Appendix for Band 4

Report No.:	BCTC2307757199-6E
Applicant:	Shenzhen Qichang Intelligent Technology Co., Ltd
Product Name:	Smart phone
Model/Type reference:	F101 PRO
Tested Date:	2023-07-03 to 2023-07-14
Issued Date:	2023-07-17

Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.62	1.1	23.72	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.69	1.1	23.79	PASS
Band4	1.4	19957	1	#Max	QPSK	22.56	1.1	23.66	PASS
Band4	1.4	19957	3	#0	QPSK	22.52	1.1	23.62	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.53	1.1	23.63	PASS
Band4	1.4	19957	3	#Max	QPSK	22.48	1.1	23.58	PASS
Band4	1.4	19957	6	#0	QPSK	21.55	1.1	22.65	PASS
Band4	1.4	19957	1	#0	16QAM	21.32	1.1	22.42	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.43	1.1	22.53	PASS
Band4	1.4	19957	1	#Max	16QAM	21.32	1.1	22.42	PASS
Band4	1.4	19957	3	#0	16QAM	21.60	1.1	22.70	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.59	1.1	22.69	PASS
Band4	1.4	19957	3	#Max	16QAM	21.62	1.1	22.72	PASS
Band4	1.4	19957	6	#0	16QAM	20.74	1.1	21.84	PASS
Band4	1.4	20175	1	#0	QPSK	23.16	1.1	24.26	PASS
Band4	1.4	20175	1	#Mid	QPSK	23.34	1.1	24.44	PASS
Band4	1.4	20175	1	#Max	QPSK	23.19	1.1	24.29	PASS
Band4	1.4	20175	3	#0	QPSK	23.04	1.1	24.14	PASS
Band4	1.4	20175	3	#Mid	QPSK	23.08	1.1	24.18	PASS
Band4	1.4	20175	3	#Max	QPSK	23.18	1.1	24.28	PASS
Band4	1.4	20175	6	#0	QPSK	22.20	1.1	23.30	PASS
Band4	1.4	20175	1	#0	16QAM	22.09	1.1	23.19	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.19	1.1	23.29	PASS
Band4	1.4	20175	1	#Max	16QAM	22.10	1.1	23.20	PASS
Band4	1.4	20175	3	#0	16QAM	22.16	1.1	23.26	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.16	1.1	23.26	PASS
Band4	1.4	20175	3	#Max	16QAM	22.12	1.1	23.22	PASS
Band4	1.4	20175	6	#0	16QAM	21.28	1.1	22.38	PASS
Band4	1.4	20393	1	#0	QPSK	22.56	1.1	23.66	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.72	1.1	23.82	PASS
Band4	1.4	20393	1	#Max	QPSK	22.56	1.1	23.66	PASS
Band4	1.4	20393	3	#0	QPSK	22.66	1.1	23.76	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.66	1.1	23.76	PASS
Band4	1.4	20393	3	#Max	QPSK	22.64	1.1	23.74	PASS
Band4	1.4	20393	6	#0	QPSK	21.67	1.1	22.77	PASS
Band4	1.4	20393	1	#0	16QAM	21.70	1.1	22.80	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.82	1.1	22.92	PASS

Band4	1.4	20393	1	#Max	16QAM	21.72	1.1	22.82	PASS
Band4	1.4	20393	3	#0	16QAM	21.78	1.1	22.88	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.81	1.1	22.91	PASS
Band4	1.4	20393	3	#Max	16QAM	21.76	1.1	22.86	PASS
Band4	1.4	20393	6	#0	16QAM	20.78	1.1	21.88	PASS
Band4	3	19965	1	#0	QPSK	22.55	1.1	23.65	PASS
Band4	3	19965	1	#Mid	QPSK	22.85	1.1	23.95	PASS
Band4	3	19965	1	#Max	QPSK	22.64	1.1	23.74	PASS
Band4	3	19965	8	#0	QPSK	21.48	1.1	22.58	PASS
Band4	3	19965	8	#Mid	QPSK	21.52	1.1	22.62	PASS
Band4	3	19965	8	#Max	QPSK	21.52	1.1	22.62	PASS
Band4	3	19965	15	#0	QPSK	21.51	1.1	22.61	PASS
Band4	3	19965	1	#0	16QAM	21.37	1.1	22.47	PASS
Band4	3	19965	1	#Mid	16QAM	21.65	1.1	22.75	PASS
Band4	3	19965	1	#Max	16QAM	21.34	1.1	22.44	PASS
Band4	3	19965	8	#0	16QAM	20.51	1.1	21.61	PASS
Band4	3	19965	8	#Mid	16QAM	20.55	1.1	21.65	PASS
Band4	3	19965	8	#Max	16QAM	20.56	1.1	21.66	PASS
Band4	3	19965	15	#0	16QAM	20.57	1.1	21.67	PASS
Band4	3	20175	1	#0	QPSK	23.12	1.1	24.22	PASS
Band4	3	20175	1	#Mid	QPSK	23.44	1.1	24.54	PASS
Band4	3	20175	1	#Max	QPSK	23.11	1.1	24.21	PASS
Band4	3	20175	8	#0	QPSK	22.15	1.1	23.25	PASS
Band4	3	20175	8	#Mid	QPSK	22.17	1.1	23.27	PASS
Band4	3	20175	8	#Max	QPSK	22.13	1.1	23.23	PASS
Band4	3	20175	15	#0	QPSK	22.05	1.1	23.15	PASS
Band4	3	20175	1	#0	16QAM	22.37	1.1	23.47	PASS
Band4	3	20175	1	#Mid	16QAM	22.62	1.1	23.72	PASS
Band4	3	20175	1	#Max	16QAM	22.37	1.1	23.47	PASS
Band4	3	20175	8	#0	16QAM	21.15	1.1	22.25	PASS
Band4	3	20175	8	#Mid	16QAM	21.17	1.1	22.27	PASS
Band4	3	20175	8	#Max	16QAM	21.15	1.1	22.25	PASS
Band4	3	20175	15	#0	16QAM	21.11	1.1	22.21	PASS
Band4	3	20385	1	#0	QPSK	22.62	1.1	23.72	PASS
Band4	3	20385	1	#Mid	QPSK	23.17	1.1	24.27	PASS
Band4	3	20385	1	#Max	QPSK	22.65	1.1	23.75	PASS
Band4	3	20385	8	#0	QPSK	21.69	1.1	22.79	PASS
Band4	3	20385	8	#Mid	QPSK	21.71	1.1	22.81	PASS
Band4	3	20385	8	#Max	QPSK	21.65	1.1	22.75	PASS
Band4	3	20385	15	#0	QPSK	21.61	1.1	22.71	PASS
Band4	3	20385	1	#0	16QAM	21.78	1.1	22.88	PASS
Band4	3	20385	1	#Mid	16QAM	22.04	1.1	23.14	PASS

Band4	3	20385	1	#Max	16QAM	21.76	1.1	22.86	PASS
Band4	3	20385	8	#0	16QAM	20.63	1.1	21.73	PASS
Band4	3	20385	8	#Mid	16QAM	20.68	1.1	21.78	PASS
Band4	3	20385	8	#Max	16QAM	20.61	1.1	21.71	PASS
Band4	3	20385	15	#0	16QAM	20.57	1.1	21.67	PASS
Band4	5	19975	1	#0	QPSK	22.41	1.1	23.51	PASS
Band4	5	19975	1	#Mid	QPSK	22.85	1.1	23.95	PASS
Band4	5	19975	1	#Max	QPSK	22.41	1.1	23.51	PASS
Band4	5	19975	12	#0	QPSK	21.52	1.1	22.62	PASS
Band4	5	19975	12	#Mid	QPSK	21.54	1.1	22.64	PASS
Band4	5	19975	12	#Max	QPSK	21.53	1.1	22.63	PASS
Band4	5	19975	25	#0	QPSK	21.48	1.1	22.58	PASS
Band4	5	19975	1	#0	16QAM	21.87	1.1	22.97	PASS
Band4	5	19975	1	#Mid	16QAM	22.25	1.1	23.35	PASS
Band4	5	19975	1	#Max	16QAM	21.85	1.1	22.95	PASS
Band4	5	19975	12	#0	16QAM	20.52	1.1	21.62	PASS
Band4	5	19975	12	#Mid	16QAM	20.57	1.1	21.67	PASS
Band4	5	19975	12	#Max	16QAM	20.54	1.1	21.64	PASS
Band4	5	19975	25	#0	16QAM	20.53	1.1	21.63	PASS
Band4	5	20175	1	#0	QPSK	23.07	1.1	24.17	PASS
Band4	5	20175	1	#Mid	QPSK	23.49	1.1	24.59	PASS
Band4	5	20175	1	#Max	QPSK	23.14	1.1	24.24	PASS
Band4	5	20175	12	#0	QPSK	22.09	1.1	23.19	PASS
Band4	5	20175	12	#Mid	QPSK	22.12	1.1	23.22	PASS
Band4	5	20175	12	#Max	QPSK	22.13	1.1	23.23	PASS
Band4	5	20175	25	#0	QPSK	22.09	1.1	23.19	PASS
Band4	5	20175	1	#0	16QAM	22.21	1.1	23.31	PASS
Band4	5	20175	1	#Mid	16QAM	22.51	1.1	23.61	PASS
Band4	5	20175	1	#Max	16QAM	22.27	1.1	23.37	PASS
Band4	5	20175	12	#0	16QAM	21.04	1.1	22.14	PASS
Band4	5	20175	12	#Mid	16QAM	21.09	1.1	22.19	PASS
Band4	5	20175	12	#Max	16QAM	21.05	1.1	22.15	PASS
Band4	5	20175	25	#0	16QAM	21.10	1.1	22.20	PASS
Band4	5	20375	1	#0	QPSK	22.53	1.1	23.63	PASS
Band4	5	20375	1	#Mid	QPSK	22.88	1.1	23.98	PASS
Band4	5	20375	1	#Max	QPSK	22.48	1.1	23.58	PASS
Band4	5	20375	12	#0	QPSK	21.68	1.1	22.78	PASS
Band4	5	20375	12	#Mid	QPSK	21.73	1.1	22.83	PASS
Band4	5	20375	12	#Max	QPSK	21.62	1.1	22.72	PASS
Band4	5	20375	25	#0	QPSK	21.68	1.1	22.78	PASS
Band4	5	20375	1	#0	16QAM	21.83	1.1	22.93	PASS
Band4	5	20375	1	#Mid	16QAM	22.15	1.1	23.25	PASS

Band4	5	20375	1	#Max	16QAM	21.76	1.1	22.86	PASS
Band4	5	20375	12	#0	16QAM	20.63	1.1	21.73	PASS
Band4	5	20375	12	#Mid	16QAM	20.71	1.1	21.81	PASS
Band4	5	20375	12	#Max	16QAM	20.64	1.1	21.74	PASS
Band4	5	20375	25	#0	16QAM	20.62	1.1	21.72	PASS
Band4	10	20000	1	#0	QPSK	22.47	1.1	23.57	PASS
Band4	10	20000	1	#Mid	QPSK	22.68	1.1	23.78	PASS
Band4	10	20000	1	#Max	QPSK	22.61	1.1	23.71	PASS
Band4	10	20000	25	#0	QPSK	21.49	1.1	22.59	PASS
Band4	10	20000	25	#Mid	QPSK	21.56	1.1	22.66	PASS
Band4	10	20000	25	#Max	QPSK	21.63	1.1	22.73	PASS
Band4	10	20000	50	#0	QPSK	21.54	1.1	22.64	PASS
Band4	10	20000	1	#0	16QAM	21.80	1.1	22.90	PASS
Band4	10	20000	1	#Mid	16QAM	21.99	1.1	23.09	PASS
Band4	10	20000	1	#Max	16QAM	21.93	1.1	23.03	PASS
Band4	10	20000	25	#0	16QAM	20.55	1.1	21.65	PASS
Band4	10	20000	25	#Mid	16QAM	20.60	1.1	21.70	PASS
Band4	10	20000	25	#Max	16QAM	20.69	1.1	21.79	PASS
Band4	10	20000	50	#0	16QAM	20.60	1.1	21.70	PASS
Band4	10	20175	1	#0	QPSK	22.97	1.1	24.07	PASS
Band4	10	20175	1	#Mid	QPSK	23.27	1.1	24.37	PASS
Band4	10	20175	1	#Max	QPSK	23.09	1.1	24.19	PASS
Band4	10	20175	25	#0	QPSK	22.12	1.1	23.22	PASS
Band4	10	20175	25	#Mid	QPSK	22.12	1.1	23.22	PASS
Band4	10	20175	25	#Max	QPSK	22.12	1.1	23.22	PASS
Band4	10	20175	50	#0	QPSK	22.10	1.1	23.20	PASS
Band4	10	20175	1	#0	16QAM	22.05	1.1	23.15	PASS
Band4	10	20175	1	#Mid	16QAM	22.28	1.1	23.38	PASS
Band4	10	20175	1	#Max	16QAM	22.13	1.1	23.23	PASS
Band4	10	20175	25	#0	16QAM	21.13	1.1	22.23	PASS
Band4	10	20175	25	#Mid	16QAM	21.10	1.1	22.20	PASS
Band4	10	20175	25	#Max	16QAM	21.15	1.1	22.25	PASS
Band4	10	20175	50	#0	16QAM	21.13	1.1	22.23	PASS
Band4	10	20350	1	#0	QPSK	22.91	1.1	24.01	PASS
Band4	10	20350	1	#Mid	QPSK	22.96	1.1	24.06	PASS
Band4	10	20350	1	#Max	QPSK	22.69	1.1	23.79	PASS
Band4	10	20350	25	#0	QPSK	21.84	1.1	22.94	PASS
Band4	10	20350	25	#Mid	QPSK	21.70	1.1	22.80	PASS
Band4	10	20350	25	#Max	QPSK	21.71	1.1	22.81	PASS
Band4	10	20350	50	#0	QPSK	21.72	1.1	22.82	PASS
Band4	10	20350	1	#0	16QAM	21.62	1.1	22.72	PASS
Band4	10	20350	1	#Mid	16QAM	21.67	1.1	22.77	PASS

Band4	10	20350	1	#Max	16QAM	21.40	1.1	22.50	PASS
Band4	10	20350	25	#0	16QAM	20.83	1.1	21.93	PASS
Band4	10	20350	25	#Mid	16QAM	20.71	1.1	21.81	PASS
Band4	10	20350	25	#Max	16QAM	20.69	1.1	21.79	PASS
Band4	10	20350	50	#0	16QAM	20.70	1.1	21.80	PASS
Band4	15	20025	1	#0	QPSK	22.44	1.1	23.54	PASS
Band4	15	20025	1	#Mid	QPSK	22.74	1.1	23.84	PASS
Band4	15	20025	1	#Max	QPSK	22.74	1.1	23.84	PASS
Band4	15	20025	36	#0	QPSK	21.59	1.1	22.69	PASS
Band4	15	20025	36	#Mid	QPSK	21.75	1.1	22.85	PASS
Band4	15	20025	36	#Max	QPSK	21.80	1.1	22.90	PASS
Band4	15	20025	75	#0	QPSK	21.70	1.1	22.80	PASS
Band4	15	20025	1	#0	16QAM	21.76	1.1	22.86	PASS
Band4	15	20025	1	#Mid	16QAM	22.11	1.1	23.21	PASS
Band4	15	20025	1	#Max	16QAM	21.96	1.1	23.06	PASS
Band4	15	20025	36	#0	16QAM	20.62	1.1	21.72	PASS
Band4	15	20025	36	#Mid	16QAM	20.73	1.1	21.83	PASS
Band4	15	20025	36	#Max	16QAM	20.78	1.1	21.88	PASS
Band4	15	20025	75	#0	16QAM	20.68	1.1	21.78	PASS
Band4	15	20175	1	#0	QPSK	22.84	1.1	23.94	PASS
Band4	15	20175	1	#Mid	QPSK	23.38	1.1	24.48	PASS
Band4	15	20175	1	#Max	QPSK	23.00	1.1	24.10	PASS
Band4	15	20175	36	#0	QPSK	22.20	1.1	23.30	PASS
Band4	15	20175	36	#Mid	QPSK	22.28	1.1	23.38	PASS
Band4	15	20175	36	#Max	QPSK	22.27	1.1	23.37	PASS
Band4	15	20175	75	#0	QPSK	22.23	1.1	23.33	PASS
Band4	15	20175	1	#0	16QAM	21.87	1.1	22.97	PASS
Band4	15	20175	1	#Mid	16QAM	22.38	1.1	23.48	PASS
Band4	15	20175	1	#Max	16QAM	22.07	1.1	23.17	PASS
Band4	15	20175	36	#0	16QAM	21.16	1.1	22.26	PASS
Band4	15	20175	36	#Mid	16QAM	21.25	1.1	22.35	PASS
Band4	15	20175	36	#Max	16QAM	21.27	1.1	22.37	PASS
Band4	15	20175	75	#0	16QAM	21.15	1.1	22.25	PASS
Band4	15	20325	1	#0	QPSK	23.08	1.1	24.18	PASS
Band4	15	20325	1	#Mid	QPSK	23.24	1.1	24.34	PASS
Band4	15	20325	1	#Max	QPSK	22.64	1.1	23.74	PASS
Band4	15	20325	36	#0	QPSK	22.06	1.1	23.16	PASS
Band4	15	20325	36	#Mid	QPSK	21.99	1.1	23.09	PASS
Band4	15	20325	36	#Max	QPSK	21.82	1.1	22.92	PASS
Band4	15	20325	75	#0	QPSK	21.95	1.1	23.05	PASS
Band4	15	20325	1	#0	16QAM	21.98	1.1	23.08	PASS
Band4	15	20325	1	#Mid	16QAM	22.18	1.1	23.28	PASS

Band4	15	20325	1	#Max	16QAM	21.62	1.1	22.72	PASS
Band4	15	20325	36	#0	16QAM	20.95	1.1	22.05	PASS
Band4	15	20325	36	#Mid	16QAM	20.86	1.1	21.96	PASS
Band4	15	20325	36	#Max	16QAM	20.68	1.1	21.78	PASS
Band4	15	20325	75	#0	16QAM	20.91	1.1	22.01	PASS
Band4	20	20050	1	#0	QPSK	22.46	1.1	23.56	PASS
Band4	20	20050	1	#Mid	QPSK	22.93	1.1	24.03	PASS
Band4	20	20050	1	#Max	QPSK	23.04	1.1	24.14	PASS
Band4	20	20050	50	#0	QPSK	21.50	1.1	22.60	PASS
Band4	20	20050	50	#Mid	QPSK	21.72	1.1	22.82	PASS
Band4	20	20050	50	#Max	QPSK	21.78	1.1	22.88	PASS
Band4	20	20050	100	#0	QPSK	21.60	1.1	22.70	PASS
Band4	20	20050	1	#0	16QAM	21.56	1.1	22.66	PASS
Band4	20	20050	1	#Mid	16QAM	21.92	1.1	23.02	PASS
Band4	20	20050	1	#Max	16QAM	22.02	1.1	23.12	PASS
Band4	20	20050	50	#0	16QAM	20.50	1.1	21.60	PASS
Band4	20	20050	50	#Mid	16QAM	20.72	1.1	21.82	PASS
Band4	20	20050	50	#Max	16QAM	20.79	1.1	21.89	PASS
Band4	20	20050	100	#0	16QAM	20.65	1.1	21.75	PASS
Band4	20	20175	1	#0	QPSK	22.69	1.1	23.79	PASS
Band4	20	20175	1	#Mid	QPSK	23.31	1.1	24.41	PASS
Band4	20	20175	1	#Max	QPSK	22.96	1.1	24.06	PASS
Band4	20	20175	50	#0	QPSK	21.96	1.1	23.06	PASS
Band4	20	20175	50	#Mid	QPSK	22.10	1.1	23.20	PASS
Band4	20	20175	50	#Max	QPSK	22.09	1.1	23.19	PASS
Band4	20	20175	100	#0	QPSK	22.00	1.1	23.10	PASS
Band4	20	20175	1	#0	16QAM	21.79	1.1	22.89	PASS
Band4	20	20175	1	#Mid	16QAM	22.36	1.1	23.46	PASS
Band4	20	20175	1	#Max	16QAM	22.05	1.1	23.15	PASS
Band4	20	20175	50	#0	16QAM	21.04	1.1	22.14	PASS
Band4	20	20175	50	#Mid	16QAM	21.18	1.1	22.28	PASS
Band4	20	20175	50	#Max	16QAM	21.07	1.1	22.17	PASS
Band4	20	20175	100	#0	16QAM	21.02	1.1	22.12	PASS
Band4	20	20300	1	#0	QPSK	23.04	1.1	24.14	PASS
Band4	20	20300	1	#Mid	QPSK	23.11	1.1	24.21	PASS
Band4	20	20300	1	#Max	QPSK	22.55	1.1	23.65	PASS
Band4	20	20300	50	#0	QPSK	22.07	1.1	23.17	PASS
Band4	20	20300	50	#Mid	QPSK	21.96	1.1	23.06	PASS
Band4	20	20300	50	#Max	QPSK	21.77	1.1	22.87	PASS
Band4	20	20300	100	#0	QPSK	21.92	1.1	23.02	PASS
Band4	20	20300	1	#0	16QAM	22.17	1.1	23.27	PASS
Band4	20	20300	1	#Mid	16QAM	22.26	1.1	23.36	PASS

Band4	20	20300	1	#Max	16QAM	21.79	1.1	22.89	PASS
Band4	20	20300	50	#0	16QAM	21.04	1.1	22.14	PASS
Band4	20	20300	50	#Mid	16QAM	20.99	1.1	22.09	PASS
Band4	20	20300	50	#Max	16QAM	20.75	1.1	21.85	PASS
Band4	20	20300	100	#0	16QAM	20.91	1.1	22.01	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	-1.43	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-9.87	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-16.25	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-9.86	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-4.13	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	1.73	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	8.14	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	13.99	0.008	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	2.80	0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	7.24	0.004	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	5.25	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	-0.19	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	1.59	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-3.60	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-4.03	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.41	-0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	-6.84	-0.004	-2.5	2.5	PASS
Band	1.4	20393	6	#0	16QAM	HV	NT	1.89	0.001	-2.5	2.5	PASS

4												
Band 4	3	19965	15	#0	QPSK	LV	NT	-18.41	-0.011	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	NT	-31.19	-0.018	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-25.12	-0.015	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-10.83	-0.006	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-1.69	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	7.20	0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	8.73	0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	3.46	0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	-1.66	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	-5.39	-0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	-4.82	-0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	-2.26	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-3.52	-0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	-9.46	-0.005	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	-8.44	-0.005	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	-6.38	-0.004	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	-3.38	-0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	-3.36	-0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-11.26	-0.007	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-14.62	-0.009	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-5.05	-0.003	-2.5	2.5	PASS

Band 4	5	19975	25	#0	16QAM	LV	NT	0.69	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	NT	-0.01	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	0.92	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-1.06	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	1.53	0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	-2.53	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	-1.66	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	0.43	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	-4.62	-0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	-0.80	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	-6.19	-0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-4.19	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-7.02	-0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	-1.56	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	-6.65	-0.004	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-14.16	-0.008	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-12.75	-0.007	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	-5.71	-0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	-5.95	-0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	-1.65	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	-2.60	-0.002	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	LV	NT	-7.14	-0.00	-2.5	2.5	PASS

4									4			
Band 4	10	20175	50	#0	QPSK	NV	NT	-7.37	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	HV	NT	-2.70	-0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	LV	NT	-3.28	-0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	-2.09	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	-3.68	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-7.80	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	-9.67	-0.006	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-6.25	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	-4.38	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	-2.53	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	-3.36	-0.002	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-11.79	-0.007	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-5.36	-0.003	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-4.29	-0.002	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	-2.42	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	-4.38	-0.003	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	-6.65	-0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	-2.75	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-3.58	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-6.34	-0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	-3.05	-0.002	-2.5	2.5	PASS

Band 4	15	20175	75	#0	16QAM	NV	NT	-3.89	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	HV	NT	-2.90	-0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-0.83	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	-8.60	-0.005	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	-5.38	-0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	-3.45	-0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	0.46	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	-3.16	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	-8.98	-0.005	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	-5.52	-0.003	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-1.89	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	-3.65	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	-5.69	-0.003	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	-5.98	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-6.04	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-3.82	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-2.59	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-4.98	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	-0.84	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	-4.06	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	-7.80	-0.004	-2.5	2.5	PASS
Band	20	20300	100	#0	QPSK	NV	NT	-5.31	-0.00	-2.5	2.5	PASS

4									3			
Band 4	20	20300	100	#0	QPSK	HV	NT	-5.76	-0.003	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	LV	NT	-0.01	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	-1.96	-0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	HV	NT	-1.80	-0.001	-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	-3.05	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	-2.72	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	1.43	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	-1.27	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	-6.15	-0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	-30	0.30	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	-20	-4.78	-0.003	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	0	-1.86	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	10	1.67	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QAM16	NV	20	-4.86	-0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	-8.04	-0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	1.26	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	-9.08	-0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	-7.35	-0.004	-2.5	2.5	PASS
Band	1.4	20175	6	#0	QPSK	NV	20	-2.86	-0.00	-2.5	2.5	PASS

4									2			
Band 4	1.4	20175	6	#0	QAM16	NV	-30	8.91	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	-20	3.20	0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	0	0.31	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	10	5.08	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QAM16	NV	20	1.46	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	1.65	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	4.62	0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-0.89	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-9.14	-0.005	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-10.11	-0.006	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	-30	2.23	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	-20	2.59	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	0	-12.23	-0.007	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	10	-3.93	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QAM16	NV	20	-9.03	-0.005	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	-1.66	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	-3.86	-0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	-11.42	-0.007	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	3.36	0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	1.80	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	-30	6.37	0.004	-2.5	2.5	PASS

Band 4	3	19965	15	#0	QAM16	NV	-20	6.71	0.004	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	0	9.07	0.005	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	10	1.66	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QAM16	NV	20	3.28	0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-9.13	-0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	-5.99	-0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-5.39	-0.003	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	-2.17	-0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	-9.28	-0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	-30	-0.33	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	-20	-10.14	-0.006	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	0	-6.91	-0.004	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	10	-3.40	-0.002	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QAM16	NV	20	-1.60	-0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	-5.41	-0.003	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	6.42	0.004	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	-8.81	-0.005	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	3.82	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	3.38	0.002	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	-30	-5.91	-0.003	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	-20	4.41	0.003	-2.5	2.5	PASS
Band	3	20385	15	#0	QAM16	NV	0	-2.32	-0.00	-2.5	2.5	PASS

4									1			
Band 4	3	20385	15	#0	QAM16	NV	10	1.10	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QAM16	NV	20	6.55	0.004	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	1.73	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	-6.65	-0.004	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	1.24	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	3.91	0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	-1.59	-0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	-30	-3.26	-0.002	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	-20	4.51	0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	0	6.95	0.004	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	10	0.70	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QAM16	NV	20	-4.84	-0.003	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	-2.52	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	-9.51	-0.005	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	-2.85	-0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	-7.20	-0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	-1.80	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	-30	-0.77	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	-20	-2.15	-0.001	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	0	-0.83	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QAM16	NV	10	1.82	0.001	-2.5	2.5	PASS

Band 4	5	20175	25	#0	QAM16	NV	20	0.41	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-30	3.40	0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	-5.18	-0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	3.42	0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-2.72	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	2.59	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	-30	-0.86	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	-20	-4.82	-0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	0	-1.67	-0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	10	-3.26	-0.002	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QAM16	NV	20	0.30	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	1.77	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-3.42	-0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-3.59	-0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-2.33	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	3.20	0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	-30	3.36	0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	-20	-1.72	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	0	-3.59	-0.002	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	10	-1.17	-0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QAM16	NV	20	-2.83	-0.002	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	NV	-30	-0.94	-0.00	-2.5	2.5	PASS

4									1			
Band 4	10	20175	50	#0	QPSK	NV	-20	-2.23	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	0	-6.41	-0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	-1.00	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-1.06	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	-30	3.78	0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	-20	-1.34	-0.001	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	0	-0.79	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	10	-0.14	0.000	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QAM16	NV	20	-3.62	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	-5.21	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	-3.96	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-6.68	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	-0.47	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	-5.14	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	-30	-1.92	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	-20	-5.79	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	0	-2.53	-0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	10	-3.08	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QAM16	NV	20	-2.05	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	-0.44	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	1.92	0.001	-2.5	2.5	PASS

Band 4	15	20025	75	#0	QPSK	NV	0	-1.85	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	10	1.30	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	-3.98	-0.002	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	-30	-4.53	-0.003	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	-20	-2.40	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	0	-1.14	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	10	0.59	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QAM16	NV	20	-2.06	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	-7.15	-0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	1.89	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	-0.34	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	-3.62	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	20	-4.25	-0.002	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	-30	2.10	0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	-20	-2.46	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	0	-4.43	-0.003	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	10	-0.27	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QAM16	NV	20	-3.95	-0.002	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	-2.10	-0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	0.16	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	0.01	0.000	-2.5	2.5	PASS
Band	15	20325	75	#0	QPSK	NV	10	-2.79	-0.00	-2.5	2.5	PASS

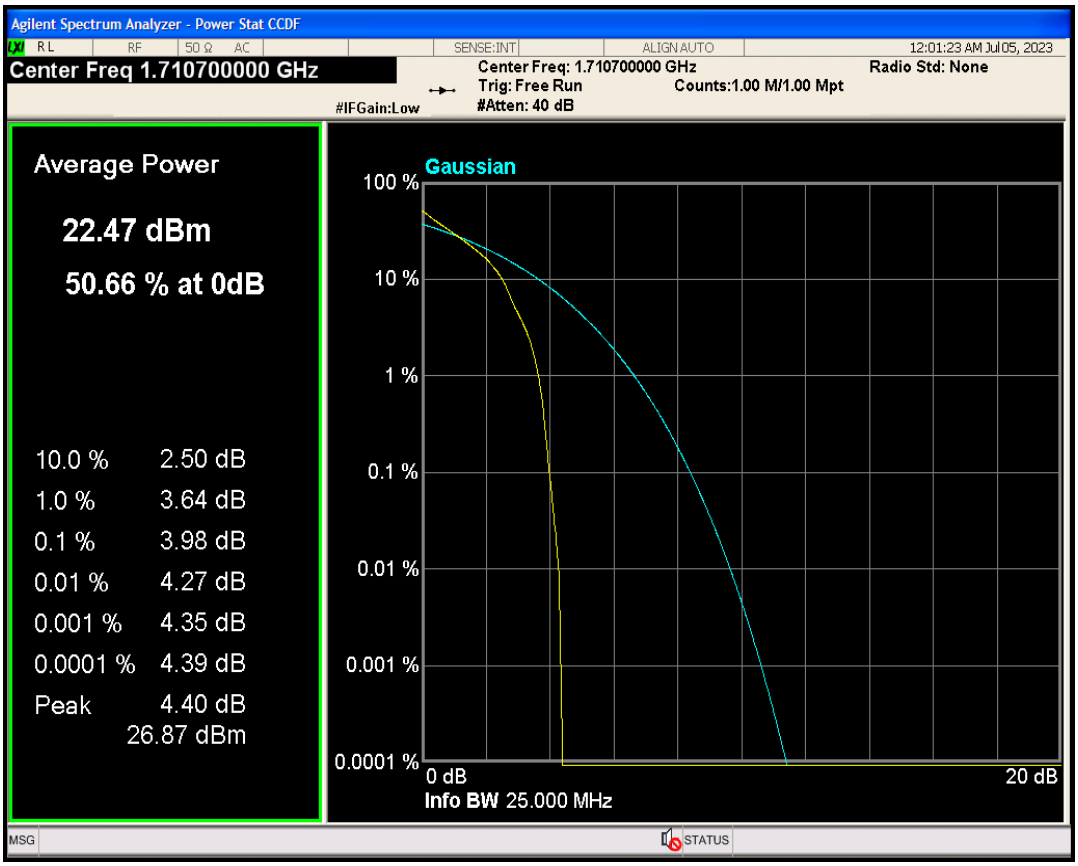
4									2			
Band 4	15	20325	75	#0	QPSK	NV	20	1.70	0.001	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	-30	-4.98	-0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	-20	0.49	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	0	0.64	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	10	0.01	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QAM16	NV	20	-1.26	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-30	-3.18	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-20	-3.29	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	-5.82	-0.003	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	-3.95	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	-0.41	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	-30	-2.78	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	-20	-2.42	-0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	0	-0.64	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	10	-2.65	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QAM16	NV	20	-1.07	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-3.38	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	-1.16	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	0	-1.43	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	-2.80	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	-3.56	-0.002	-2.5	2.5	PASS

Band 4	20	20175	100	#0	QAM16	NV	-30	-6.02	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	-20	-4.06	-0.002	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	0	-5.34	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	10	-5.02	-0.003	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QAM16	NV	20	-4.98	-0.003	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	-3.68	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	-2.33	-0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	0.93	0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	10	-0.59	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	-2.62	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	-30	-7.10	-0.004	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	-20	-4.25	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	0	-0.60	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	10	-1.06	-0.001	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QAM16	NV	20	-3.66	-0.002	-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	3.98	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.02	13	PASS
Band4	1.4	20175	1	#0	QPSK	2.82	13	PASS
Band4	1.4	20175	1	#0	16QAM	3.85	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.23	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.32	13	PASS
Band4	3	19965	1	#0	QPSK	3.93	13	PASS
Band4	3	19965	1	#0	16QAM	4.86	13	PASS
Band4	3	20175	1	#0	QPSK	2.74	13	PASS
Band4	3	20175	1	#0	16QAM	3.84	13	PASS
Band4	3	20385	1	#0	QPSK	3.43	13	PASS
Band4	3	20385	1	#0	16QAM	4.49	13	PASS
Band4	5	19975	1	#0	QPSK	4.16	13	PASS
Band4	5	19975	1	#0	16QAM	4.81	13	PASS
Band4	5	20175	1	#0	QPSK	2.86	13	PASS
Band4	5	20175	1	#0	16QAM	3.82	13	PASS
Band4	5	20375	1	#0	QPSK	3.78	13	PASS
Band4	5	20375	1	#0	16QAM	4.56	13	PASS
Band4	10	20000	1	#0	QPSK	3.83	13	PASS
Band4	10	20000	1	#0	16QAM	4.78	13	PASS
Band4	10	20175	1	#0	QPSK	2.89	13	PASS
Band4	10	20175	1	#0	16QAM	3.85	13	PASS
Band4	10	20350	1	#0	QPSK	3.60	13	PASS
Band4	10	20350	1	#0	16QAM	4.58	13	PASS
Band4	15	20025	1	#0	QPSK	3.97	13	PASS
Band4	15	20025	1	#0	16QAM	4.99	13	PASS
Band4	15	20175	1	#0	QPSK	2.69	13	PASS
Band4	15	20175	1	#0	16QAM	3.68	13	PASS
Band4	15	20325	1	#0	QPSK	3.08	13	PASS
Band4	15	20325	1	#0	16QAM	3.97	13	PASS
Band4	20	20050	1	#0	QPSK	4.02	13	PASS
Band4	20	20050	1	#0	16QAM	5.02	13	PASS
Band4	20	20175	1	#0	QPSK	2.76	13	PASS
Band4	20	20175	1	#0	16QAM	3.84	13	PASS
Band4	20	20300	1	#0	QPSK	2.66	13	PASS
Band4	20	20300	1	#0	16QAM	3.65	13	PASS

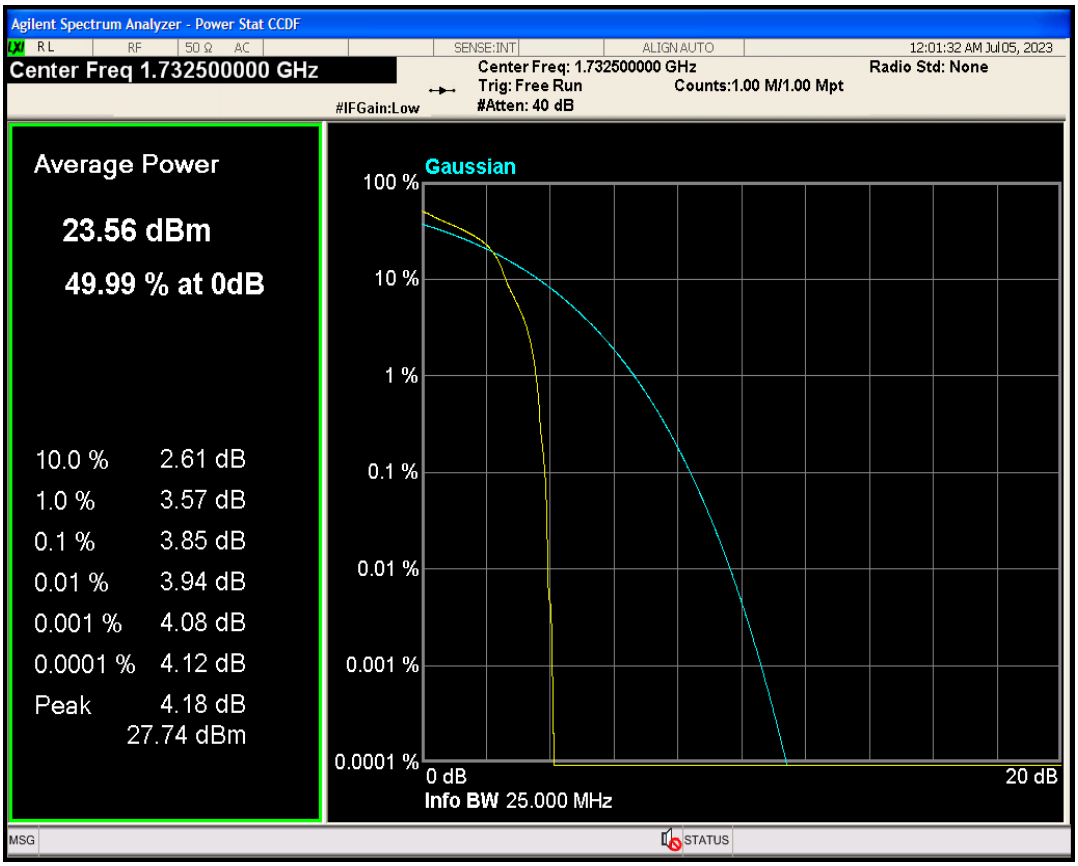
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



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

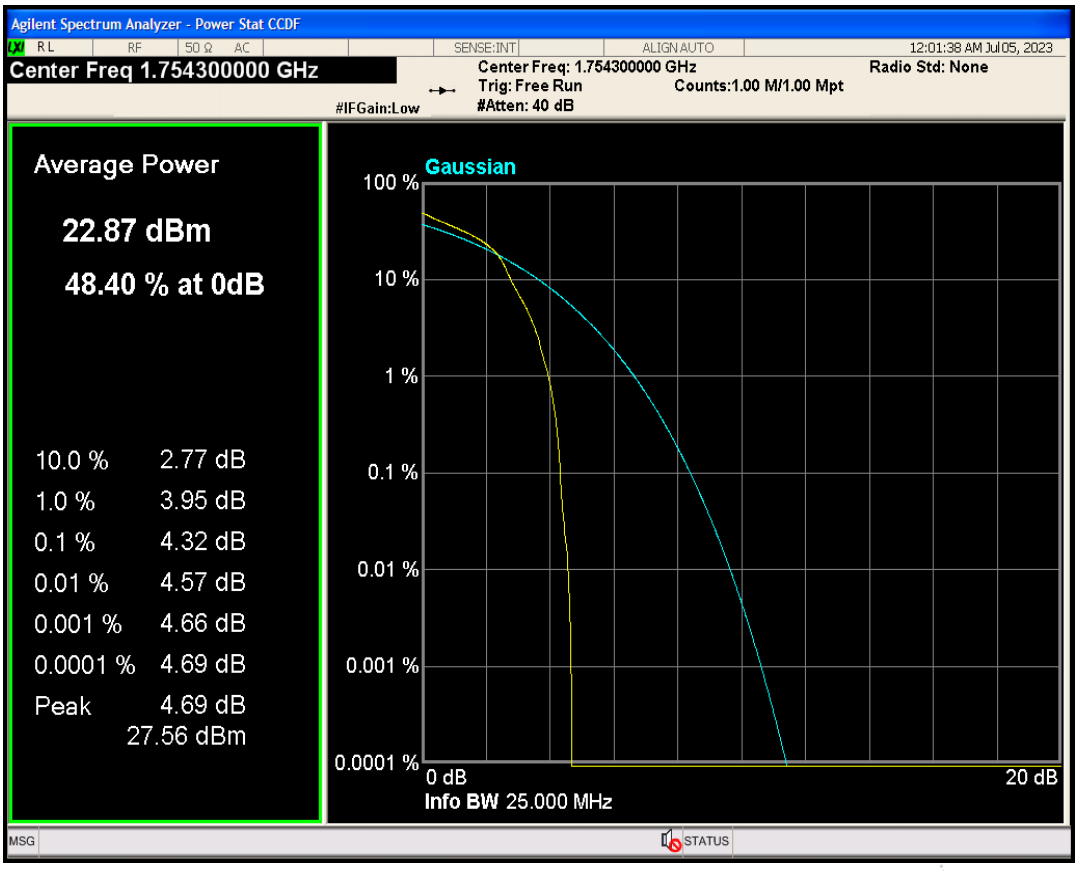
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

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

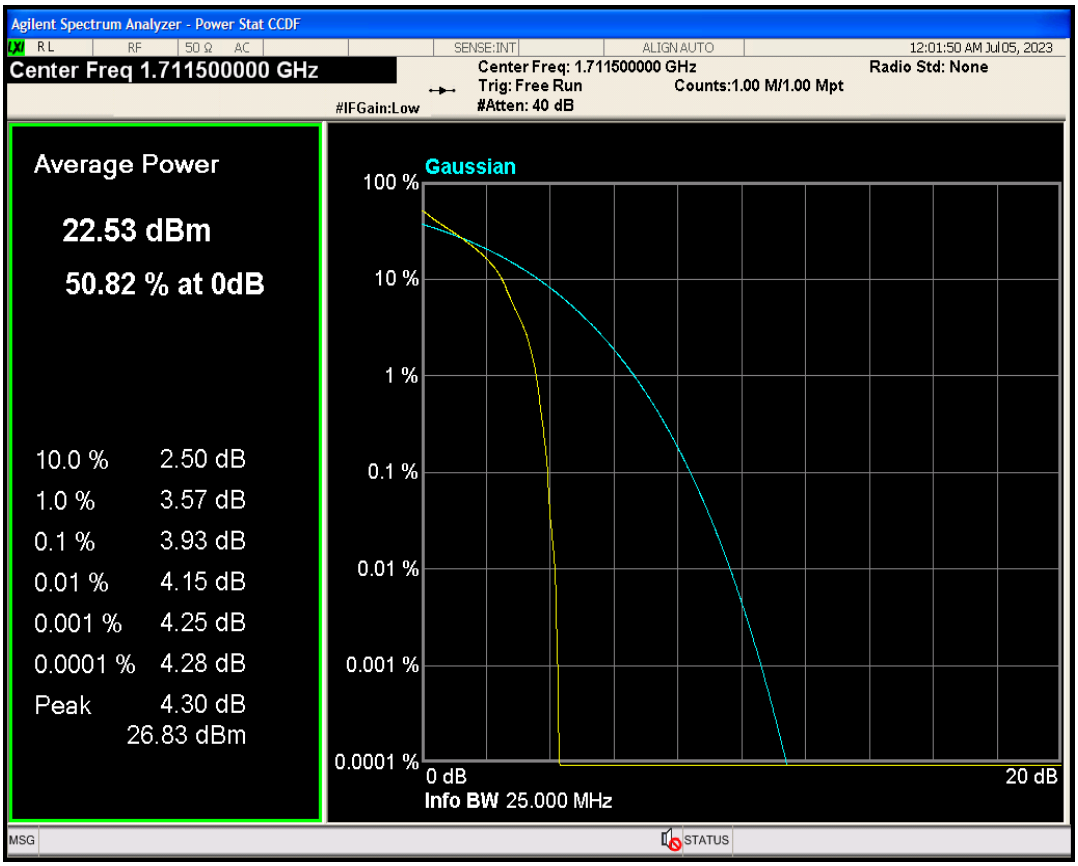


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

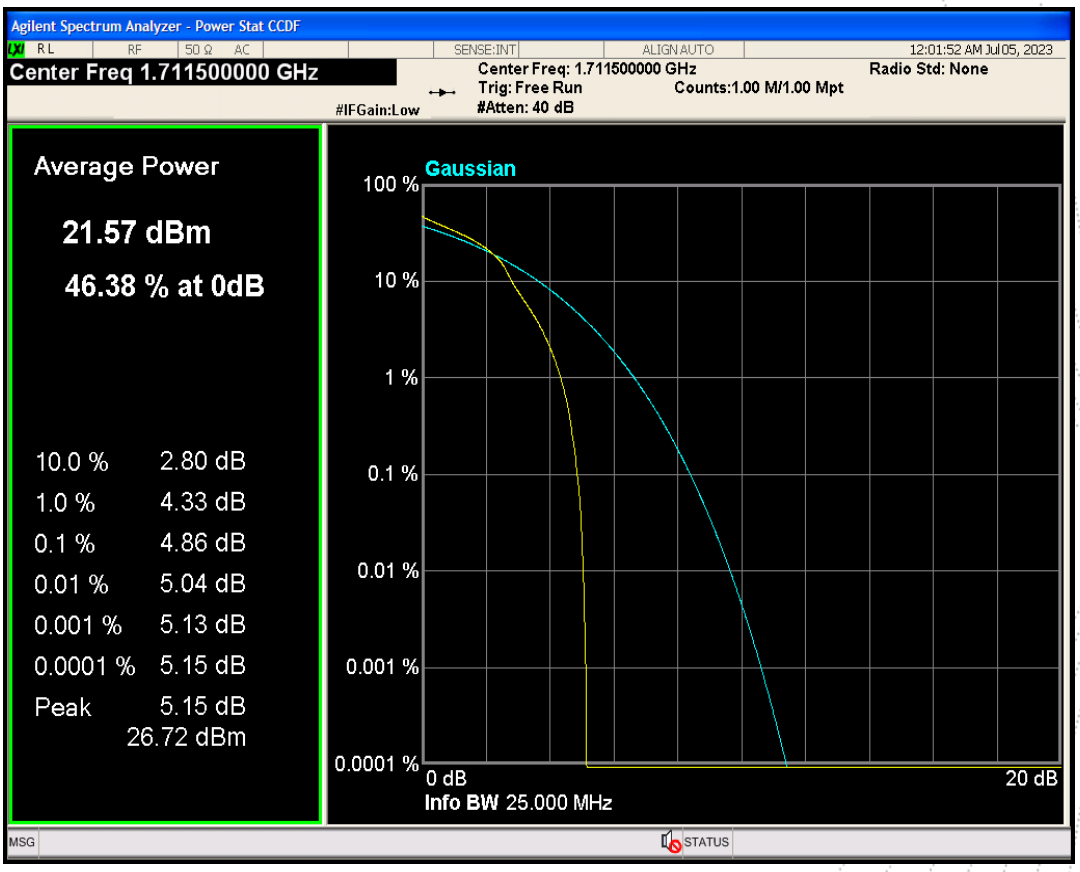
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



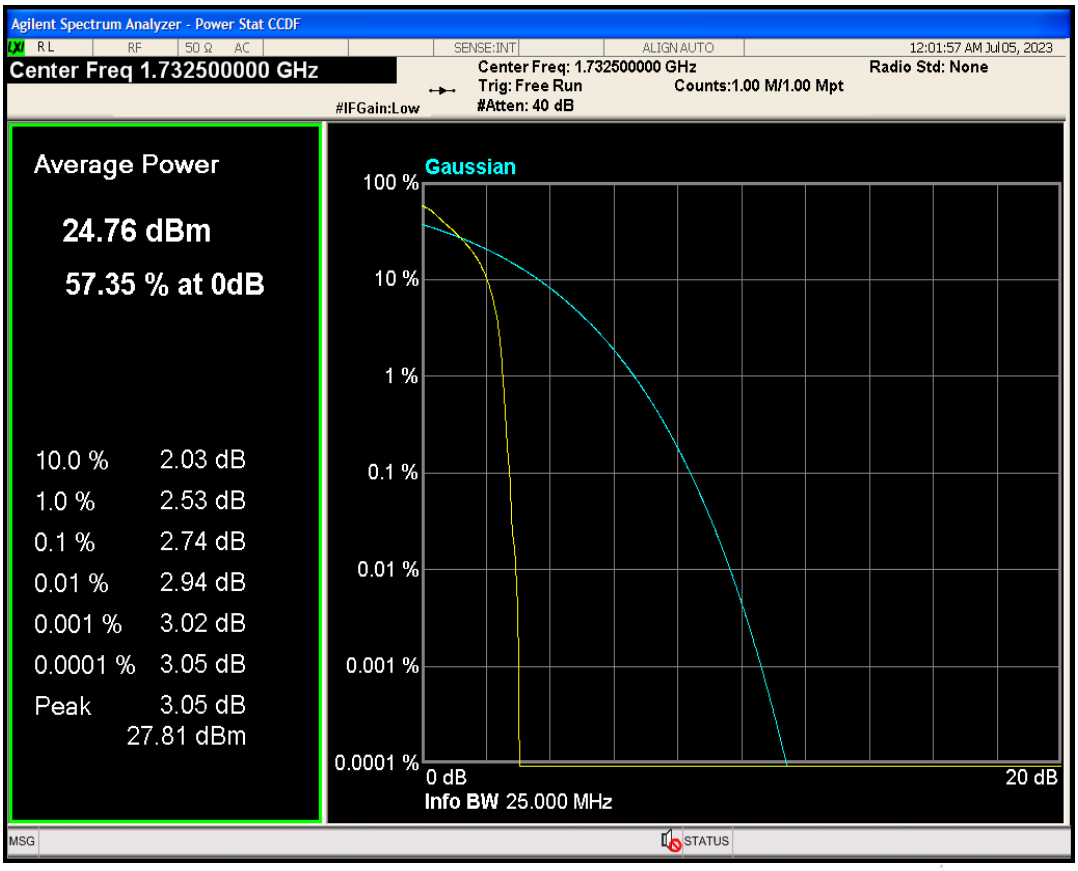
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



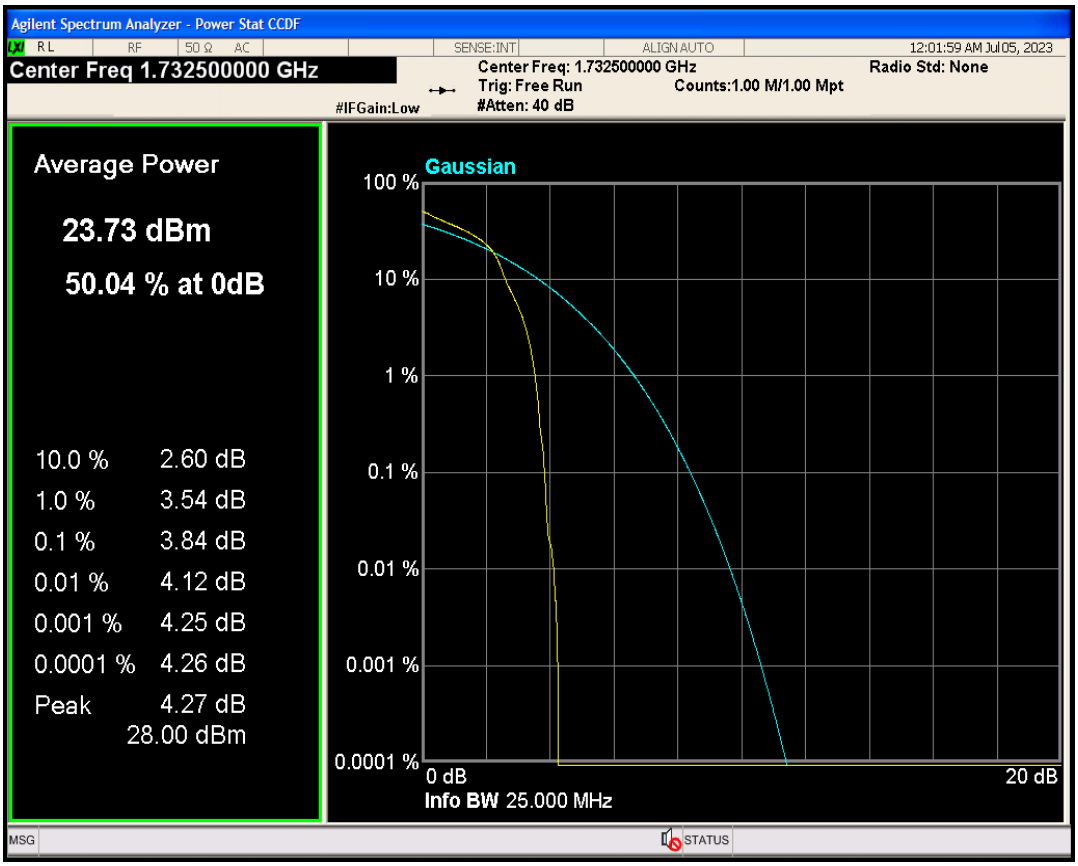
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



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

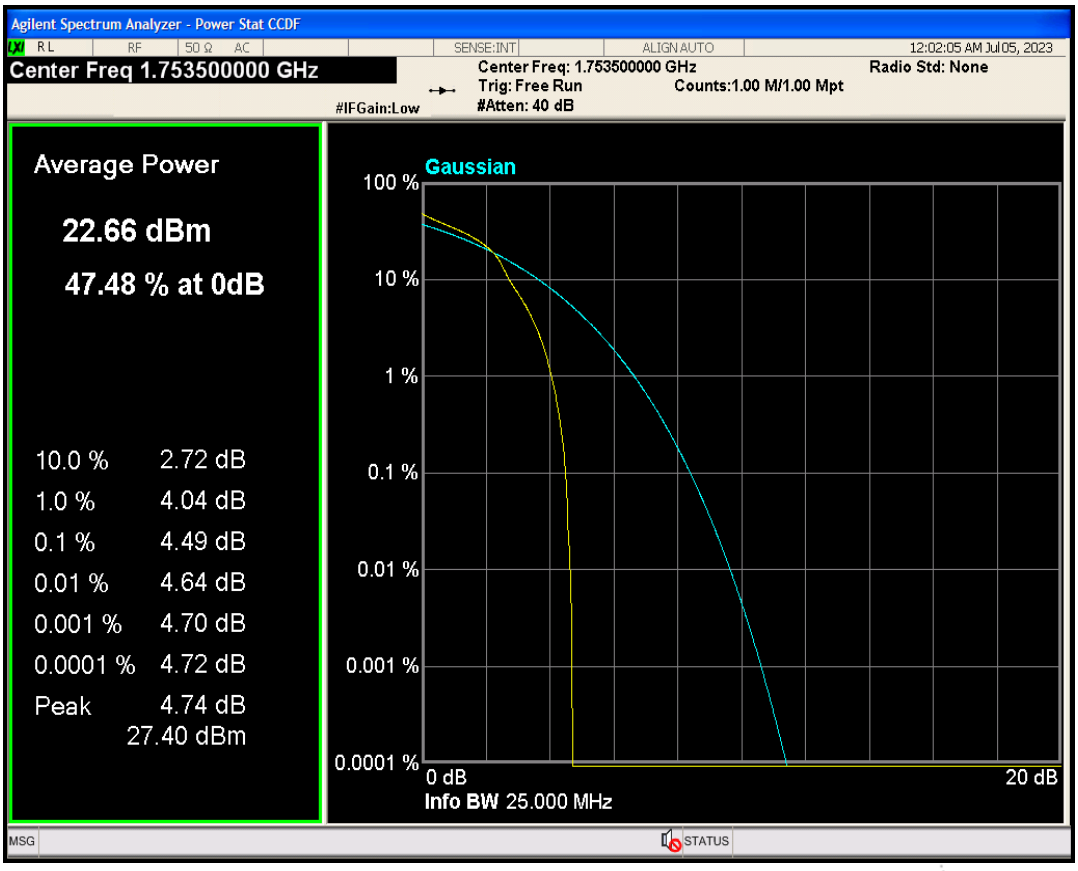


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0

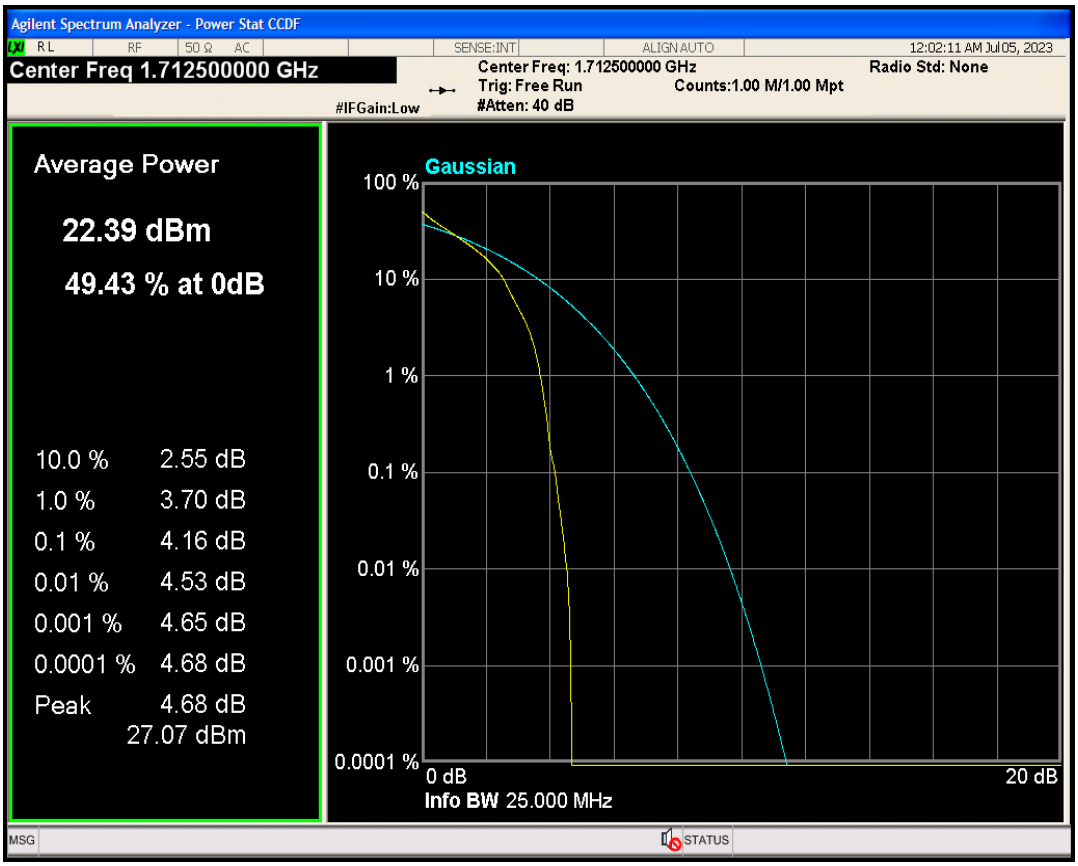


Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

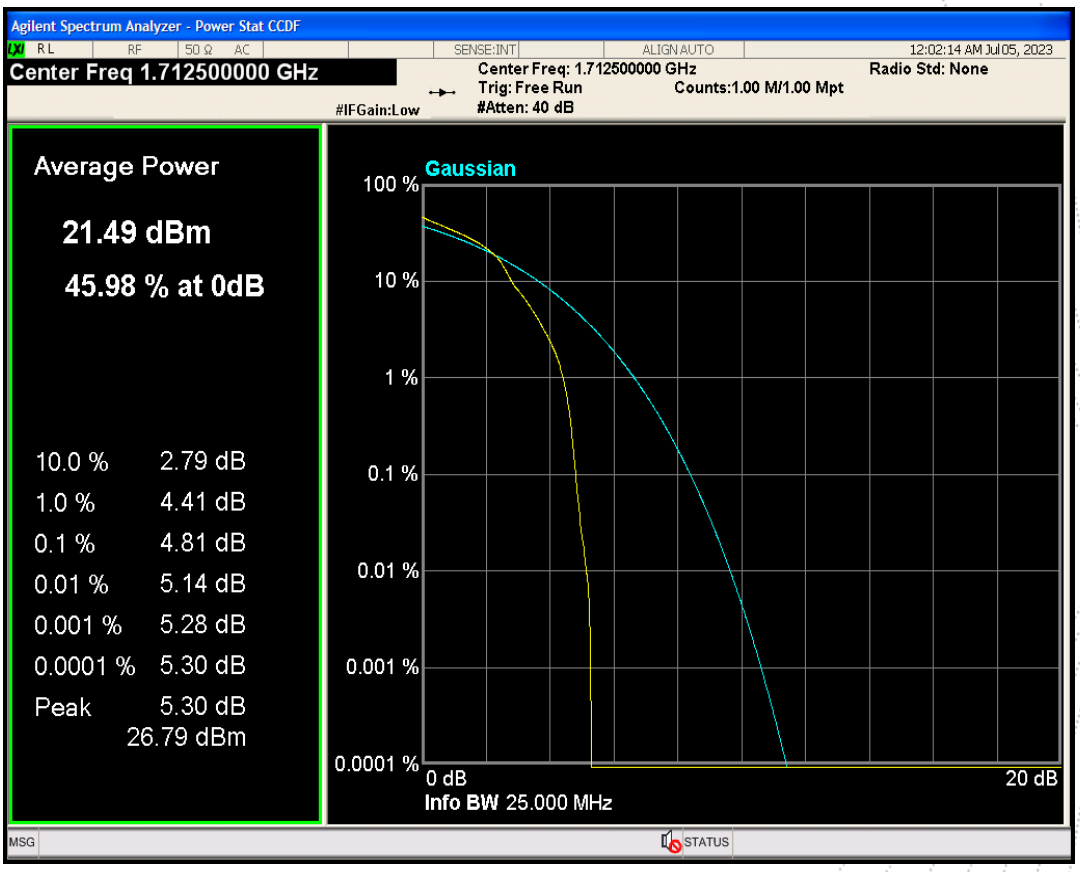
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



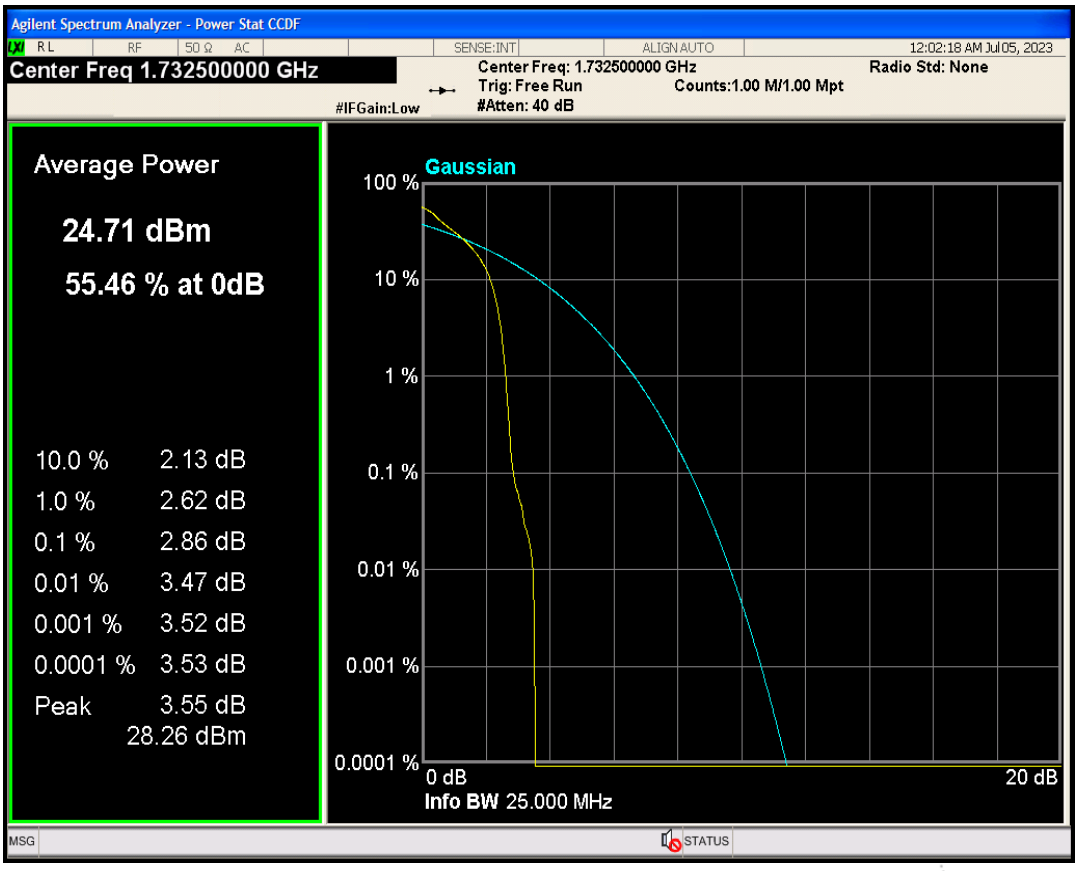
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



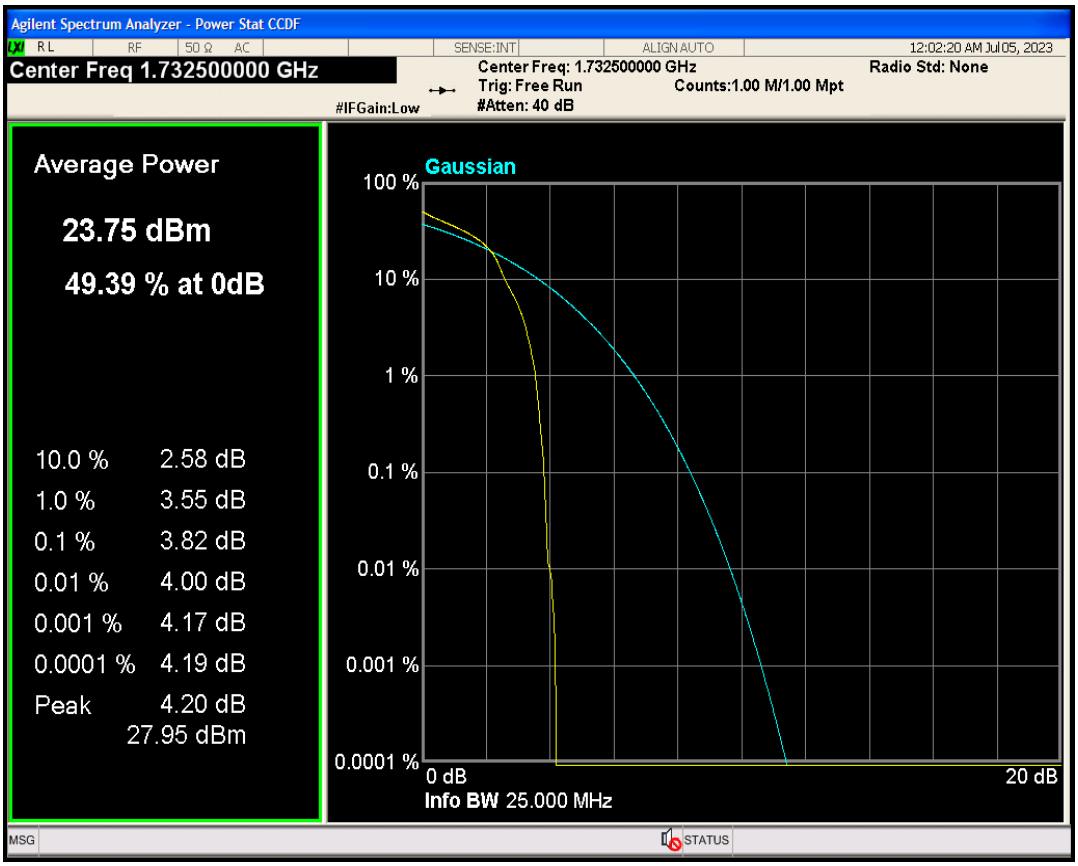
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



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

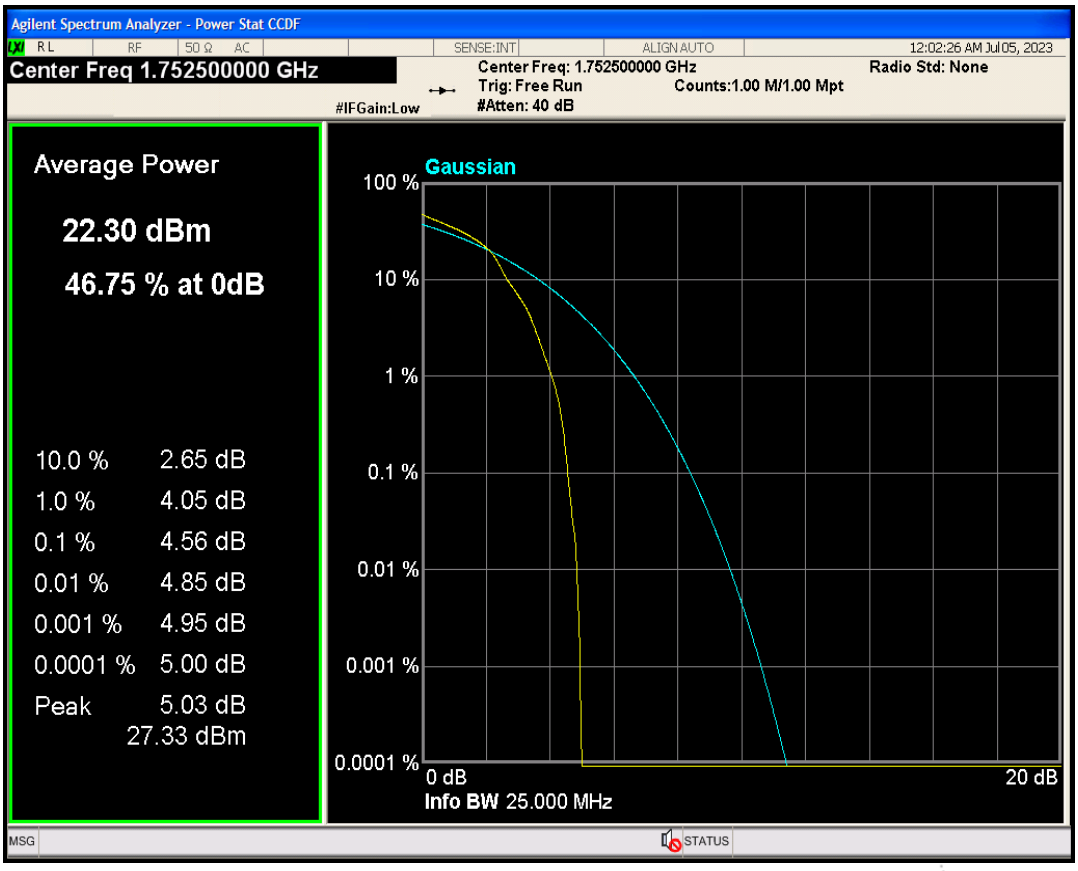


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

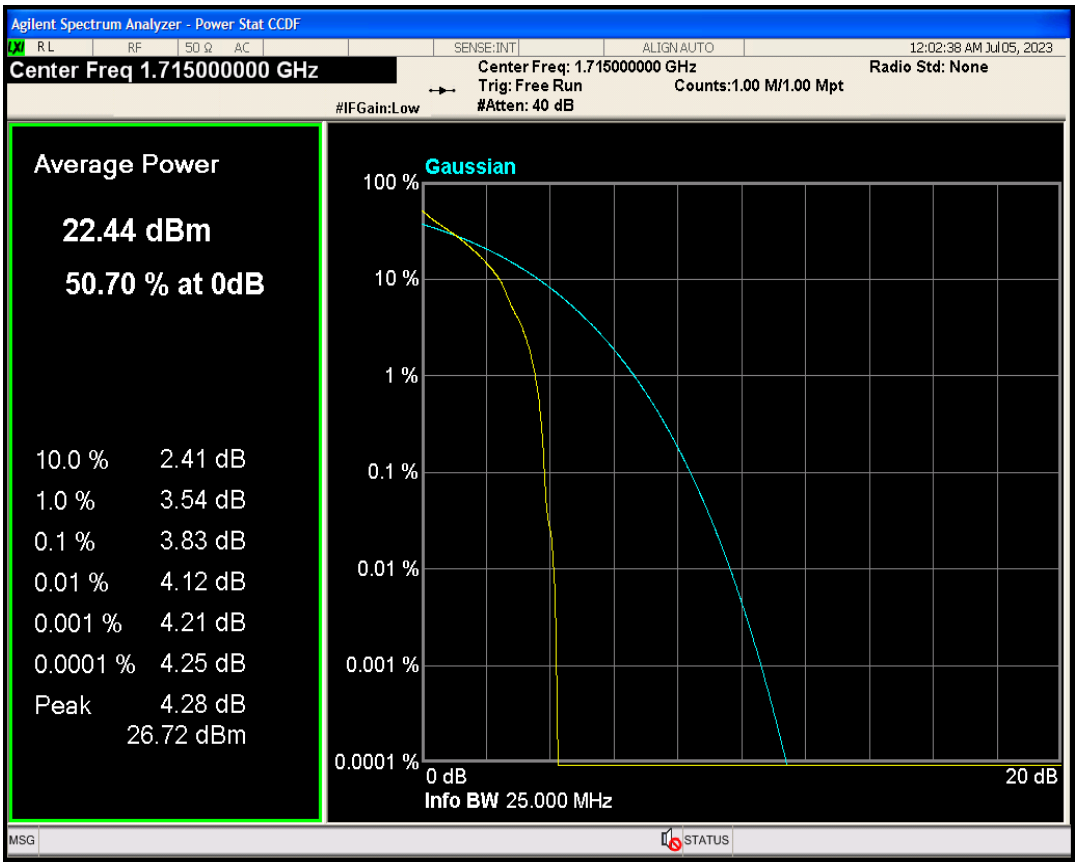


Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

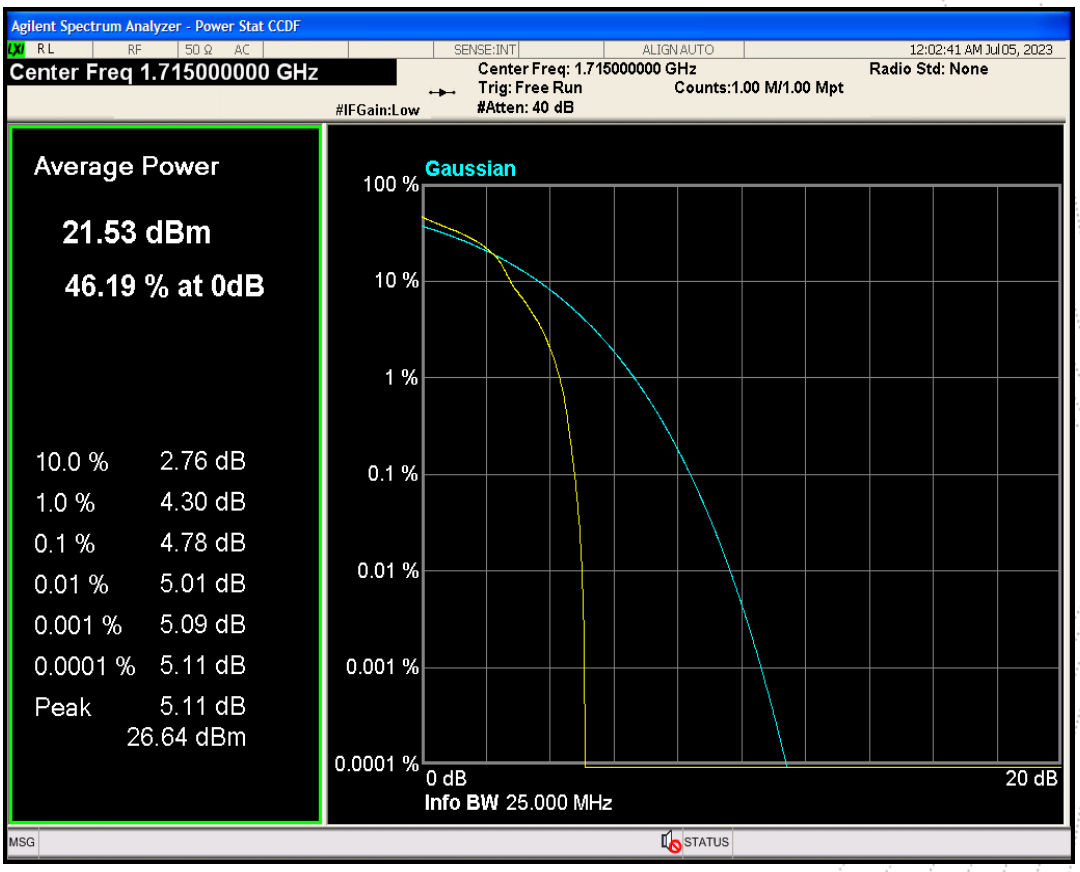
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



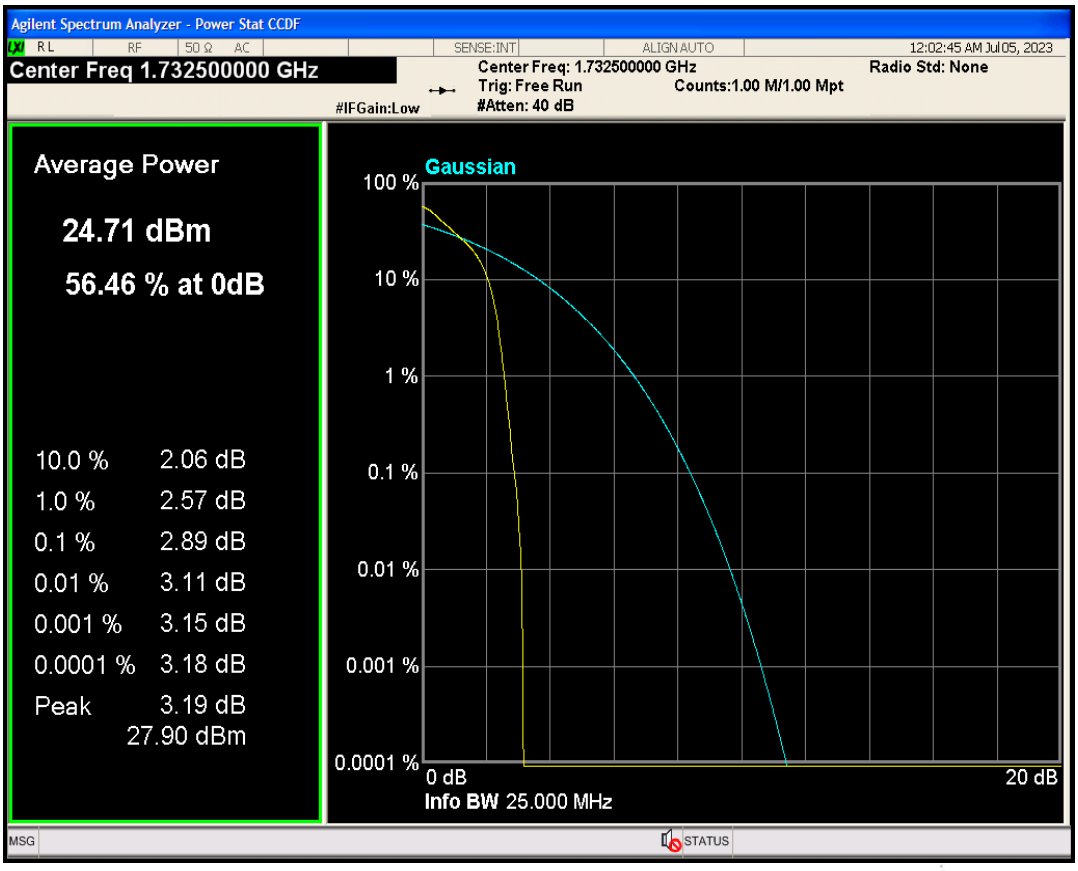
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



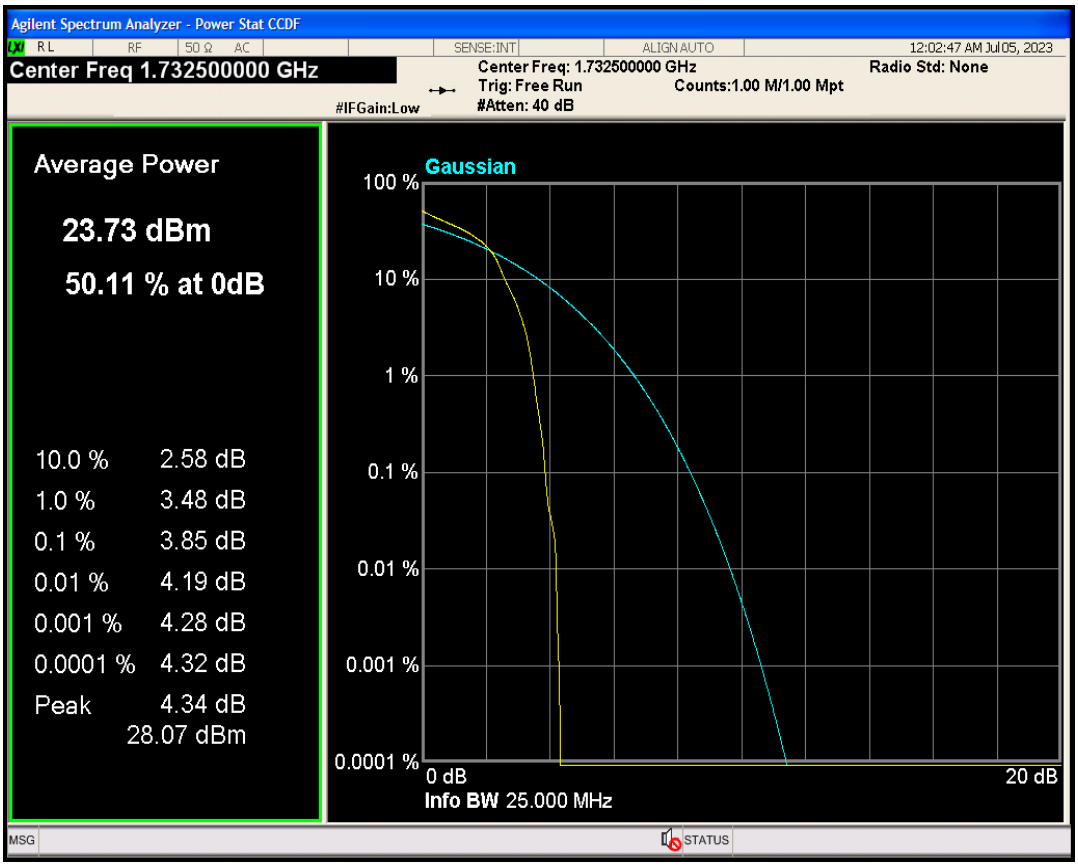
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



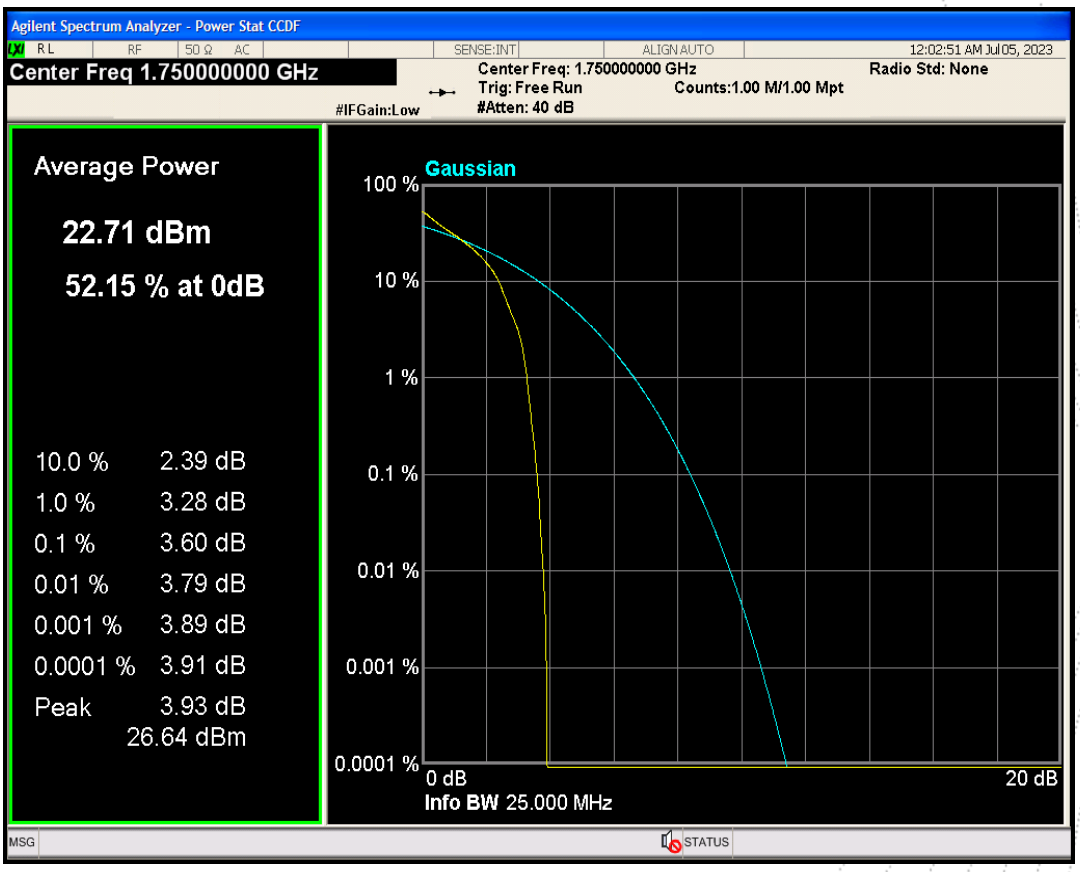
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



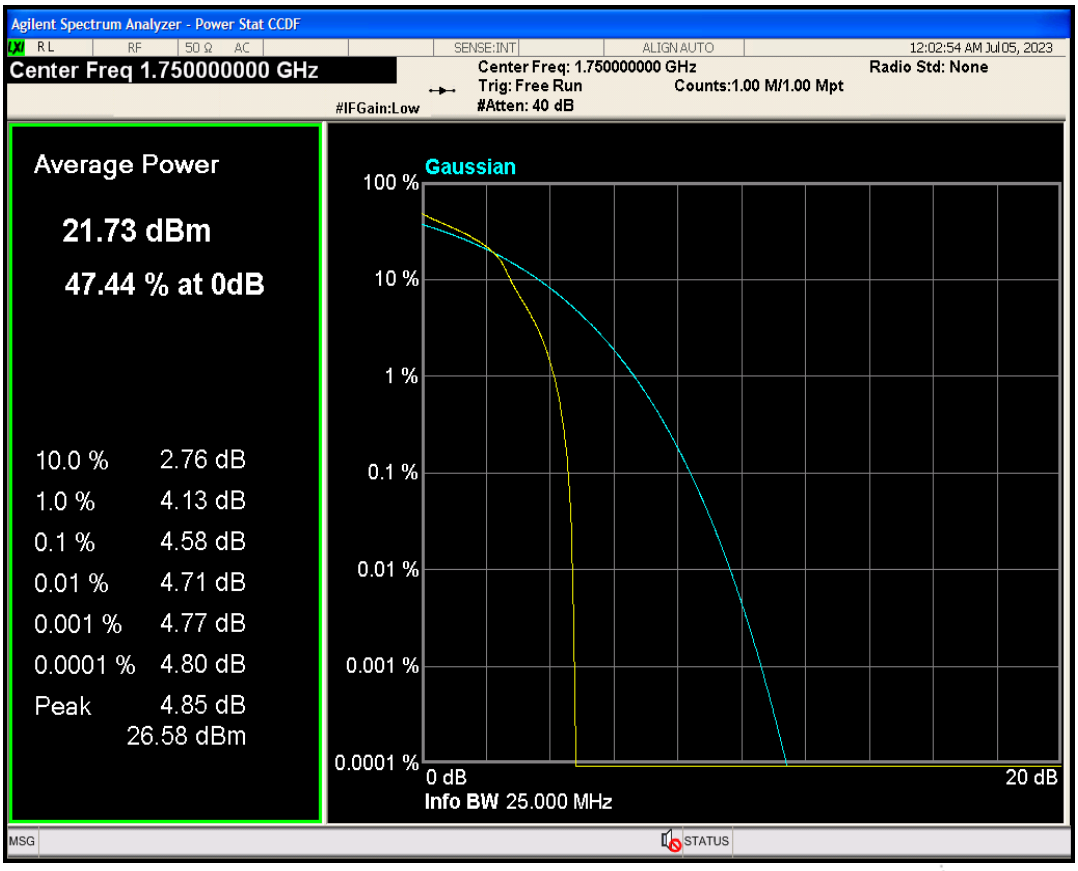
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



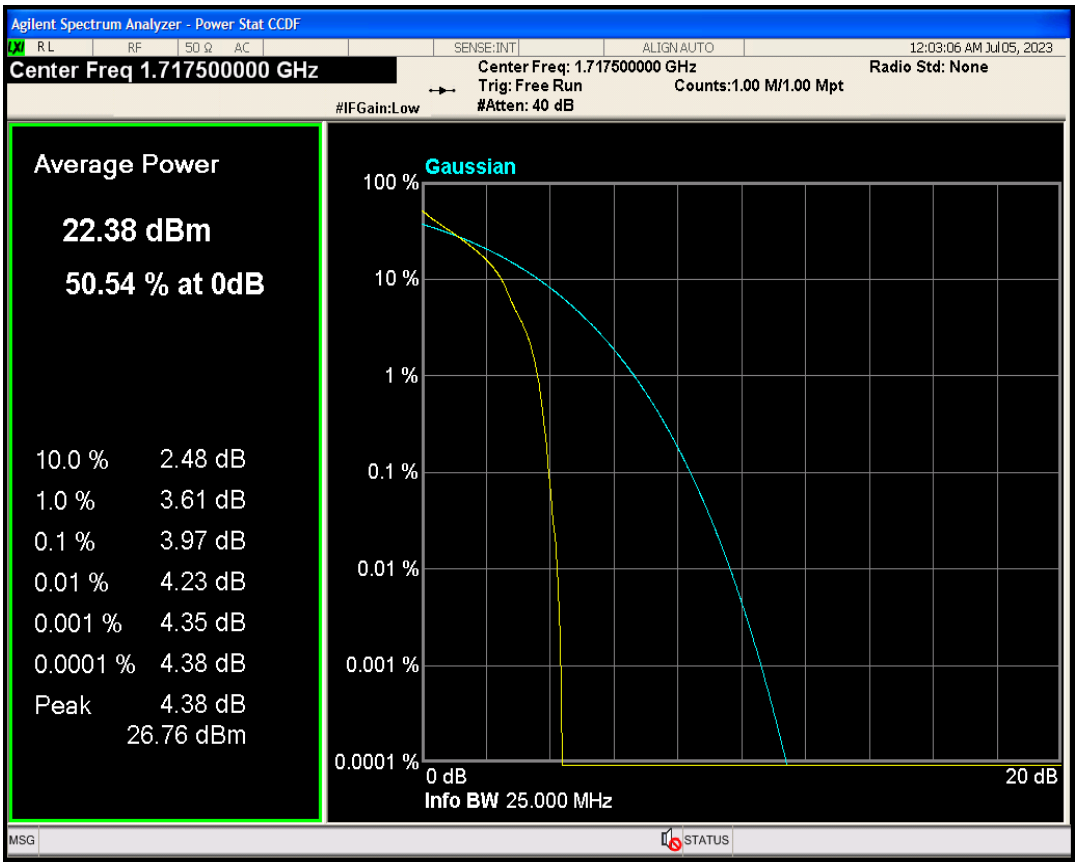
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



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



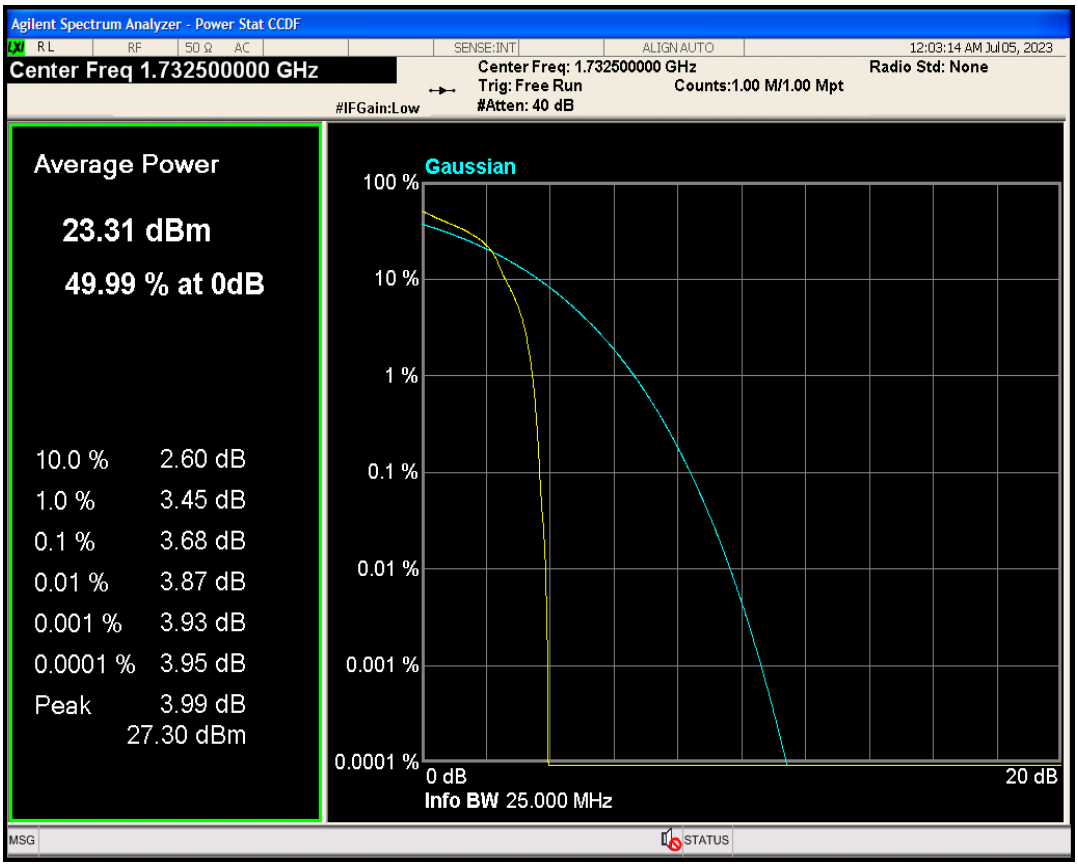
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



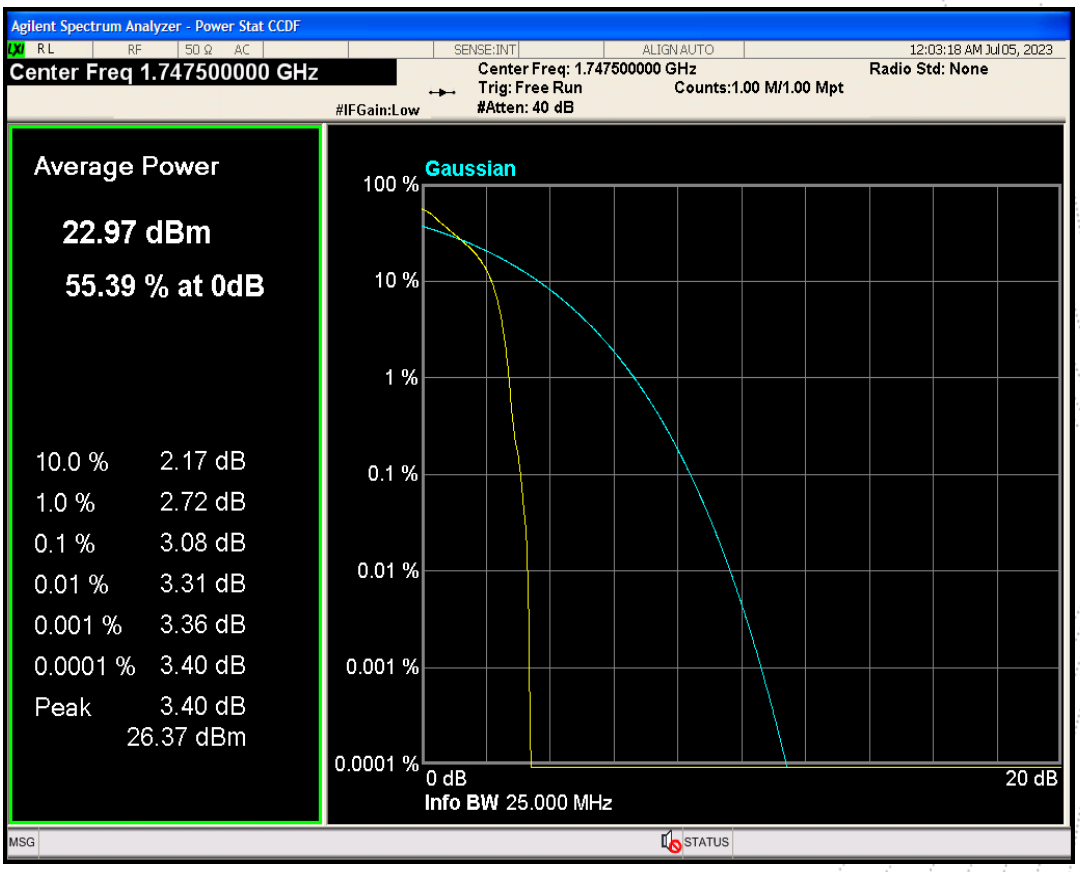
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

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

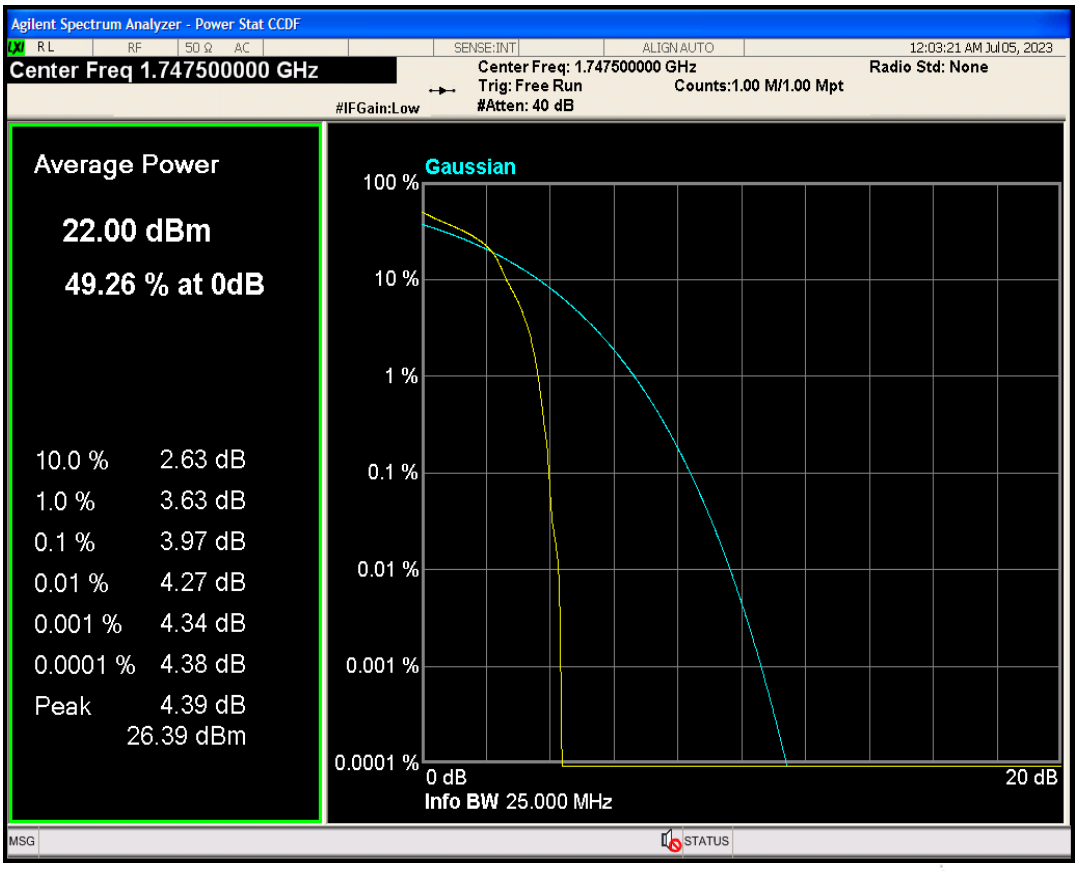
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



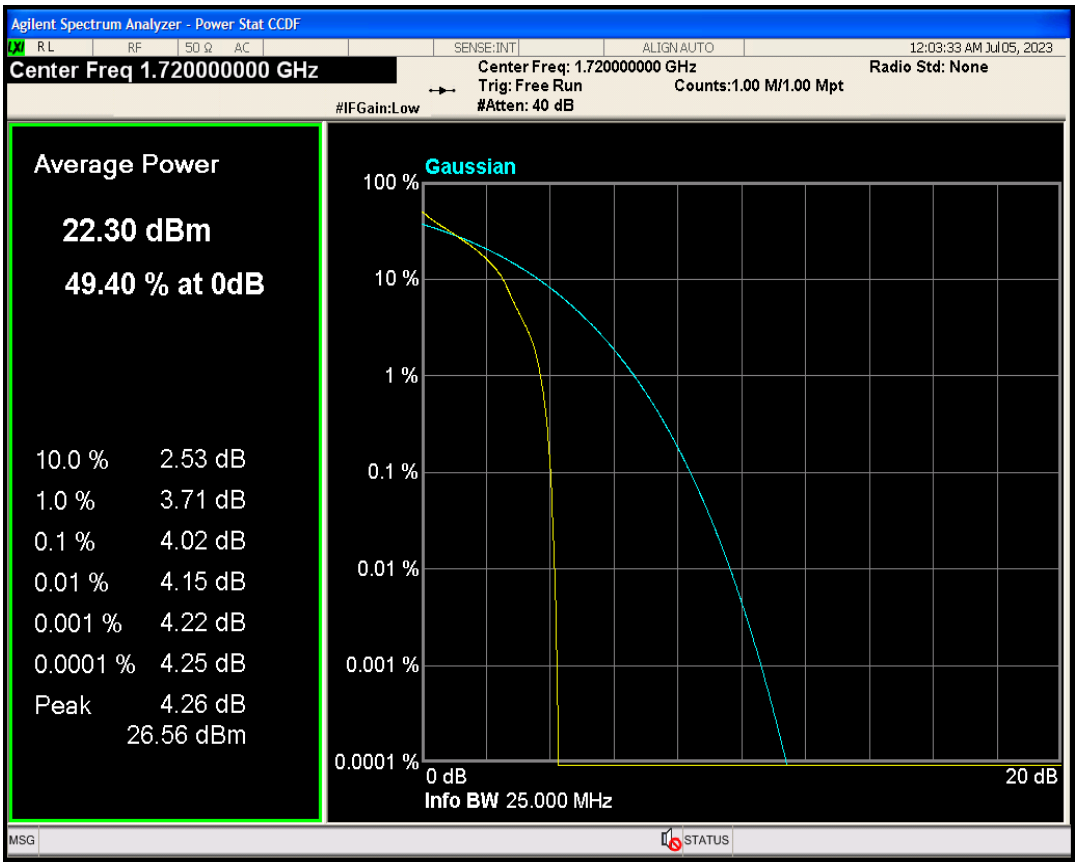
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



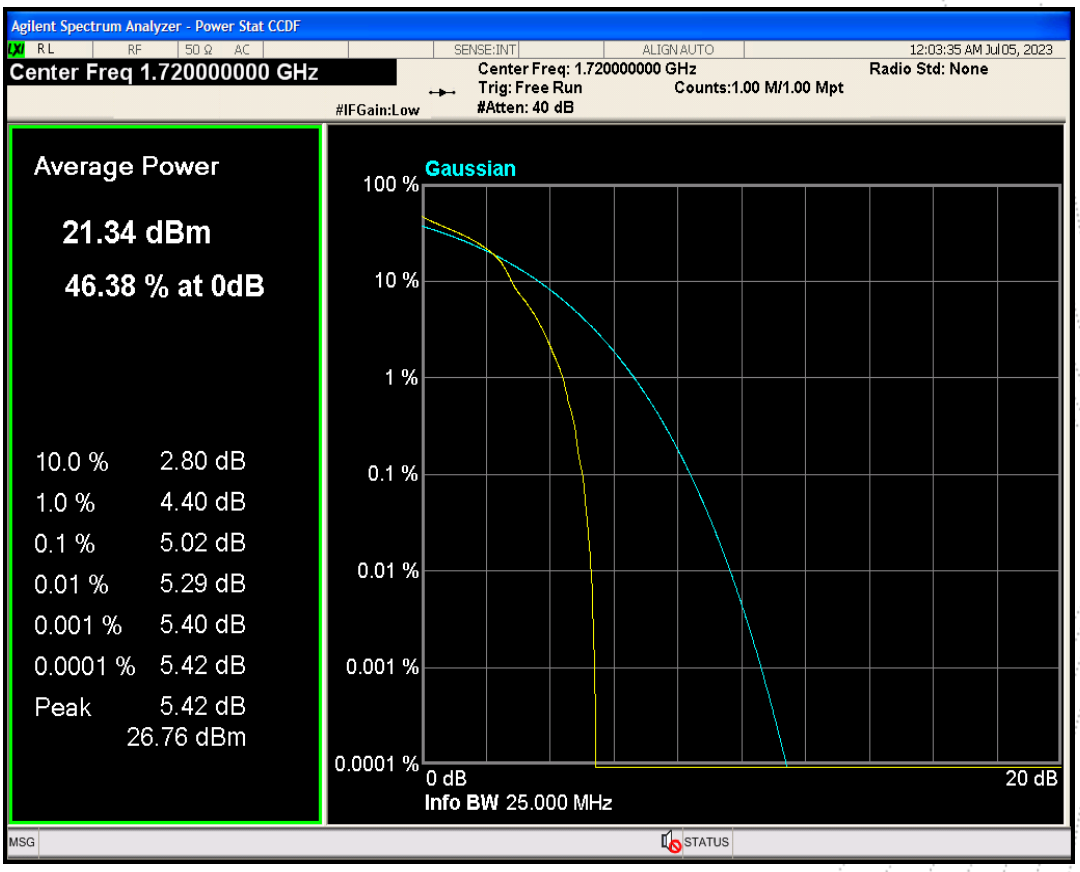
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



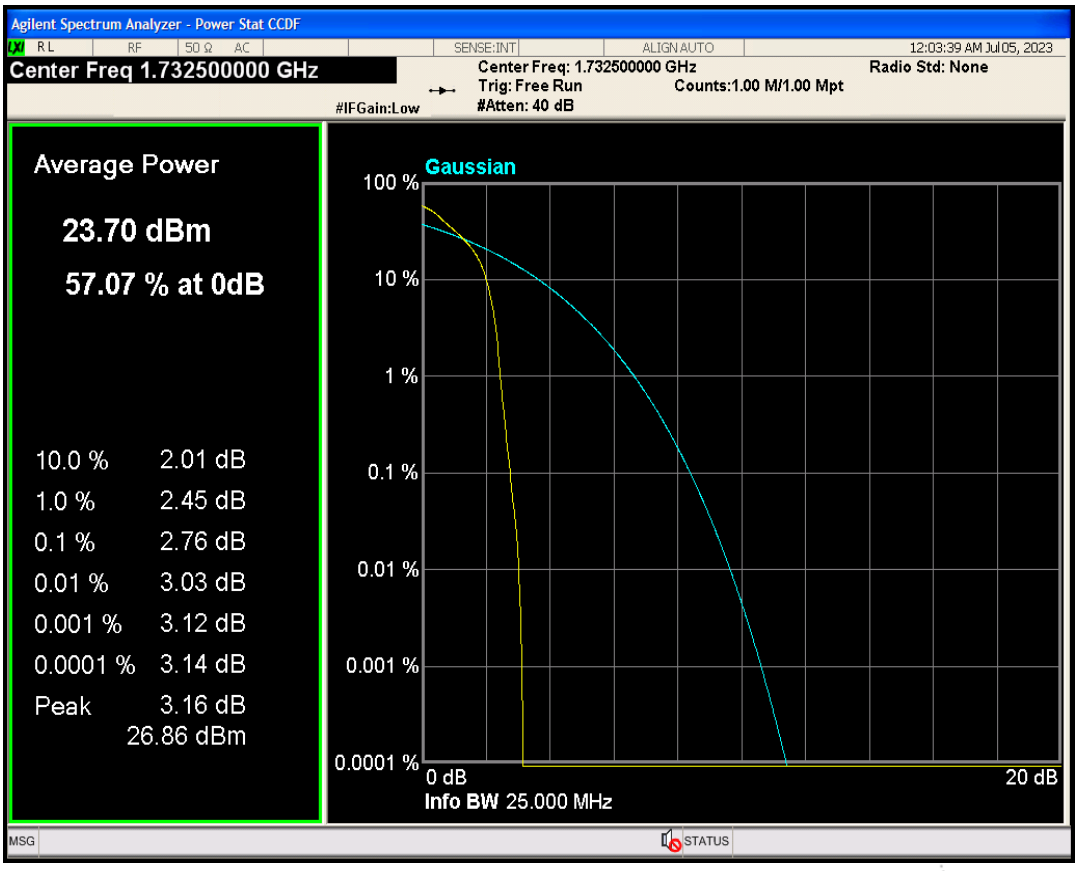
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



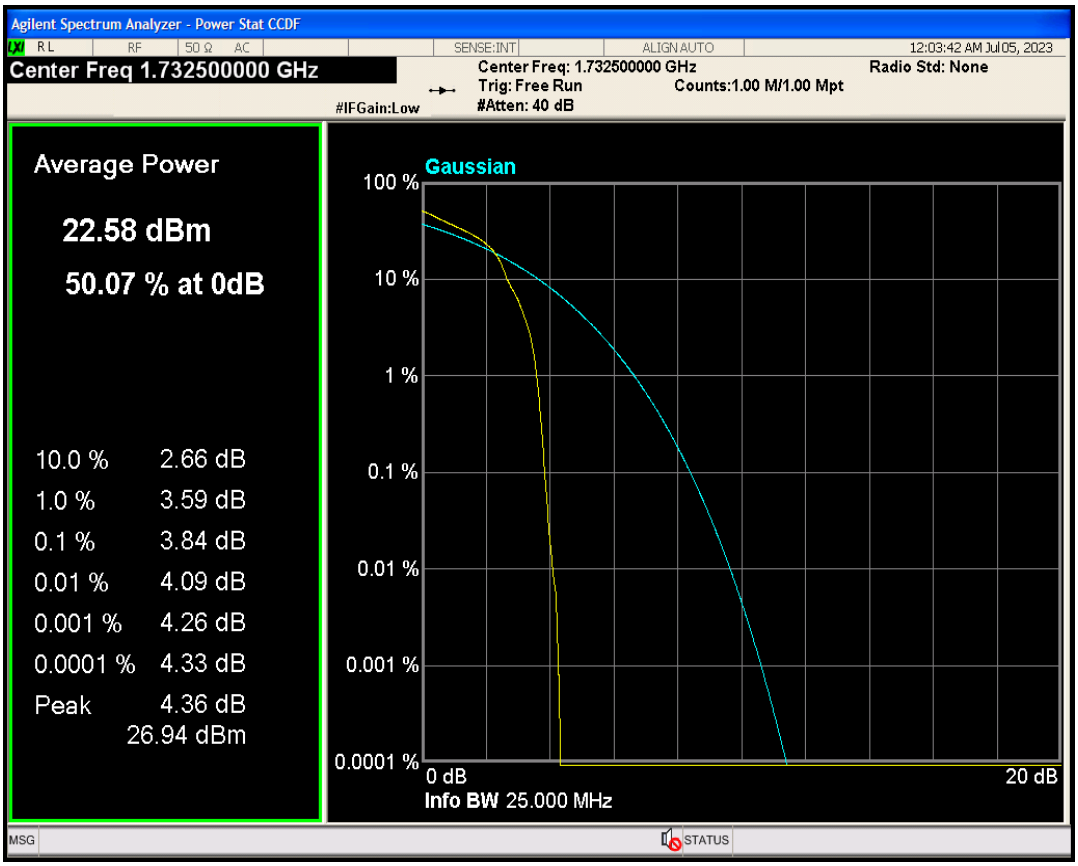
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



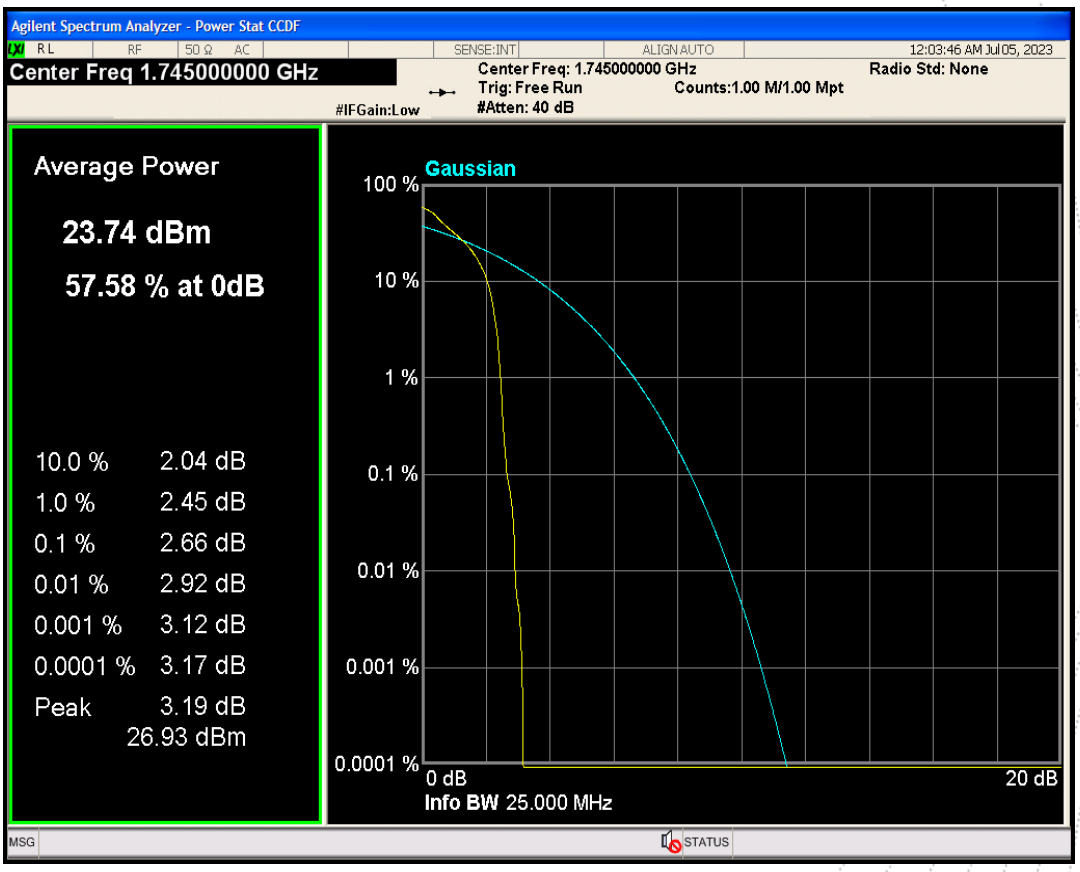
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



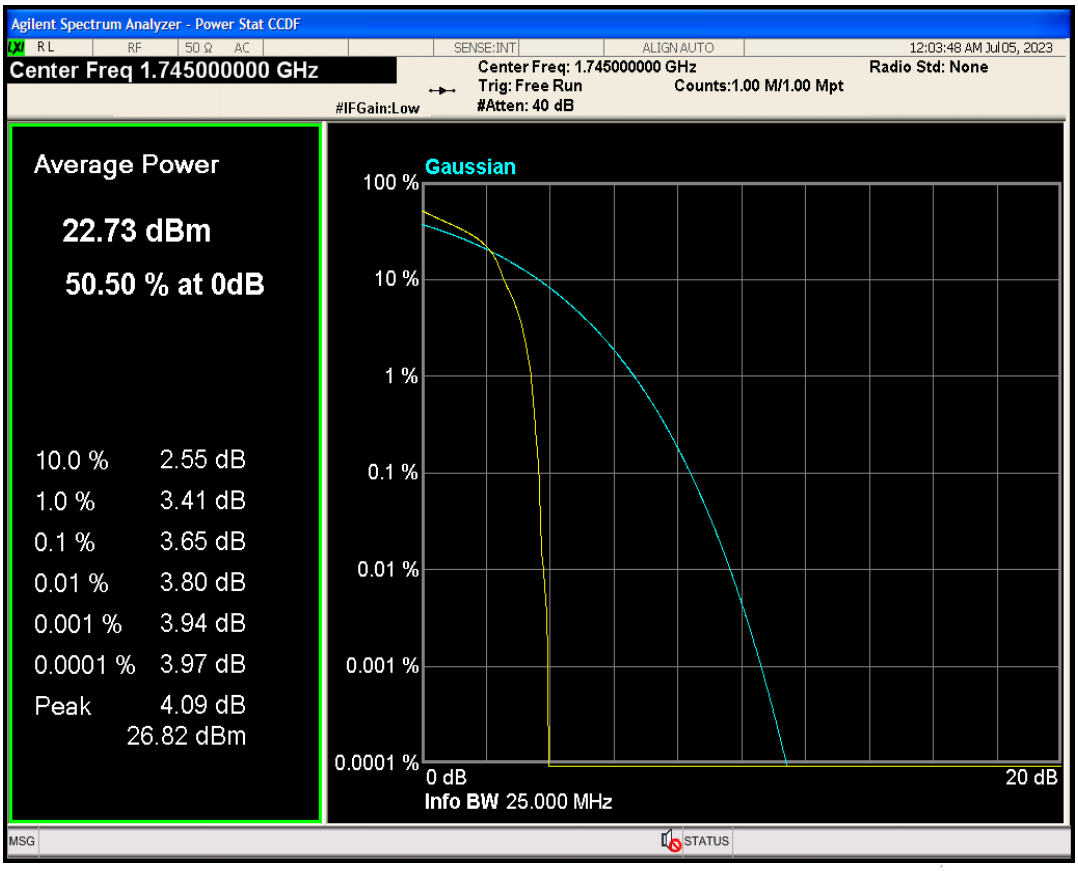
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



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



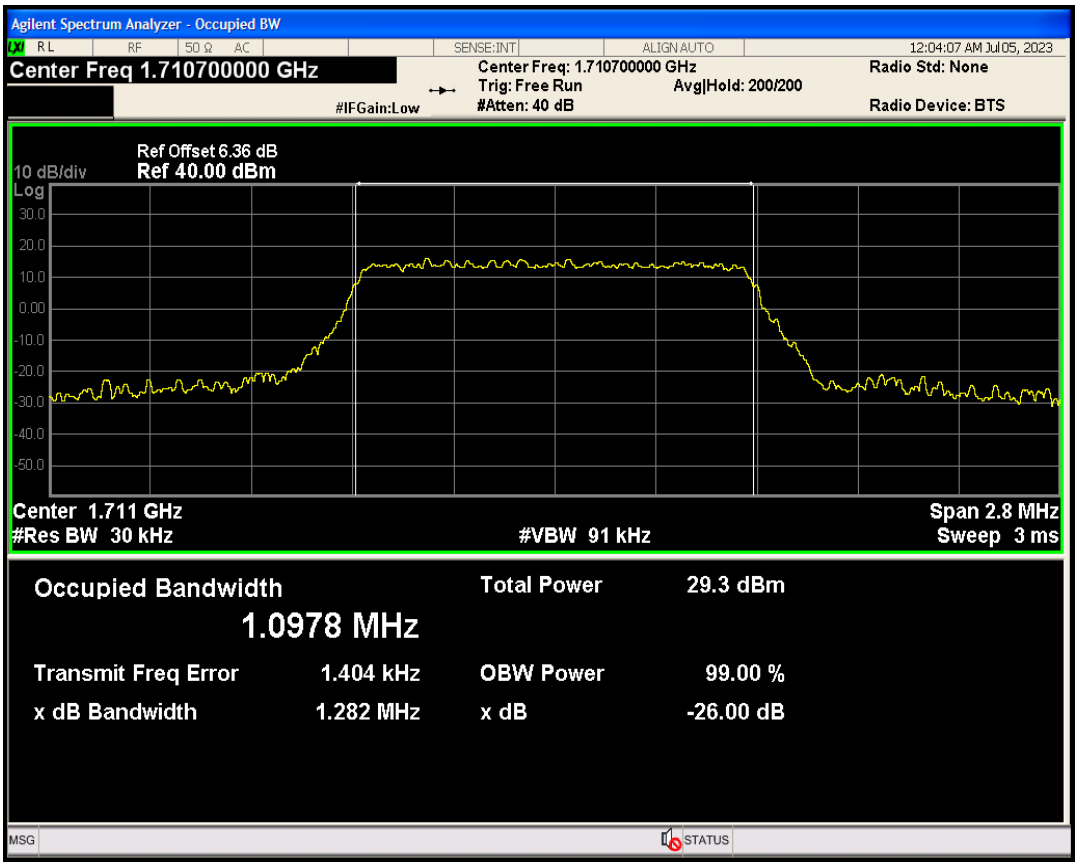
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



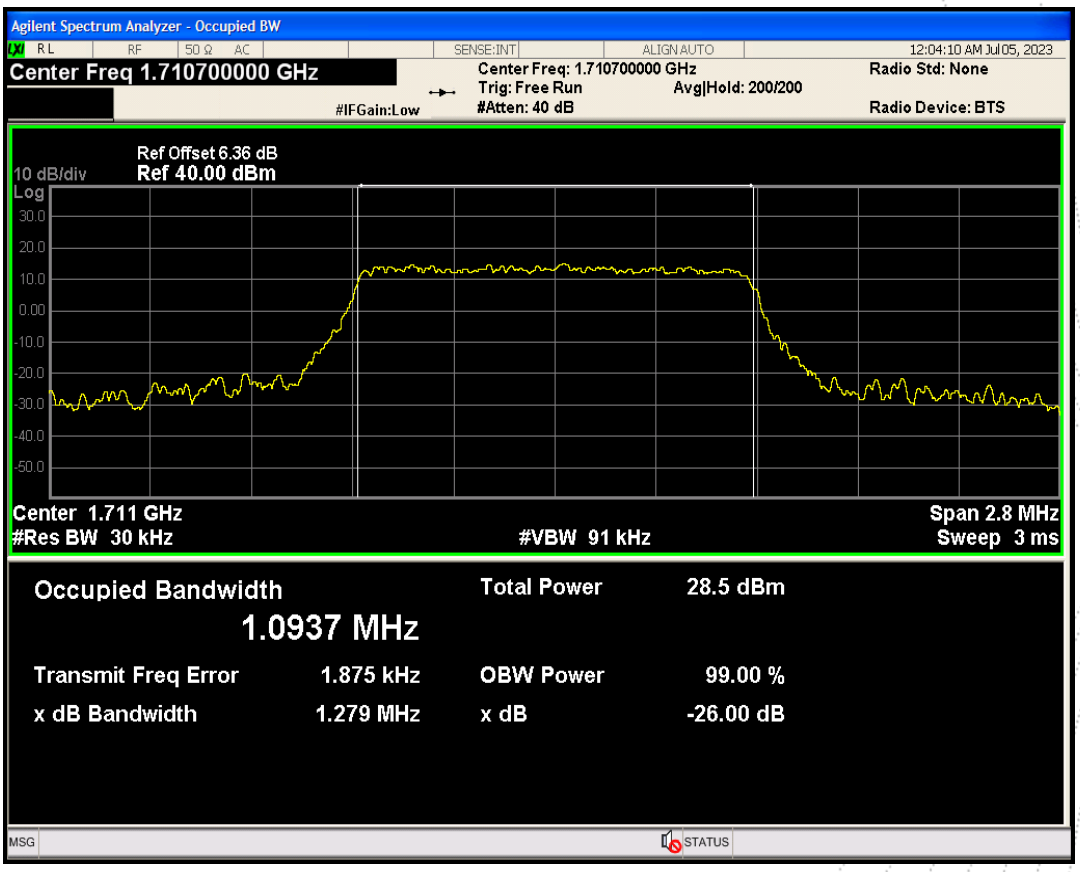
Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.098	1.282	PASS
Band4	1.4	19957	6	#0	16QAM	1.094	1.279	PASS
Band4	1.4	20175	6	#0	QPSK	1.102	1.308	PASS
Band4	1.4	20175	6	#0	16QAM	1.098	1.290	PASS
Band4	1.4	20393	6	#0	QPSK	1.097	1.290	PASS
Band4	1.4	20393	6	#0	16QAM	1.099	1.308	PASS
Band4	3	19965	15	#0	QPSK	2.681	2.911	PASS
Band4	3	19965	15	#0	16QAM	2.680	2.897	PASS
Band4	3	20175	15	#0	QPSK	2.704	2.921	PASS
Band4	3	20175	15	#0	16QAM	2.688	2.939	PASS
Band4	3	20385	15	#0	QPSK	2.692	2.919	PASS
Band4	3	20385	15	#0	16QAM	2.685	2.921	PASS
Band4	5	19975	25	#0	QPSK	4.521	5.158	PASS
Band4	5	19975	25	#0	16QAM	4.517	5.018	PASS
Band4	5	20175	25	#0	QPSK	4.532	5.118	PASS
Band4	5	20175	25	#0	16QAM	4.530	5.182	PASS
Band4	5	20375	25	#0	QPSK	4.520	5.164	PASS
Band4	5	20375	25	#0	16QAM	4.552	5.107	PASS
Band4	10	20000	50	#0	QPSK	9.005	10.032	PASS
Band4	10	20000	50	#0	16QAM	9.009	10.072	PASS
Band4	10	20175	50	#0	QPSK	9.002	10.047	PASS
Band4	10	20175	50	#0	16QAM	8.999	9.950	PASS
Band4	10	20350	50	#0	QPSK	8.987	9.936	PASS
Band4	10	20350	50	#0	16QAM	9.020	10.000	PASS
Band4	15	20025	75	#0	QPSK	13.502	15.112	PASS
Band4	15	20025	75	#0	16QAM	13.493	14.889	PASS
Band4	15	20175	75	#0	QPSK	13.499	14.786	PASS
Band4	15	20175	75	#0	16QAM	13.473	14.887	PASS
Band4	15	20325	75	#0	QPSK	13.533	14.903	PASS
Band4	15	20325	75	#0	16QAM	13.523	15.123	PASS
Band4	20	20050	100	#0	QPSK	18.042	19.669	PASS
Band4	20	20050	100	#0	16QAM	17.976	19.535	PASS
Band4	20	20175	100	#0	QPSK	17.955	19.639	PASS
Band4	20	20175	100	#0	16QAM	17.952	19.418	PASS
Band4	20	20300	100	#0	QPSK	18.024	19.516	PASS
Band4	20	20300	100	#0	16QAM	17.995	19.853	PASS

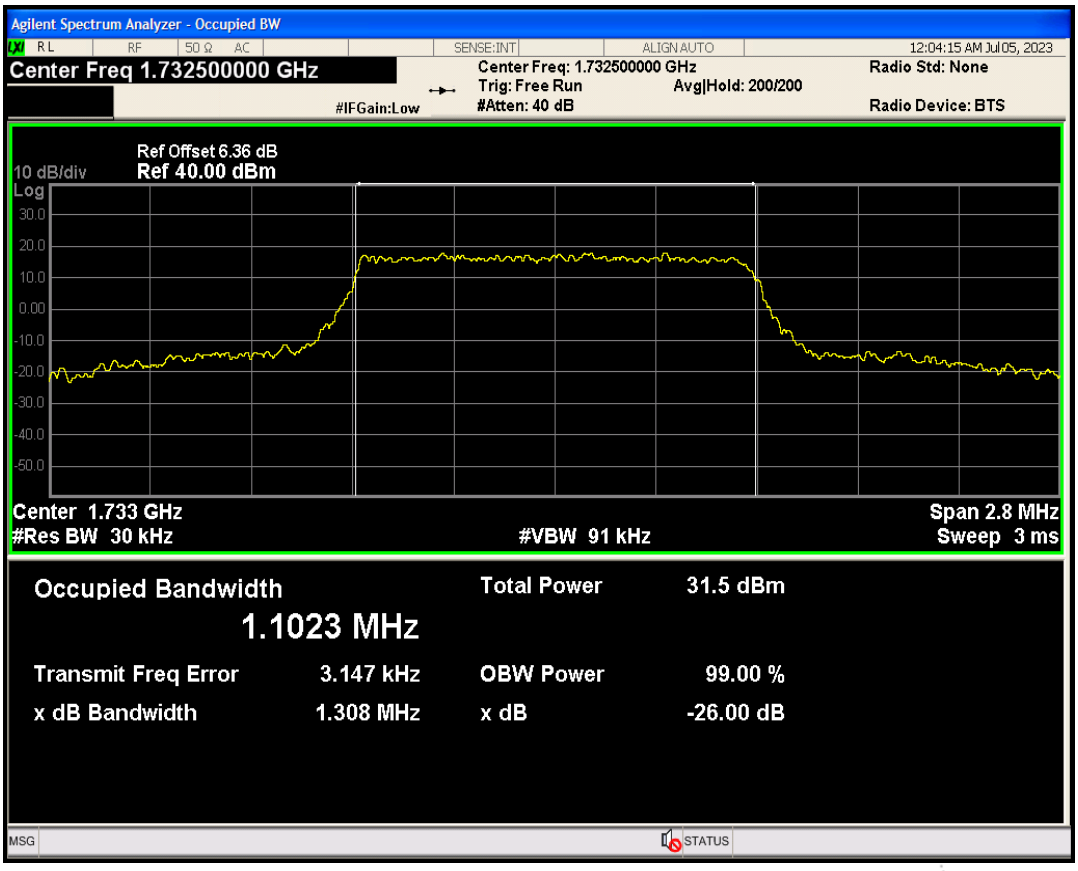
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



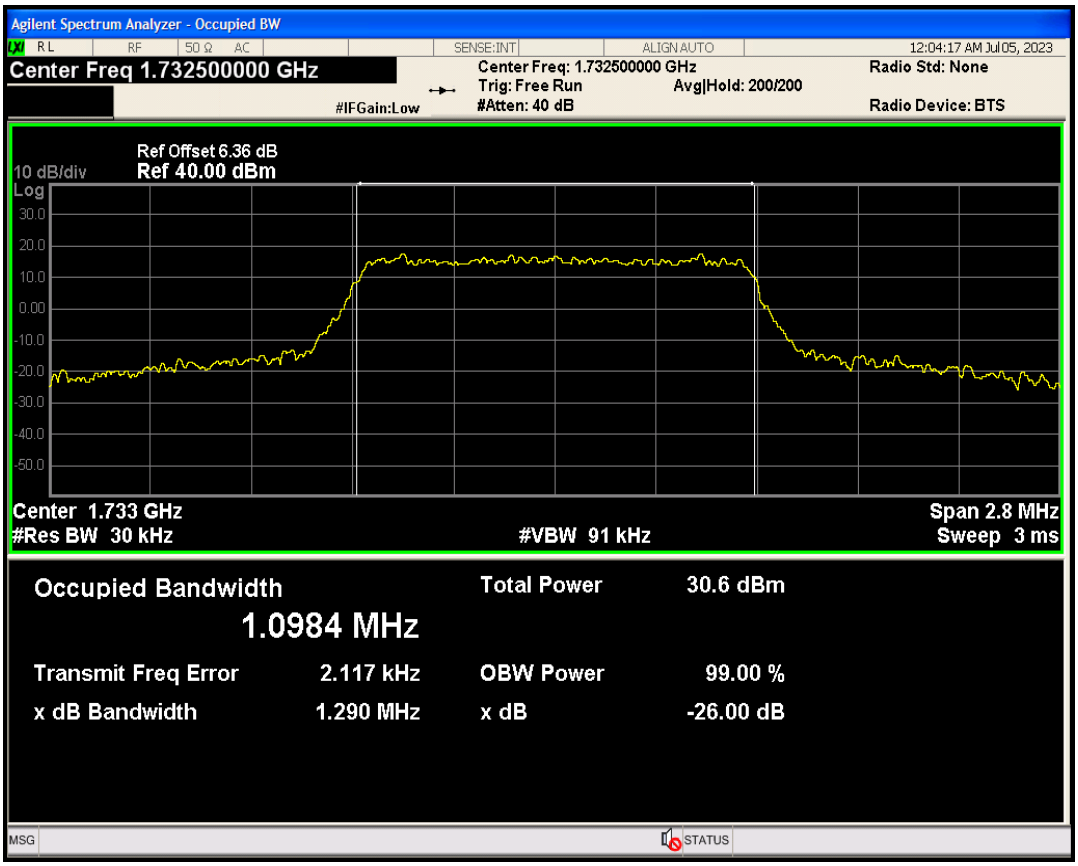
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



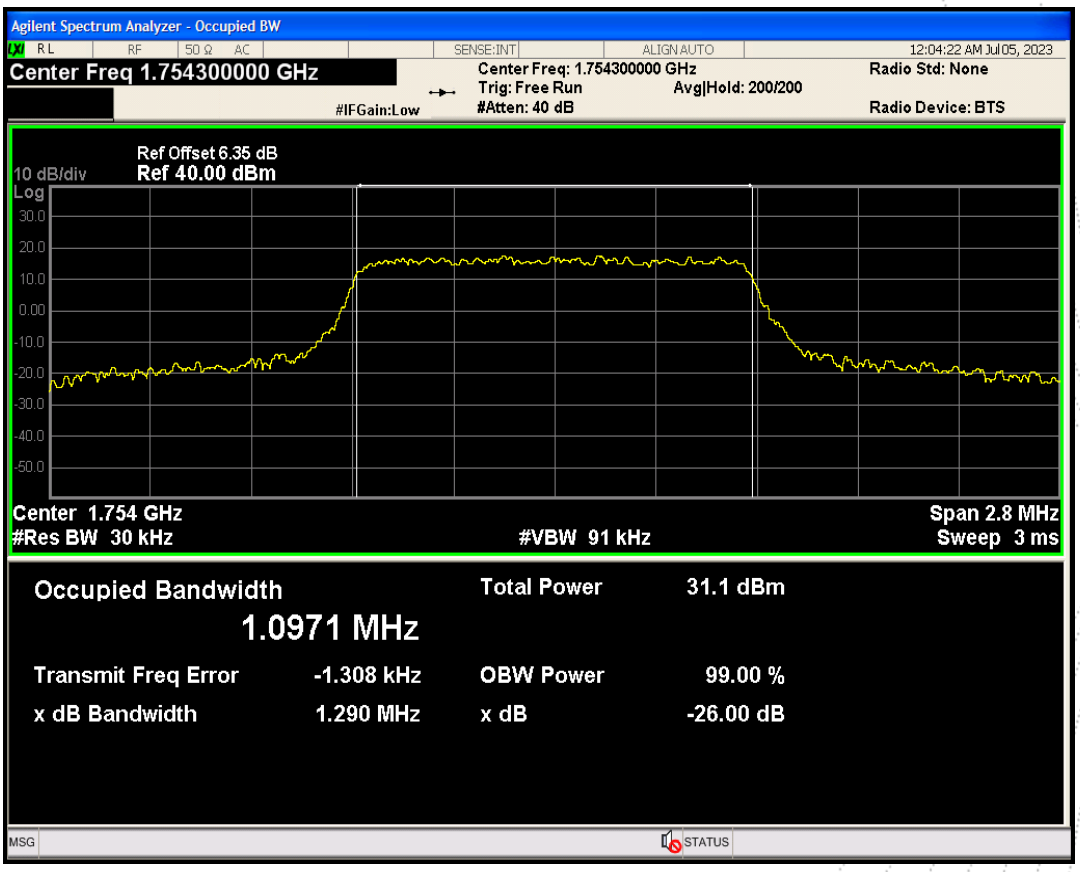
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



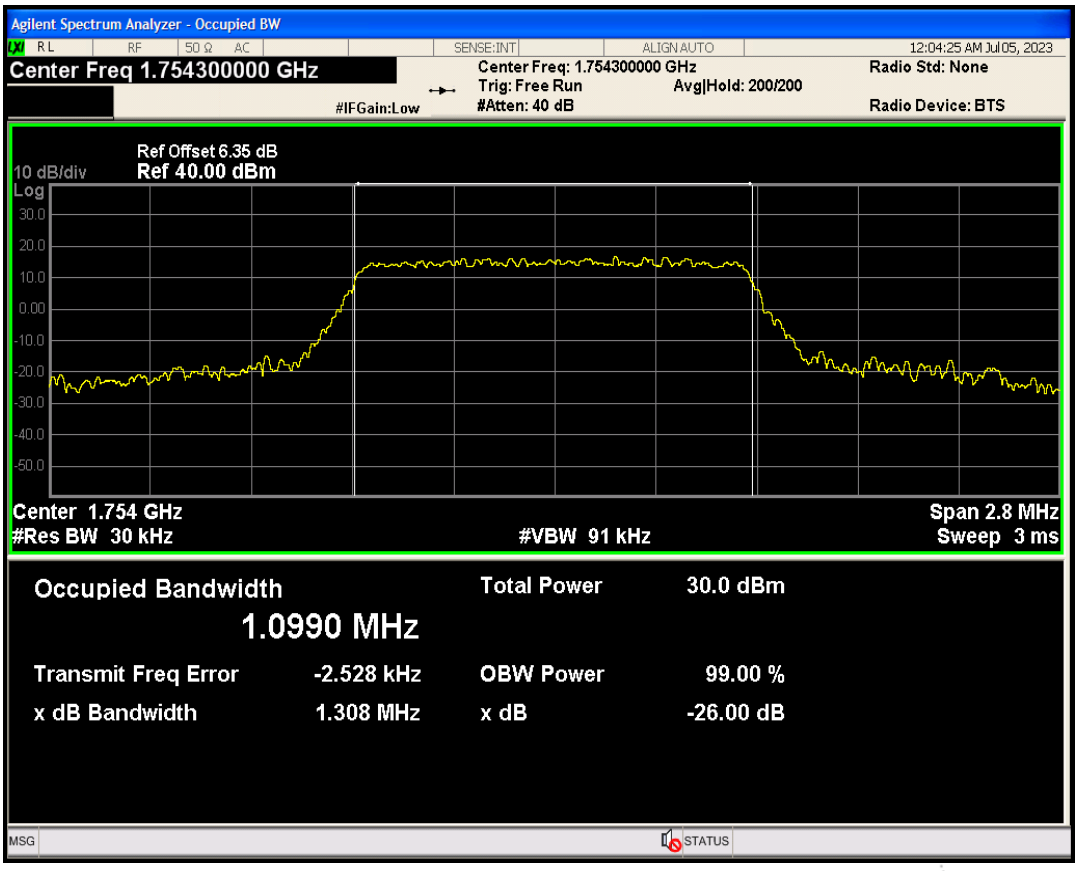
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



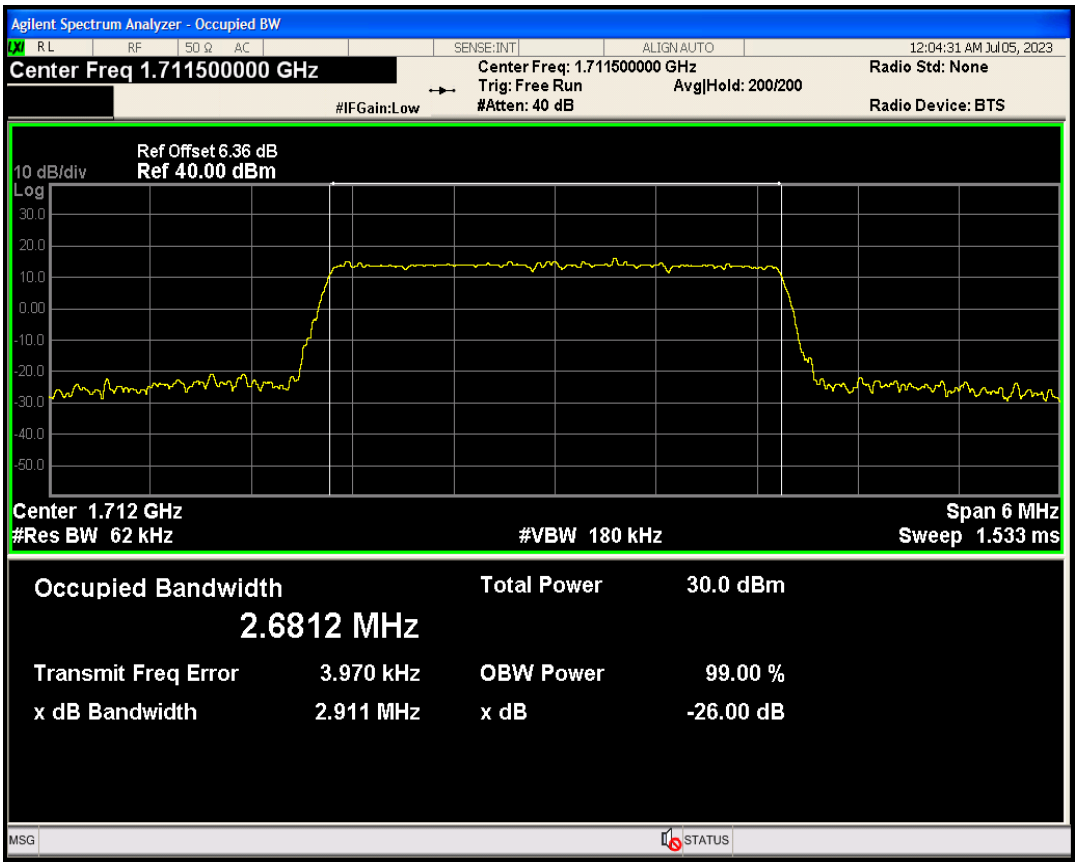
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



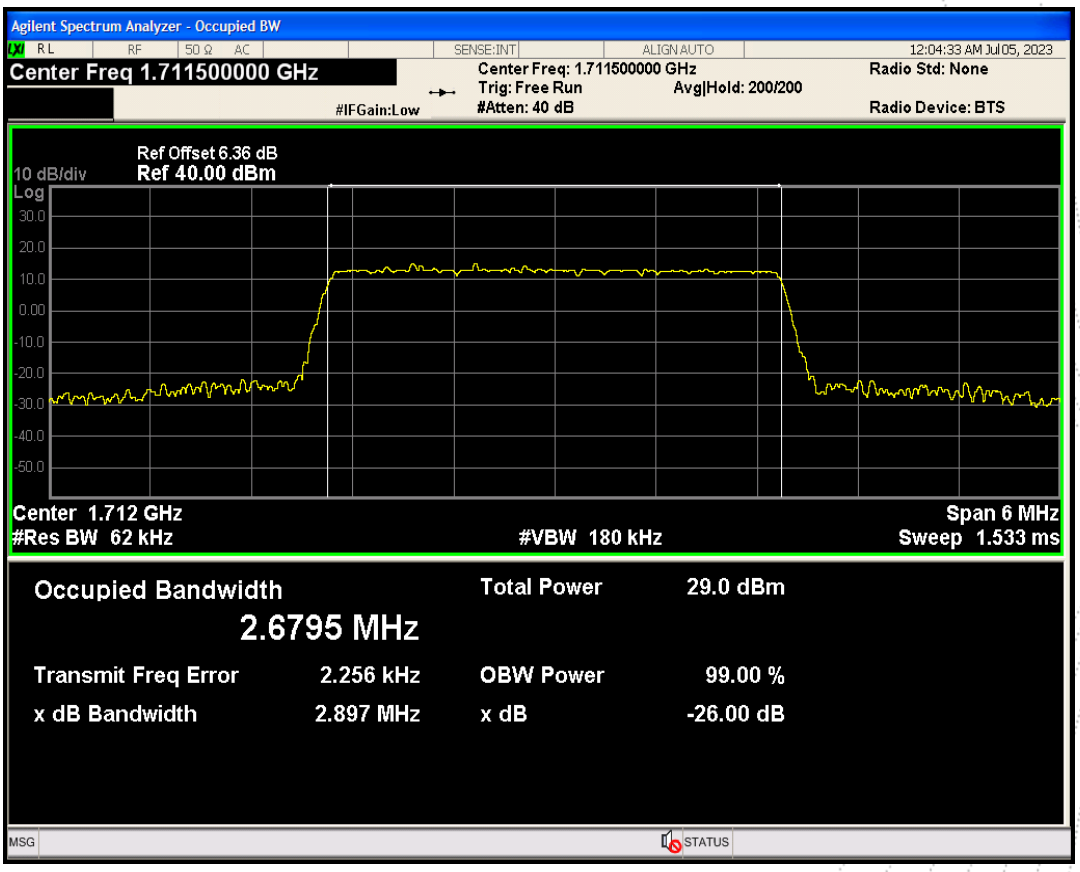
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



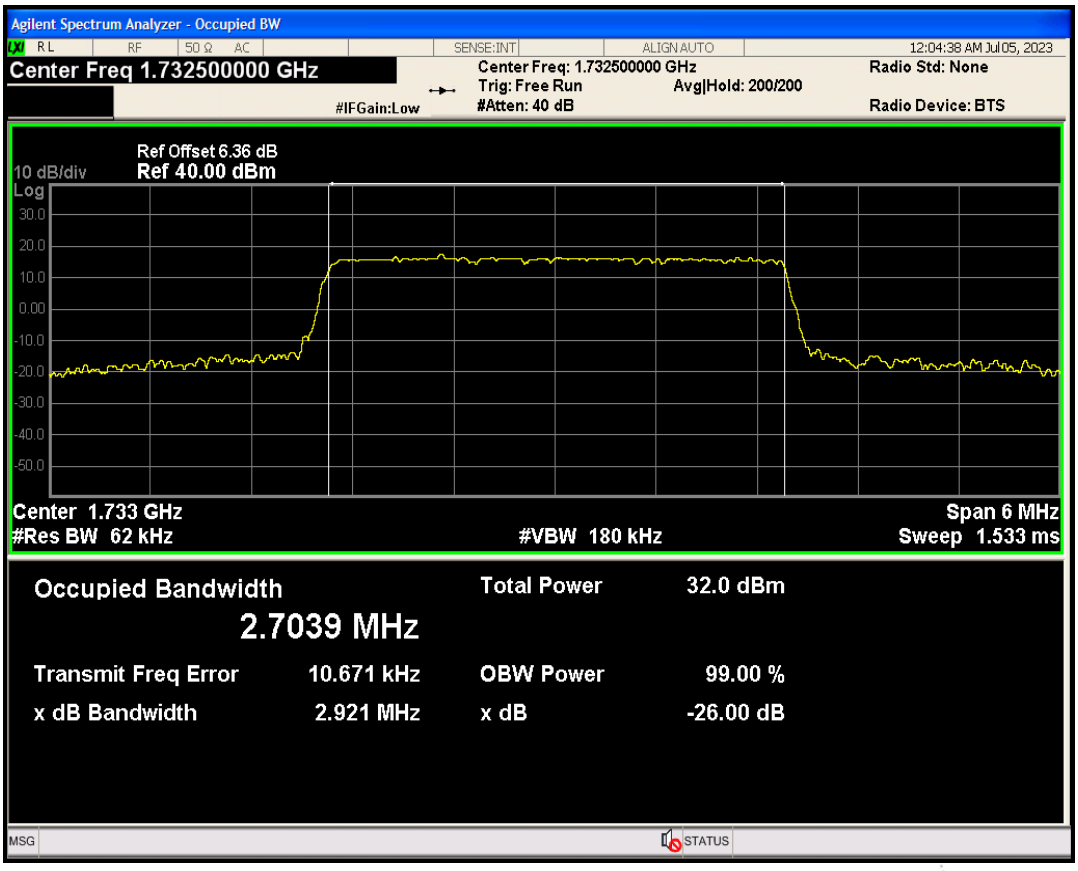
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



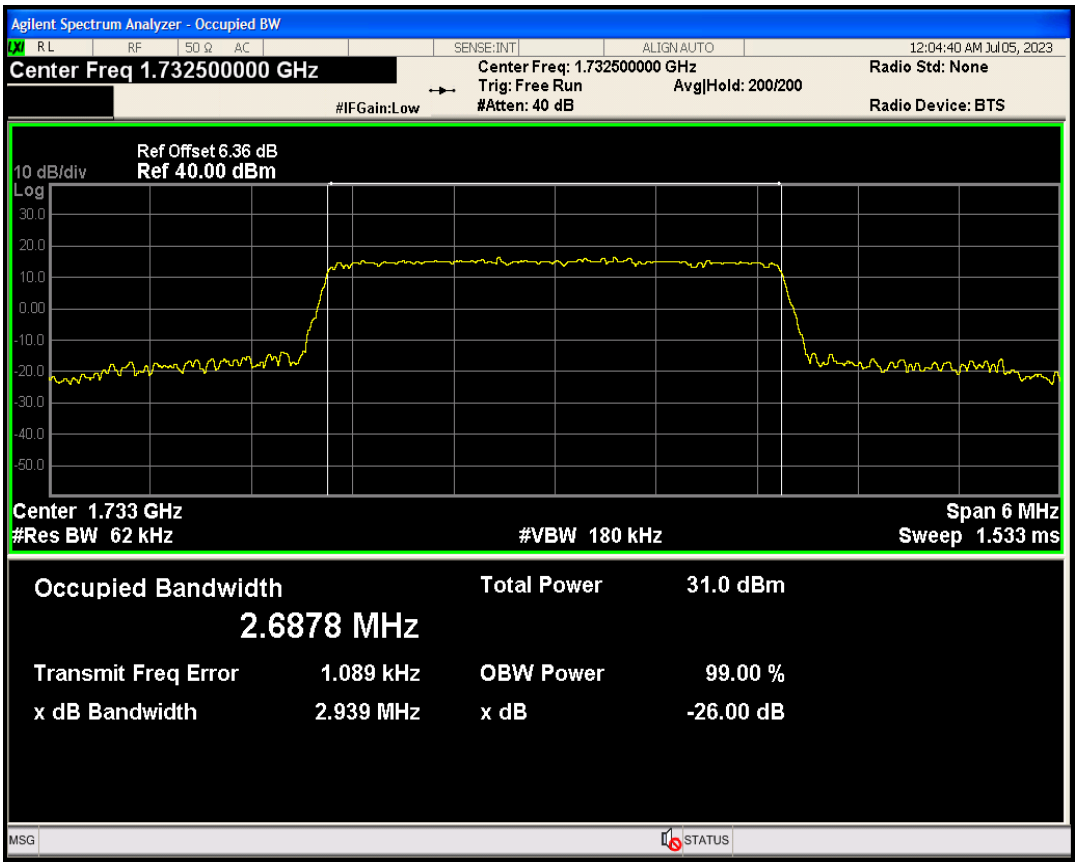
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



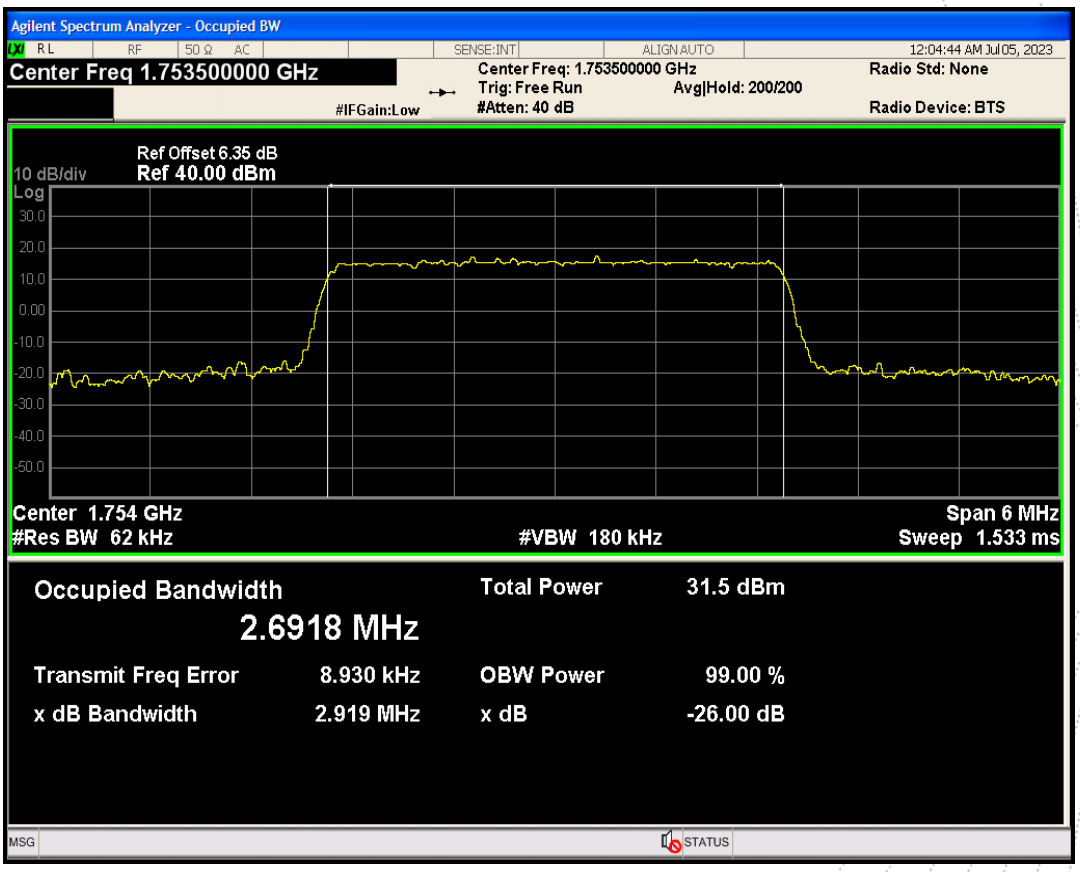
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



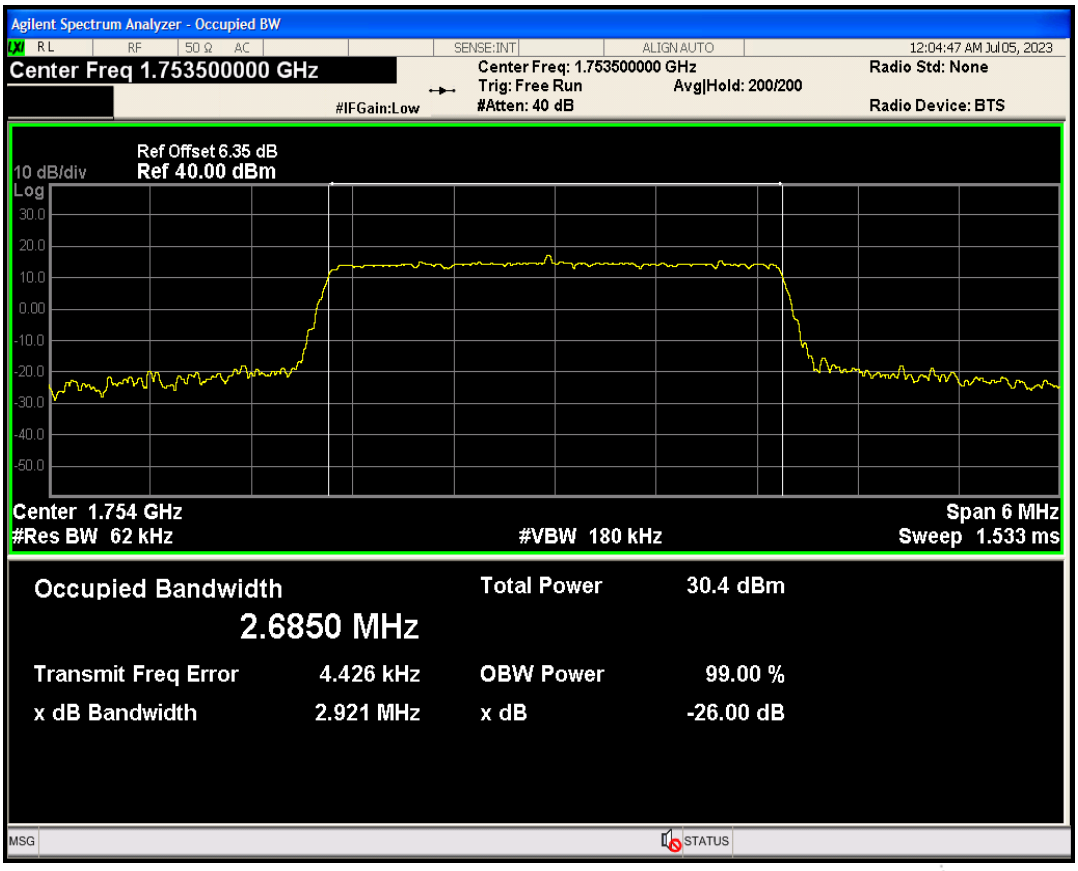
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



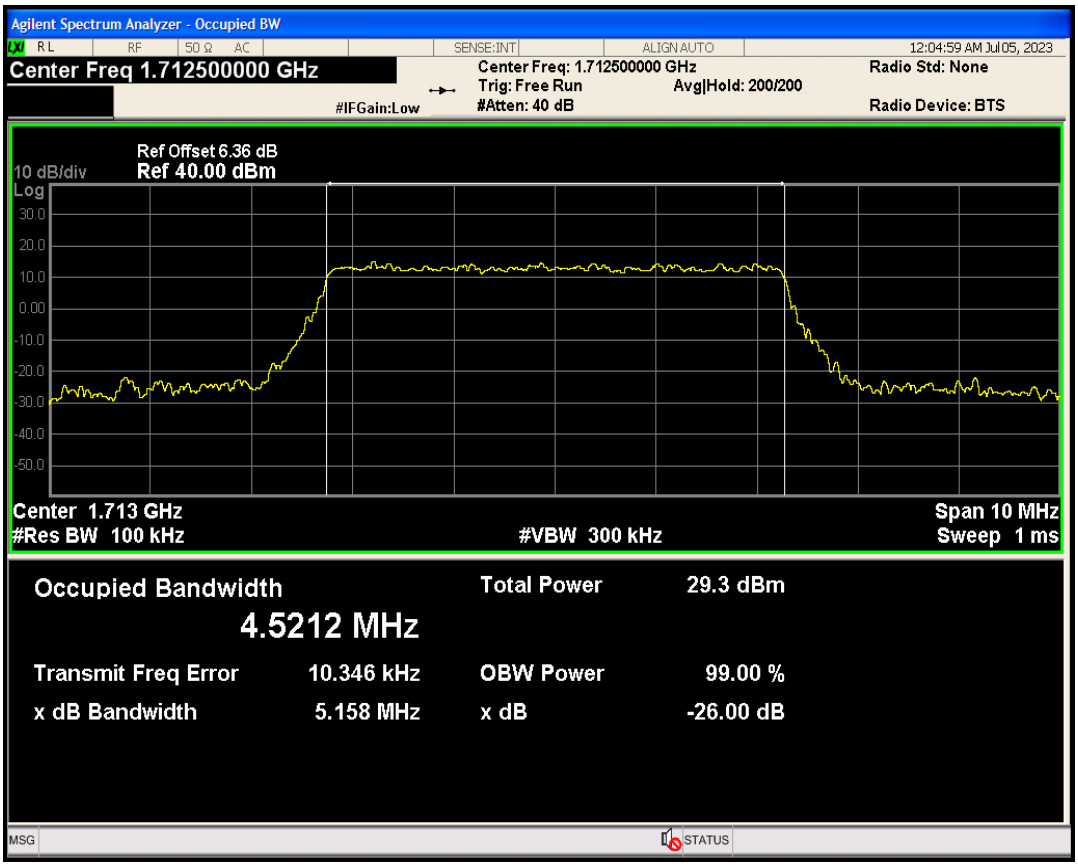
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



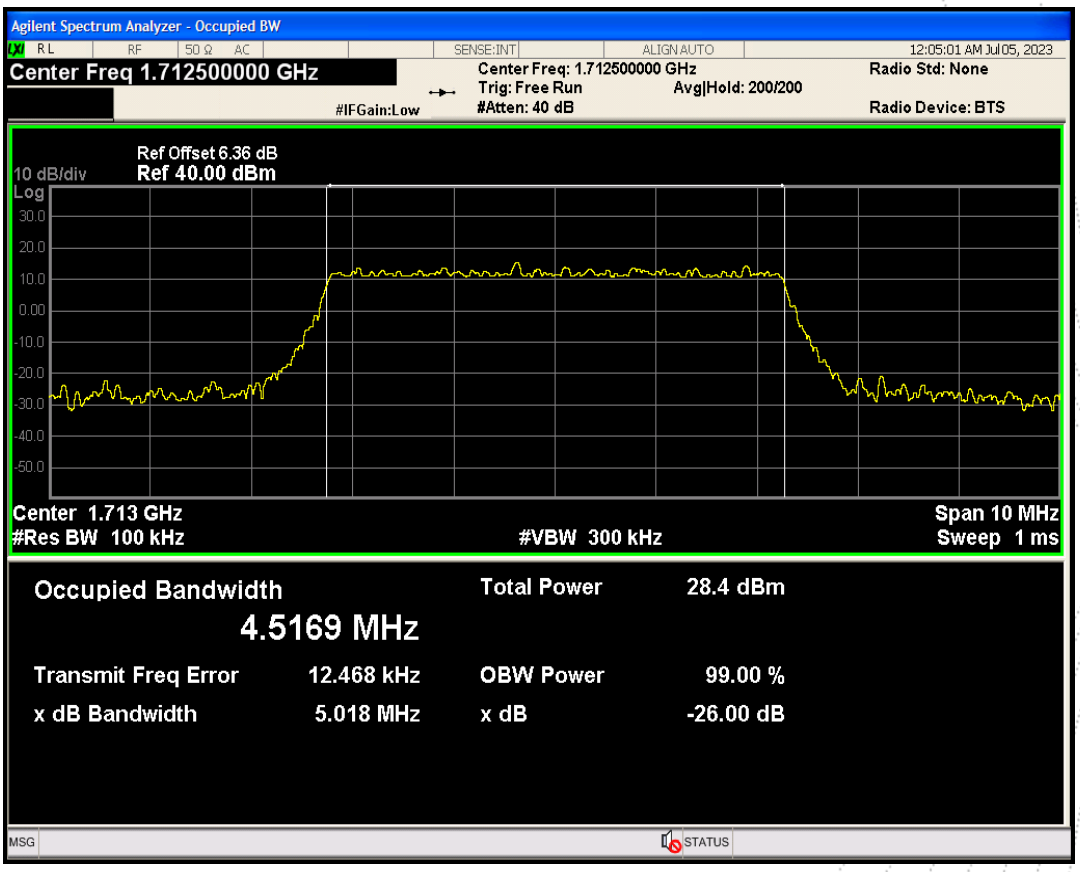
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



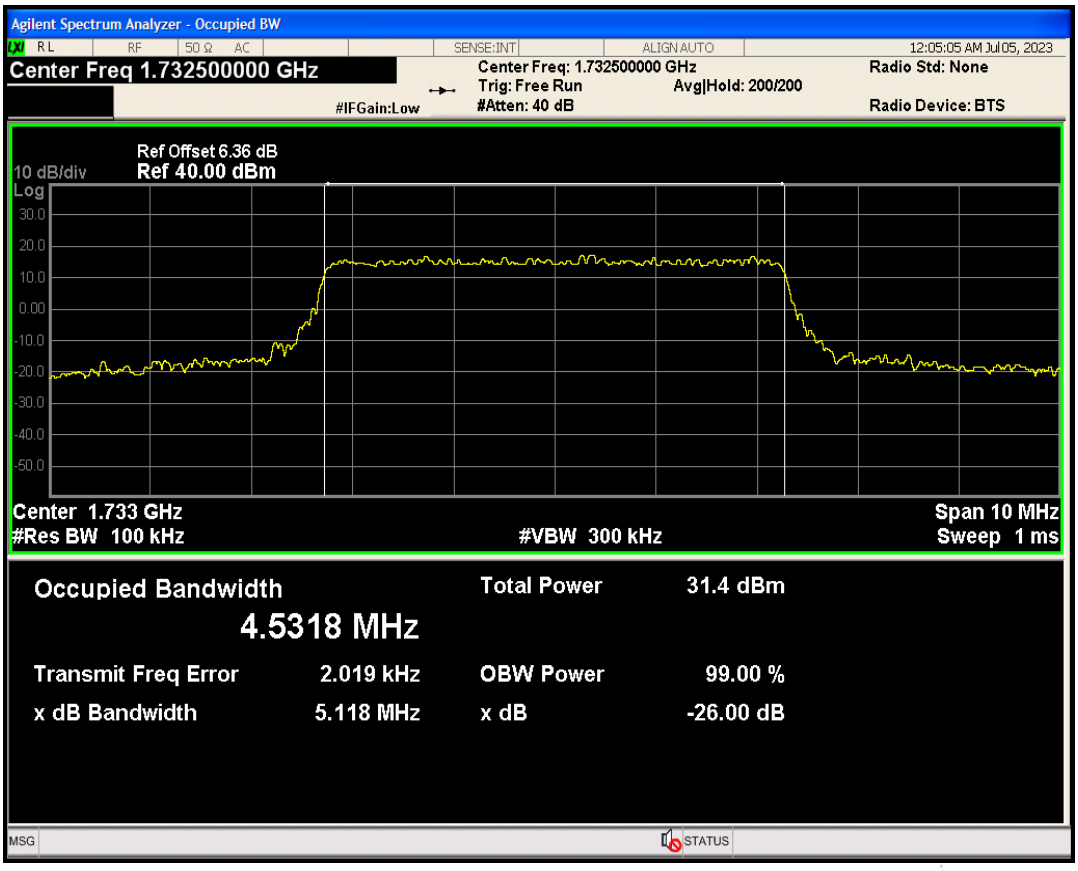
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



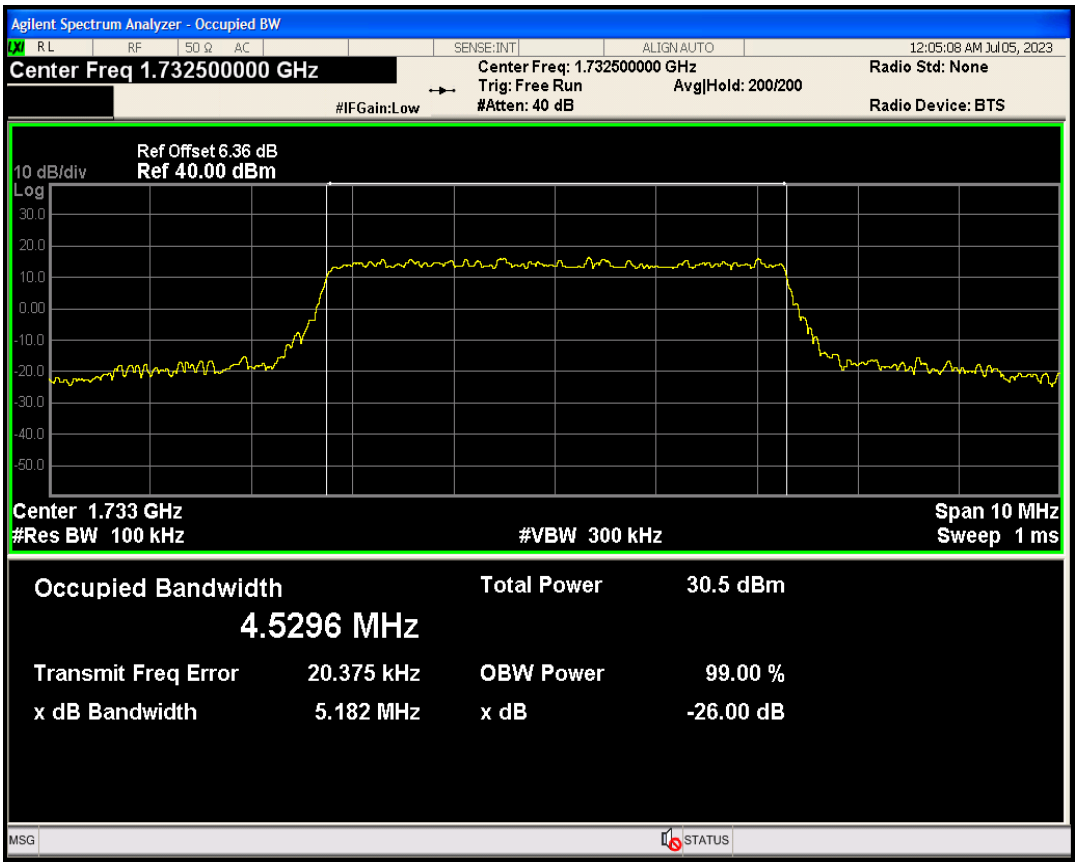
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



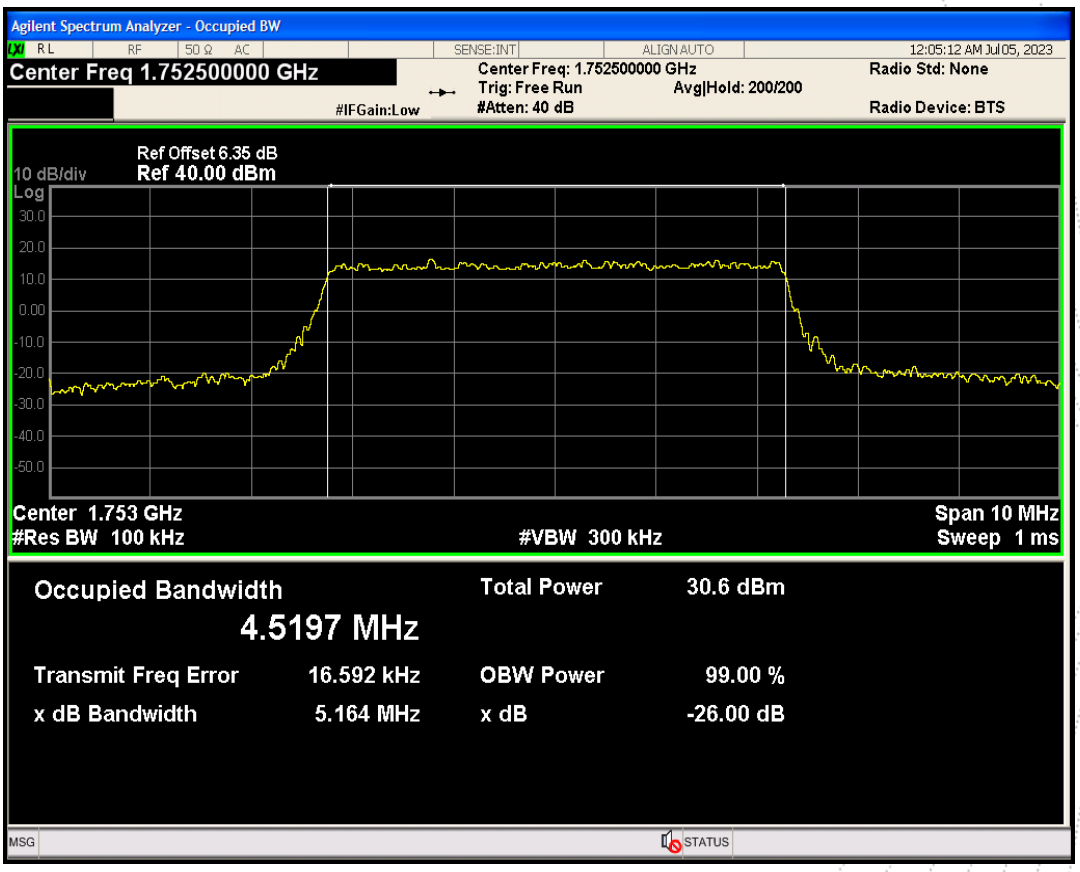
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



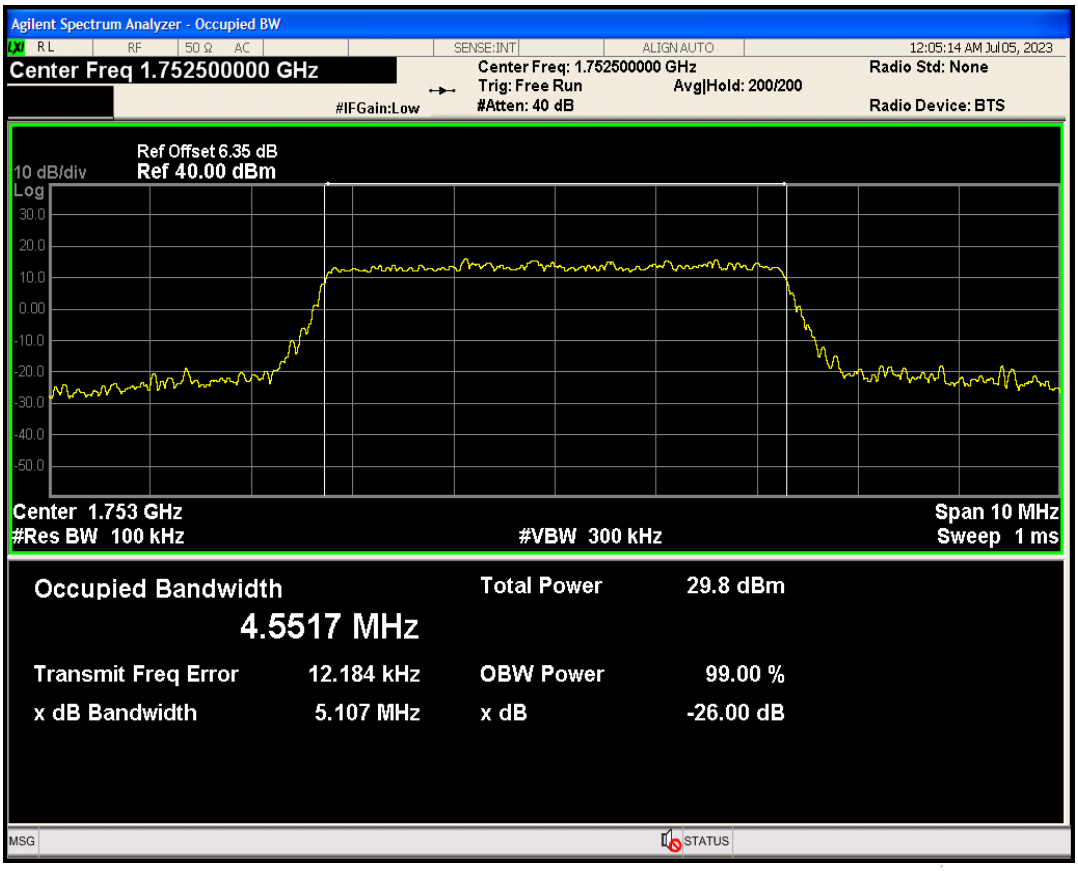
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



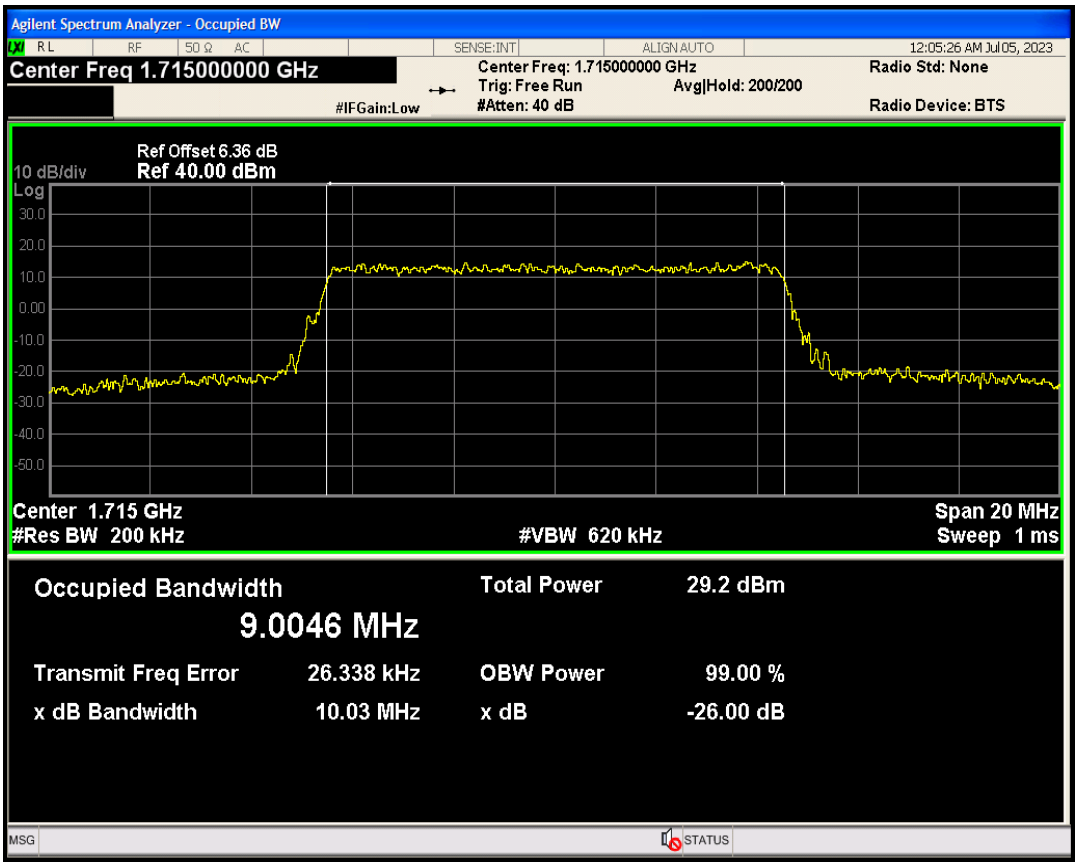
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



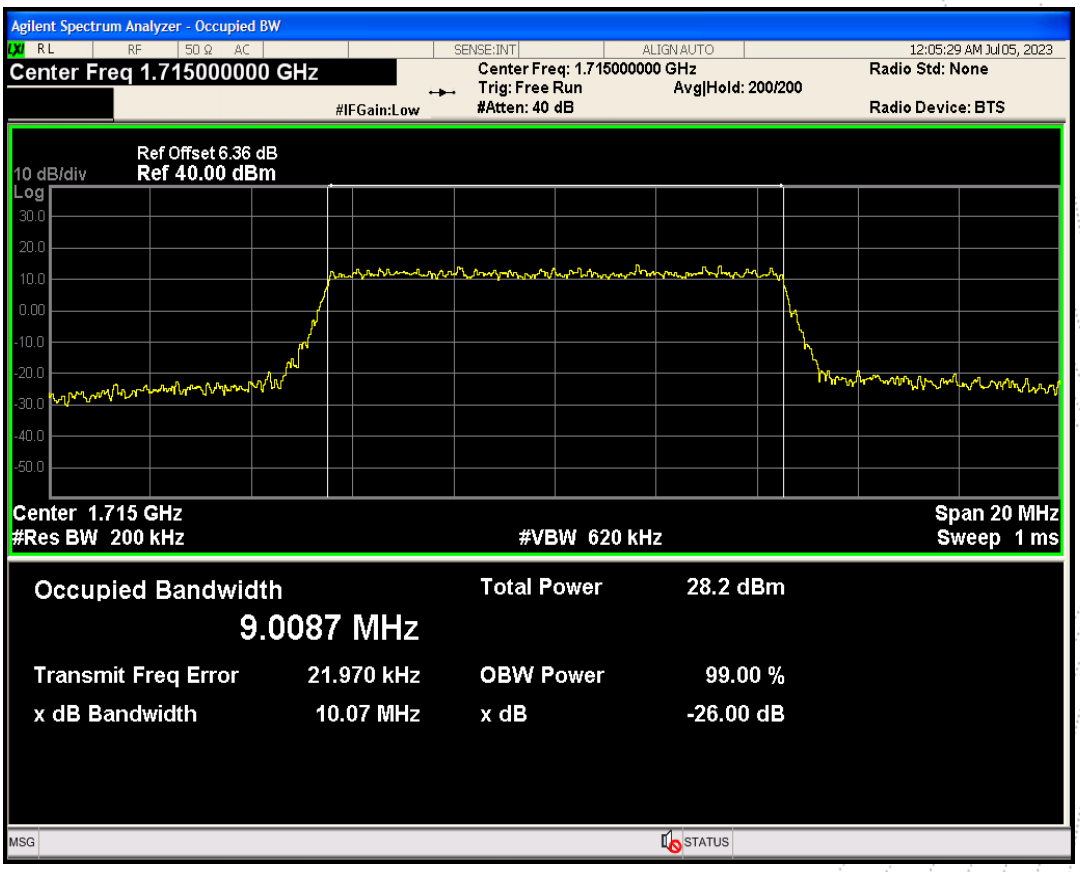
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



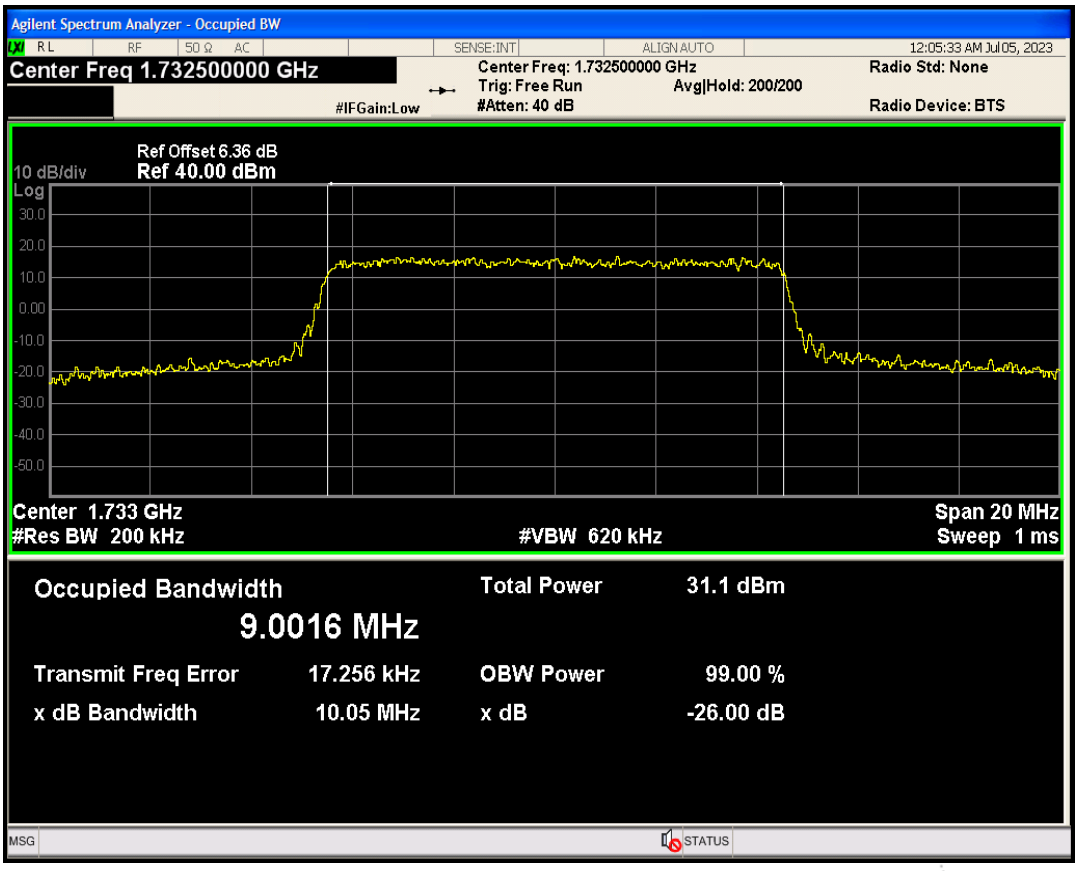
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



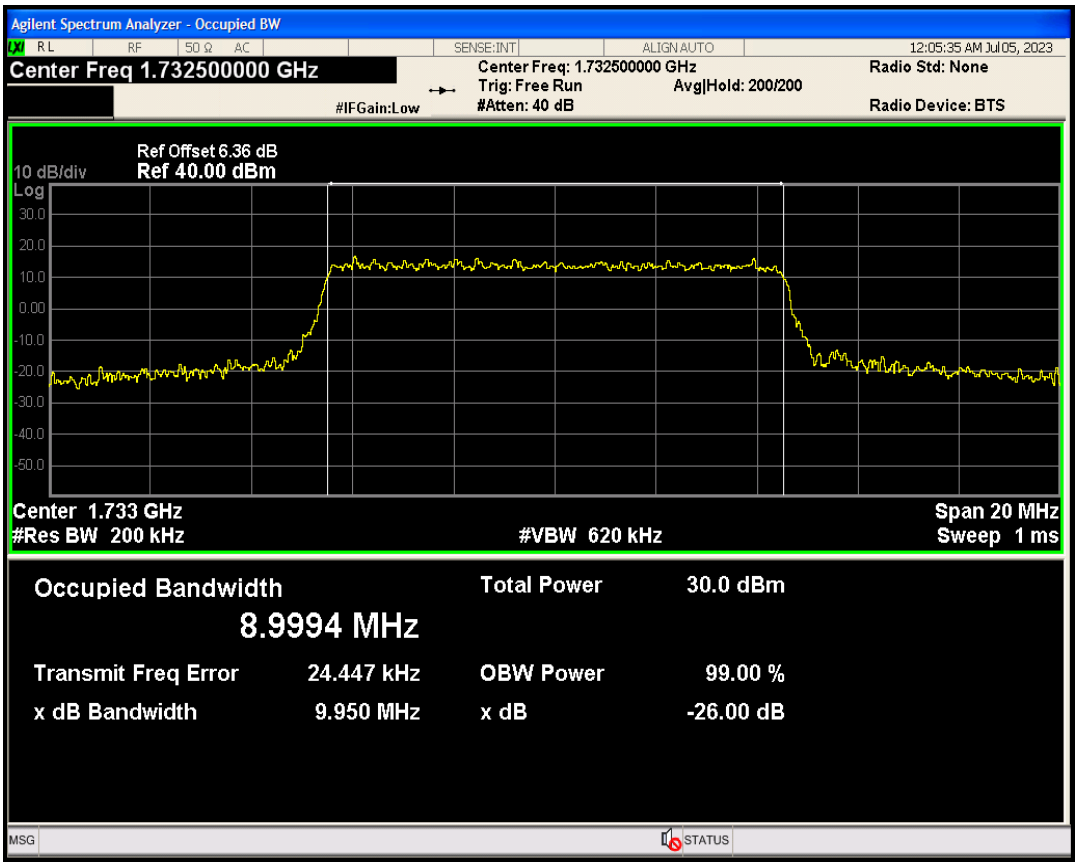
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



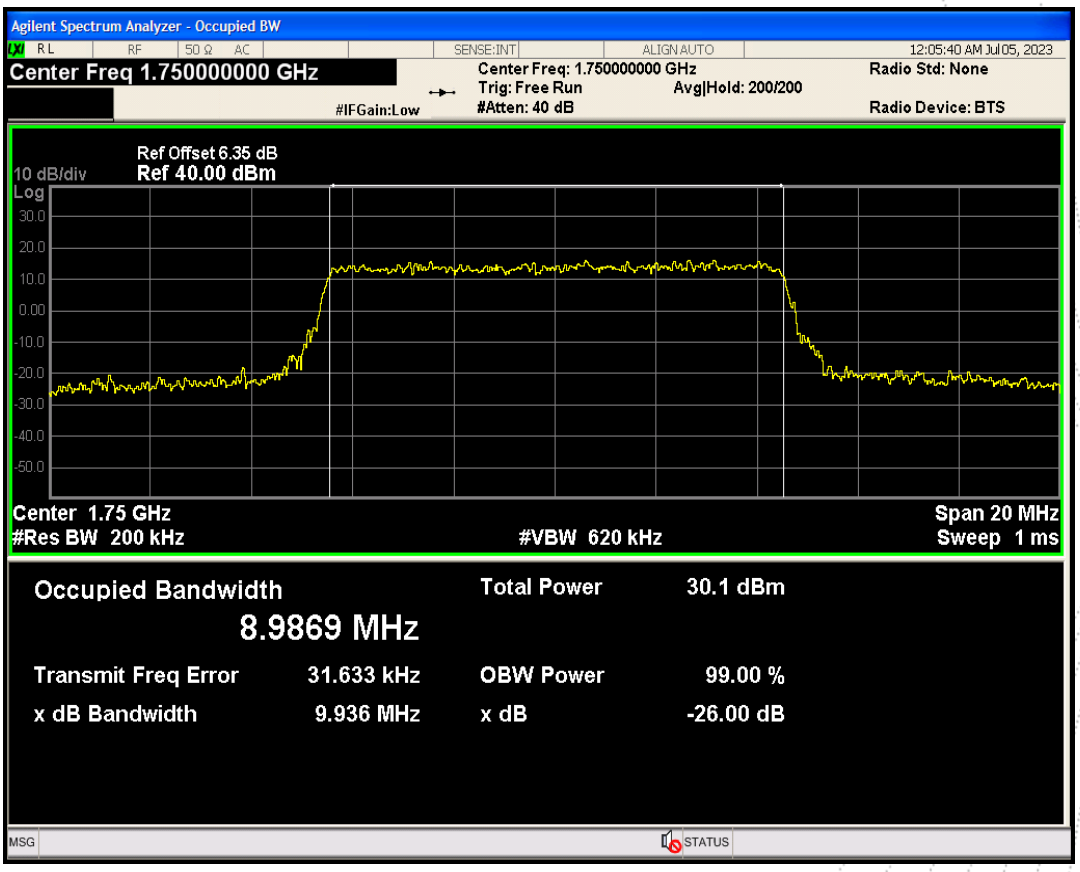
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



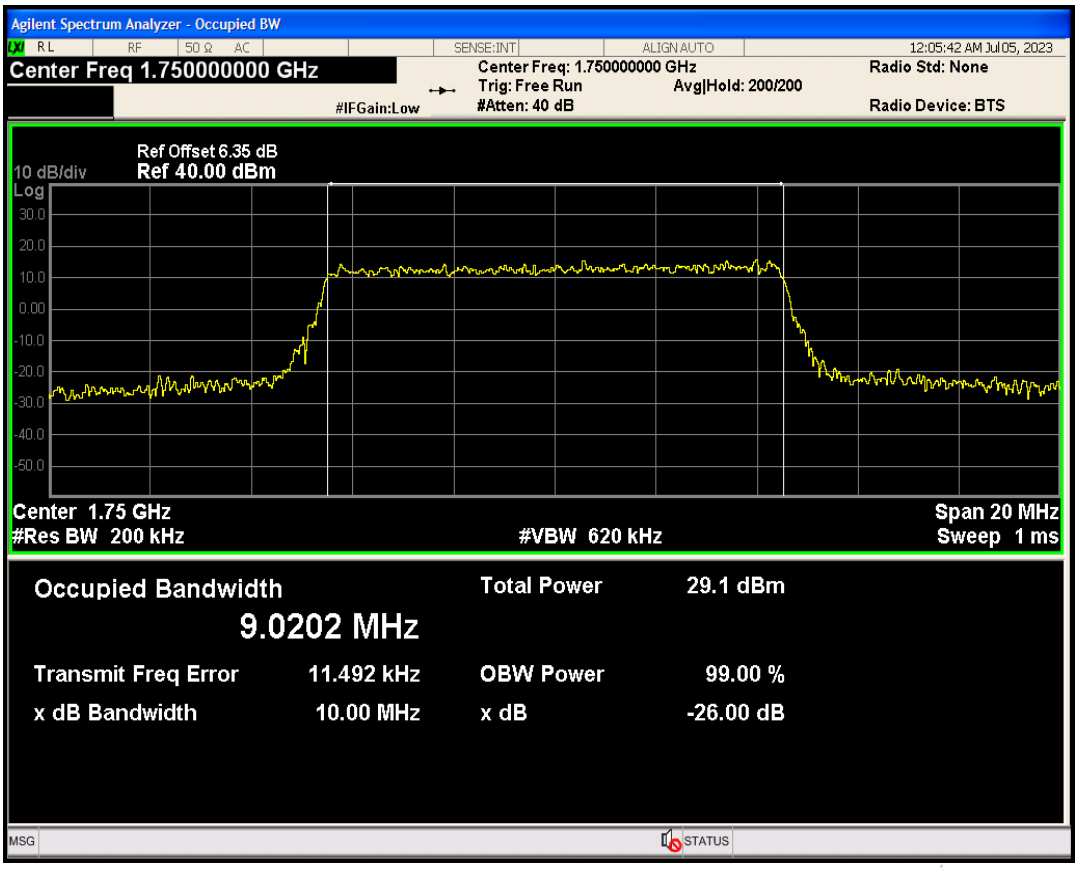
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



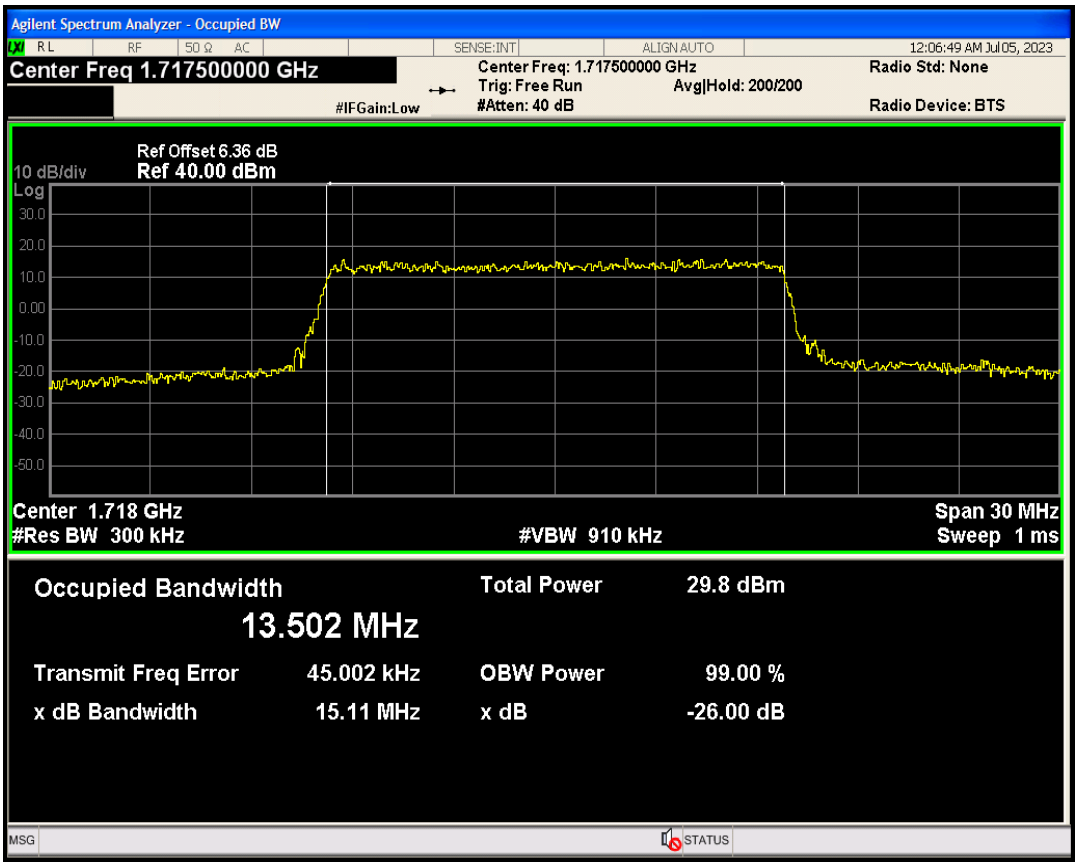
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



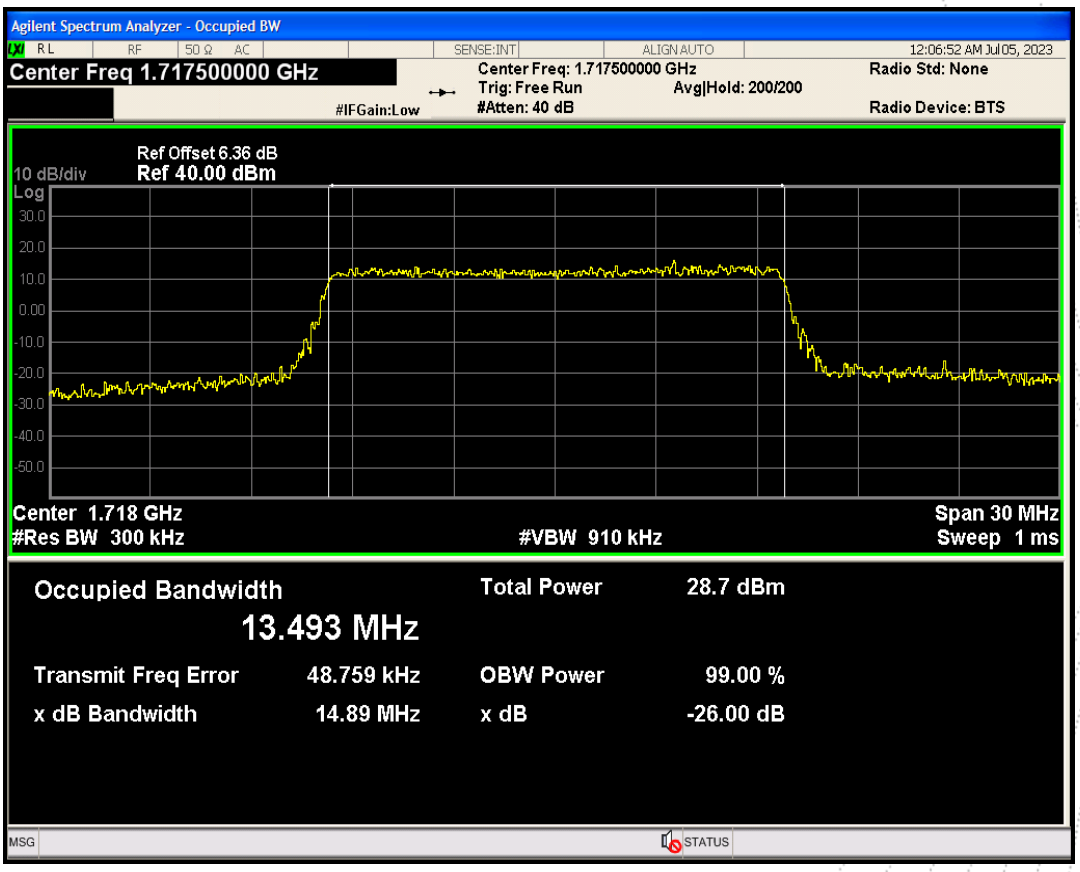
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



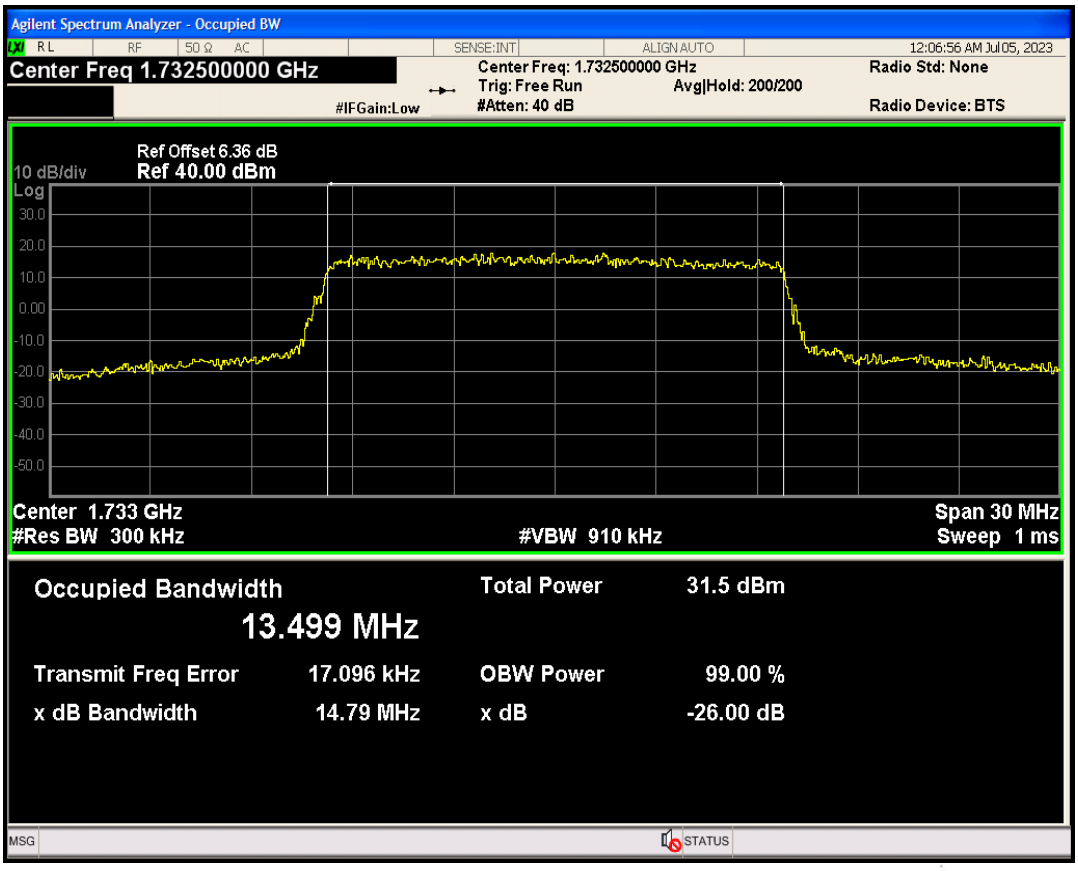
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



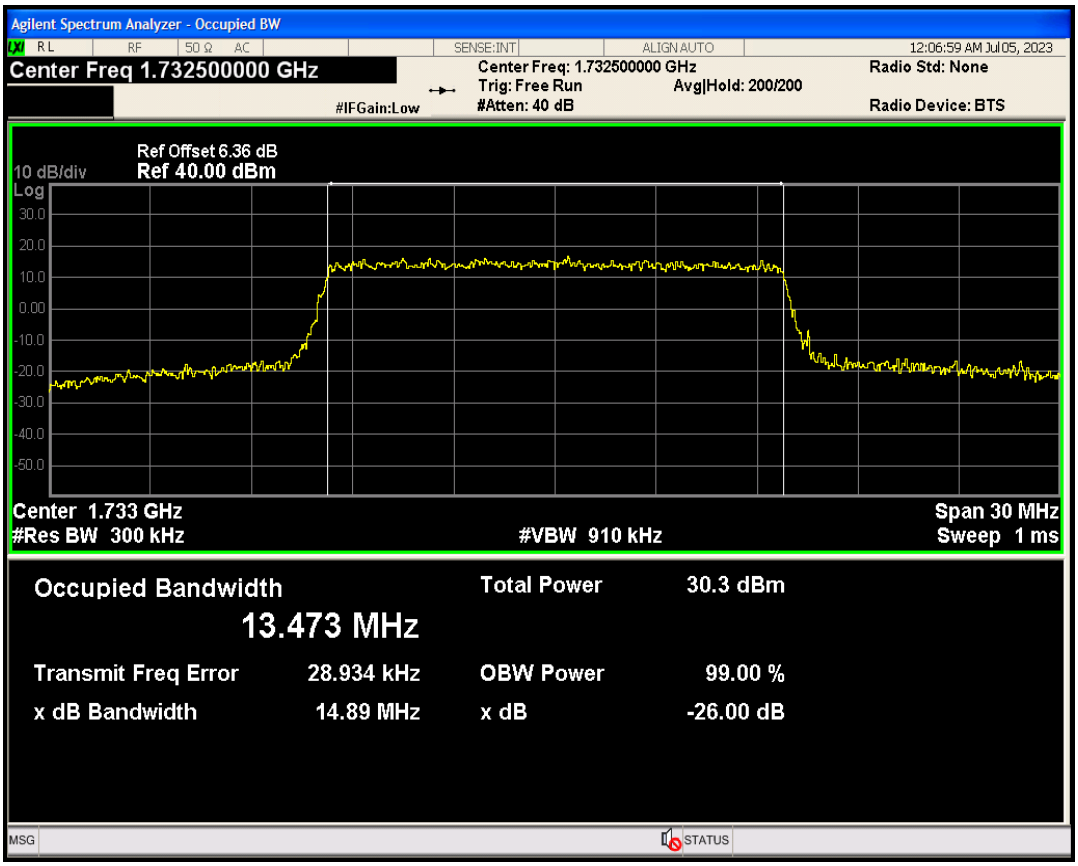
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



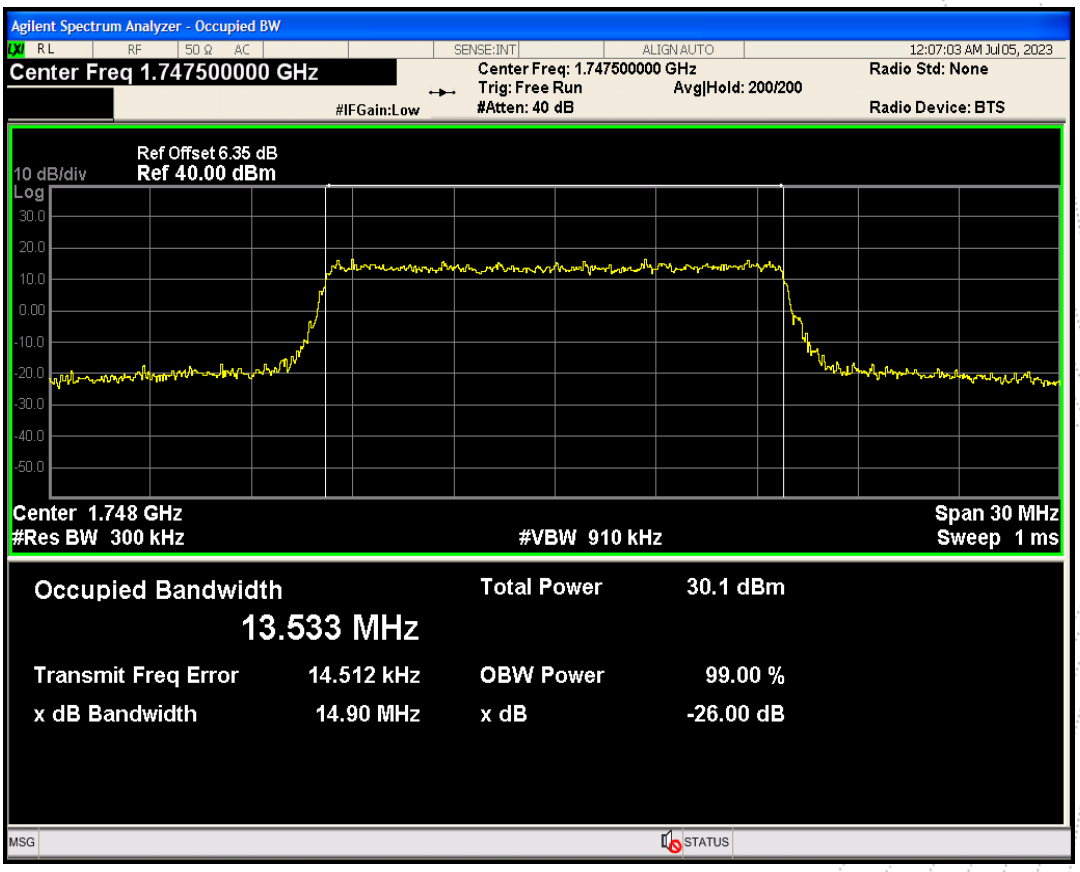
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



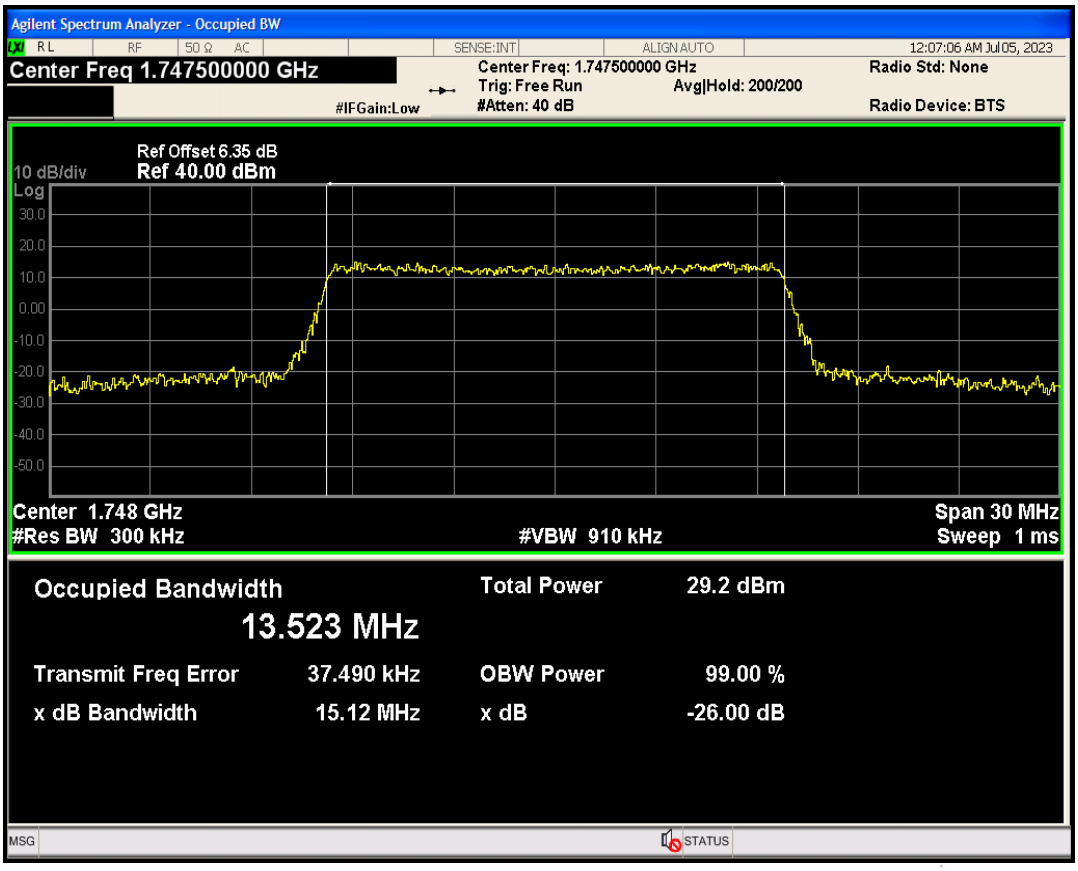
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



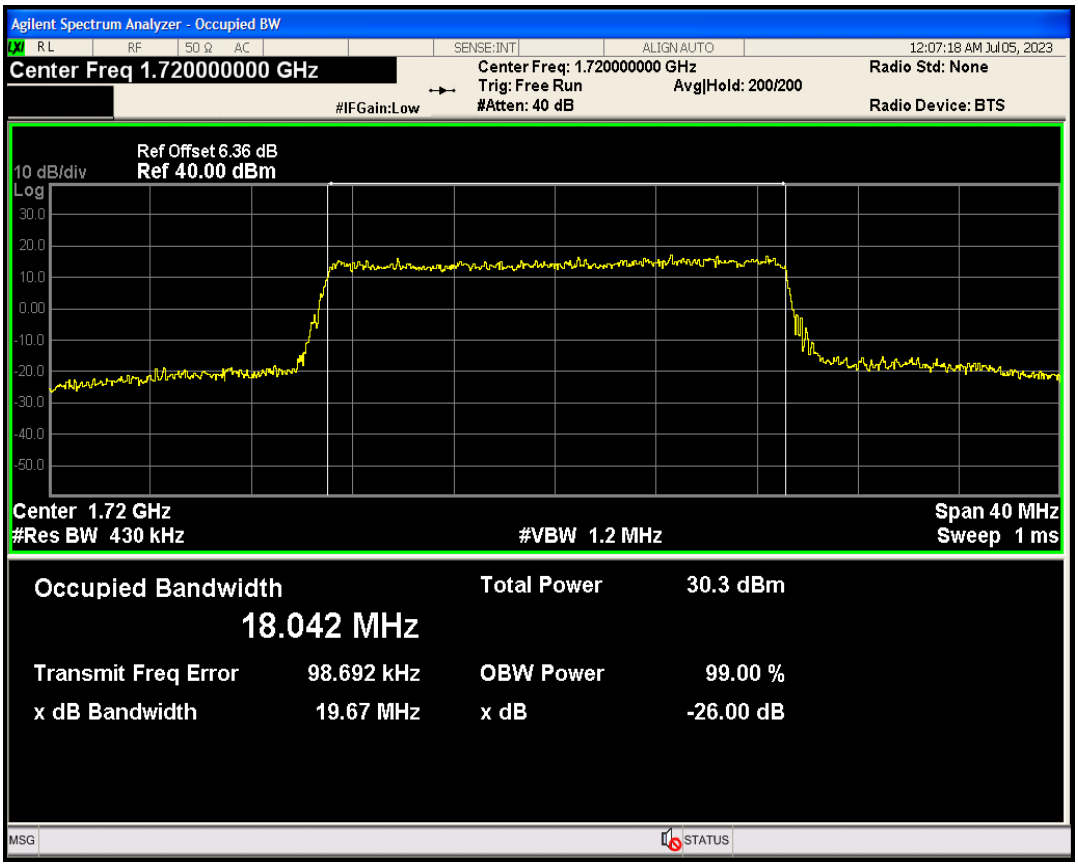
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



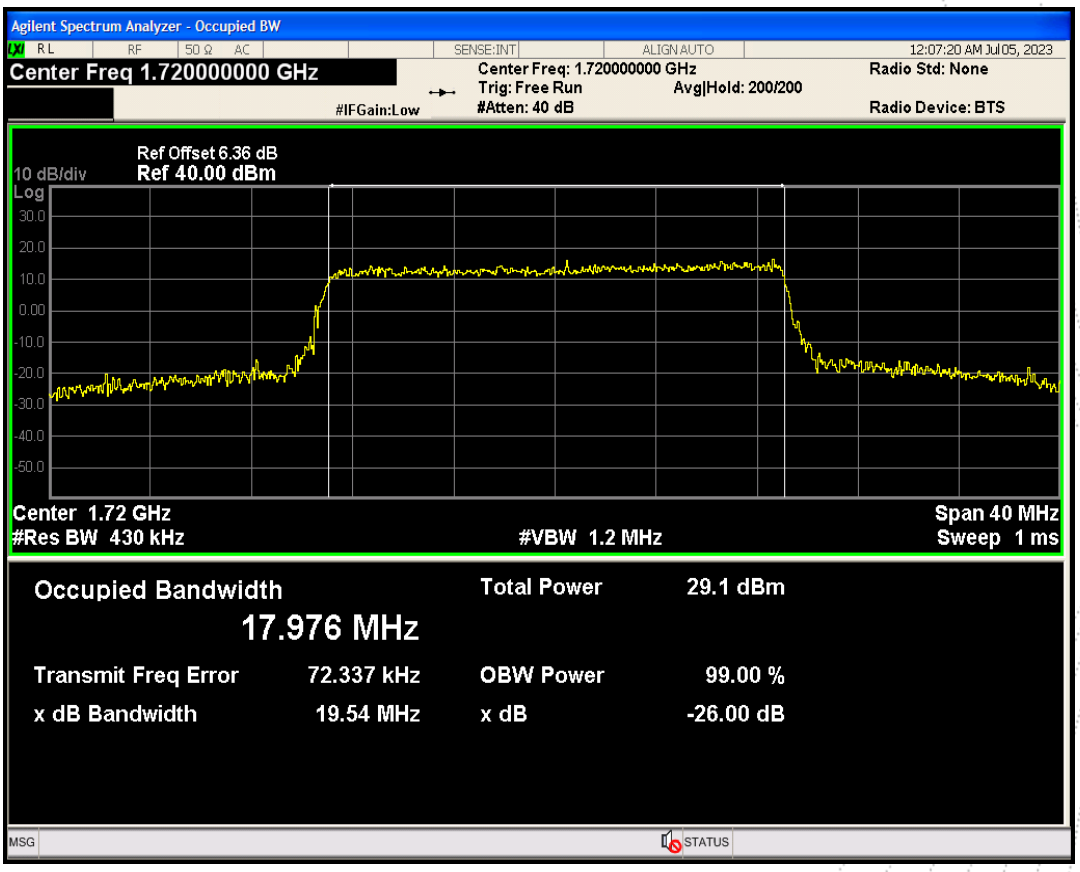
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



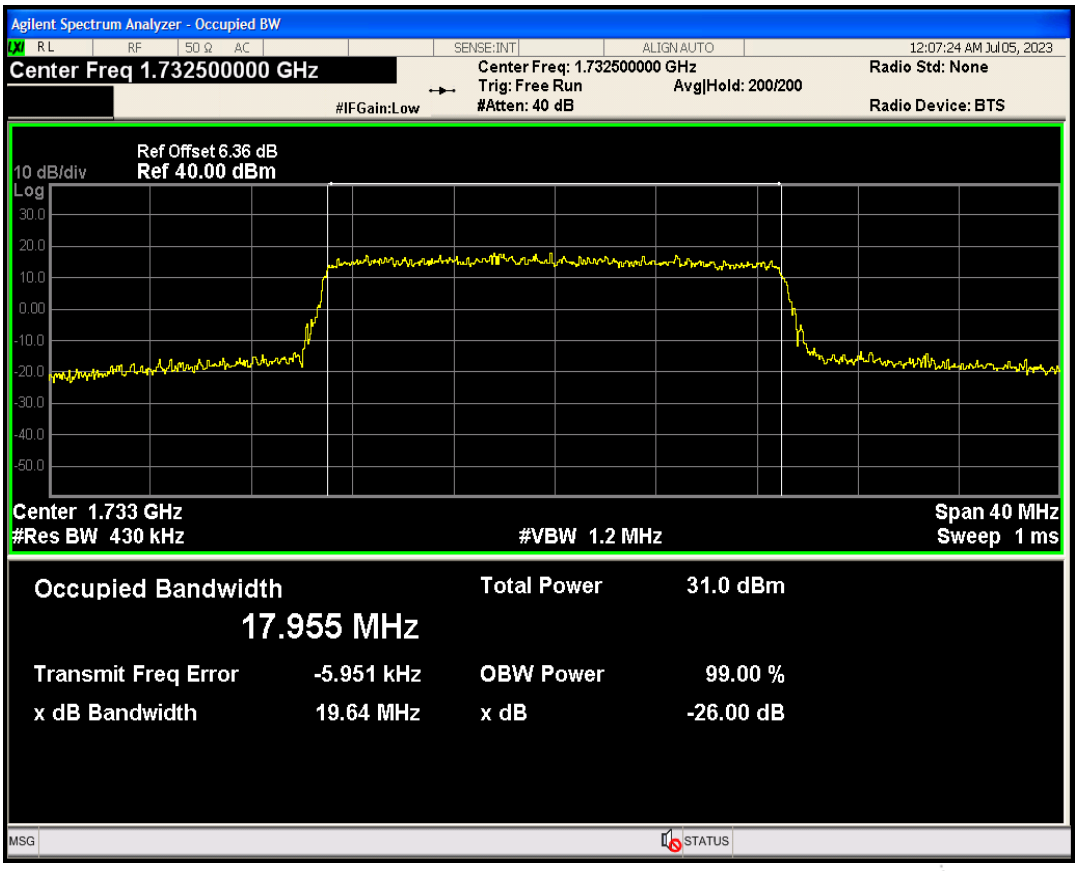
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



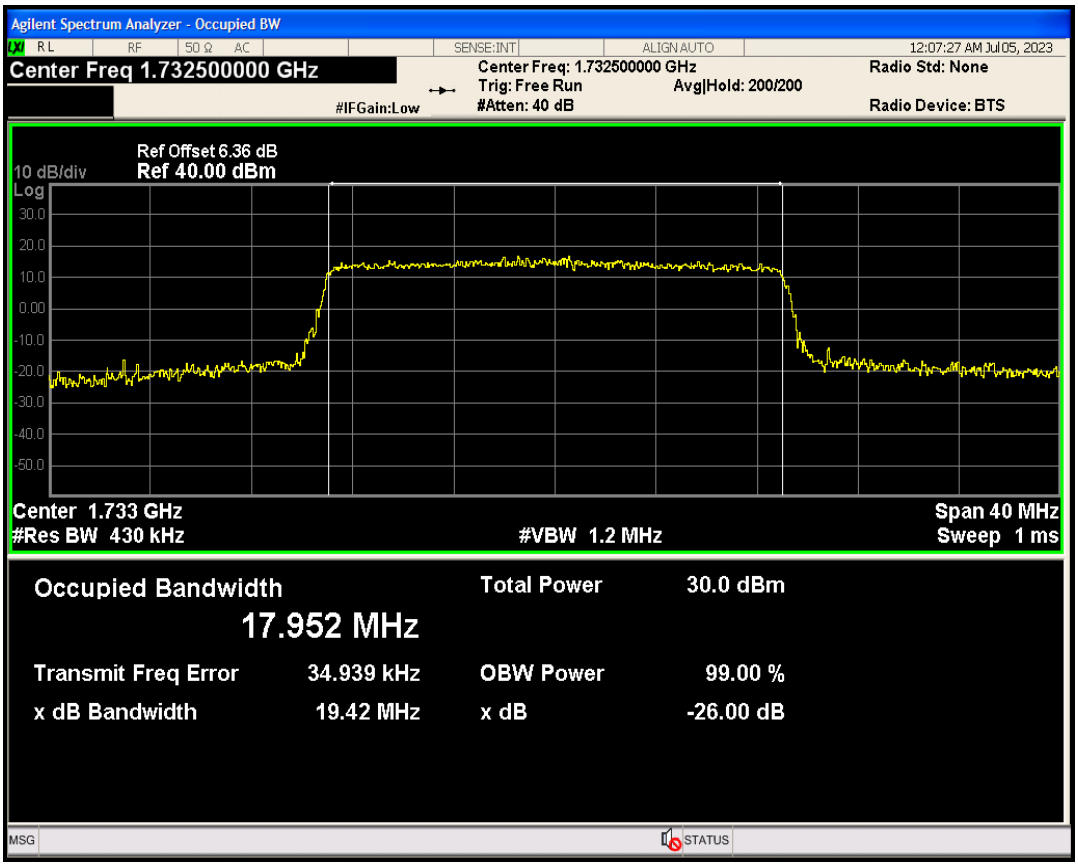
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



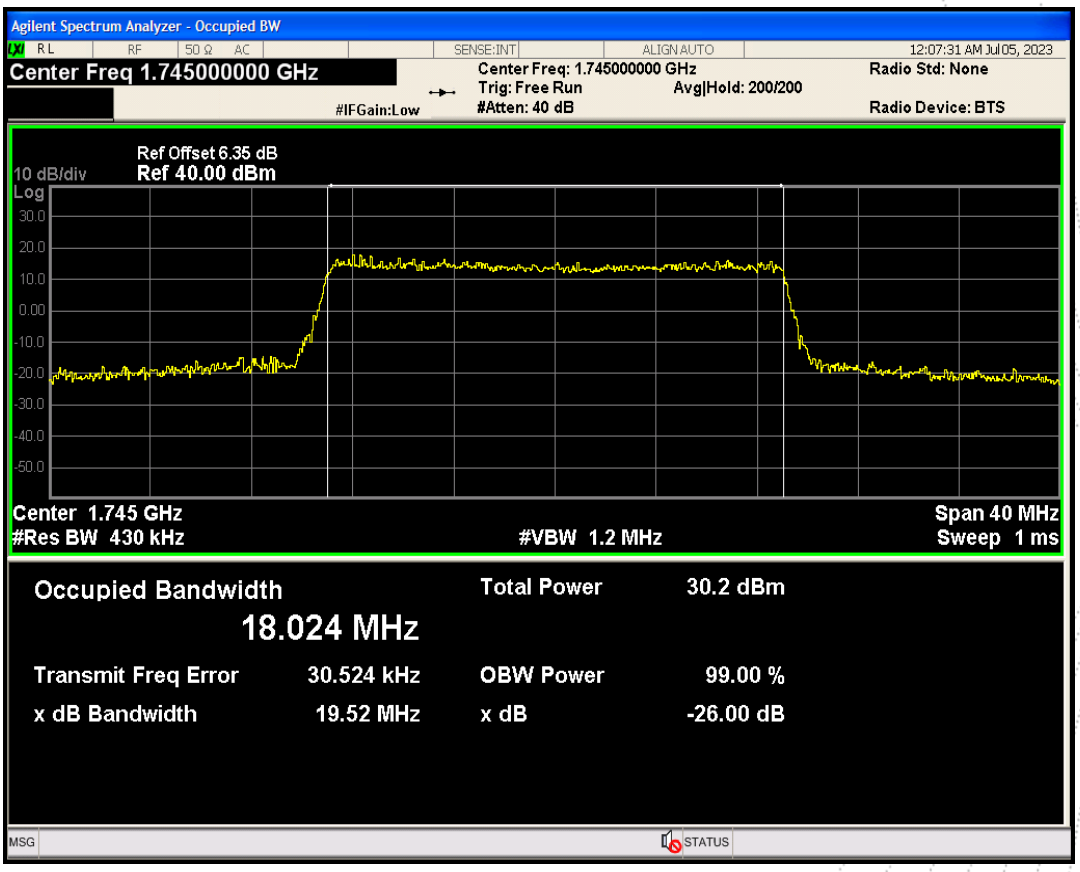
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



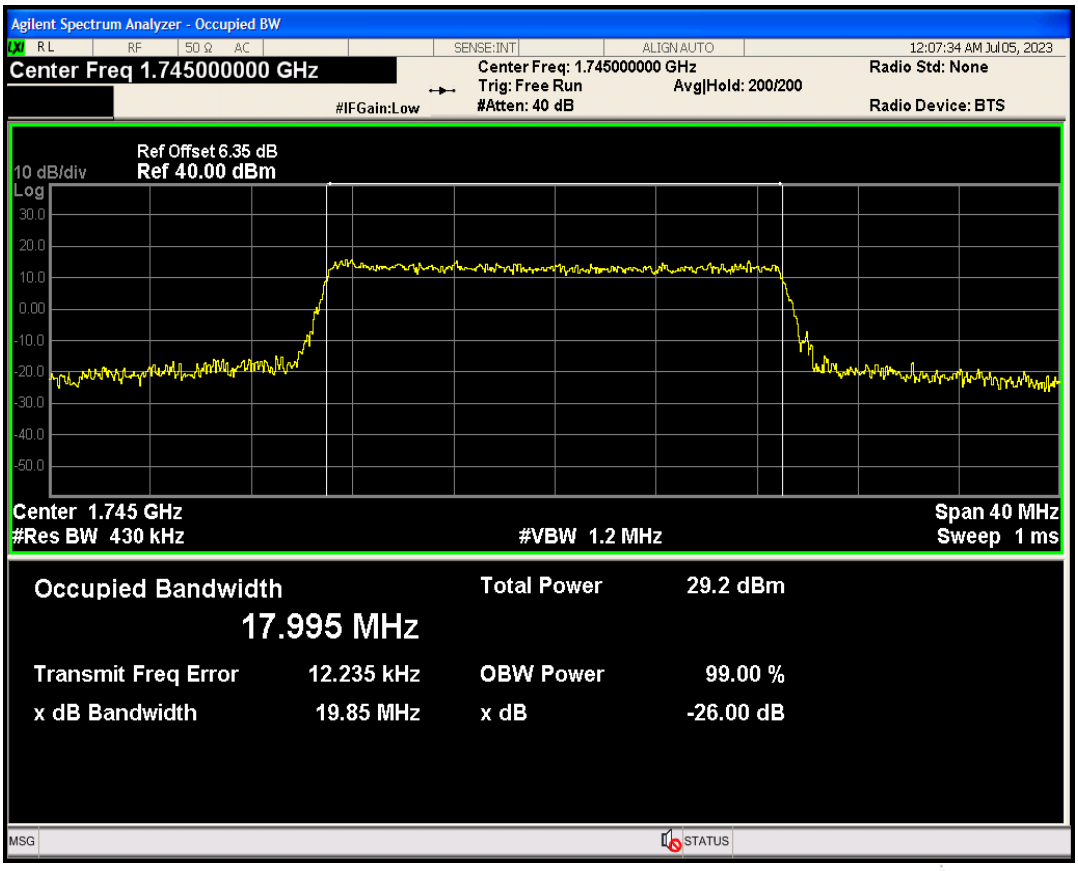
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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



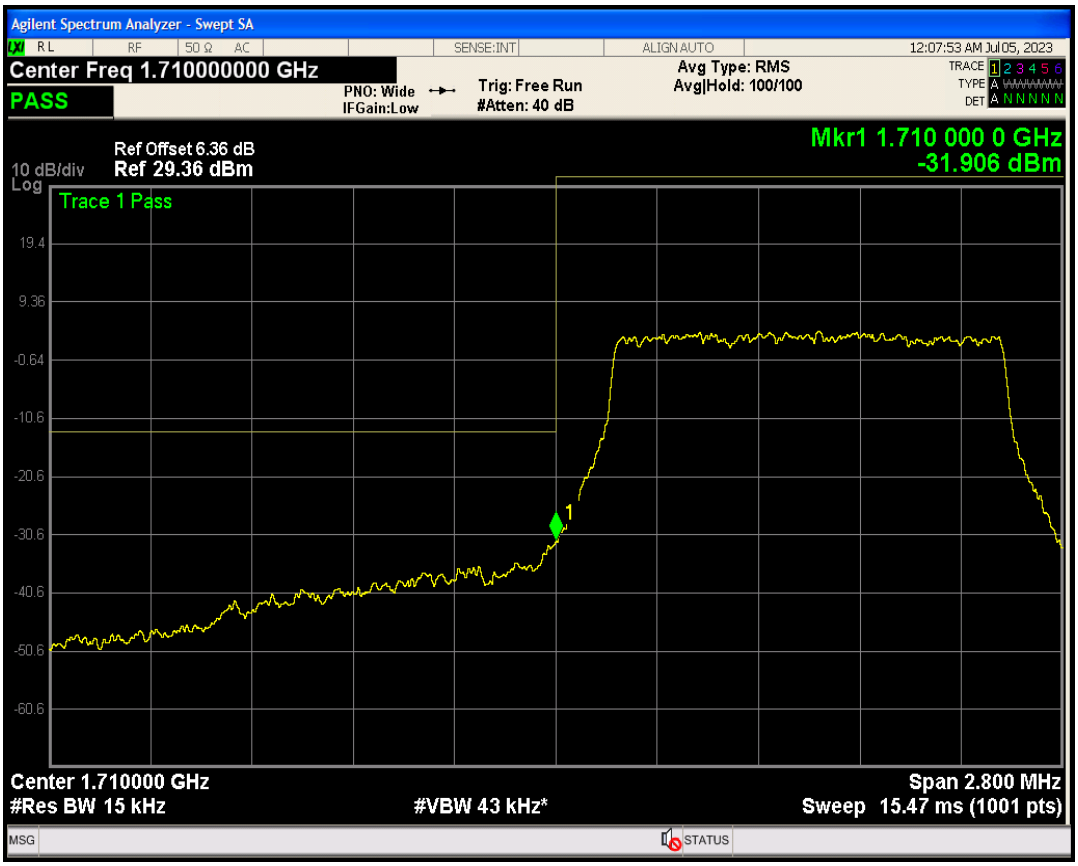
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



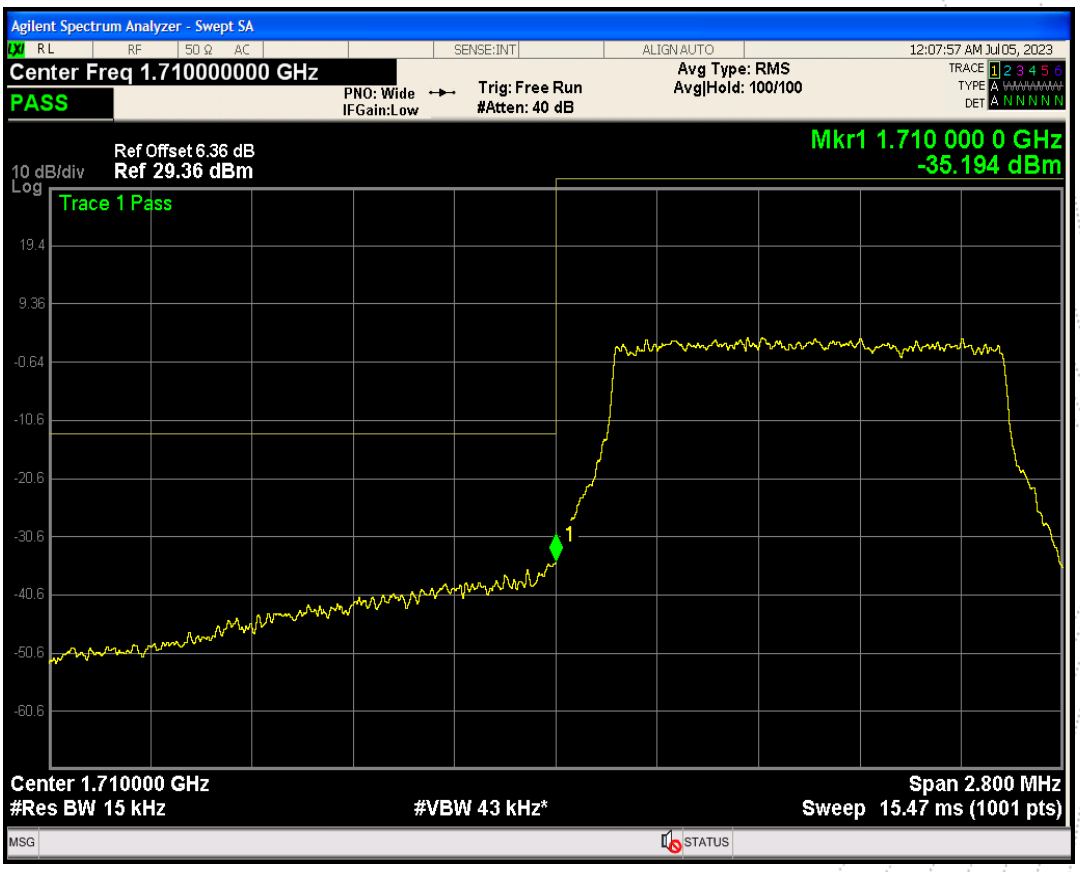
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-31.90	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-35.19	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.01	-27.30	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-27.76	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-32.85	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-34.35	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-29.46	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.02	-31.53	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.95	-27.33	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-26.84	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-24.93	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.02	-24.68	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-30.12	-13	PASS
Band4	10	20000	50	#0	16QAM	1709.94	-31.26	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.00	-28.90	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-28.73	-13	PASS
Band4	15	20025	75	#0	QPSK	1710.00	-28.82	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.91	-32.45	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-27.72	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-30.32	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.80	-30.73	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.52	-33.74	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.16	-29.68	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-31.06	-13	PASS

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



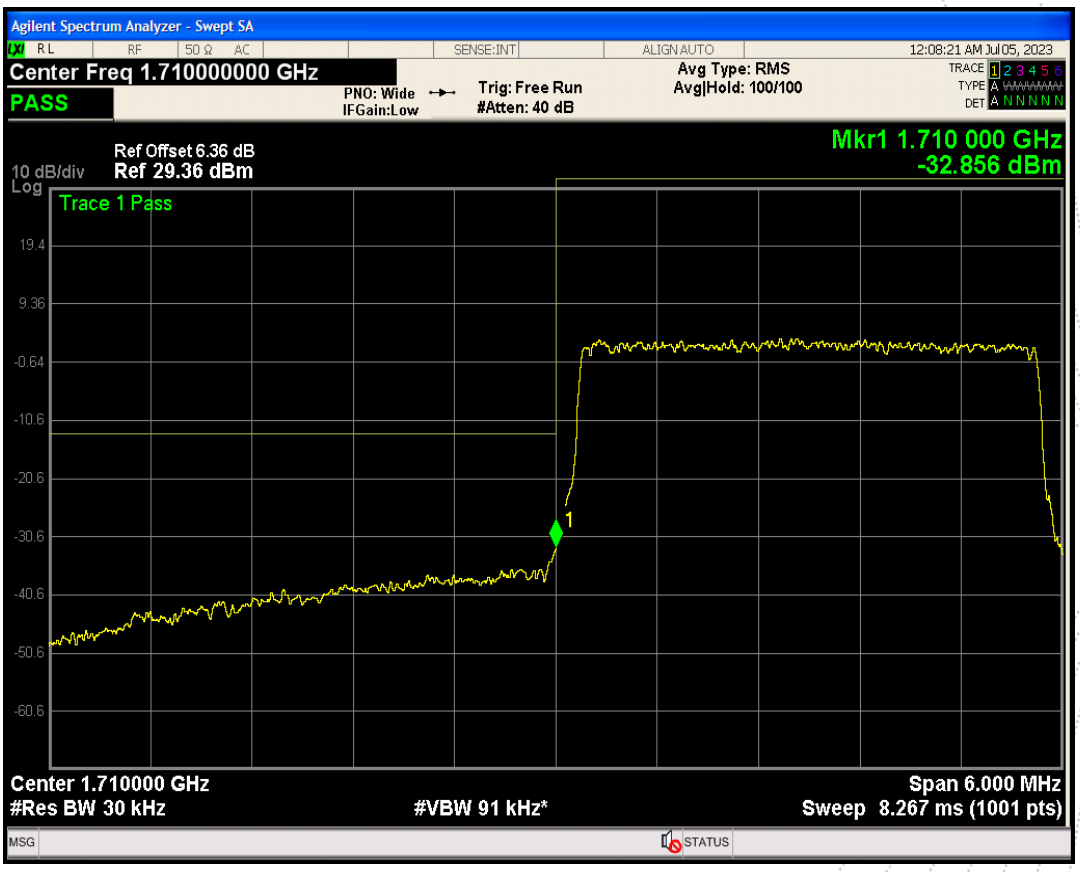
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



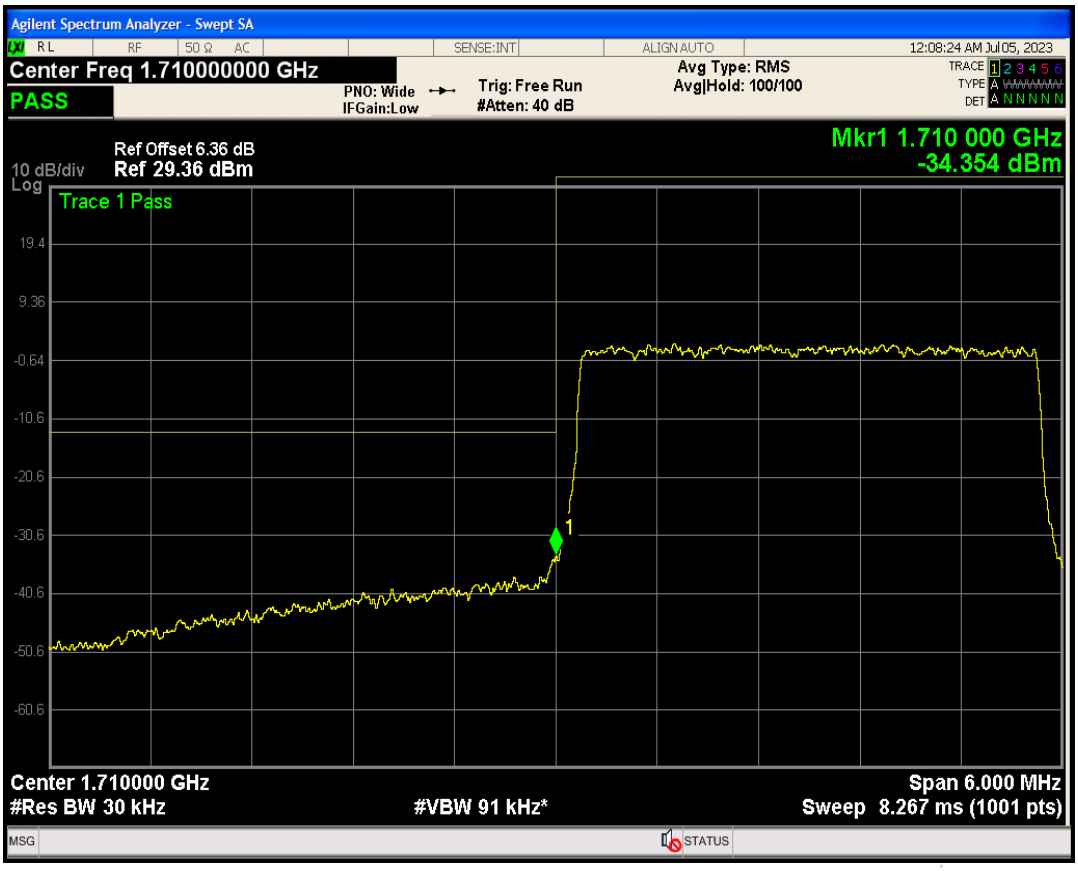
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

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

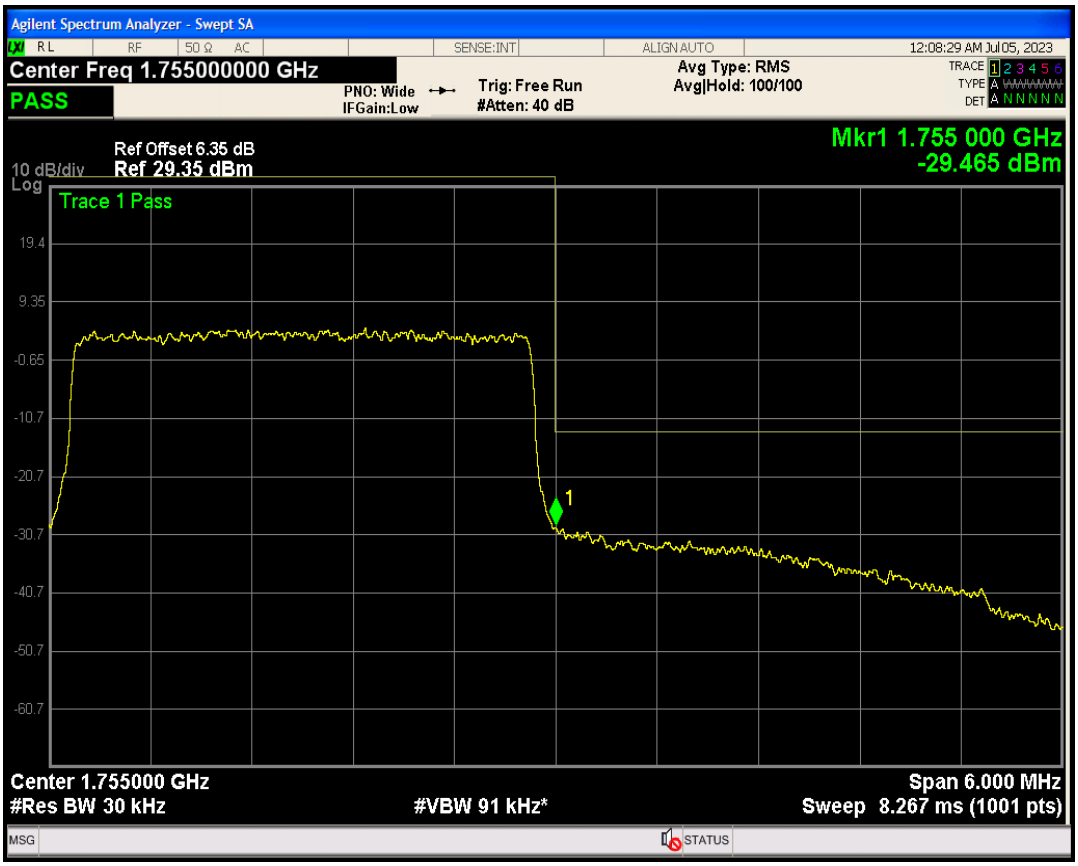
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



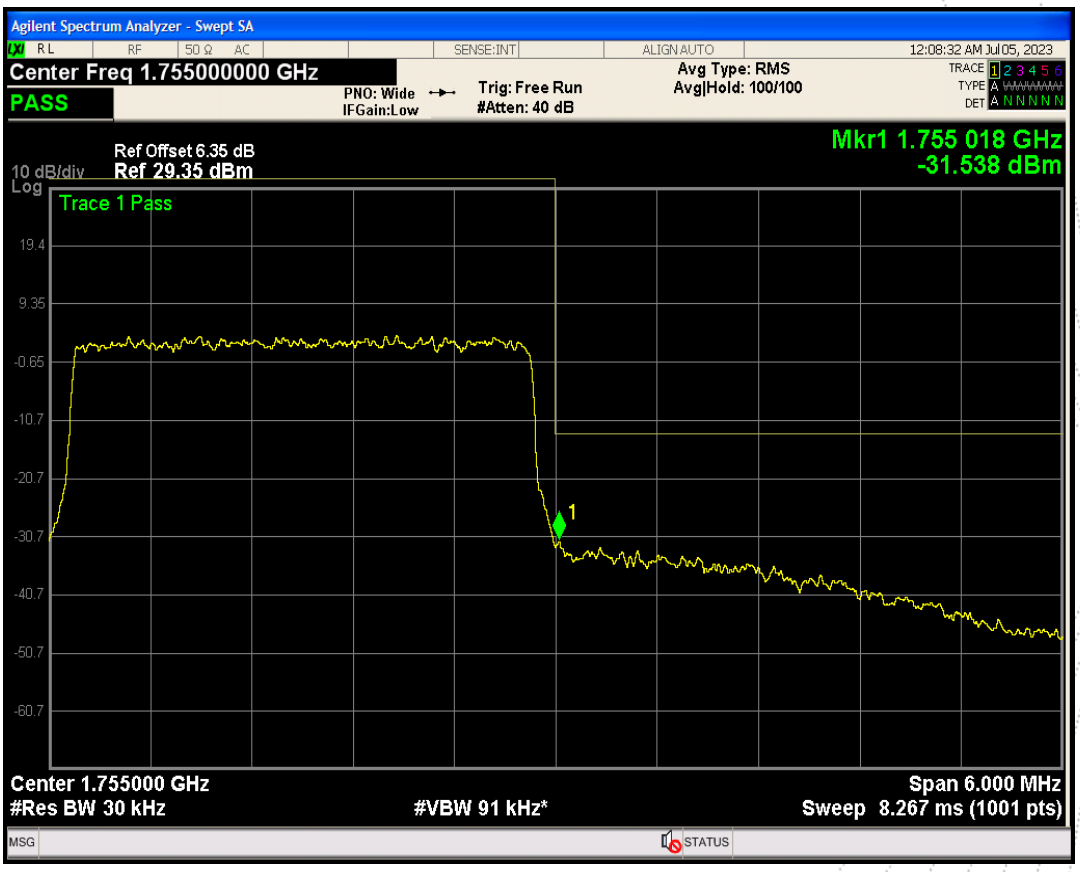
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



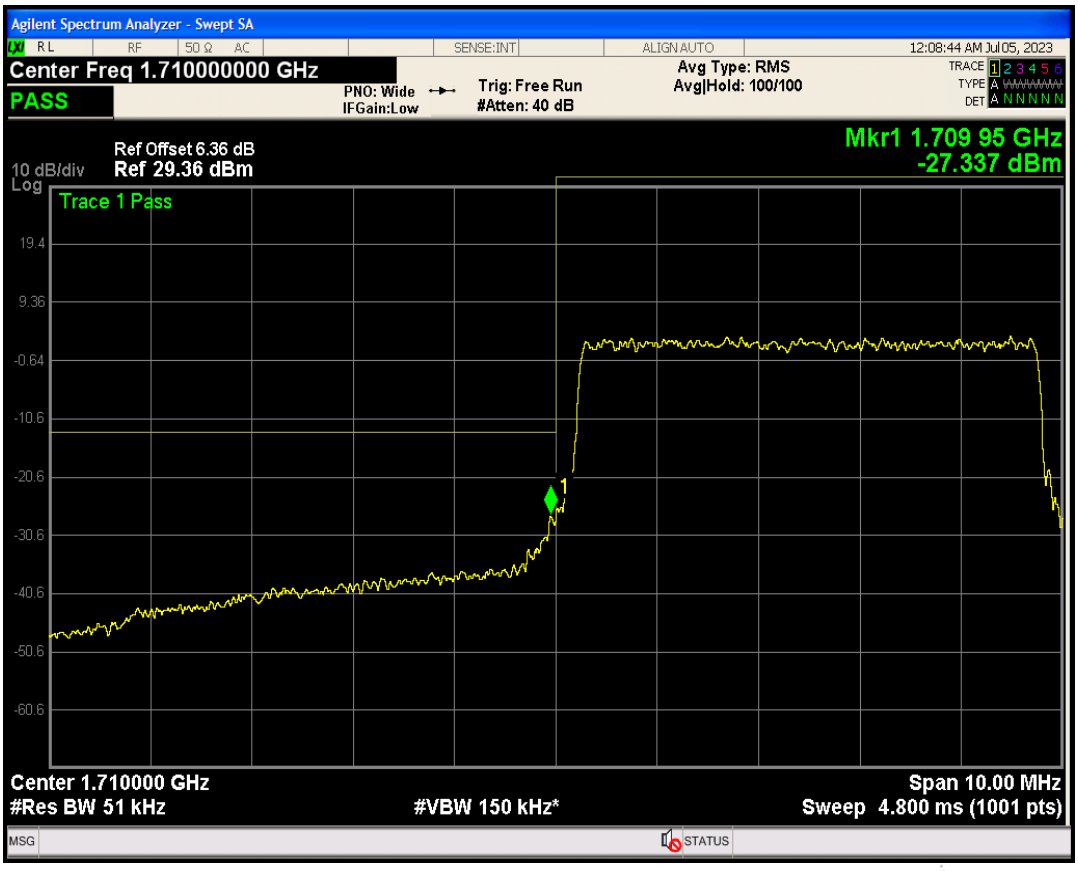
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



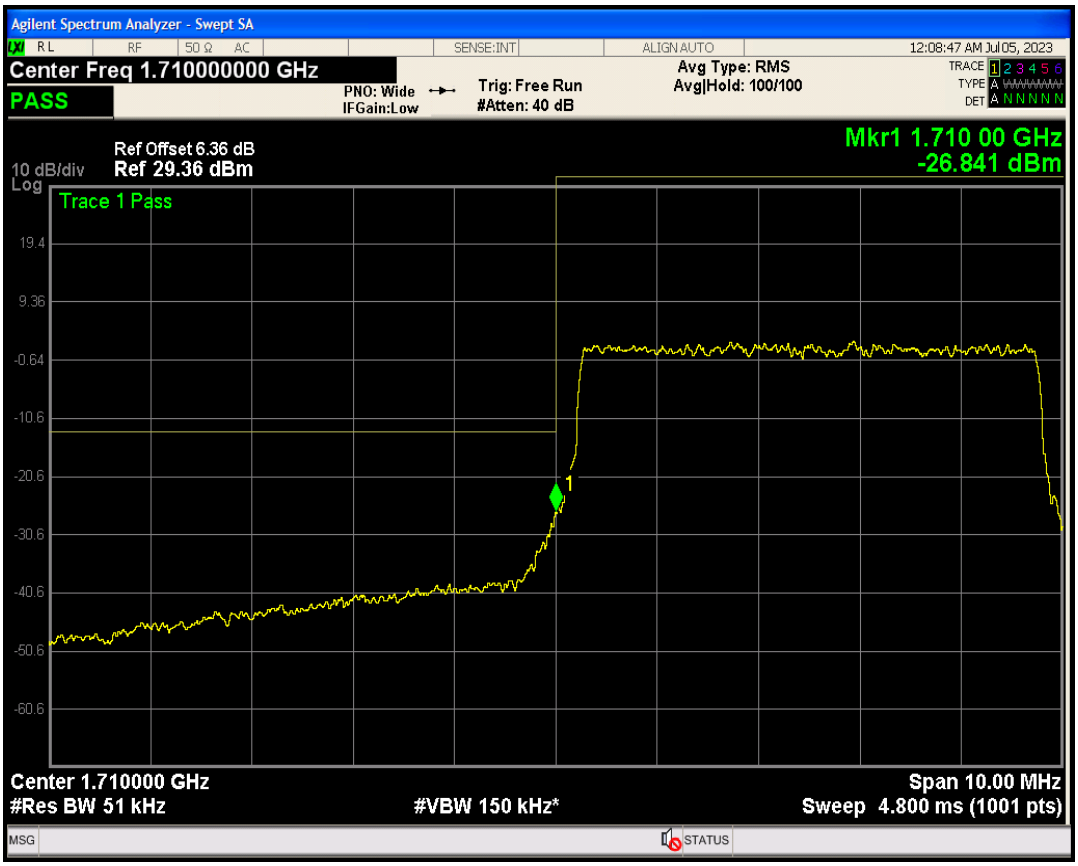
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



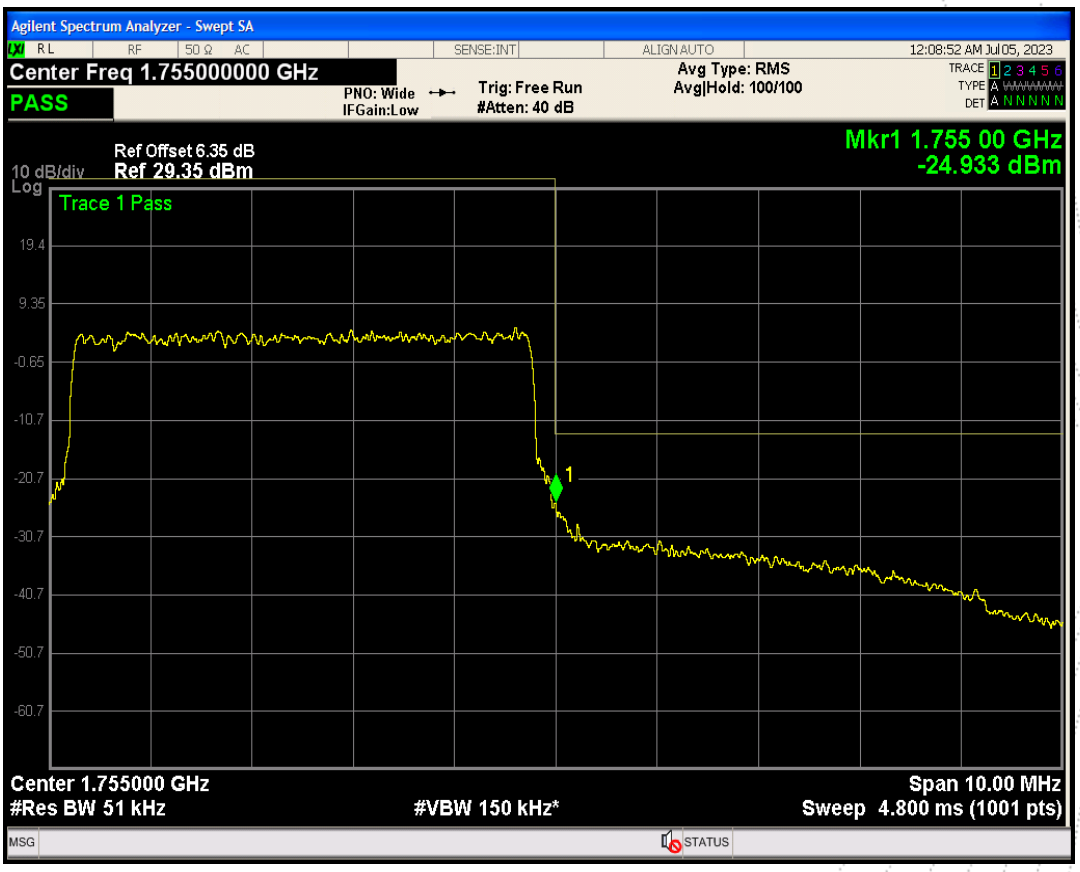
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



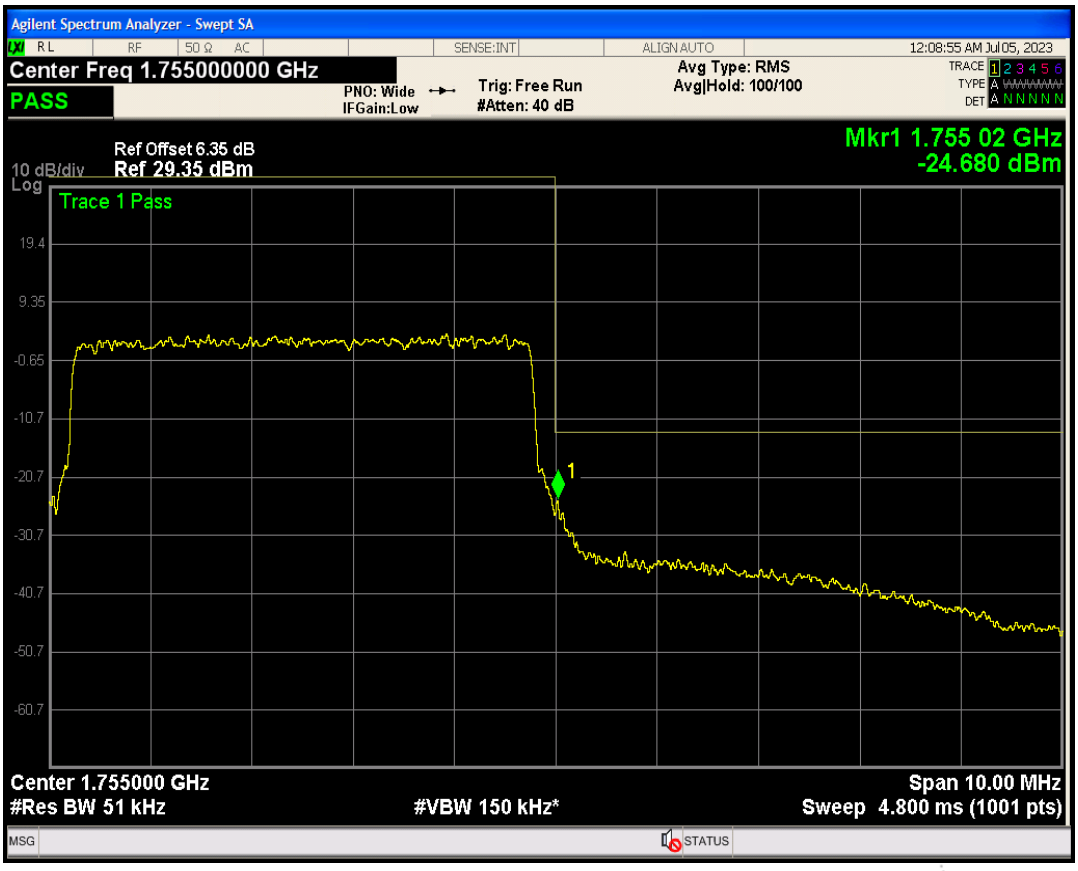
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



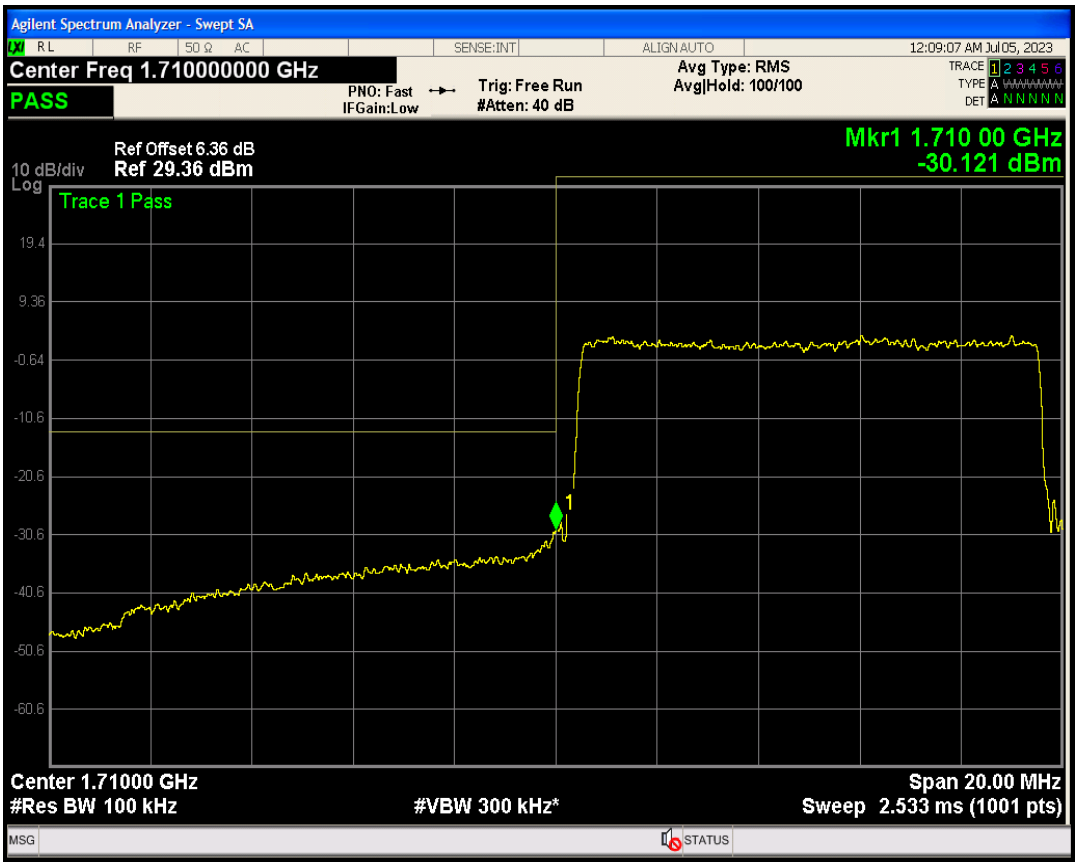
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



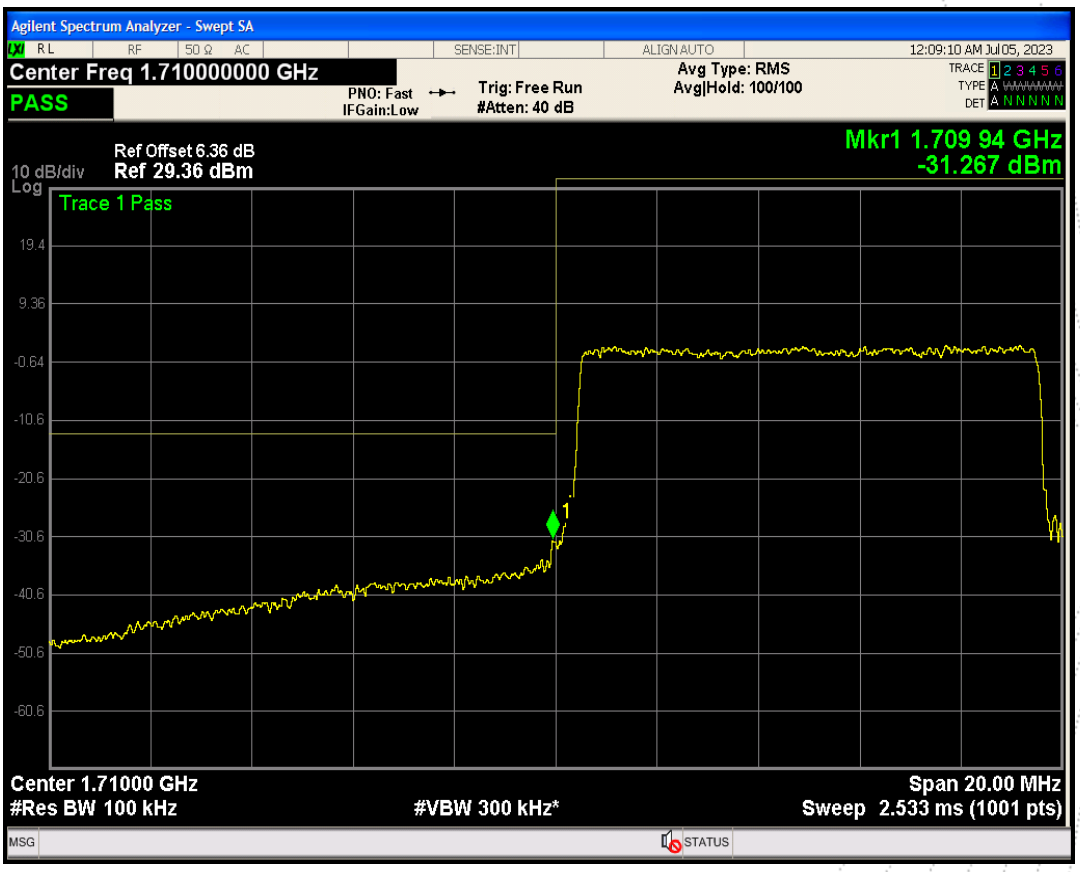
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



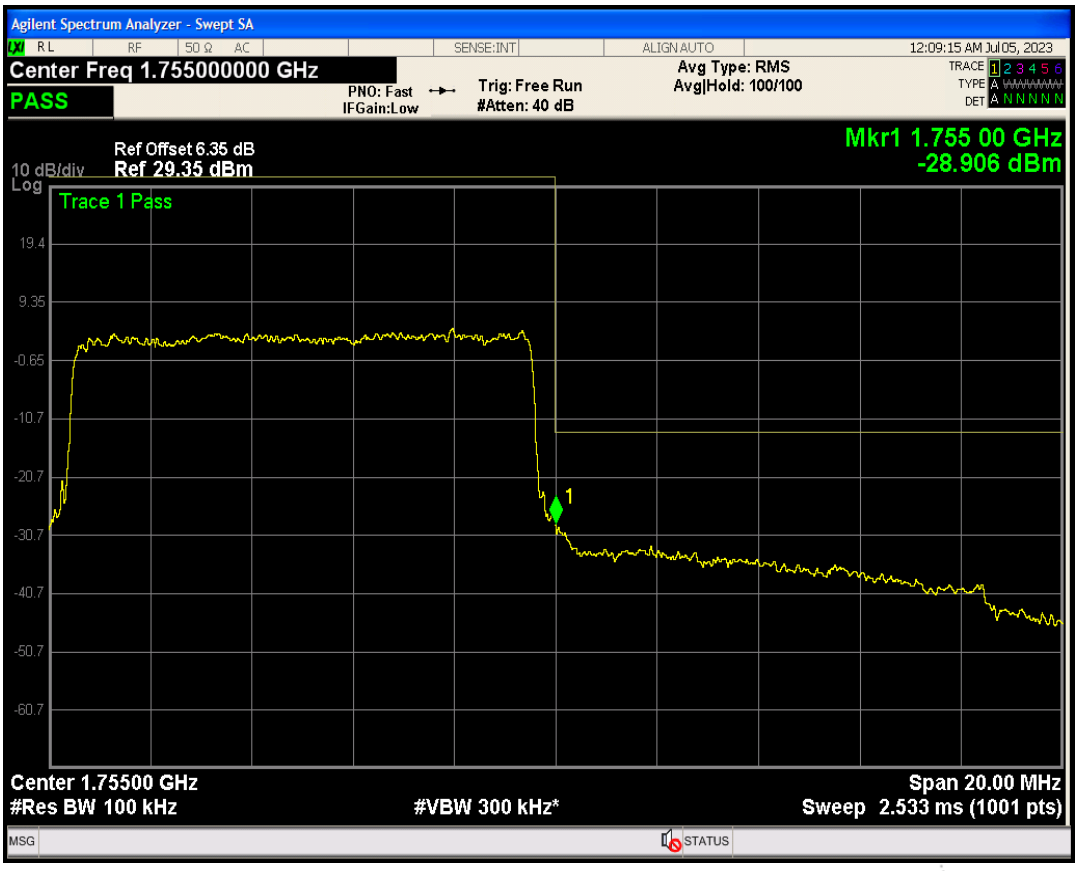
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



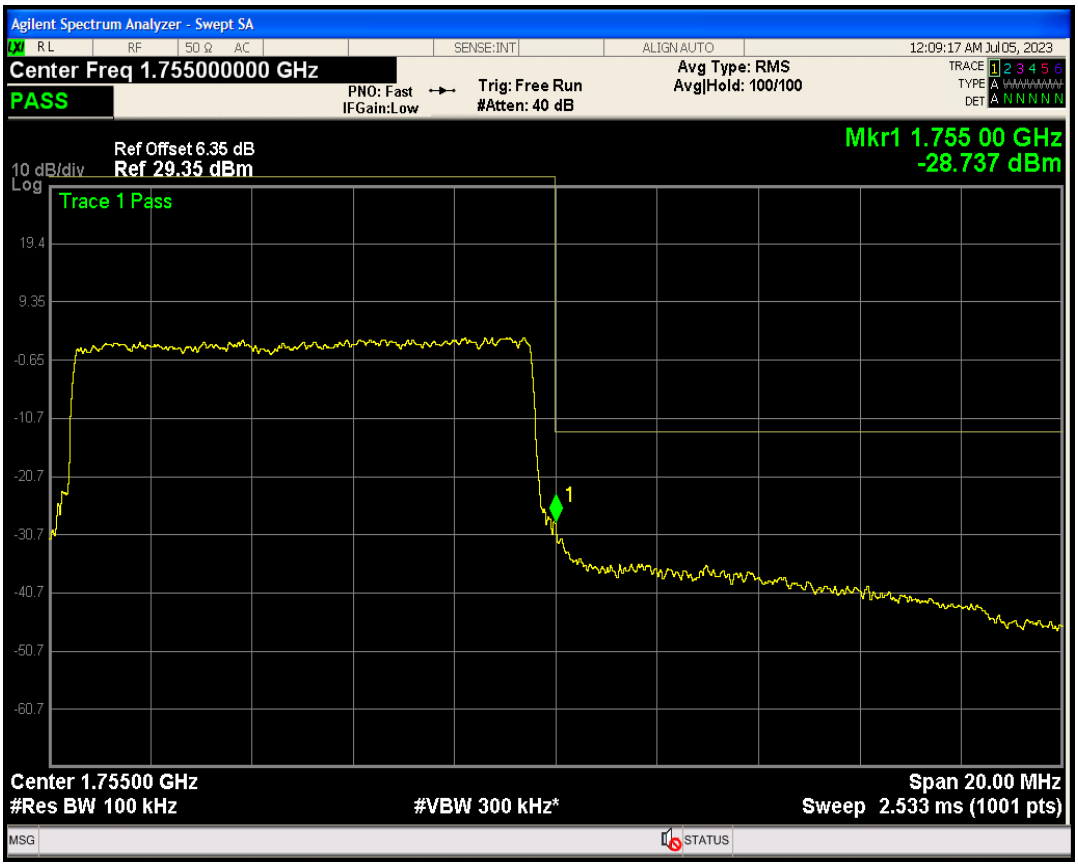
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



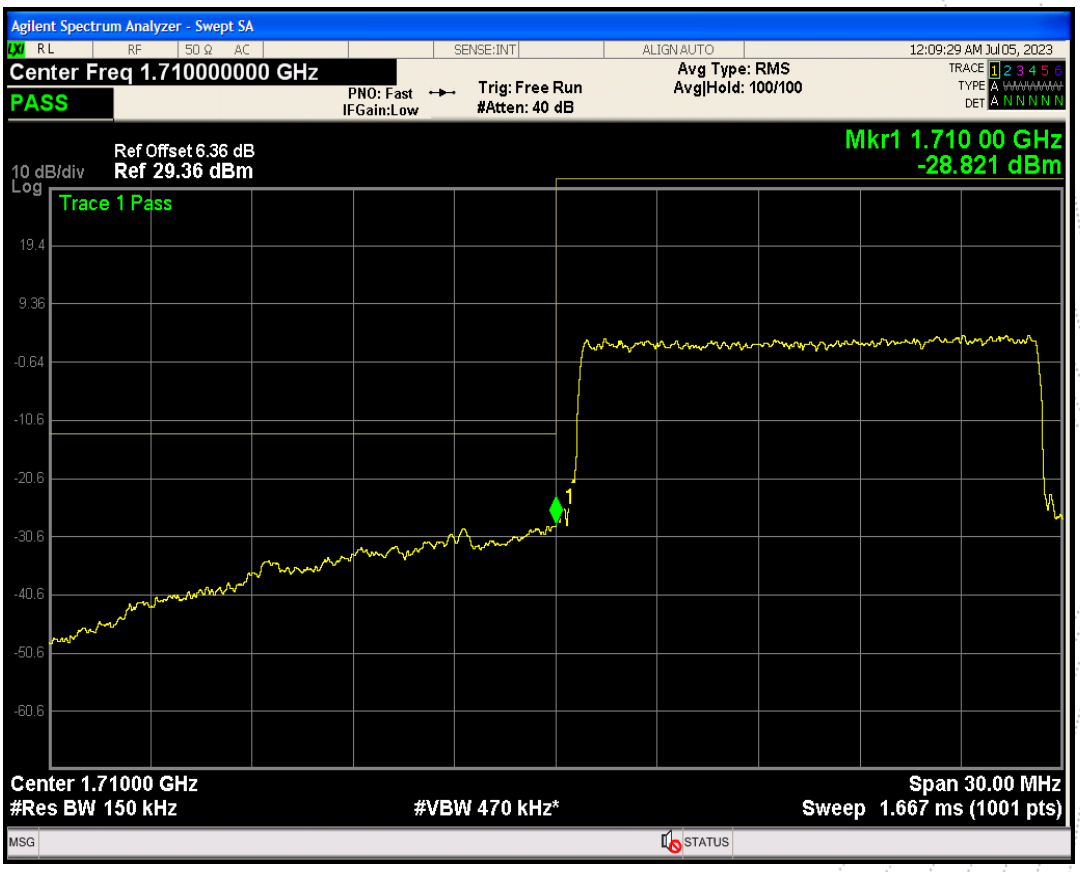
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



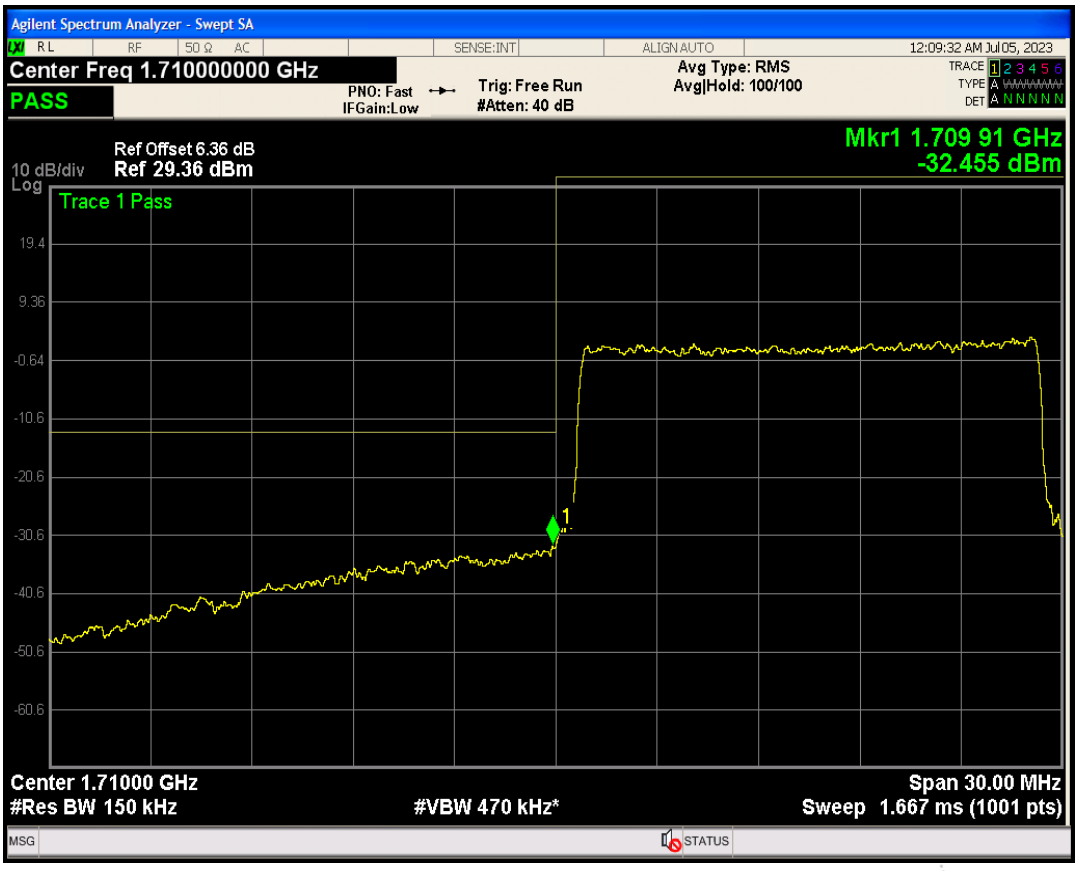
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



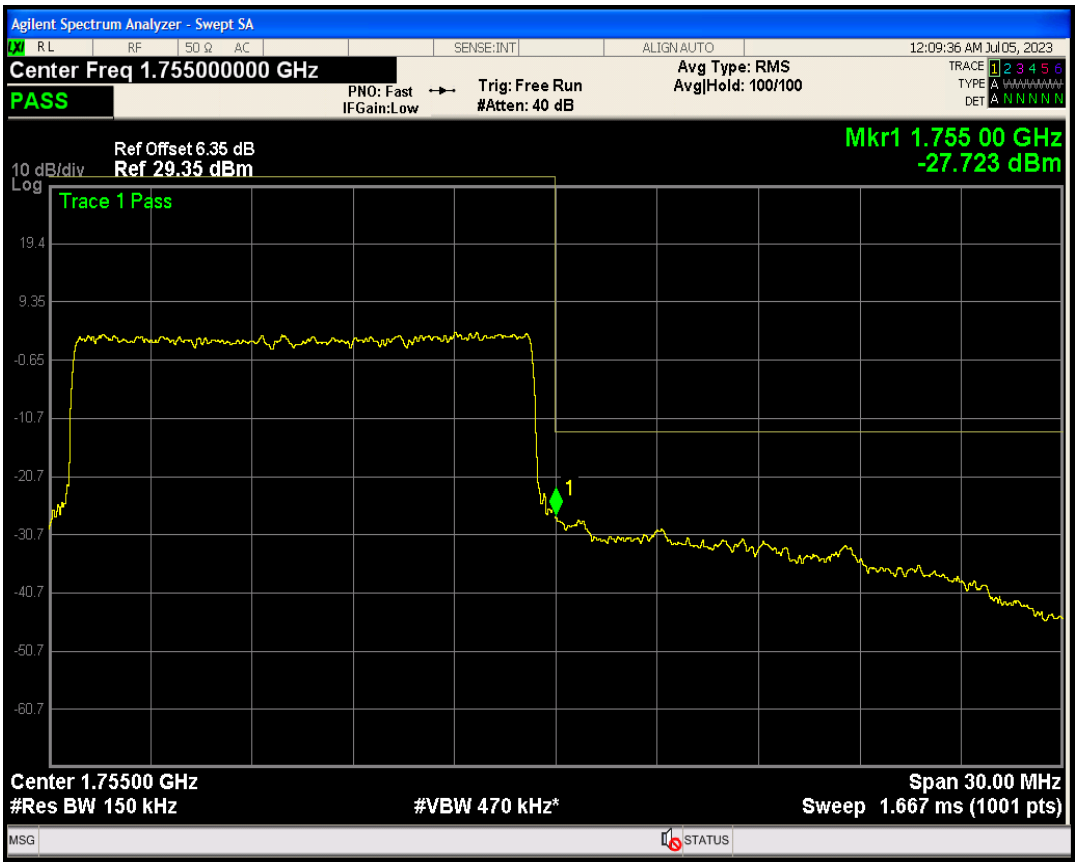
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



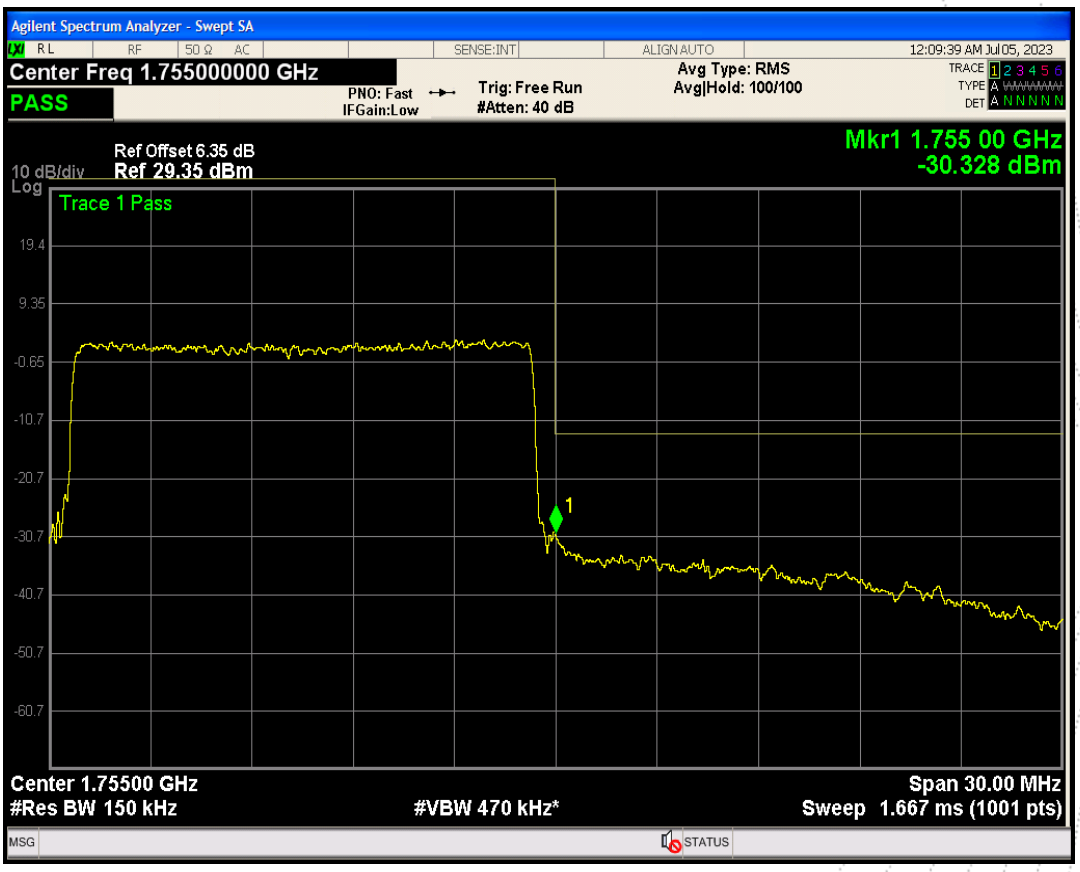
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



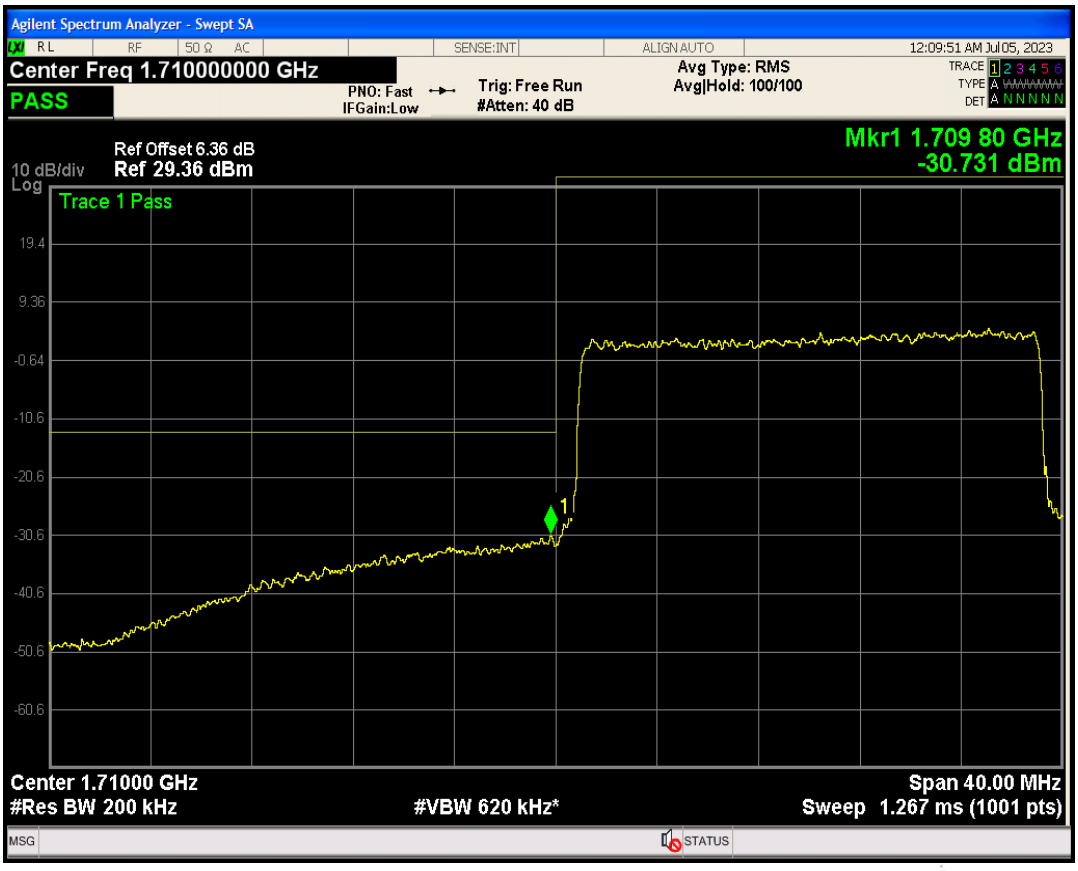
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



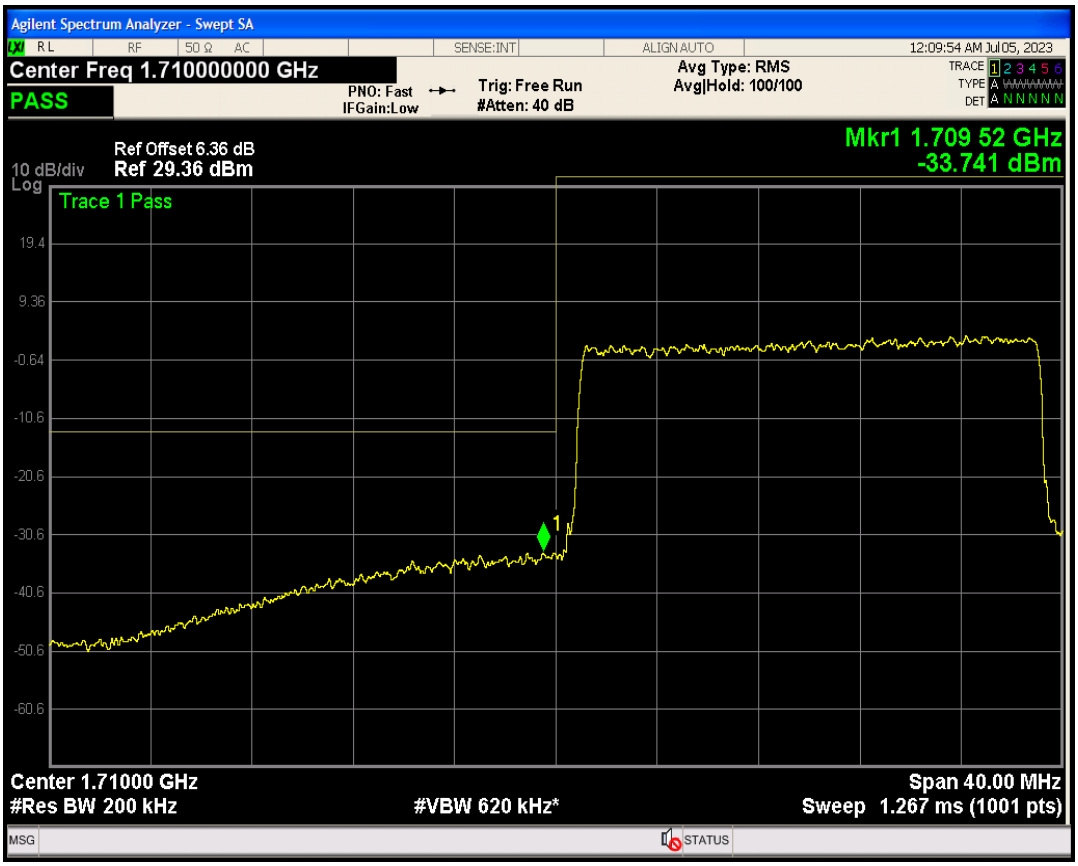
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



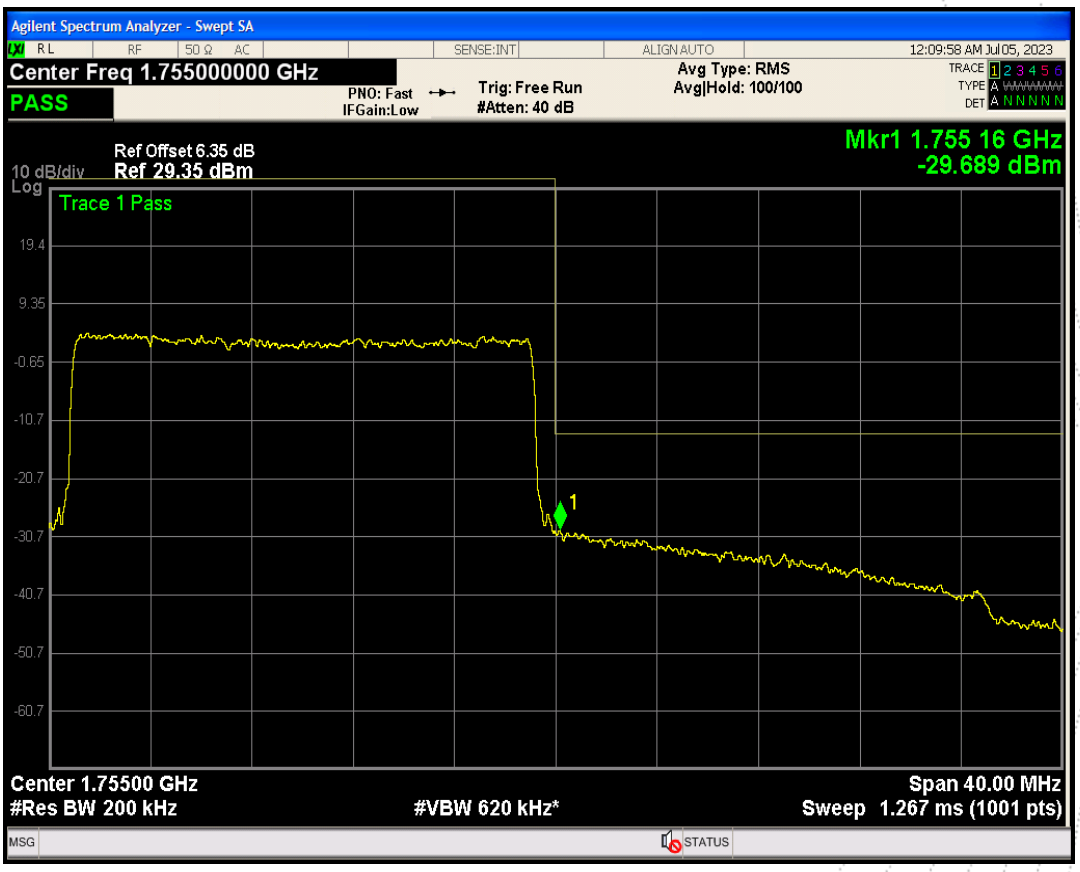
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



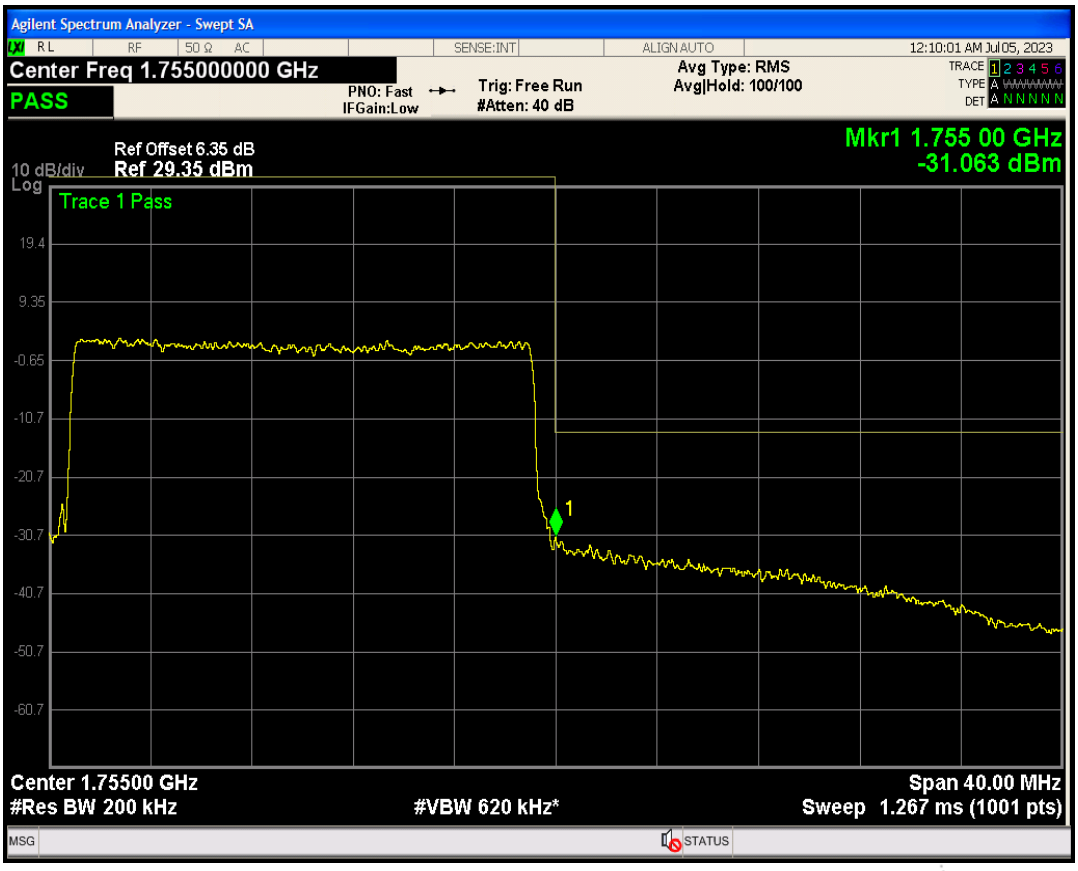
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



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



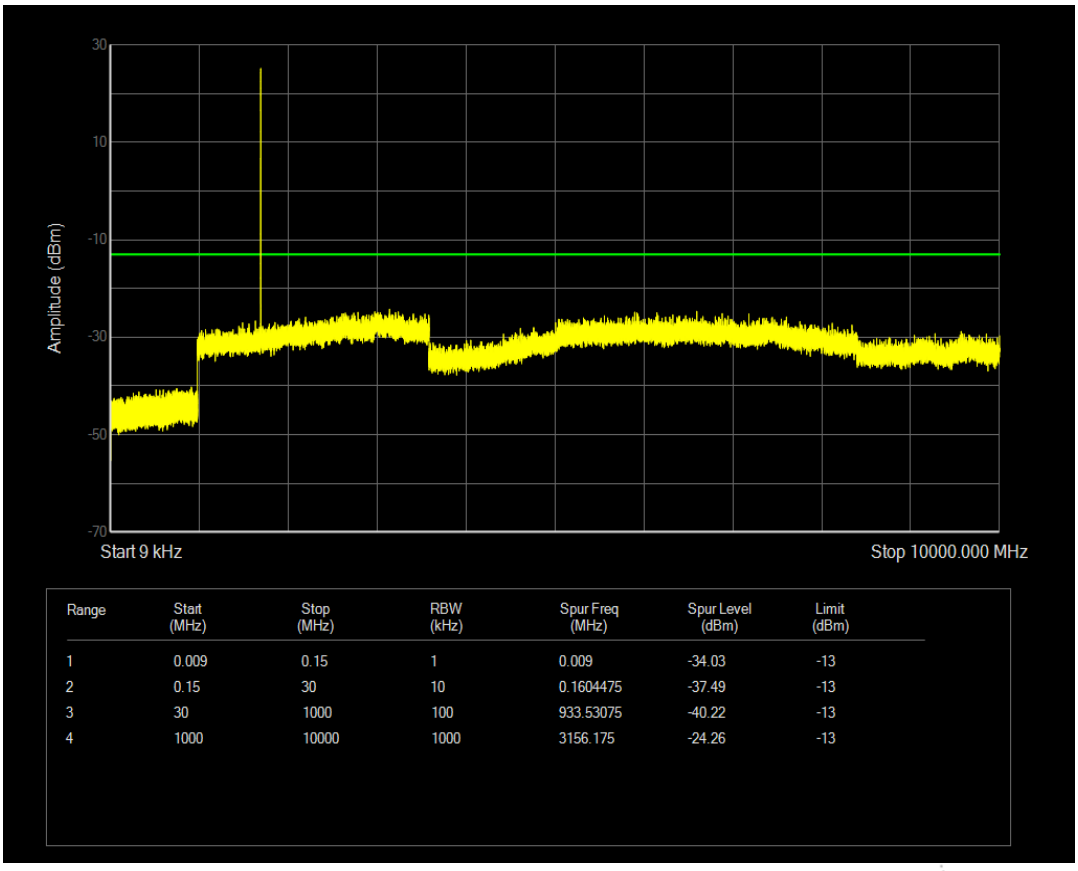
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



Appendix 6. Out-of-band emissions

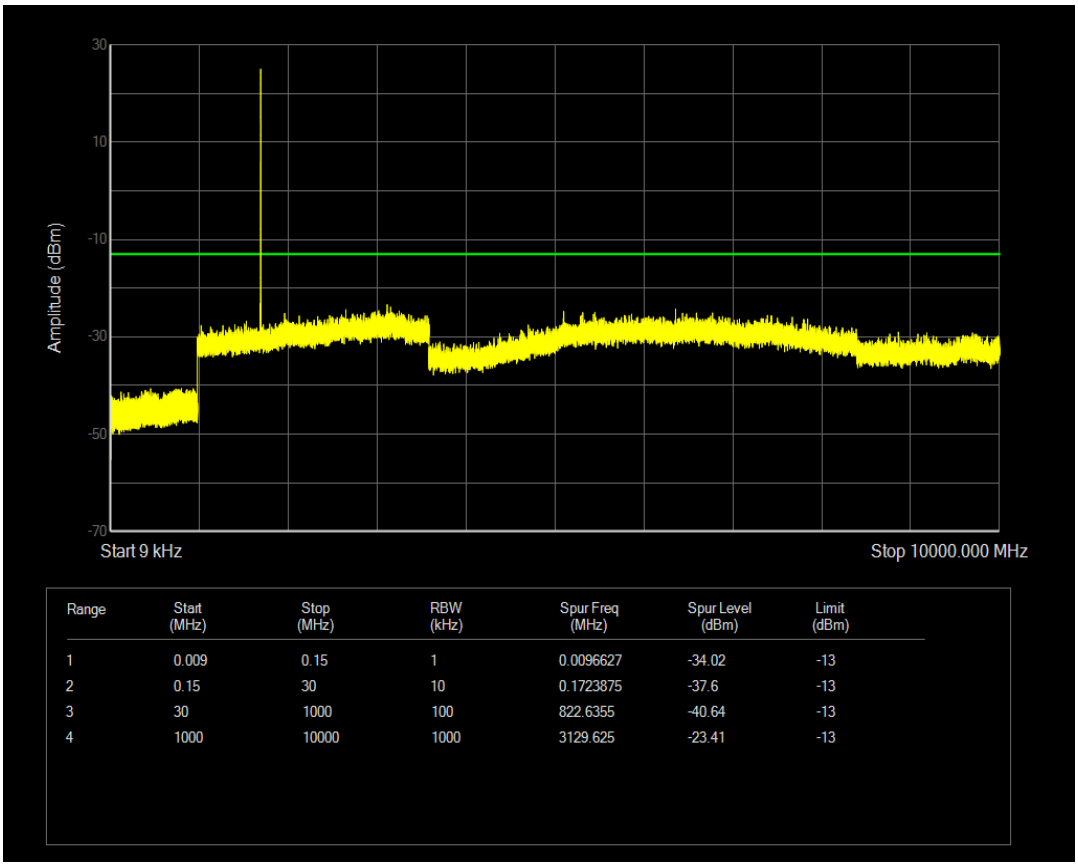
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	3156.18	-24.26	-13	PASS
Band4	1.4	19957	6	#0	16QAM	3129.63	-23.41	-13	PASS
Band4	1.4	20175	6	#0	QPSK	2620.23	-23.85	-13	PASS
Band4	1.4	20175	6	#0	16QAM	2988.78	-23.89	-13	PASS
Band4	1.4	20393	6	#0	QPSK	3193.75	-23.53	-13	PASS
Band4	1.4	20393	6	#0	16QAM	3153.70	-24.04	-13	PASS
Band4	3	19965	15	#0	QPSK	3040.30	-24.12	-13	PASS
Band4	3	19965	15	#0	16QAM	3062.58	-23.82	-13	PASS
Band4	3	20175	15	#0	QPSK	3141.78	-23.96	-13	PASS
Band4	3	20175	15	#0	16QAM	7477.75	-23.75	-13	PASS
Band4	3	20385	15	#0	QPSK	3169.90	-24.28	-13	PASS
Band4	3	20385	15	#0	16QAM	3139.08	-23.54	-13	PASS
Band4	5	19975	25	#0	QPSK	3156.18	-23.13	-13	PASS
Band4	5	19975	25	#0	16QAM	2669.50	-24.04	-13	PASS
Band4	5	20175	25	#0	QPSK	2979.33	-23.44	-13	PASS
Band4	5	20175	25	#0	16QAM	3011.05	-22.63	-13	PASS
Band4	5	20375	25	#0	QPSK	3041.43	-24.14	-13	PASS
Band4	5	20375	25	#0	16QAM	3051.55	-22.91	-13	PASS
Band4	10	20000	50	#0	QPSK	3182.28	-23.57	-13	PASS
Band4	10	20000	50	#0	16QAM	3177.10	-23.95	-13	PASS
Band4	10	20175	50	#0	QPSK	3019.60	-24.06	-13	PASS
Band4	10	20175	50	#0	16QAM	3040.30	-23.40	-13	PASS
Band4	10	20350	50	#0	QPSK	2526.18	-24.40	-13	PASS
Band4	10	20350	50	#0	16QAM	3010.60	-23.34	-13	PASS
Band4	15	20025	75	#0	QPSK	3051.10	-24.03	-13	PASS
Band4	15	20025	75	#0	16QAM	3328.53	-23.91	-13	PASS
Band4	15	20175	75	#0	QPSK	3307.38	-23.46	-13	PASS
Band4	15	20175	75	#0	16QAM	3002.28	-23.90	-13	PASS
Band4	15	20325	75	#0	QPSK	3000.25	-23.65	-13	PASS
Band4	15	20325	75	#0	16QAM	3158.20	-24.40	-13	PASS
Band4	20	20050	100	#0	QPSK	6189.85	-22.98	-13	PASS
Band4	20	20050	100	#0	16QAM	6582.03	-24.23	-13	PASS
Band4	20	20175	100	#0	QPSK	3028.83	-23.67	-13	PASS
Band4	20	20175	100	#0	16QAM	3026.13	-23.07	-13	PASS
Band4	20	20300	100	#0	QPSK	3160.45	-24.19	-13	PASS
Band4	20	20300	100	#0	16QAM	3026.80	-23.45	-13	PASS

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



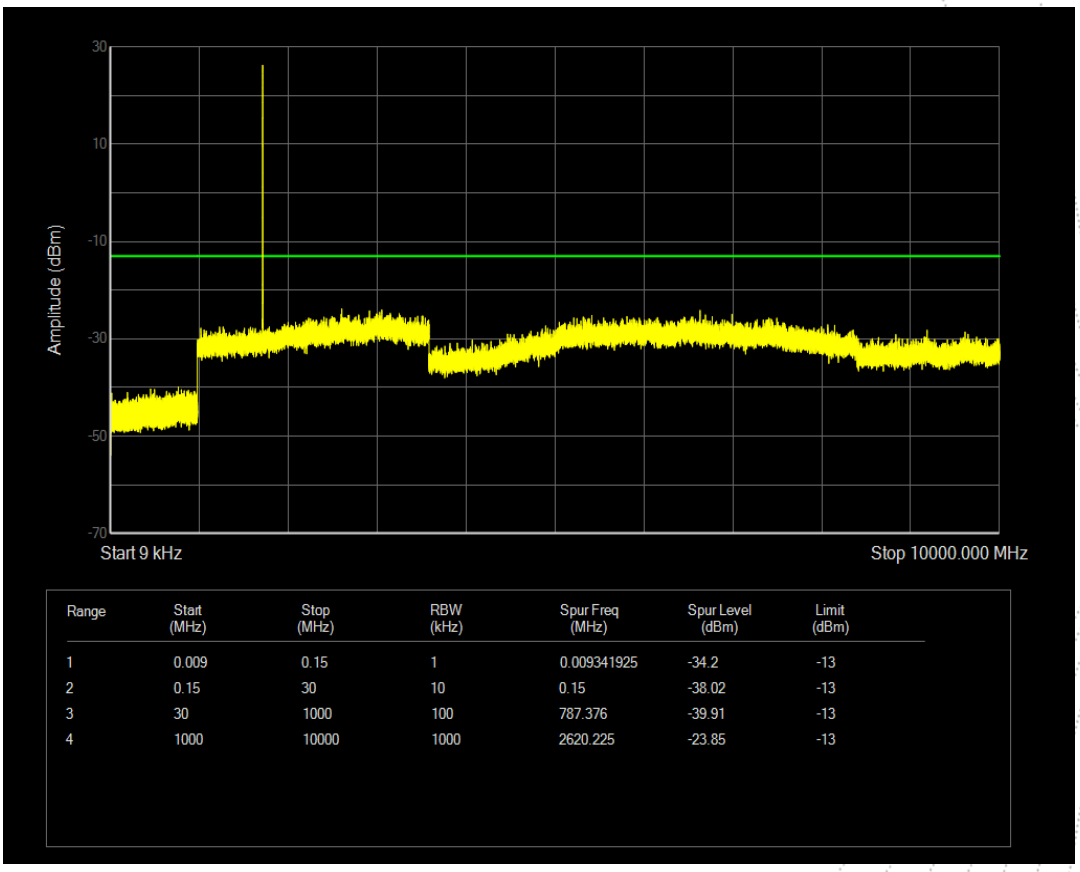
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-34.03	-13
2	0.15	30	10	0.1604475	-37.49	-13
3	30	1000	100	933.53075	-40.22	-13
4	1000	10000	1000	3156.175	-24.26	-13

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



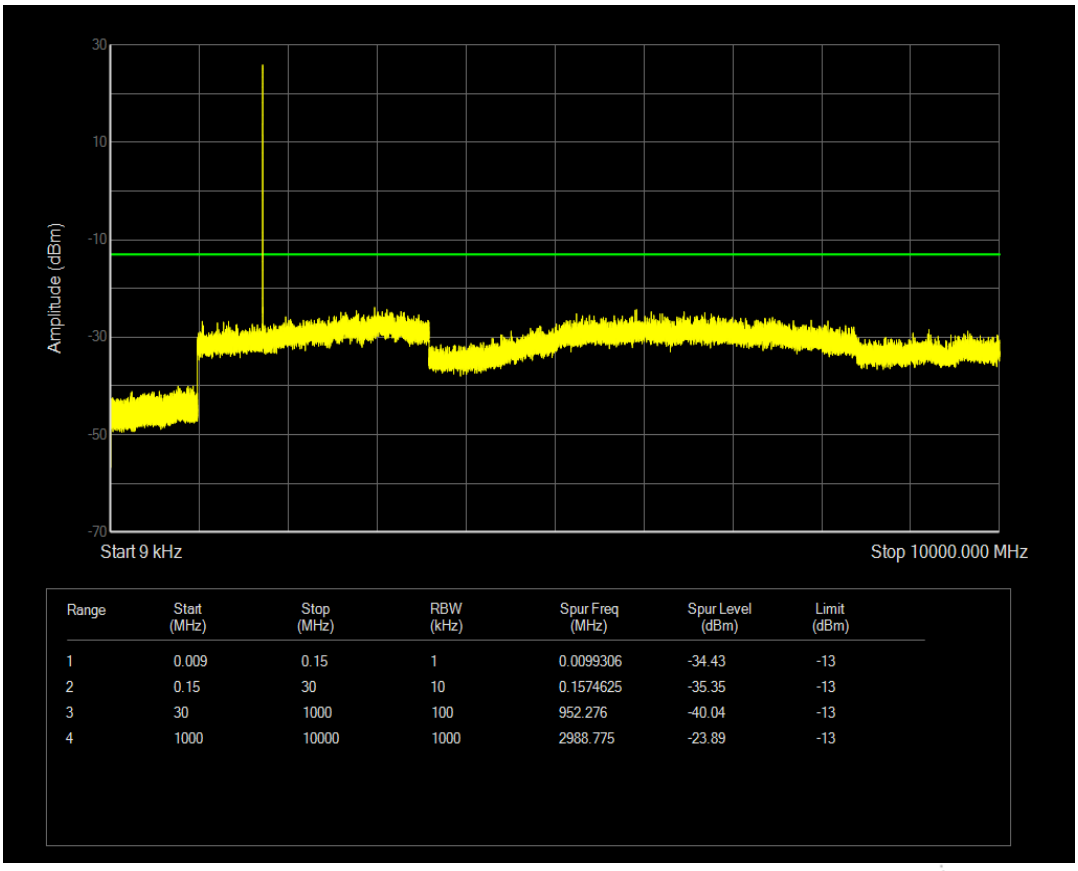
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096627	-34.02	-13
2	0.15	30	10	0.1723875	-37.6	-13
3	30	1000	100	822.6355	-40.64	-13
4	1000	10000	1000	3129.625	-23.41	-13

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



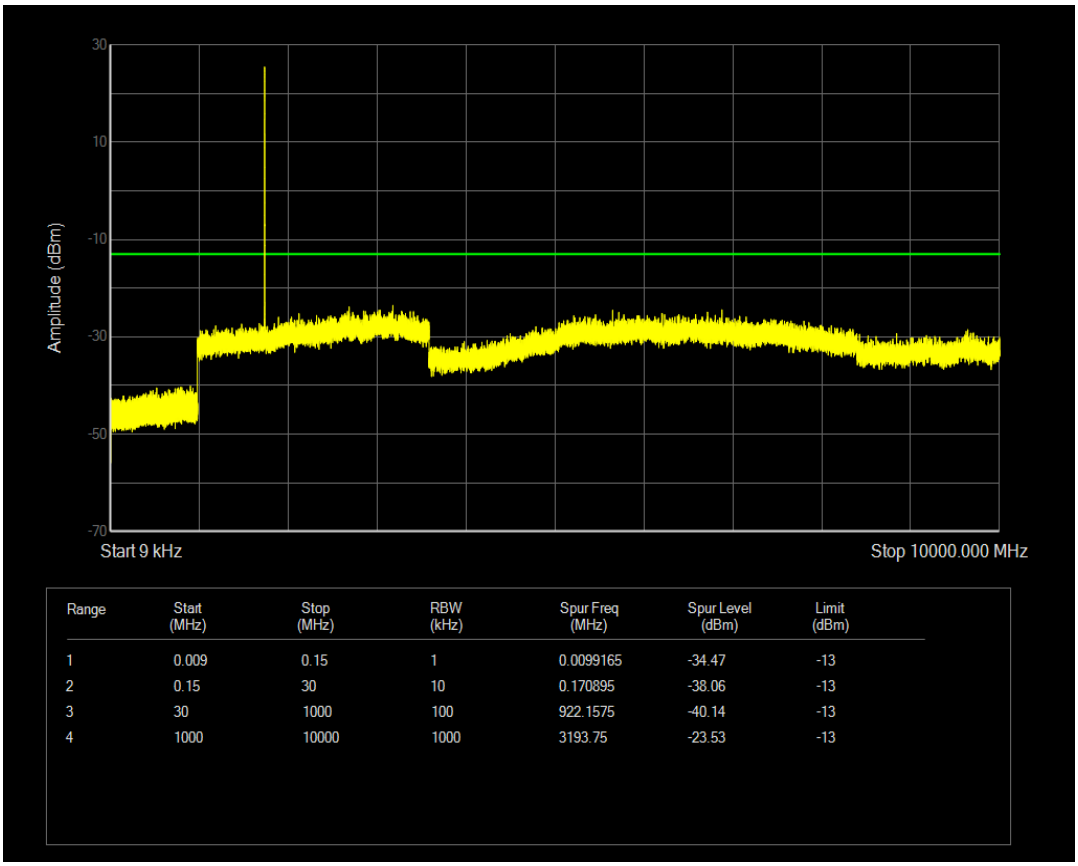
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009341925	-34.2	-13
2	0.15	30	10	0.15	-38.02	-13
3	30	1000	100	787.376	-39.91	-13
4	1000	10000	1000	2620.225	-23.85	-13

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



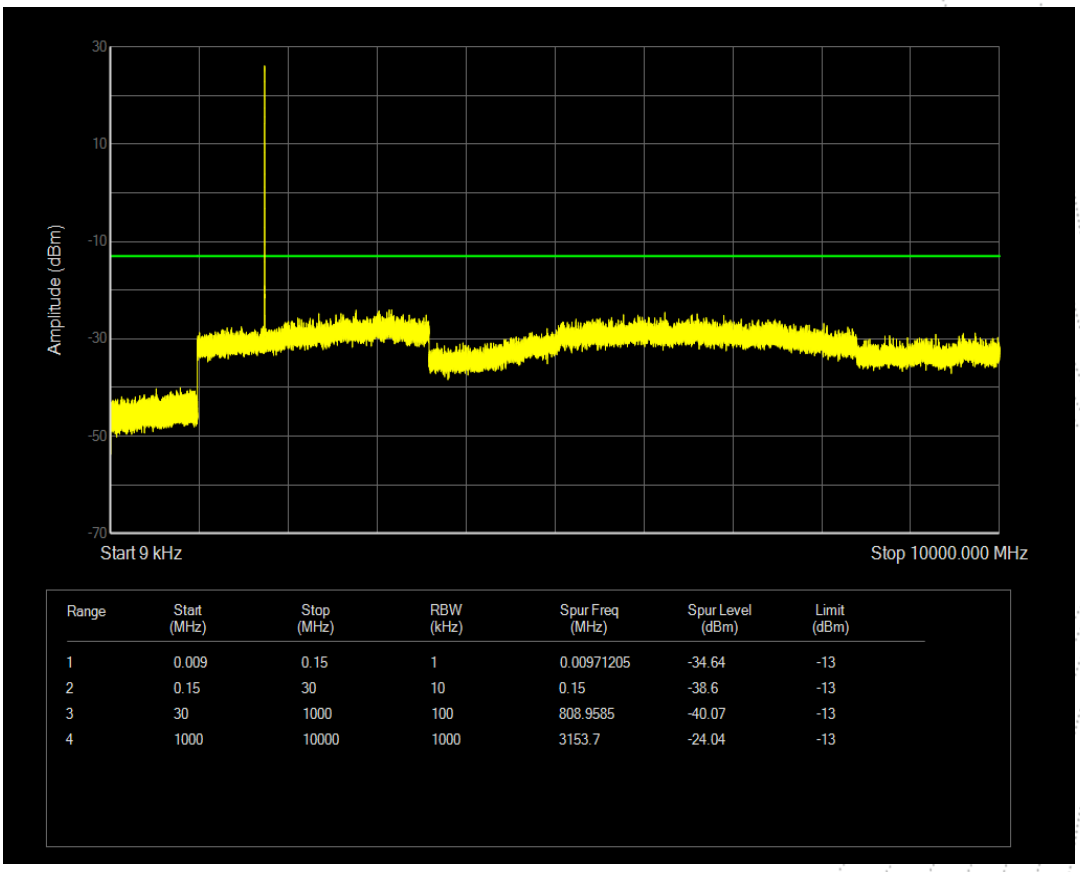
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099306	-34.43	-13
2	0.15	30	10	0.1574625	-35.35	-13
3	30	1000	100	952.276	-40.04	-13
4	1000	10000	1000	2988.775	-23.89	-13

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



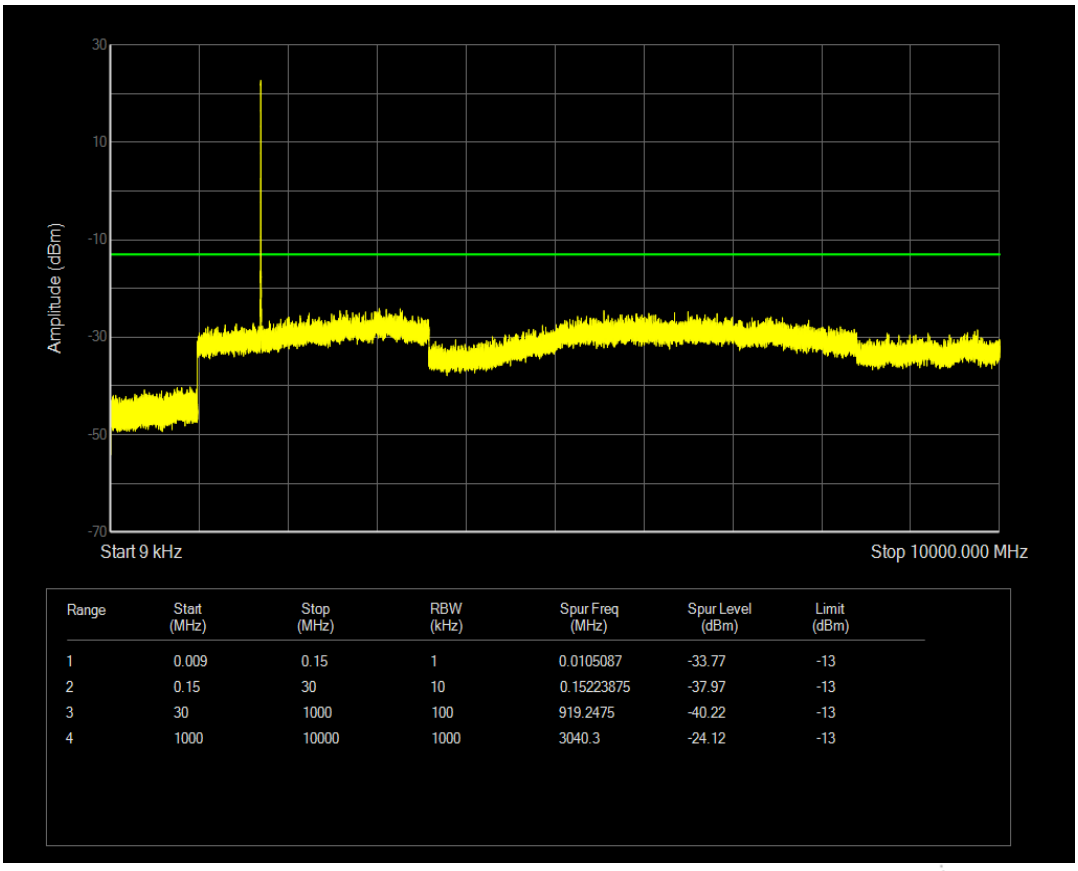
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099165	-34.47	-13
2	0.15	30	10	0.170895	-38.06	-13
3	30	1000	100	922.1575	-40.14	-13
4	1000	10000	1000	3193.75	-23.53	-13

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



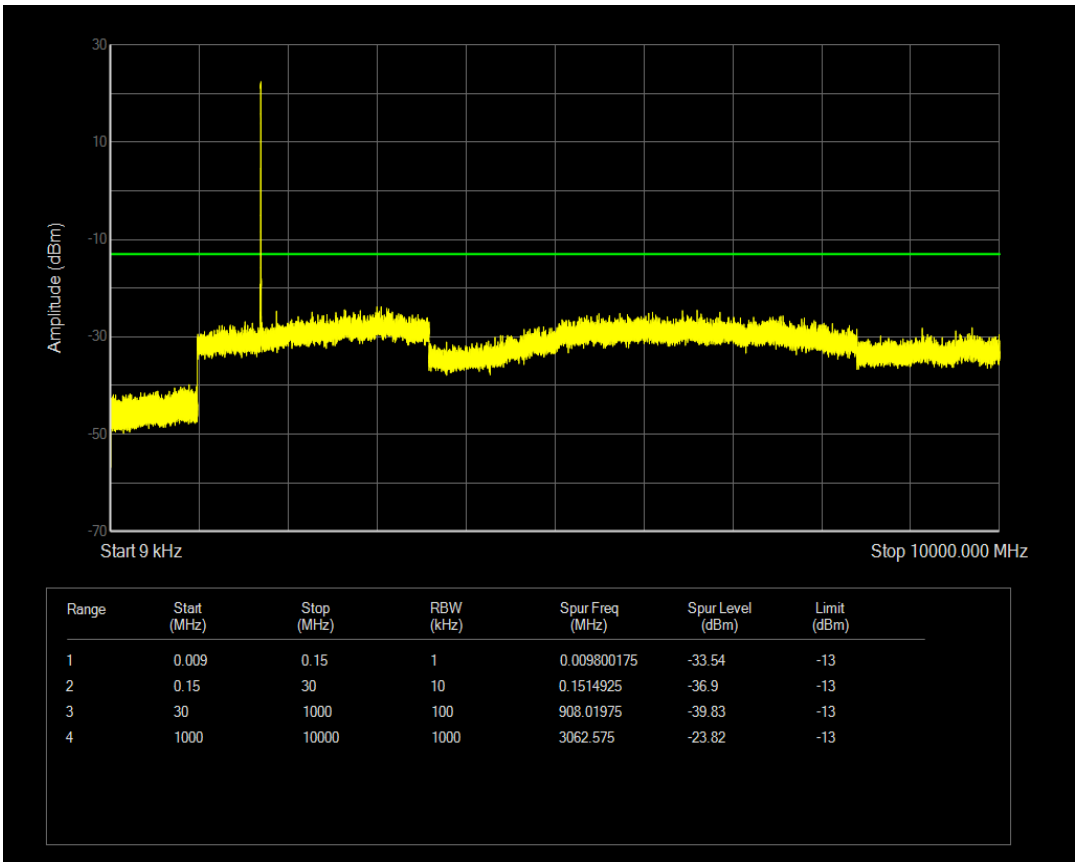
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00971205	-34.64	-13
2	0.15	30	10	0.15	-38.6	-13
3	30	1000	100	808.9585	-40.07	-13
4	1000	10000	1000	3153.7	-24.04	-13

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



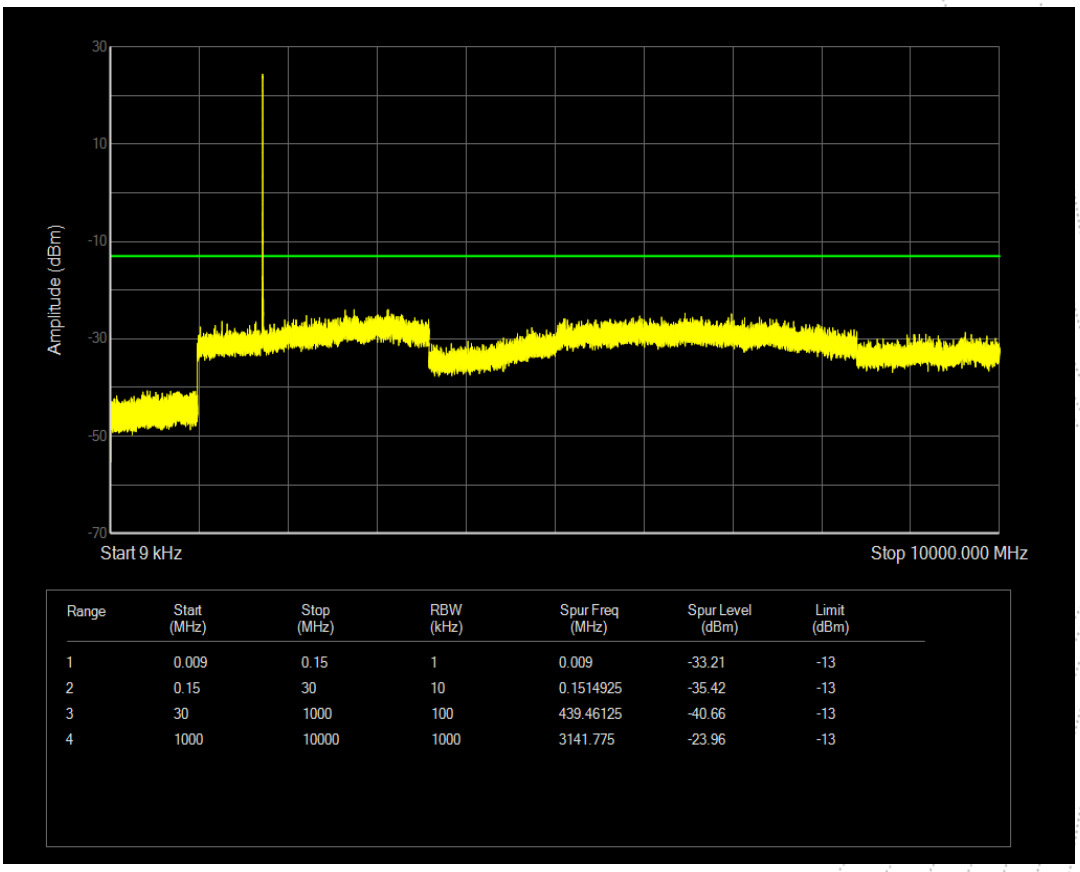
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0105087	-33.77	-13
2	0.15	30	10	0.15223875	-37.97	-13
3	30	1000	100	919.2475	-40.22	-13
4	1000	10000	1000	3040.3	-24.12	-13

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



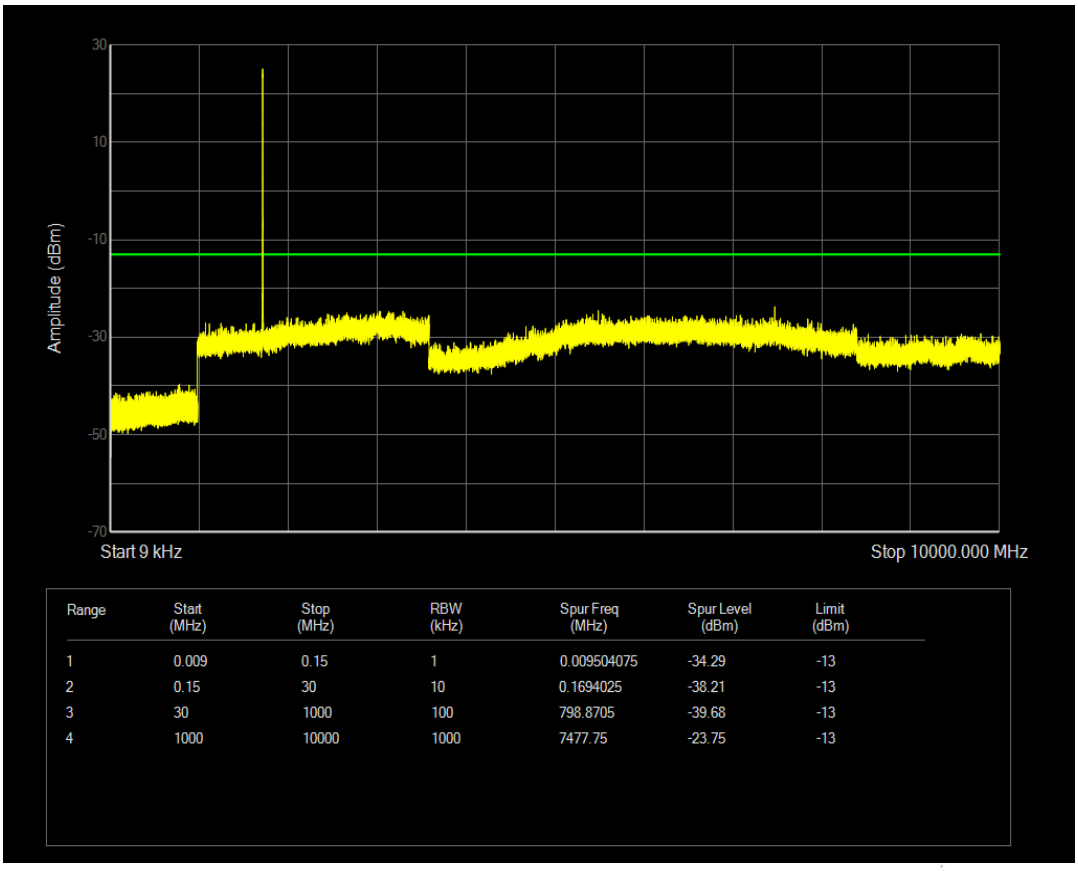
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009800175	-33.54	-13
2	0.15	30	10	0.1514925	-36.9	-13
3	30	1000	100	908.01975	-39.83	-13
4	1000	10000	1000	3062.575	-23.82	-13

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



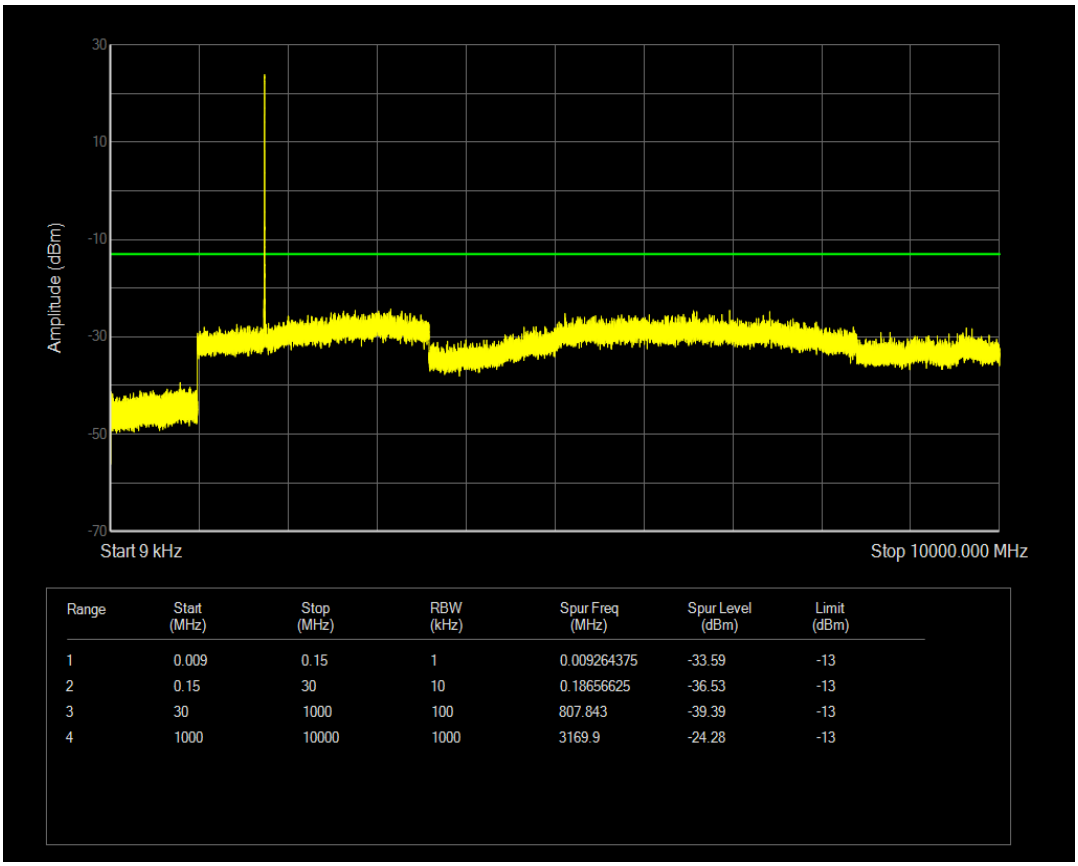
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-33.21	-13
2	0.15	30	10	0.1514925	-35.42	-13
3	30	1000	100	439.46125	-40.66	-13
4	1000	10000	1000	3141.775	-23.96	-13

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



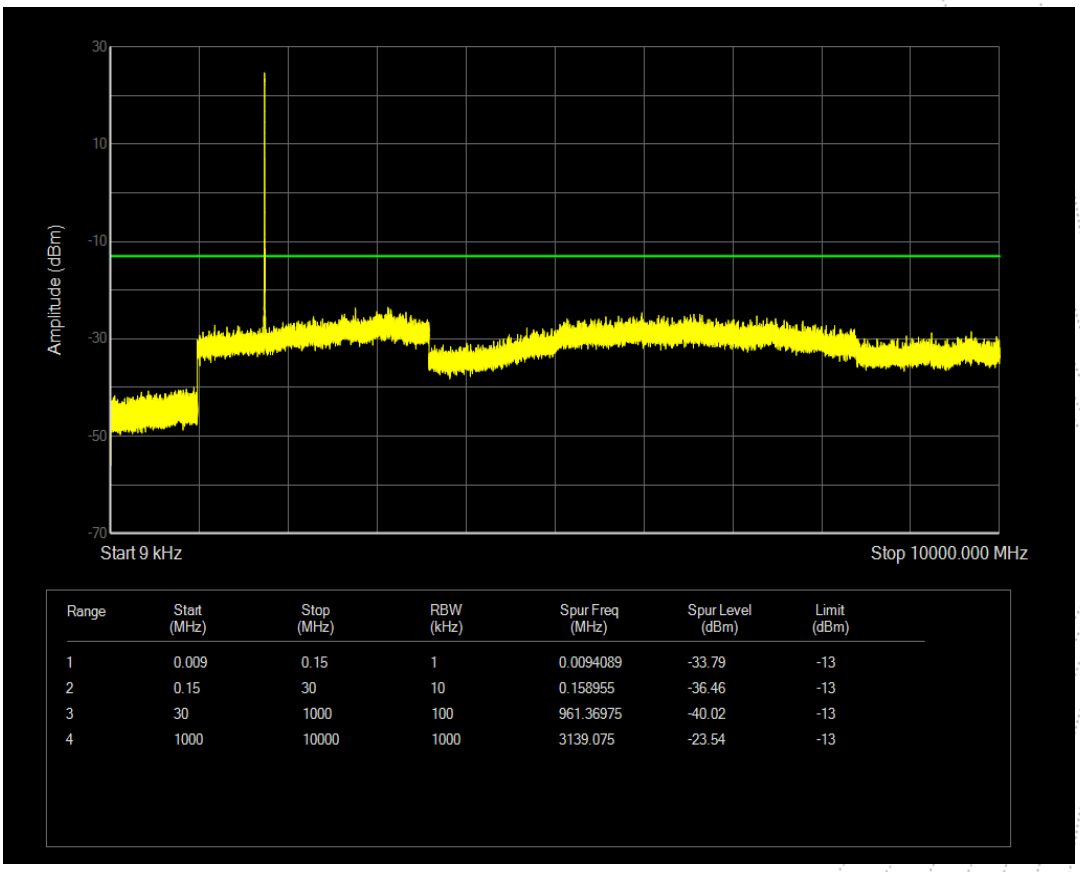
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009504075	-34.29	-13
2	0.15	30	10	0.1694025	-38.21	-13
3	30	1000	100	798.8705	-39.68	-13
4	1000	10000	1000	7477.75	-23.75	-13

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



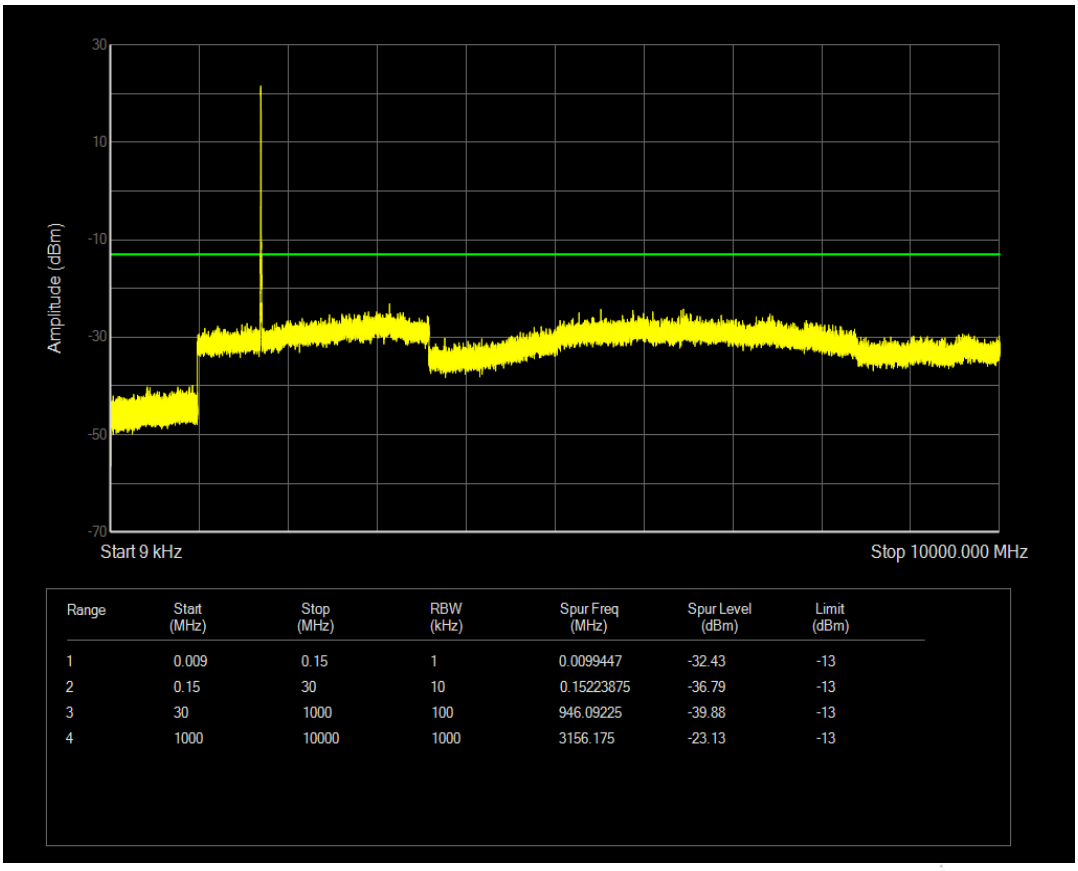
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009264375	-33.59	-13
2	0.15	30	10	0.18656625	-36.53	-13
3	30	1000	100	807.843	-39.39	-13
4	1000	10000	1000	3169.9	-24.28	-13

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



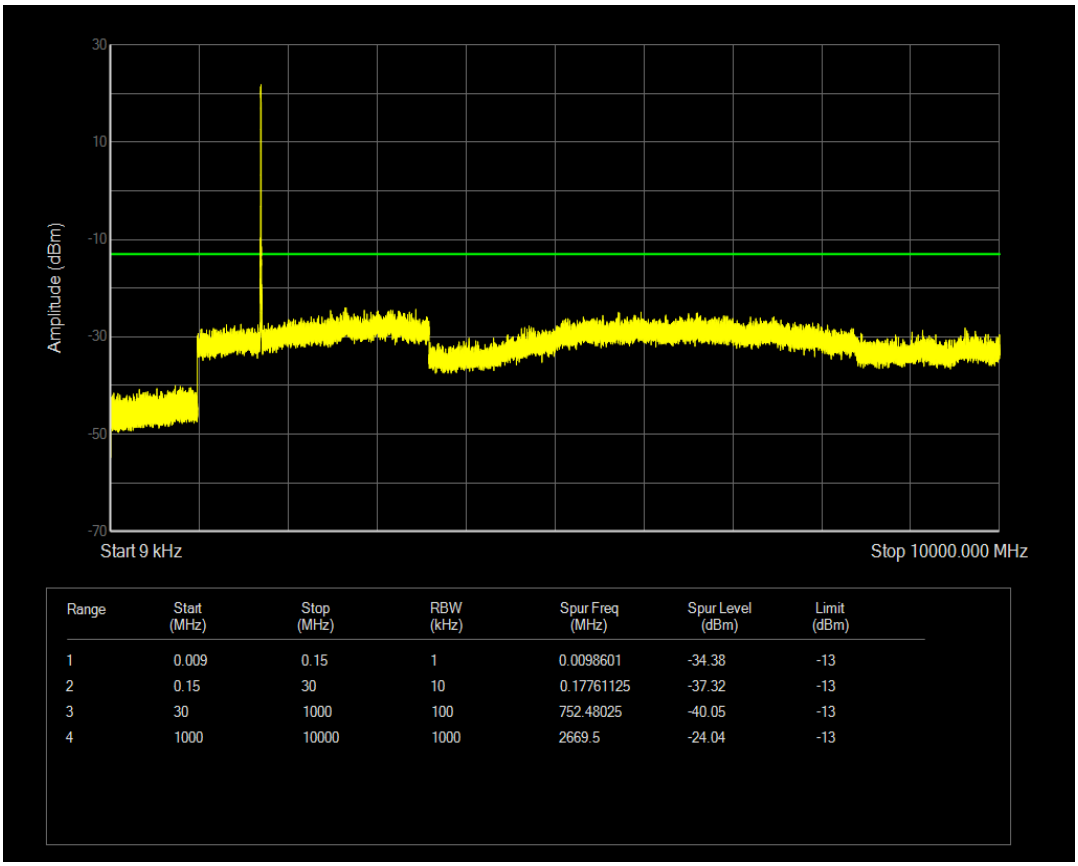
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094089	-33.79	-13
2	0.15	30	10	0.158955	-36.46	-13
3	30	1000	100	961.36975	-40.02	-13
4	1000	10000	1000	3139.075	-23.54	-13

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



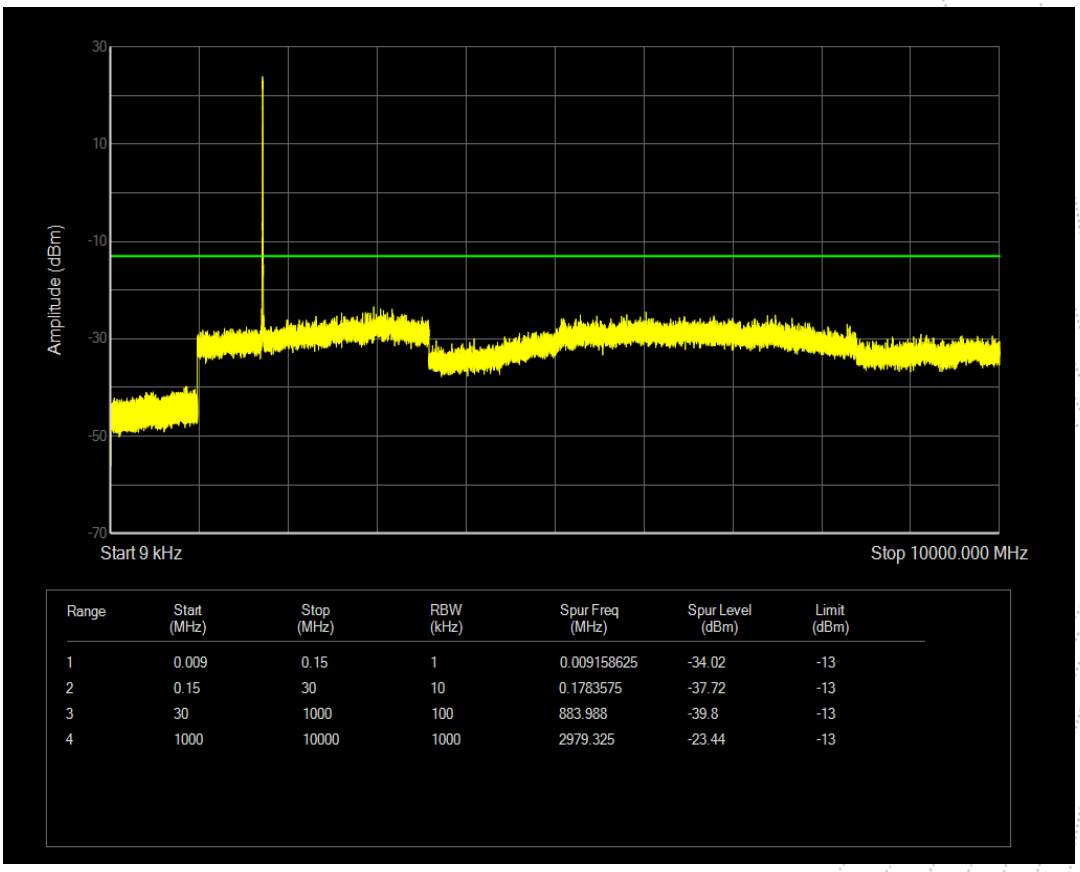
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099447	-32.43	-13
2	0.15	30	10	0.15223875	-36.79	-13
3	30	1000	100	946.09225	-39.88	-13
4	1000	10000	1000	3156.175	-23.13	-13

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



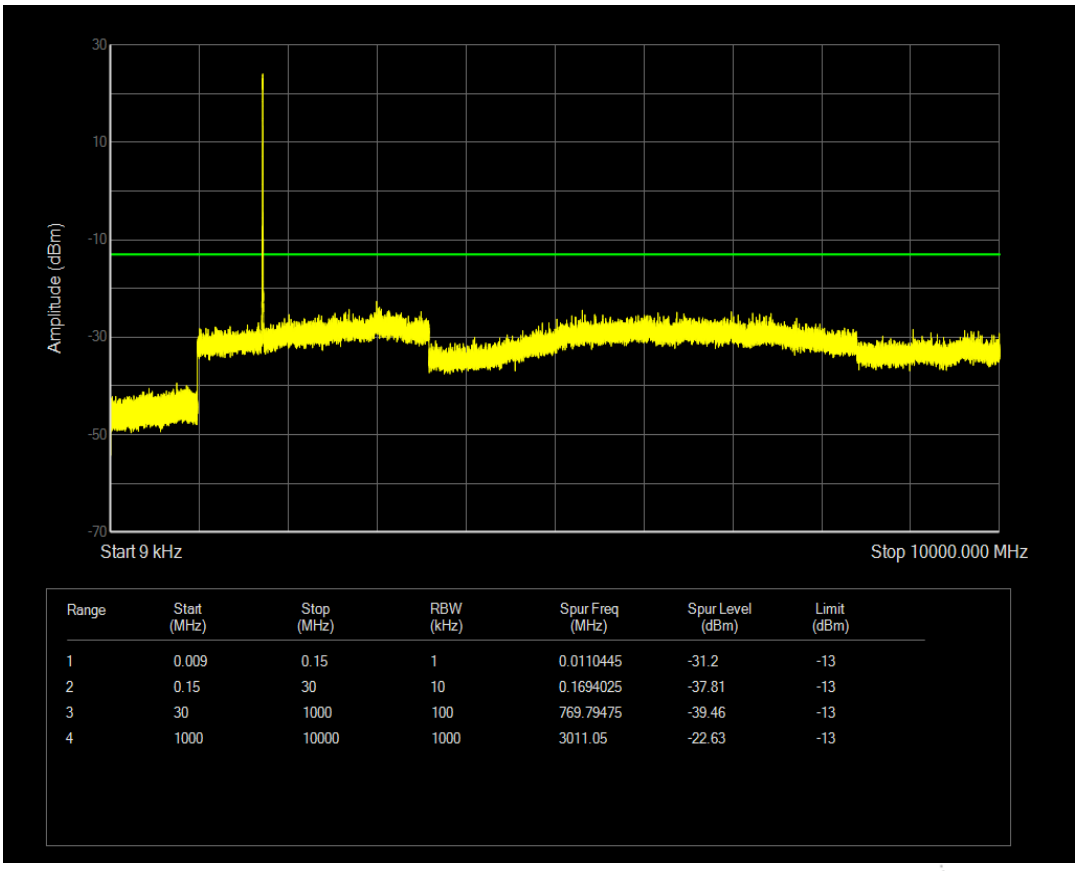
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098601	-34.38	-13
2	0.15	30	10	0.17761125	-37.32	-13
3	30	1000	100	752.48025	-40.05	-13
4	1000	10000	1000	2669.5	-24.04	-13

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



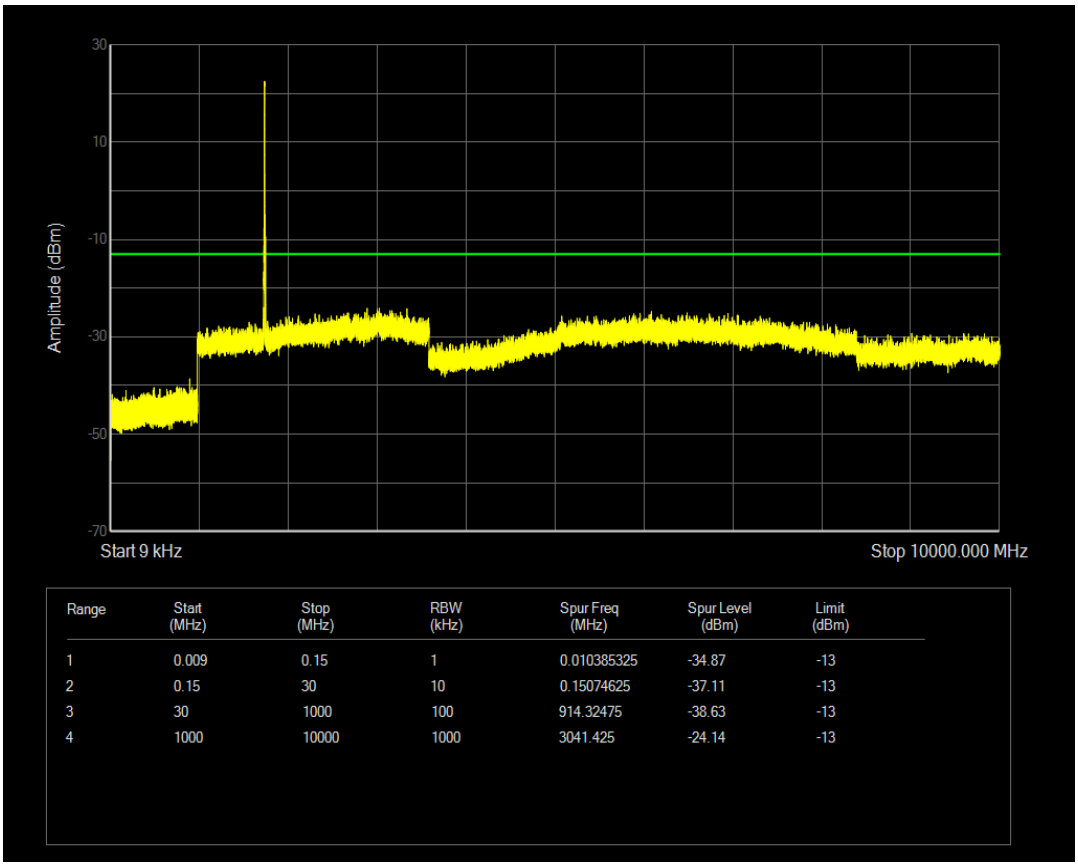
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009158625	-34.02	-13
2	0.15	30	10	0.1783575	-37.72	-13
3	30	1000	100	883.988	-39.8	-13
4	1000	10000	1000	2979.325	-23.44	-13

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



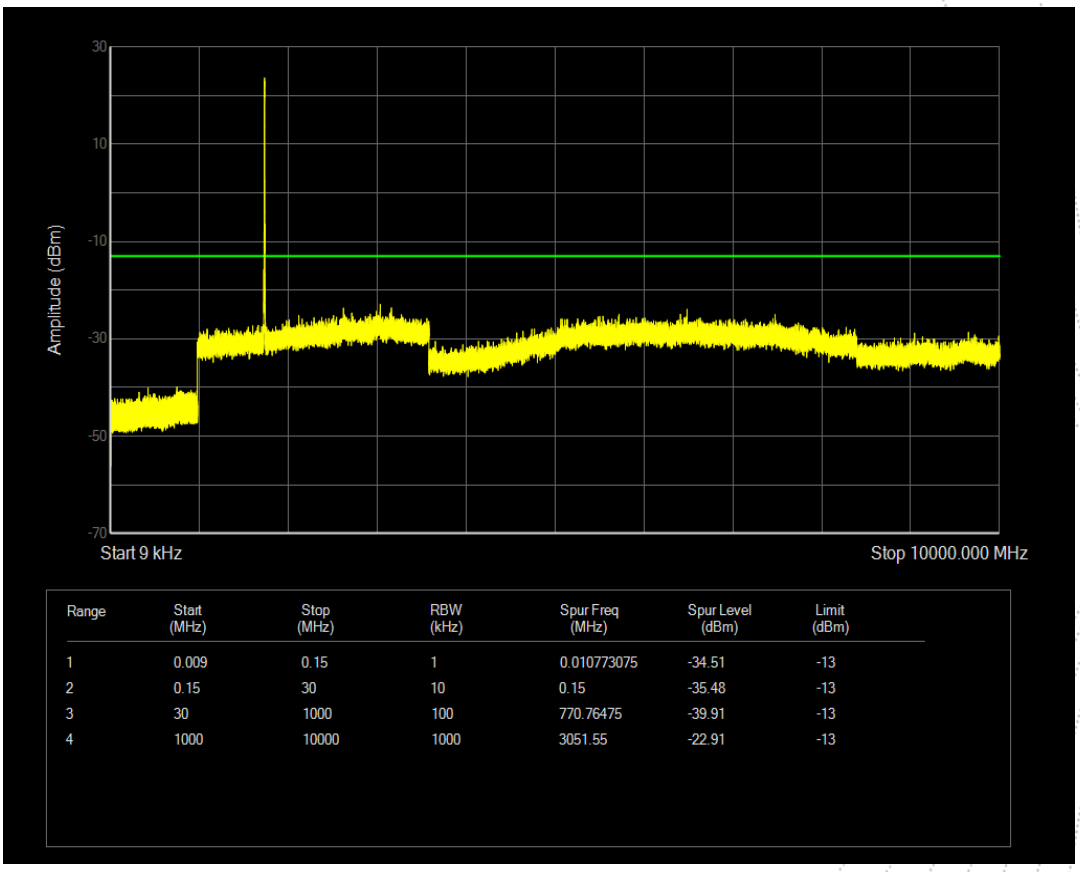
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110445	-31.2	-13
2	0.15	30	10	0.1694025	-37.81	-13
3	30	1000	100	769.79475	-39.46	-13
4	1000	10000	1000	3011.05	-22.63	-13

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



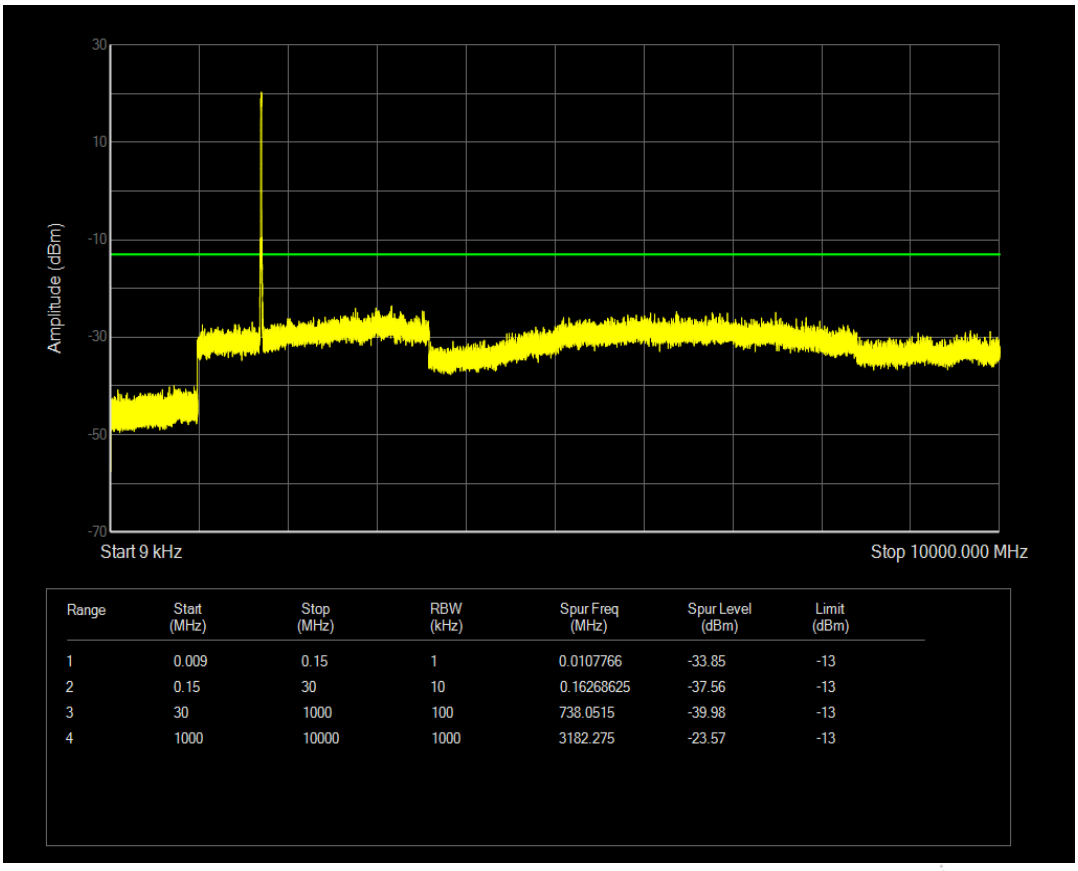
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010385325	-34.87	-13
2	0.15	30	10	0.15074625	-37.11	-13
3	30	1000	100	914.32475	-38.63	-13
4	1000	10000	1000	3041.425	-24.14	-13

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



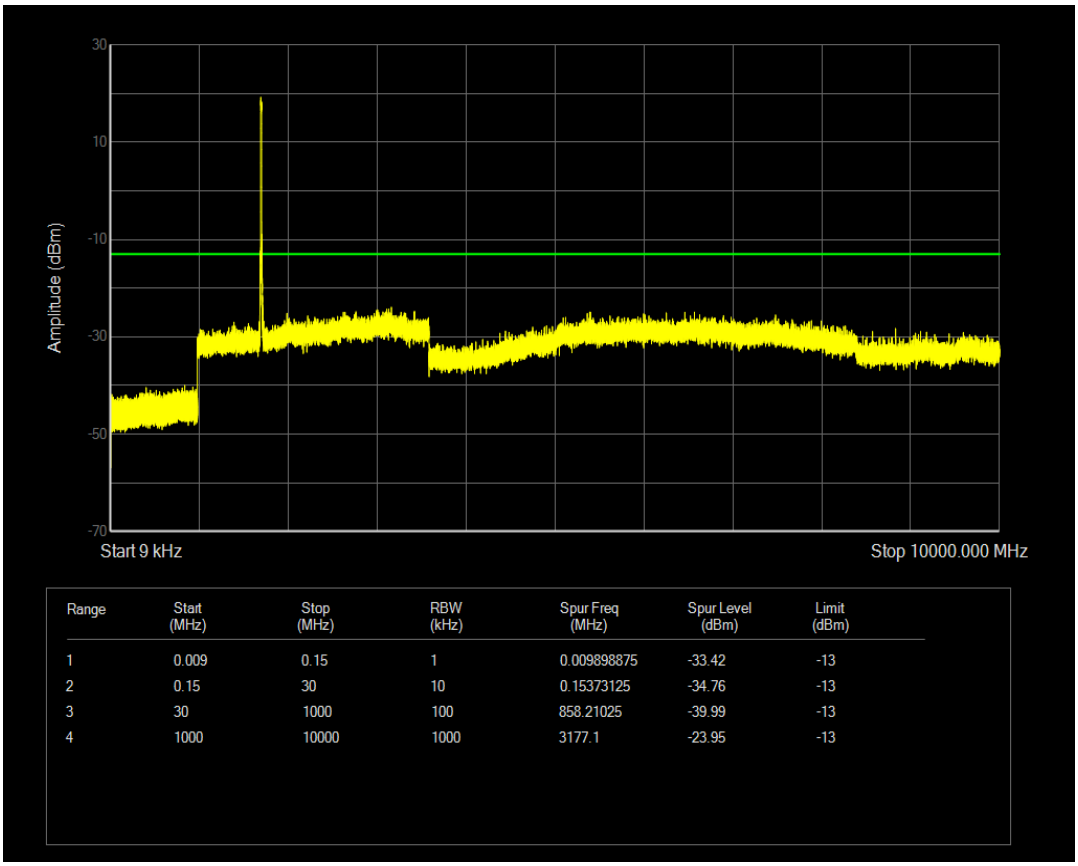
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010773075	-34.51	-13
2	0.15	30	10	0.15	-35.48	-13
3	30	1000	100	770.76475	-39.91	-13
4	1000	10000	1000	3051.55	-22.91	-13

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



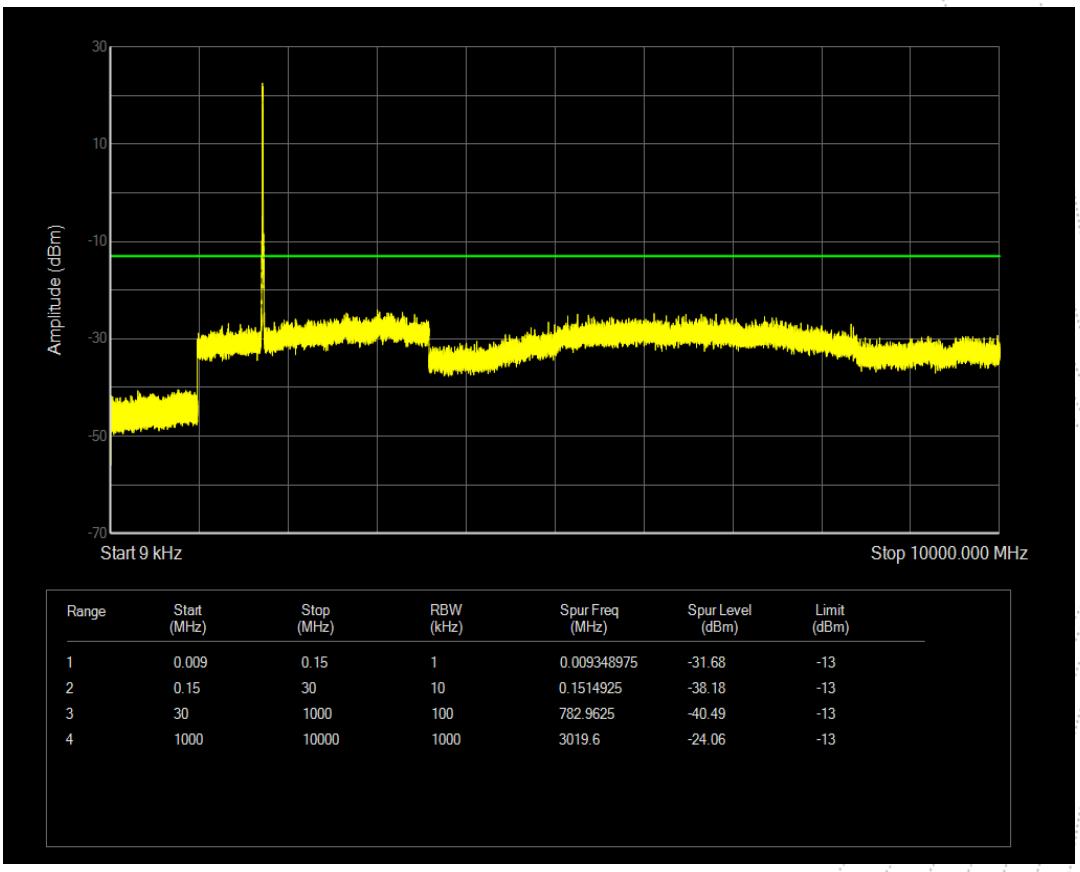
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107766	-33.85	-13
2	0.15	30	10	0.16268625	-37.56	-13
3	30	1000	100	738.0515	-39.98	-13
4	1000	10000	1000	3182.275	-23.57	-13

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



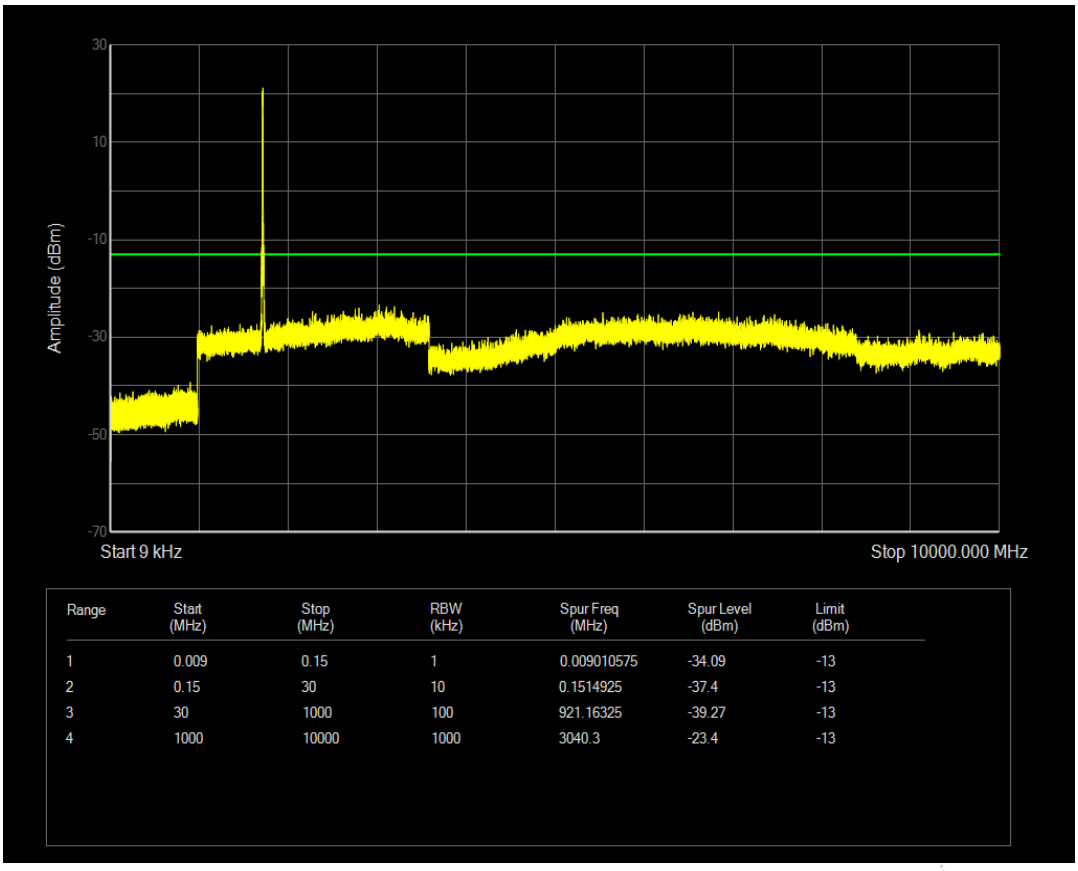
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009898875	-33.42	-13
2	0.15	30	10	0.15373125	-34.76	-13
3	30	1000	100	858.21025	-39.99	-13
4	1000	10000	1000	3177.1	-23.95	-13

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



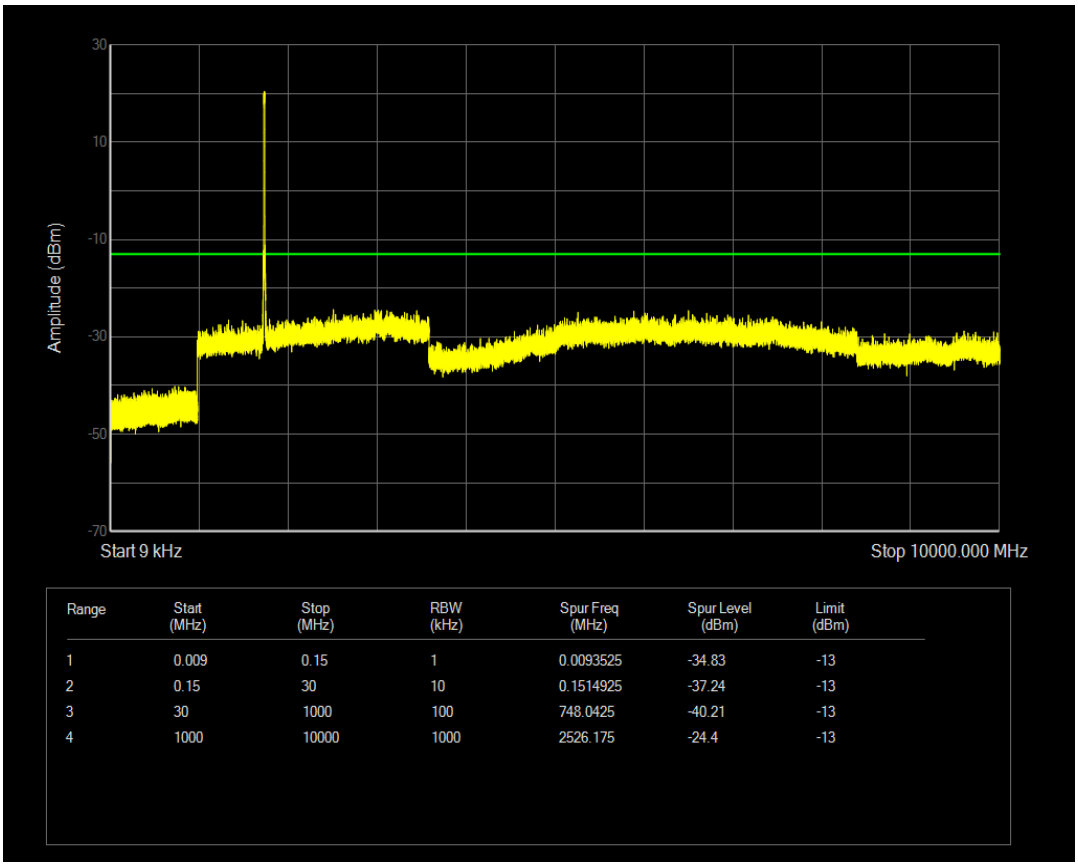
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009348975	-31.68	-13
2	0.15	30	10	0.1514925	-38.18	-13
3	30	1000	100	782.9625	-40.49	-13
4	1000	10000	1000	3019.6	-24.06	-13

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



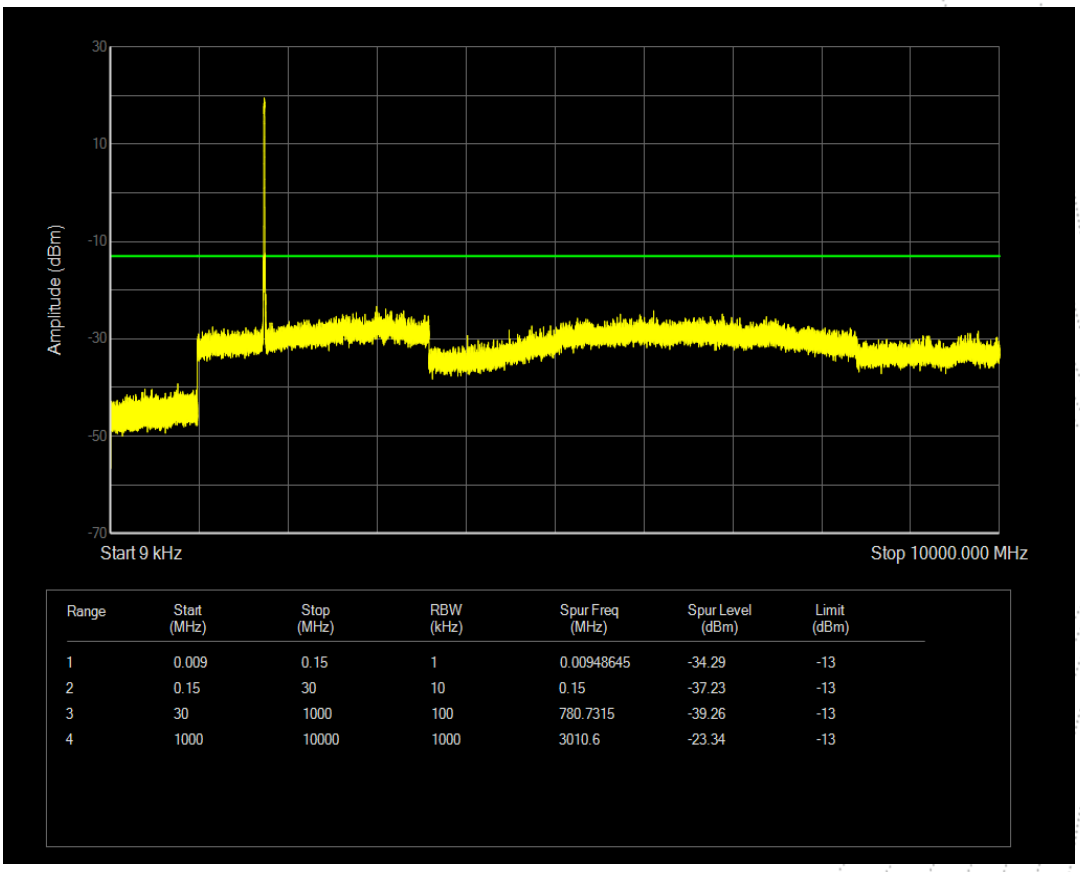
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009010575	-34.09	-13
2	0.15	30	10	0.1514925	-37.4	-13
3	30	1000	100	921.16325	-39.27	-13
4	1000	10000	1000	3040.3	-23.4	-13

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



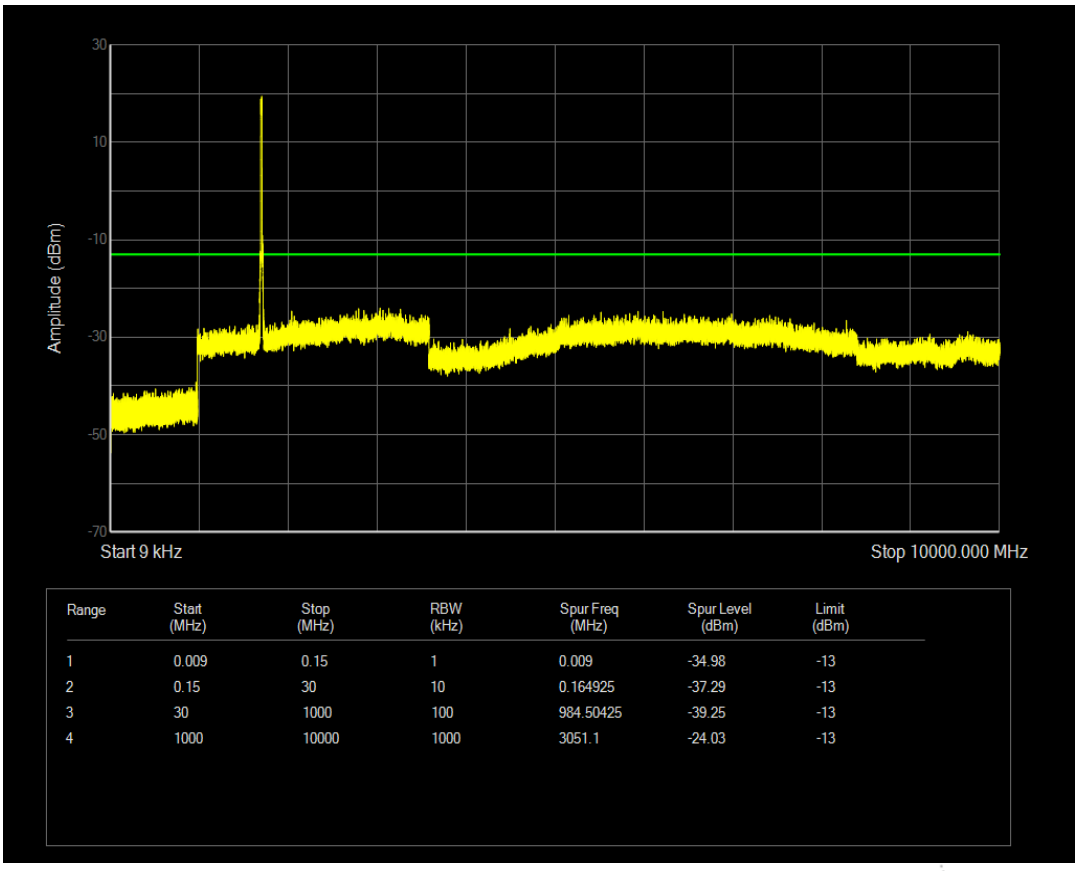
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093525	-34.83	-13
2	0.15	30	10	0.1514925	-37.24	-13
3	30	1000	100	748.0425	-40.21	-13
4	1000	10000	1000	2526.175	-24.4	-13

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



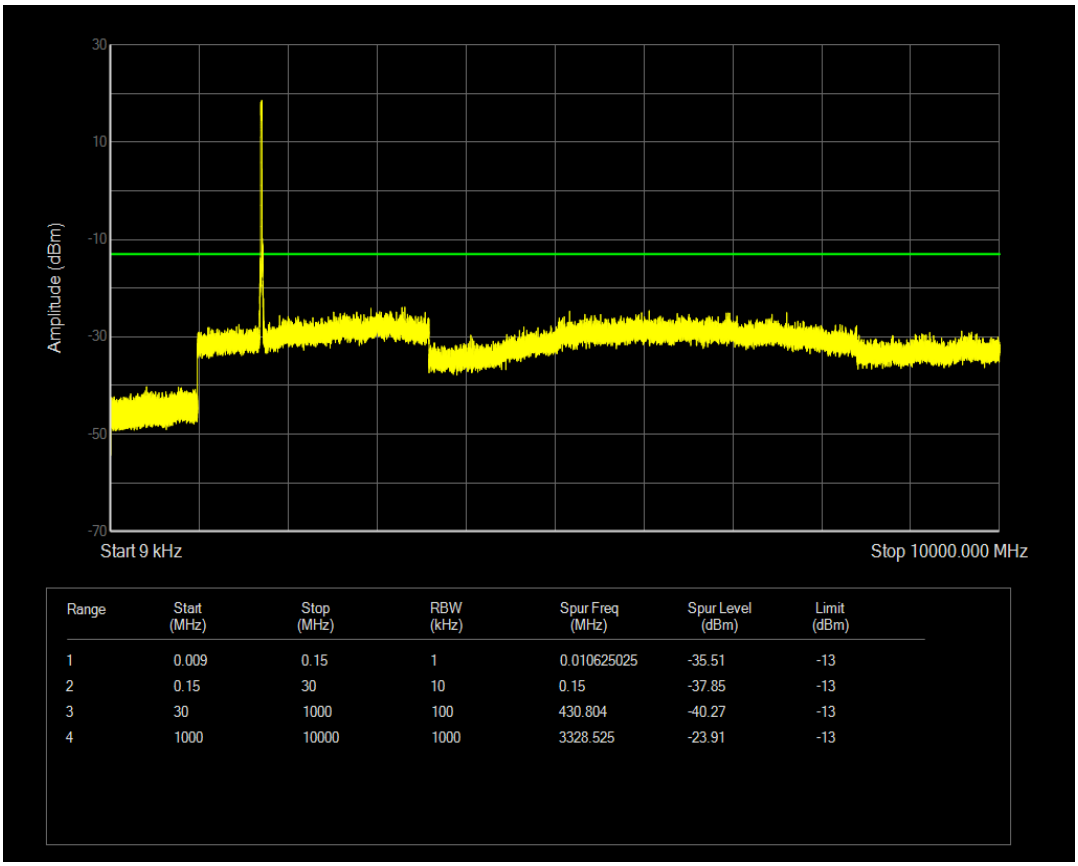
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00948645	-34.29	-13
2	0.15	30	10	0.15	-37.23	-13
3	30	1000	100	780.7315	-39.26	-13
4	1000	10000	1000	3010.6	-23.34	-13

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



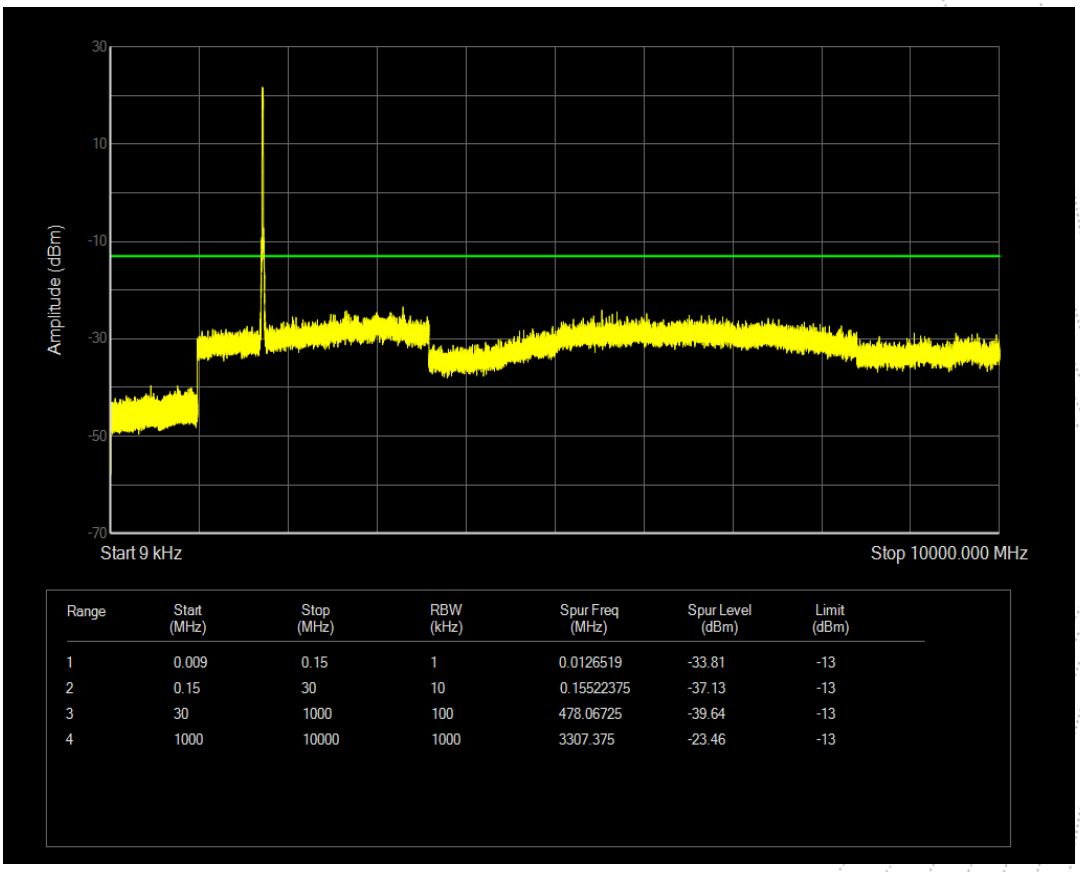
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-34.98	-13
2	0.15	30	10	0.164925	-37.29	-13
3	30	1000	100	984.50425	-39.25	-13
4	1000	10000	1000	3051.1	-24.03	-13

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



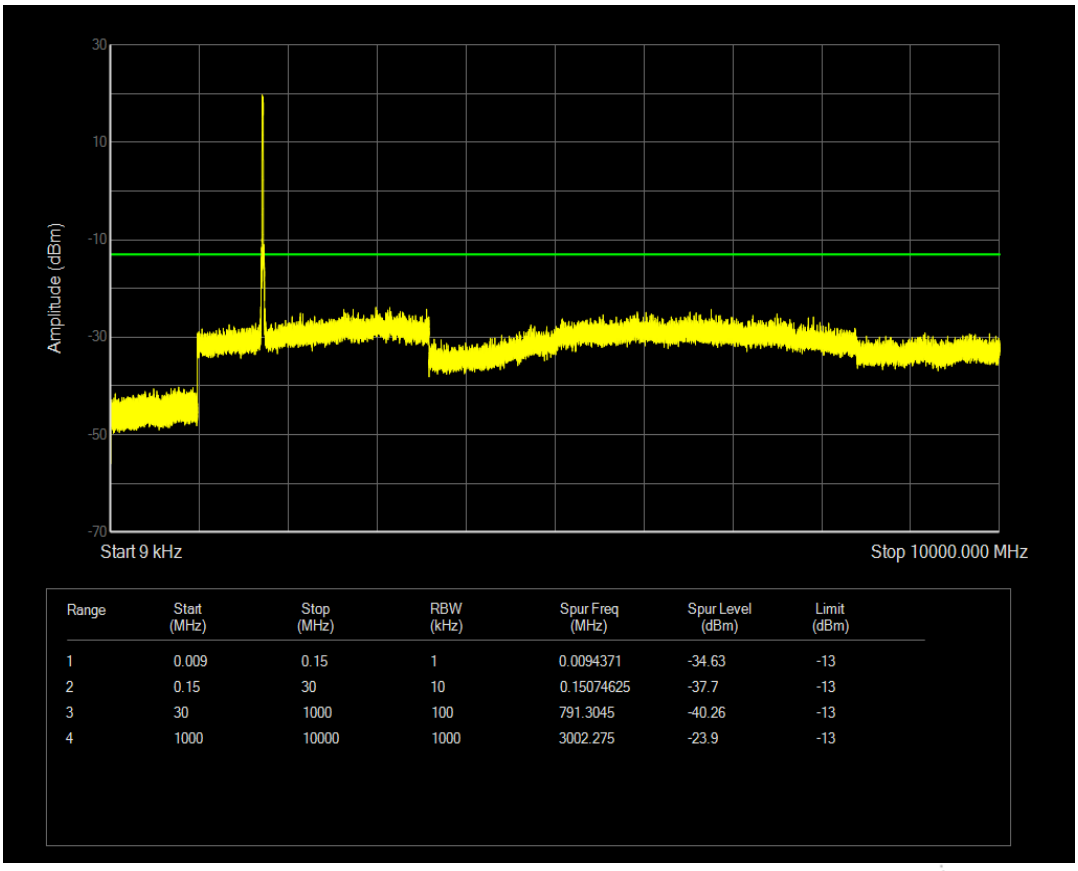
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010625025	-35.51	-13
2	0.15	30	10	0.15	-37.85	-13
3	30	1000	100	430.804	-40.27	-13
4	1000	10000	1000	3328.525	-23.91	-13

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



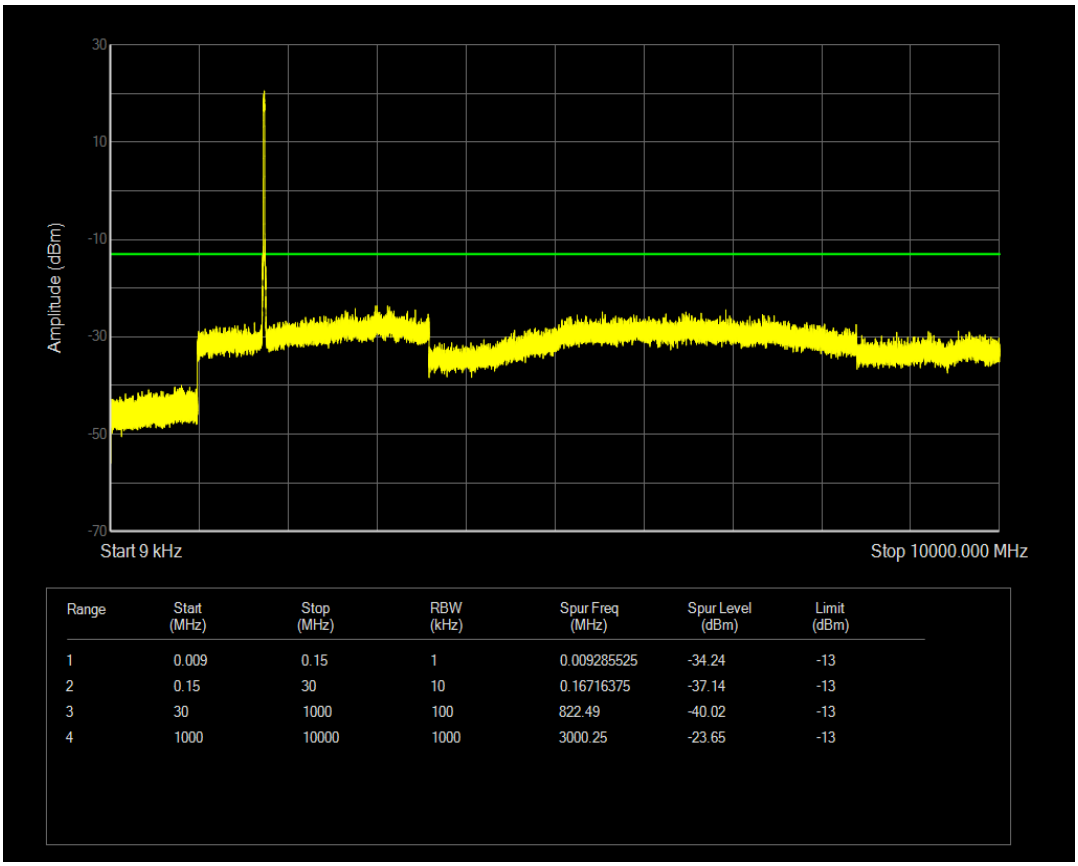
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0126519	-33.81	-13
2	0.15	30	10	0.15522375	-37.13	-13
3	30	1000	100	478.06725	-39.64	-13
4	1000	10000	1000	3307.375	-23.46	-13

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



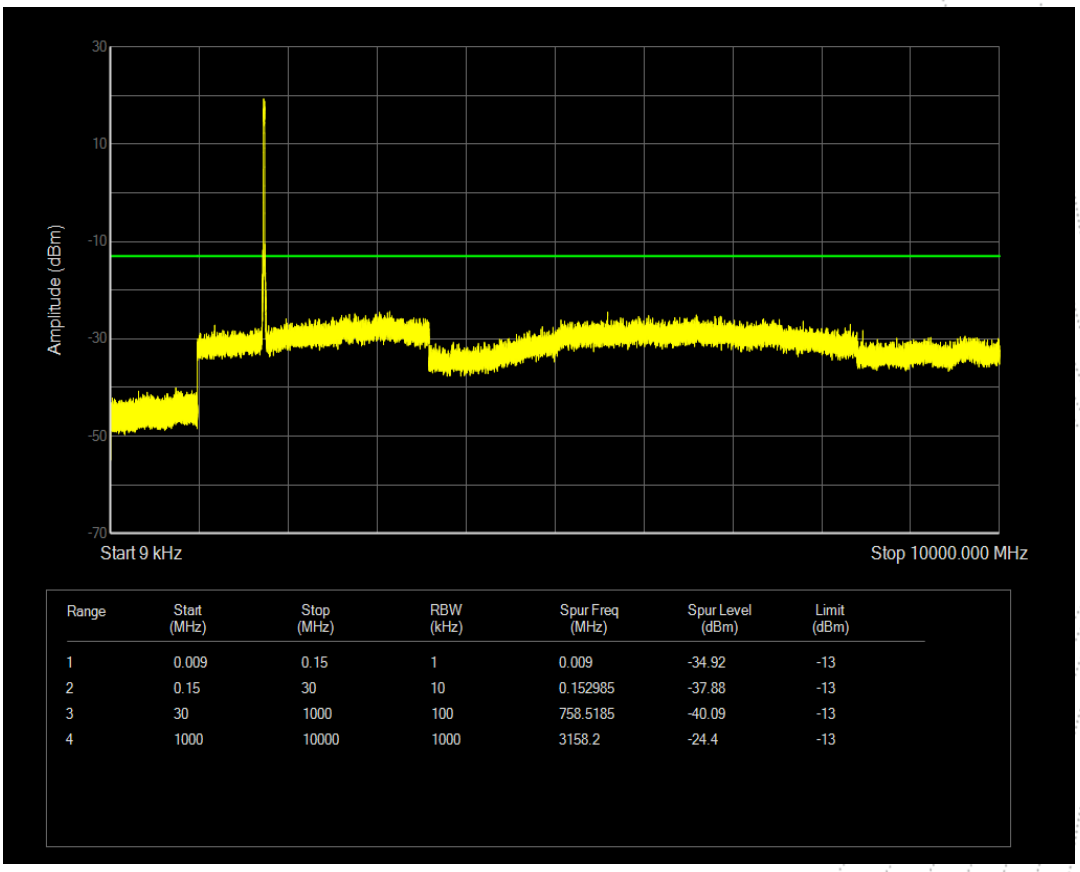
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094371	-34.63	-13
2	0.15	30	10	0.15074625	-37.7	-13
3	30	1000	100	791.3045	-40.26	-13
4	1000	10000	1000	3002.275	-23.9	-13

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



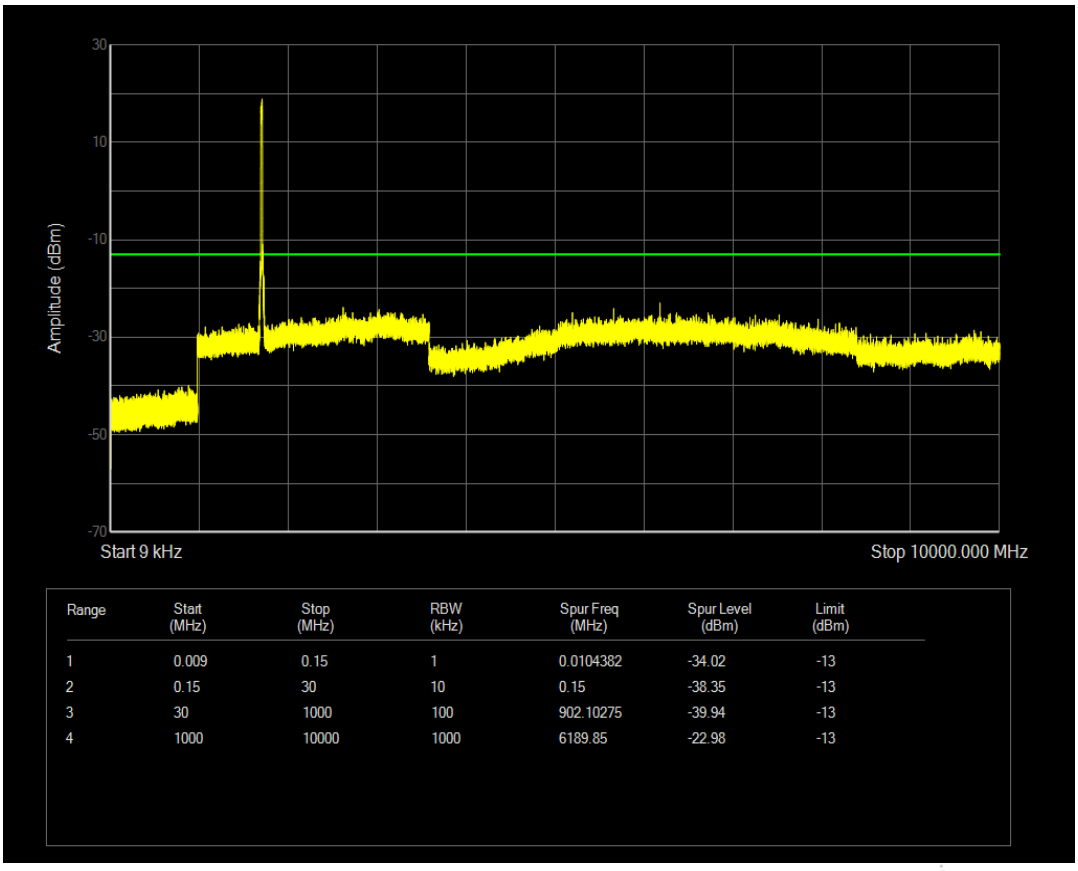
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009285525	-34.24	-13
2	0.15	30	10	0.16716375	-37.14	-13
3	30	1000	100	822.49	-40.02	-13
4	1000	10000	1000	3000.25	-23.65	-13

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



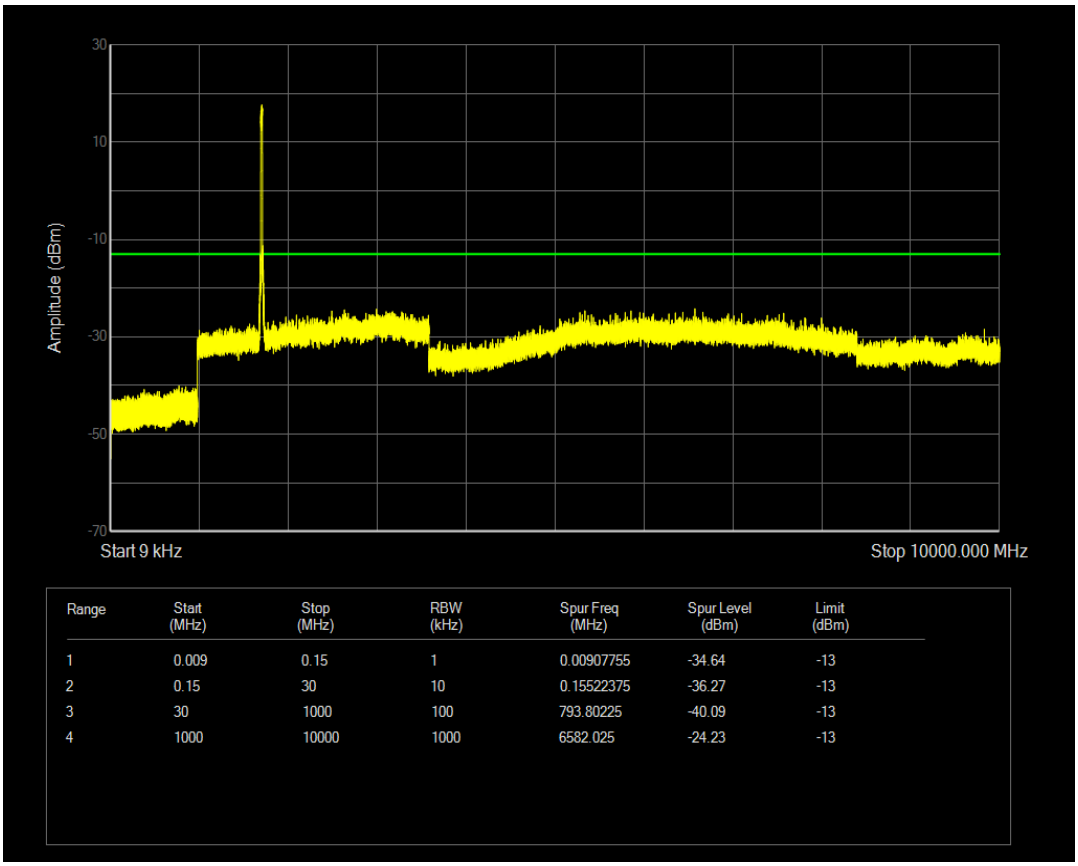
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-34.92	-13
2	0.15	30	10	0.152985	-37.88	-13
3	30	1000	100	758.5185	-40.09	-13
4	1000	10000	1000	3158.2	-24.4	-13

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



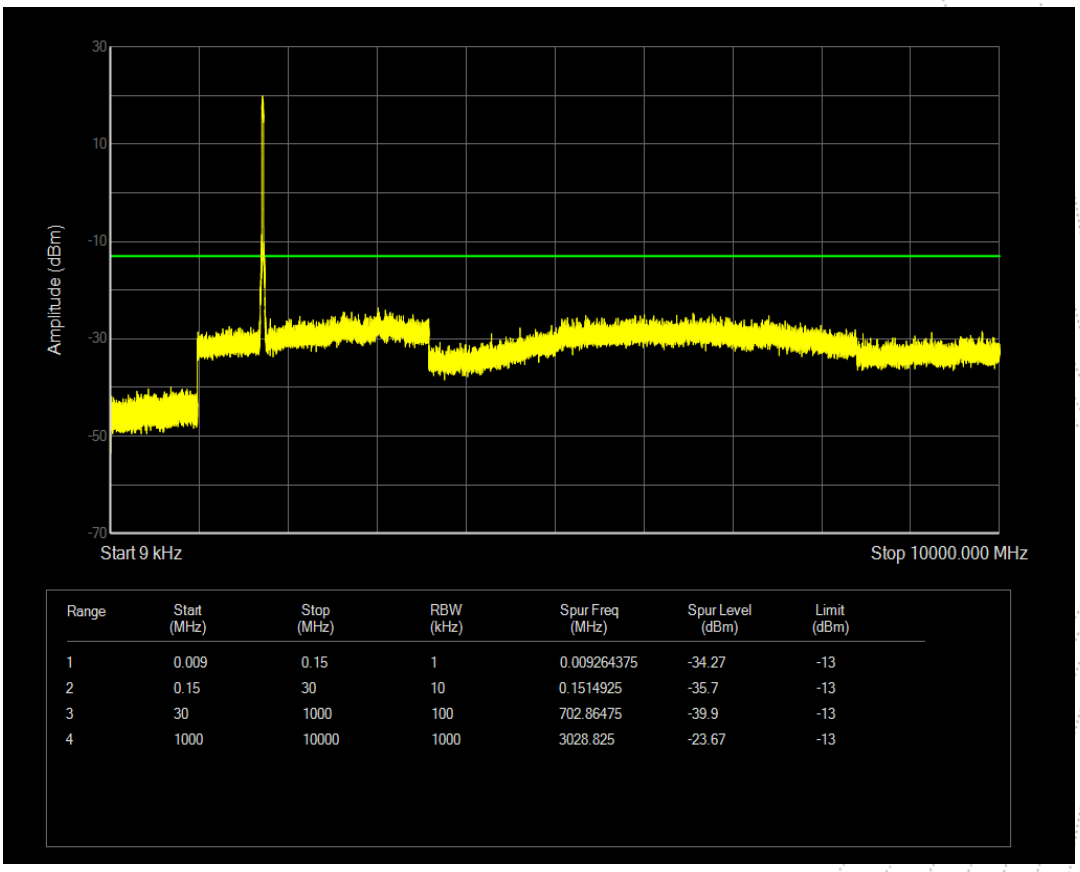
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104382	-34.02	-13
2	0.15	30	10	0.15	-38.35	-13
3	30	1000	100	902.10275	-39.94	-13
4	1000	10000	1000	6189.85	-22.98	-13

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



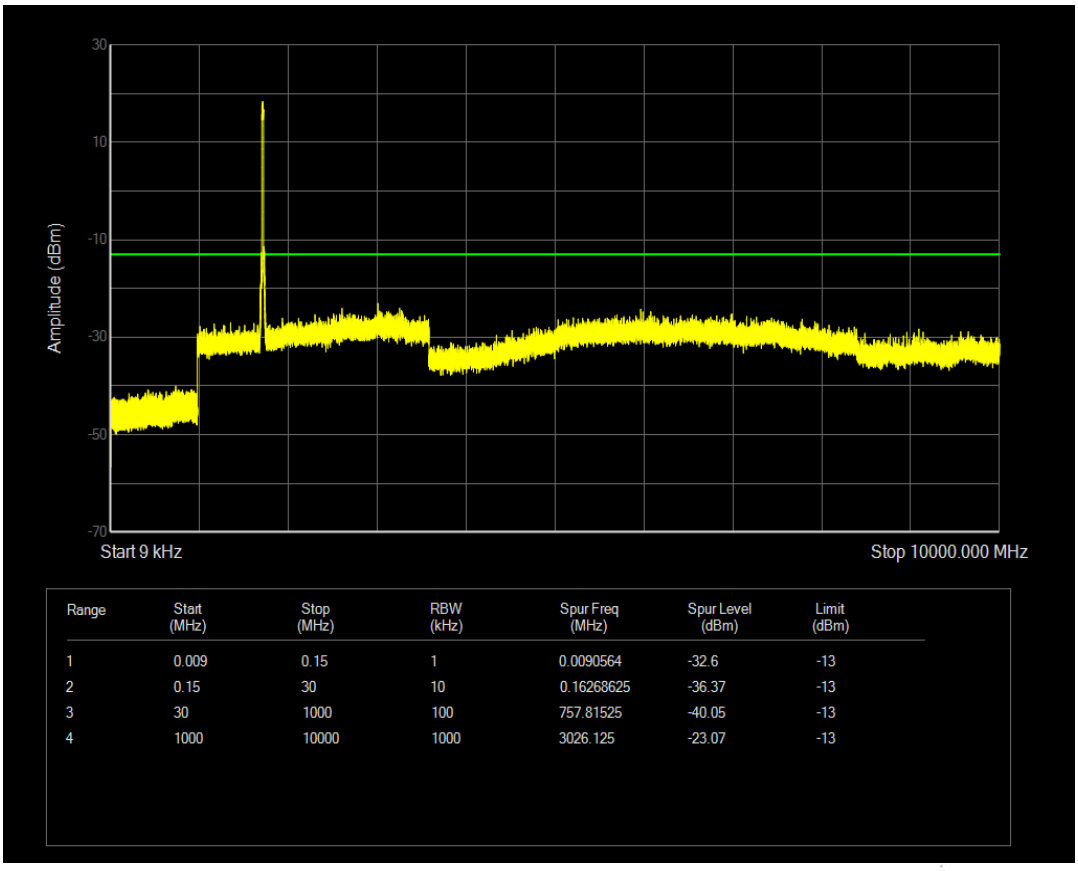
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00907755	-34.64	-13
2	0.15	30	10	0.15522375	-36.27	-13
3	30	1000	100	793.80225	-40.09	-13
4	1000	10000	1000	6582.025	-24.23	-13

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



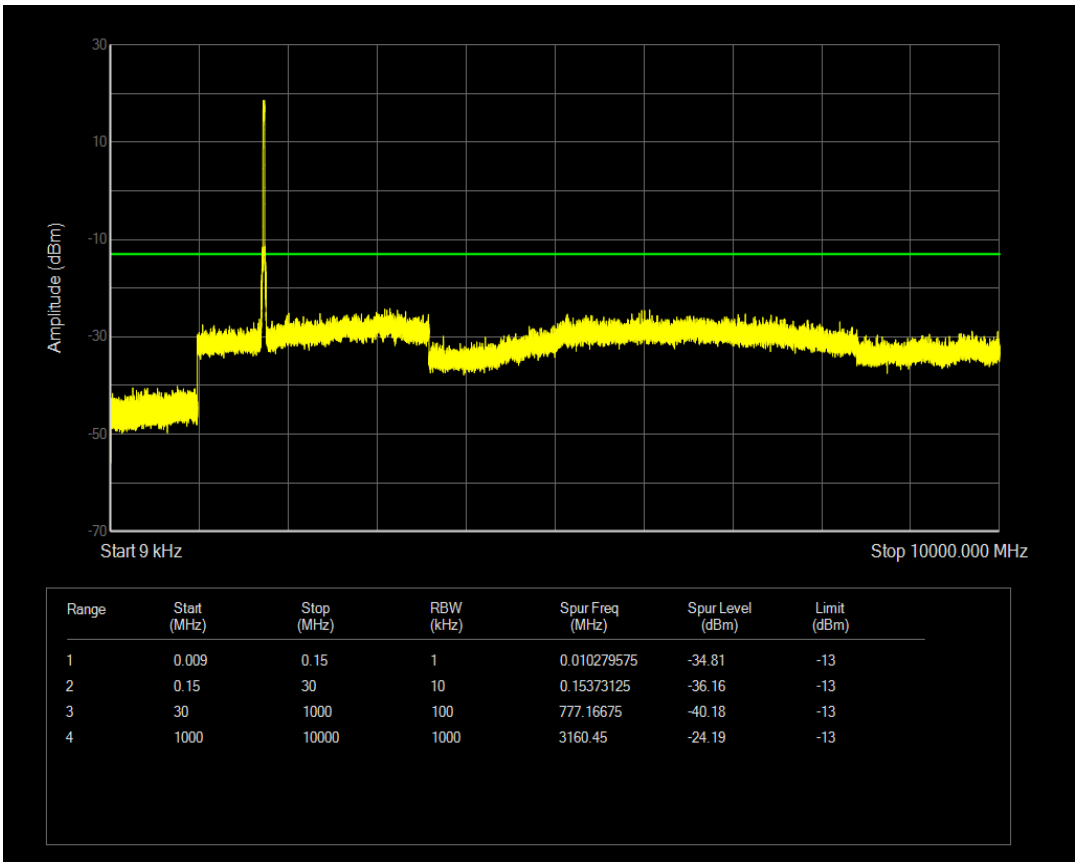
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009264375	-34.27	-13
2	0.15	30	10	0.1514925	-35.7	-13
3	30	1000	100	702.86475	-39.9	-13
4	1000	10000	1000	3028.825	-23.67	-13

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



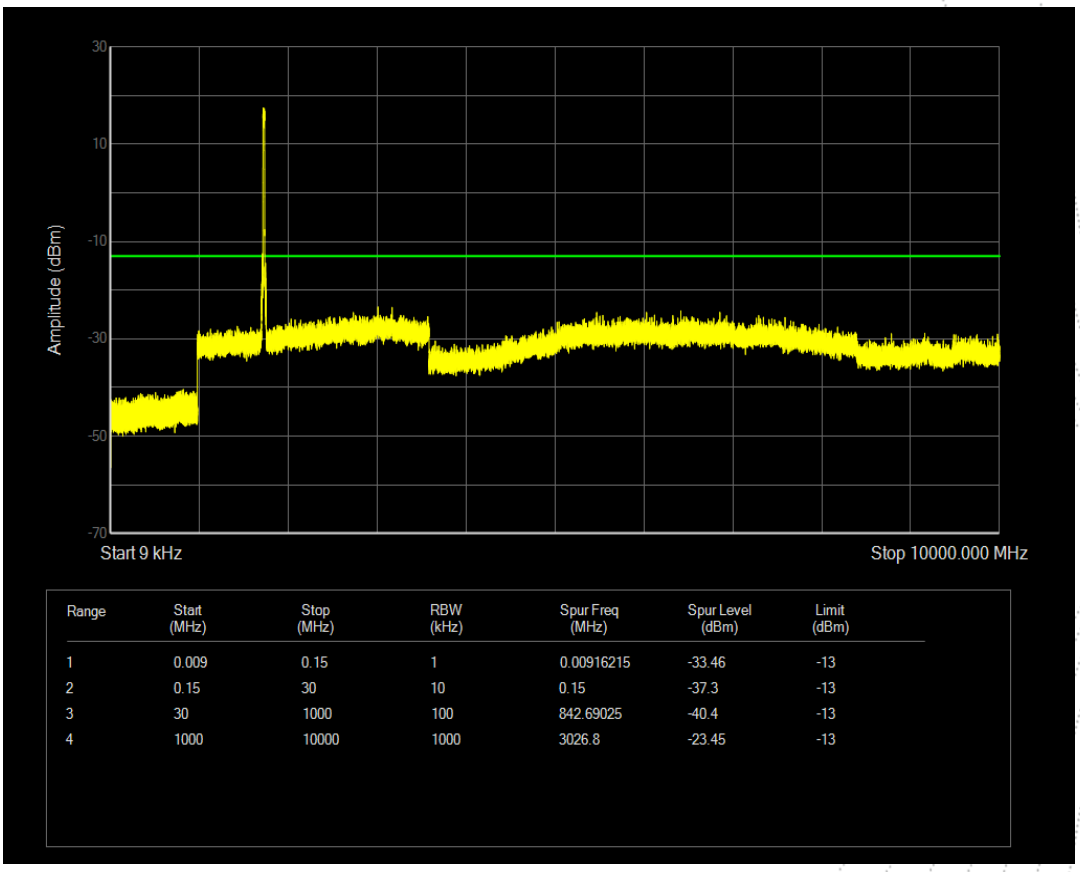
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090564	-32.6	-13
2	0.15	30	10	0.16268625	-36.37	-13
3	30	1000	100	757.81525	-40.05	-13
4	1000	10000	1000	3026.125	-23.07	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010279575	-34.81	-13
2	0.15	30	10	0.15373125	-36.16	-13
3	30	1000	100	777.16675	-40.18	-13
4	1000	10000	1000	3160.45	-24.19	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00916215	-33.46	-13
2	0.15	30	10	0.15	-37.3	-13
3	30	1000	100	842.69025	-40.4	-13
4	1000	10000	1000	3026.8	-23.45	-13