

Appendix for Band 4

Report No.: BCTC2507146454-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

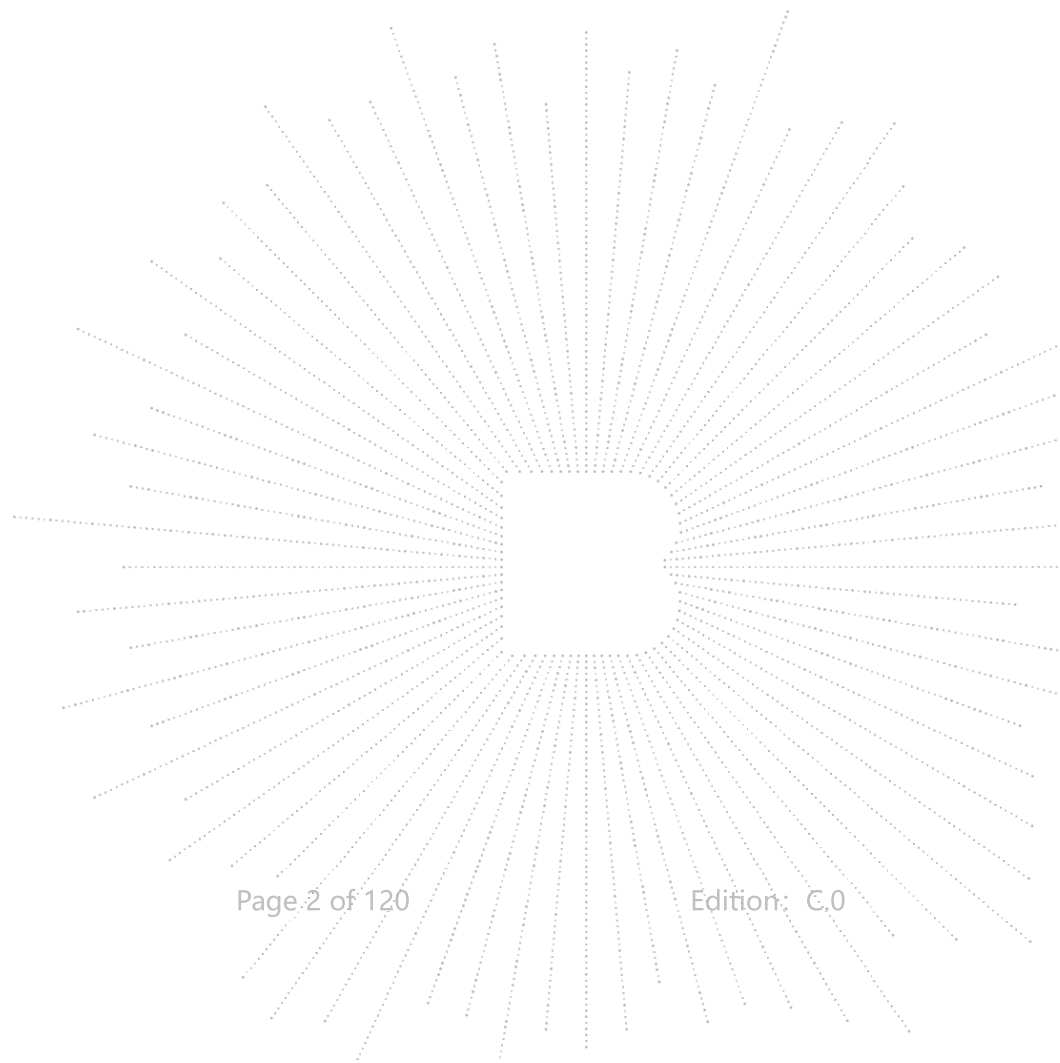
Test Model: C5

Tested Date: 2025-06-10 to 2025-07-08

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	28
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	23.46	0.94	24.40	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	23.47	0.94	24.41	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	23.45	0.94	24.39	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	23.33	0.94	24.27	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	23.40	0.94	24.34	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	23.38	0.94	24.32	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	22.88	0.94	23.82	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	23.94	0.94	24.88	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	23.93	0.94	24.87	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	23.95	0.94	24.89	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	22.63	0.94	23.57	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	22.66	0.94	23.60	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	22.63	0.94	23.57	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	21.52	0.94	22.46	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	22.89	0.94	23.83	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	22.87	0.94	23.81	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	22.88	0.94	23.82	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	22.96	0.94	23.90	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	23.04	0.94	23.98	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	23.00	0.94	23.94	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	22.47	0.94	23.41	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	23.17	0.94	24.11	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	23.20	0.94	24.14	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	23.18	0.94	24.12	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	22.14	0.94	23.08	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	22.12	0.94	23.06	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	22.14	0.94	23.08	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	20.91	0.94	21.85	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	23.27	0.94	24.21	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	23.32	0.94	24.26	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	23.23	0.94	24.17	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	22.91	0.94	23.85	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	22.96	0.94	23.90	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	22.89	0.94	23.83	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	22.56	0.94	23.50	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	23.06	0.94	24.00	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	22.99	0.94	23.93	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	23.00	0.94	23.94	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	22.45	0.94	23.39	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	22.39	0.94	23.33	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	22.33	0.94	23.27	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	21.13	0.94	22.07	PASS
NVNT	Band4	3	19965	1	#0	QPSK	23.28	0.94	24.22	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	23.26	0.94	24.20	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	23.17	0.94	24.11	PASS
NVNT	Band4	3	19965	8	#0	QPSK	22.89	0.94	23.83	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	22.84	0.94	23.78	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	22.86	0.94	23.80	PASS
NVNT	Band4	3	19965	15	#0	QPSK	22.80	0.94	23.74	PASS
NVNT	Band4	3	19965	1	#0	16QAM	24.04	0.94	24.98	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	24.02	0.94	24.96	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	23.94	0.94	24.88	PASS
NVNT	Band4	3	19965	8	#0	16QAM	21.37	0.94	22.31	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	21.36	0.94	22.30	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	21.26	0.94	22.20	PASS
NVNT	Band4	3	19965	15	#0	16QAM	21.58	0.94	22.52	PASS
NVNT	Band4	3	20175	1	#0	QPSK	22.89	0.94	23.83	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	22.87	0.94	23.81	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	22.90	0.94	23.84	PASS
NVNT	Band4	3	20175	8	#0	QPSK	22.53	0.94	23.47	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	22.52	0.94	23.46	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	22.54	0.94	23.48	PASS
NVNT	Band4	3	20175	15	#0	QPSK	22.50	0.94	23.44	PASS
NVNT	Band4	3	20175	1	#0	16QAM	23.16	0.94	24.10	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	23.20	0.94	24.14	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	23.18	0.94	24.12	PASS
NVNT	Band4	3	20175	8	#0	16QAM	21.35	0.94	22.29	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	21.28	0.94	22.22	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	21.31	0.94	22.25	PASS
NVNT	Band4	3	20175	15	#0	16QAM	21.04	0.94	21.98	PASS
NVNT	Band4	3	20385	1	#0	QPSK	23.29	0.94	24.23	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	23.36	0.94	24.30	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	23.24	0.94	24.18	PASS
NVNT	Band4	3	20385	8	#0	QPSK	22.45	0.94	23.39	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	22.48	0.94	23.42	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	22.42	0.94	23.36	PASS
NVNT	Band4	3	20385	15	#0	QPSK	22.61	0.94	23.55	PASS

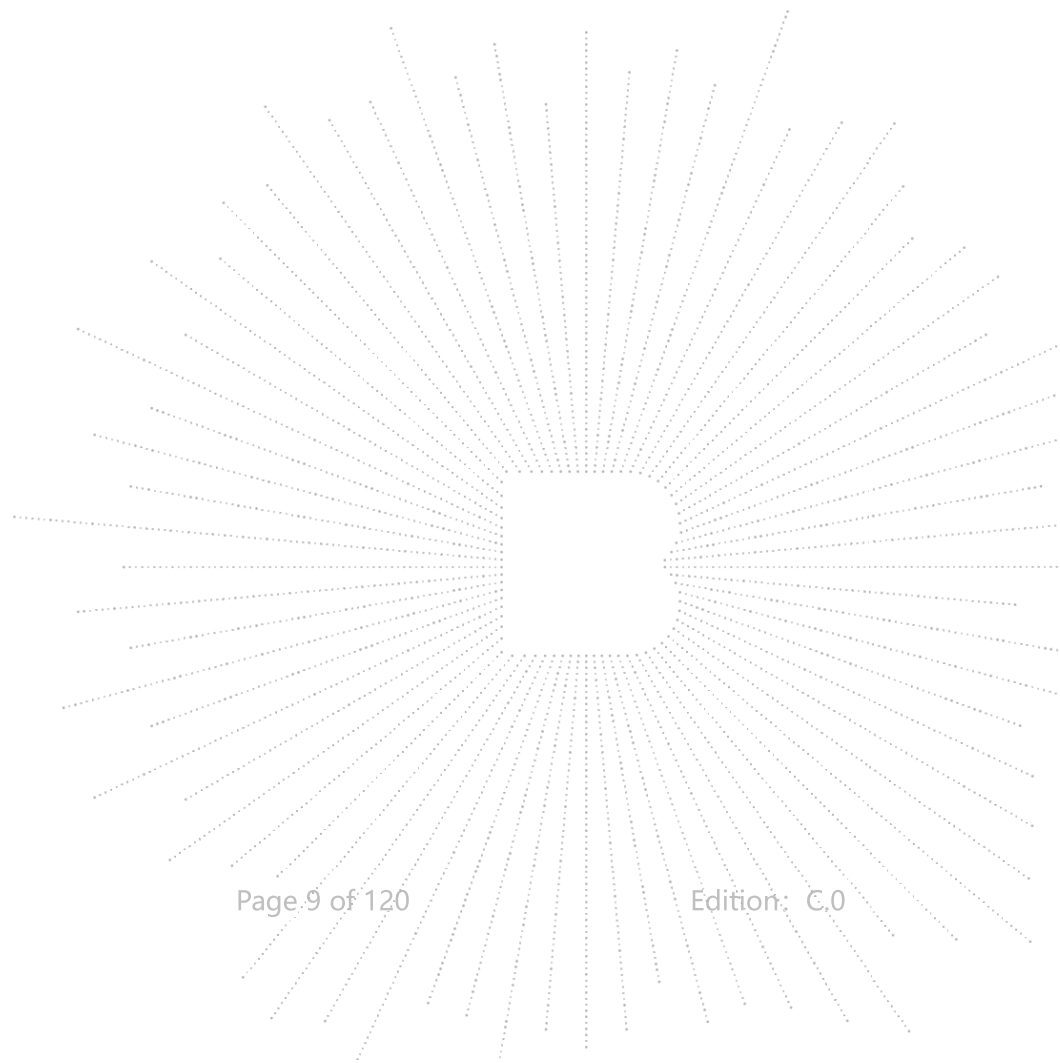
NVNT	Band4	3	20385	1	#0	16QAM	23.09	0.94	24.03	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	23.13	0.94	24.07	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	23.05	0.94	23.99	PASS
NVNT	Band4	3	20385	8	#0	16QAM	21.11	0.94	22.05	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	21.27	0.94	22.21	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	21.13	0.94	22.07	PASS
NVNT	Band4	3	20385	15	#0	16QAM	21.14	0.94	22.08	PASS
NVNT	Band4	5	19975	1	#0	QPSK	23.34	0.94	24.28	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	23.14	0.94	24.08	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	23.18	0.94	24.12	PASS
NVNT	Band4	5	19975	12	#0	QPSK	22.93	0.94	23.87	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	22.83	0.94	23.77	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	22.75	0.94	23.69	PASS
NVNT	Band4	5	19975	25	#0	QPSK	22.70	0.94	23.64	PASS
NVNT	Band4	5	19975	1	#0	16QAM	23.15	0.94	24.09	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	23.04	0.94	23.98	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	22.97	0.94	23.91	PASS
NVNT	Band4	5	19975	12	#0	16QAM	21.39	0.94	22.33	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	21.28	0.94	22.22	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	21.32	0.94	22.26	PASS
NVNT	Band4	5	19975	25	#0	16QAM	21.45	0.94	22.39	PASS
NVNT	Band4	5	20175	1	#0	QPSK	23.03	0.94	23.97	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	23.04	0.94	23.98	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	23.10	0.94	24.04	PASS
NVNT	Band4	5	20175	12	#0	QPSK	22.43	0.94	23.37	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	22.50	0.94	23.44	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	22.47	0.94	23.41	PASS
NVNT	Band4	5	20175	25	#0	QPSK	22.55	0.94	23.49	PASS
NVNT	Band4	5	20175	1	#0	16QAM	22.21	0.94	23.15	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	22.27	0.94	23.21	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	22.31	0.94	23.25	PASS
NVNT	Band4	5	20175	12	#0	16QAM	20.96	0.94	21.90	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	20.90	0.94	21.84	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	20.98	0.94	21.92	PASS
NVNT	Band4	5	20175	25	#0	16QAM	21.13	0.94	22.07	PASS
NVNT	Band4	5	20375	1	#0	QPSK	23.12	0.94	24.06	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	22.95	0.94	23.89	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	22.93	0.94	23.87	PASS
NVNT	Band4	5	20375	12	#0	QPSK	22.64	0.94	23.58	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	22.62	0.94	23.56	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	22.52	0.94	23.46	PASS
NVNT	Band4	5	20375	25	#0	QPSK	22.60	0.94	23.54	PASS

NVNT	Band4	5	20375	1	#0	16QAM	22.74	0.94	23.68	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	22.67	0.94	23.61	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	22.61	0.94	23.55	PASS
NVNT	Band4	5	20375	12	#0	16QAM	21.21	0.94	22.15	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	21.21	0.94	22.15	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	21.17	0.94	22.11	PASS
NVNT	Band4	5	20375	25	#0	16QAM	21.16	0.94	22.10	PASS
NVNT	Band4	10	20000	1	#0	QPSK	23.33	0.94	24.27	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	23.24	0.94	24.18	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	23.03	0.94	23.97	PASS
NVNT	Band4	10	20000	25	#0	QPSK	22.85	0.94	23.79	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	22.69	0.94	23.63	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	22.64	0.94	23.58	PASS
NVNT	Band4	10	20000	50	#0	QPSK	22.85	0.94	23.79	PASS
NVNT	Band4	10	20000	1	#0	16QAM	24.15	0.94	25.09	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	23.95	0.94	24.89	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	23.76	0.94	24.70	PASS
NVNT	Band4	10	20000	25	#0	16QAM	21.34	0.94	22.28	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	21.22	0.94	22.16	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	21.19	0.94	22.13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	21.29	0.94	22.23	PASS
NVNT	Band4	10	20175	1	#0	QPSK	23.10	0.94	24.04	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	23.06	0.94	24.00	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	23.14	0.94	24.08	PASS
NVNT	Band4	10	20175	25	#0	QPSK	22.46	0.94	23.40	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	22.57	0.94	23.51	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	22.52	0.94	23.46	PASS
NVNT	Band4	10	20175	50	#0	QPSK	22.54	0.94	23.48	PASS
NVNT	Band4	10	20175	1	#0	16QAM	22.55	0.94	23.49	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	22.61	0.94	23.55	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	22.73	0.94	23.67	PASS
NVNT	Band4	10	20175	25	#0	16QAM	21.14	0.94	22.08	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	21.08	0.94	22.02	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	21.20	0.94	22.14	PASS
NVNT	Band4	10	20175	50	#0	16QAM	21.19	0.94	22.13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	23.27	0.94	24.21	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	23.25	0.94	24.19	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	23.10	0.94	24.04	PASS
NVNT	Band4	10	20350	25	#0	QPSK	22.67	0.94	23.61	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	22.72	0.94	23.66	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	22.69	0.94	23.63	PASS
NVNT	Band4	10	20350	50	#0	QPSK	22.62	0.94	23.56	PASS

NVNT	Band4	10	20350	1	#0	16QAM	22.96	0.94	23.90	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	22.89	0.94	23.83	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	22.73	0.94	23.67	PASS
NVNT	Band4	10	20350	25	#0	16QAM	21.40	0.94	22.34	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	21.26	0.94	22.20	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	21.19	0.94	22.13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	21.22	0.94	22.16	PASS
NVNT	Band4	15	20025	1	#0	QPSK	23.30	0.94	24.24	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	23.06	0.94	24.00	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	22.94	0.94	23.88	PASS
NVNT	Band4	15	20025	36	#0	QPSK	22.79	0.94	23.73	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	22.61	0.94	23.55	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	22.51	0.94	23.45	PASS
NVNT	Band4	15	20025	75	#0	QPSK	22.72	0.94	23.66	PASS
NVNT	Band4	15	20025	1	#0	16QAM	24.12	0.94	25.06	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	23.82	0.94	24.76	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	23.74	0.94	24.68	PASS
NVNT	Band4	15	20025	36	#0	16QAM	21.31	0.94	22.25	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	21.22	0.94	22.16	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	21.09	0.94	22.03	PASS
NVNT	Band4	15	20025	75	#0	16QAM	21.29	0.94	22.23	PASS
NVNT	Band4	15	20175	1	#0	QPSK	23.14	0.94	24.08	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	23.01	0.94	23.95	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	23.22	0.94	24.16	PASS
NVNT	Band4	15	20175	36	#0	QPSK	22.42	0.94	23.36	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	22.57	0.94	23.51	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	22.64	0.94	23.58	PASS
NVNT	Band4	15	20175	75	#0	QPSK	22.50	0.94	23.44	PASS
NVNT	Band4	15	20175	1	#0	16QAM	22.64	0.94	23.58	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	22.65	0.94	23.59	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	22.77	0.94	23.71	PASS
NVNT	Band4	15	20175	36	#0	16QAM	21.26	0.94	22.20	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	21.13	0.94	22.07	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	21.28	0.94	22.22	PASS
NVNT	Band4	15	20175	75	#0	16QAM	21.12	0.94	22.06	PASS
NVNT	Band4	15	20325	1	#0	QPSK	23.28	0.94	24.22	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	23.36	0.94	24.30	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	23.11	0.94	24.05	PASS
NVNT	Band4	15	20325	36	#0	QPSK	22.61	0.94	23.55	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	22.80	0.94	23.74	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	22.68	0.94	23.62	PASS
NVNT	Band4	15	20325	75	#0	QPSK	22.75	0.94	23.69	PASS

NVNT	Band4	15	20325	1	#0	16QAM	23.58	0.94	24.52	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	23.63	0.94	24.57	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	23.39	0.94	24.33	PASS
NVNT	Band4	15	20325	36	#0	16QAM	21.32	0.94	22.26	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	21.38	0.94	22.32	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	21.20	0.94	22.14	PASS
NVNT	Band4	15	20325	75	#0	16QAM	21.32	0.94	22.26	PASS
NVNT	Band4	20	20050	1	#0	QPSK	23.36	0.94	24.30	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	23.09	0.94	24.03	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	23.00	0.94	23.94	PASS
NVNT	Band4	20	20050	50	#0	QPSK	22.65	0.94	23.59	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	22.52	0.94	23.46	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	22.54	0.94	23.48	PASS
NVNT	Band4	20	20050	100	#0	QPSK	22.50	0.94	23.44	PASS
NVNT	Band4	20	20050	1	#0	16QAM	22.62	0.94	23.56	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	22.35	0.94	23.29	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	22.29	0.94	23.23	PASS
NVNT	Band4	20	20050	50	#0	16QAM	21.38	0.94	22.32	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	21.27	0.94	22.21	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	21.14	0.94	22.08	PASS
NVNT	Band4	20	20050	100	#0	16QAM	21.17	0.94	22.11	PASS
NVNT	Band4	20	20175	1	#0	QPSK	22.99	0.94	23.93	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	23.05	0.94	23.99	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	23.16	0.94	24.10	PASS
NVNT	Band4	20	20175	50	#0	QPSK	22.46	0.94	23.40	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	22.56	0.94	23.50	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	22.61	0.94	23.55	PASS
NVNT	Band4	20	20175	100	#0	QPSK	22.52	0.94	23.46	PASS
NVNT	Band4	20	20175	1	#0	16QAM	22.69	0.94	23.63	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	22.76	0.94	23.70	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	22.91	0.94	23.85	PASS
NVNT	Band4	20	20175	50	#0	16QAM	21.13	0.94	22.07	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	21.09	0.94	22.03	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	21.20	0.94	22.14	PASS
NVNT	Band4	20	20175	100	#0	16QAM	21.12	0.94	22.06	PASS
NVNT	Band4	20	20300	1	#0	QPSK	23.14	0.94	24.08	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	23.30	0.94	24.24	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	23.13	0.94	24.07	PASS
NVNT	Band4	20	20300	50	#0	QPSK	22.64	0.94	23.58	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	22.75	0.94	23.69	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	22.74	0.94	23.68	PASS
NVNT	Band4	20	20300	100	#0	QPSK	22.56	0.94	23.50	PASS

NVNT	Band4	20	20300	1	#0	16QAM	22.69	0.94	23.63	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	22.75	0.94	23.69	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	22.66	0.94	23.60	PASS
NVNT	Band4	20	20300	50	#0	16QAM	21.20	0.94	22.14	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	21.27	0.94	22.21	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	21.19	0.94	22.13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	21.21	0.94	22.15	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	21.54	0.013	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	36.32	0.021	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-7.05	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	-3.39	-0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	-9.43	-0.006	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	1.14	0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	-13.10	-0.008	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	-22.09	-0.013	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	-30.33	-0.018	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	-43.83	-0.025	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	-1.24	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	-6.82	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	0.31	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	-4.88	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	-9.61	-0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-16.34	-0.009	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-22.22	-0.013	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	-27.27	-0.016	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-14.46	-0.008	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-9.33	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-10.14	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-22.16	-0.013	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-36.11	-0.021	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-11.42	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	-28.95	-0.017	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	-13.55	-0.008	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	-22.17	-0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	-31.47	-0.018	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	-39.73	-0.023	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	-44.07	-0.025	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	-11.96	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-10.34	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	-11.69	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-16.21	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	-18.42	-0.011	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	-26.84	-0.015	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	22.59	0.013	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	8.74	0.005	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	29.11	0.017	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	29.24	0.017	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	18.53	0.011	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	-16.89	-0.010	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	-3.59	-0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	-25.73	-0.015	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	-35.68	-0.021	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	-12.69	-0.007	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	-22.19	-0.013	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	-24.79	-0.014	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-13.80	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	-18.74	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	-29.40	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	-29.40	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	1.76	0.001	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	-2.60	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	15.41	0.009	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	25.84	0.015	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	4.86	0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	7.48	0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	-5.76	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	-10.00	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	-17.80	-0.010	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	-31.61	-0.018	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	-13.25	-0.008	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	-32.33	-0.019	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	-35.26	-0.020	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	-30.77	-0.018	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	-3.76	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	-10.31	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	-20.54	-0.012	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	-32.53	-0.019	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	-6.08	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	-11.04	-0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	21.03	0.012	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	34.02	0.020	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	19.43	0.011	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	-19.01	-0.011	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	-28.72	-0.017	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	-18.45	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	-36.35	-0.021	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	-17.21	-0.010	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	3.16	0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	-14.83	-0.009	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	-14.13	-0.008	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	-1.52	-0.001	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-13.70	-0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-10.56	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	-16.06	-0.009	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	-27.28	-0.016	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	-36.88	-0.021	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	-10.69	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	11.29	0.007	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	28.74	0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	-11.10	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	-28.92	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	-28.22	-0.016	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	-25.48	-0.015	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	7.51	0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	-4.73	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	-16.92	-0.010	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	-13.93	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	-22.16	-0.013	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	-12.90	-0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	8.81	0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	-8.07	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	-9.63	-0.006	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	-0.31	0.000	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	-13.19	-0.008	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	-25.76	-0.015	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	3.09	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	27.44	0.016	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	11.53	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	27.44	0.016	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	20.57	0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	21.30	0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	17.19	0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	-4.46	-0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	-13.93	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	-24.40	-0.014	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	-14.42	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	-19.71	-0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	-1.86	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	1.22	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-4.79	-0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	-11.19	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	-17.44	-0.010	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-12.02	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-13.80	-0.008	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	-5.31	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	-5.02	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	8.35	0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	7.72	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	5.89	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	6.78	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	10.60	0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	14.49	0.008	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	18.60	0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	10.01	0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	1.19	0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-0.87	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	10.29	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	-1.44	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	4.89	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	6.91	0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	3.65	0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	1.02	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	-4.58	-0.003	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	-11.59	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	-6.18	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	-18.47	-0.011	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	-19.98	-0.011	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-25.72	-0.015	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	-29.08	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	-4.41	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	-5.88	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	-12.10	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	-8.07	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	5.52	0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	20.10	0.012	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	26.02	0.015	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	27.05	0.016	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	1.57	0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-4.53	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-0.54	0.000	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	-12.73	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	-26.56	-0.016	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	-34.36	-0.020	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	-9.04	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	-13.22	-0.008	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	-5.11	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	-6.48	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	-5.31	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	-4.65	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-3.96	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-7.38	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-5.79	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	2.99	0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	7.40	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	8.50	0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	7.01	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	6.74	0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	3.30	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	0.69	0.000	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-8.61	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	-7.44	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	-6.08	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	-2.45	-0.001	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	4.63	0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	10.73	0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	6.12	0.003	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	10.51	0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	11.52	0.007	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	9.41	0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	7.50	0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	2.29	0.001	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-6.42	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-16.49	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-24.10	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-25.35	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-31.80	-0.018	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	-34.10	-0.019	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-35.93	-0.020	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	-34.99	-0.020	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	-33.73	-0.019	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	5.04	0.003	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	28.50	0.017	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	10.11	0.006	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	26.54	0.015	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	23.78	0.014	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	18.67	0.011	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	10.07	0.006	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	-4.85	-0.003	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	-18.68	-0.011	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	5.01	0.003	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-9.81	-0.006	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	-12.23	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-17.04	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-24.35	-0.014	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-31.59	-0.018	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-38.81	-0.023	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	-6.14	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	2.03	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	1.02	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	-2.03	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	1.30	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-2.02	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	-3.22	-0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	2.75	0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	5.14	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	6.62	0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	3.91	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	4.55	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	7.31	0.004	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	-2.53	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	-0.47	0.000	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	5.01	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	13.46	0.008	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	-4.31	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	1.09	0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	0.34	0.000	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-13.76	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-17.61	-0.010	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	6.21	0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-4.62	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-16.55	-0.009	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-21.21	-0.012	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-14.03	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	-11.63	-0.007	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-3.81	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	4.62	0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	12.26	0.007	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	13.40	0.008	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	16.38	0.009	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	18.53	0.011	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	27.02	0.016	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	1.54	0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-0.30	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-11.43	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-30.28	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-0.41	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-22.40	-0.013	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-12.76	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-15.66	-0.009	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	-20.40	-0.012	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	-26.87	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-19.28	-0.011	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	-11.97	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	-13.07	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	-15.46	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	1.26	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	0.59	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	2.00	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	1.46	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	0.26	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	-0.43	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	3.63	0.002	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-2.09	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-5.52	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	-2.17	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	3.53	0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	-0.19	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	10.99	0.006	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	19.90	0.011	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	26.98	0.016	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	17.97	0.010	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	6.90	0.004	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	10.27	0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	7.65	0.004	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	2.60	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-5.14	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	-11.60	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-15.88	-0.009	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	-32.66	-0.019	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-34.90	-0.020	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	0.66	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	0.43	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	4.72	0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	5.12	0.003	PASS

	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	14.83	0.008	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	23.40	0.013	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	11.13	0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	9.90	0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	23.46	0.014	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	30.84	0.018	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	12.22	0.007	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-16.16	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-13.93	-0.008	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-30.94	-0.018	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	-17.81	-0.010	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	-8.51	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	-16.18	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	-24.45	-0.014	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	-10.70	-0.006	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	-1.29	-0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	0.80	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	5.94	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	9.76	0.006	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	10.71	0.006	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	19.24	0.011	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	12.26	0.007	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	0.31	0.000	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	-5.21	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	-3.22	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	1.53	0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	-2.69	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	-5.92	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	-7.31	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	3.82	0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	10.01	0.006	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	17.98	0.010	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	30.33	0.018	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	32.34	0.019	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	24.33	0.014	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	2.36	0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-2.73	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	5.06	0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-4.48	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	-18.22	-0.010	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-39.97	-0.023	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	-35.82	-0.020	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-37.44	-0.021	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-11.39	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-7.91	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-0.06	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	9.28	0.005	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	3.16	0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	-0.26	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	-4.53	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	-1.23	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	24.38	0.014	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	18.81	0.011	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-8.28	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-21.24	-0.012	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-33.97	-0.020	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-32.09	-0.019	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-10.51	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-20.74	-0.012	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-7.85	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-2.86	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	13.75	0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	15.76	0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	8.30	0.005	PASS

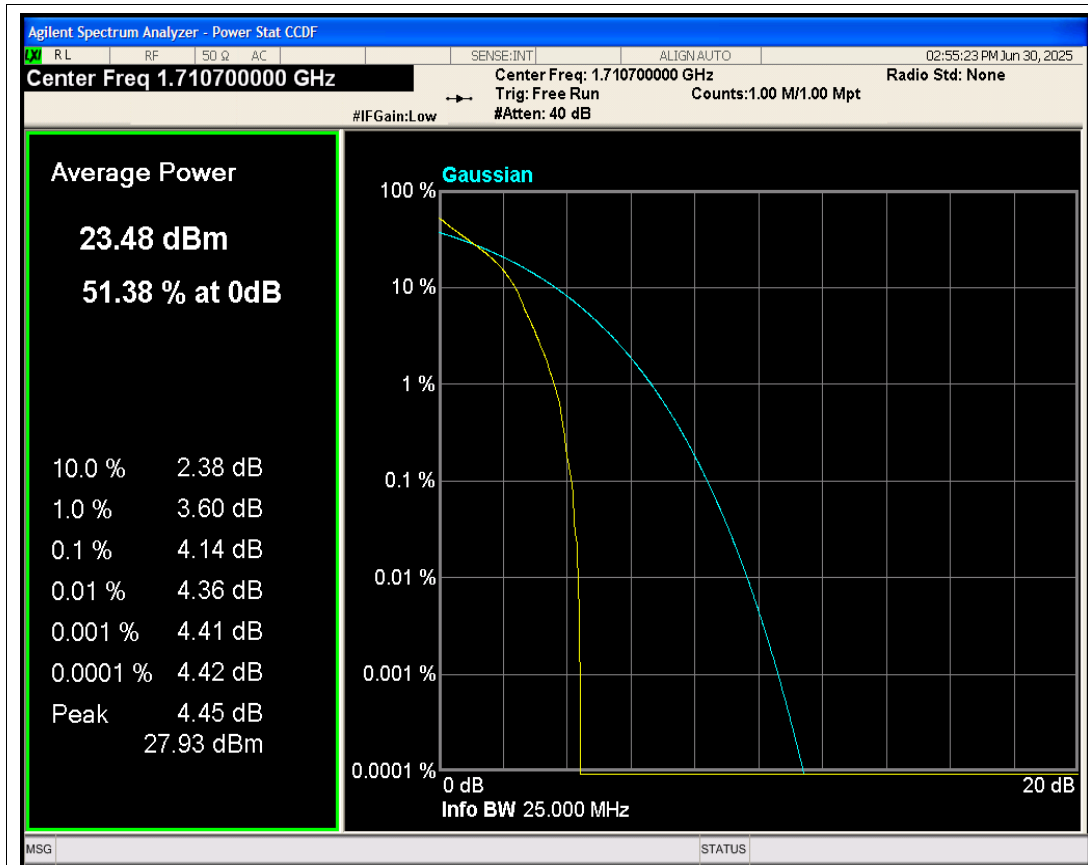
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	13.23	0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	15.02	0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	14.62	0.009	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	-9.63	-0.006	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	-20.10	-0.012	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	5.48	0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	-5.98	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	-15.98	-0.009	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-12.72	-0.007	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-23.57	-0.014	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	-16.05	-0.009	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	-6.64	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	-1.63	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	5.81	0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	14.89	0.009	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	20.66	0.012	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	12.73	0.007	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	13.19	0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	27.37	0.016	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	6.08	0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	-3.40	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	-8.13	-0.005	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-6.71	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-5.35	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-17.31	-0.010	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	-31.54	-0.018	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-25.85	-0.015	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	3.72	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	-3.79	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	1.73	0.001	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	11.63	0.007	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	22.30	0.013	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	20.63	0.012	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	7.52	0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	11.26	0.006	PASS

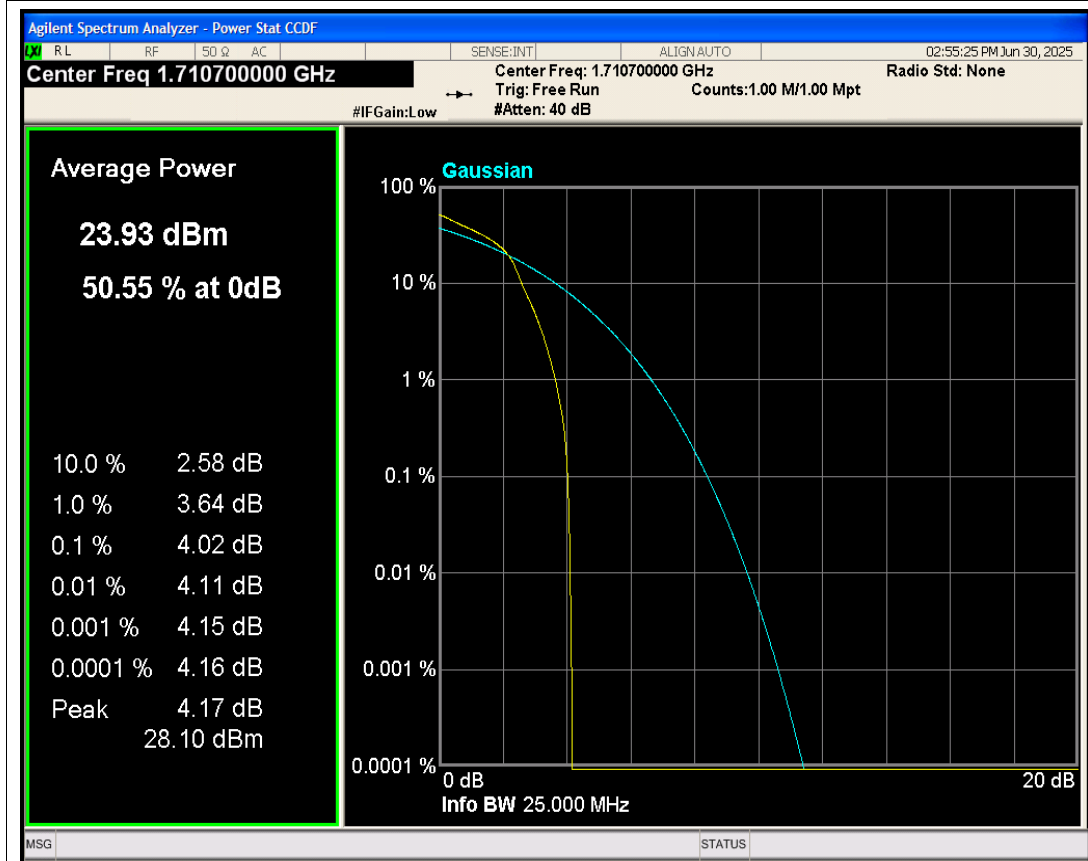
Appendix 3. Peak-to-Average Ratio

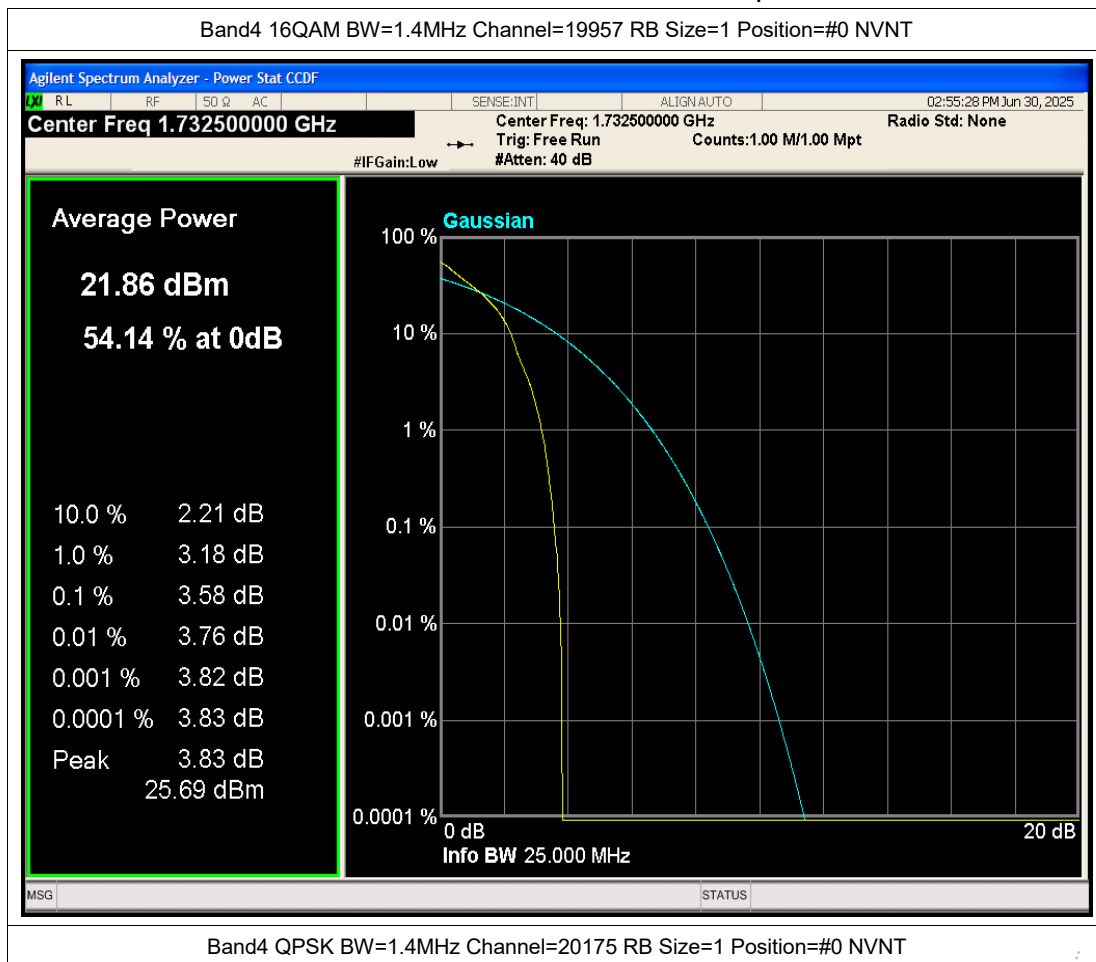
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	4.14	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	4.02	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	3.58	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	3.76	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	4.21	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	4.82	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	4.03	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	4.63	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	3.67	13	PASS

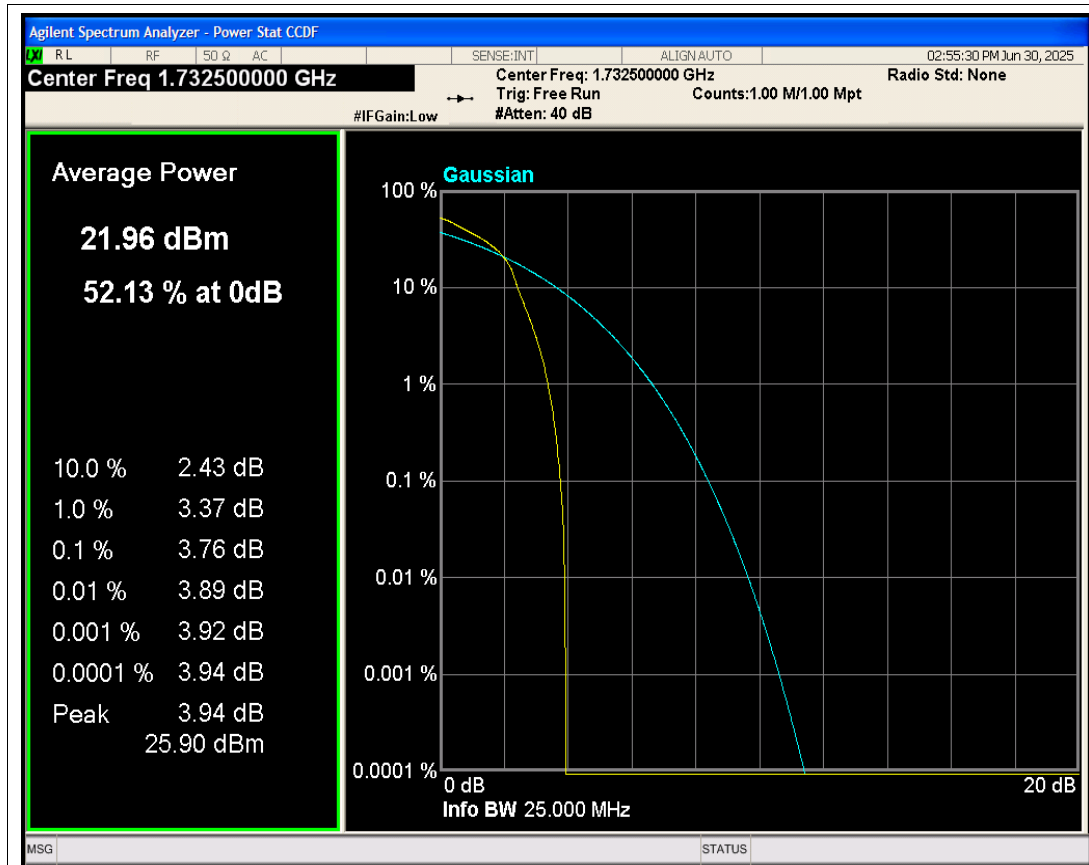
NVNT	Band4	3	20175	1	#0	16QAM	3.91	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	3.94	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	4.64	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	4.21	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	4.87	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	3.79	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	4.27	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	4.05	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	4.66	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	4.08	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	4.61	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	4.29	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	5.00	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	3.80	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	4.56	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	4.02	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	4.70	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	4.87	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	5.74	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	3.71	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	4.10	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	3.85	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	4.42	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	5.28	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	5.75	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	3.11	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	3.43	13	PASS



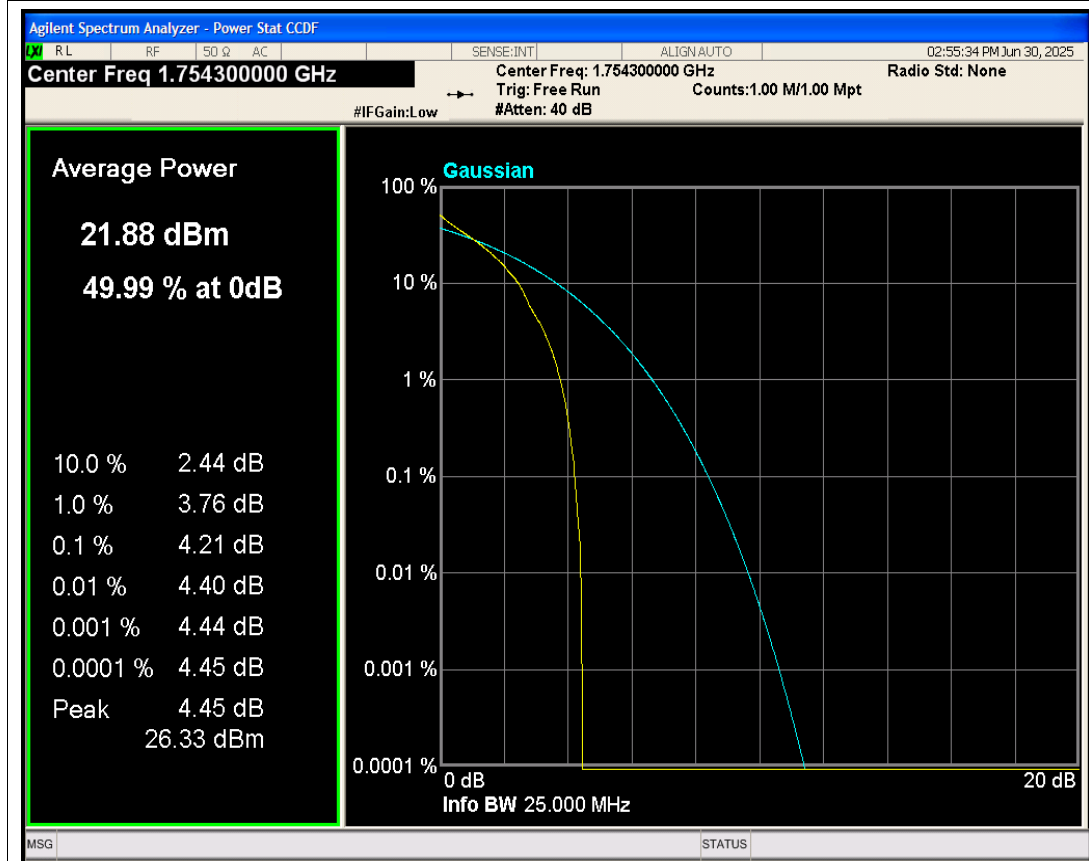
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

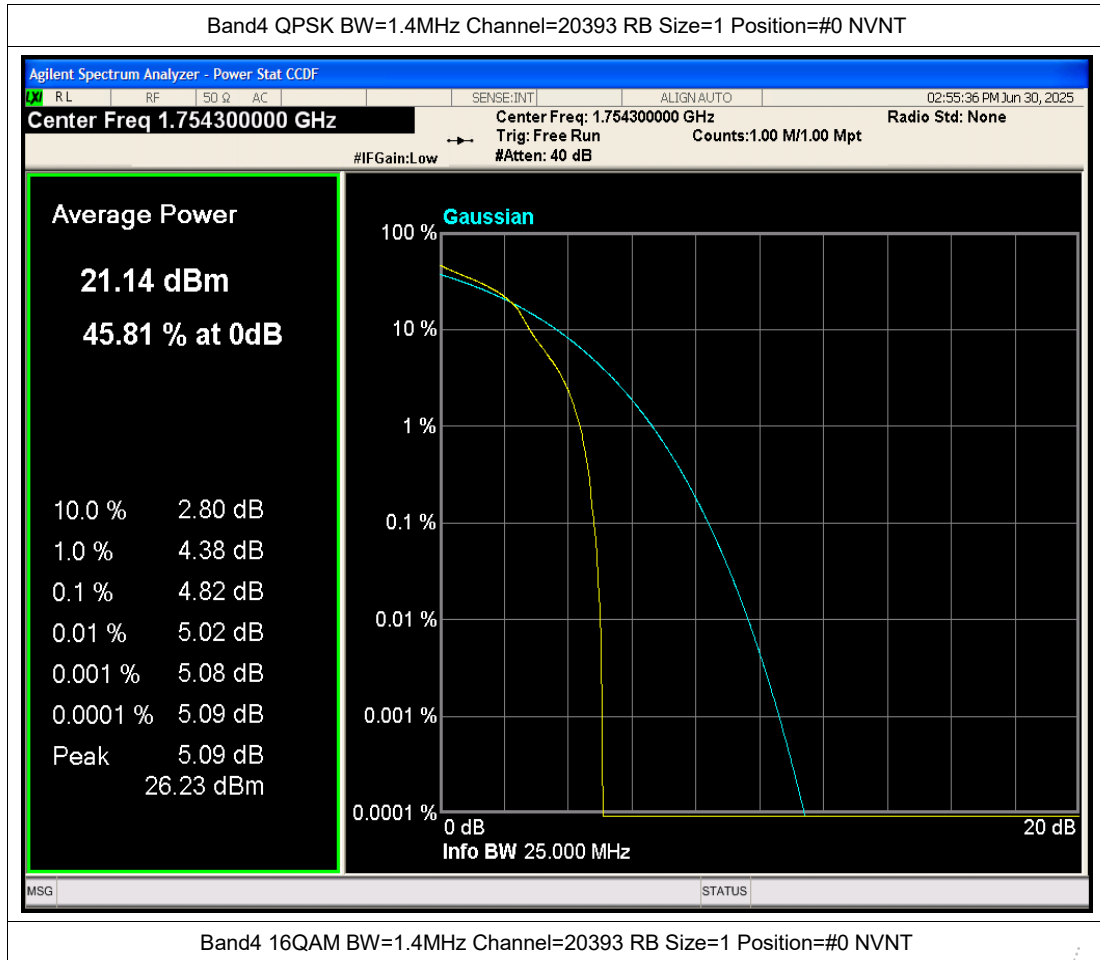


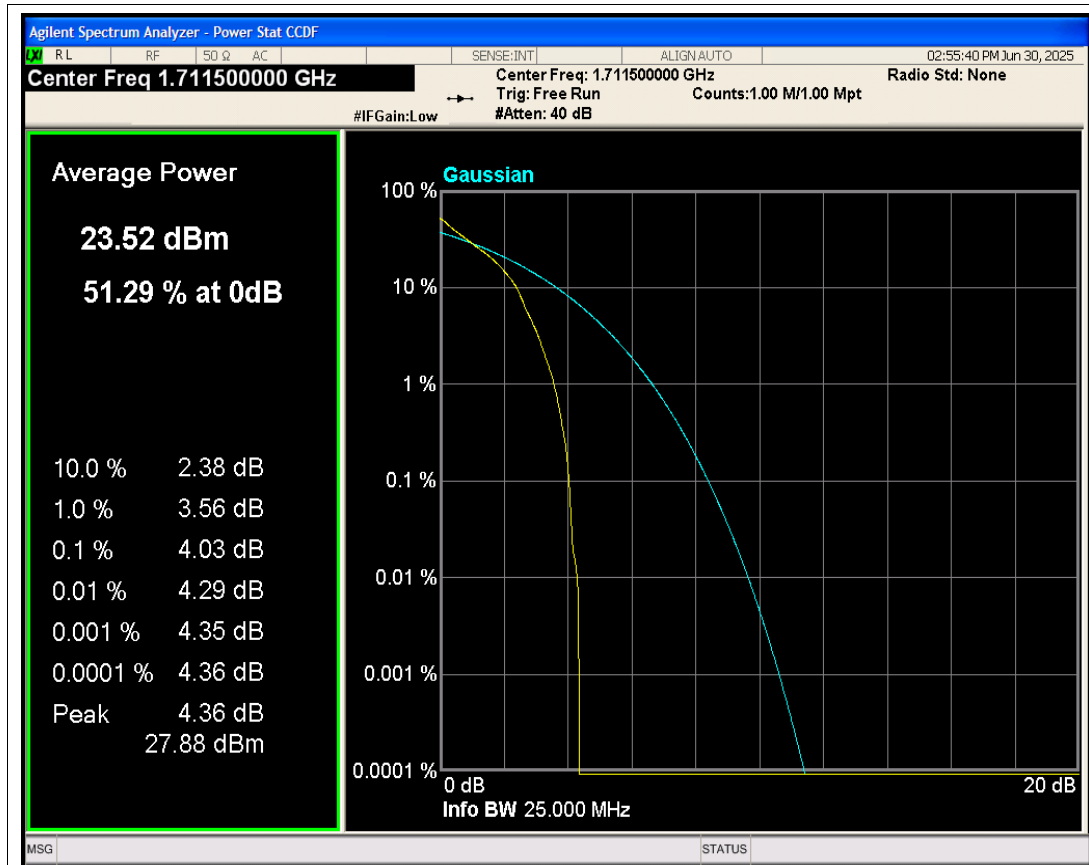




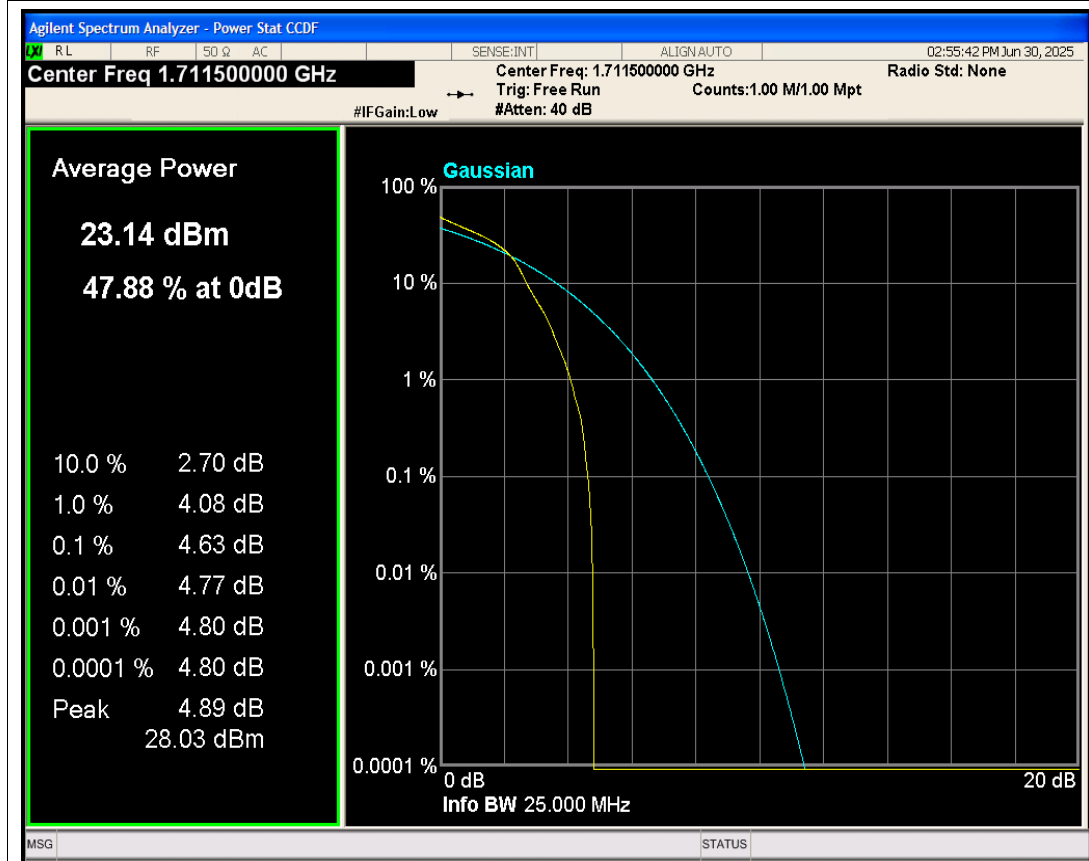
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

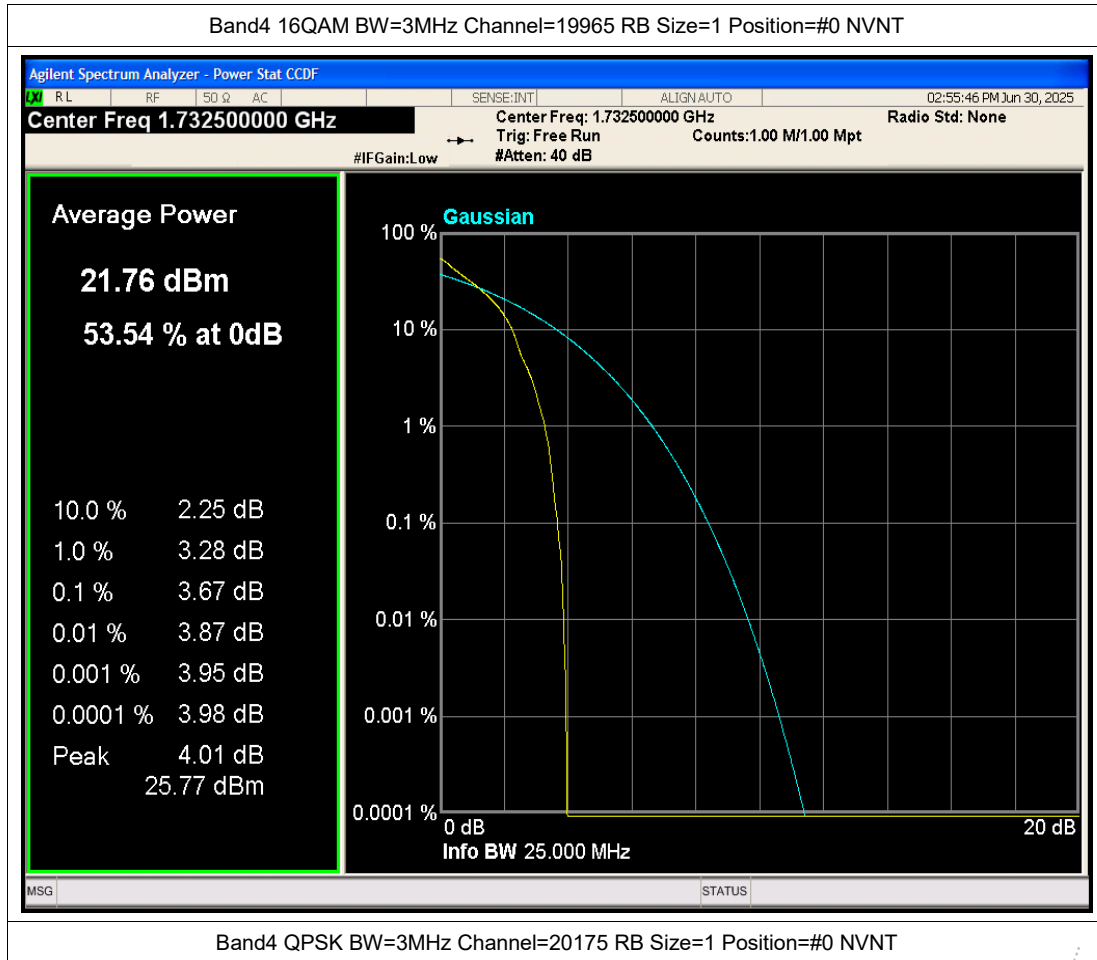


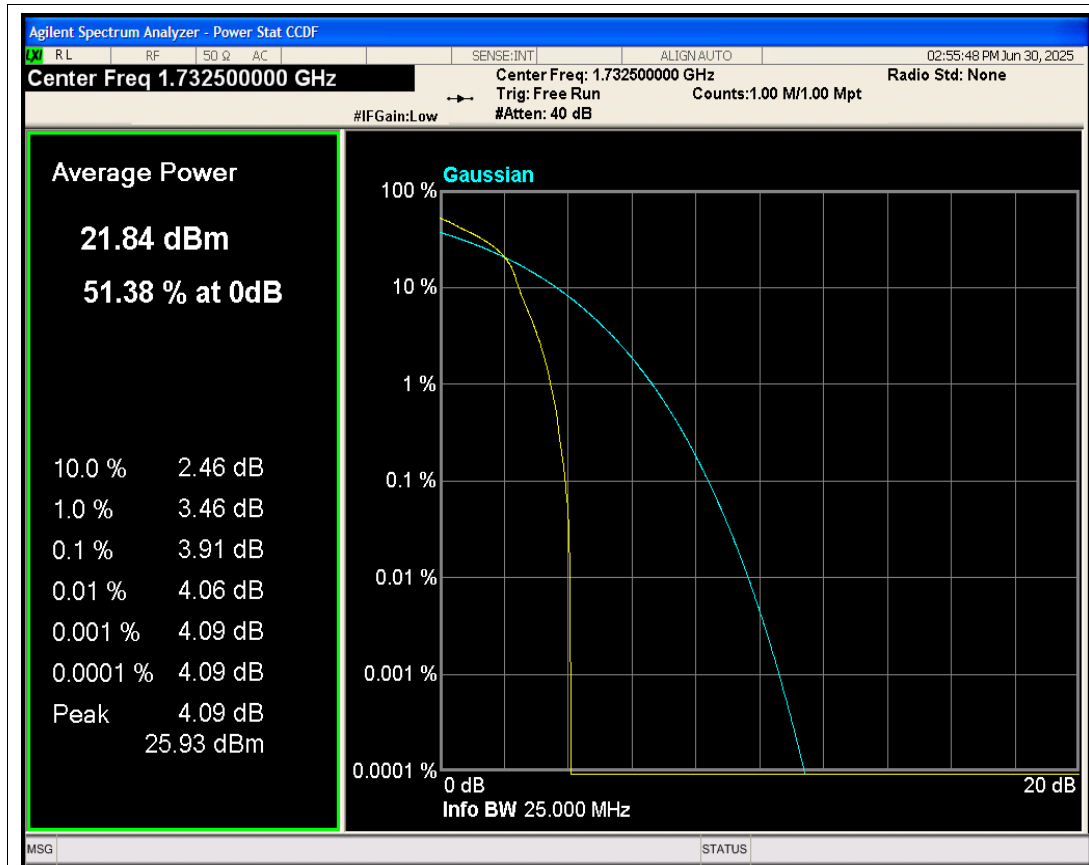




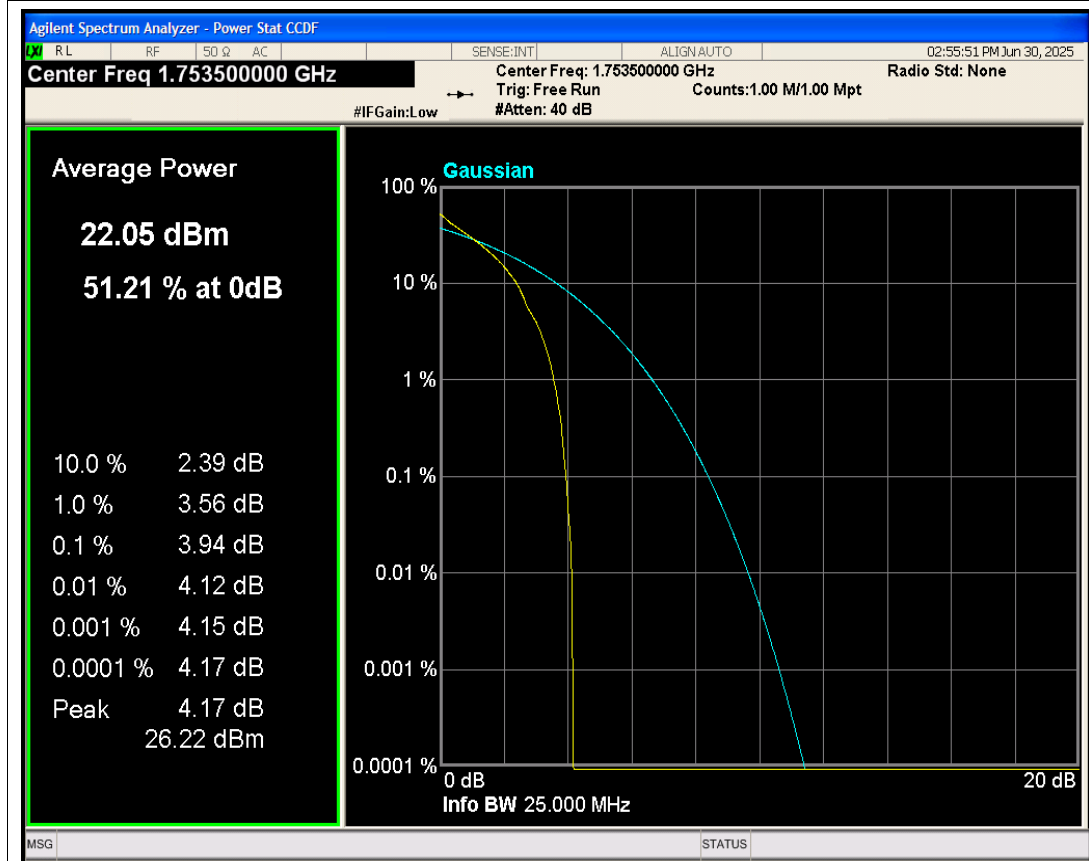
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

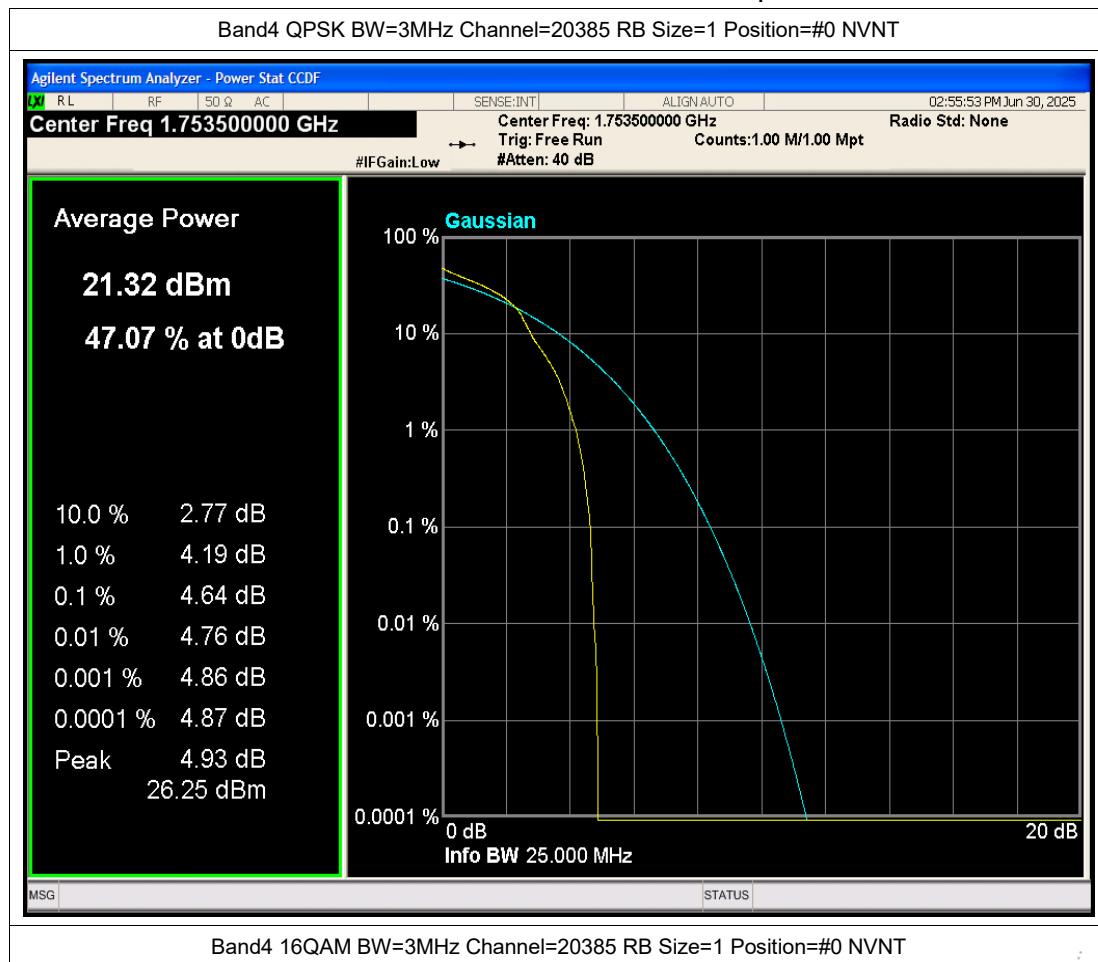


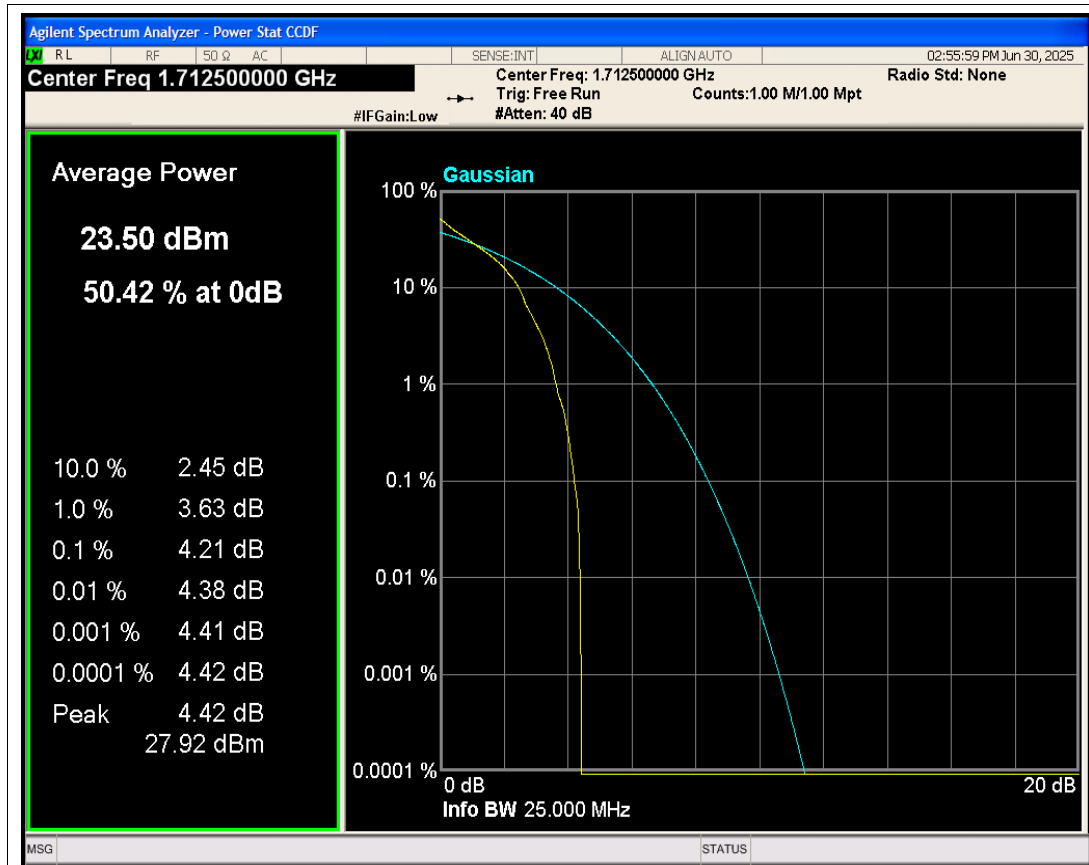




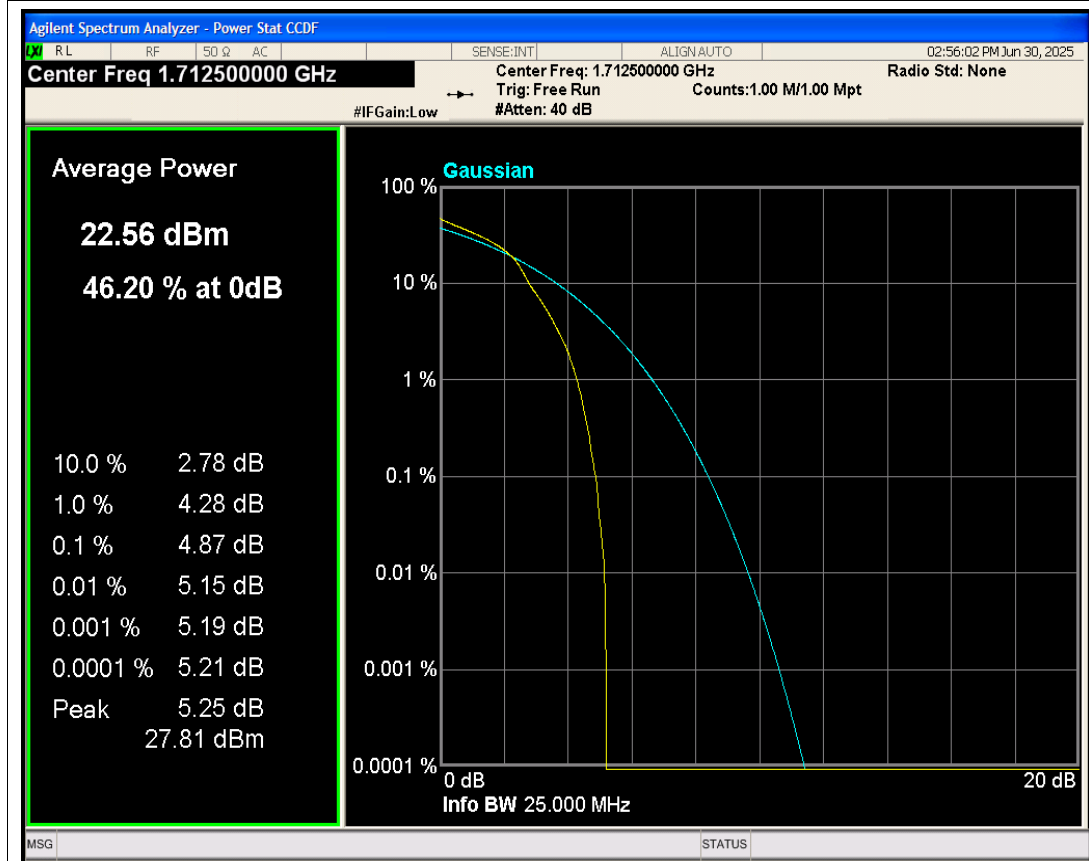
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

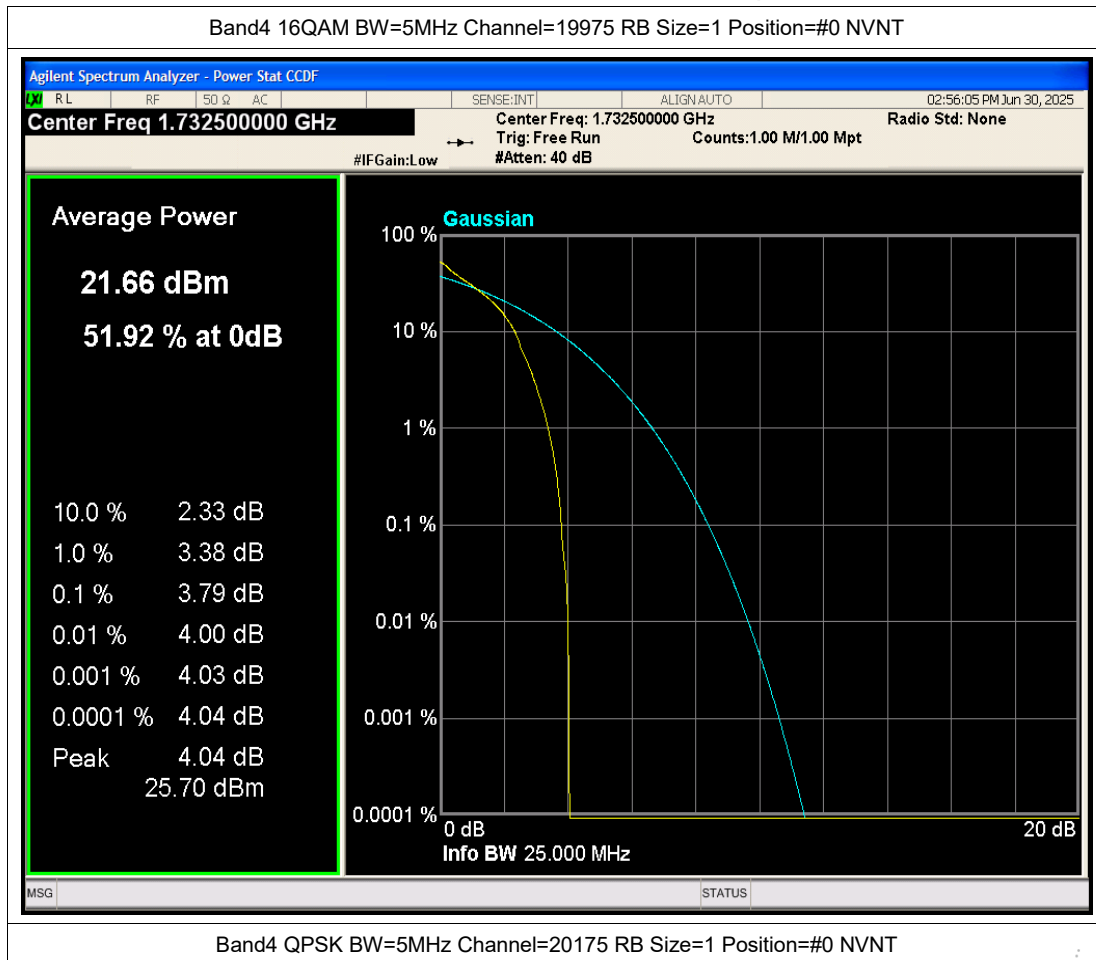


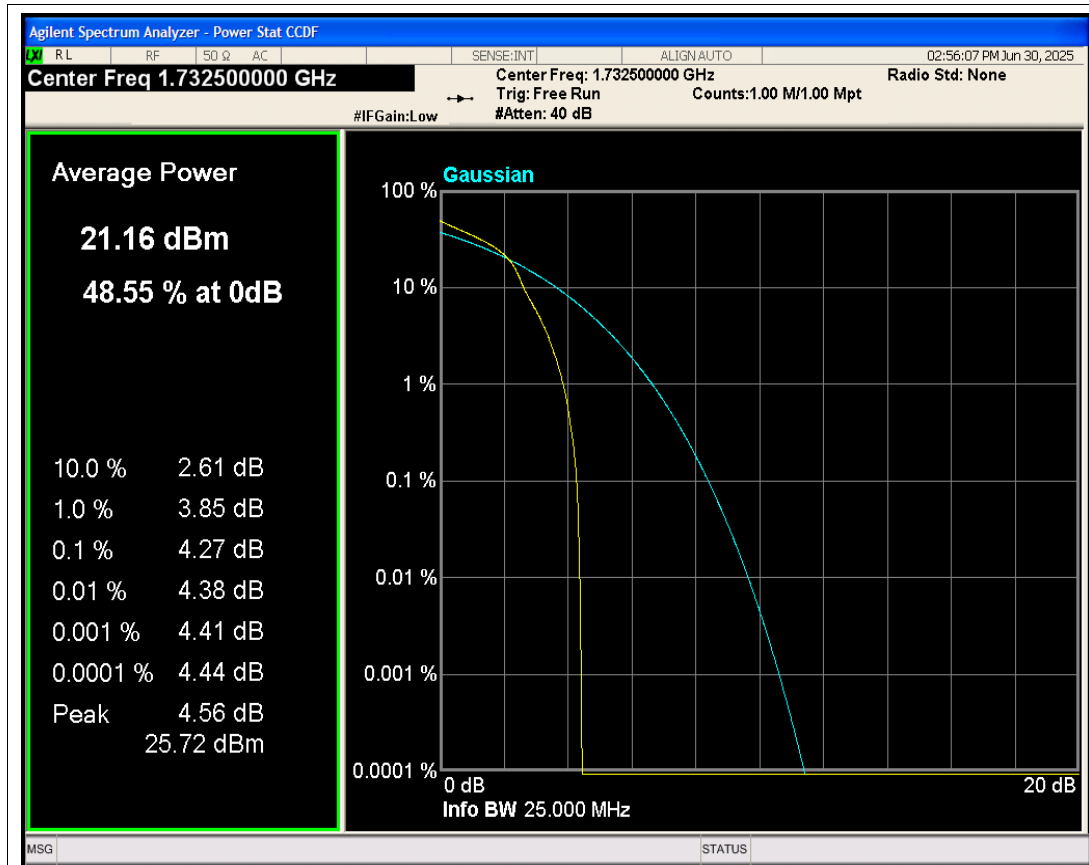




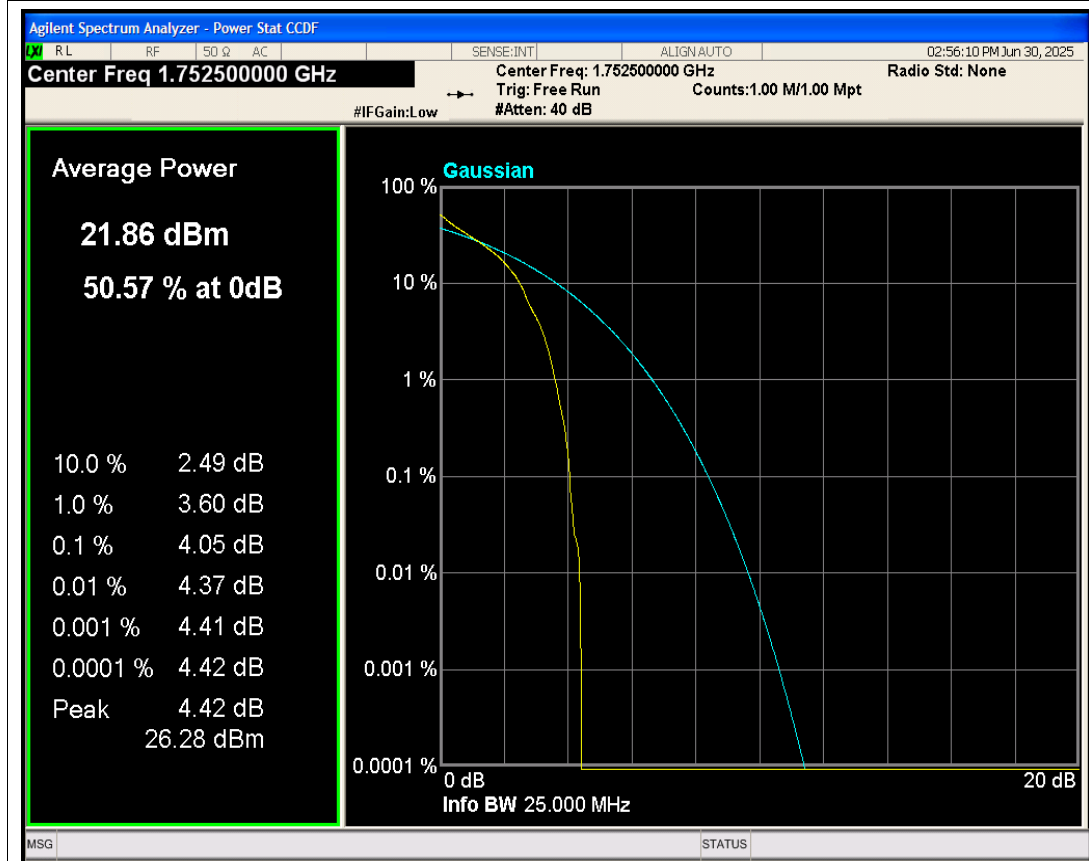
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

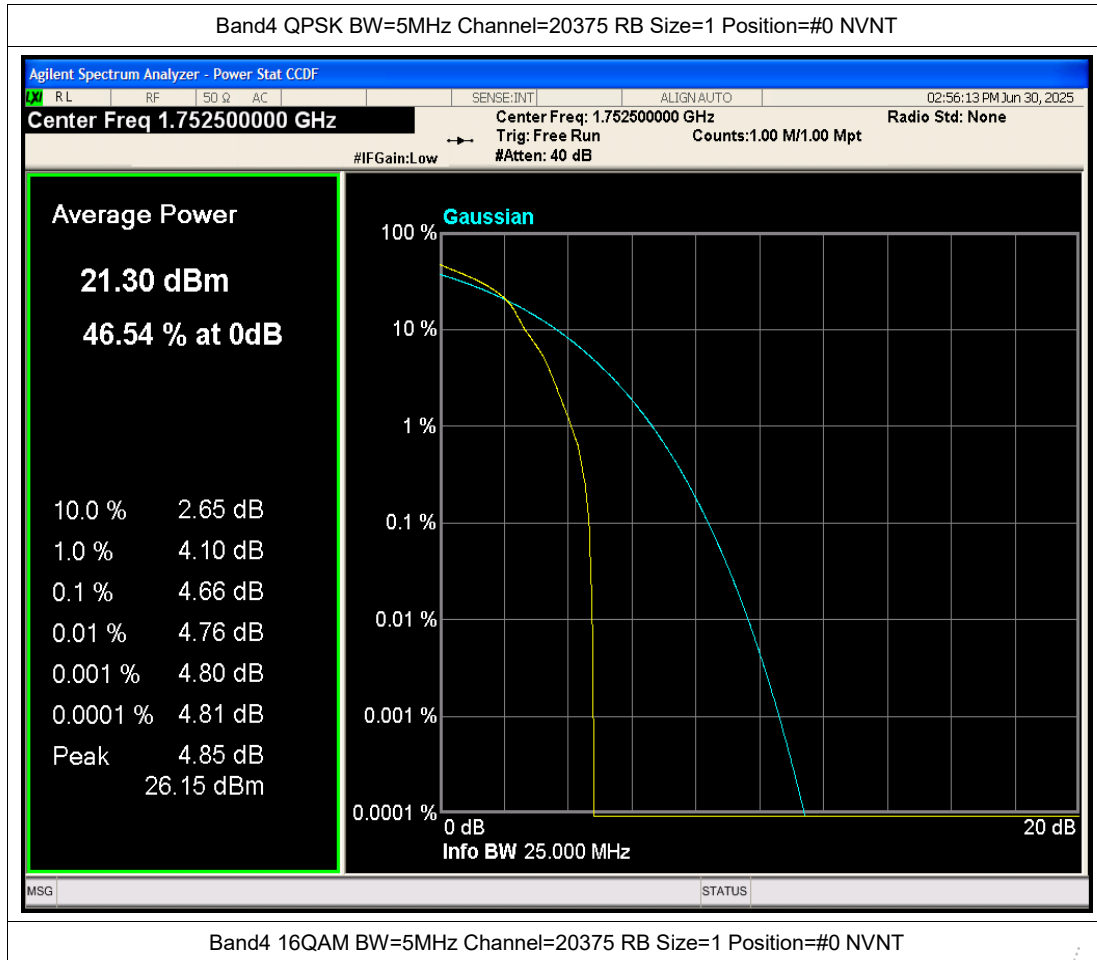


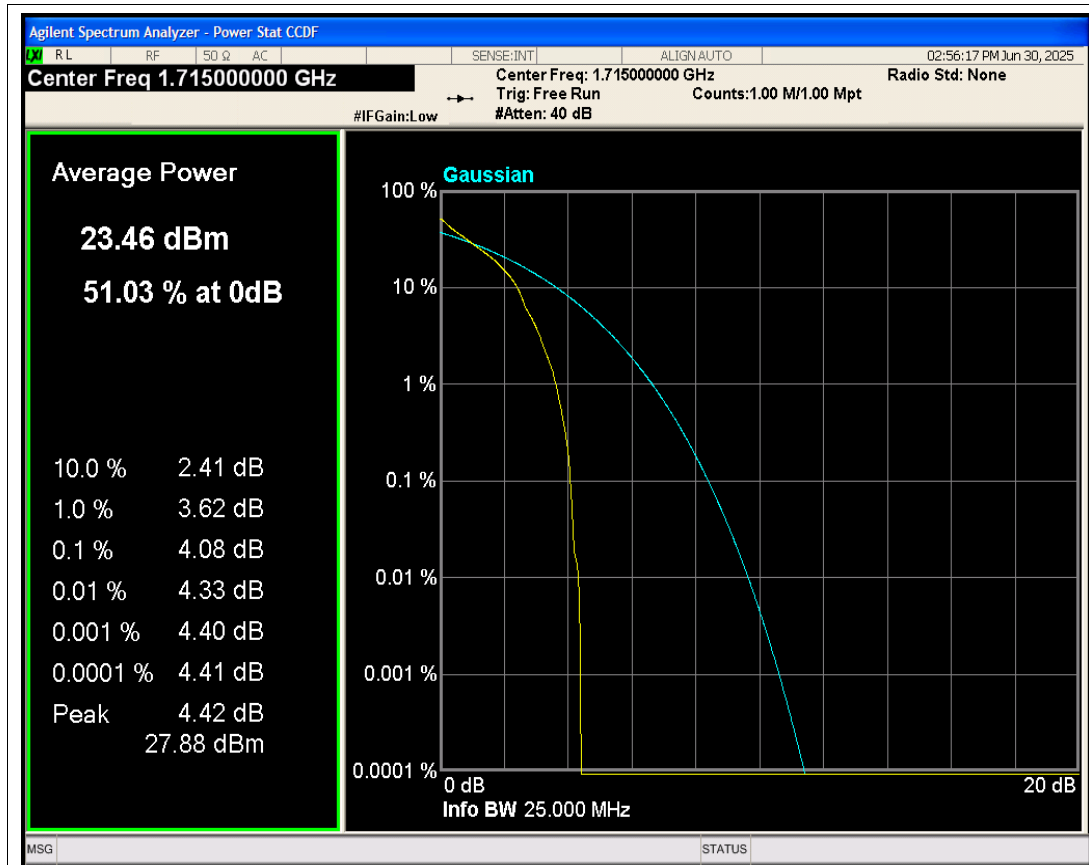




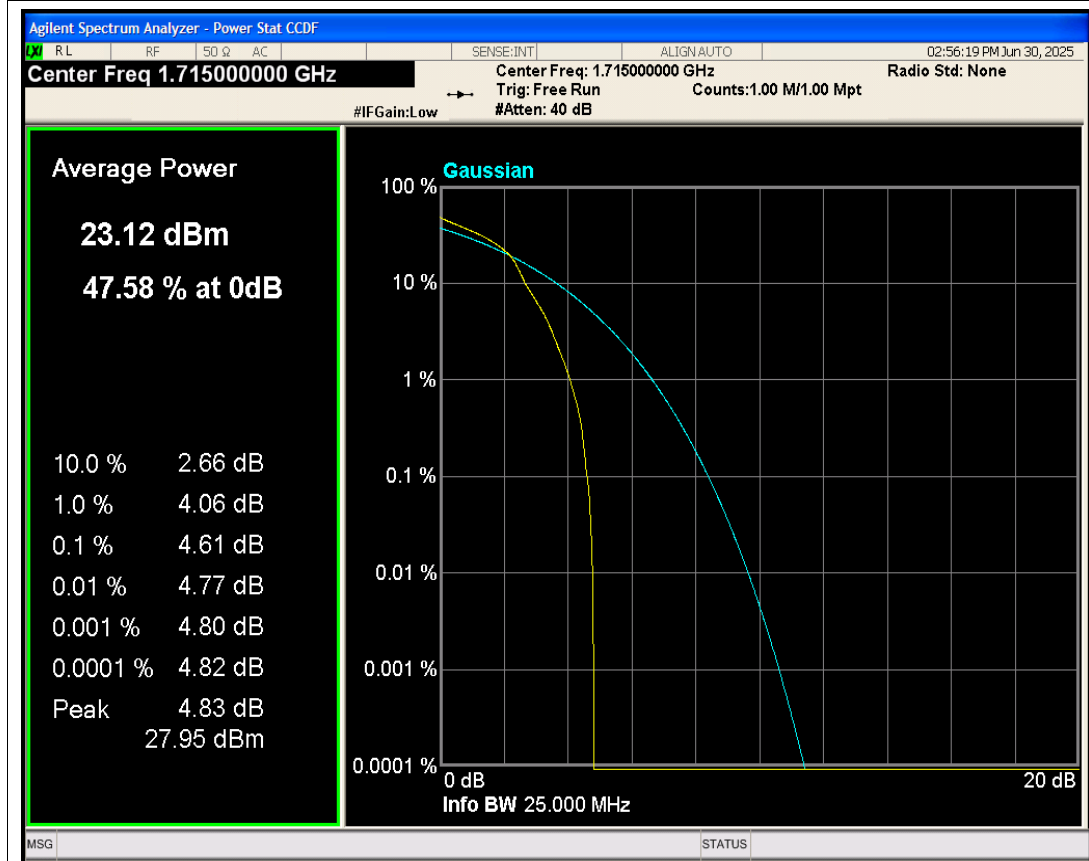
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

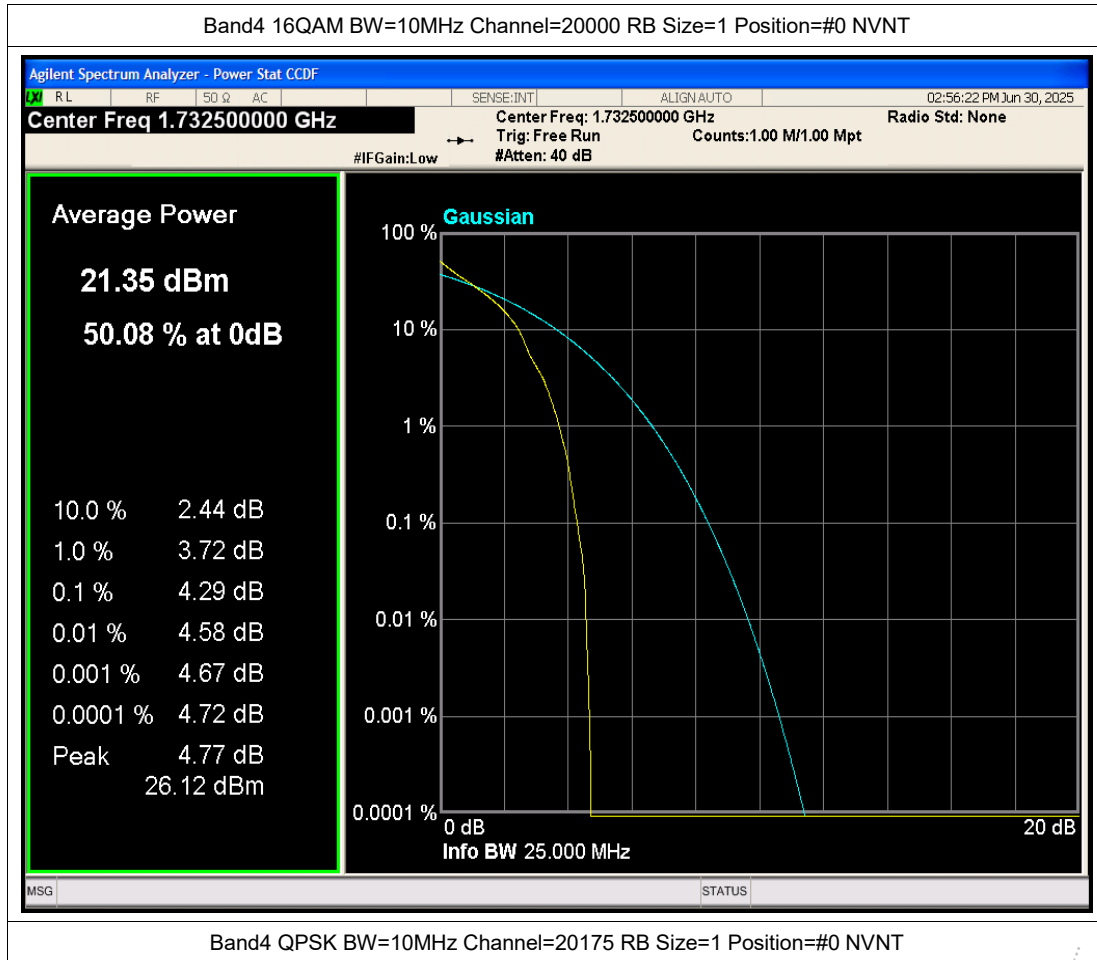


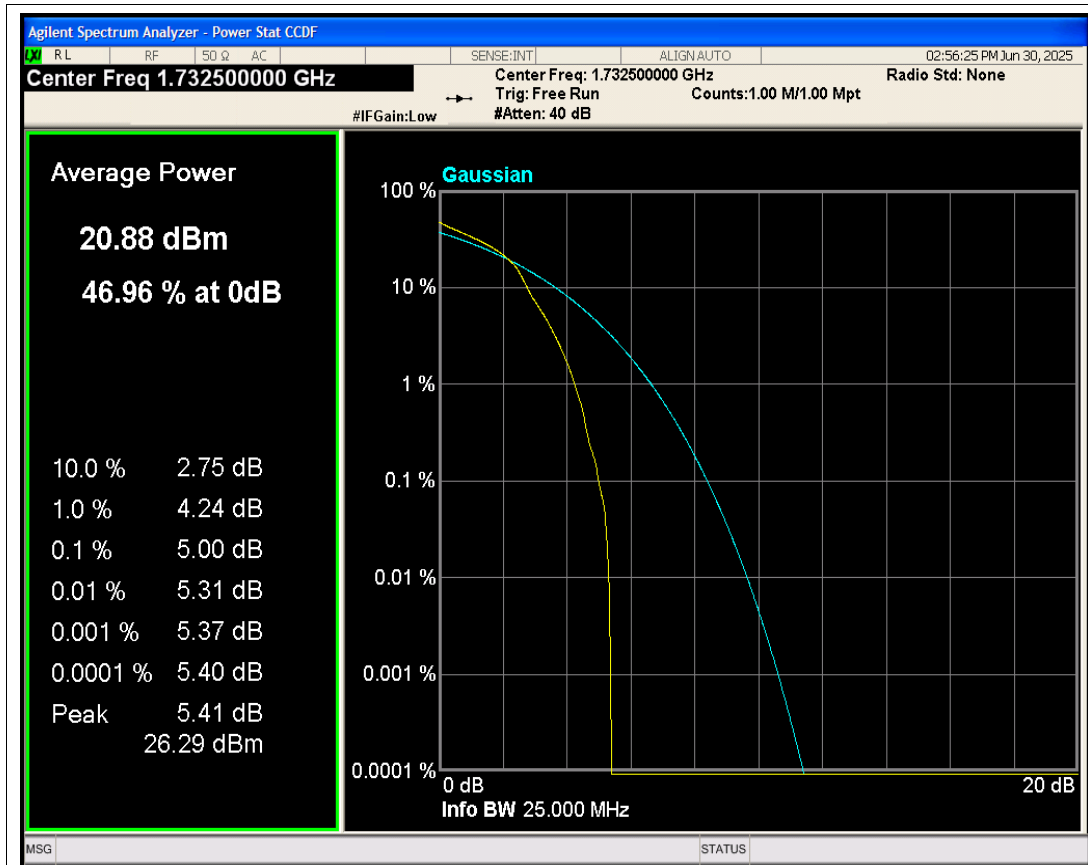




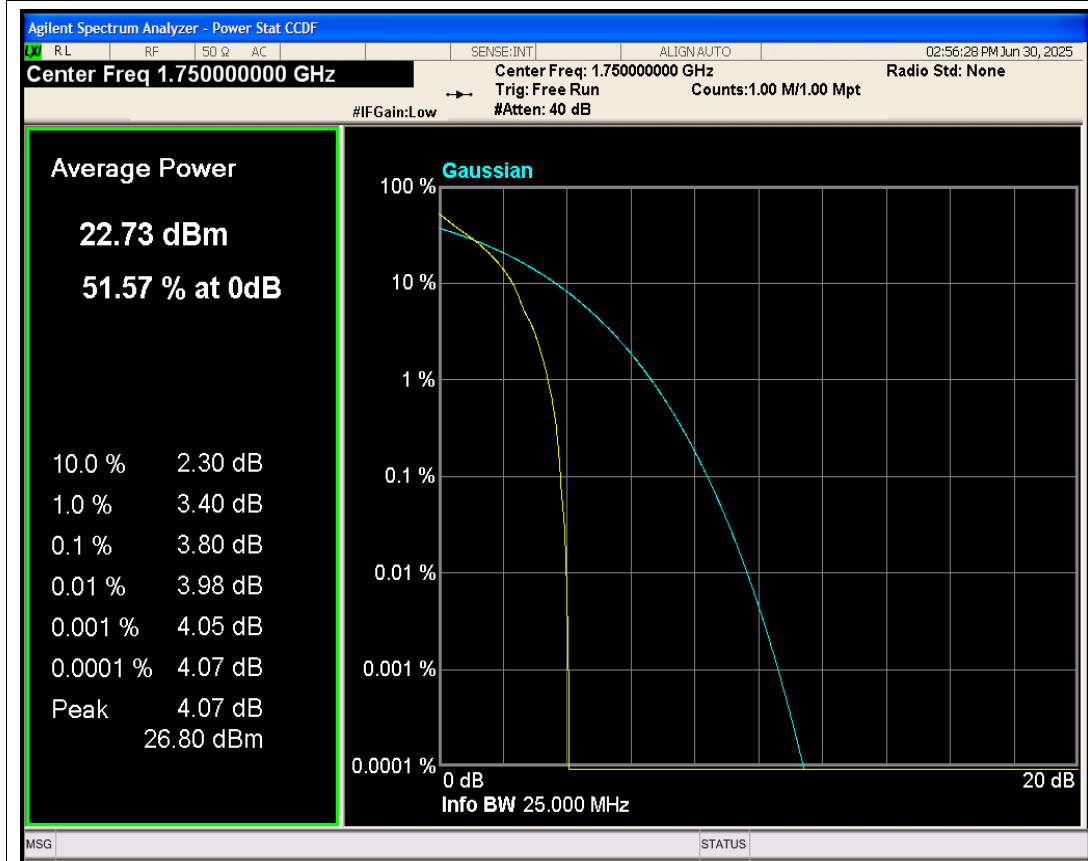
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

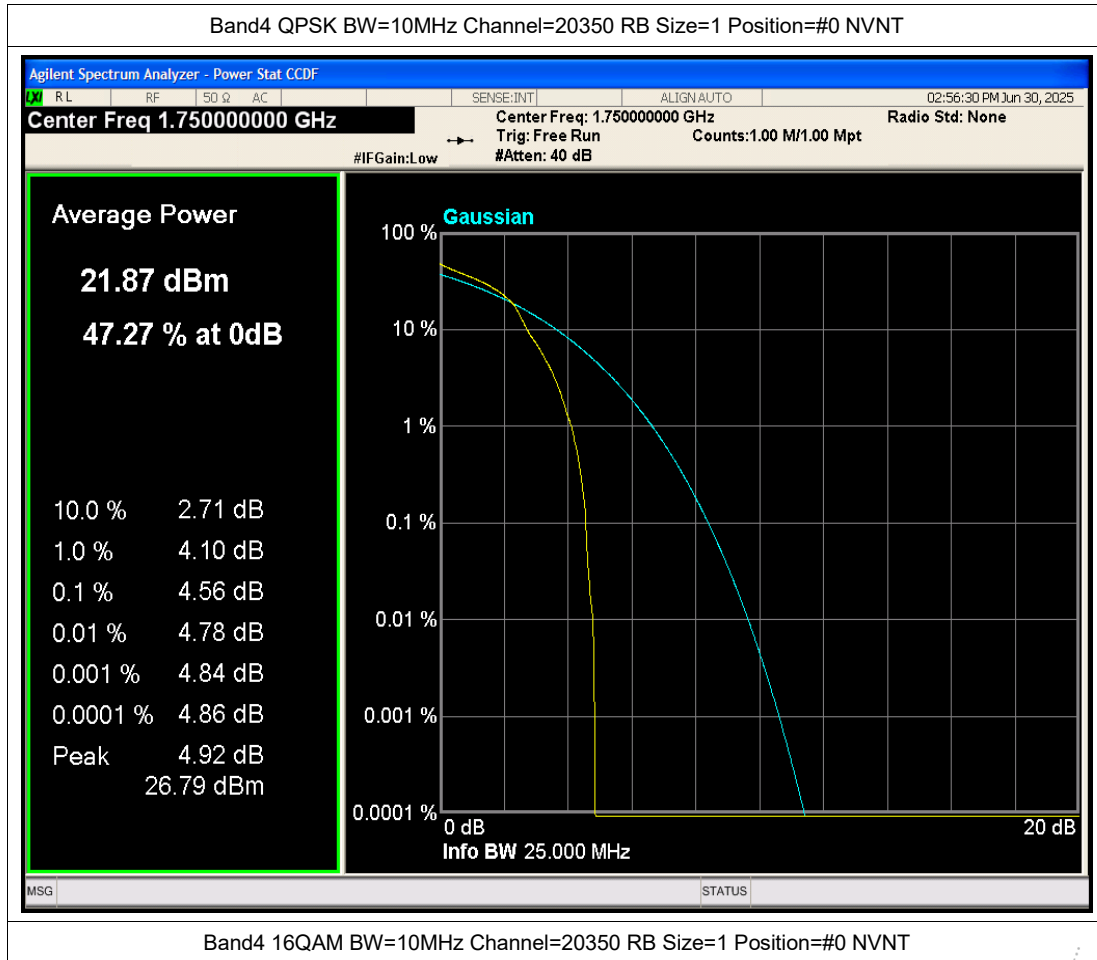


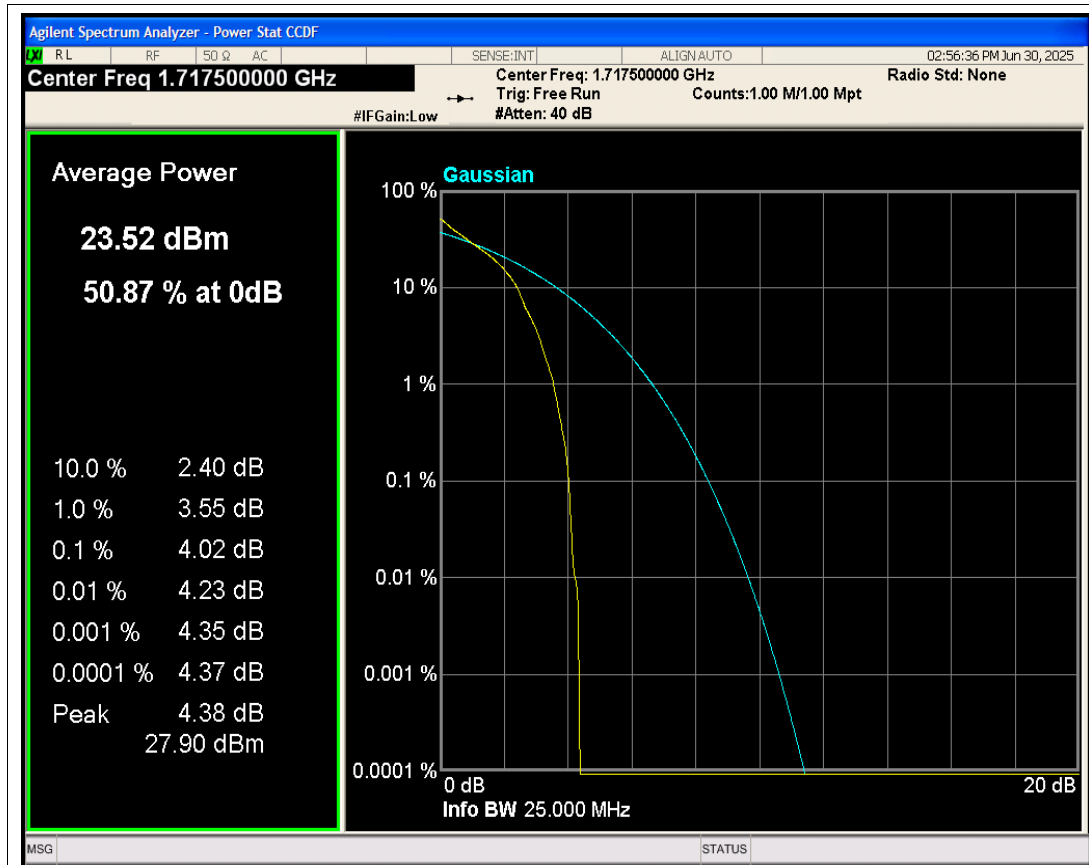




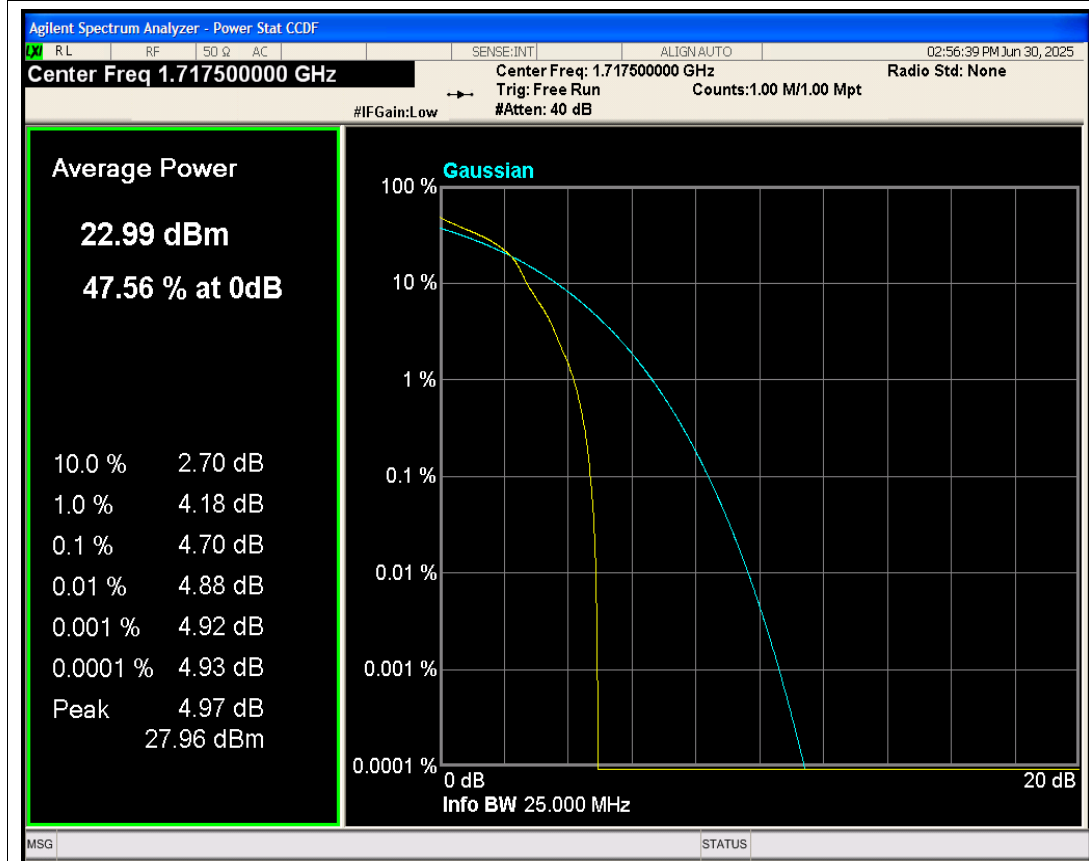
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

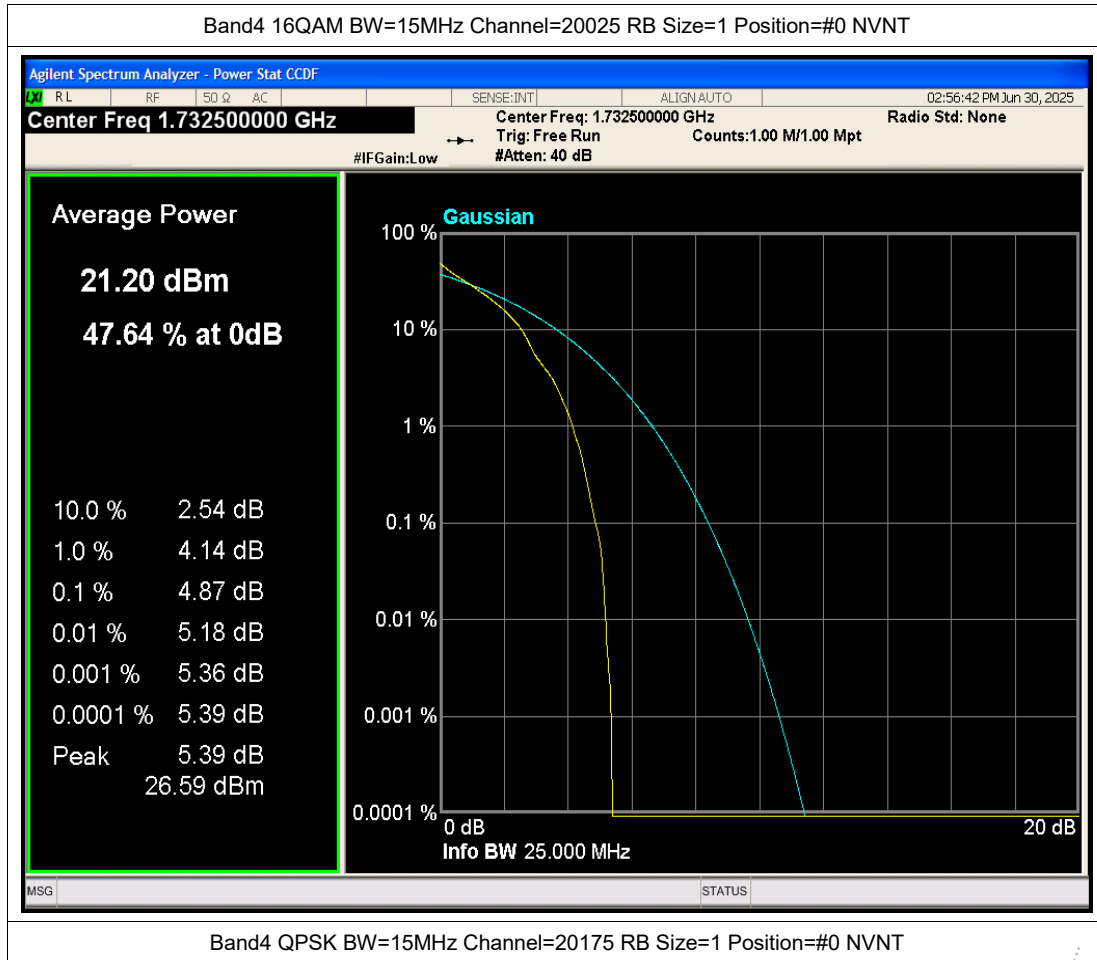


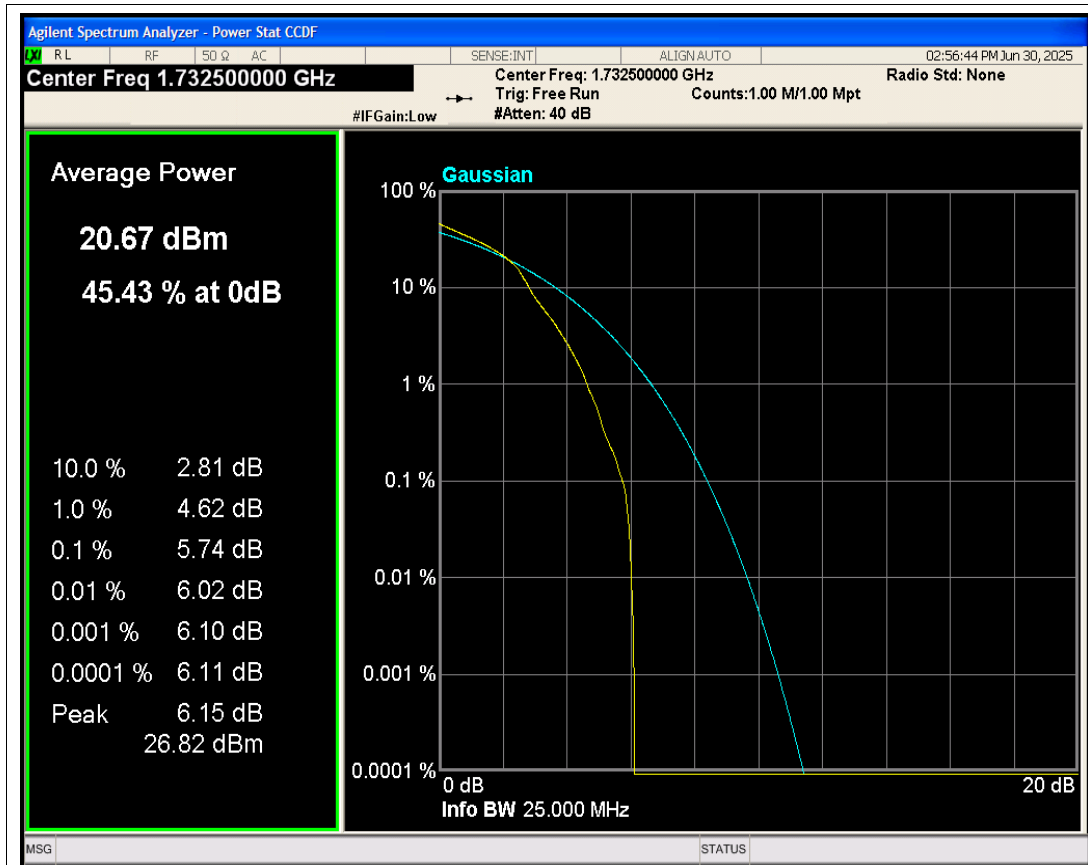




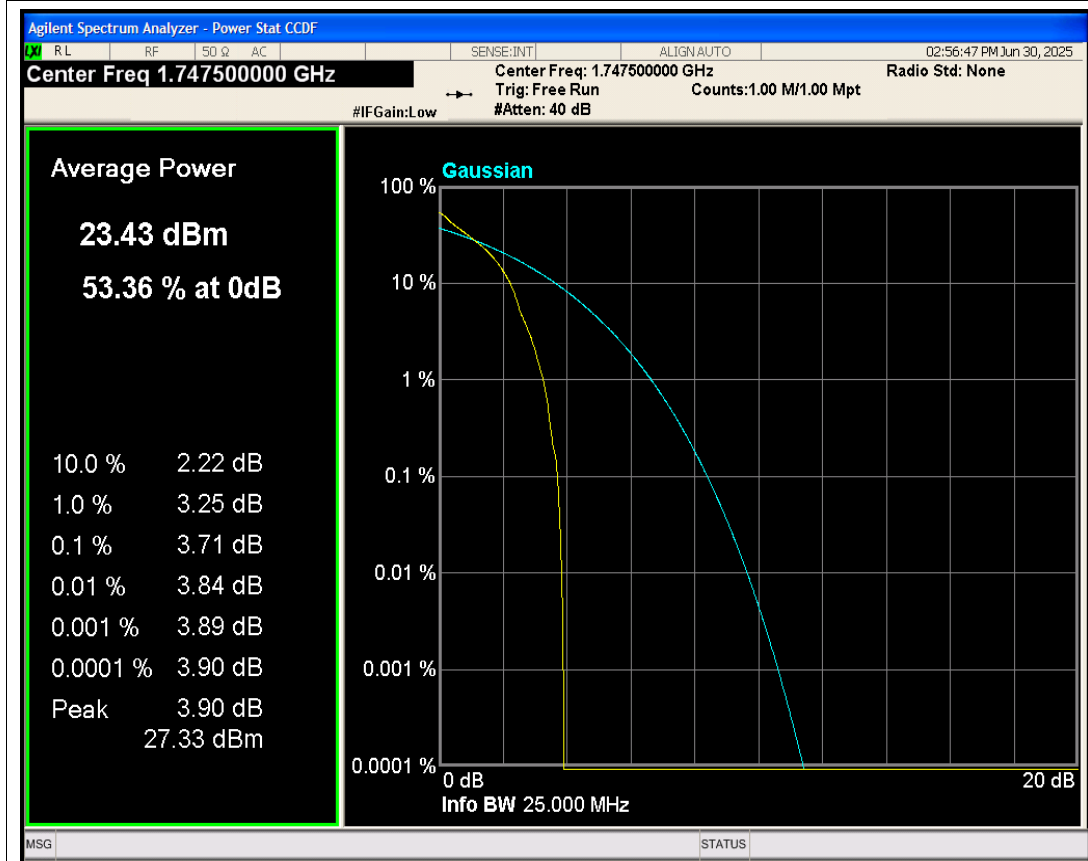
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

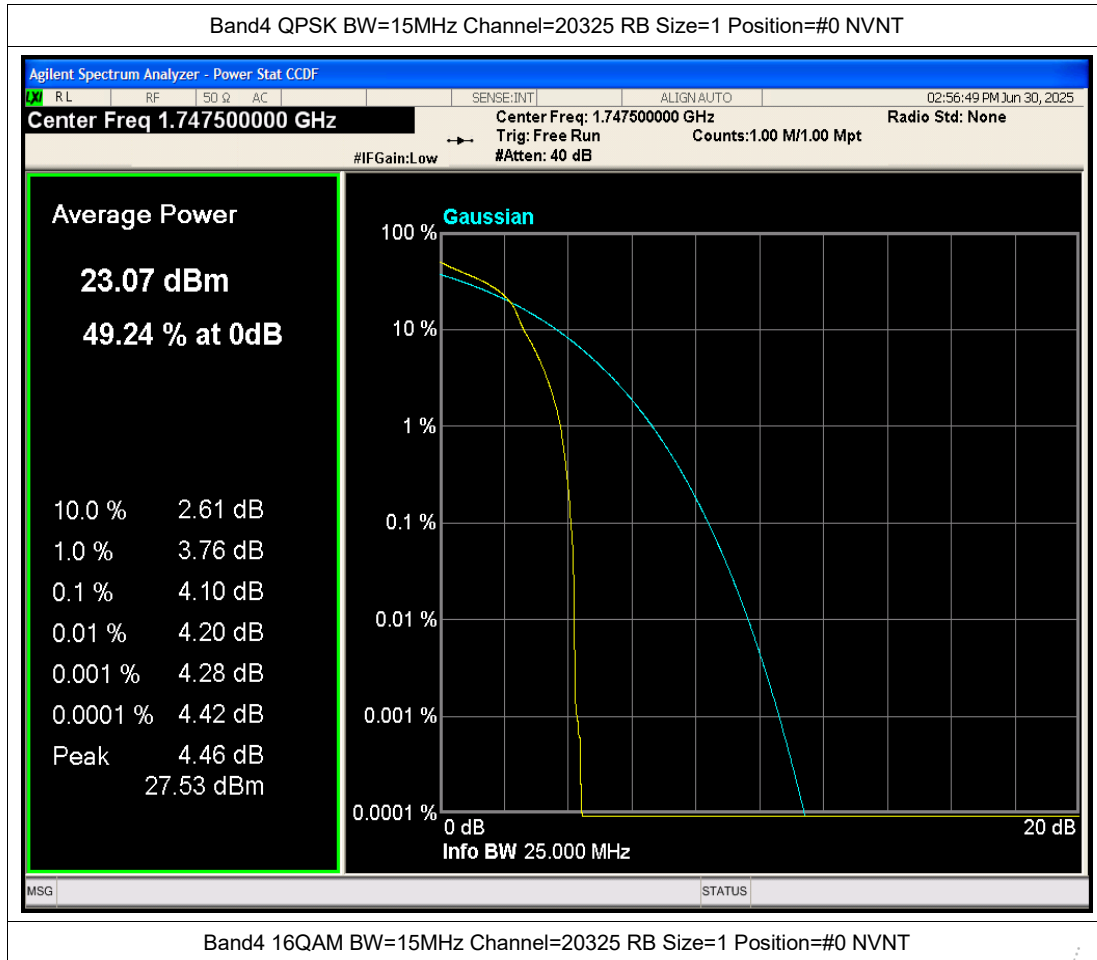


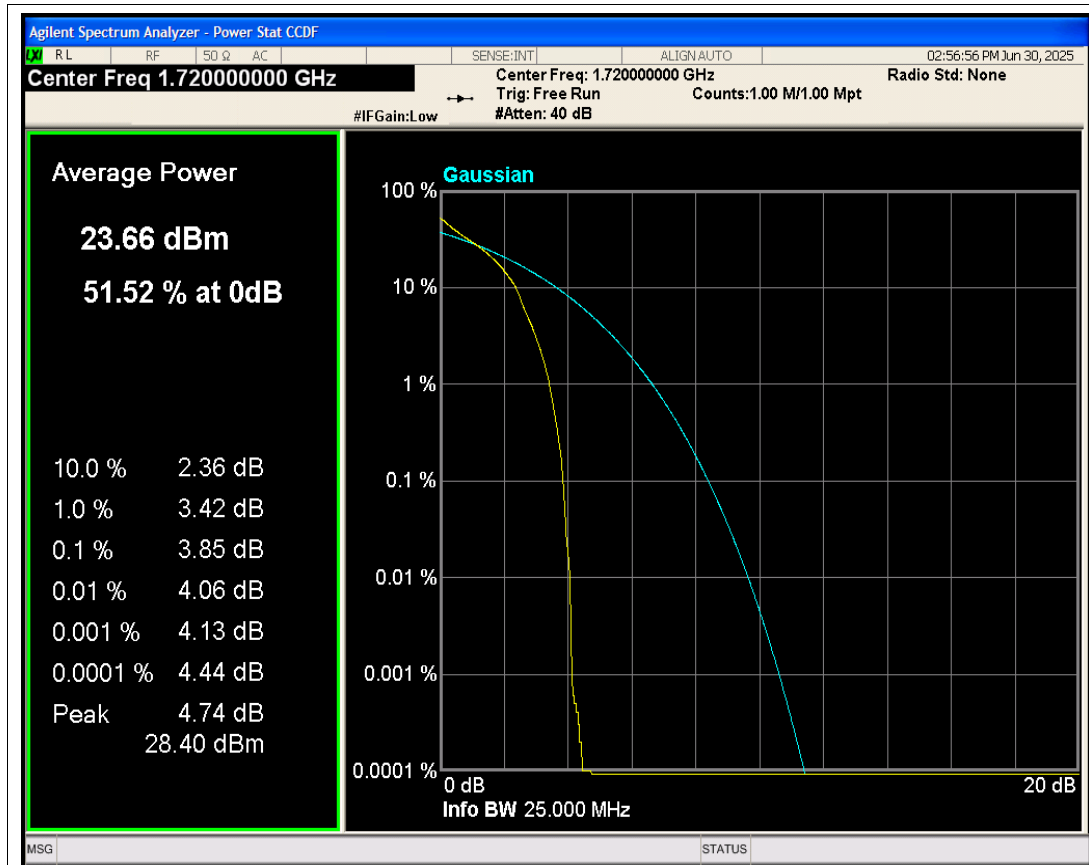




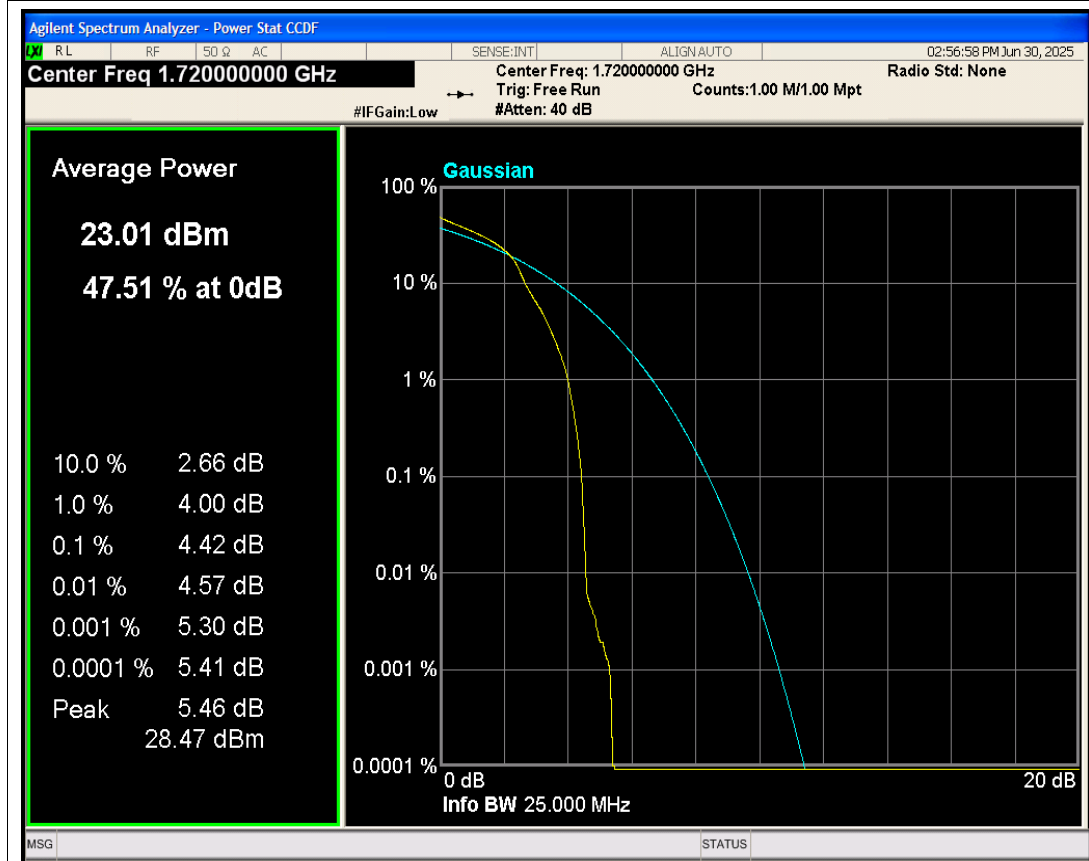
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

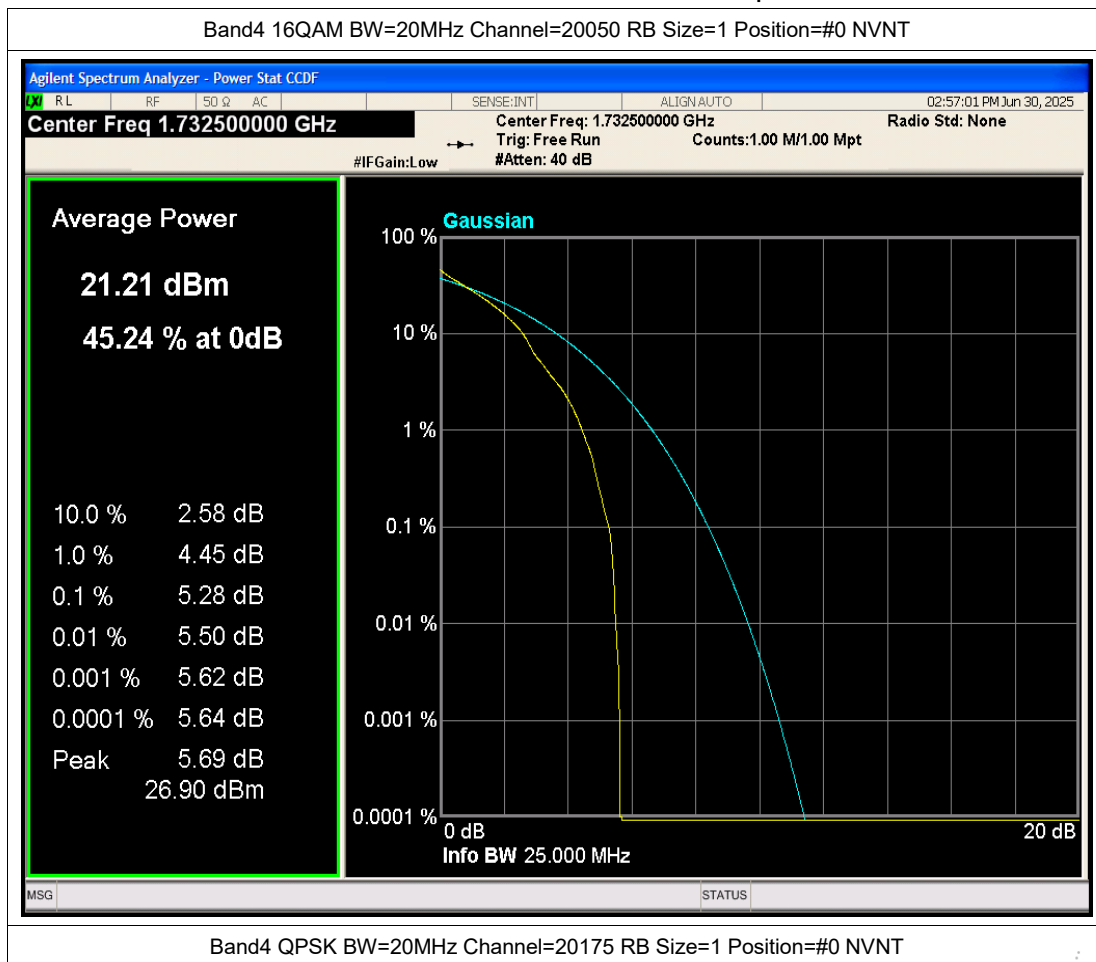


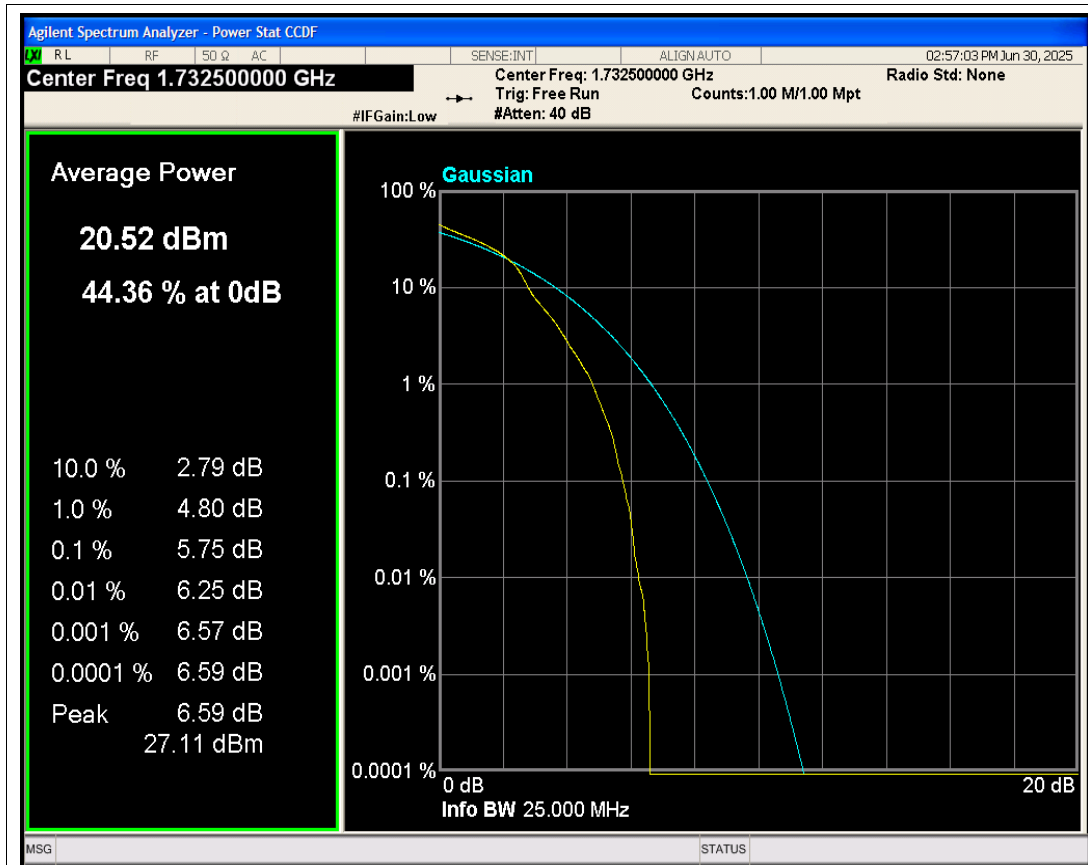




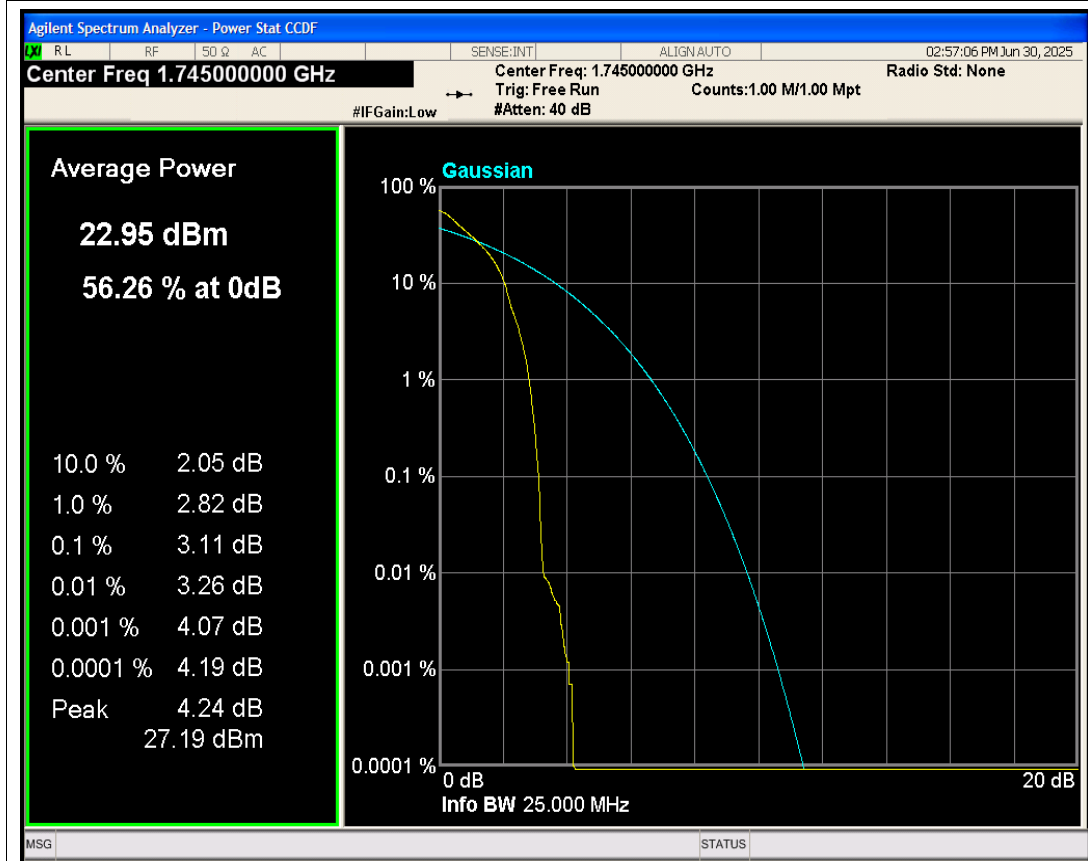
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

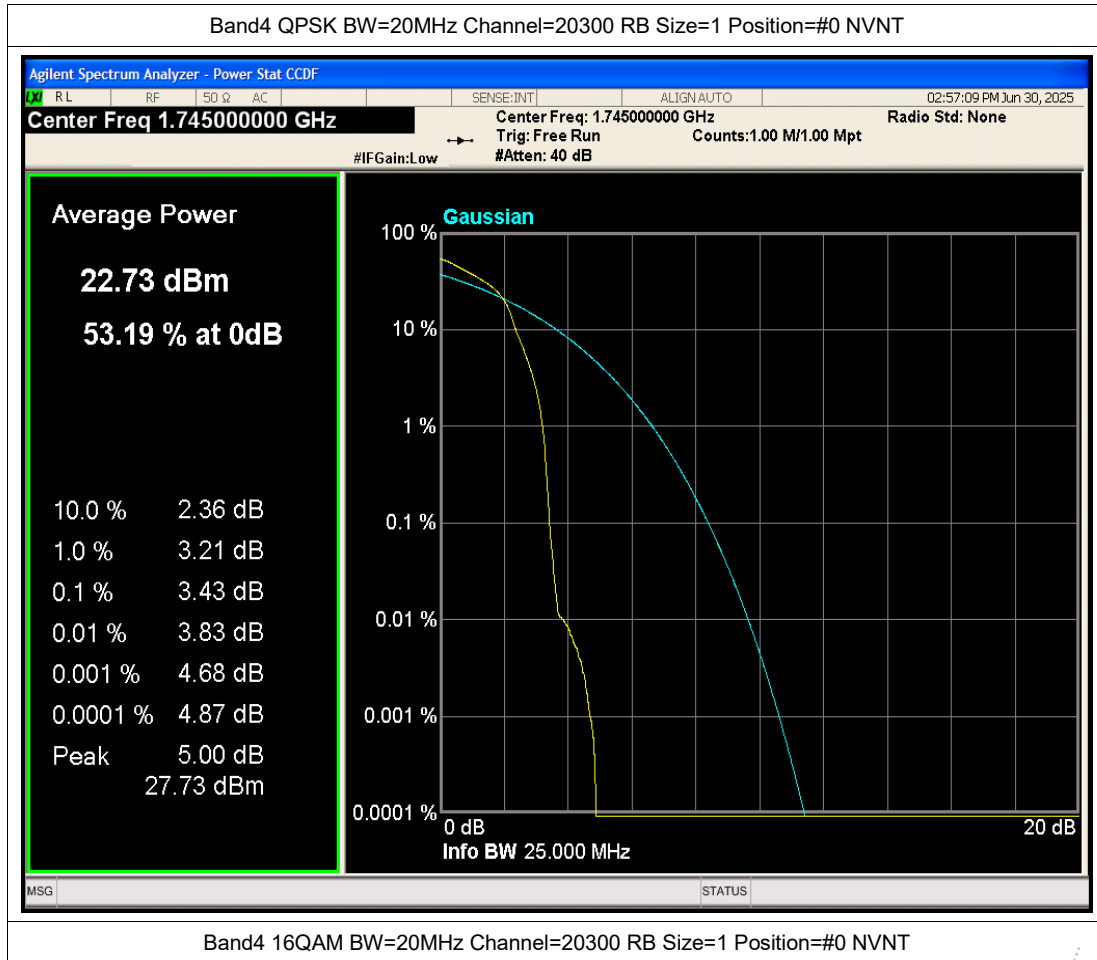






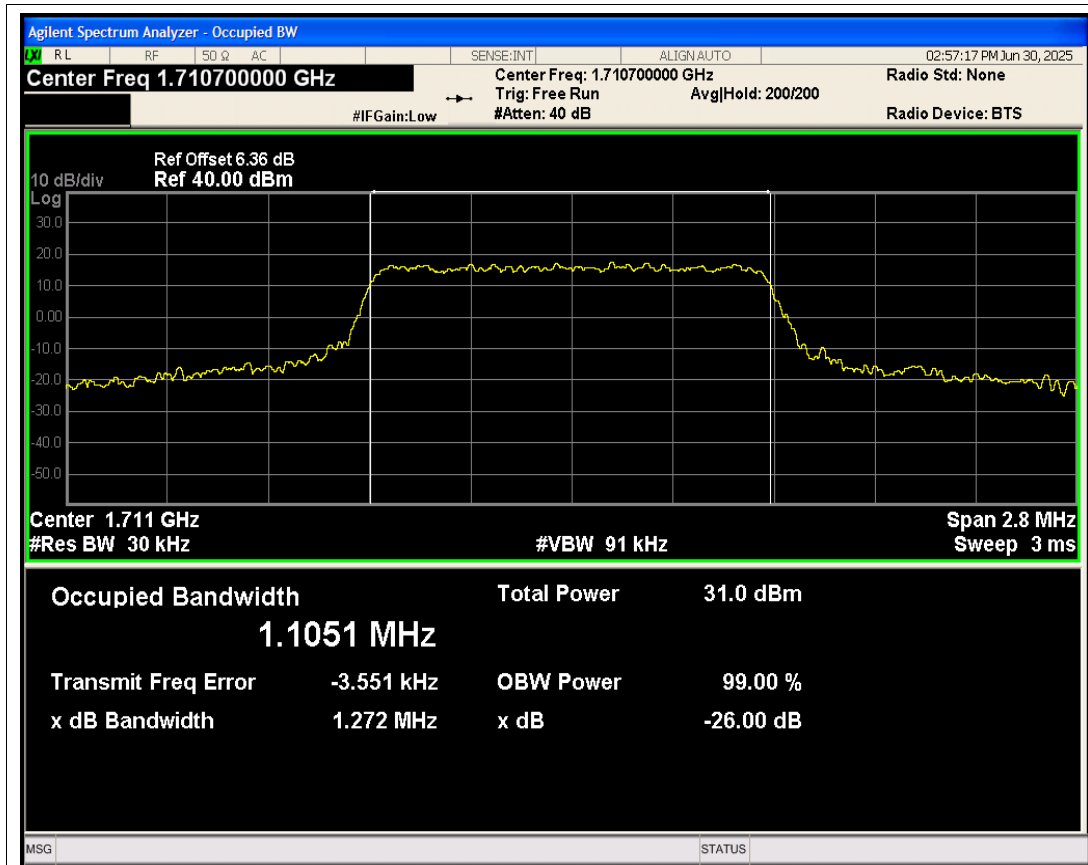
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



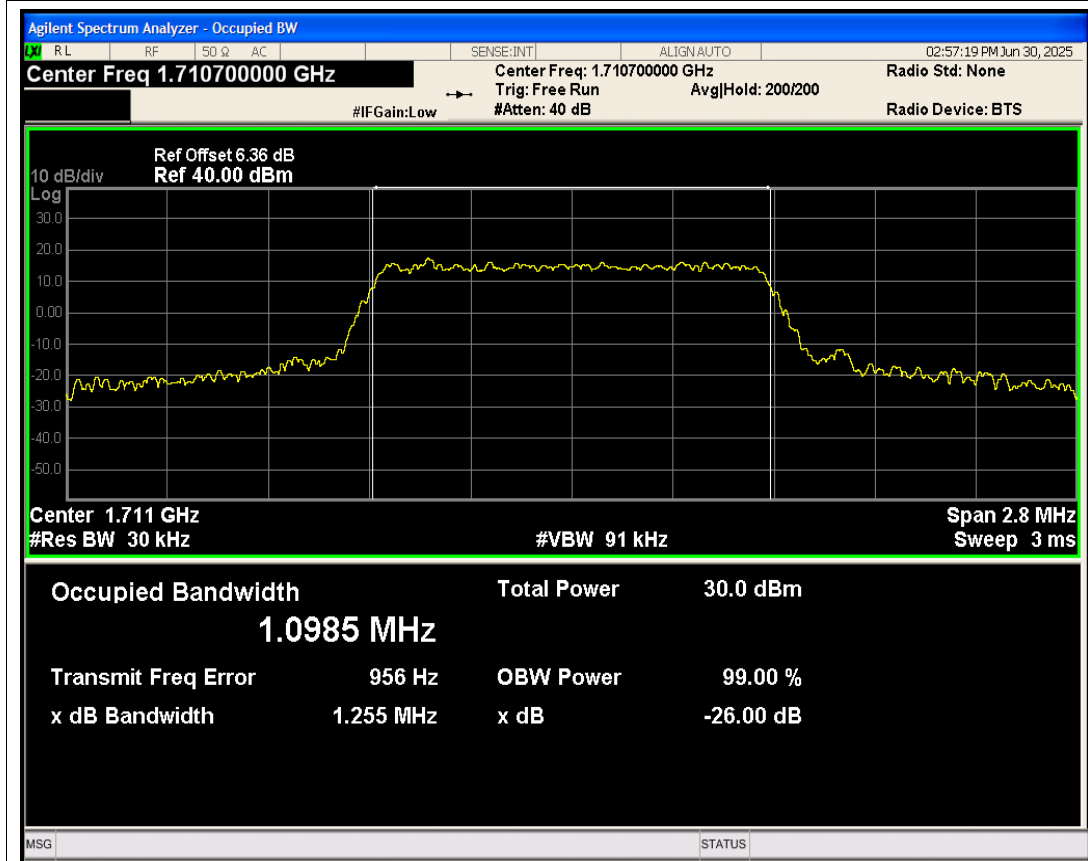


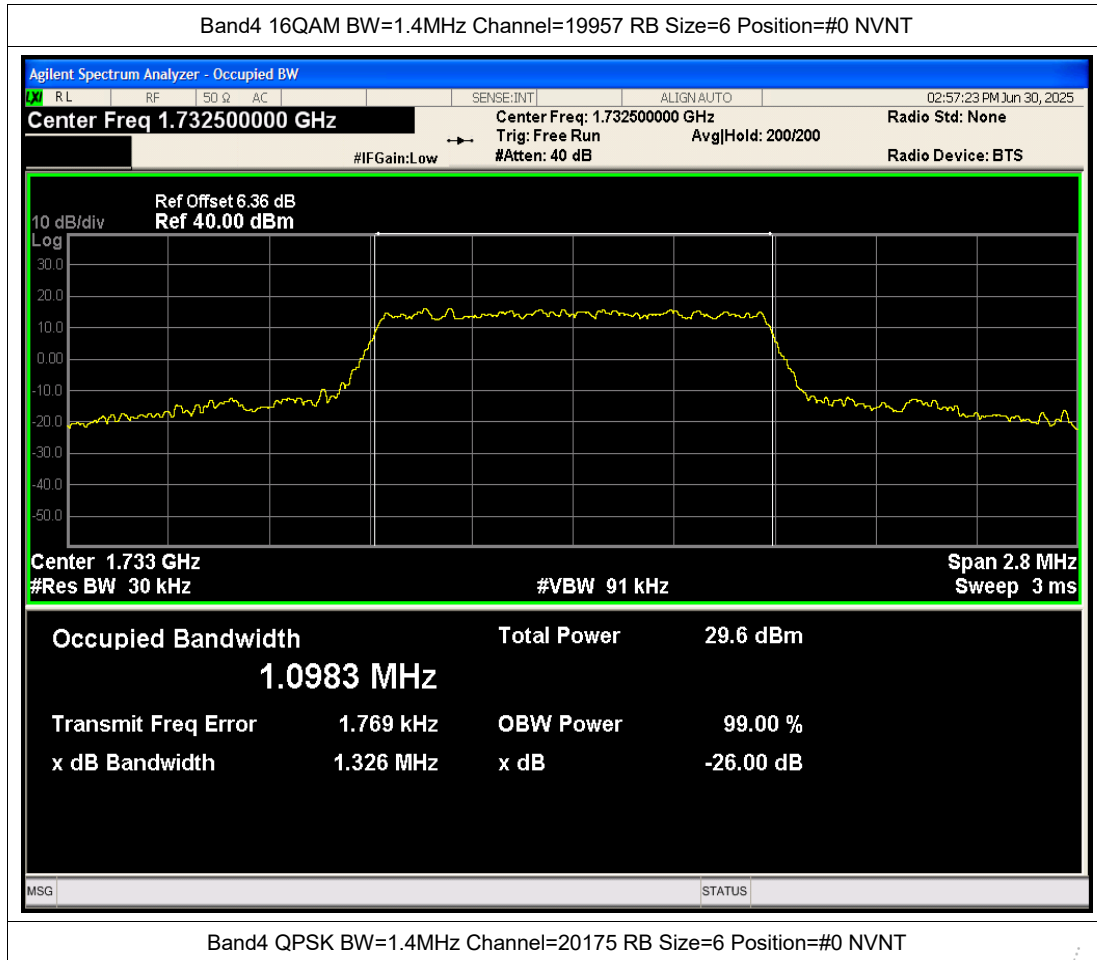
Appendix 4.Occupied bandwidth

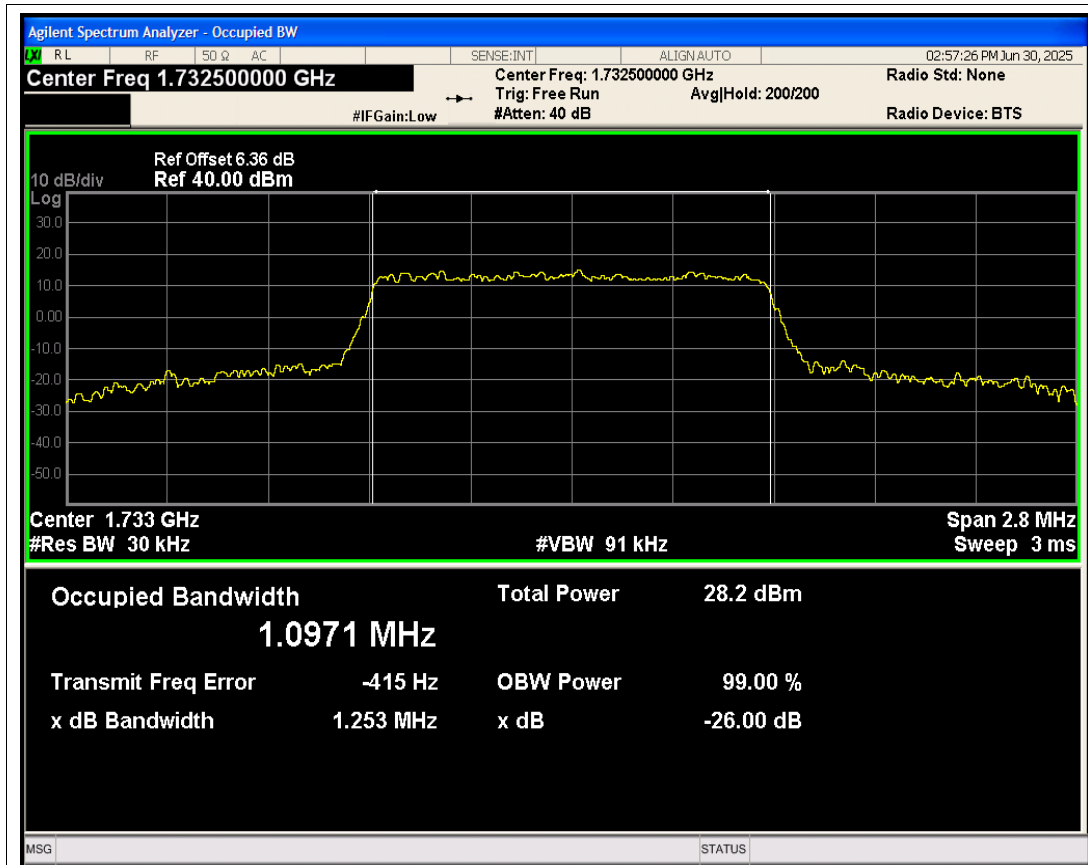
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.105	1.272	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.099	1.255	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.098	1.326	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.097	1.253	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.101	1.245	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.091	1.242	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.712	3.052	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.703	3.055	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.729	3.050	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.708	3.076	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.701	3.061	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.714	3.067	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.506	4.960	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.516	4.980	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.520	4.971	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.509	4.994	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.506	4.986	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.526	4.962	PASS
NVNT	Band4	10	20000	50	#0	QPSK	8.991	9.869	PASS
NVNT	Band4	10	20000	50	#0	16QAM	8.983	9.873	PASS
NVNT	Band4	10	20175	50	#0	QPSK	9.024	9.918	PASS
NVNT	Band4	10	20175	50	#0	16QAM	9.008	9.860	PASS
NVNT	Band4	10	20350	50	#0	QPSK	9.010	9.769	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.004	9.935	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.459	14.868	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.431	14.825	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.509	14.749	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.480	14.753	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.472	14.846	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.450	14.874	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.001	19.546	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.045	19.413	PASS
NVNT	Band4	20	20175	100	#0	QPSK	17.960	19.608	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.020	19.727	PASS
NVNT	Band4	20	20300	100	#0	QPSK	17.972	19.474	PASS
NVNT	Band4	20	20300	100	#0	16QAM	17.971	19.710	PASS



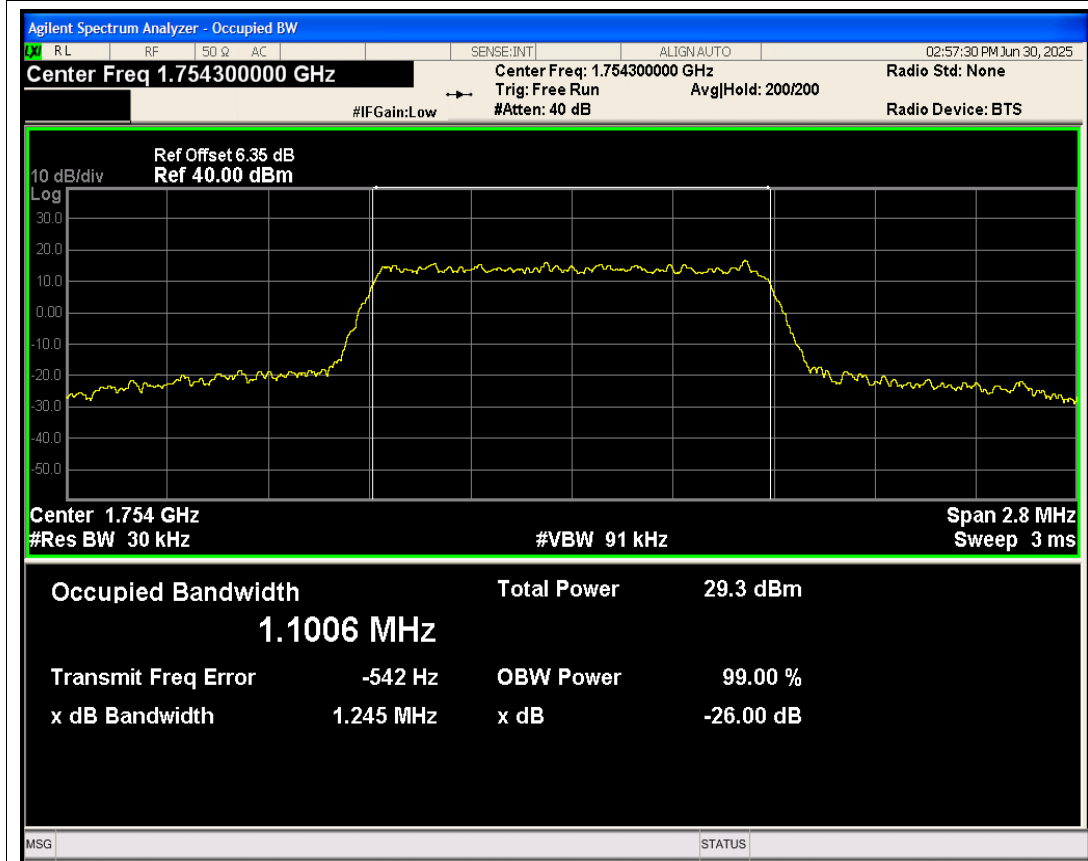
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT





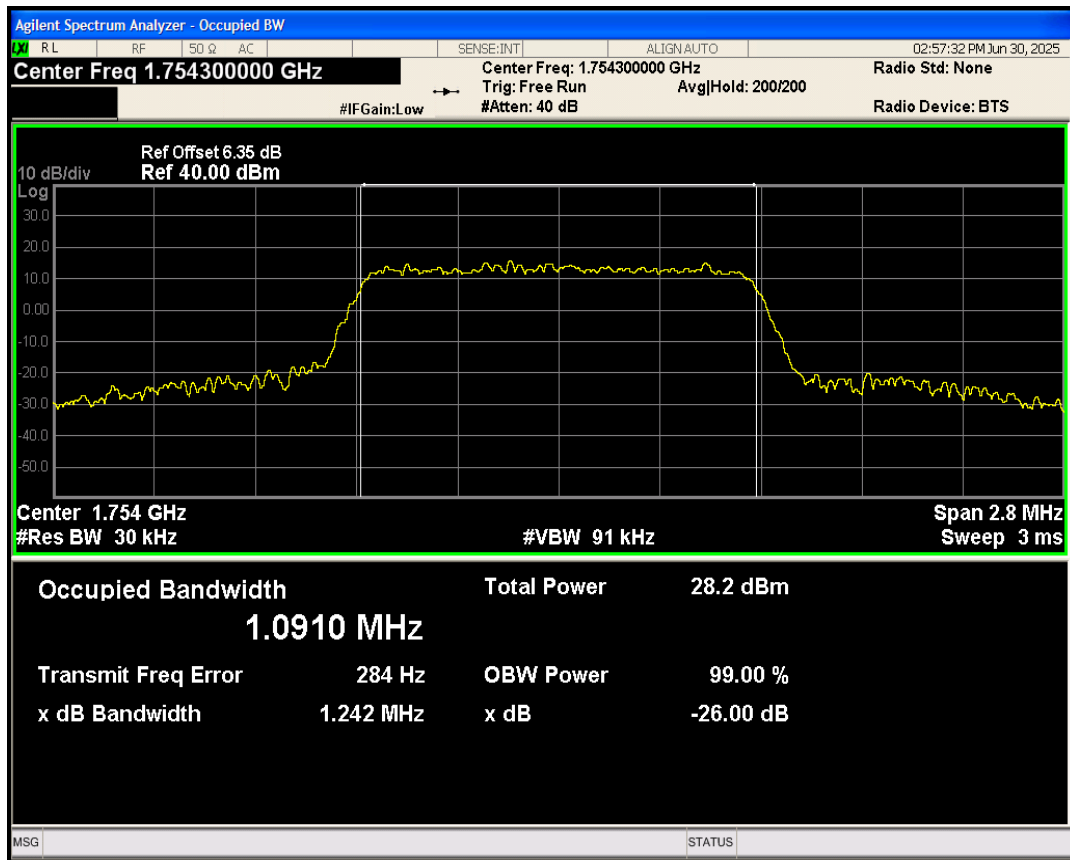


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

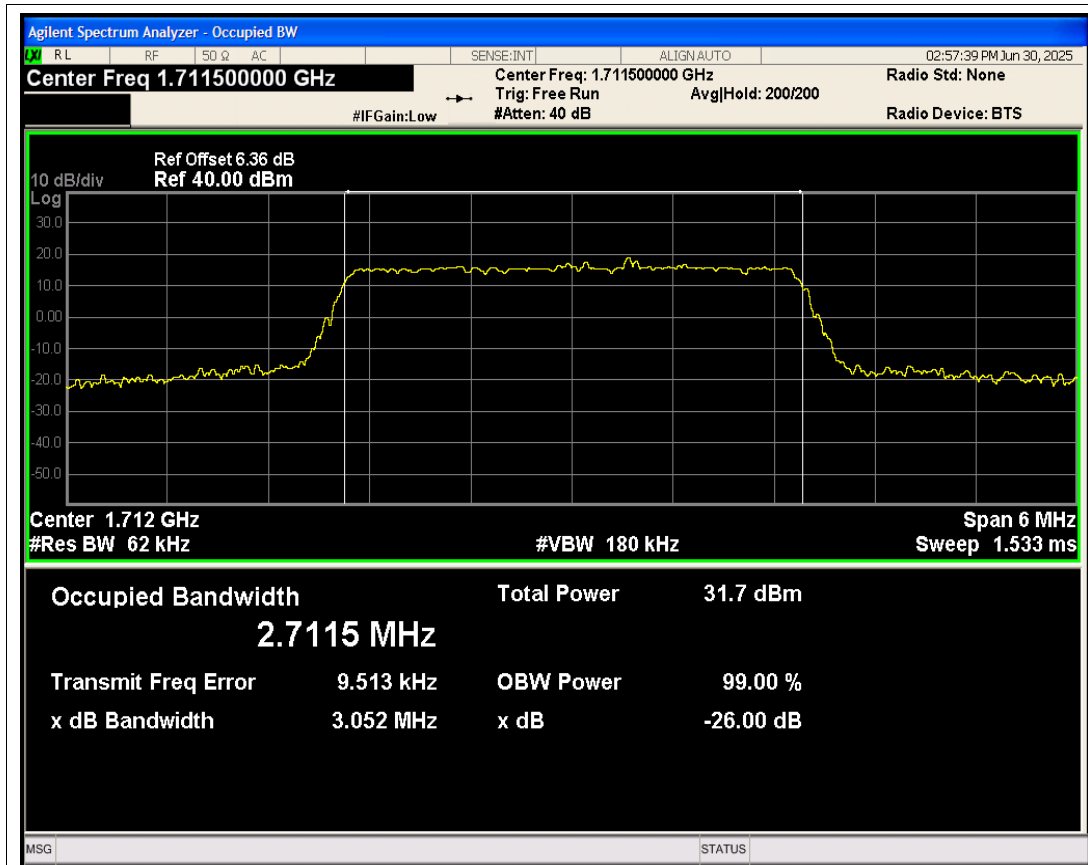




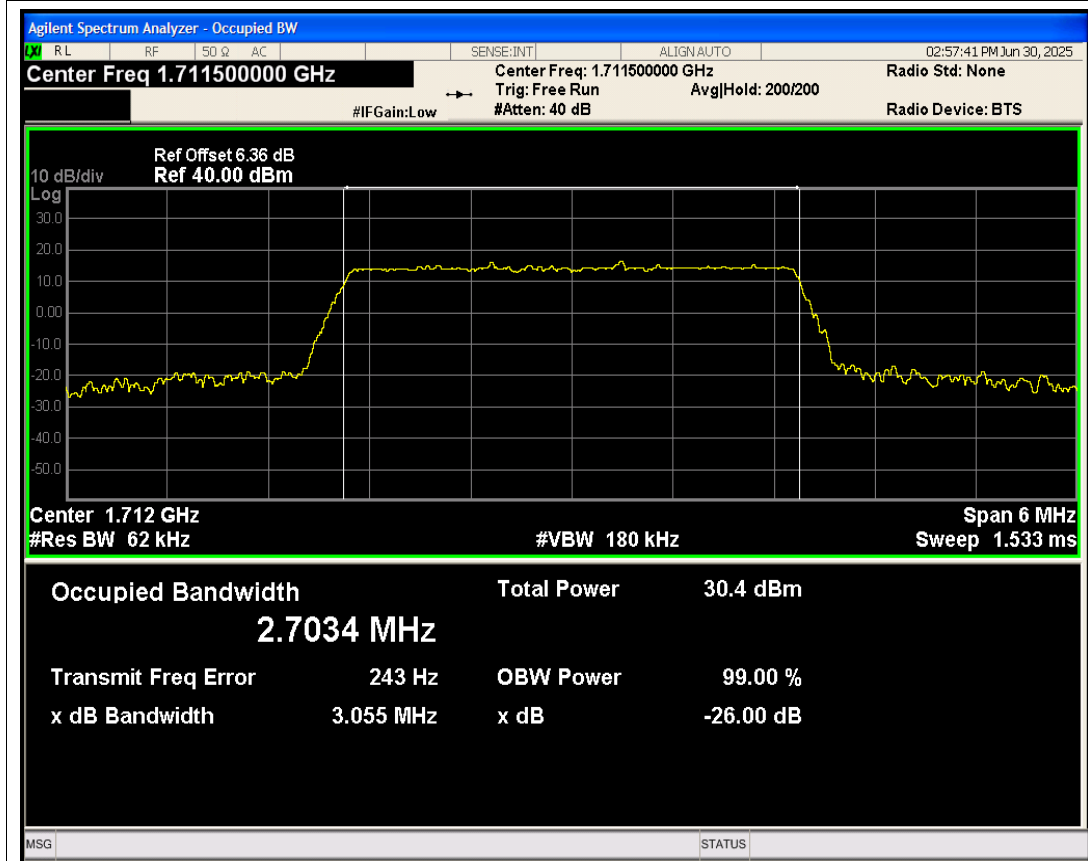
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

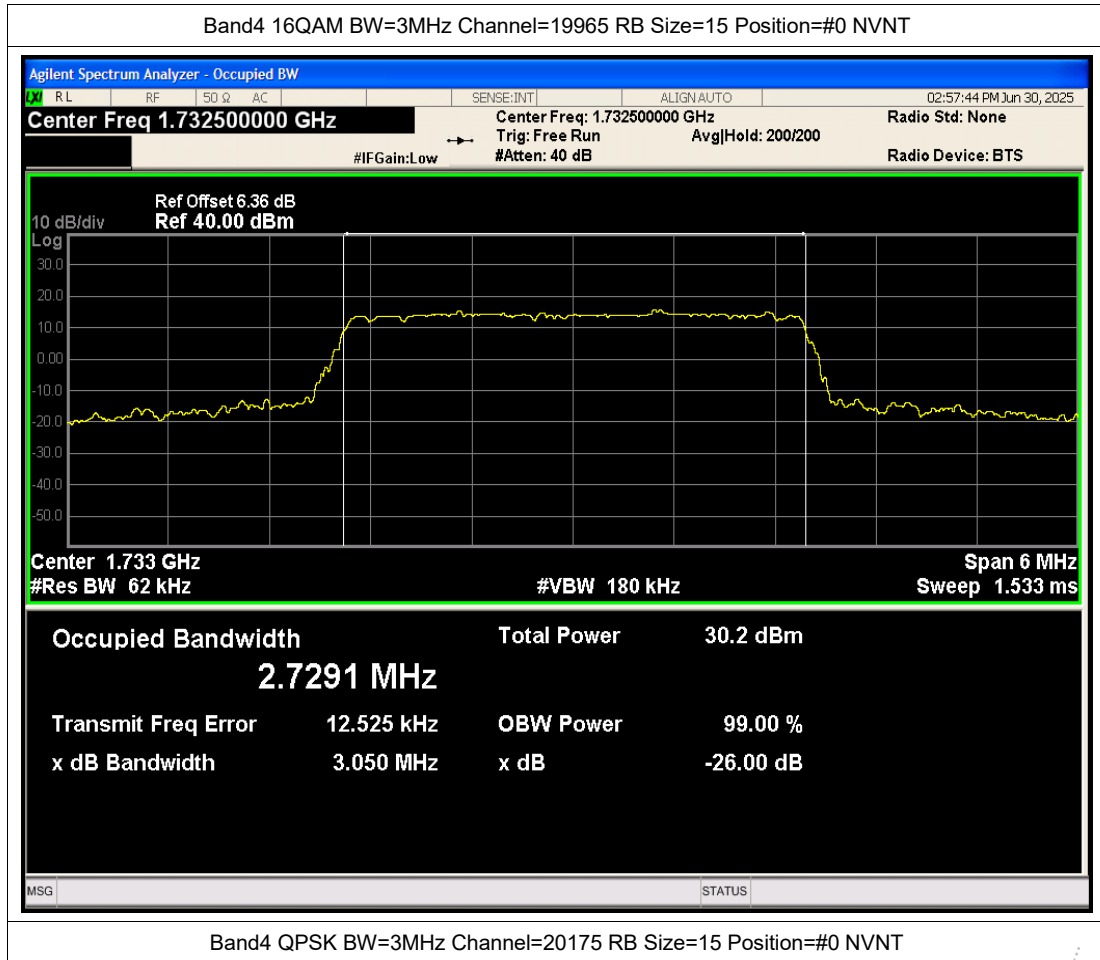


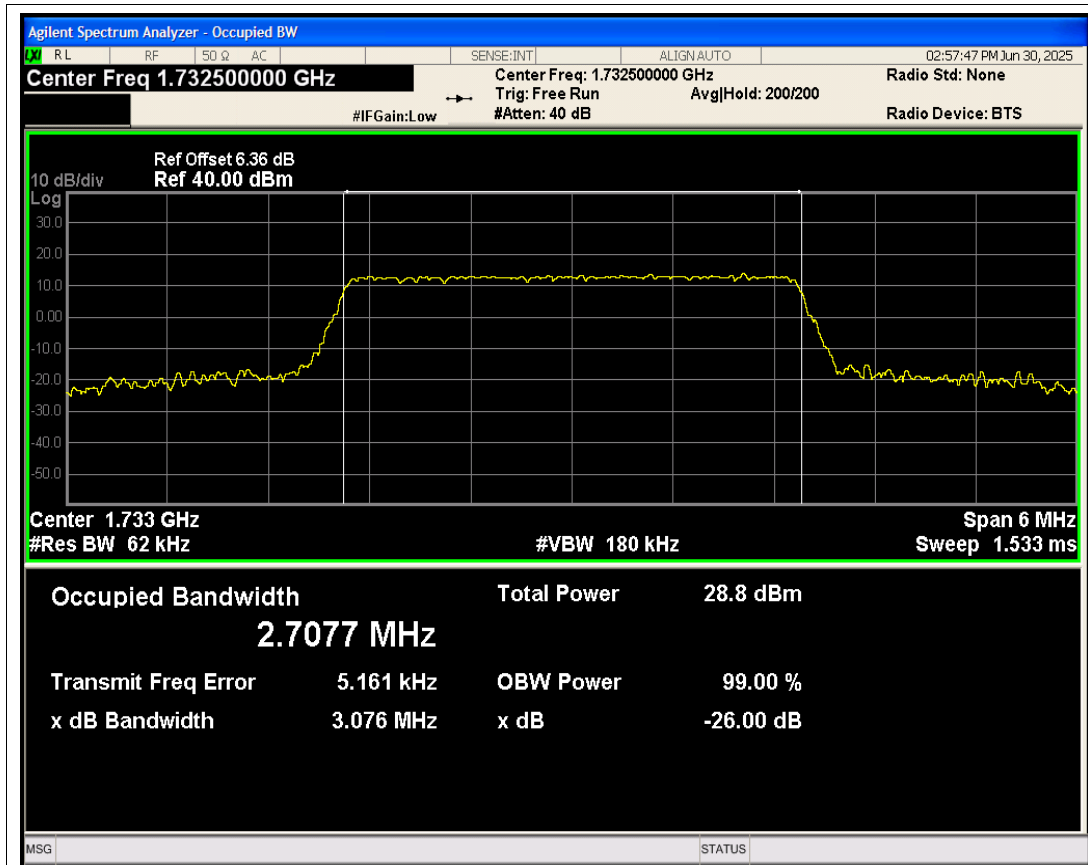
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



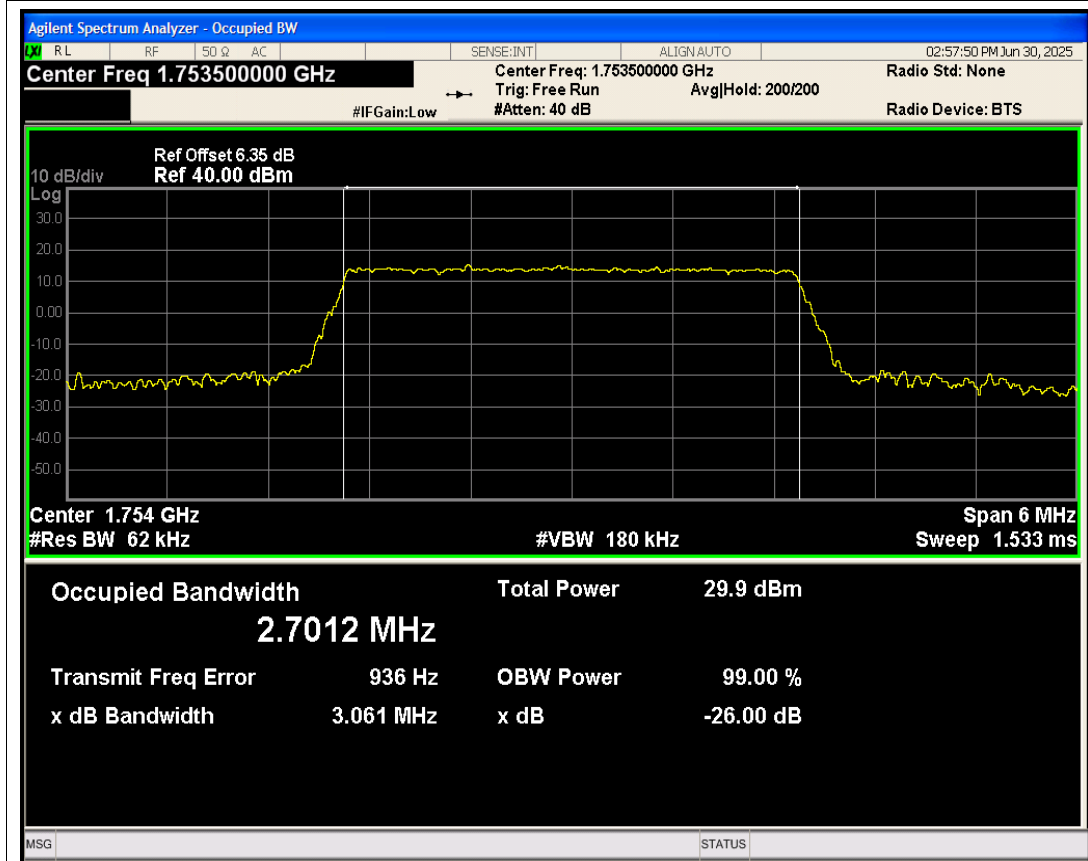
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT





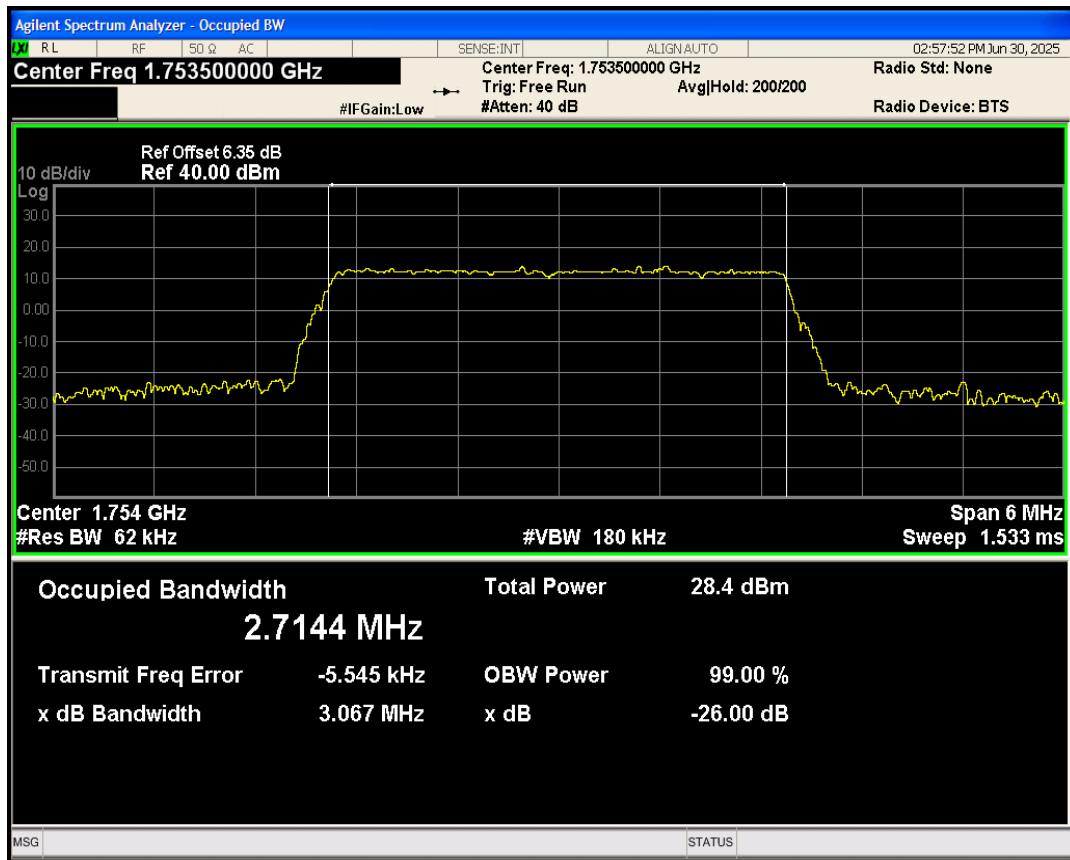


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

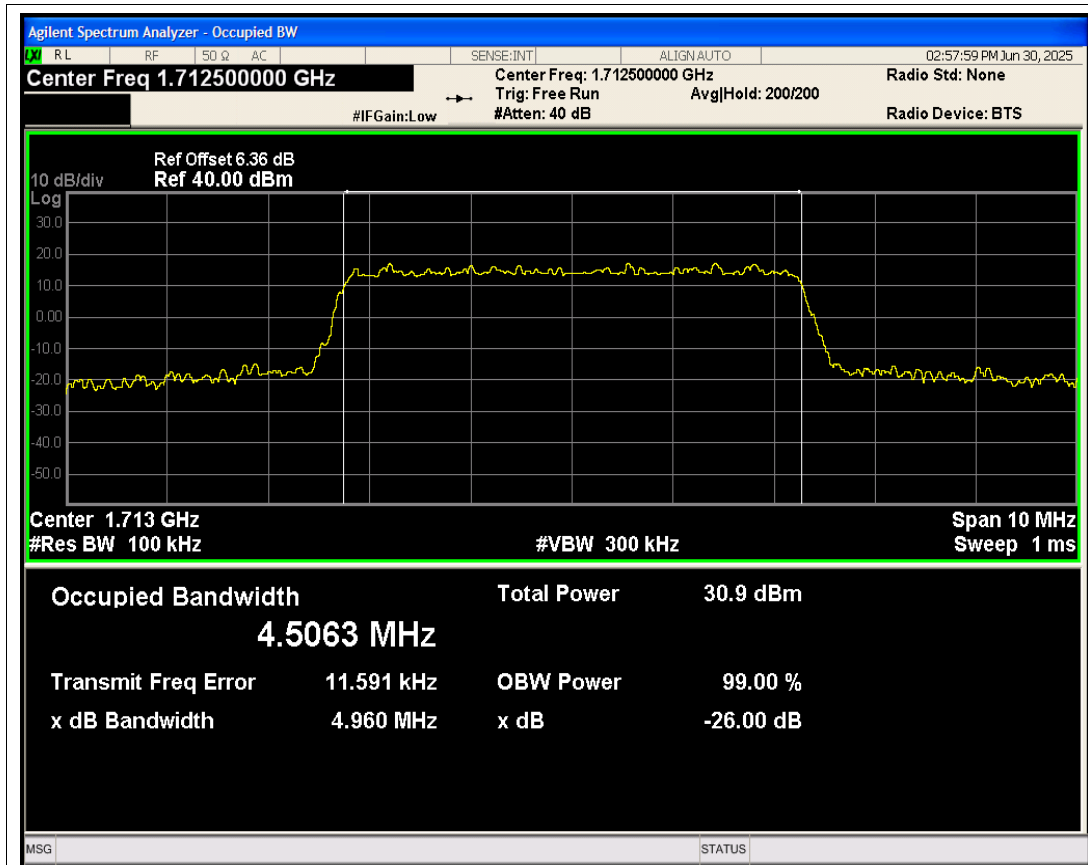




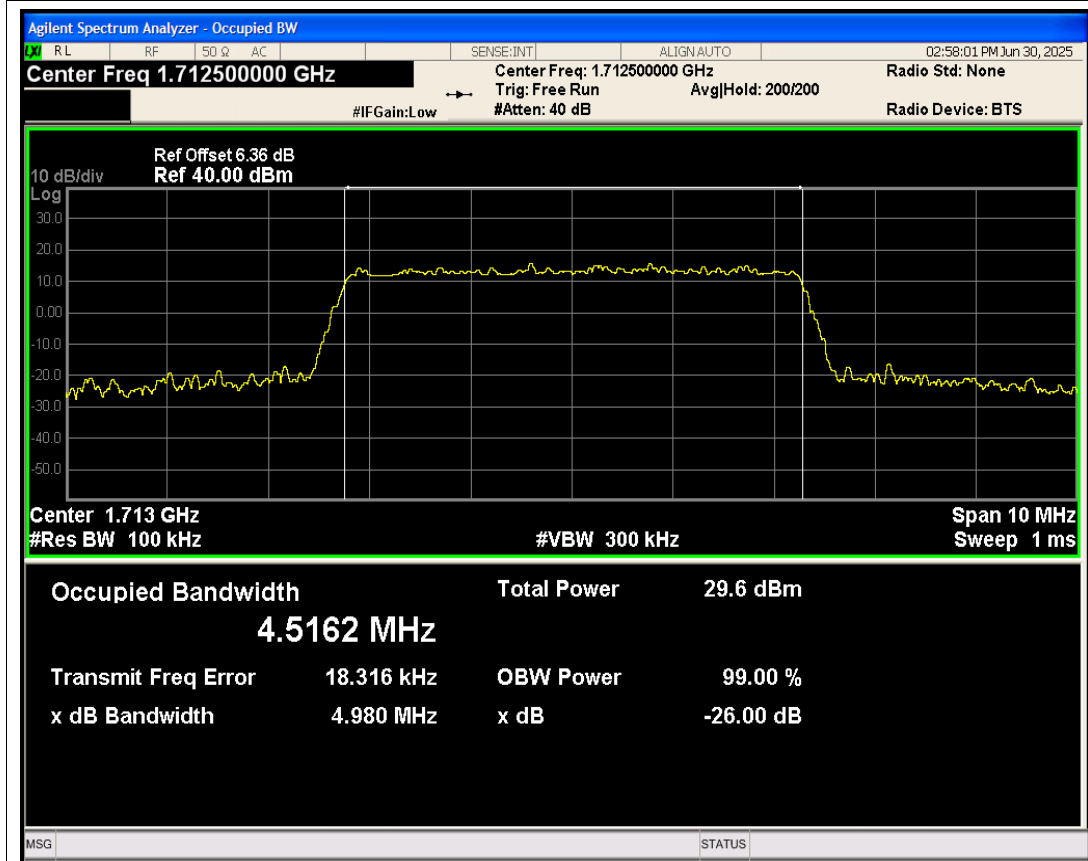
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

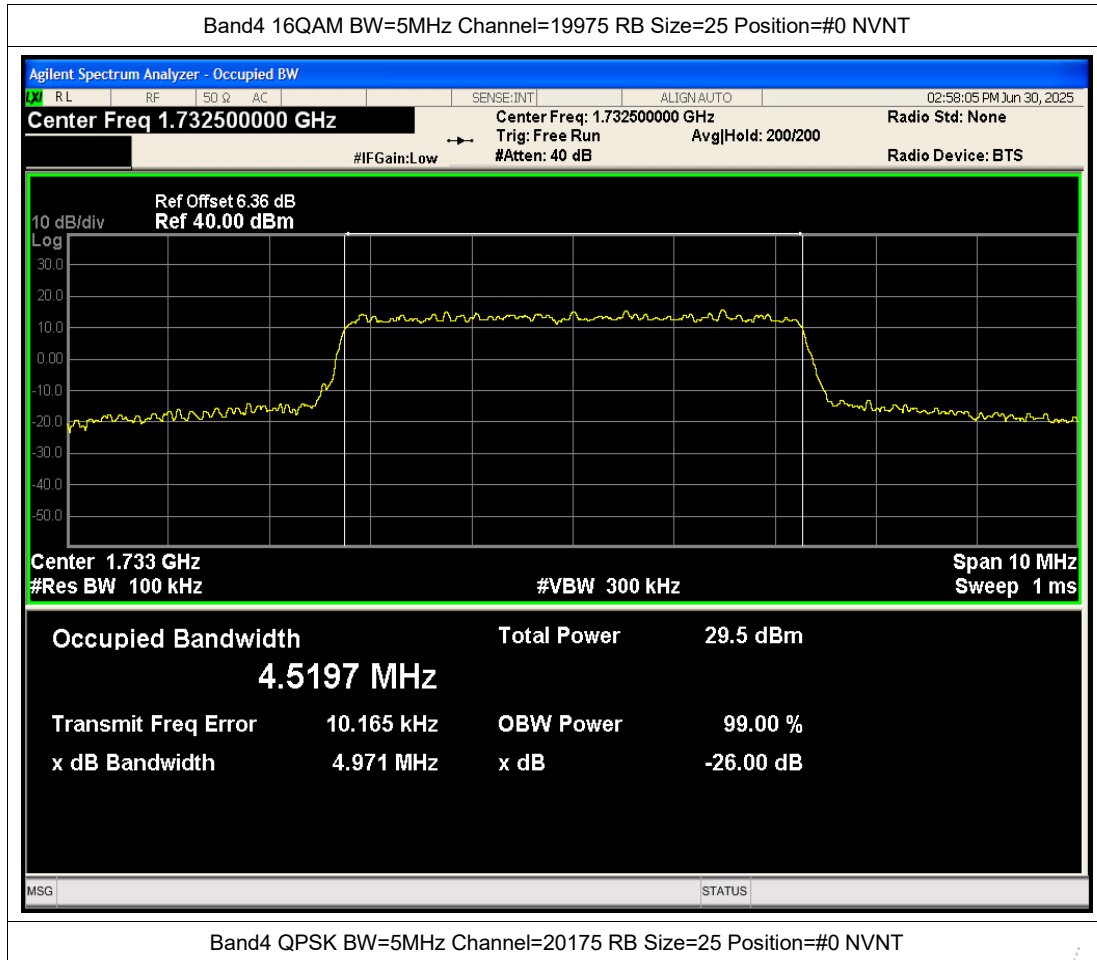


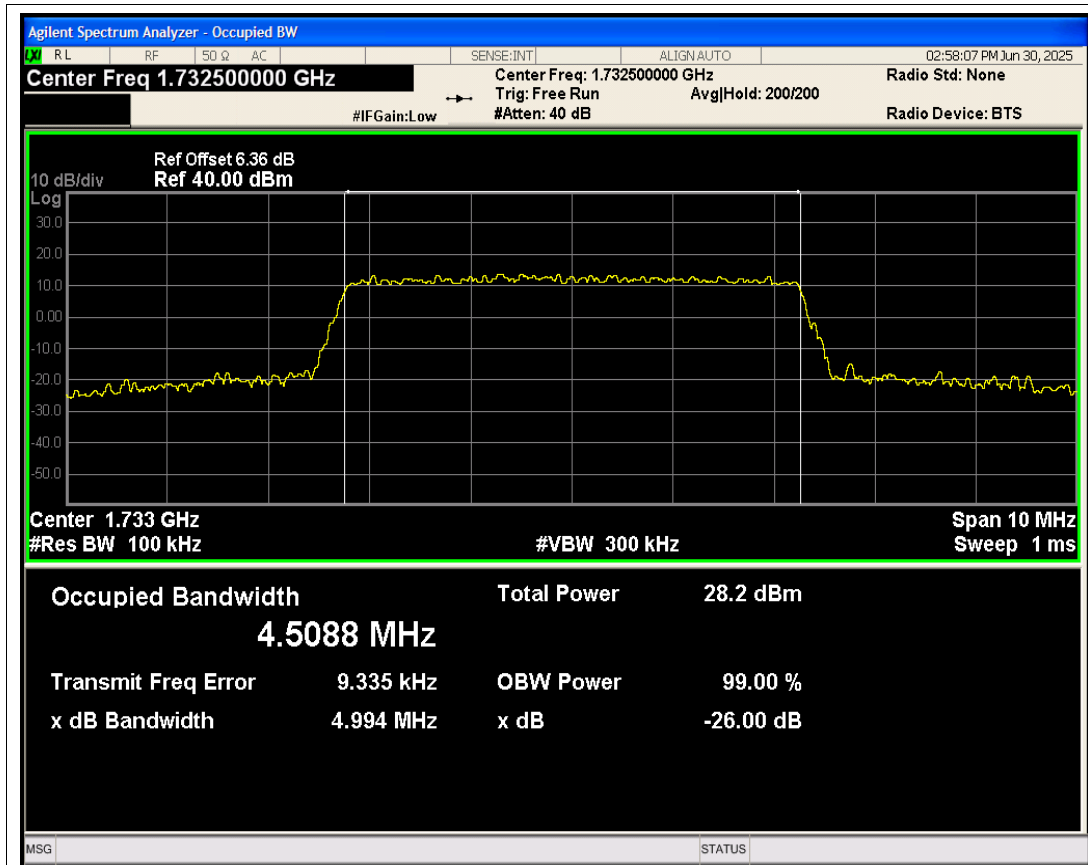
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



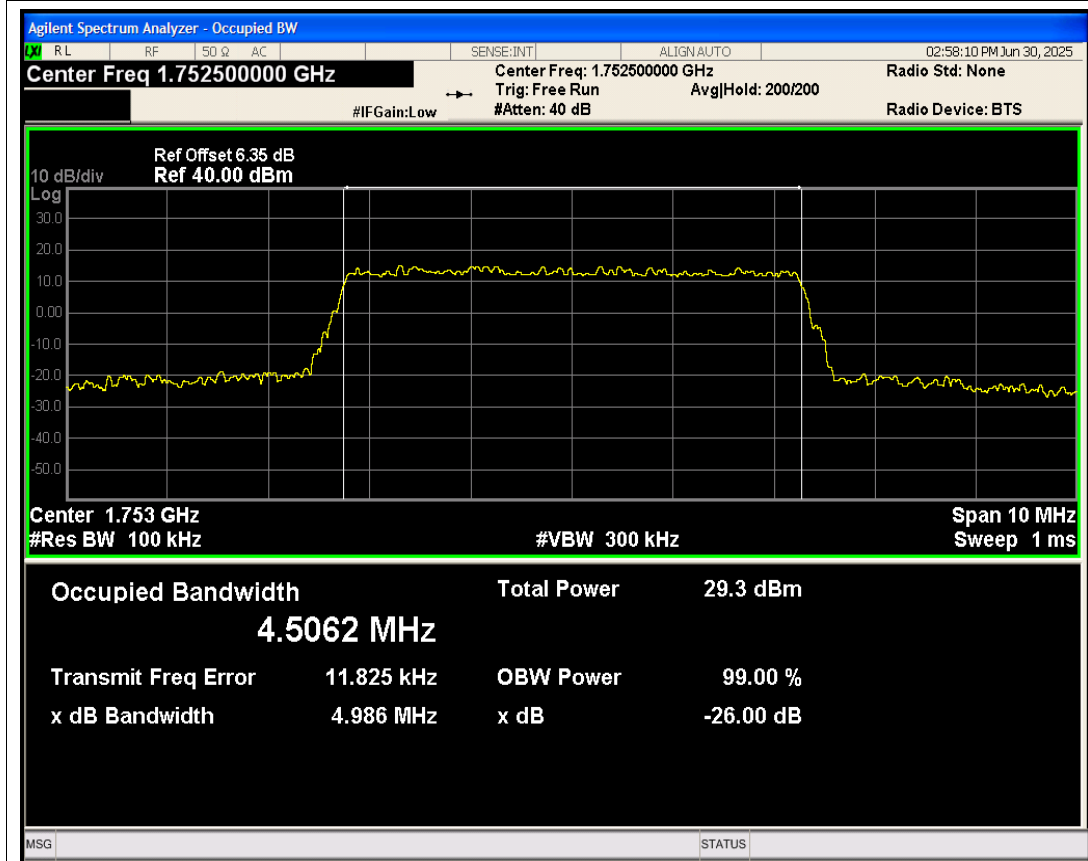
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT





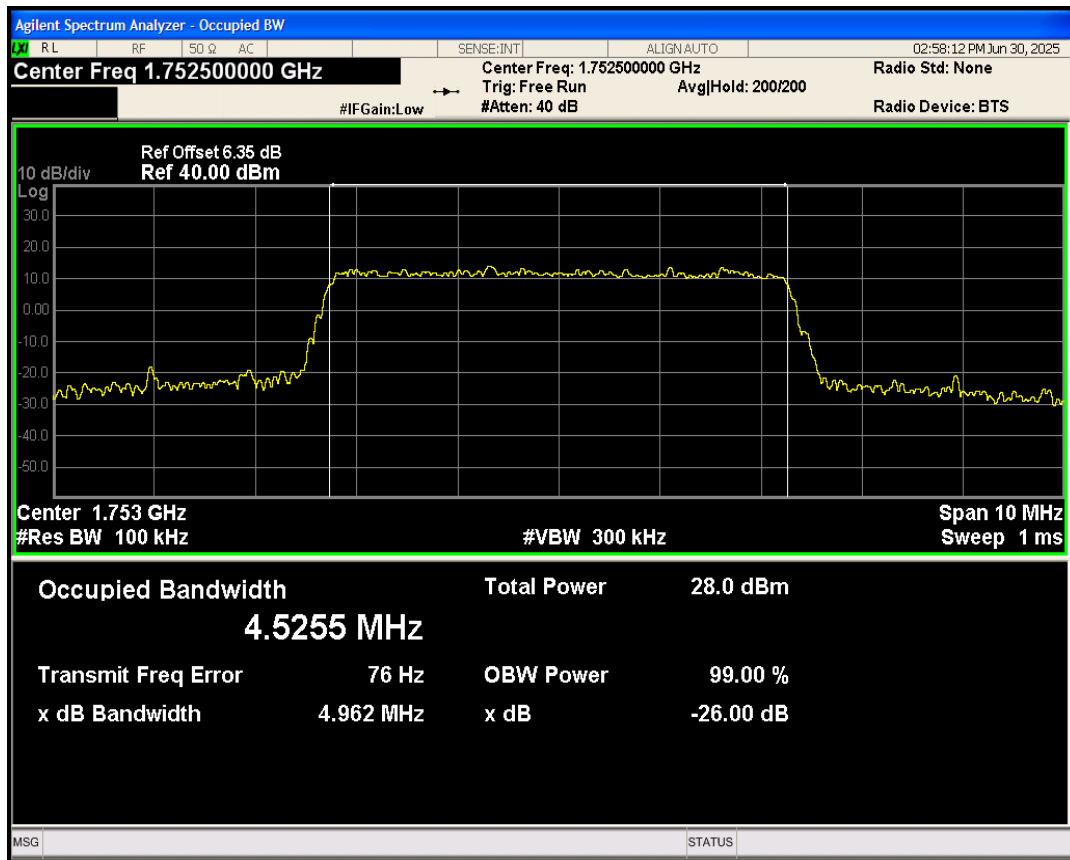


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

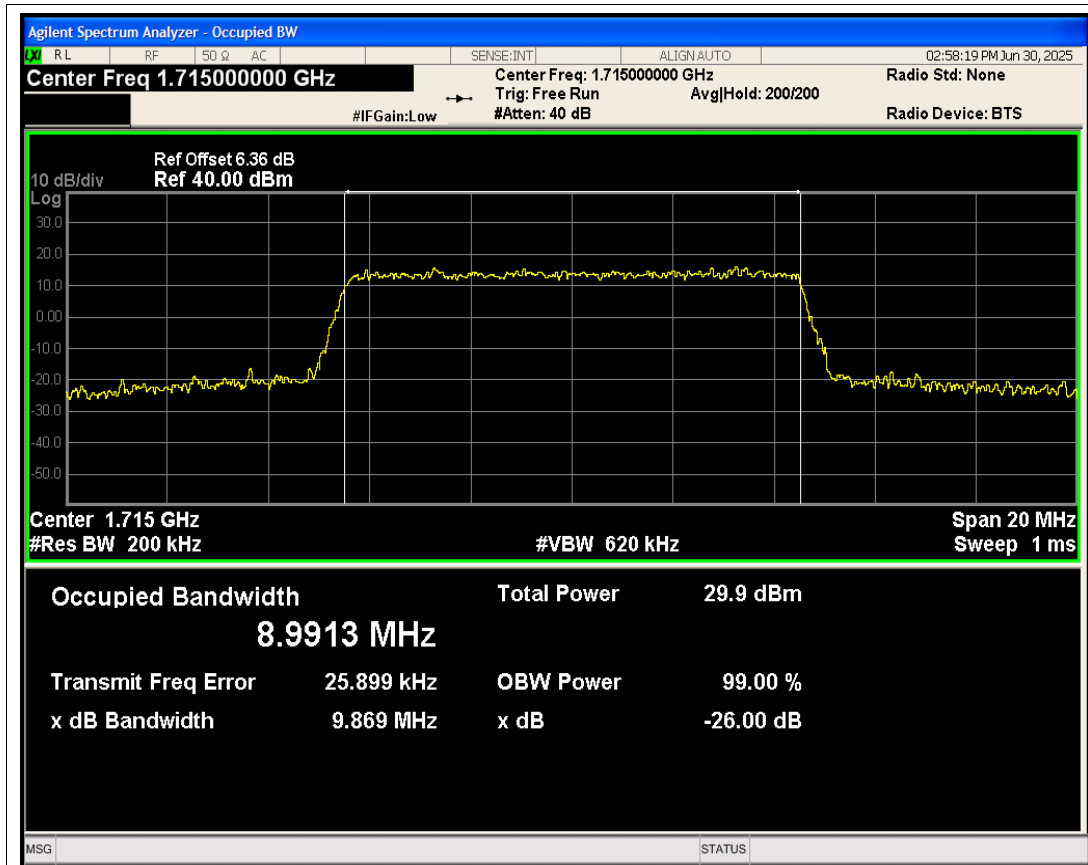




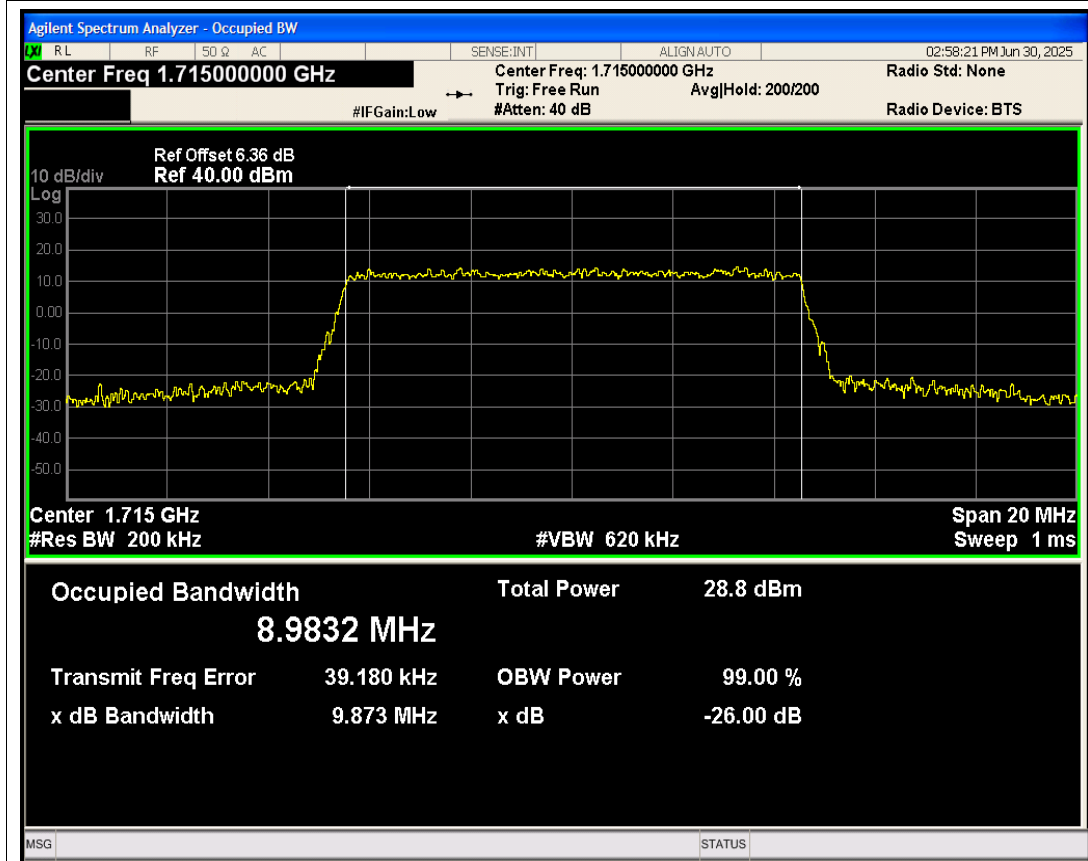
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

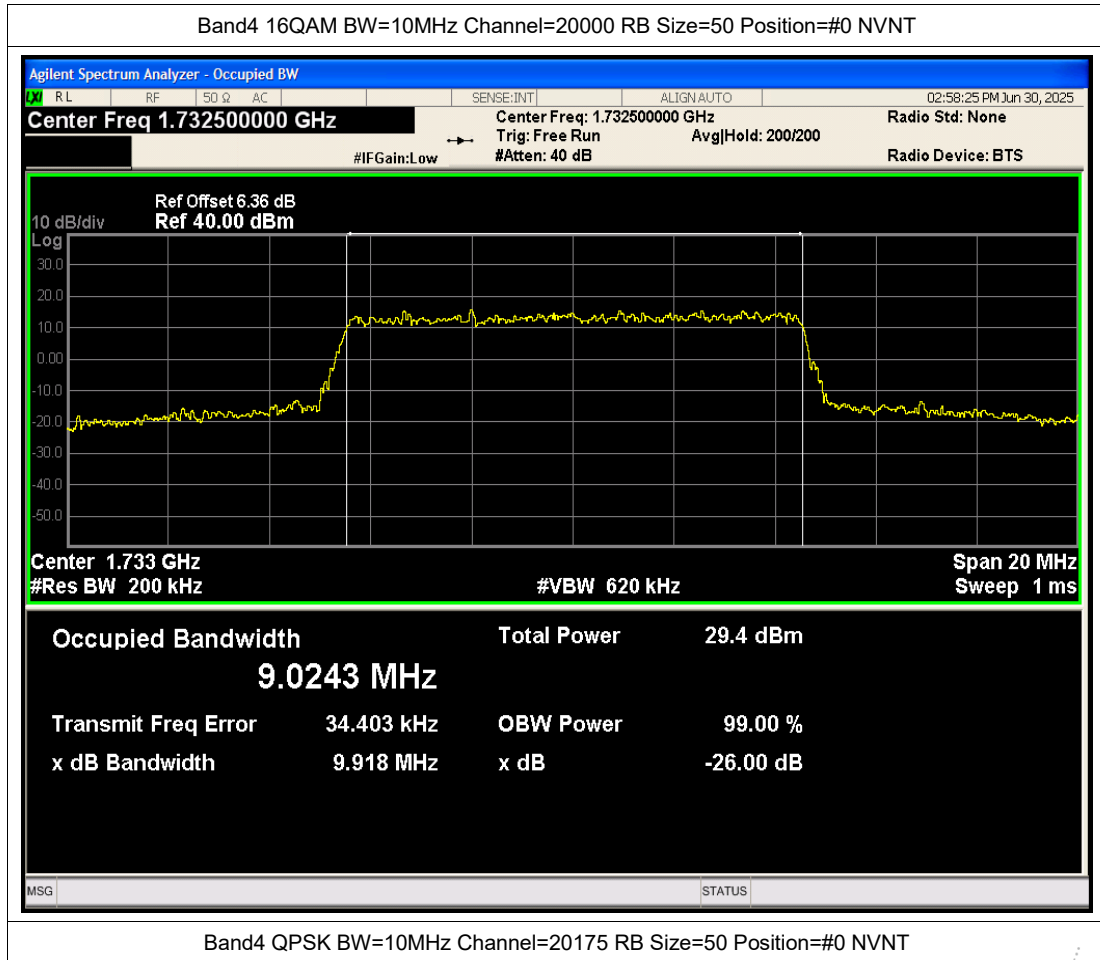


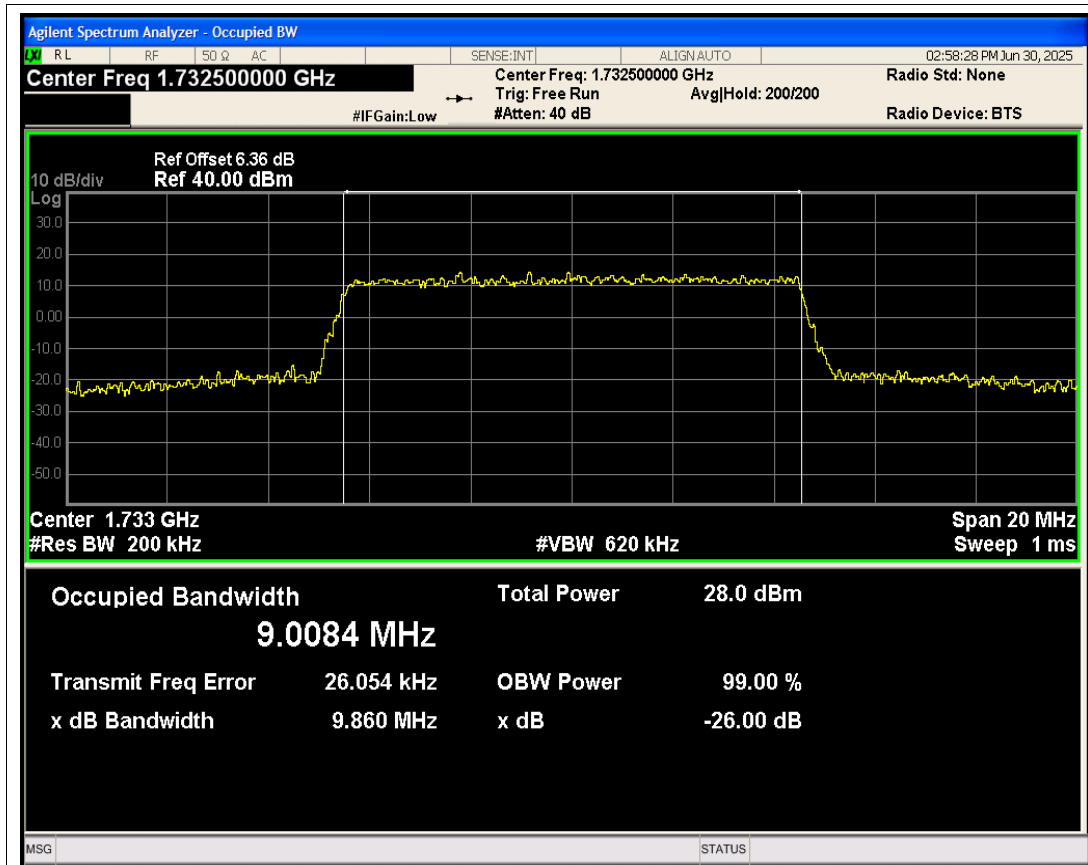
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



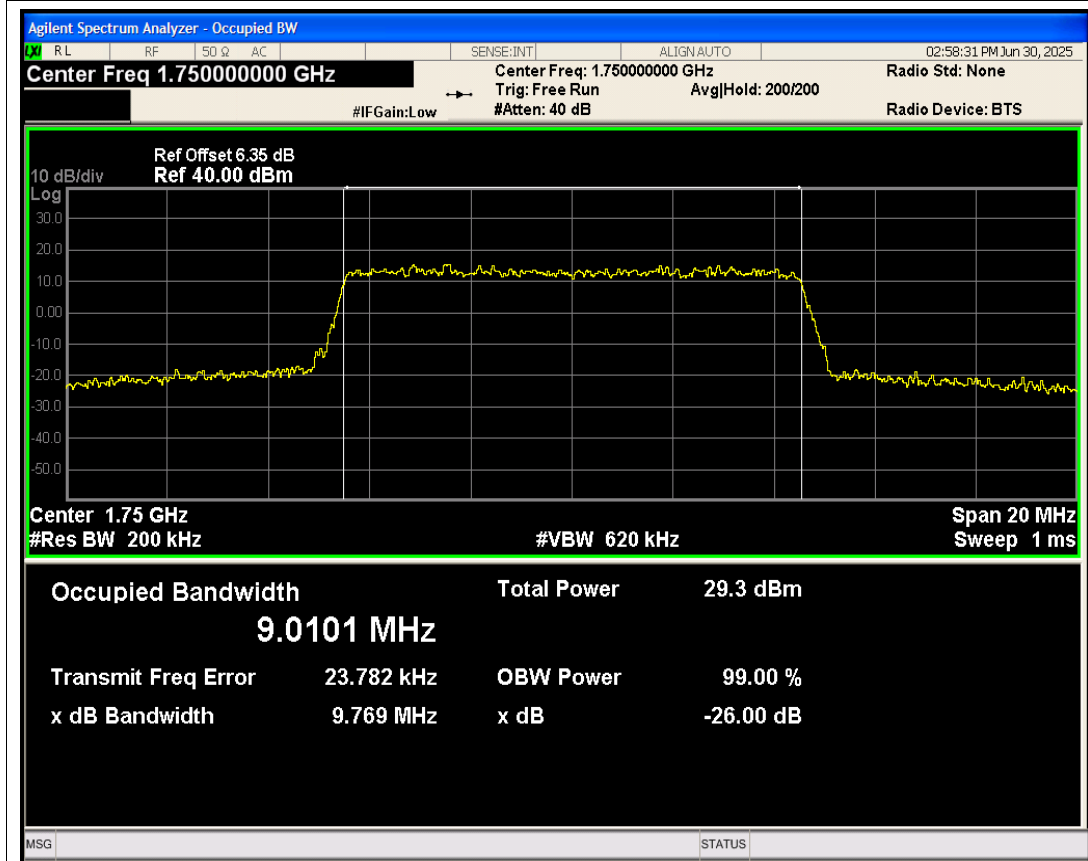
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT





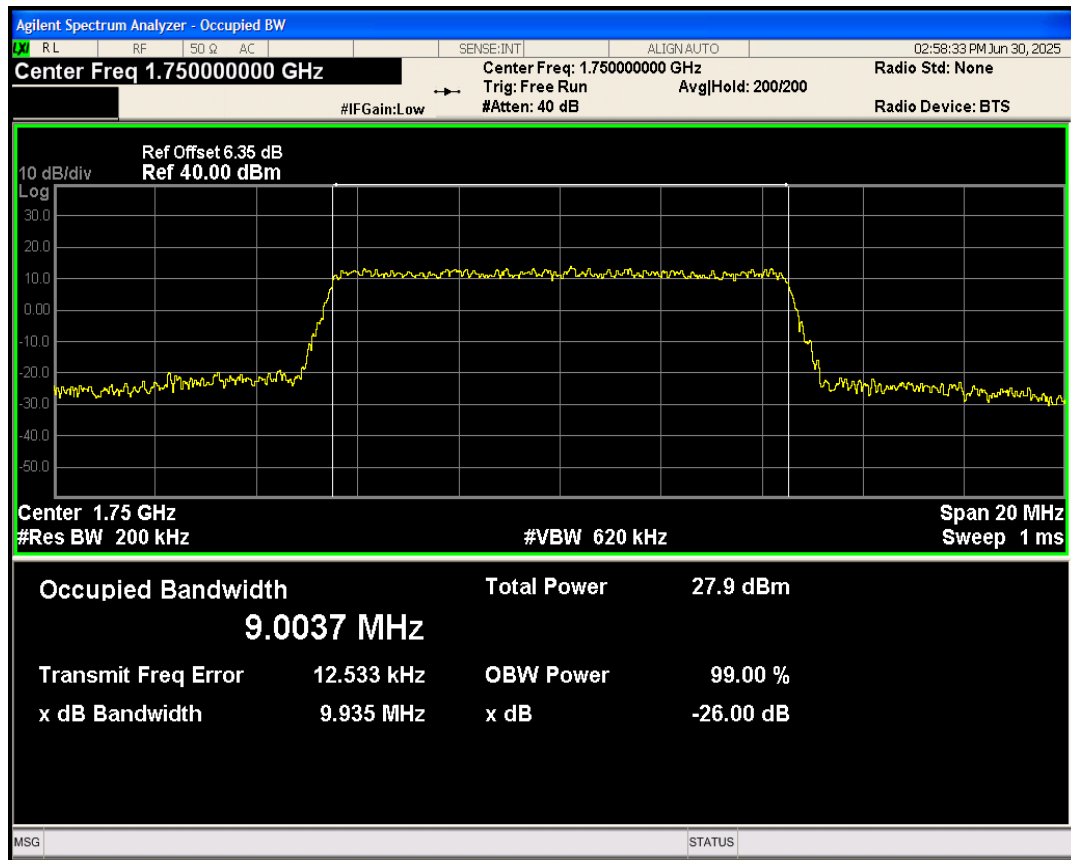


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

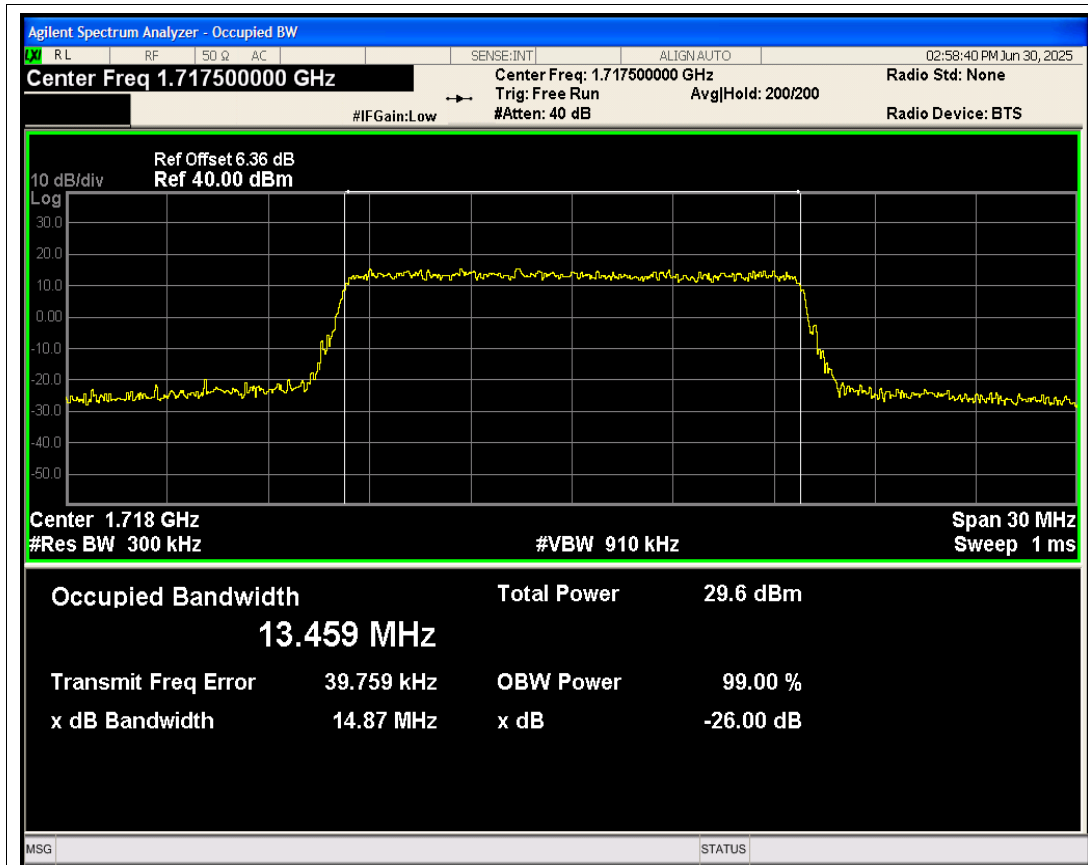




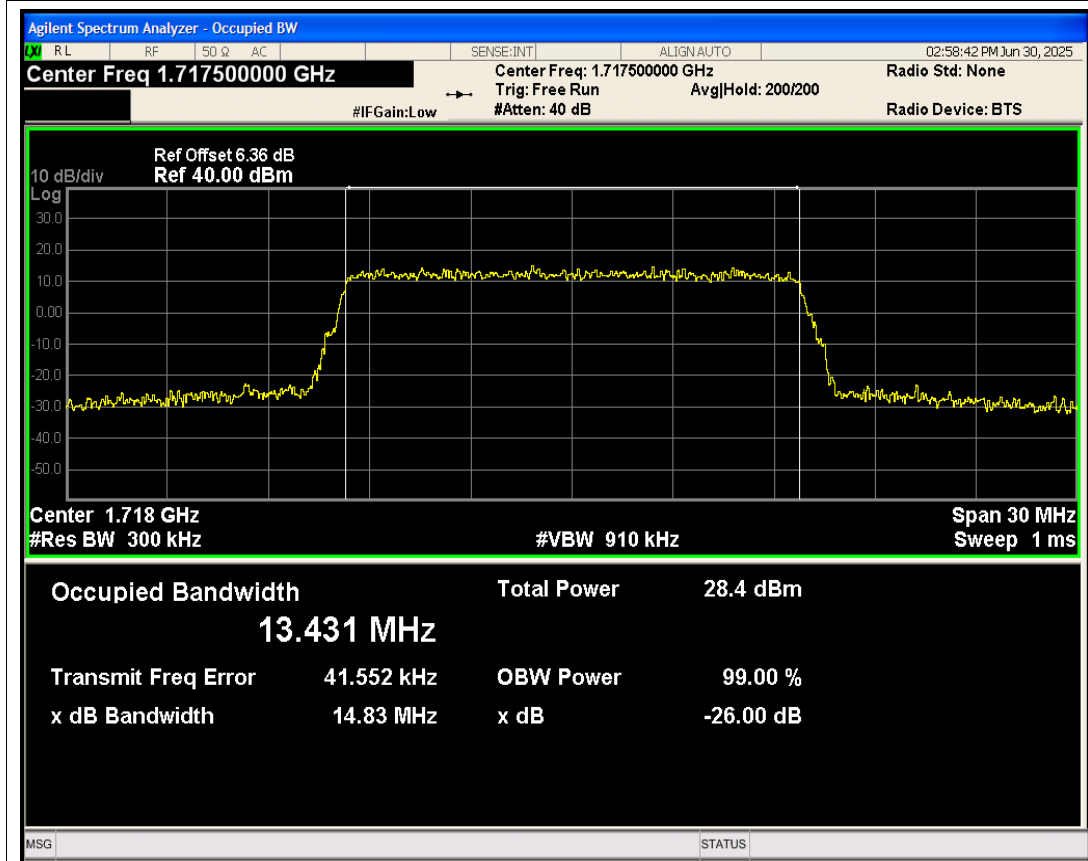
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



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

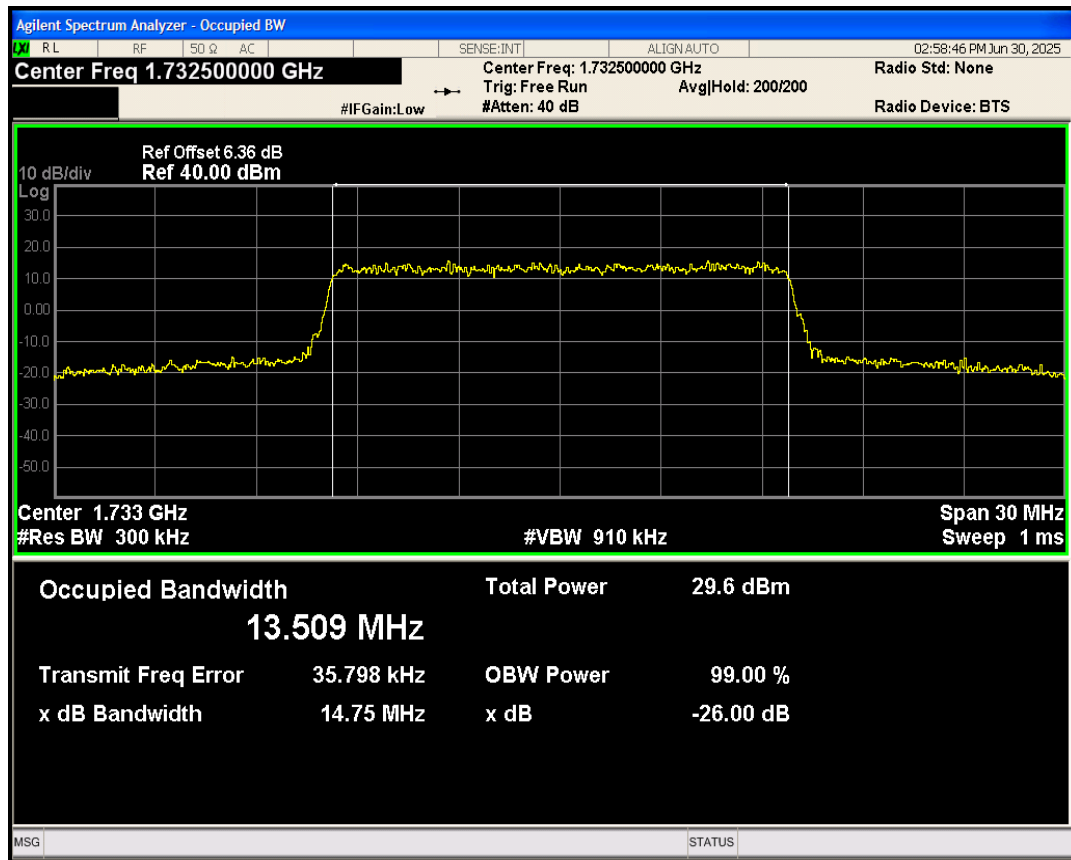


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

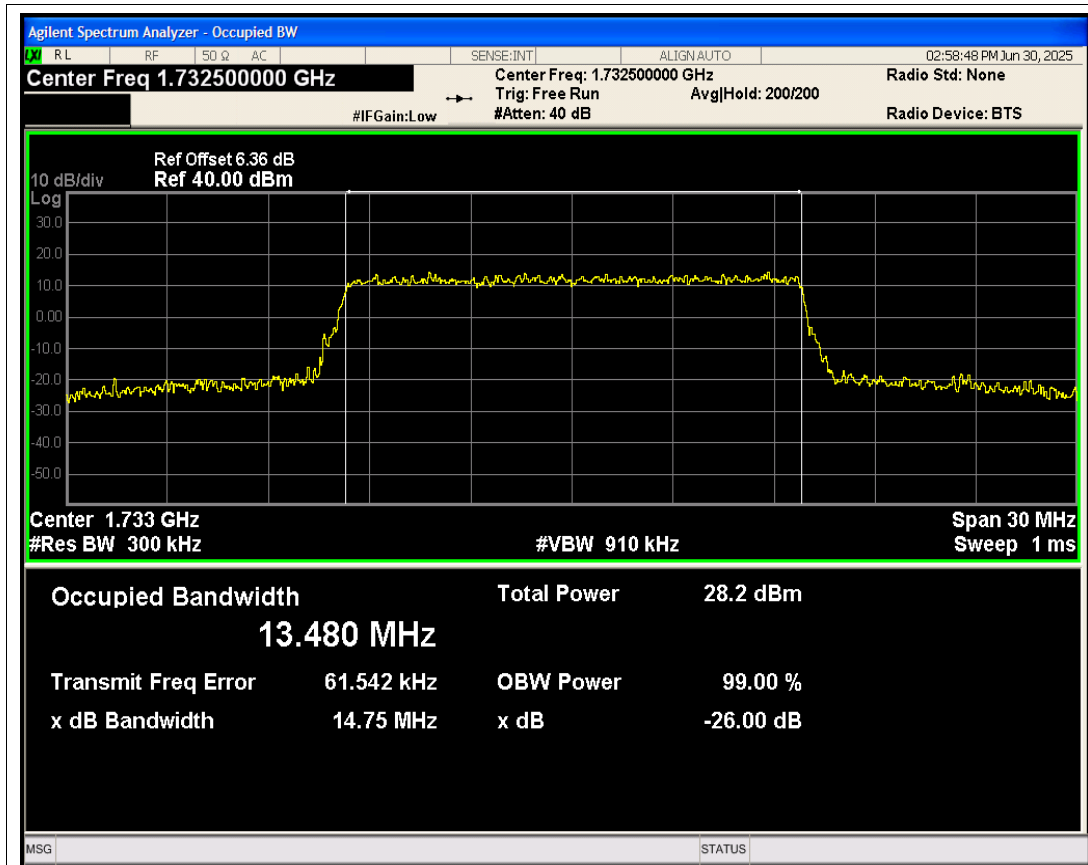




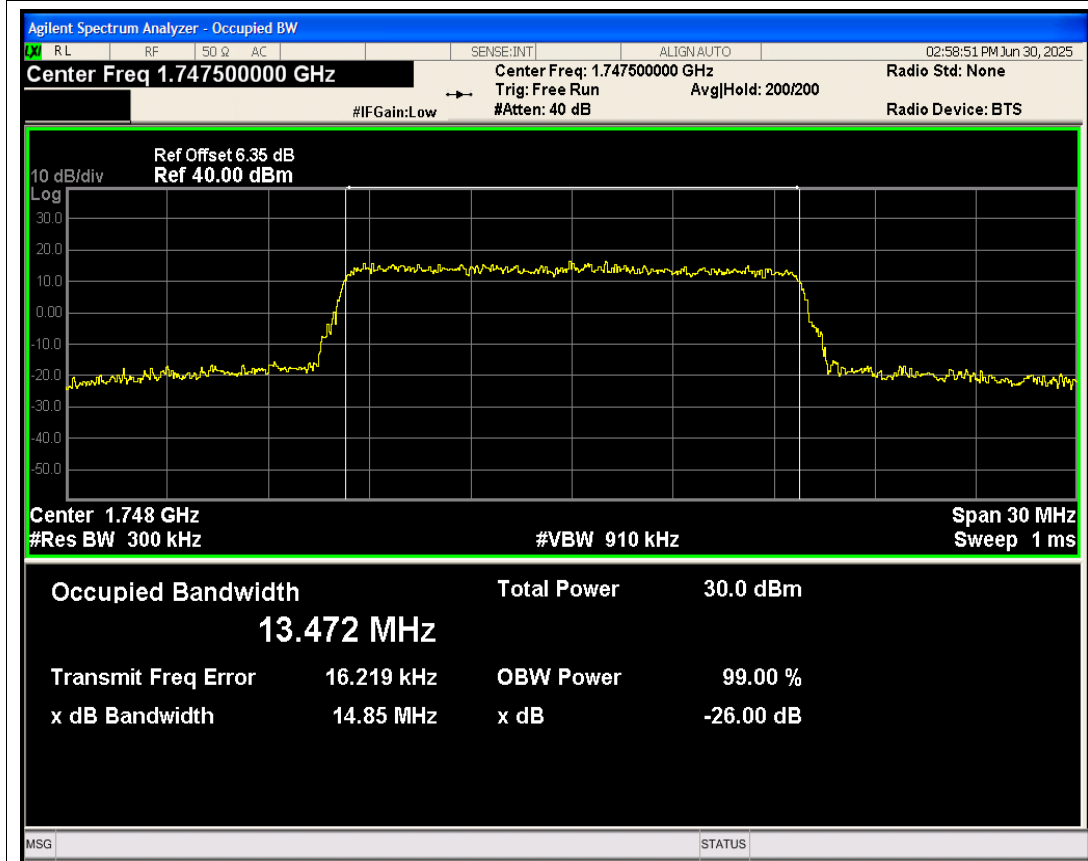
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

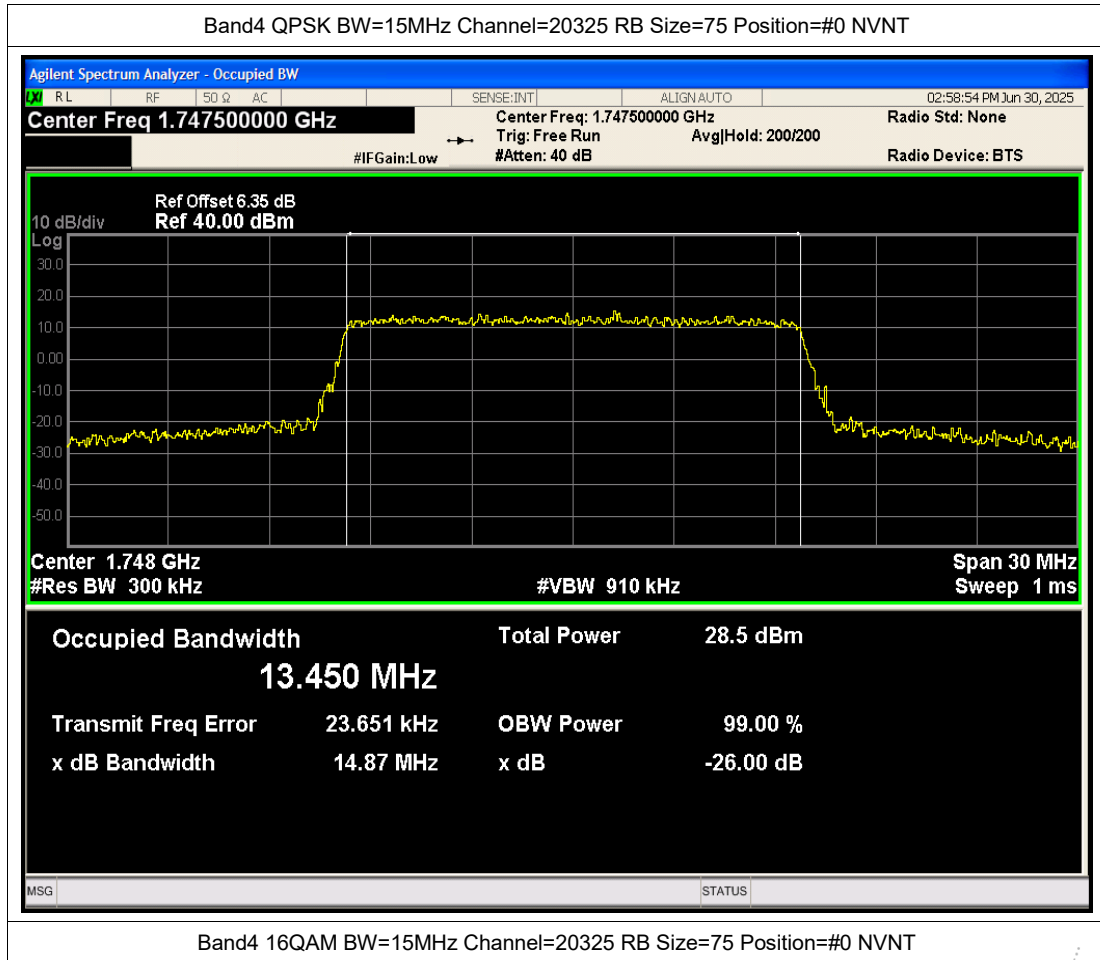


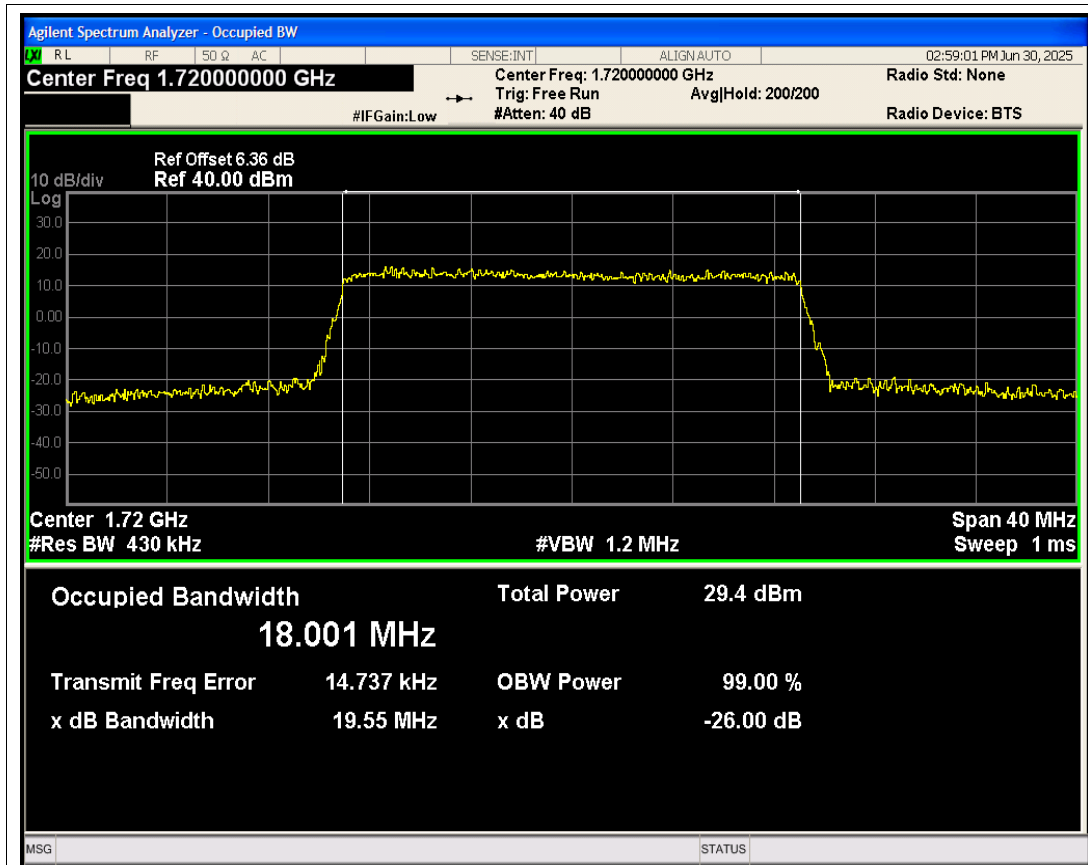
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



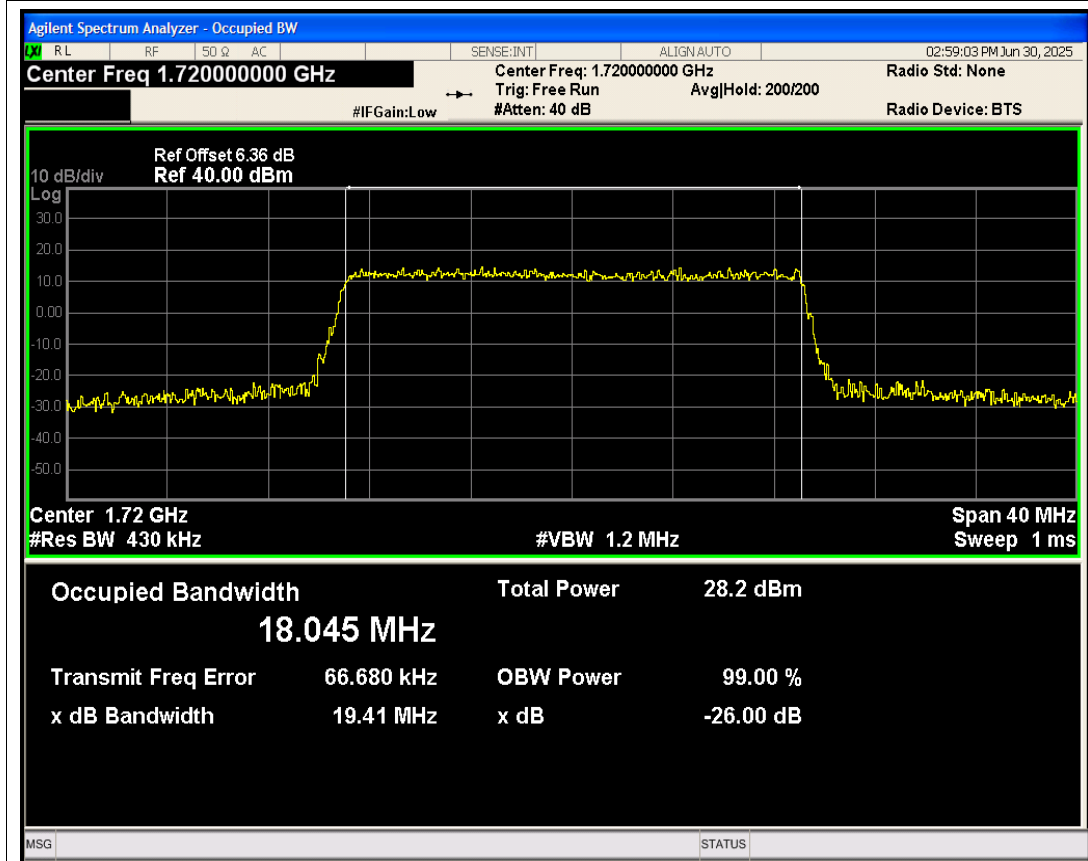
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

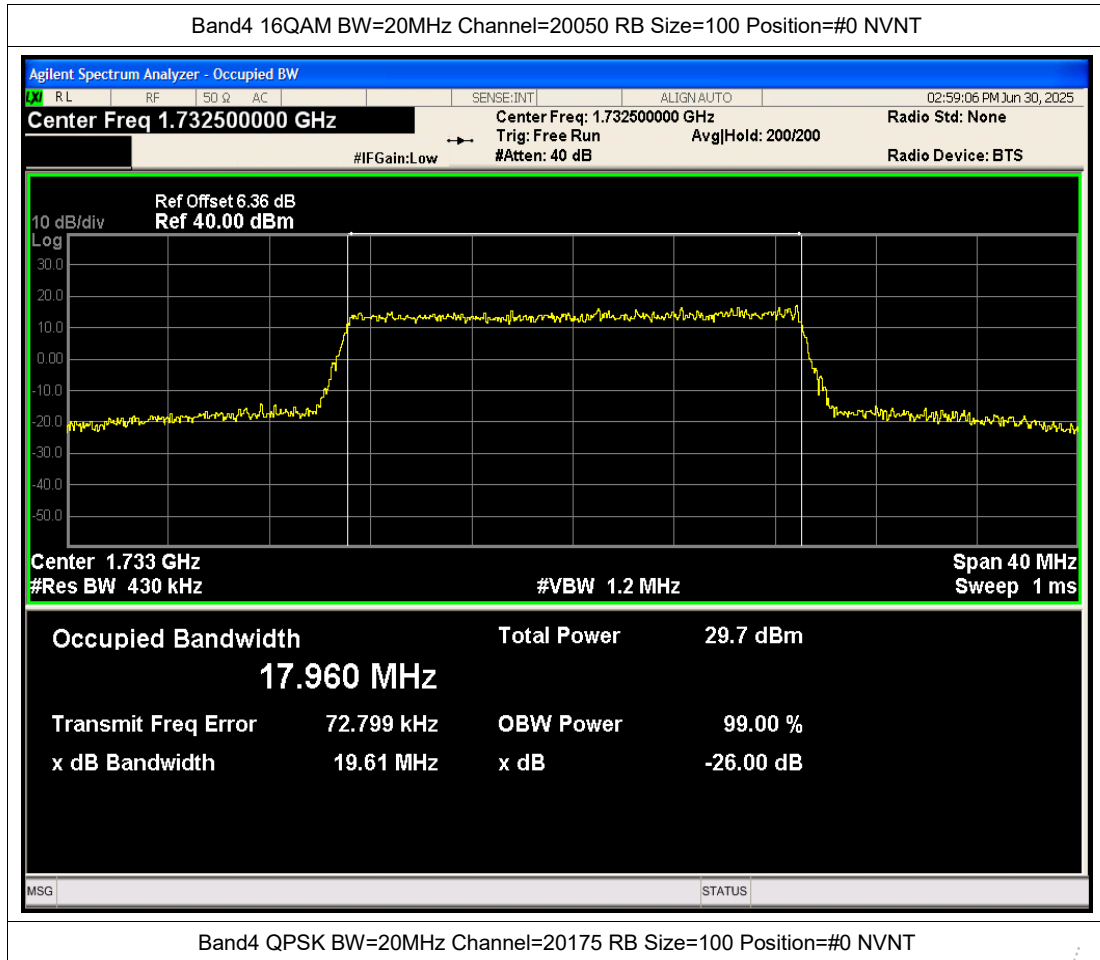


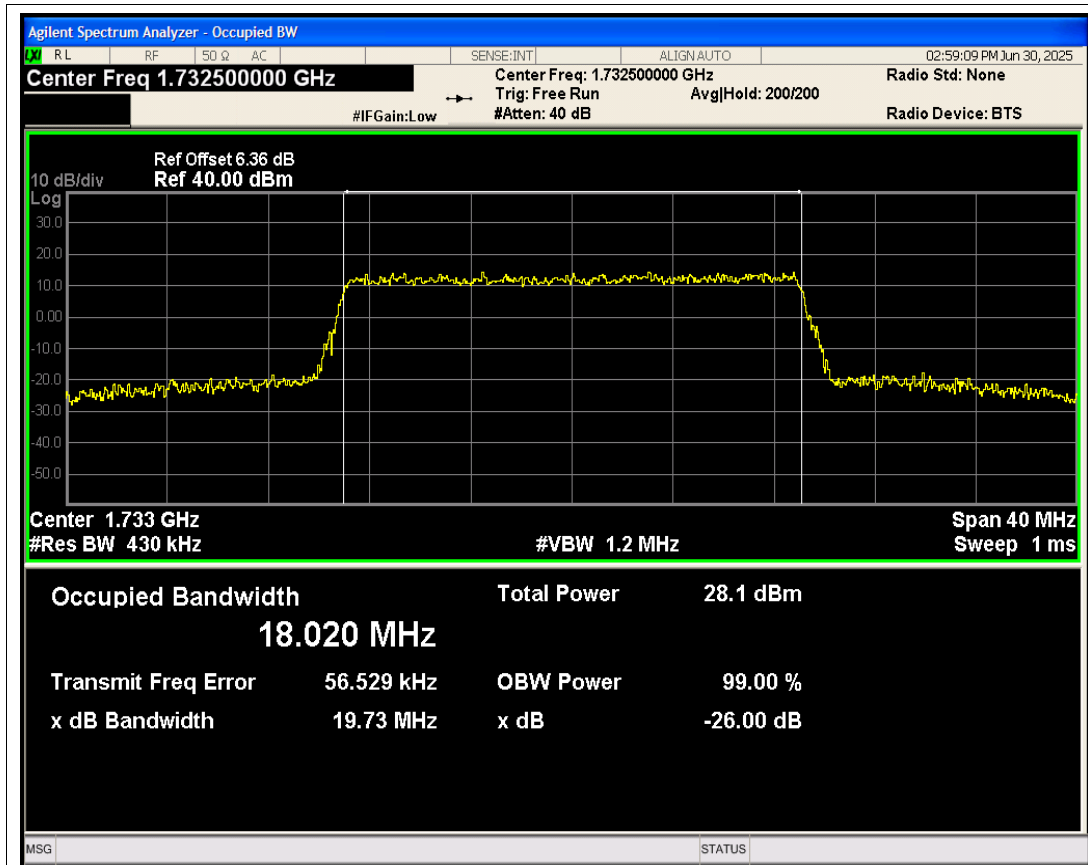




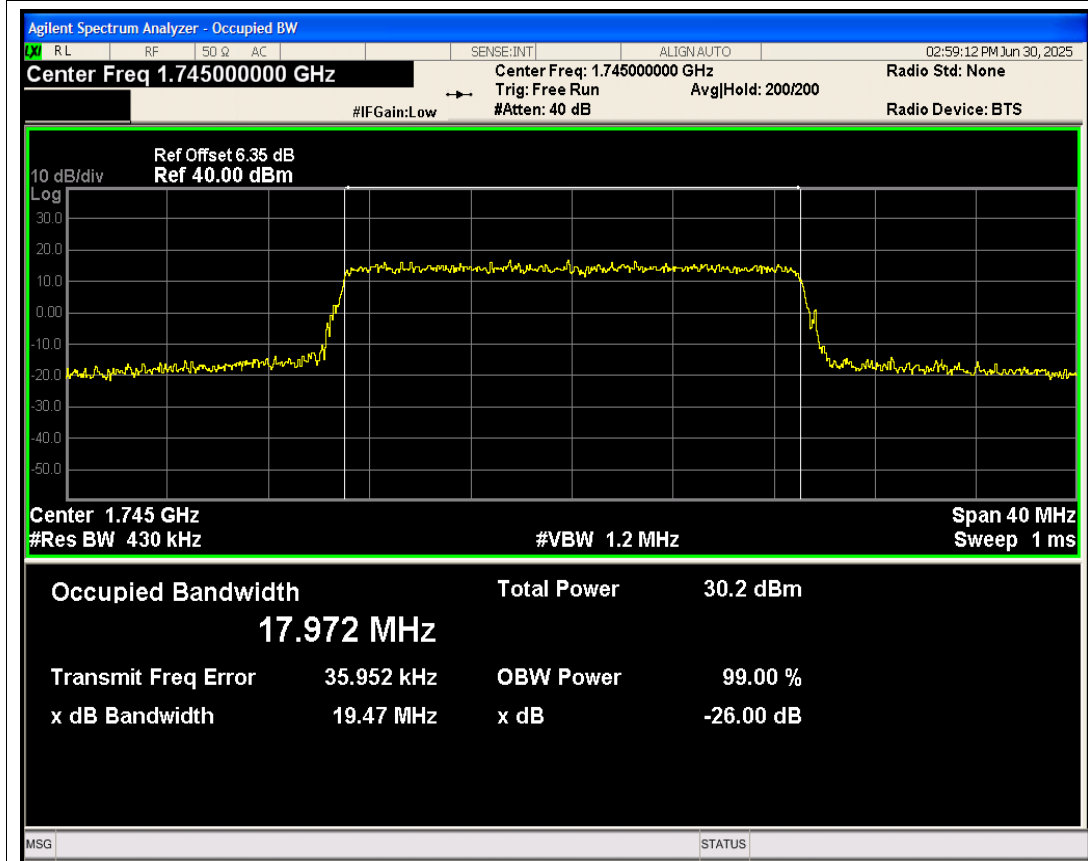
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

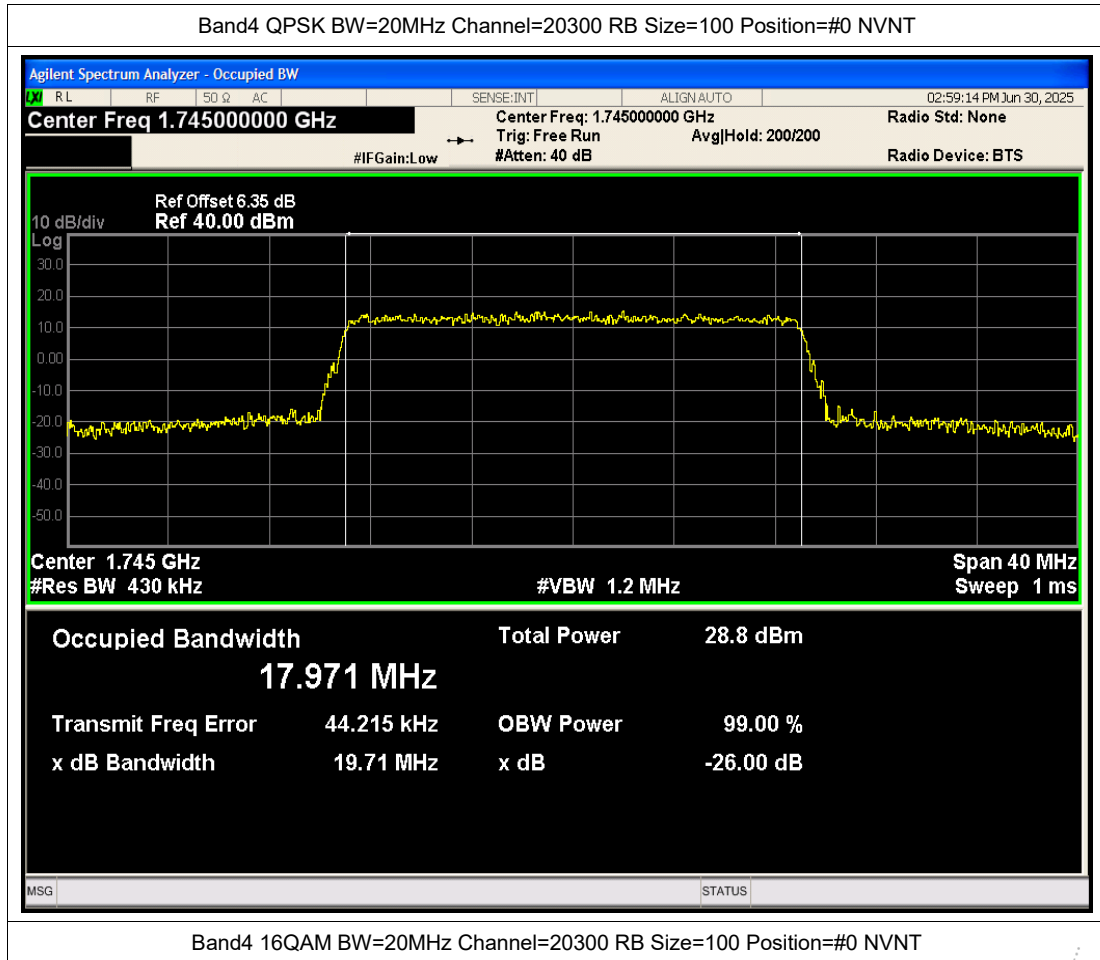






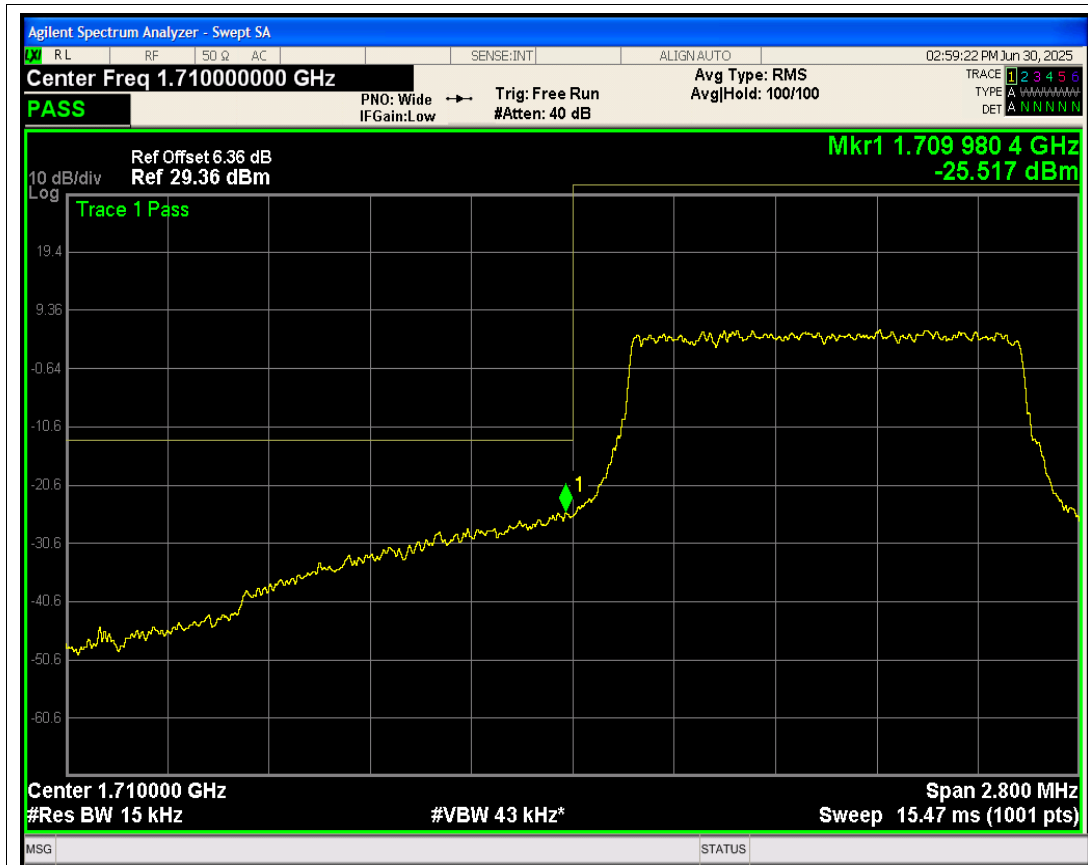
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





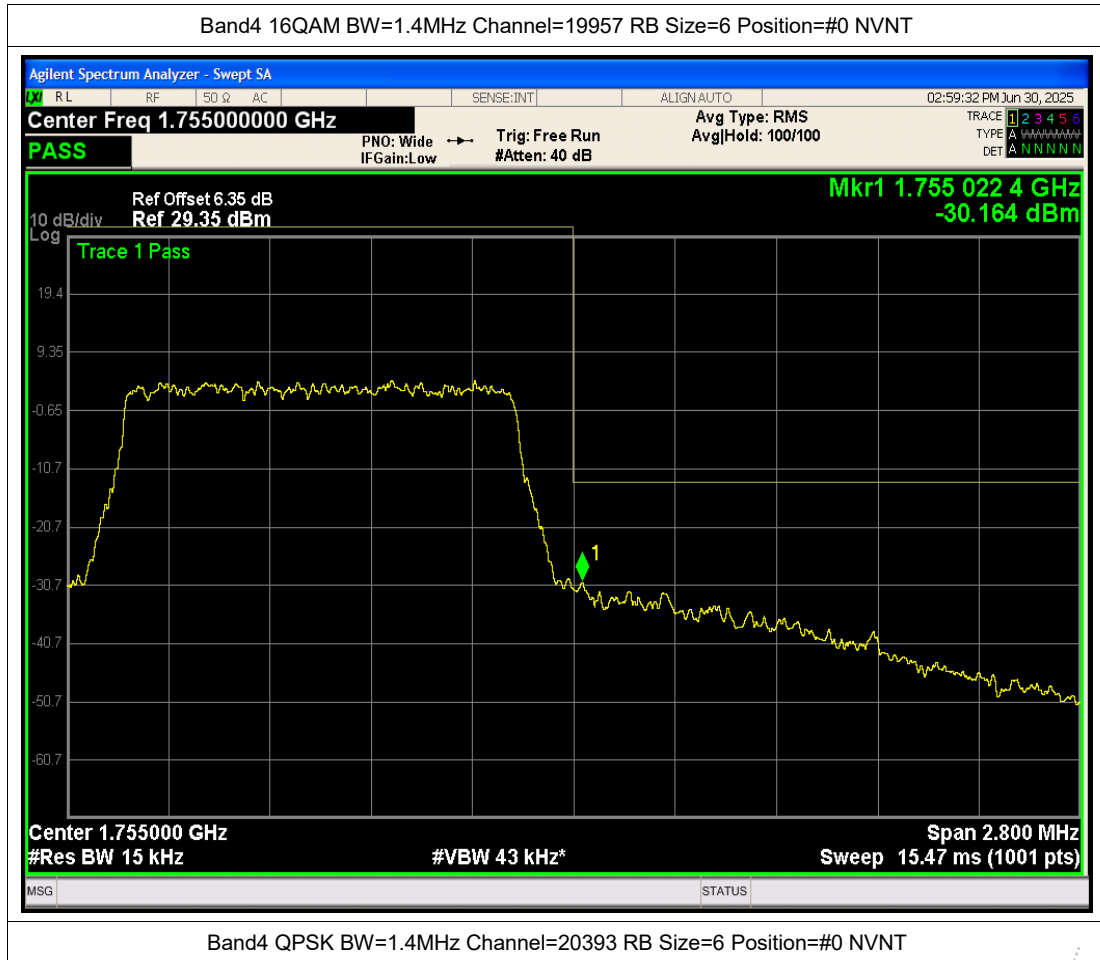
Appendix 5.Band edge

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	1709.98	-25.51	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1709.96	-28.79	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.02	-30.16	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.01	-35.65	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-21.77	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-25.67	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-25.12	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-26.78	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-25.82	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-30.19	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.00	-30.33	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-35.17	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1709.92	-30.27	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1710.00	-34.51	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.10	-31.00	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.00	-33.12	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.85	-31.82	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1710.00	-34.46	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.69	-28.00	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.03	-33.08	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1709.32	-34.20	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1709.92	-36.46	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1756.16	-28.27	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.08	-34.38	-13	PASS



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

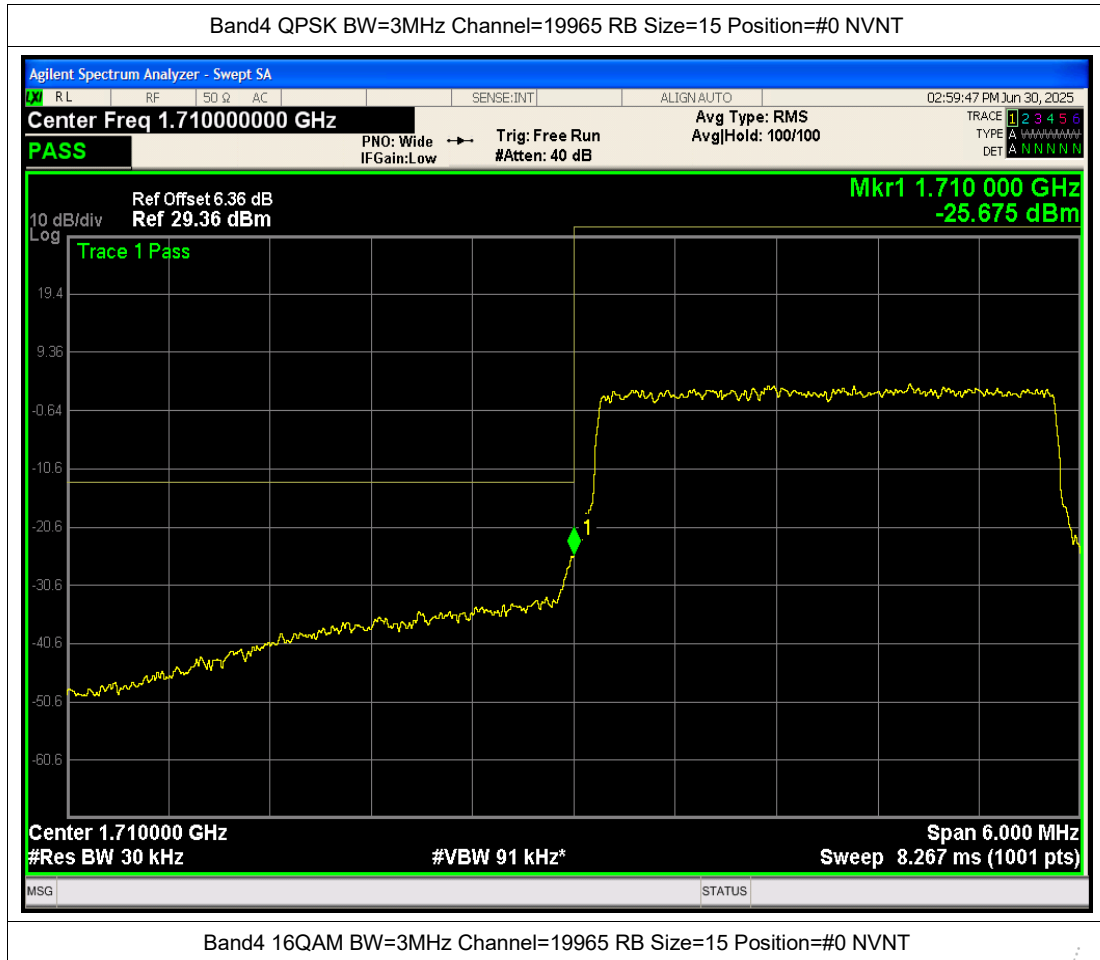






Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

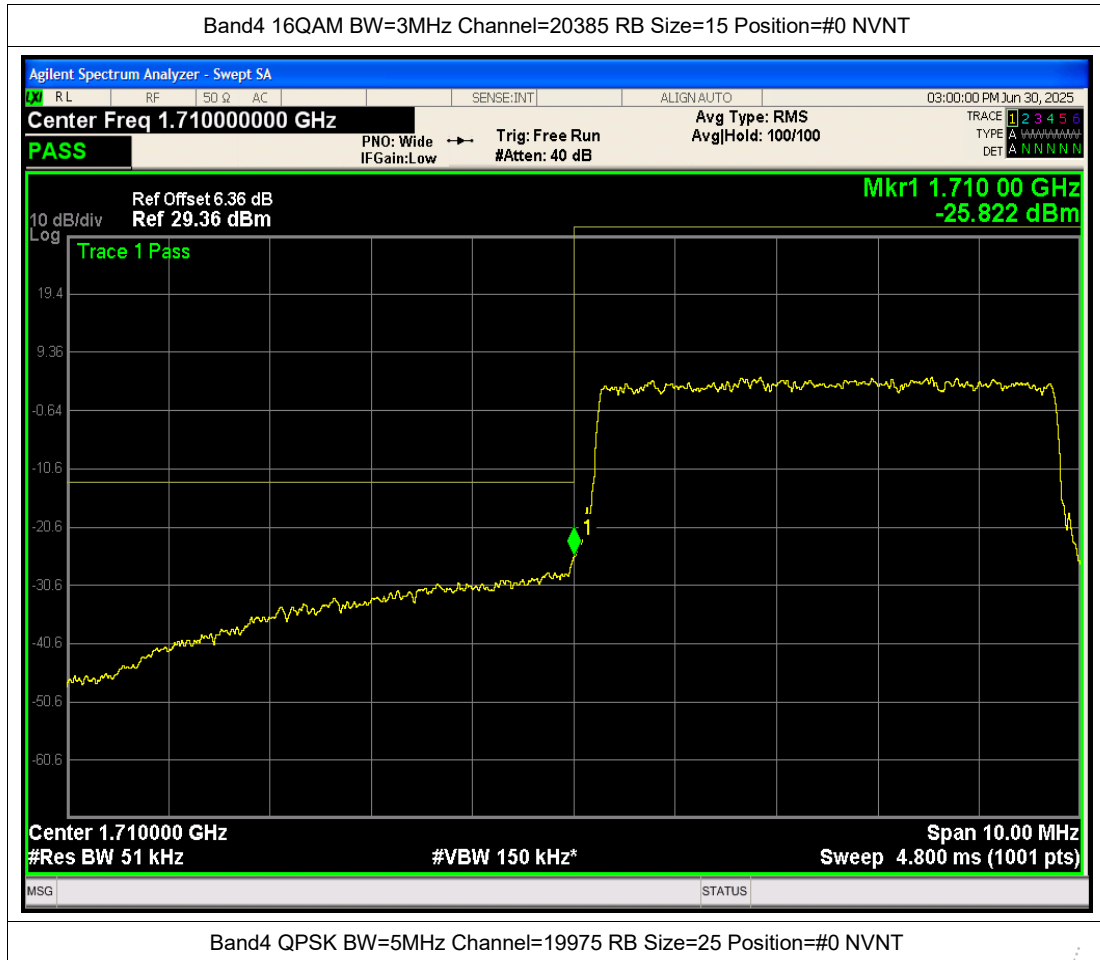


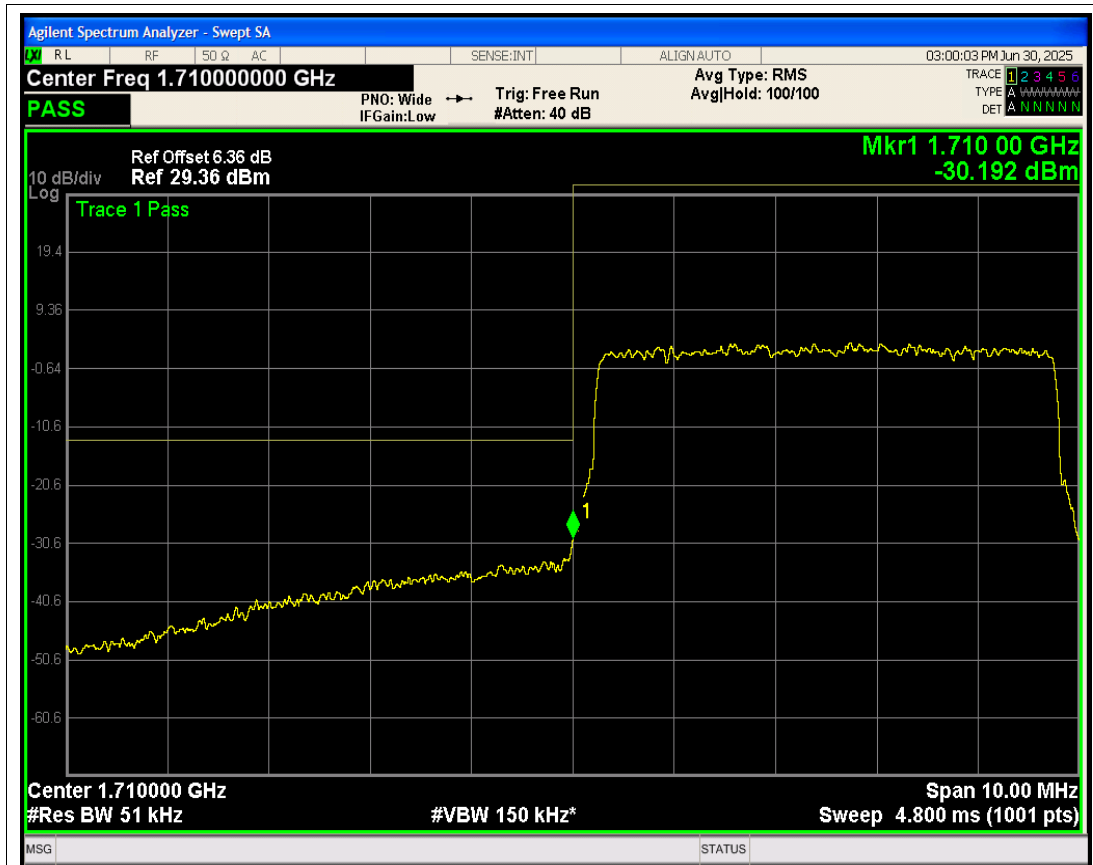




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

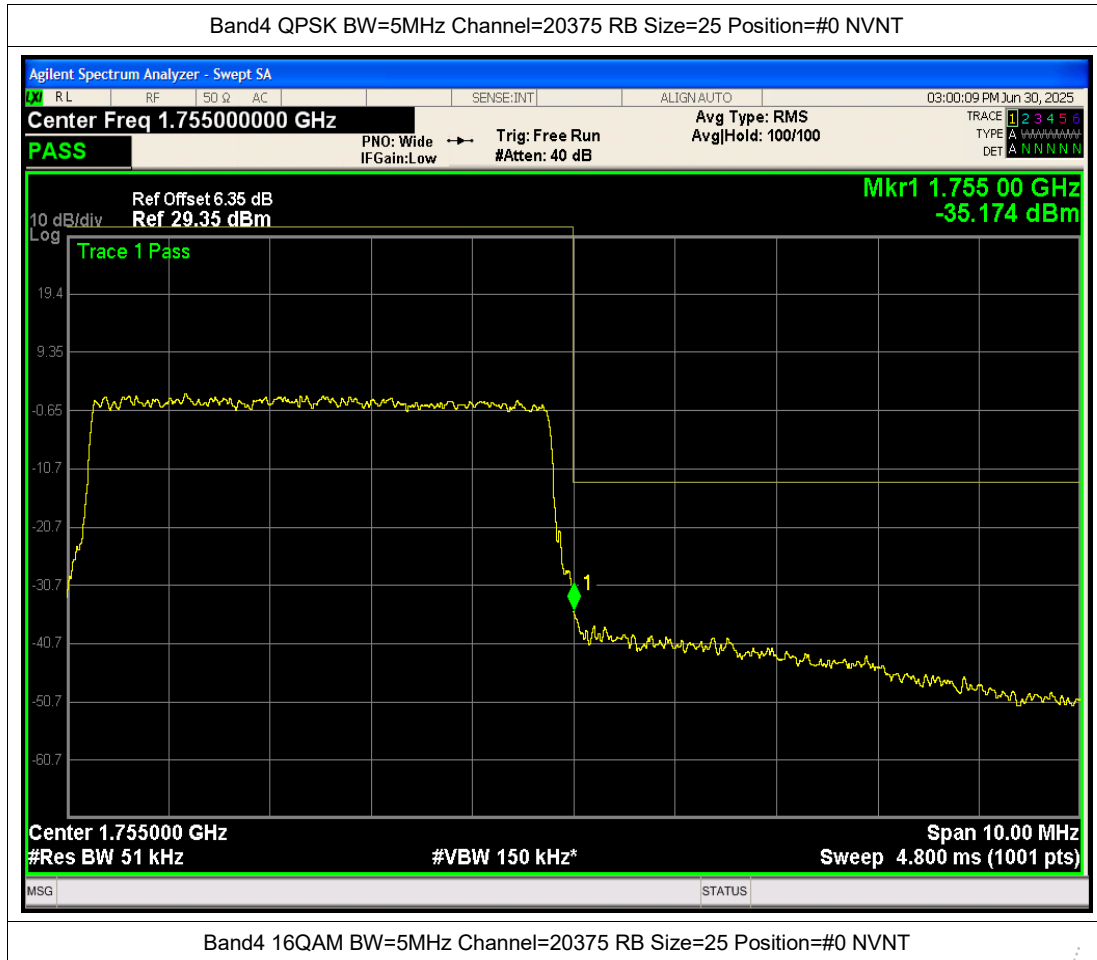


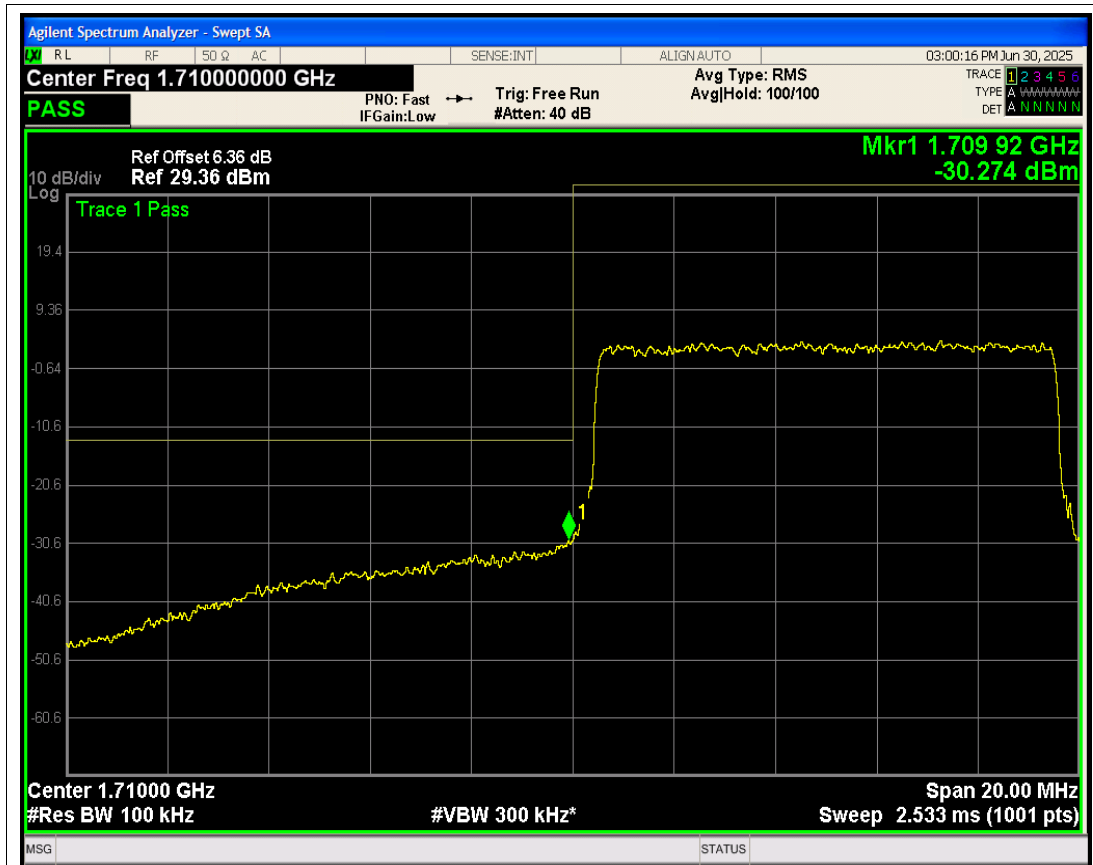




Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

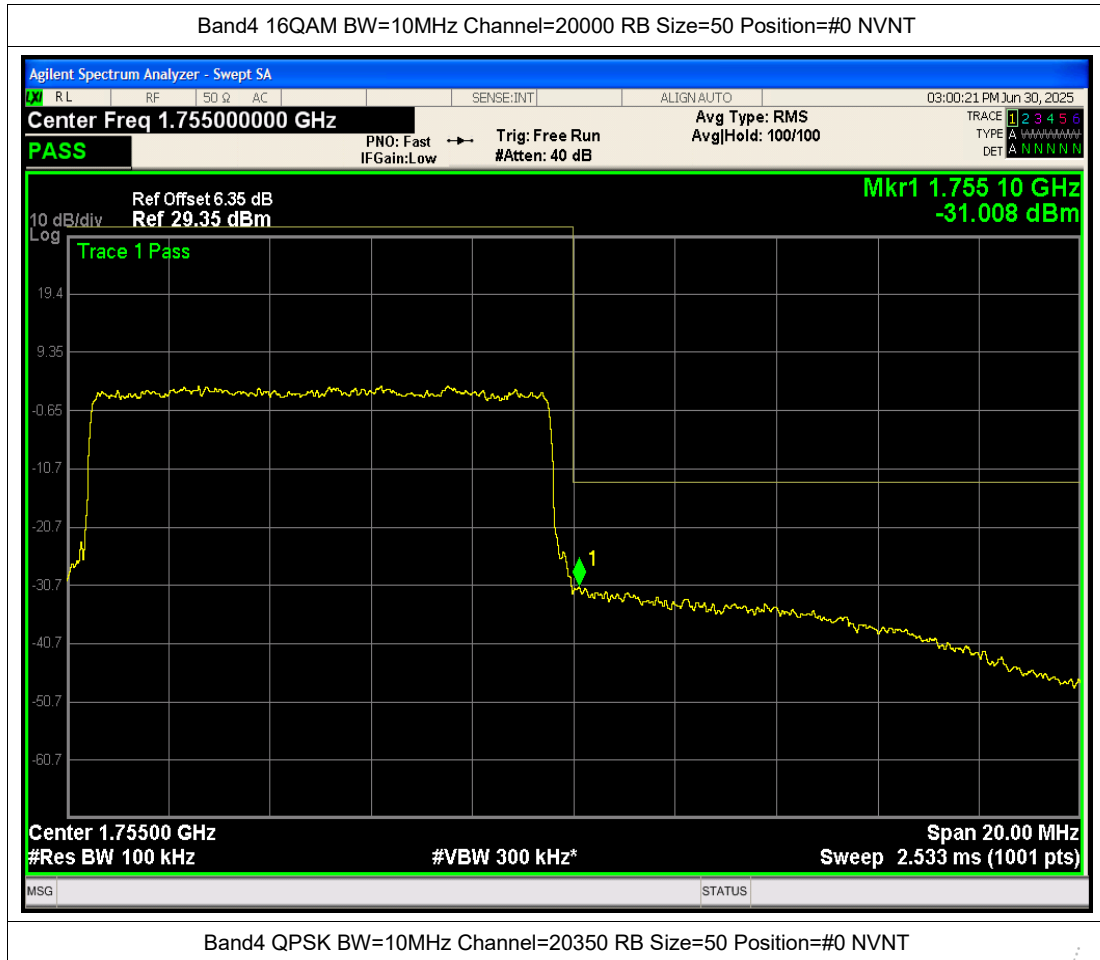






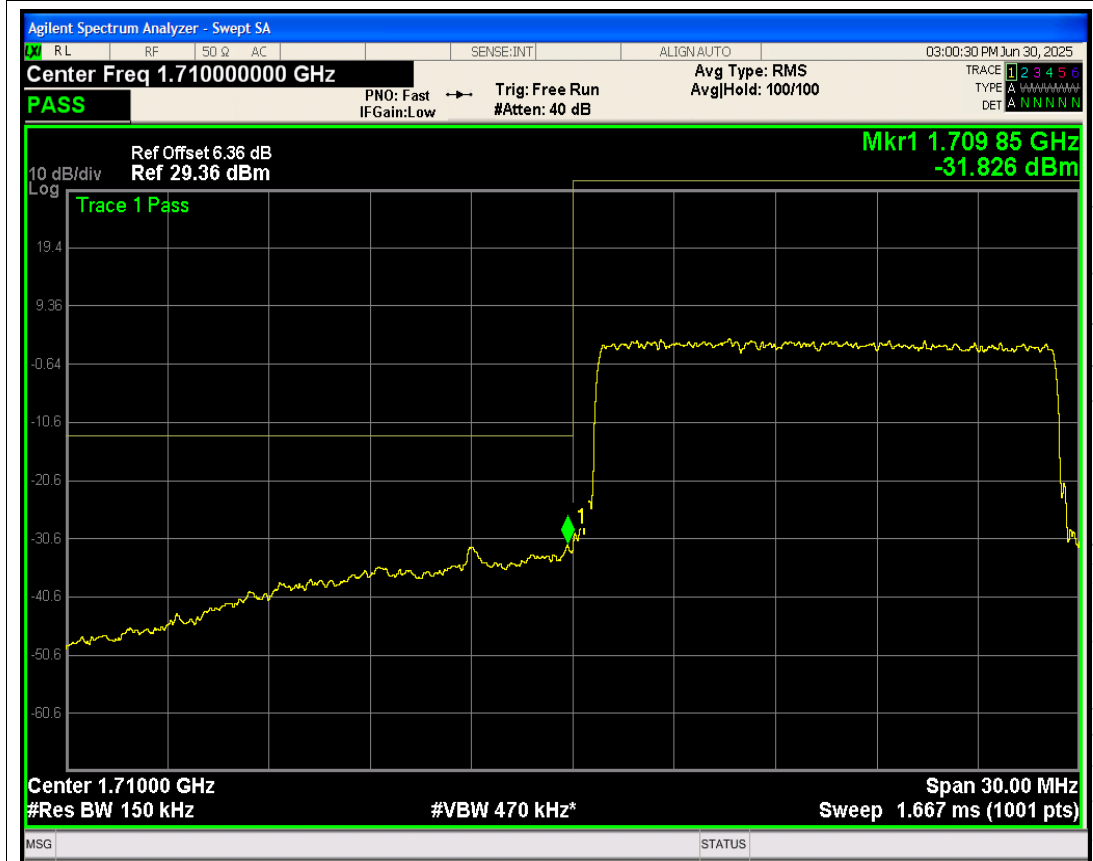
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

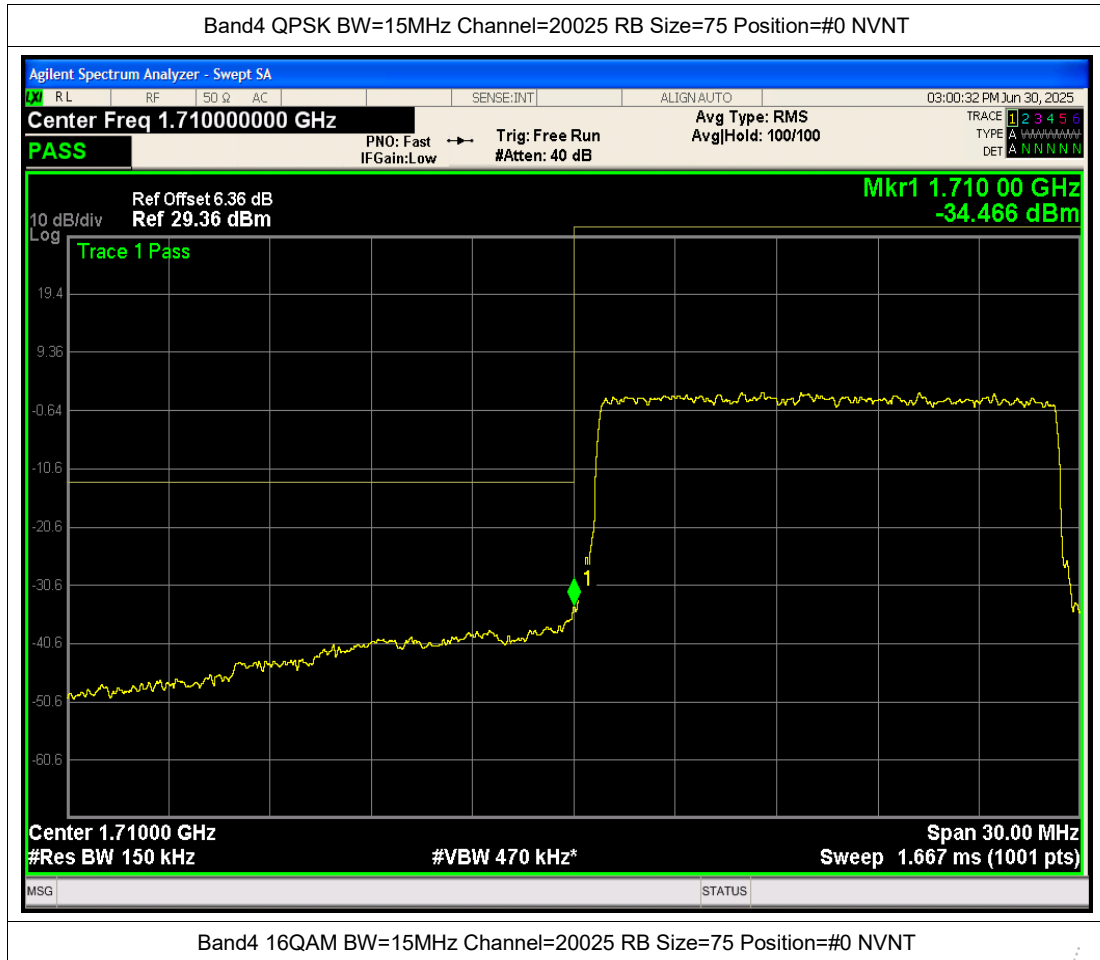






Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

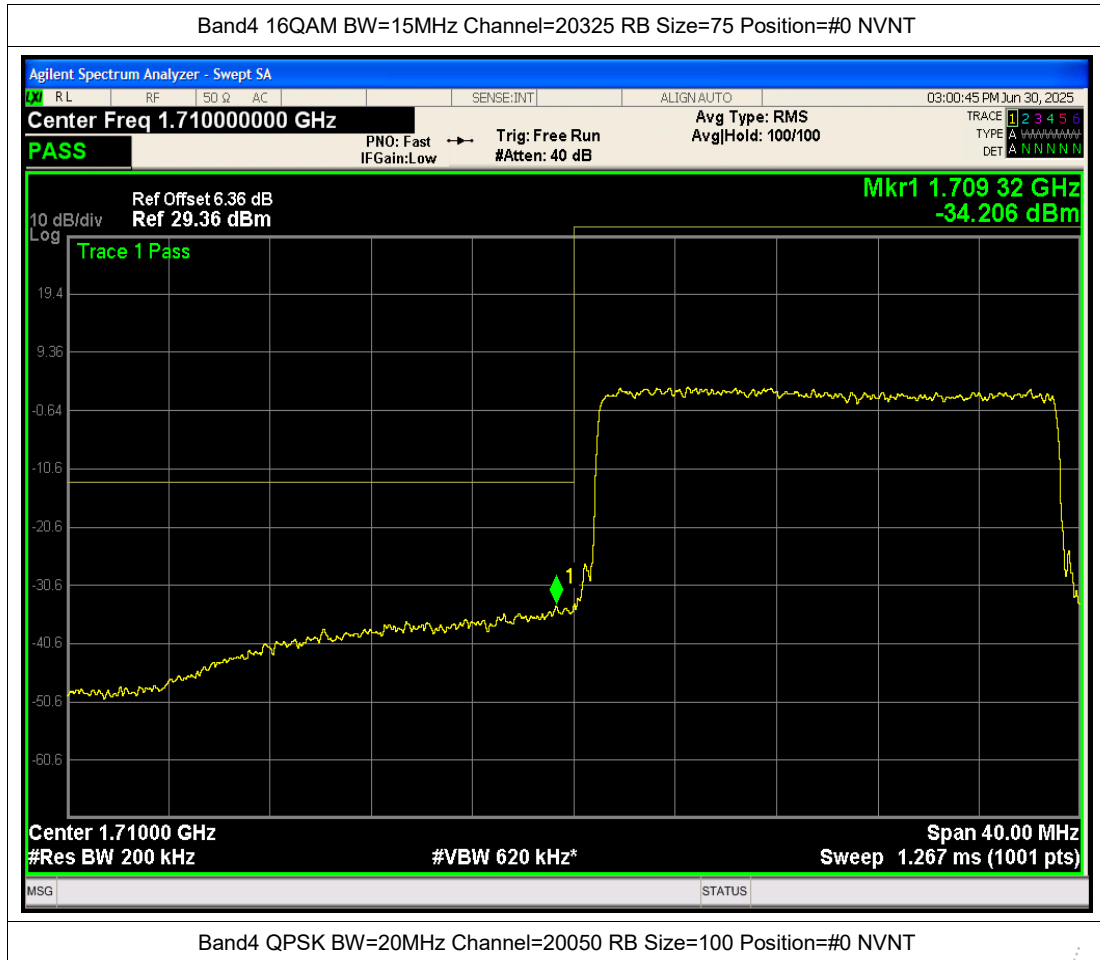


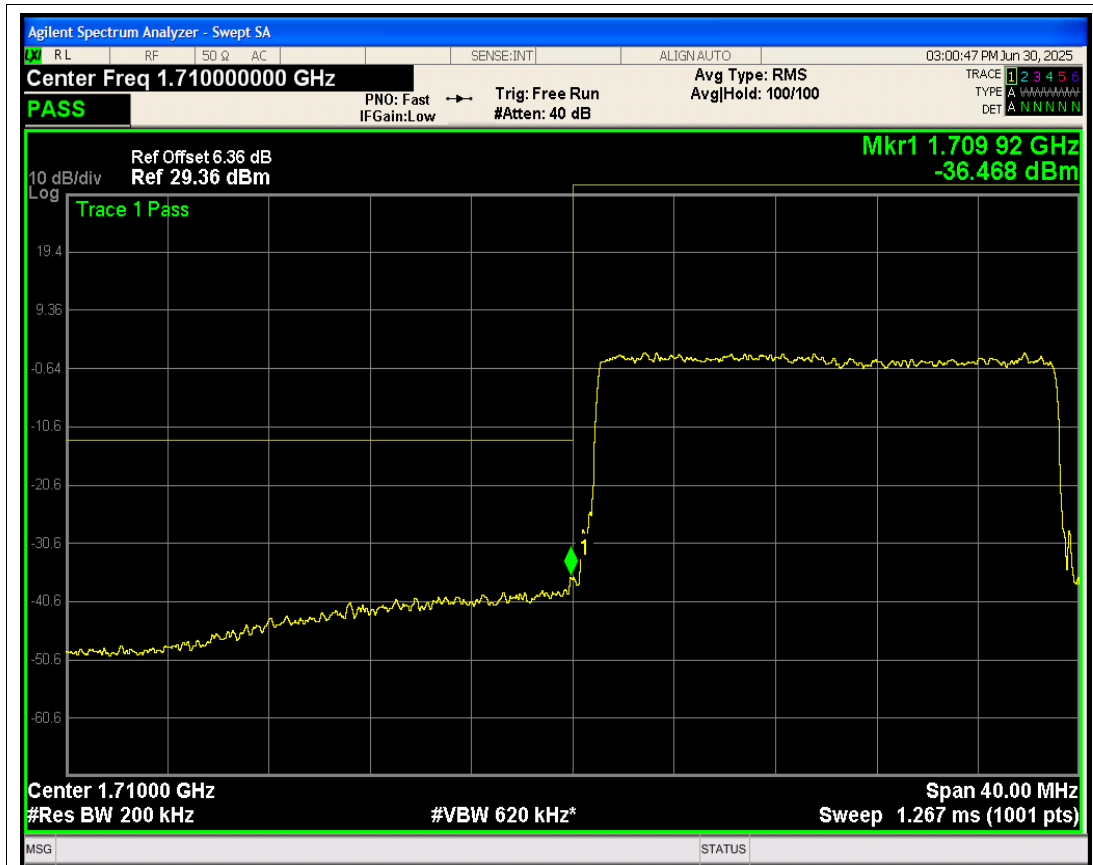




Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

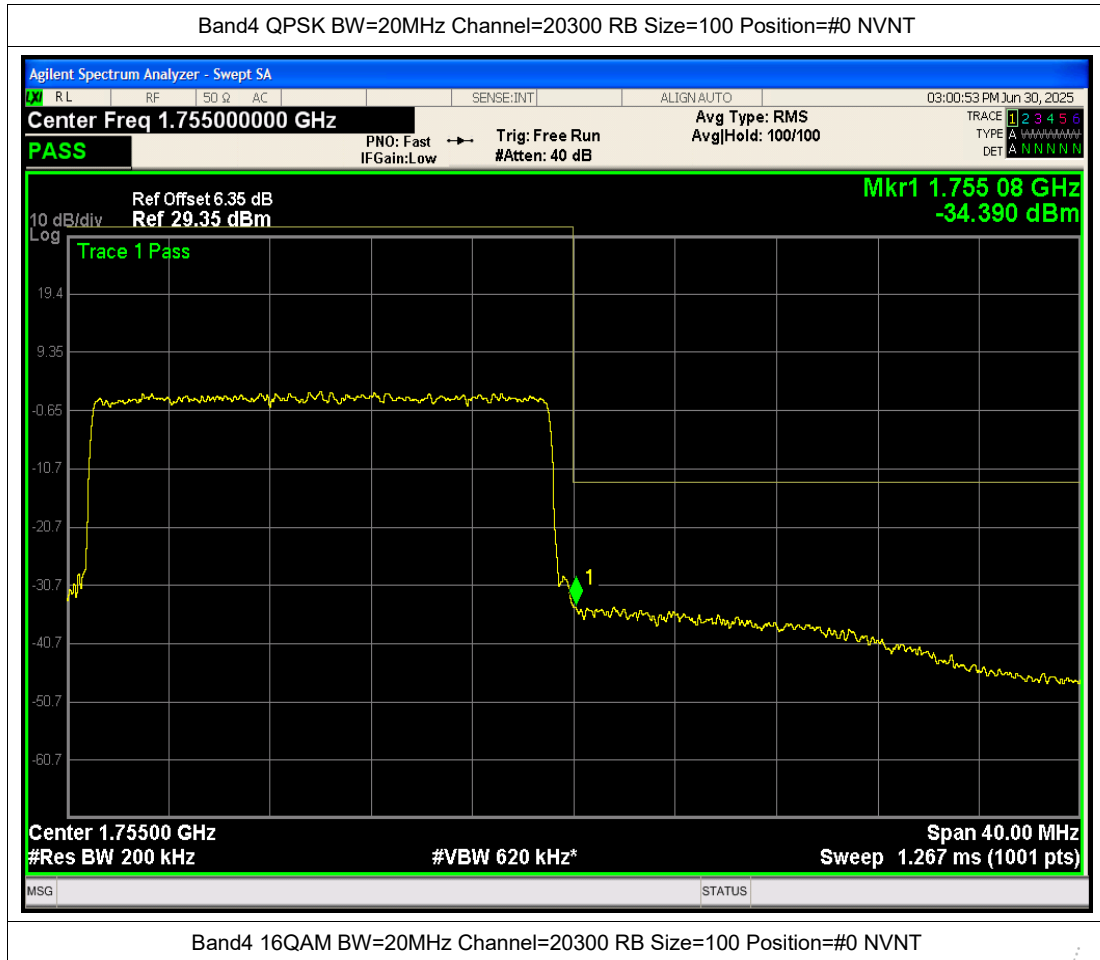






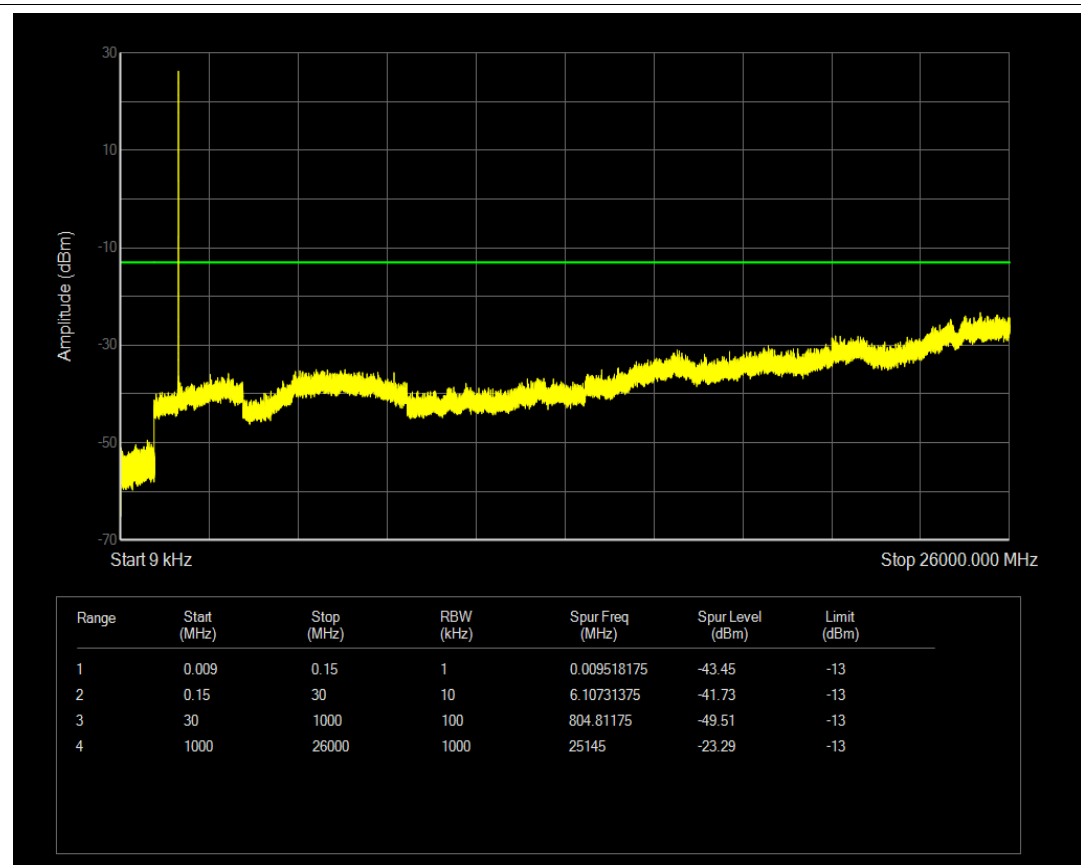
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



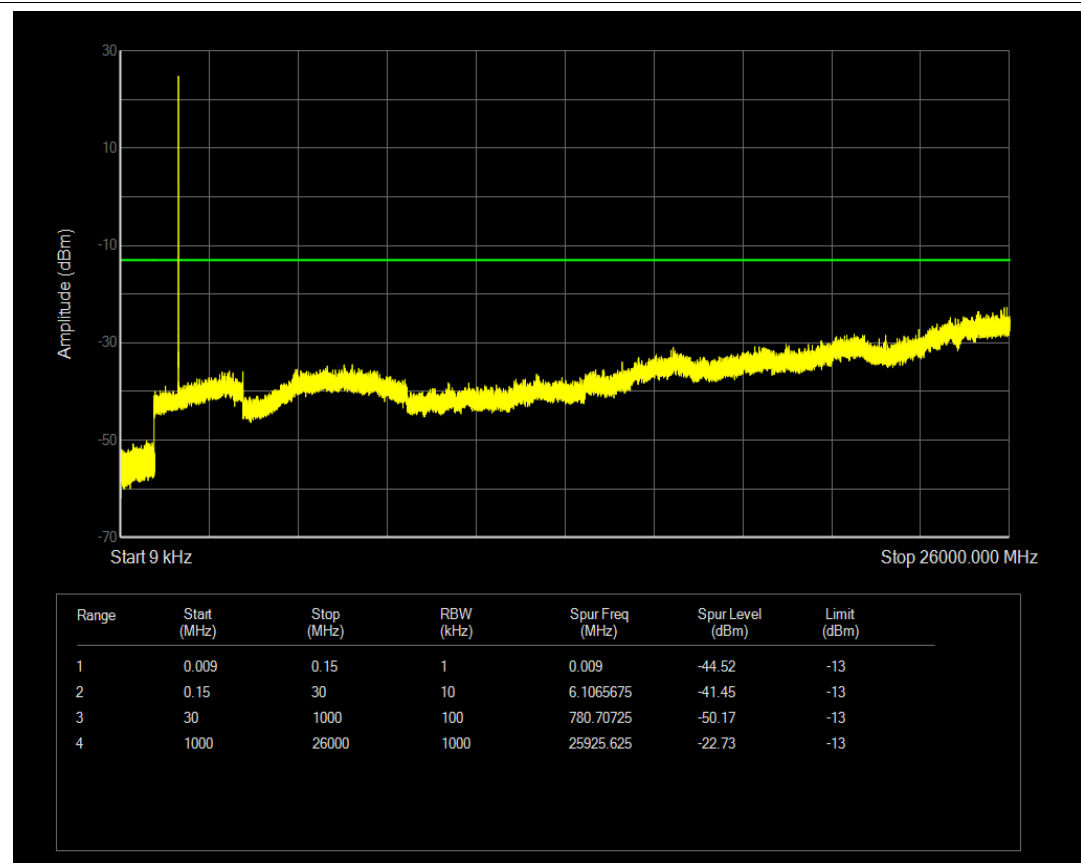


Appendix 6.Out-of-band emissions

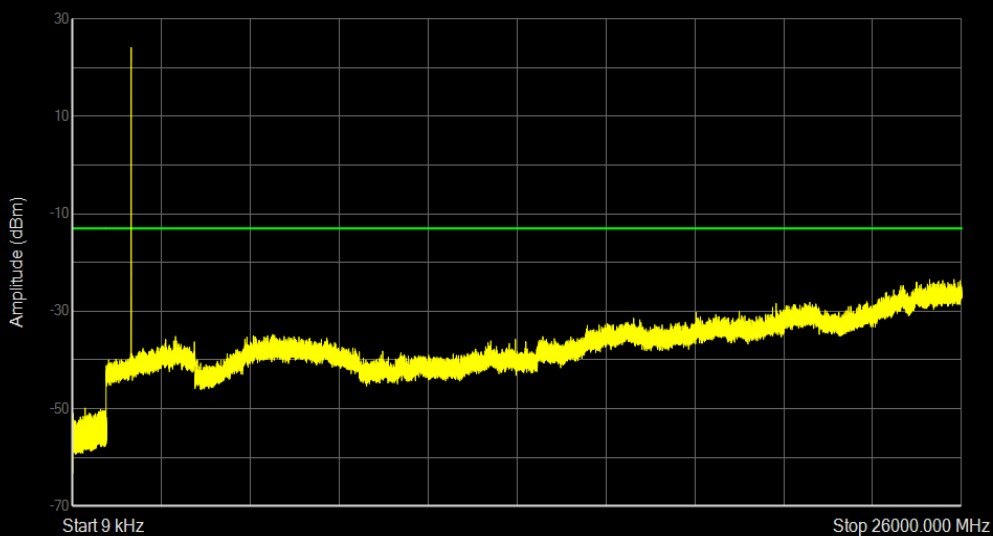
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25145.00	-23.29	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25925.63	-22.73	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25068.13	-23.49	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25322.50	-22.61	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25836.88	-23.41	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25779.38	-23.22	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25755.63	-23.10	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25681.88	-22.64	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25590.63	-23.41	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25410.00	-23.36	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25823.75	-23.80	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25809.38	-23.69	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25986.88	-22.63	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25668.13	-23.97	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25390.63	-23.16	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	24674.38	-23.06	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25768.13	-23.81	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25900.63	-22.69	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25521.25	-23.36	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25341.25	-23.82	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25313.75	-23.49	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25110.00	-23.70	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25708.13	-23.15	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25926.25	-23.25	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	24769.38	-23.18	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25082.50	-22.55	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25536.88	-22.48	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25782.50	-23.38	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25072.50	-23.70	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25032.50	-23.58	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25465.63	-23.76	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25602.50	-23.21	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25861.88	-23.07	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25100.00	-23.14	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25504.38	-23.26	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	25462.50	-23.04	-13	PASS



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

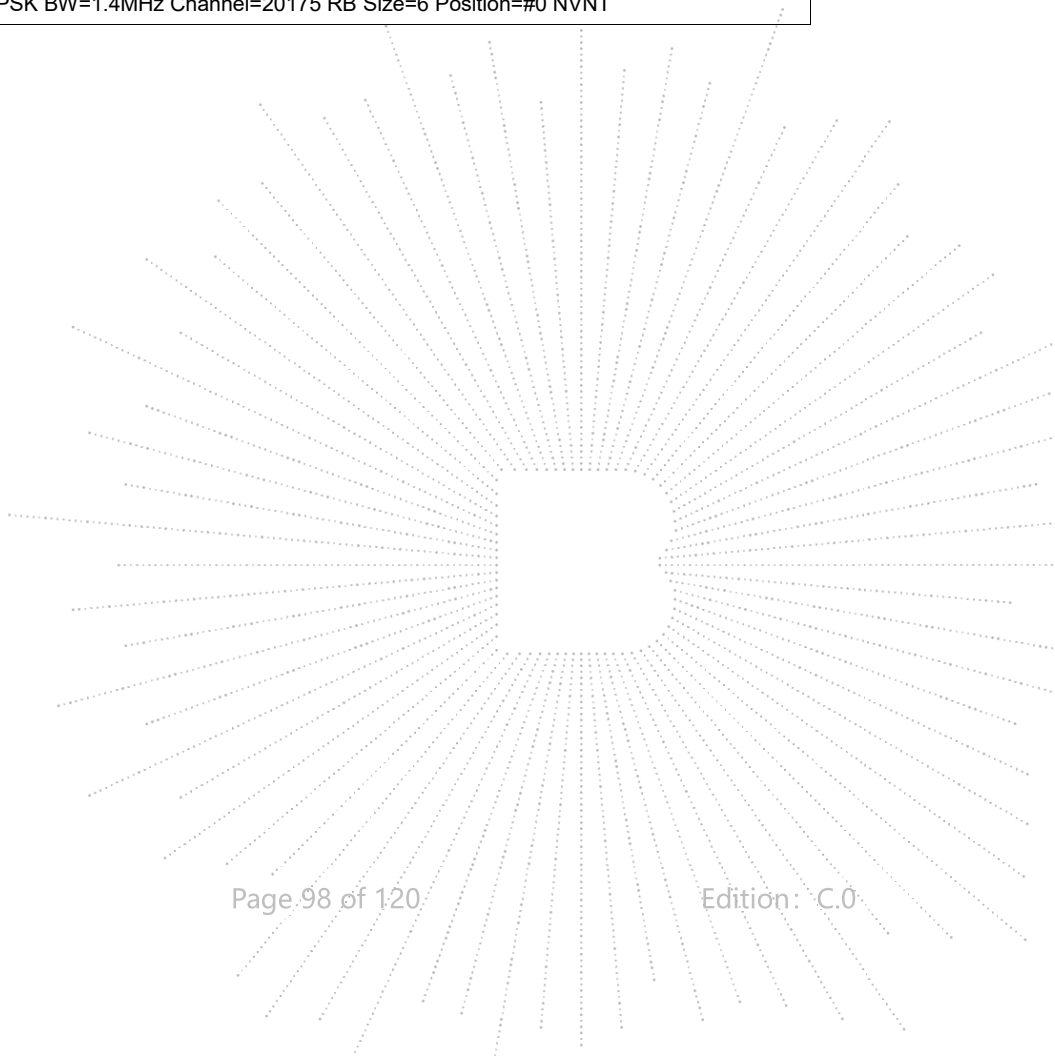


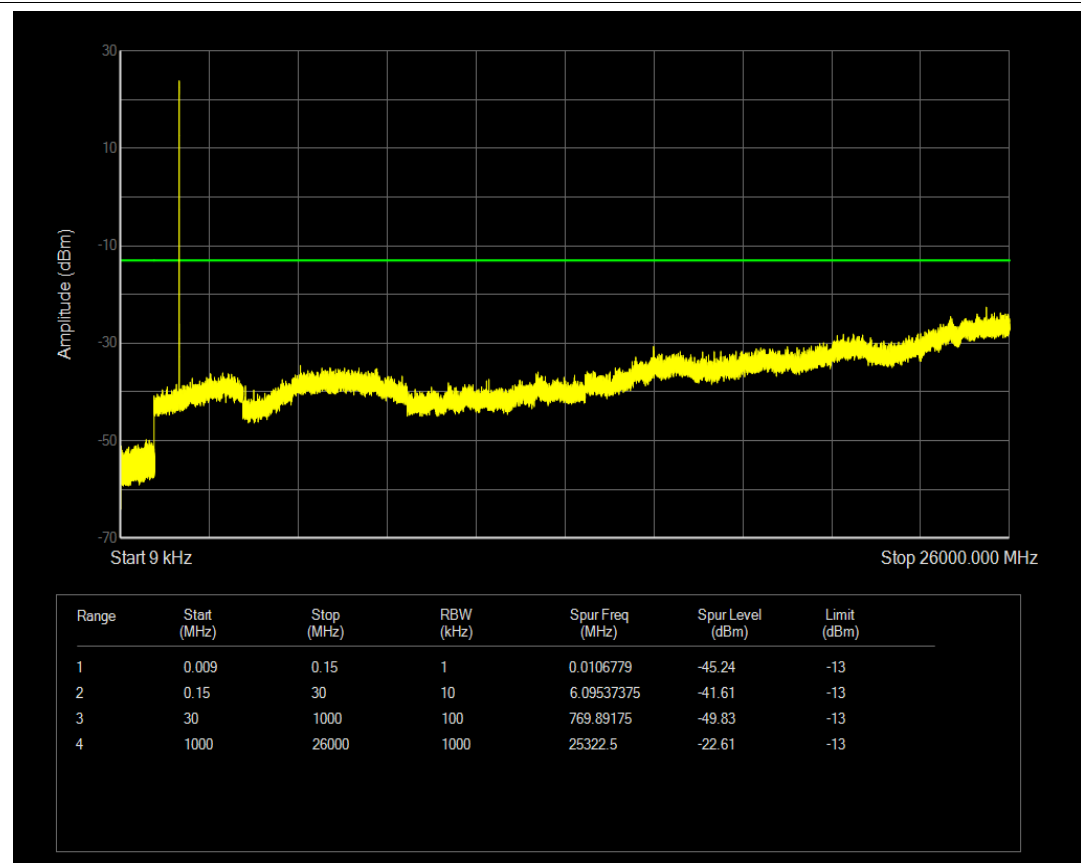
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



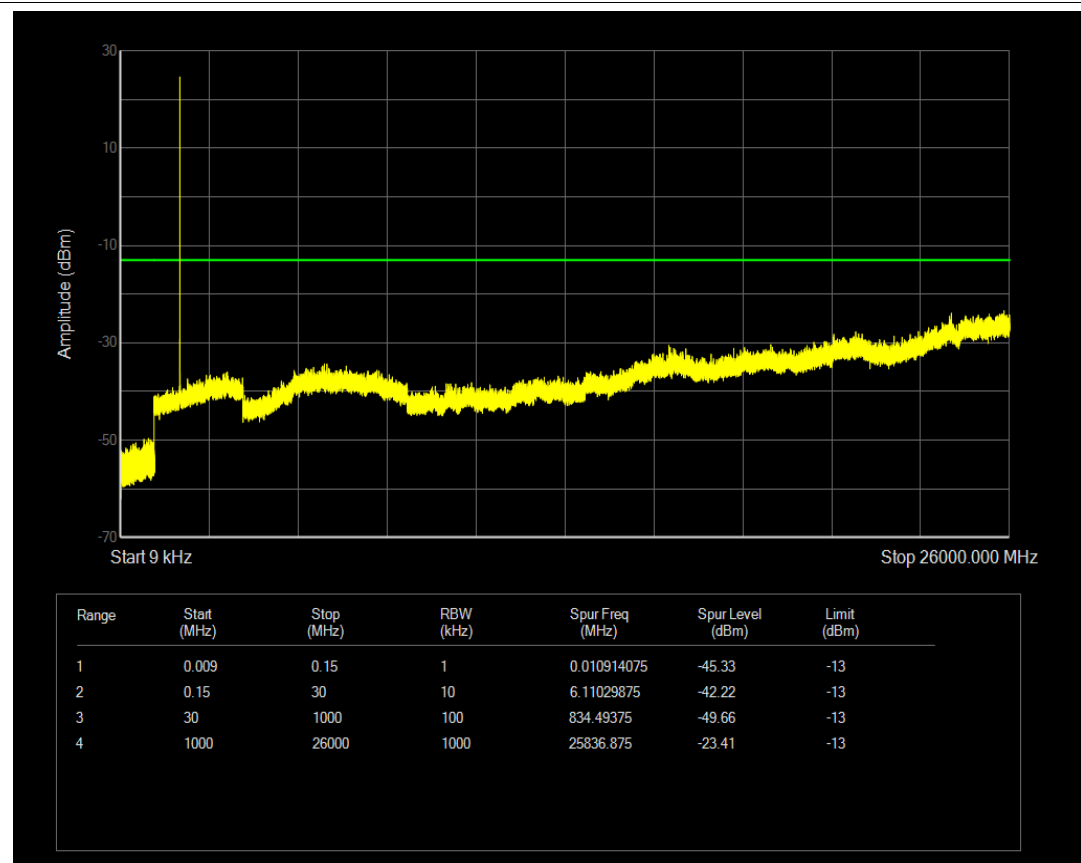
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010194975	-46.12	-13
2	0.15	30	10	6.06552375	-42.87	-13
3	30	1000	100	388.82725	-49.89	-13
4	1000	26000	1000	25068.125	-23.49	-13

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

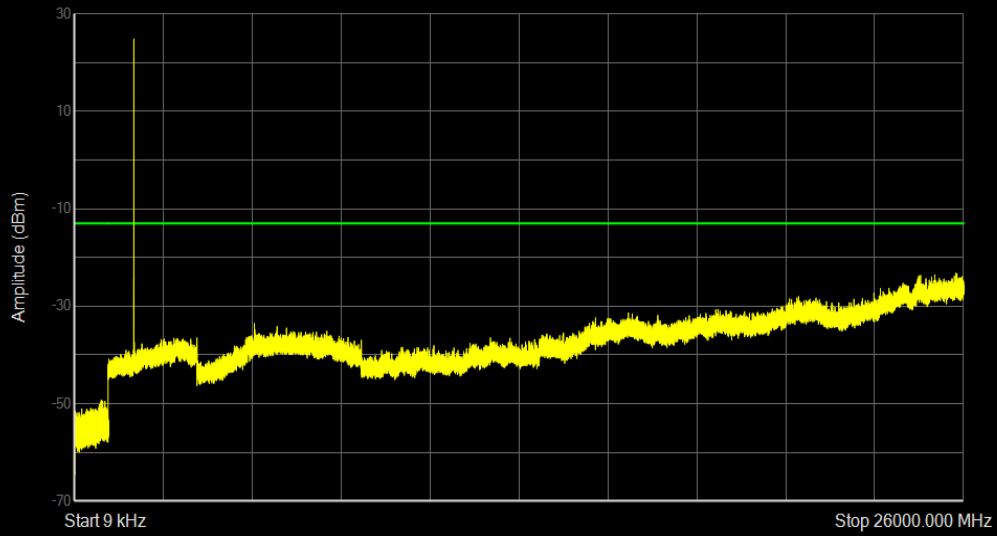




Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

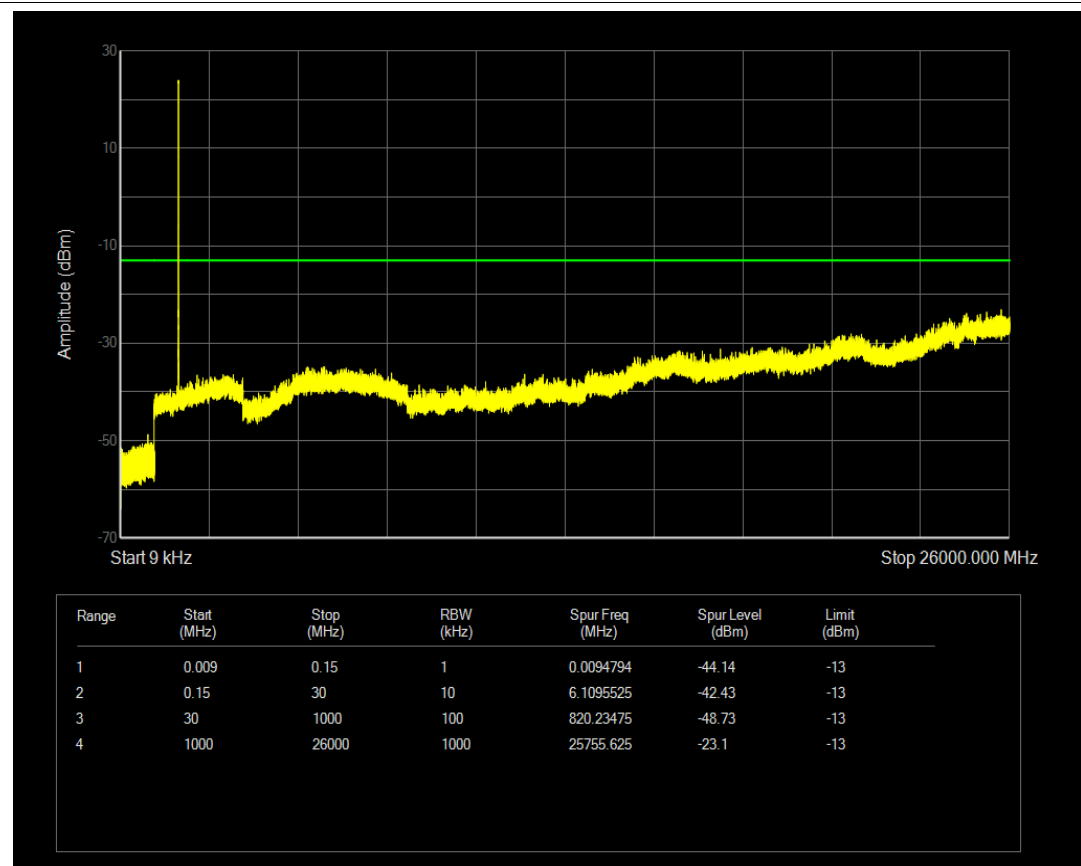


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

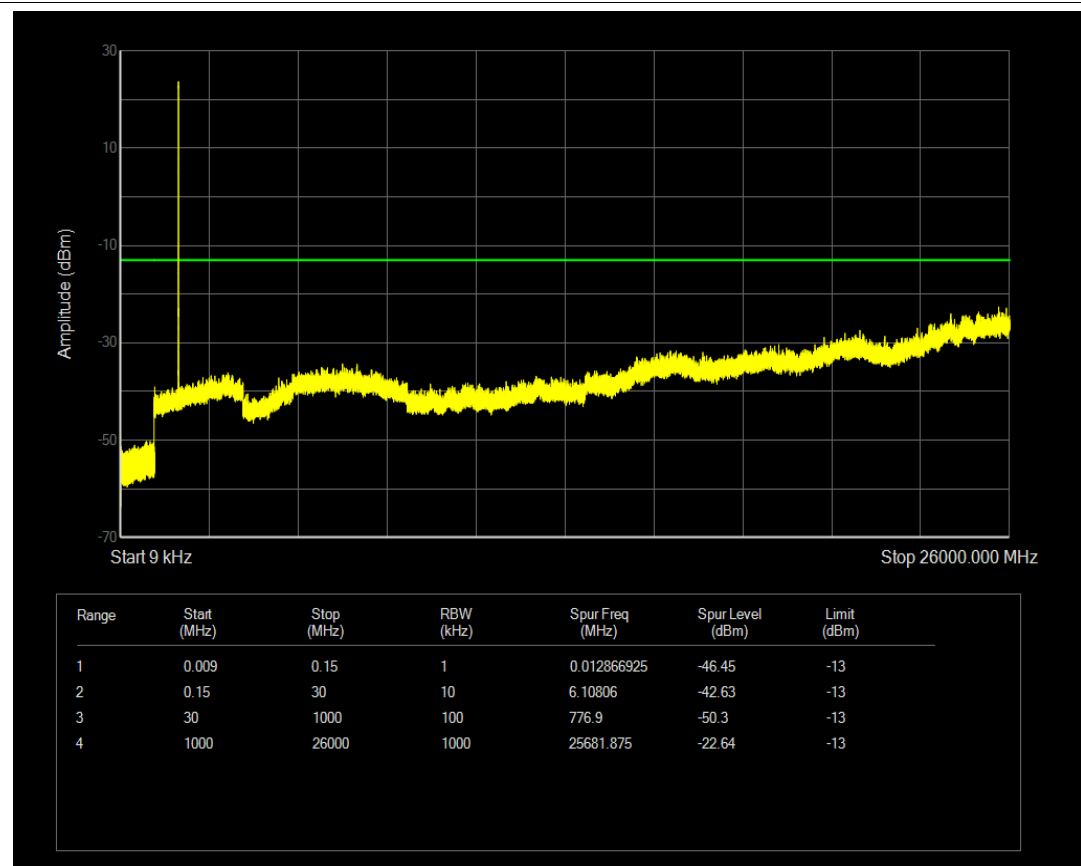


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01006455	-45.35	-13
2	0.15	30	10	6.04761375	-42.86	-13
3	30	1000	100	800.0345	-49.29	-13
4	1000	26000	1000	25779.375	-23.22	-13

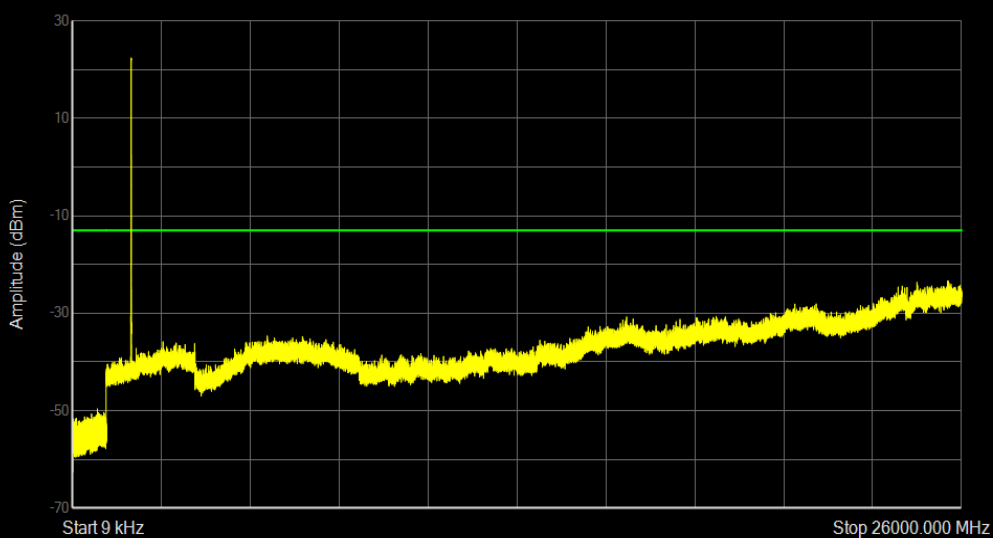
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

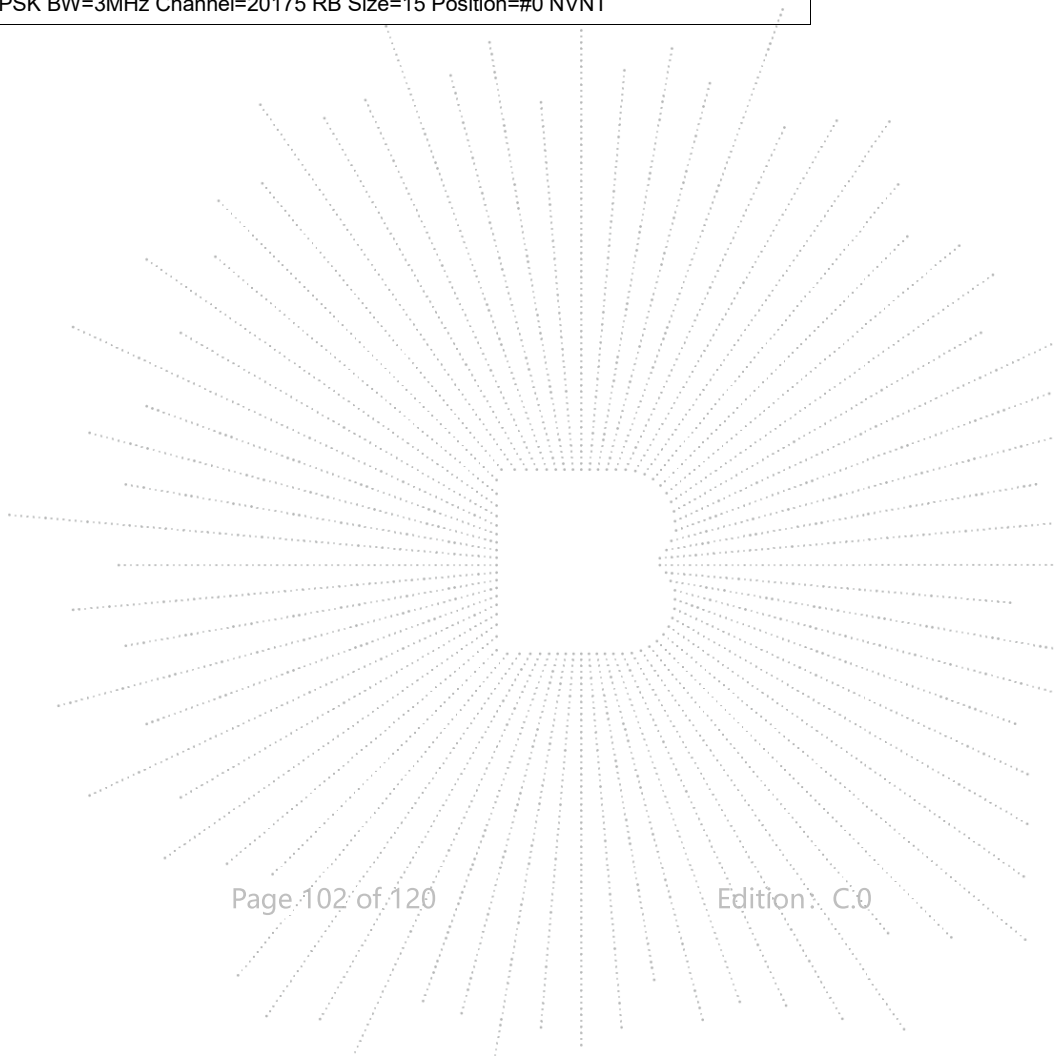


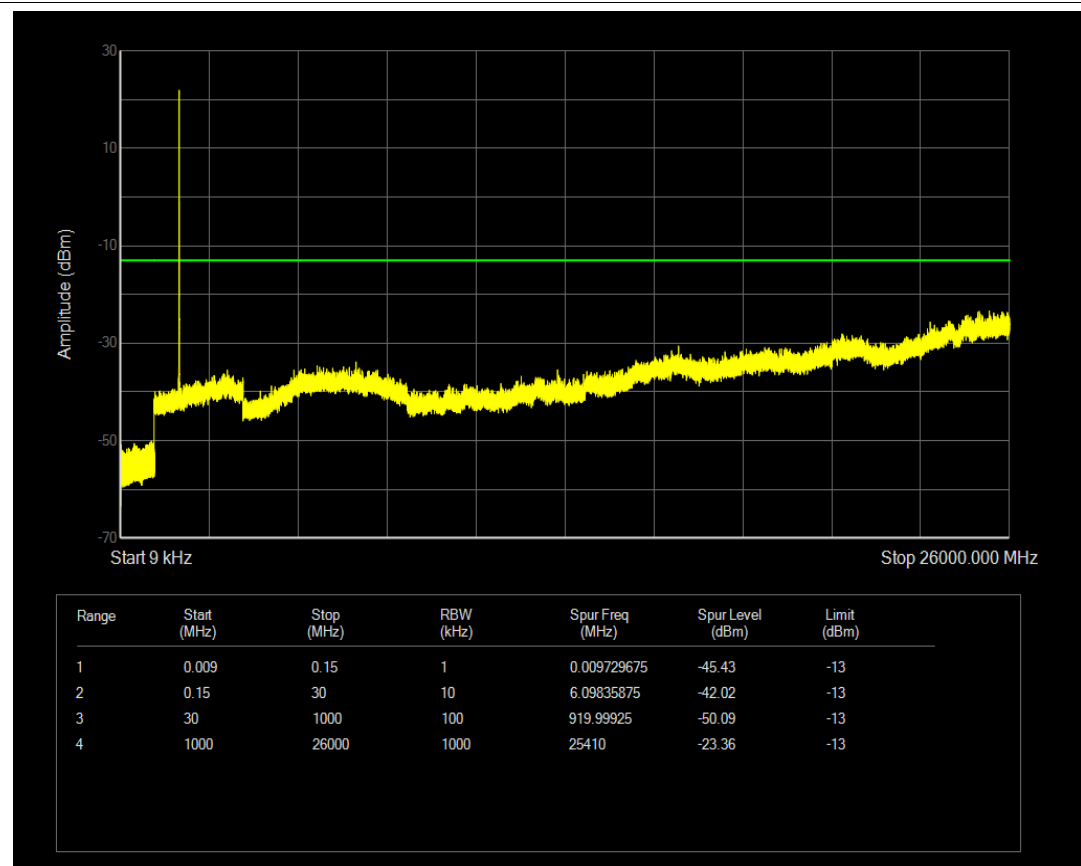
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



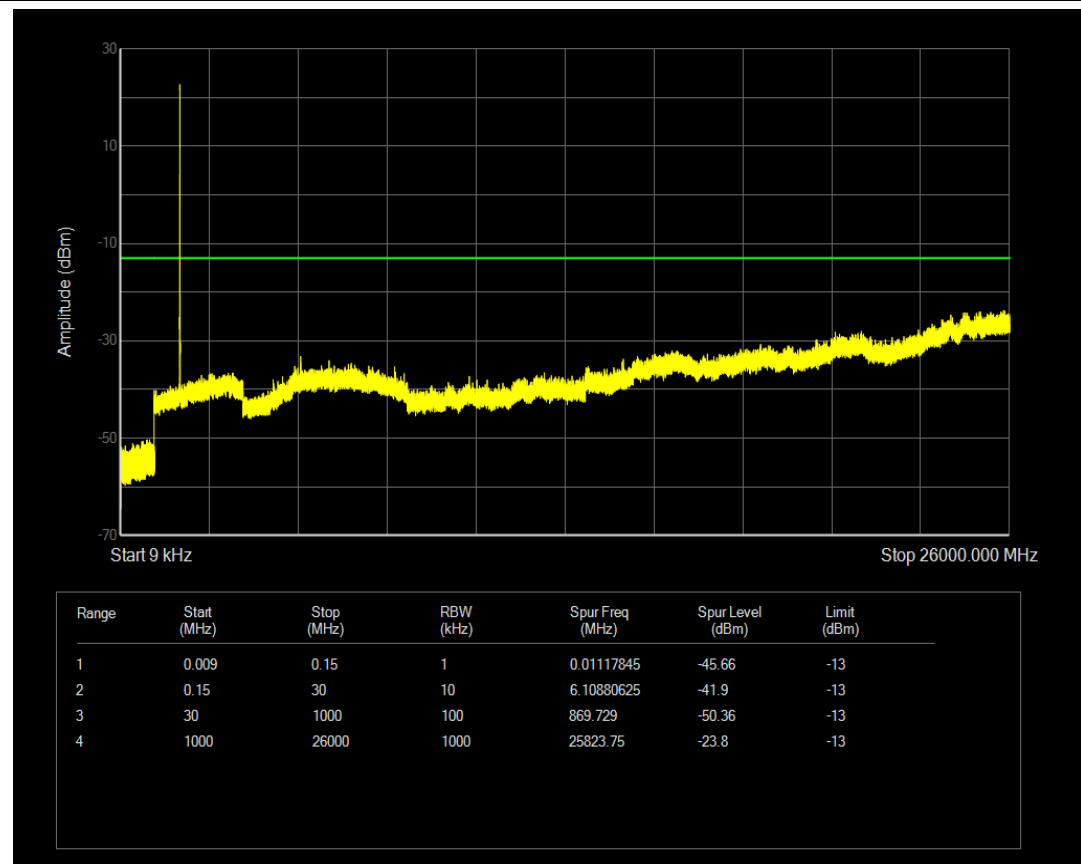
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009052875	-46.11	-13
2	0.15	30	10	6.10134375	-42.15	-13
3	30	1000	100	746.46625	-49.62	-13
4	1000	26000	1000	25590.625	-23.41	-13

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

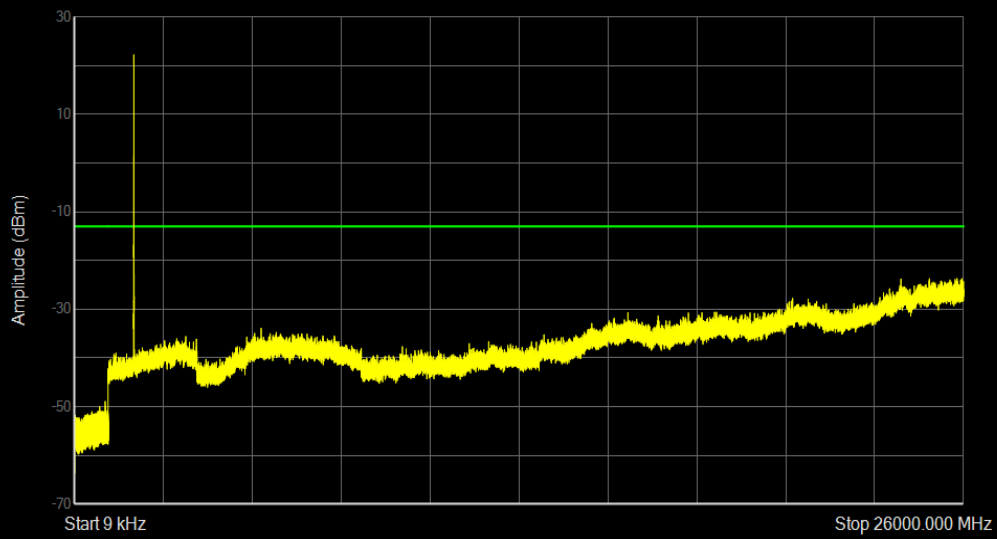




Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

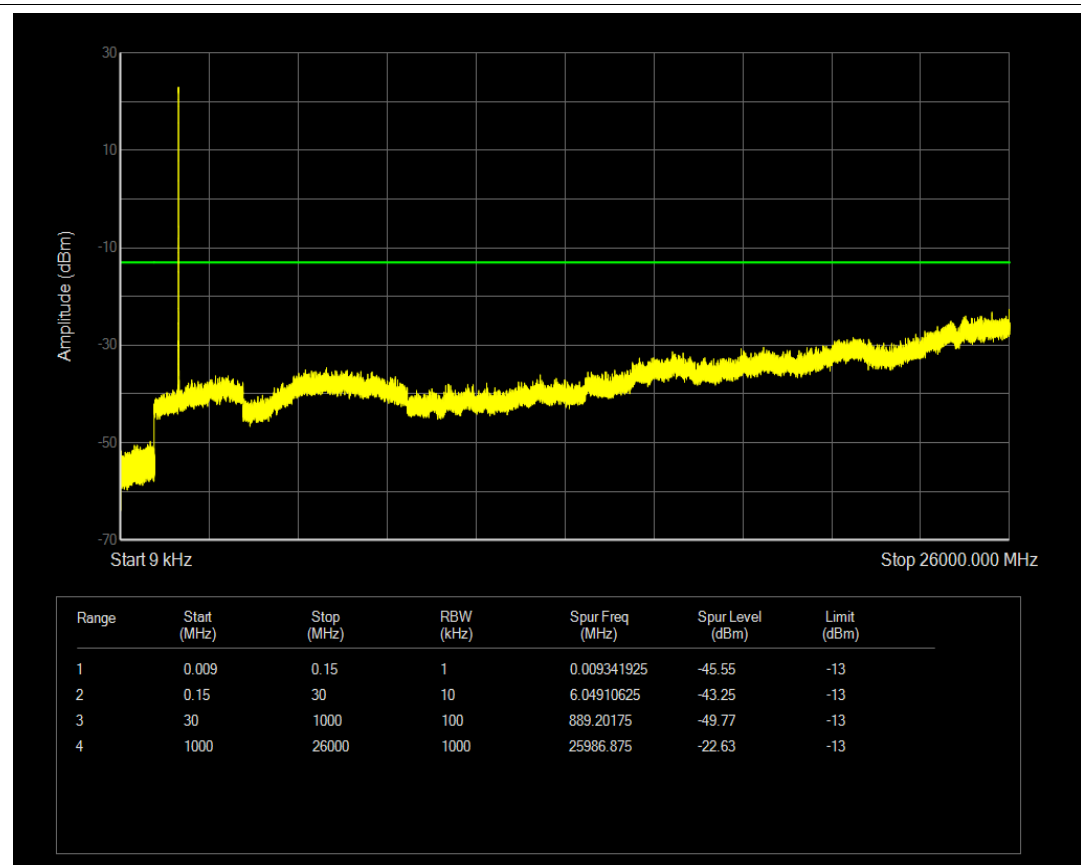


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

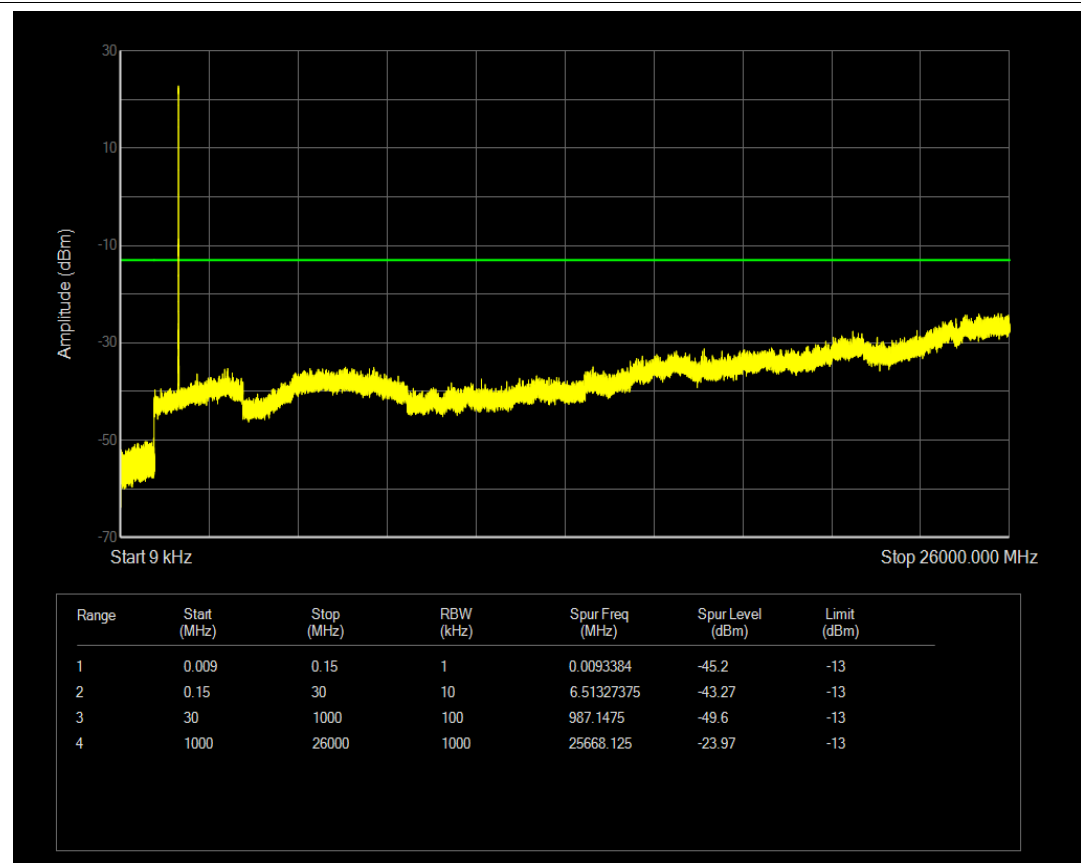


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.115888575	-46.1	-13
2	0.15	30	10	6.1214925	-43.08	-13
3	30	1000	100	916.94375	-48.95	-13
4	1000	26000	1000	25809.375	-23.69	-13

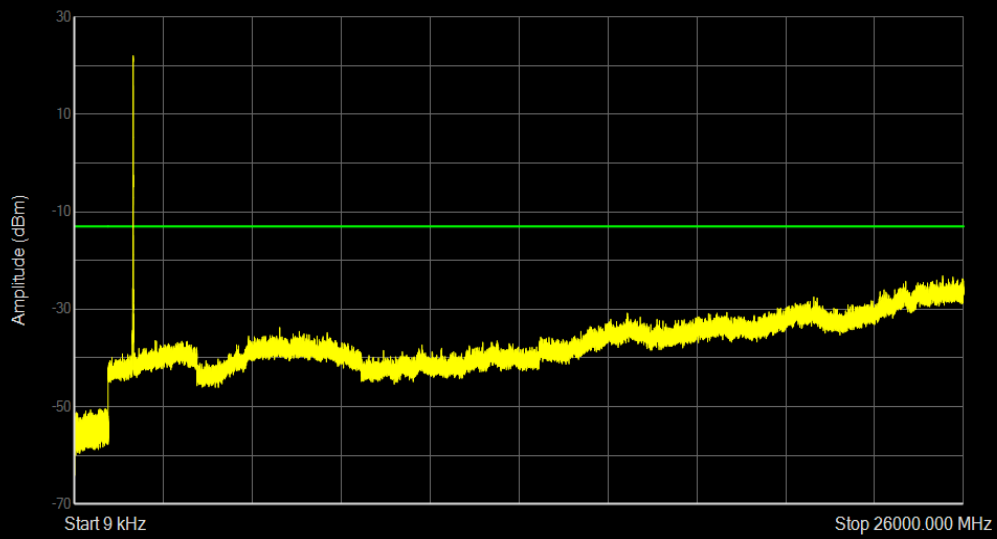
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



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

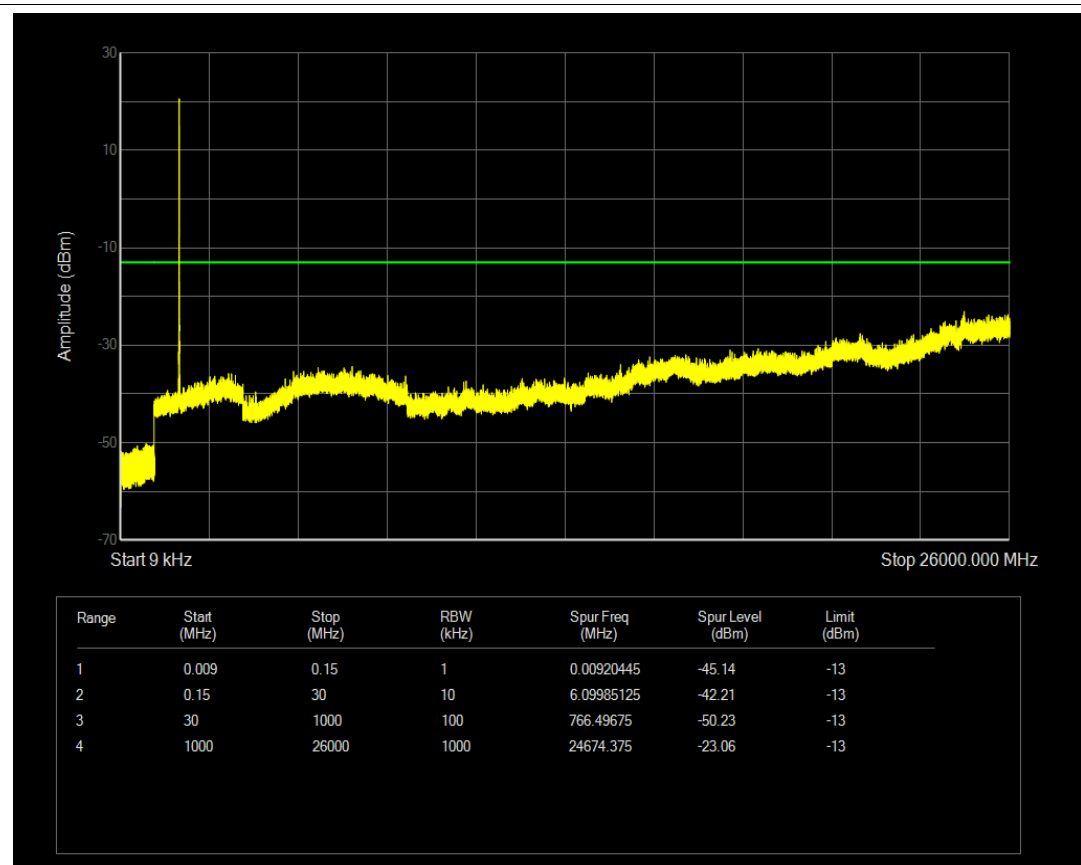


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

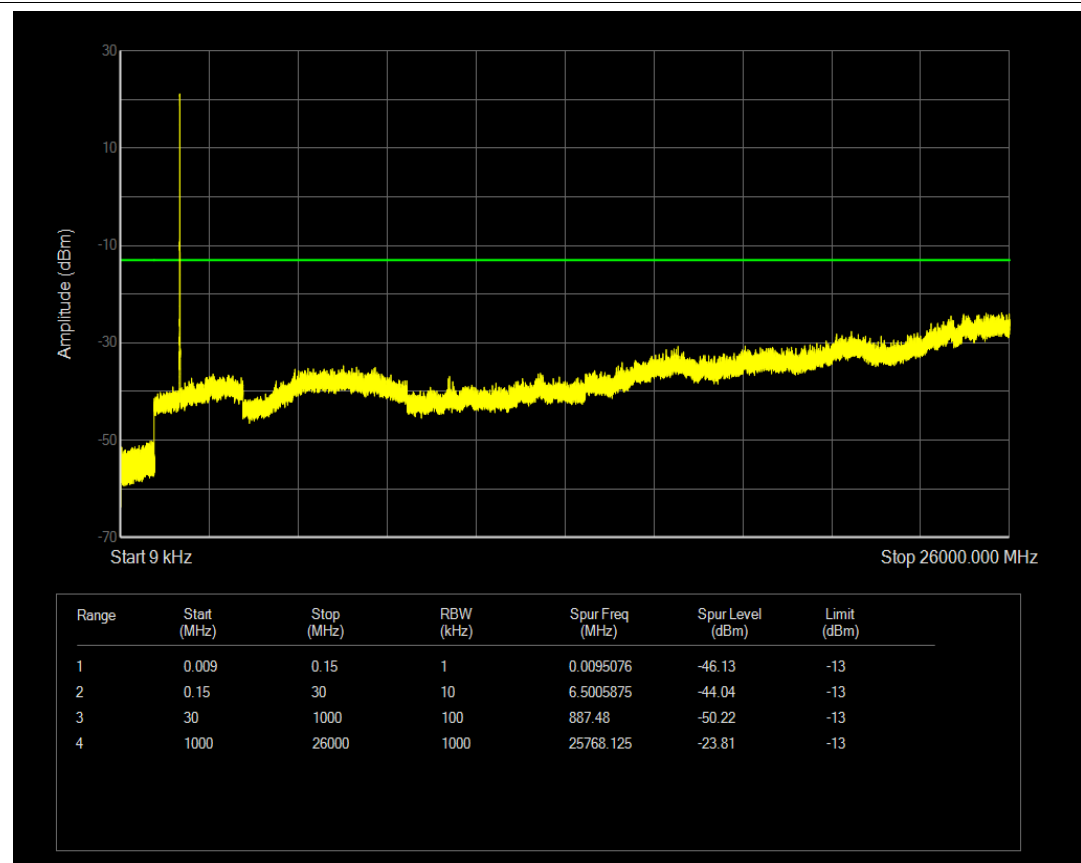


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009243225	-45.18	-13
2	0.15	30	10	6.1214925	-42.49	-13
3	30	1000	100	931.97875	-50.5	-13
4	1000	26000	1000	25390.625	-23.16	-13

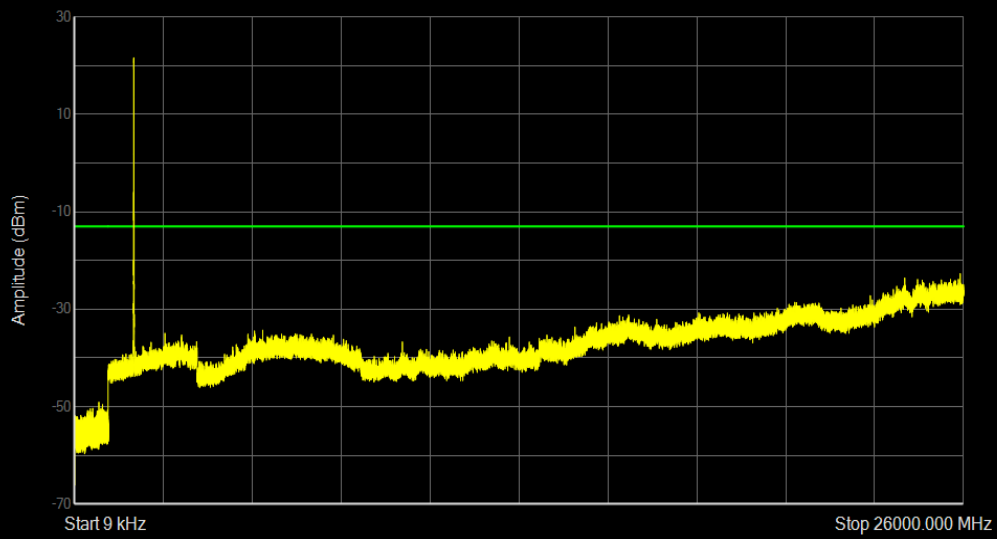
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



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

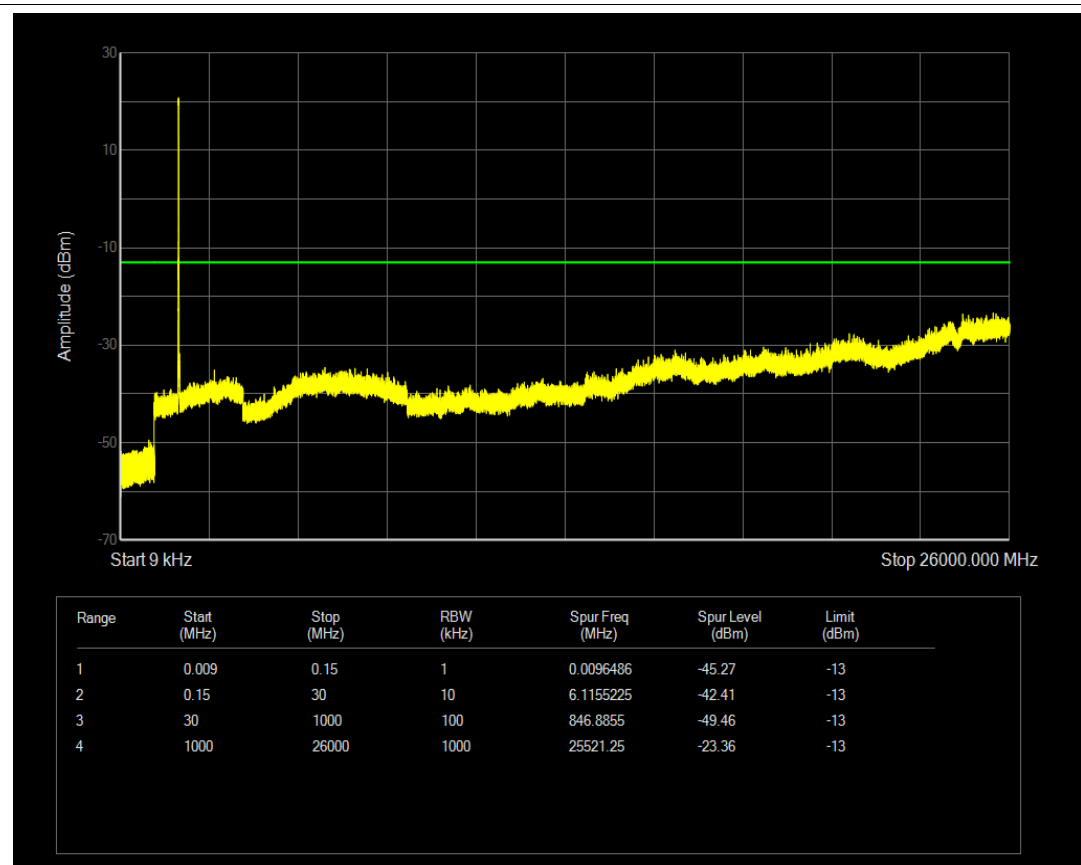


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

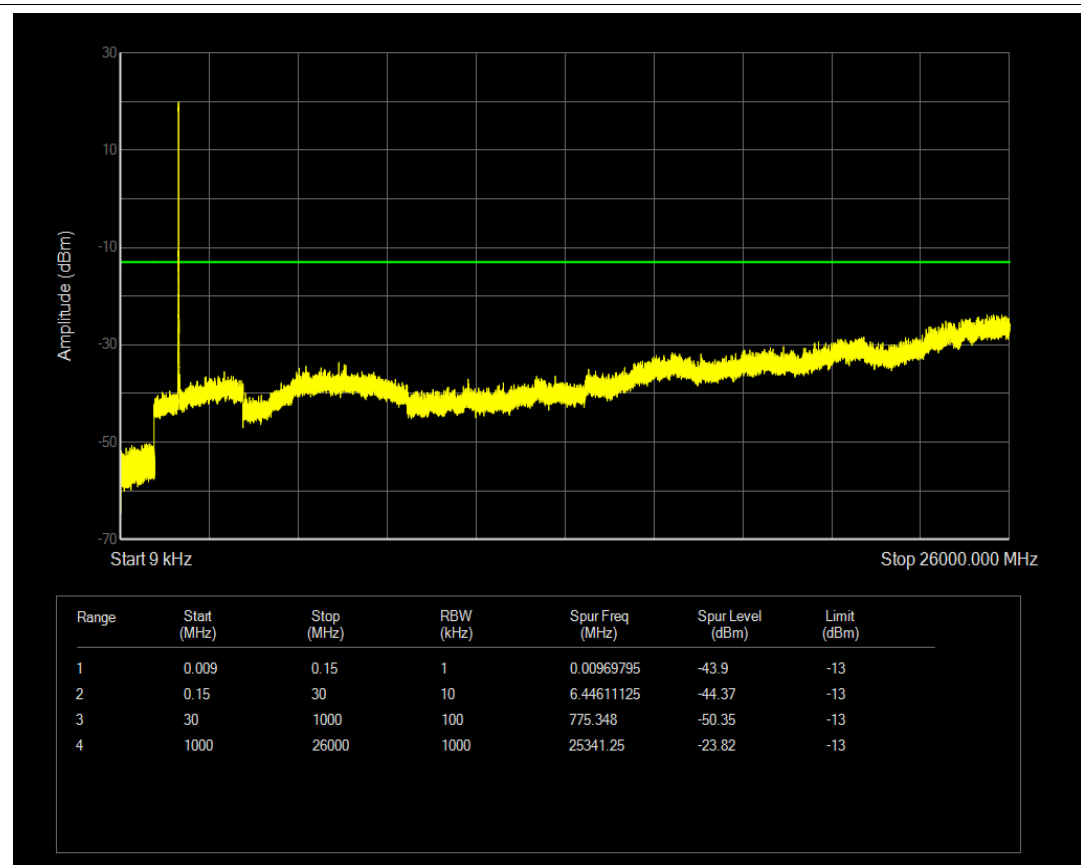


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009264375	-45.85	-13
2	0.15	30	10	6.12	-43.62	-13
3	30	1000	100	731.5525	-49.09	-13
4	1000	26000	1000	25900.625	-22.69	-13

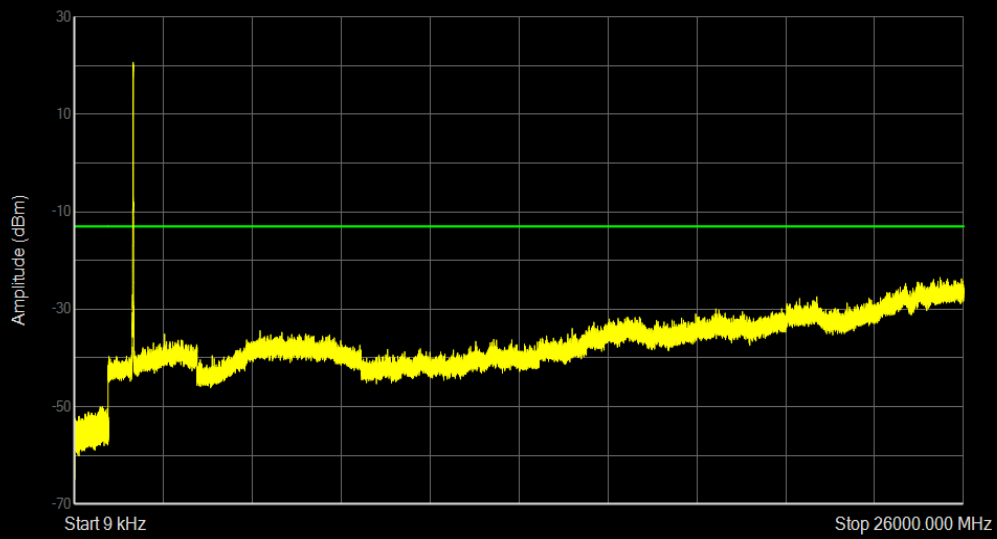
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



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

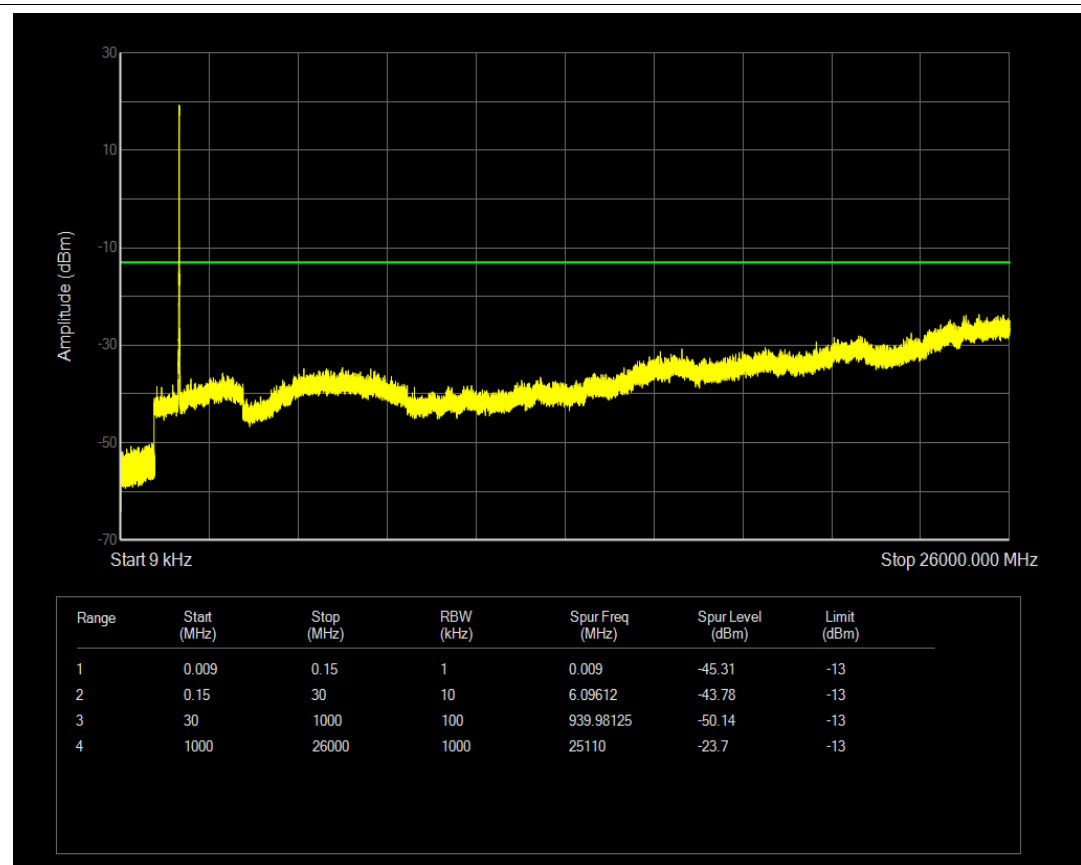


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

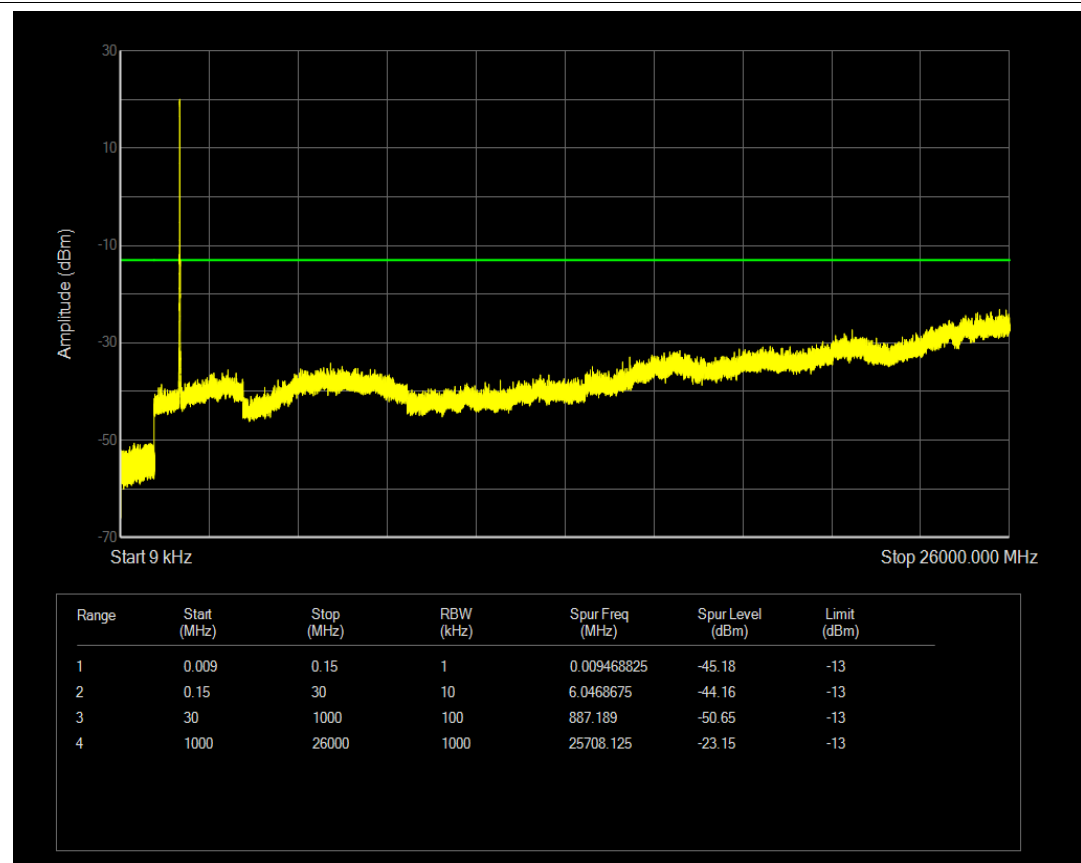


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00996585	-45.26	-13
2	0.15	30	10	6.09686625	-43	-13
3	30	1000	100	840.1925	-50.03	-13
4	1000	26000	1000	25313.75	-23.49	-13

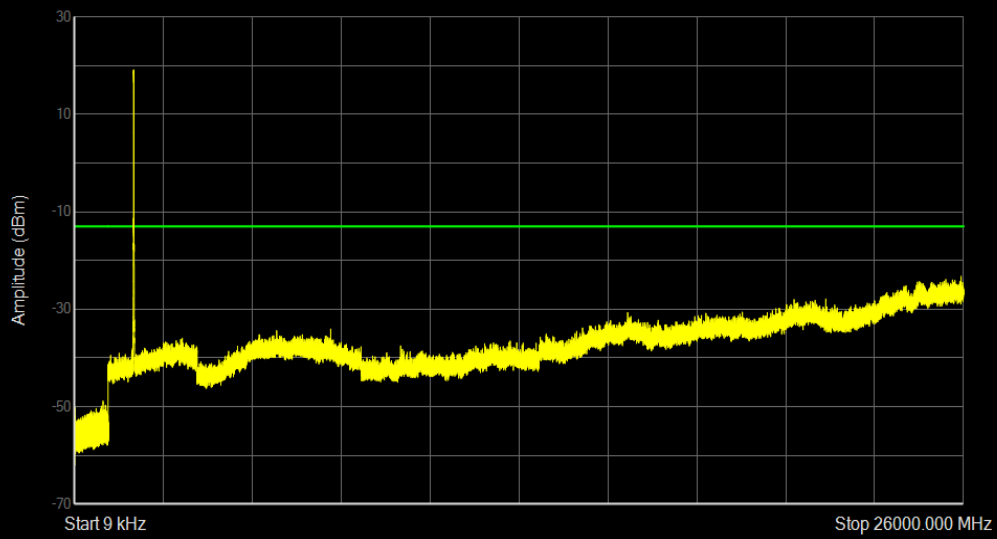
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



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

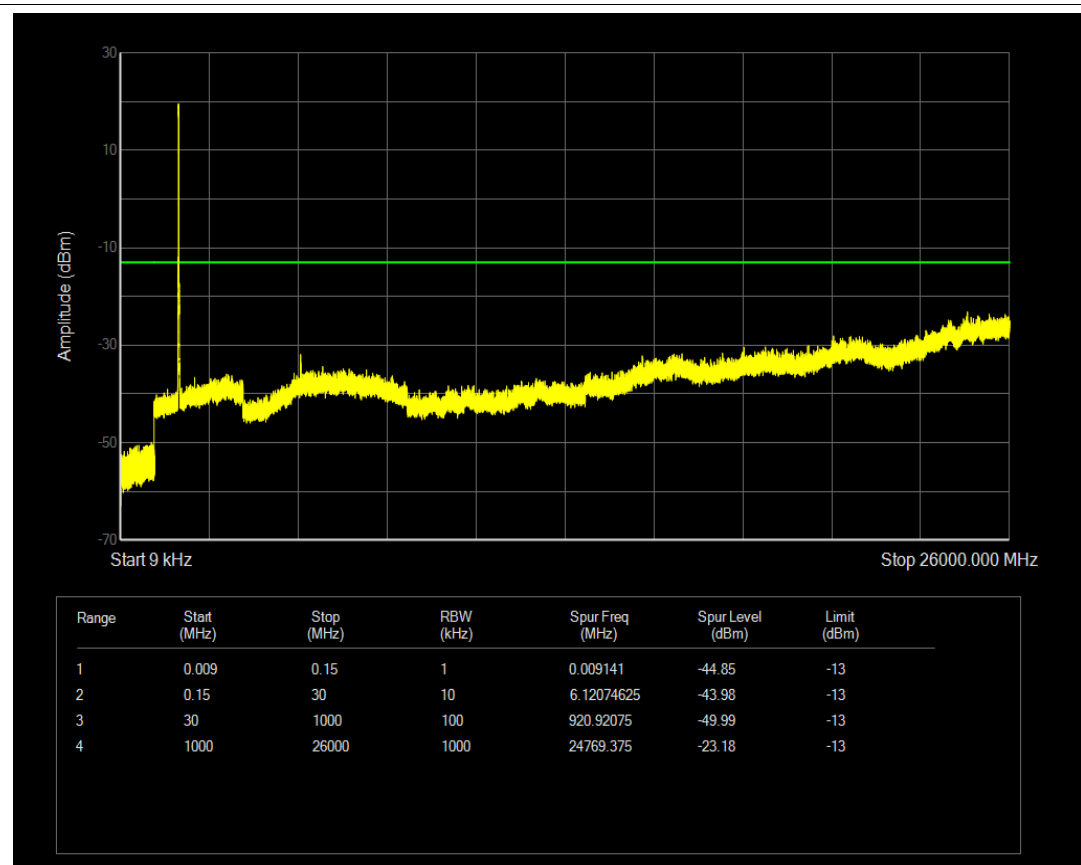


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

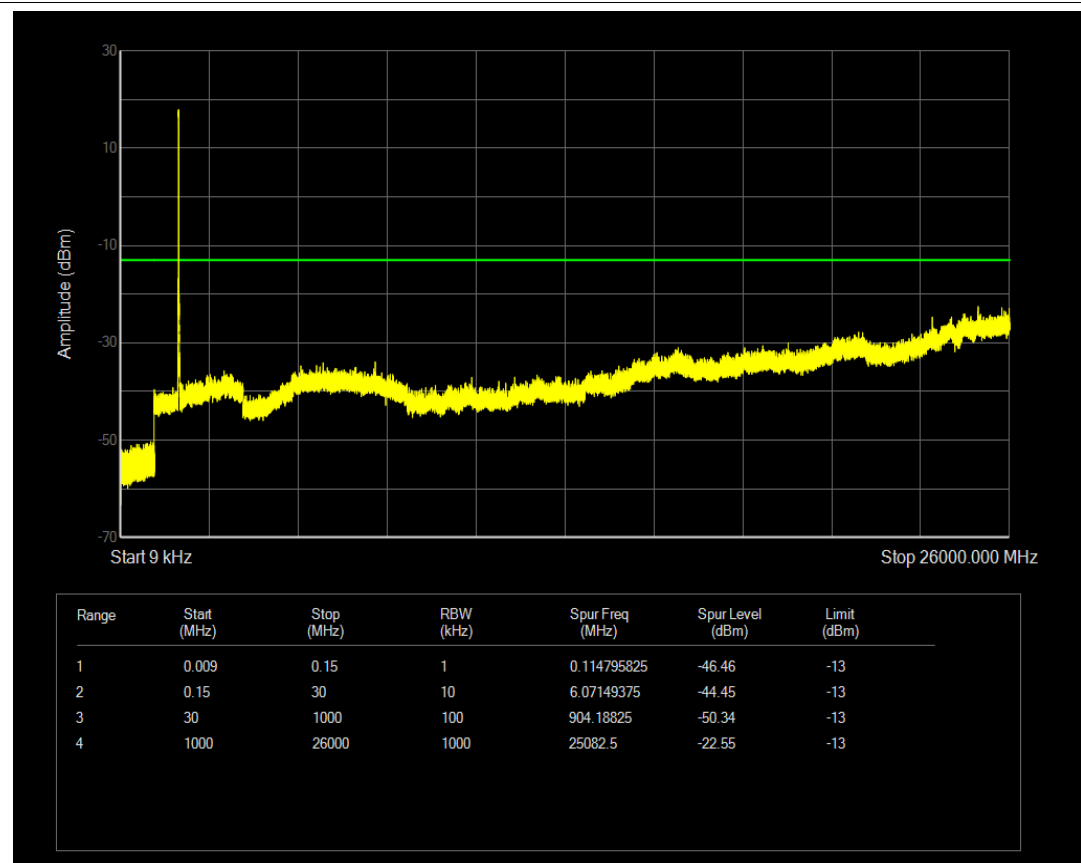


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.32	-13
2	0.15	30	10	6.122985	-43.42	-13
3	30	1000	100	854.403	-48.85	-13
4	1000	26000	1000	25926.25	-23.25	-13

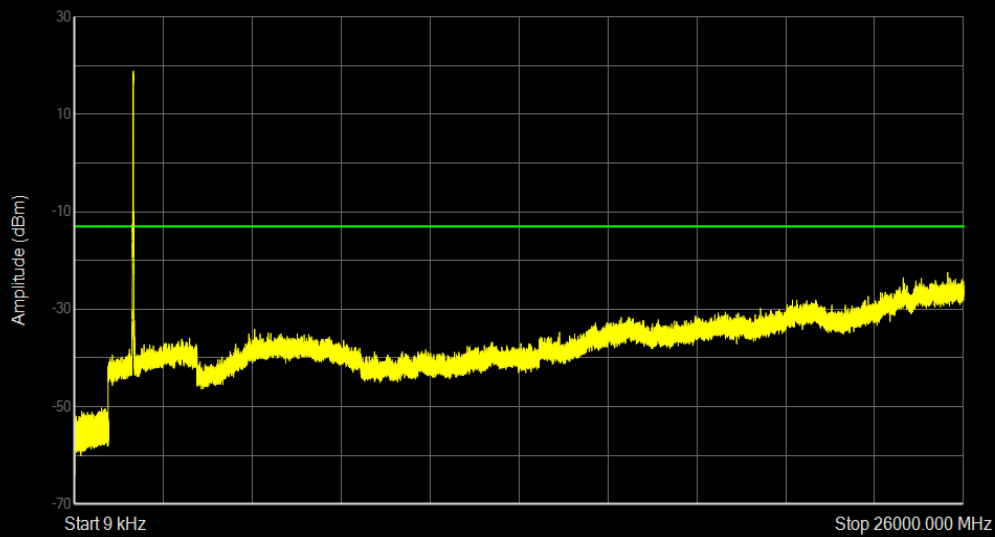
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



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

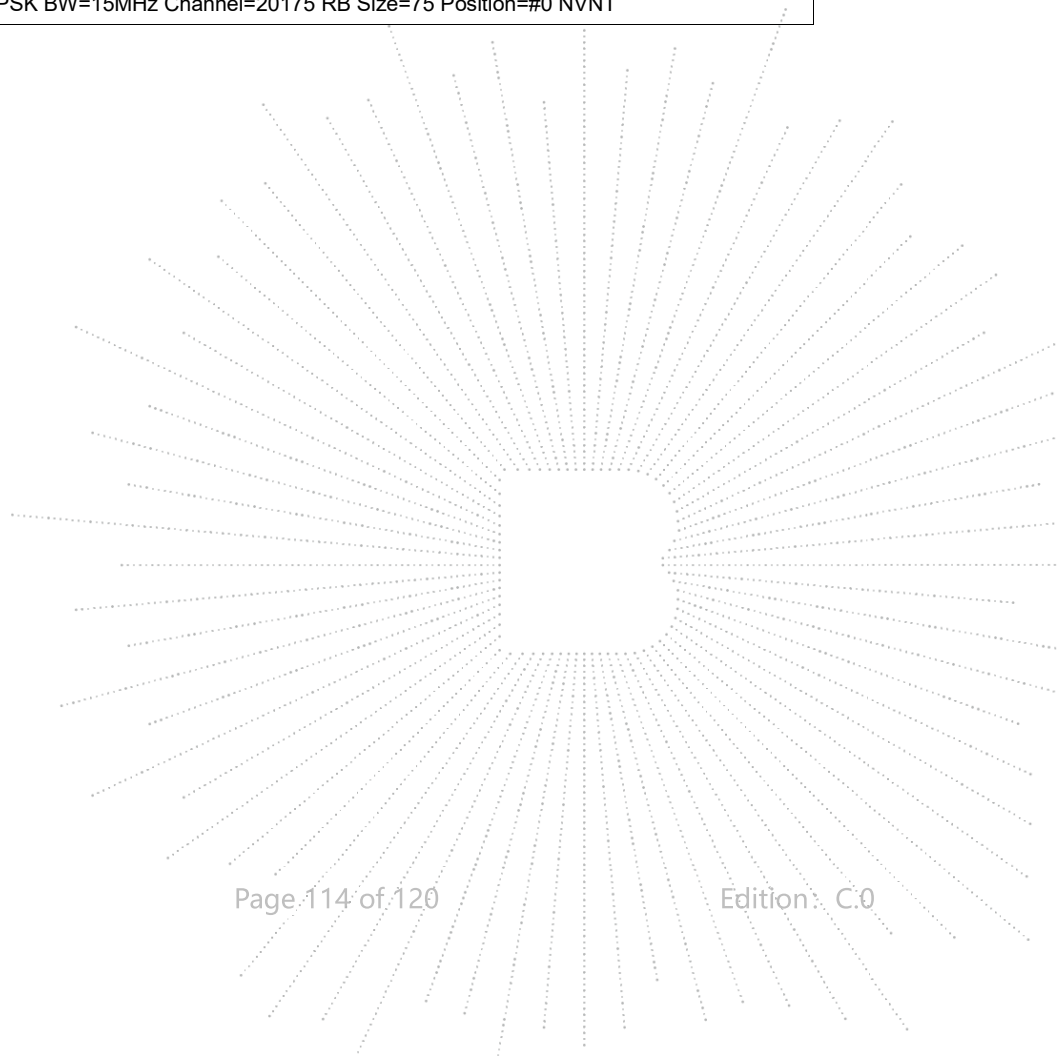


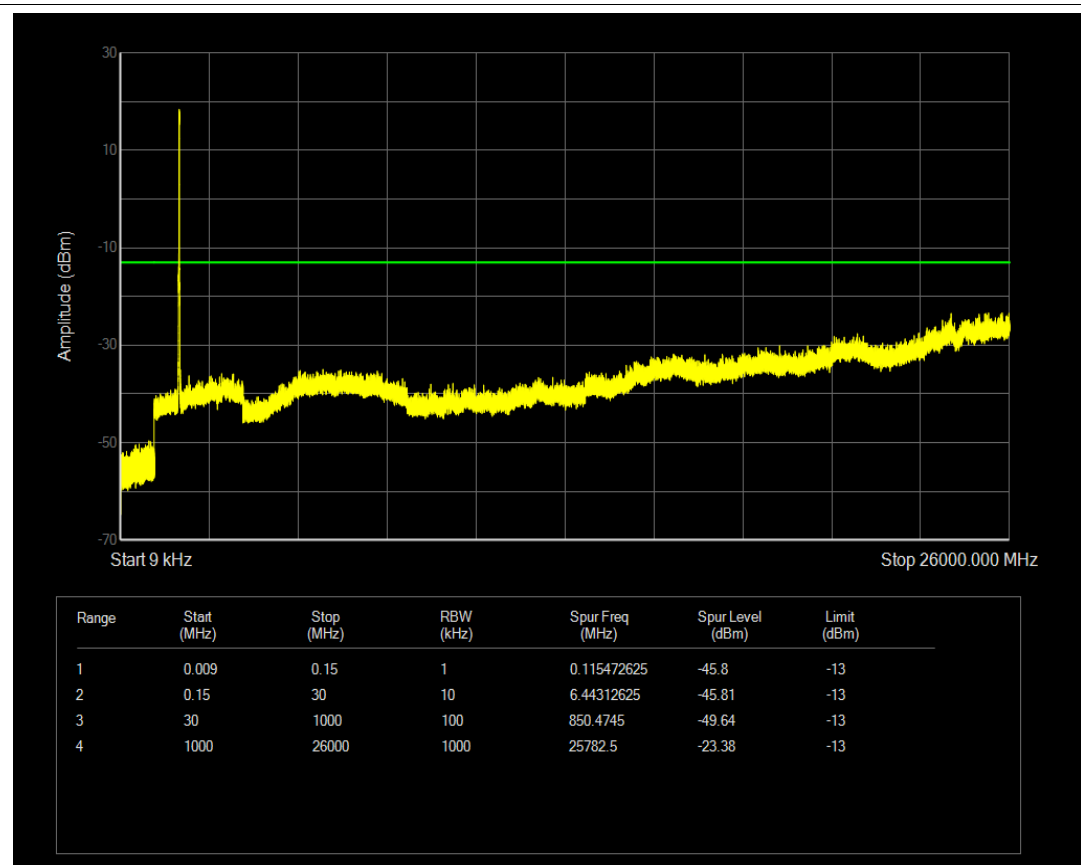
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



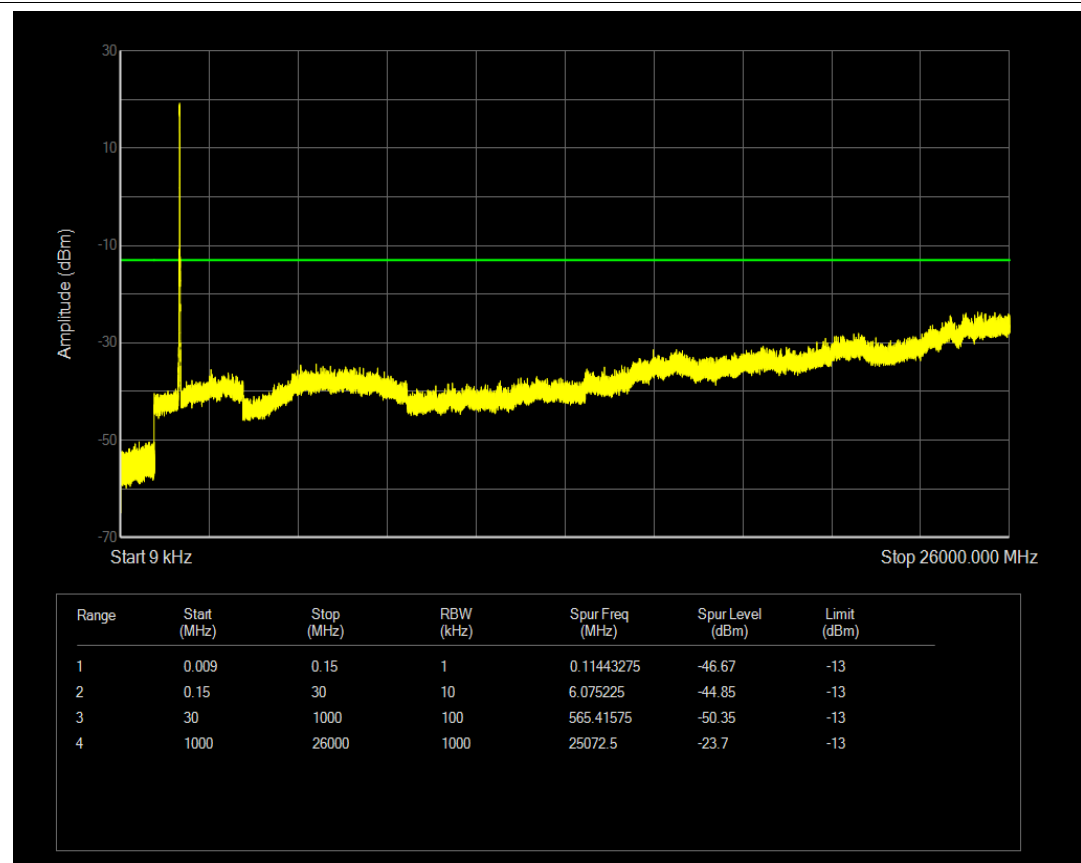
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110163	-45.63	-13
2	0.15	30	10	6.1095525	-43.59	-13
3	30	1000	100	811.55325	-50.3	-13
4	1000	26000	1000	25536.875	-22.48	-13

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

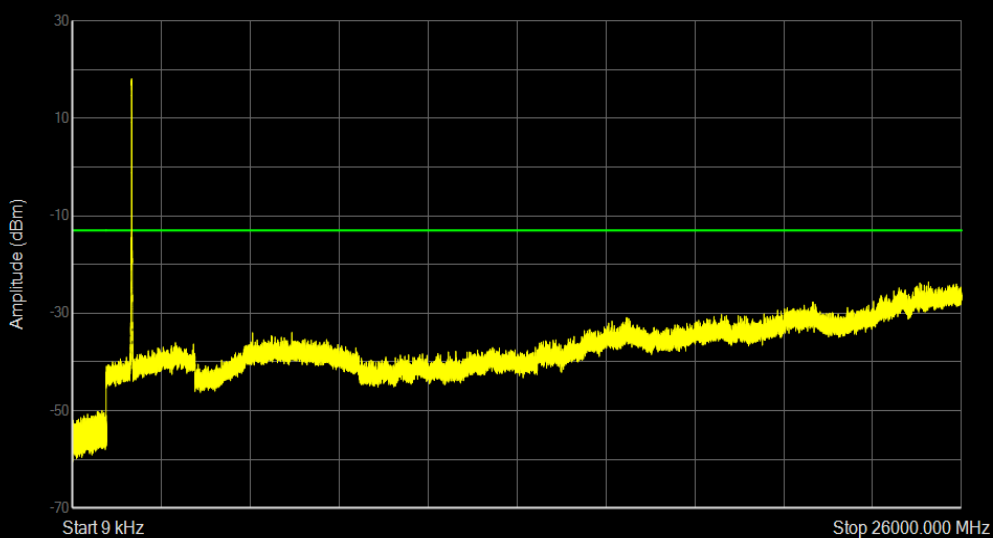




Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

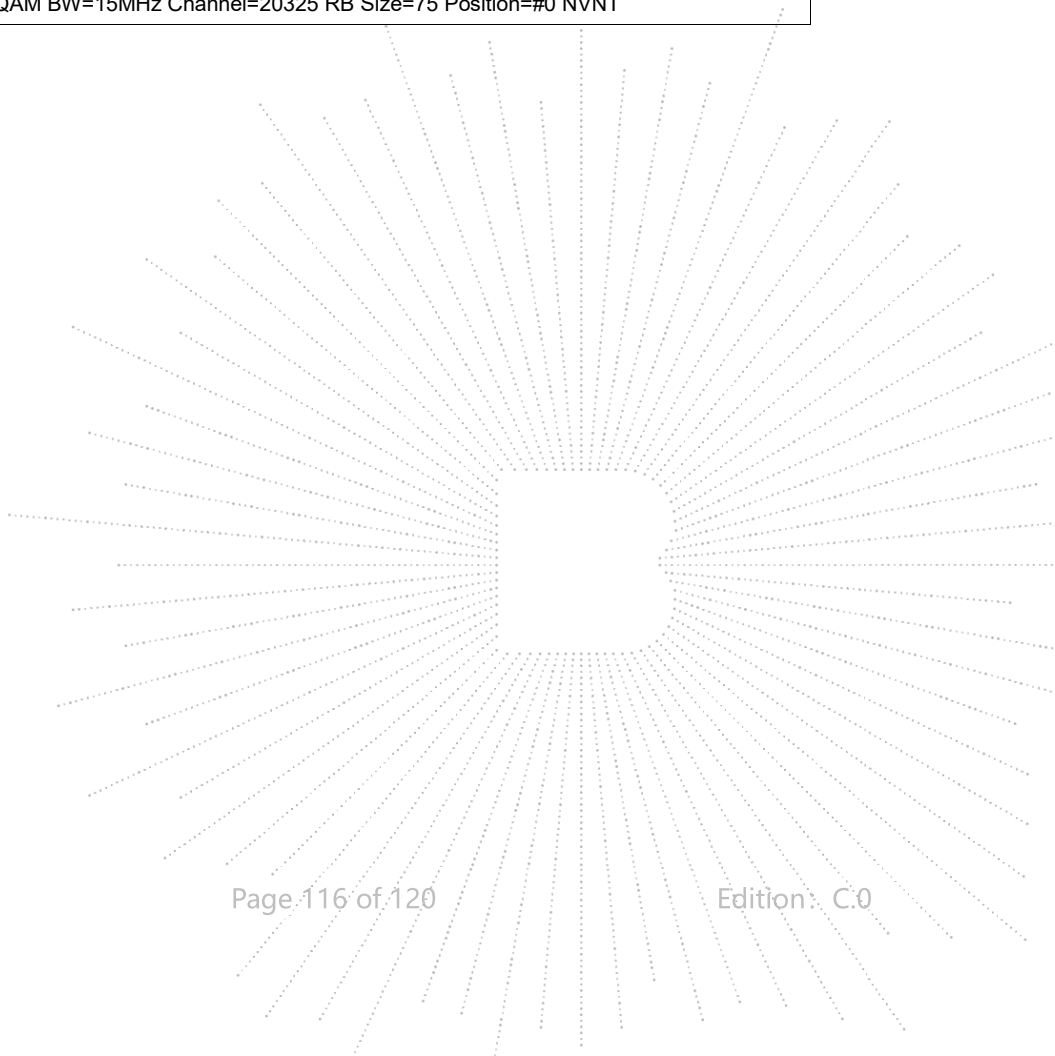


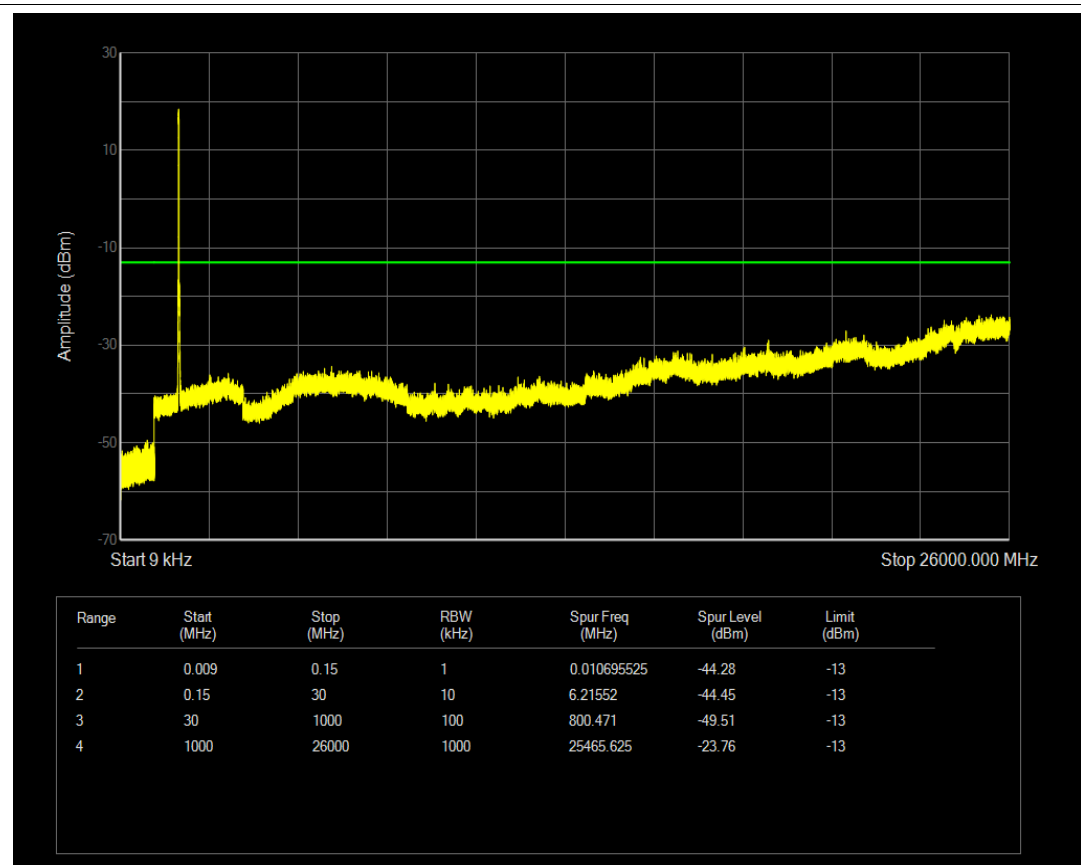
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



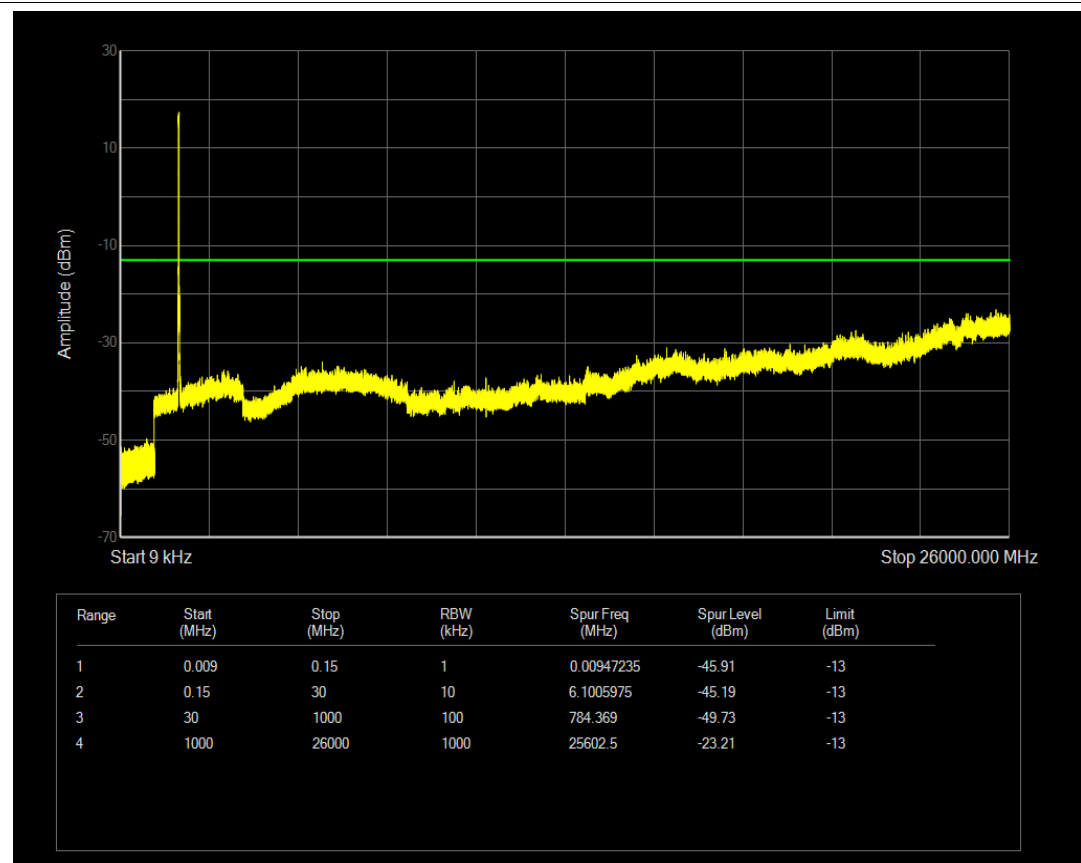
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01065675	-45.54	-13
2	0.15	30	10	6.12820875	-44.76	-13
3	30	1000	100	882.16925	-50	-13
4	1000	26000	1000	25032.5	-23.58	-13

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

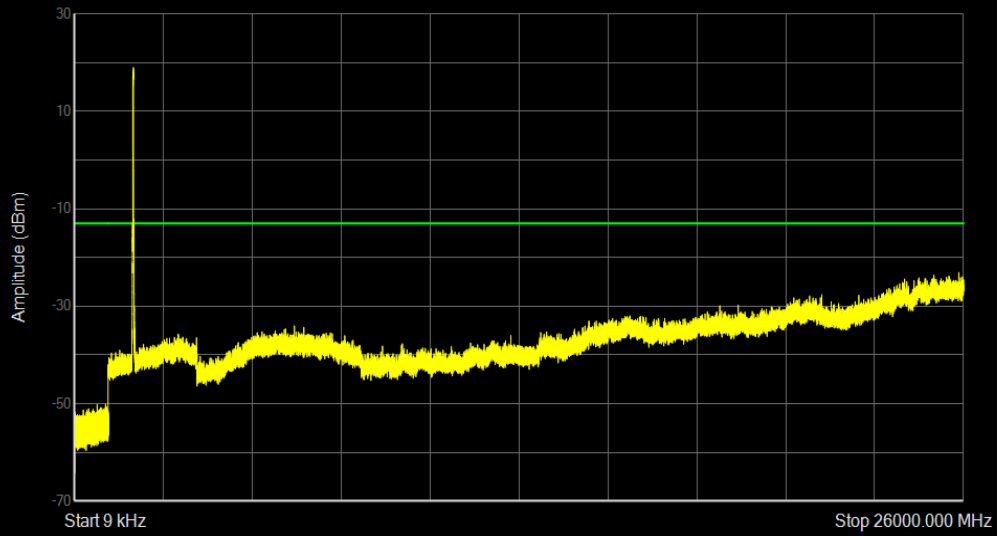




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

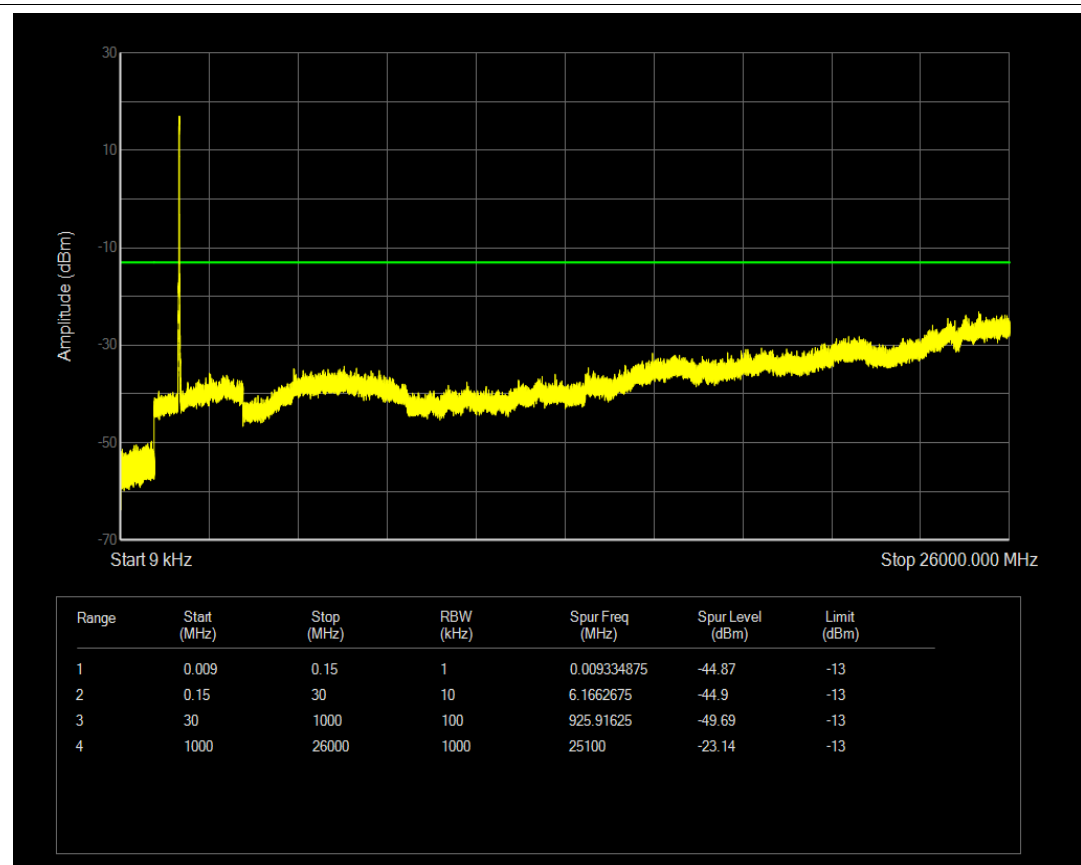


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

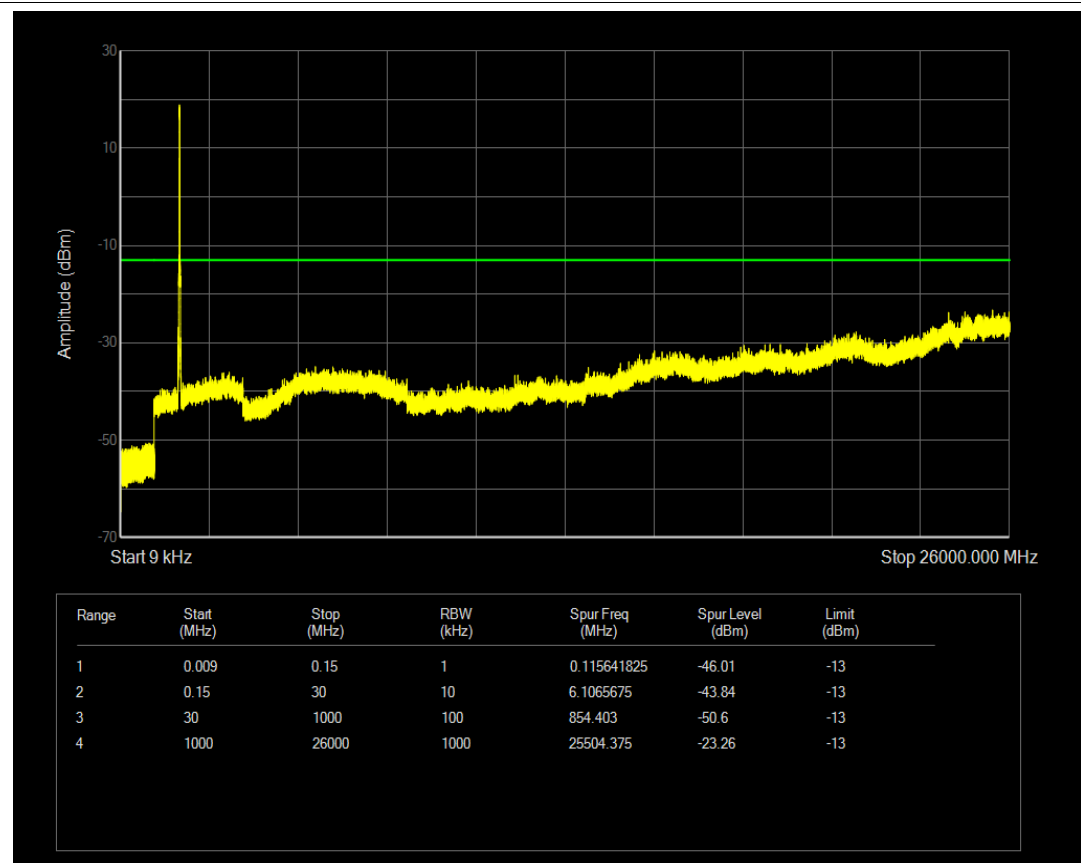


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009151575	-45.39	-13
2	0.15	30	10	6.05806125	-44.33	-13
3	30	1000	100	927.46825	-50.14	-13
4	1000	26000	1000	25861.875	-23.07	-13

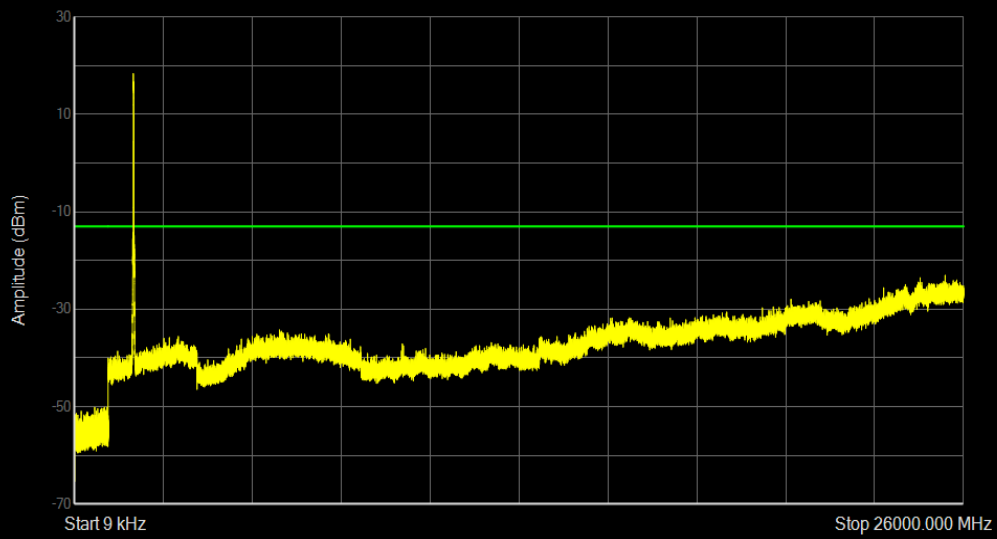
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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



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



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093525	-44.84	-13
2	0.15	30	10	6.12	-44.19	-13
3	30	1000	100	892.01475	-50.12	-13
4	1000	26000	1000	25462.5	-23.04	-13

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