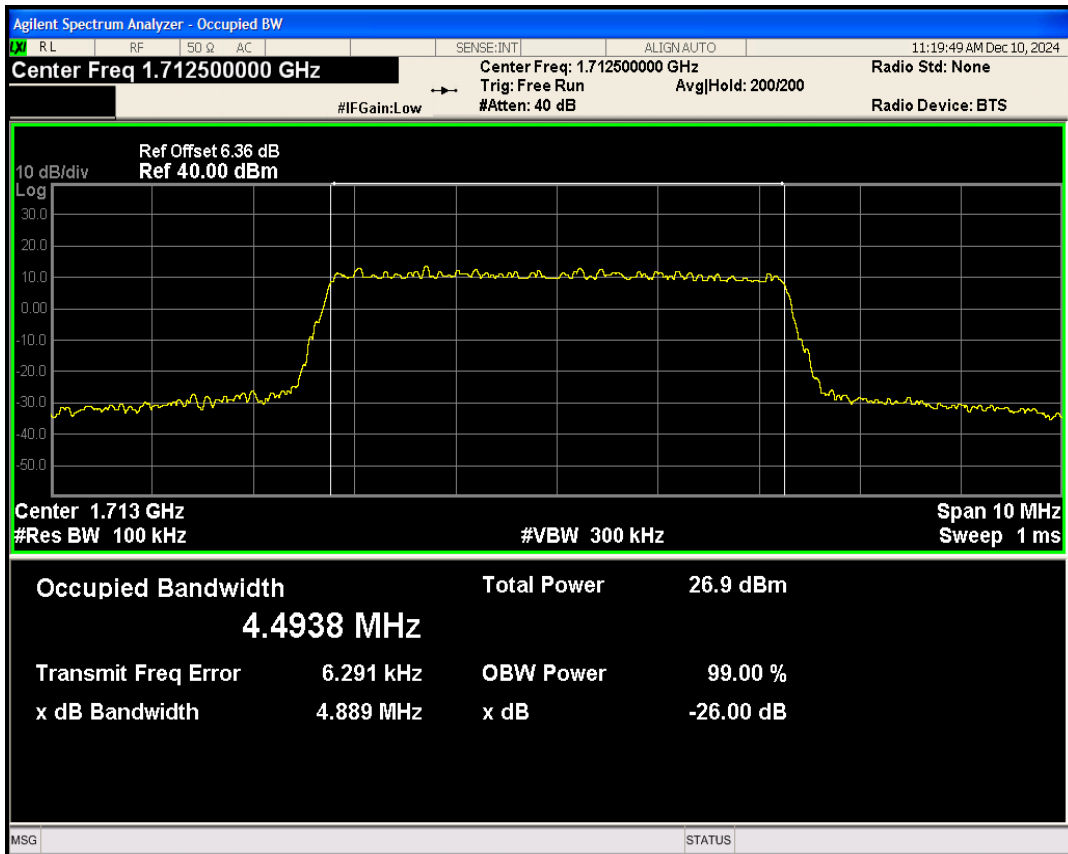
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



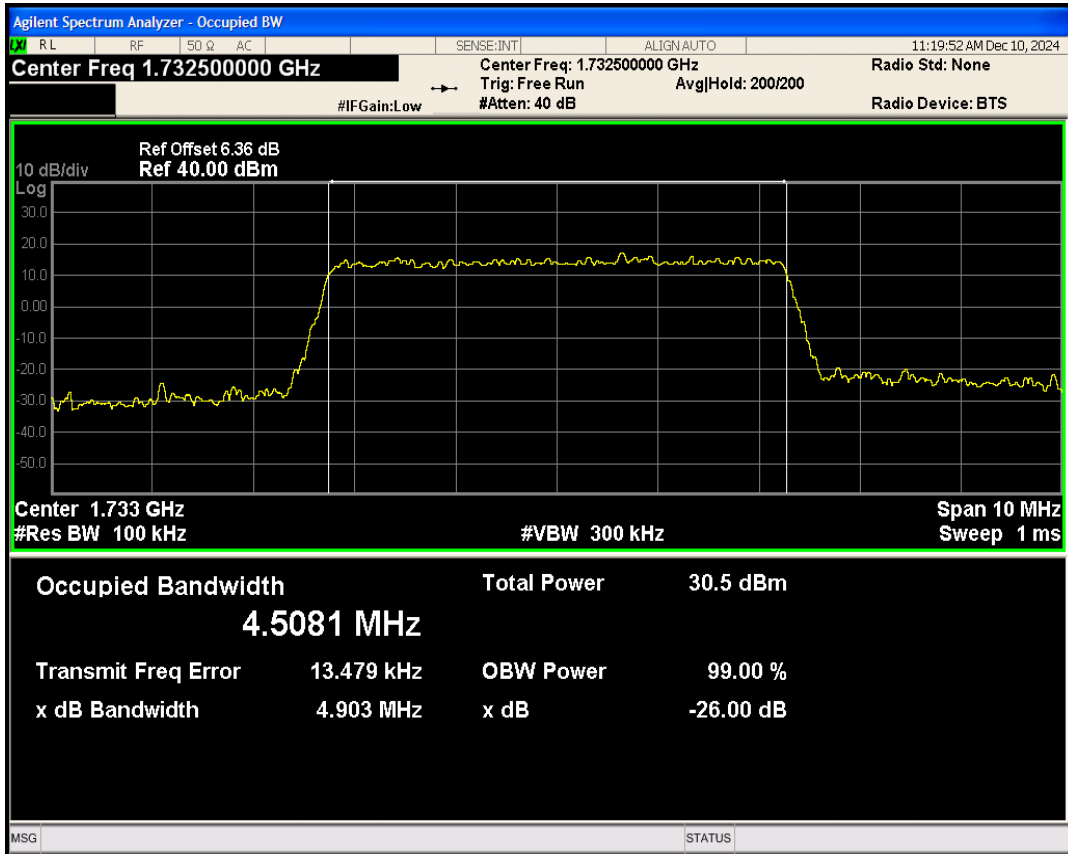
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



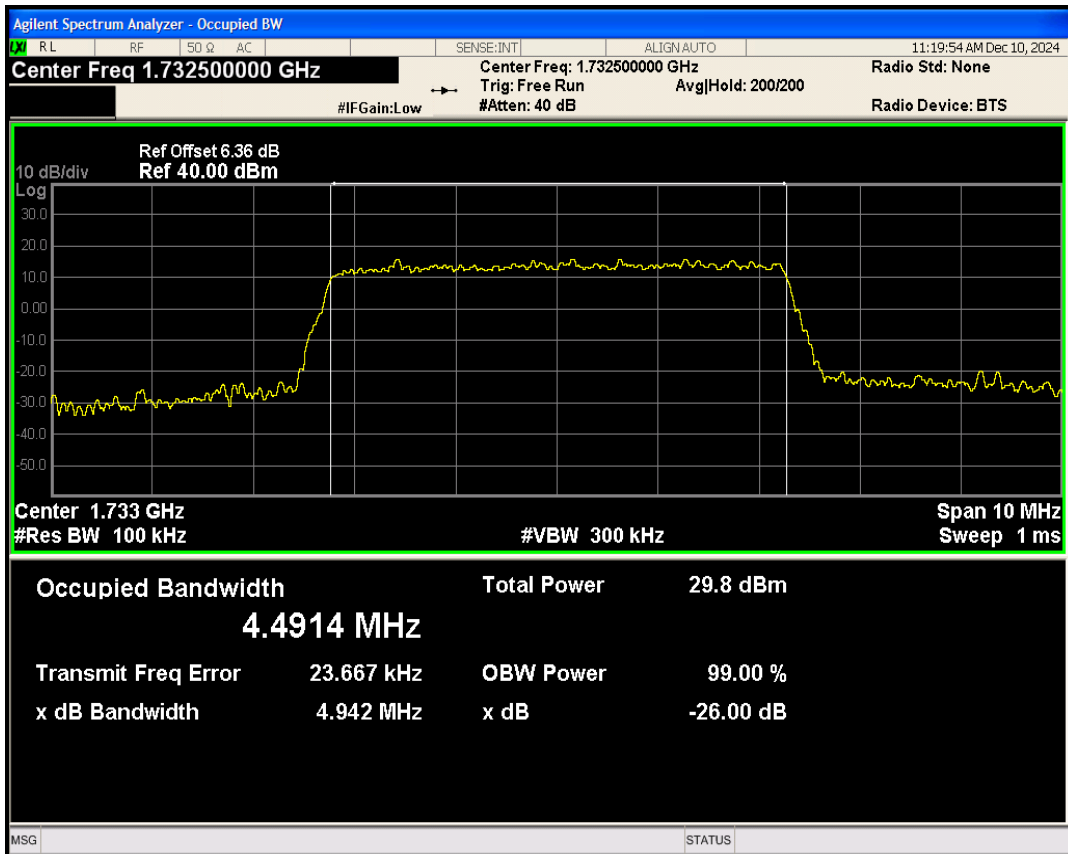
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



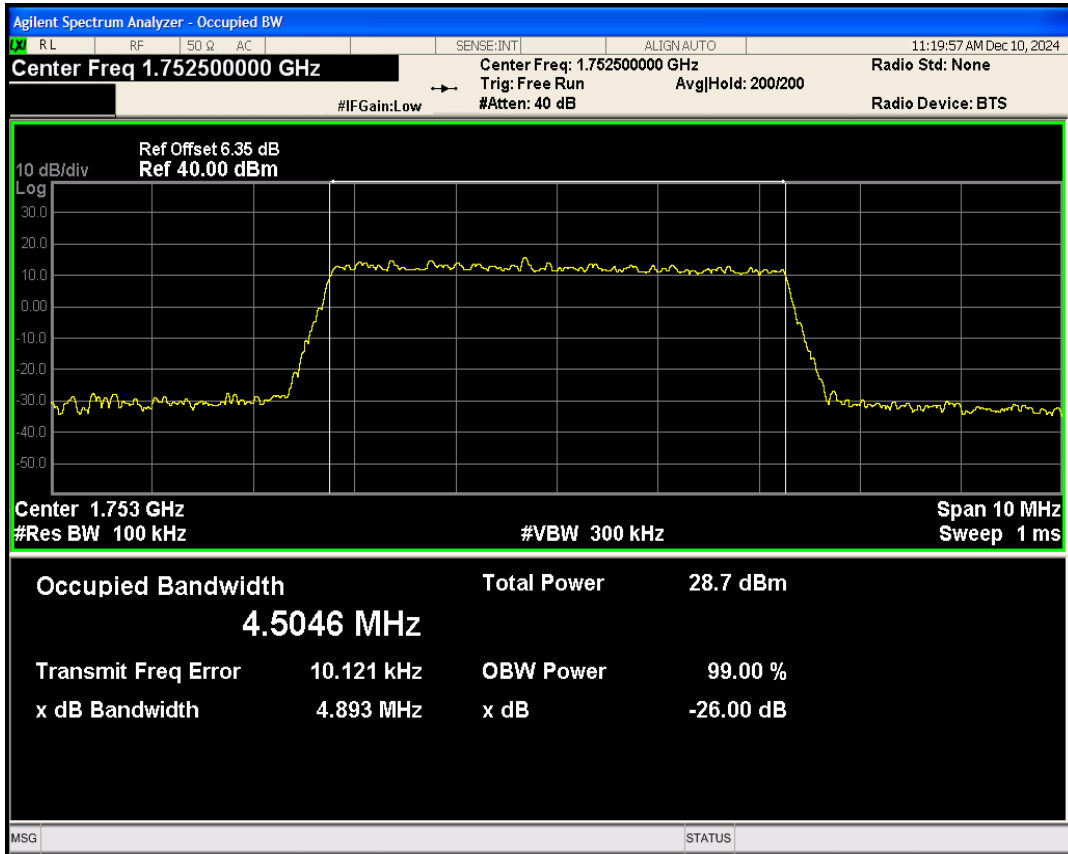
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



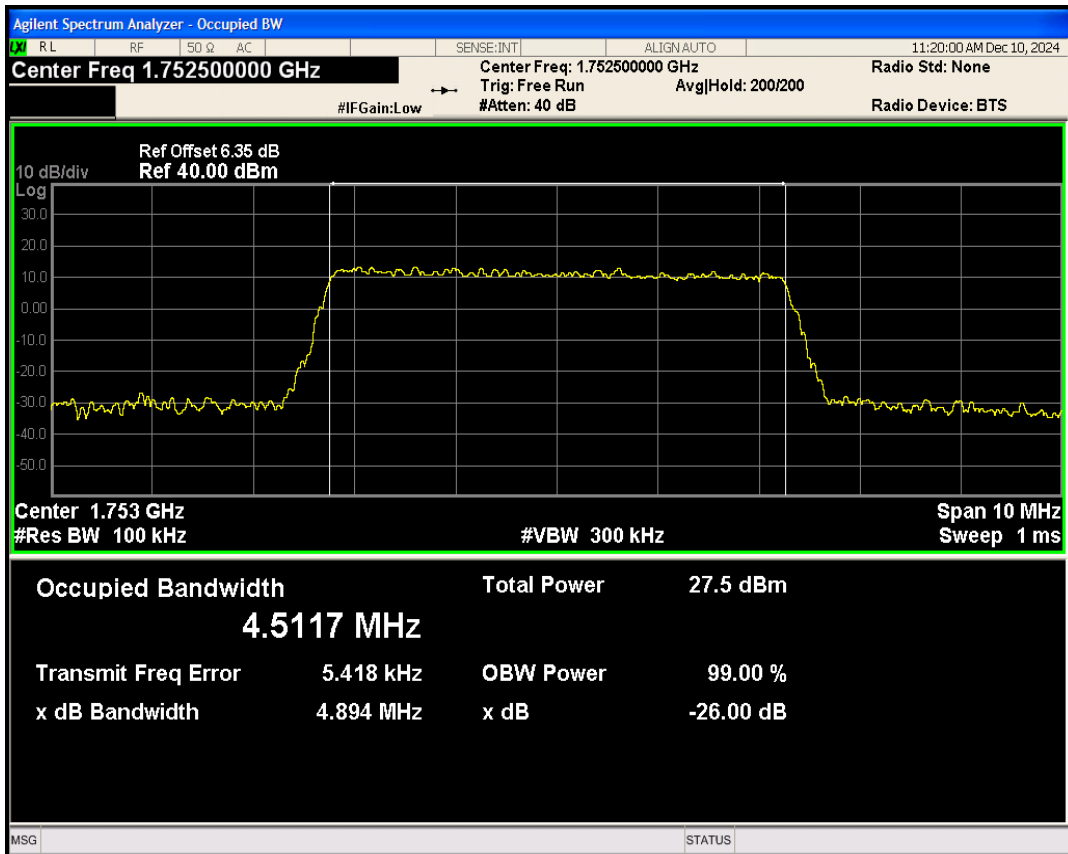
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



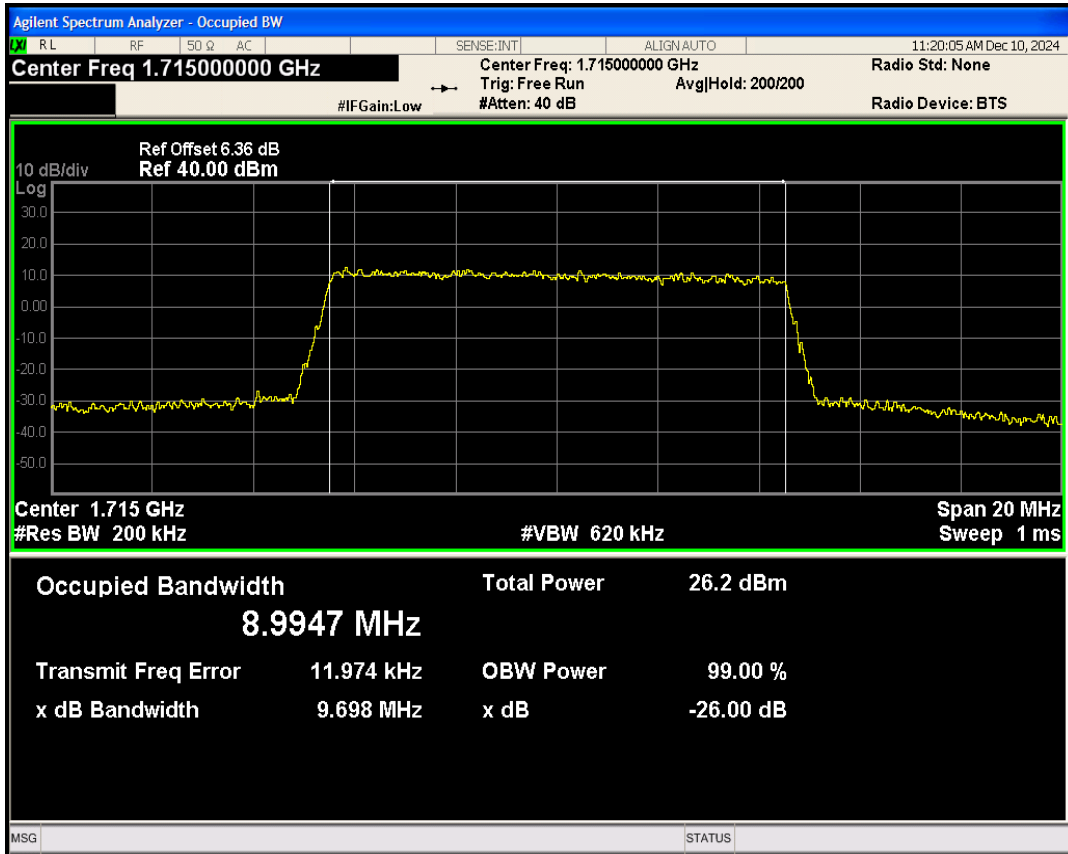
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



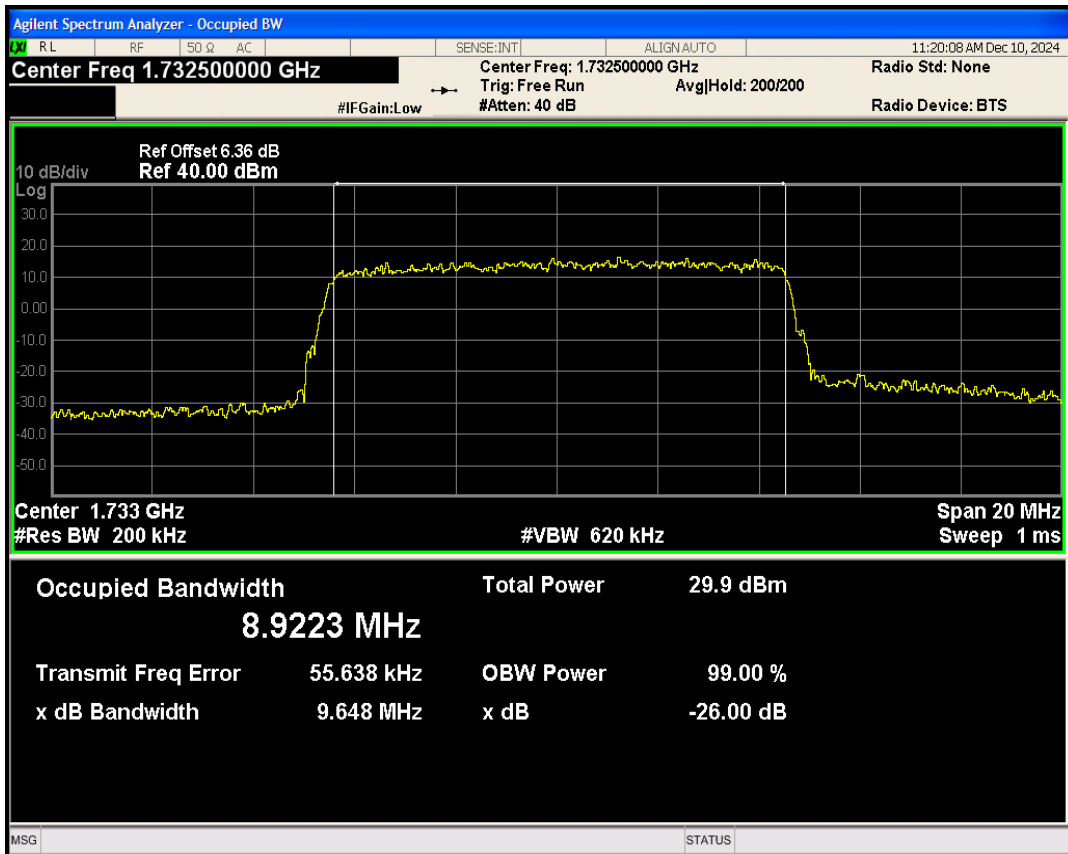
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



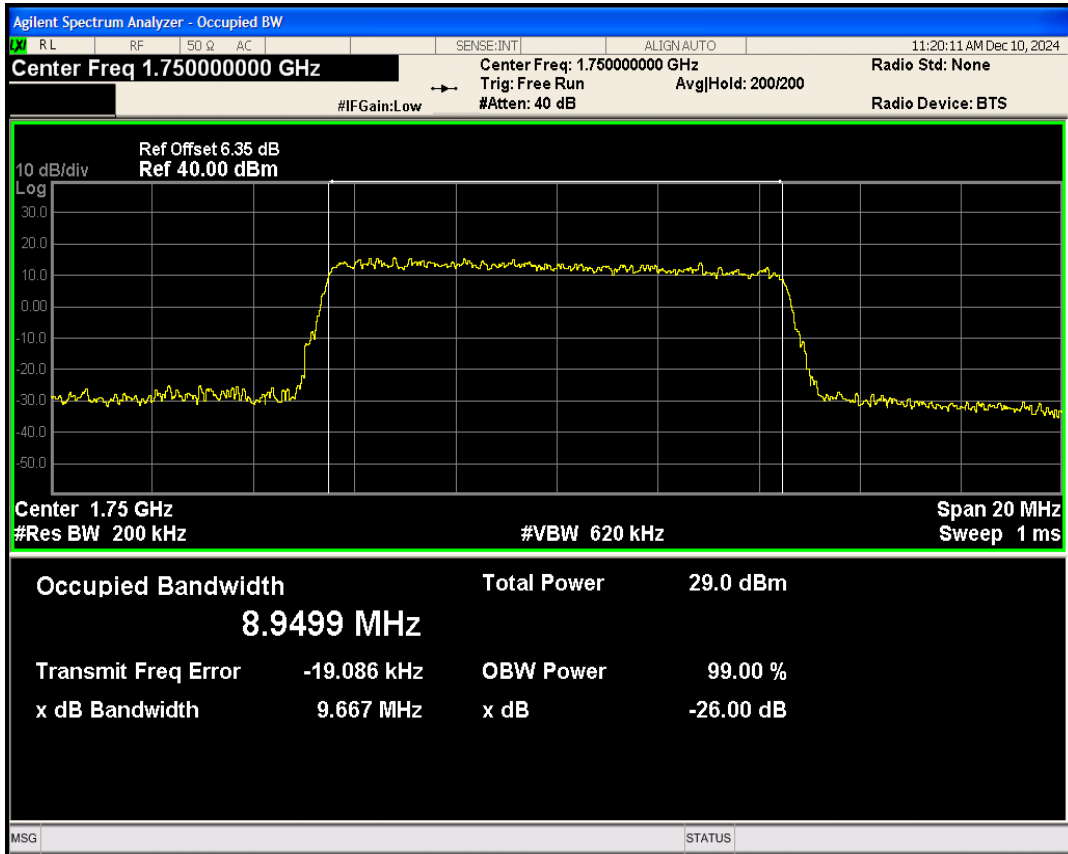
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



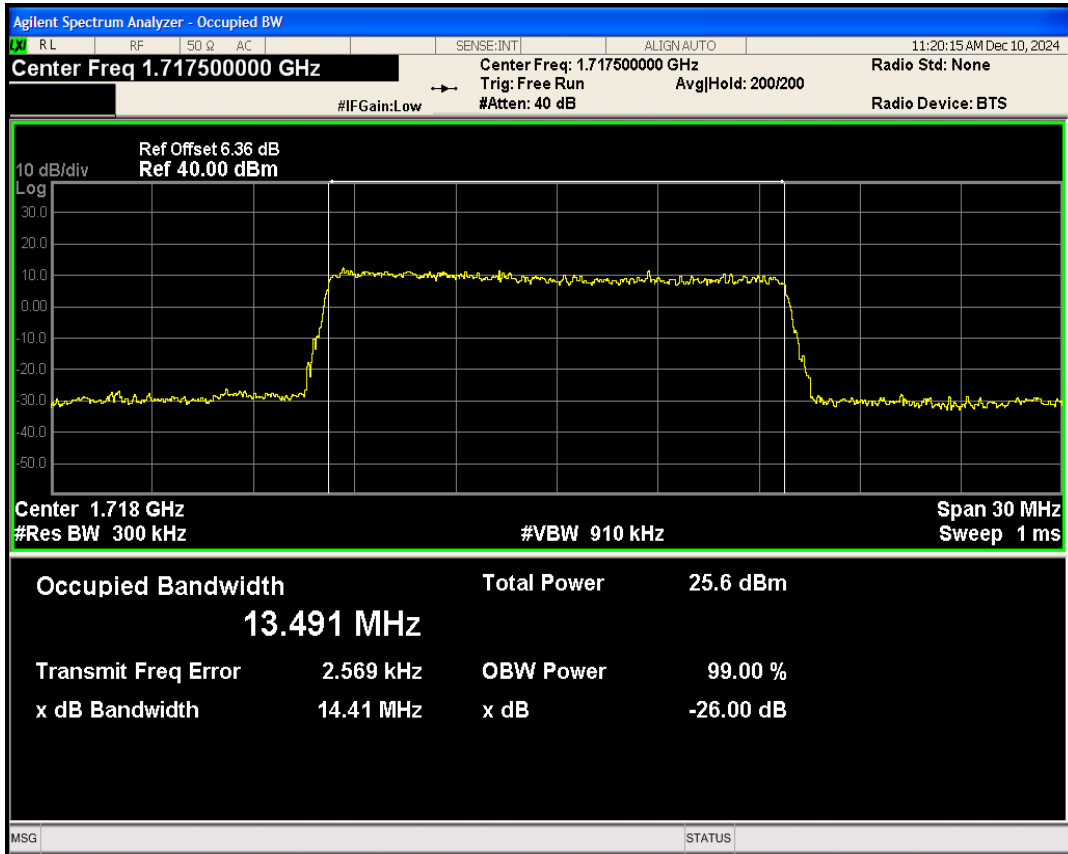
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



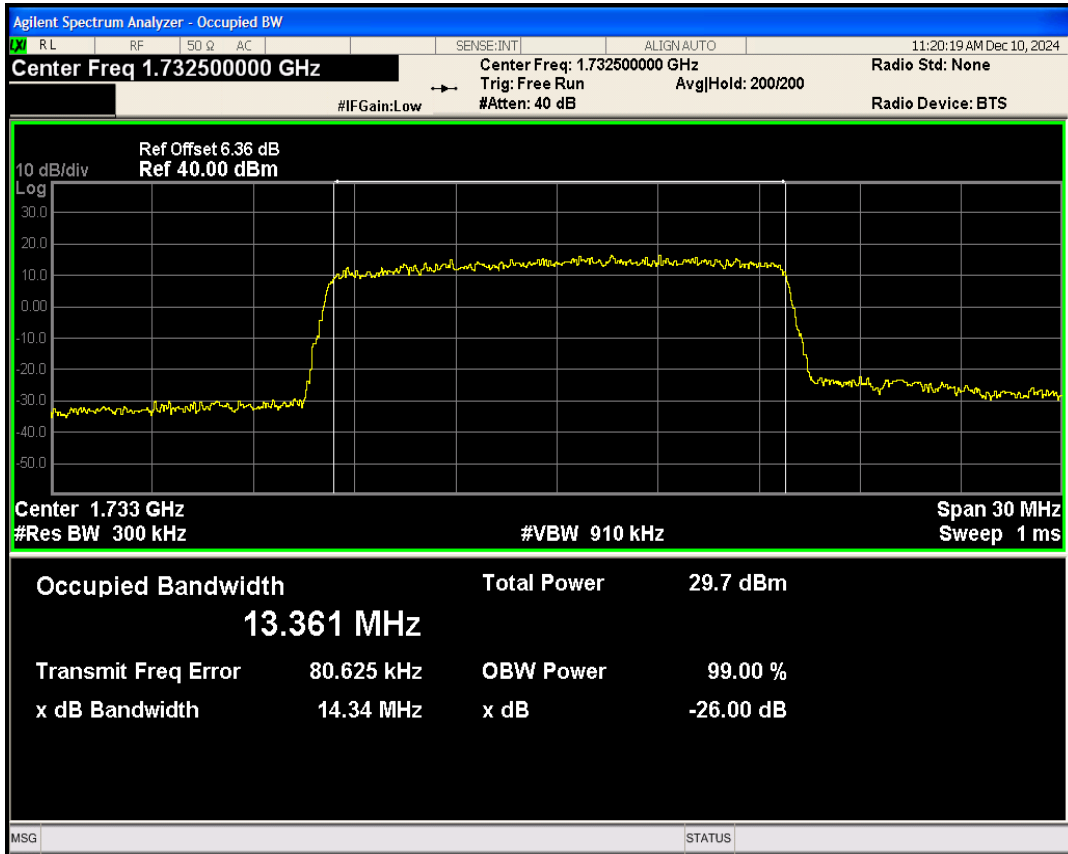
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



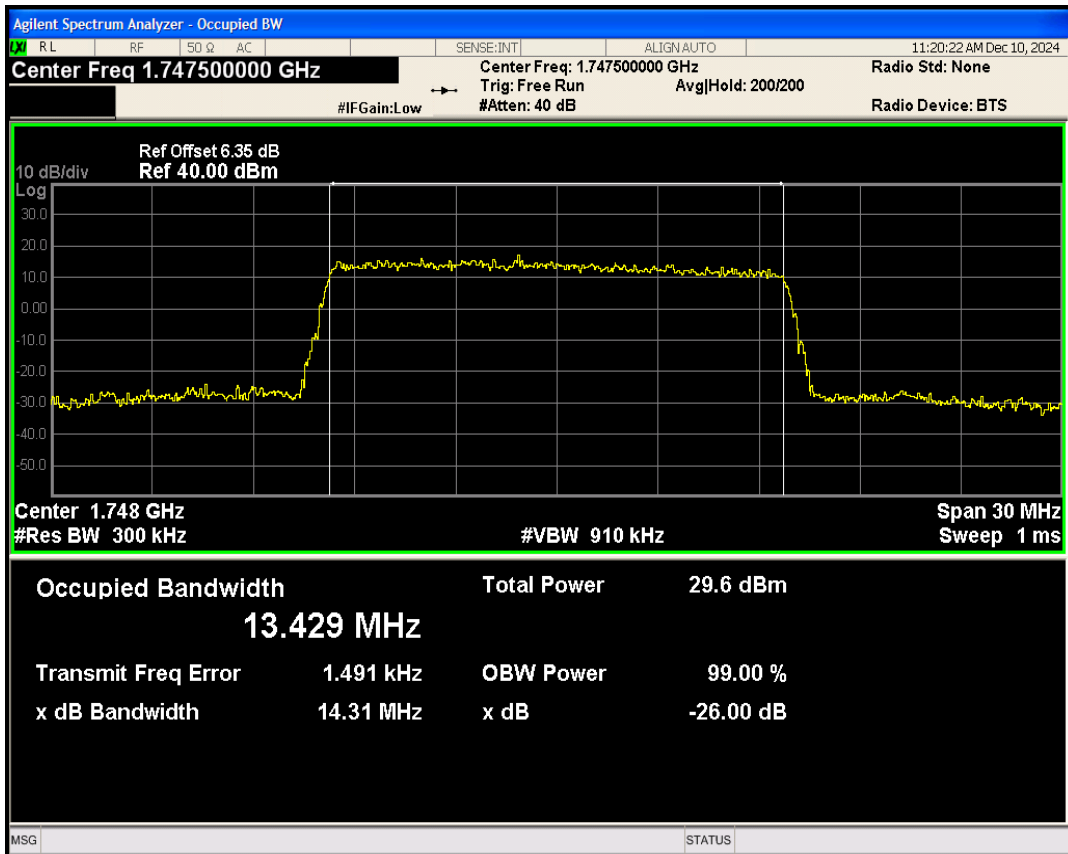
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



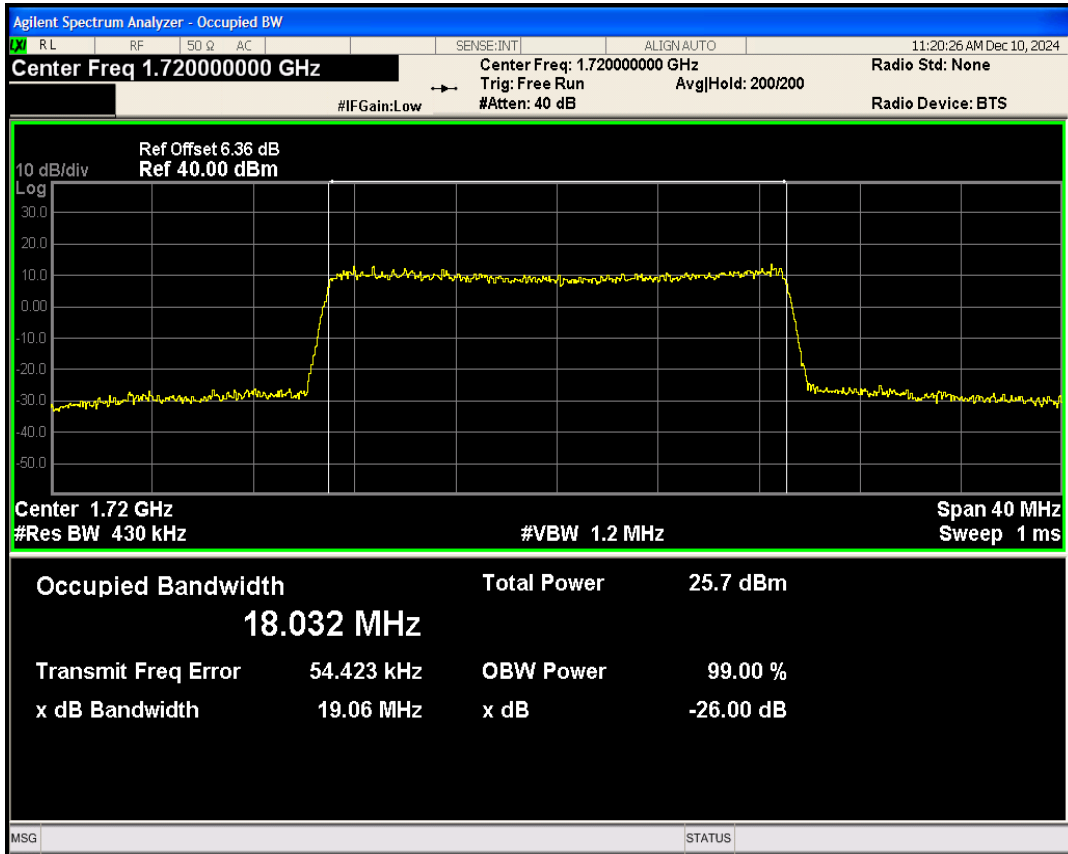
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



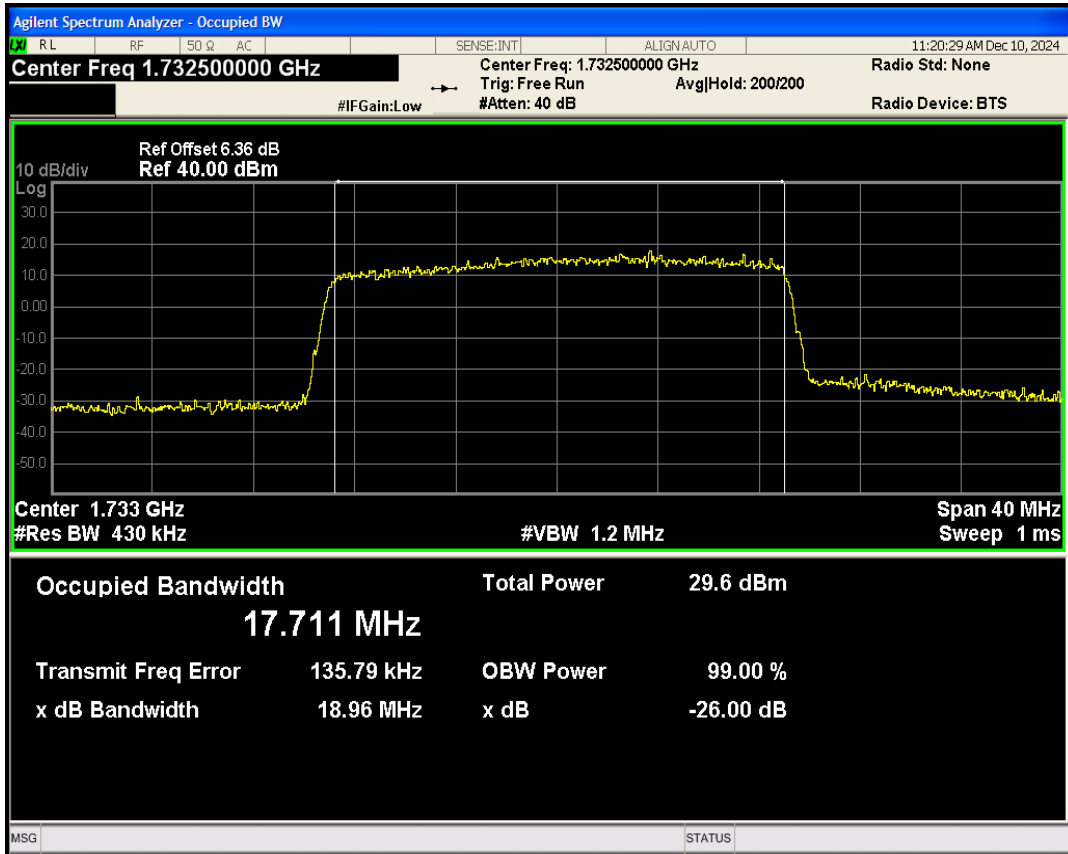
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



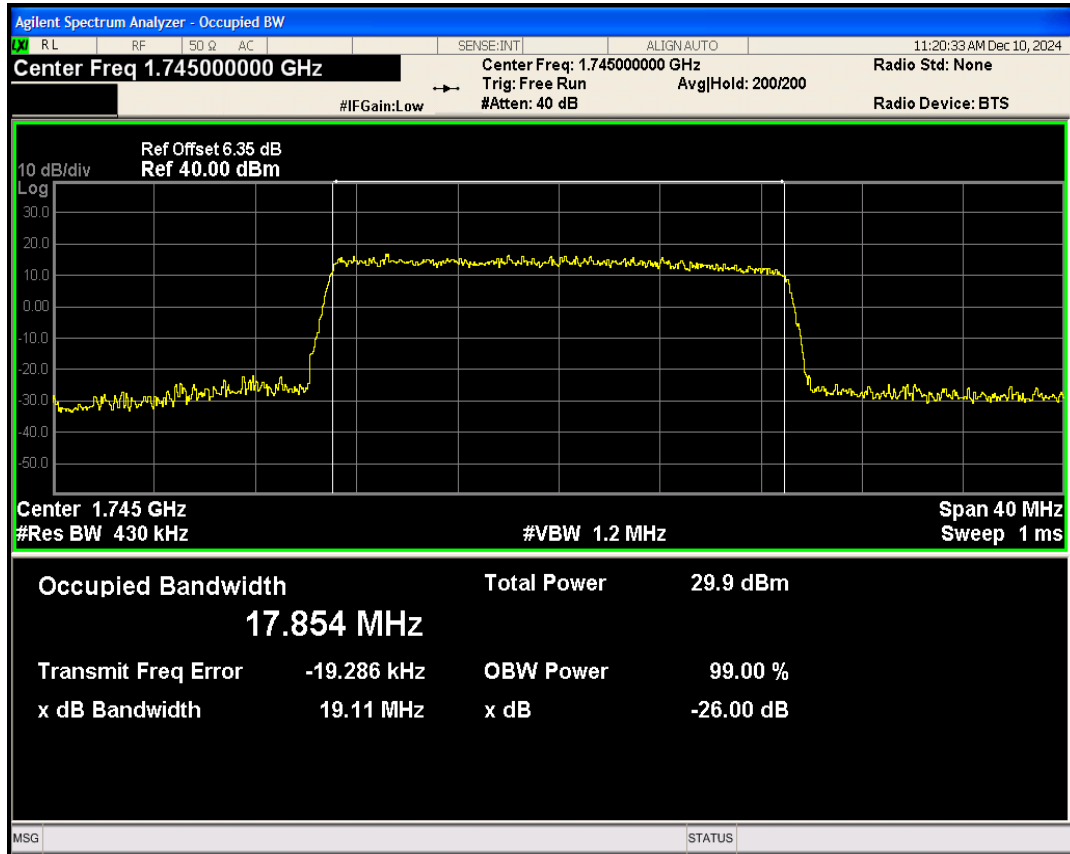
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



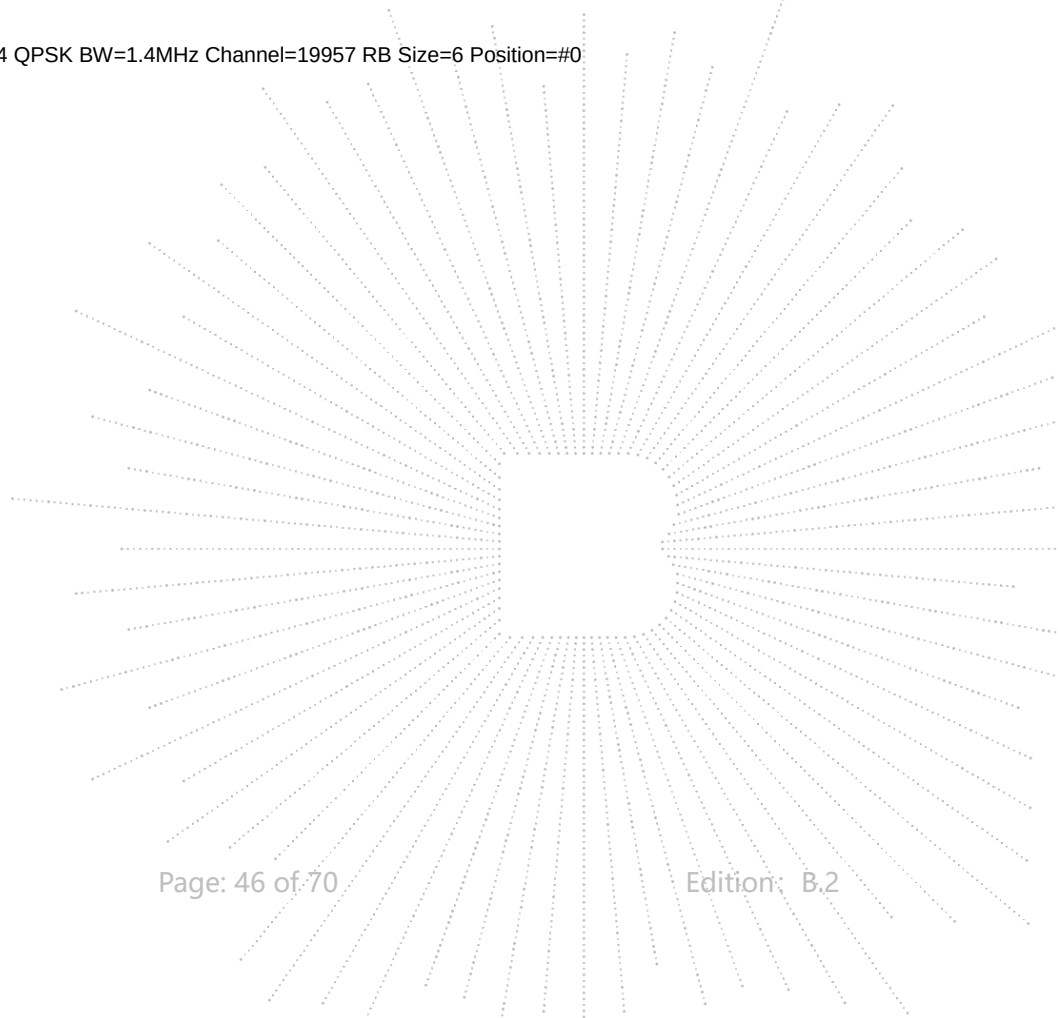
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

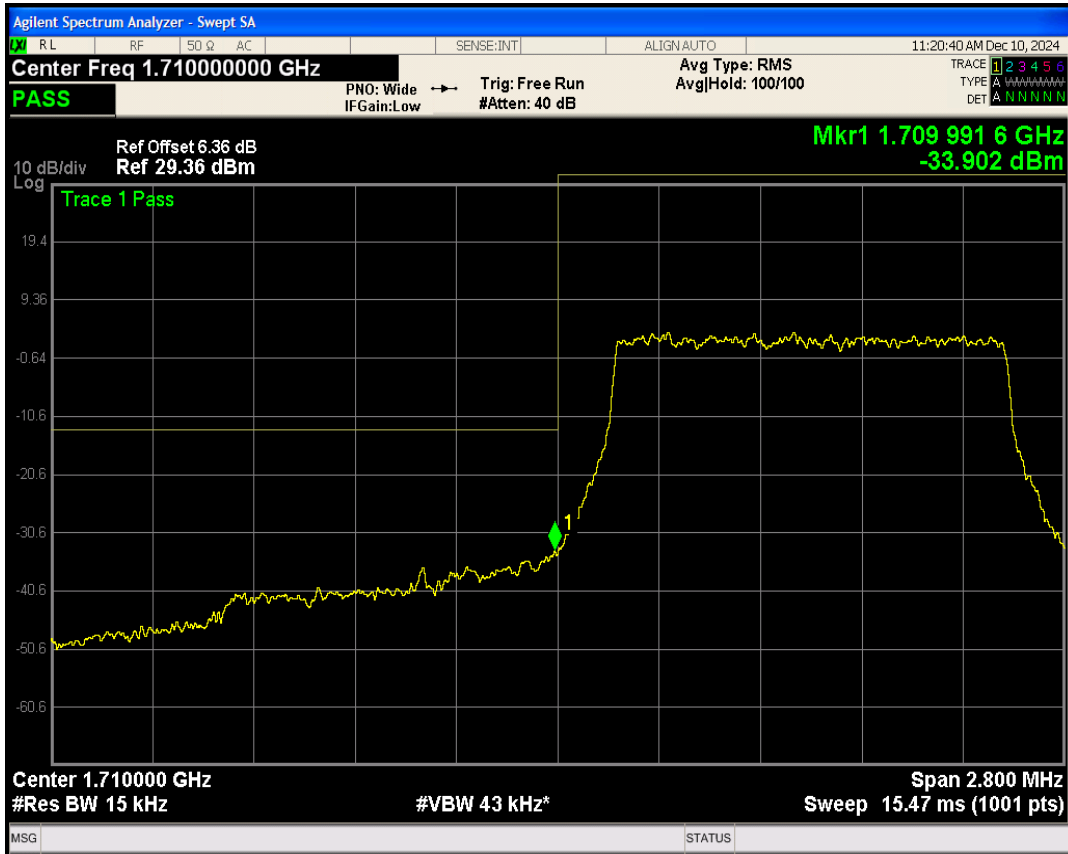


Appendix 5. Band edge

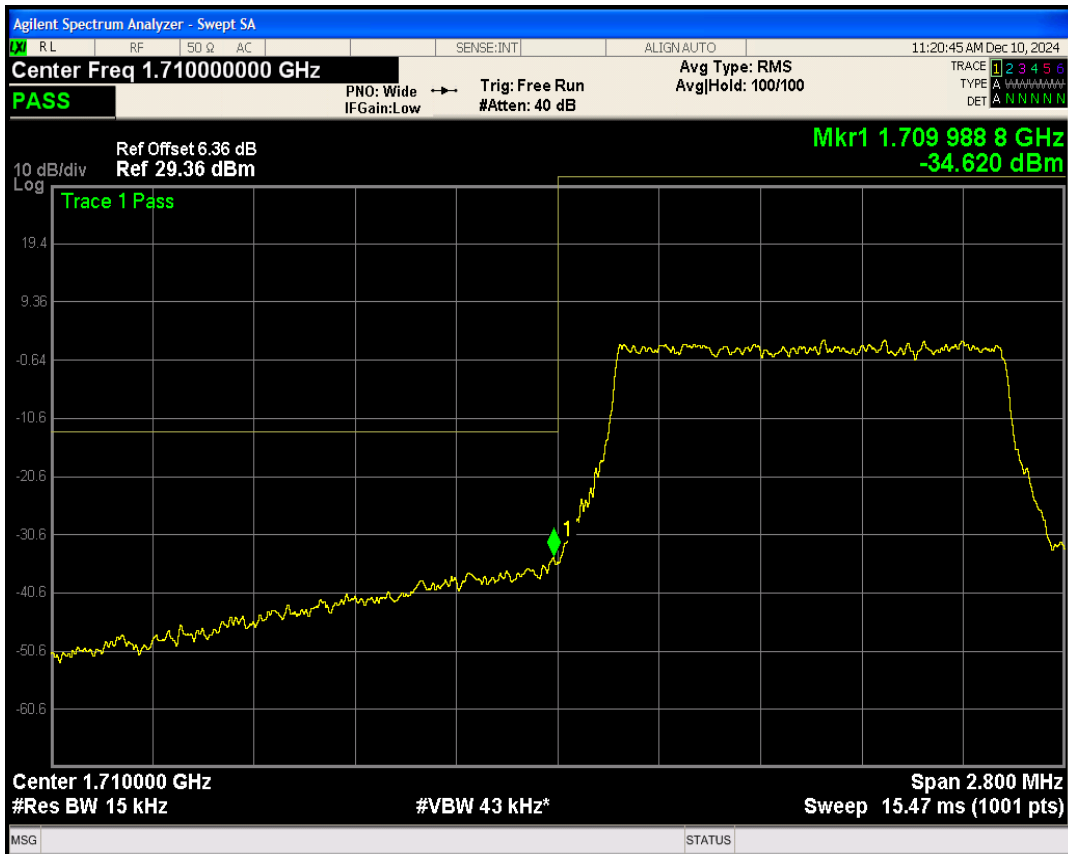
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.99	-33.90	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-34.61	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-33.73	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-34.26	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-32.39	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-34.38	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-34.27	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-35.96	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-32.31	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-33.15	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-34.15	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-34.99	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.96	-38.42	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-38.31	-13	PASS
Band4	15	20025	75	#0	QPSK	1707.84	-37.31	-13	PASS
Band4	15	20325	75	#0	QPSK	1757.70	-37.75	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.84	-38.75	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.36	-37.88	-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



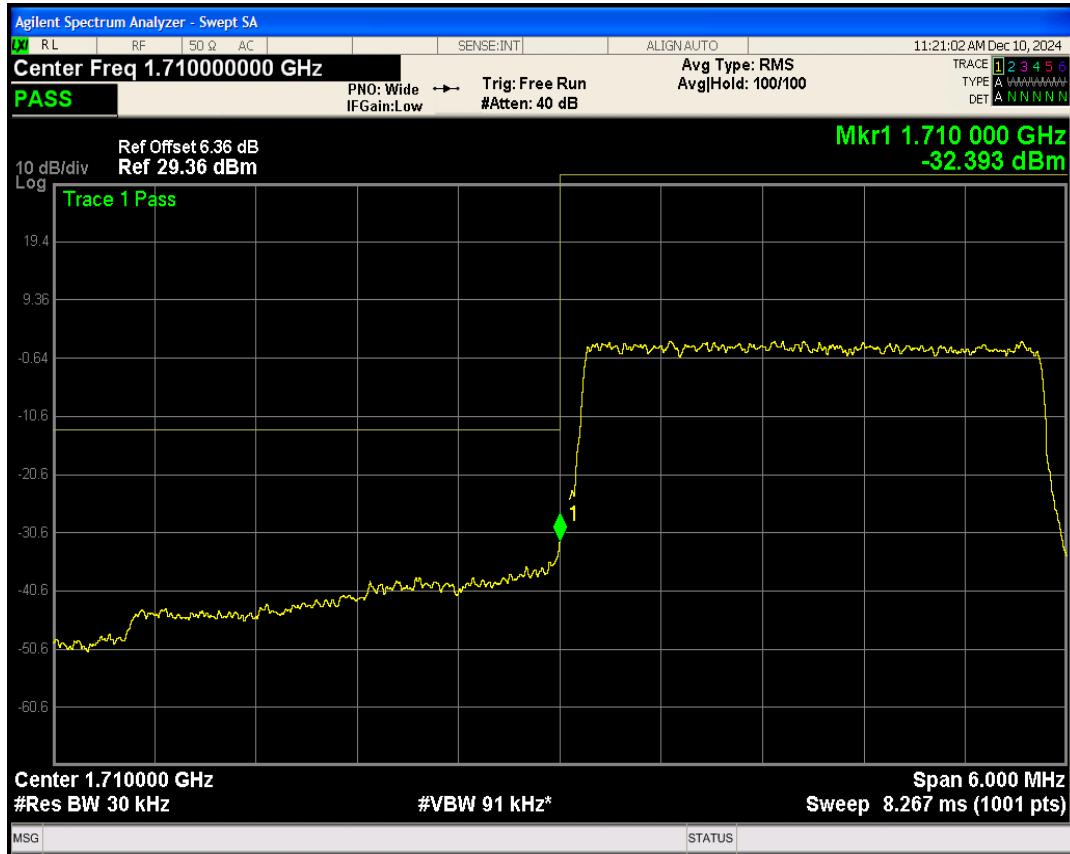
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



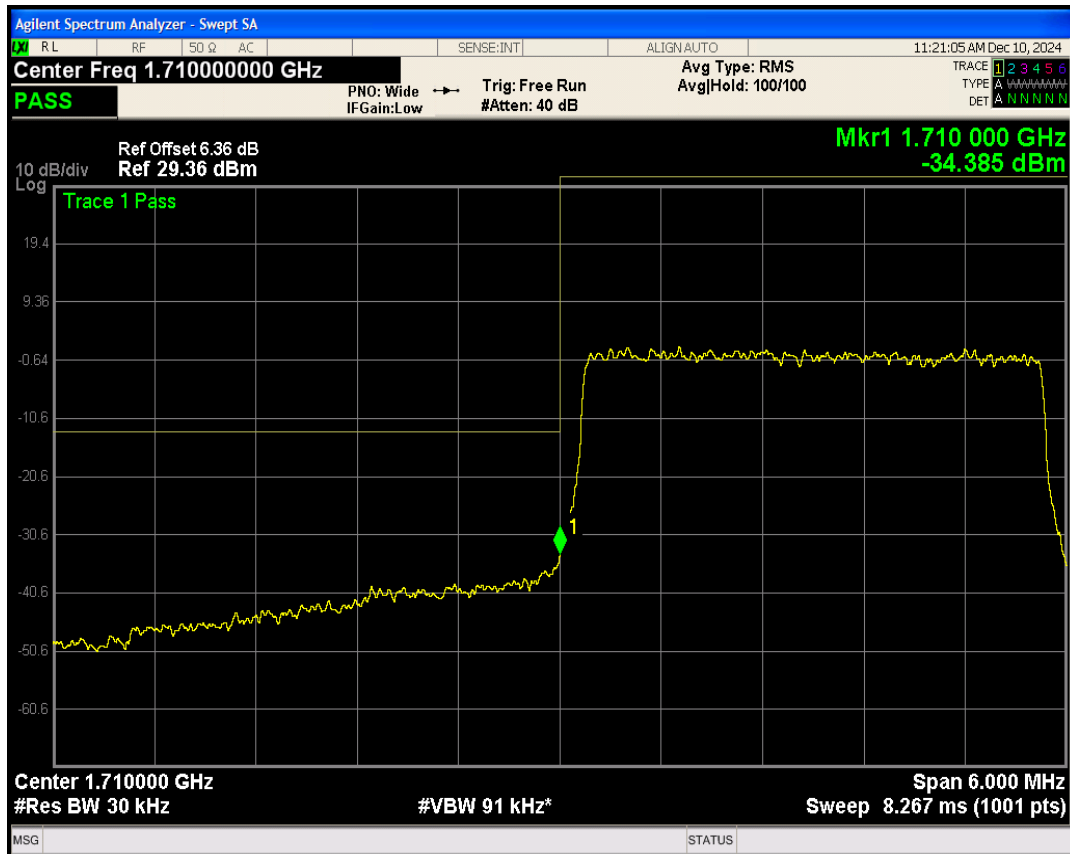
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



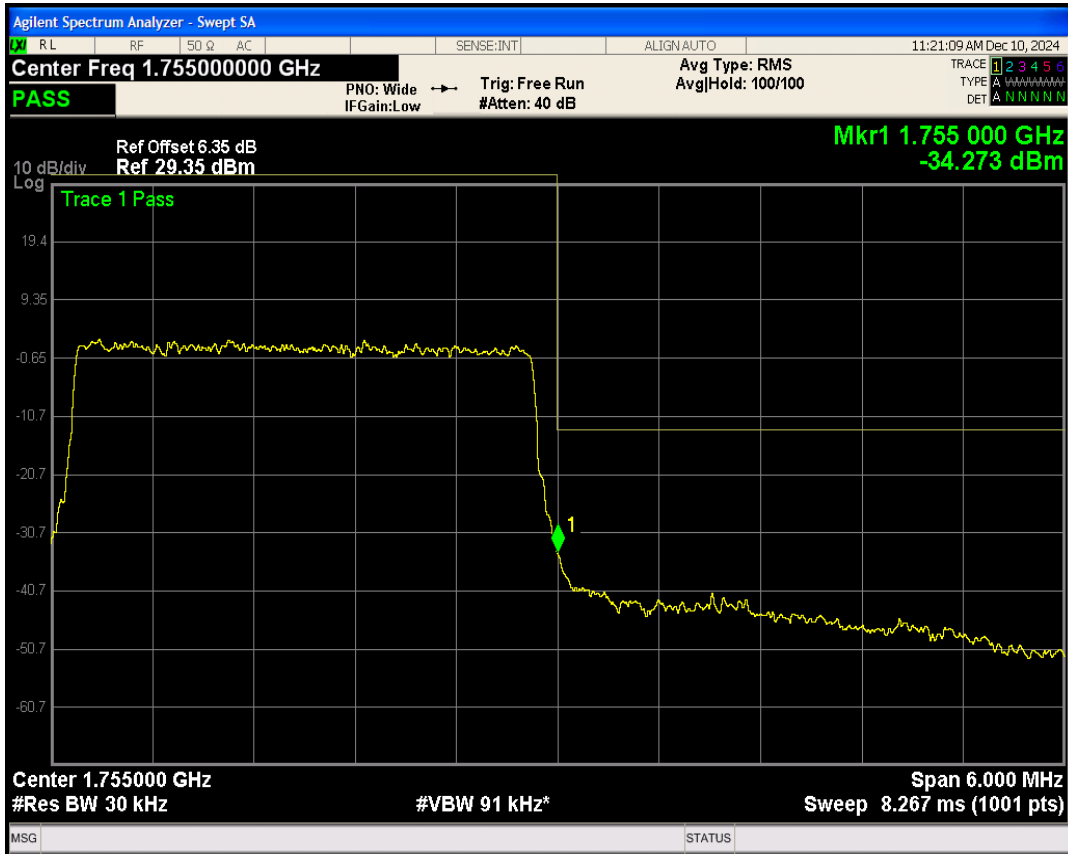
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



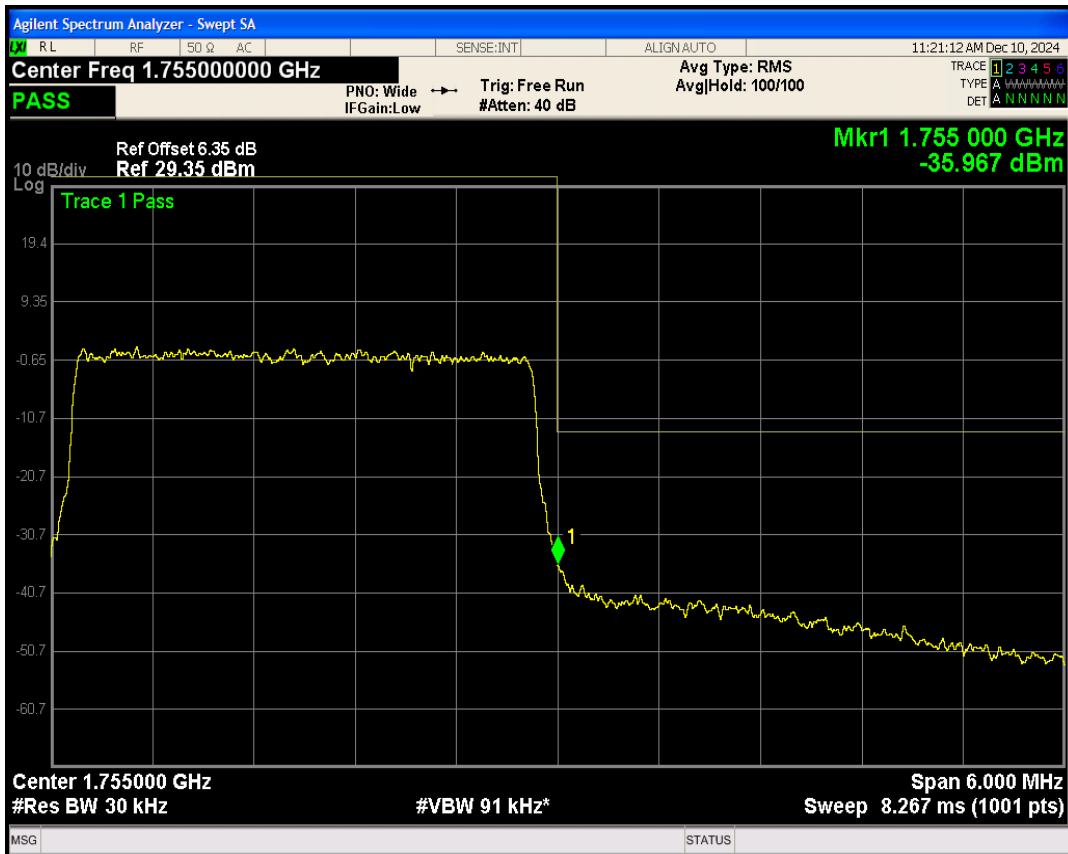
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



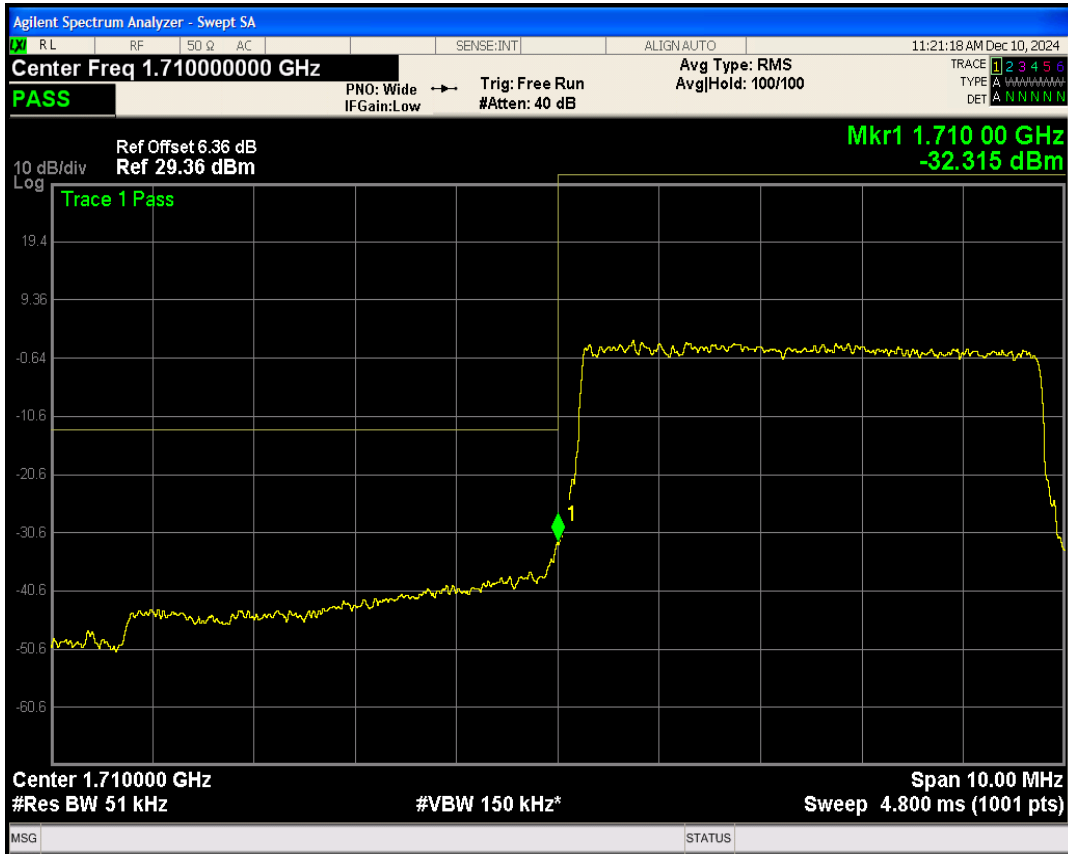
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



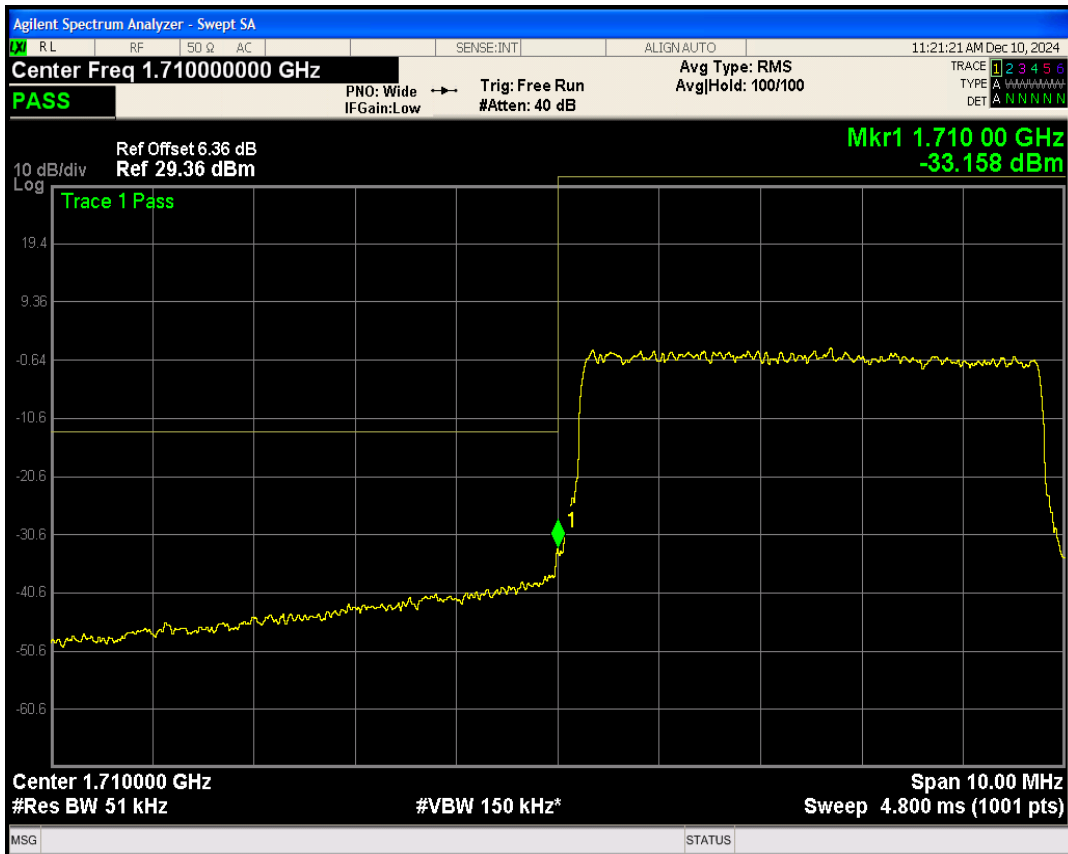
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



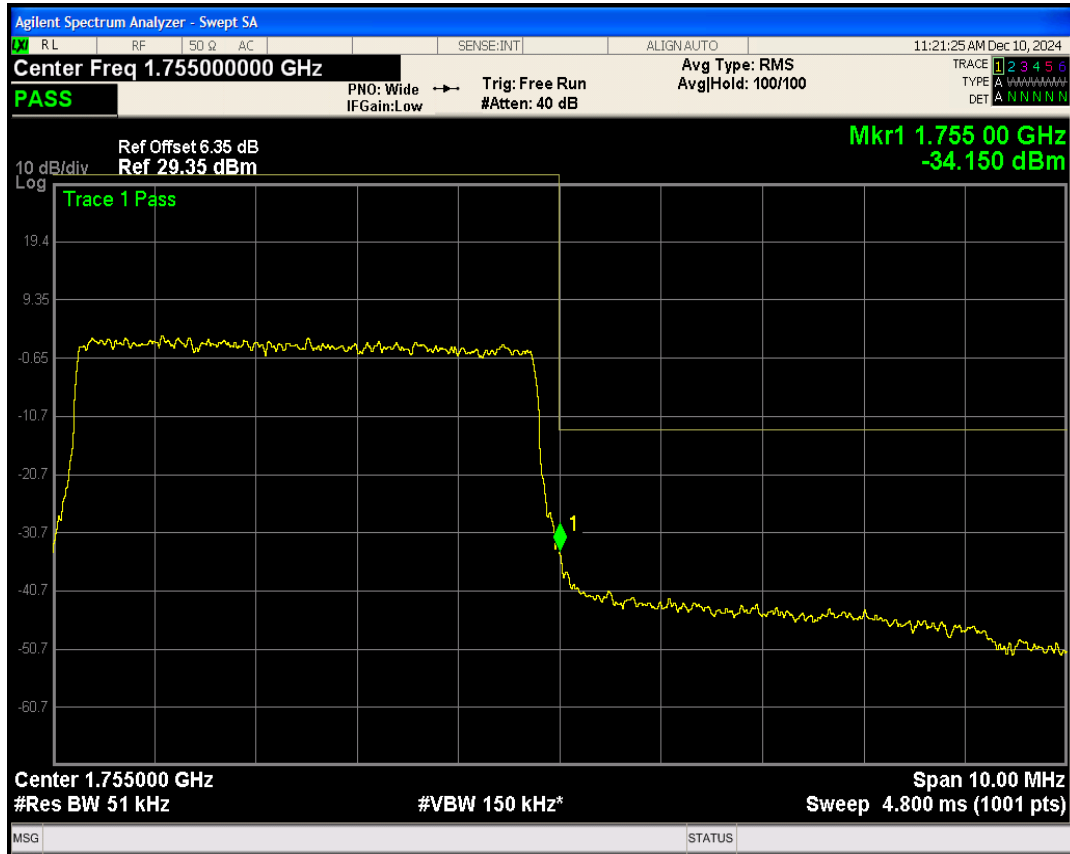
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



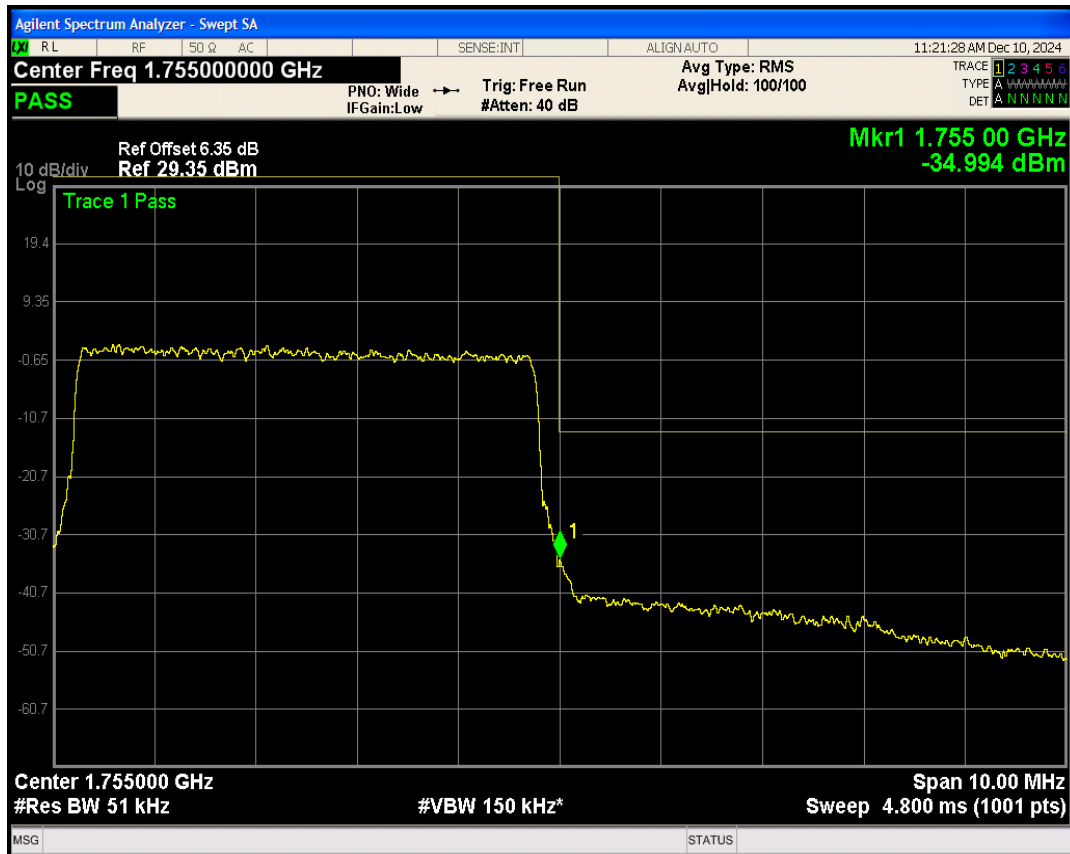
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



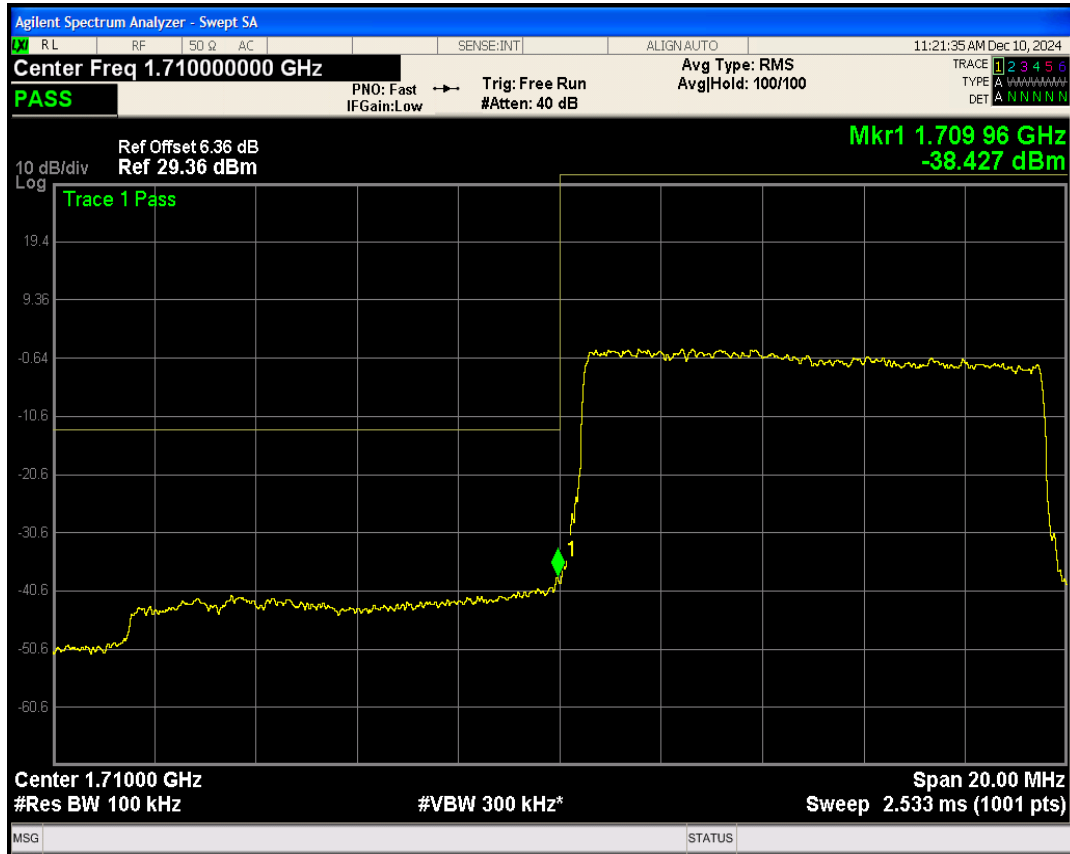
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



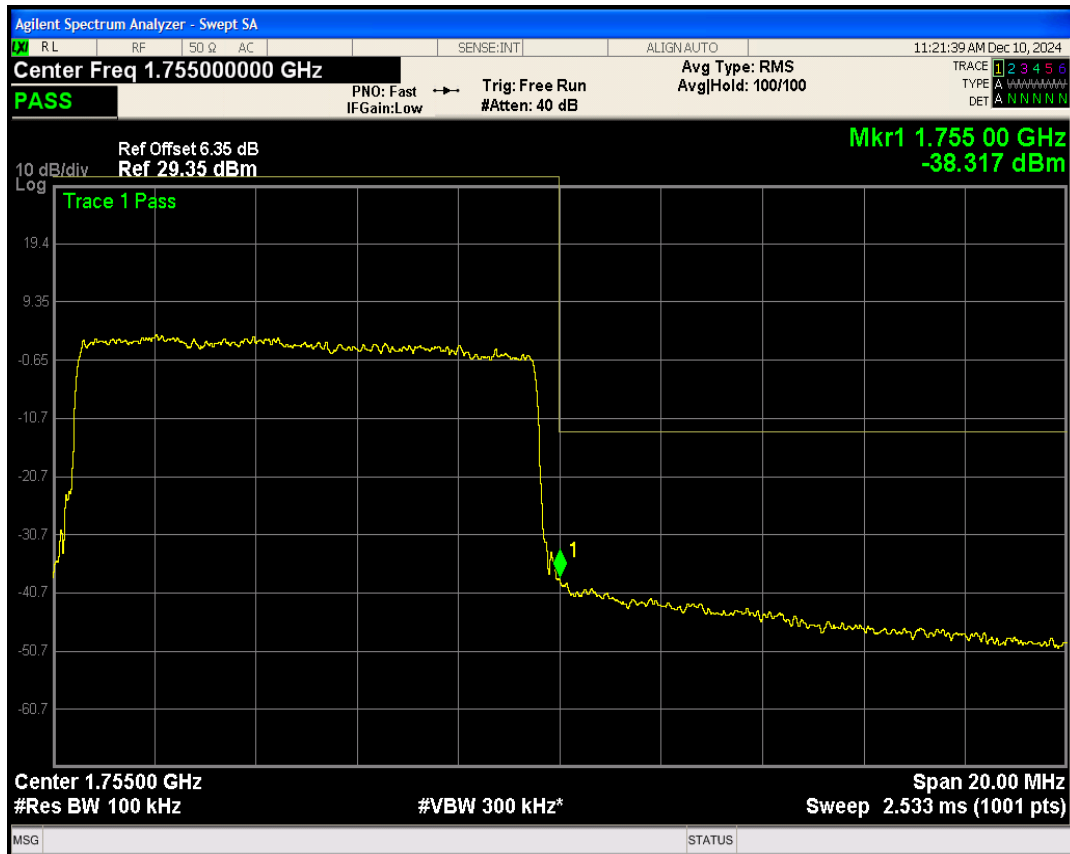
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



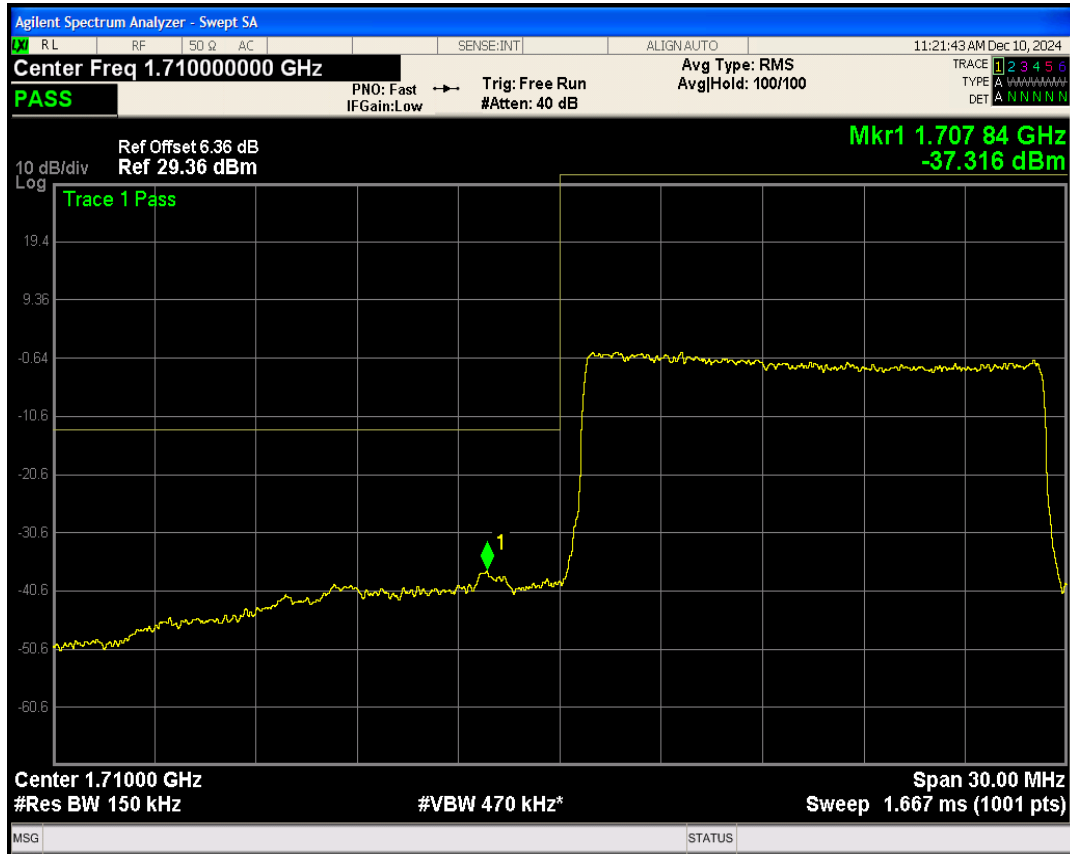
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



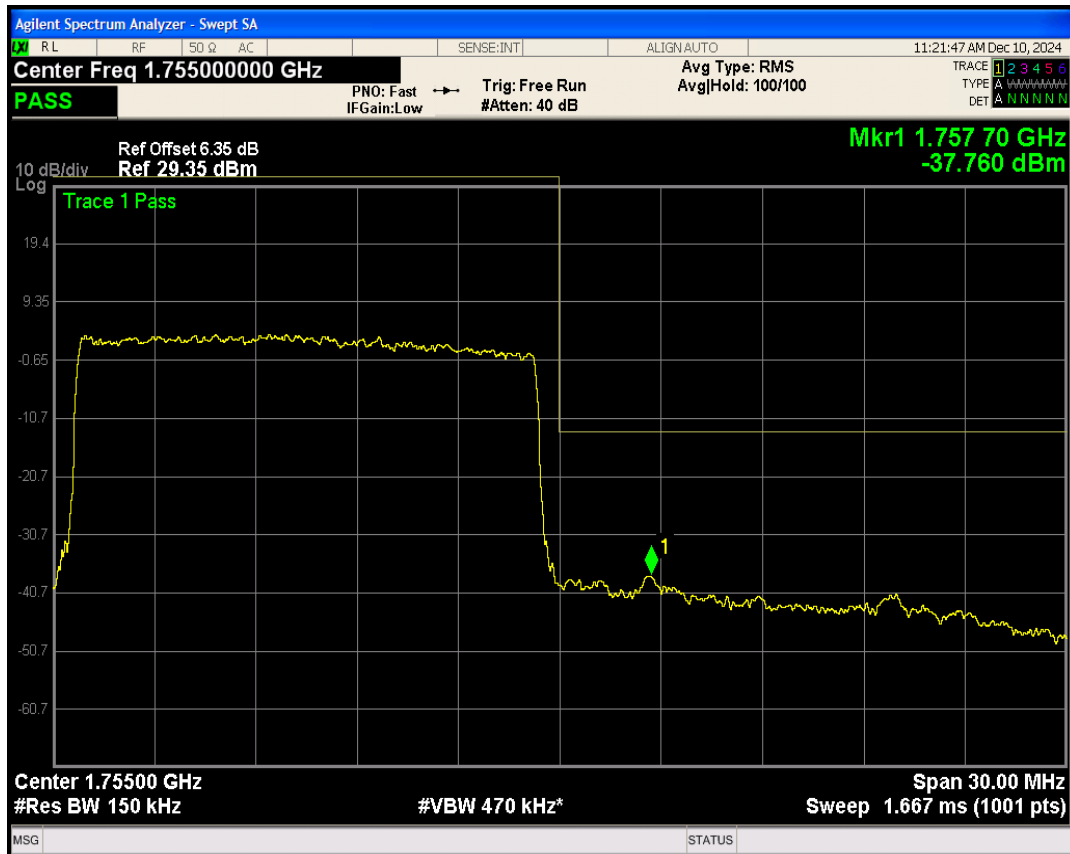
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



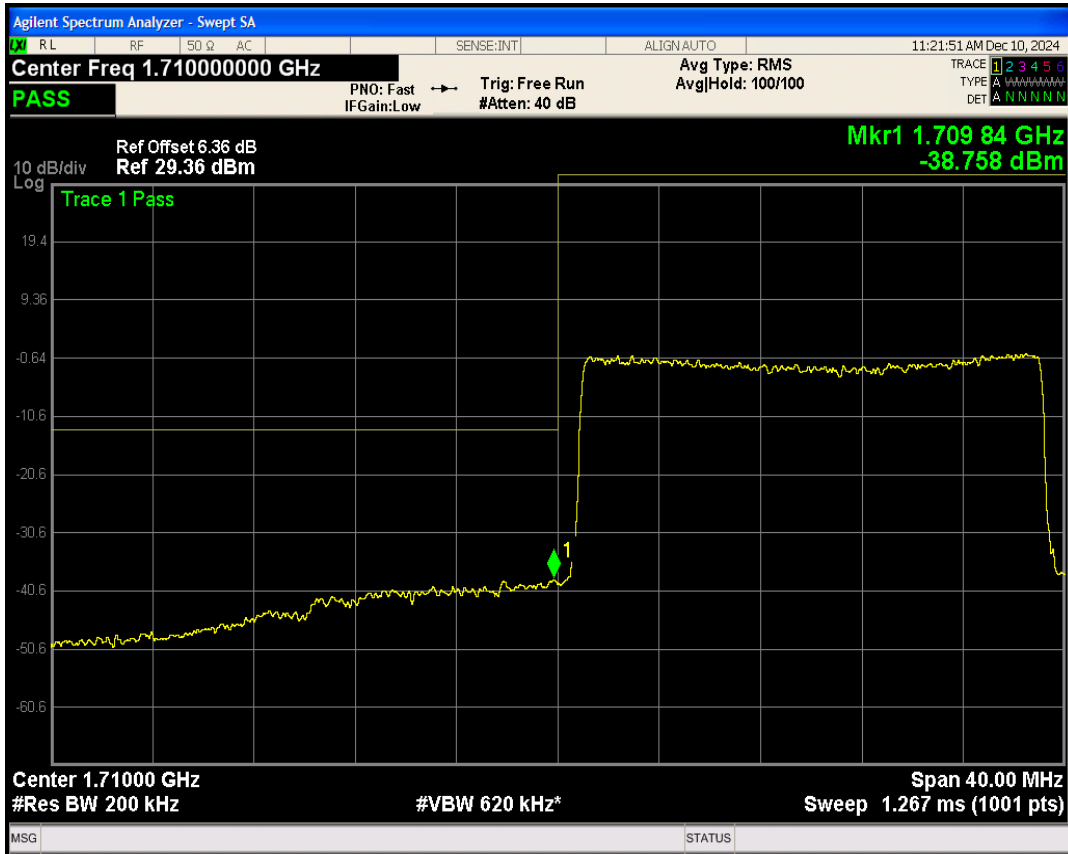
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



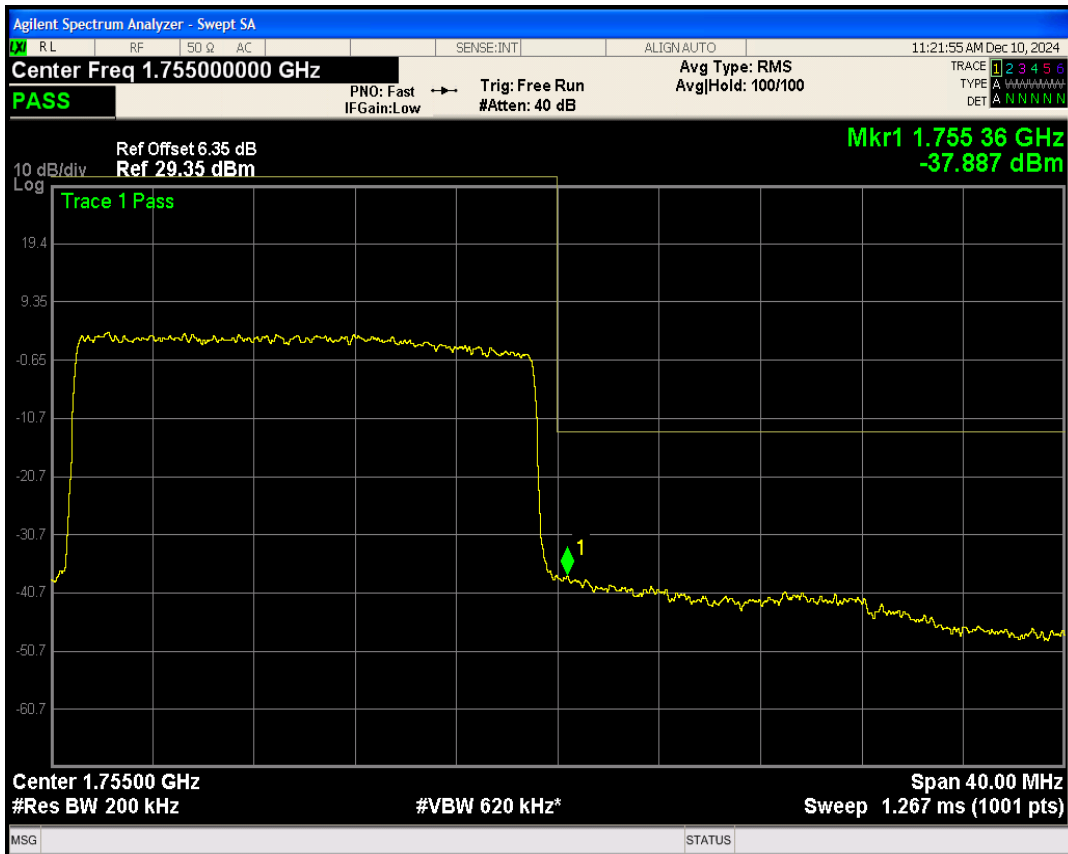
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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



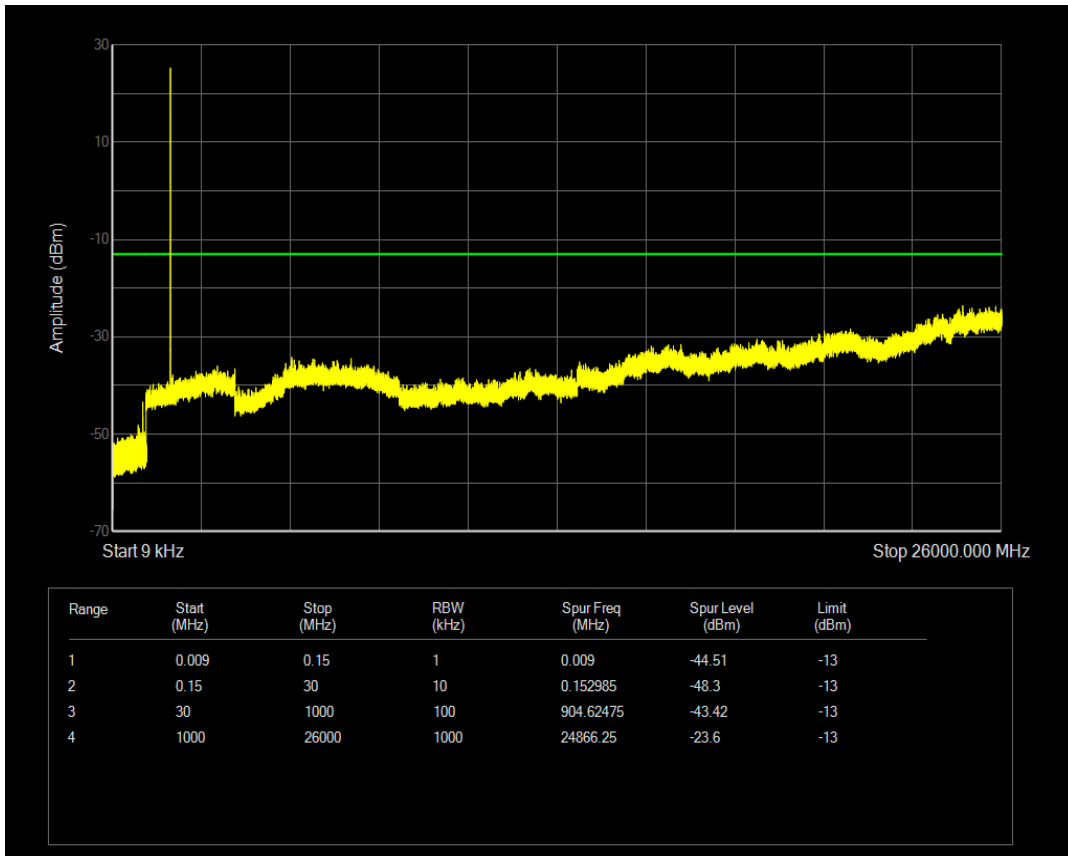
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



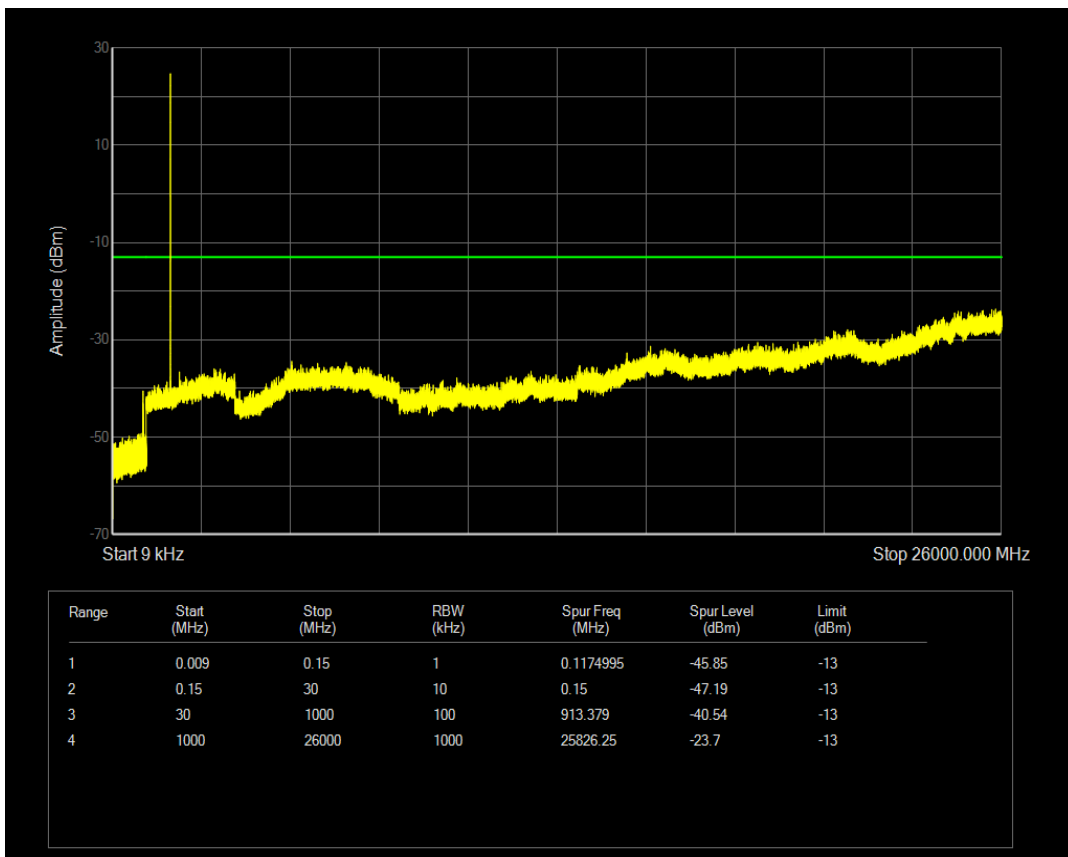
Appendix 6. Out-of-band emissions

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	24866.25	-23.60	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25826.25	-23.70	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25434.38	-23.05	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25675.00	-23.19	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25073.75	-23.46	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25978.13	-22.22	-13	PASS
Band4	3	19965	15	#0	QPSK	25730.63	-22.60	-13	PASS
Band4	3	19965	15	#0	16QAM	25962.50	-24.03	-13	PASS
Band4	3	20175	15	#0	QPSK	25870.63	-23.90	-13	PASS
Band4	3	20175	15	#0	16QAM	25850.63	-23.24	-13	PASS
Band4	3	20385	15	#0	QPSK	24688.75	-23.13	-13	PASS
Band4	3	20385	15	#0	16QAM	25815.00	-23.23	-13	PASS
Band4	5	19975	25	#0	QPSK	25526.25	-23.69	-13	PASS
Band4	5	19975	25	#0	16QAM	25912.50	-23.79	-13	PASS
Band4	5	20175	25	#0	QPSK	25845.00	-23.71	-13	PASS
Band4	5	20175	25	#0	16QAM	25787.50	-23.56	-13	PASS
Band4	5	20375	25	#0	QPSK	25663.75	-23.82	-13	PASS
Band4	5	20375	25	#0	16QAM	25885.00	-23.33	-13	PASS
Band4	10	20000	50	#0	QPSK	25372.50	-24.00	-13	PASS
Band4	10	20175	50	#0	QPSK	25836.25	-22.97	-13	PASS
Band4	10	20350	50	#0	QPSK	25513.75	-23.90	-13	PASS
Band4	15	20025	75	#0	QPSK	25635.00	-23.78	-13	PASS
Band4	15	20175	75	#0	QPSK	25718.75	-23.00	-13	PASS
Band4	15	20325	75	#0	QPSK	25976.25	-23.82	-13	PASS
Band4	20	20050	100	#0	QPSK	25768.75	-23.23	-13	PASS
Band4	20	20175	100	#0	QPSK	24750.63	-23.68	-13	PASS
Band4	20	20300	100	#0	QPSK	25131.88	-23.39	-13	PASS

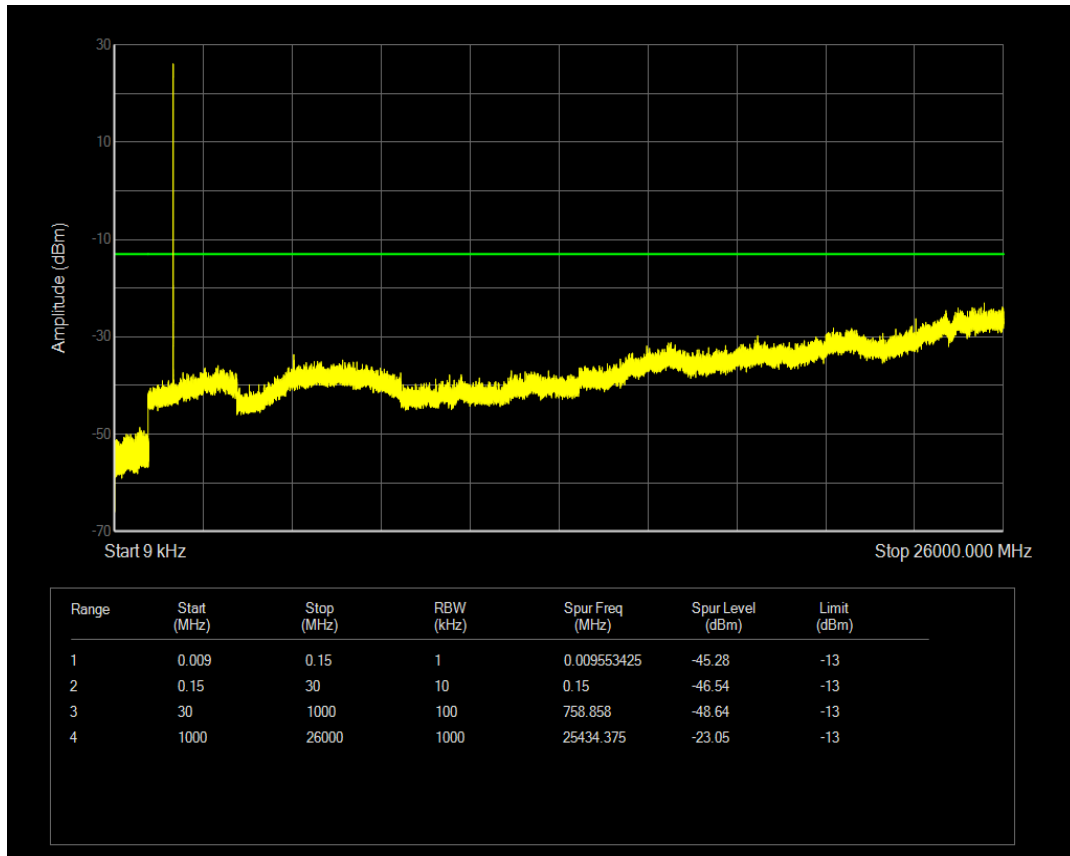
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



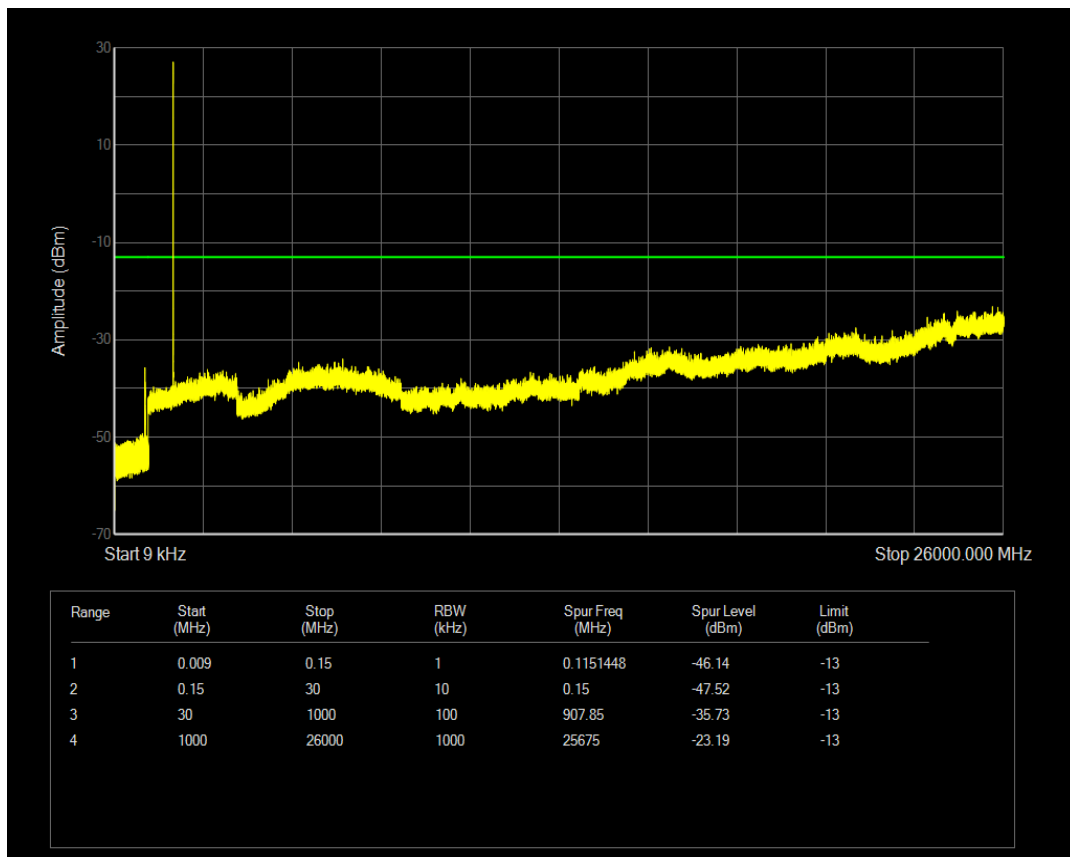
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



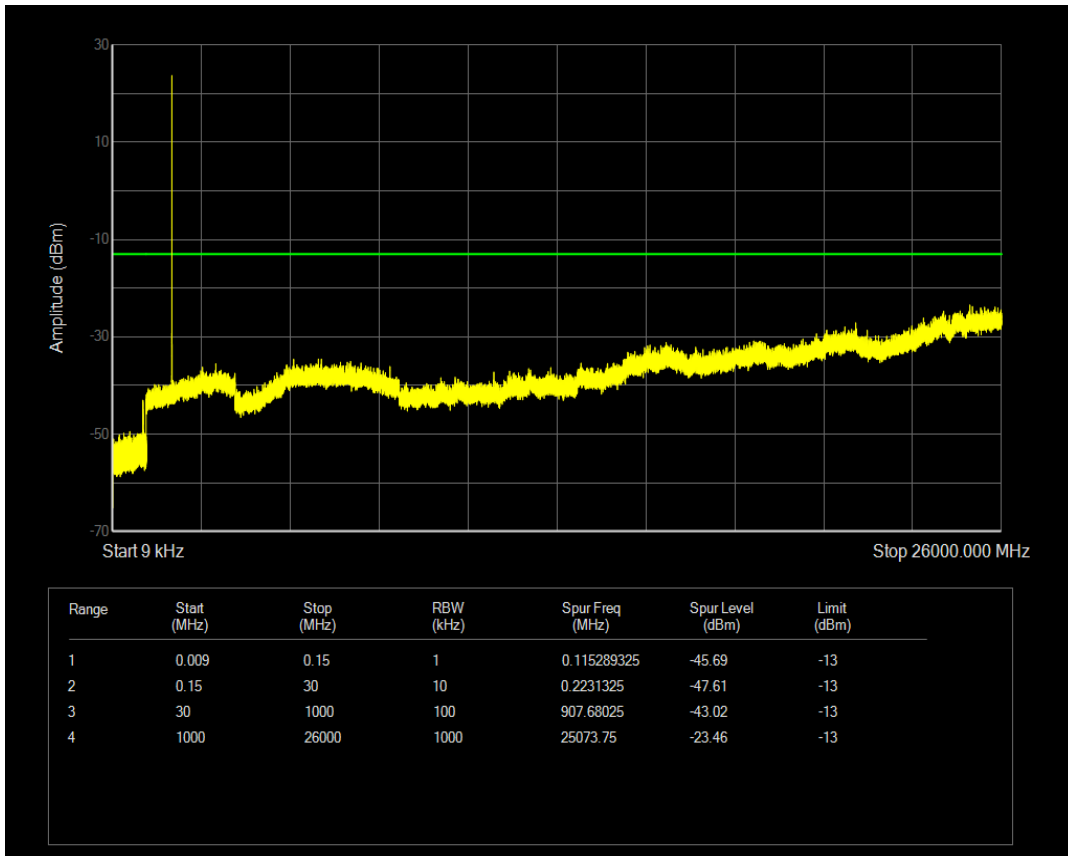
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



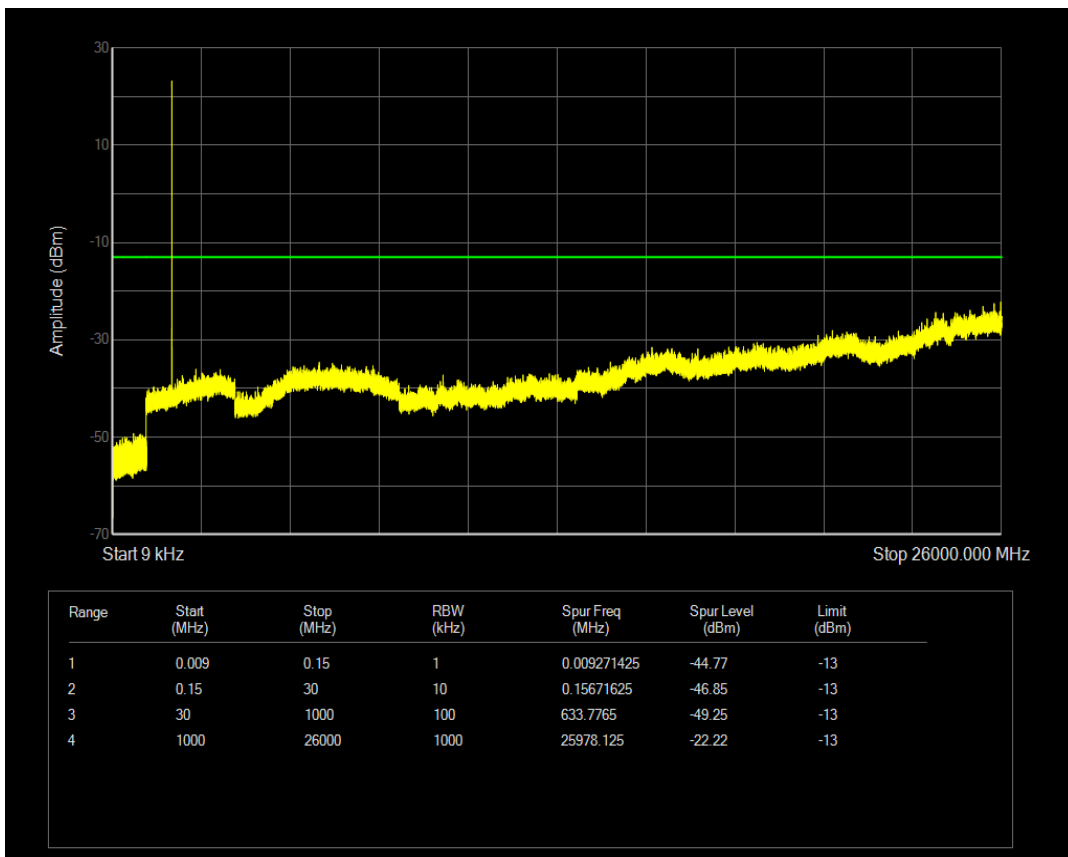
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



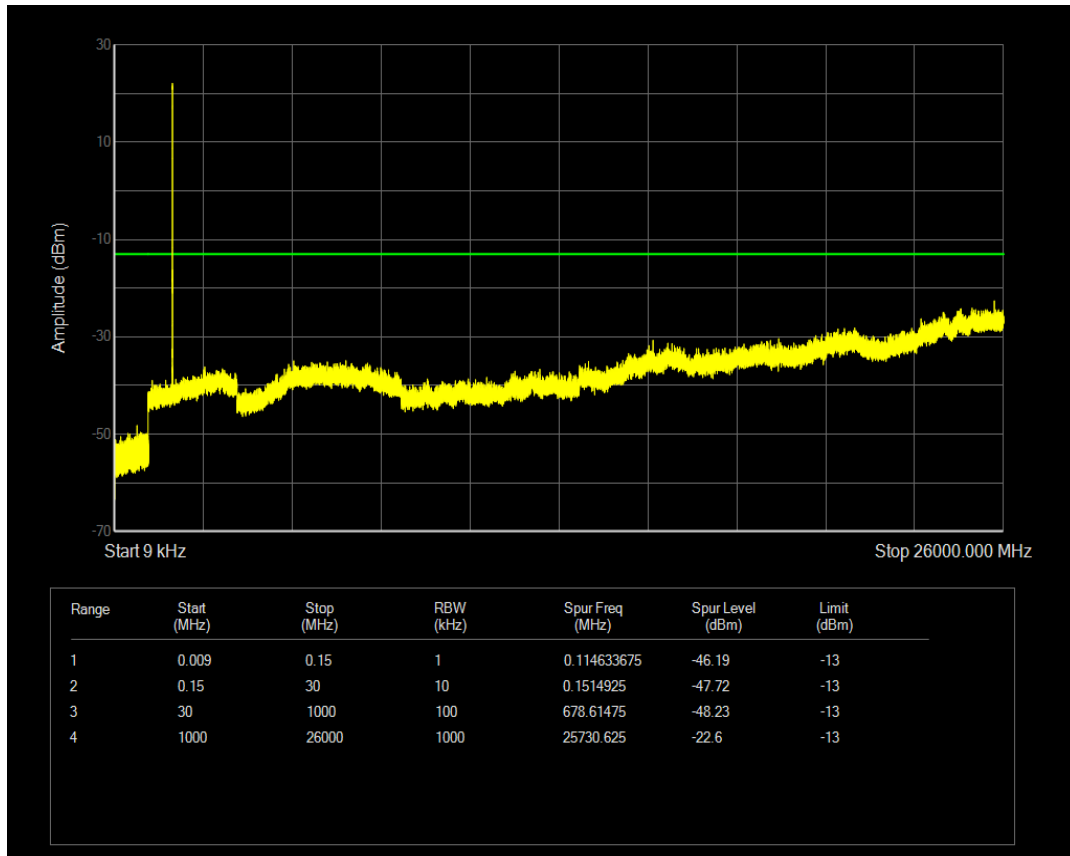
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



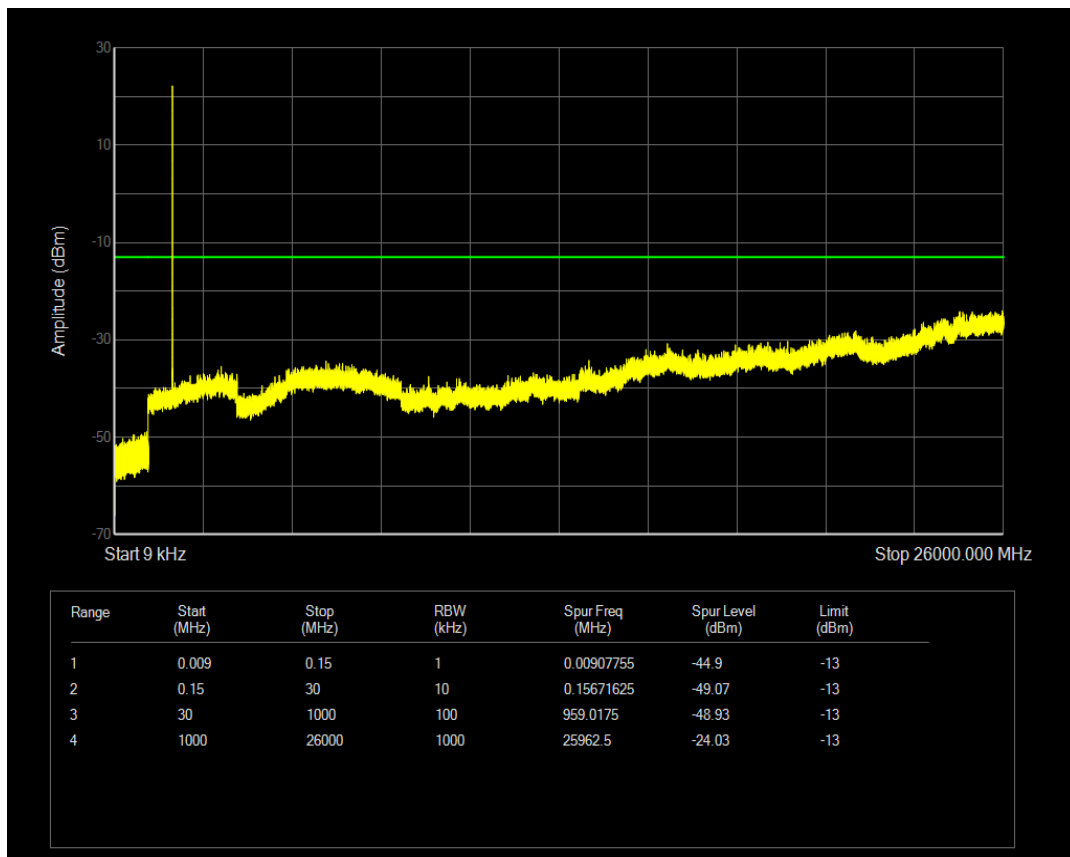
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



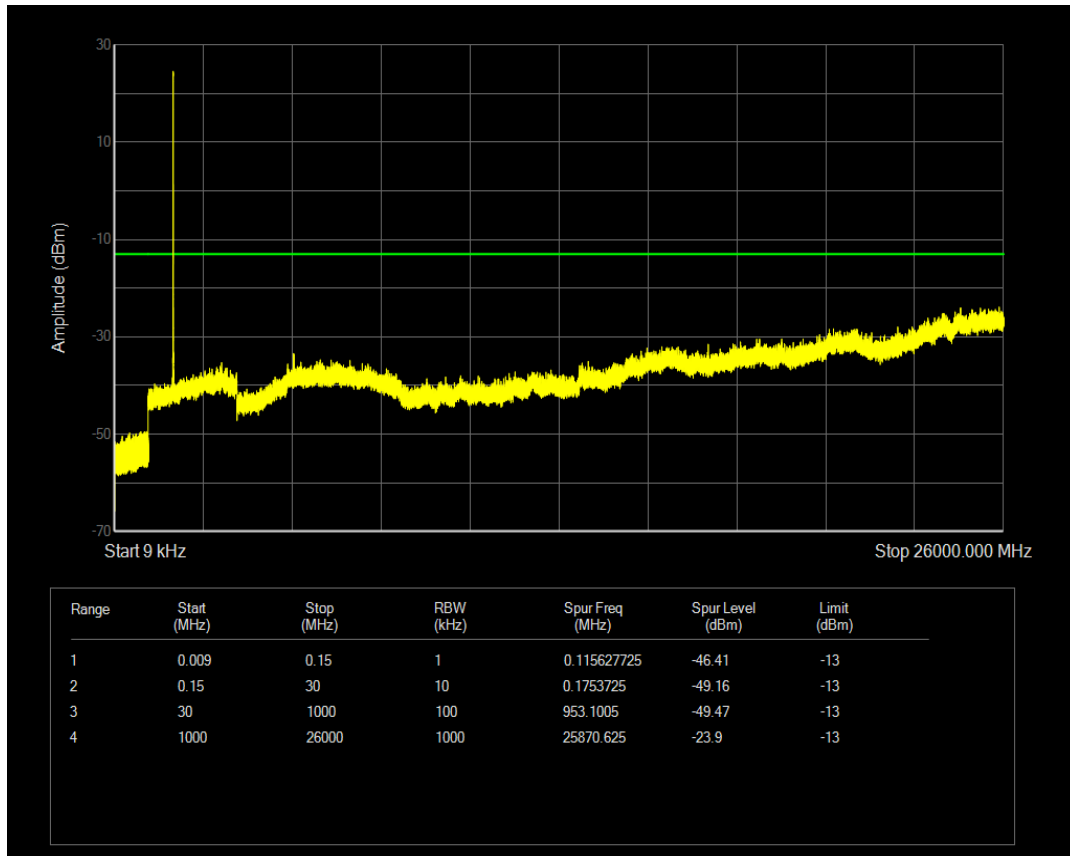
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



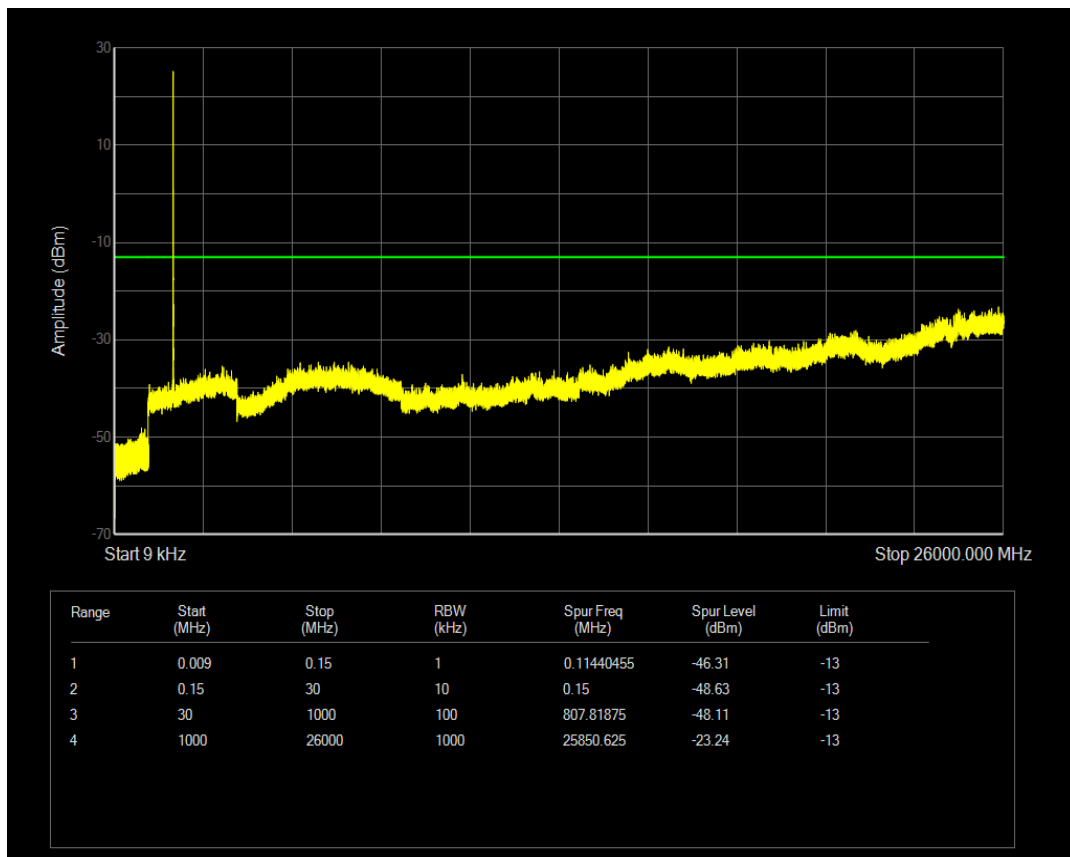
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



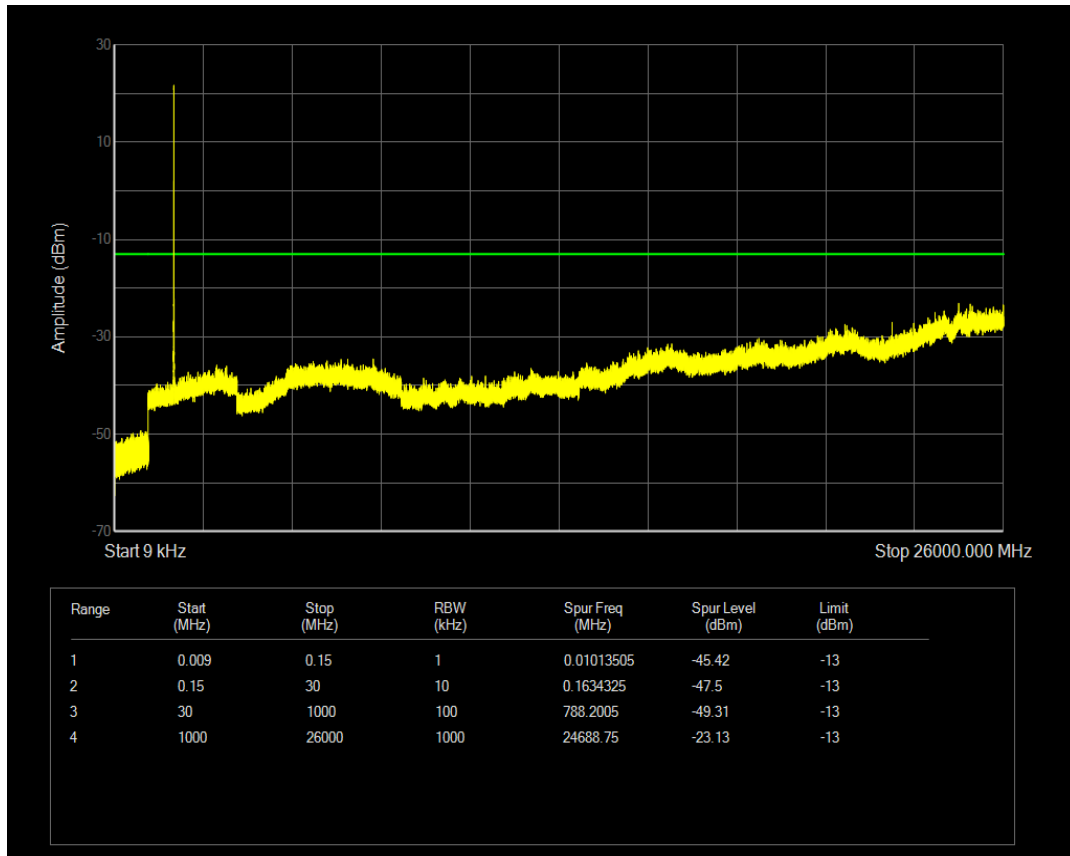
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



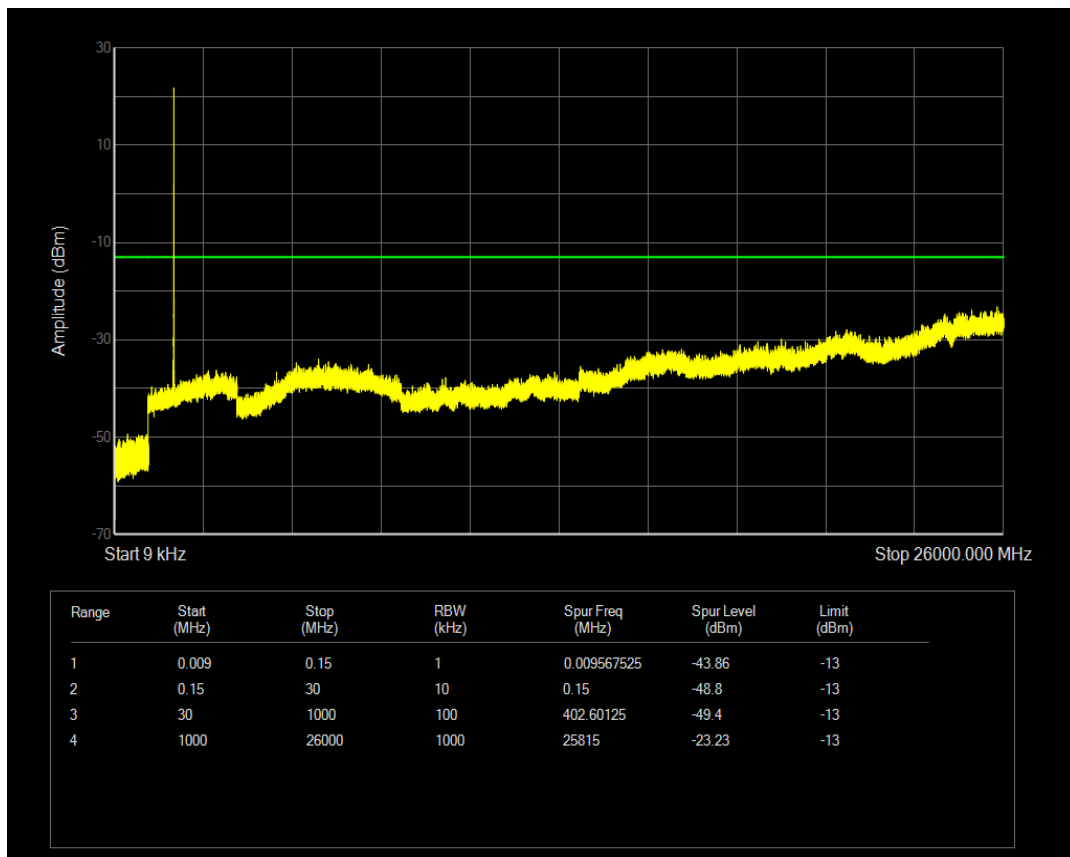
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



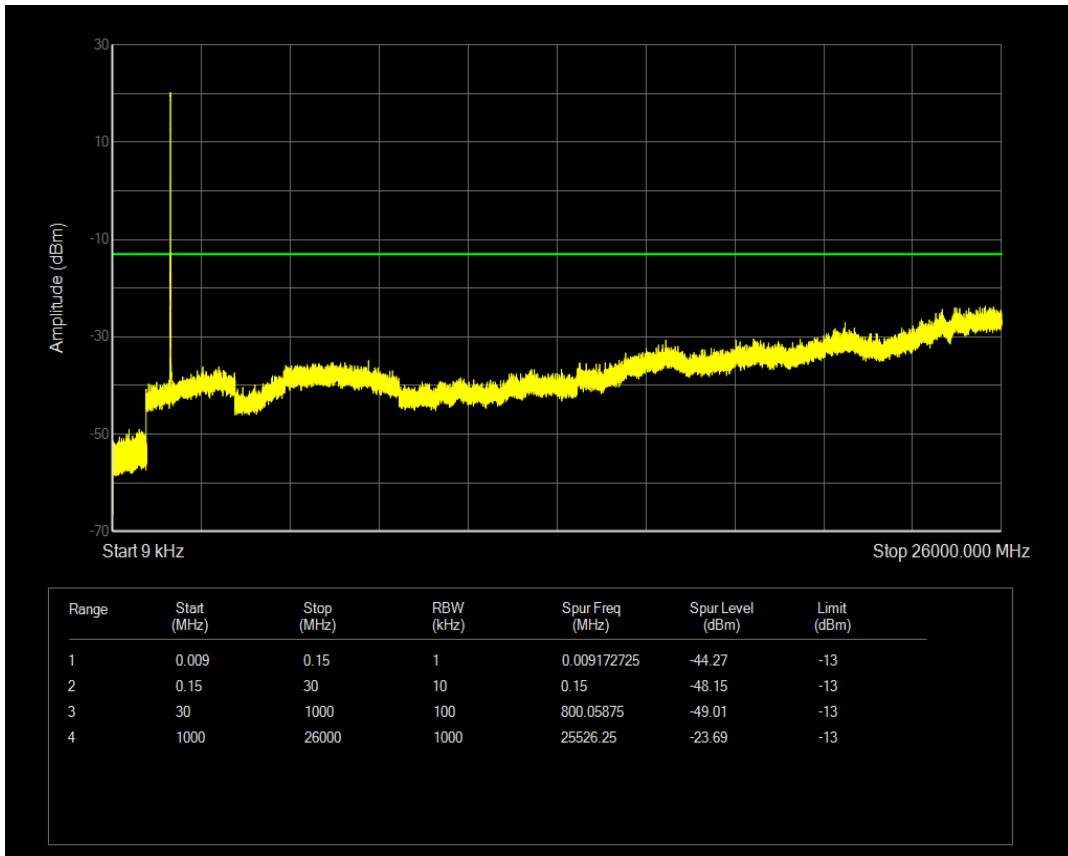
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



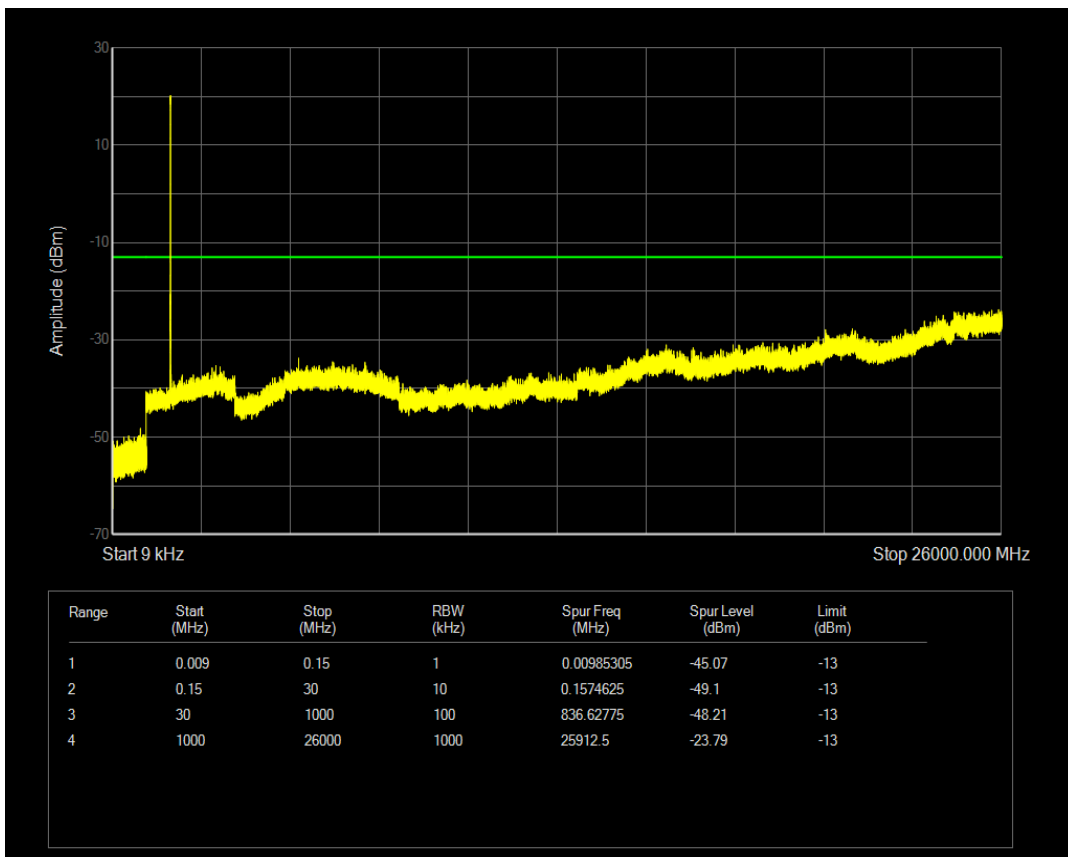
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



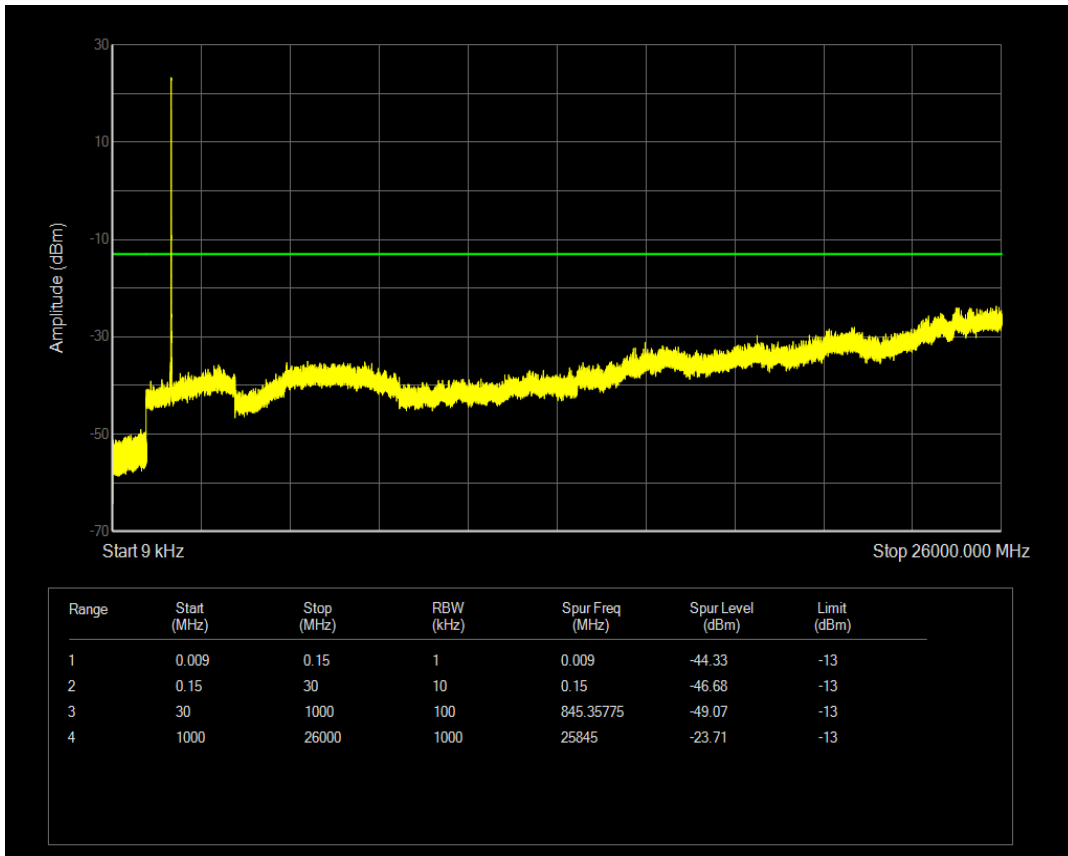
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



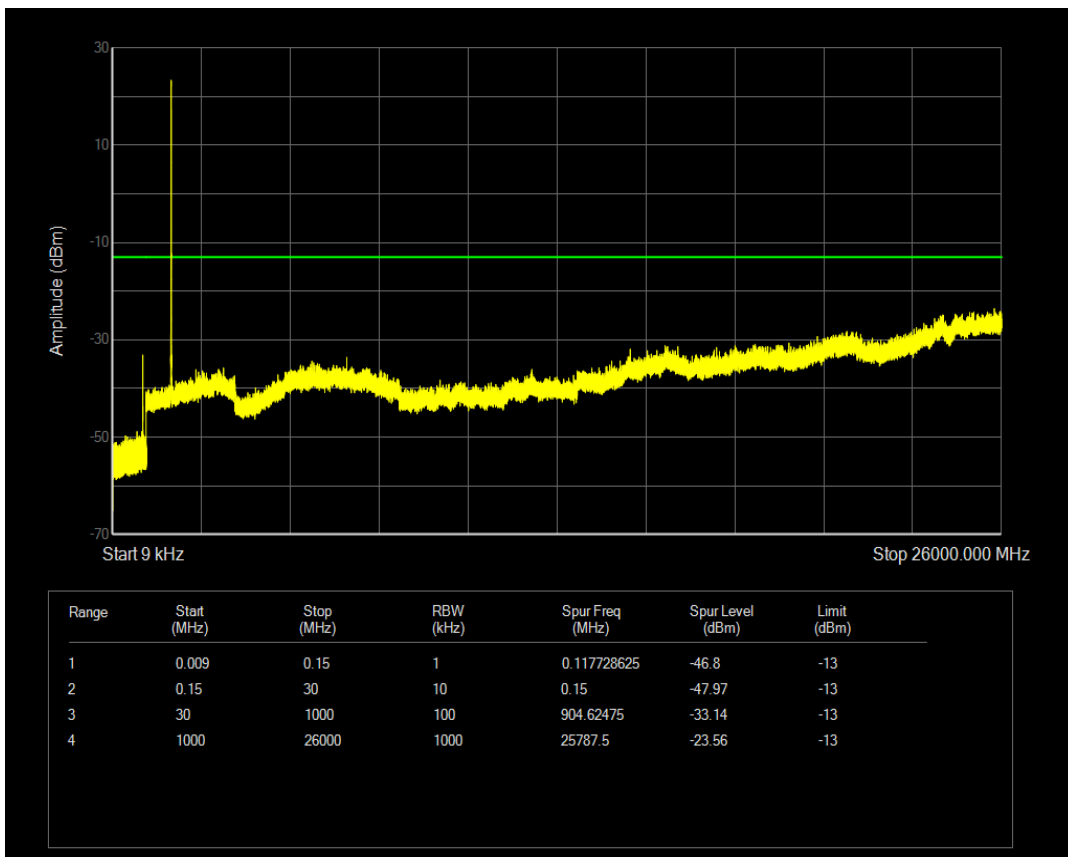
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



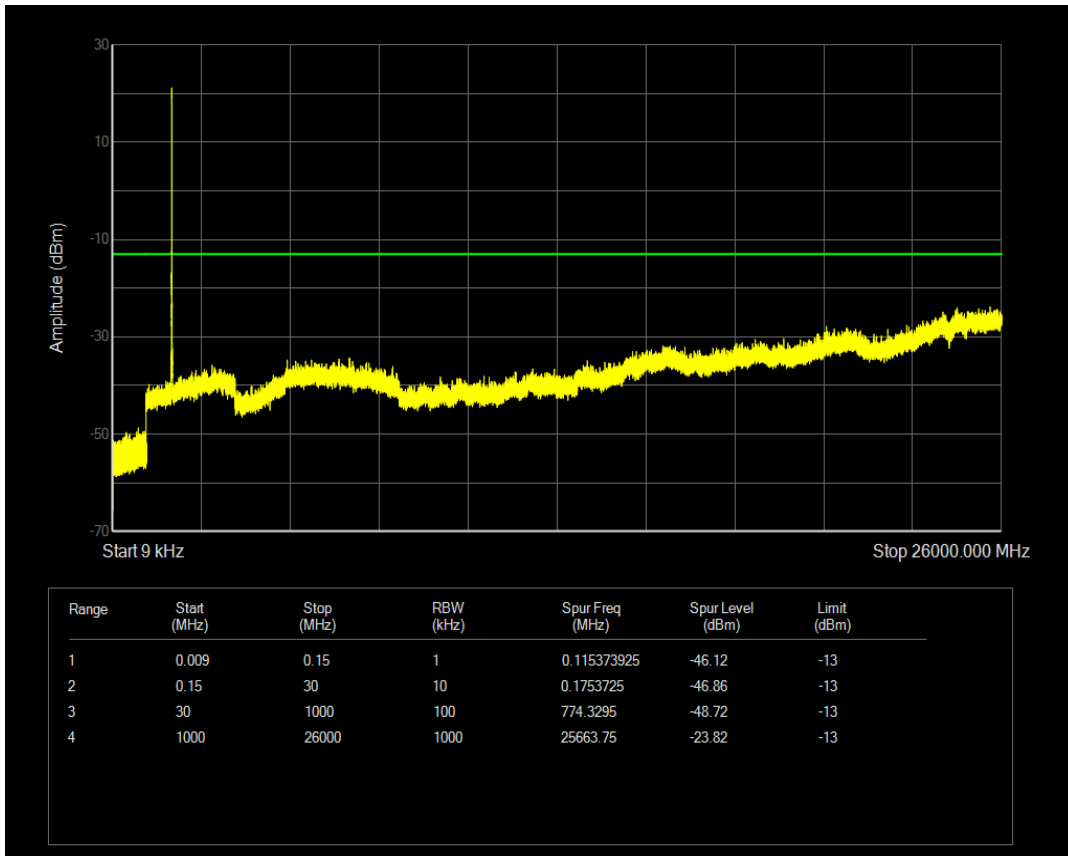
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



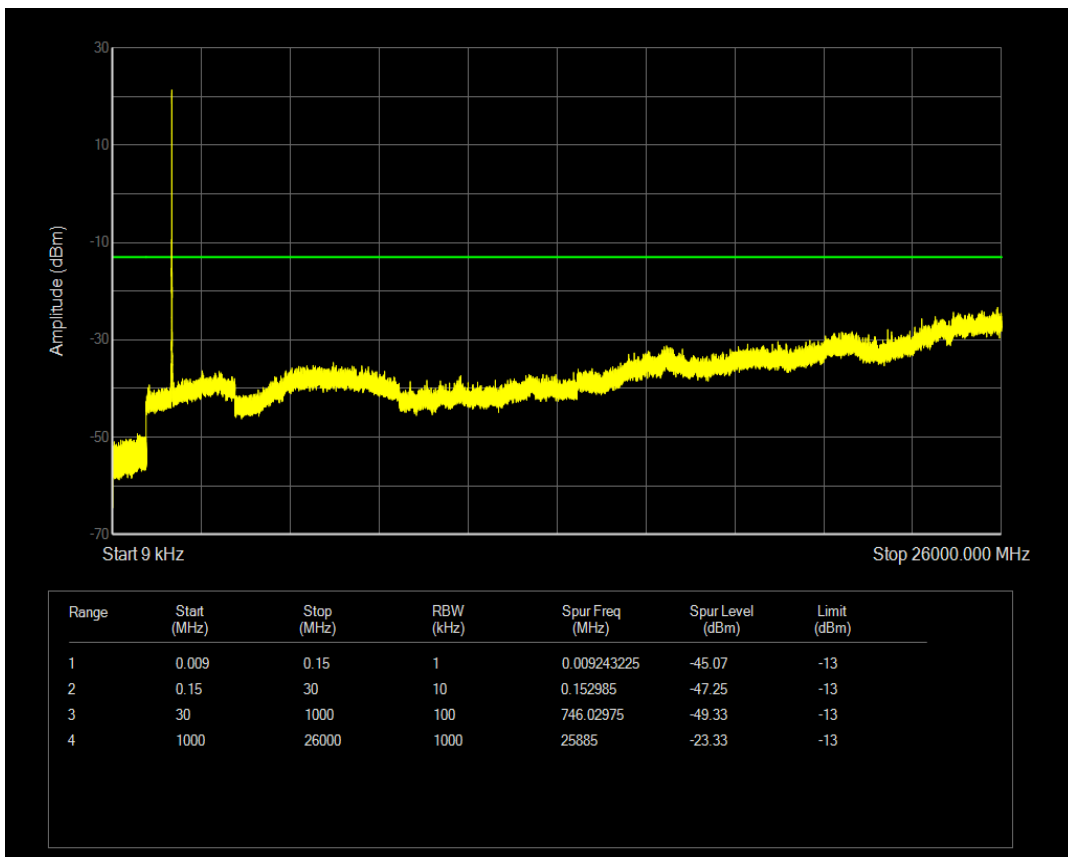
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



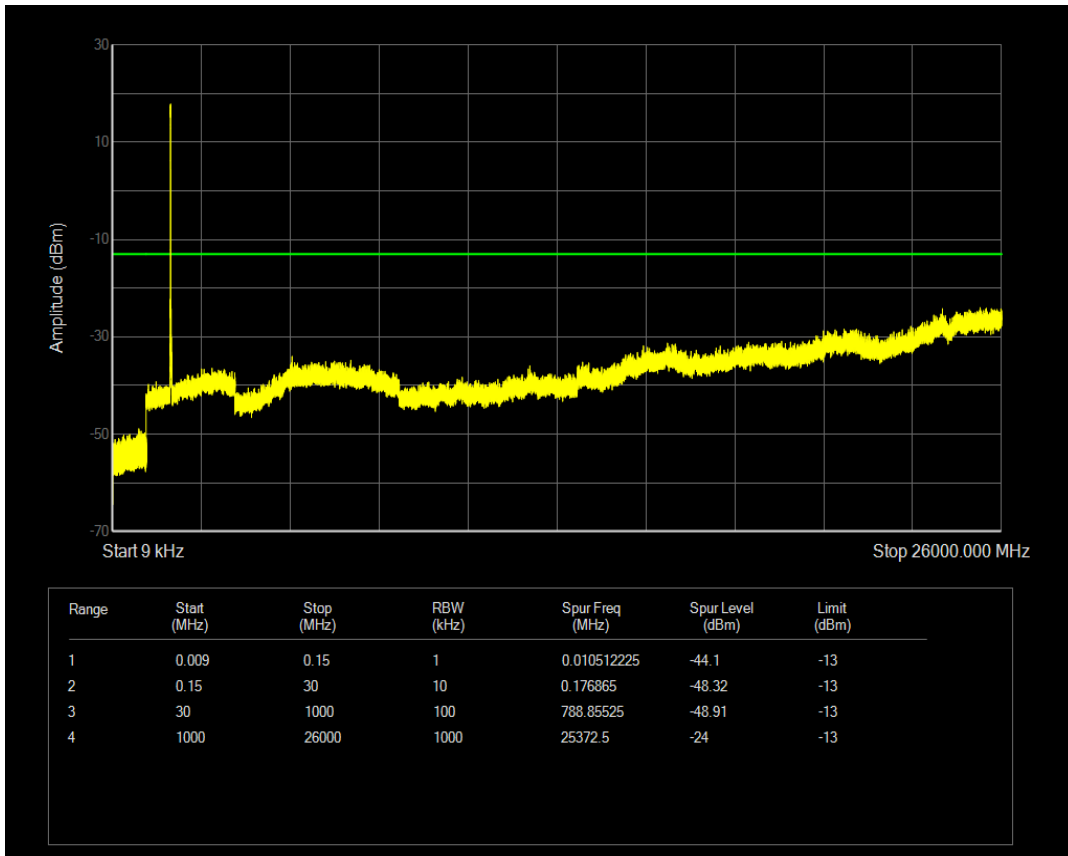
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



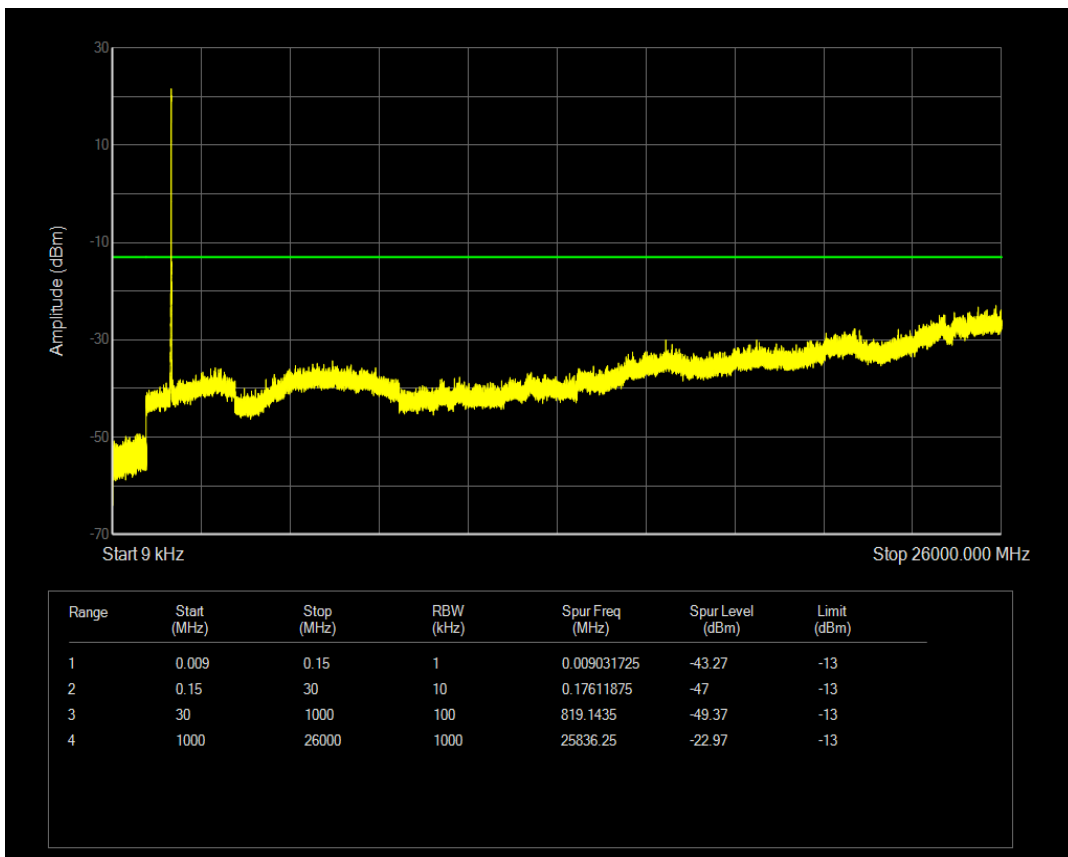
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



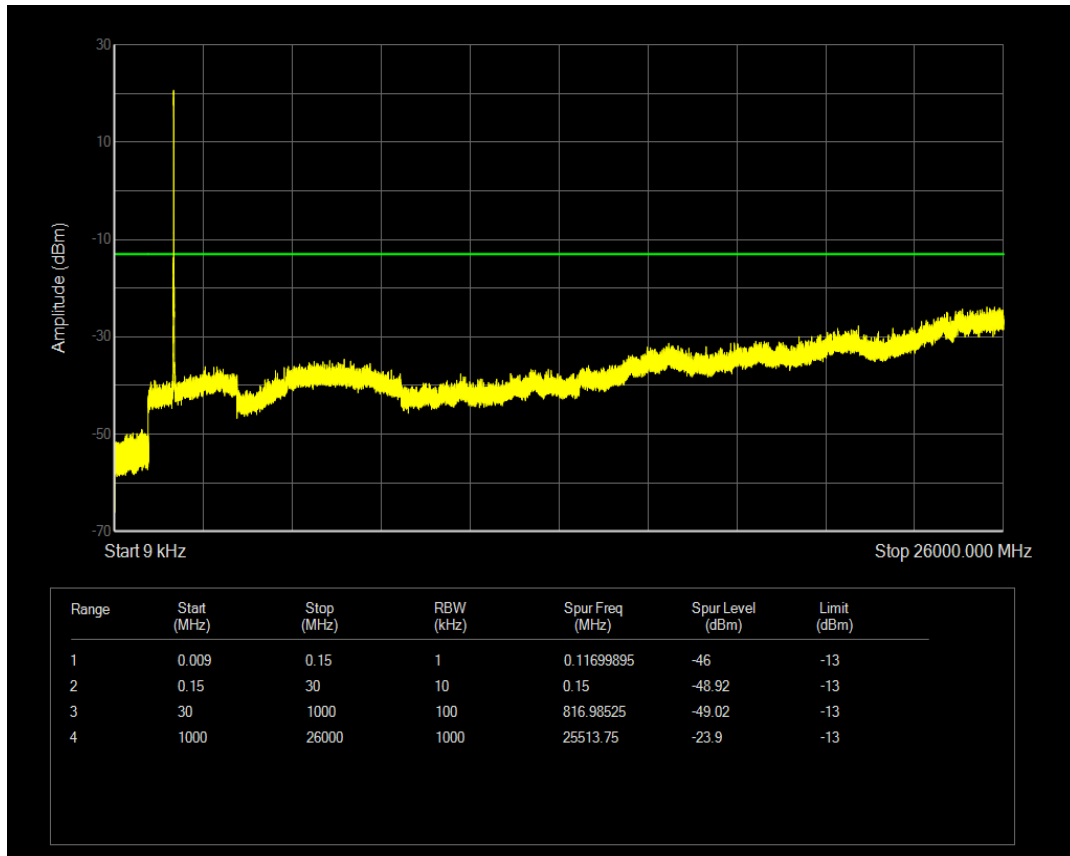
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



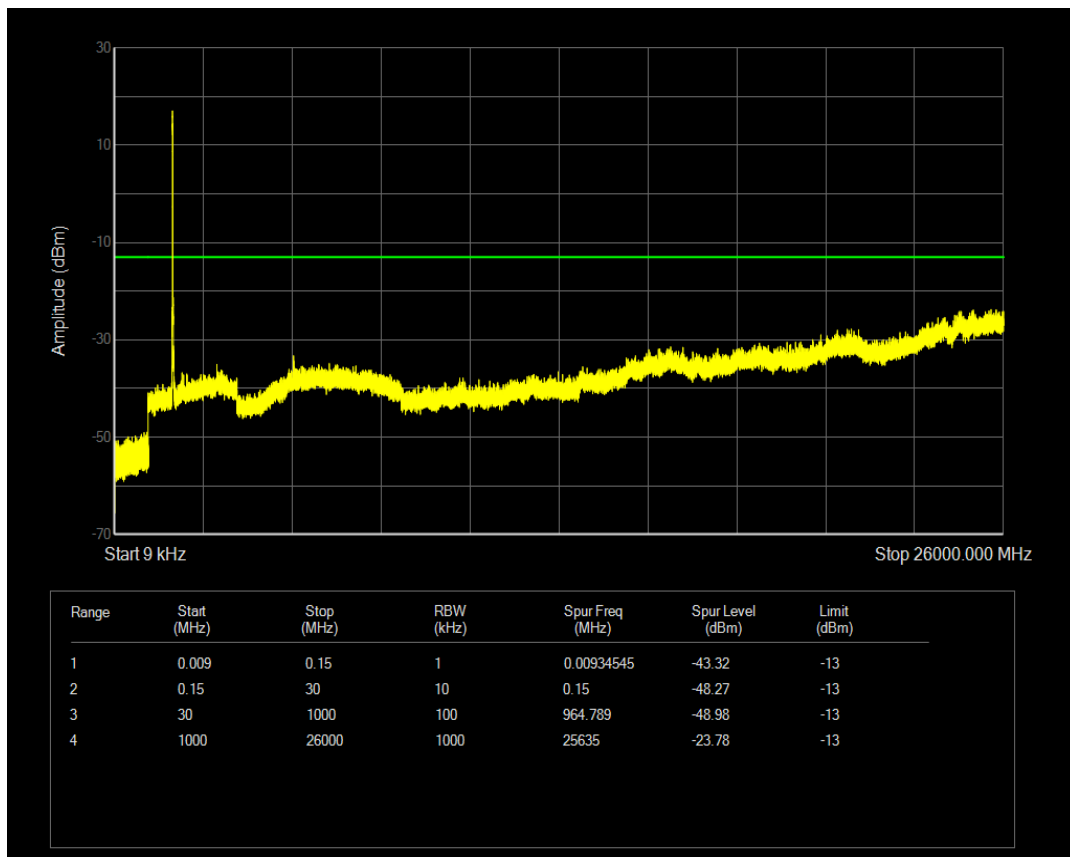
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



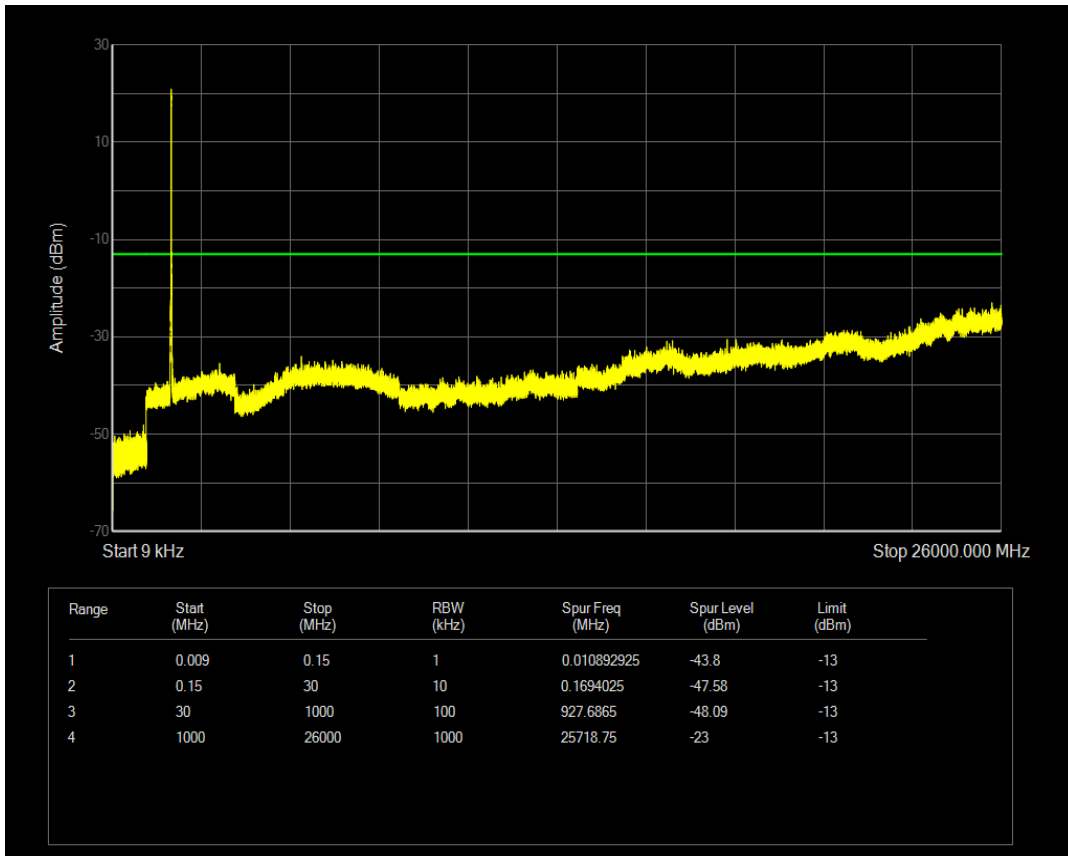
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



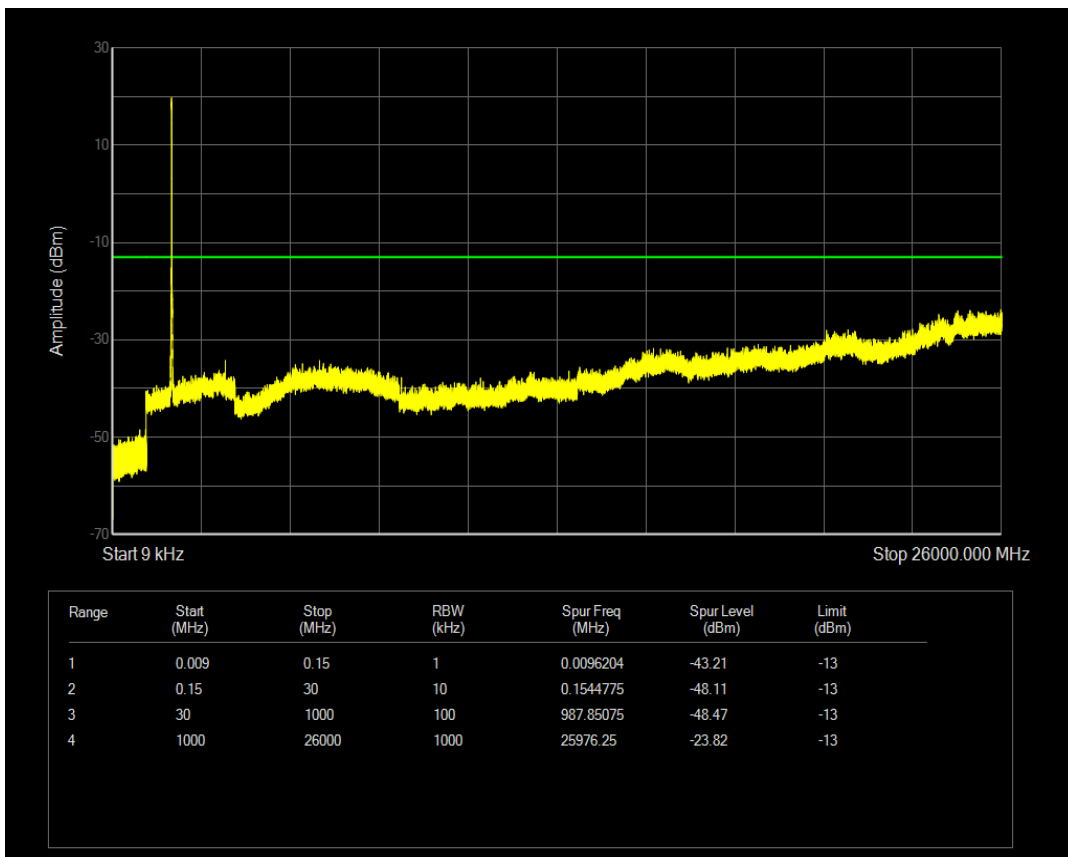
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



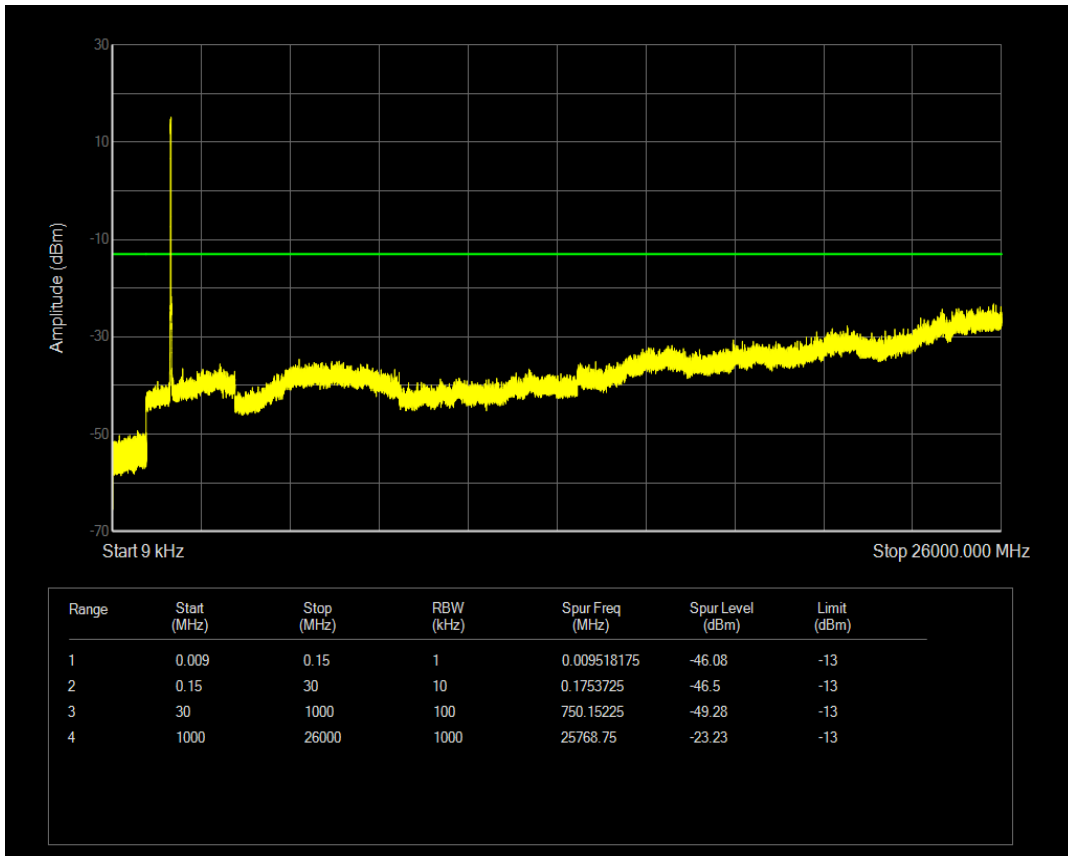
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



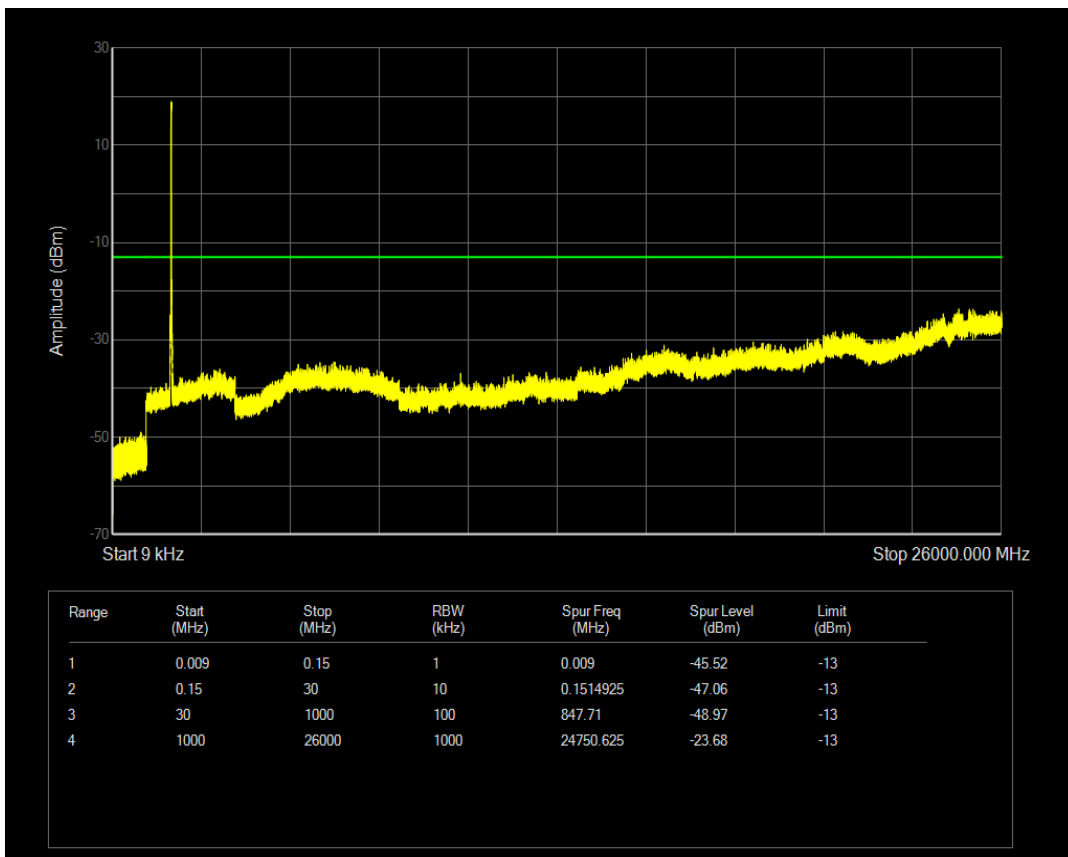
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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

