

Appendix for Band 4

Report No.: BCTC2304073080-2E

Applicant: SEEWORLD Technology Co.,Ltd

Product Name: GPS Tracker

Model/Type
reference: S21L

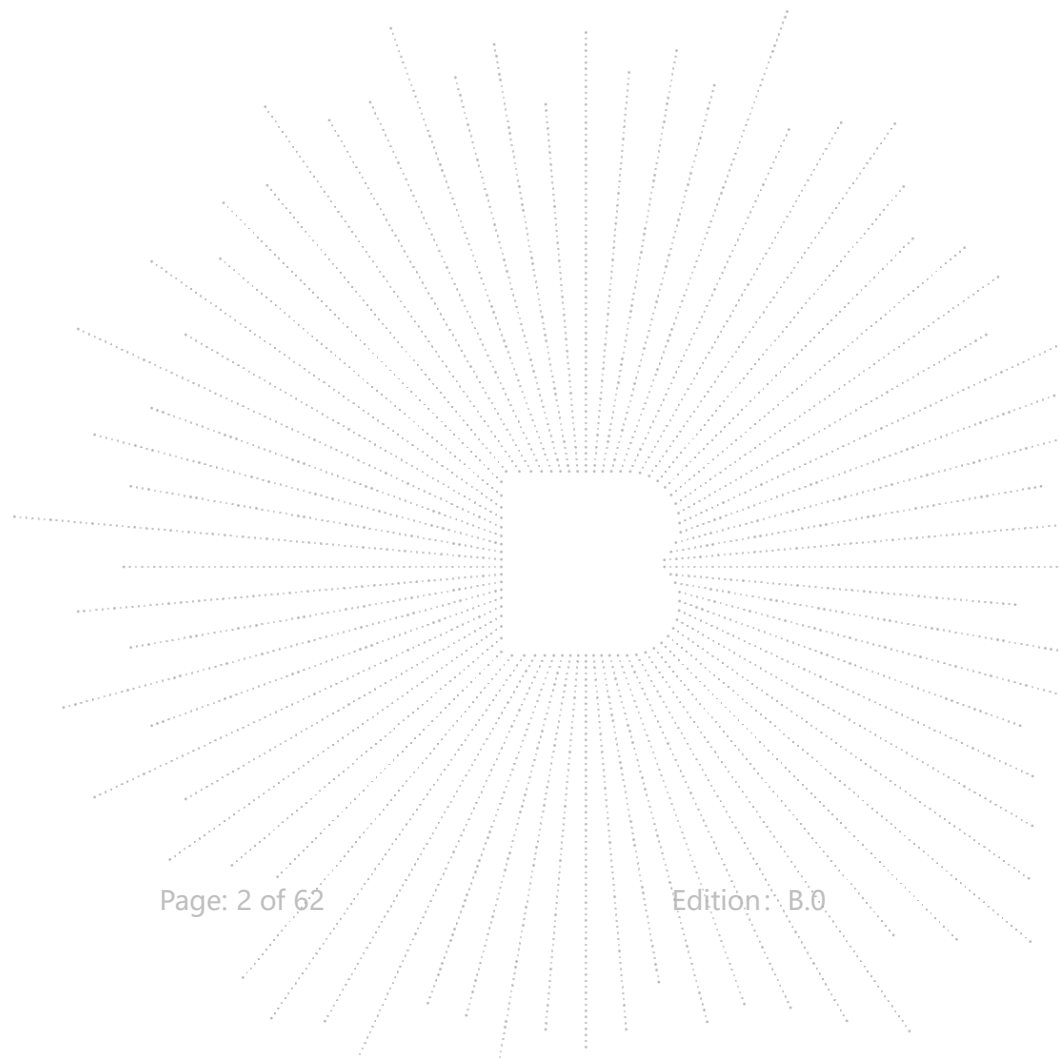
Tested Date: 2023-05-04 to 2023-05-31

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Shenzhen BCTC Testing Co., Ltd.

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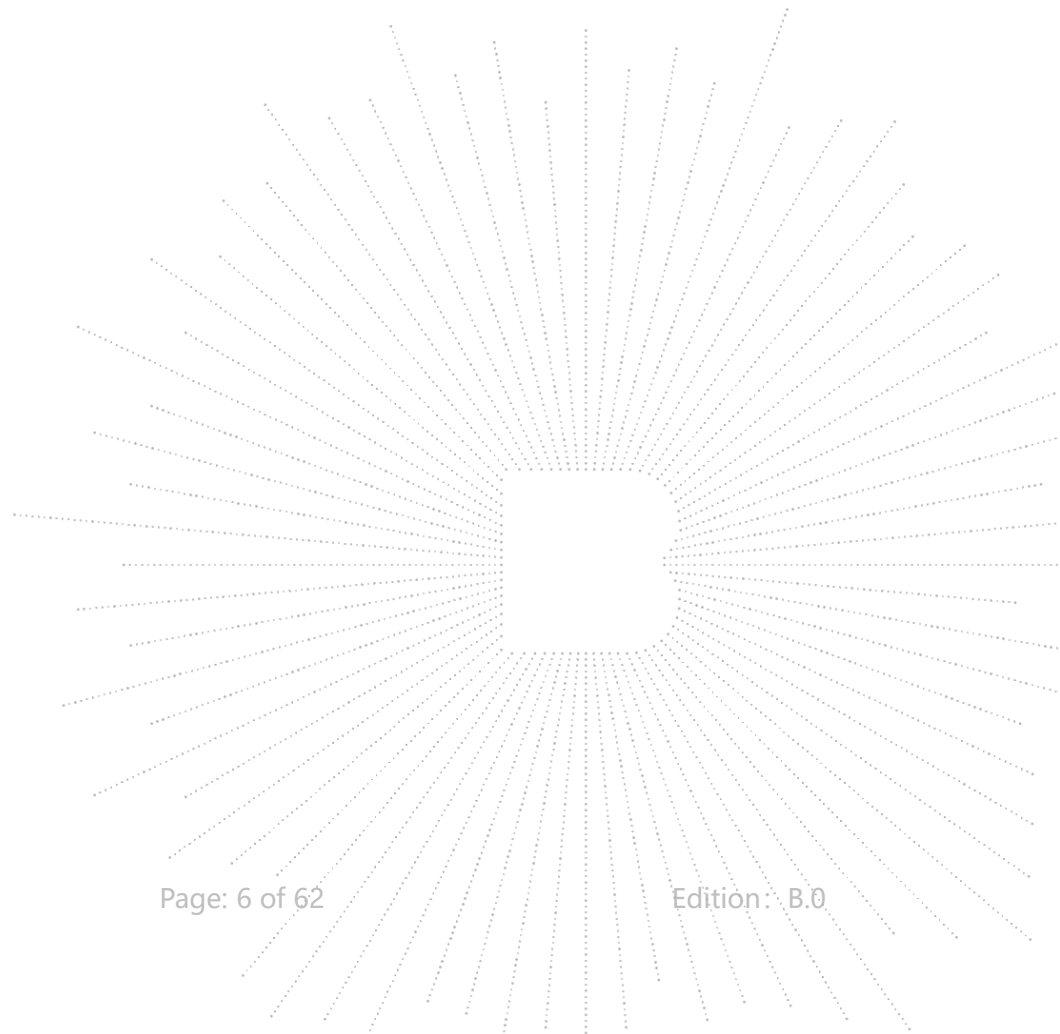
Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	20.37	1.2	21.57	PASS
Band4	1.4	19957	1	#Mid	QPSK	20.46	1.2	21.66	PASS
Band4	1.4	19957	1	#Max	QPSK	20.56	1.2	21.76	PASS
Band4	1.4	19957	3	#0	QPSK	20.34	1.2	21.54	PASS
Band4	1.4	19957	3	#Mid	QPSK	20.35	1.2	21.55	PASS
Band4	1.4	19957	3	#Max	QPSK	20.53	1.2	21.73	PASS
Band4	1.4	19957	6	#0	QPSK	19.47	1.2	20.67	PASS
Band4	1.4	19957	1	#0	16QAM	19.71	1.2	20.91	PASS
Band4	1.4	19957	1	#Mid	16QAM	19.81	1.2	21.01	PASS
Band4	1.4	19957	1	#Max	16QAM	19.92	1.2	21.12	PASS
Band4	1.4	19957	3	#0	16QAM	19.75	1.2	20.95	PASS
Band4	1.4	19957	3	#Mid	16QAM	19.81	1.2	21.01	PASS
Band4	1.4	19957	3	#Max	16QAM	19.86	1.2	21.06	PASS
Band4	1.4	19957	6	#0	16QAM	18.90	1.2	20.10	PASS
Band4	1.4	20175	1	#0	QPSK	19.67	1.2	20.87	PASS
Band4	1.4	20175	1	#Mid	QPSK	19.65	1.2	20.85	PASS
Band4	1.4	20175	1	#Max	QPSK	19.57	1.2	20.77	PASS
Band4	1.4	20175	3	#0	QPSK	19.58	1.2	20.78	PASS
Band4	1.4	20175	3	#Mid	QPSK	19.54	1.2	20.74	PASS
Band4	1.4	20175	3	#Max	QPSK	19.53	1.2	20.73	PASS
Band4	1.4	20175	6	#0	QPSK	18.69	1.2	19.89	PASS
Band4	1.4	20175	1	#0	16QAM	19.01	1.2	20.21	PASS
Band4	1.4	20175	1	#Mid	16QAM	18.94	1.2	20.14	PASS
Band4	1.4	20175	1	#Max	16QAM	18.96	1.2	20.16	PASS
Band4	1.4	20175	3	#0	16QAM	18.99	1.2	20.19	PASS
Band4	1.4	20175	3	#Mid	16QAM	19.03	1.2	20.23	PASS
Band4	1.4	20175	3	#Max	16QAM	18.98	1.2	20.18	PASS
Band4	1.4	20175	6	#0	16QAM	17.95	1.2	19.15	PASS
Band4	1.4	20393	1	#0	QPSK	21.67	1.2	22.87	PASS
Band4	1.4	20393	1	#Mid	QPSK	21.65	1.2	22.85	PASS
Band4	1.4	20393	1	#Max	QPSK	21.61	1.2	22.81	PASS
Band4	1.4	20393	3	#0	QPSK	21.55	1.2	22.75	PASS
Band4	1.4	20393	3	#Mid	QPSK	21.70	1.2	22.90	PASS
Band4	1.4	20393	3	#Max	QPSK	21.73	1.2	22.93	PASS
Band4	1.4	20393	6	#0	QPSK	20.79	1.2	21.99	PASS
Band4	1.4	20393	1	#0	16QAM	20.71	1.2	21.91	PASS
Band4	1.4	20393	1	#Mid	16QAM	20.78	1.2	21.98	PASS
Band4	1.4	20393	1	#Max	16QAM	20.75	1.2	21.95	PASS

Band4	1.4	20393	3	#0	16QAM	21.02	1.2	22.22	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.02	1.2	22.22	PASS
Band4	1.4	20393	3	#Max	16QAM	21.02	1.2	22.22	PASS
Band4	1.4	20393	6	#0	16QAM	20.23	1.2	21.43	PASS
Band4	3	19965	1	#0	QPSK	20.85	1.2	22.05	PASS
Band4	3	19965	1	#Mid	QPSK	21.21	1.2	22.41	PASS
Band4	3	19965	1	#Max	QPSK	21.46	1.2	22.66	PASS
Band4	3	19965	8	#0	QPSK	20.04	1.2	21.24	PASS
Band4	3	19965	8	#Mid	QPSK	20.21	1.2	21.41	PASS
Band4	3	19965	8	#Max	QPSK	20.47	1.2	21.67	PASS
Band4	3	19965	15	#0	QPSK	20.23	1.2	21.43	PASS
Band4	3	19965	1	#0	16QAM	20.38	1.2	21.58	PASS
Band4	3	19965	1	#Mid	16QAM	20.79	1.2	21.99	PASS
Band4	3	19965	1	#Max	16QAM	21.00	1.2	22.20	PASS
Band4	3	19965	8	#0	16QAM	19.26	1.2	20.46	PASS
Band4	3	19965	8	#Mid	16QAM	19.43	1.2	20.63	PASS
Band4	3	19965	8	#Max	16QAM	19.60	1.2	20.80	PASS
Band4	3	19965	15	#0	16QAM	19.47	1.2	20.67	PASS
Band4	3	20175	1	#0	QPSK	20.14	1.2	21.34	PASS
Band4	3	20175	1	#Mid	QPSK	20.13	1.2	21.33	PASS
Band4	3	20175	1	#Max	QPSK	19.95	1.2	21.15	PASS
Band4	3	20175	8	#0	QPSK	19.07	1.2	20.27	PASS
Band4	3	20175	8	#Mid	QPSK	19.08	1.2	20.28	PASS
Band4	3	20175	8	#Max	QPSK	19.00	1.2	20.20	PASS
Band4	3	20175	15	#0	QPSK	19.03	1.2	20.23	PASS
Band4	3	20175	1	#0	16QAM	19.36	1.2	20.56	PASS
Band4	3	20175	1	#Mid	16QAM	19.39	1.2	20.59	PASS
Band4	3	20175	1	#Max	16QAM	19.21	1.2	20.41	PASS
Band4	3	20175	8	#0	16QAM	18.18	1.2	19.38	PASS
Band4	3	20175	8	#Mid	16QAM	18.17	1.2	19.37	PASS
Band4	3	20175	8	#Max	16QAM	18.18	1.2	19.38	PASS
Band4	3	20175	15	#0	16QAM	18.09	1.2	19.29	PASS
Band4	3	20385	1	#0	QPSK	21.73	1.2	22.93	PASS
Band4	3	20385	1	#Mid	QPSK	21.87	1.2	23.07	PASS
Band4	3	20385	1	#Max	QPSK	21.67	1.2	22.87	PASS
Band4	3	20385	8	#0	QPSK	20.81	1.2	22.01	PASS
Band4	3	20385	8	#Mid	QPSK	20.84	1.2	22.04	PASS
Band4	3	20385	8	#Max	QPSK	20.80	1.2	22.00	PASS
Band4	3	20385	15	#0	QPSK	20.81	1.2	22.01	PASS
Band4	3	20385	1	#0	16QAM	20.70	1.2	21.90	PASS
Band4	3	20385	1	#Mid	16QAM	20.79	1.2	21.99	PASS
Band4	3	20385	1	#Max	16QAM	20.56	1.2	21.76	PASS
Band4	3	20385	8	#0	16QAM	19.98	1.2	21.18	PASS

Band4	3	20385	8	#Mid	16QAM	20.06	1.2	21.26	PASS
Band4	3	20385	8	#Max	16QAM	19.99	1.2	21.19	PASS
Band4	3	20385	15	#0	16QAM	20.01	1.2	21.21	PASS
Band4	5	19975	1	#0	QPSK	21.36	1.2	22.56	PASS
Band4	5	19975	1	#Mid	QPSK	21.72	1.2	22.92	PASS
Band4	5	19975	1	#Max	QPSK	22.11	1.2	23.31	PASS
Band4	5	19975	12	#0	QPSK	20.24	1.2	21.44	PASS
Band4	5	19975	12	#Mid	QPSK	20.62	1.2	21.82	PASS
Band4	5	19975	12	#Max	QPSK	20.88	1.2	22.08	PASS
Band4	5	19975	25	#0	QPSK	20.57	1.2	21.77	PASS
Band4	5	19975	1	#0	16QAM	20.74	1.2	21.94	PASS
Band4	5	19975	1	#Mid	16QAM	21.31	1.2	22.51	PASS
Band4	5	19975	1	#Max	16QAM	21.72	1.2	22.92	PASS
Band4	5	19975	12	#0	16QAM	19.40	1.2	20.60	PASS
Band4	5	19975	12	#Mid	16QAM	19.75	1.2	20.95	PASS
Band4	5	19975	12	#Max	16QAM	20.02	1.2	21.22	PASS
Band4	5	19975	25	#0	16QAM	19.65	1.2	20.85	PASS
Band4	5	20175	1	#0	QPSK	20.34	1.2	21.54	PASS
Band4	5	20175	1	#Mid	QPSK	20.09	1.2	21.29	PASS
Band4	5	20175	1	#Max	QPSK	20.21	1.2	21.41	PASS
Band4	5	20175	12	#0	QPSK	19.00	1.2	20.20	PASS
Band4	5	20175	12	#Mid	QPSK	19.03	1.2	20.23	PASS
Band4	5	20175	12	#Max	QPSK	18.90	1.2	20.10	PASS
Band4	5	20175	25	#0	QPSK	18.95	1.2	20.15	PASS
Band4	5	20175	1	#0	16QAM	19.64	1.2	20.84	PASS
Band4	5	20175	1	#Mid	16QAM	19.53	1.2	20.73	PASS
Band4	5	20175	1	#Max	16QAM	19.45	1.2	20.65	PASS
Band4	5	20175	12	#0	16QAM	18.11	1.2	19.31	PASS
Band4	5	20175	12	#Mid	16QAM	18.11	1.2	19.31	PASS
Band4	5	20175	12	#Max	16QAM	18.04	1.2	19.24	PASS
Band4	5	20175	25	#0	16QAM	18.18	1.2	19.38	PASS
Band4	5	20375	1	#0	QPSK	21.47	1.2	22.67	PASS
Band4	5	20375	1	#Mid	QPSK	21.67	1.2	22.87	PASS
Band4	5	20375	1	#Max	QPSK	21.55	1.2	22.75	PASS
Band4	5	20375	12	#0	QPSK	20.65	1.2	21.85	PASS
Band4	5	20375	12	#Mid	QPSK	20.86	1.2	22.06	PASS
Band4	5	20375	12	#Max	QPSK	20.79	1.2	21.99	PASS
Band4	5	20375	25	#0	QPSK	20.79	1.2	21.99	PASS
Band4	5	20375	1	#0	16QAM	20.98	1.2	22.18	PASS
Band4	5	20375	1	#Mid	16QAM	21.24	1.2	22.44	PASS
Band4	5	20375	1	#Max	16QAM	21.12	1.2	22.32	PASS
Band4	5	20375	12	#0	16QAM	19.79	1.2	20.99	PASS
Band4	5	20375	12	#Mid	16QAM	19.97	1.2	21.17	PASS

Band4	5	20375	12	#Max	16QAM	19.88	1.2	21.08	PASS
Band4	5	20375	25	#0	16QAM	19.79	1.2	20.99	PASS
Band4	10	20000	1	#0	QPSK	21.49	1.2	22.69	PASS
Band4	10	20000	1	#Mid	QPSK	22.04	1.2	23.24	PASS
Band4	10	20000	1	#Max	QPSK	21.35	1.2	22.55	PASS
Band4	10	20000	25	#0	QPSK	20.53	1.2	21.73	PASS
Band4	10	20000	25	#Mid	QPSK	20.95	1.2	22.15	PASS
Band4	10	20000	25	#Max	QPSK	20.73	1.2	21.93	PASS
Band4	10	20000	50	#0	QPSK	20.62	1.2	21.82	PASS
Band4	10	20175	1	#0	QPSK	20.50	1.2	21.70	PASS
Band4	10	20175	1	#Mid	QPSK	20.14	1.2	21.34	PASS
Band4	10	20175	1	#Max	QPSK	20.24	1.2	21.44	PASS
Band4	10	20175	25	#0	QPSK	18.89	1.2	20.09	PASS
Band4	10	20175	25	#Mid	QPSK	18.98	1.2	20.18	PASS
Band4	10	20175	25	#Max	QPSK	18.78	1.2	19.98	PASS
Band4	10	20175	50	#0	QPSK	18.84	1.2	20.04	PASS
Band4	10	20350	1	#0	QPSK	20.72	1.2	21.92	PASS
Band4	10	20350	1	#Mid	QPSK	21.39	1.2	22.59	PASS
Band4	10	20350	1	#Max	QPSK	21.52	1.2	22.72	PASS
Band4	10	20350	25	#0	QPSK	19.95	1.2	21.15	PASS
Band4	10	20350	25	#Mid	QPSK	20.48	1.2	21.68	PASS
Band4	10	20350	25	#Max	QPSK	20.58	1.2	21.78	PASS
Band4	10	20350	50	#0	QPSK	20.18	1.2	21.38	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	LV	NT	-10.33	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-7.95	-0.005	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-1.53	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-6.94	-0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-1.13	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-9.94	-0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	-8.03	-0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	-2.76	-0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	-12.20	-0.007	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	-1.44	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	-7.15	-0.004	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	-9.48	-0.005	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	-5.18	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-12.29	-0.007	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-13.45	-0.008	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-14.12	-0.008	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	-18.71	-0.011	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-18.07	-0.010	-2.5	2.5	PASS

Band 4	3	19965	15	#0	QPSK	LV	NT	-10.8 9	-0.00 6	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	NT	-3.38	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-8.93	-0.00 5	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-6.38	-0.00 4	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	3.20	0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-0.46	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	-9.16	-0.00 5	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	3.53	0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	-7.04	-0.00 4	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	-1.50	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	5.34	0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	5.65	0.003	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-2.86	-0.00 2	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	1.14	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	-11.90	-0.00 7	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	-0.73	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	-0.40	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	-8.21	-0.00 5	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-1.04	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-1.29	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	2.86	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	-15.2	-0.00	-2.5	2.5	PASS

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Band 4	5	19975	25	#0	16QAM	NV	NT	1.46	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	-0.24	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-9.53	-0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	-5.59	-0.003	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	0.99	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	-6.59	-0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	-5.51	-0.003	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	-8.27	-0.005	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	-5.06	-0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	-1.72	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-1.93	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-0.46	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	-12.27	-0.007	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	-7.07	-0.004	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-9.94	-0.006	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-9.44	-0.006	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	4.38	0.003	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	-5.38	-0.003	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	NT	-6.24	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	HV	NT	-13.02	-0.008	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-1.50	-0.001	-2.5	2.5	PASS

Band 4	10	20350	50	#0	QPSK	NV	NT	-5.41	-0.00 3	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-2.65	-0.00 2	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	NV	-30	-11.83	-0.00 7	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	-3.95	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	6.78	0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	-13.6 2	-0.00 8	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	-5.76	-0.00 3	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-30	-15.0 8	-0.00 9	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-20	-7.85	-0.00 5	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	0	-2.40	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	10	-0.01	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	20	-13.6 0	-0.00 8	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	-2.95	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	-0.80	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	-8.90	-0.00 5	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	-6.25	-0.00 4	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	-9.74	-0.00 6	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-30	-7.51	-0.00 4	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-20	-15.0 2	-0.00 9	-2.5	2.5	PASS

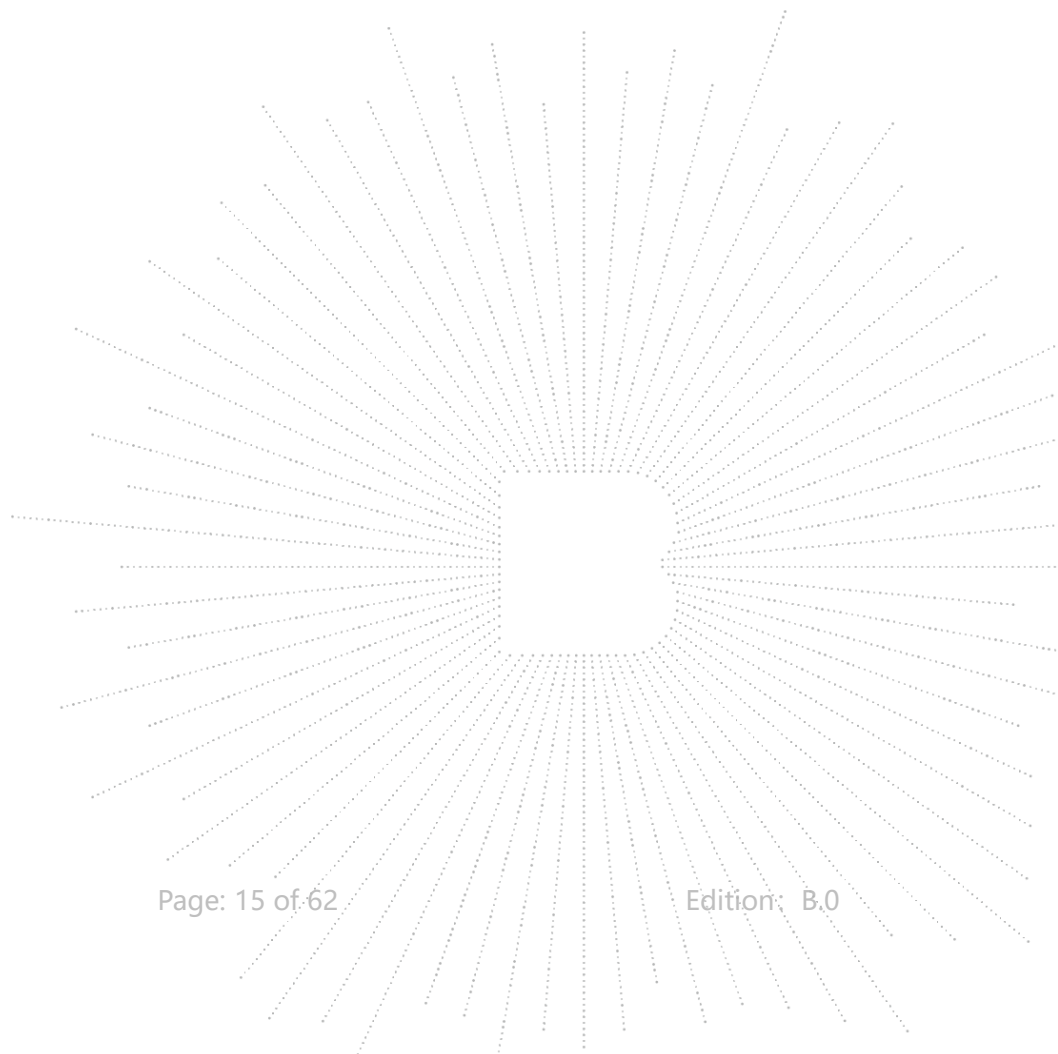
Band 4	1.4	20175	6	#0	16QAM	NV	0	-3.15	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	10	-0.54	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	20	-2.86	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	-5.89	-0.00 3	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-17.3 1	-0.01 0	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-0.47	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-7.37	-0.00 4	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-14.3 6	-0.00 8	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-30	-3.59	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-20	-8.75	-0.00 5	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	0	-5.81	-0.00 3	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	10	1.77	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	20	-1.53	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	-13.5 5	-0.00 8	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	-2.30	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	0.16	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	-17.8 8	-0.01 0	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	-6.52	-0.00 4	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-30	-4.53	-0.00 3	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-20	-8.94	-0.00 5	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	0	-4.16	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	10	-9.67	-0.00	-2.5	2.5	PASS

4								6				
Band 4	3	19965	15	#0	16QAM	NV	20	-9.70	-0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-7.62	-0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	-10.33	-0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-7.04	-0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	-12.12	-0.007	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	-6.90	-0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-30	5.66	0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-20	-13.62	-0.008	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	0	-10.21	-0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	10	-9.88	-0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	20	1.30	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	3.46	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	-3.98	-0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	0.63	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	-5.89	-0.003	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	-1.89	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-30	-8.23	-0.005	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-20	4.05	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	0	4.32	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	10	-5.16	-0.003	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	20	-11.16	-0.006	-2.5	2.5	PASS

Band 4	5	19975	25	#0	QPSK	NV	-30	-4.06	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	-6.07	-0.00 4	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	-22.4 2	-0.01 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	3.89	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	7.94	0.005	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-30	0.00	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-20	-3.18	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	0	-5.64	-0.00 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	10	-4.52	-0.00 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	20	-7.00	-0.00 4	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	-1.63	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	-7.02	-0.00 4	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	4.11	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	3.45	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	-9.90	-0.00 6	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-30	-1.54	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-20	3.52	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	0	-4.41	-0.00 3	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	10	-7.87	-0.00 5	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	20	-8.04	-0.00 5	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-30	1.86	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	-4.26	-0.00	-2.5	2.5	PASS

4								2				
Band 4	5	20375	25	#0	QPSK	NV	0	7.77	0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-7.08	-0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	11.72	0.007	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-30	-0.40	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-20	-3.92	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	0	-3.95	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	10	-1.27	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	20	-1.67	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	-11.60	-0.007	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-7.61	-0.004	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-3.62	-0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-5.22	-0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-6.02	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	-10.36	-0.006	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-20	-11.22	-0.006	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	0	-11.90	-0.007	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	0.54	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-7.34	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	-3.19	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	4.61	0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-6.79	-0.004	-2.5	2.5	PASS

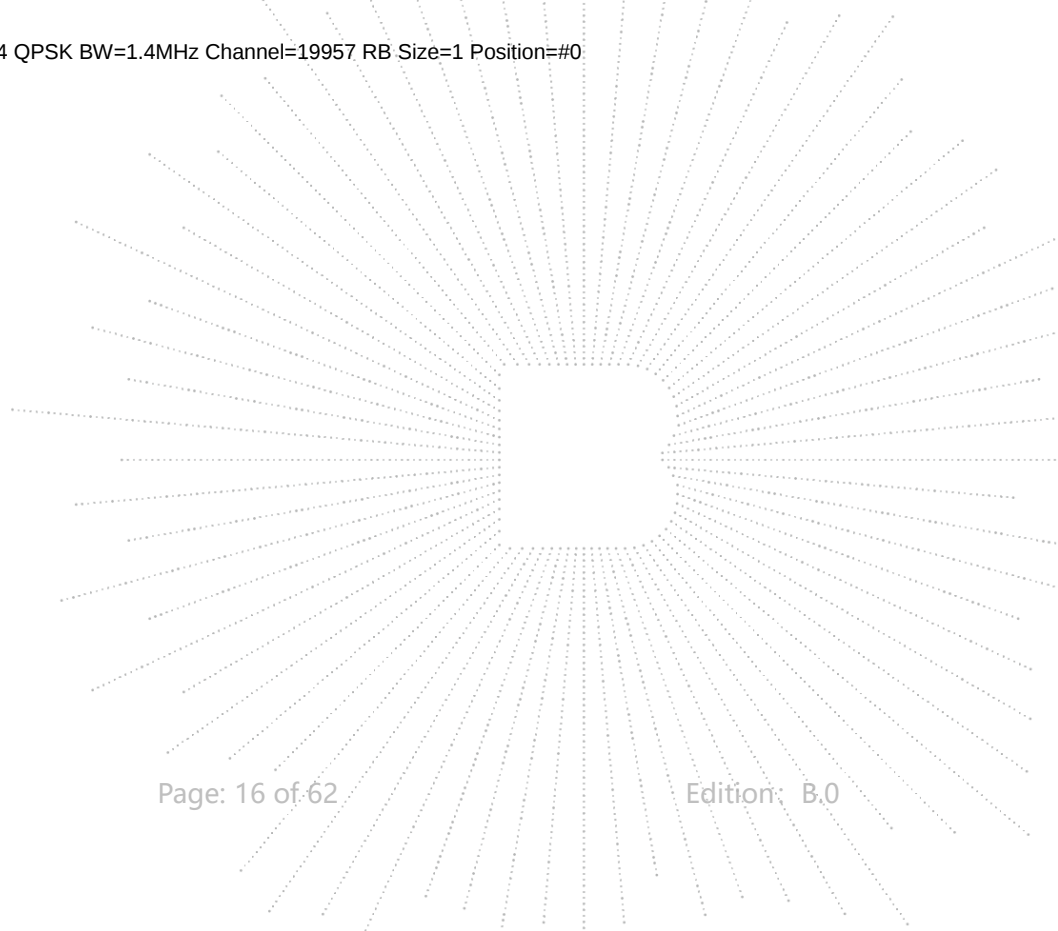
Band 4	10	20350	50	#0	QPSK	NV	10	-5.97	-0.00 3	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	-3.98	-0.00 2	-2.5	2.5	PASS

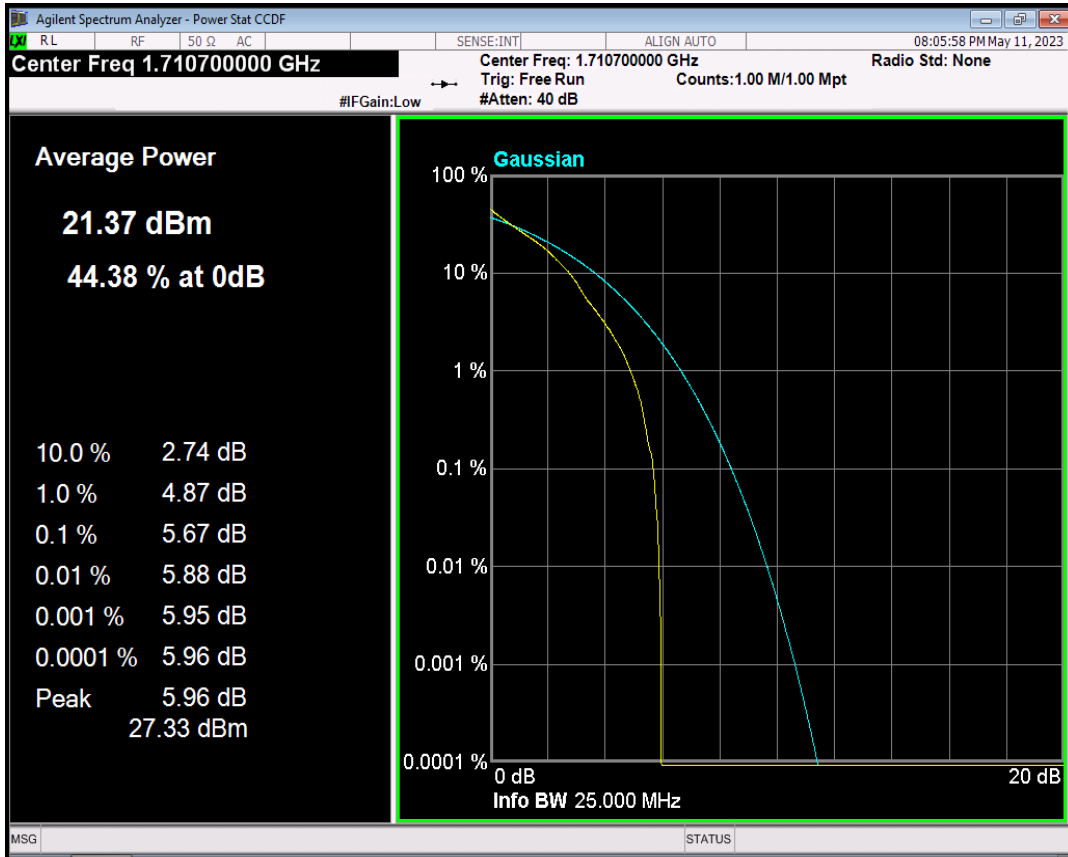


Appendix 3. Peak-to-Average Ratio

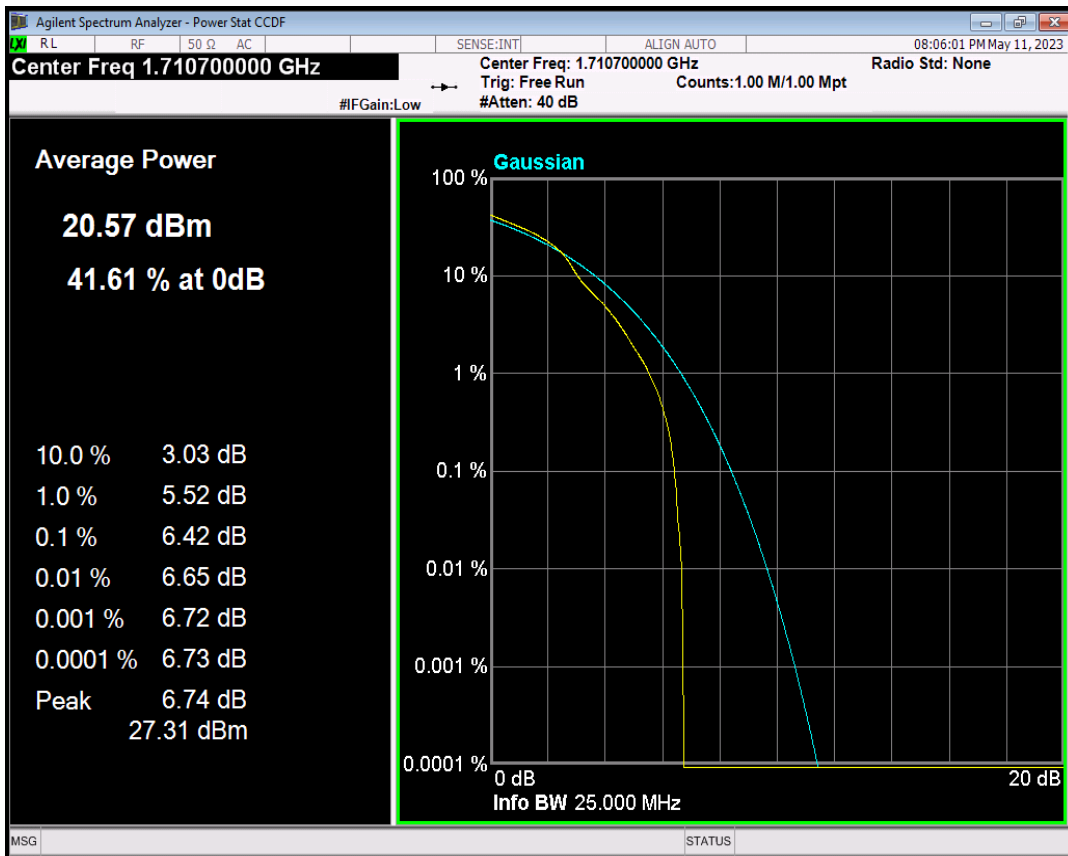
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.67	13	PASS
Band4	1.4	19957	1	#0	16QAM	6.42	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.96	13	PASS
Band4	1.4	20175	1	#0	16QAM	6.81	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.54	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.39	13	PASS
Band4	3	19965	1	#0	QPSK	5.67	13	PASS
Band4	3	19965	1	#0	16QAM	6.28	13	PASS
Band4	3	20175	1	#0	QPSK	5.97	13	PASS
Band4	3	20175	1	#0	16QAM	6.70	13	PASS
Band4	3	20385	1	#0	QPSK	4.88	13	PASS
Band4	3	20385	1	#0	16QAM	5.84	13	PASS
Band4	5	19975	1	#0	QPSK	5.69	13	PASS
Band4	5	19975	1	#0	16QAM	6.19	13	PASS
Band4	5	20175	1	#0	QPSK	5.65	13	PASS
Band4	5	20175	1	#0	16QAM	6.15	13	PASS
Band4	5	20375	1	#0	QPSK	4.86	13	PASS
Band4	5	20375	1	#0	16QAM	5.49	13	PASS
Band4	10	20000	1	#0	QPSK	5.37	13	PASS
Band4	10	20175	1	#0	QPSK	5.83	13	PASS
Band4	10	20350	1	#0	QPSK	5.64	13	PASS

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

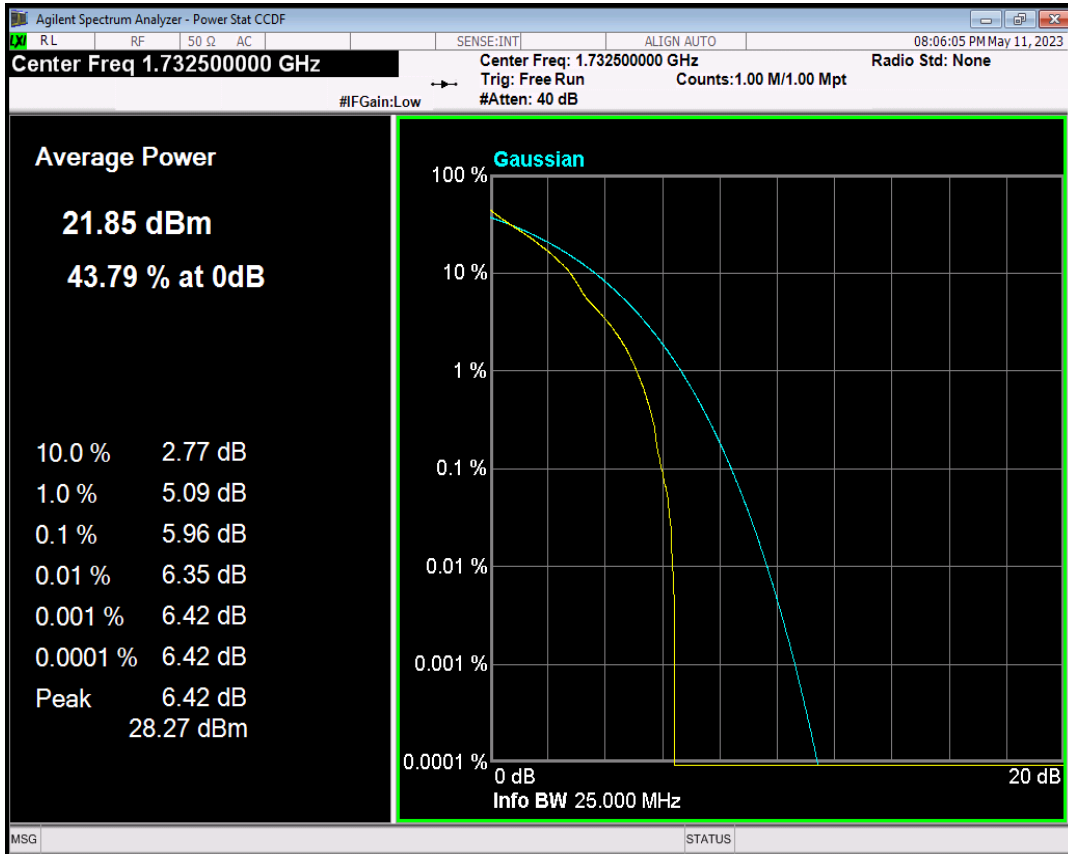




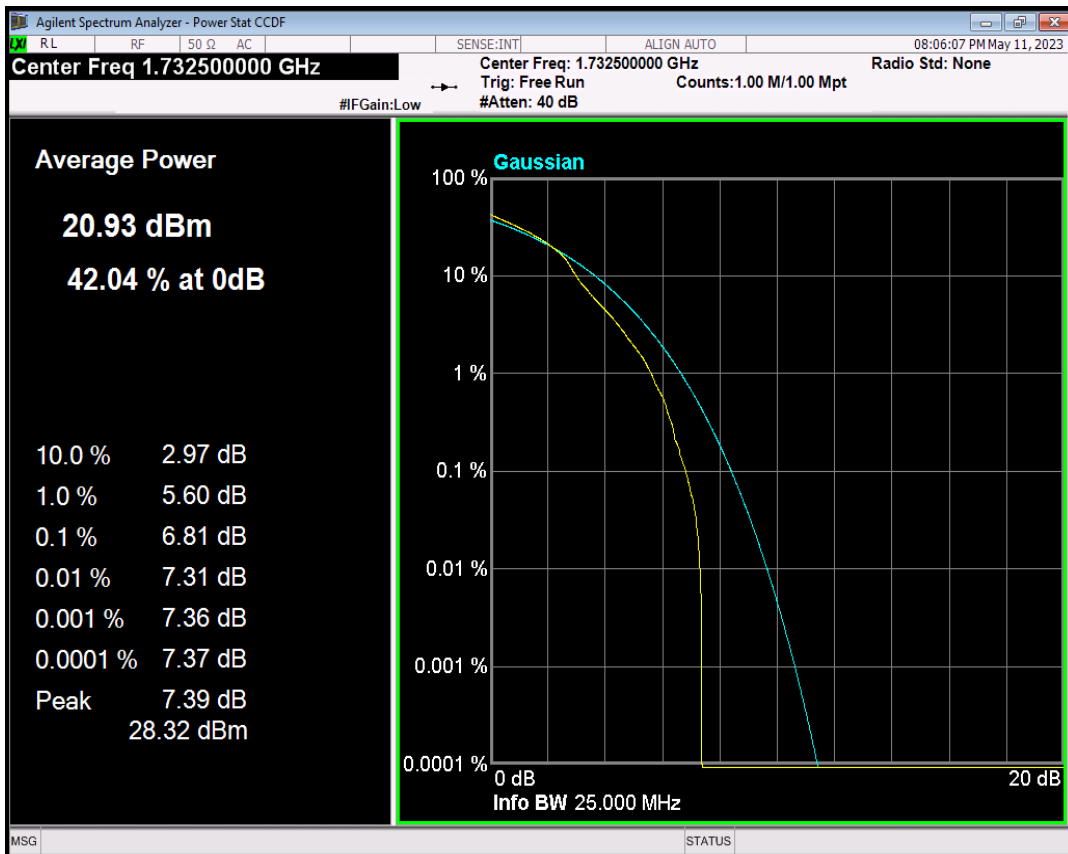
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



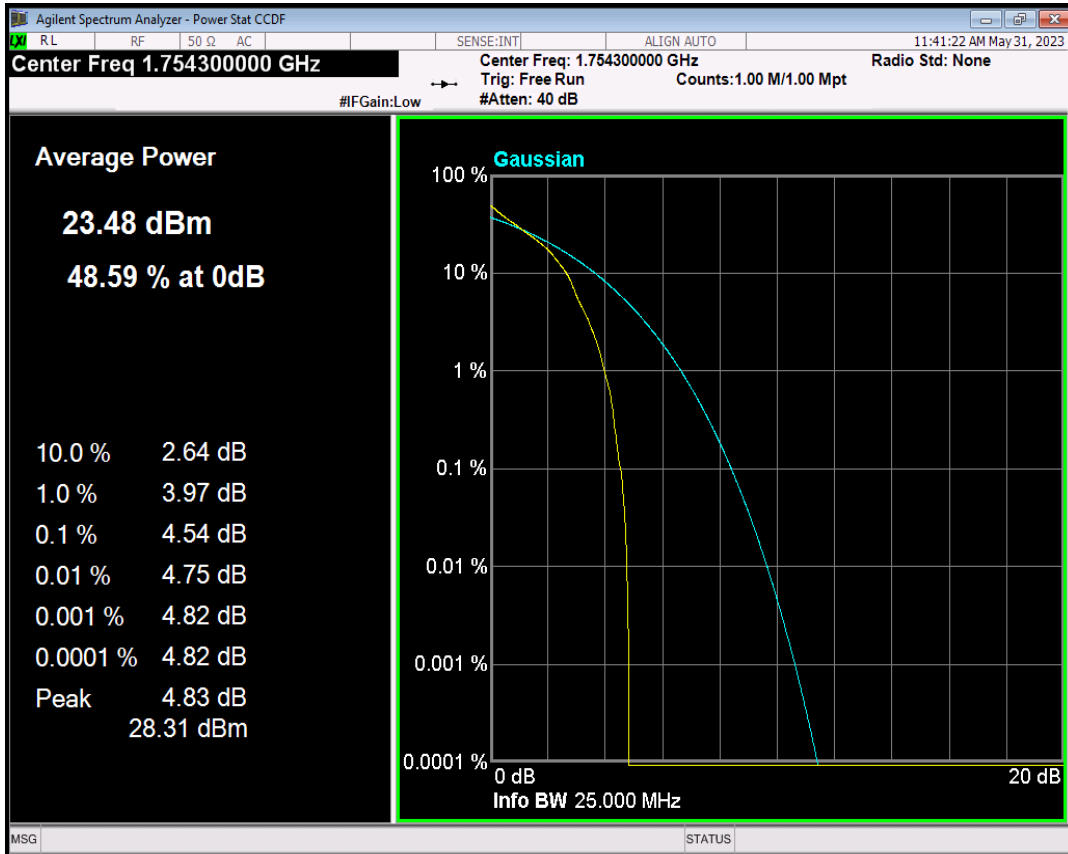
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



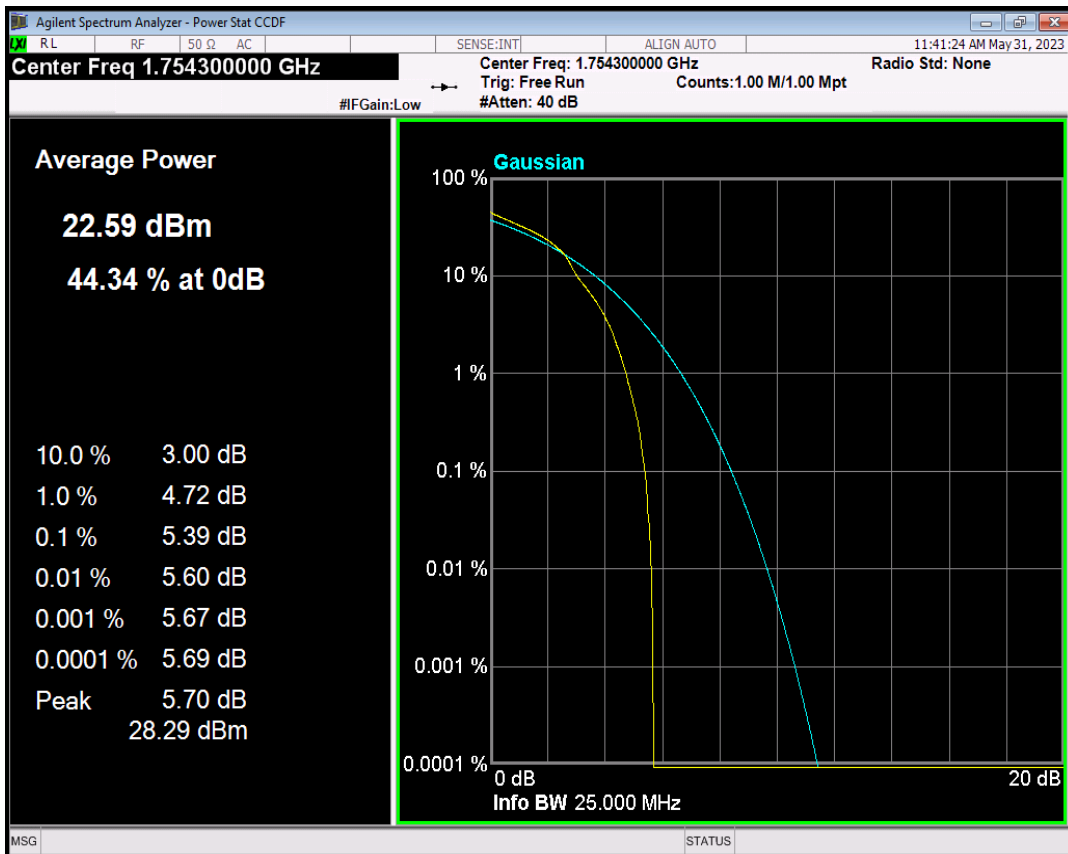
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



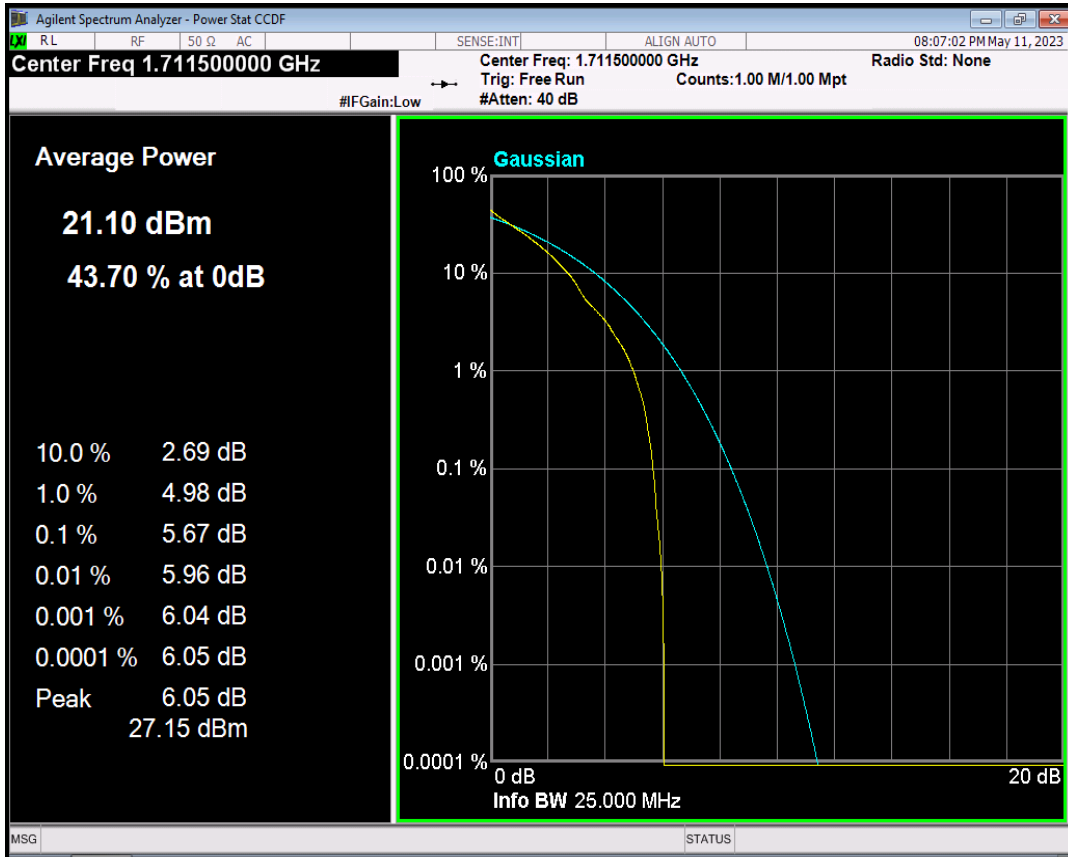
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



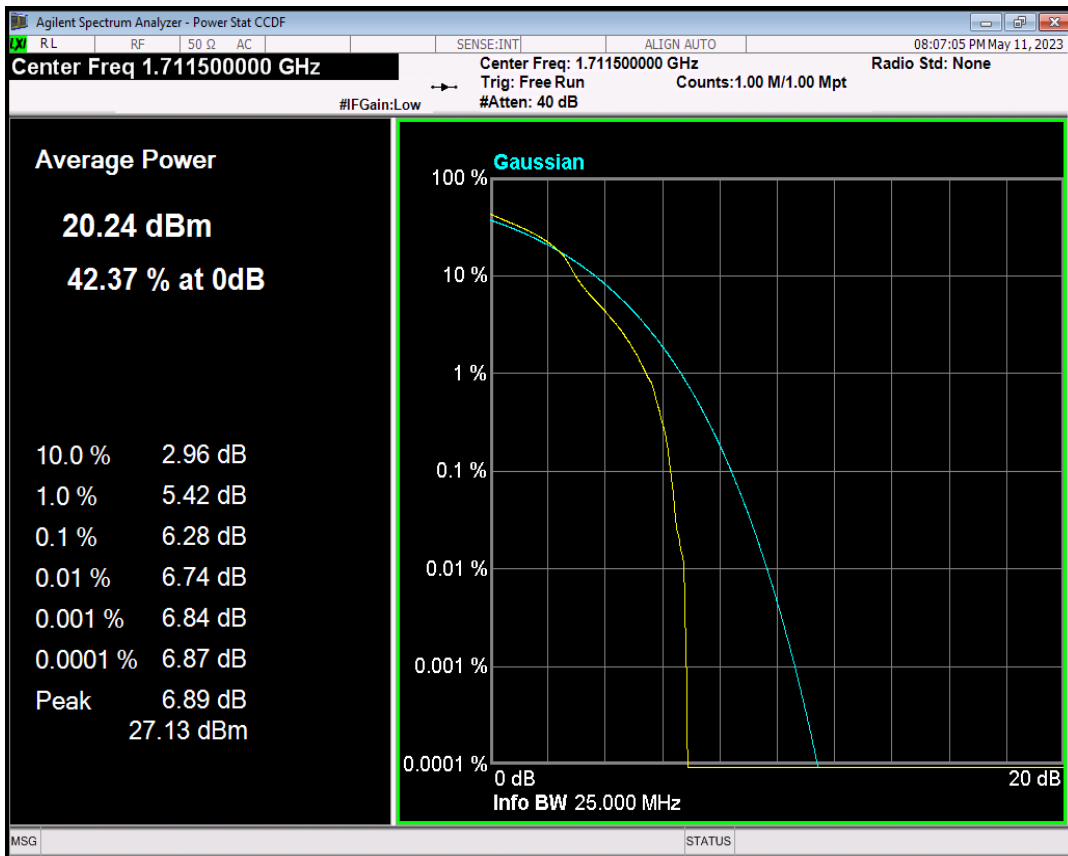
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



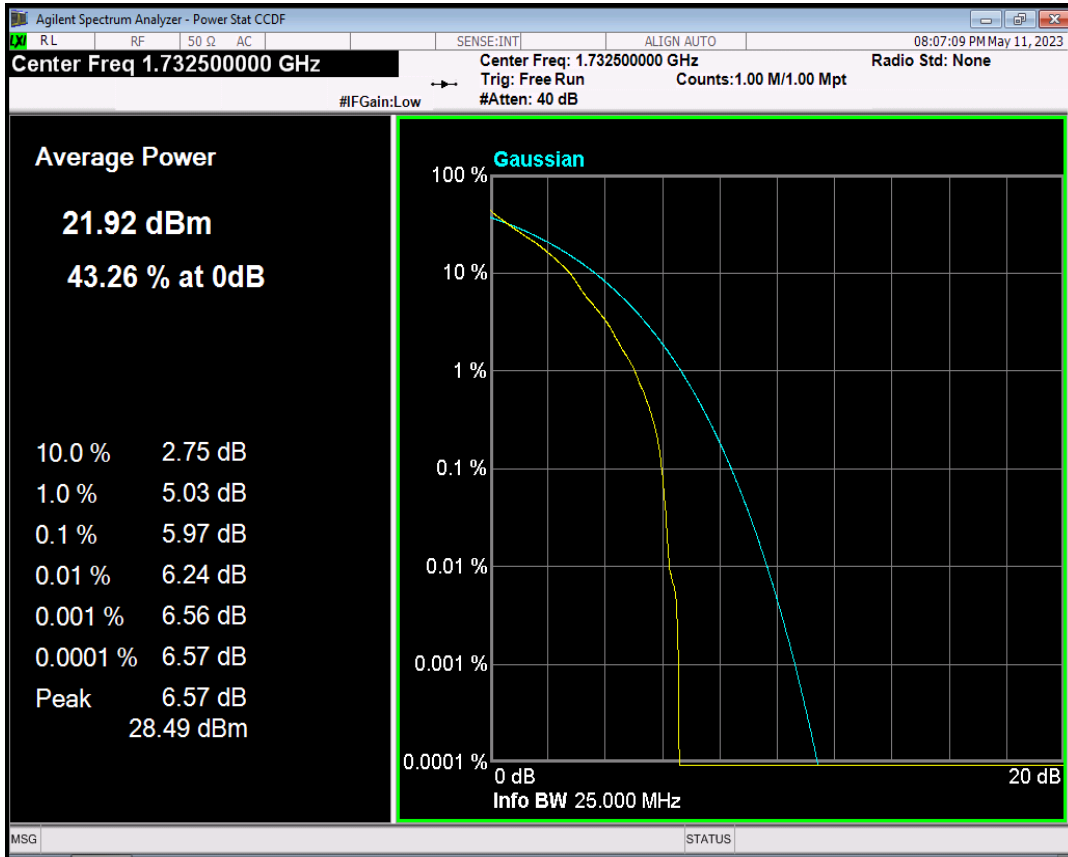
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



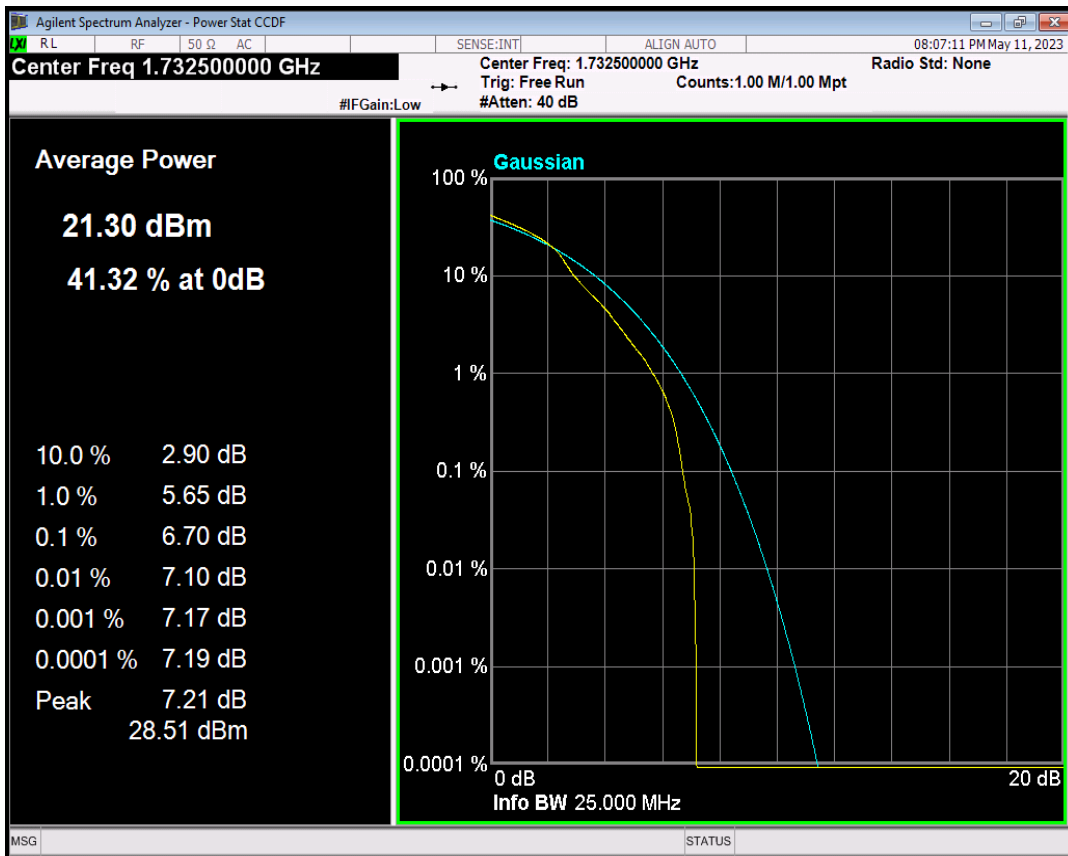
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



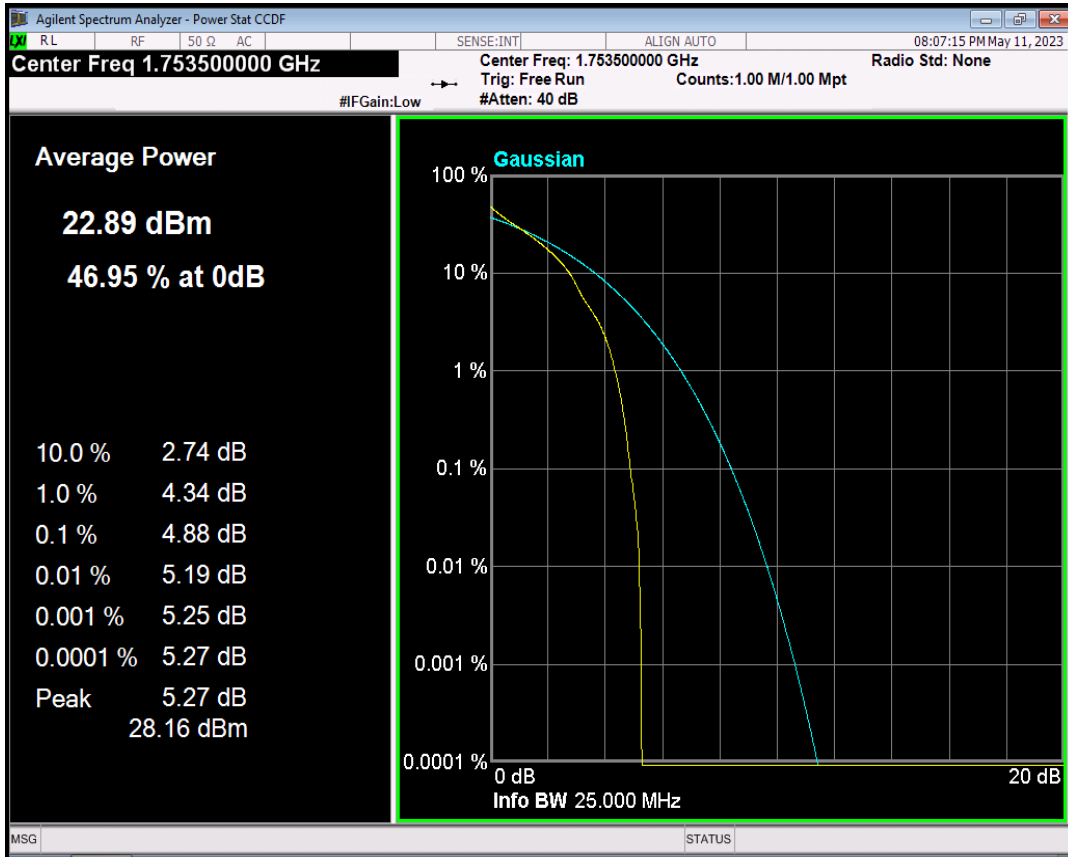
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



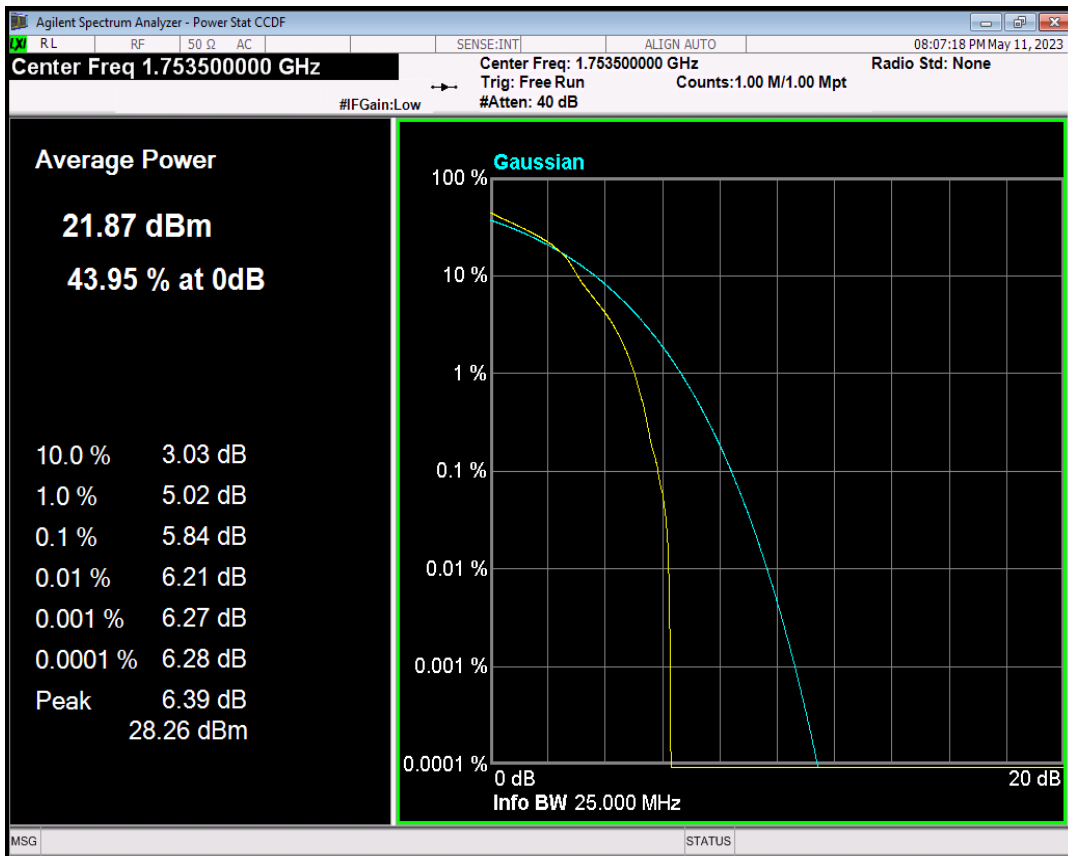
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



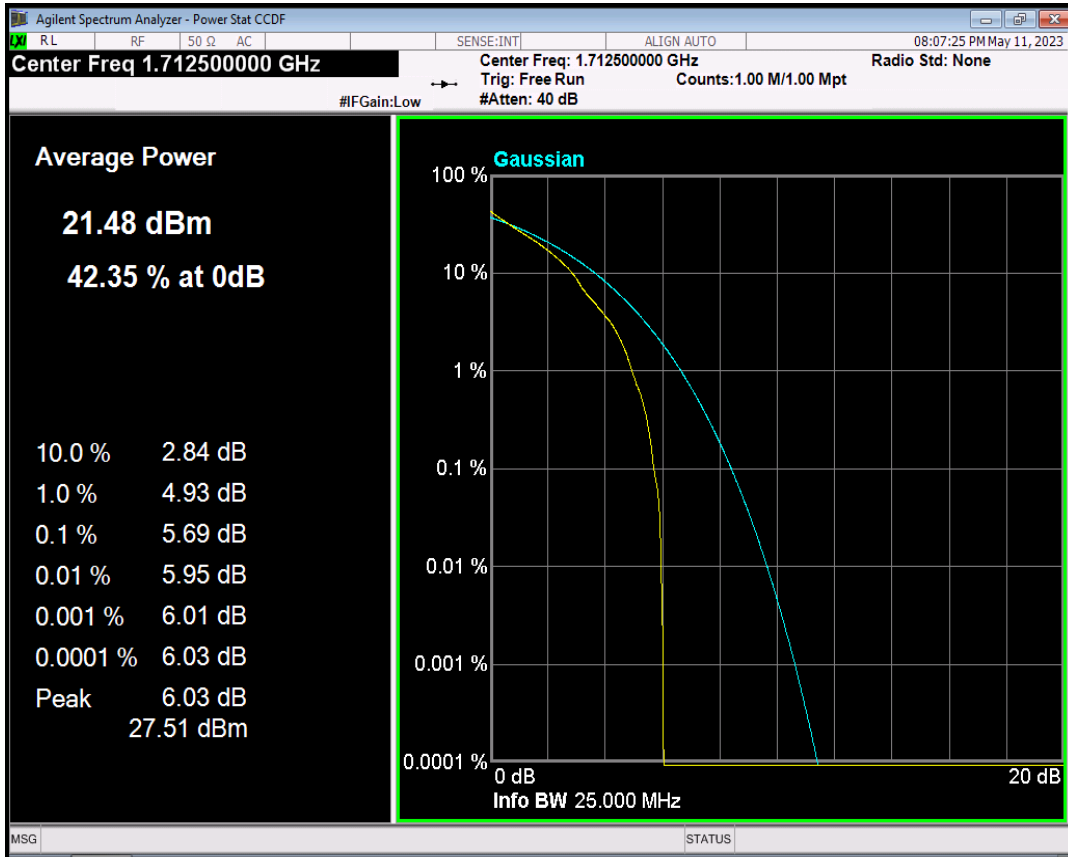
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



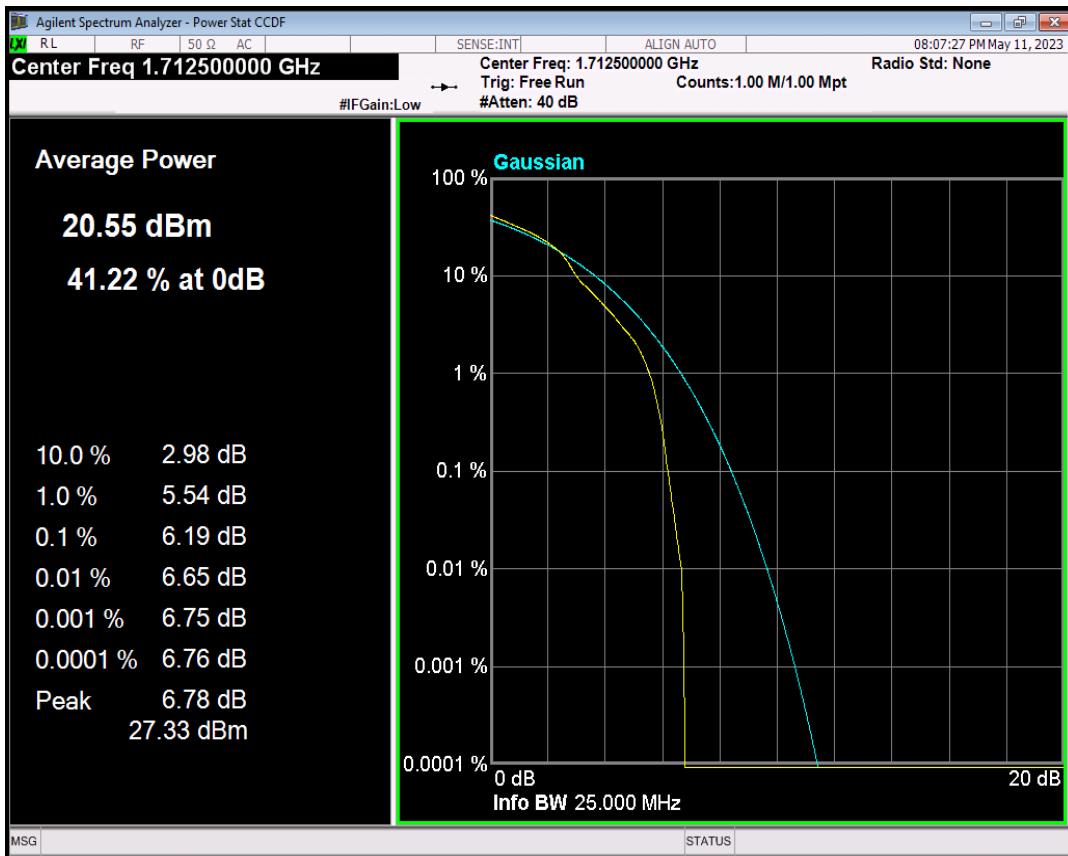
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



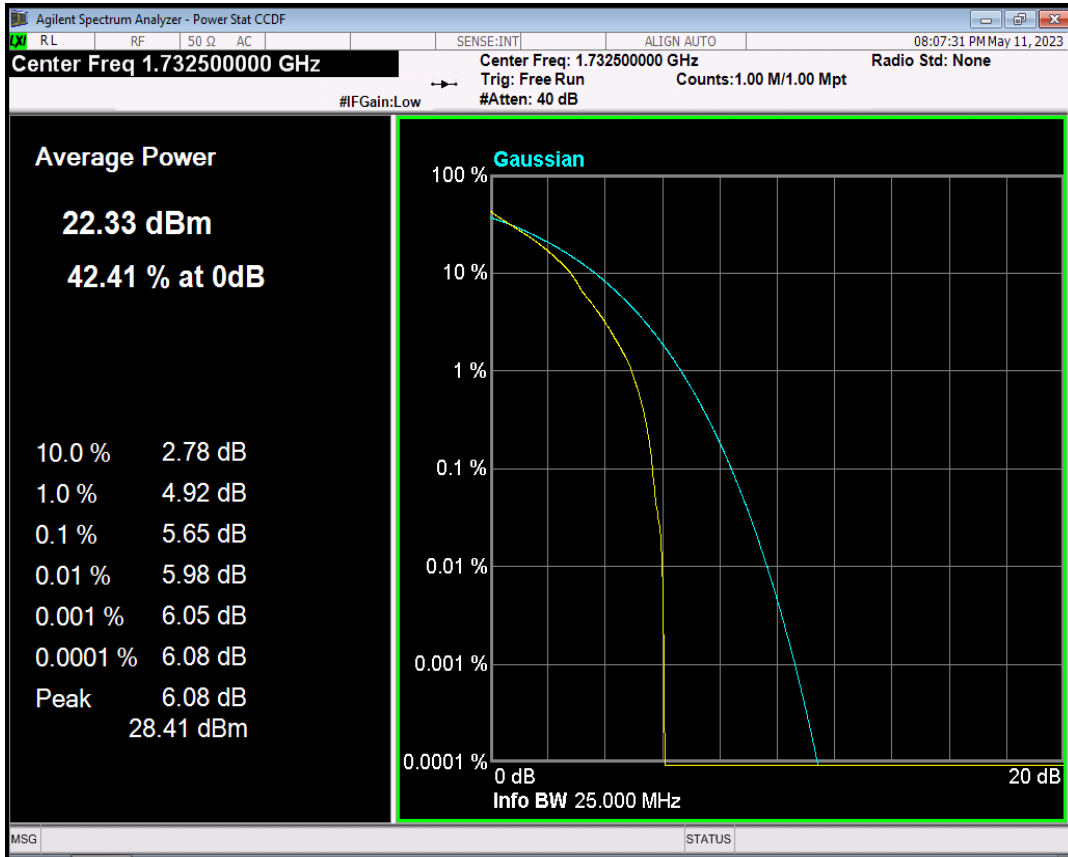
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



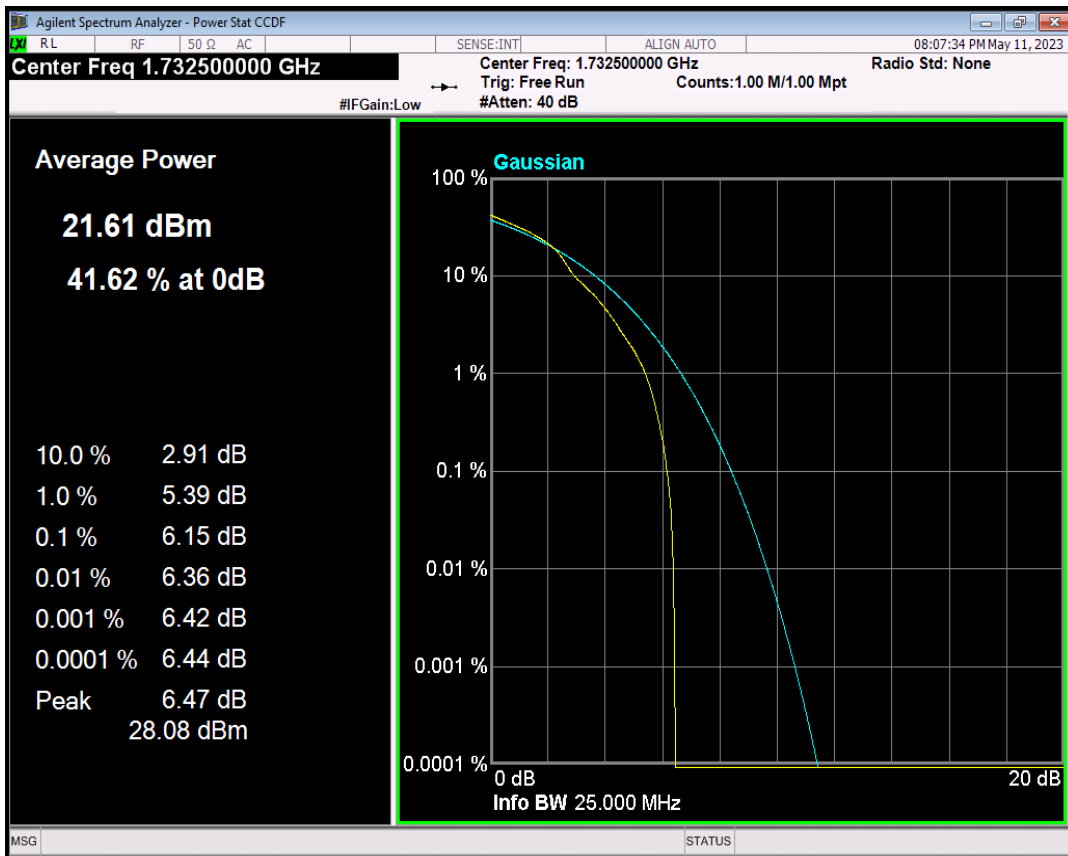
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



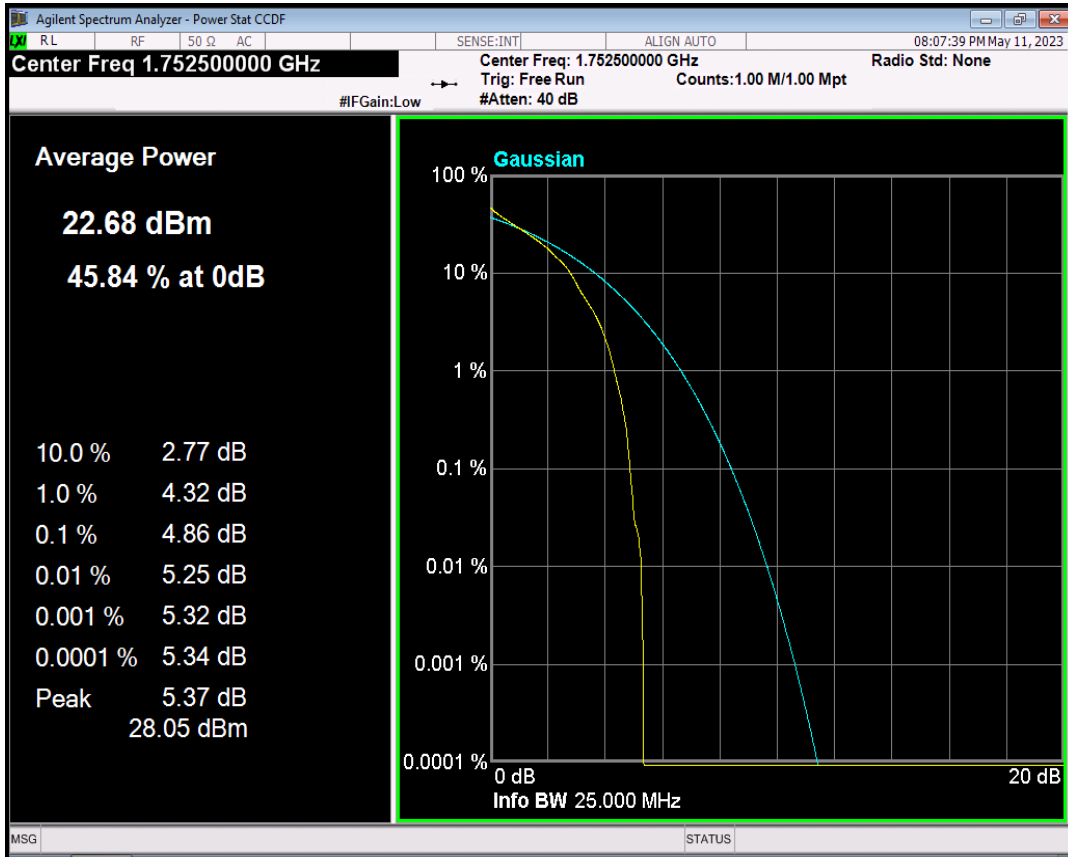
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



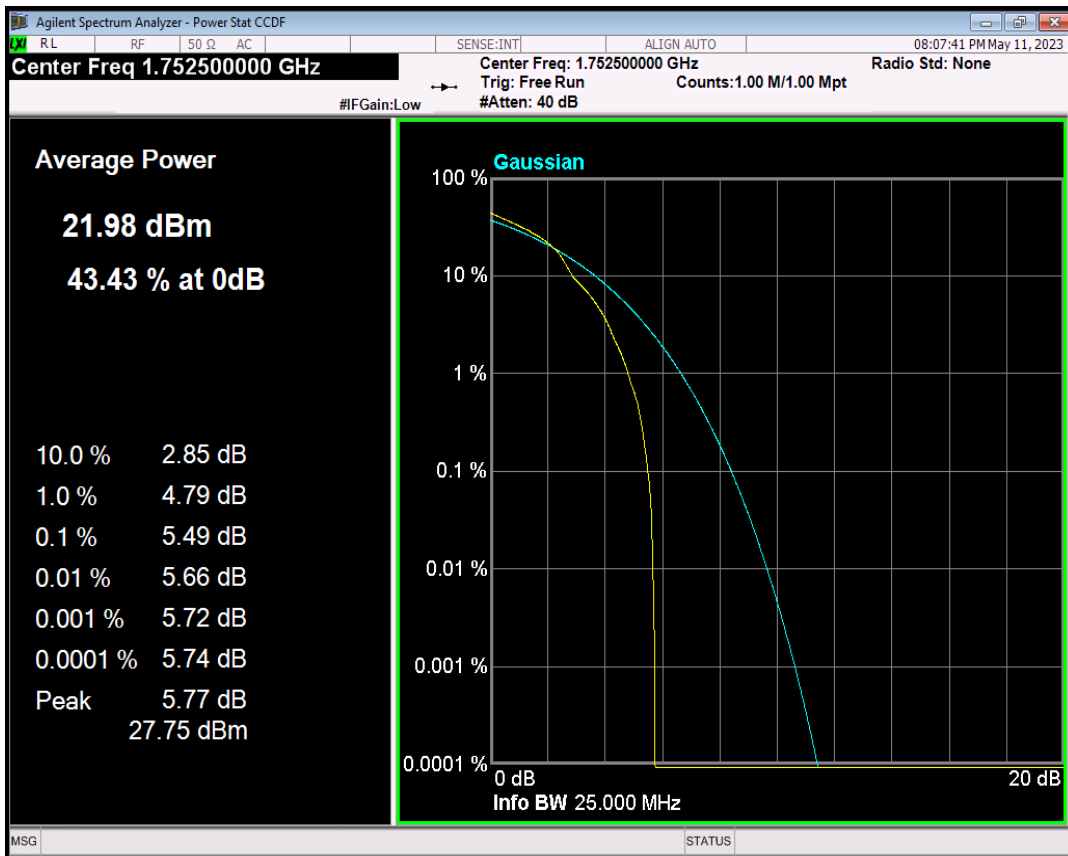
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



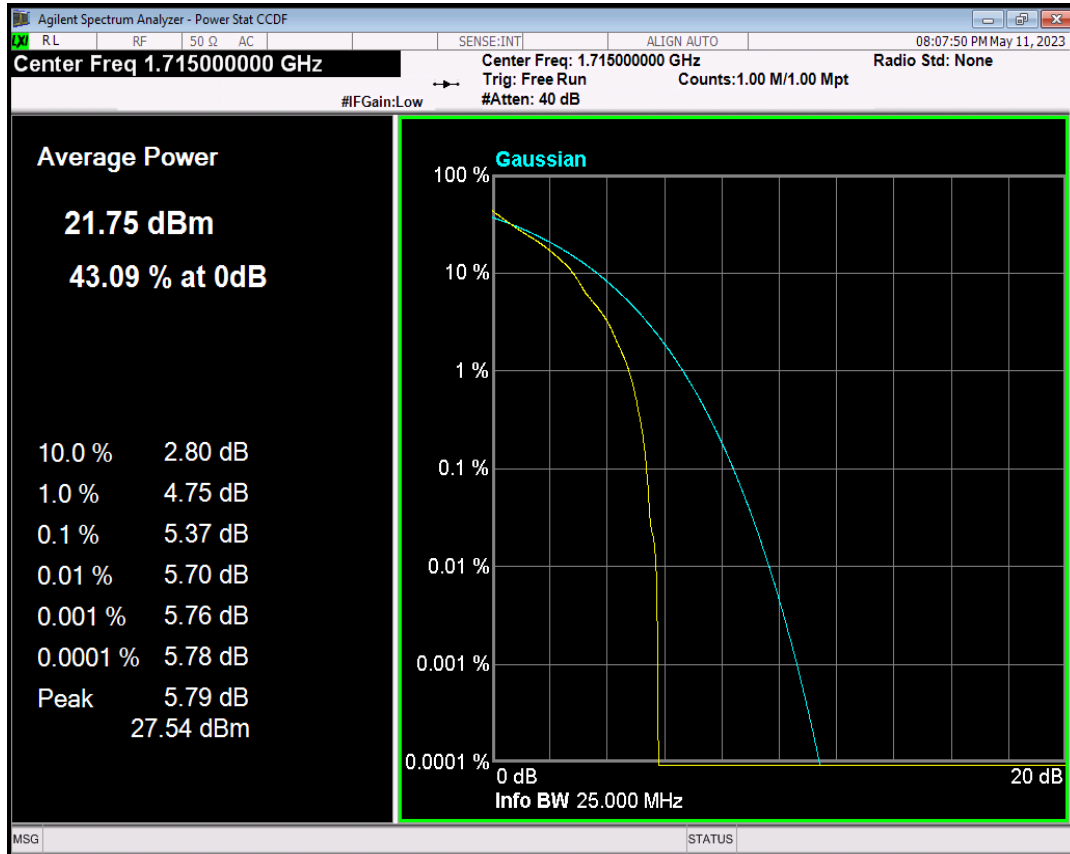
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



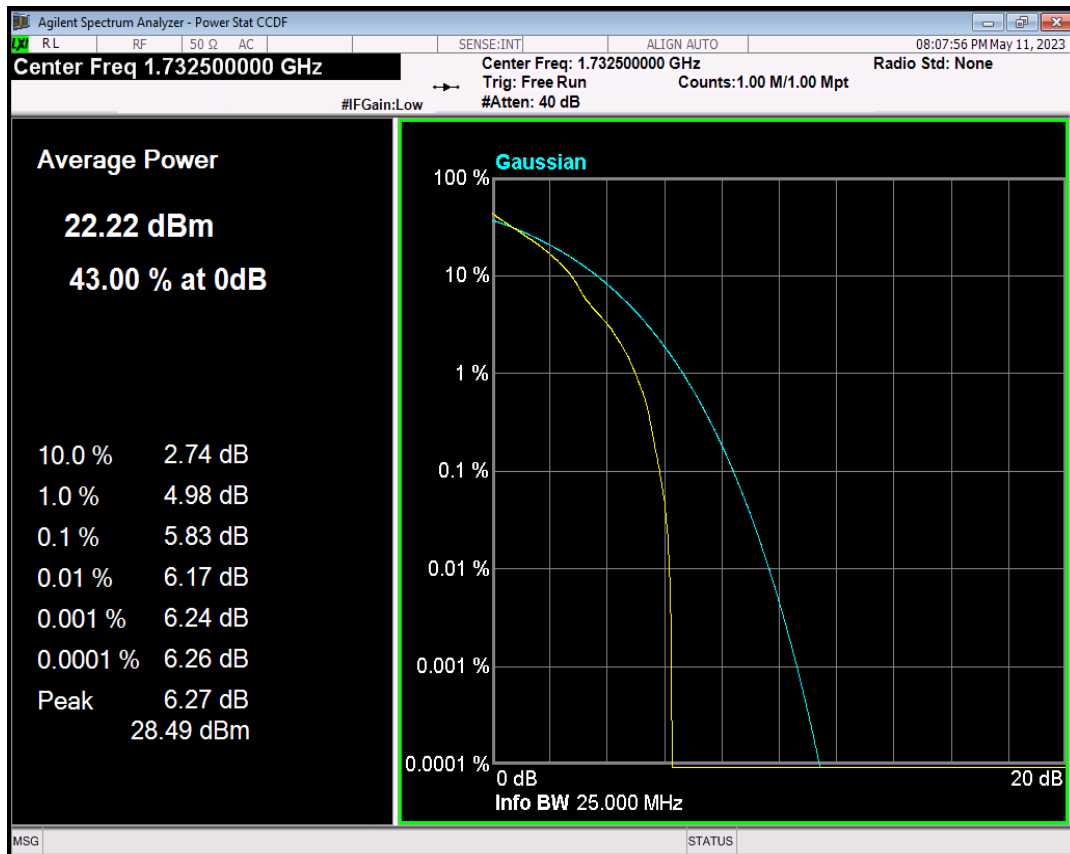
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



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

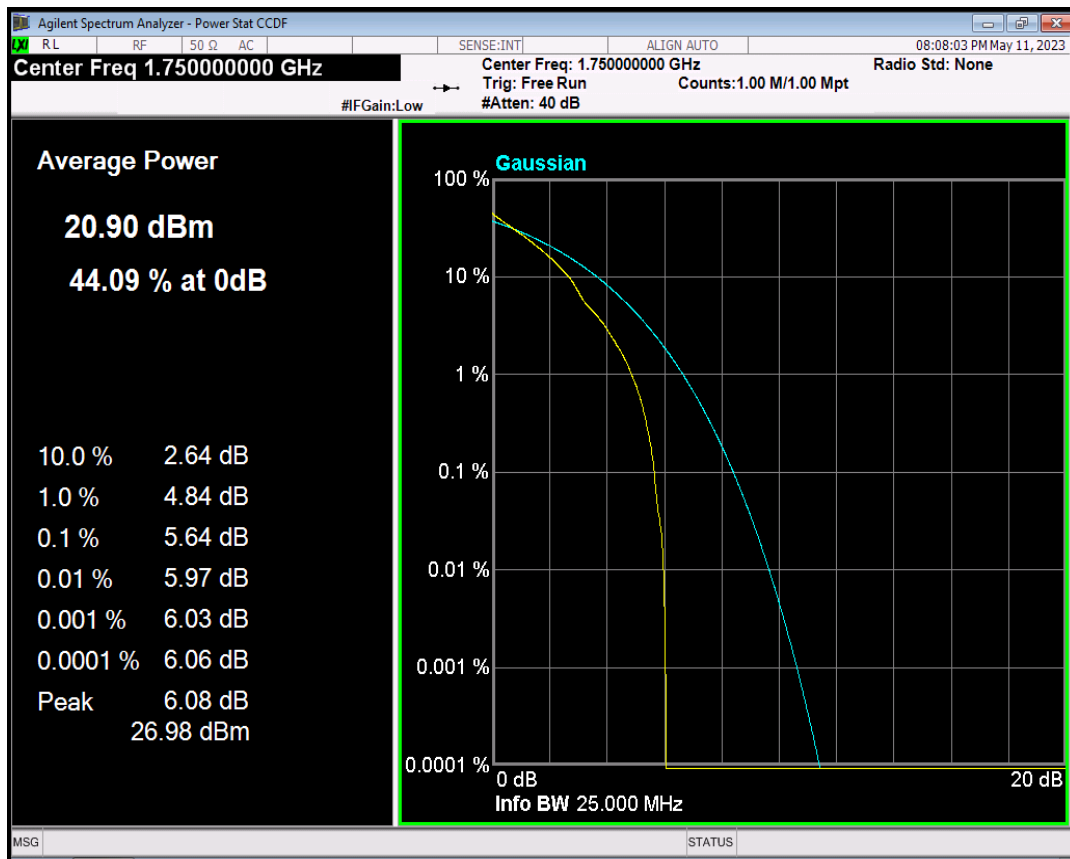


Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0





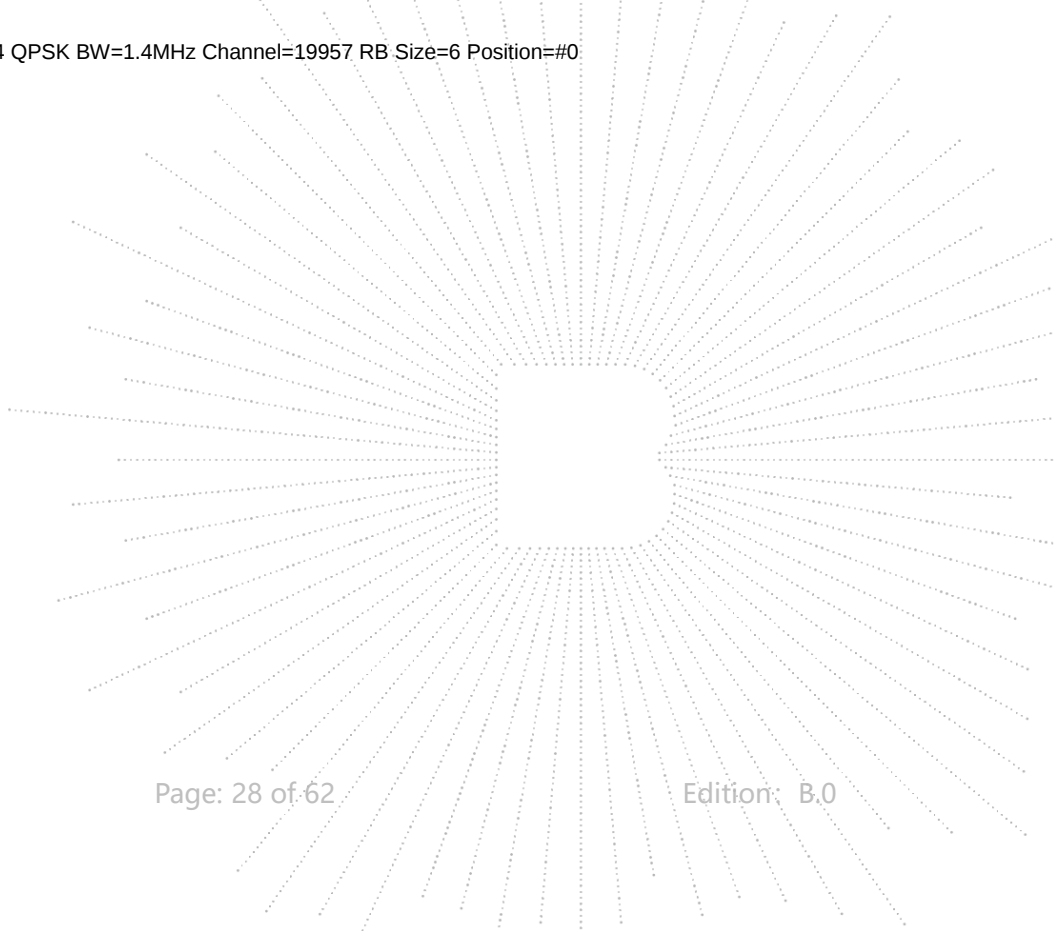
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

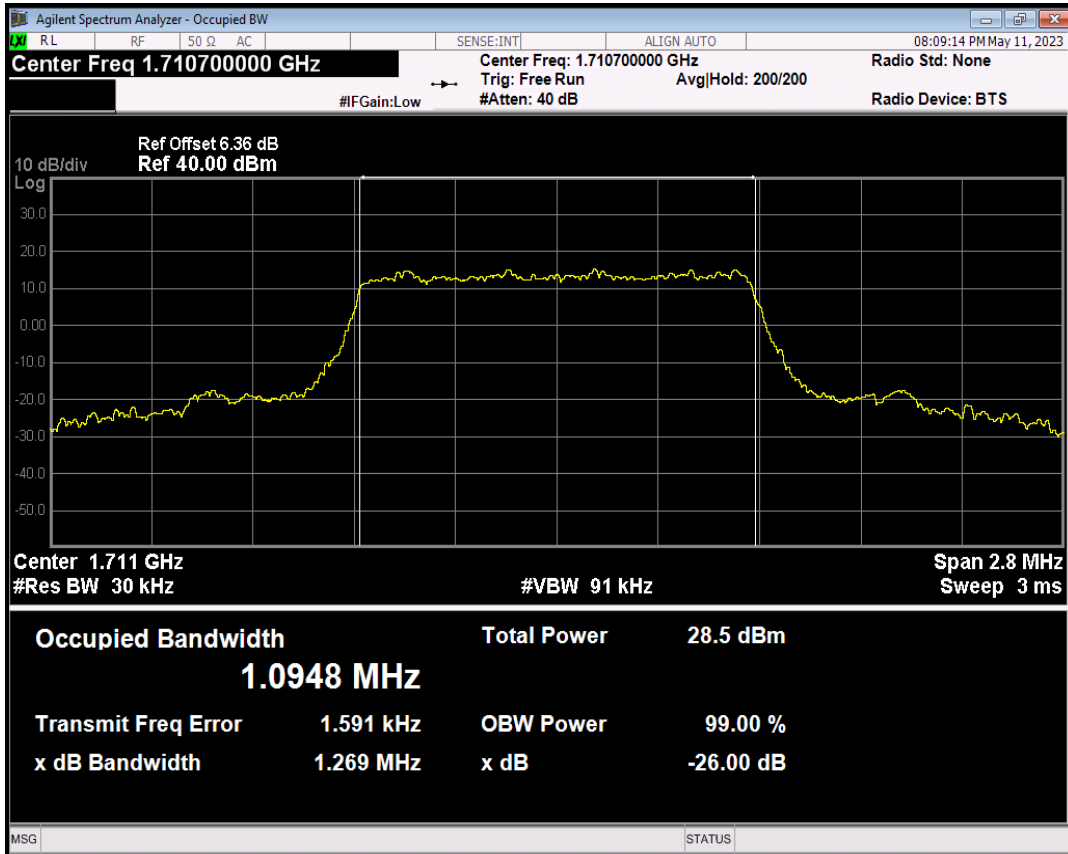


Appendix 4. Occupied bandwidth

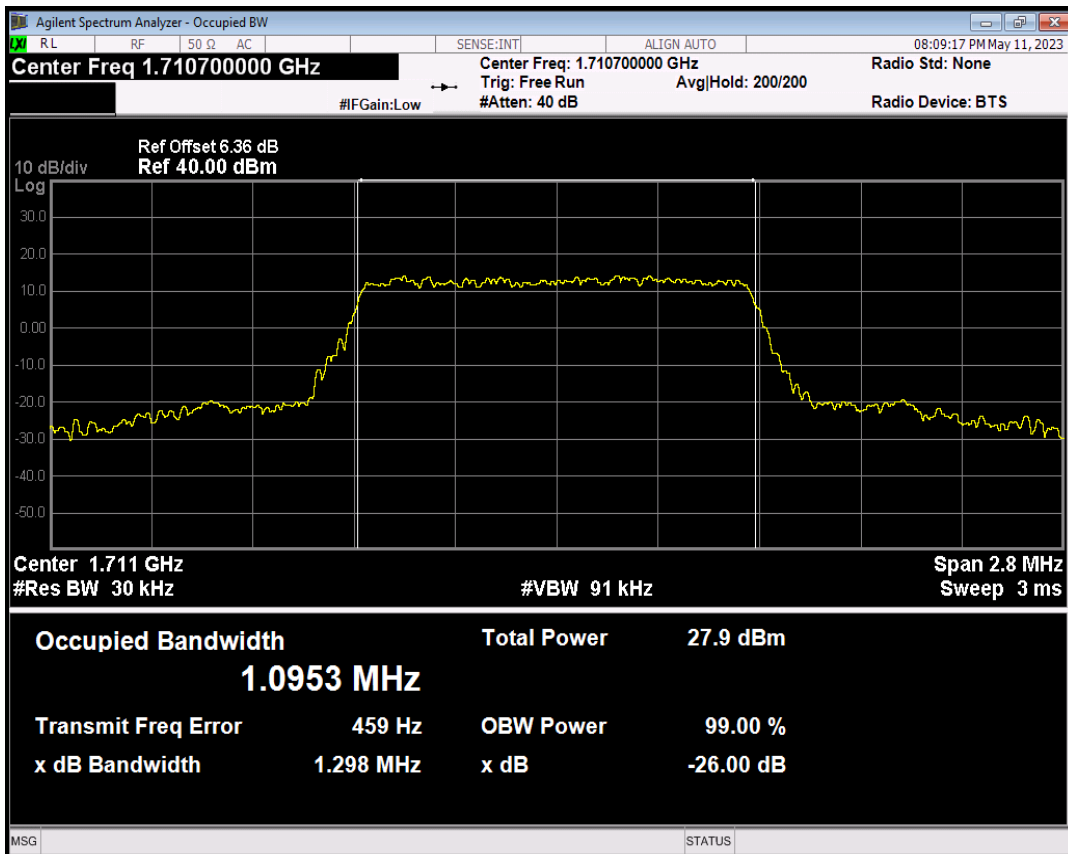
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.095	1.269	PASS
Band4	1.4	19957	6	#0	16QAM	1.095	1.298	PASS
Band4	1.4	20175	6	#0	QPSK	1.100	1.269	PASS
Band4	1.4	20175	6	#0	16QAM	1.095	1.254	PASS
Band4	1.4	20393	6	#0	QPSK	1.100	1.268	PASS
Band4	1.4	20393	6	#0	16QAM	1.093	1.268	PASS
Band4	3	19965	15	#0	QPSK	2.699	2.946	PASS
Band4	3	19965	15	#0	16QAM	2.694	2.934	PASS
Band4	3	20175	15	#0	QPSK	2.701	2.935	PASS
Band4	3	20175	15	#0	16QAM	2.696	2.932	PASS
Band4	3	20385	15	#0	QPSK	2.705	2.954	PASS
Band4	3	20385	15	#0	16QAM	2.692	2.947	PASS
Band4	5	19975	25	#0	QPSK	4.532	4.896	PASS
Band4	5	19975	25	#0	16QAM	4.504	4.905	PASS
Band4	5	20175	25	#0	QPSK	4.495	4.986	PASS
Band4	5	20175	25	#0	16QAM	4.521	4.927	PASS
Band4	5	20375	25	#0	QPSK	4.504	4.915	PASS
Band4	5	20375	25	#0	16QAM	4.499	4.976	PASS
Band4	10	20000	50	#0	QPSK	8.964	9.664	PASS
Band4	10	20175	50	#0	QPSK	8.945	9.619	PASS
Band4	10	20350	50	#0	QPSK	8.957	9.609	PASS

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

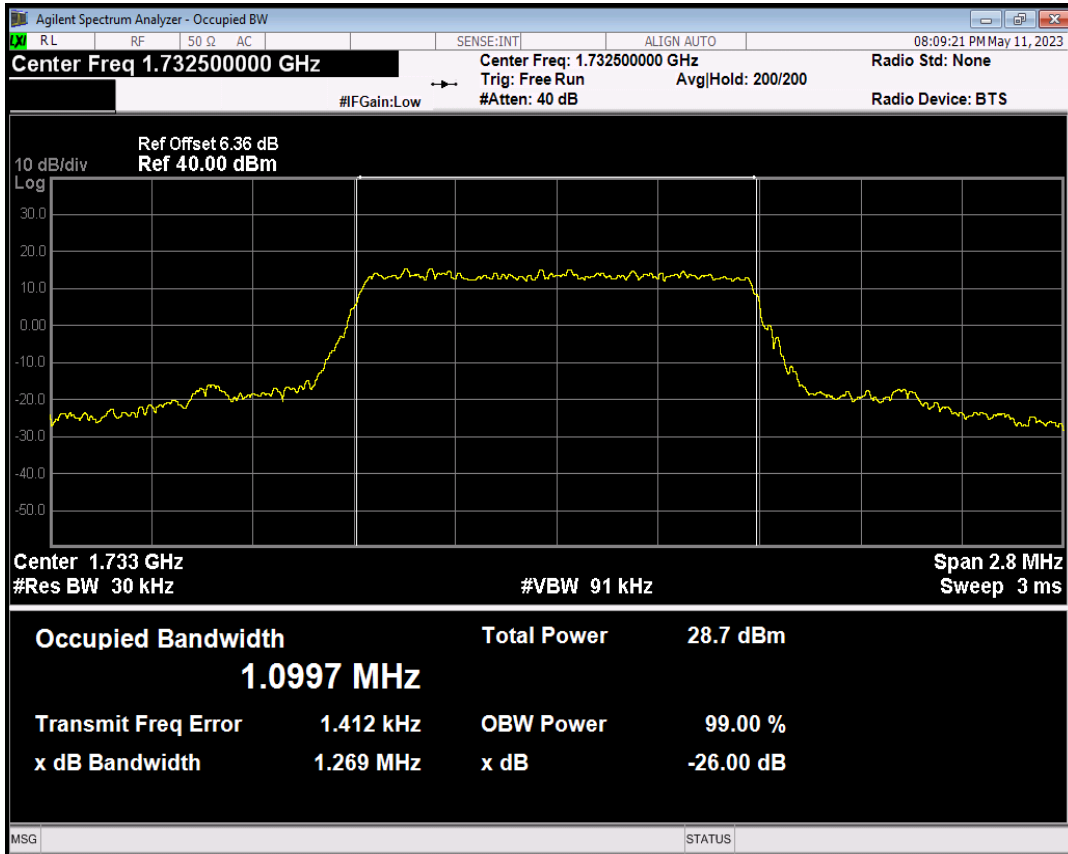




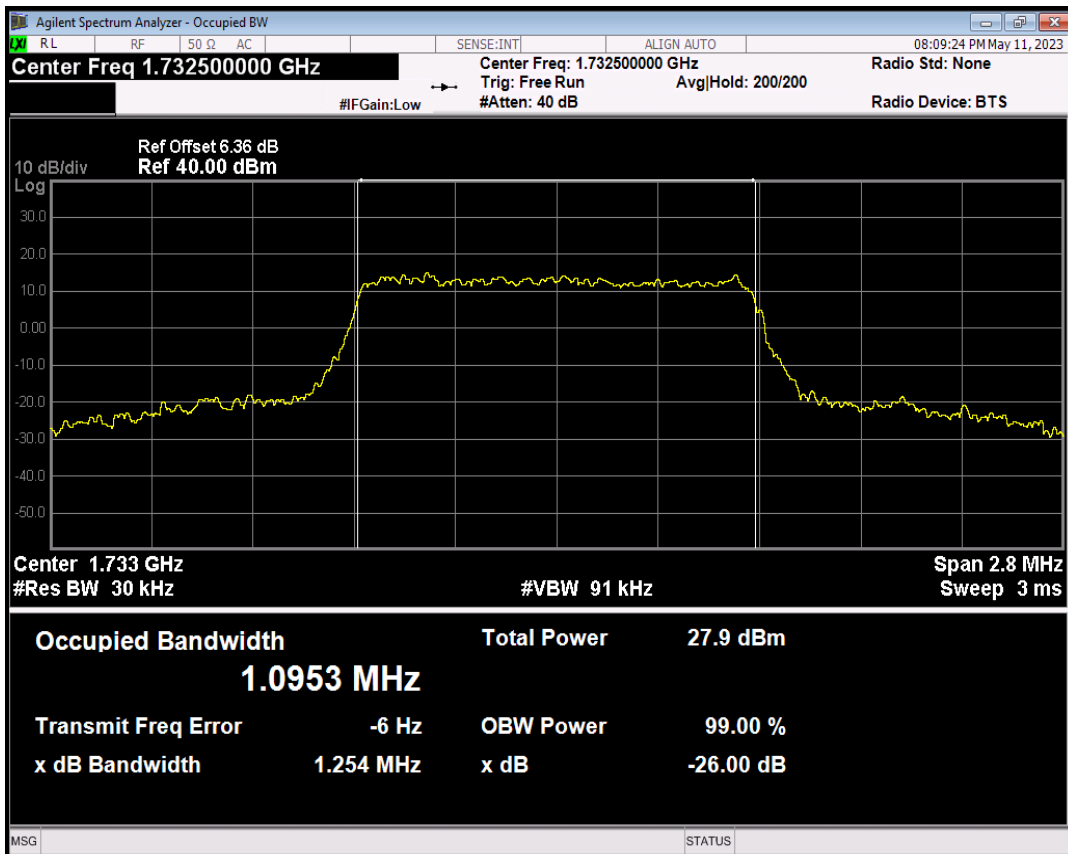
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



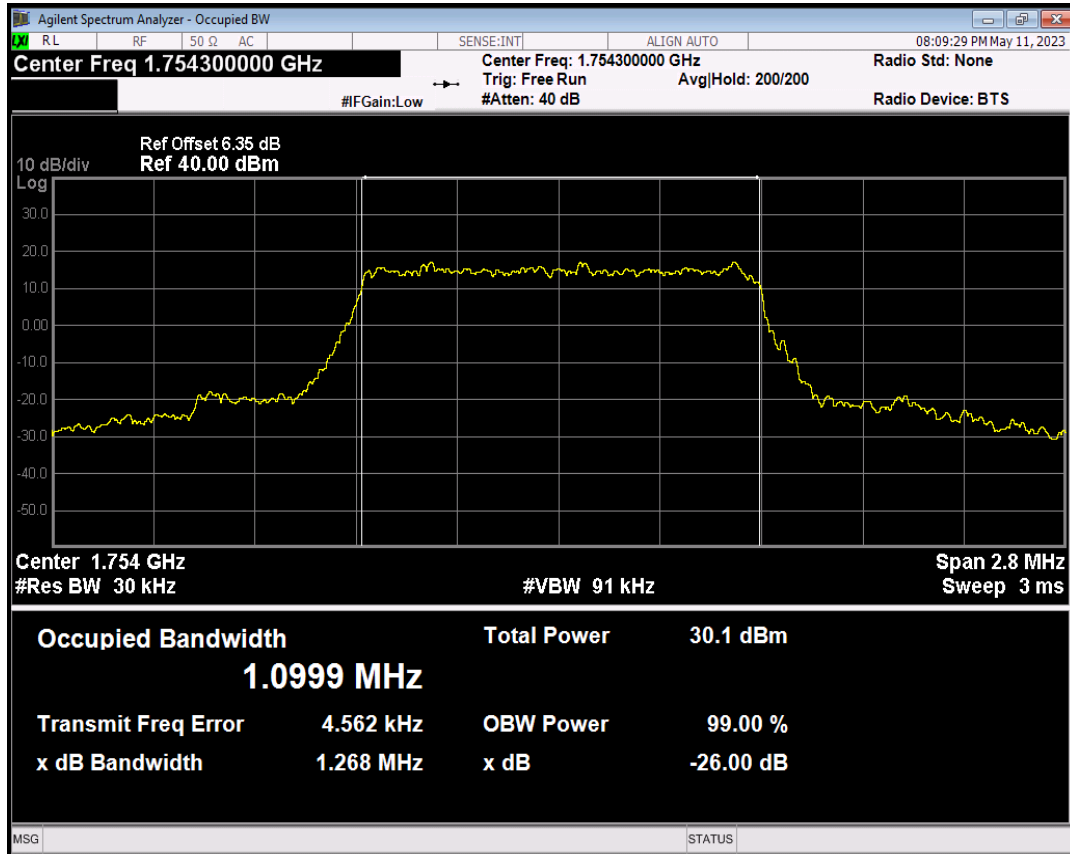
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



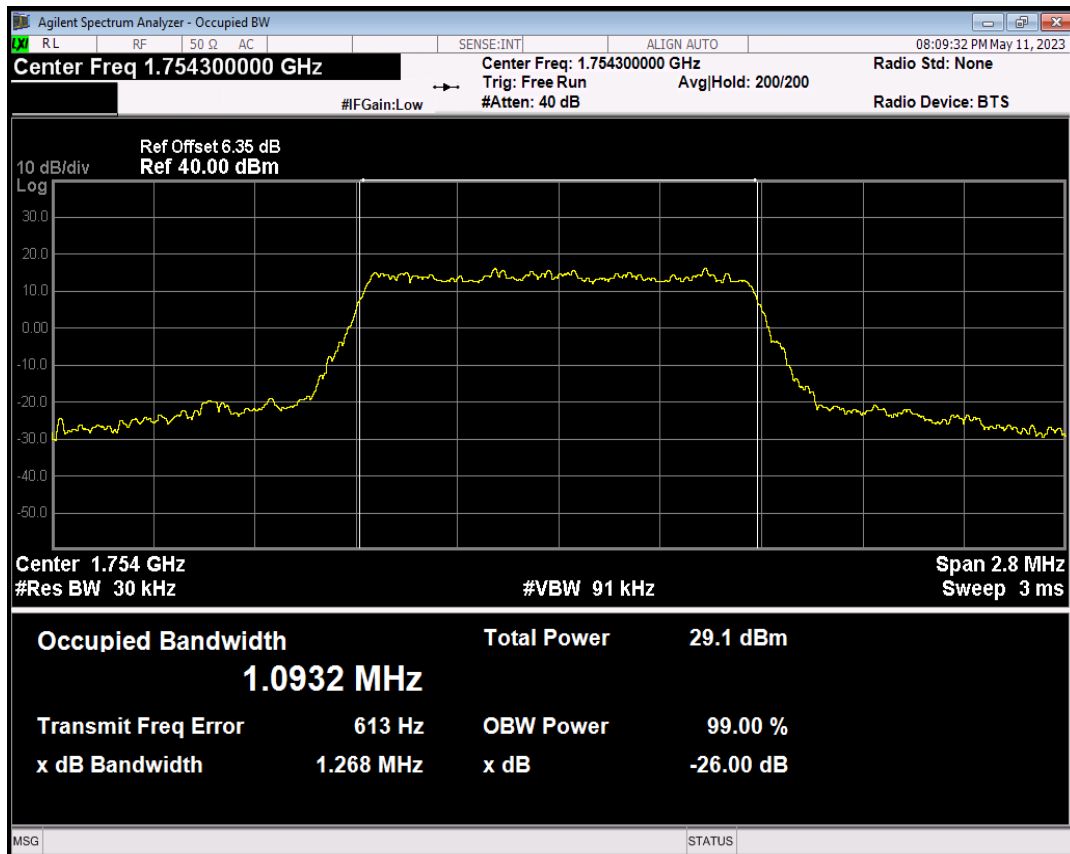
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



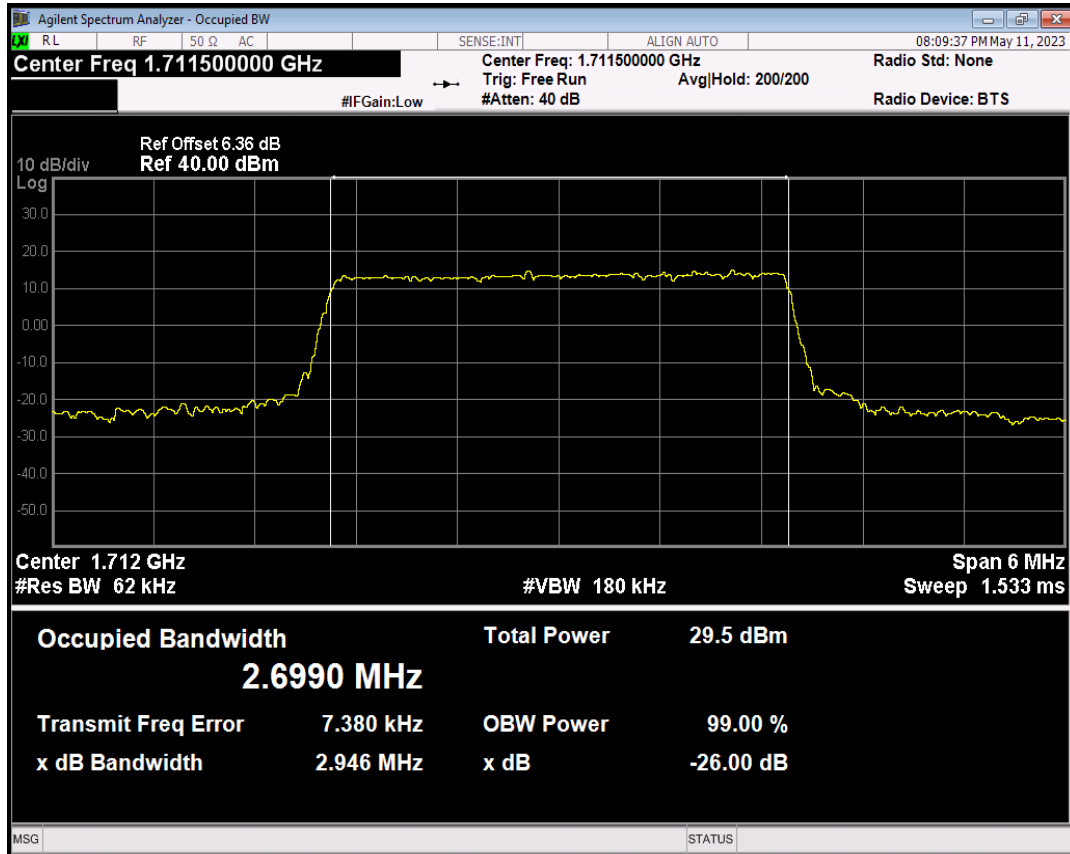
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



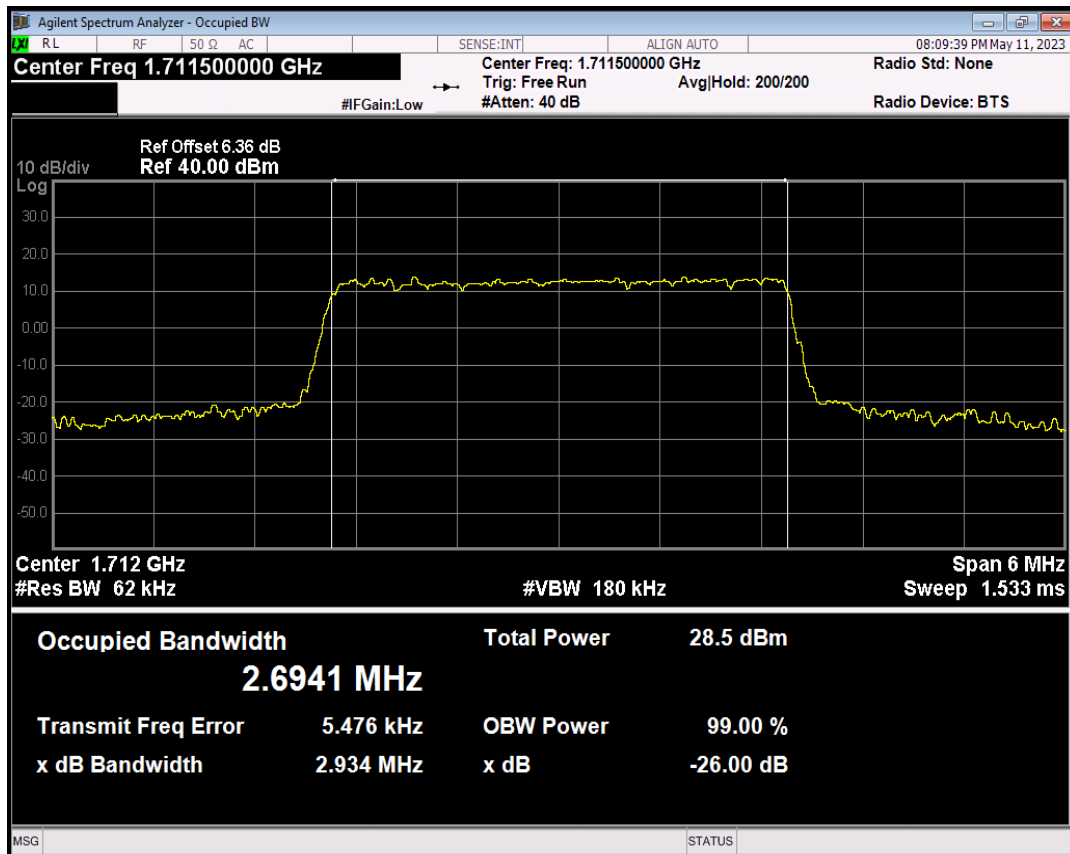
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



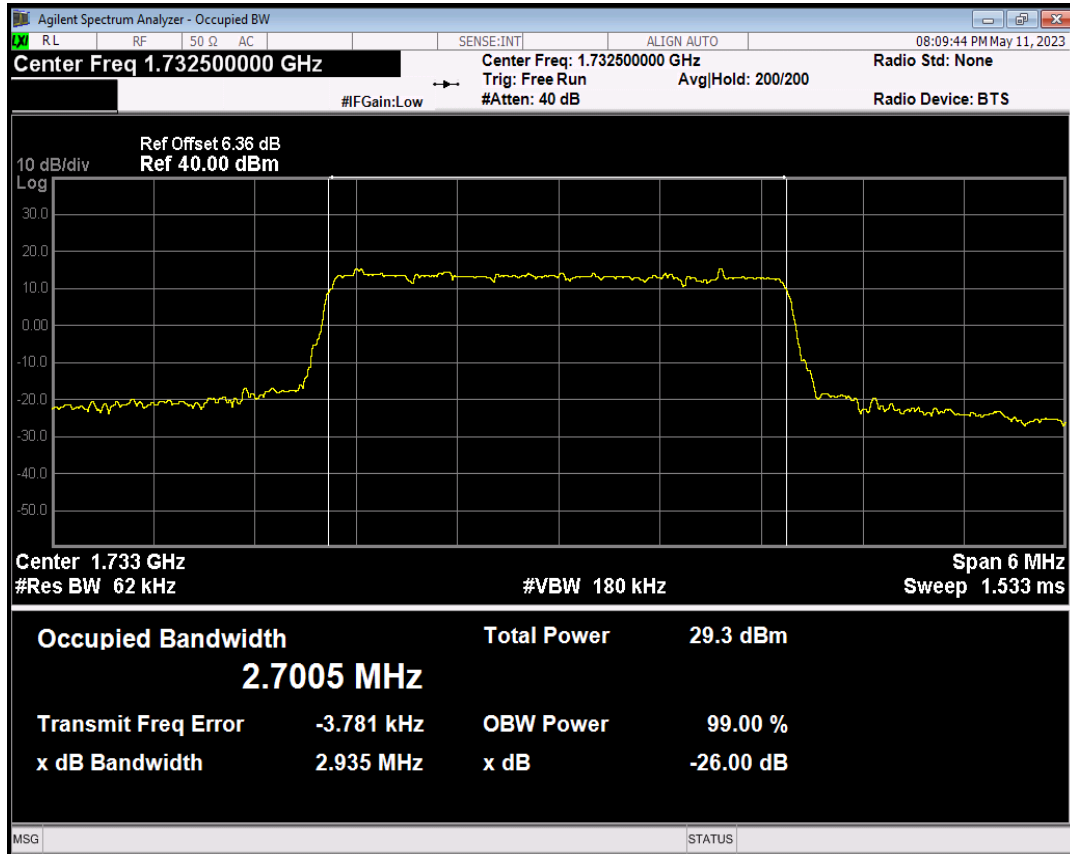
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



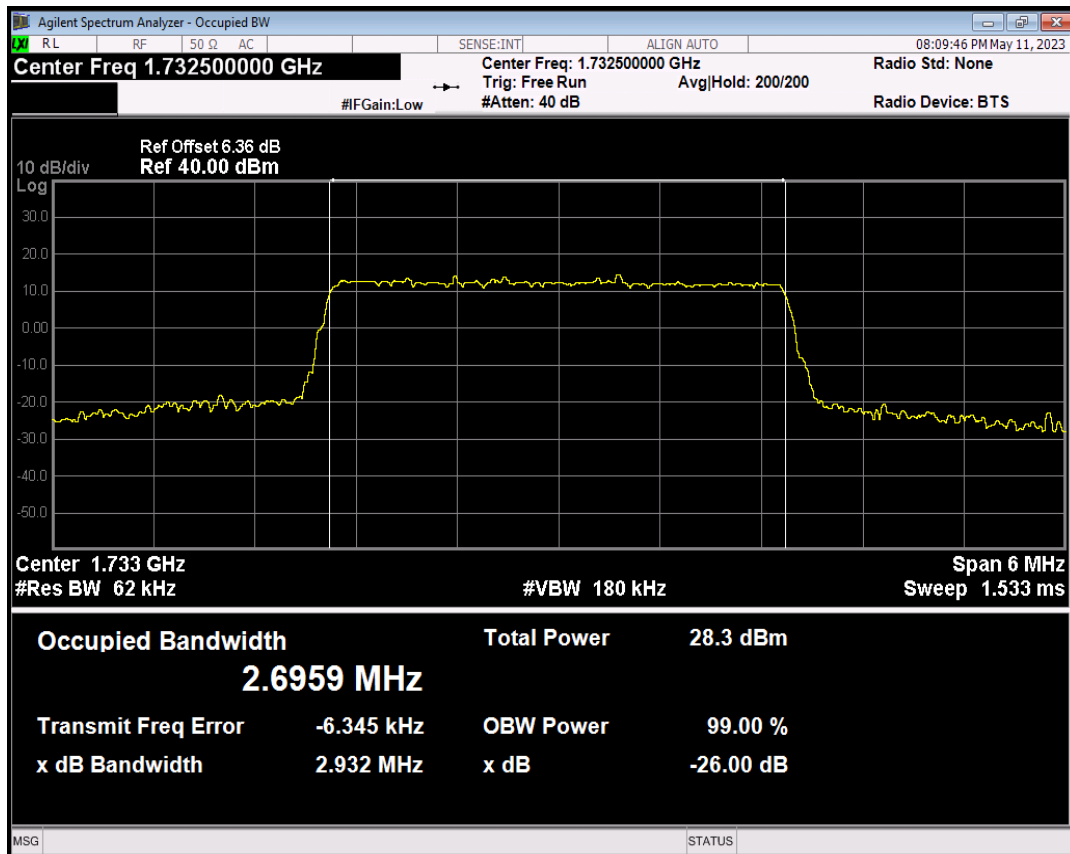
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



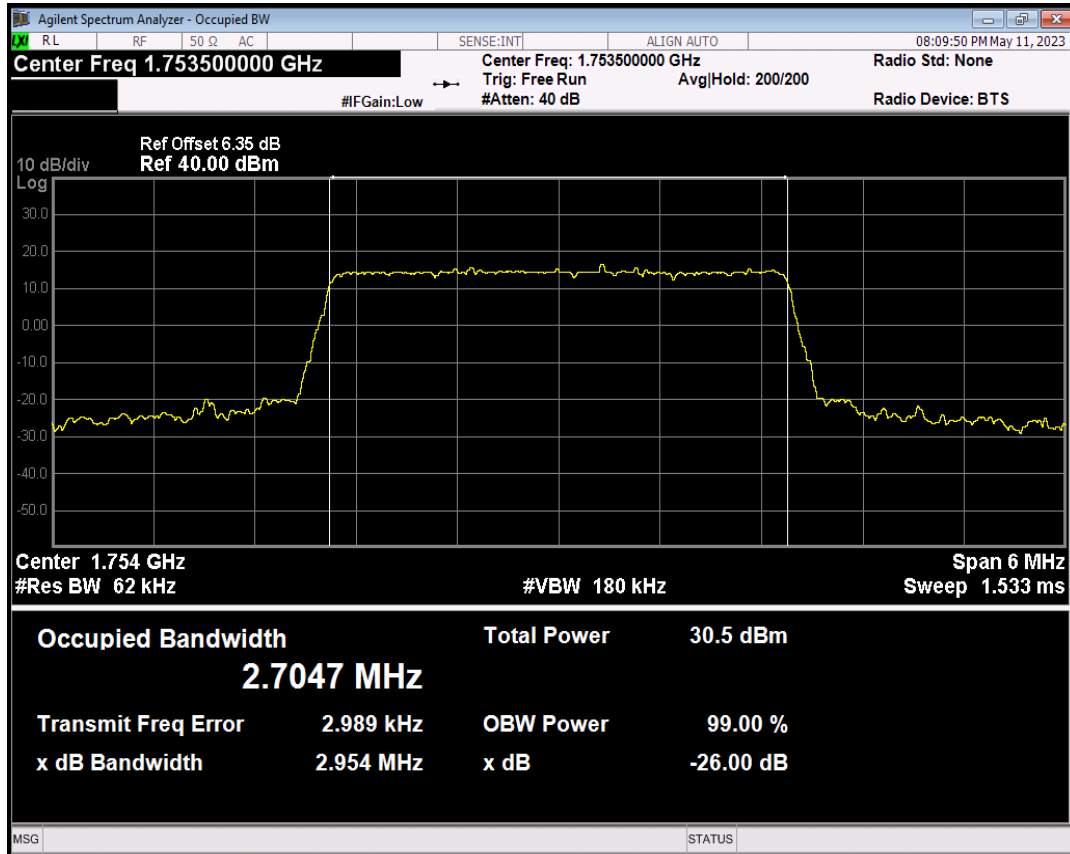
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



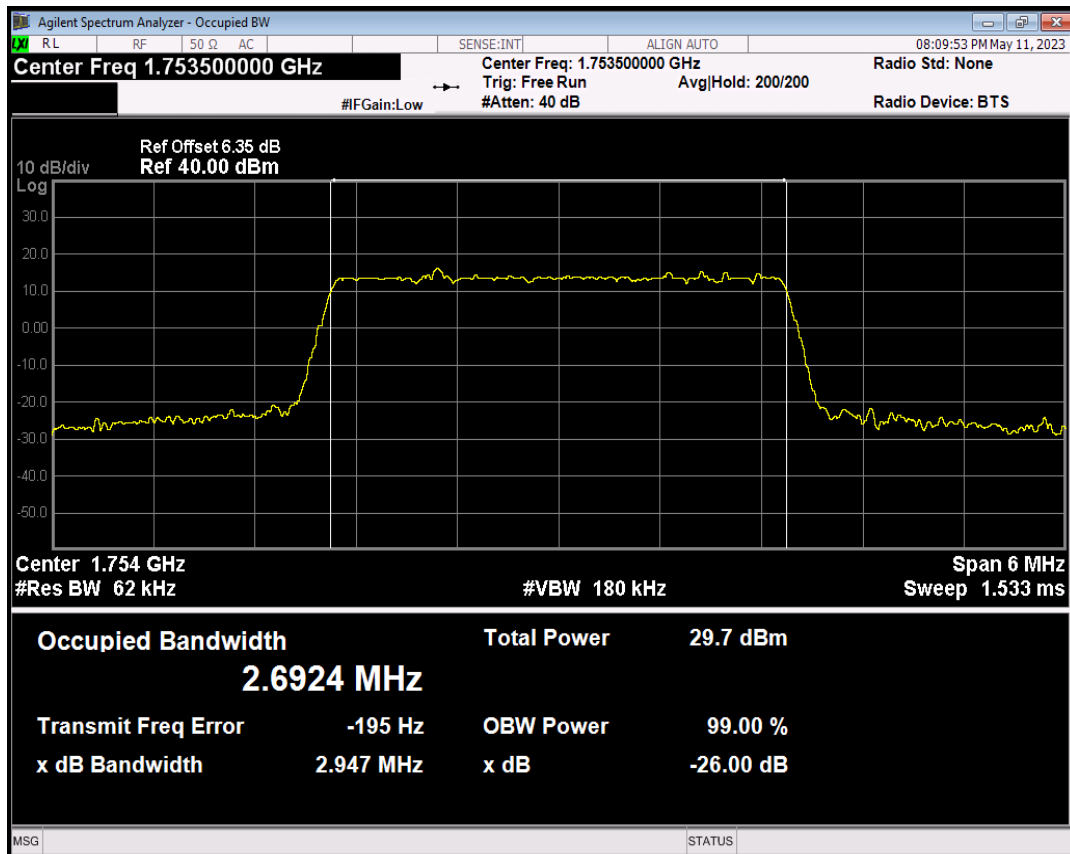
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



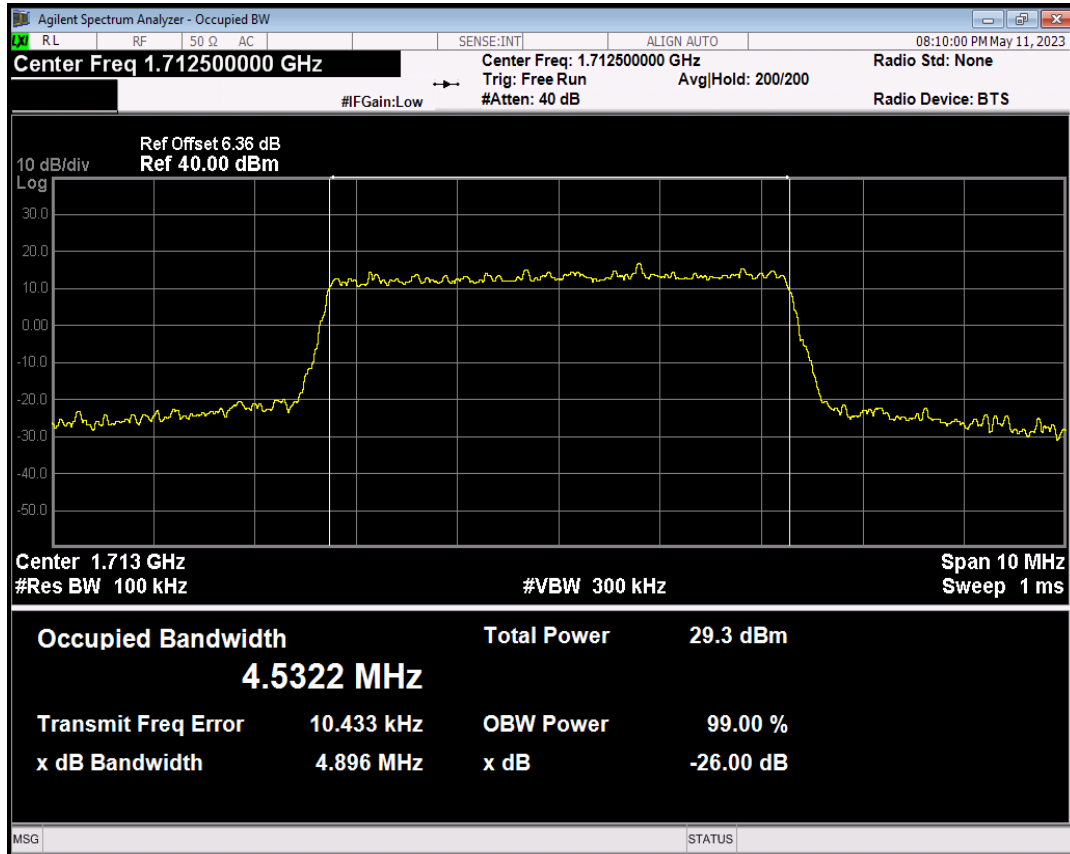
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



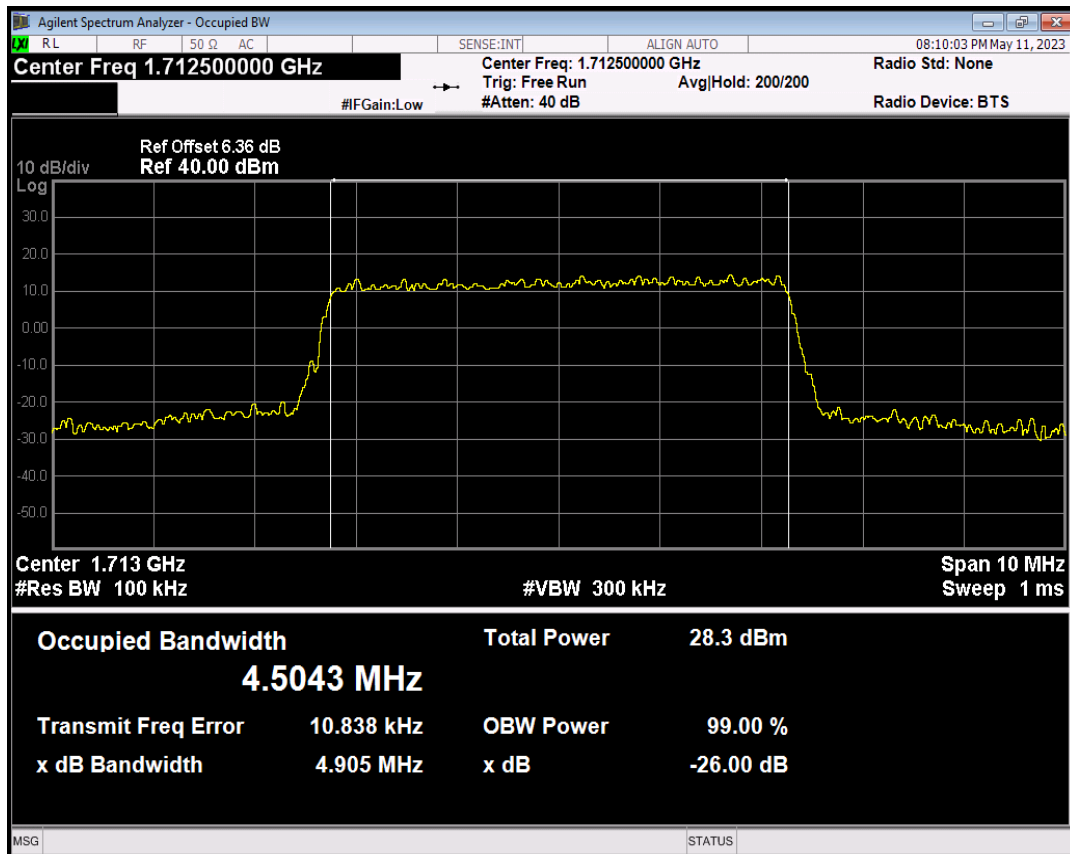
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



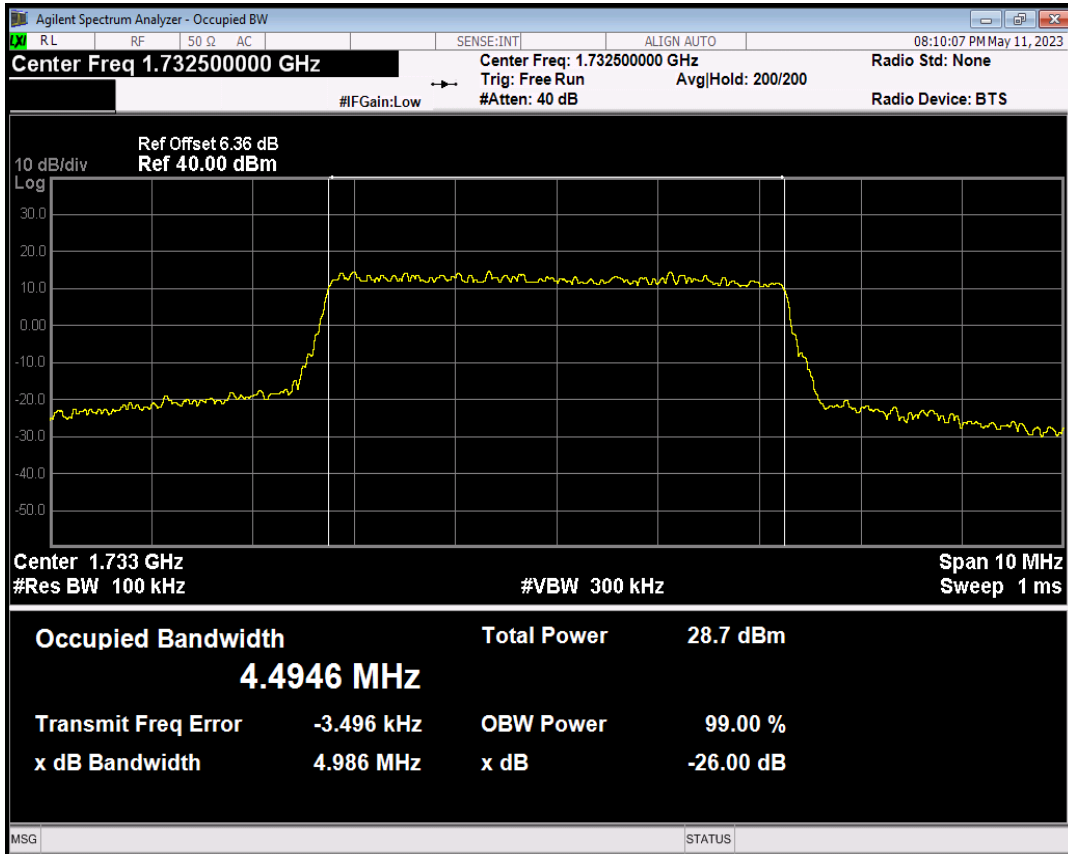
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



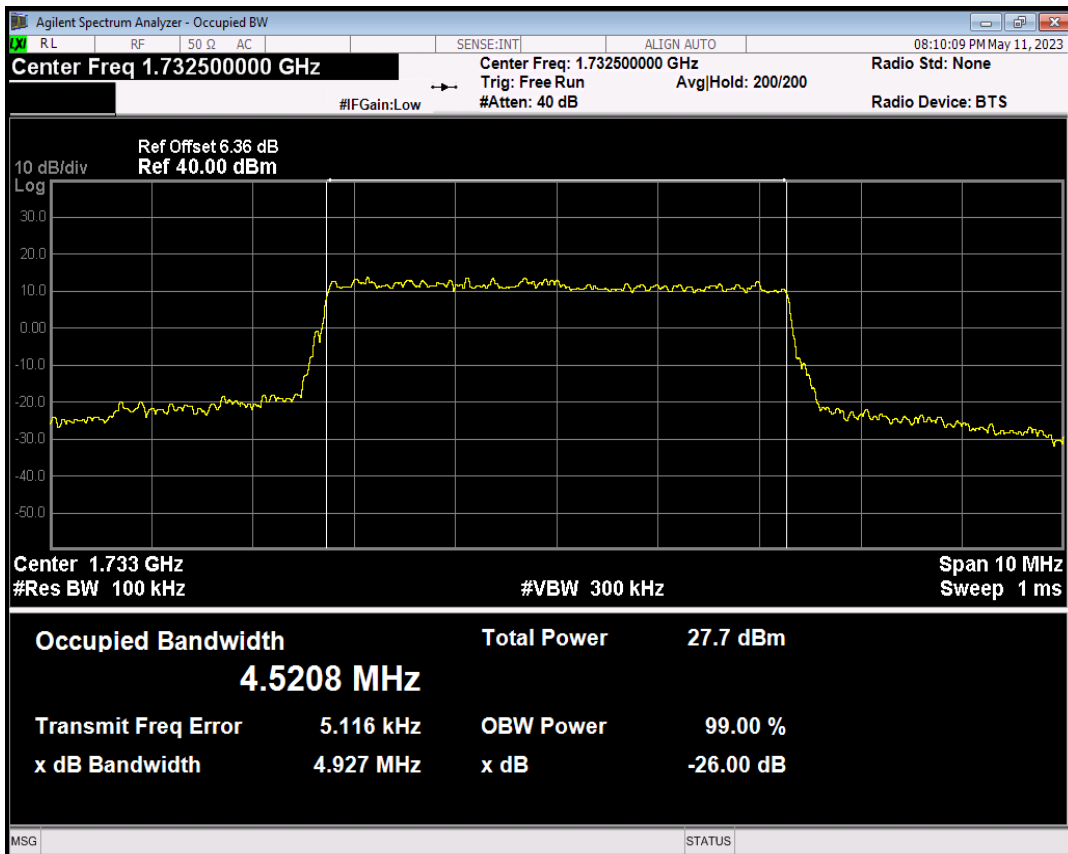
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



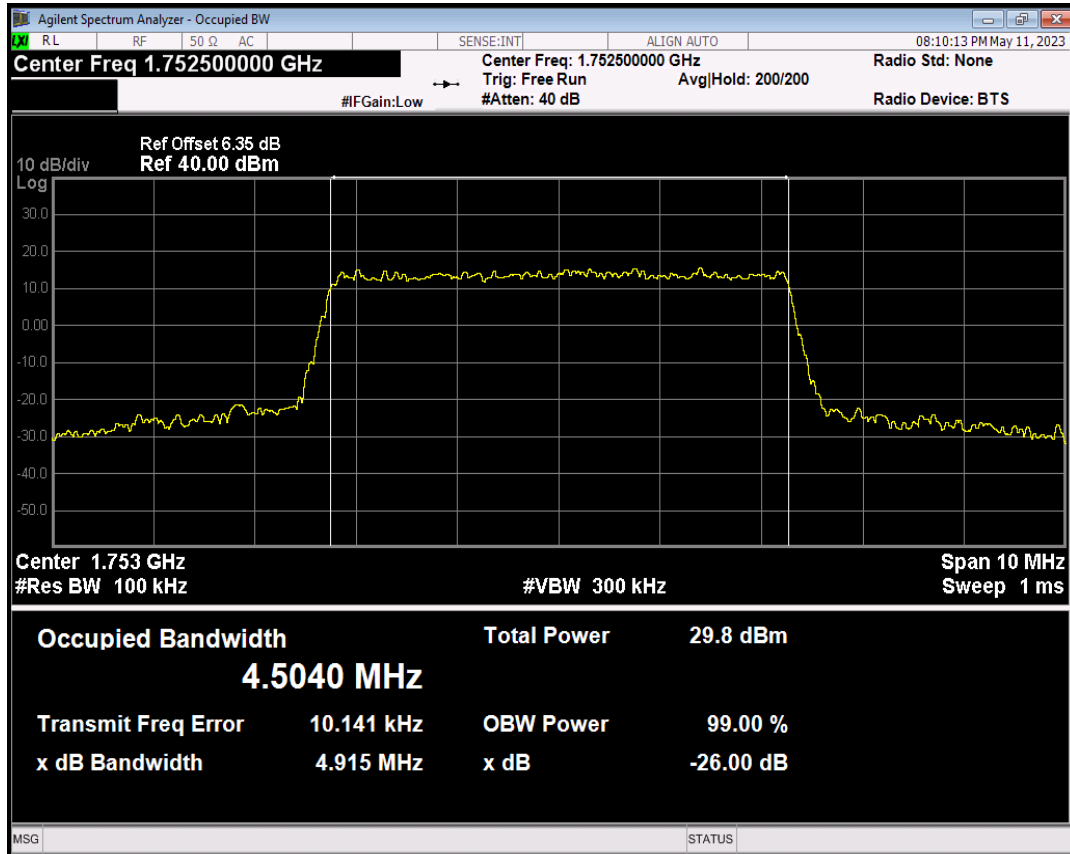
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



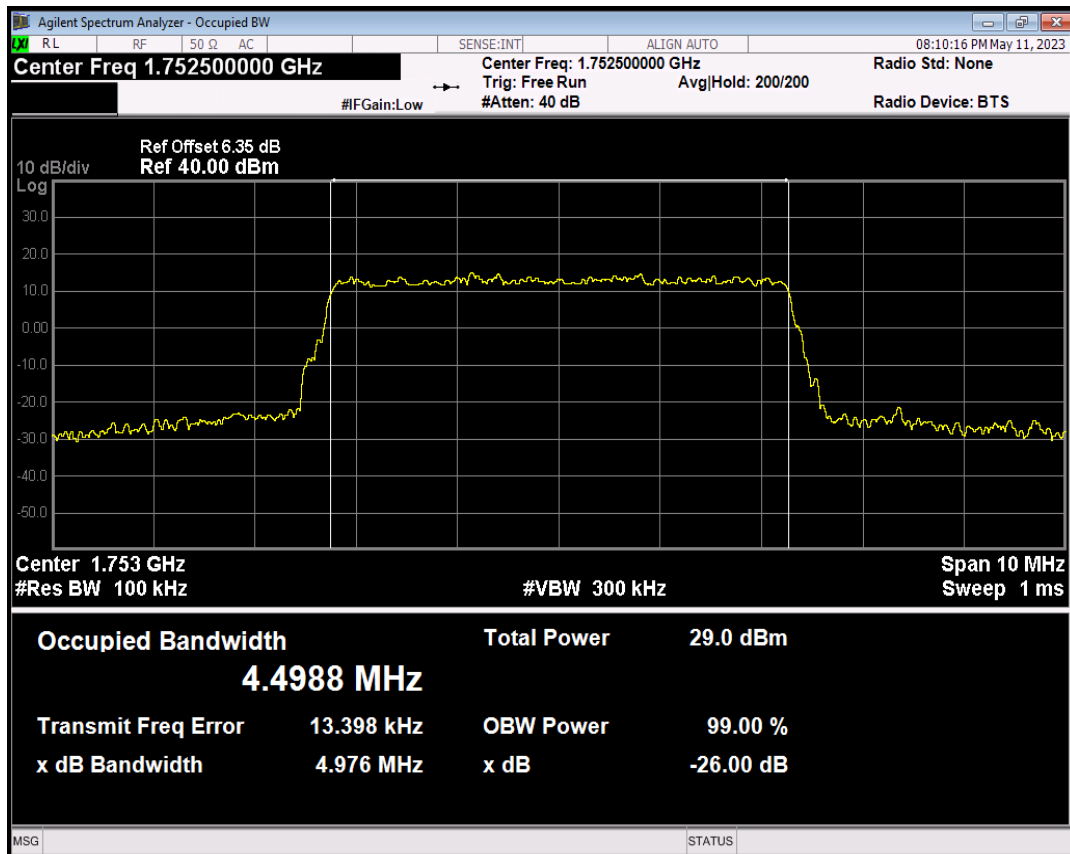
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



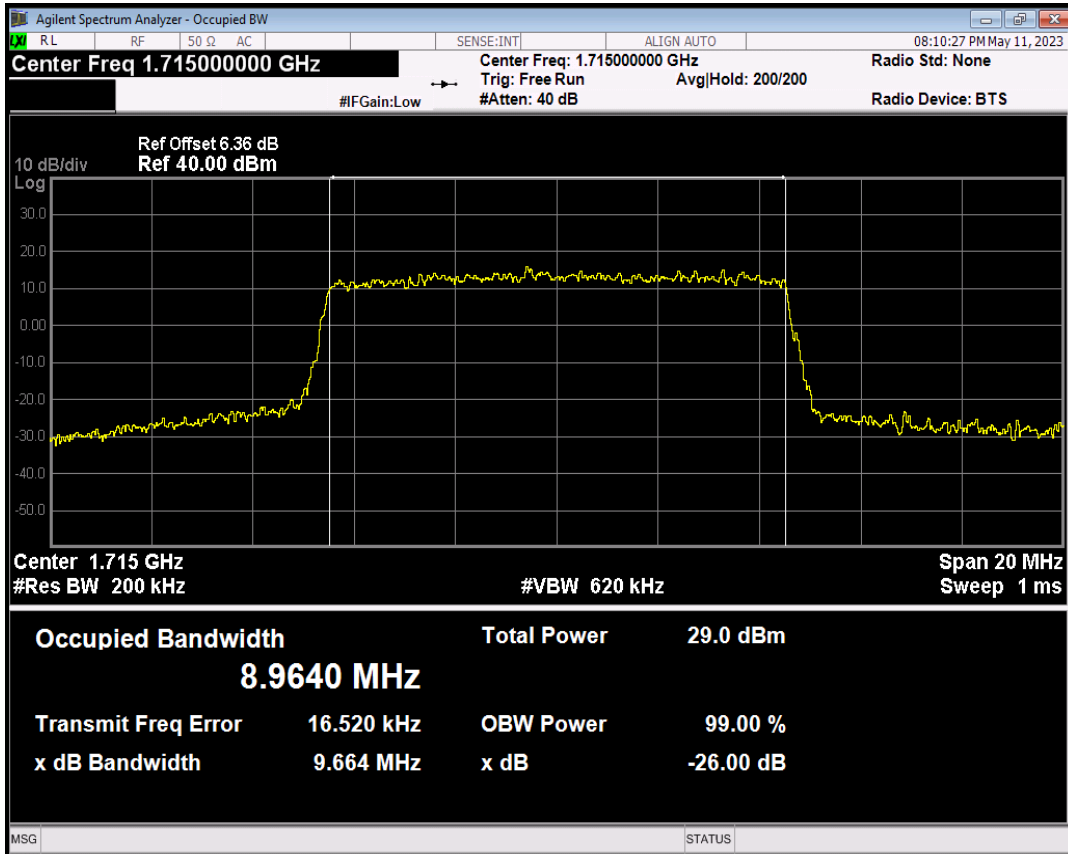
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



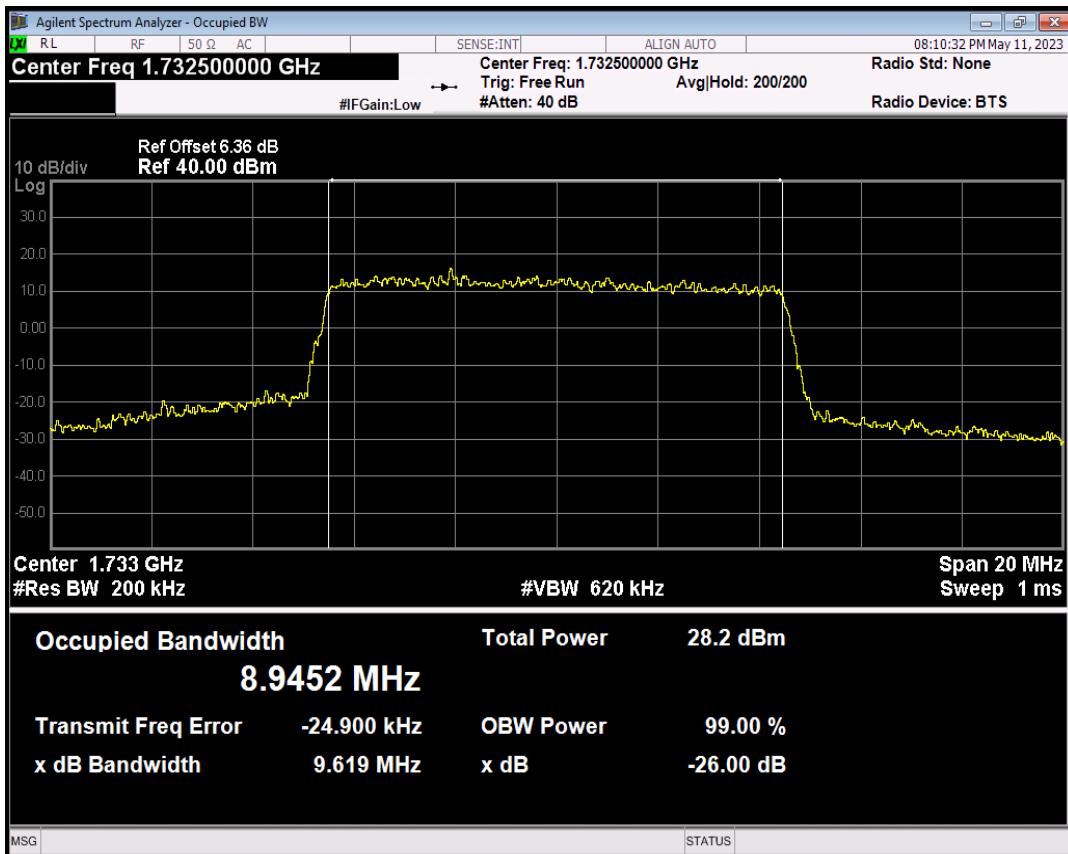
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



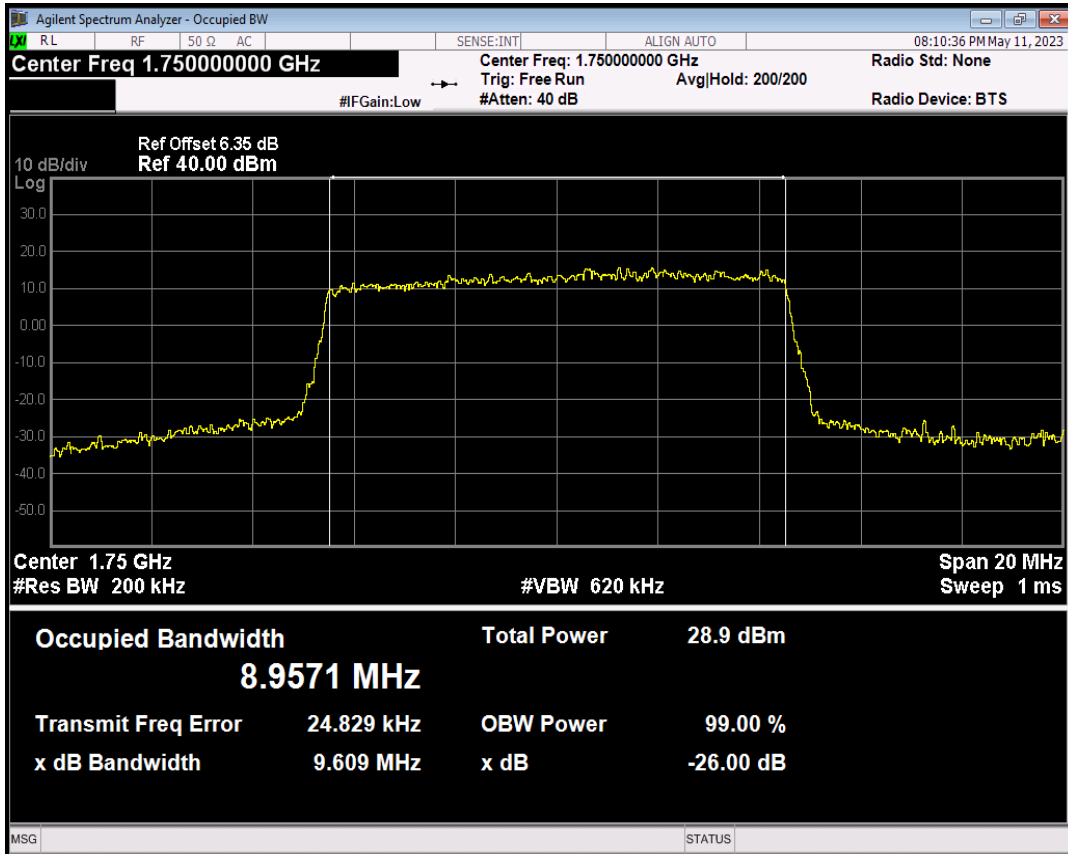
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



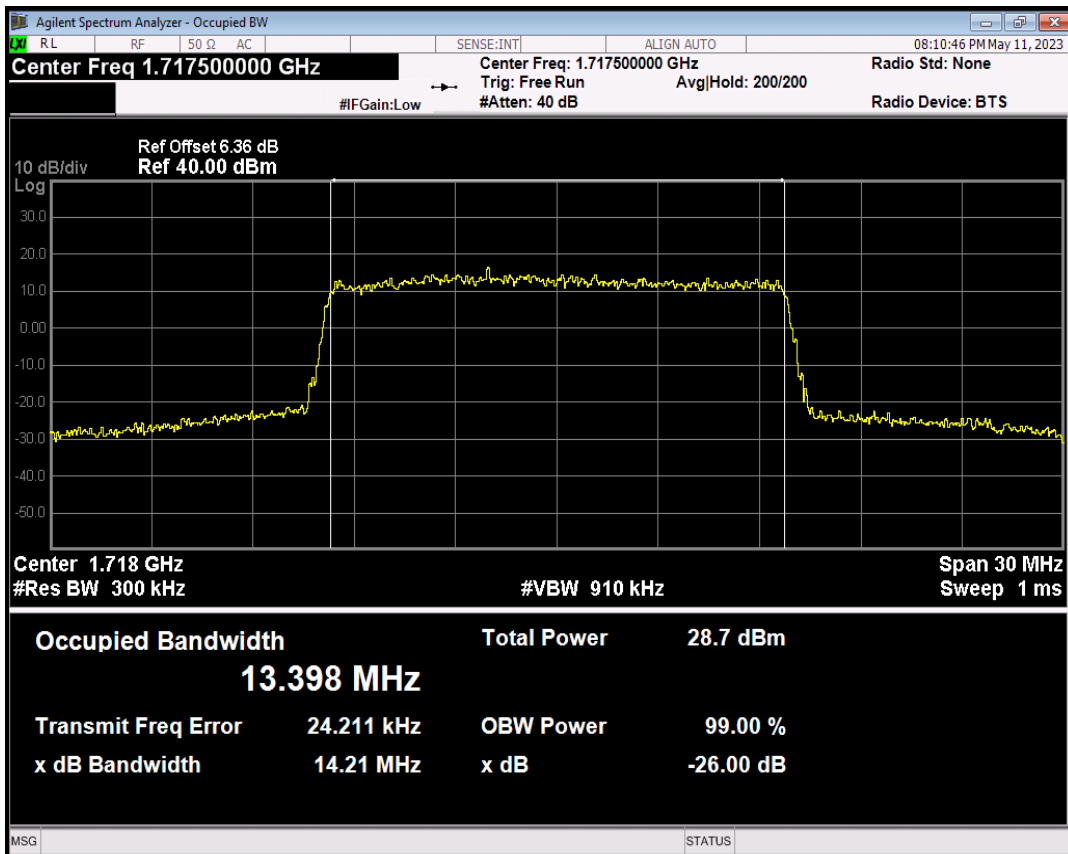
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



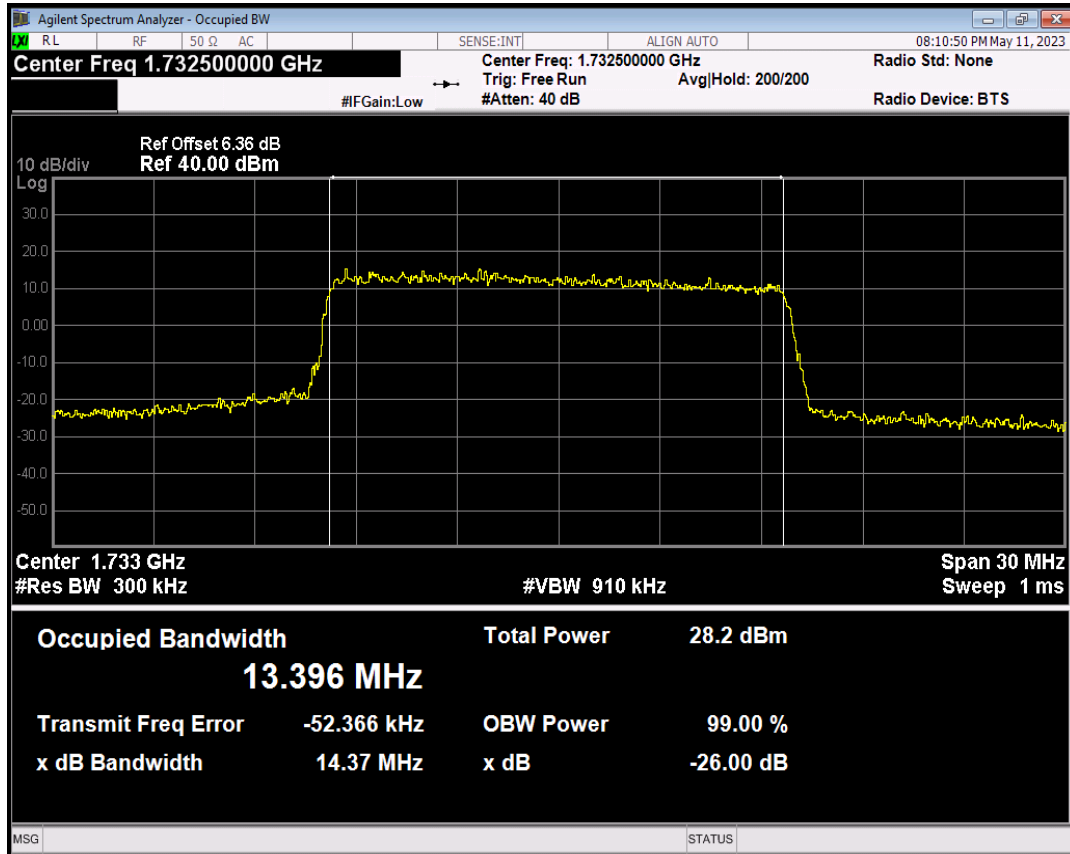
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



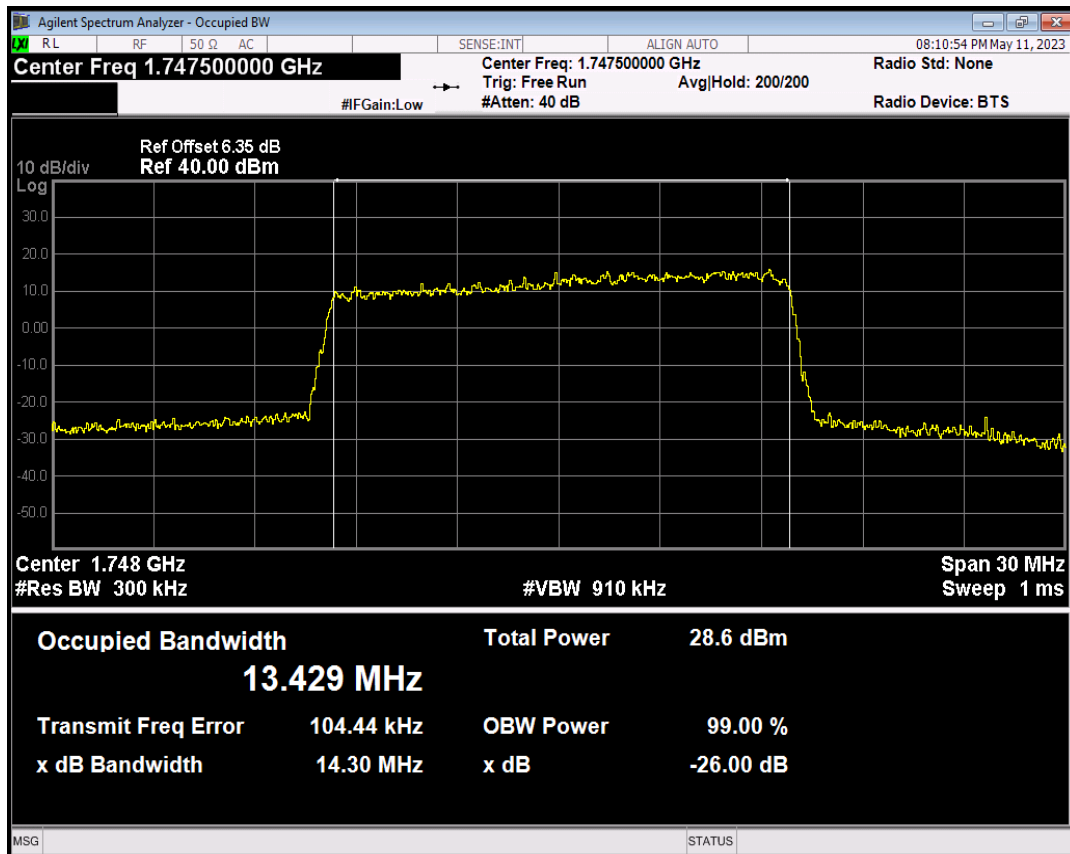
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



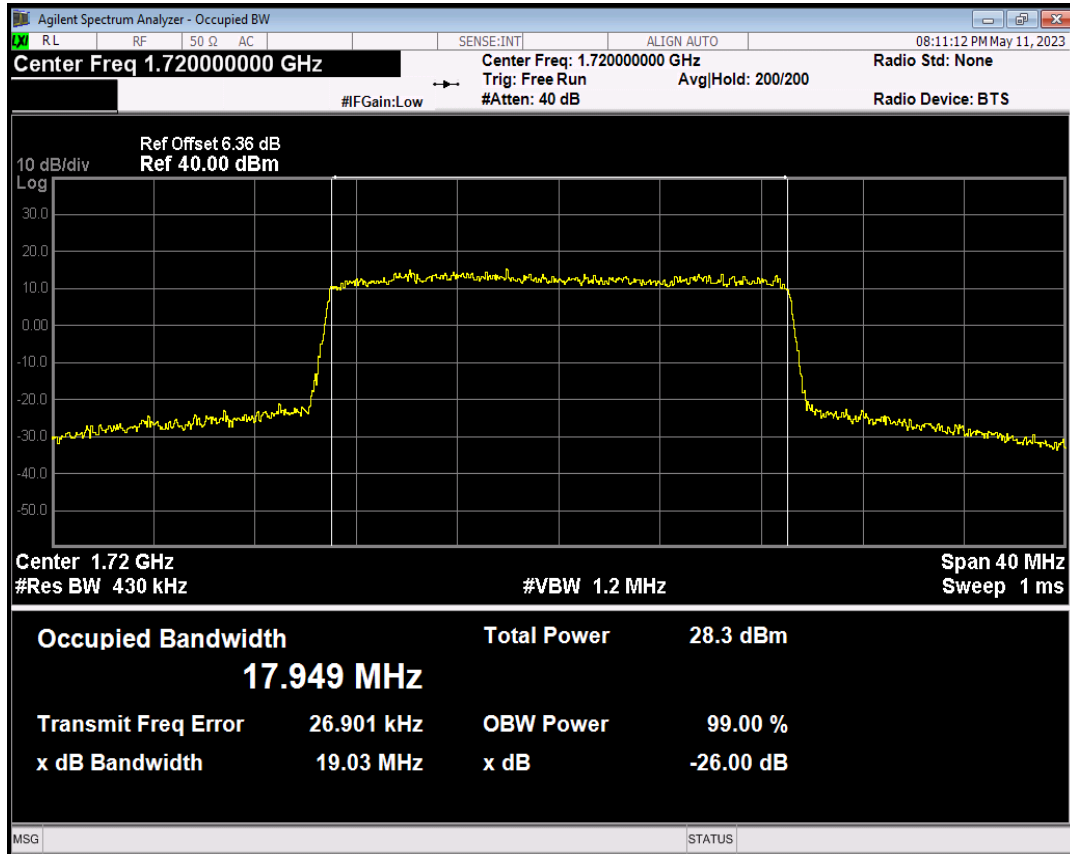
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



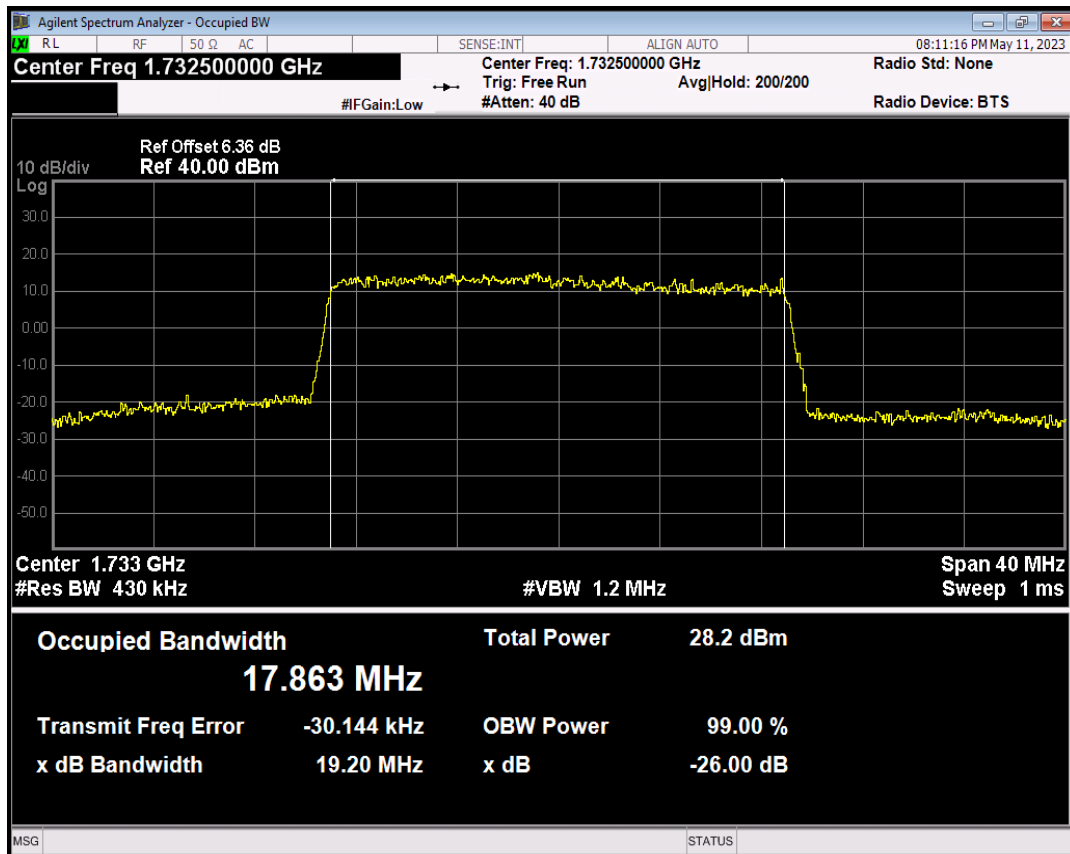
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



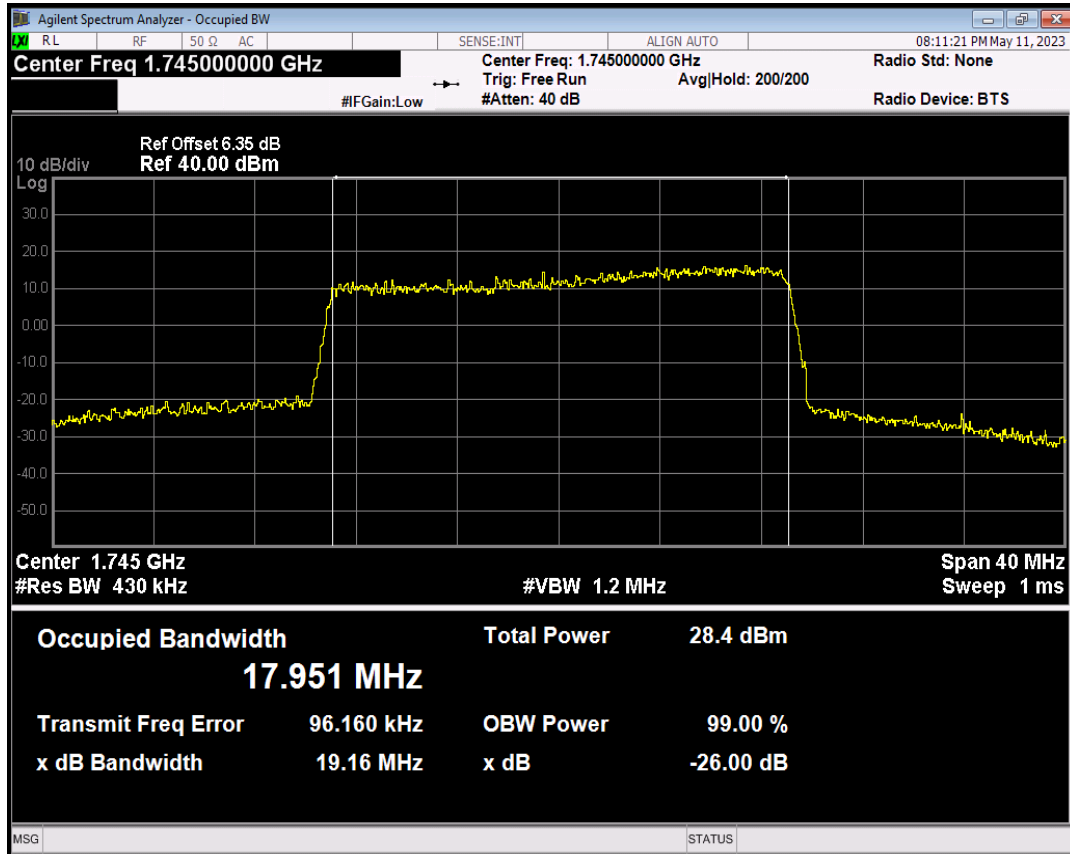
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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



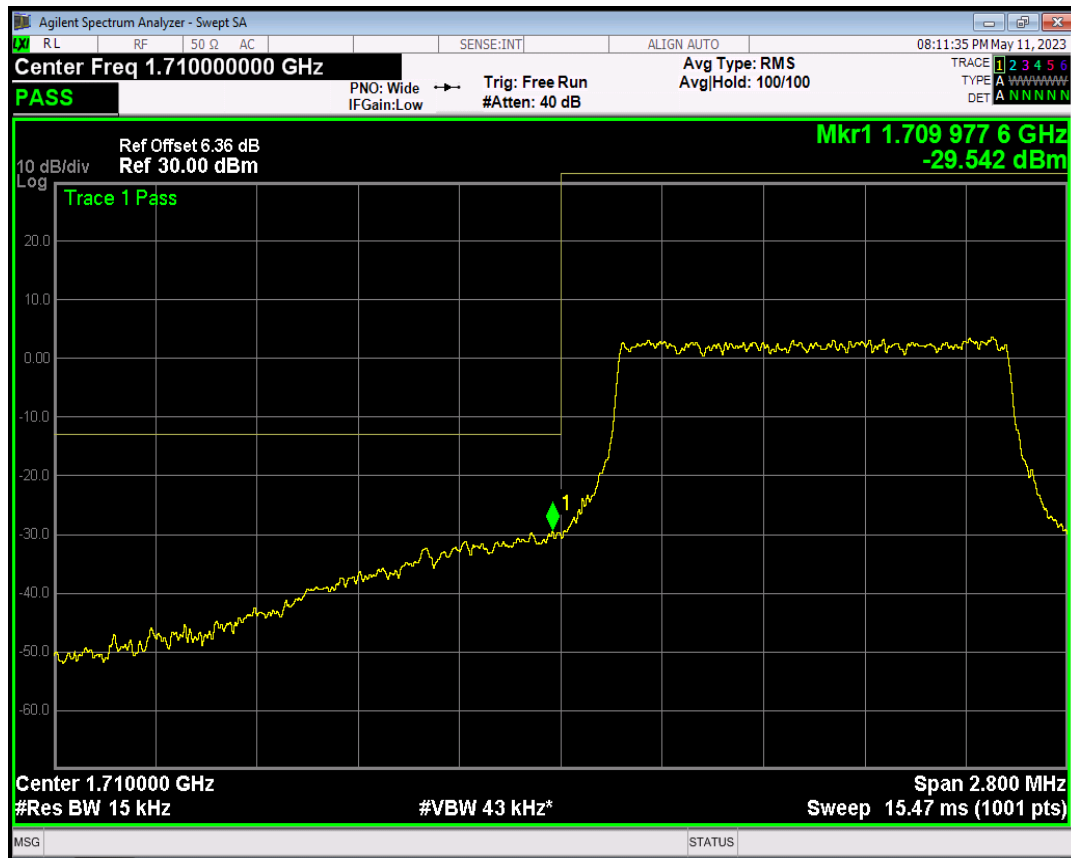
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



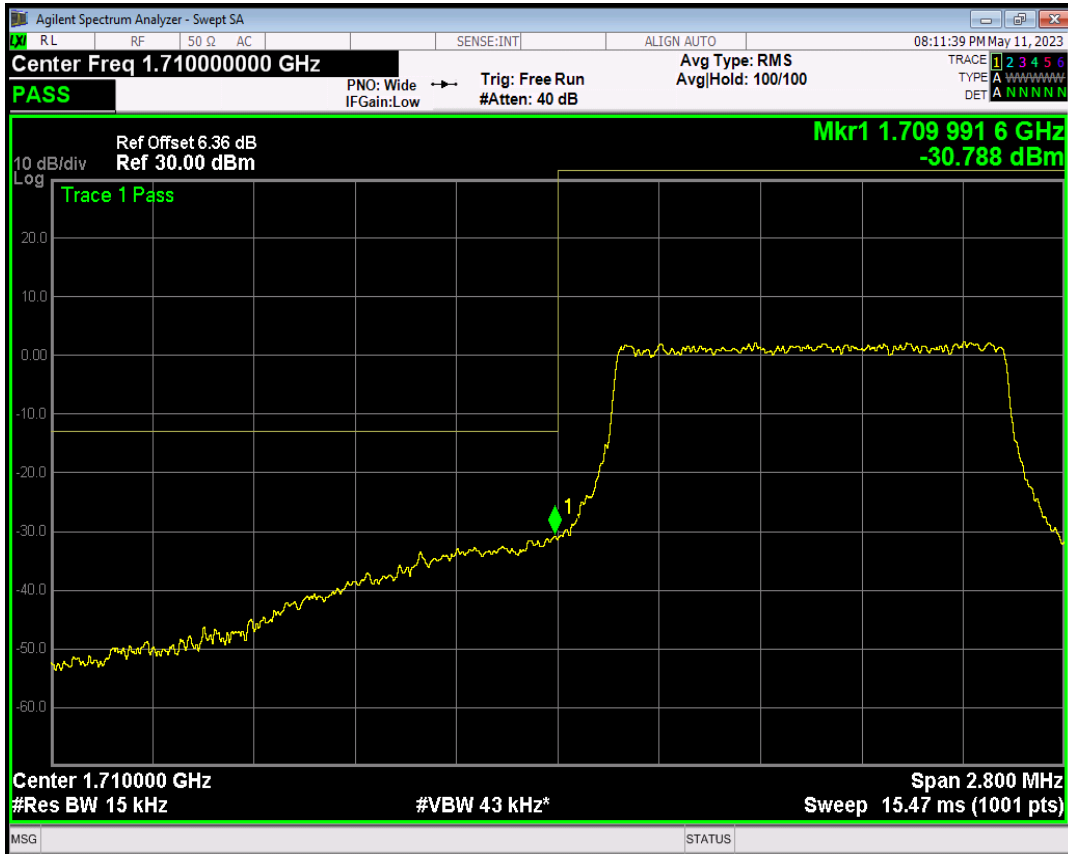
Appendix 5. Band edge

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	1709.98	-29.54	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-30.78	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-29.66	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.01	-30.89	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-29.76	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.98	-32.02	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.02	-30.40	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.01	-31.17	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.98	-29.64	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.99	-31.75	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.02	-30.55	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-30.87	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.96	-31.30	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-34.90	-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



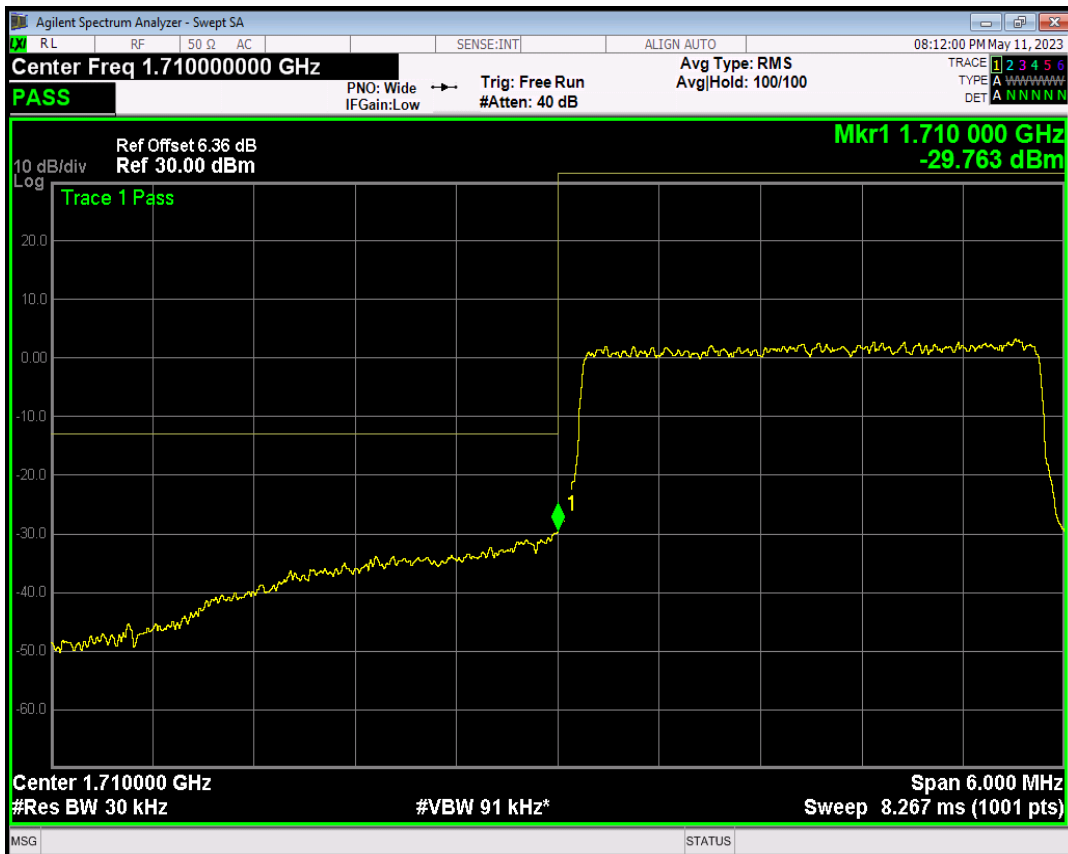
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



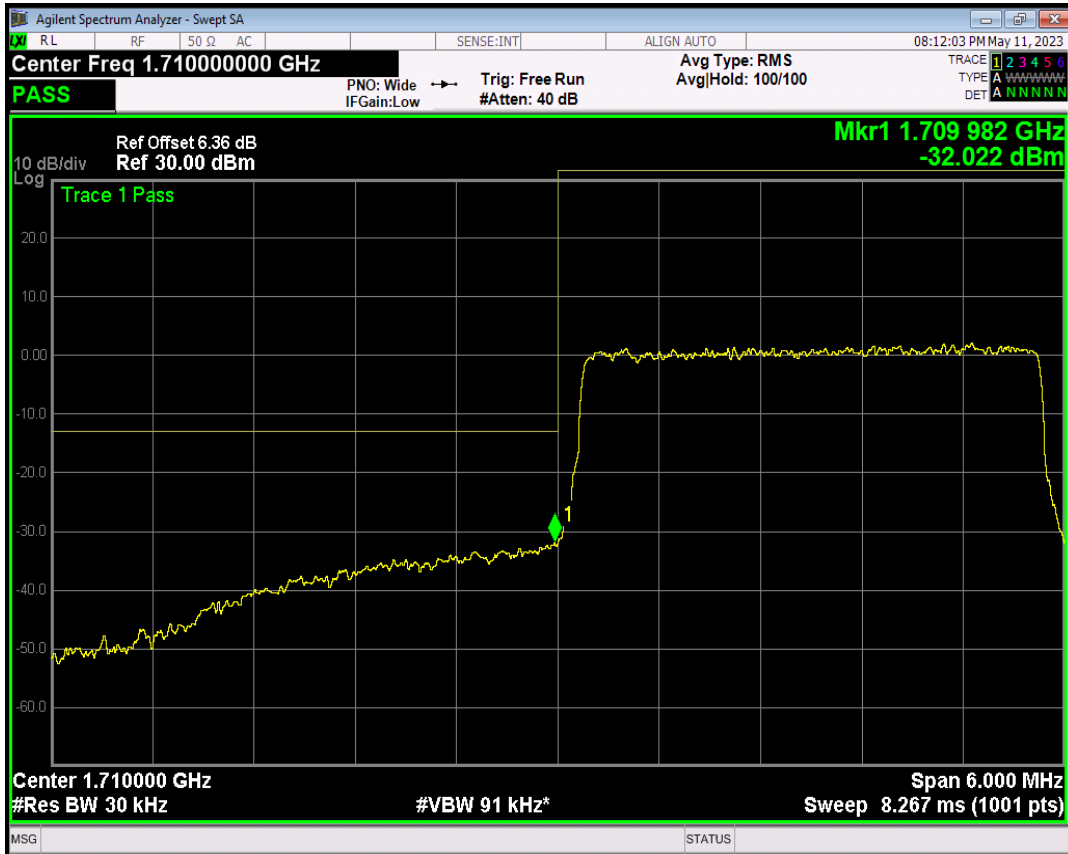
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



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



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



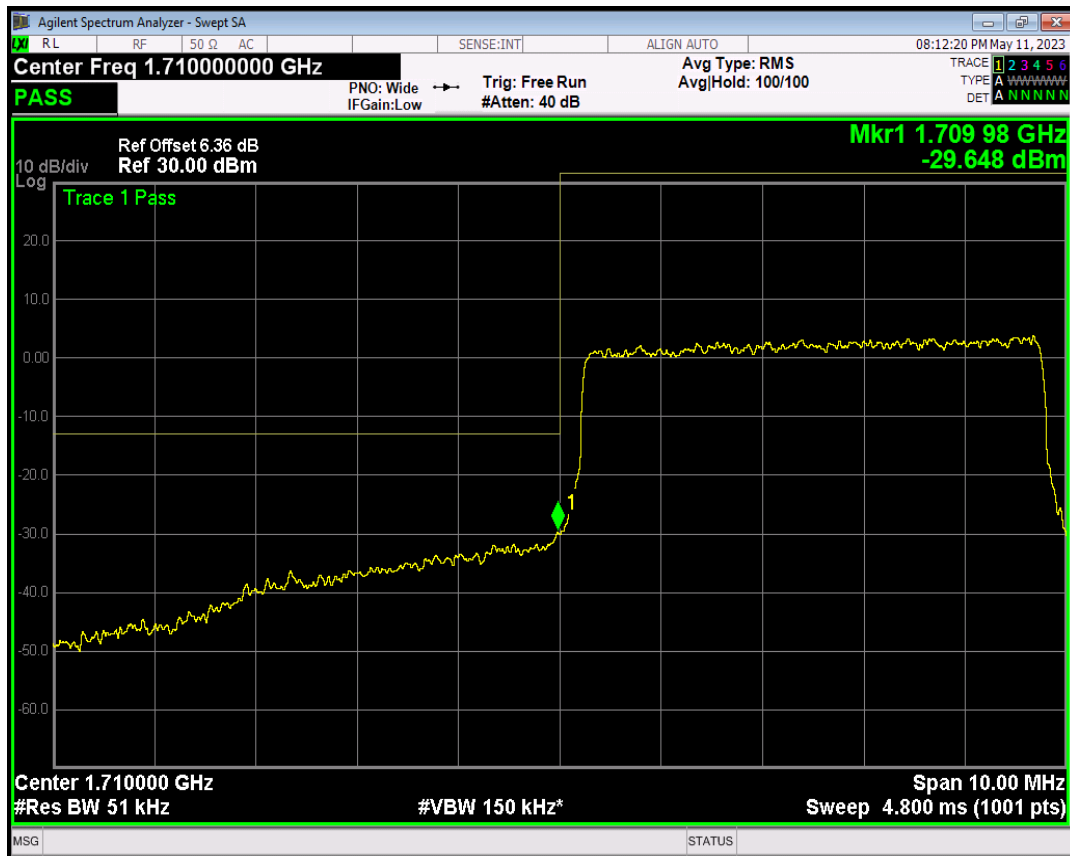
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



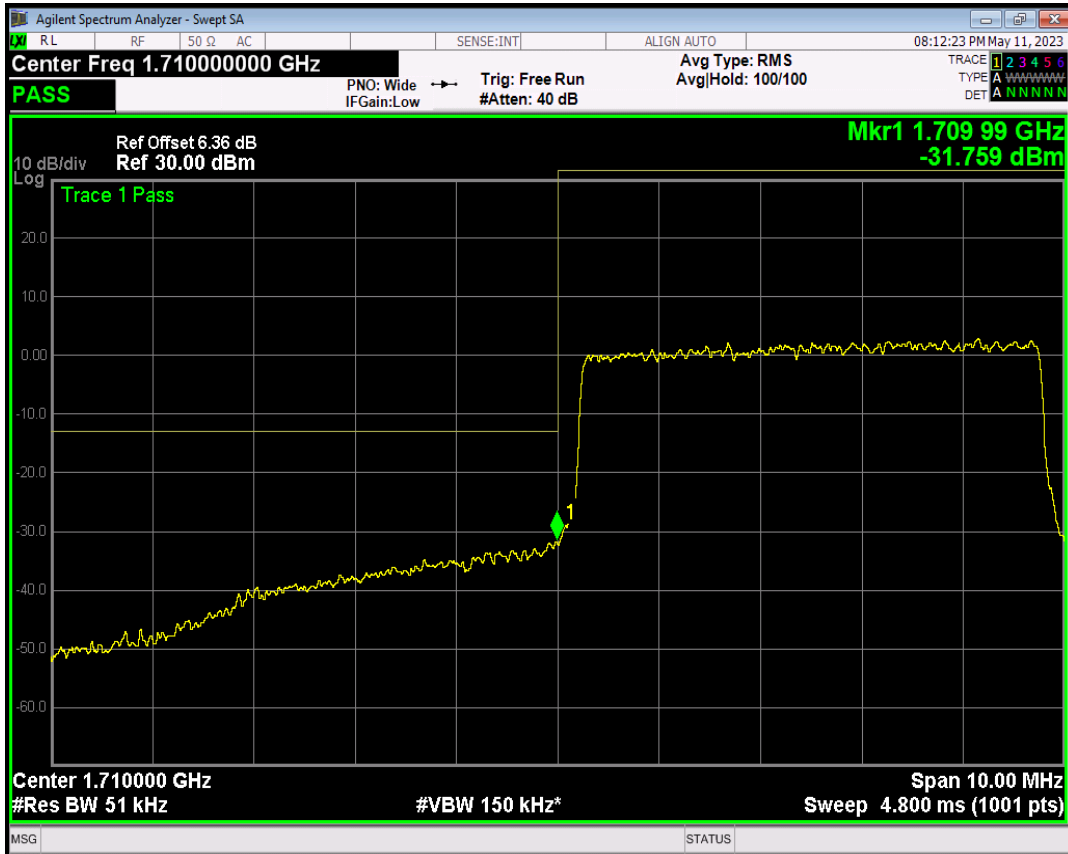
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



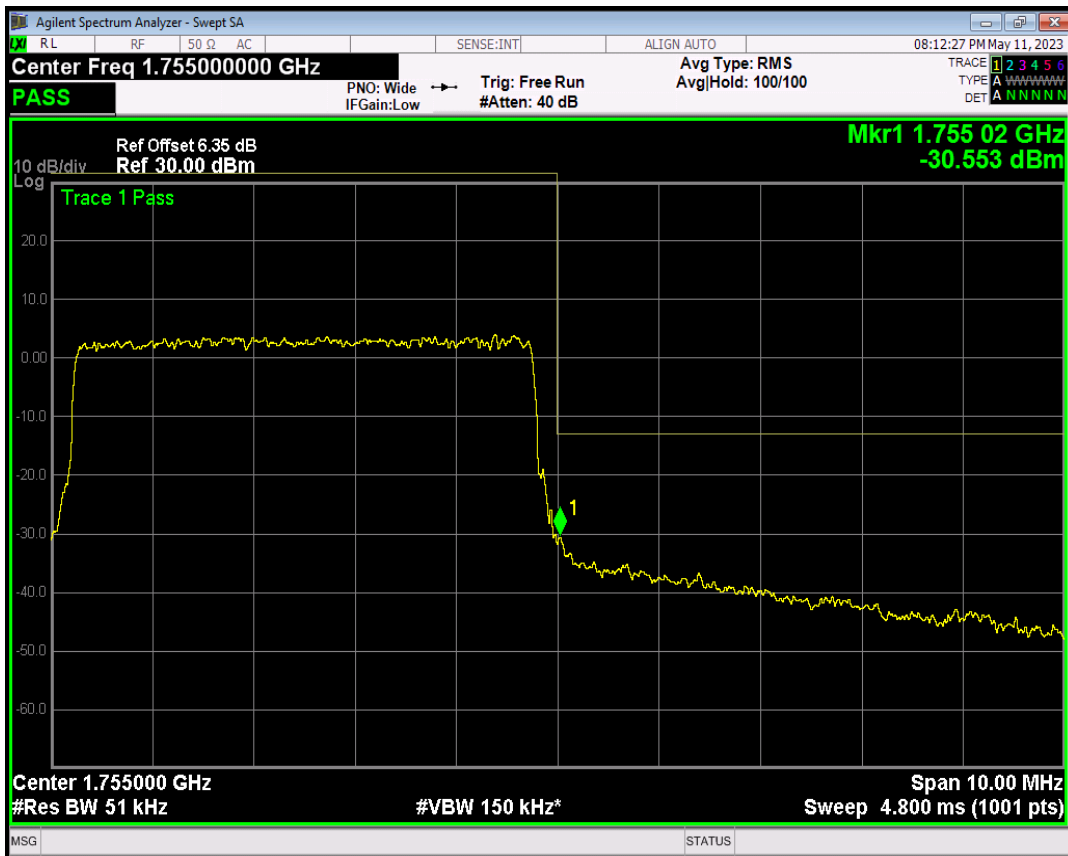
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



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



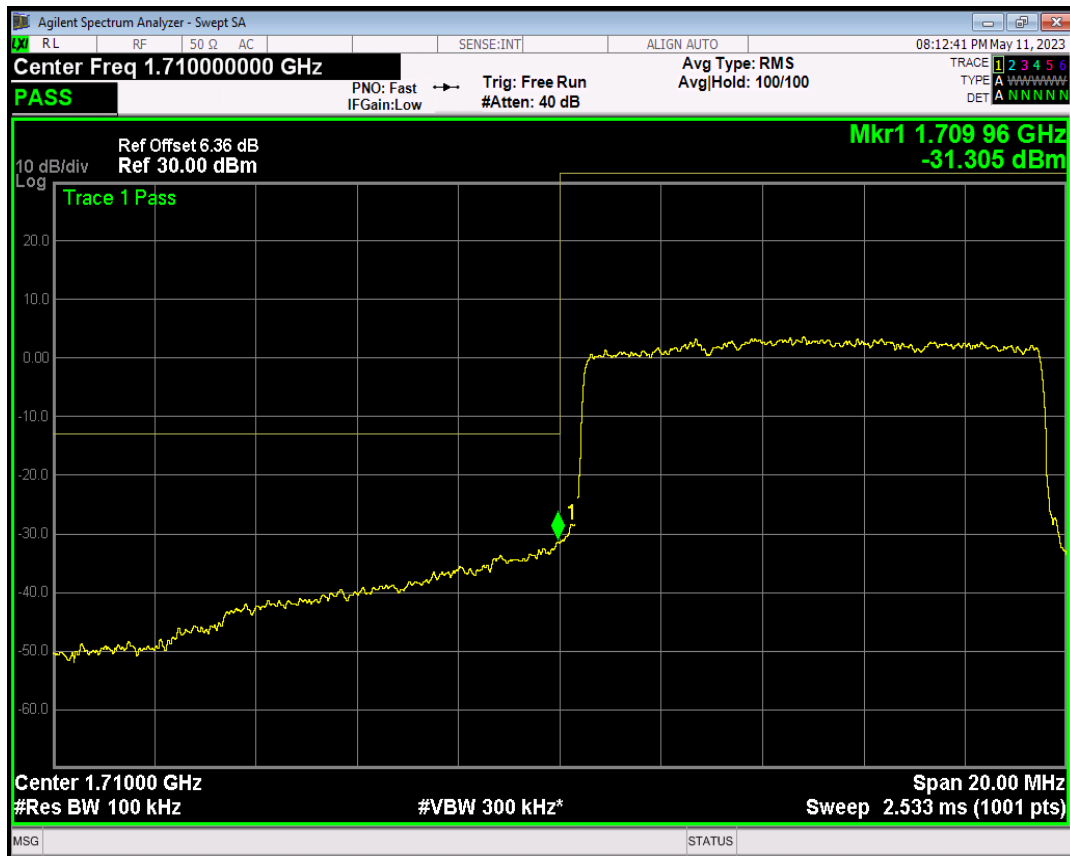
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



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



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



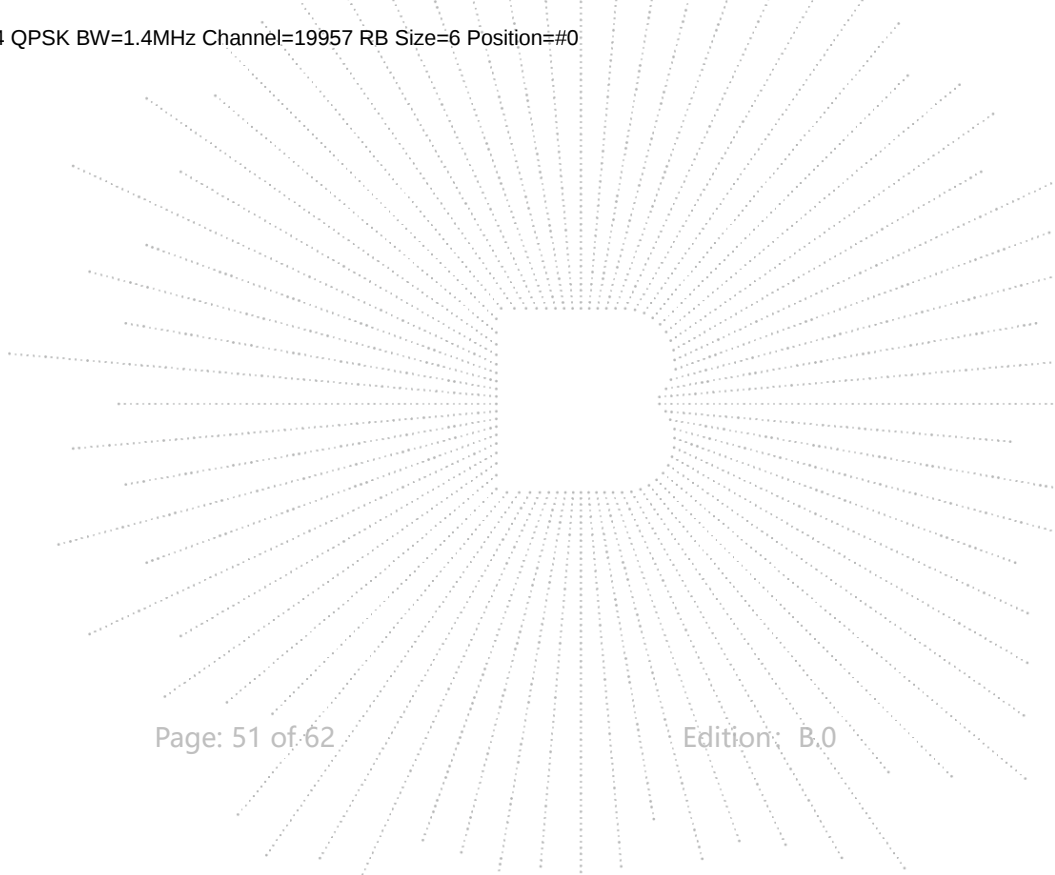
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

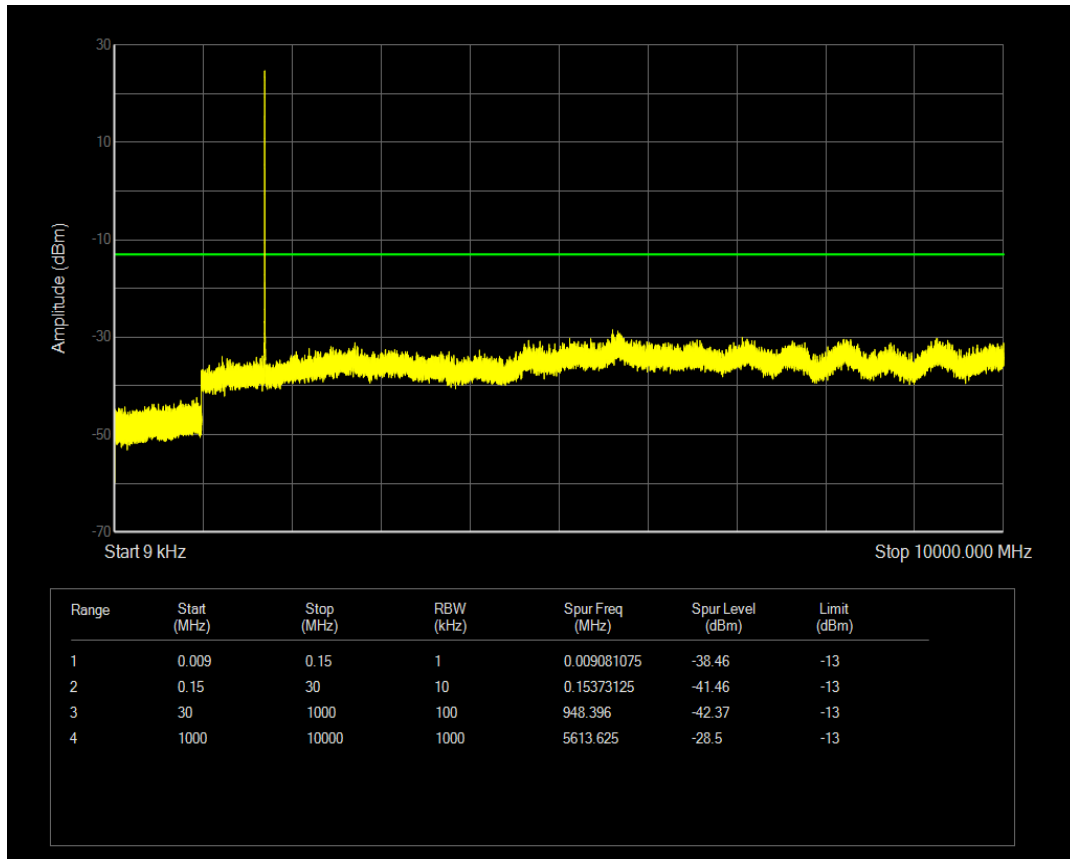


Appendix 6. Out-of-band emissions

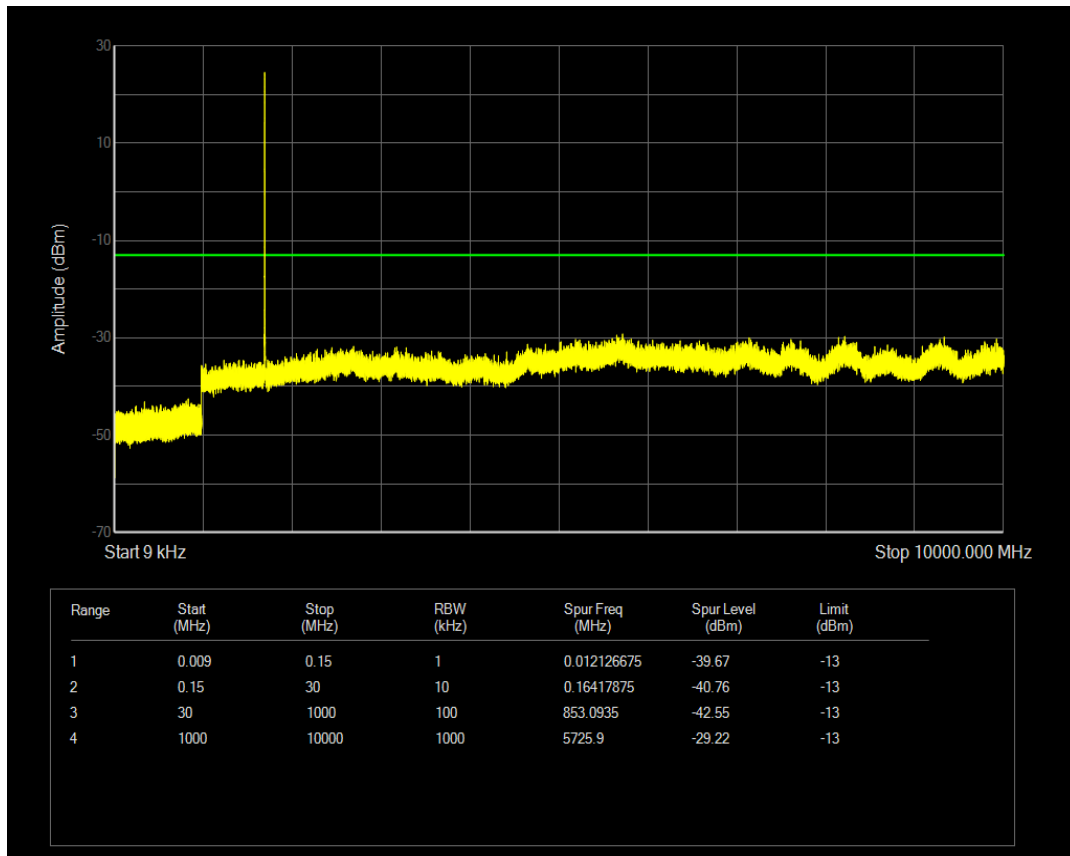
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	5613.63	-28.50	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5725.90	-29.22	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5621.73	-28.99	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5728.60	-28.79	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5658.18	-29.43	-13	PASS
Band4	1.4	20393	6	#0	16QAM	5653.90	-29.64	-13	PASS
Band4	3	19965	15	#0	QPSK	5684.05	-28.86	-13	PASS
Band4	3	19965	15	#0	16QAM	5639.73	-28.34	-13	PASS
Band4	3	20175	15	#0	QPSK	5693.05	-29.50	-13	PASS
Band4	3	20175	15	#0	16QAM	5647.83	-29.05	-13	PASS
Band4	3	20385	15	#0	QPSK	5700.93	-28.66	-13	PASS
Band4	3	20385	15	#0	16QAM	5673.93	-29.66	-13	PASS
Band4	5	19975	25	#0	QPSK	5677.75	-27.70	-13	PASS
Band4	5	19975	25	#0	16QAM	7071.63	-29.30	-13	PASS
Band4	5	20175	25	#0	QPSK	5672.13	-29.14	-13	PASS
Band4	5	20175	25	#0	16QAM	5651.88	-29.19	-13	PASS
Band4	5	20375	25	#0	QPSK	5652.55	-28.76	-13	PASS
Band4	5	20375	25	#0	16QAM	5772.48	-29.46	-13	PASS
Band4	10	20000	50	#0	QPSK	6297.63	-29.37	-13	PASS
Band4	10	20175	50	#0	QPSK	5682.03	-29.36	-13	PASS
Band4	10	20350	50	#0	QPSK	5740.53	-28.05	-13	PASS

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

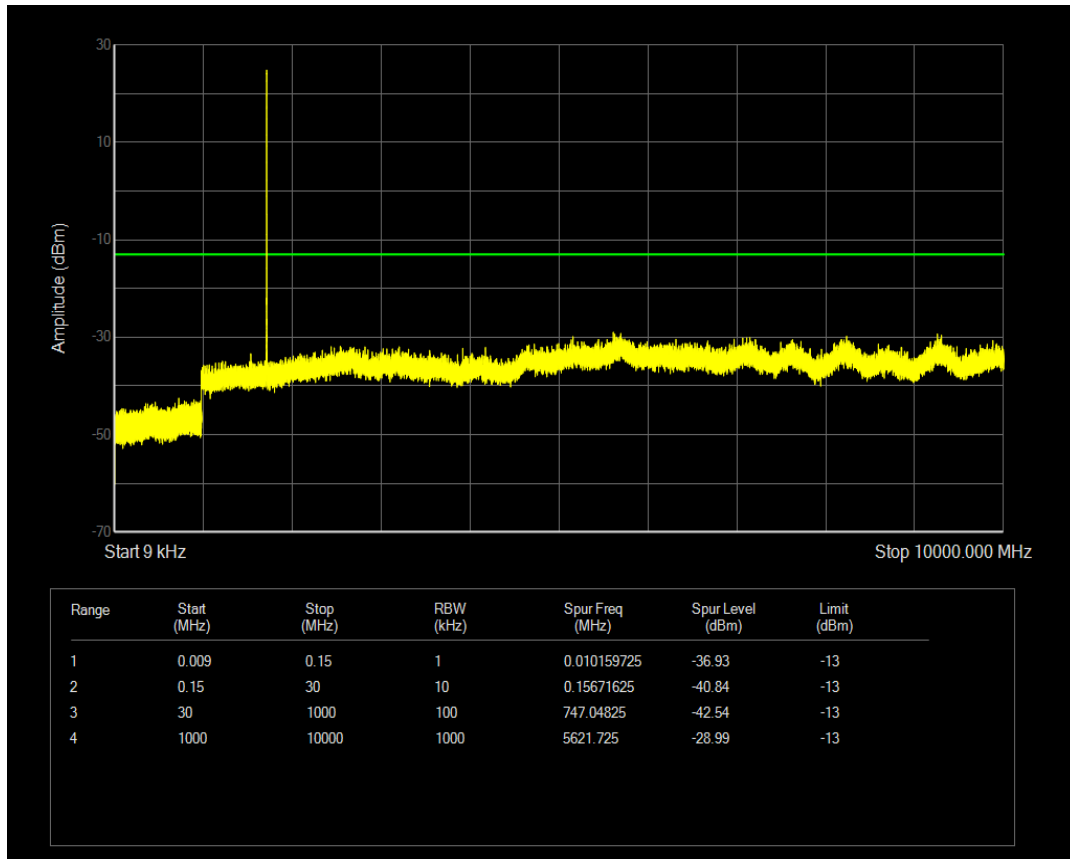




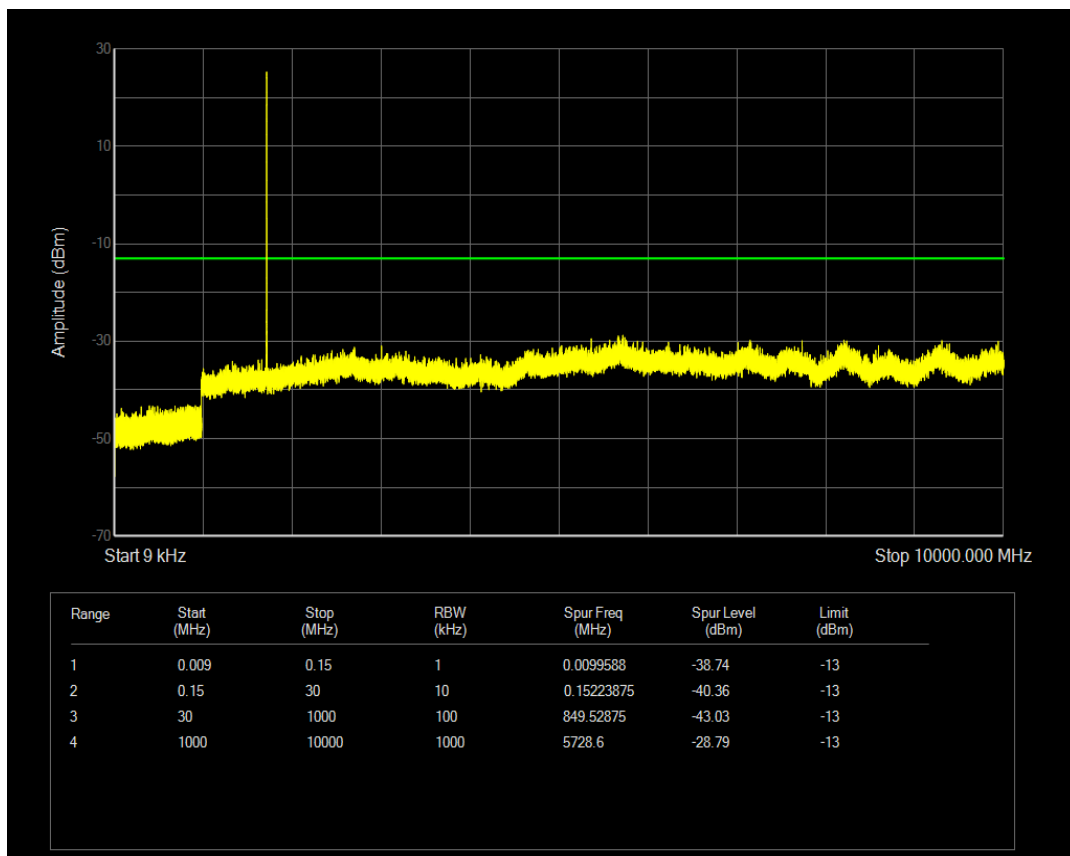
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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

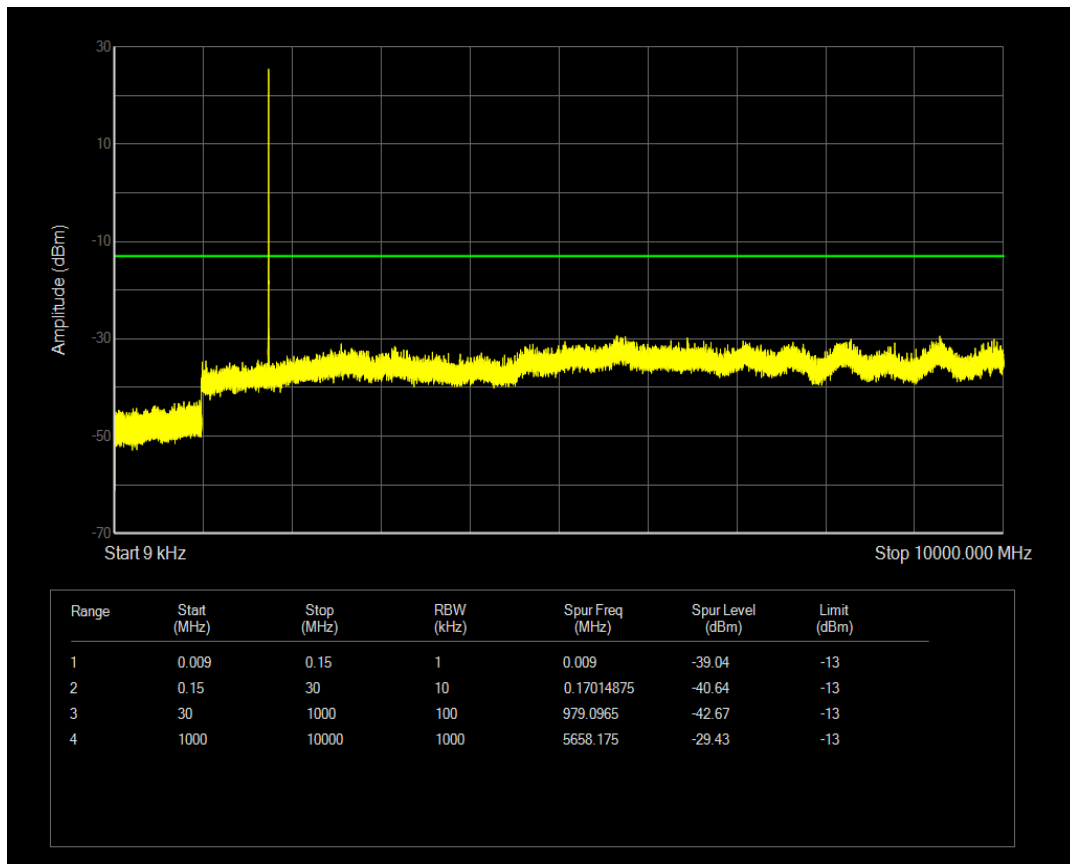


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

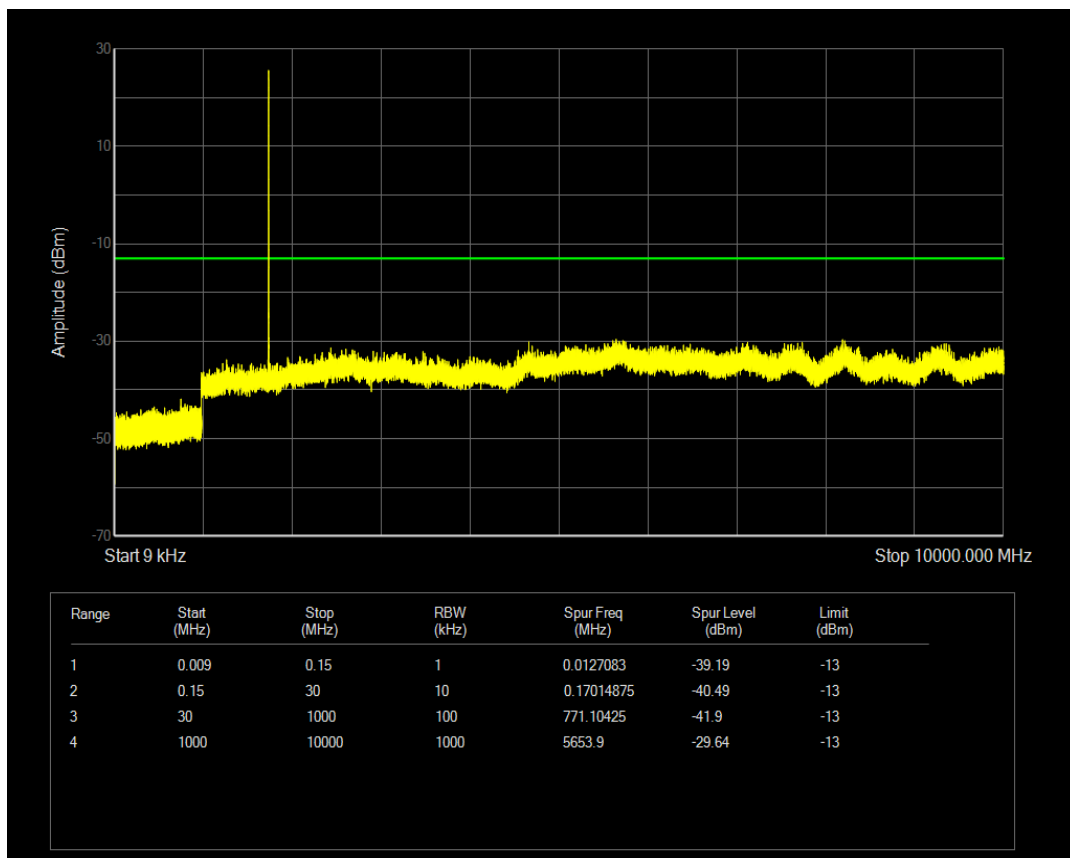




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

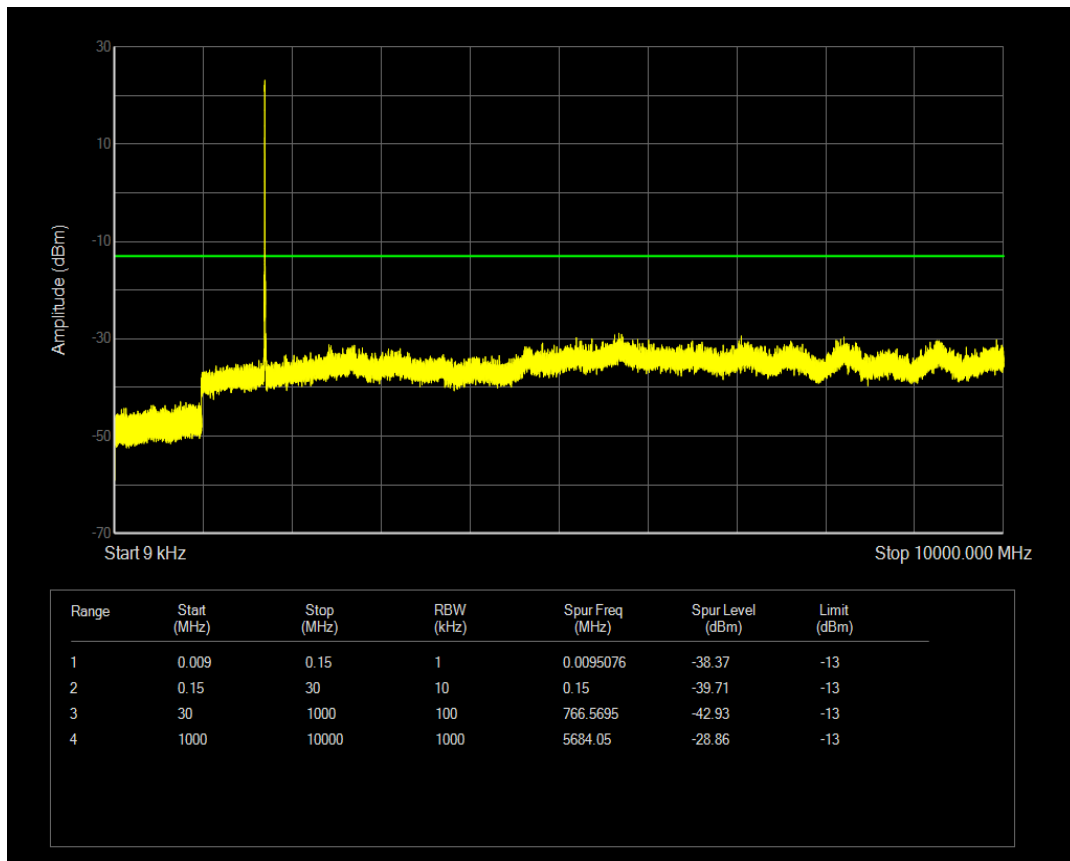


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

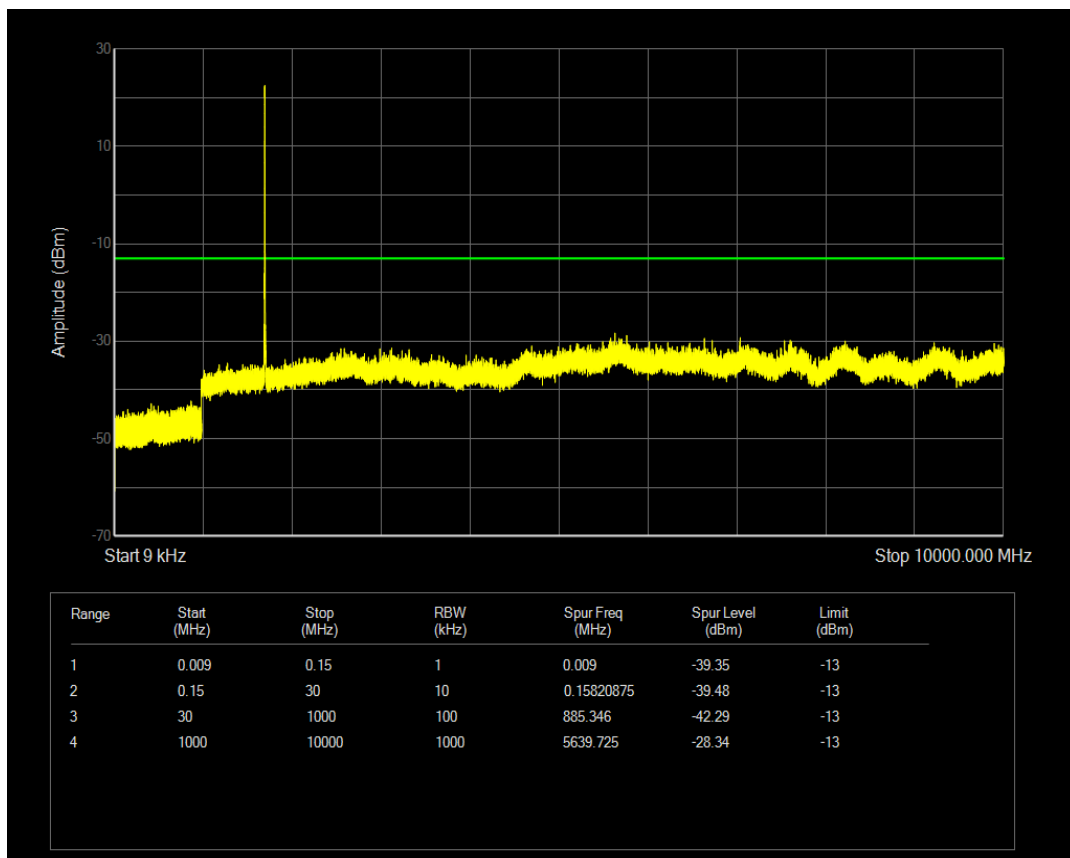




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

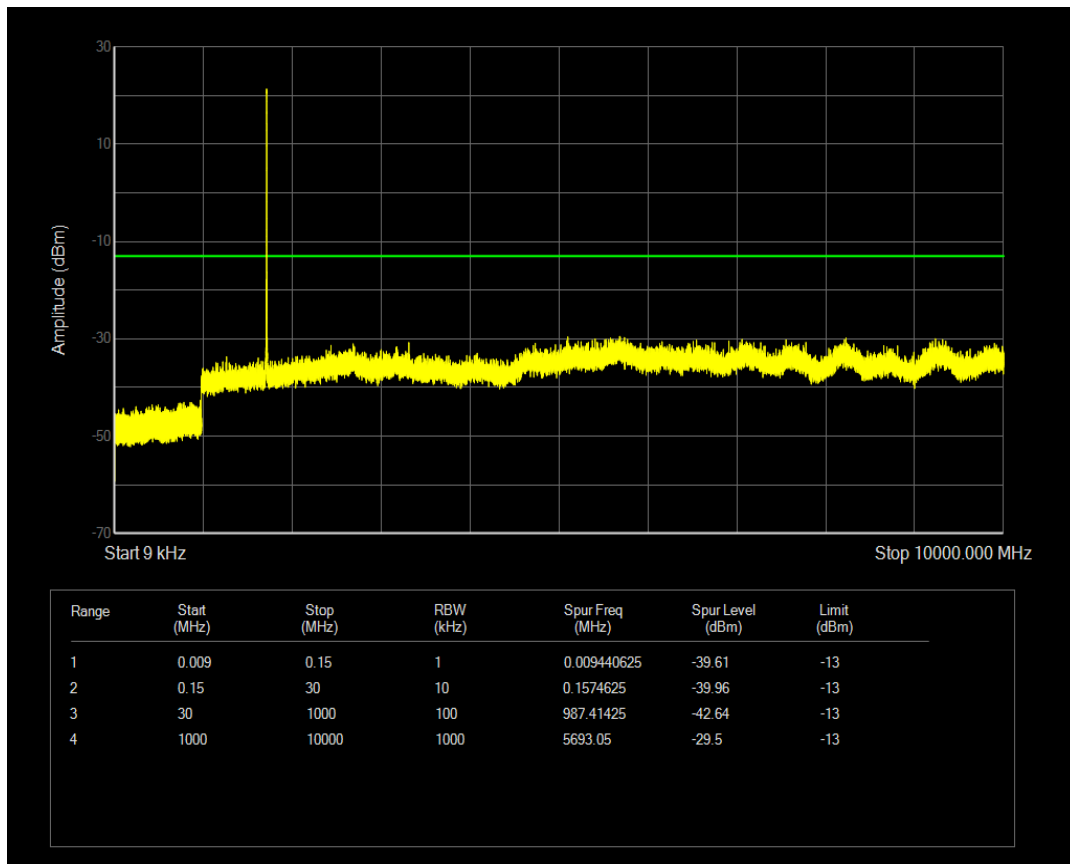


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

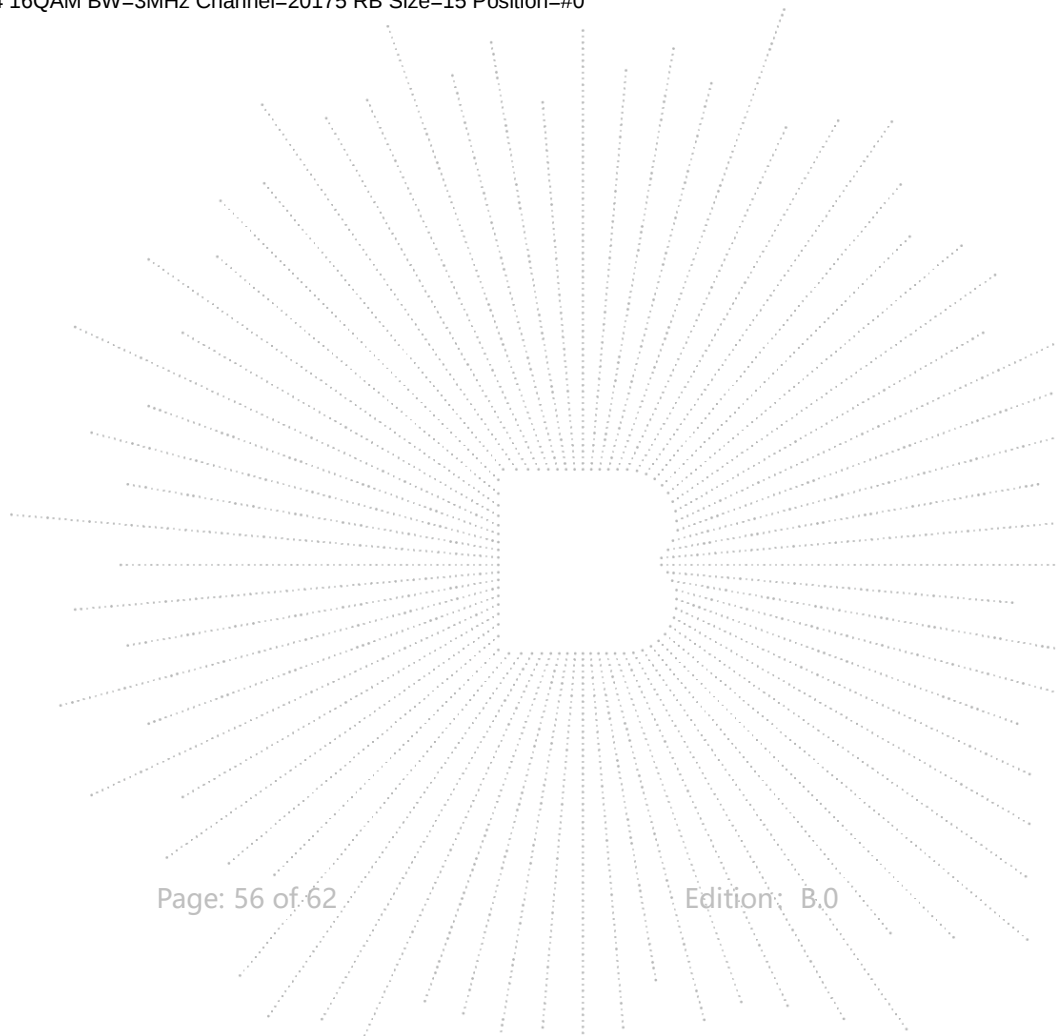


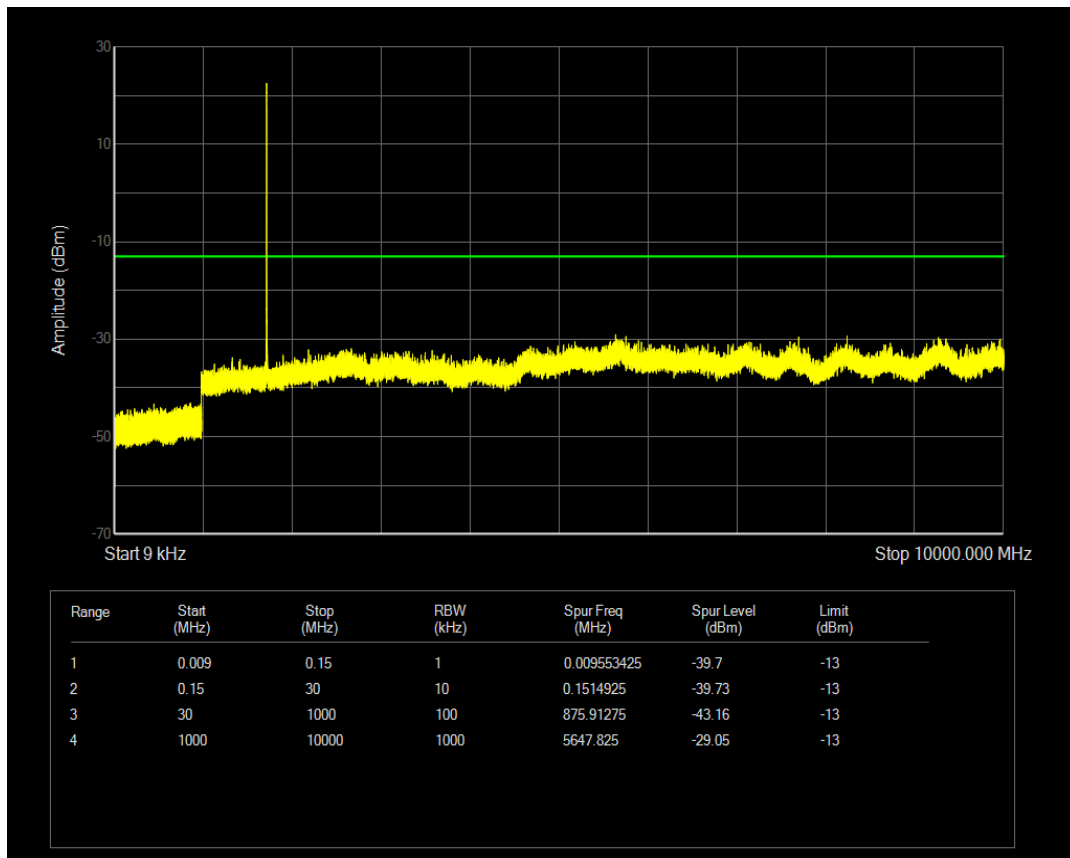


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

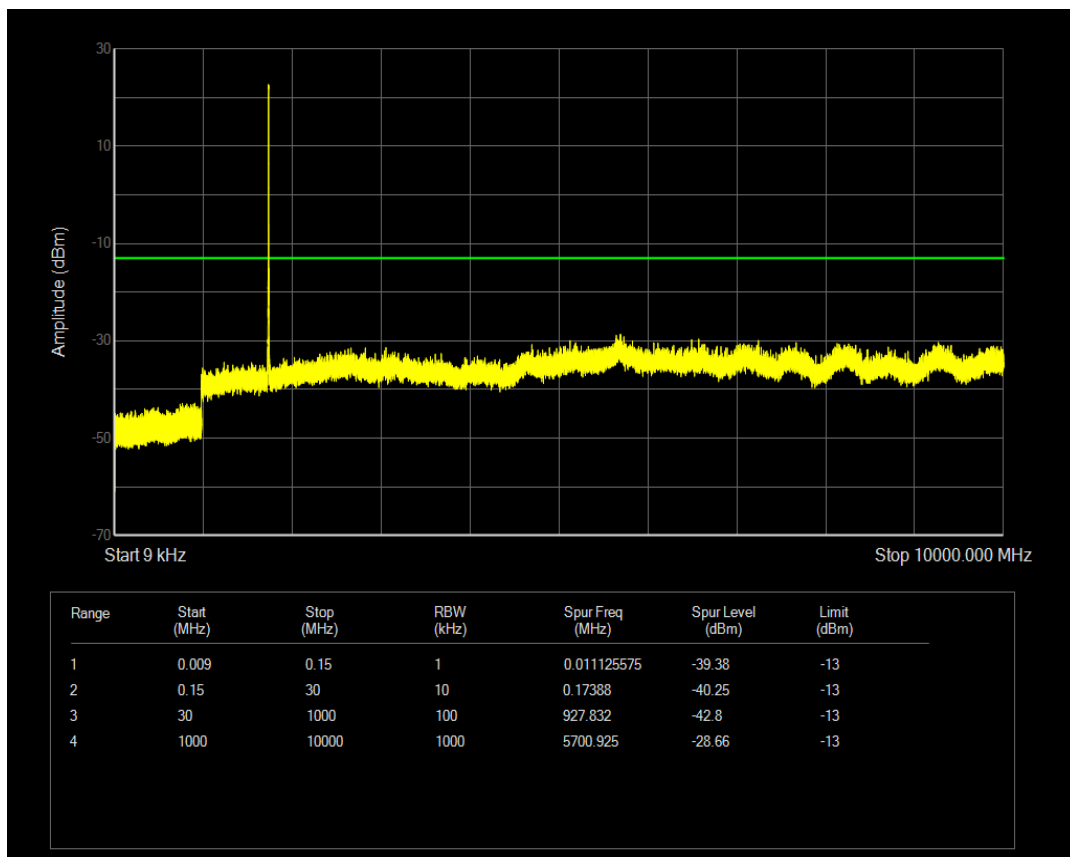


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



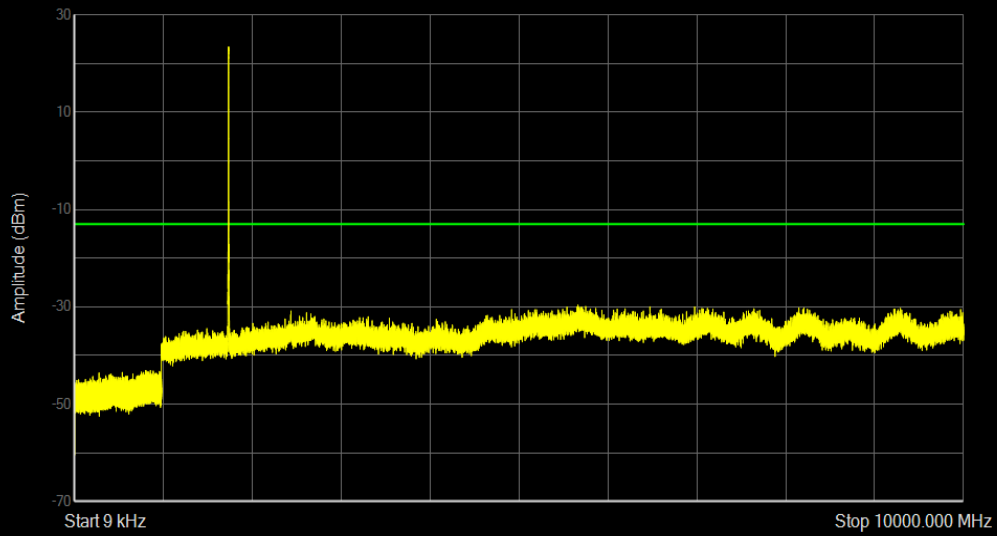


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



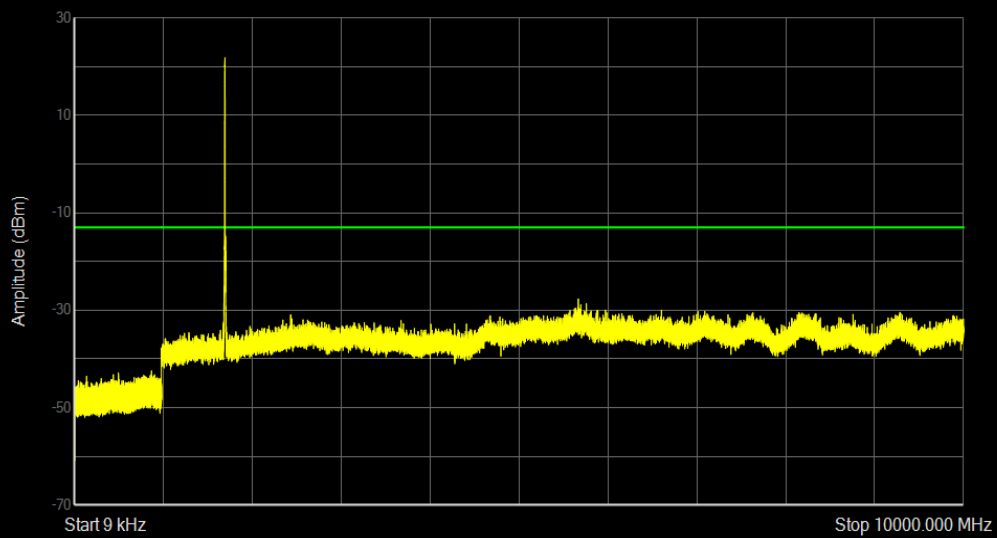


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



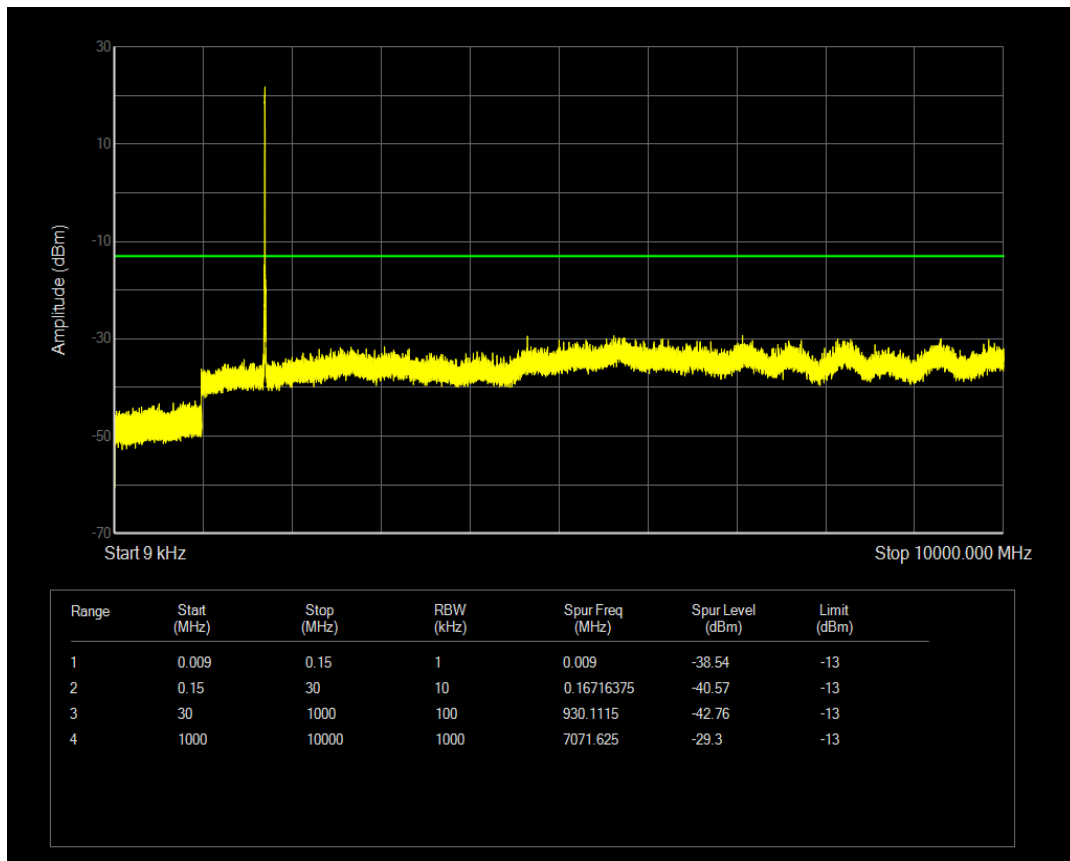
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011115	-38.2	-13
2	0.15	30	10	0.16567125	-38.97	-13
3	30	1000	100	823.5085	-43.09	-13
4	1000	10000	1000	5673.925	-29.66	-13

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

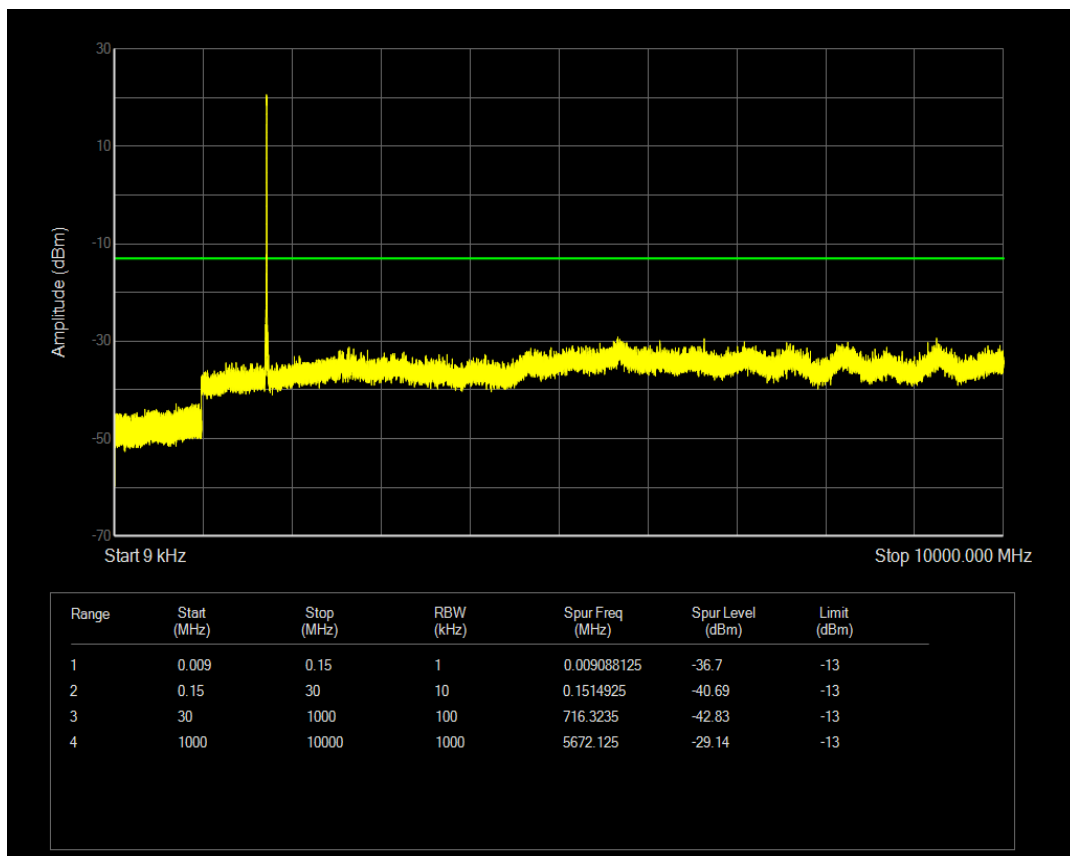


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01043115	-39.76	-13
2	0.15	30	10	0.15074625	-39.48	-13
3	30	1000	100	889.905	-42.46	-13
4	1000	10000	1000	5677.75	-27.7	-13

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

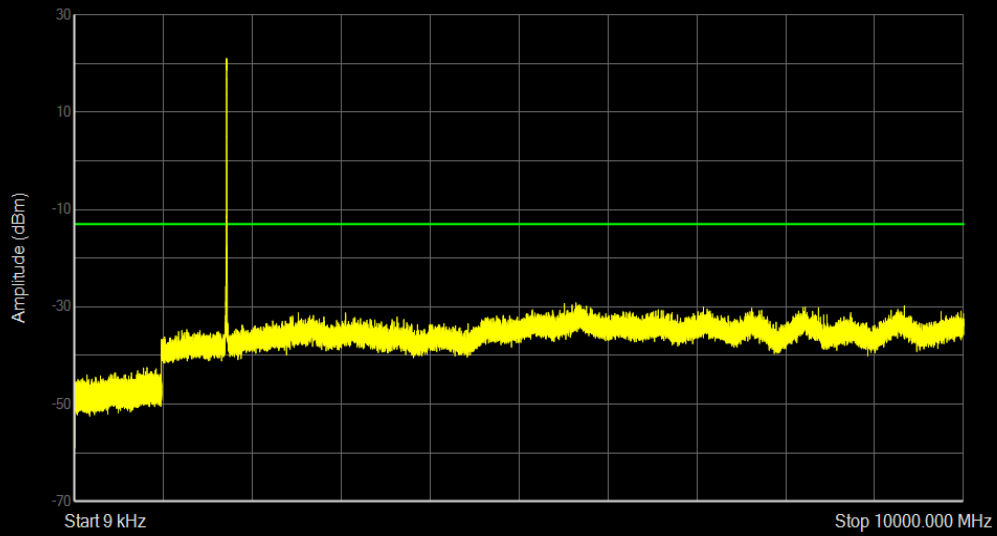


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



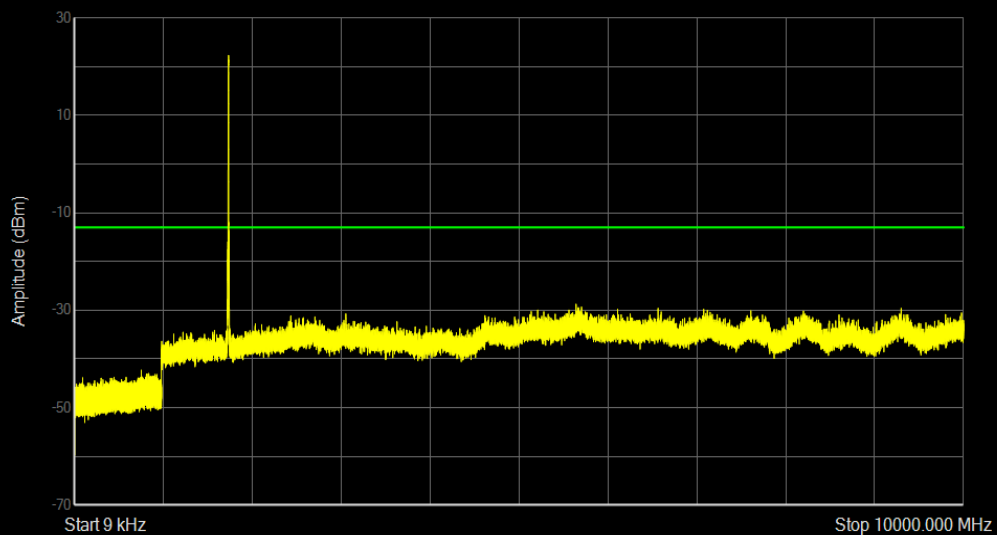


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00935955	-38.68	-13
2	0.15	30	10	0.152985	-41.11	-13
3	30	1000	100	839.5135	-42.51	-13
4	1000	10000	1000	5651.875	-29.19	-13

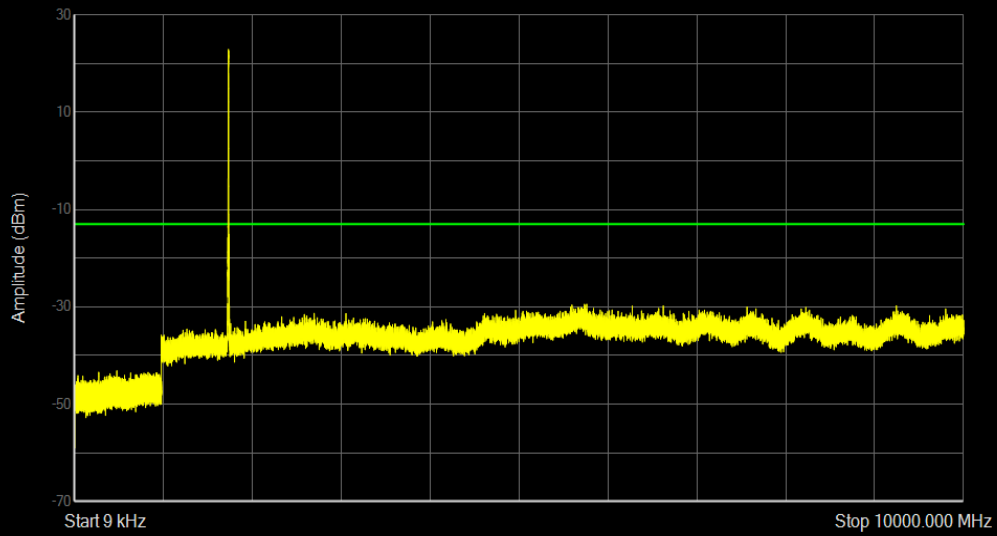
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092256	-39.48	-13
2	0.15	30	10	0.15597	-39.85	-13
3	30	1000	100	775.4935	-42.32	-13
4	1000	10000	1000	5652.55	-28.76	-13

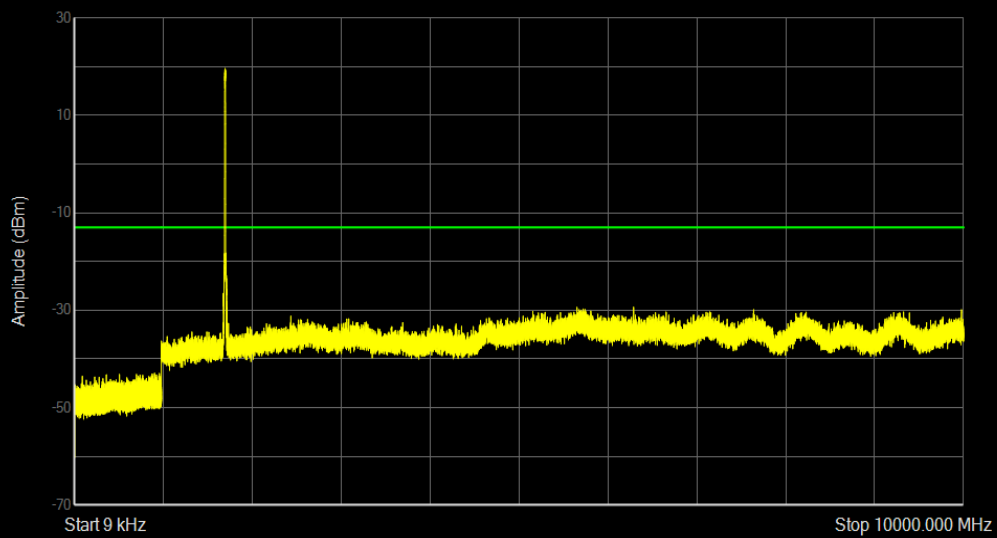


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009856575	-36.07	-13
2	0.15	30	10	0.16119375	-40.96	-13
3	30	1000	100	501.129	-43.18	-13
4	1000	10000	1000	5772.475	-29.46	-13

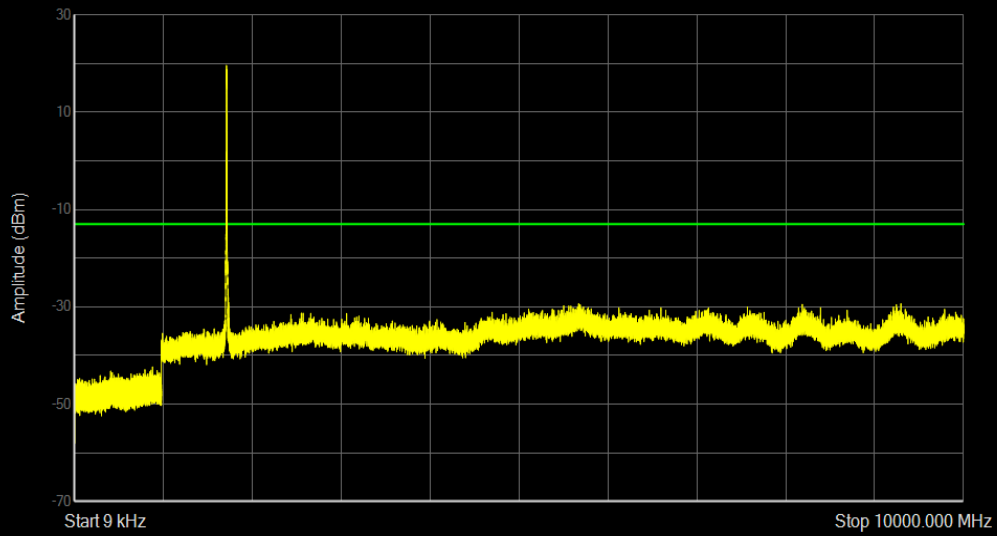
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00958515	-39.97	-13
2	0.15	30	10	0.15	-40.02	-13
3	30	1000	100	923.63675	-42.94	-13
4	1000	10000	1000	6297.625	-29.37	-13

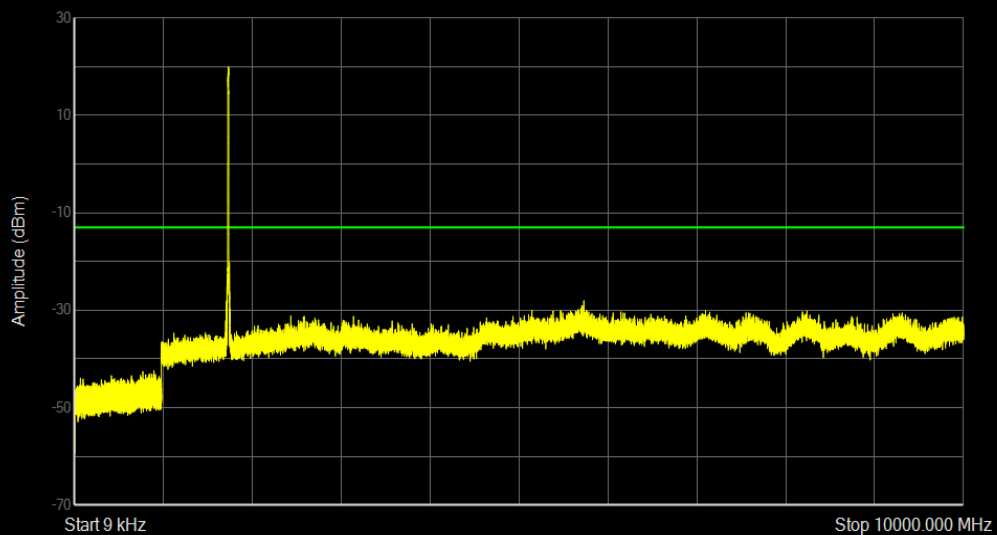


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-39.37	-13
2	0.15	30	10	0.1514925	-40.97	-13
3	30	1000	100	901.47225	-42.36	-13
4	1000	10000	1000	5682.025	-29.36	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009257325	-39.53	-13
2	0.15	30	10	0.1604475	-39.35	-13
3	30	1000	100	917.13775	-42.46	-13
4	1000	10000	1000	5740.525	-28.05	-13