Appendix for Band 4

Report No.:	BCTC2504164553-6E
Applicant:	Shenzhen Qichang Intelligent Technology Co., Ltd
Product Name:	Smart Phone
Test Model:	F110 Pro
Tested Date:	2025-04-07 to 2025-05-21

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1.Effective Radiated Power and Effective Isotropic Radiated Power Measurement 3
Appendix 2.Frequency stability 10
Appendix 3.Peak-to-Average Ratio 29
Appendix 4.Occupied bandwidth 54
Appendix 5.Band edge 79
Appendix 6.Out-of-band emissions 96

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

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	24.27	0.06	24.33	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	24.21	0.06	24.27	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	24.18	0.06	24.24	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	24.14	0.06	24.20	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	24.12	0.06	24.18	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	24.14	0.06	24.20	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	23.13	0.06	23.19	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	23.16	0.06	23.22	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	23.11	0.06	23.17	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	23.12	0.06	23.18	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	23.27	0.06	23.33	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	23.23	0.06	23.29	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	23.28	0.06	23.34	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	22.31	0.06	22.37	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	24.19	0.06	24.25	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	24.20	0.06	24.26	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	24.22	0.06	24.28	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	24.15	0.06	24.21	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	24.14	0.06	24.20	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	24.15	0.06	24.21	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	23.15	0.06	23.21	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	23.33	0.06	23.39	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	23.32	0.06	23.38	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	23.37	0.06	23.43	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	23.36	0.06	23.42	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	23.34	0.06	23.40	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	23.32	0.06	23.38	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	22.38	0.06	22.44	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	23.94	0.06	24.00	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	23.92	0.06	23.98	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	23.91	0.06	23.97	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	23.96	0.06	24.02	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	23.95	0.06	24.01	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	23.99	0.06	24.05	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	22.91	0.06	22.97	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	23.19	0.06	23.25	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	23.15	0.06	23.21	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	23.18	0.06	23.24	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	23.17	0.06	23.23	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	23.20	0.06	23.26	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	23.16	0.06	23.22	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	22.12	0.06	22.18	PASS
NVNT	Band4	3	19965	1	#0	QPSK	24.19	0.06	24.25	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	24.22	0.06	24.28	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	24.15	0.06	24.21	PASS
NVNT	Band4	3	19965	8	#0	QPSK	23.16	0.06	23.22	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	23.11	0.06	23.17	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	23.12	0.06	23.18	PASS
NVNT	Band4	3	19965	15	#0	QPSK	23.13	0.06	23.19	PASS
NVNT	Band4	3	19965	1	#0	16QAM	23.20	0.06	23.26	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	23.11	0.06	23.17	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	23.08	0.06	23.14	PASS
NVNT	Band4	3	19965	8	#0	16QAM	22.17	0.06	22.23	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	22.10	0.06	22.16	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	22.11	0.06	22.17	PASS
NVNT	Band4	3	19965	15	#0	16QAM	22.19	0.06	22.25	PASS
NVNT	Band4	3	20175	1	#0	QPSK	24.30	0.06	24.36	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	24.22	0.06	24.28	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	24.12	0.06	24.18	PASS
NVNT	Band4	3	20175	8	#0	QPSK	23.19	0.06	23.25	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	23.15	0.06	23.21	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	23.14	0.06	23.20	PASS
NVNT	Band4	3	20175	15	#0	QPSK	23.13	0.06	23.19	PASS
NVNT	Band4	3	20175	1	#0	16QAM	23.56	0.06	23.62	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	23.61	0.06	23.67	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	23.55	0.06	23.61	PASS
NVNT	Band4	3	20175	8	#0	16QAM	22.21	0.06	22.27	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	22.17	0.06	22.23	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	22.15	0.06	22.21	PASS
NVNT	Band4	3	20175	15	#0	16QAM	22.19	0.06	22.25	PASS
NVNT	Band4	3	20385	1	#0	QPSK	23.91	0.06	23.97	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	23.91	0.06	23.97	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	23.87	0.06	23.93	PASS
NVNT	Band4	3	20385	8	#0	QPSK	22.90	0.06	22.96	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	22.95	0.06	23.01	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	22.90	0.06	22.96	PASS
NVNT	Band4	3	20385	15	#0	QPSK	22.97	0.06	23.03	PASS

NVNT	Band4	3	20385	1	#0	16QAM	23.21	0.06	23.27	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	23.27	0.06	23.33	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	23.11	0.06	23.17	PASS
NVNT	Band4	3	20385	8	#0	16QAM	22.03	0.06	22.09	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	22.01	0.06	22.07	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	21.98	0.06	22.04	PASS
NVNT	Band4	3	20385	15	#0	16QAM	21.94	0.06	22.00	PASS
NVNT	Band4	5	19975	1	#0	QPSK	24.23	0.06	24.29	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	24.20	0.06	24.26	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	24.20	0.06	24.26	PASS
NVNT	Band4	5	19975	12	#0	QPSK	23.16	0.06	23.22	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	23.14	0.06	23.20	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	23.14	0.06	23.20	PASS
NVNT	Band4	5	19975	25	#0	QPSK	23.21	0.06	23.27	PASS
NVNT	Band4	5	19975	1	#0	16QAM	23.69	0.06	23.75	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	23.66	0.06	23.72	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	23.64	0.06	23.70	PASS
NVNT	Band4	5	19975	12	#0	16QAM	22.15	0.06	22.21	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	22.13	0.06	22.19	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	22.13	0.06	22.19	PASS
NVNT	Band4	5	19975	25	#0	16QAM	22.21	0.06	22.27	PASS
NVNT	Band4	5	20175	1	#0	QPSK	24.25	0.06	24.31	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	24.26	0.06	24.32	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	24.08	0.06	24.14	PASS
NVNT	Band4	5	20175	12	#0	QPSK	23.23	0.06	23.29	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	23.19	0.06	23.25	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	23.20	0.06	23.26	PASS
NVNT	Band4	5	20175	25	#0	QPSK	23.24	0.06	23.30	PASS
NVNT	Band4	5	20175	1	#0	16QAM	23.51	0.06	23.57	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	23.60	0.06	23.66	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	23.45	0.06	23.51	PASS
NVNT	Band4	5	20175	12	#0	16QAM	22.31	0.06	22.37	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	22.27	0.06	22.33	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	22.28	0.06	22.34	PASS
NVNT	Band4	5	20175	25	#0	16QAM	22.22	0.06	22.28	PASS
NVNT	Band4	5	20375	1	#0	QPSK	24.11	0.06	24.17	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	24.24	0.06	24.30	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	24.14	0.06	24.20	PASS
NVNT	Band4	5	20375	12	#0	QPSK	23.03	0.06	23.09	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	23.03	0.06	23.09	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	23.03	0.06	23.09	PASS
NVNT	Band4	5	20375	25	#0	QPSK	23.09	0.06	23.15	PASS

NVNT	Band4	5	20375	1	#0	16QAM	23.51	0.06	23.57	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	23.52	0.06	23.58	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	23.49	0.06	23.55	PASS
NVNT	Band4	5	20375	12	#0	16QAM	22.05	0.06	22.11	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	22.05	0.06	22.11	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	22.02	0.06	22.08	PASS
NVNT	Band4	5	20375	25	#0	16QAM	22.03	0.06	22.09	PASS
NVNT	Band4	10	20000	1	#0	QPSK	24.28	0.06	24.34	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	24.18	0.06	24.24	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	24.17	0.06	24.23	PASS
NVNT	Band4	10	20000	25	#0	QPSK	23.20	0.06	23.26	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	23.18	0.06	23.24	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	23.18	0.06	23.24	PASS
NVNT	Band4	10	20000	50	#0	QPSK	23.18	0.06	23.24	PASS
NVNT	Band4	10	20000	1	#0	16QAM	23.24	0.06	23.30	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	23.08	0.06	23.14	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	23.03	0.06	23.09	PASS
NVNT	Band4	10	20000	25	#0	16QAM	22.18	0.06	22.24	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	22.14	0.06	22.20	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	22.18	0.06	22.24	PASS
NVNT	Band4	10	20000	50	#0	16QAM	22.16	0.06	22.22	PASS
NVNT	Band4	10	20175	1	#0	QPSK	24.27	0.06	24.33	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	24.26	0.06	24.32	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	24.26	0.06	24.32	PASS
NVNT	Band4	10	20175	25	#0	QPSK	23.26	0.06	23.32	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	23.29	0.06	23.35	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	23.26	0.06	23.32	PASS
NVNT	Band4	10	20175	50	#0	QPSK	23.23	0.06	23.29	PASS
NVNT	Band4	10	20175	1	#0	16QAM	23.55	0.06	23.61	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	23.69	0.06	23.75	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	23.66	0.06	23.72	PASS
NVNT	Band4	10	20175	25	#0	16QAM	22.26	0.06	22.32	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	22.27	0.06	22.33	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	22.25	0.06	22.31	PASS
NVNT	Band4	10	20175	50	#0	16QAM	22.24	0.06	22.30	PASS
NVNT	Band4	10	20350	1	#0	QPSK	24.08	0.06	24.14	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	23.98	0.06	24.04	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	24.01	0.06	24.07	PASS
NVNT	Band4	10	20350	25	#0	QPSK	23.07	0.06	23.13	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	23.06	0.06	23.12	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	23.03	0.06	23.09	PASS
NVNT	Band4	10	20350	50	#0	QPSK	23.09	0.06	23.15	PASS

NVNT	Band4	10	20350	1	#0	16QAM	23.20	0.06	23.26	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	23.18	0.06	23.24	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	23.27	0.06	23.33	PASS
NVNT	Band4	10	20350	25	#0	16QAM	22.08	0.06	22.14	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	22.07	0.06	22.13	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	22.07	0.06	22.13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	22.11	0.06	22.17	PASS
NVNT	Band4	15	20025	1	#0	QPSK	24.27	0.06	24.33	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	24.23	0.06	24.29	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	24.26	0.06	24.32	PASS
NVNT	Band4	15	20025	36	#0	QPSK	23.13	0.06	23.19	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	23.11	0.06	23.17	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	23.14	0.06	23.20	PASS
NVNT	Band4	15	20025	75	#0	QPSK	23.18	0.06	23.24	PASS
NVNT	Band4	15	20025	1	#0	16QAM	23.66	0.06	23.72	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	23.56	0.06	23.62	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	23.64	0.06	23.70	PASS
NVNT	Band4	15	20025	36	#0	16QAM	22.20	0.06	22.26	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	22.18	0.06	22.24	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	22.19	0.06	22.25	PASS
NVNT	Band4	15	20025	75	#0	16QAM	22.18	0.06	22.24	PASS
NVNT	Band4	15	20175	1	#0	QPSK	24.17	0.06	24.23	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	24.29	0.06	24.35	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	24.26	0.06	24.32	PASS
NVNT	Band4	15	20175	36	#0	QPSK	23.23	0.06	23.29	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	23.23	0.06	23.29	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	22.67	0.06	22.73	PASS
NVNT	Band4	15	20175	75	#0	QPSK	22.27	0.06	22.33	PASS
NVNT	Band4	15	20175	1	#0	16QAM	22.41	0.06	22.47	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	22.53	0.06	22.59	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	22.54	0.06	22.60	PASS
NVNT	Band4	15	20175	36	#0	16QAM	22.32	0.06	22.38	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	22.30	0.06	22.36	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	22.32	0.06	22.38	PASS
NVNT	Band4	15	20175	75	#0	16QAM	22.29	0.06	22.35	PASS
NVNT	Band4	15	20325	1	#0	QPSK	22.32	0.06	22.38	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	22.23	0.06	22.29	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	22.11	0.06	22.17	PASS
NVNT	Band4	15	20325	36	#0	QPSK	22.15	0.06	22.21	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	22.07	0.06	22.13	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	22.06	0.06	22.12	PASS
NVNT	Band4	15	20325	75	#0	QPSK	22.13	0.06	22.19	PASS

NVNT	Band4	15	20325	1	#0	16QAM	21.35	0.06	21.41	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	21.22	0.06	21.28	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	21.23	0.06	21.29	PASS
NVNT	Band4	15	20325	36	#0	16QAM	21.13	0.06	21.19	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	21.03	0.06	21.09	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	21.05	0.06	21.11	PASS
NVNT	Band4	15	20325	75	#0	16QAM	21.18	0.06	21.24	PASS
NVNT	Band4	20	20050	1	#0	QPSK	21.25	0.06	21.31	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	21.25	0.06	21.31	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	21.30	0.06	21.36	PASS
NVNT	Band4	20	20050	50	#0	QPSK	21.17	0.06	21.23	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	21.21	0.06	21.27	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	21.23	0.06	21.29	PASS
NVNT	Band4	20	20050	100	#0	QPSK	21.17	0.06	21.23	PASS
NVNT	Band4	20	20050	1	#0	16QAM	21.73	0.06	21.79	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	21.59	0.06	21.65	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	21.62	0.06	21.68	PASS
NVNT	Band4	20	20050	50	#0	16QAM	21.23	0.06	21.29	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	21.28	0.06	21.34	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	21.29	0.06	21.35	PASS
NVNT	Band4	20	20050	100	#0	16QAM	21.23	0.06	21.29	PASS
NVNT	Band4	20	20175	1	#0	QPSK	21.29	0.06	21.35	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	21.40	0.06	21.46	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	21.33	0.06	21.39	PASS
NVNT	Band4	20	20175	50	#0	QPSK	21.30	0.06	21.36	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	21.30	0.06	21.36	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	21.30	0.06	21.36	PASS
NVNT	Band4	20	20175	100	#0	QPSK	21.30	0.06	21.36	PASS
NVNT	Band4	20	20175	1	#0	16QAM	21.46	0.06	21.52	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	21.61	0.06	21.67	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	21.49	0.06	21.55	PASS
NVNT	Band4	20	20175	50	#0	16QAM	21.29	0.06	21.35	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	21.29	0.06	21.35	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	21.28	0.06	21.34	PASS
NVNT	Band4	20	20175	100	#0	16QAM	21.26	0.06	21.32	PASS
NVNT	Band4	20	20300	1	#0	QPSK	21.25	0.06	21.31	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	21.15	0.06	21.21	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	21.09	0.06	21.15	PASS
NVNT	Band4	20	20300	50	#0	QPSK	21.27	0.06	21.33	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	21.17	0.06	21.23	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	21.15	0.06	21.21	PASS
NVNT	Band4	20	20300	100	#0	QPSK	21.20	0.06	21.26	PASS

NVNT	Band4	20	20300	1	#0	16QAM	21.52	0.06	21.58	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	21.48	0.06	21.54	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	21.38	0.06	21.44	PASS
NVNT	Band4	20	20300	50	#0	16QAM	21.28	0.06	21.34	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	21.22	0.06	21.28	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	21.18	0.06	21.24	PASS
NVNT	Band4	20	20300	100	#0	16QAM	21.22	0.06	21.28	PASS

Appendix 2.Frequency stability

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band 4	1.4	19957	6	#0	QPSK	LV	NT	-7.78	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	-12.09	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-7.45	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	0.54	0.000	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	-2.62	-0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	-1.29	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	3.30	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	4.41	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	-10.00	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	3.08	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	7.58	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	-0.53	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	-10.61	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	-2.99	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	0.07	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.31	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-1.22	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	0.64	0.000	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-12.27	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-11.70	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-7.10	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-2.72	-0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-12.70	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-3.86	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	2.92	0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	6.05	0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	30.13	0.017	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	11.90	0.007	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	10.87	0.006	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	5.85	0.003	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	3.76	0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-3.72	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	9.06	0.005	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-4.56	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	-6.11	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	-7.62	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	5.88	0.003	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-1.93	-0.001	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	5.79	0.003	PASS
NVNT	Band	5	19975	25	#0	16QAM	LV	NT	3.68	0.002	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	2.73	0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	1.56	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	-4.76	-0.003	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	-8.90	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	4.52	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	4.19	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	1.50	0.001	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	-4.88	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-8.04	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	-1.09	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	-8.65	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	7.44	0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	-5.66	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	0.82	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	-0.93	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	3.06	0.002	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	-0.87	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	-4.23	-0.002	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	1.75	0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	-3.89	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	0.26	0.000	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	0.04	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	-6.21	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	-7.30	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	-5.75	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	-1.89	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	-1.02	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	4.99	0.003	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	4.52	0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	-6.44	-0.004	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	7.80	0.004	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	3.48	0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	-2.60	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	2.53	0.001	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	-0.51	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	4.98	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	0.07	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	-2.40	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	-1.76	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	-2.02	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	4.79	0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	1.27	0.001	PASS
NVNT	Band	15	20175	75	#0	16QAM	NV	NT	0.43	0.000	PASS

	4										
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	-2.32	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-2.80	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-2.65	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	-1.92	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	-4.02	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	-5.38	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	-4.62	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-3.18	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	3.08	0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	2.60	0.002	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	-2.75	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	0.56	0.000	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	2.76	0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	-6.25	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	5.16	0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	-7.84	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	2.62	0.002	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	0.86	0.000	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	-4.19	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	-7.97	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	-2.17	-0.001	PASS

NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	-4.16	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	1.07	0.001	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	-5.98	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	-3.39	-0.002	PASS

Condition	***Band***	***Bandwidth (MHz)***	***UL Channel***	***RB Size***	***RB Position***	***Modulation***	***Voltage (Vdc)***	***Temperature (C)***	***Result (Hz)***	***Result (ppm)***	***Verdict***
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-30	-2.00	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	-5.32	-0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	7.93	0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	-6.41	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	4.85	0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	-7.24	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	0.97	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	2.88	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	3.73	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	4.19	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	2.06	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	0.53	0.000	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	3.62	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	-0.69	0.000	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-2.36	-0.001	PASS
NVNT	Band	1.4	19957	6	#0	16QAM	NV	50	-1.85	-0.001	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	-4.92	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-2.95	-0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-1.09	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	1.07	0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	-7.28	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	-2.27	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	-1.42	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	-4.58	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	4.84	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	-10.57	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	-0.66	0.000	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	7.74	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	-5.74	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	-5.29	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-5.25	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	5.35	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	-3.08	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	-8.33	-0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	-0.07	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	-5.76	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	5.84	0.003	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	4.84	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	6.81	0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	-3.52	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	-8.83	-0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	7.98	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-2.30	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	2.68	0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	5.19	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	-12.49	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	0.14	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	-5.41	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	-6.35	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	2.55	0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	-5.69	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	-5.28	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	-2.09	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-1.99	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-1.93	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	-3.63	-0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	4.45	0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	-8.85	-0.005	PASS
NVNT	Band	3	19965	15	#0	16QAM	NV	0	7.17	0.004	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	-4.69	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	-5.85	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	-1.95	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	3.33	0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	-7.75	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-10.57	-0.006	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-6.41	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-7.78	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	-8.96	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	-11.27	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	3.88	0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	-12.62	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	3.20	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-2.15	-0.001	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	3.62	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-5.38	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	-0.44	0.000	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	2.49	0.001	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	-4.31	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	-8.96	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	0.23	0.000	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	-10.64	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	-5.09	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-11.32	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-11.46	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-25.73	-0.015	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-20.20	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-9.28	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-16.67	-0.010	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-10.41	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-6.11	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	0.03	0.000	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	-4.31	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-7.45	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	-4.38	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	3.13	0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	-8.63	-0.005	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	0.73	0.000	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	-4.33	-0.003	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	-4.08	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	1.26	0.001	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	-4.28	-0.002	PASS
NVNT	Band	5	19975	25	#0	QPSK	NV	30	0.79	0.000	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	-2.35	-0.001	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	2.46	0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	1.69	0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	2.72	0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	-7.17	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	5.09	0.003	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-7.34	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-4.13	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	0.46	0.000	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	2.39	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	-11.36	-0.007	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	0.47	0.000	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	3.81	0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	-1.06	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-3.38	-0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	3.20	0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	1.87	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	3.25	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	-1.46	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	6.39	0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	-3.08	-0.002	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	-0.76	0.000	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	4.53	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	7.25	0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	-4.38	-0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	-1.73	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	-1.99	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	4.48	0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	-3.81	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-9.50	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	0.86	0.000	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-3.69	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-10.33	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-5.81	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-7.57	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-5.82	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	1.62	0.001	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	4.01	0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-0.14	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-13.88	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	-8.05	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	-2.30	-0.001	PASS
NVNT	Band	10	20000	50	#0	QPSK	NV	-30	-6.19	-0.004	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	-1.57	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	3.72	0.002	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	0.44	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	0.24	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	4.48	0.003	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-0.44	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-6.15	-0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-0.20	0.000	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-4.86	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	1.50	0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	6.92	0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-4.86	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	-1.90	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	-0.01	0.000	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	-2.82	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	1.79	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	-0.27	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	-3.06	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	1.13	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	0.09	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	0.47	0.000	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	-5.94	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-0.36	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-2.52	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	3.68	0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	-4.46	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	-2.57	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	-3.29	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	-0.57	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	1.32	0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	-0.46	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	-3.58	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	-1.20	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	-0.19	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	1.14	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-0.21	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	-0.31	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-0.36	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	1.43	0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	0.41	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	0.67	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	-0.99	-0.001	PASS
NVNT	Band	10	20350	50	#0	16QAM	NV	10	-1.99	-0.001	PASS

	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	-0.50	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	6.35	0.004	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	-2.32	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	2.78	0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-1.90	-0.001	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-0.20	0.000	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	1.24	0.001	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	-8.05	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-4.25	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-4.46	-0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-4.23	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	-3.33	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	3.18	0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	0.82	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	2.12	0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	-6.32	-0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	-3.69	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	-3.19	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	-3.53	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	-4.95	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	-8.90	-0.005	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	-6.88	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	-6.15	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	-6.11	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	-6.88	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	-6.90	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	-1.04	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	-6.84	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	-7.21	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	0.76	0.000	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	0.60	0.000	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	-0.27	0.000	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	-6.64	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	-7.28	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	-4.66	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	-8.41	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	-2.92	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	1.10	0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	-1.77	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-10.17	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	3.28	0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-3.59	-0.002	PASS
NVNT	Band	15	20325	75	#0	QPSK	NV	40	-7.57	-0.004	PASS

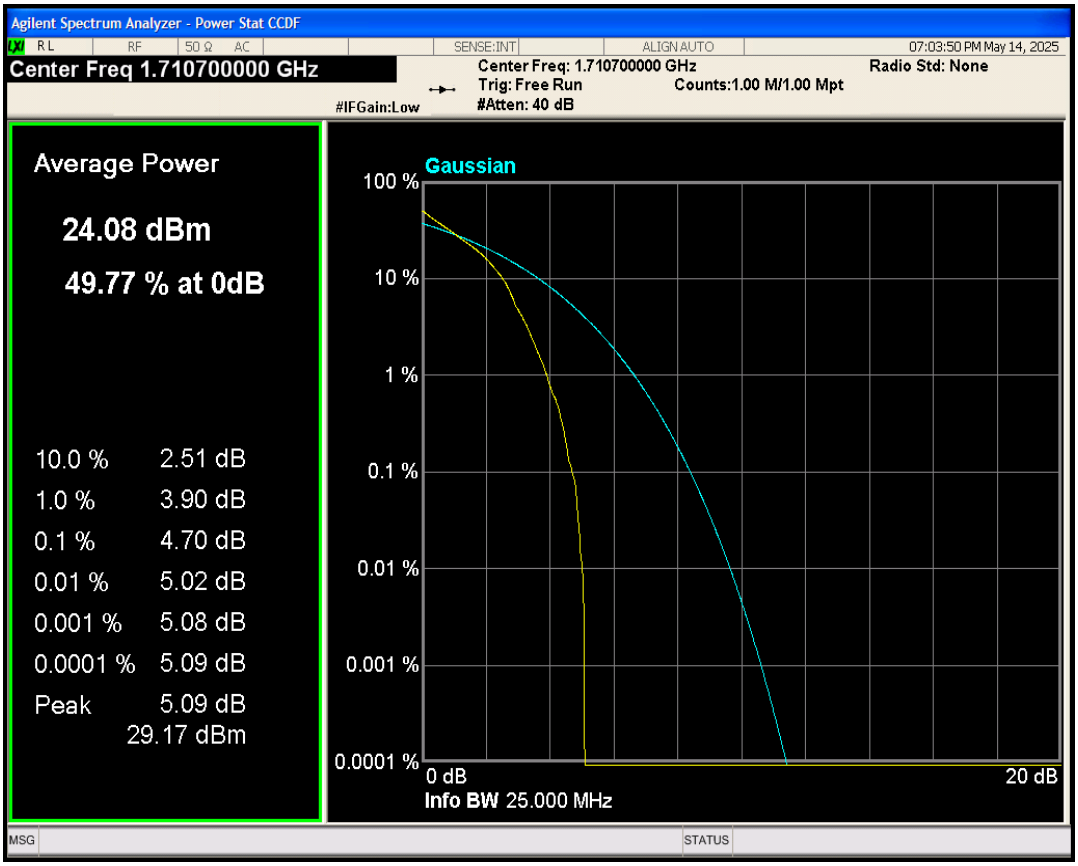
	4										
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-5.18	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-1.49	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-8.01	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-2.89	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	0.36	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	-5.85	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	1.93	0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	-2.05	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	-2.79	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	-4.11	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	-9.34	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-4.36	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-6.65	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-6.29	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-0.20	0.000	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-6.79	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-13.16	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-1.86	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-7.94	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	-2.15	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	-5.51	-0.003	PASS

NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	-5.06	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	-6.28	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	-6.42	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-10.63	-0.006	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	-2.65	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	-6.55	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	-3.39	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	-5.75	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	-5.18	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-4.13	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-6.72	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	-0.79	0.000	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	-1.07	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	-6.32	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	-0.92	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	-6.28	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	-4.52	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	-4.95	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	-4.55	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	-4.38	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	-1.29	-0.001	PASS
NVNT	Band	20	20300	100	#0	QPSK	NV	-20	-3.75	-0.002	PASS

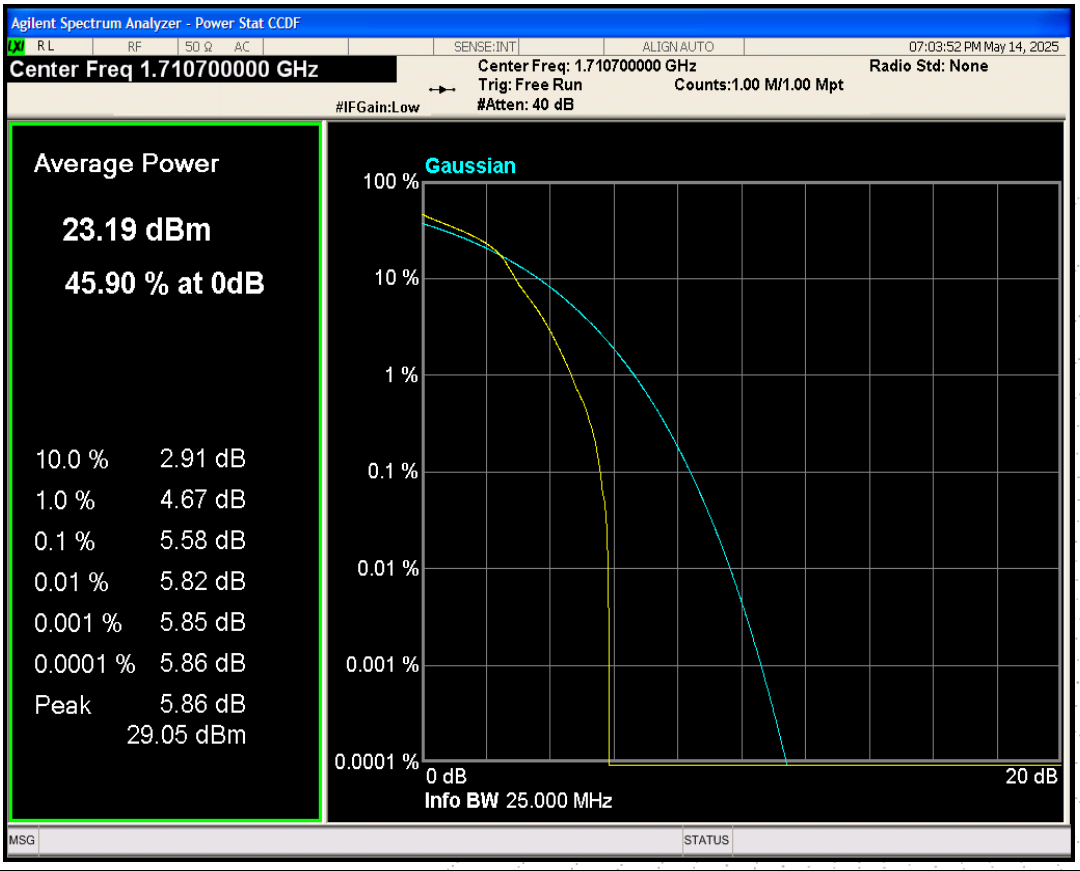
	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	2.30	0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-1.39	-0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-4.55	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-5.48	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	4.88	0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-4.09	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	4.05	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	-0.31	0.000	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	-4.76	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	2.92	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	-5.24	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	-5.94	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	-3.89	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	2.17	0.001	PASS

Appendix 3.Peak-to-Average Ratio

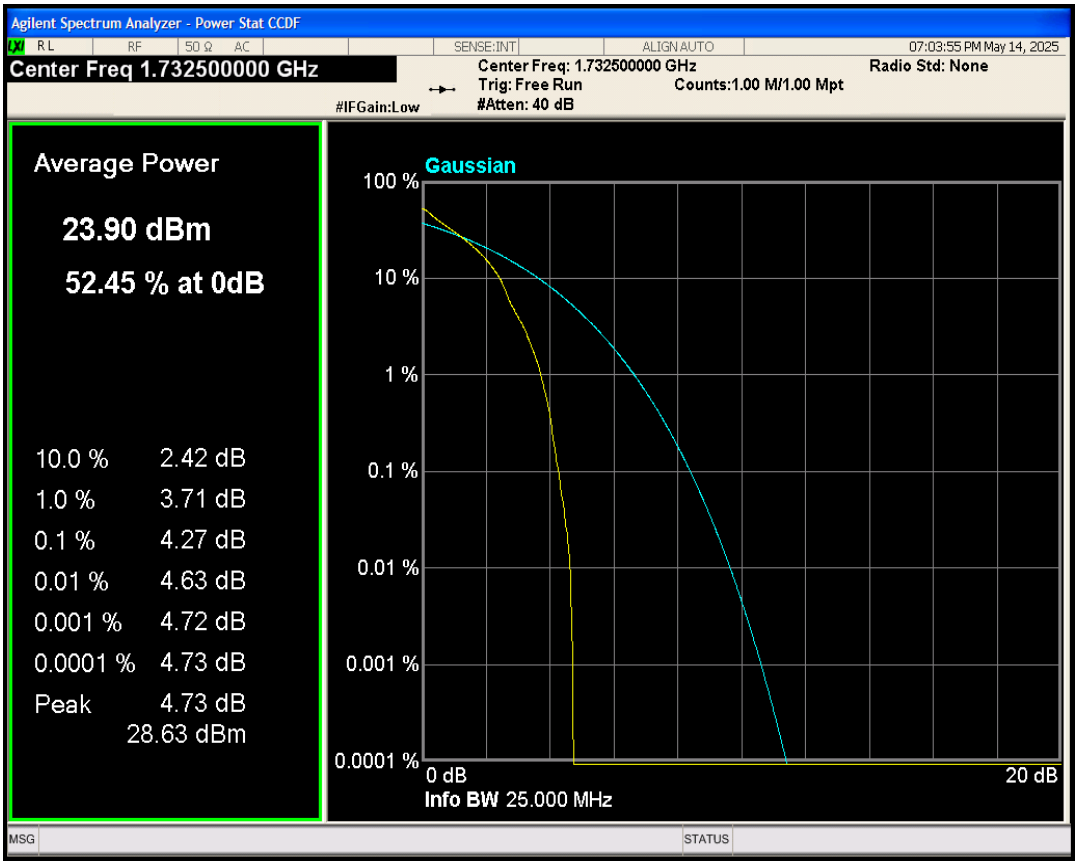
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	4.70	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	5.58	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	4.27	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	5.21	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	3.17	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	3.88	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	4.64	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	5.41	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	4.24	13	PASS
NVNT	Band4	3	20175	1	#0	16QAM	5.18	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	3.11	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	3.85	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	4.60	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	5.23	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	4.40	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	5.00	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	3.23	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	3.92	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	4.51	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	5.41	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	3.98	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	4.90	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	4.05	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	4.80	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	4.51	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	5.39	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	3.65	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	4.26	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	4.39	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	5.27	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	4.42	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	5.02	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	3.24	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	3.99	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	4.03	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	4.95	13	PASS



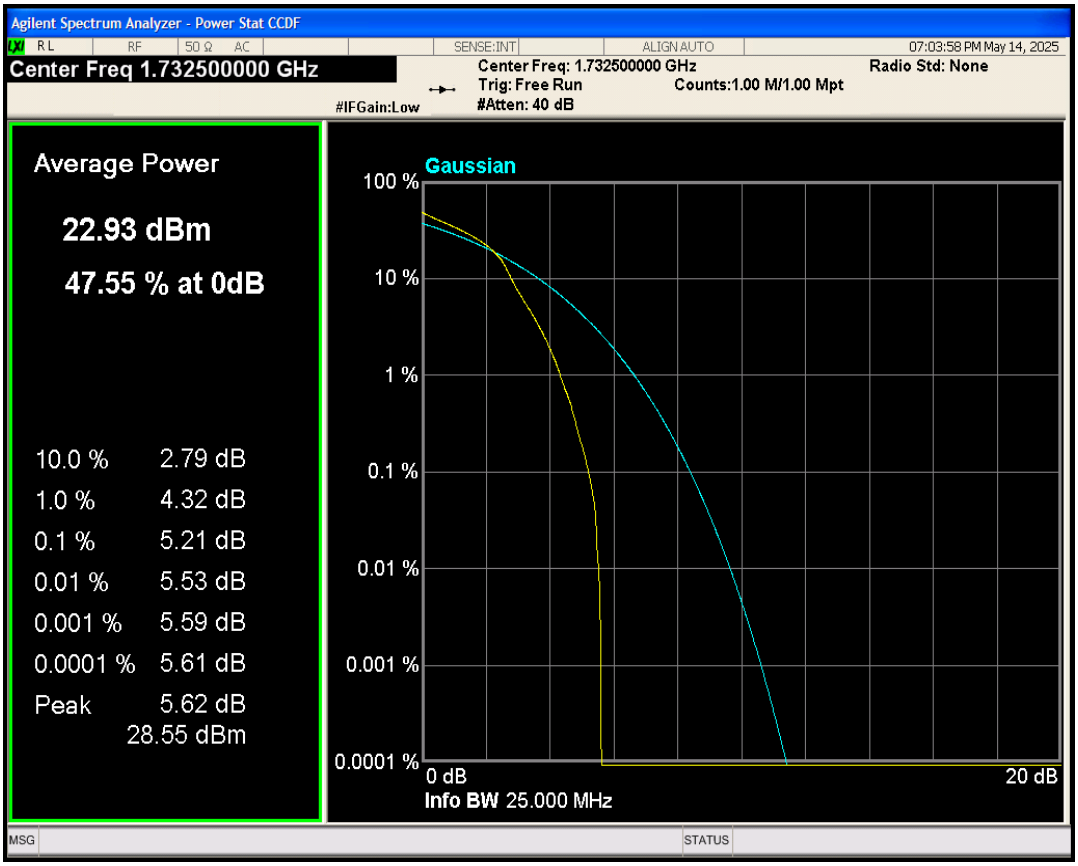
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



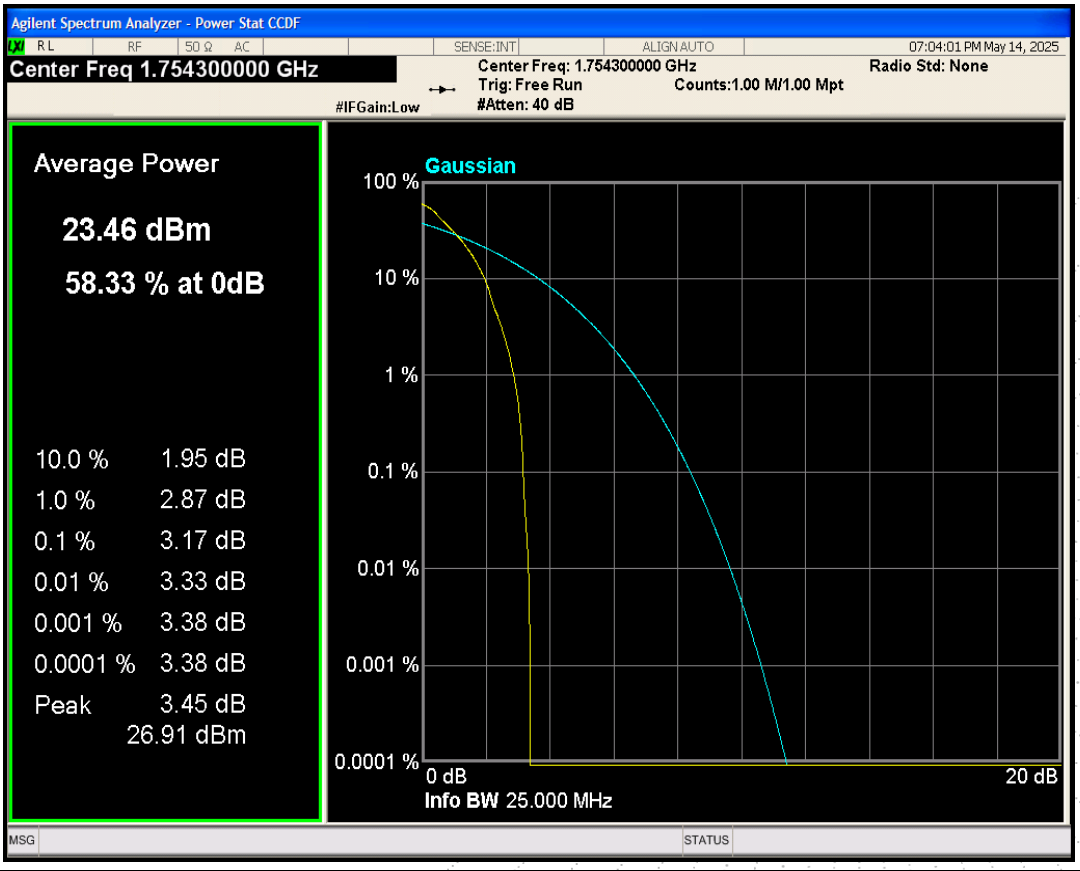
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



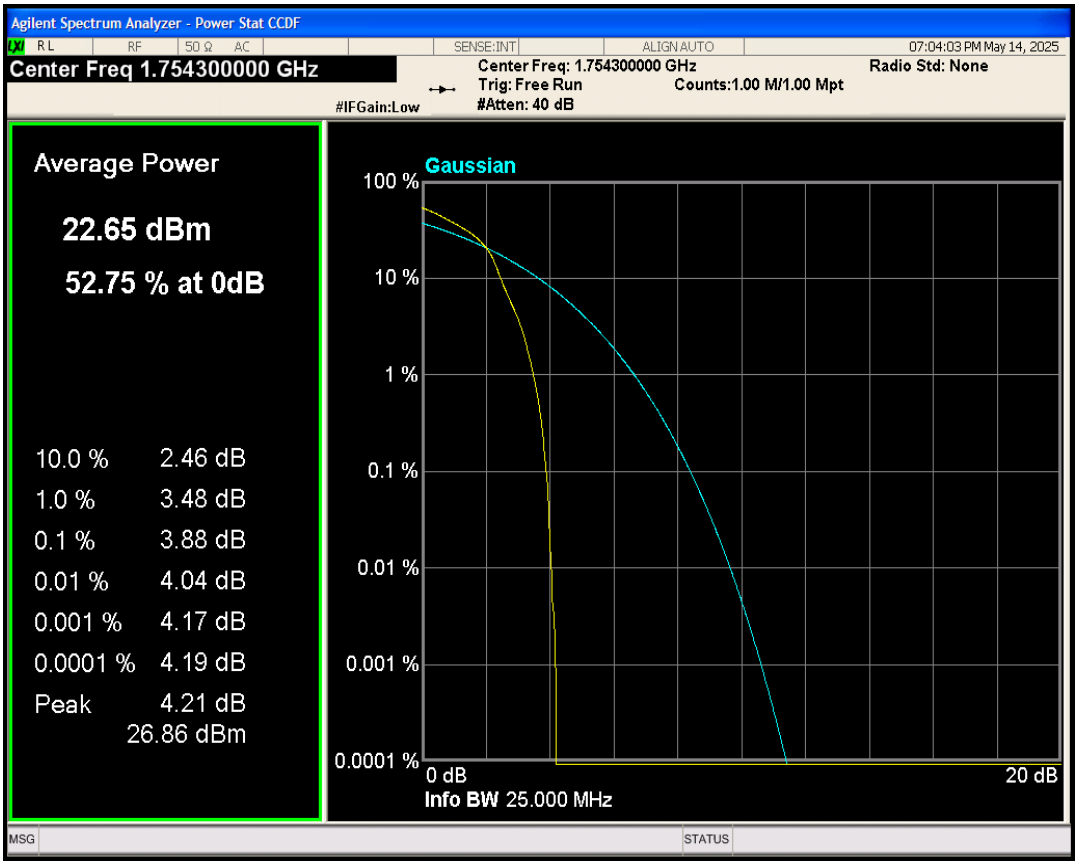
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



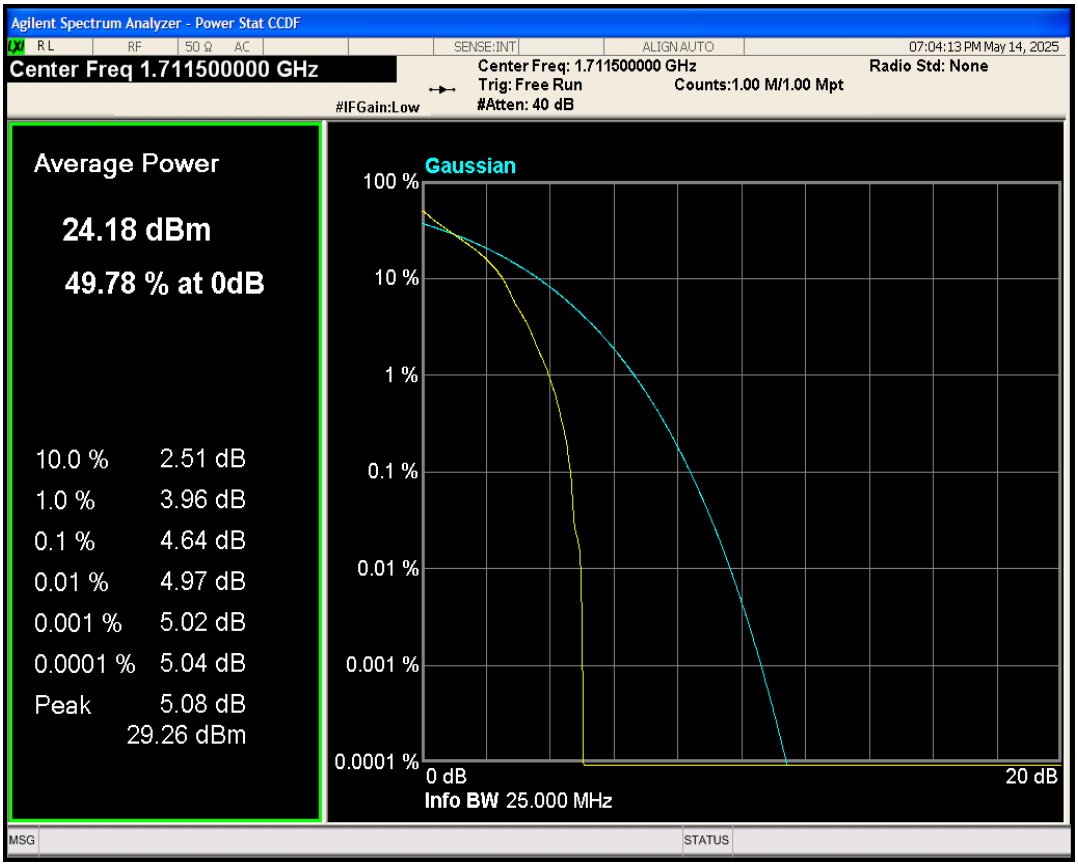
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



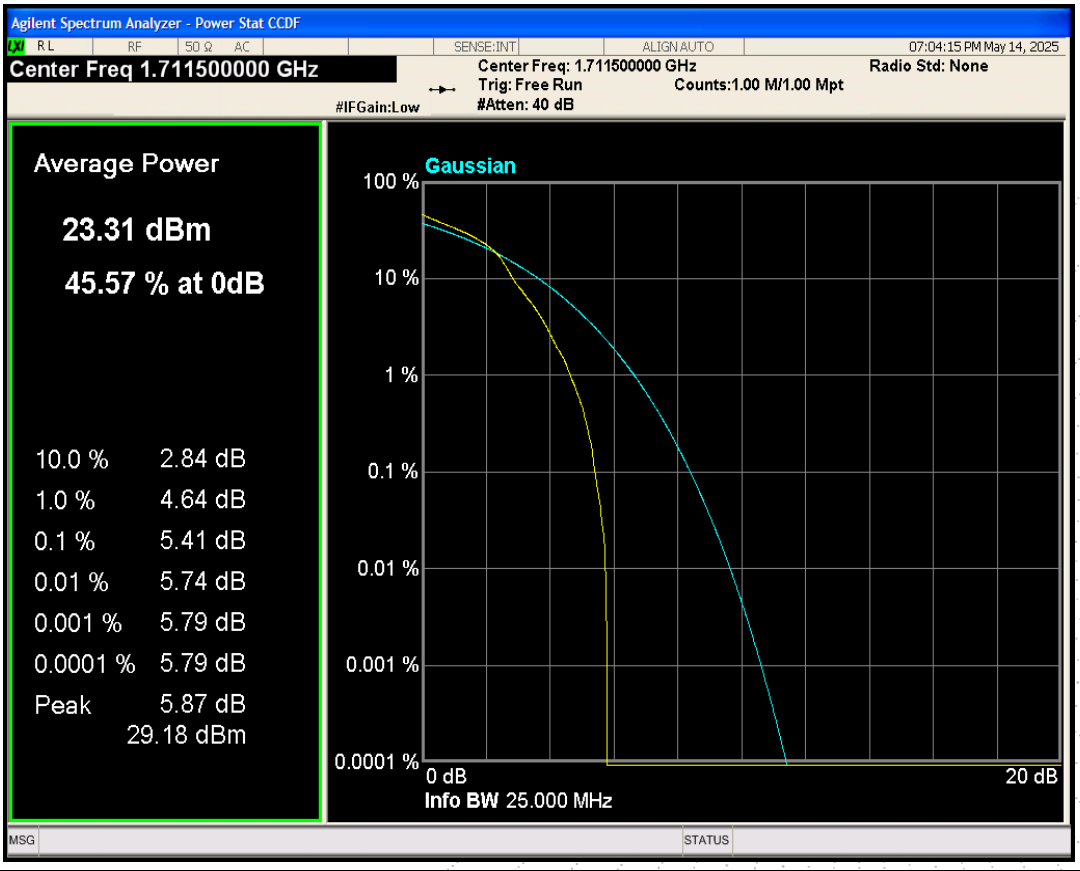
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT



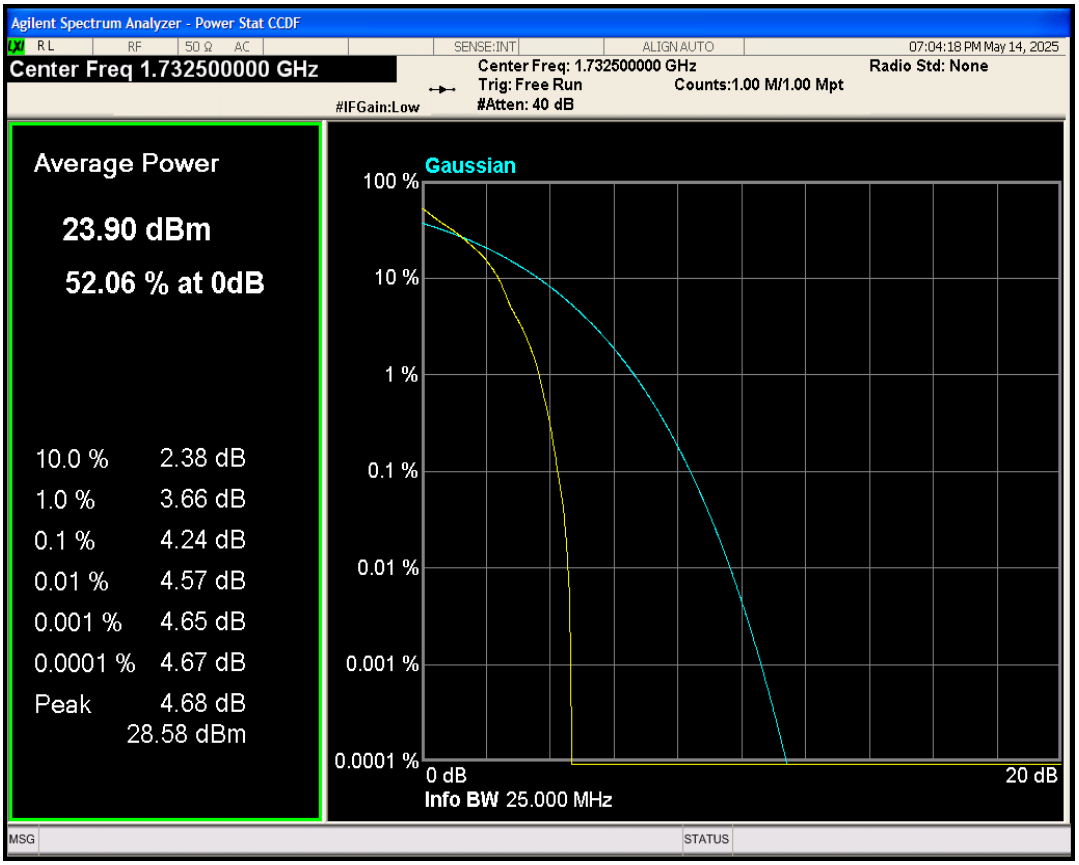
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT



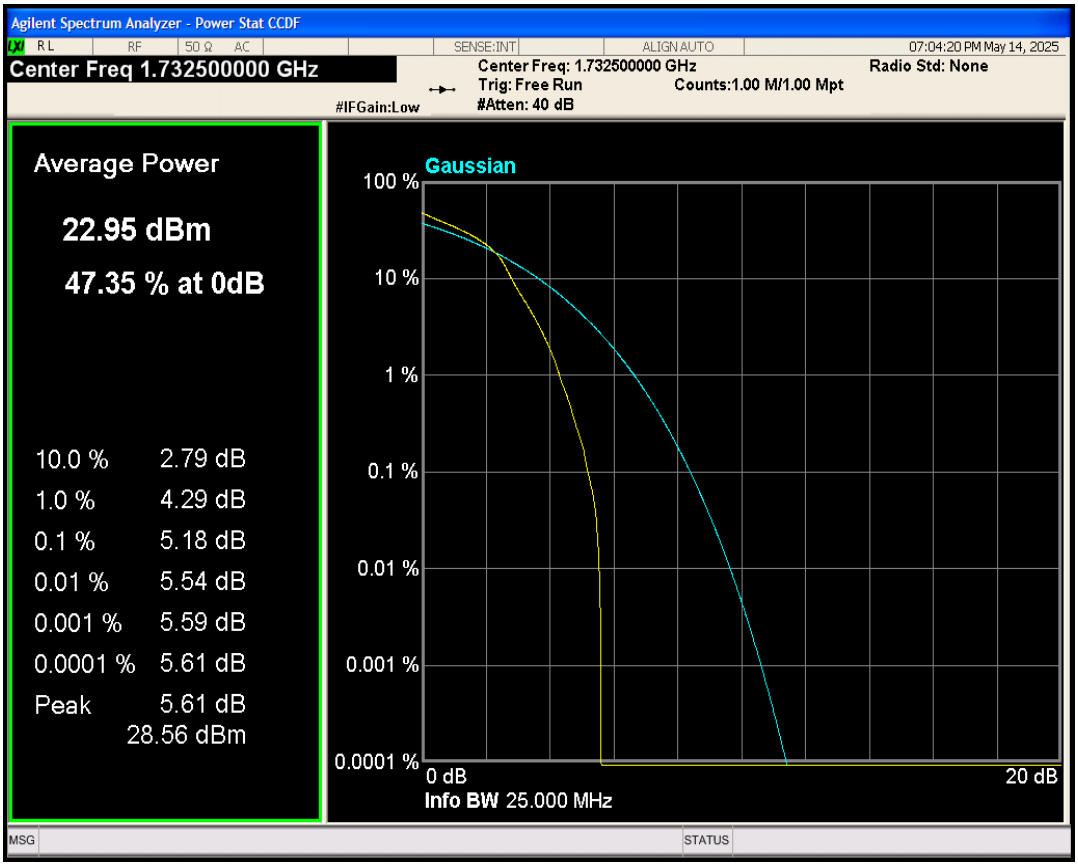
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT



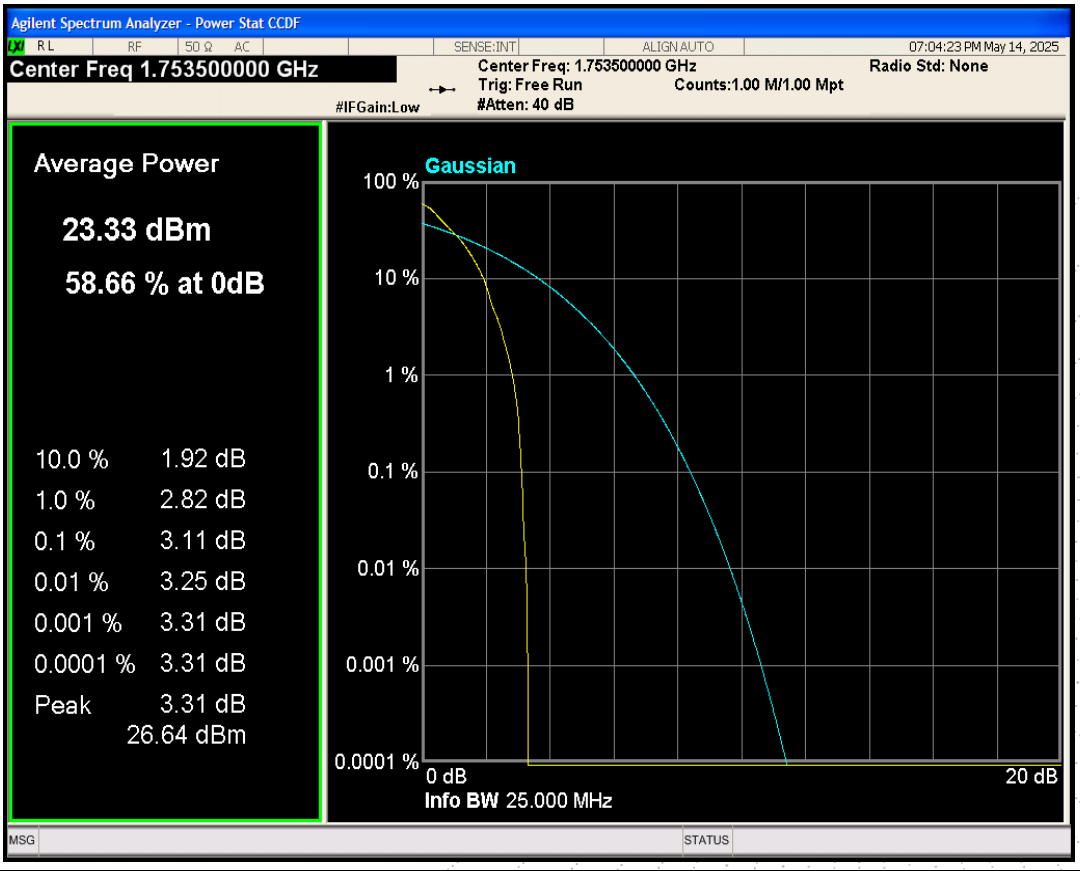
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT



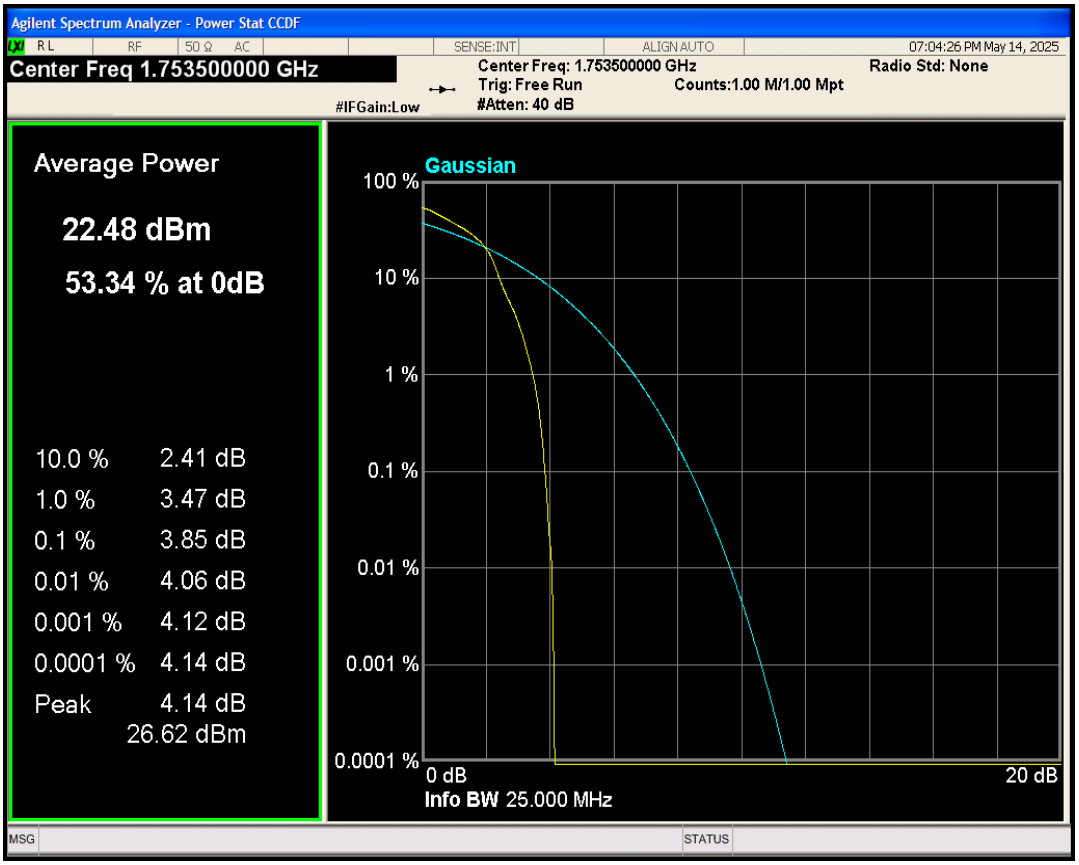
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT



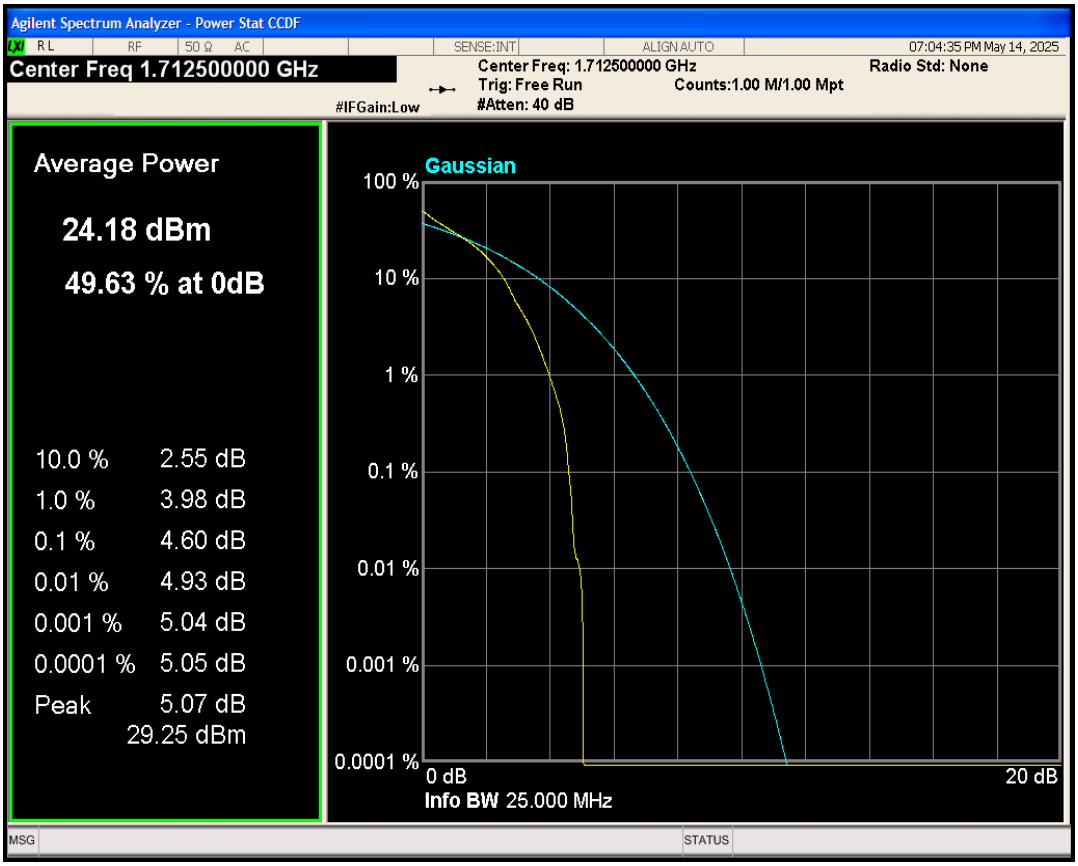
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT



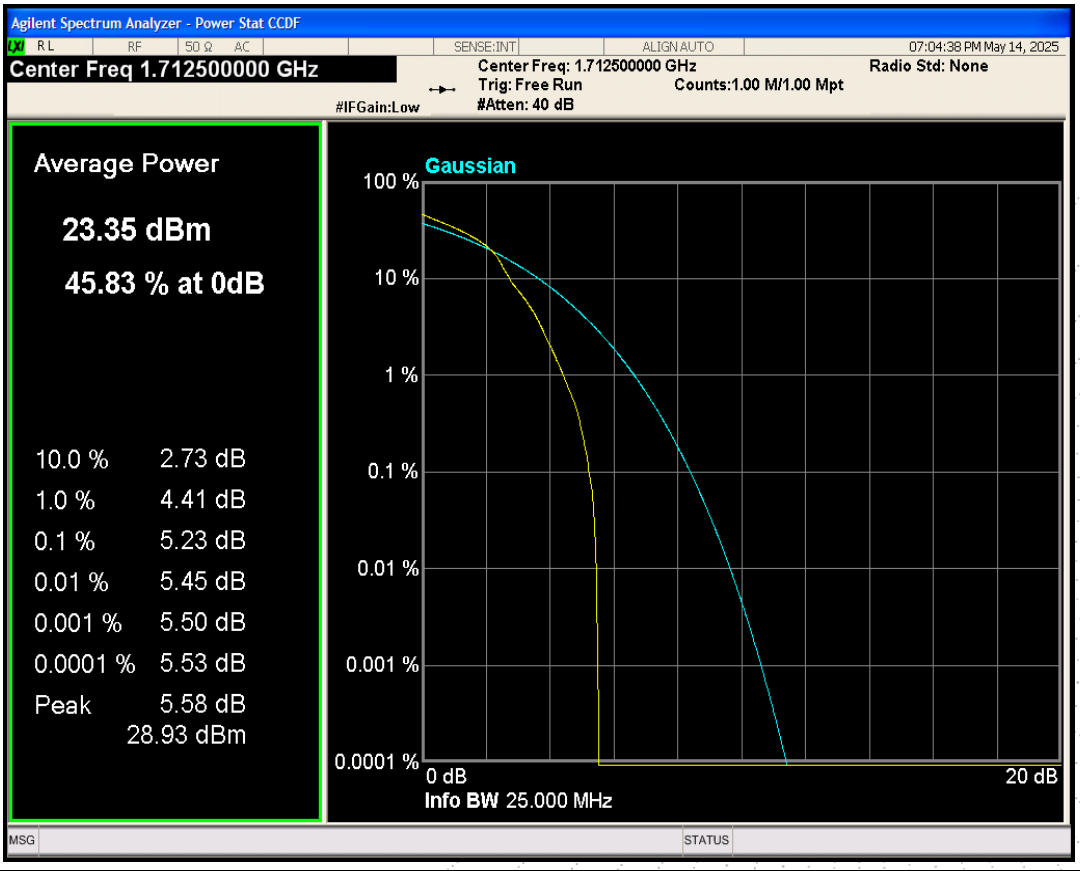
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0 NVNT



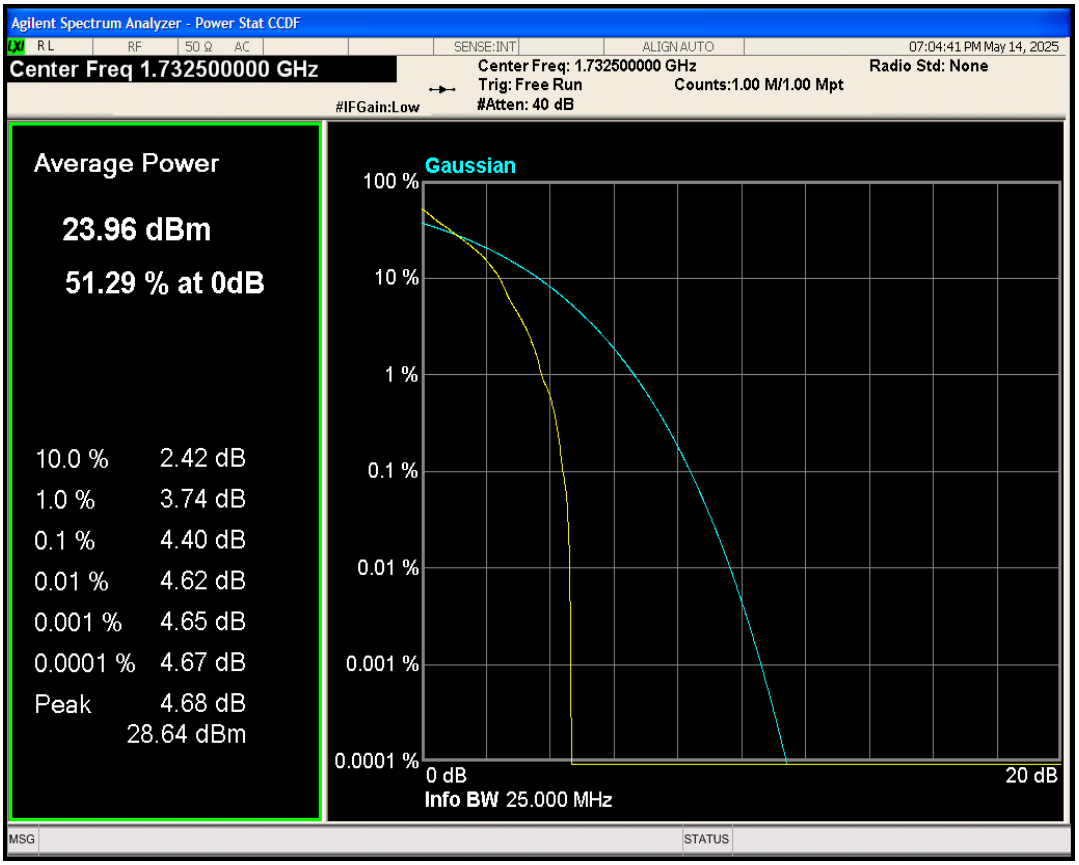
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0 NVNT



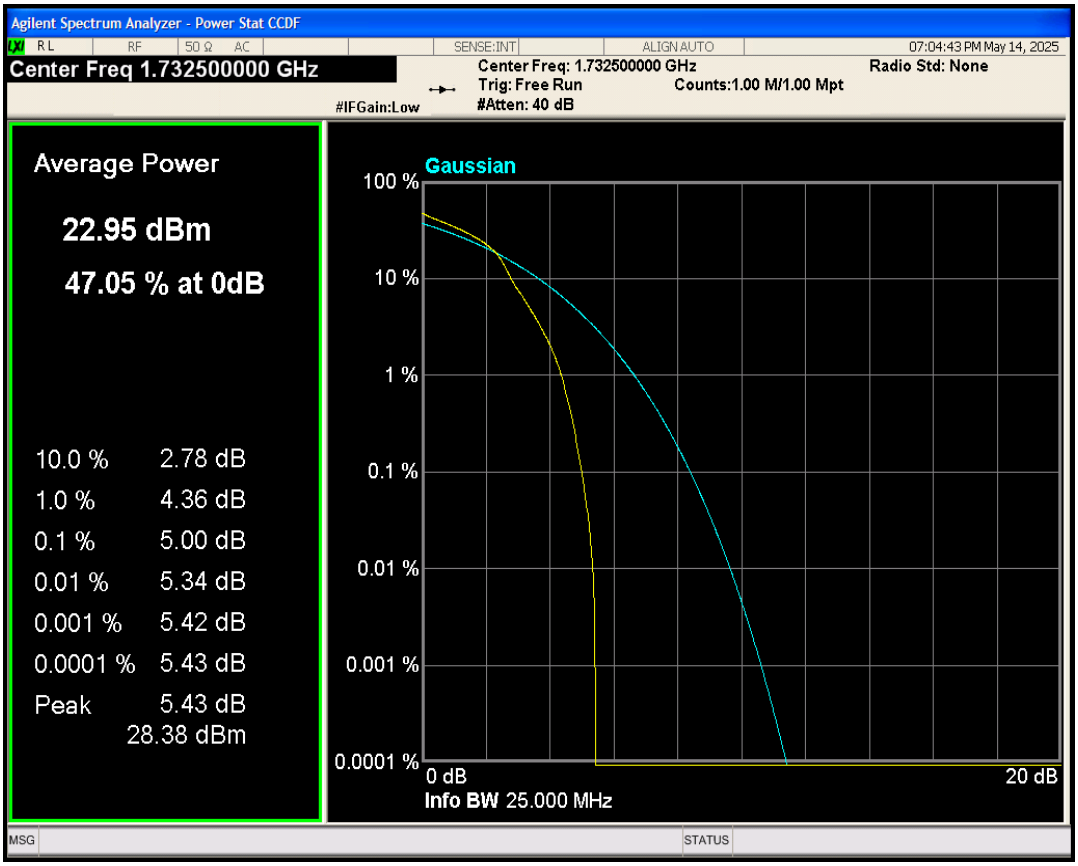
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT



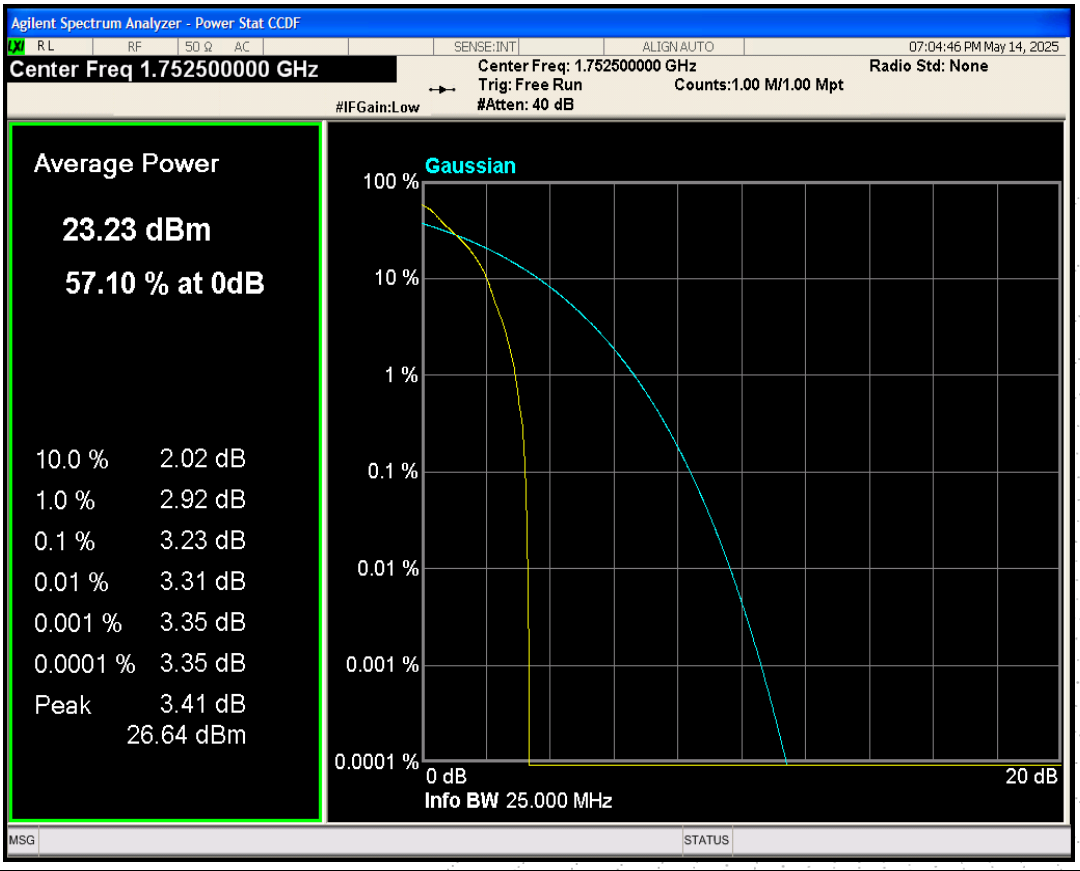
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT



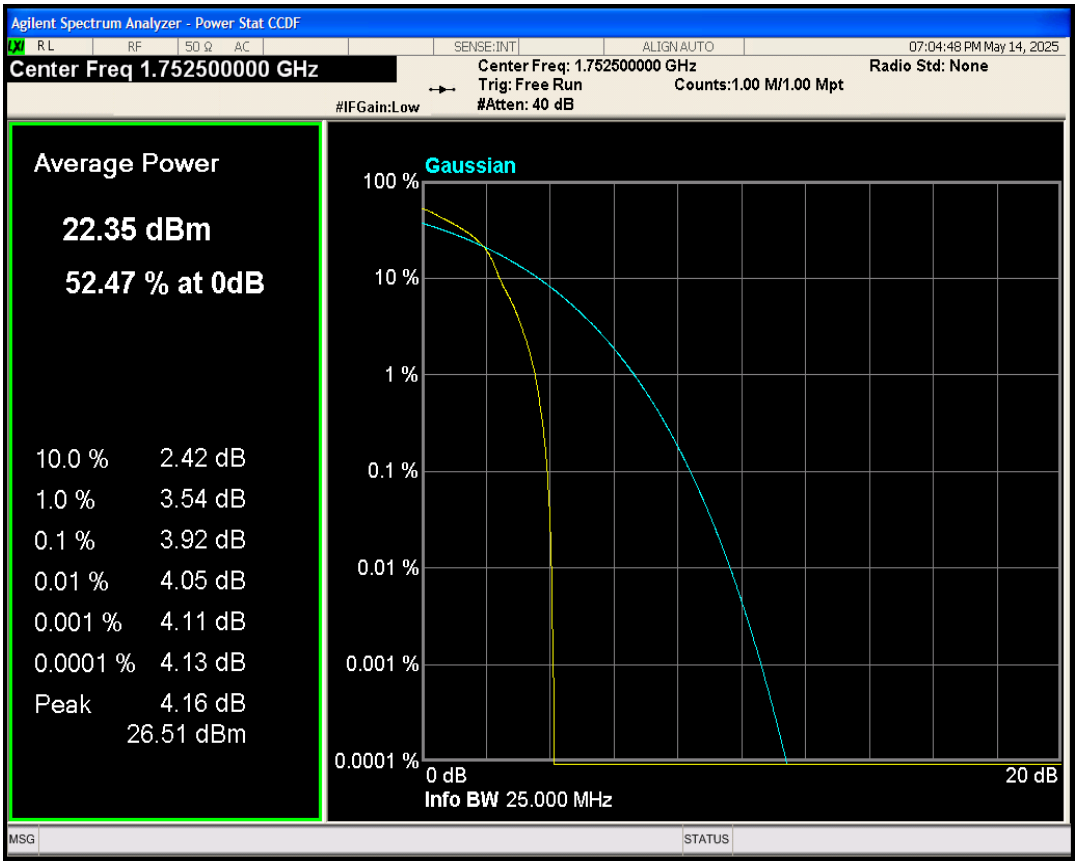
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



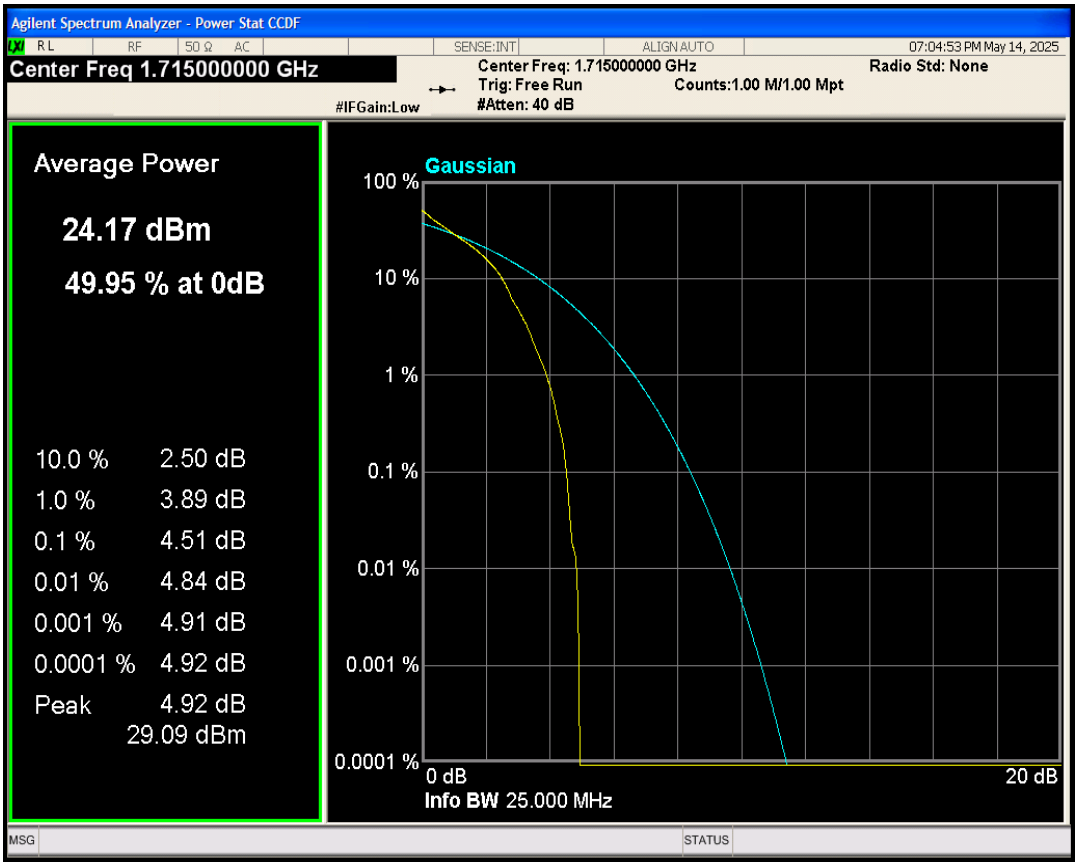
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



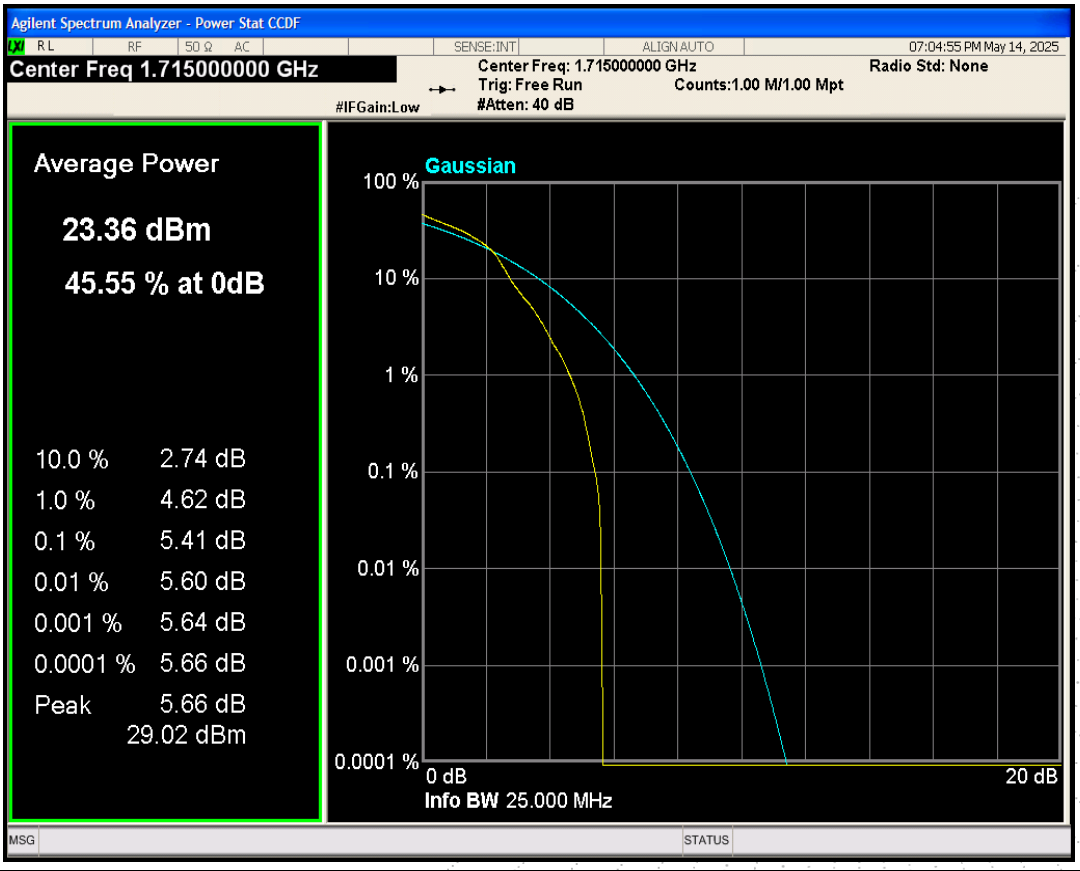
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0 NVNT



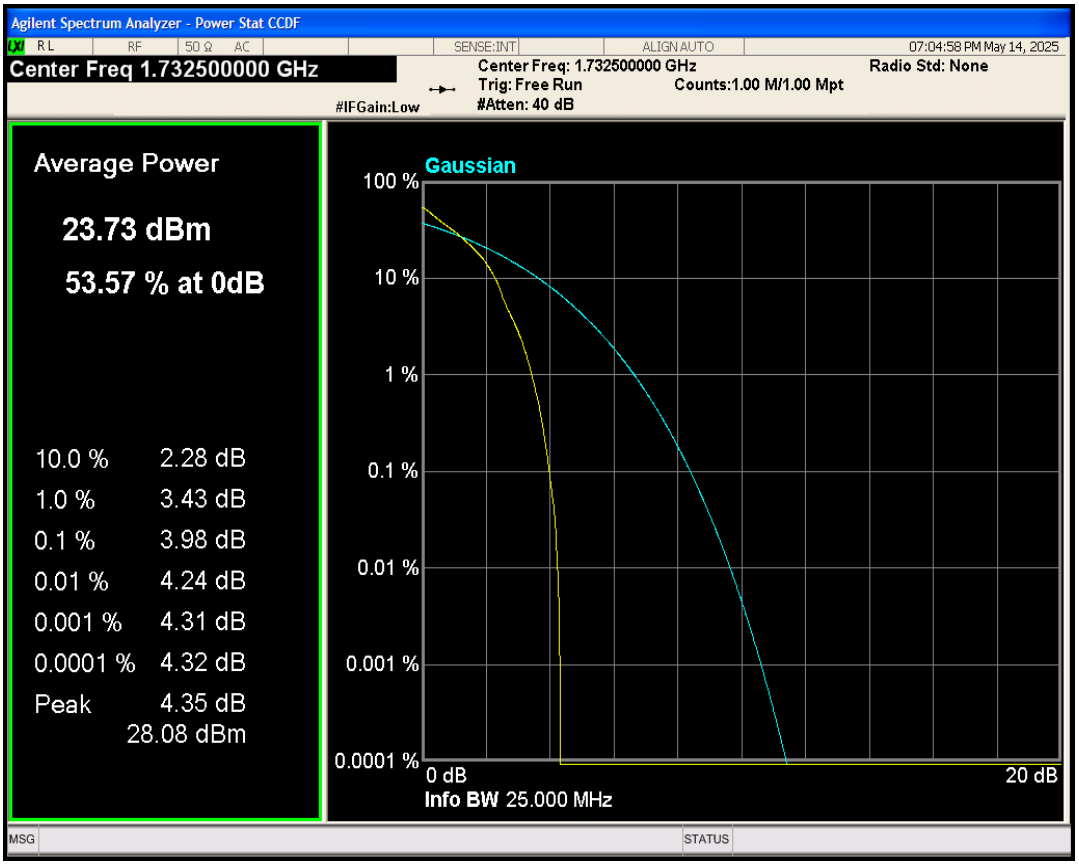
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0 NVNT



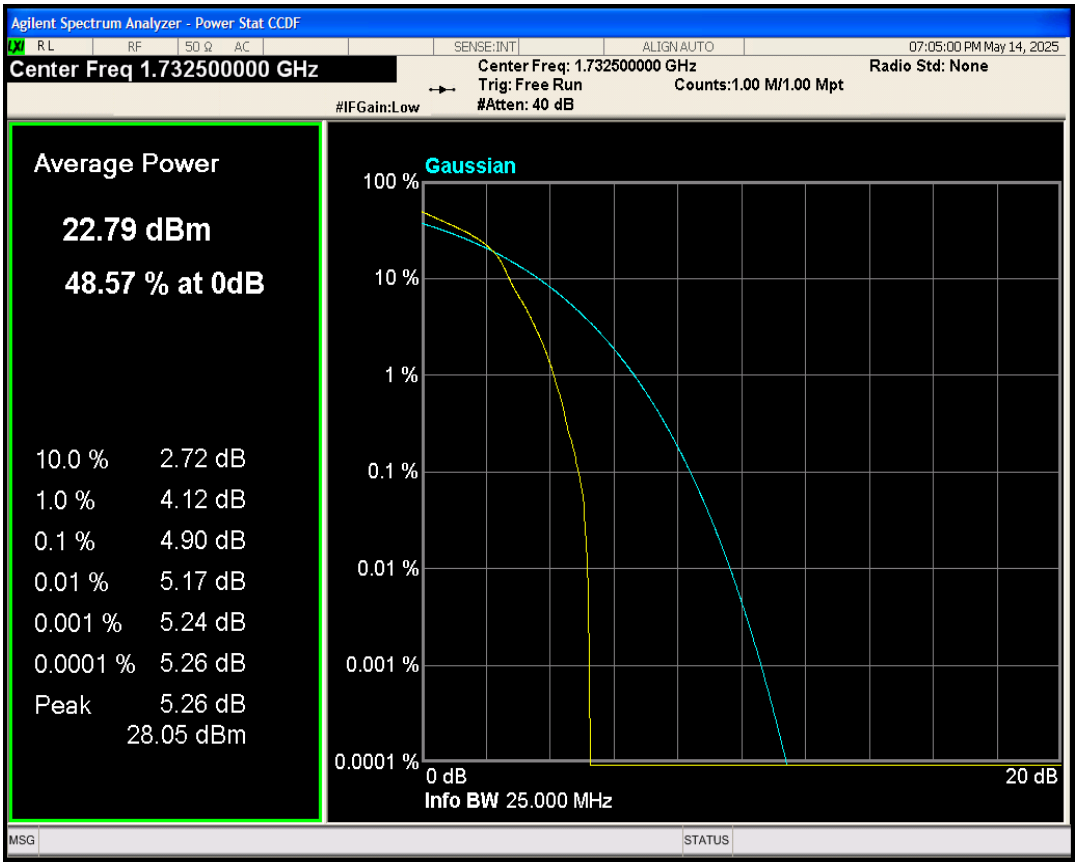
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT



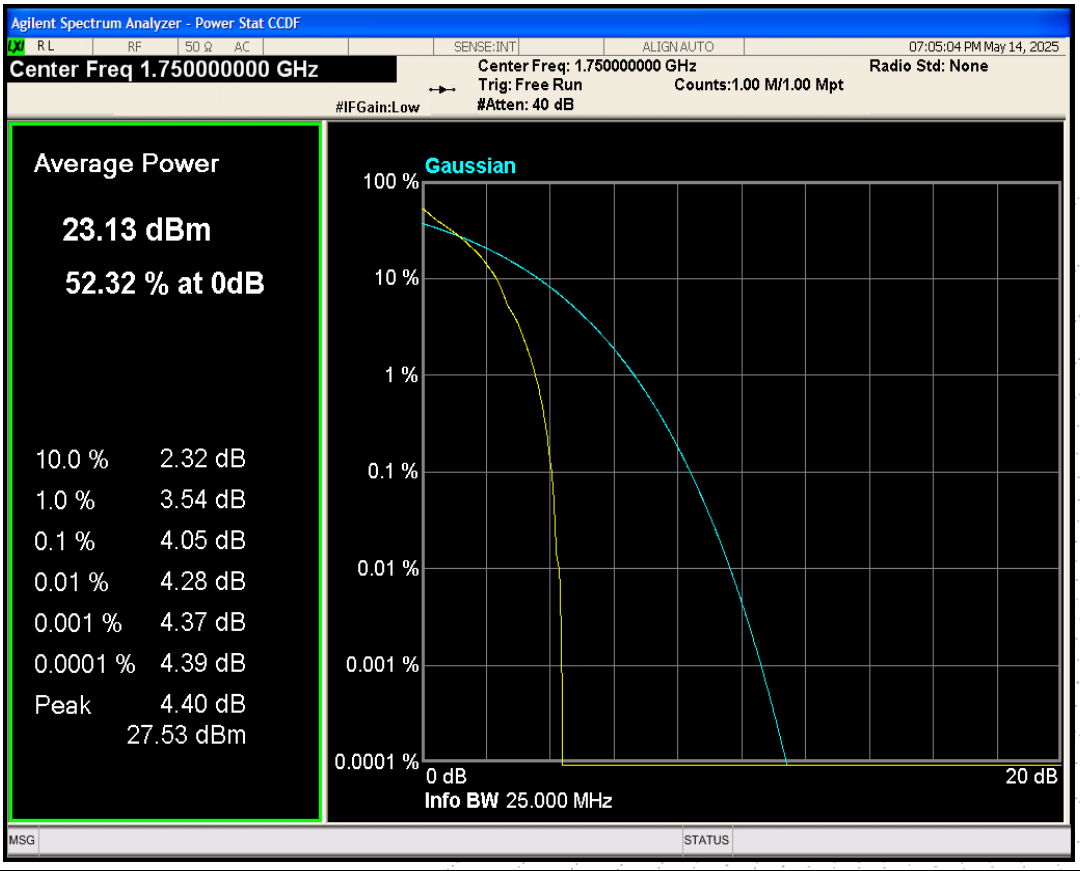
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT



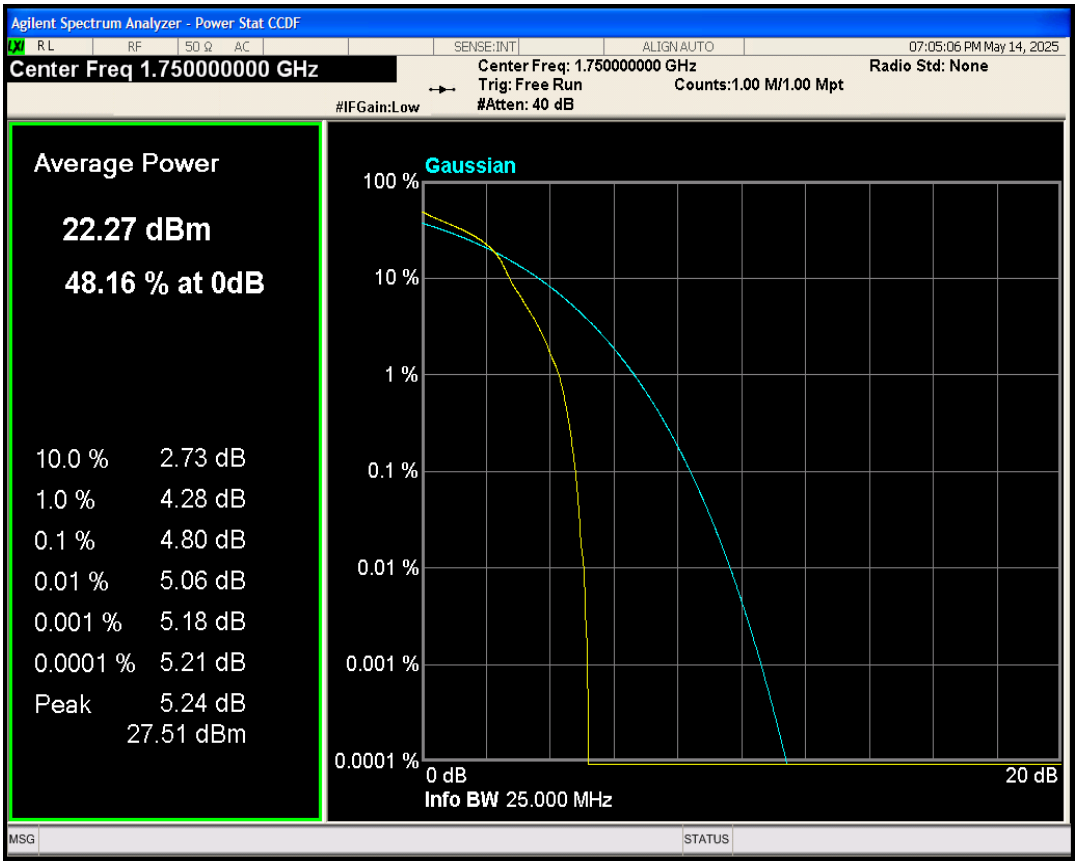
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT



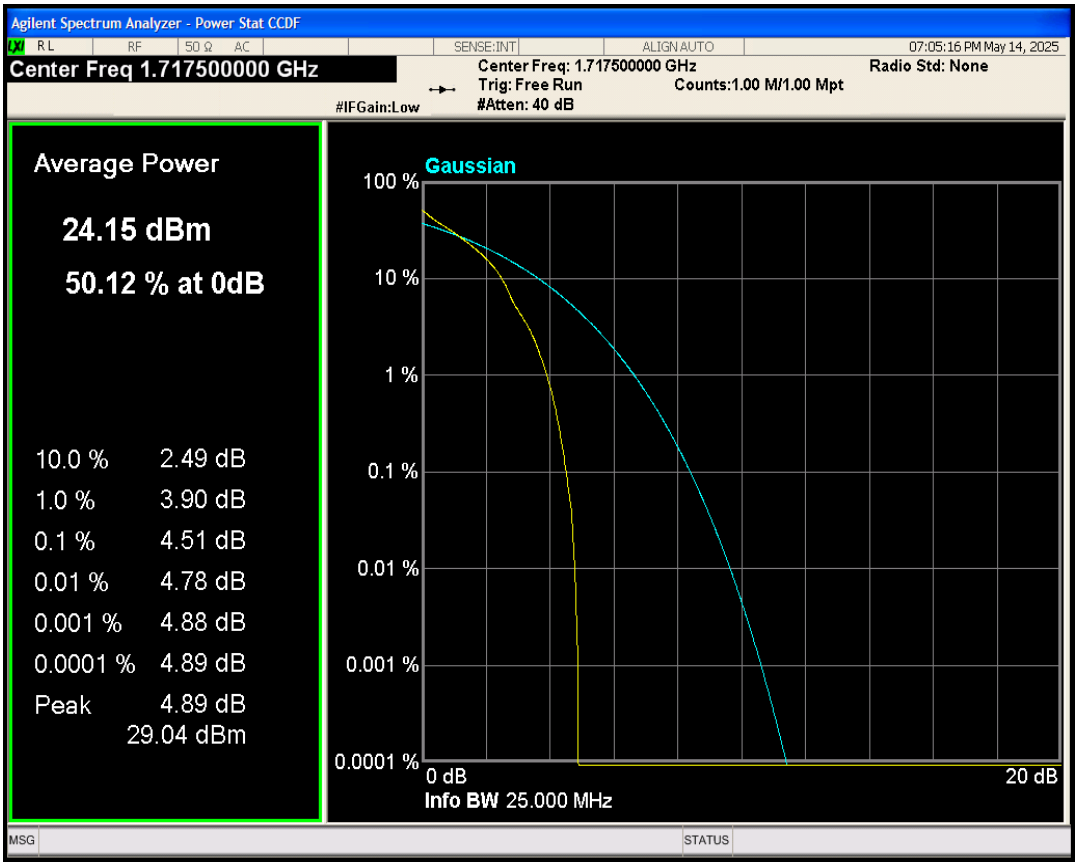
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT



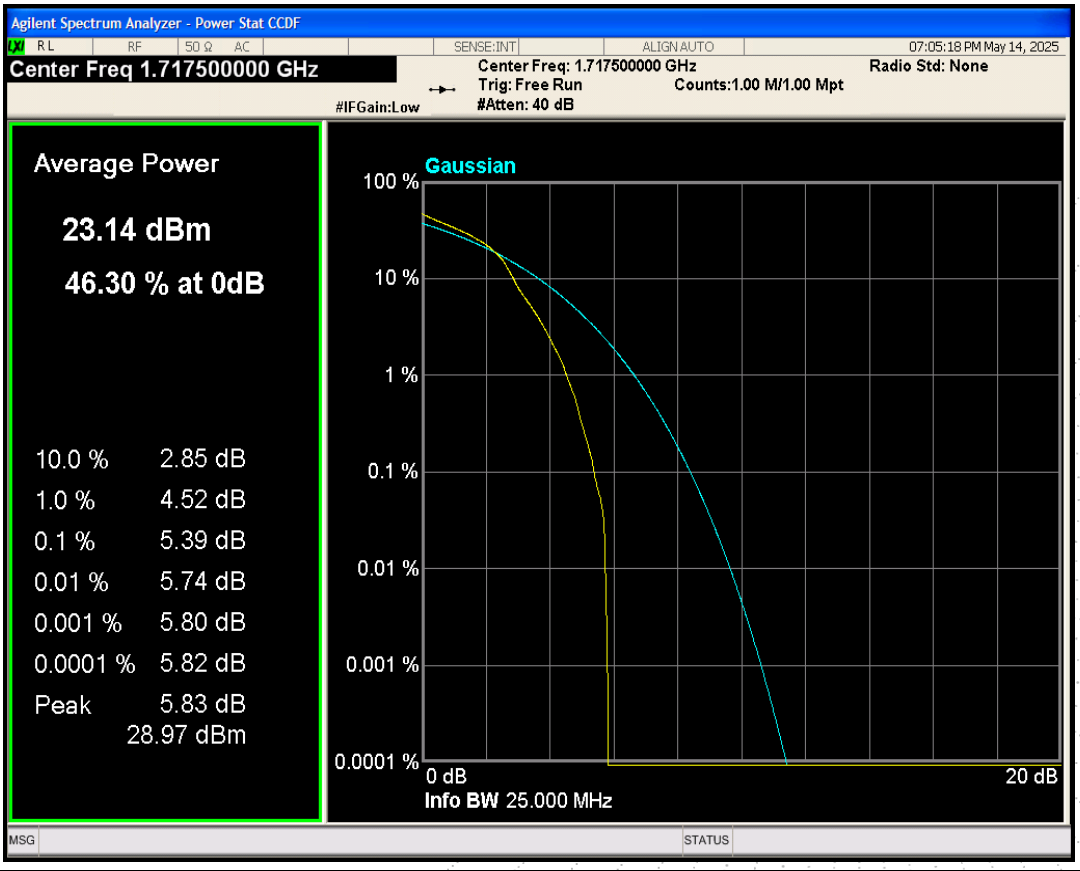
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



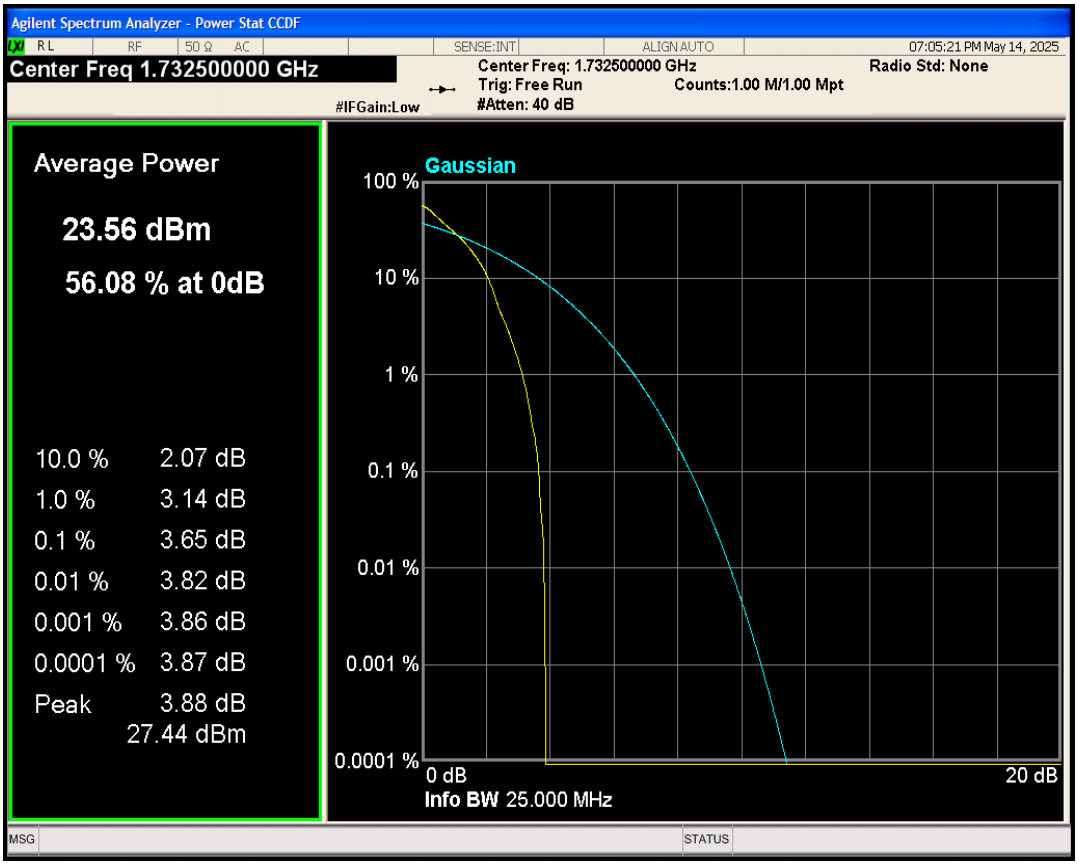
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



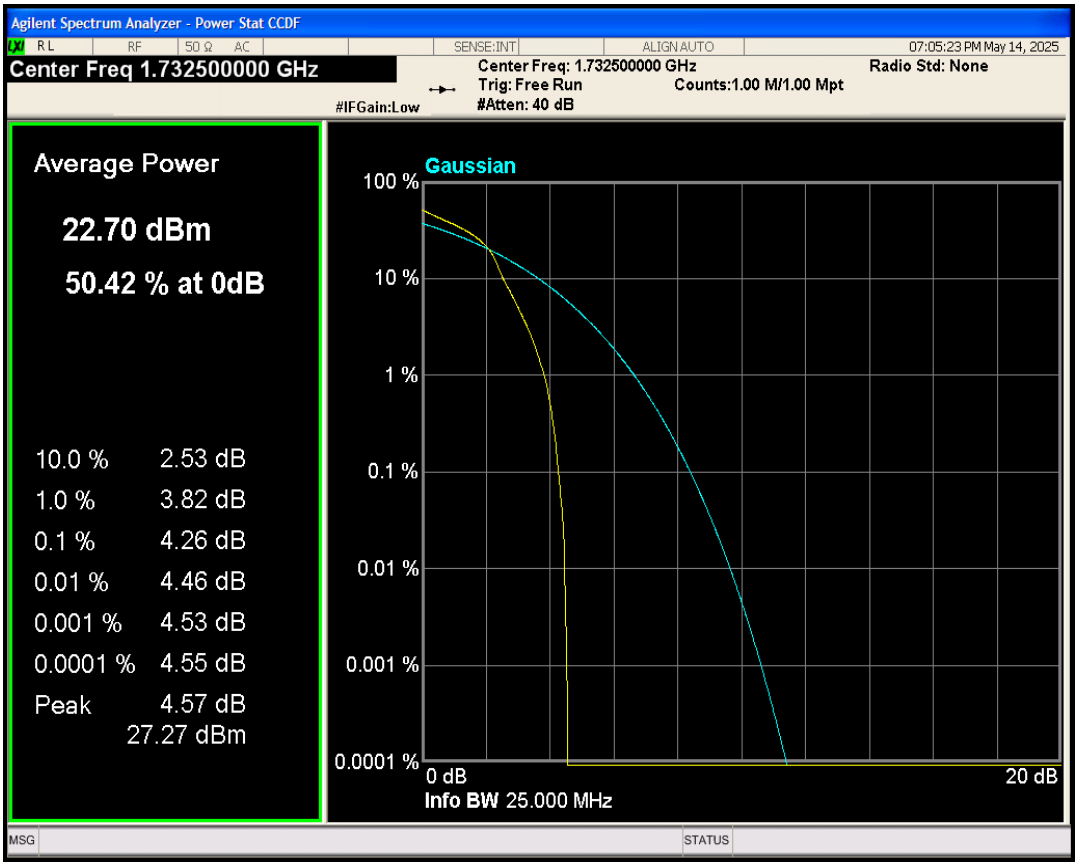
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



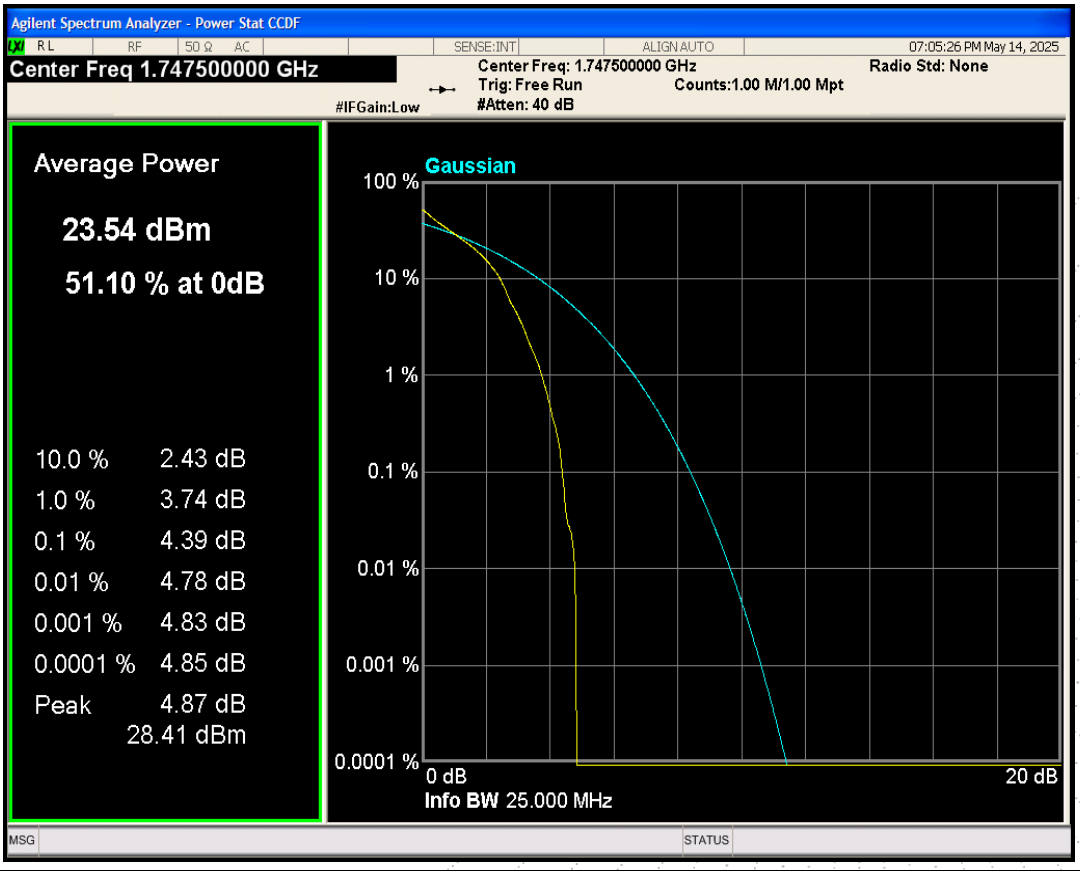
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



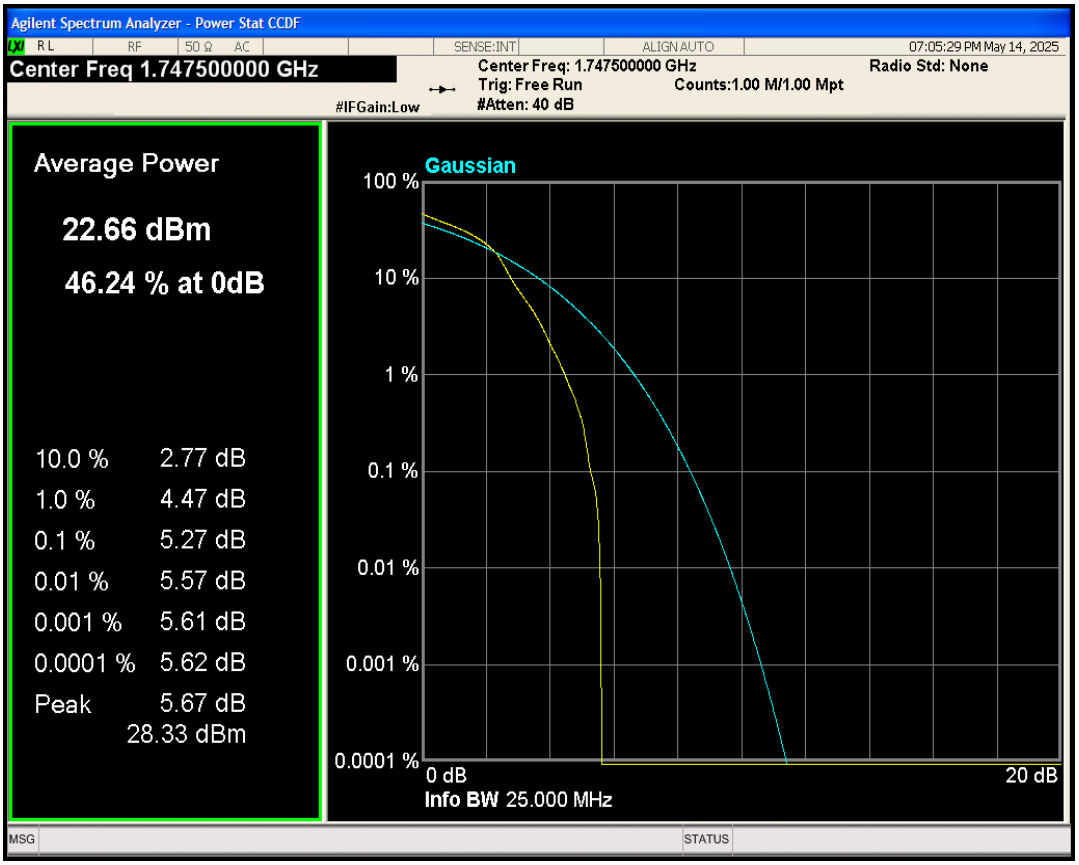
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



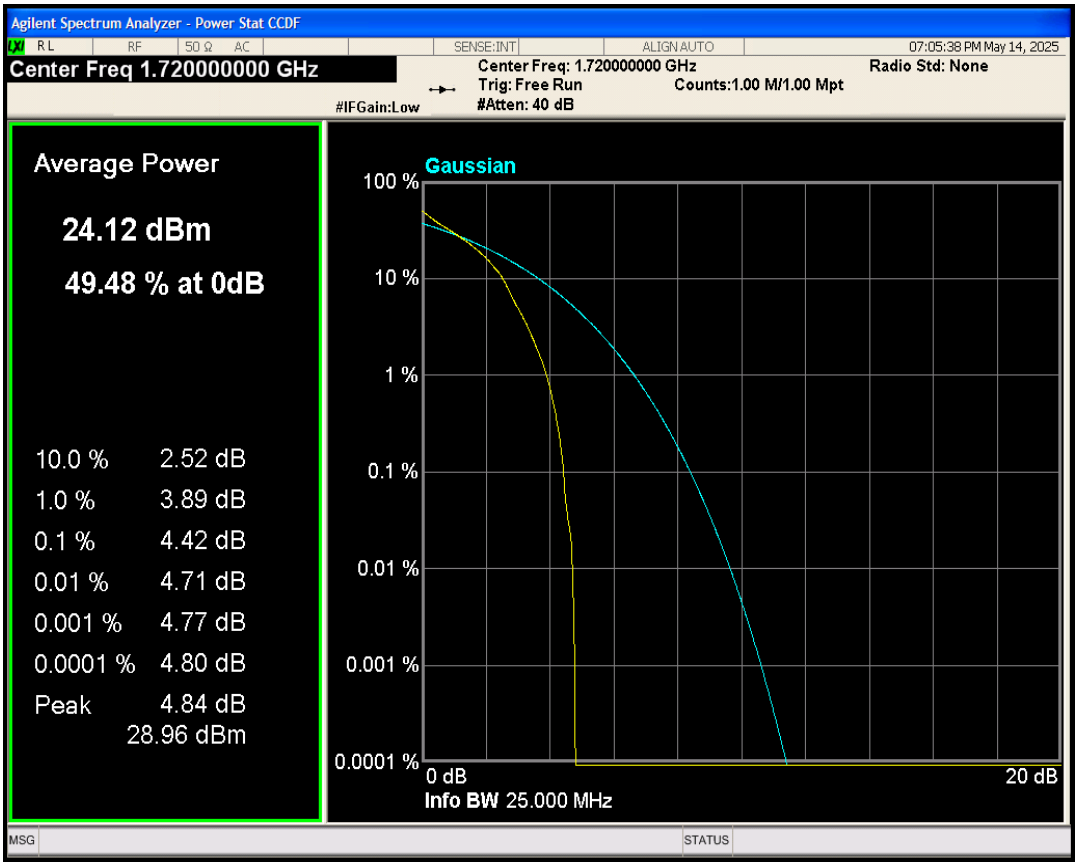
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



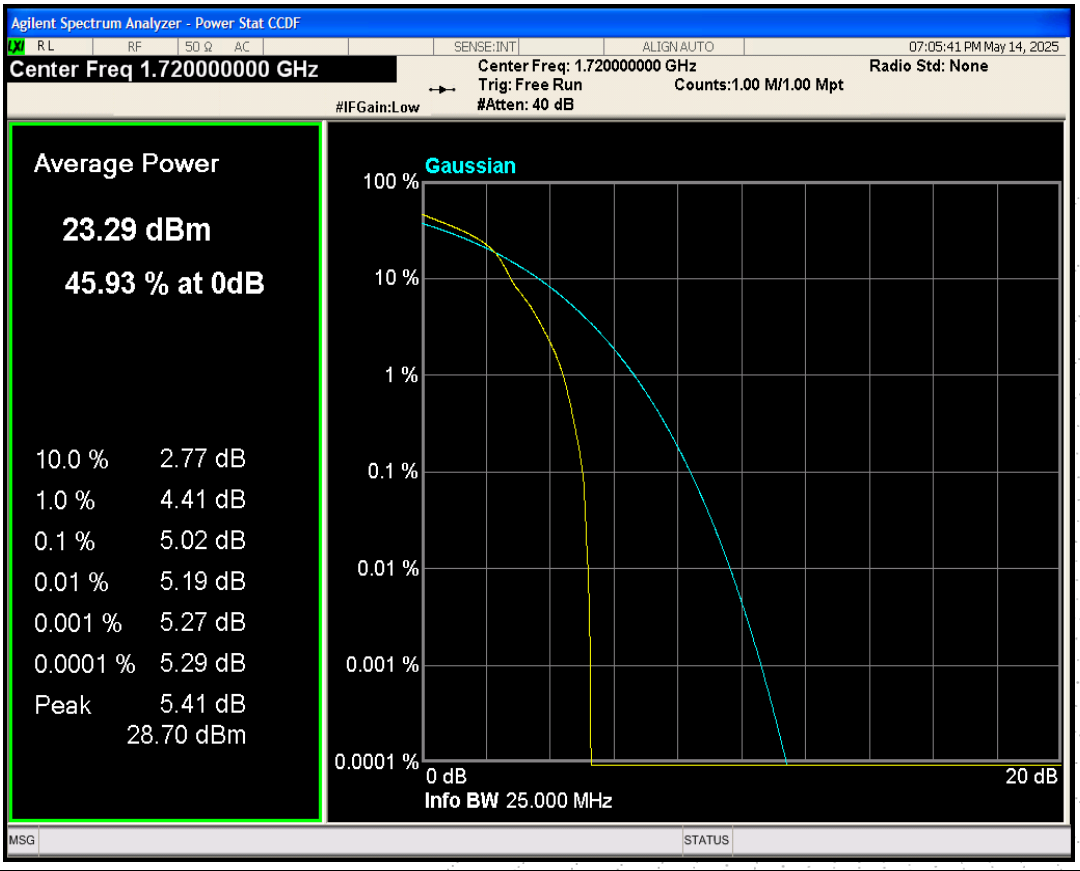
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



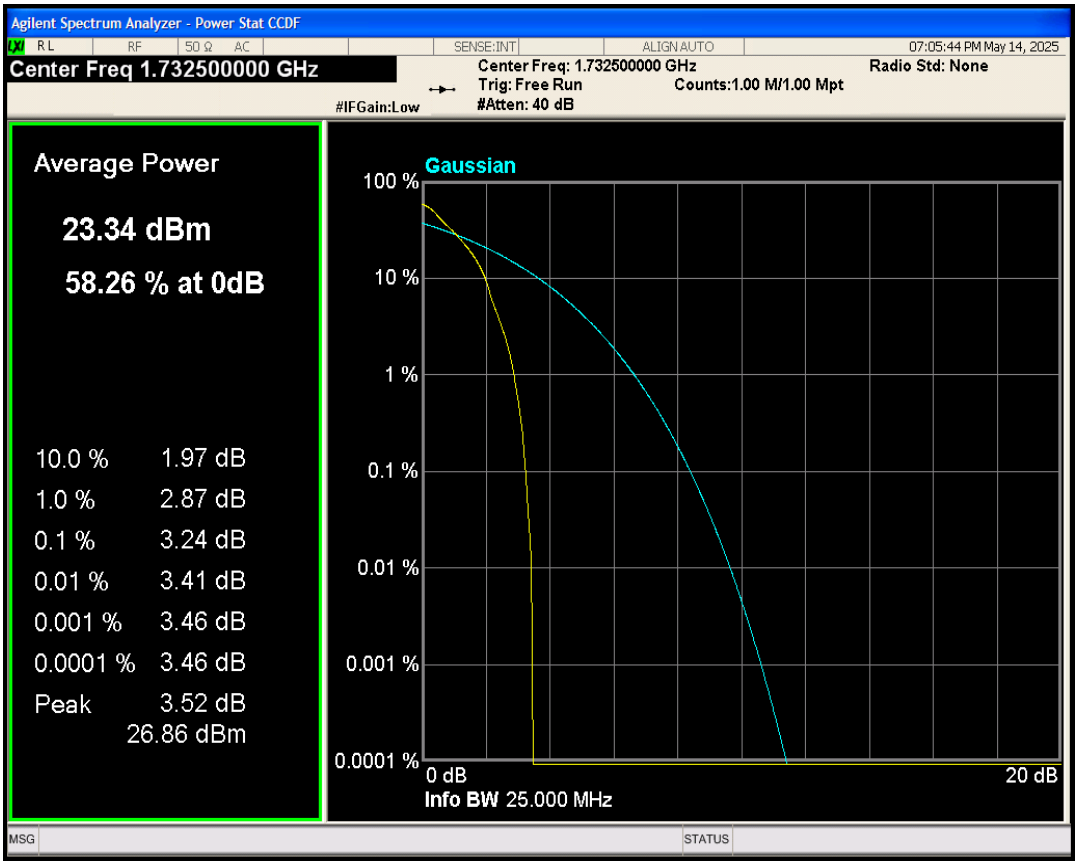
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



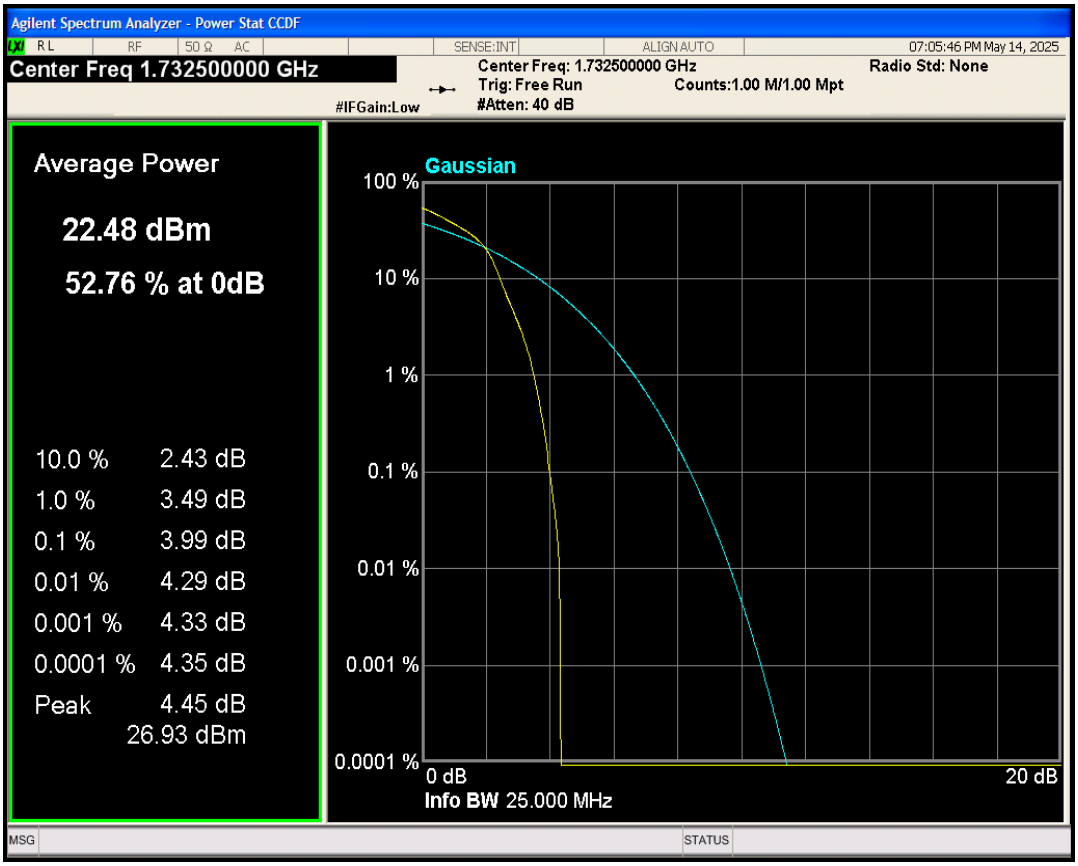
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



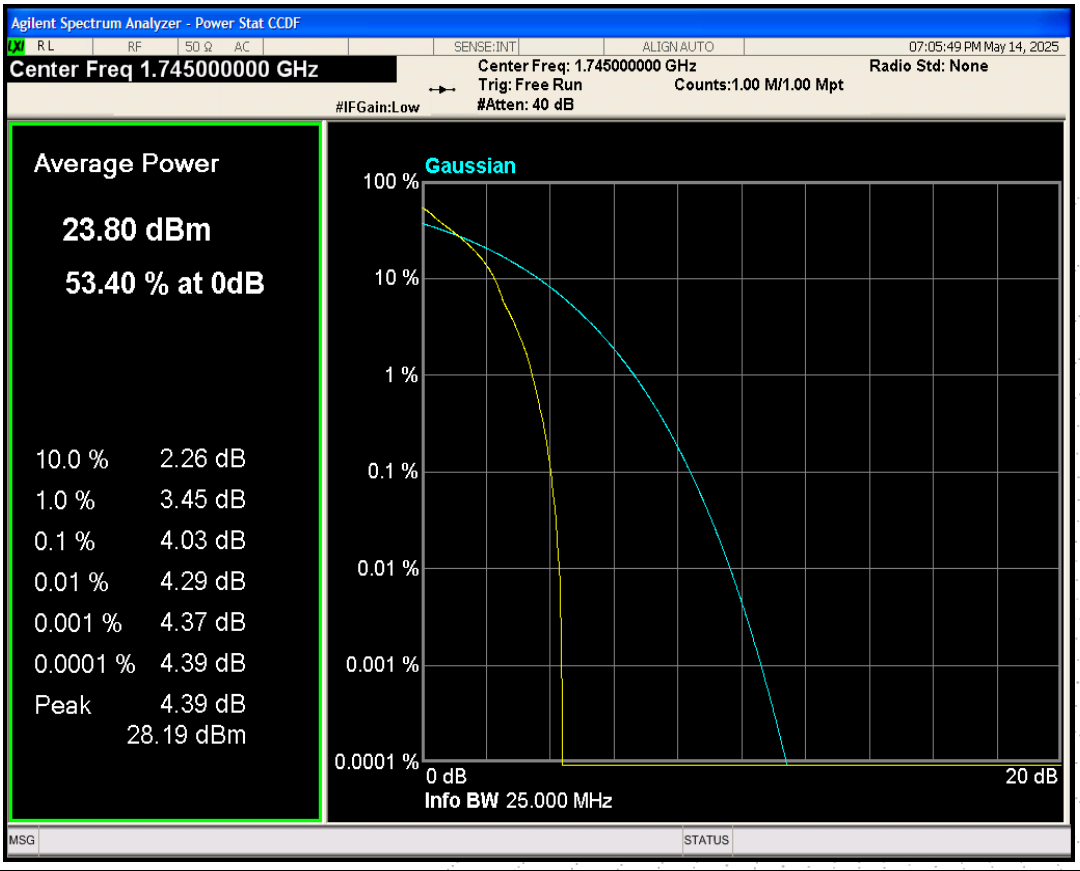
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



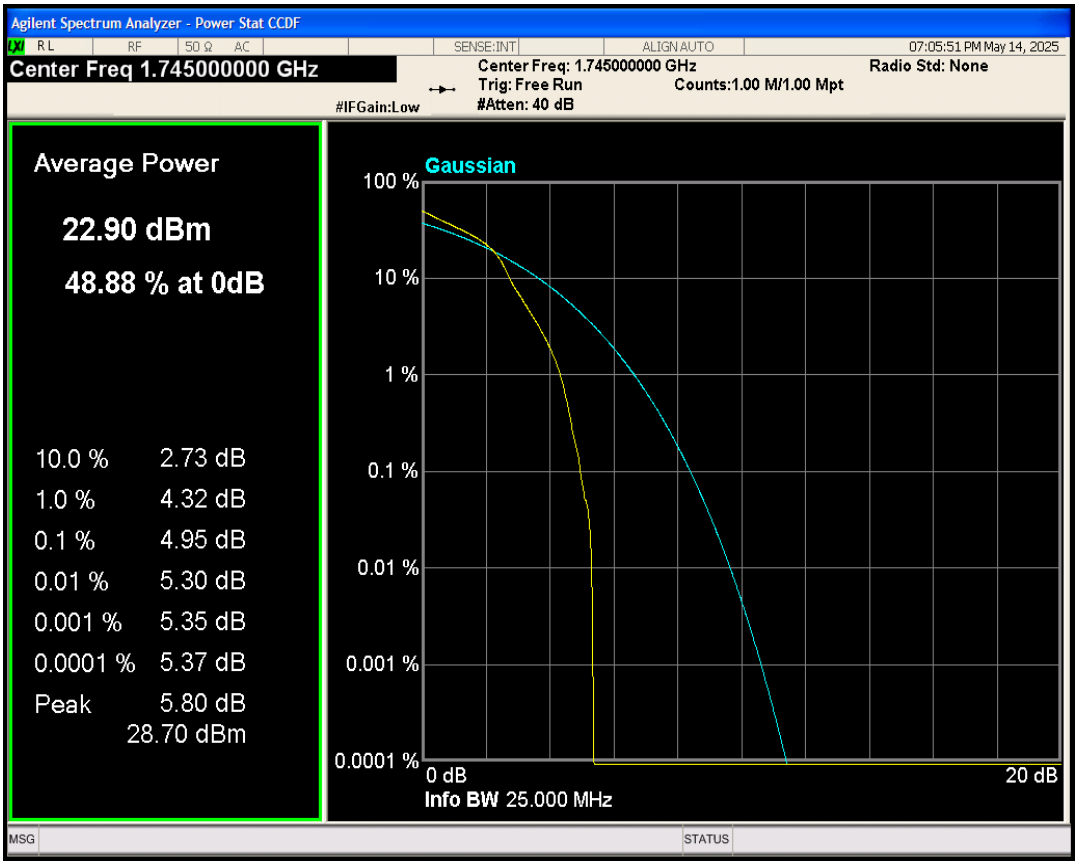
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



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



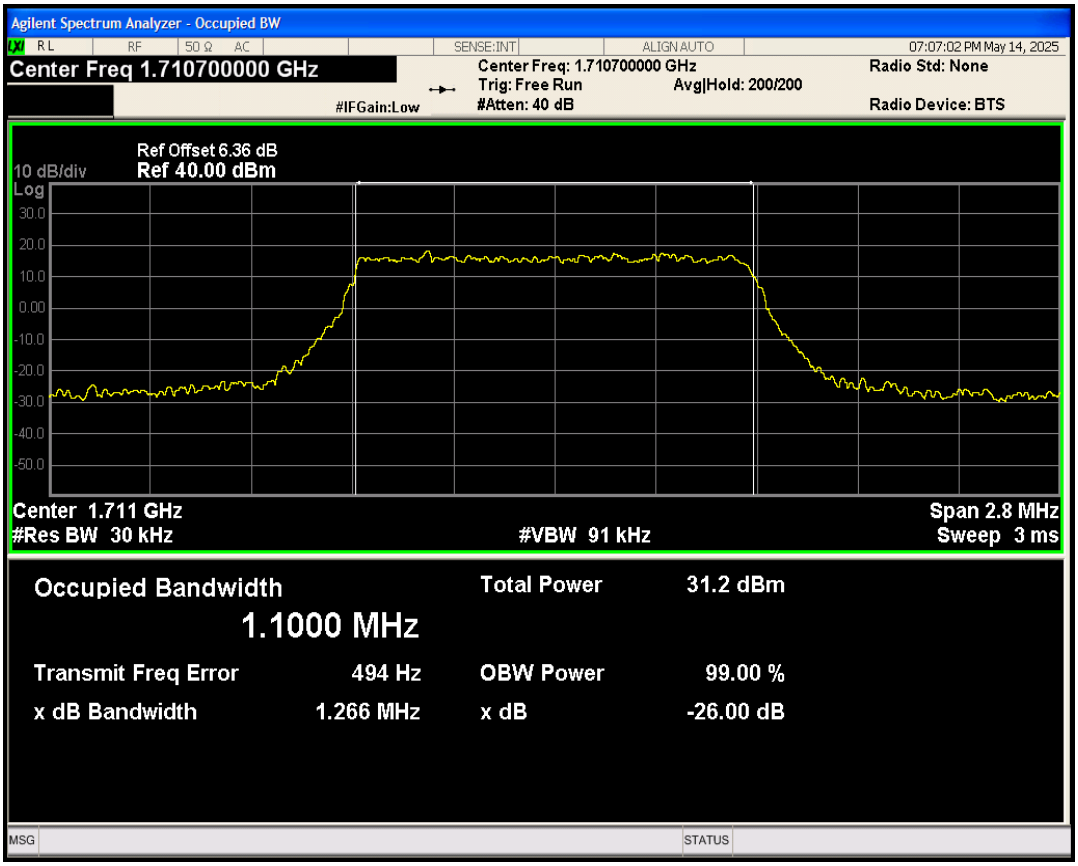
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT



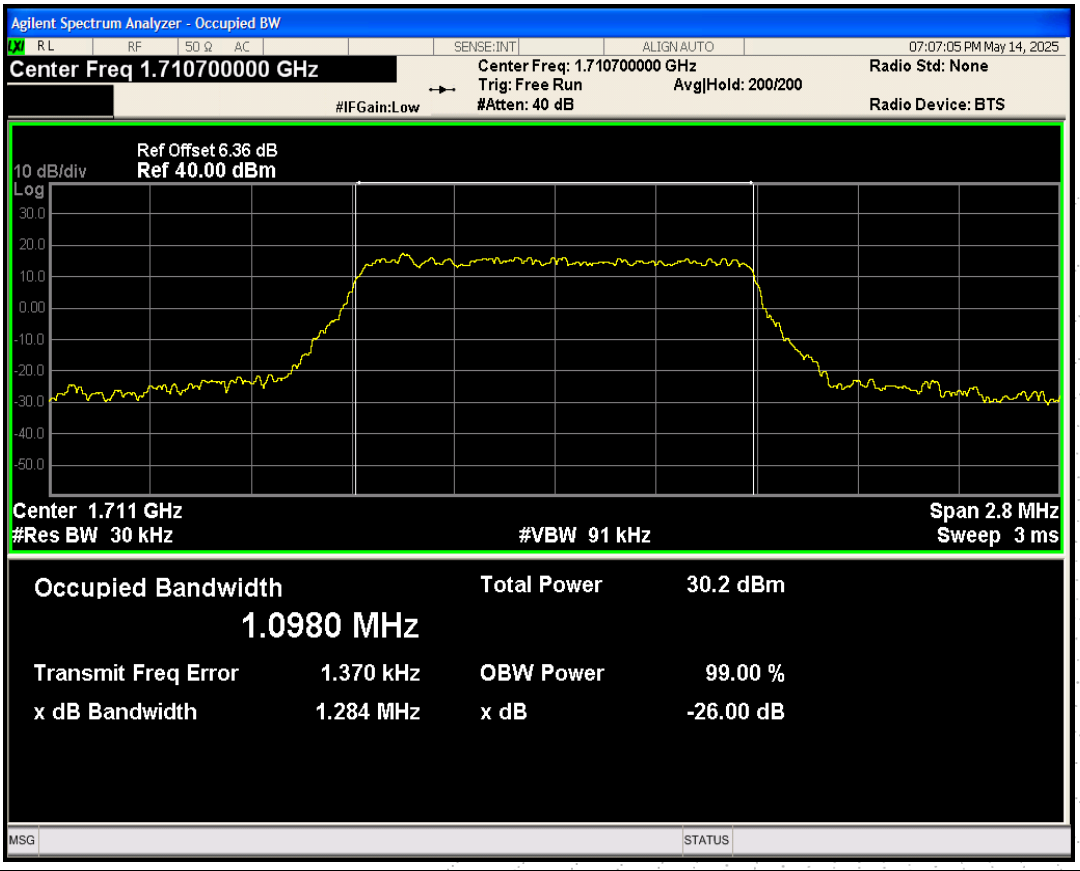
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT

Appendix 4.Occupied bandwidth

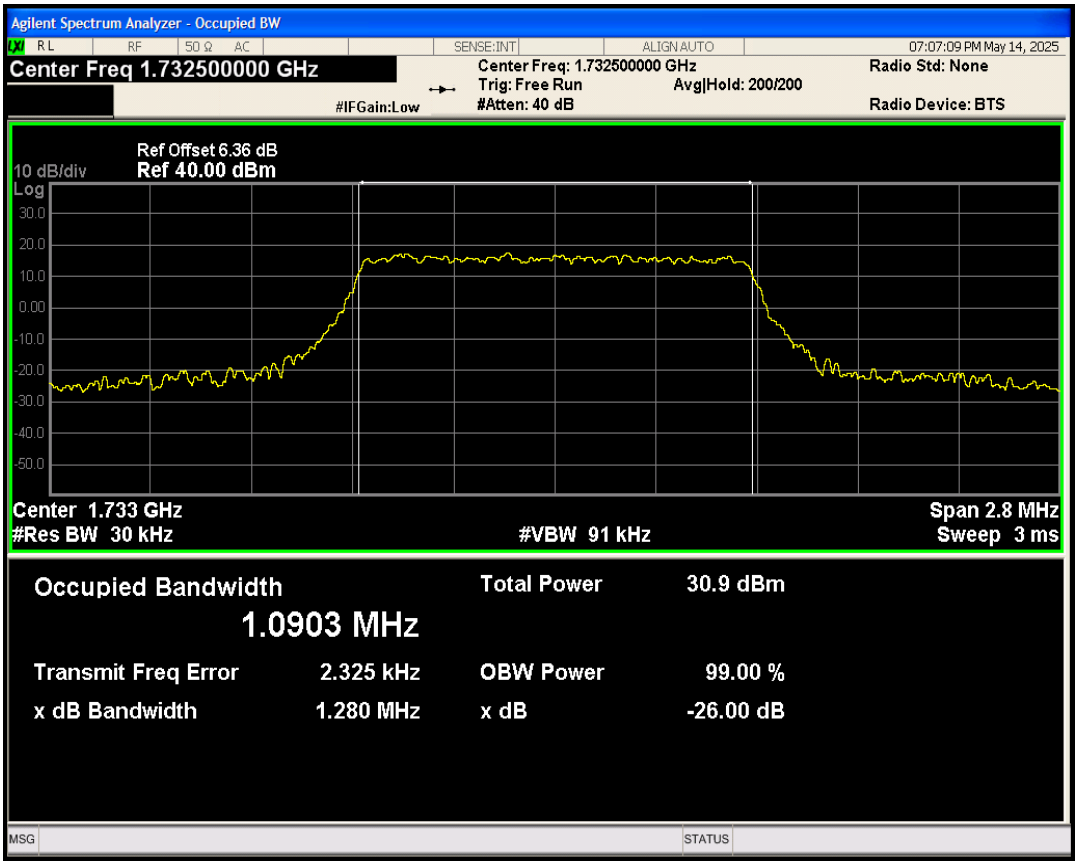
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.100	1.266	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.098	1.284	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.090	1.280	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.097	1.312	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.096	1.306	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.096	1.288	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.701	2.963	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.694	2.966	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.697	2.962	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.699	2.915	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.701	2.972	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.696	2.945	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.502	4.931	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.517	4.981	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.518	4.967	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.517	4.979	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.532	4.948	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.519	4.955	PASS
NVNT	Band4	10	20000	50	#0	QPSK	9.003	9.821	PASS
NVNT	Band4	10	20000	50	#0	16QAM	8.981	9.754	PASS
NVNT	Band4	10	20175	50	#0	QPSK	8.981	9.733	PASS
NVNT	Band4	10	20175	50	#0	16QAM	8.981	9.774	PASS
NVNT	Band4	10	20350	50	#0	QPSK	8.980	9.729	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.015	9.753	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.487	14.746	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.490	14.557	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.437	14.475	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.477	14.644	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.491	14.623	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.501	14.516	PASS
NVNT	Band4	20	20050	100	#0	QPSK	17.962	19.405	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.010	19.535	PASS
NVNT	Band4	20	20175	100	#0	QPSK	17.913	19.216	PASS
NVNT	Band4	20	20175	100	#0	16QAM	17.895	19.343	PASS
NVNT	Band4	20	20300	100	#0	QPSK	17.988	19.350	PASS
NVNT	Band4	20	20300	100	#0	16QAM	18.016	19.530	PASS



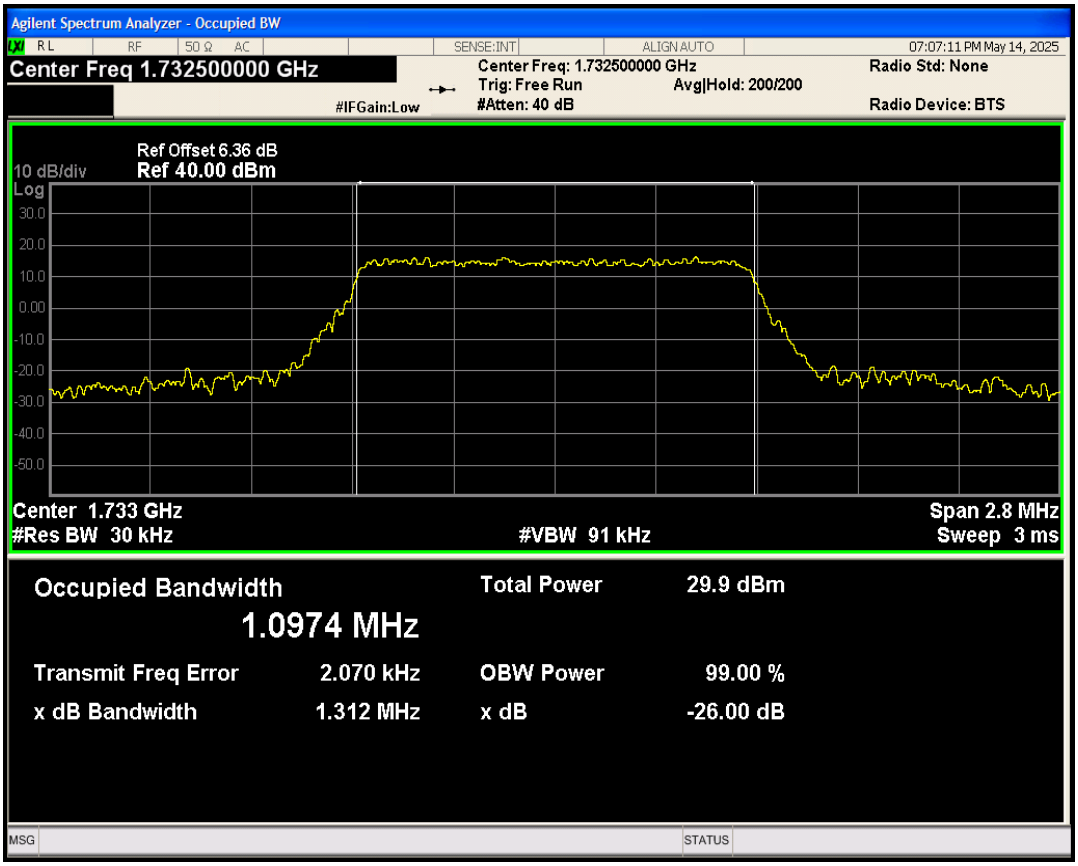
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



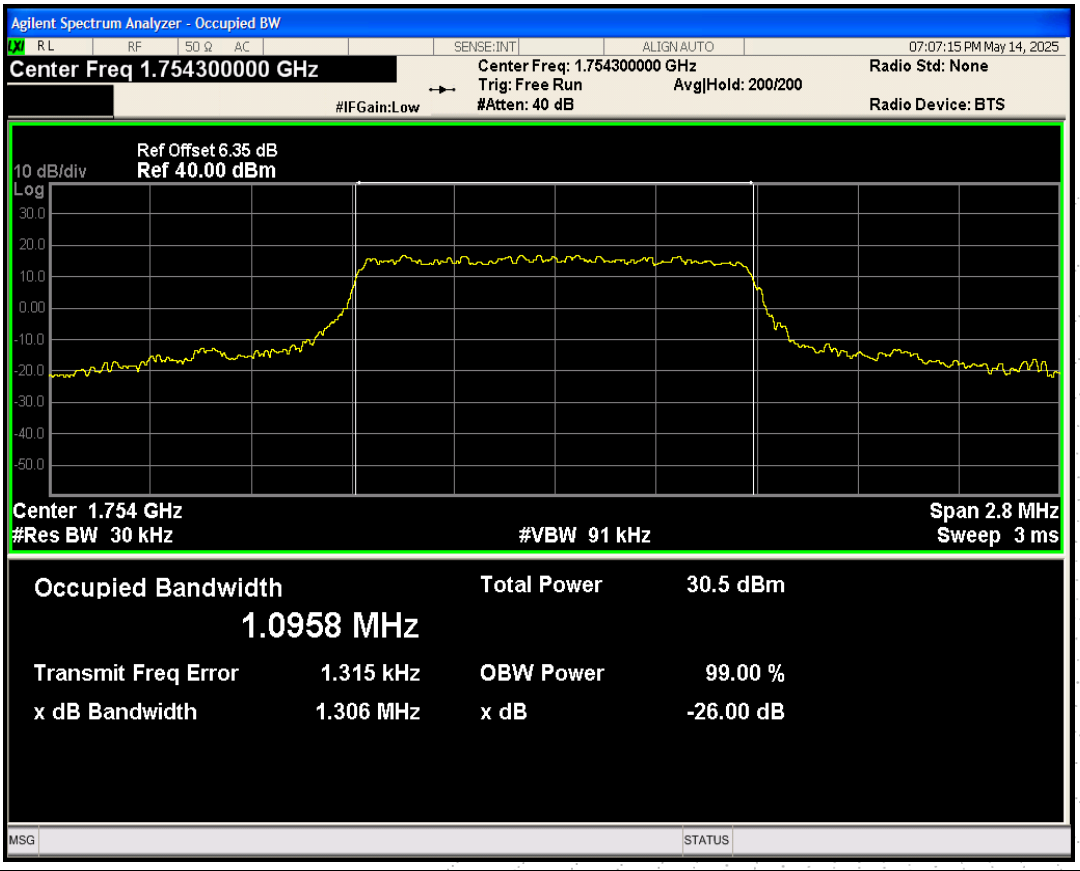
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



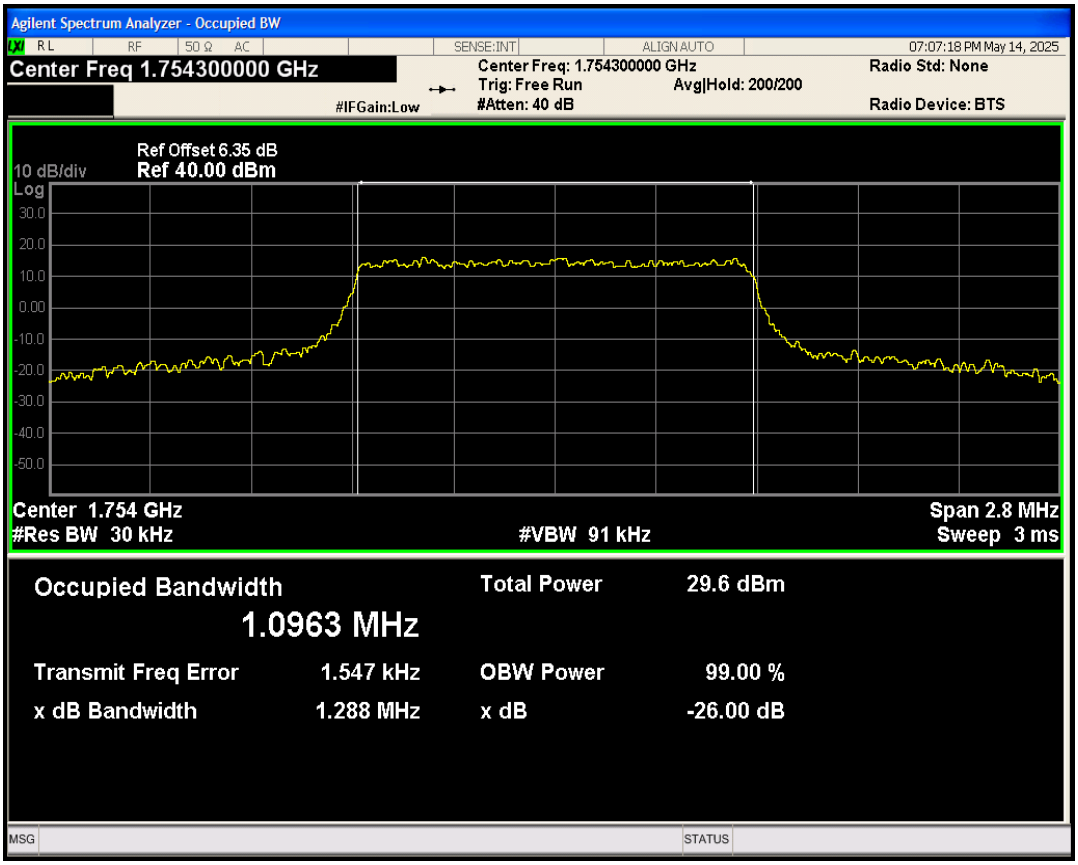
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



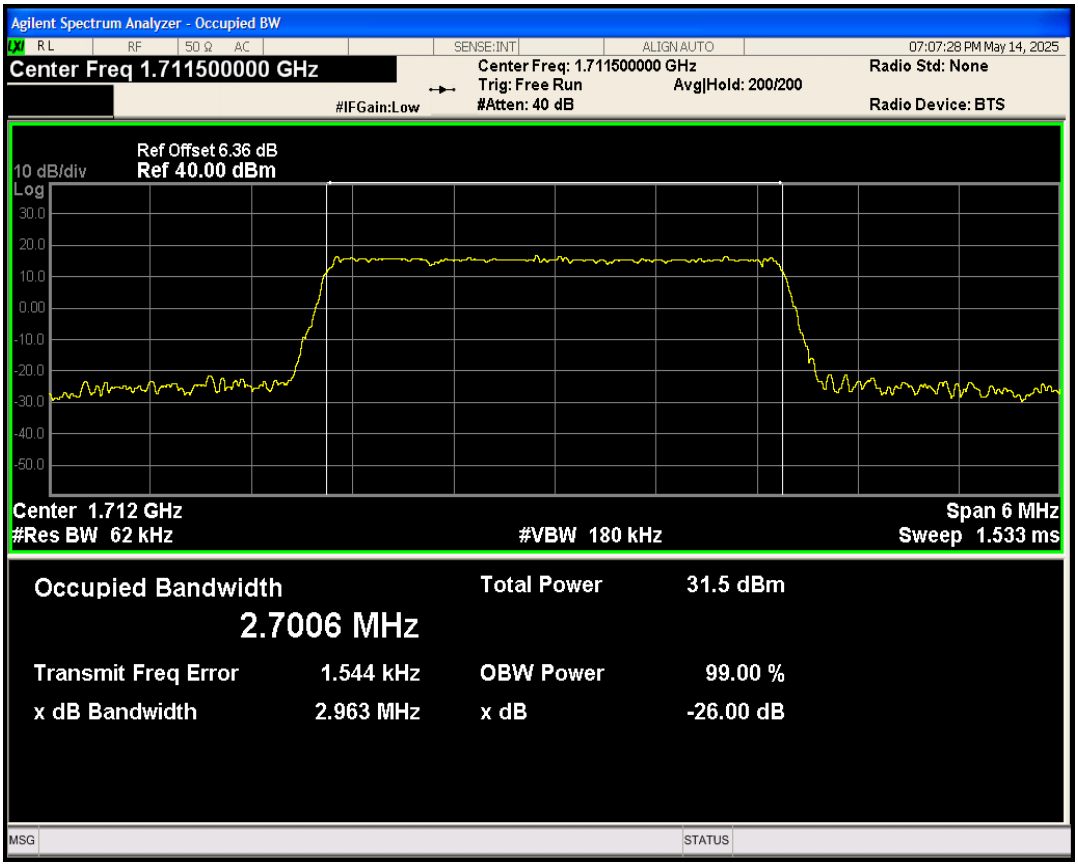
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



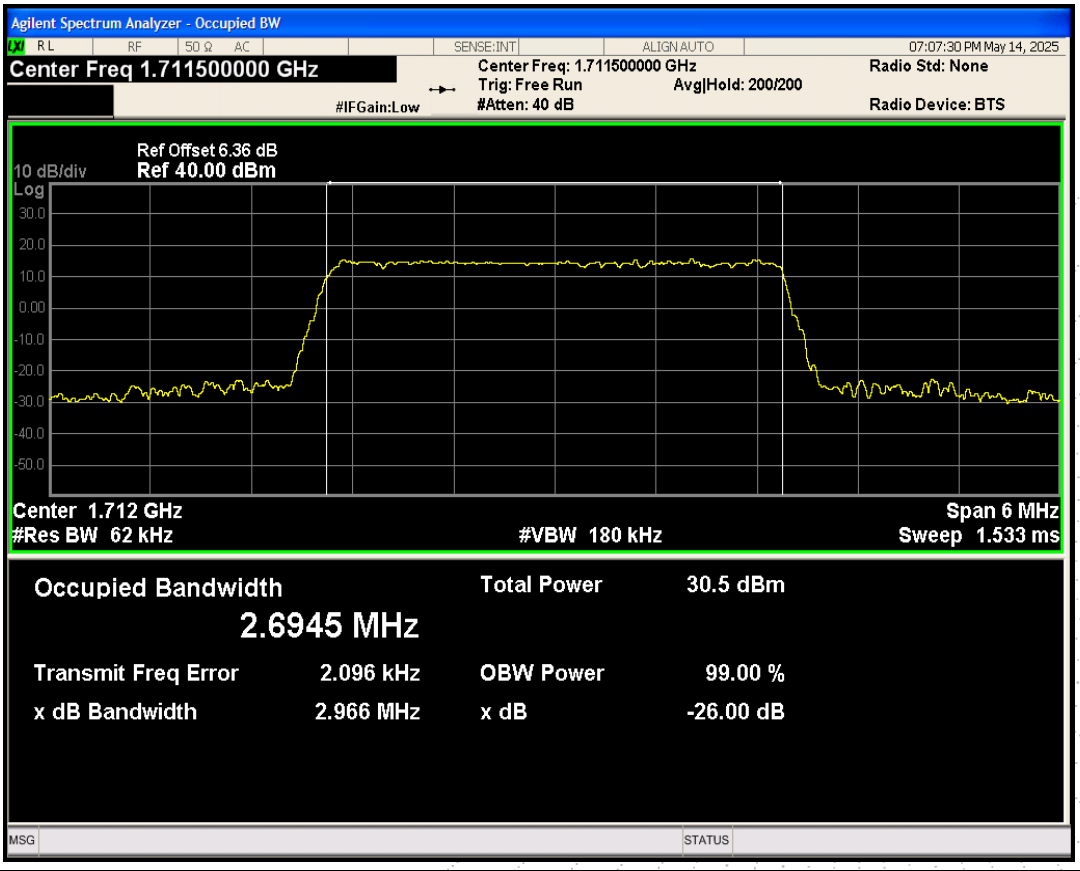
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



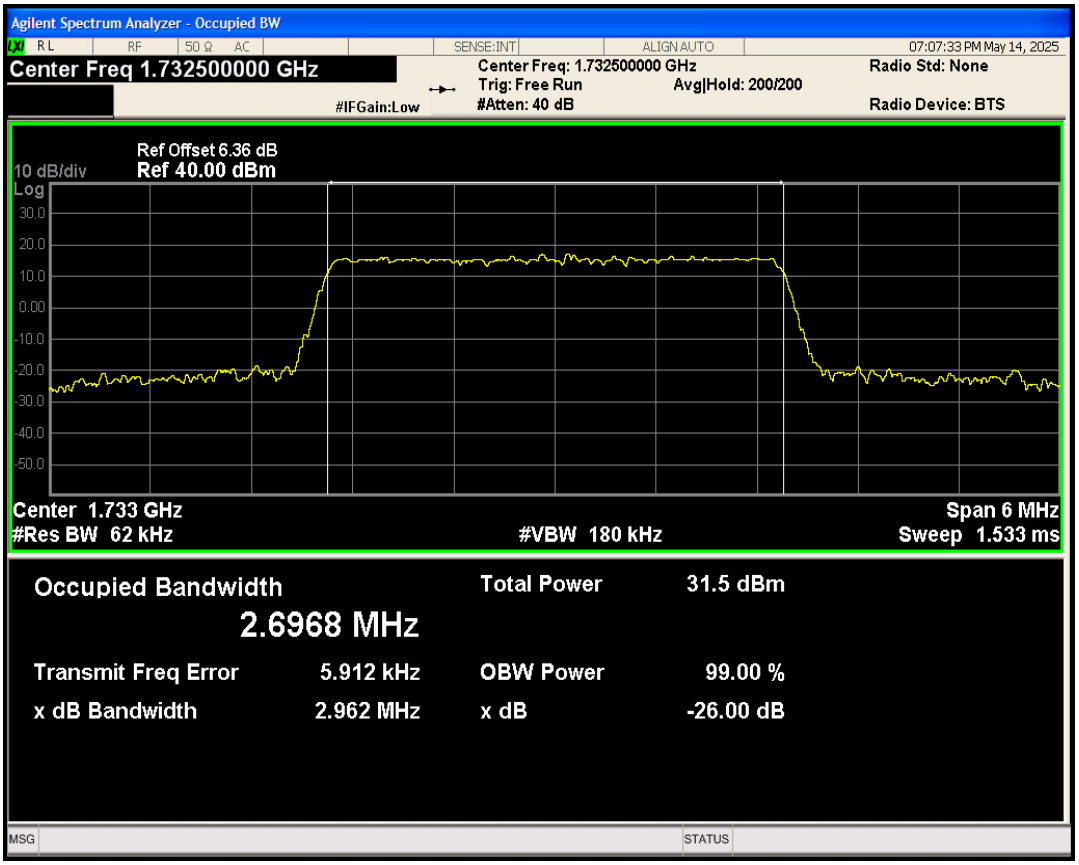
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



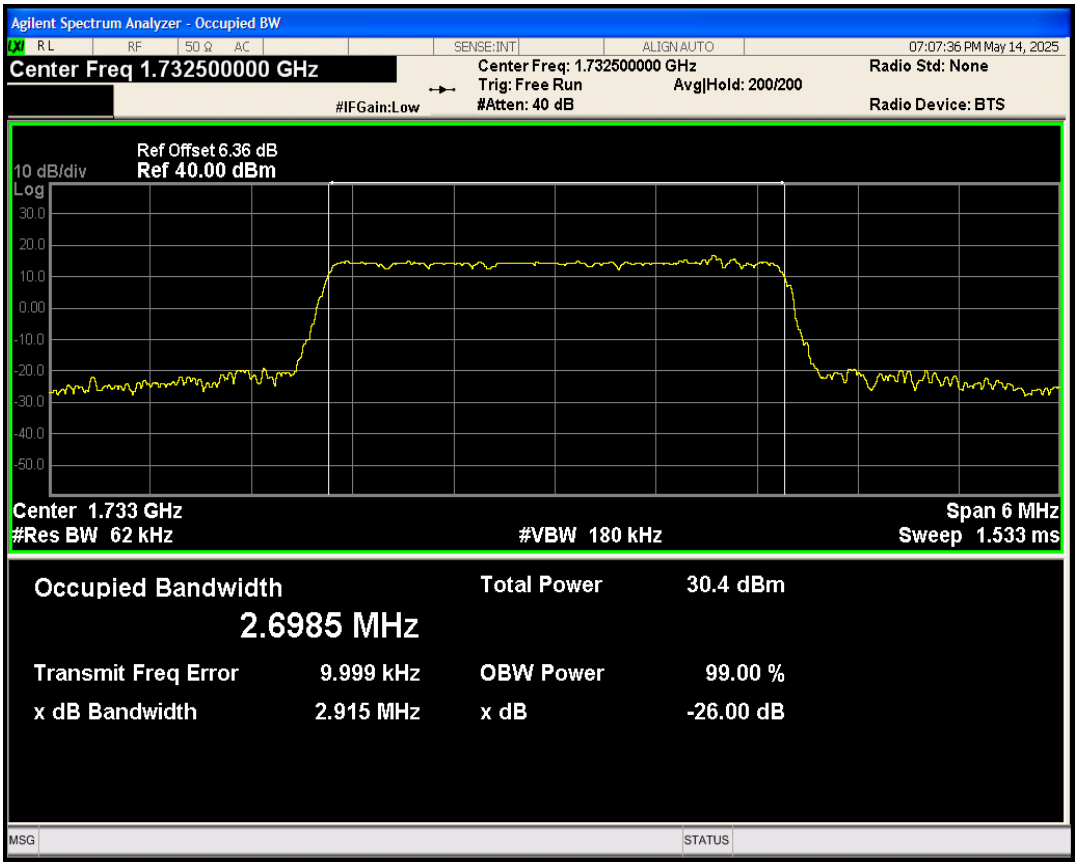
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



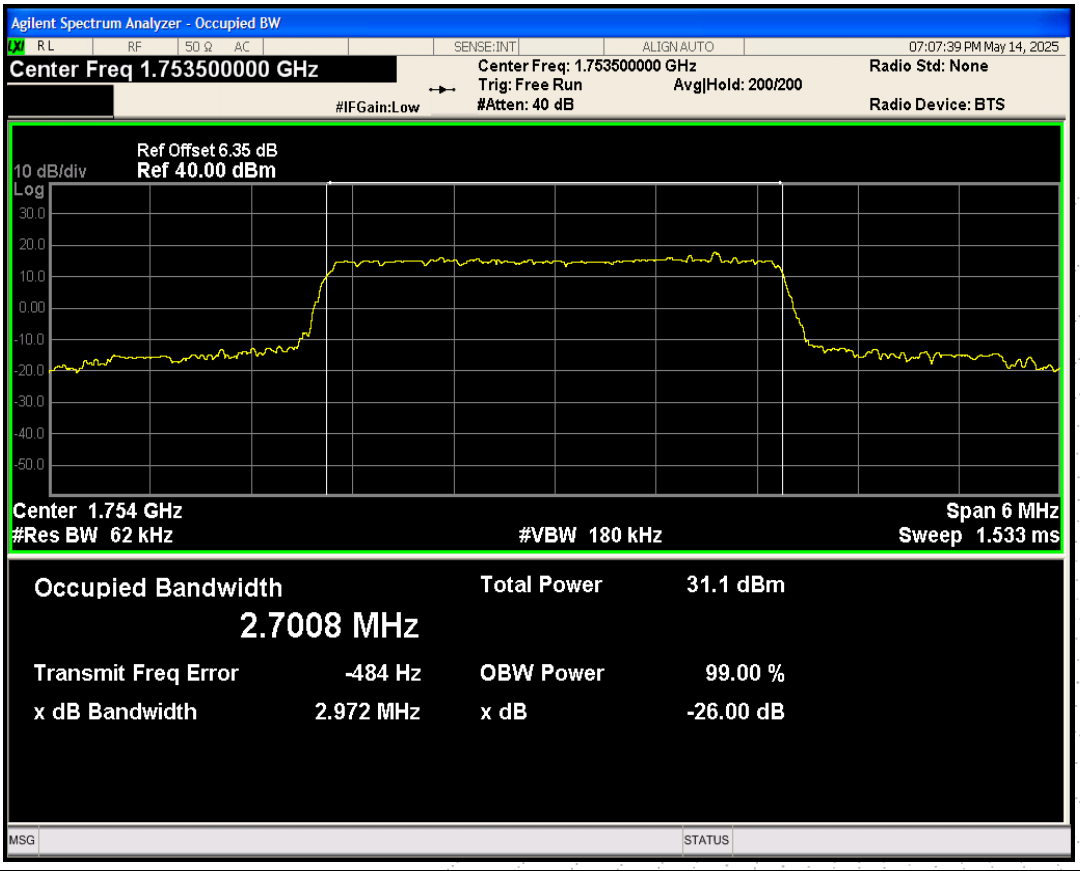
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



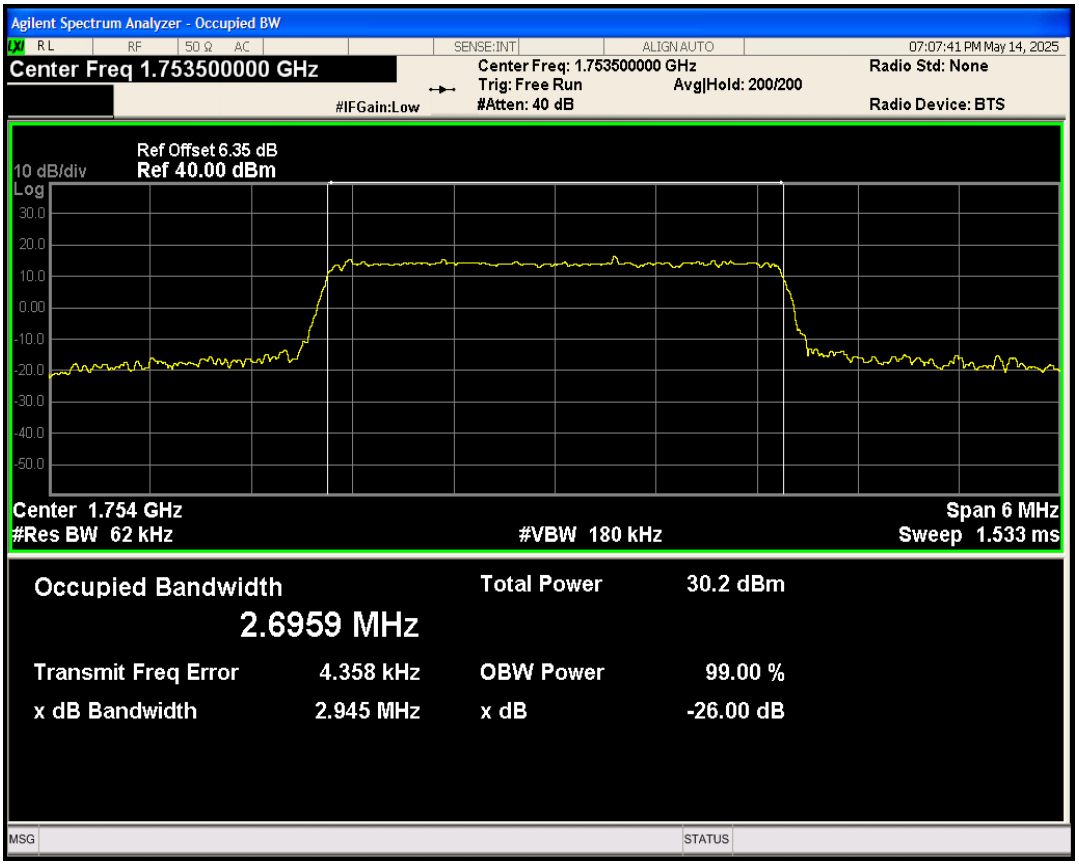
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



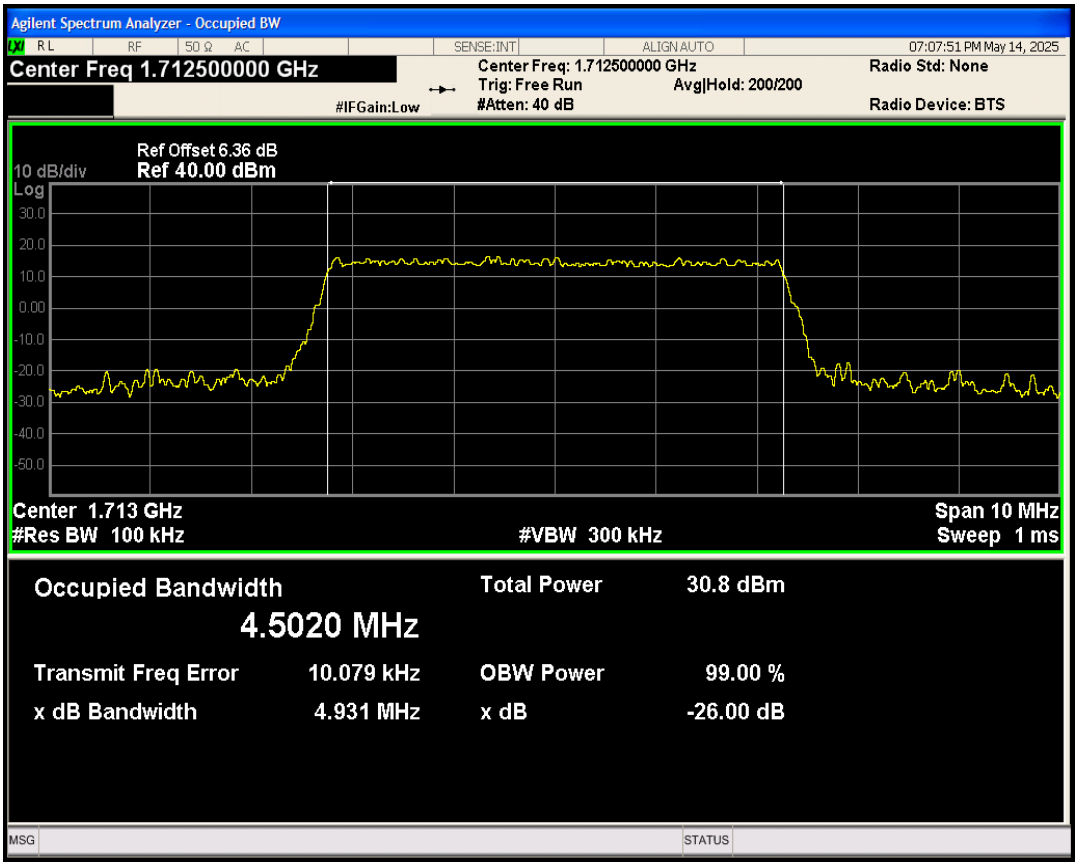
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



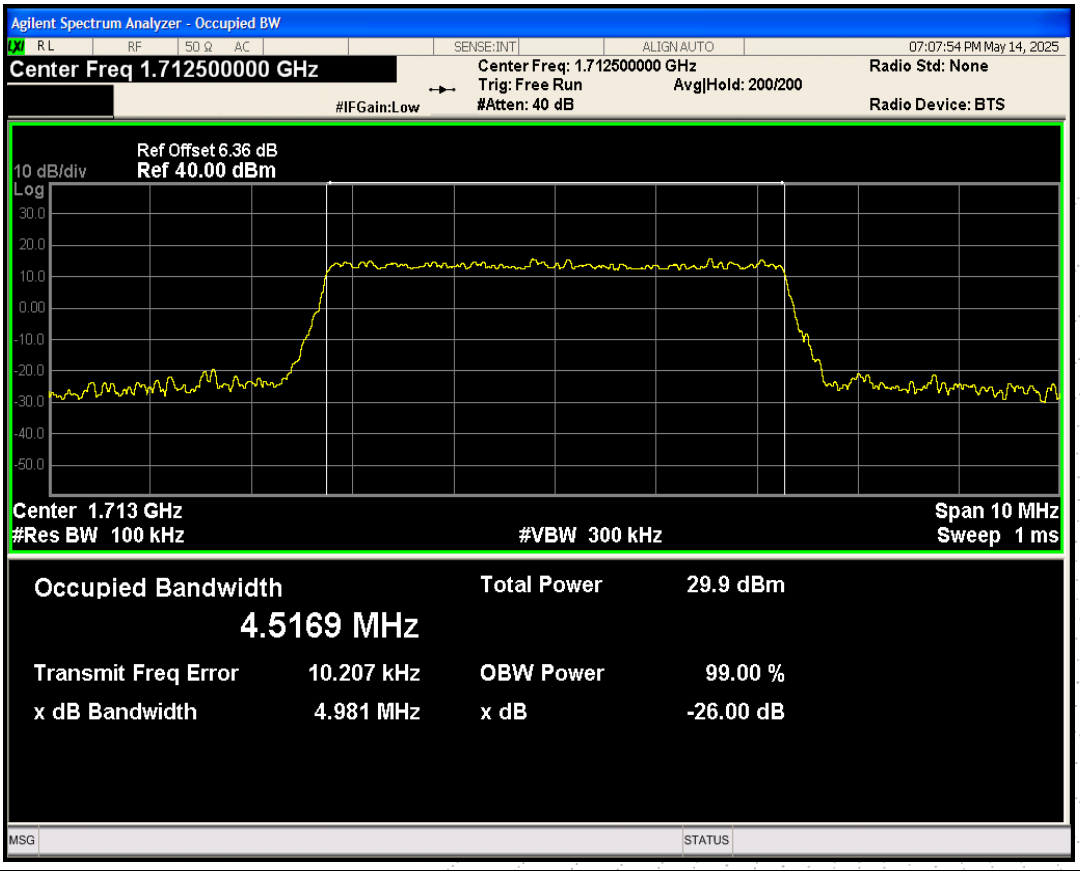
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



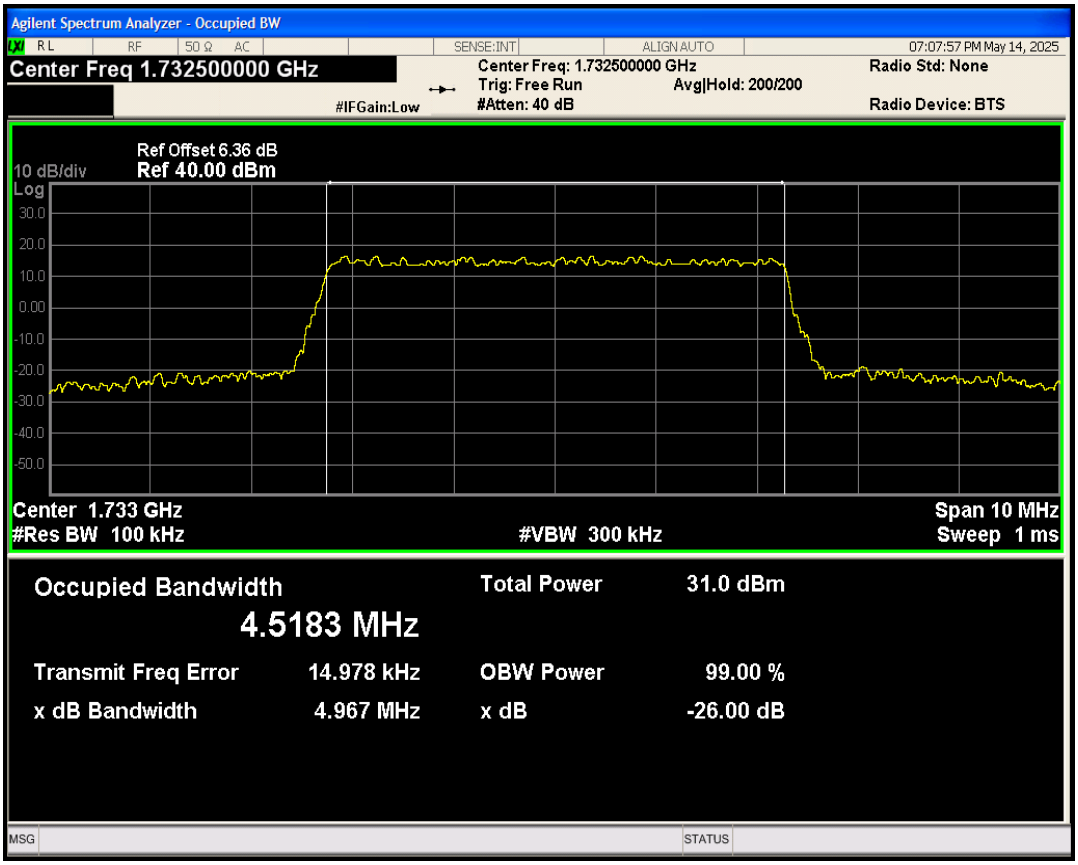
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



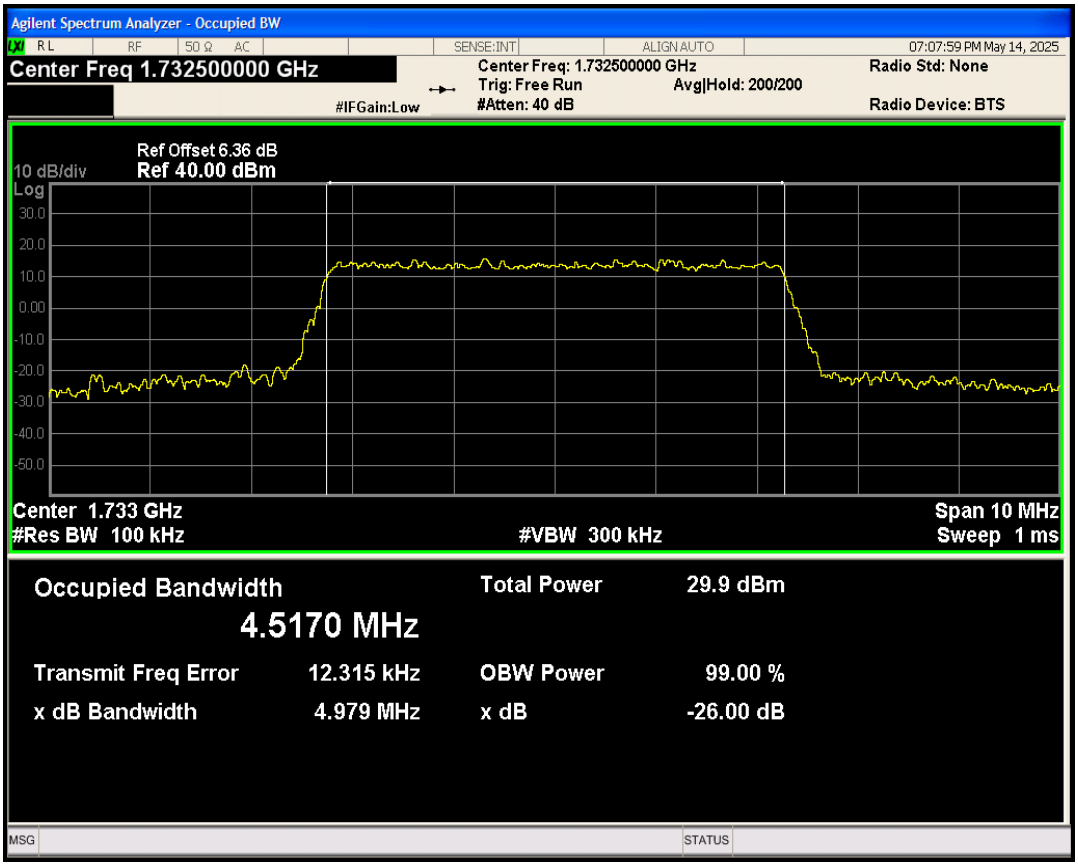
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



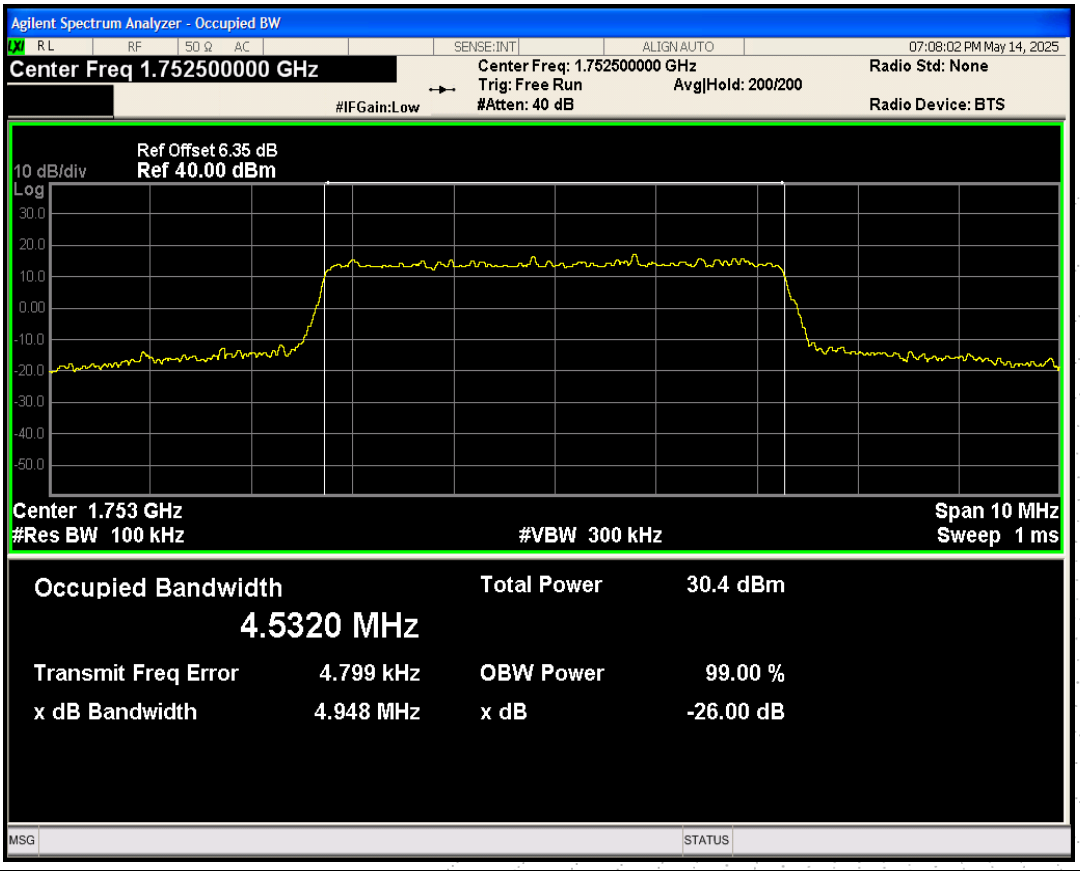
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



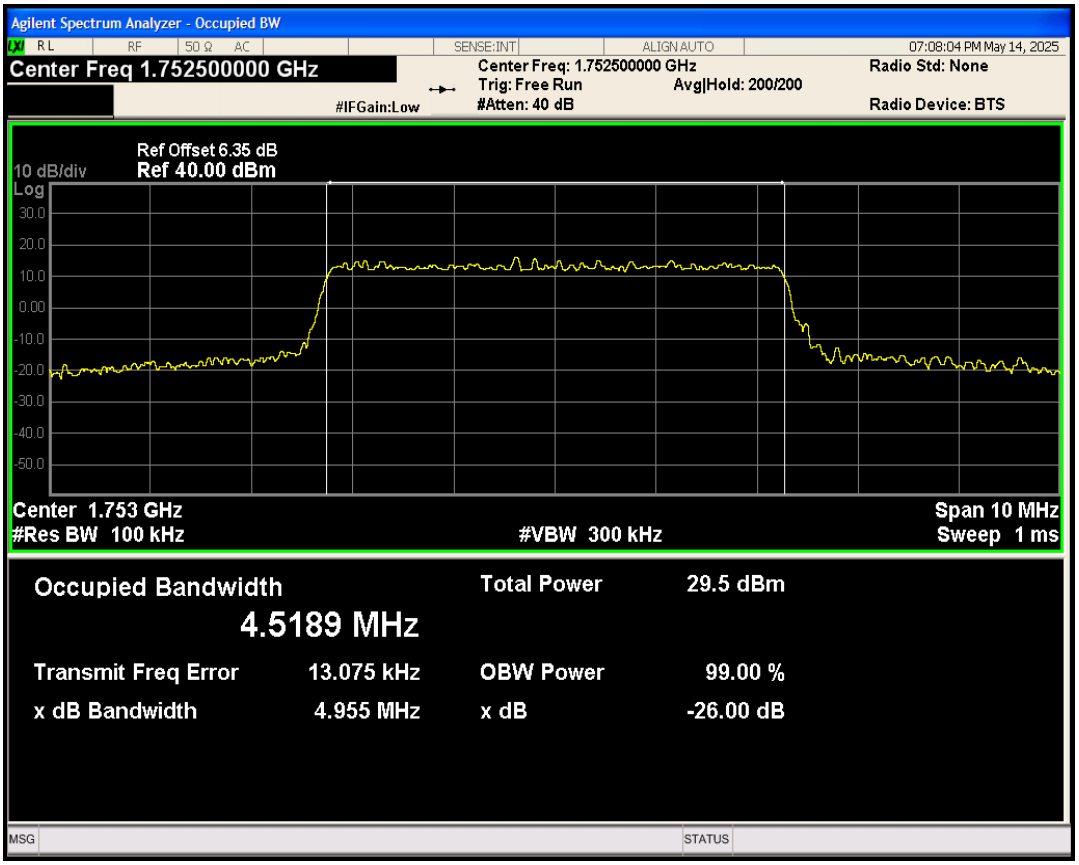
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



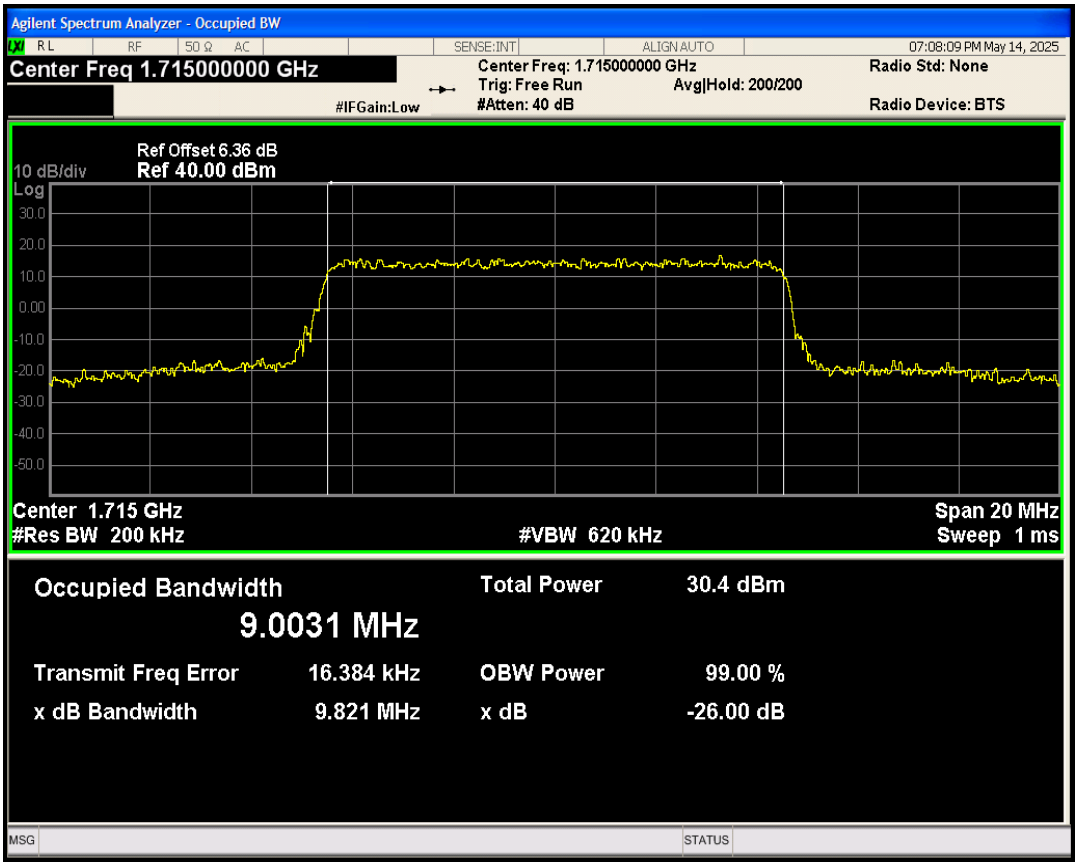
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



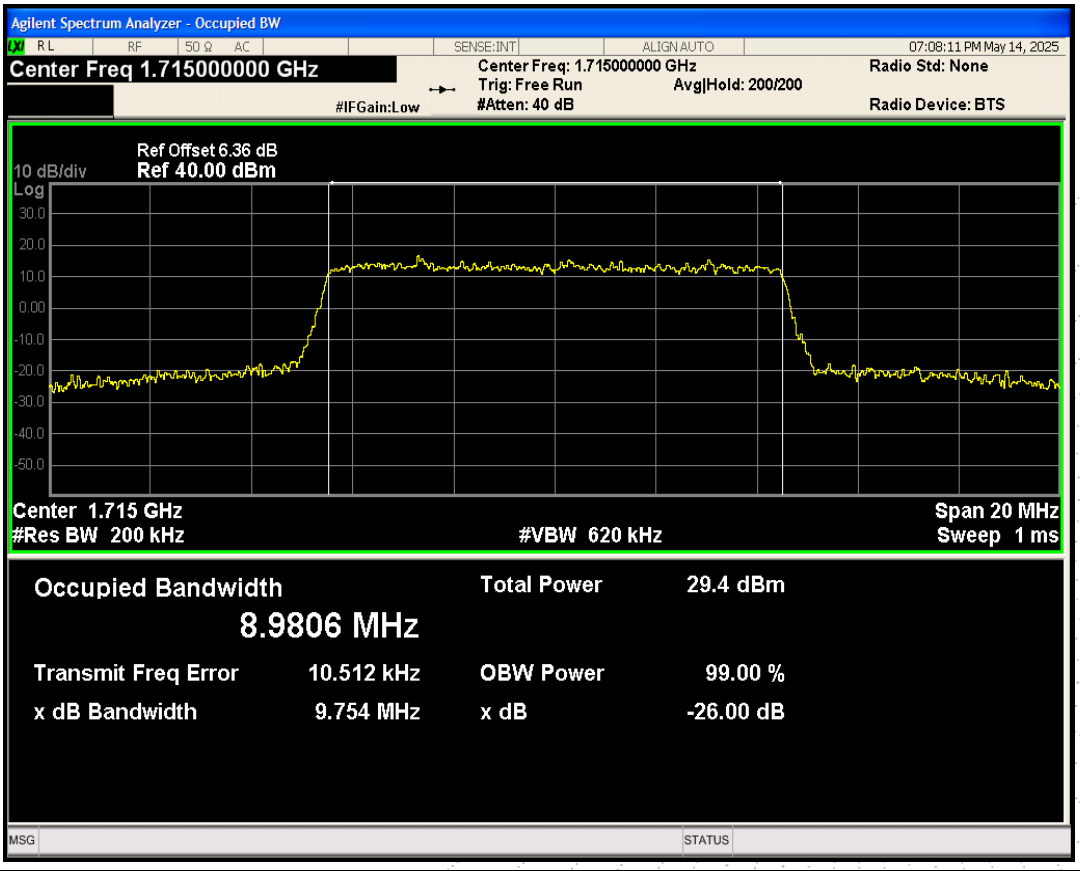
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



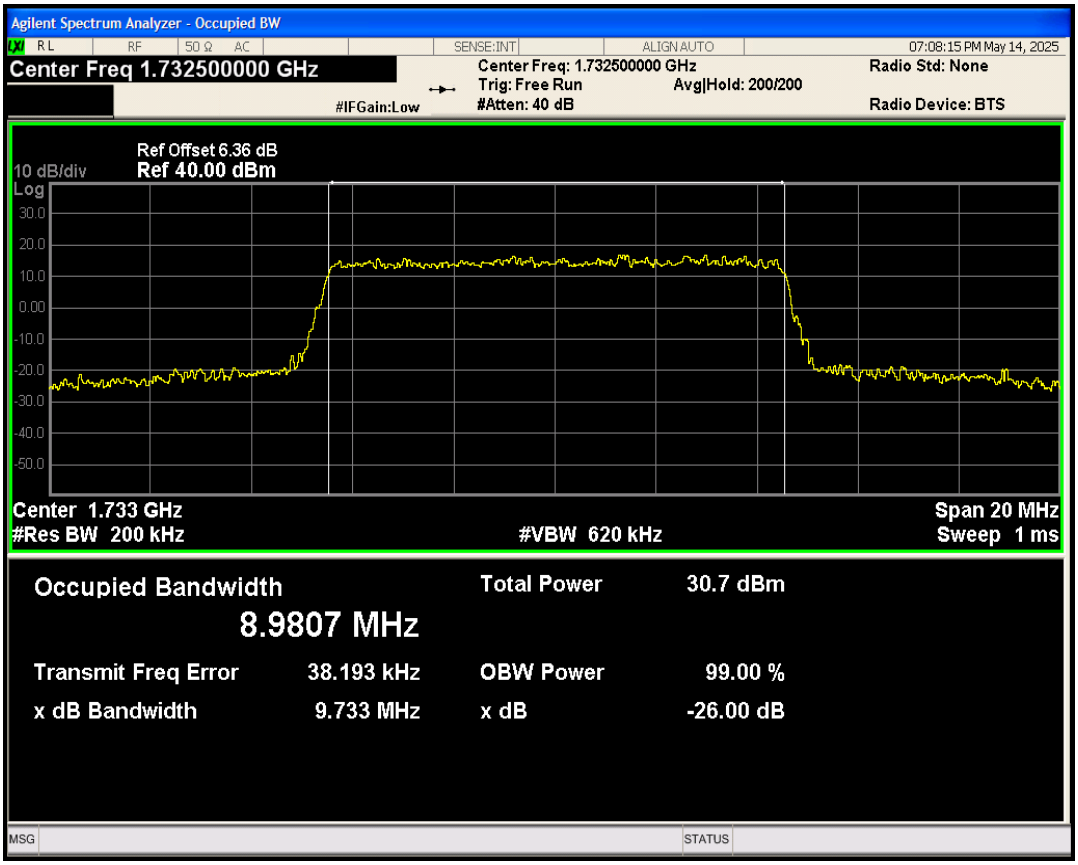
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



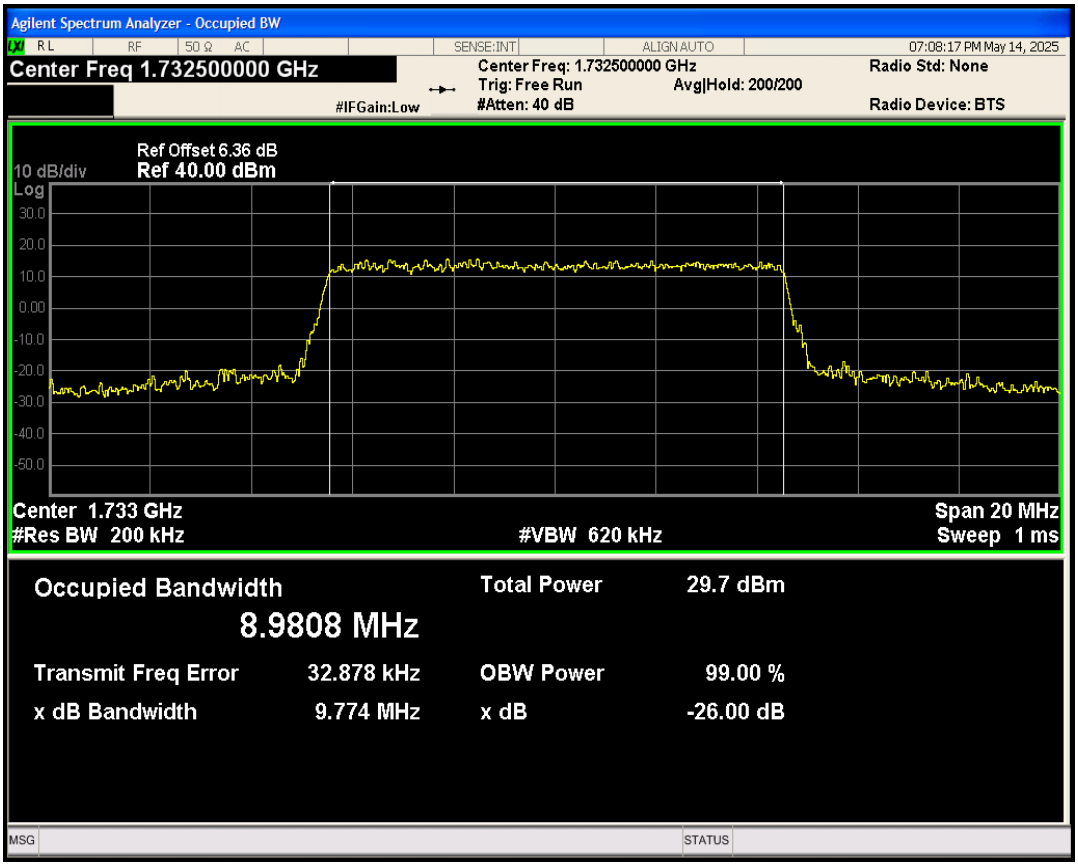
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



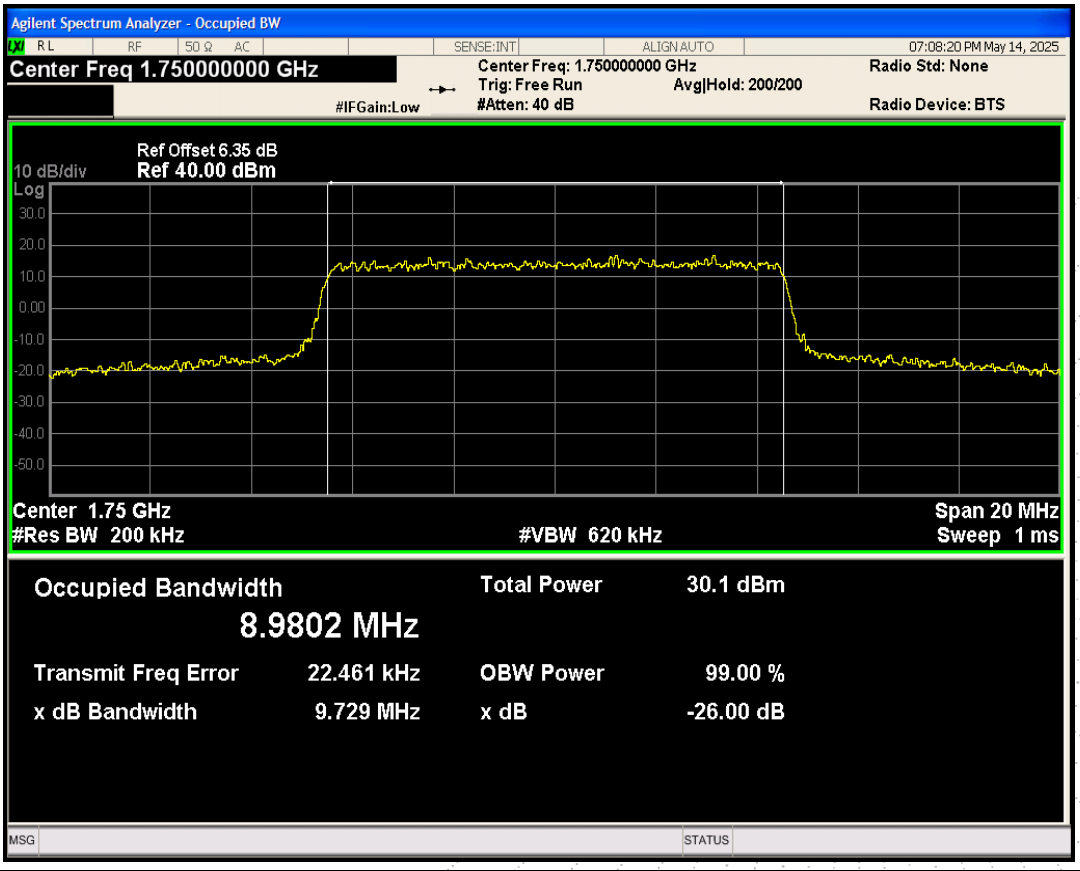
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



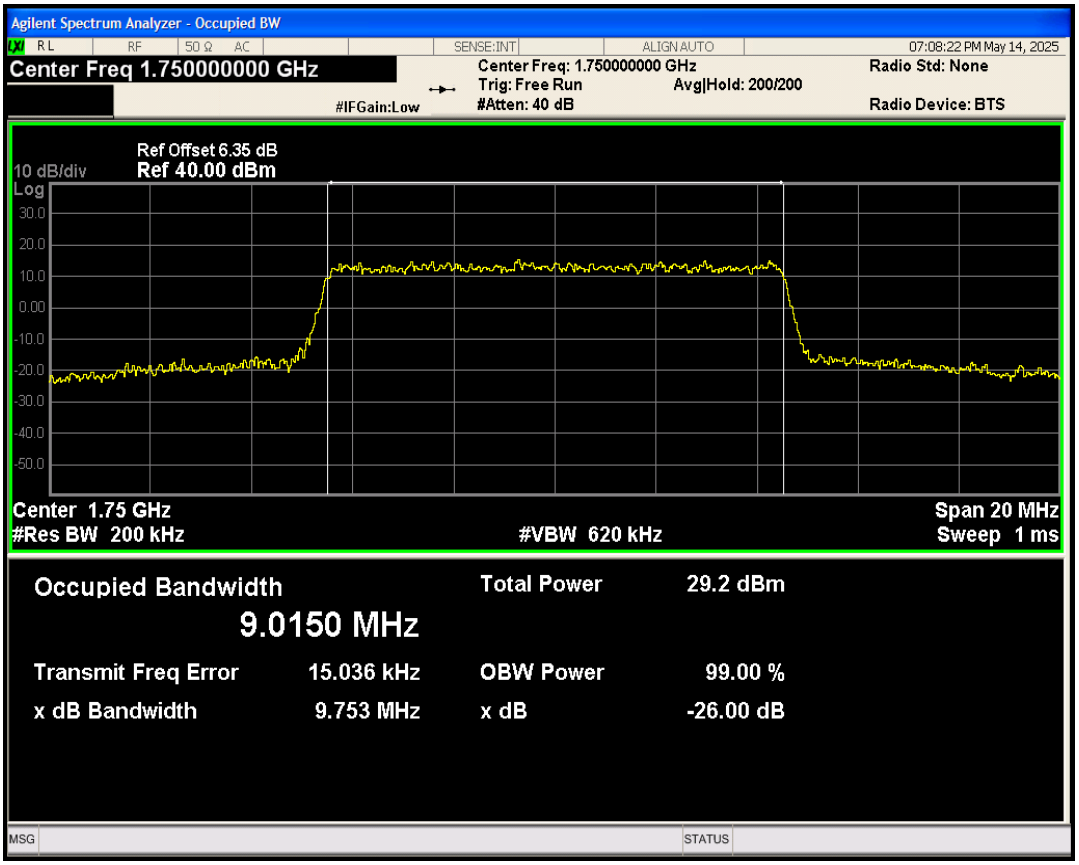
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



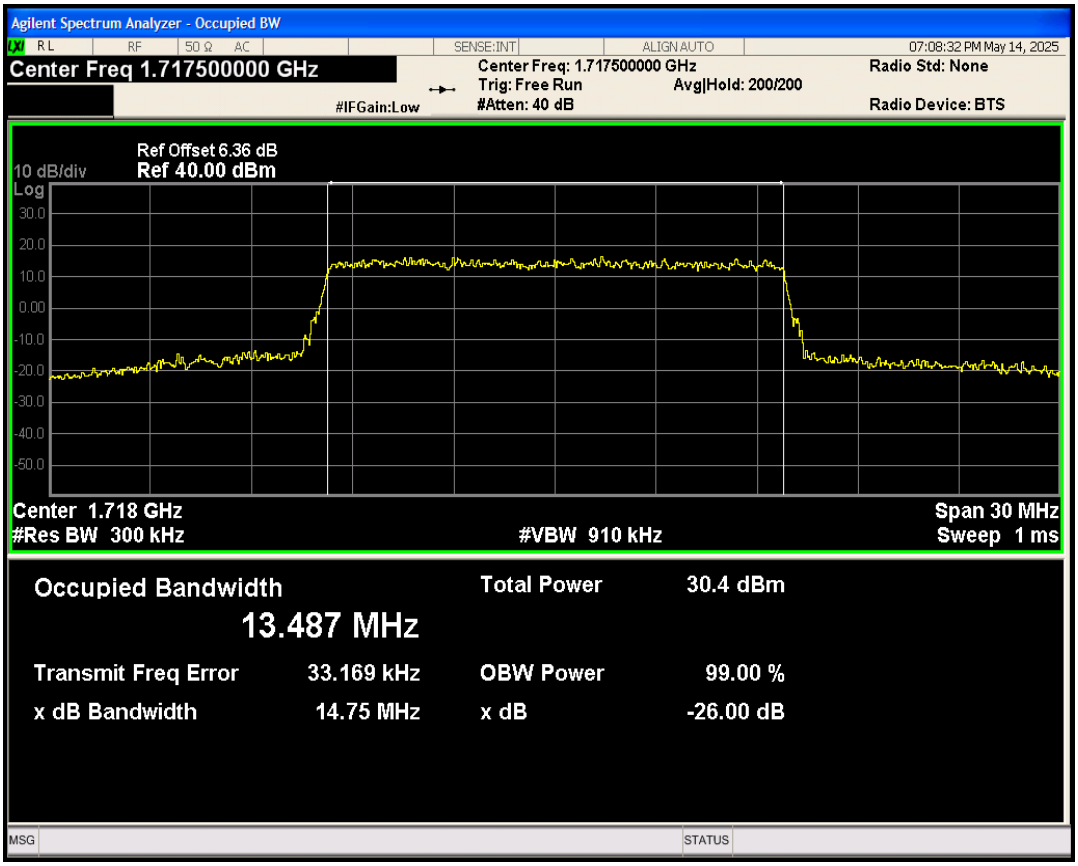
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



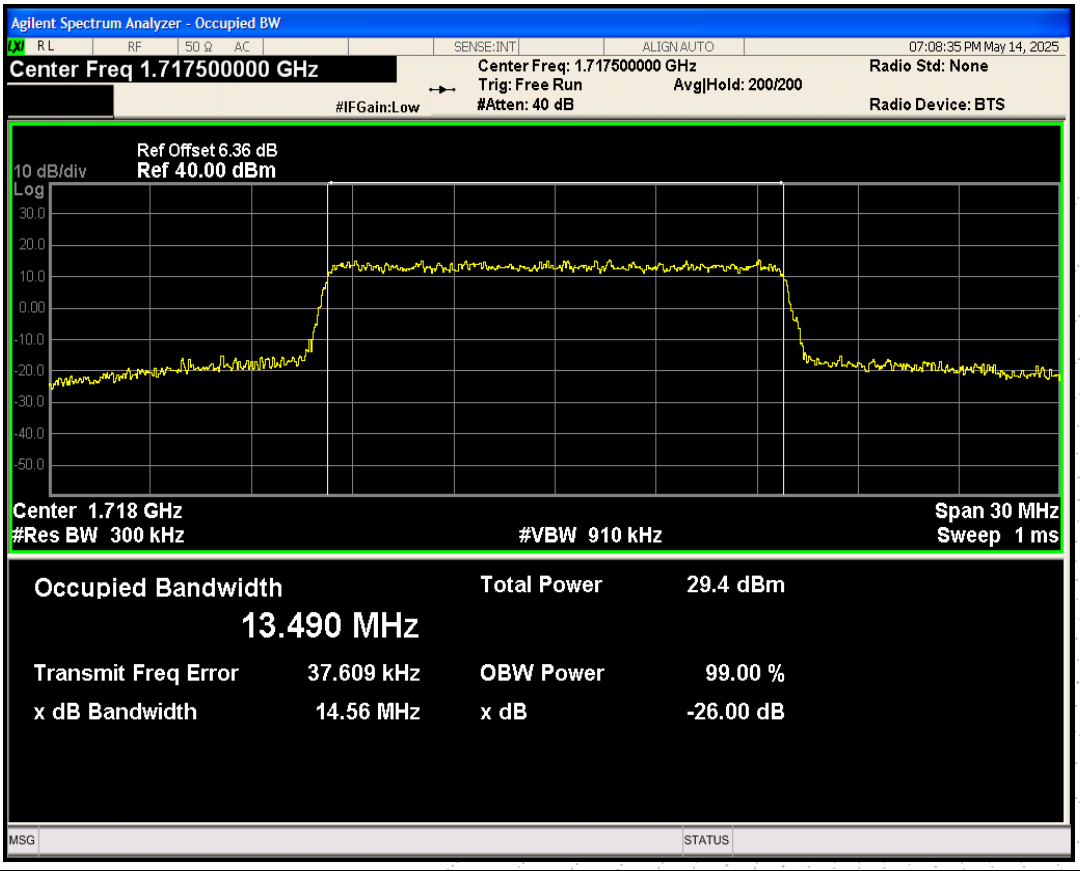
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



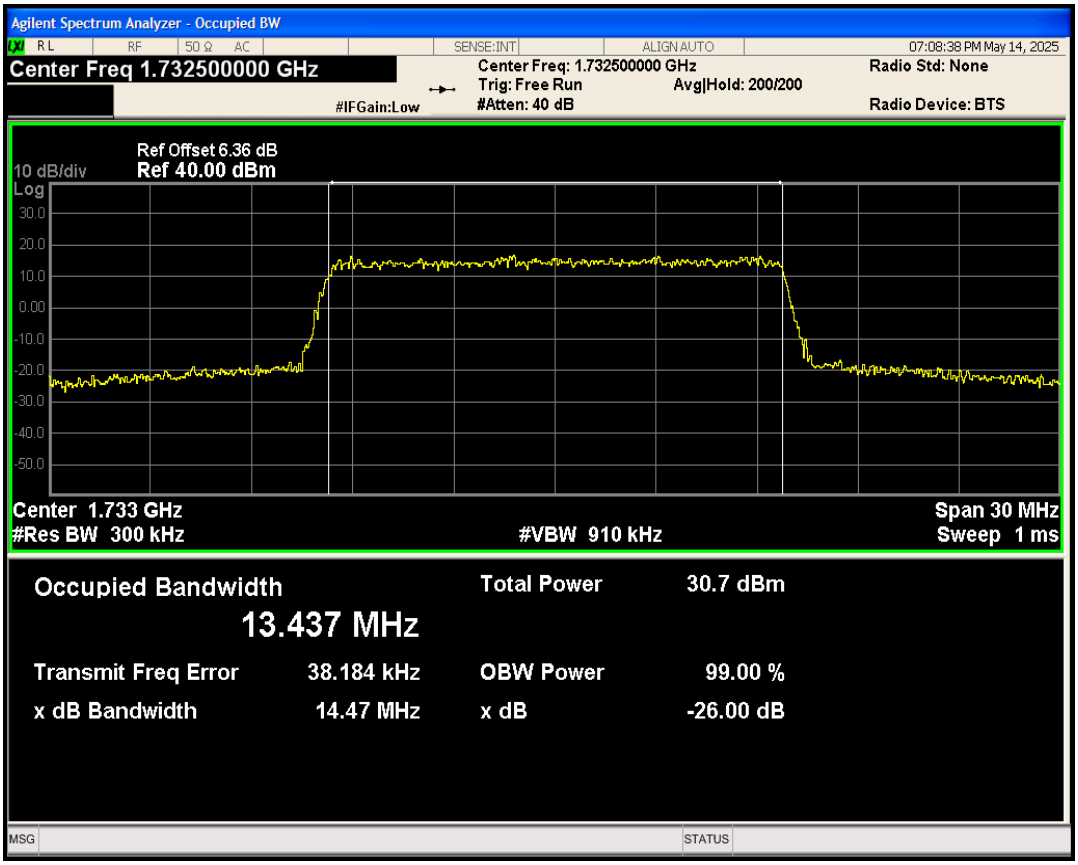
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



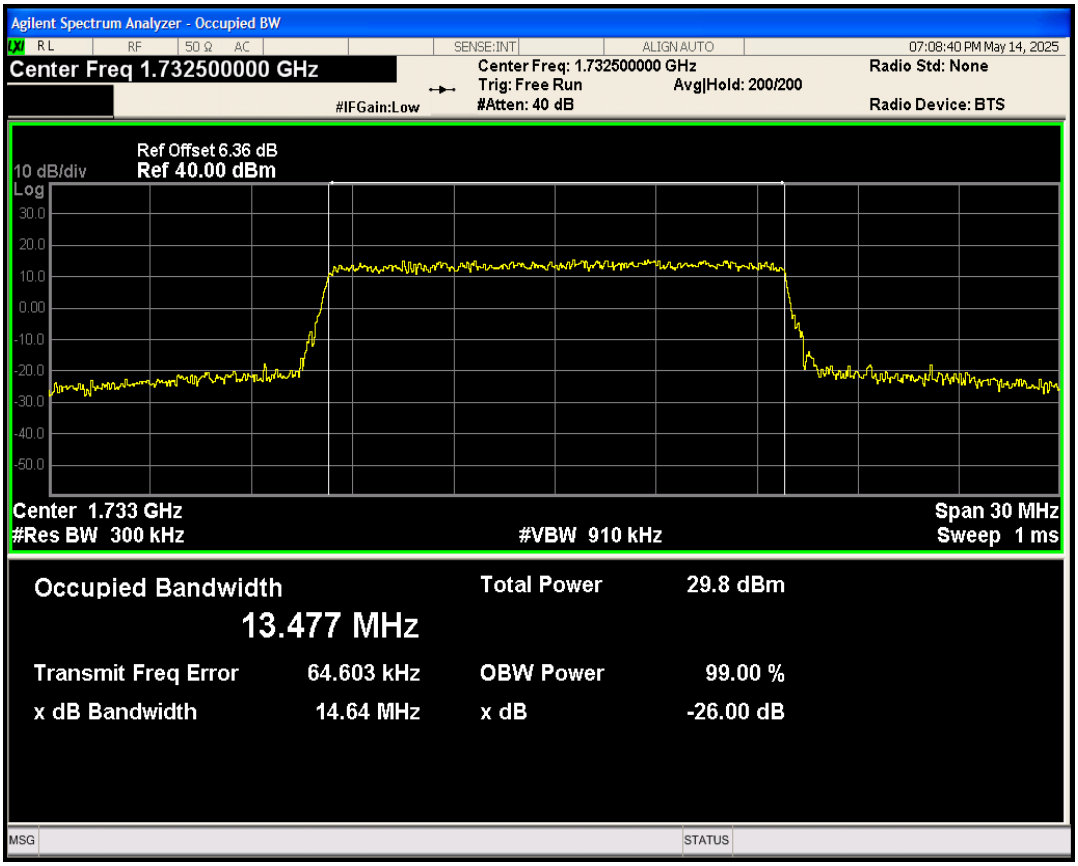
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



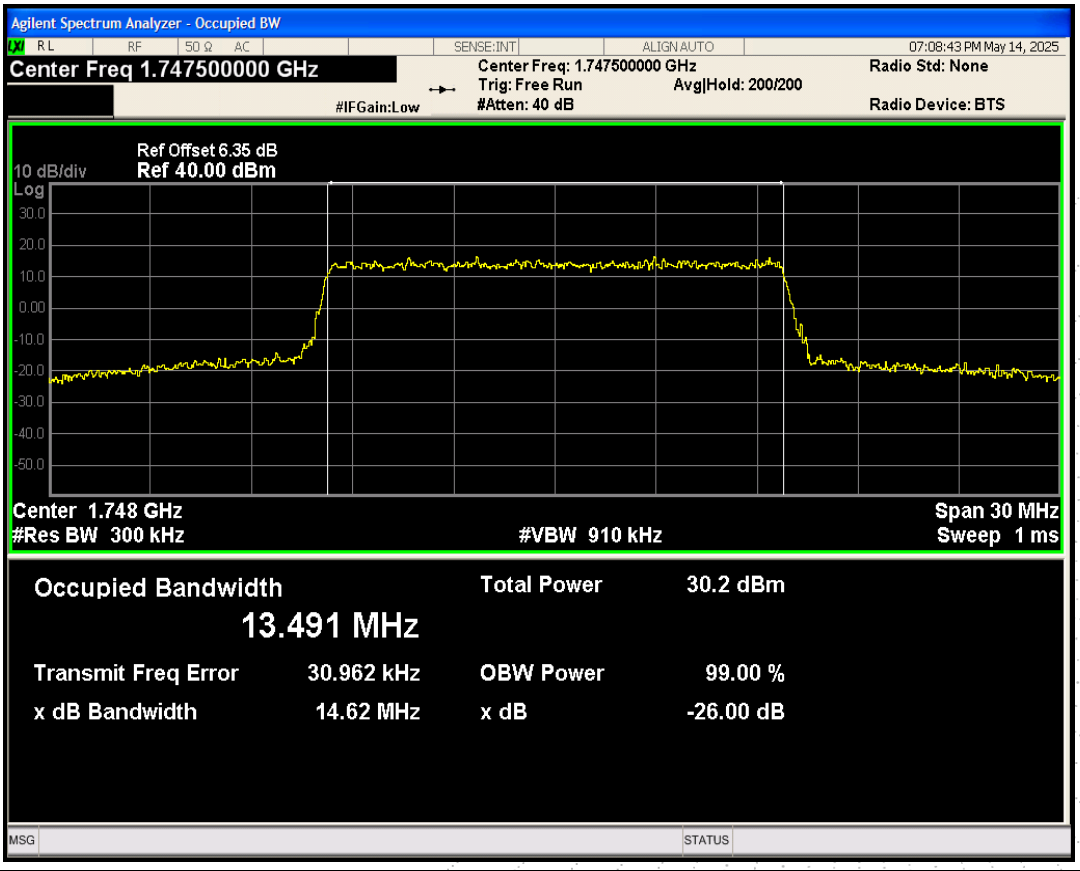
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



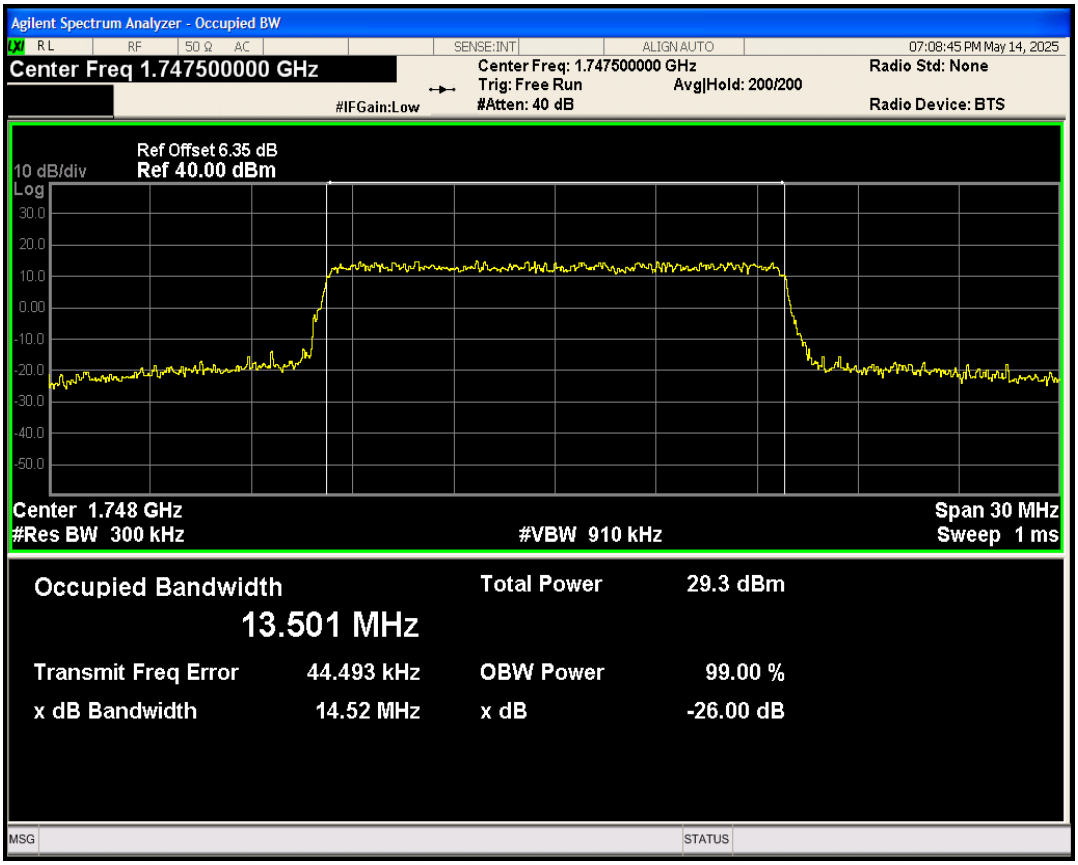
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



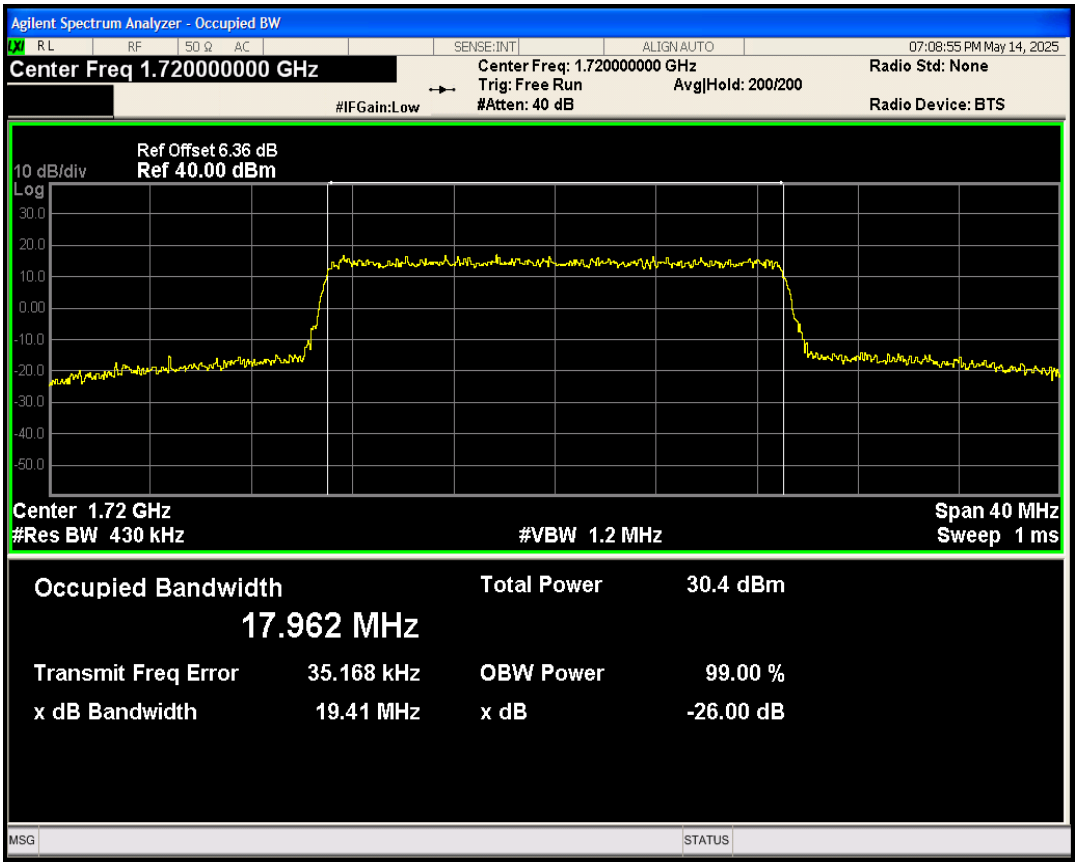
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



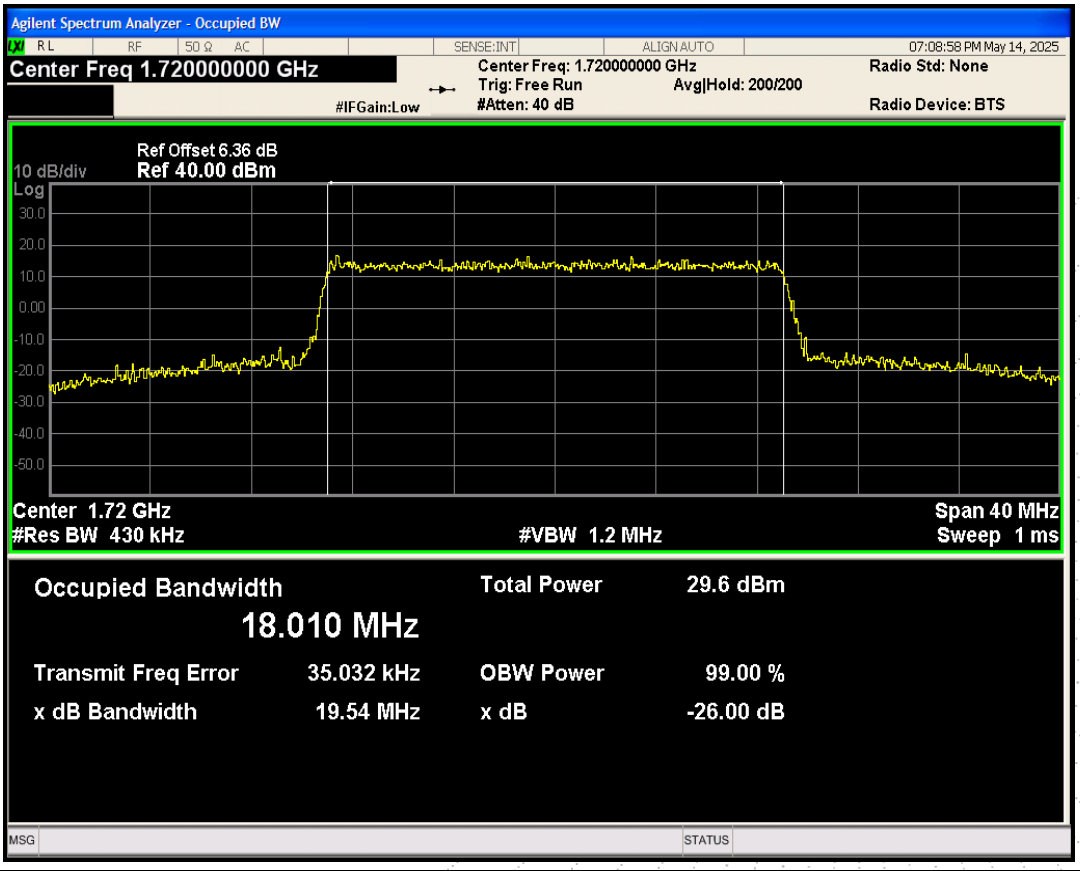
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



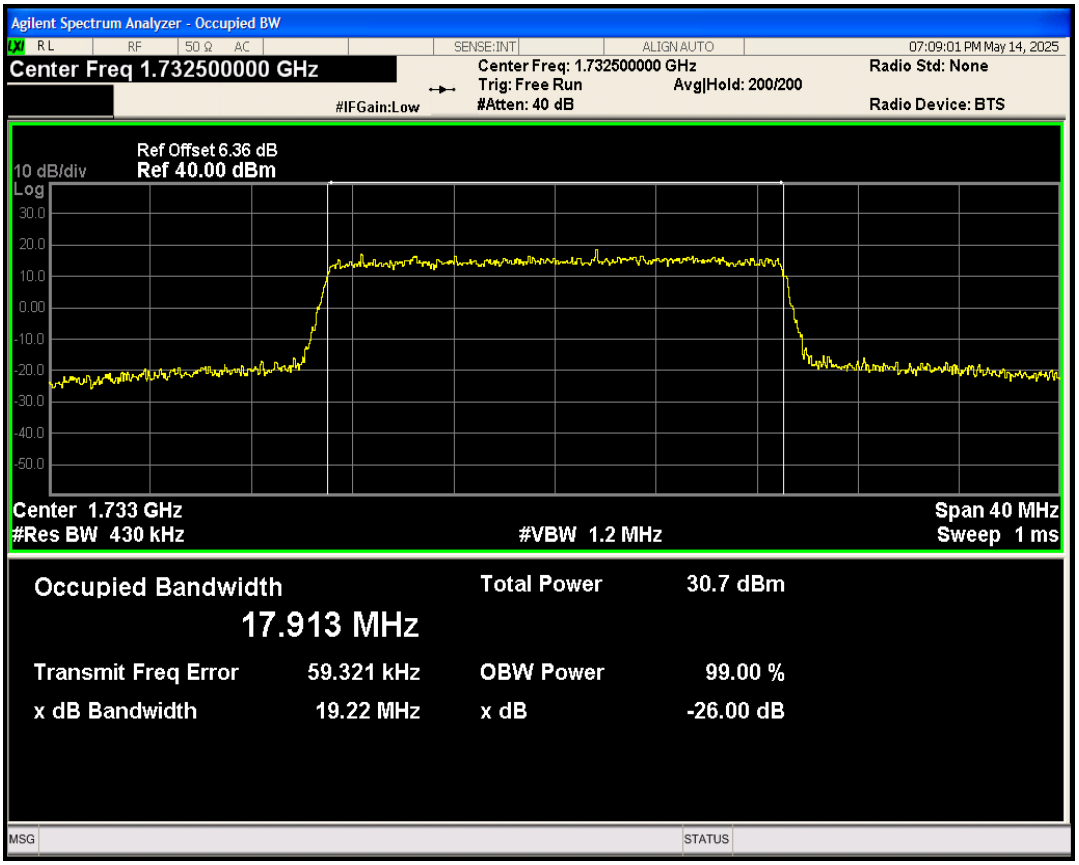
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



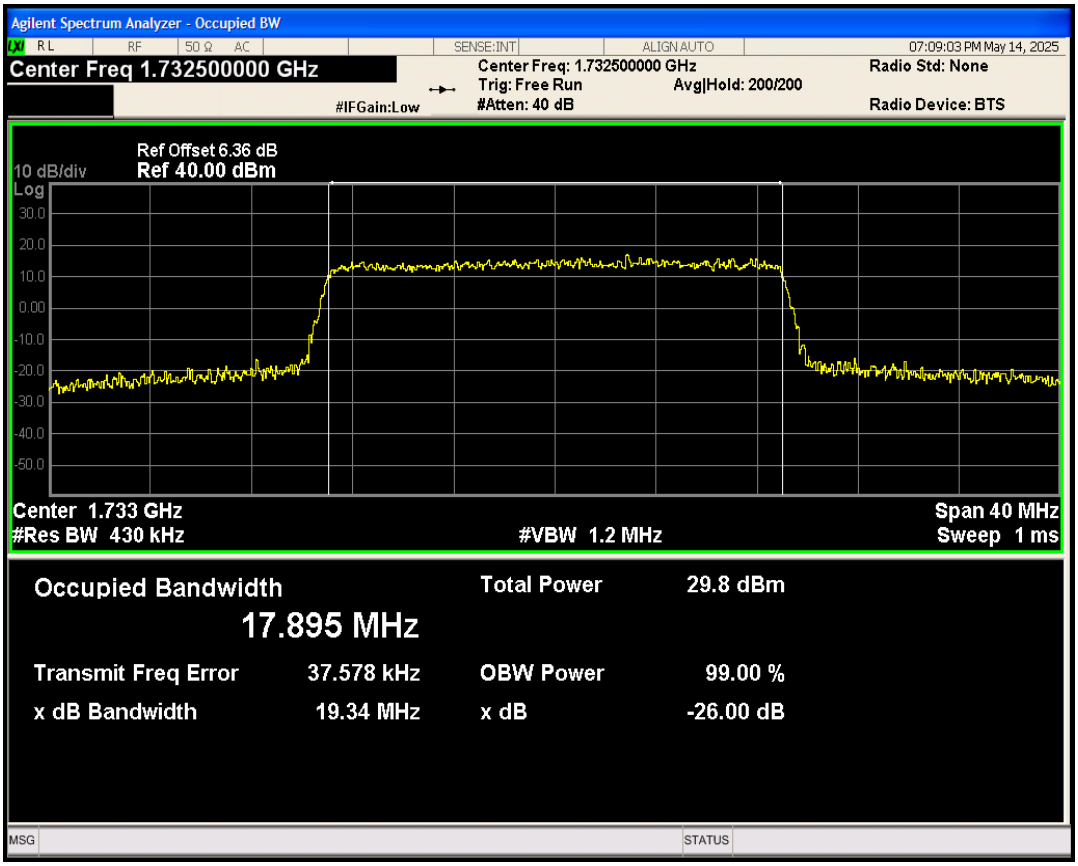
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



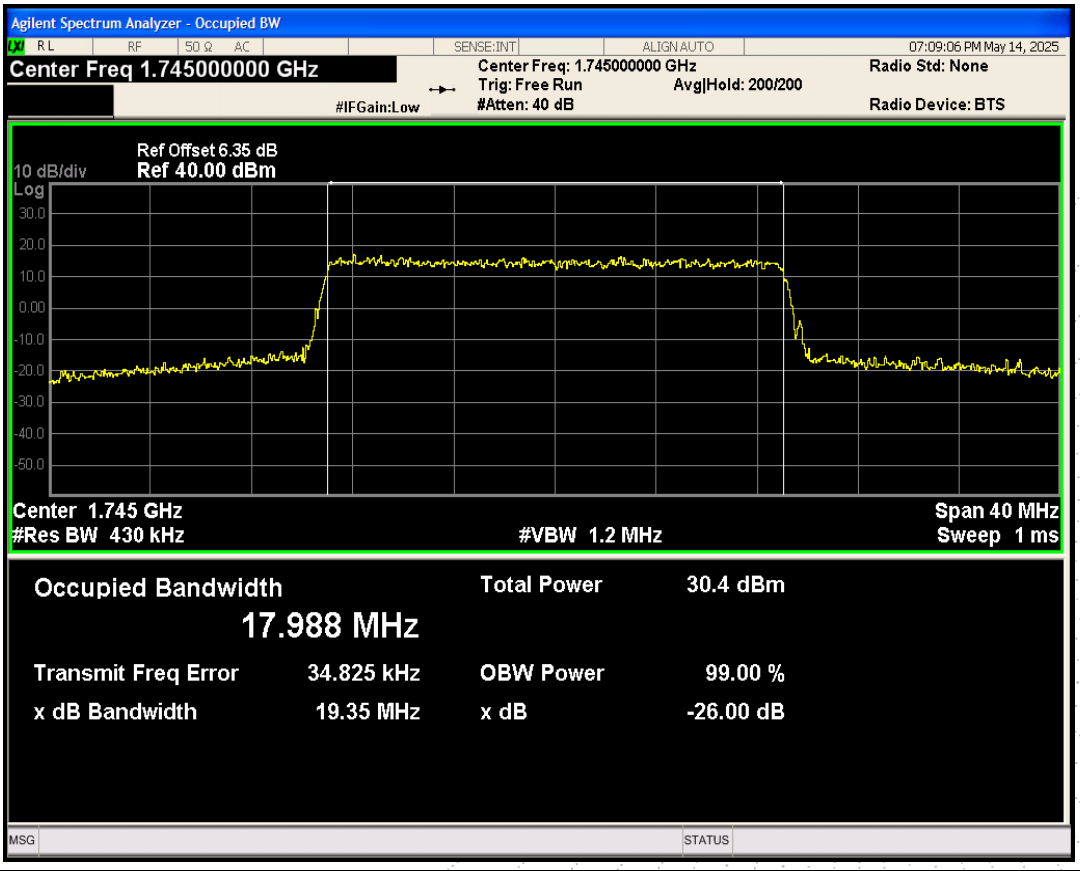
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



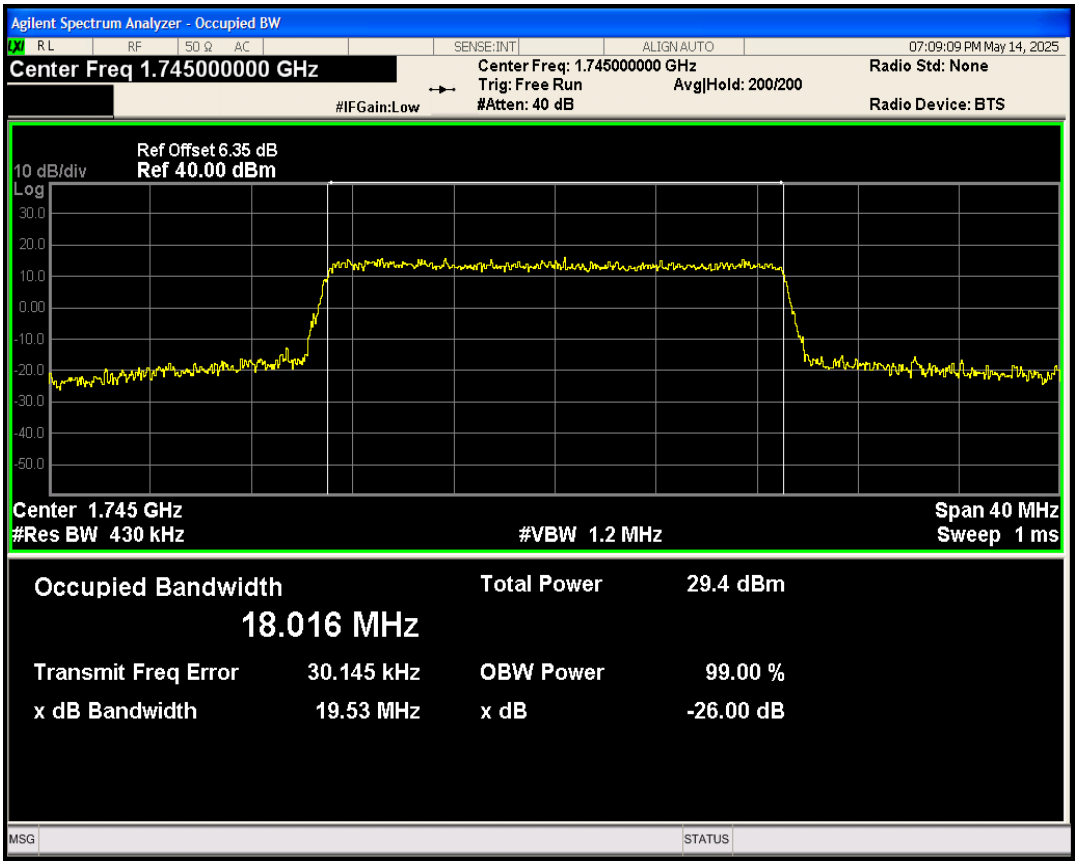
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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



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

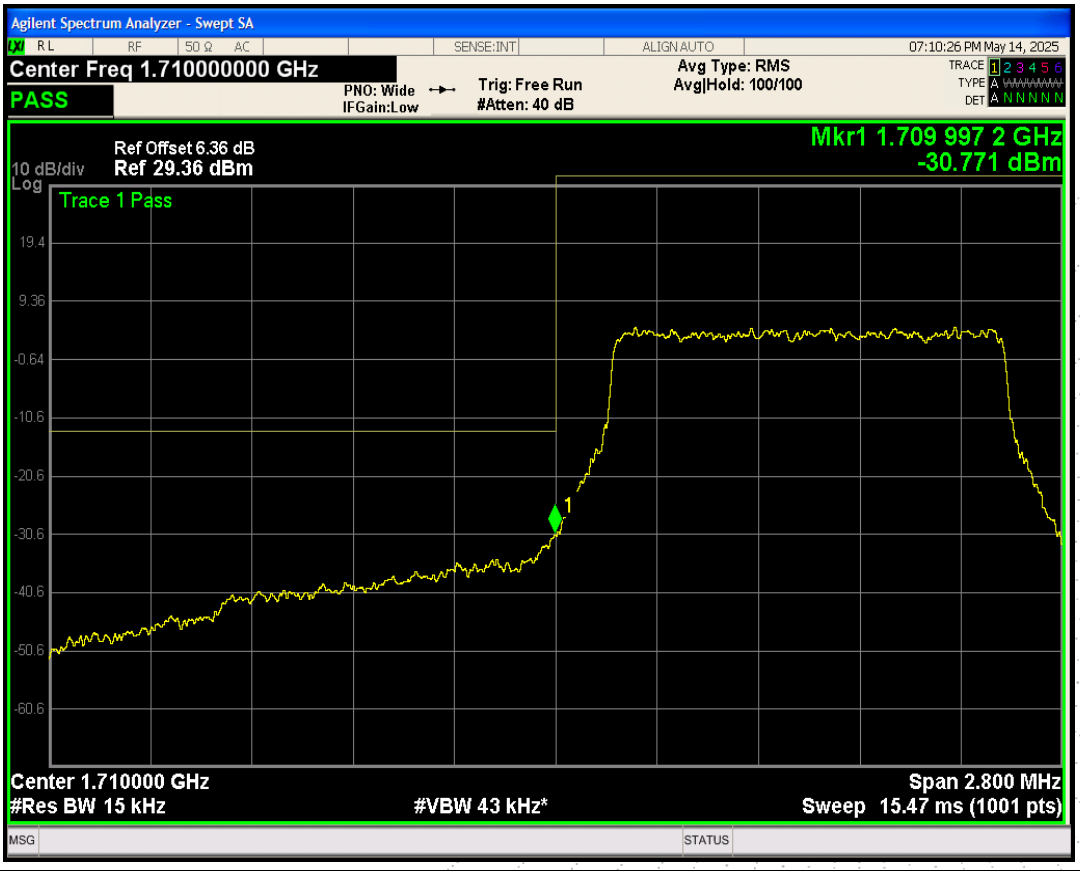


Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1710.00	-30.19	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1710.00	-30.77	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.04	-24.12	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.00	-26.60	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-30.27	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-29.06	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.03	-23.00	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-25.61	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-29.47	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-29.86	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.00	-22.61	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.01	-25.68	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1709.90	-28.14	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1709.96	-30.56	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.02	-26.03	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.04	-27.92	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.43	-25.31	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1710.00	-28.02	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.03	-27.43	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.81	-29.95	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1710.00	-28.13	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1710.00	-29.55	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.24	-28.59	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.00	-30.84	-13	PASS

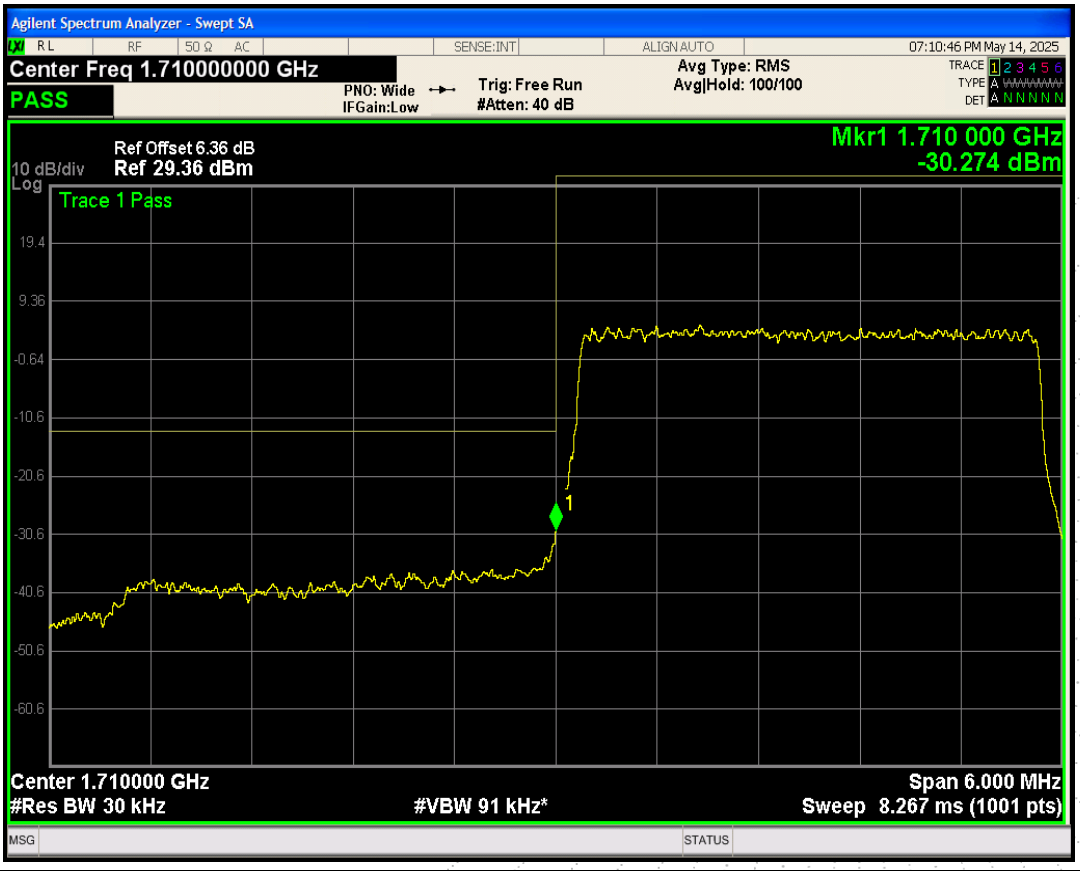
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



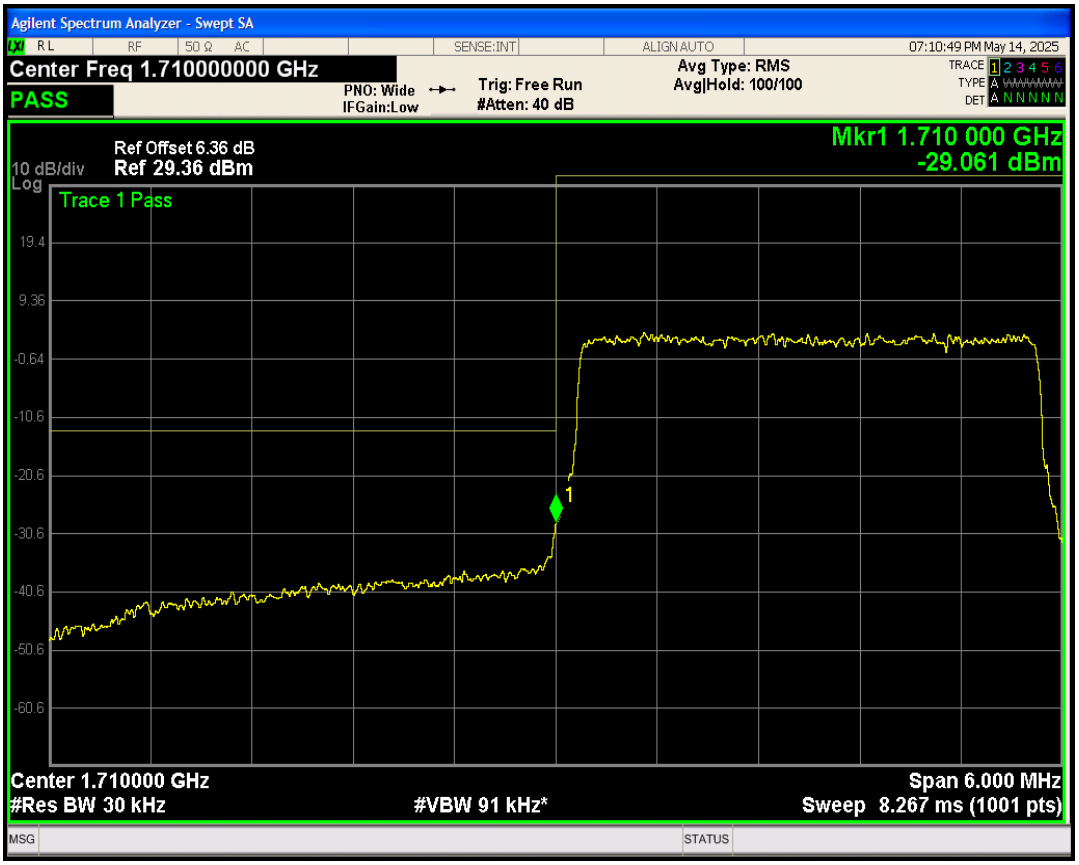
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

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

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



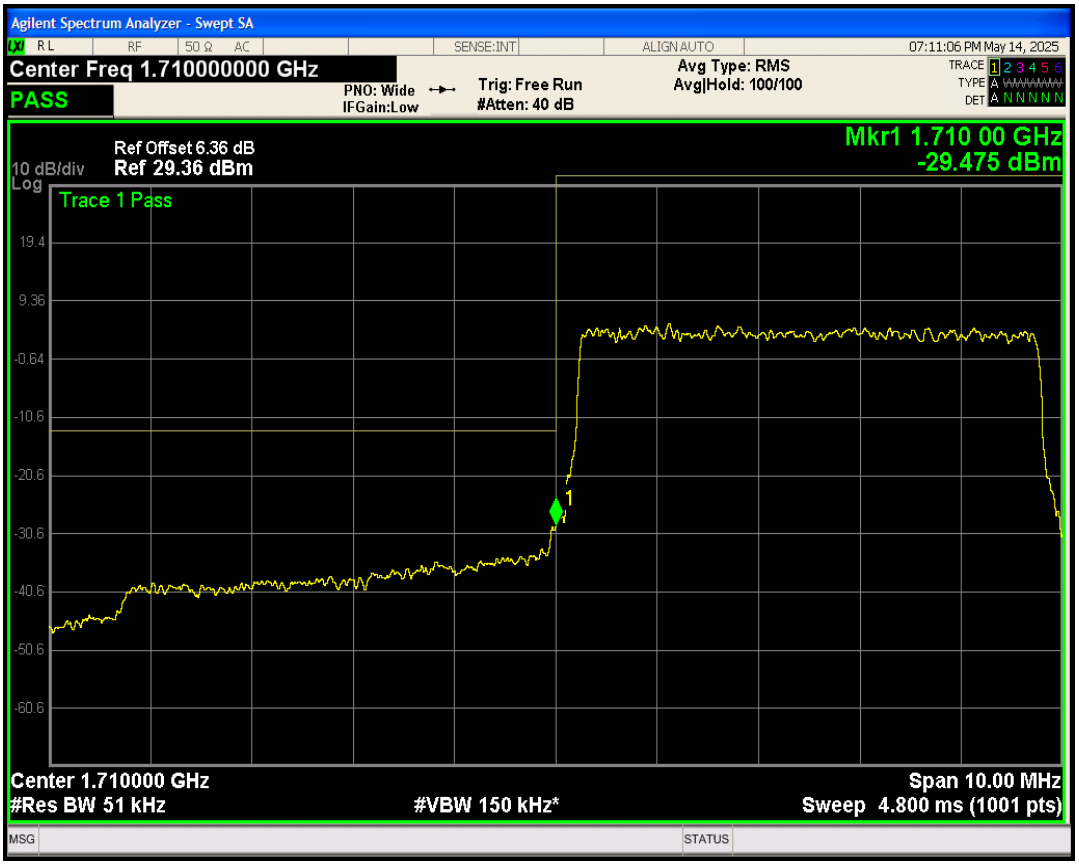
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



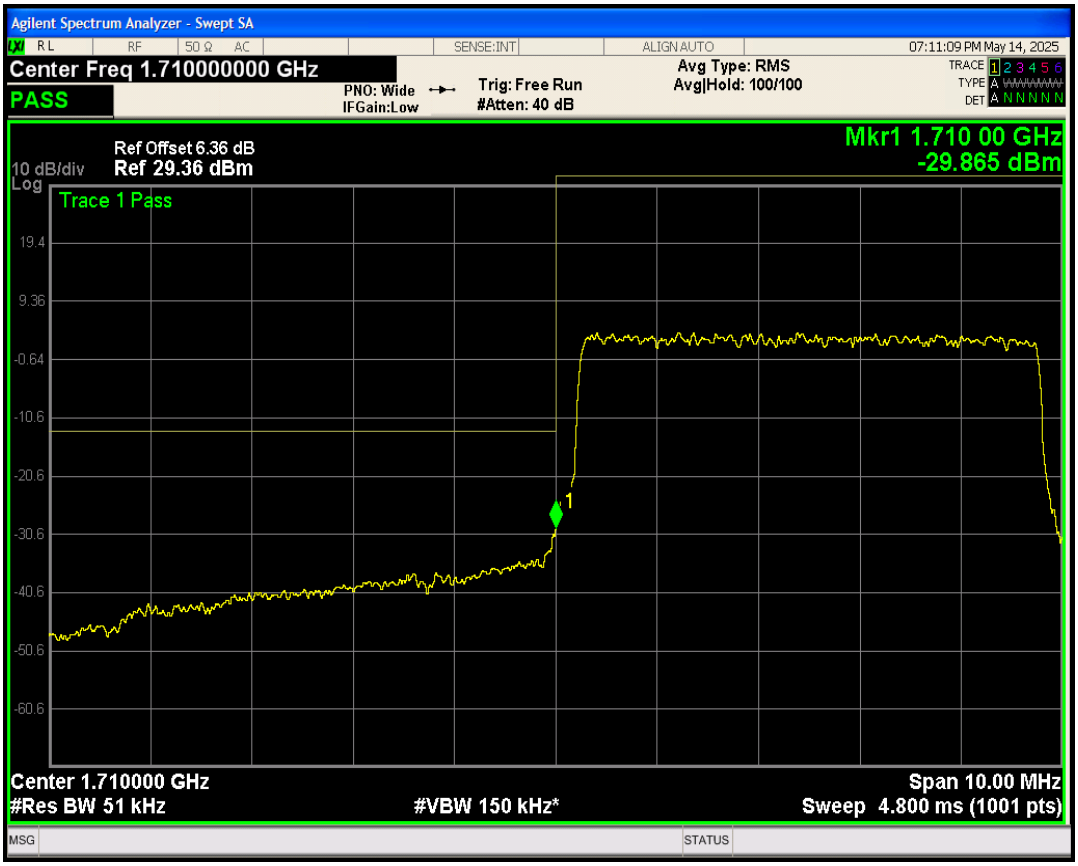
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

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

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



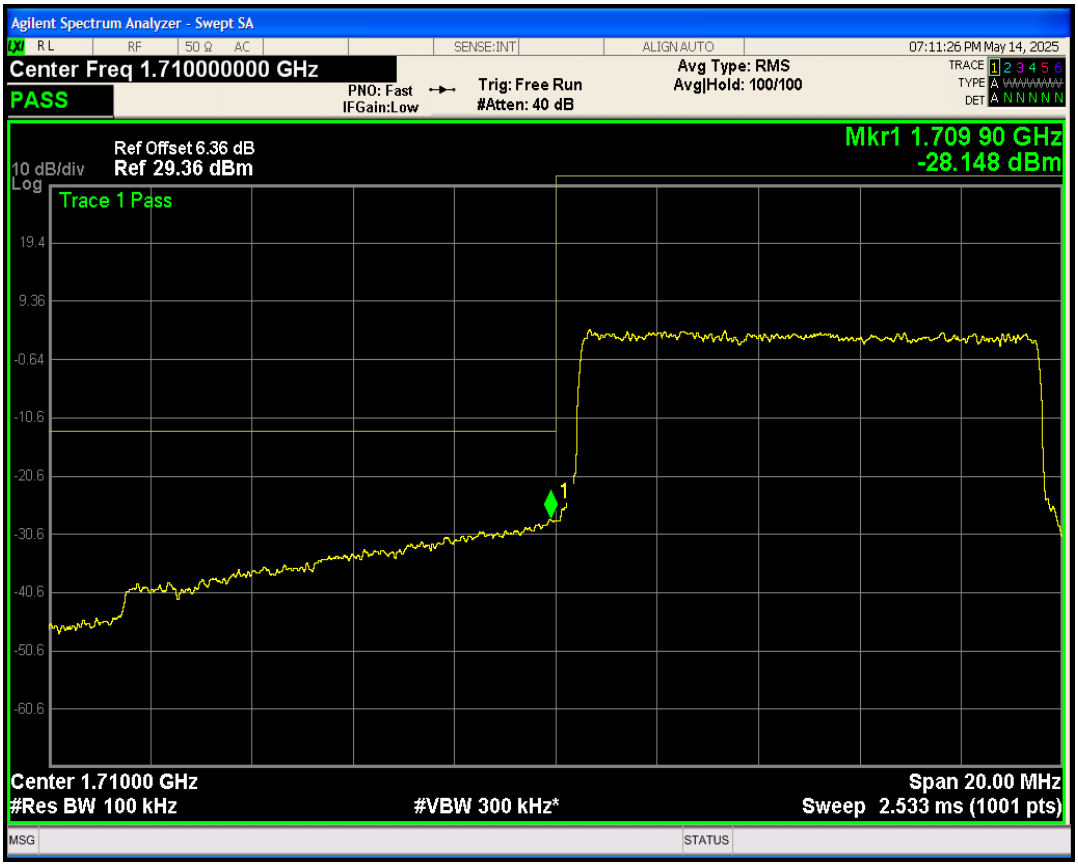
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



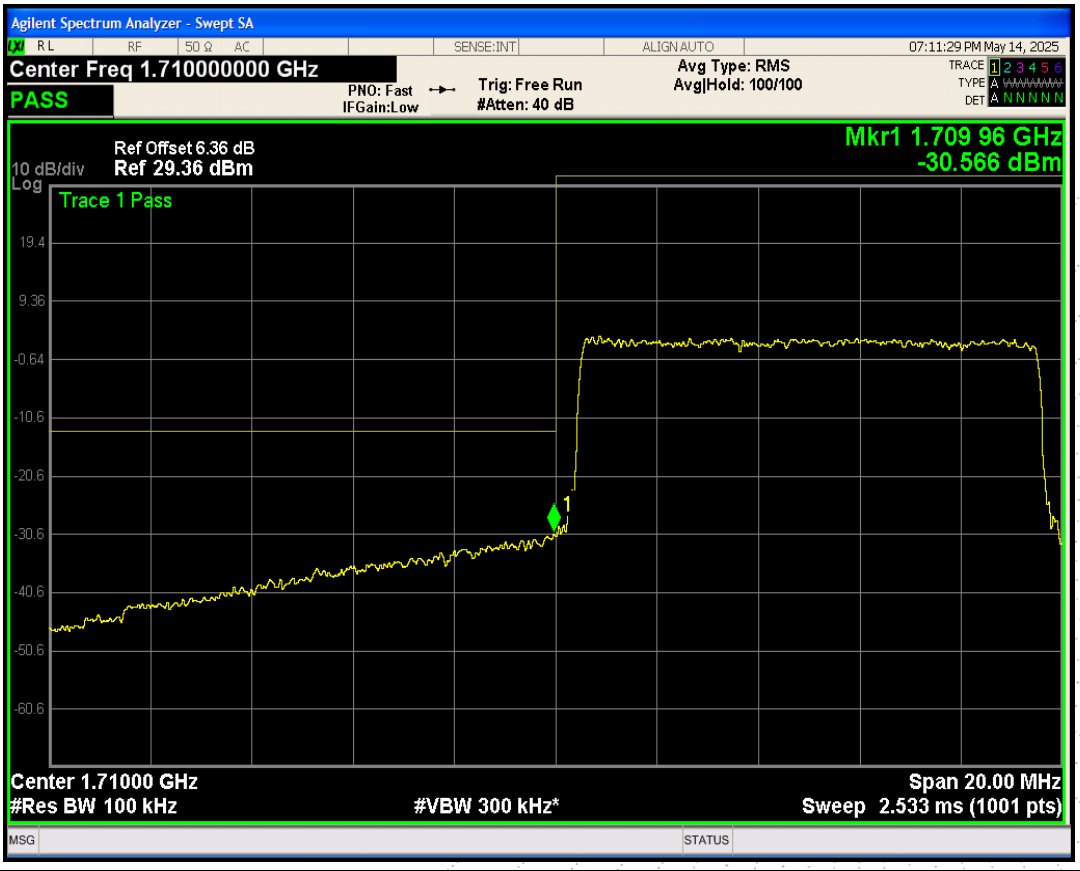
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

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

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



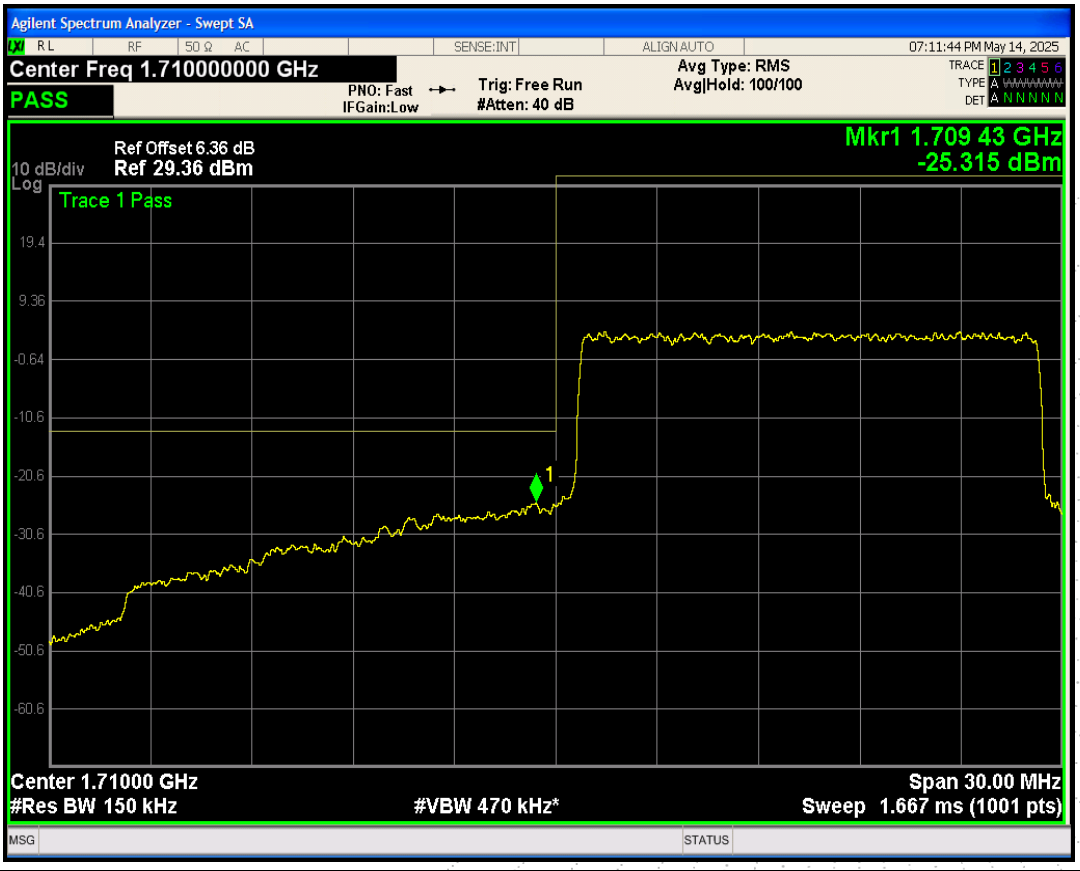
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



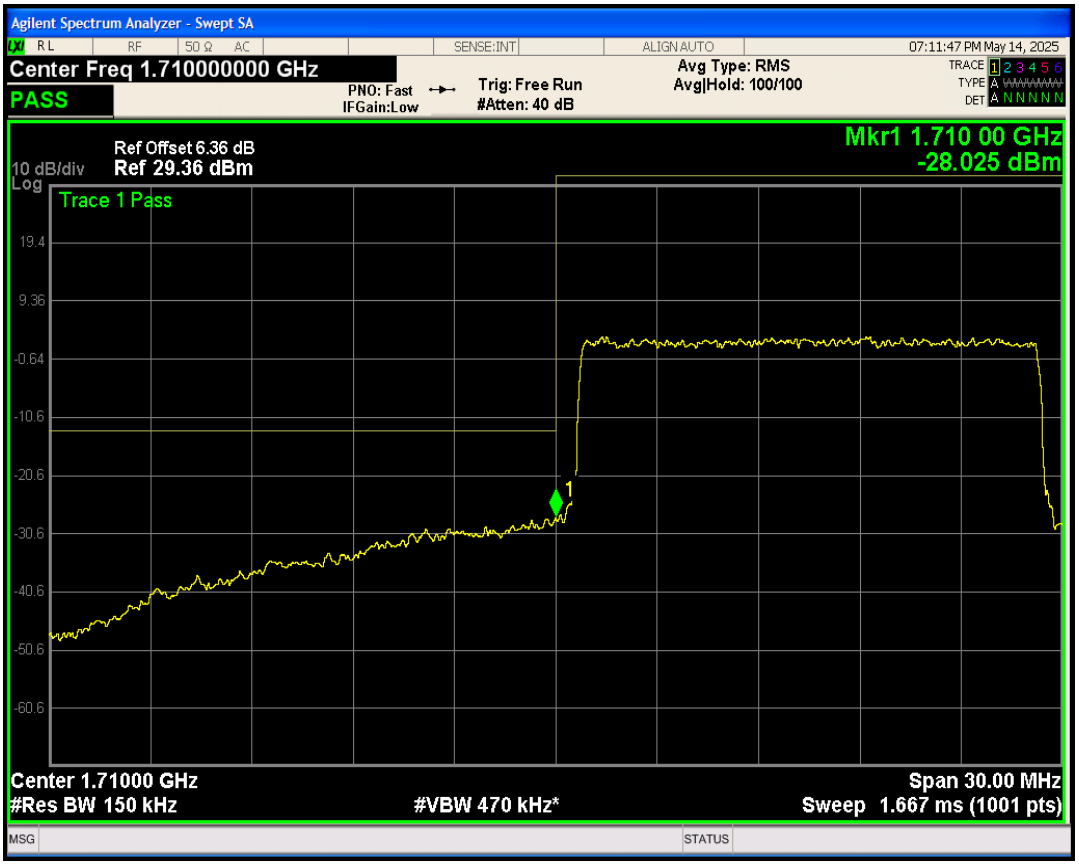
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

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

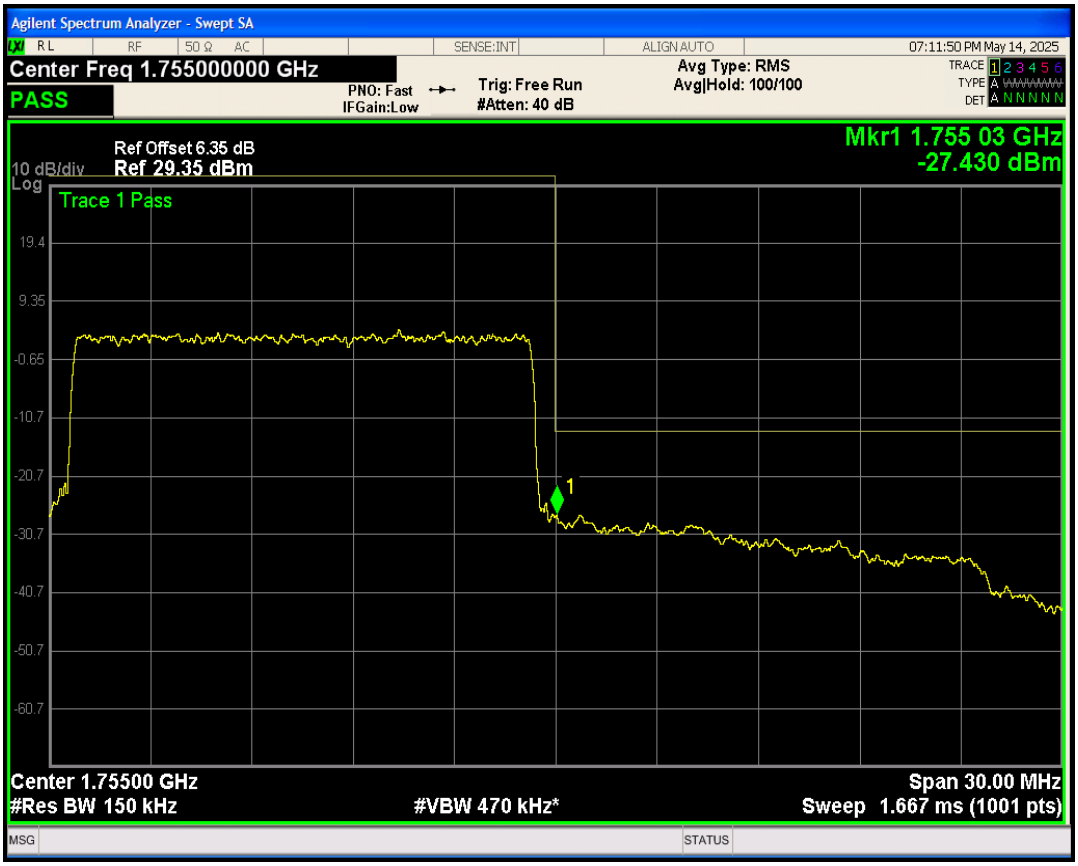
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



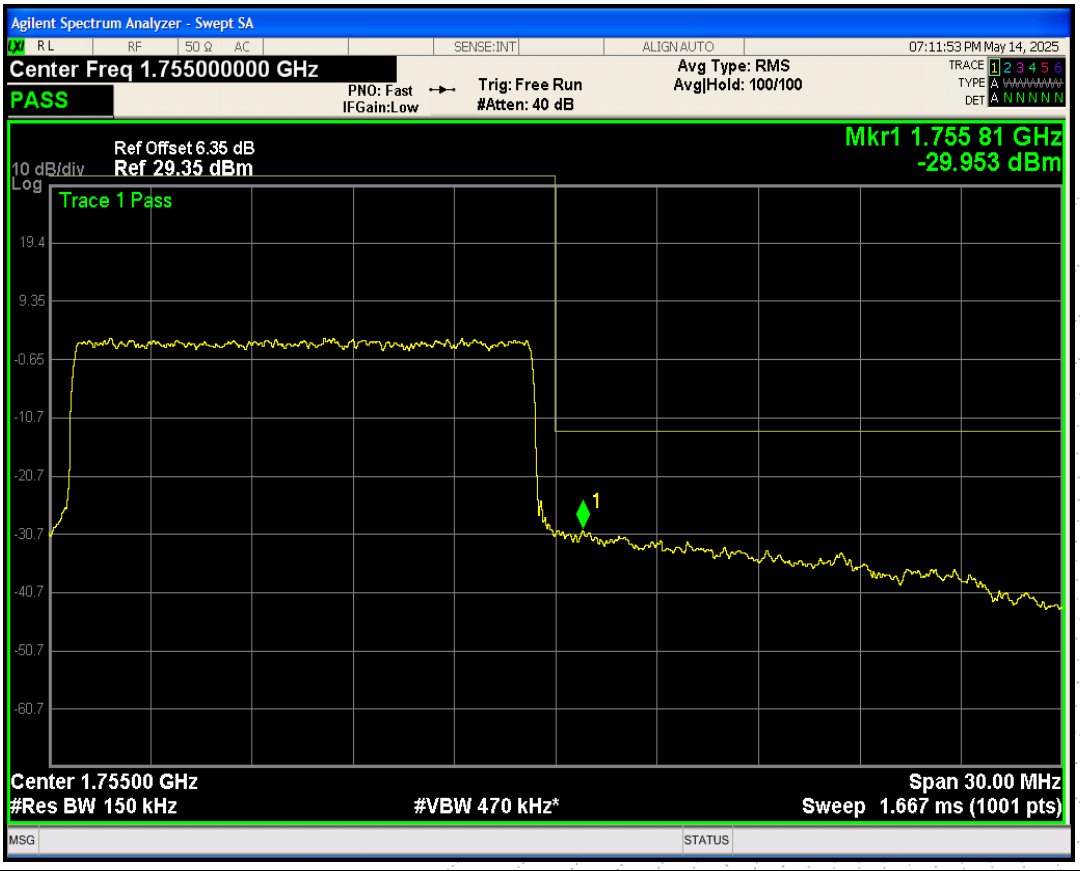
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



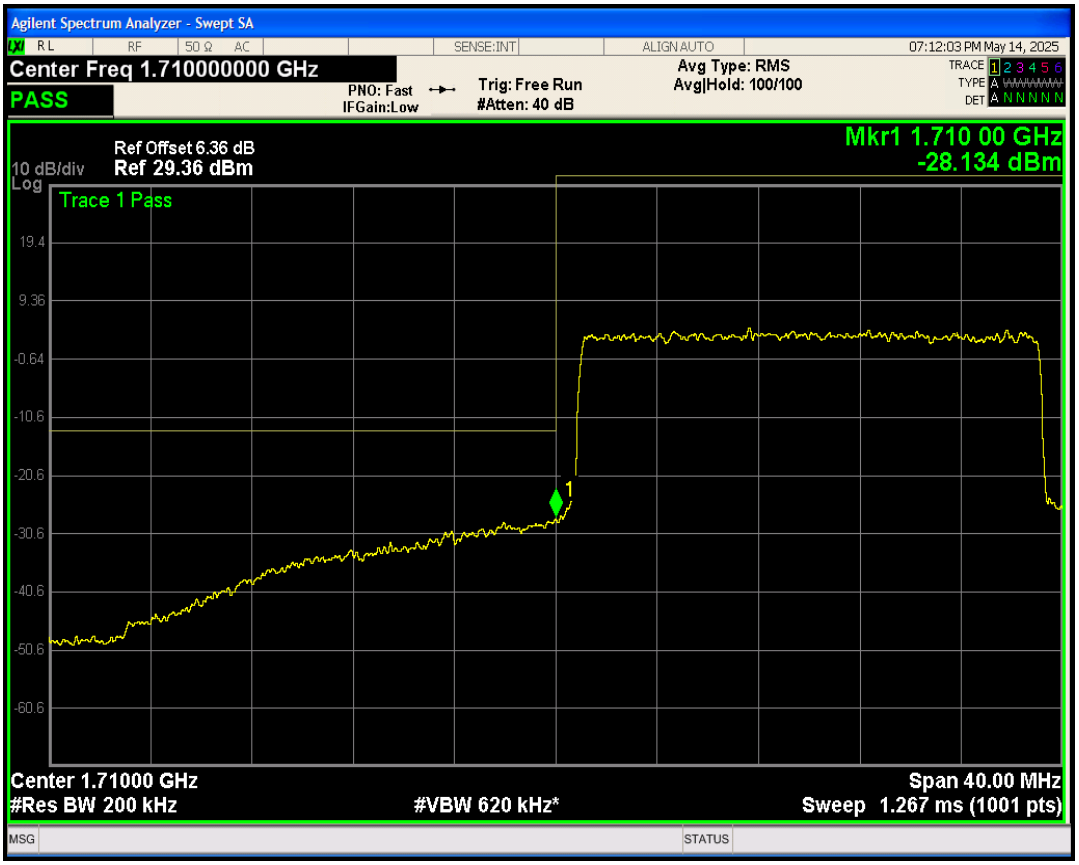
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



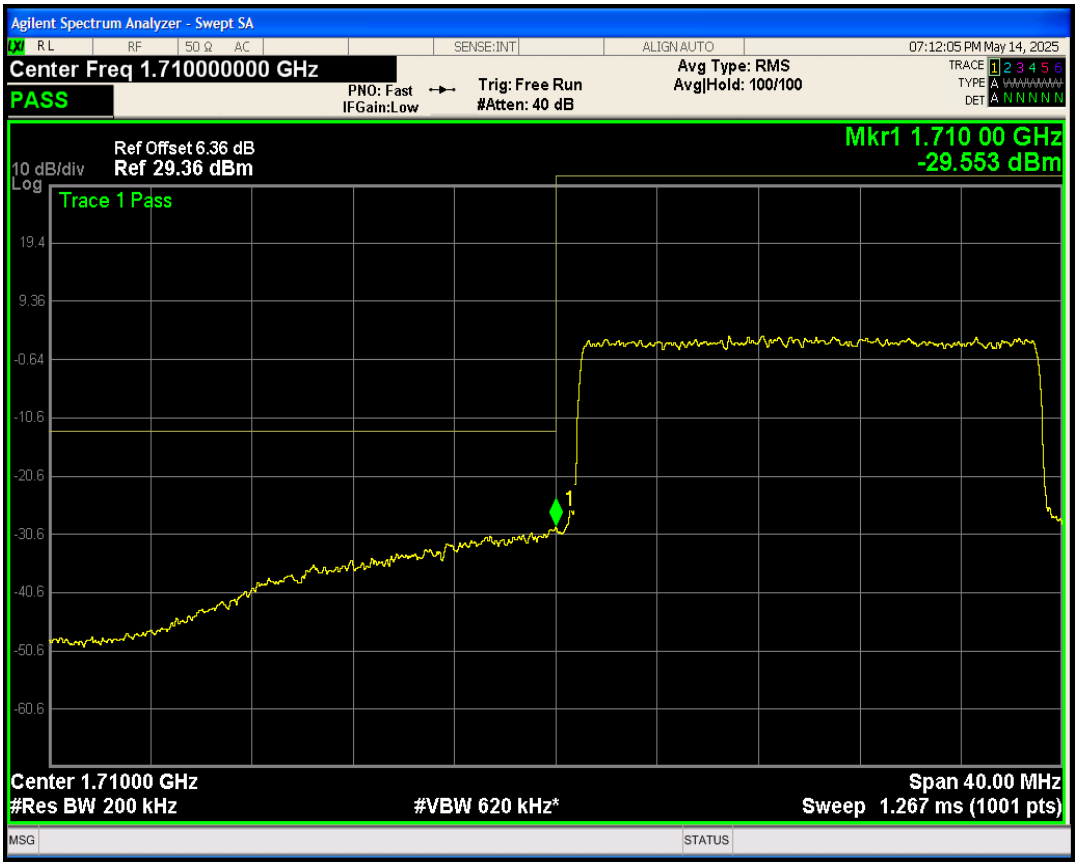
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



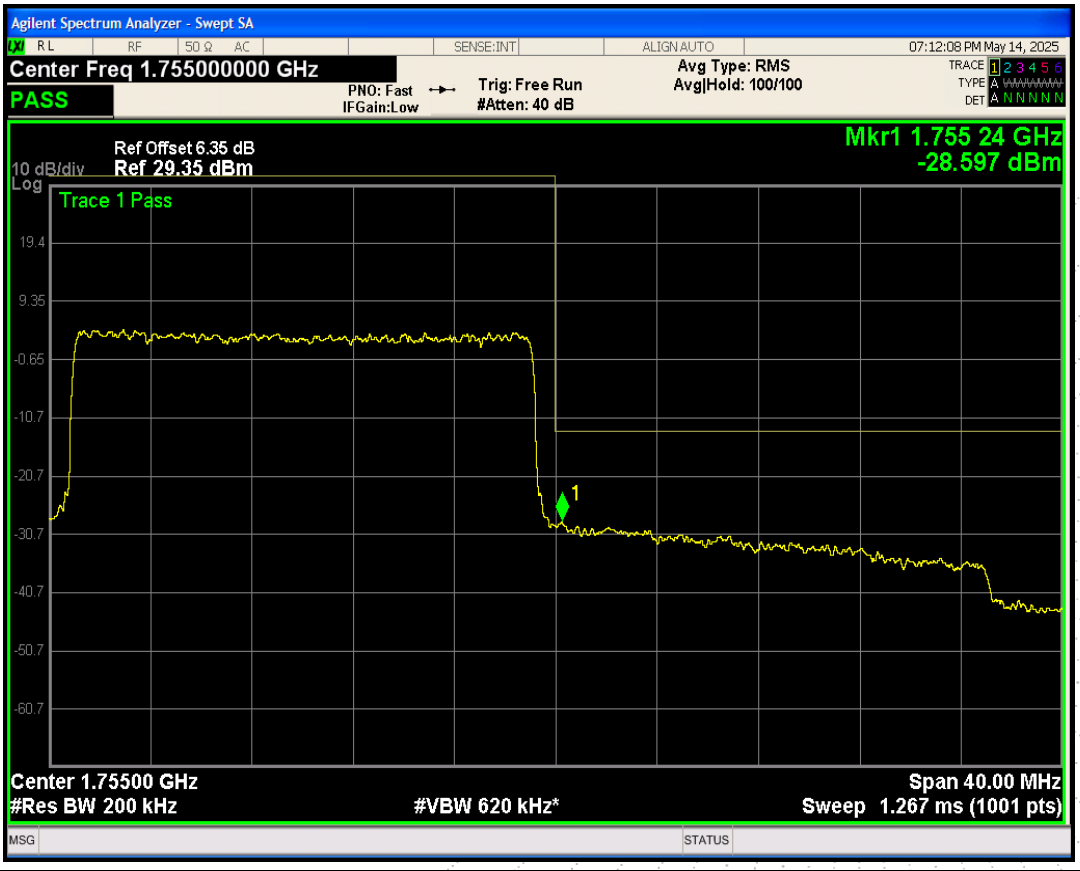
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



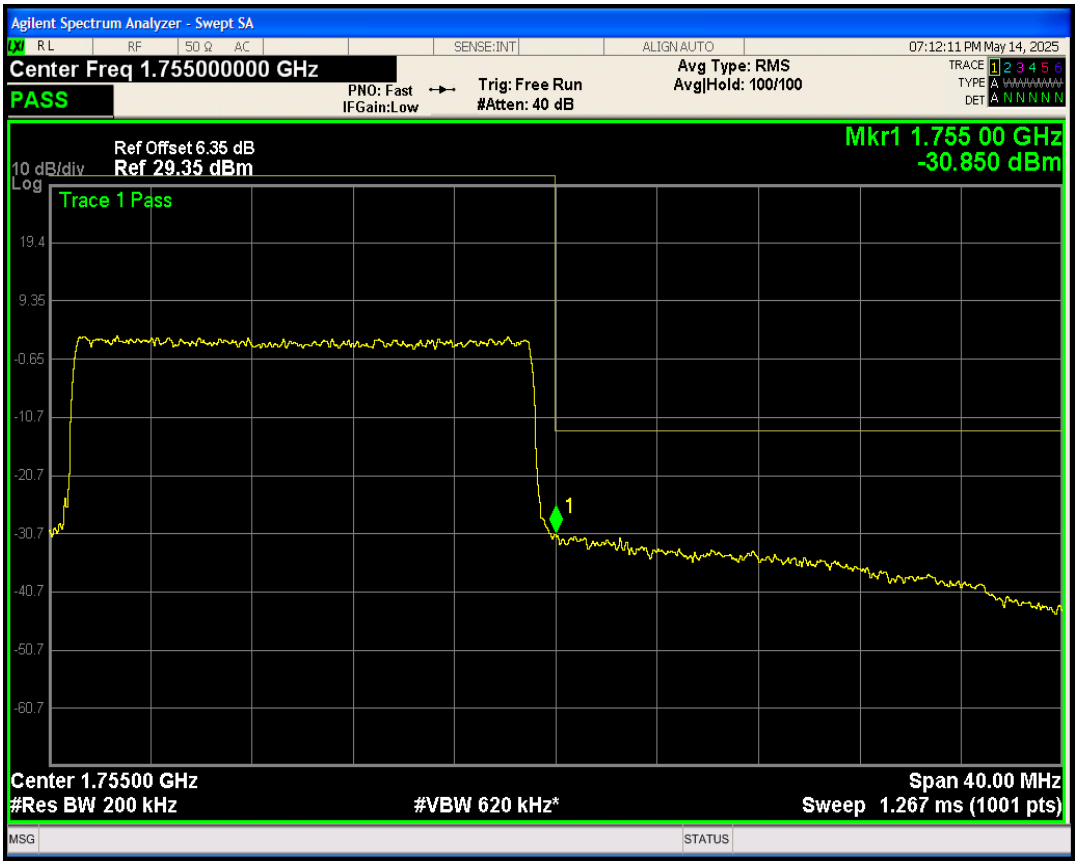
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



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



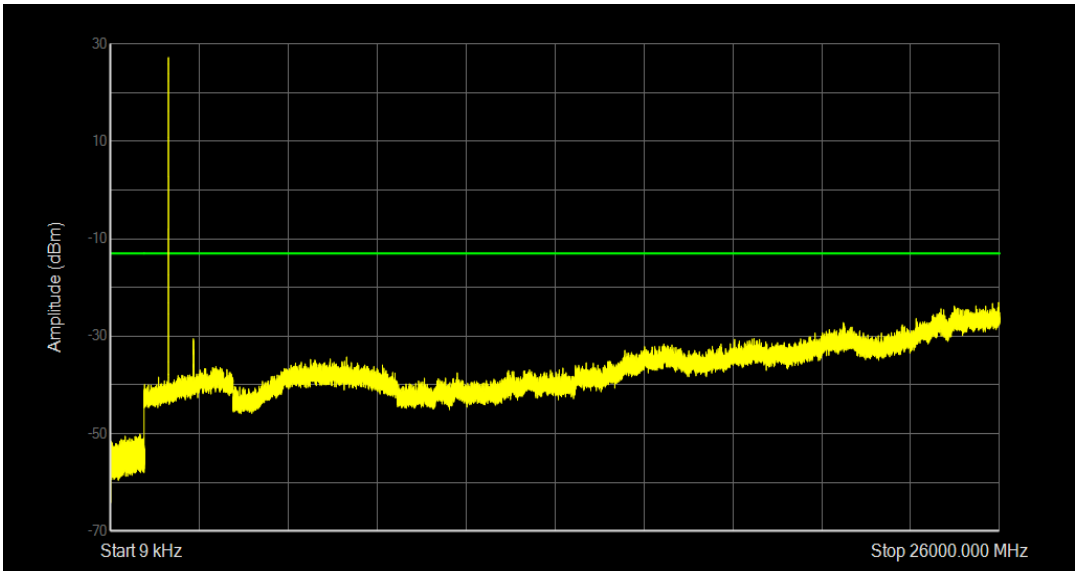
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



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

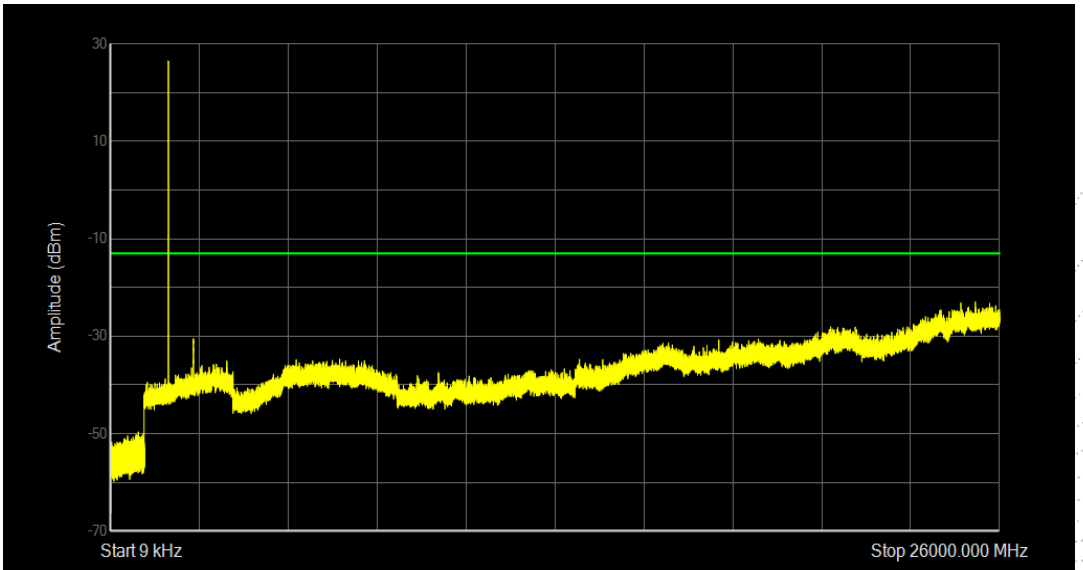
Appendix 6.Out-of-band emissions

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25972.50	-23.08	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25289.38	-22.98	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25781.25	-23.29	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25080.63	-23.21	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25870.63	-22.61	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25755.00	-22.77	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25596.88	-23.43	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25836.25	-22.94	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25722.50	-22.65	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25755.00	-23.58	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25816.25	-23.06	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25105.63	-23.32	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25815.00	-23.04	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25805.00	-23.14	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25948.75	-23.30	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25565.63	-23.29	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25518.13	-23.43	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25974.38	-23.17	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25960.63	-23.40	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25608.13	-22.67	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25371.88	-23.16	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25701.88	-23.17	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25505.63	-23.58	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25834.38	-23.23	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	25097.50	-23.03	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25619.38	-23.44	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25841.88	-22.90	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25859.38	-23.45	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	24630.00	-23.67	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25741.88	-22.82	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25175.00	-23.55	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25875.63	-23.78	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25101.25	-22.82	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25681.88	-23.29	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	24891.88	-23.70	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	24648.75	-23.83	-13	PASS



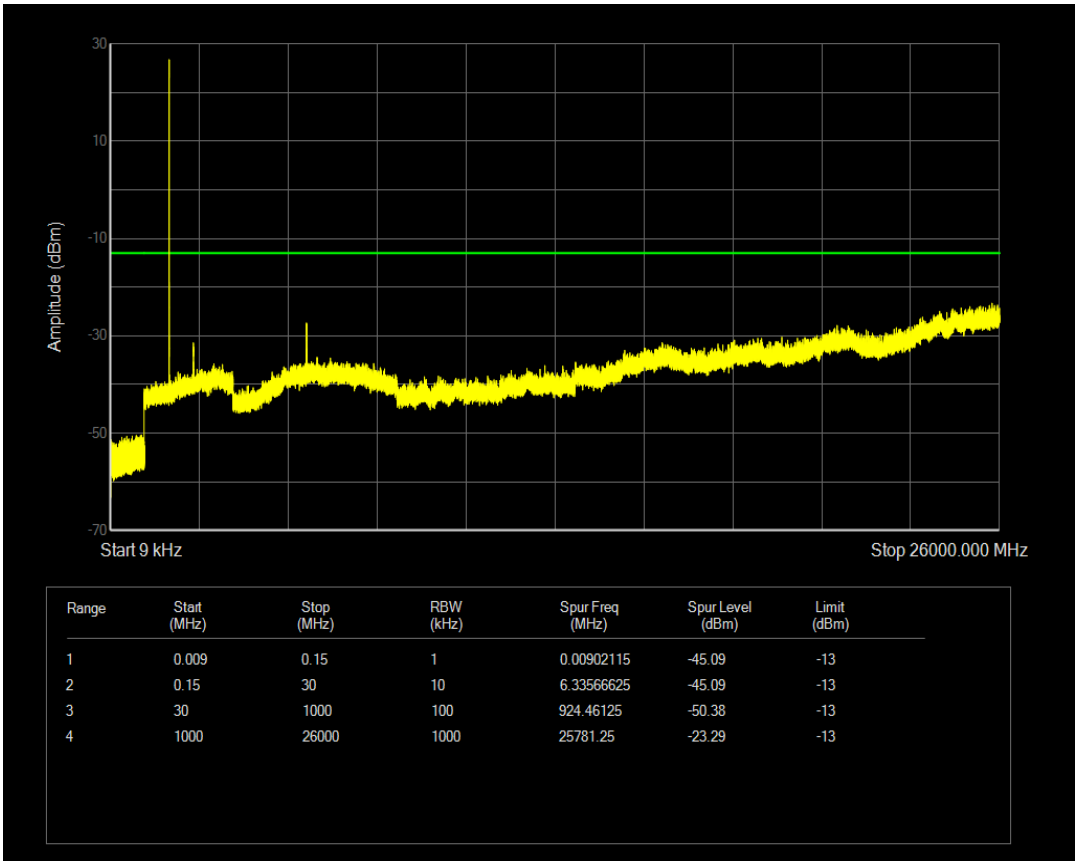
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00975435	-46.11	-13
2	0.15	30	10	6.08044875	-43.98	-13
3	30	1000	100	880.37475	-50.1	-13
4	1000	26000	1000	25972.5	-23.08	-13

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



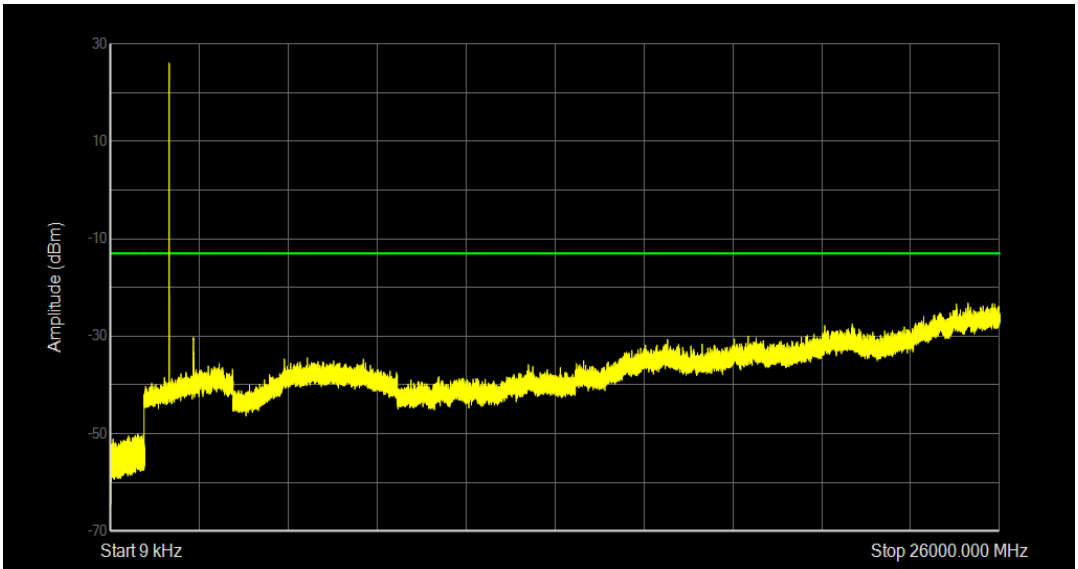
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11684385	-45.49	-13
2	0.15	30	10	6.12	-43.77	-13
3	30	1000	100	830.27425	-49.66	-13
4	1000	26000	1000	25289.375	-22.98	-13

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



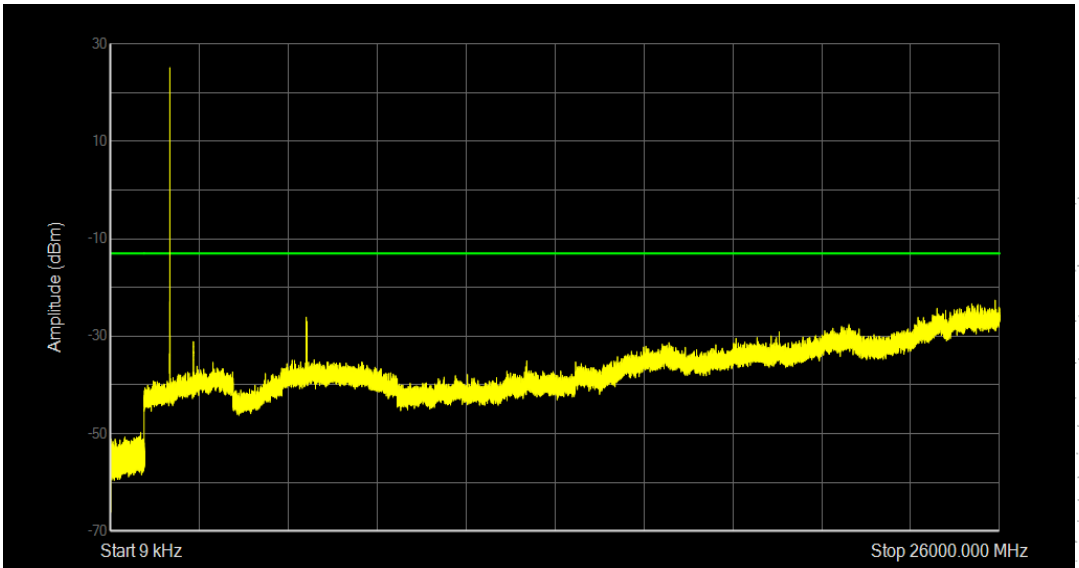
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00902115	-45.09	-13
2	0.15	30	10	6.33566625	-45.09	-13
3	30	1000	100	924.46125	-50.38	-13
4	1000	26000	1000	25781.25	-23.29	-13

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



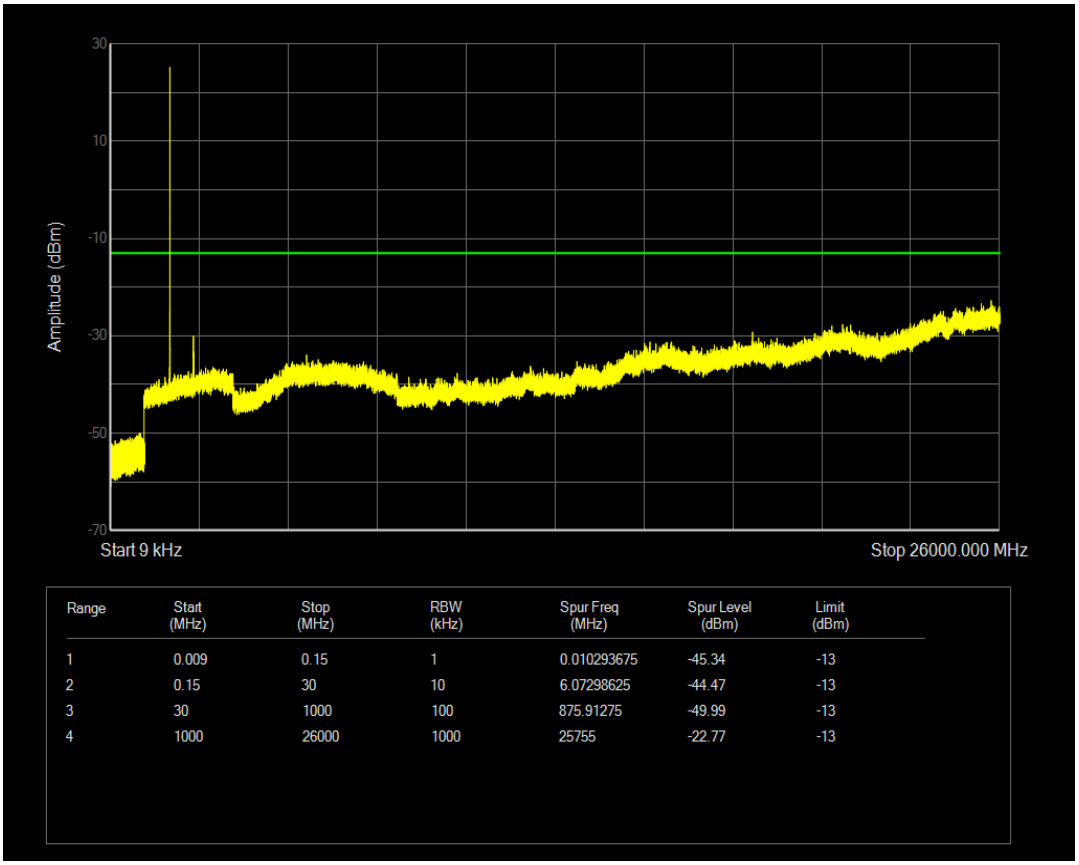
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11482755	-46.1	-13
2	0.15	30	10	6.47223	-44.6	-13
3	30	1000	100	811.82	-50.14	-13
4	1000	26000	1000	25080.625	-23.21	-13

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



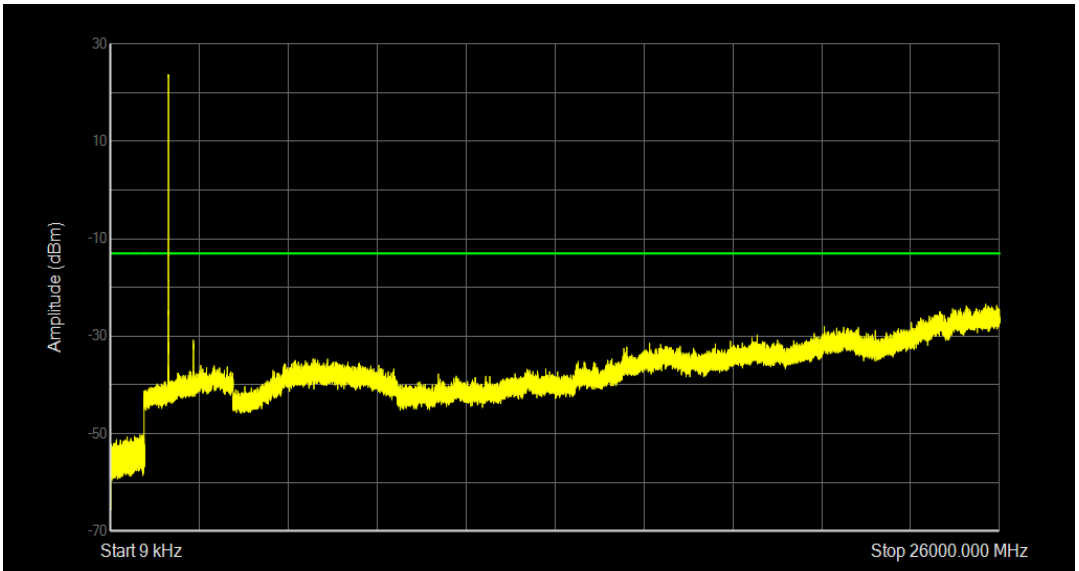
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099165	-45.11	-13
2	0.15	30	10	6.105075	-43.93	-13
3	30	1000	100	902.418	-49.78	-13
4	1000	26000	1000	25870.625	-22.61	-13

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



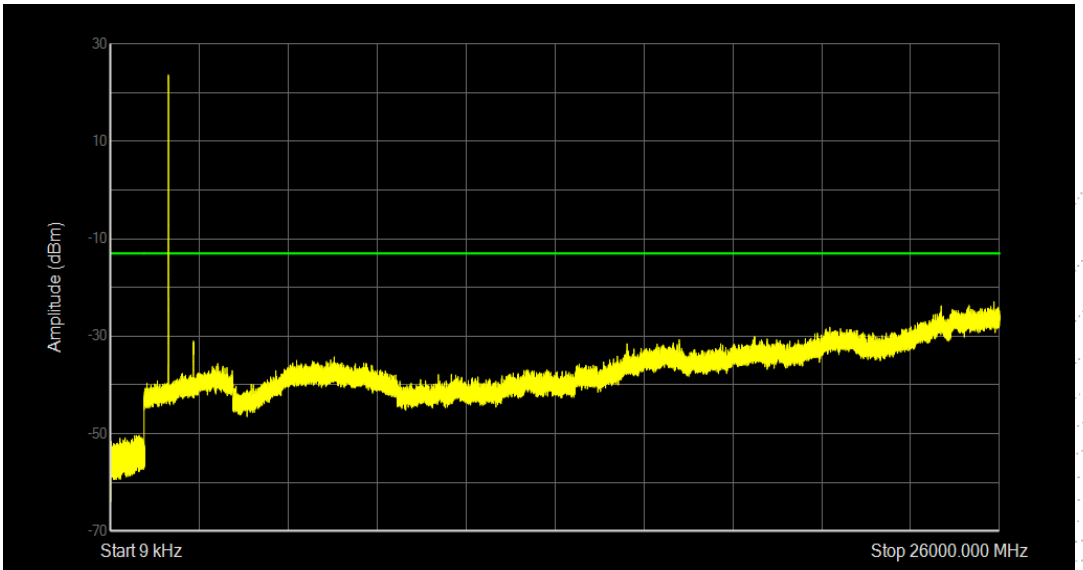
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010293675	-45.34	-13
2	0.15	30	10	6.07298625	-44.47	-13
3	30	1000	100	875.91275	-49.99	-13
4	1000	26000	1000	25755	-22.77	-13

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



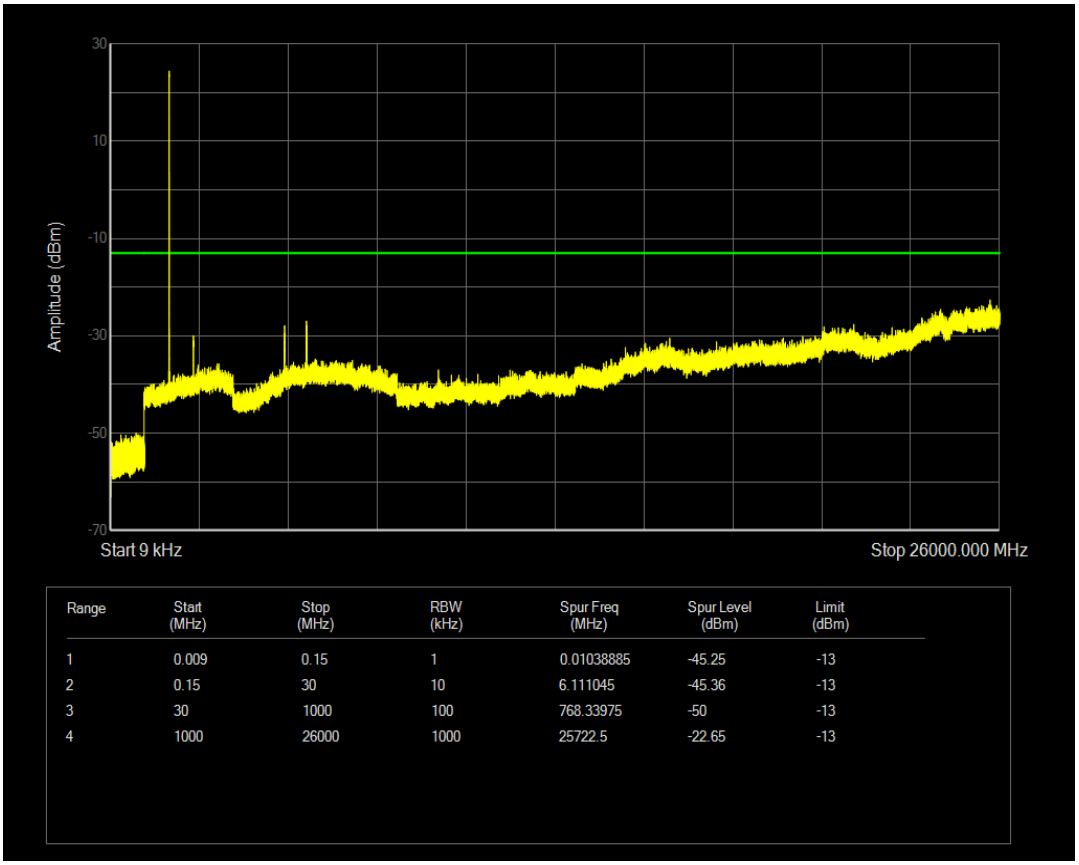
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00931725	-44.29	-13
2	0.15	30	10	6.11029875	-44.72	-13
3	30	1000	100	884.0365	-50.26	-13
4	1000	26000	1000	25596.875	-23.43	-13

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



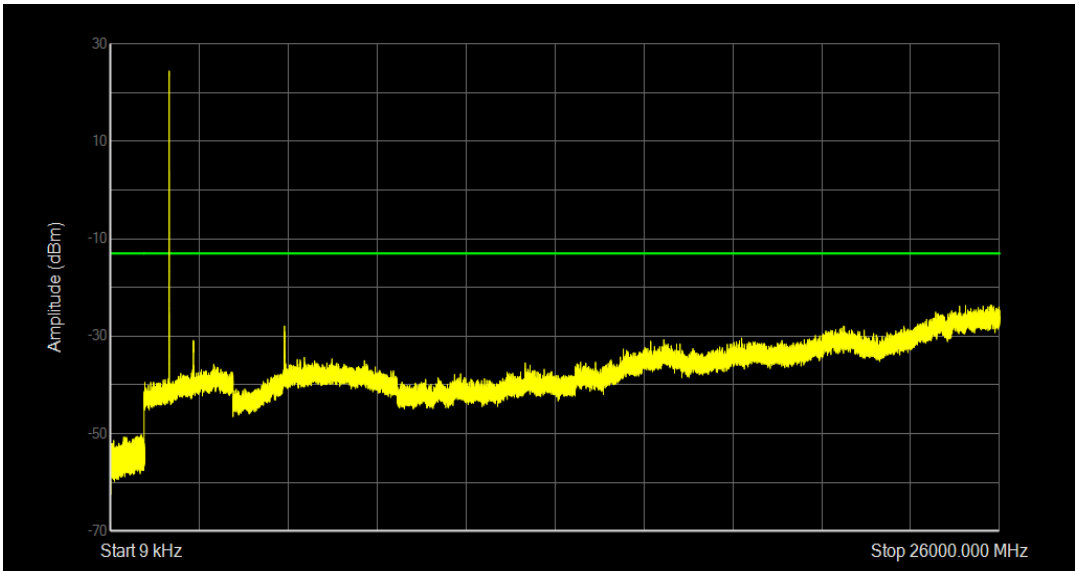
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11563125	-45.19	-13
2	0.15	30	10	6.51775125	-45.68	-13
3	30	1000	100	853.40875	-50.37	-13
4	1000	26000	1000	25836.25	-22.94	-13

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



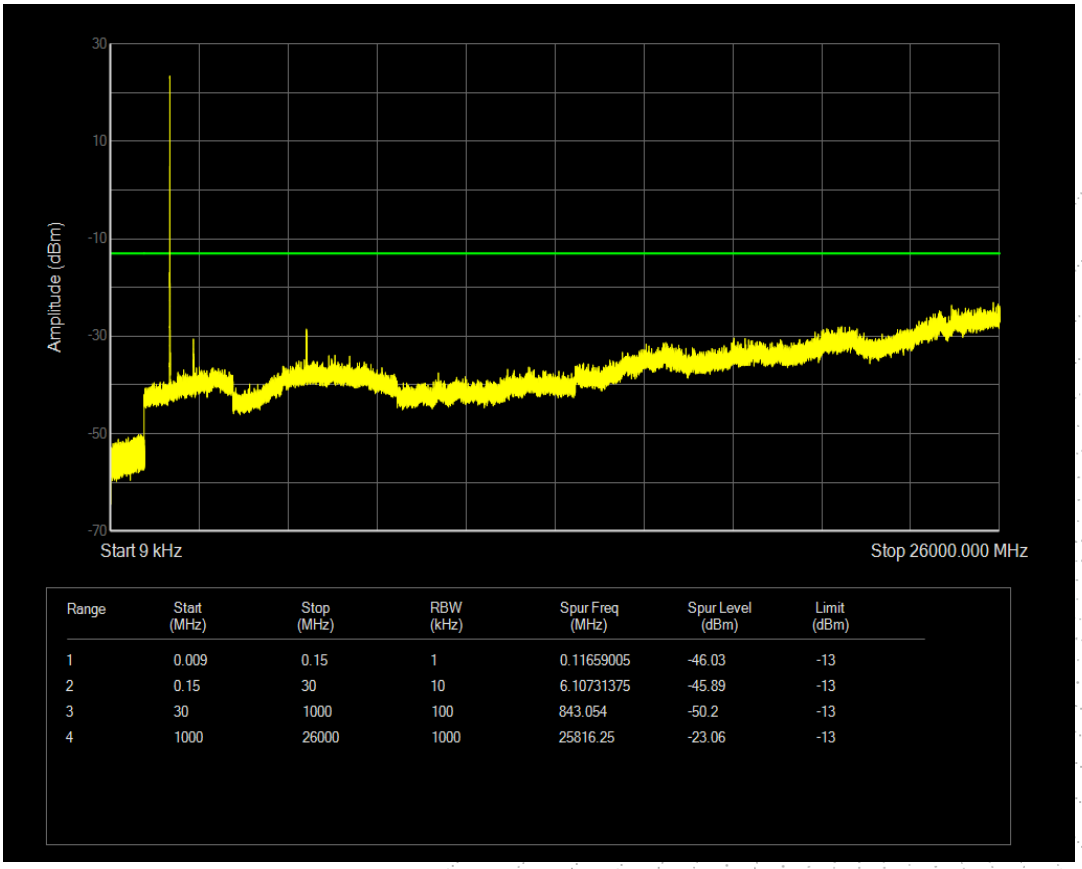
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01038885	-45.25	-13
2	0.15	30	10	6.111045	-45.36	-13
3	30	1000	100	768.33975	-50	-13
4	1000	26000	1000	25722.5	-22.65	-13

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



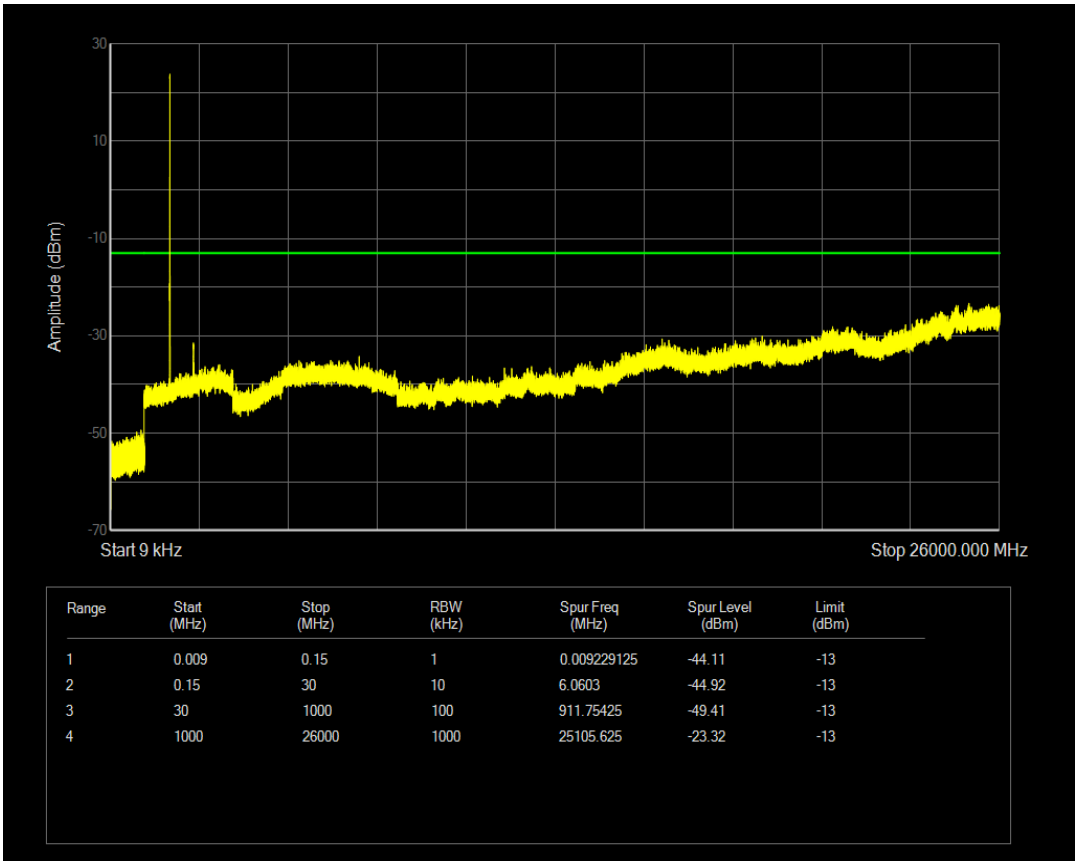
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009546375	-45.61	-13
2	0.15	30	10	6.099105	-44.96	-13
3	30	1000	100	919.0535	-50.23	-13
4	1000	26000	1000	25755	-23.58	-13

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



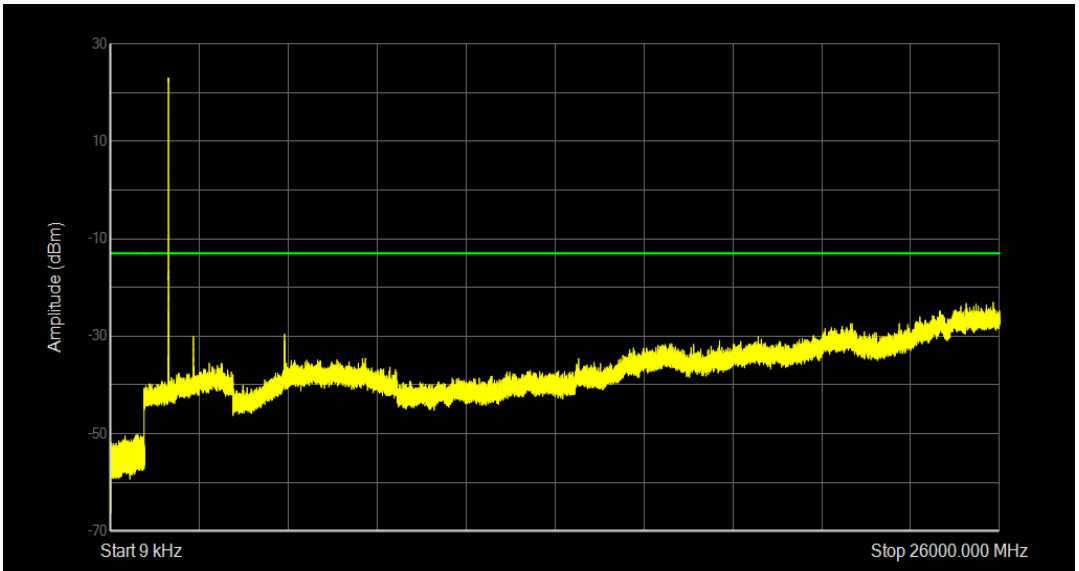
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11659005	-46.03	-13
2	0.15	30	10	6.10731375	-45.89	-13
3	30	1000	100	843.054	-50.2	-13
4	1000	26000	1000	25816.25	-23.06	-13

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



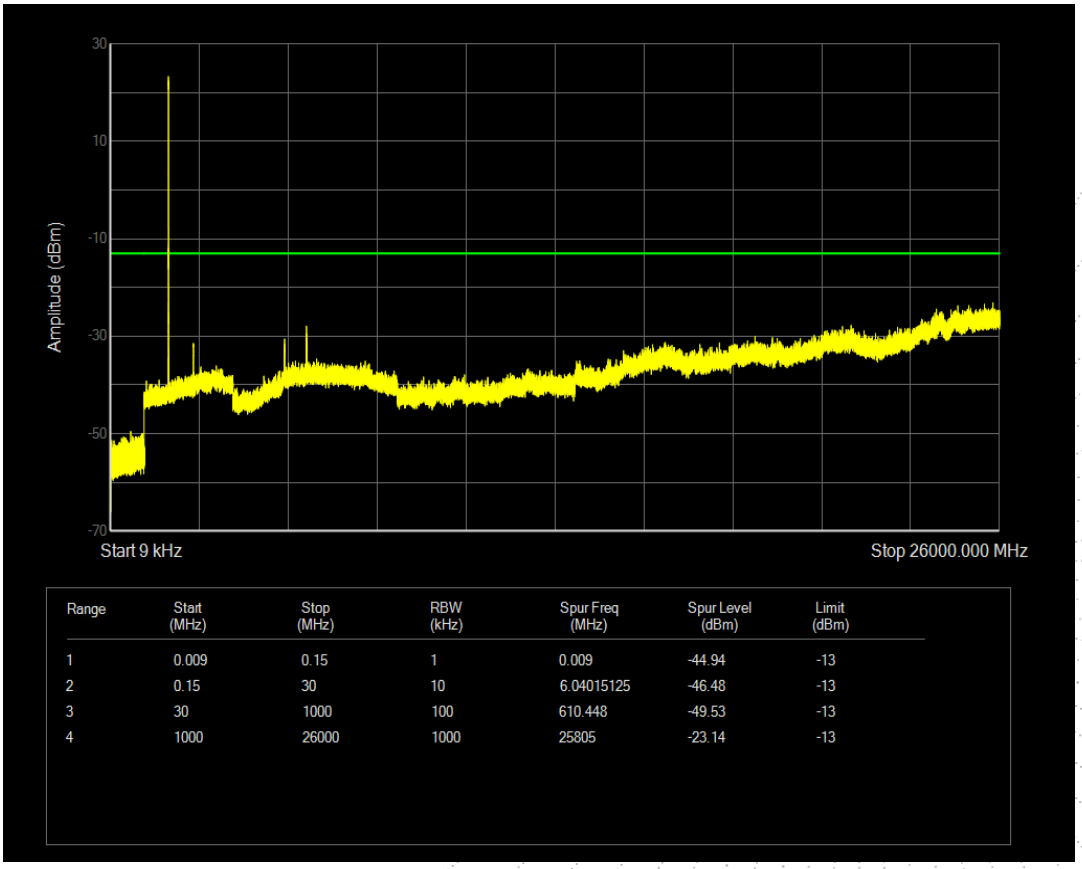
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009229125	-44.11	-13
2	0.15	30	10	6.0603	-44.92	-13
3	30	1000	100	911.75425	-49.41	-13
4	1000	26000	1000	25105.625	-23.32	-13

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



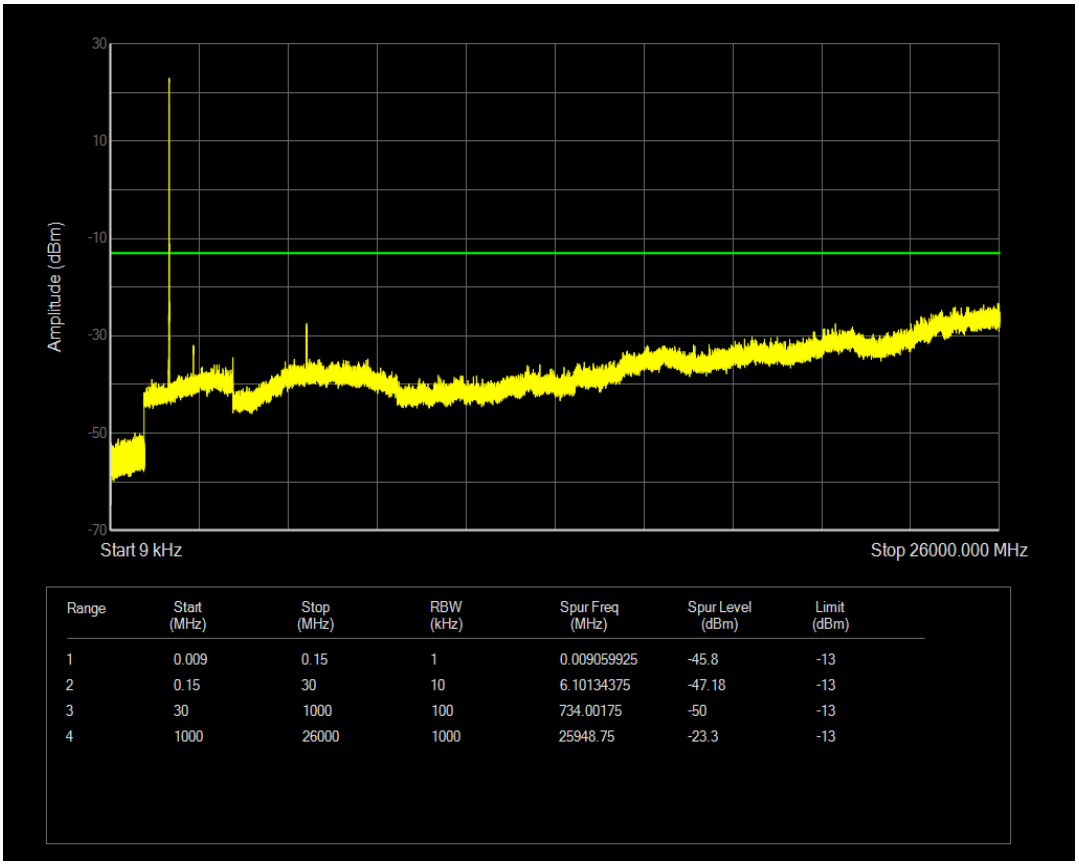
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010216125	-44.29	-13
2	0.15	30	10	6.52969125	-46.85	-13
3	30	1000	100	772.17125	-50.27	-13
4	1000	26000	1000	25815	-23.04	-13

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



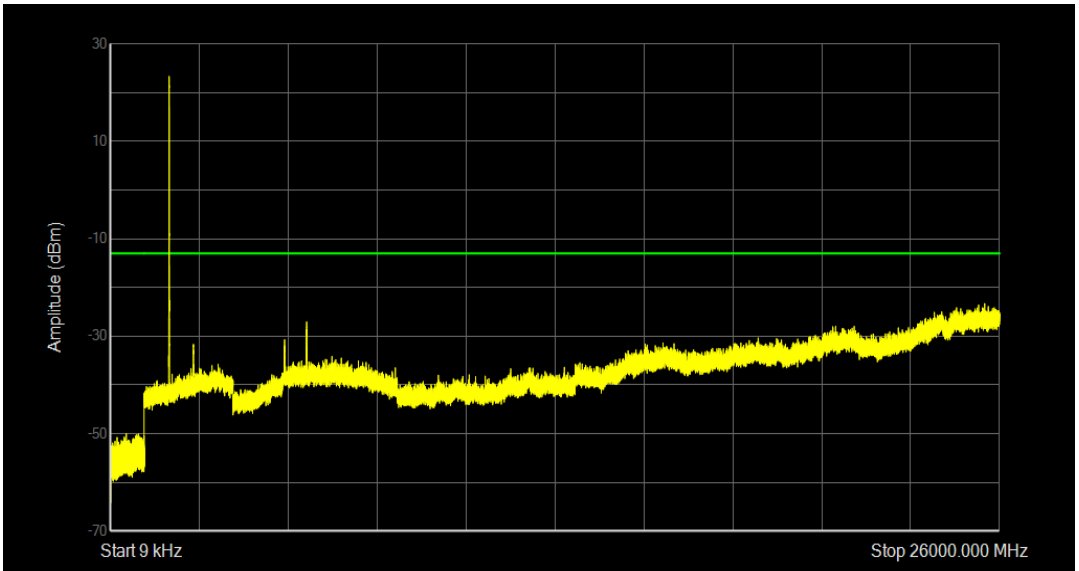
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.94	-13
2	0.15	30	10	6.04015125	-46.48	-13
3	30	1000	100	610.448	-49.53	-13
4	1000	26000	1000	25805	-23.14	-13

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



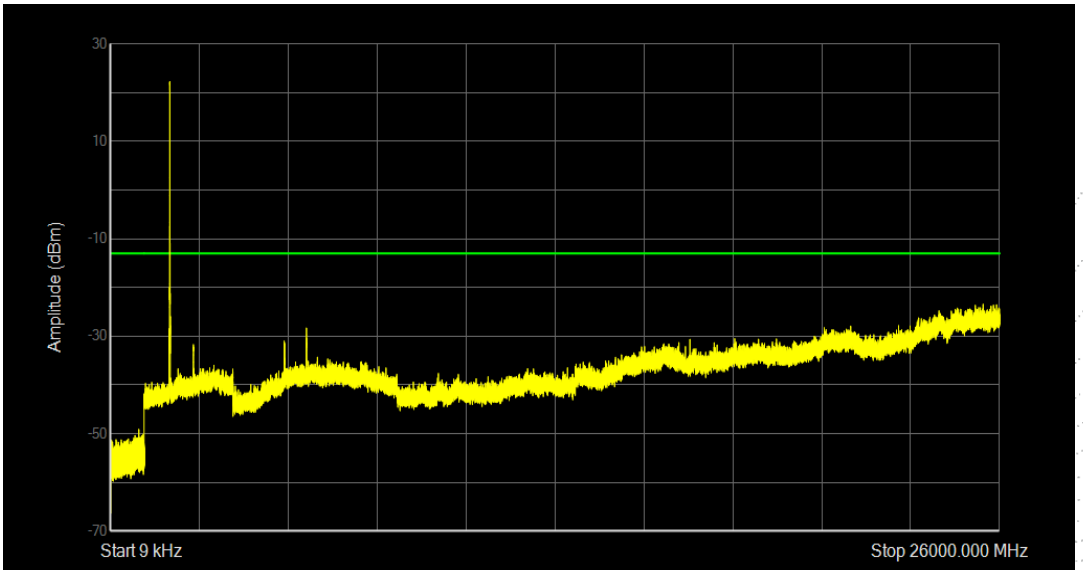
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009059925	-45.8	-13
2	0.15	30	10	6.10134375	-47.18	-13
3	30	1000	100	734.00175	-50	-13
4	1000	26000	1000	25948.75	-23.3	-13

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



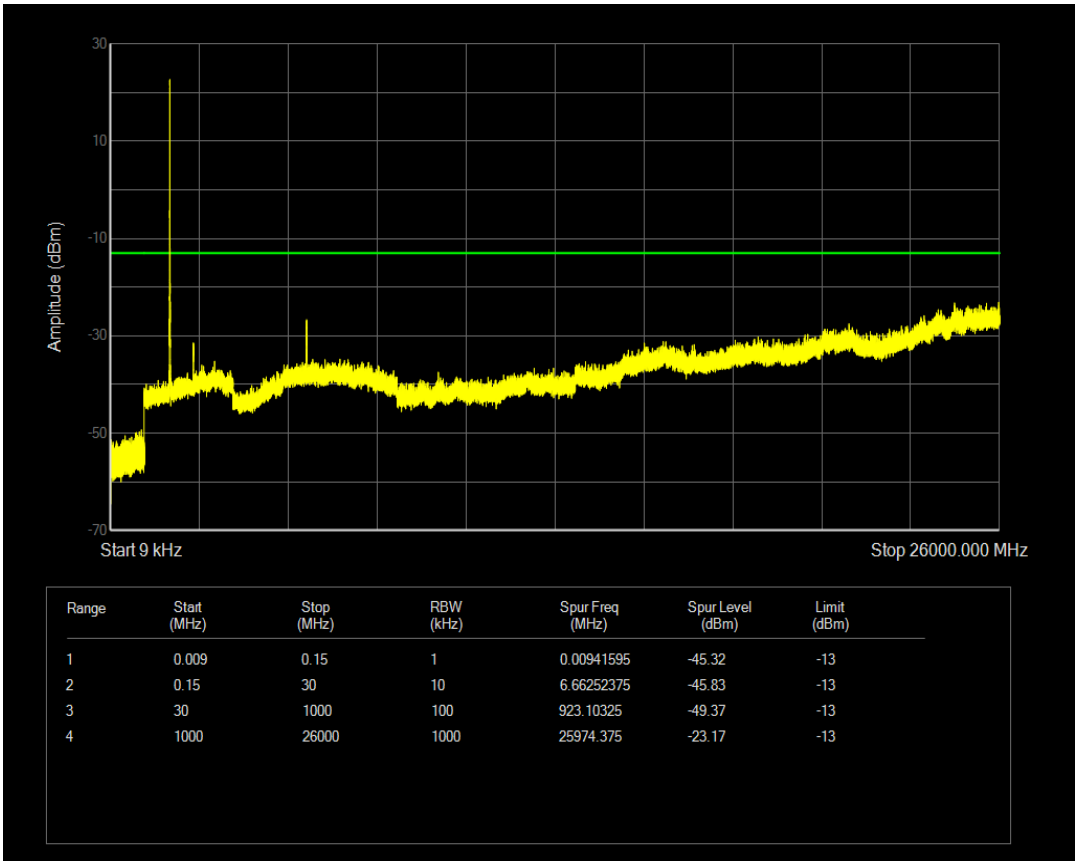
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00951465	-45.62	-13
2	0.15	30	10	6.08641875	-45.75	-13
3	30	1000	100	479.7405	-50.01	-13
4	1000	26000	1000	25565.625	-23.29	-13

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



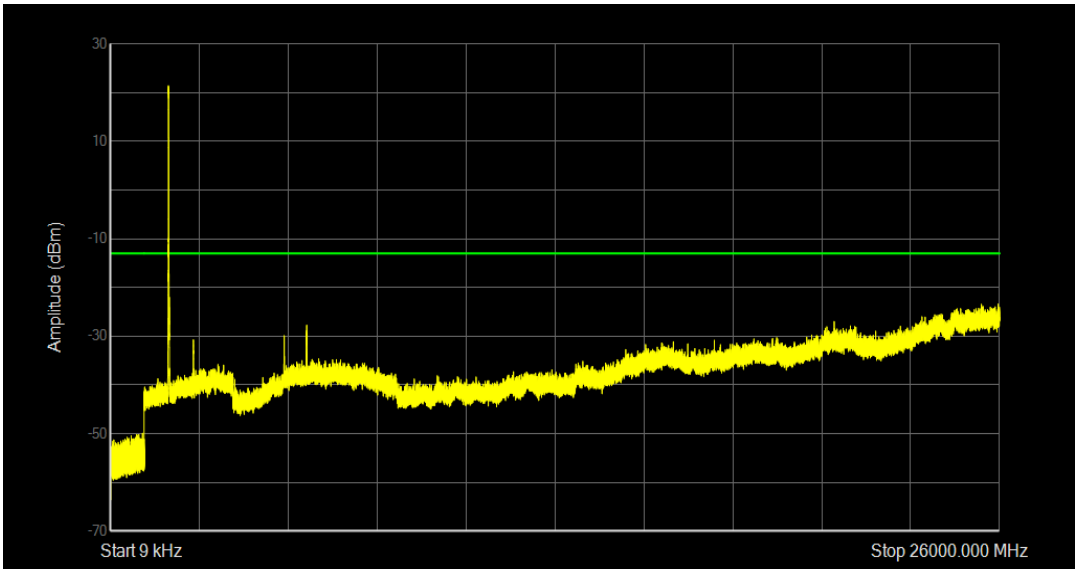
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11690025	-45.9	-13
2	0.15	30	10	6.12074625	-45.51	-13
3	30	1000	100	845.84275	-49.13	-13
4	1000	26000	1000	25518.125	-23.43	-13

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



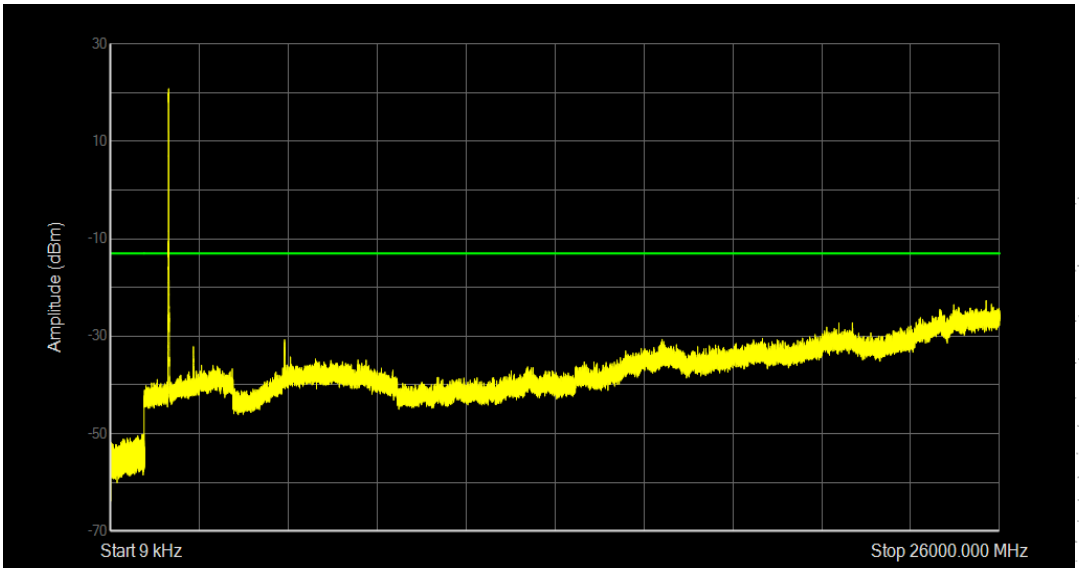
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00941595	-45.32	-13
2	0.15	30	10	6.66252375	-45.83	-13
3	30	1000	100	923.10325	-49.37	-13
4	1000	26000	1000	25974.375	-23.17	-13

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



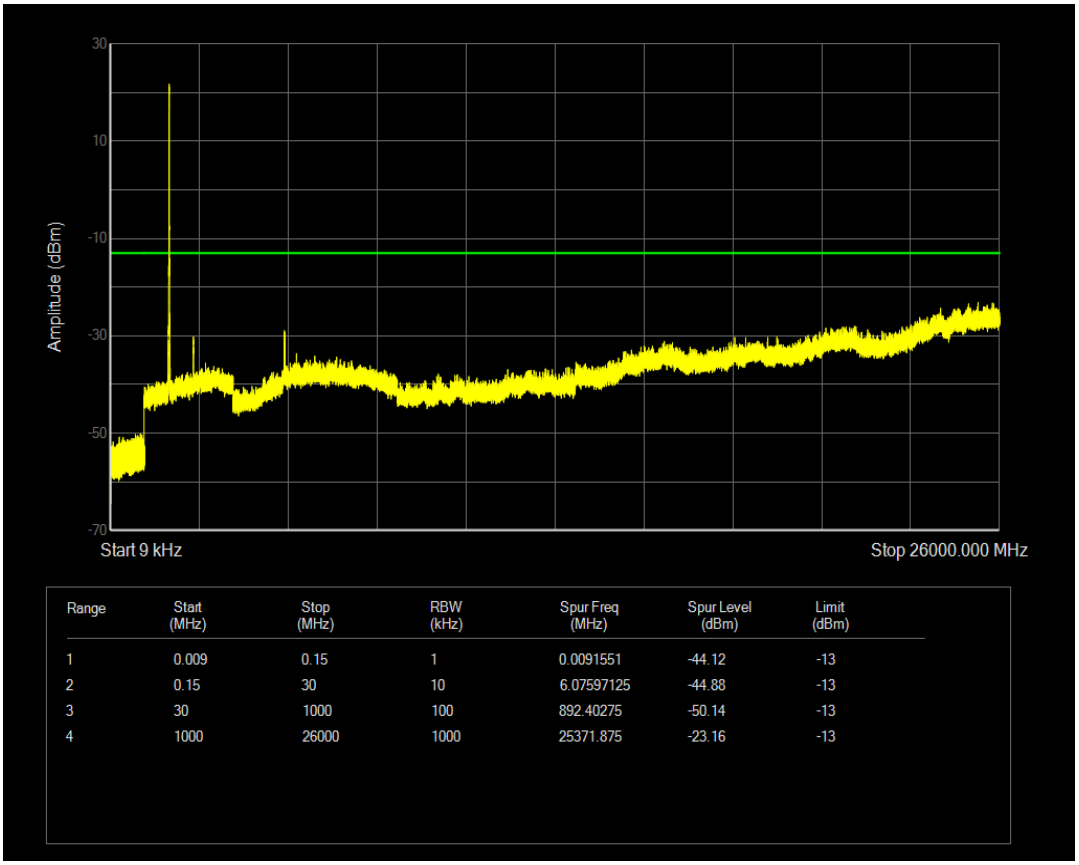
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.118010625	-46.09	-13
2	0.15	30	10	6.12522375	-45.21	-13
3	30	1000	100	953.0035	-49.93	-13
4	1000	26000	1000	25960.625	-23.4	-13

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



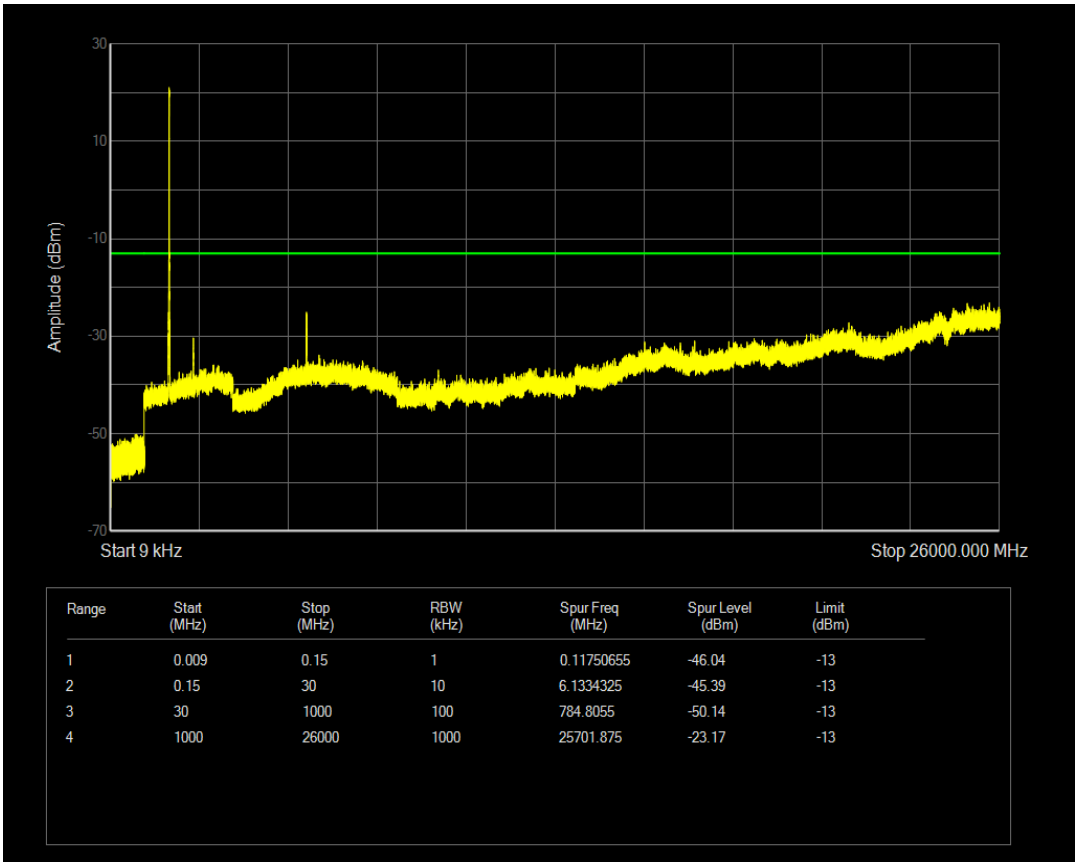
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009282	-46.1	-13
2	0.15	30	10	6.07895625	-44.89	-13
3	30	1000	100	997.1385	-50.08	-13
4	1000	26000	1000	25608.125	-22.67	-13

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



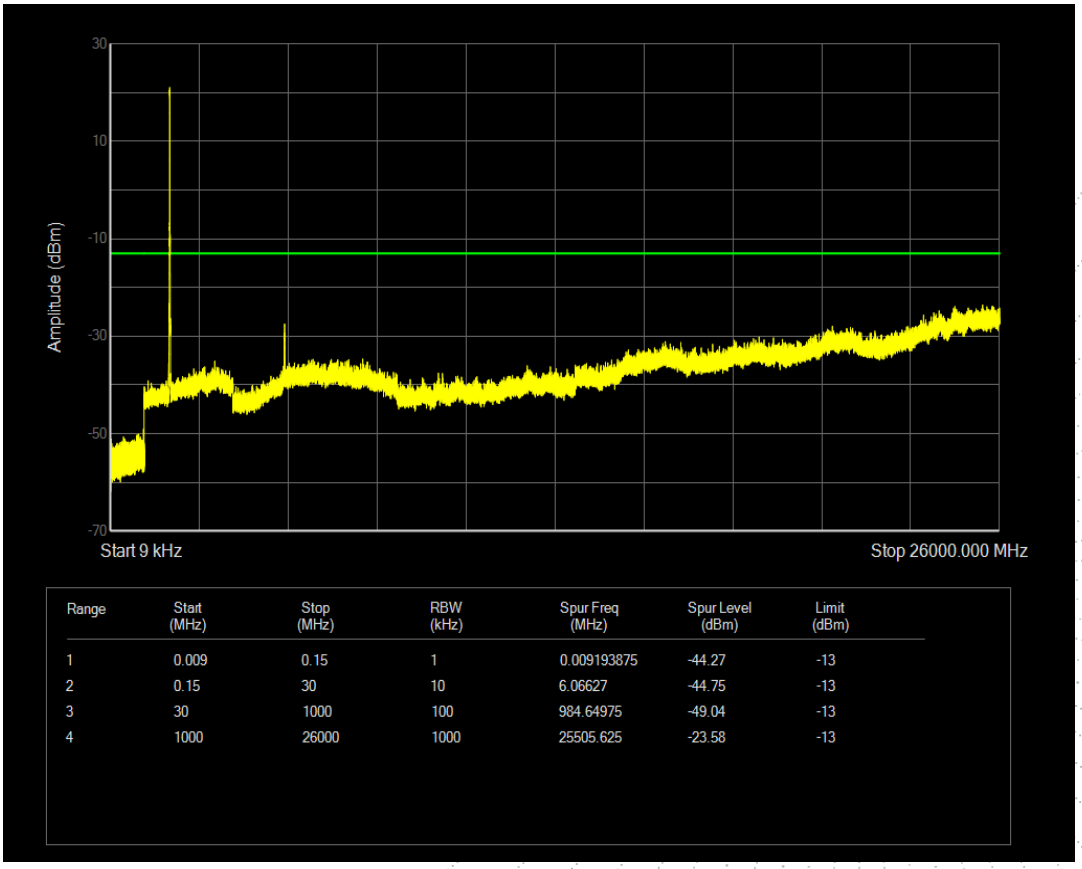
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091551	-44.12	-13
2	0.15	30	10	6.07597125	-44.88	-13
3	30	1000	100	892.40275	-50.14	-13
4	1000	26000	1000	25371.875	-23.16	-13

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



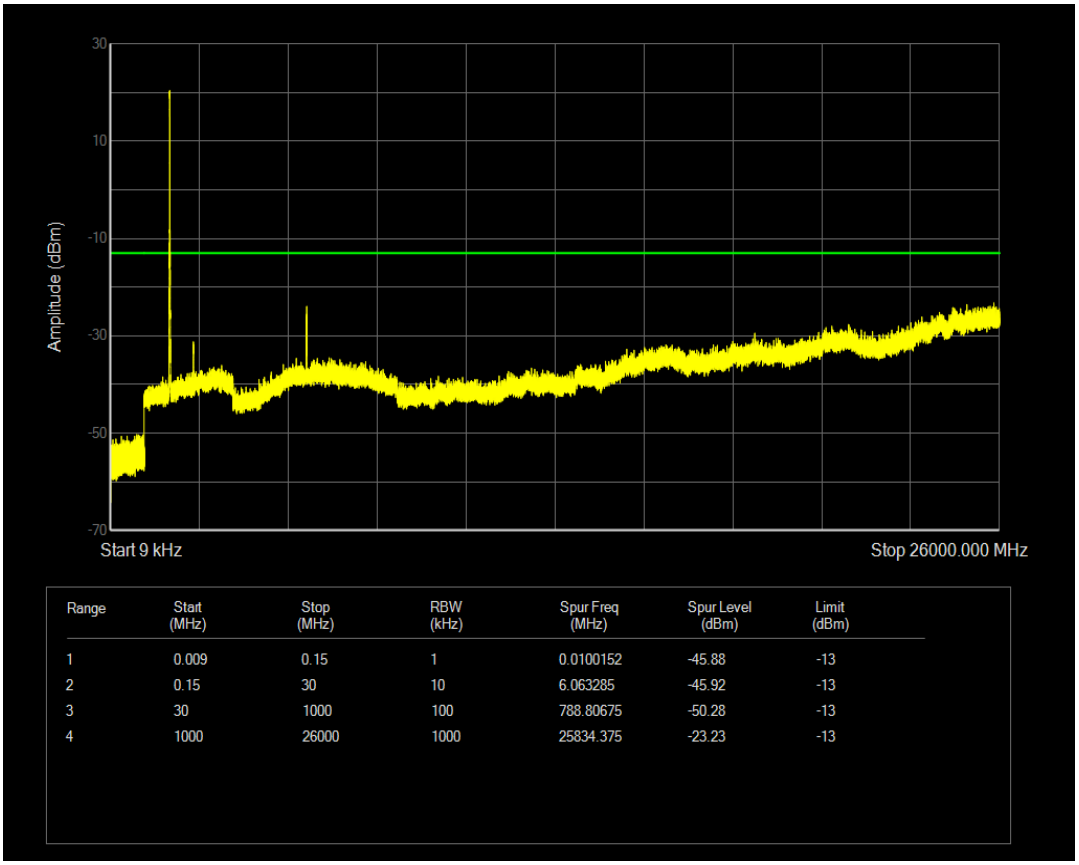
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11750655	-46.04	-13
2	0.15	30	10	6.1334325	-45.39	-13
3	30	1000	100	784.8055	-50.14	-13
4	1000	26000	1000	25701.875	-23.17	-13

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



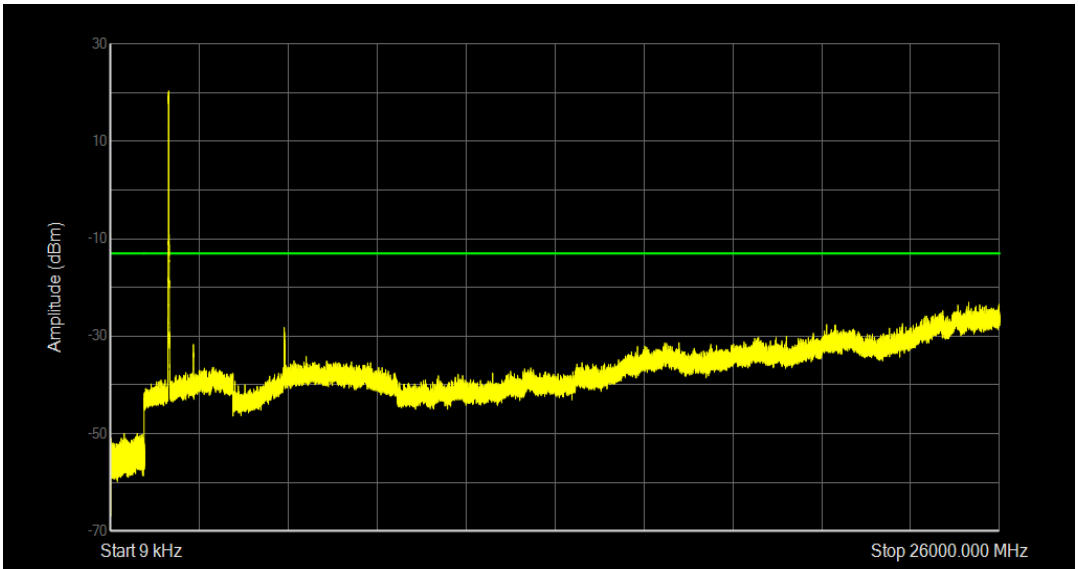
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009193875	-44.27	-13
2	0.15	30	10	6.06627	-44.75	-13
3	30	1000	100	984.64975	-49.04	-13
4	1000	26000	1000	25505.625	-23.58	-13

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



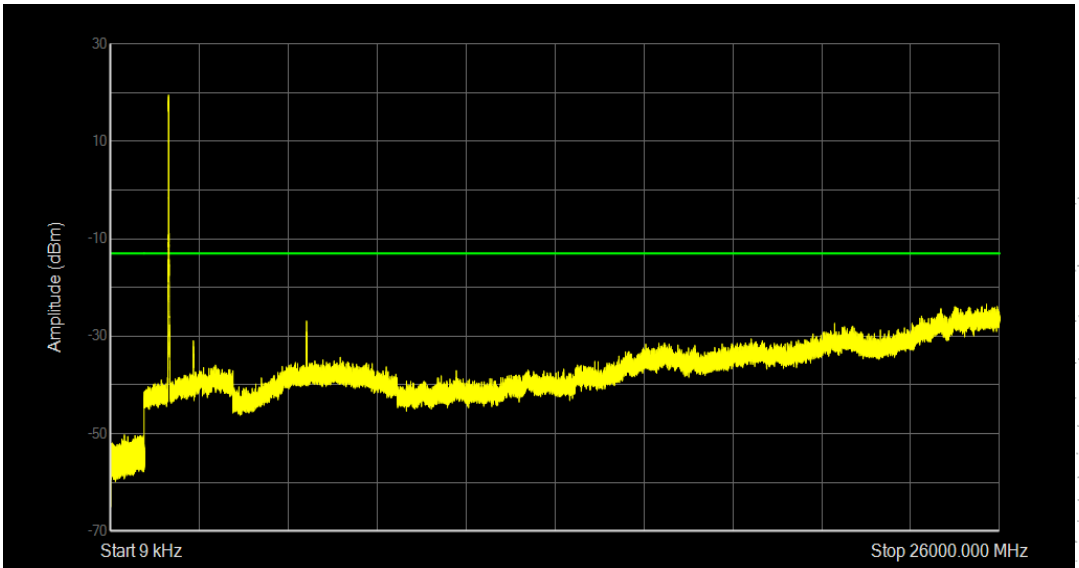
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0100152	-45.88	-13
2	0.15	30	10	6.063285	-45.92	-13
3	30	1000	100	788.80675	-50.28	-13
4	1000	26000	1000	25834.375	-23.23	-13

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



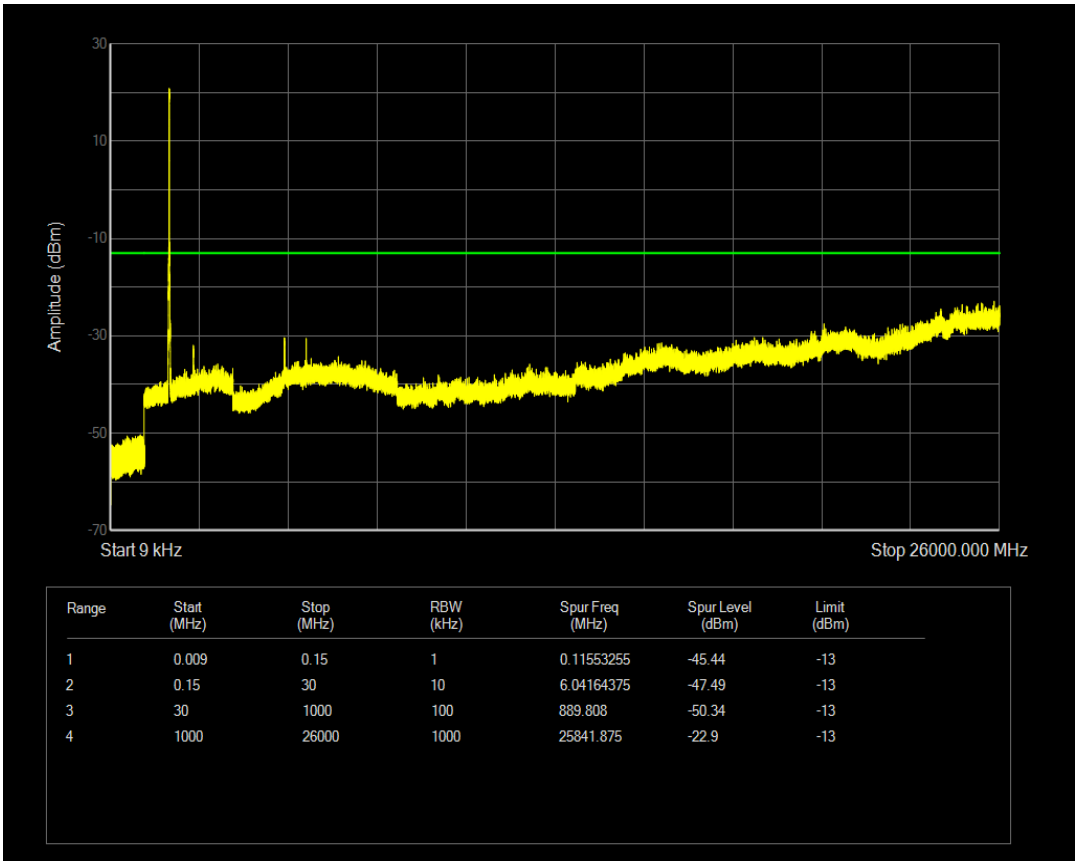
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.116551275	-45.75	-13
2	0.15	30	10	6.13417875	-46.73	-13
3	30	1000	100	420.5705	-50	-13
4	1000	26000	1000	25097.5	-23.03	-13

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



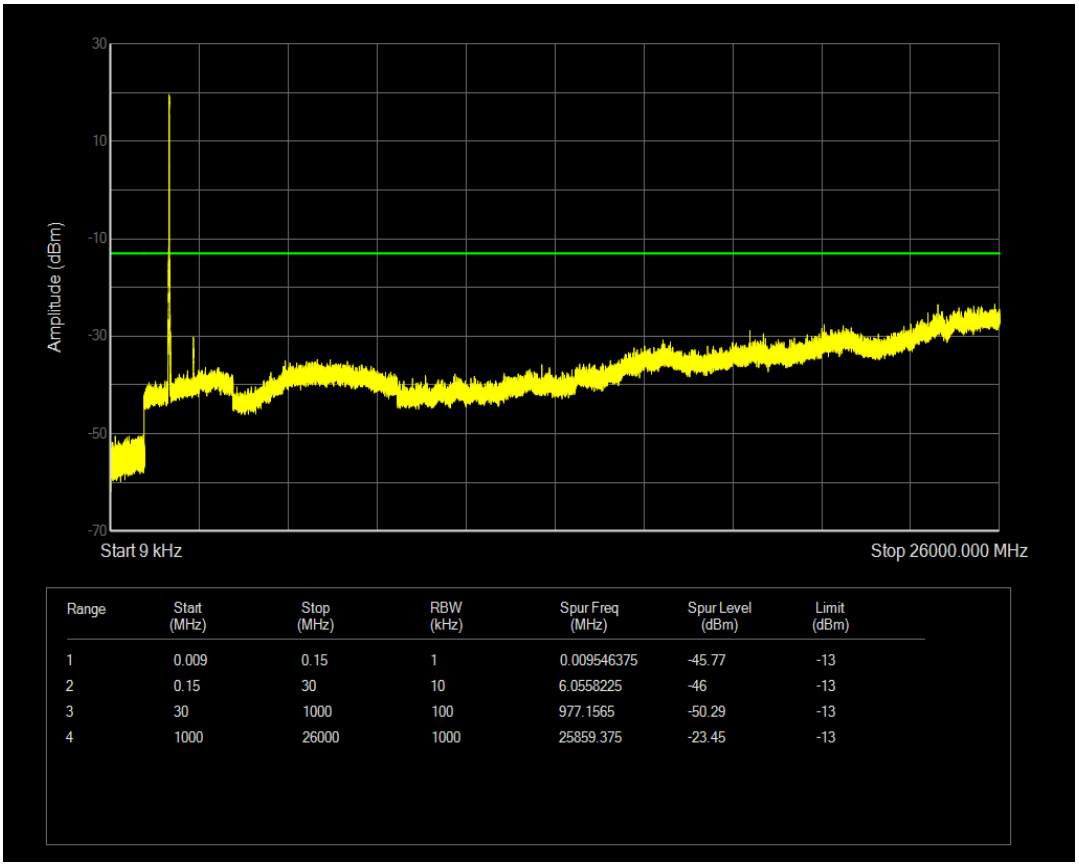
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11632215	-46.03	-13
2	0.15	30	10	6.1394025	-45.86	-13
3	30	1000	100	424.76575	-50.26	-13
4	1000	26000	1000	25619.375	-23.44	-13

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



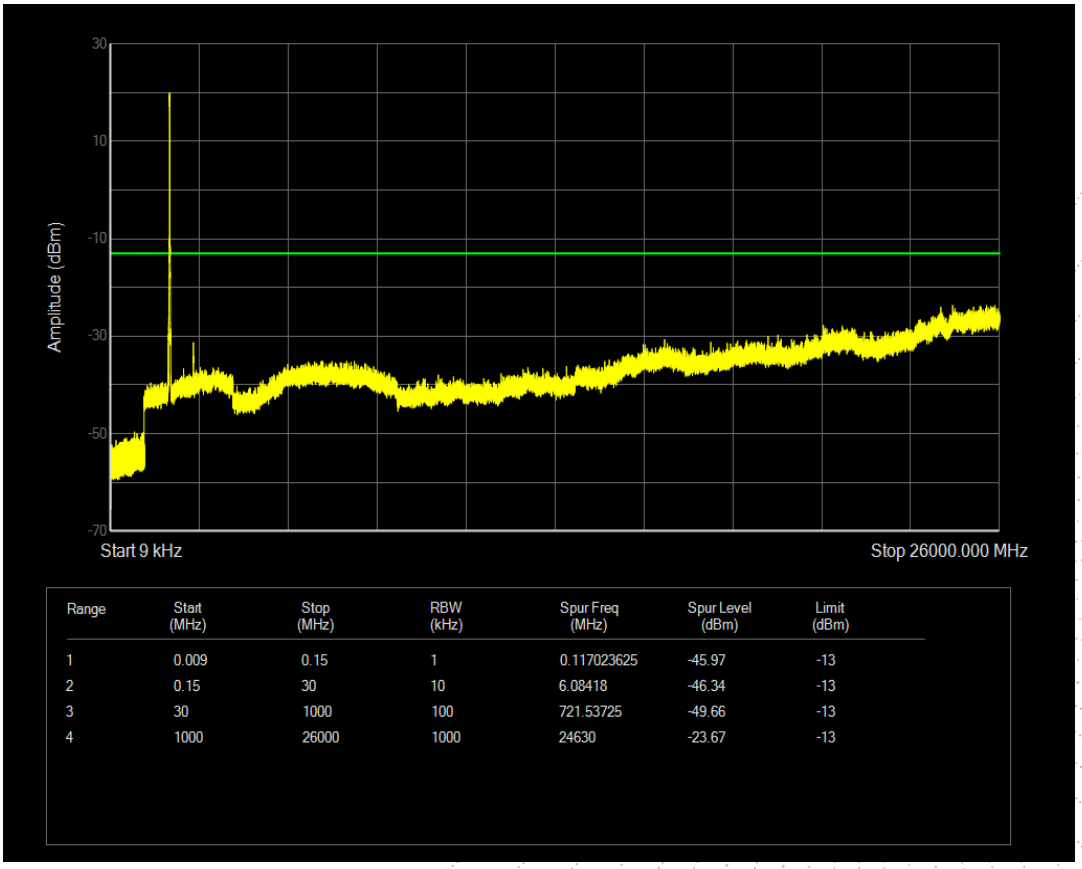
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11553255	-45.44	-13
2	0.15	30	10	6.04164375	-47.49	-13
3	30	1000	100	889.808	-50.34	-13
4	1000	26000	1000	25841.875	-22.9	-13

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



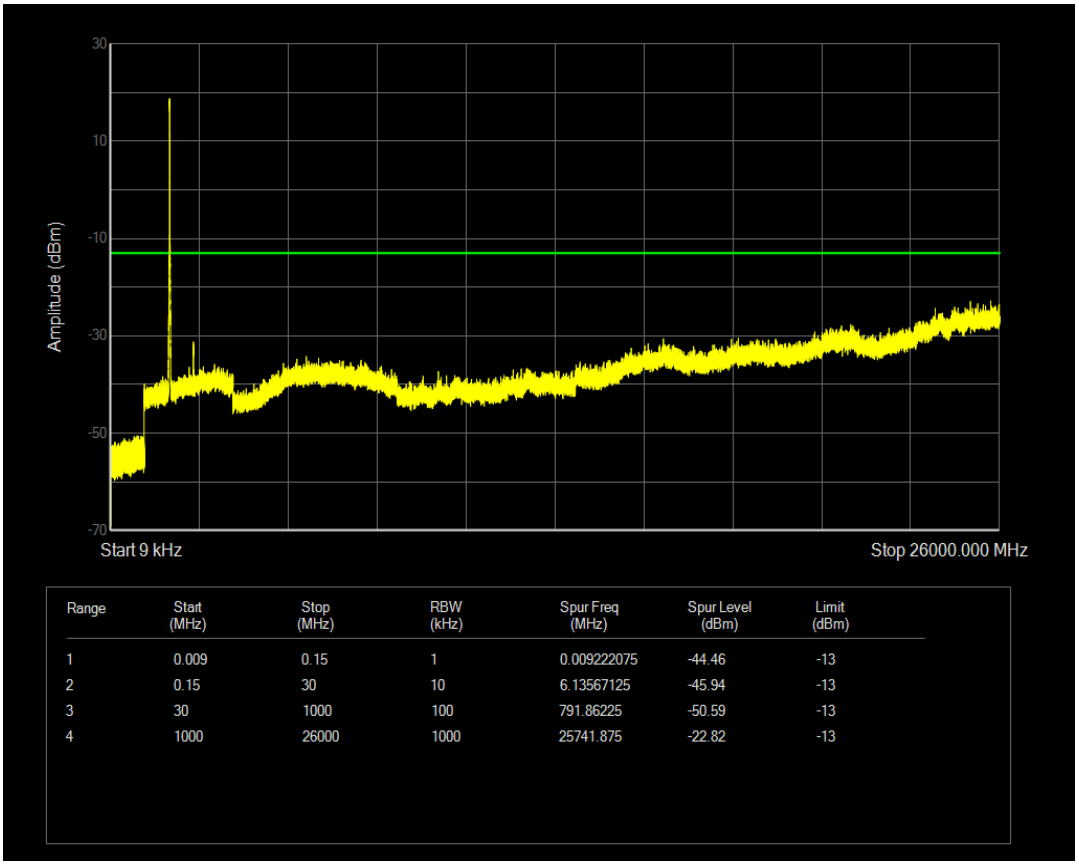
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009546375	-45.77	-13
2	0.15	30	10	6.0558225	-46	-13
3	30	1000	100	977.1565	-50.29	-13
4	1000	26000	1000	25859.375	-23.45	-13

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



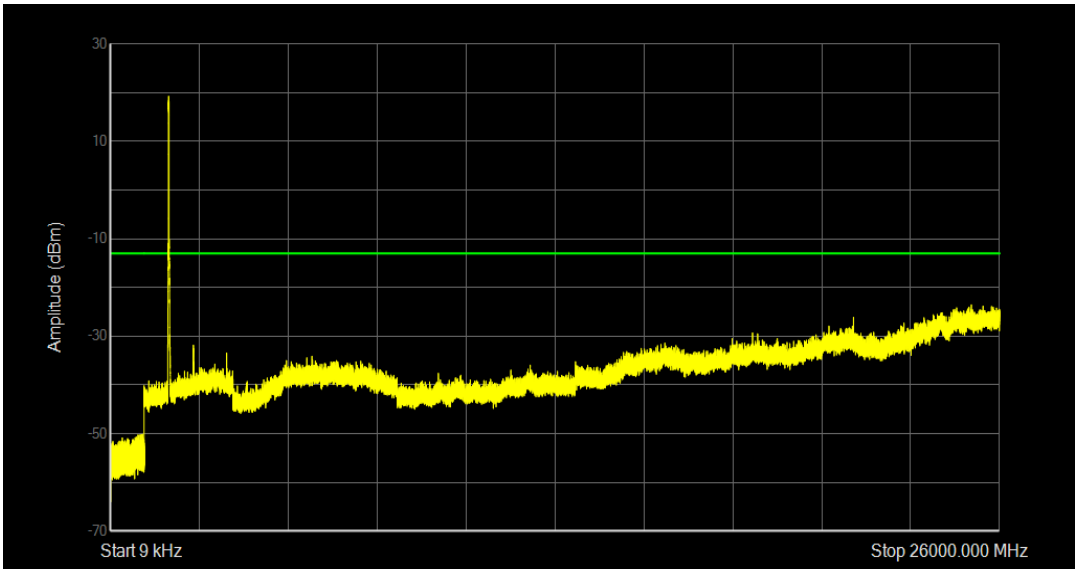
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.117023625	-45.97	-13
2	0.15	30	10	6.08418	-46.34	-13
3	30	1000	100	721.53725	-49.66	-13
4	1000	26000	1000	24630	-23.67	-13

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



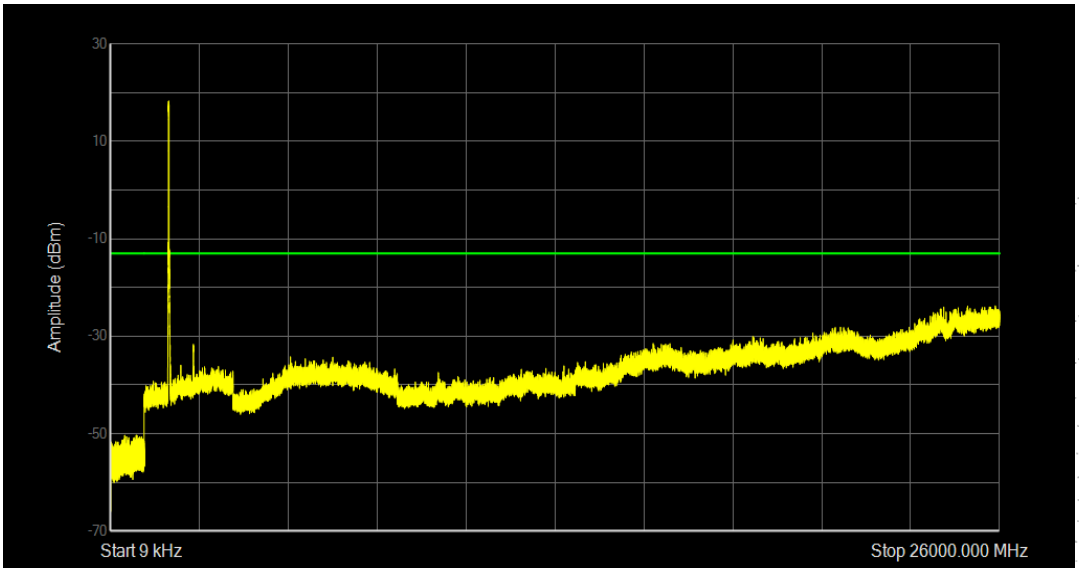
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009222075	-44.46	-13
2	0.15	30	10	6.13567125	-45.94	-13
3	30	1000	100	791.86225	-50.59	-13
4	1000	26000	1000	25741.875	-22.82	-13

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



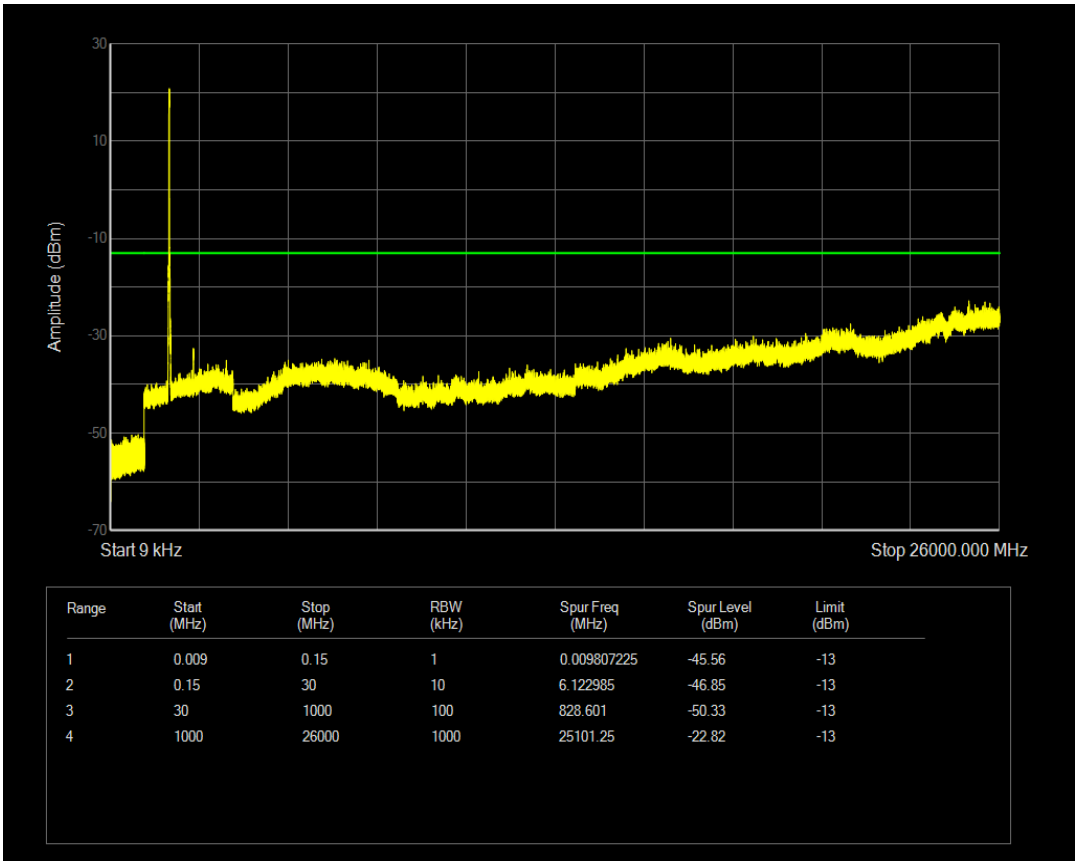
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093807	-45.73	-13
2	0.15	30	10	6.12671625	-45.97	-13
3	30	1000	100	954.48275	-50.14	-13
4	1000	26000	1000	25175	-23.55	-13

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



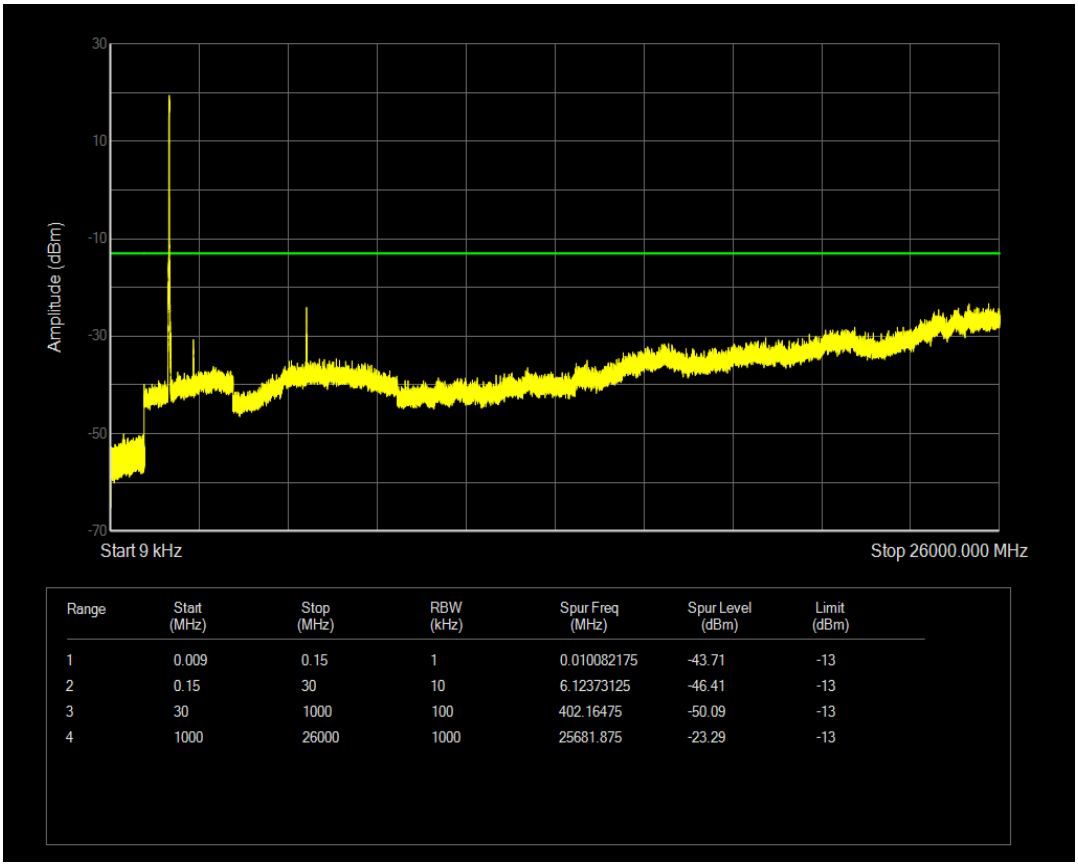
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.75	-13
2	0.15	30	10	6.06403125	-46.39	-13
3	30	1000	100	772.0985	-50.32	-13
4	1000	26000	1000	25875.625	-23.78	-13

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



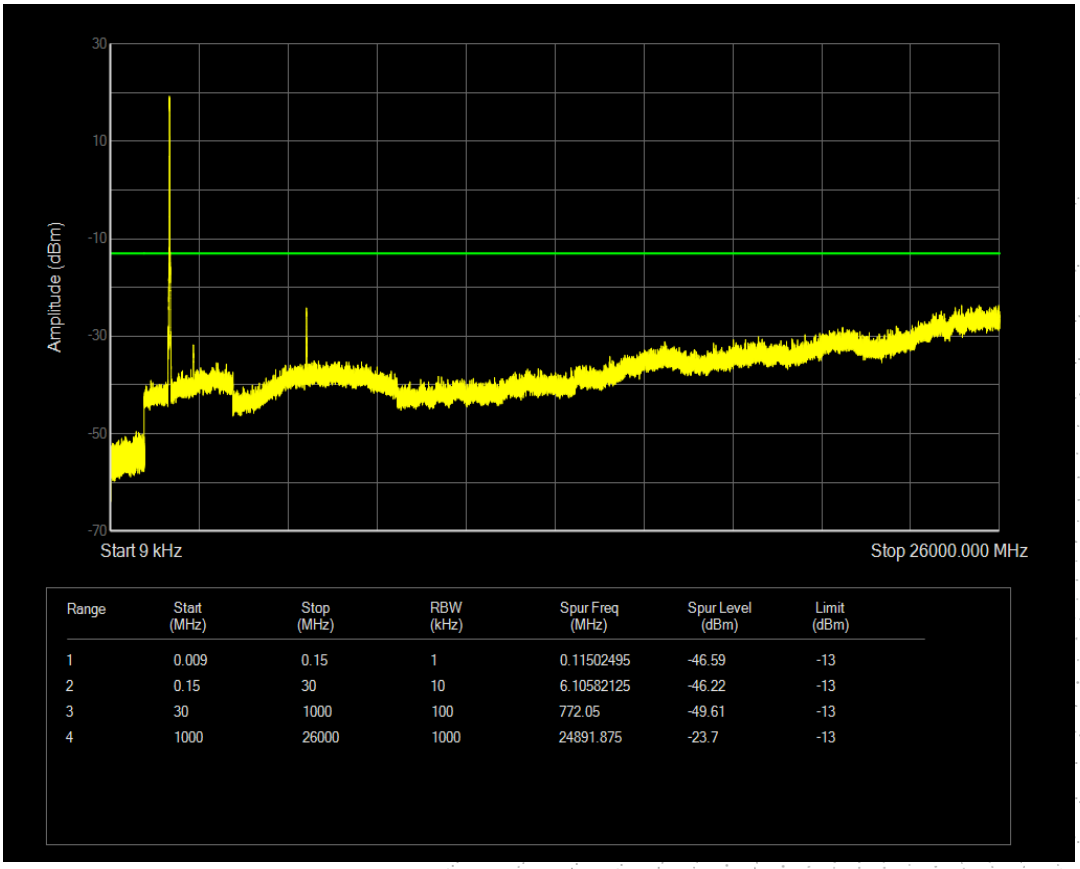
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009807225	-45.56	-13
2	0.15	30	10	6.122985	-46.85	-13
3	30	1000	100	828.601	-50.33	-13
4	1000	26000	1000	25101.25	-22.82	-13

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



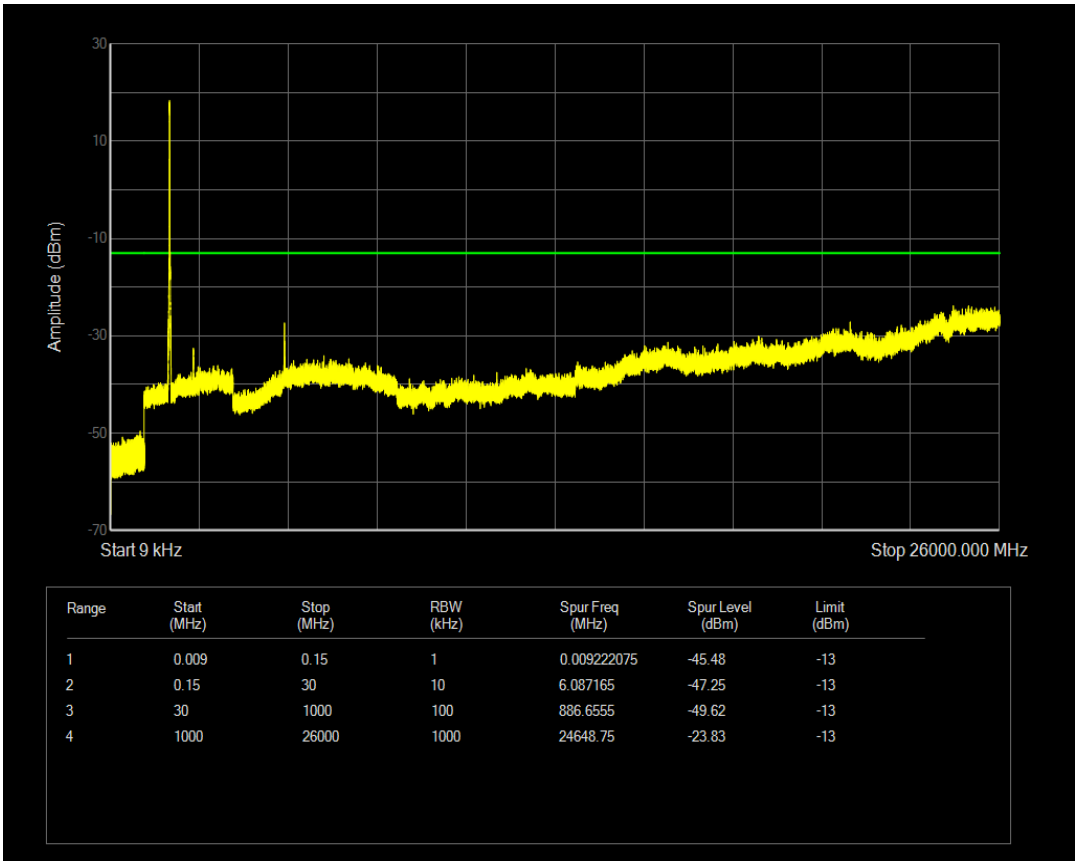
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010082175	-43.71	-13
2	0.15	30	10	6.12373125	-46.41	-13
3	30	1000	100	402.16475	-50.09	-13
4	1000	26000	1000	25681.875	-23.29	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11502495	-46.59	-13
2	0.15	30	10	6.10582125	-46.22	-13
3	30	1000	100	772.05	-49.61	-13
4	1000	26000	1000	24891.875	-23.7	-13

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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009222075	-45.48	-13
2	0.15	30	10	6.087165	-47.25	-13
3	30	1000	100	886.6555	-49.62	-13
4	1000	26000	1000	24648.75	-23.83	-13

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