

Appendix for Band 4

Report No.: BCTC2507813407-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

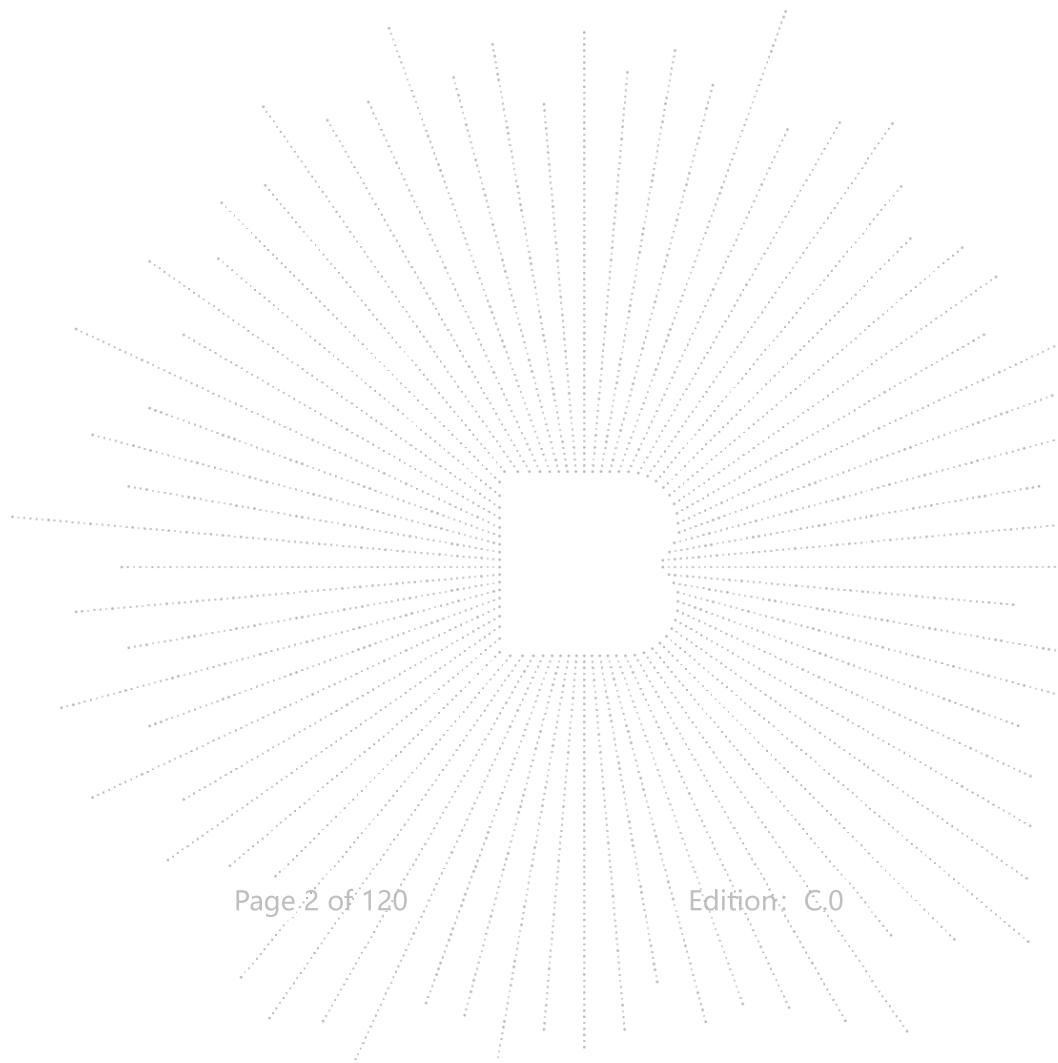
Test Model: C69

Tested Date: 2025-06-27 to 2025-08-19

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	22.24	1.15	23.39	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	22.20	1.15	23.35	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	22.22	1.15	23.37	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	22.14	1.15	23.29	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	22.22	1.15	23.37	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	22.19	1.15	23.34	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	21.74	1.15	22.89	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	22.12	1.15	23.27	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	22.13	1.15	23.28	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	22.13	1.15	23.28	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	21.77	1.15	22.92	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	21.71	1.15	22.86	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	21.70	1.15	22.85	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	20.51	1.15	21.66	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	21.88	1.15	23.03	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	22.01	1.15	23.16	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	22.03	1.15	23.18	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	21.81	1.15	22.96	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	21.86	1.15	23.01	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	21.89	1.15	23.04	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	21.38	1.15	22.53	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	22.44	1.15	23.59	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	22.49	1.15	23.64	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	22.52	1.15	23.67	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	21.21	1.15	22.36	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	21.16	1.15	22.31	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	21.22	1.15	22.37	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	20.21	1.15	21.36	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	21.84	1.15	22.99	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	21.90	1.15	23.05	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	21.81	1.15	22.96	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	21.94	1.15	23.09	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	21.99	1.15	23.14	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	21.92	1.15	23.07	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	21.41	1.15	22.56	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	22.17	1.15	23.32	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	22.11	1.15	23.26	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	22.03	1.15	23.18	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	21.40	1.15	22.55	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	21.34	1.15	22.49	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	21.33	1.15	22.48	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	19.90	1.15	21.05	PASS
NVNT	Band4	3	19965	1	#0	QPSK	22.23	1.15	23.38	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	22.22	1.15	23.37	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	22.17	1.15	23.32	PASS
NVNT	Band4	3	19965	8	#0	QPSK	21.64	1.15	22.79	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	21.74	1.15	22.89	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	21.78	1.15	22.93	PASS
NVNT	Band4	3	19965	15	#0	QPSK	21.69	1.15	22.84	PASS
NVNT	Band4	3	19965	1	#0	16QAM	22.99	1.15	24.14	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	22.98	1.15	24.13	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	22.99	1.15	24.14	PASS
NVNT	Band4	3	19965	8	#0	16QAM	20.21	1.15	21.36	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	20.21	1.15	21.36	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	20.23	1.15	21.38	PASS
NVNT	Band4	3	19965	15	#0	16QAM	20.37	1.15	21.52	PASS
NVNT	Band4	3	20175	1	#0	QPSK	21.83	1.15	22.98	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	21.91	1.15	23.06	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	21.85	1.15	23.00	PASS
NVNT	Band4	3	20175	8	#0	QPSK	21.27	1.15	22.42	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	21.38	1.15	22.53	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	21.43	1.15	22.58	PASS
NVNT	Band4	3	20175	15	#0	QPSK	21.49	1.15	22.64	PASS
NVNT	Band4	3	20175	1	#0	16QAM	22.15	1.15	23.30	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	22.22	1.15	23.37	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	22.21	1.15	23.36	PASS
NVNT	Band4	3	20175	8	#0	16QAM	20.25	1.15	21.40	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	20.25	1.15	21.40	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	20.27	1.15	21.42	PASS
NVNT	Band4	3	20175	15	#0	16QAM	20.06	1.15	21.21	PASS
NVNT	Band4	3	20385	1	#0	QPSK	22.25	1.15	23.40	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	22.28	1.15	23.43	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	22.22	1.15	23.37	PASS
NVNT	Band4	3	20385	8	#0	QPSK	21.46	1.15	22.61	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	21.49	1.15	22.64	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	21.45	1.15	22.60	PASS
NVNT	Band4	3	20385	15	#0	QPSK	21.46	1.15	22.61	PASS

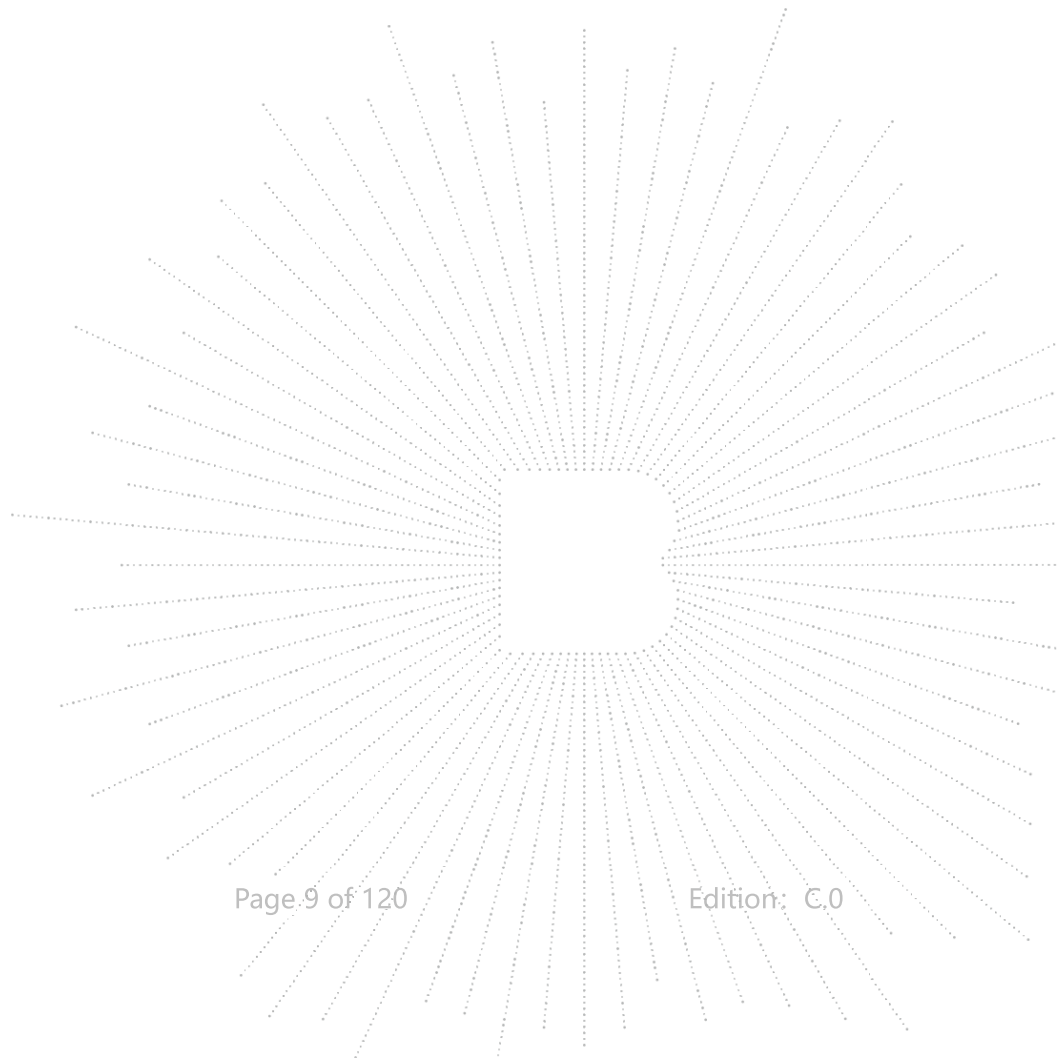
NVNT	Band4	3	20385	1	#0	16QAM	22.15	1.15	23.30	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	22.10	1.15	23.25	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	22.02	1.15	23.17	PASS
NVNT	Band4	3	20385	8	#0	16QAM	20.03	1.15	21.18	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	20.02	1.15	21.17	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	20.13	1.15	21.28	PASS
NVNT	Band4	3	20385	15	#0	16QAM	20.05	1.15	21.20	PASS
NVNT	Band4	5	19975	1	#0	QPSK	22.23	1.15	23.38	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	22.13	1.15	23.28	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	22.16	1.15	23.31	PASS
NVNT	Band4	5	19975	12	#0	QPSK	21.78	1.15	22.93	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	21.79	1.15	22.94	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	21.78	1.15	22.93	PASS
NVNT	Band4	5	19975	25	#0	QPSK	21.66	1.15	22.81	PASS
NVNT	Band4	5	19975	1	#0	16QAM	21.88	1.15	23.03	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	21.81	1.15	22.96	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	21.78	1.15	22.93	PASS
NVNT	Band4	5	19975	12	#0	16QAM	20.24	1.15	21.39	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	20.24	1.15	21.39	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	20.23	1.15	21.38	PASS
NVNT	Band4	5	19975	25	#0	16QAM	20.45	1.15	21.60	PASS
NVNT	Band4	5	20175	1	#0	QPSK	21.82	1.15	22.97	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	21.97	1.15	23.12	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	21.92	1.15	23.07	PASS
NVNT	Band4	5	20175	12	#0	QPSK	21.42	1.15	22.57	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	21.48	1.15	22.63	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	21.47	1.15	22.62	PASS
NVNT	Band4	5	20175	25	#0	QPSK	21.45	1.15	22.60	PASS
NVNT	Band4	5	20175	1	#0	16QAM	21.09	1.15	22.24	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	21.18	1.15	22.33	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	21.14	1.15	22.29	PASS
NVNT	Band4	5	20175	12	#0	16QAM	19.87	1.15	21.02	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	19.87	1.15	21.02	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	19.83	1.15	20.98	PASS
NVNT	Band4	5	20175	25	#0	16QAM	20.08	1.15	21.23	PASS
NVNT	Band4	5	20375	1	#0	QPSK	21.89	1.15	23.04	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	21.86	1.15	23.01	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	21.83	1.15	22.98	PASS
NVNT	Band4	5	20375	12	#0	QPSK	21.48	1.15	22.63	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	21.47	1.15	22.62	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	21.46	1.15	22.61	PASS
NVNT	Band4	5	20375	25	#0	QPSK	21.49	1.15	22.64	PASS

NVNT	Band4	5	20375	1	#0	16QAM	21.66	1.15	22.81	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	21.62	1.15	22.77	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	21.59	1.15	22.74	PASS
NVNT	Band4	5	20375	12	#0	16QAM	20.08	1.15	21.23	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	20.01	1.15	21.16	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	19.95	1.15	21.10	PASS
NVNT	Band4	5	20375	25	#0	16QAM	20.00	1.15	21.15	PASS
NVNT	Band4	10	20000	1	#0	QPSK	22.14	1.15	23.29	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	22.08	1.15	23.23	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	21.95	1.15	23.10	PASS
NVNT	Band4	10	20000	25	#0	QPSK	21.72	1.15	22.87	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	21.55	1.15	22.70	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	21.56	1.15	22.71	PASS
NVNT	Band4	10	20000	50	#0	QPSK	21.72	1.15	22.87	PASS
NVNT	Band4	10	20000	1	#0	16QAM	22.92	1.15	24.07	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	22.93	1.15	24.08	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	22.75	1.15	23.90	PASS
NVNT	Band4	10	20000	25	#0	16QAM	20.29	1.15	21.44	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	20.34	1.15	21.49	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	20.25	1.15	21.40	PASS
NVNT	Band4	10	20000	50	#0	16QAM	20.28	1.15	21.43	PASS
NVNT	Band4	10	20175	1	#0	QPSK	21.89	1.15	23.04	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	21.97	1.15	23.12	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	21.96	1.15	23.11	PASS
NVNT	Band4	10	20175	25	#0	QPSK	21.31	1.15	22.46	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	21.33	1.15	22.48	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	21.32	1.15	22.47	PASS
NVNT	Band4	10	20175	50	#0	QPSK	21.36	1.15	22.51	PASS
NVNT	Band4	10	20175	1	#0	16QAM	21.39	1.15	22.54	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	21.53	1.15	22.68	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	21.46	1.15	22.61	PASS
NVNT	Band4	10	20175	25	#0	16QAM	20.01	1.15	21.16	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	20.09	1.15	21.24	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	19.94	1.15	21.09	PASS
NVNT	Band4	10	20175	50	#0	16QAM	20.12	1.15	21.27	PASS
NVNT	Band4	10	20350	1	#0	QPSK	22.13	1.15	23.28	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	22.13	1.15	23.28	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	21.94	1.15	23.09	PASS
NVNT	Band4	10	20350	25	#0	QPSK	21.56	1.15	22.71	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	21.61	1.15	22.76	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	21.41	1.15	22.56	PASS
NVNT	Band4	10	20350	50	#0	QPSK	21.52	1.15	22.67	PASS

NVNT	Band4	10	20350	1	#0	16QAM	21.71	1.15	22.86	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	21.75	1.15	22.90	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	21.63	1.15	22.78	PASS
NVNT	Band4	10	20350	25	#0	16QAM	20.12	1.15	21.27	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	20.07	1.15	21.22	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	20.09	1.15	21.24	PASS
NVNT	Band4	10	20350	50	#0	16QAM	20.12	1.15	21.27	PASS
NVNT	Band4	15	20025	1	#0	QPSK	22.12	1.15	23.27	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	22.03	1.15	23.18	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	21.78	1.15	22.93	PASS
NVNT	Band4	15	20025	36	#0	QPSK	21.66	1.15	22.81	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	21.52	1.15	22.67	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	21.56	1.15	22.71	PASS
NVNT	Band4	15	20025	75	#0	QPSK	21.45	1.15	22.60	PASS
NVNT	Band4	15	20025	1	#0	16QAM	22.98	1.15	24.13	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	22.82	1.15	23.97	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	22.66	1.15	23.81	PASS
NVNT	Band4	15	20025	36	#0	16QAM	20.25	1.15	21.40	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	20.12	1.15	21.27	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	20.03	1.15	21.18	PASS
NVNT	Band4	15	20025	75	#0	16QAM	20.15	1.15	21.30	PASS
NVNT	Band4	15	20175	1	#0	QPSK	21.96	1.15	23.11	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	22.01	1.15	23.16	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	22.02	1.15	23.17	PASS
NVNT	Band4	15	20175	36	#0	QPSK	21.32	1.15	22.47	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	21.37	1.15	22.52	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	21.45	1.15	22.60	PASS
NVNT	Band4	15	20175	75	#0	QPSK	21.52	1.15	22.67	PASS
NVNT	Band4	15	20175	1	#0	16QAM	21.46	1.15	22.61	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	21.50	1.15	22.65	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	21.50	1.15	22.65	PASS
NVNT	Band4	15	20175	36	#0	16QAM	20.12	1.15	21.27	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	20.07	1.15	21.22	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	20.05	1.15	21.20	PASS
NVNT	Band4	15	20175	75	#0	16QAM	20.08	1.15	21.23	PASS
NVNT	Band4	15	20325	1	#0	QPSK	22.04	1.15	23.19	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	22.16	1.15	23.31	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	22.00	1.15	23.15	PASS
NVNT	Band4	15	20325	36	#0	QPSK	21.57	1.15	22.72	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	21.46	1.15	22.61	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	21.38	1.15	22.53	PASS
NVNT	Band4	15	20325	75	#0	QPSK	21.50	1.15	22.65	PASS

NVNT	Band4	15	20325	1	#0	16QAM	22.30	1.15	23.45	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	22.41	1.15	23.56	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	22.37	1.15	23.52	PASS
NVNT	Band4	15	20325	36	#0	16QAM	20.04	1.15	21.19	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	20.04	1.15	21.19	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	20.07	1.15	21.22	PASS
NVNT	Band4	15	20325	75	#0	16QAM	20.16	1.15	21.31	PASS
NVNT	Band4	20	20050	1	#0	QPSK	22.15	1.15	23.30	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	21.96	1.15	23.11	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	21.86	1.15	23.01	PASS
NVNT	Band4	20	20050	50	#0	QPSK	21.71	1.15	22.86	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	21.48	1.15	22.63	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	21.53	1.15	22.68	PASS
NVNT	Band4	20	20050	100	#0	QPSK	21.49	1.15	22.64	PASS
NVNT	Band4	20	20050	1	#0	16QAM	21.41	1.15	22.56	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	21.22	1.15	22.37	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	21.04	1.15	22.19	PASS
NVNT	Band4	20	20050	50	#0	16QAM	20.28	1.15	21.43	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	20.19	1.15	21.34	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	20.03	1.15	21.18	PASS
NVNT	Band4	20	20050	100	#0	16QAM	20.17	1.15	21.32	PASS
NVNT	Band4	20	20175	1	#0	QPSK	22.16	1.15	23.31	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	22.18	1.15	23.33	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	22.21	1.15	23.36	PASS
NVNT	Band4	20	20175	50	#0	QPSK	21.34	1.15	22.49	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	21.48	1.15	22.63	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	21.34	1.15	22.49	PASS
NVNT	Band4	20	20175	100	#0	QPSK	21.40	1.15	22.55	PASS
NVNT	Band4	20	20175	1	#0	16QAM	21.61	1.15	22.76	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	21.56	1.15	22.71	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	21.63	1.15	22.78	PASS
NVNT	Band4	20	20175	50	#0	16QAM	19.94	1.15	21.09	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	20.10	1.15	21.25	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	19.96	1.15	21.11	PASS
NVNT	Band4	20	20175	100	#0	16QAM	20.01	1.15	21.16	PASS
NVNT	Band4	20	20300	1	#0	QPSK	21.92	1.15	23.07	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	22.10	1.15	23.25	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	22.01	1.15	23.16	PASS
NVNT	Band4	20	20300	50	#0	QPSK	21.35	1.15	22.50	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	21.56	1.15	22.71	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	21.49	1.15	22.64	PASS
NVNT	Band4	20	20300	100	#0	QPSK	21.47	1.15	22.62	PASS

NVNT	Band4	20	20300	1	#0	16QAM	21.88	1.15	23.03	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	22.01	1.15	23.16	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	22.01	1.15	23.16	PASS
NVNT	Band4	20	20300	50	#0	16QAM	20.11	1.15	21.26	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	20.14	1.15	21.29	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	20.14	1.15	21.29	PASS
NVNT	Band4	20	20300	100	#0	16QAM	20.09	1.15	21.24	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	29.33	0.017	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	0.46	0.000	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-12.59	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	9.21	0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	-4.16	-0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	-10.33	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	-0.50	0.000	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	-5.95	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	-11.09	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	-16.22	-0.009	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	-21.34	-0.012	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	-15.01	-0.009	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	4.59	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	10.34	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	5.78	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-1.56	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-6.14	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	-12.93	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-7.41	-0.004	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-13.42	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-4.65	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-12.67	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-4.99	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-3.83	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	-7.34	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	-11.12	-0.006	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	-18.80	-0.011	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	-22.83	-0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	-27.77	-0.016	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	-33.30	-0.019	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	-24.39	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-5.89	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	-6.54	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-8.71	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	-14.52	-0.008	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	-7.27	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	-6.67	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-17.67	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	-25.71	-0.015	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	-23.67	-0.014	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	-27.62	-0.016	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	-34.58	-0.020	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	-16.42	-0.009	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	-21.99	-0.013	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	-29.34	-0.017	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	-34.05	-0.020	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	-38.41	-0.022	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	-43.70	-0.025	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-34.86	-0.020	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	9.20	0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	4.13	0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	-0.66	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	4.29	0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	0.07	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	5.74	0.003	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	-0.94	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	4.78	0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	6.09	0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	1.07	0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	0.51	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	-18.90	-0.011	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	0.03	0.000	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	0.41	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	3.35	0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	6.81	0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	1.29	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	-14.53	-0.008	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	-8.83	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	-10.56	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	-5.05	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	-3.89	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	10.44	0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	6.79	0.004	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	-8.10	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	-8.84	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	-7.48	-0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	-16.01	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	-19.43	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	-16.06	-0.009	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	-27.78	-0.016	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	1.06	0.001	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	-9.07	-0.005	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	-14.20	-0.008	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	-20.71	-0.012	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-4.76	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-0.50	0.000	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	-8.61	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	-5.71	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	-3.98	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	-9.08	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-8.88	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	-8.48	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	-15.22	-0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	10.46	0.006	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	2.45	0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	-7.62	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	-23.12	-0.013	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	-20.56	-0.012	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	-24.42	-0.014	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	-4.35	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	-8.57	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	-17.50	-0.010	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	-3.05	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	-9.40	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	-14.35	-0.008	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	-14.32	-0.008	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	-6.97	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	-1.82	-0.001	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	1.29	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	2.80	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	-1.72	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	-6.27	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	-14.26	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	-3.96	-0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	-6.34	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	-15.29	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	-23.26	-0.014	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	-8.31	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	-15.95	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	-22.49	-0.013	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	-8.65	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	-16.95	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-11.36	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	-7.17	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	-26.75	-0.015	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-12.23	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-6.55	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	-24.23	-0.014	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	1.72	0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	-6.47	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	-16.39	-0.009	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	-24.02	-0.014	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	3.50	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	-0.30	0.000	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	-6.48	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	13.55	0.008	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	-1.77	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	-6.65	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-11.87	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	-16.79	-0.010	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	1.60	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	6.64	0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	-0.31	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	-7.78	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	-14.28	-0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	2.92	0.002	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	-3.43	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	-16.08	-0.009	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	-32.39	-0.018	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	-28.07	-0.016	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-13.19	-0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	-25.48	-0.015	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	-30.23	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	-14.68	-0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	-25.75	-0.015	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	-10.84	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	5.68	0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	-7.94	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	12.23	0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	5.55	0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	0.09	0.000	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-5.34	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-4.59	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	-2.98	-0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	-6.44	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	-2.46	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	2.27	0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	-0.67	0.000	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	-6.88	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	-1.44	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	-5.22	-0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	-8.10	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-7.72	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-14.73	-0.009	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-14.00	-0.008	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	-11.24	-0.006	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	-15.98	-0.009	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	-23.56	-0.014	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	-28.14	-0.016	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	-33.86	-0.020	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-36.71	-0.021	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	-40.77	-0.024	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-41.94	-0.024	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	-47.01	-0.027	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	-8.31	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	11.40	0.007	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	-13.99	-0.008	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	-22.16	-0.013	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	-34.33	-0.020	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	-3.88	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-6.44	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-13.16	-0.008	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-18.87	-0.011	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-23.80	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-25.96	-0.015	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-32.11	-0.018	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-26.19	-0.015	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-6.02	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-9.84	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	-15.21	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-19.38	-0.011	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	-23.03	-0.013	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	-27.98	-0.016	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	-29.14	-0.017	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	-7.91	-0.005	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	-10.64	-0.006	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	-14.99	-0.009	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	-17.09	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	-20.16	-0.012	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	-24.99	-0.015	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	-3.66	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	-5.45	-0.003	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-17.47	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	1.96	0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-15.79	-0.009	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-11.19	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-17.31	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-9.36	-0.005	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	0.80	0.000	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	-2.17	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	-17.61	-0.010	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	-13.50	-0.008	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	-18.50	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-24.49	-0.014	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	-6.14	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	3.06	0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	-11.01	-0.006	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	-16.02	-0.009	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	-18.61	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	-21.31	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	-21.21	-0.012	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	-21.21	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	-20.27	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	3.45	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	-1.70	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	5.85	0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	4.33	0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	1.24	0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-2.07	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-7.72	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-15.55	-0.009	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-1.83	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-0.76	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-7.37	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-2.68	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	5.04	0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-0.19	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-5.01	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-3.05	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	0.21	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	-2.60	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	6.91	0.004	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	-5.09	-0.003	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	1.97	0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-2.95	-0.002	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-5.64	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-9.28	-0.005	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-21.49	-0.013	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-14.23	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-16.48	-0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-31.36	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	-0.67	0.000	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	3.69	0.002	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-10.31	-0.006	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	4.66	0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	-2.20	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	2.73	0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	-7.38	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	-3.66	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	-0.54	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	-10.90	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	-19.30	-0.011	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	-5.72	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	-8.87	-0.005	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-6.77	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-11.73	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	-3.06	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	-1.16	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	-4.94	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	-12.37	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	-5.72	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	-10.36	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	-14.46	-0.008	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	0.06	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	7.21	0.004	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	-9.53	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	-0.62	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-2.22	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	0.01	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-11.09	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	-14.03	-0.008	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-9.47	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	-16.71	-0.010	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	0.96	0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	-15.58	-0.009	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	-5.44	-0.003	PASS

	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	-9.28	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	1.07	0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	-4.85	-0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-16.92	-0.010	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-9.98	-0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	-0.31	0.000	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	-7.77	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-4.36	-0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-16.11	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-29.94	-0.017	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	-12.59	-0.007	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	-9.27	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	-2.99	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	7.42	0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	6.17	0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	6.02	0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	3.16	0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	2.52	0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	5.28	0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	-26.09	-0.015	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	-30.24	-0.017	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	-36.21	-0.021	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	-3.88	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	-8.73	-0.005	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	-4.68	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	3.03	0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	0.24	0.000	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	2.65	0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	-11.09	-0.006	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	0.59	0.000	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	-7.02	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	-7.04	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	-3.30	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	3.73	0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	7.52	0.004	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	-5.56	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-10.33	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	-8.35	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-4.92	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	5.02	0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-3.88	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	-5.11	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-2.52	-0.001	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-19.86	-0.011	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-0.40	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-2.47	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	-2.17	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	-4.56	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	1.56	0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	1.19	0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	-3.19	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	6.04	0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	0.01	0.000	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-4.61	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	1.72	0.001	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-9.26	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-16.58	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-20.21	-0.012	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-15.48	-0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-4.28	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-12.96	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	-10.24	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	-2.46	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	2.63	0.002	PASS

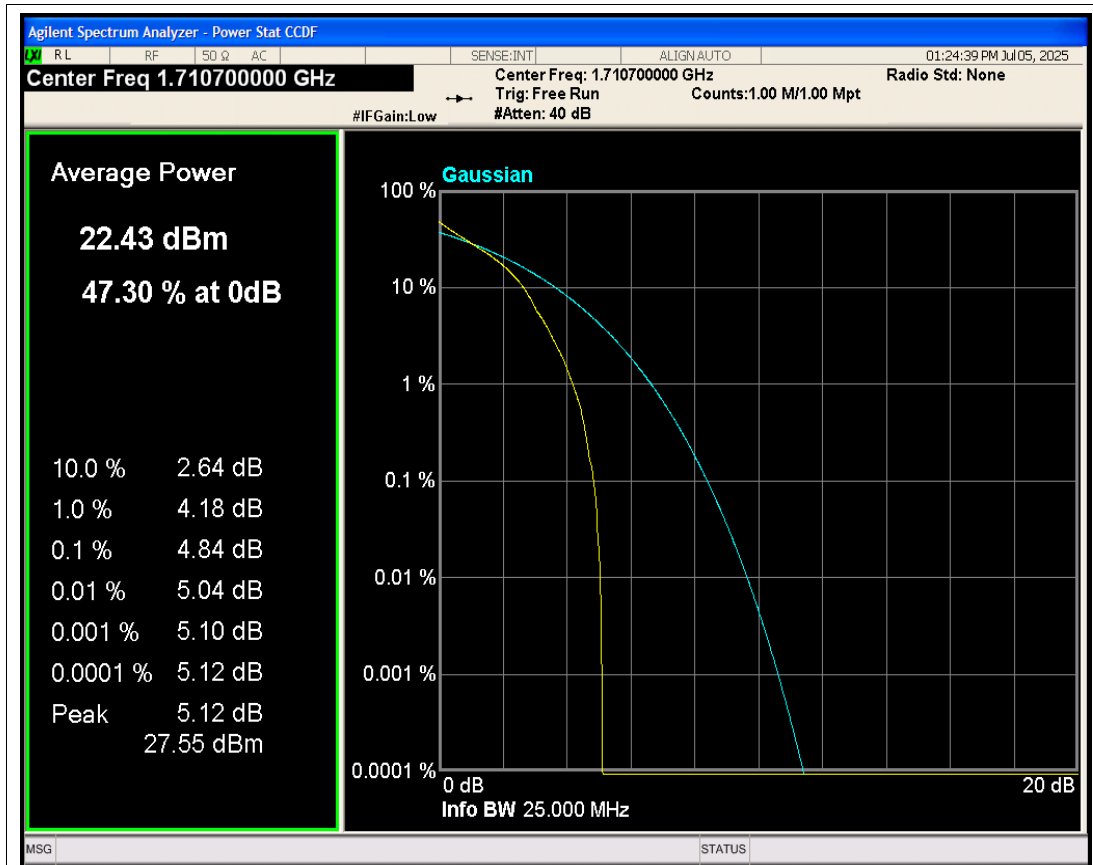
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	-3.05	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	-1.95	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-4.52	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	-14.06	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	-8.31	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	-6.04	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	7.93	0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	9.43	0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	0.53	0.000	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	2.25	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	2.52	0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	-4.96	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	1.33	0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	2.73	0.002	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	-2.40	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	5.56	0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	6.42	0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	3.76	0.002	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	-0.69	0.000	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	-8.08	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	-3.98	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	-11.74	-0.007	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-3.59	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-11.59	-0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-8.83	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	-12.20	-0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-7.67	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	-10.59	-0.006	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	-4.22	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	4.15	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	3.55	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	-0.97	-0.001	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	4.71	0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	-0.90	-0.001	PASS

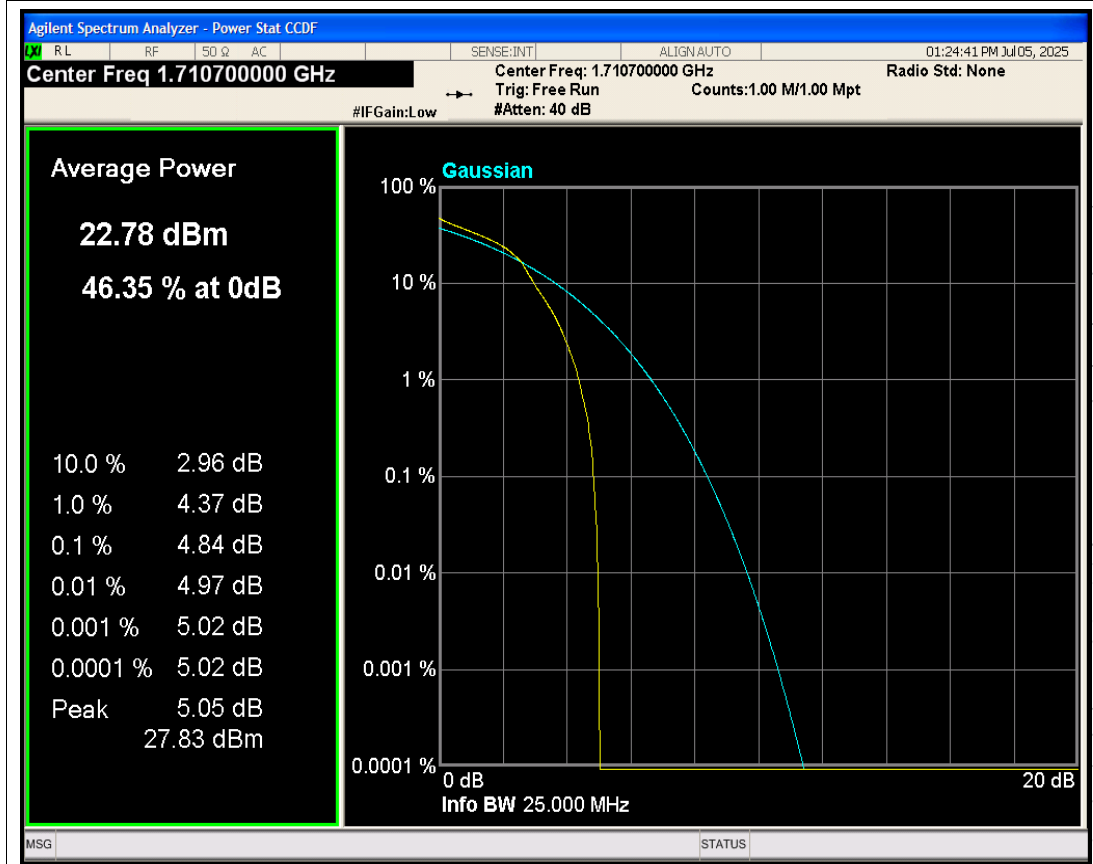
Appendix 3. Peak-to-Average Ratio

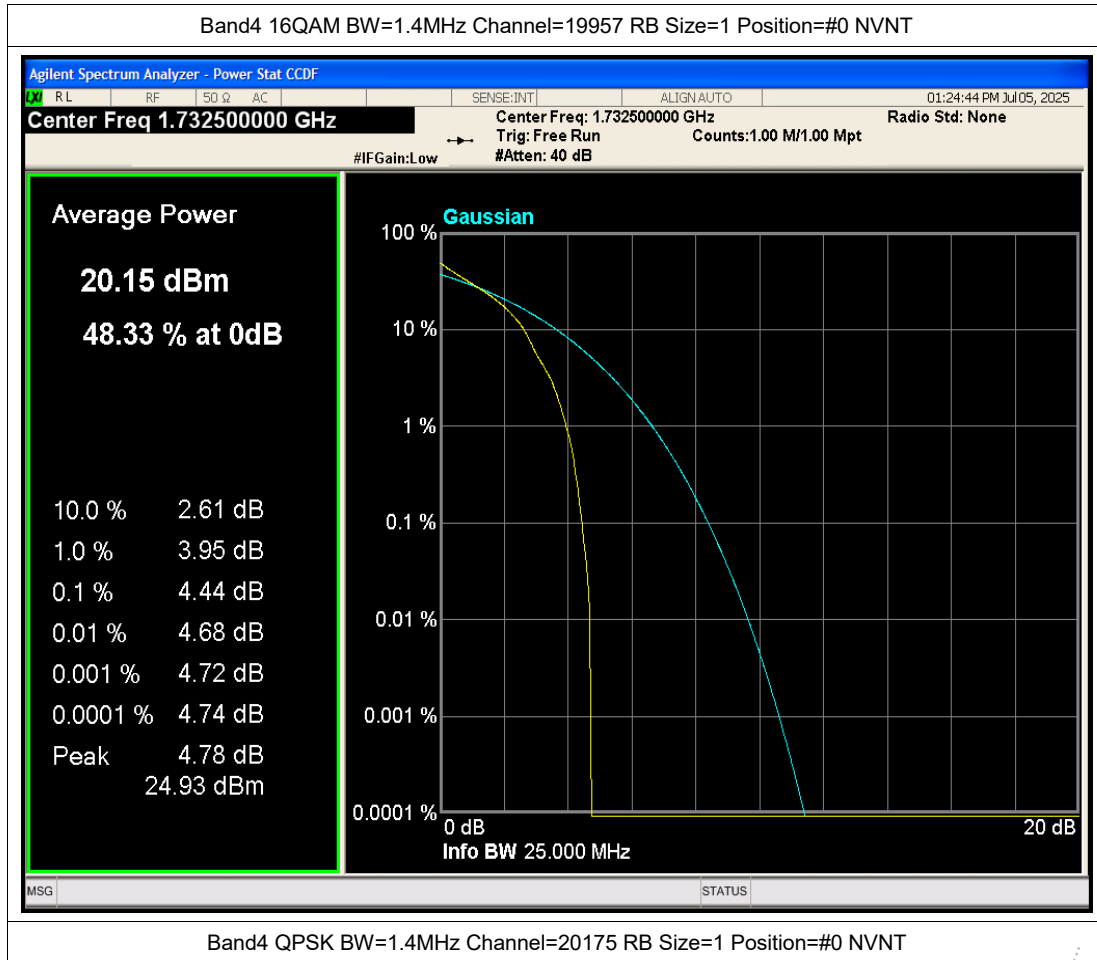
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	4.84	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	4.84	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	4.44	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	4.54	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	5.25	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	5.85	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	4.78	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	5.40	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	4.36	13	PASS

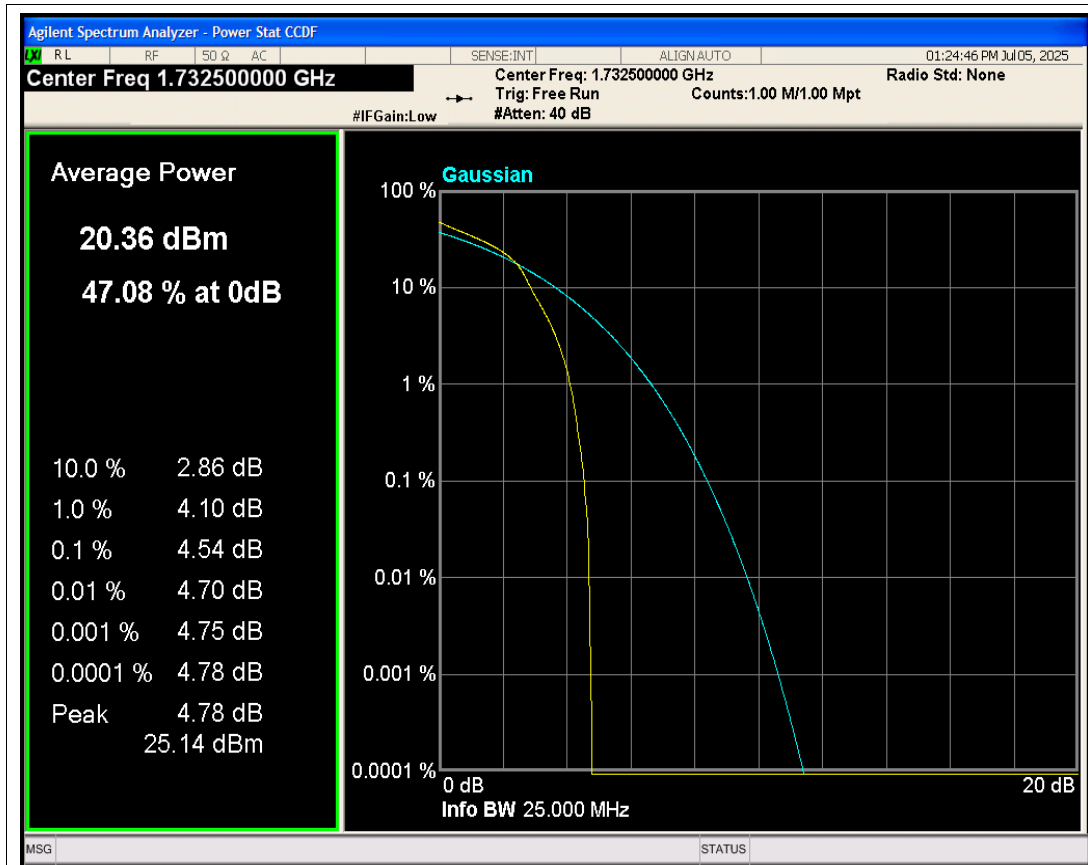
NVNT	Band4	3	20175	1	#0	16QAM	4.53	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	5.19	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	5.71	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	4.90	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	5.69	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	4.27	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	4.76	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	5.16	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	5.83	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	4.78	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	5.42	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	4.38	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	5.09	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	4.06	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	4.87	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	4.81	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	5.56	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	4.47	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	5.17	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	4.06	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	4.45	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	4.69	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	5.24	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	4.63	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	5.26	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	4.37	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	4.88	13	PASS



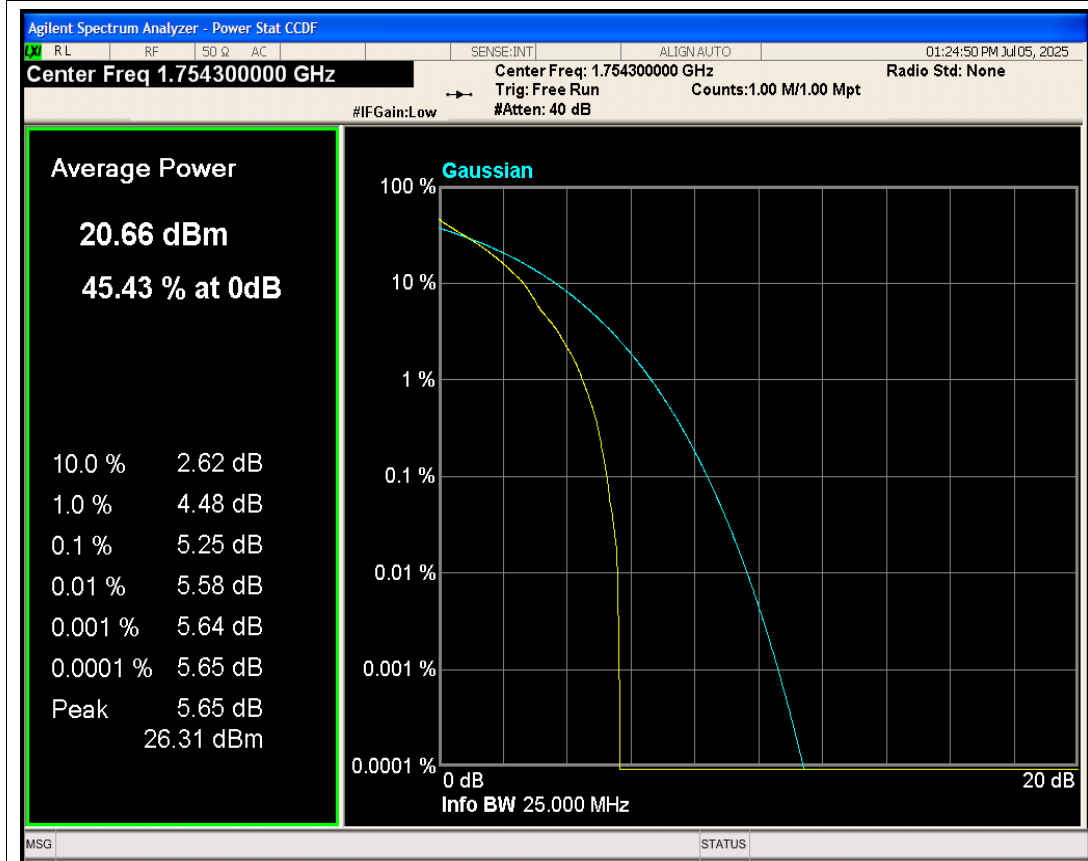
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

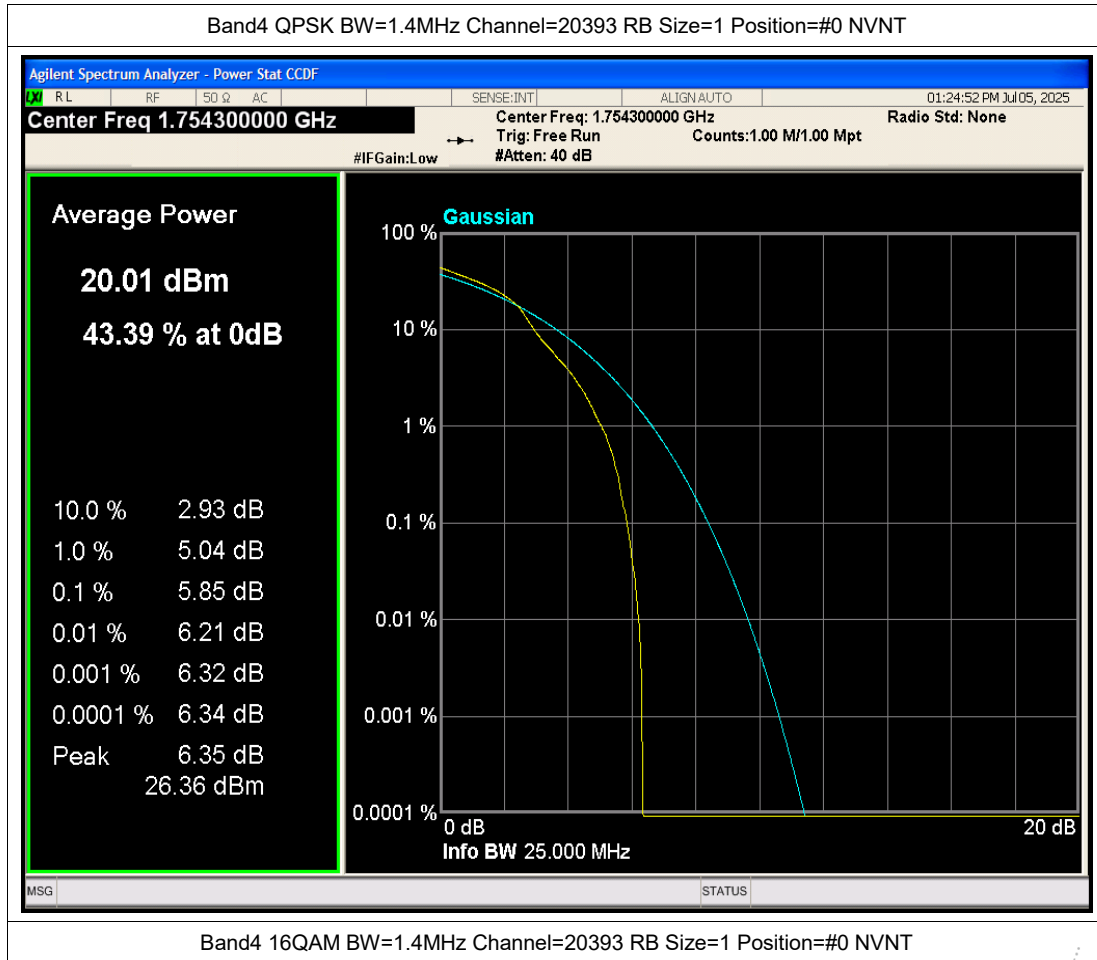


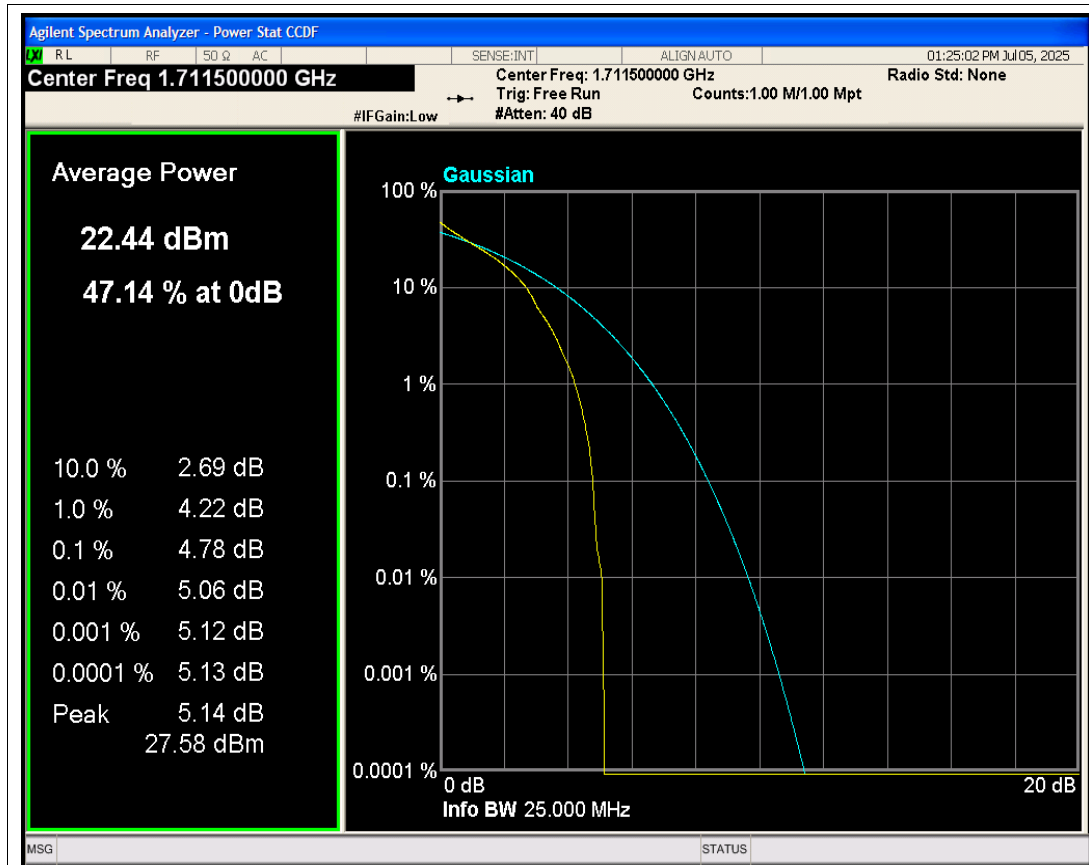




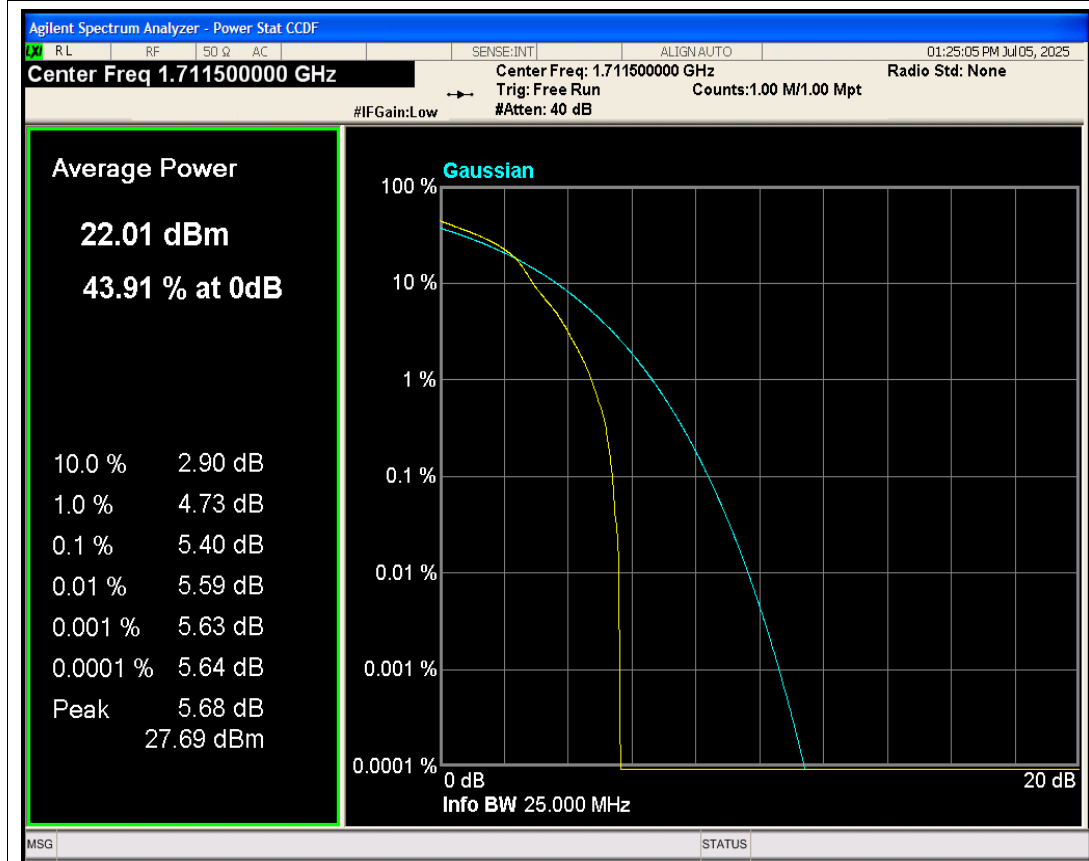
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

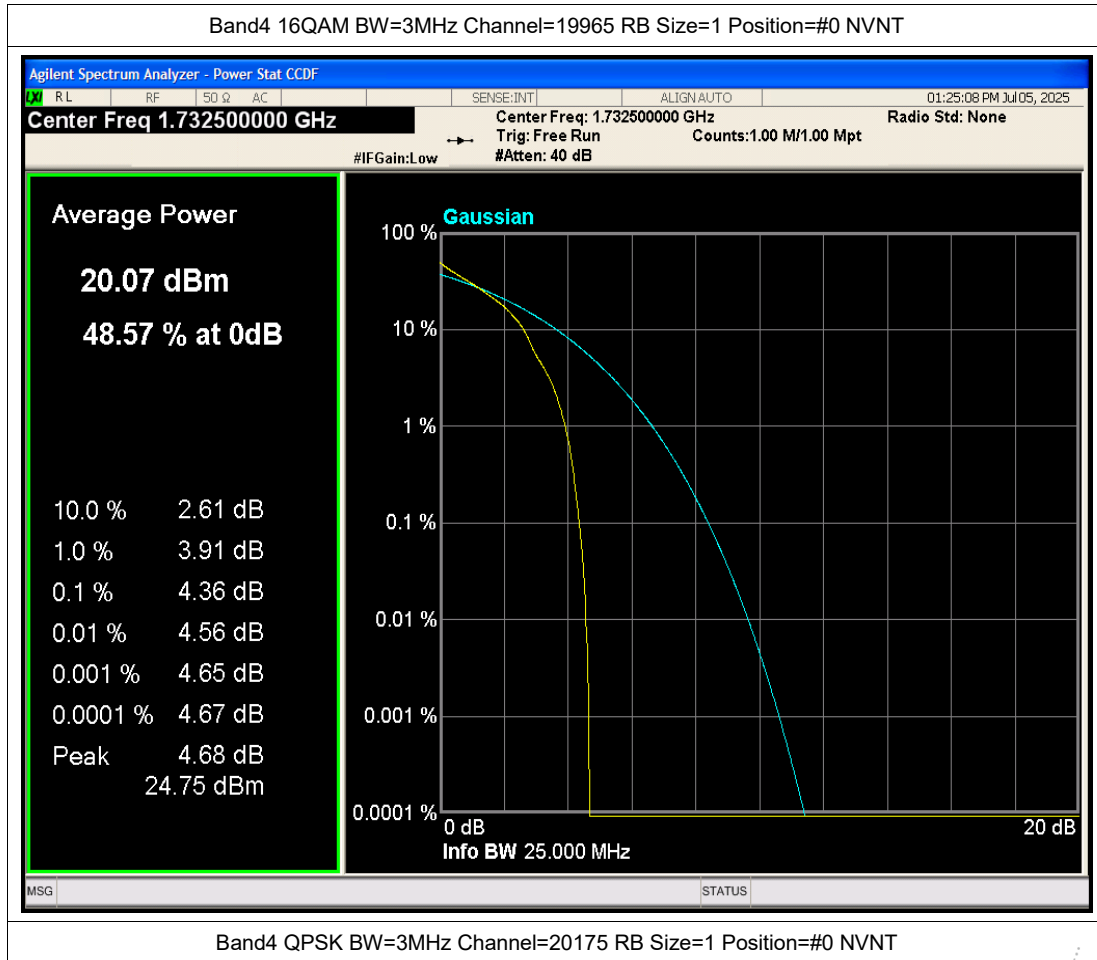


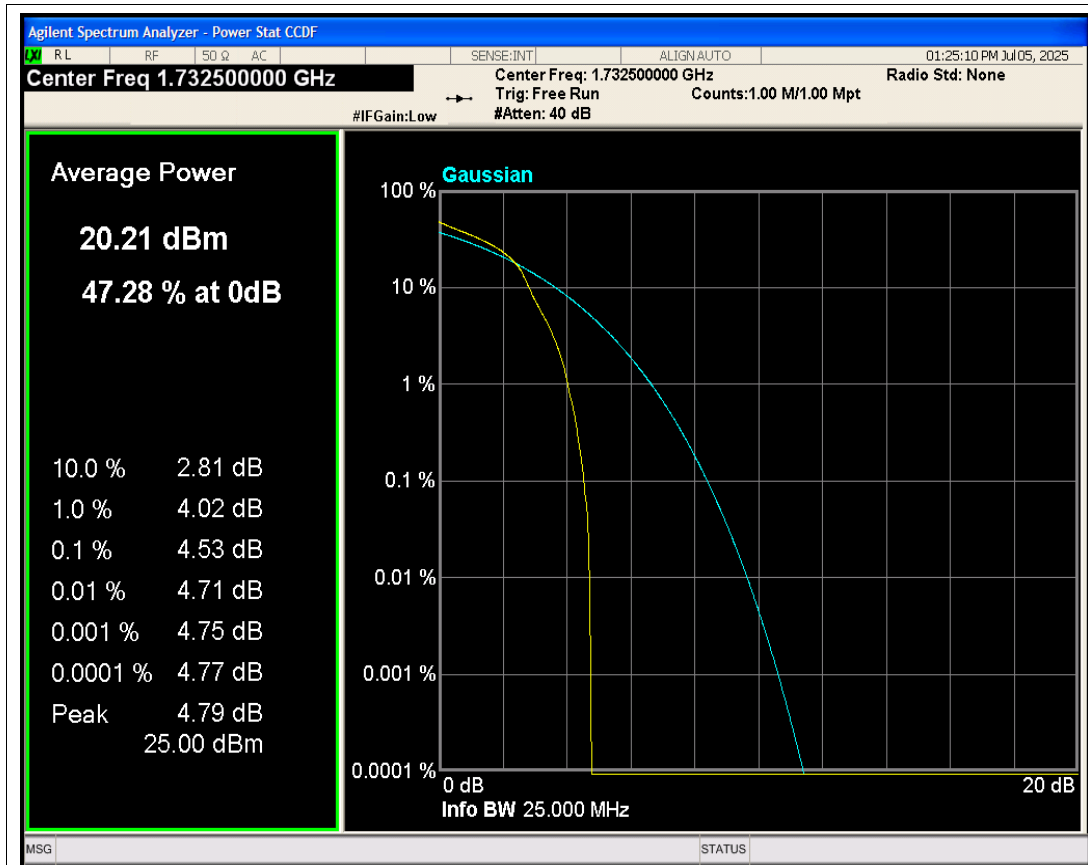




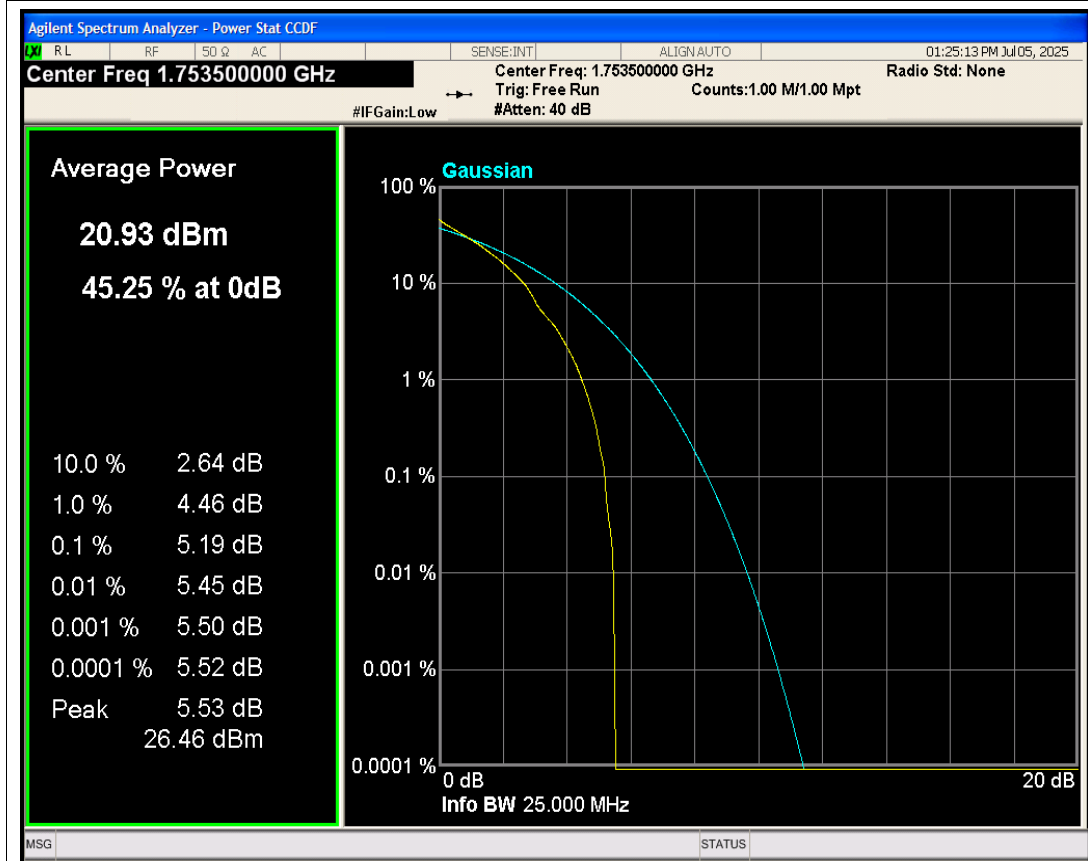
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

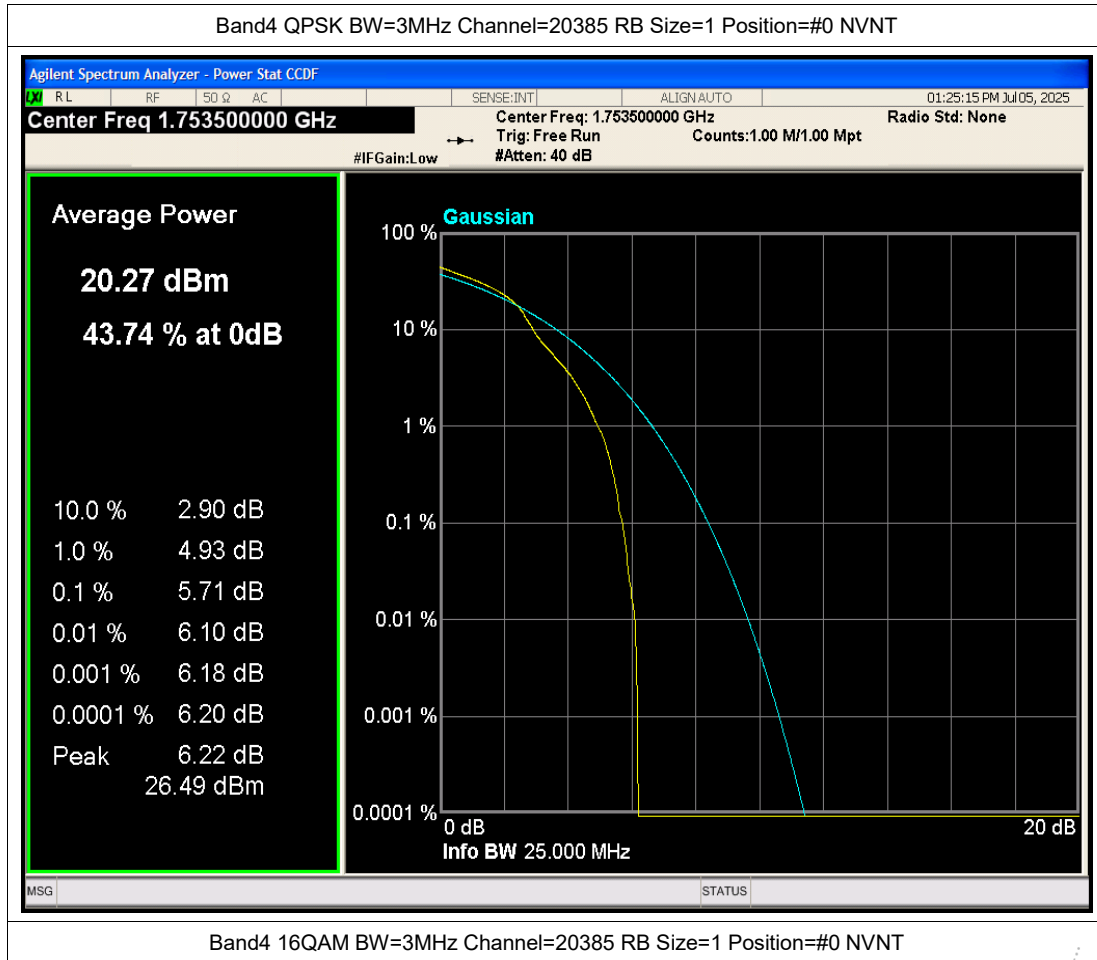


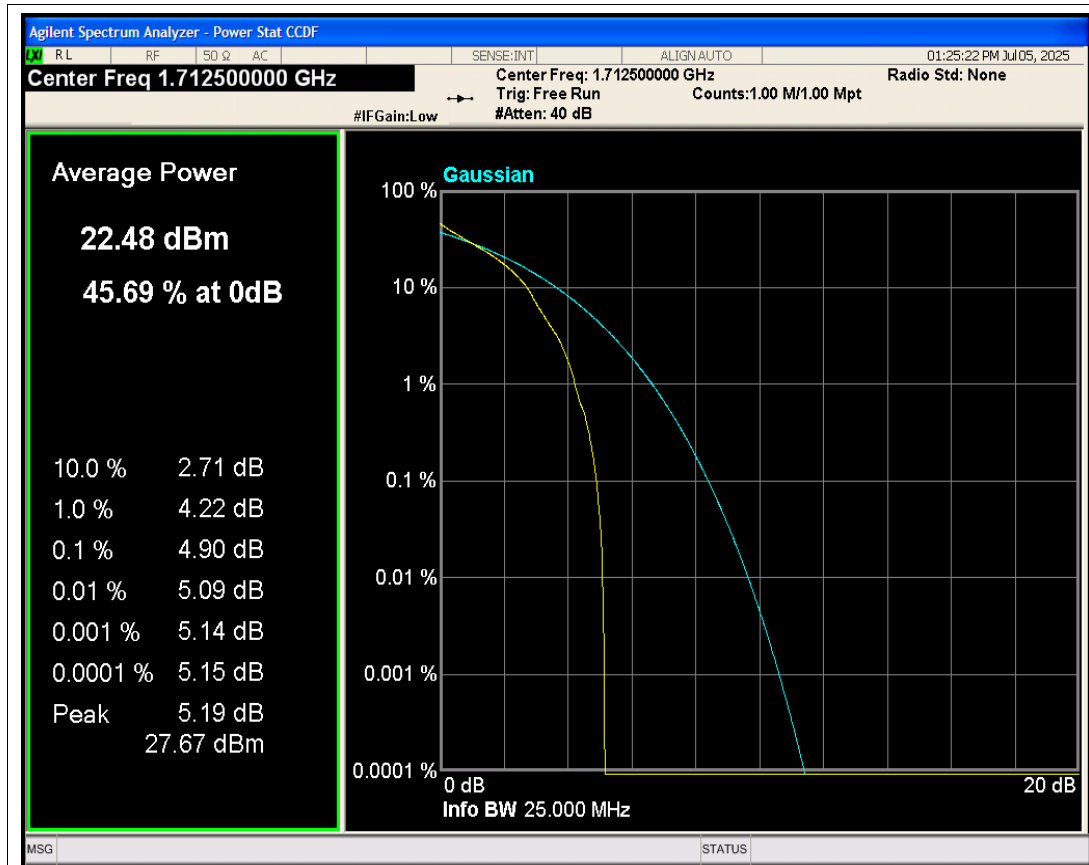




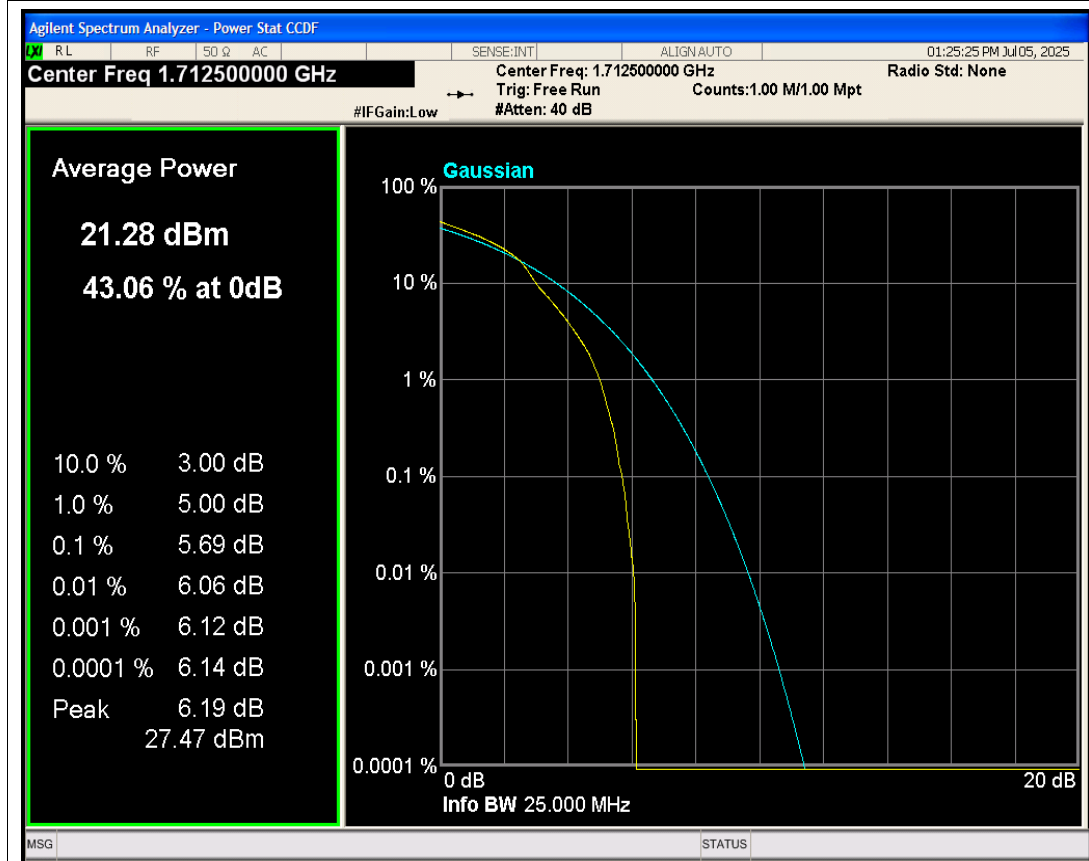
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

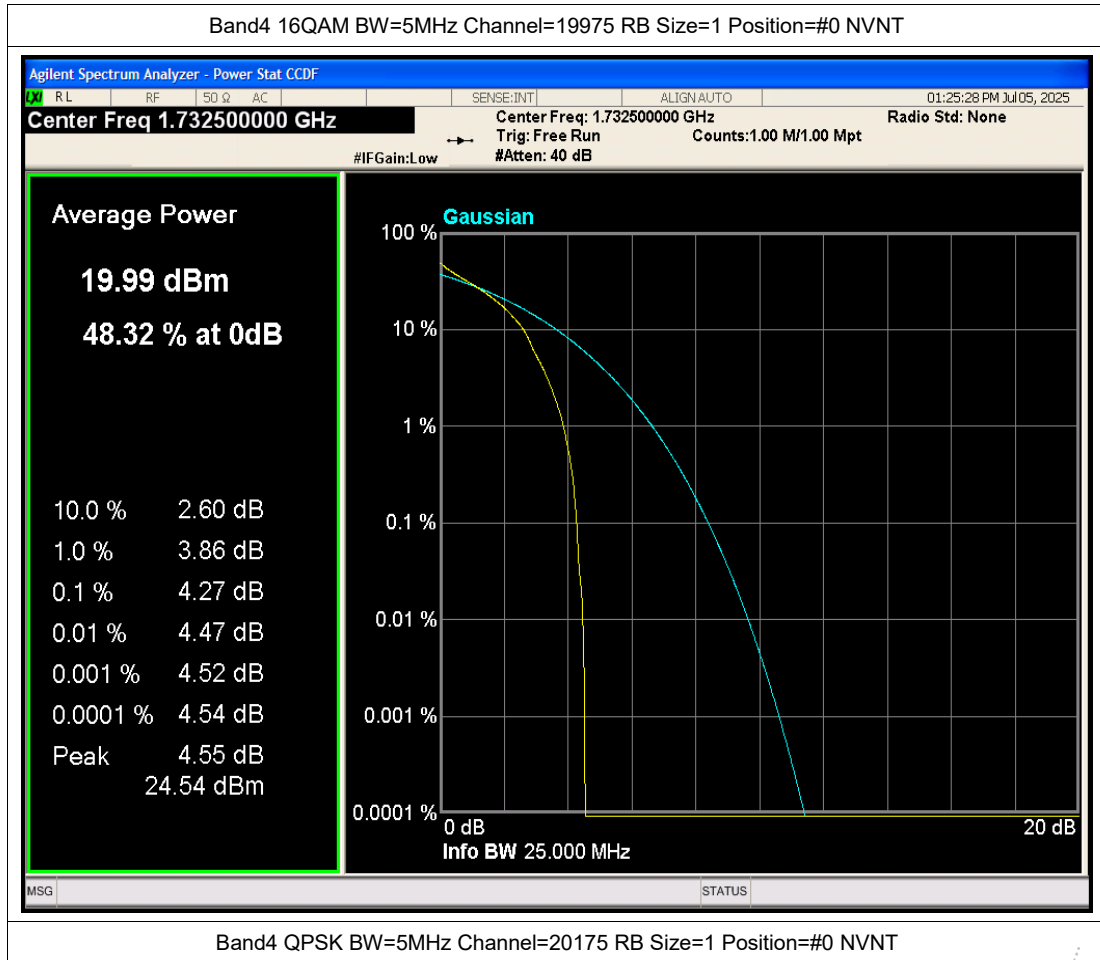


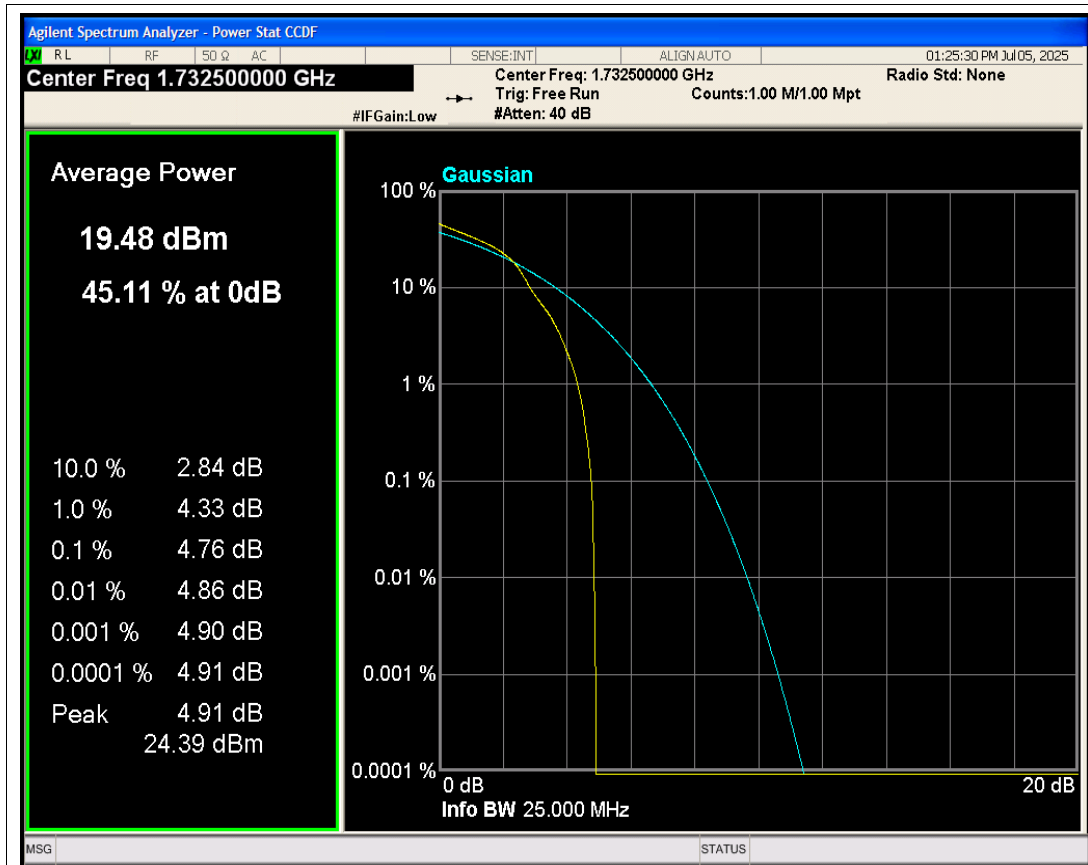




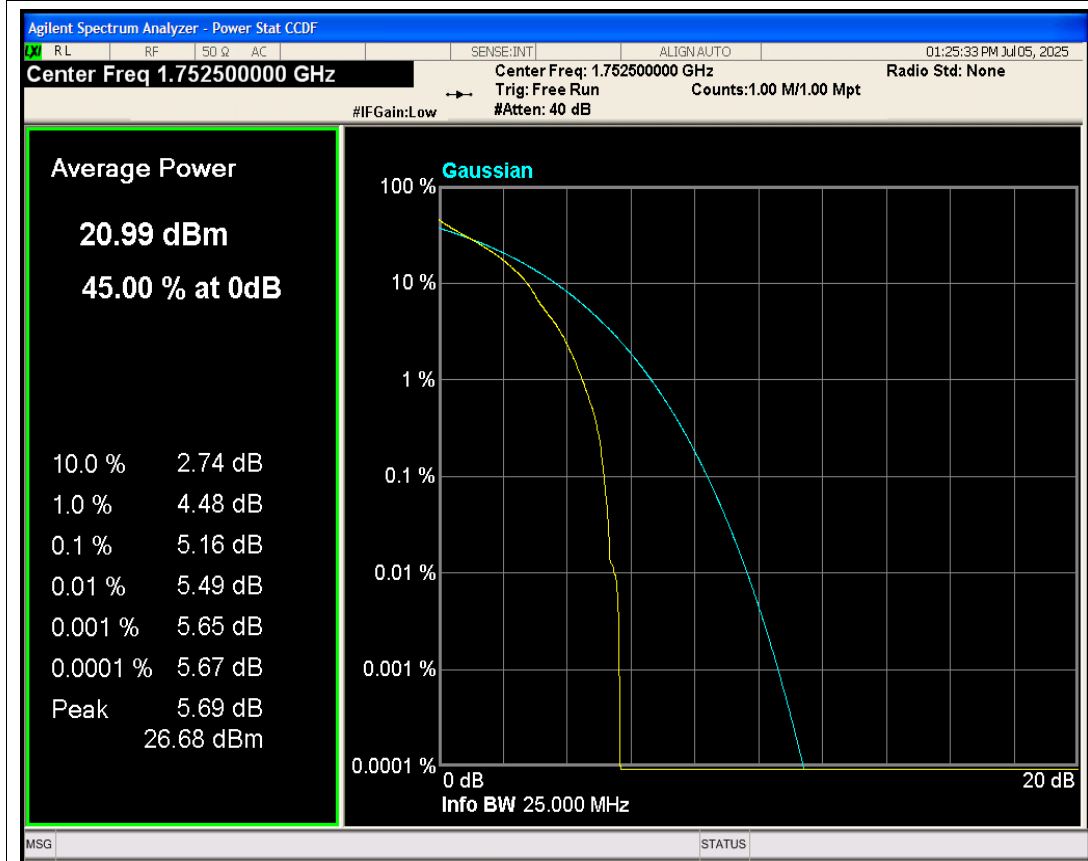
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

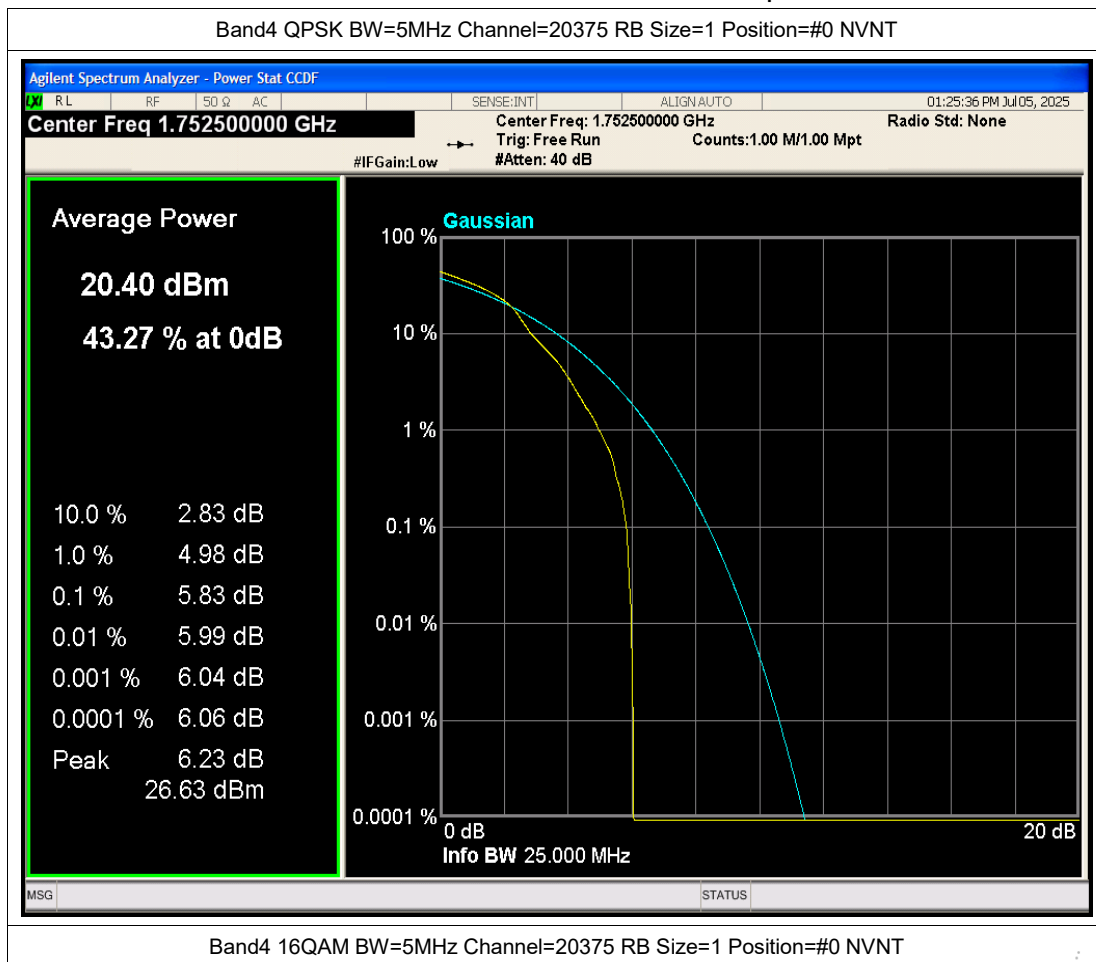


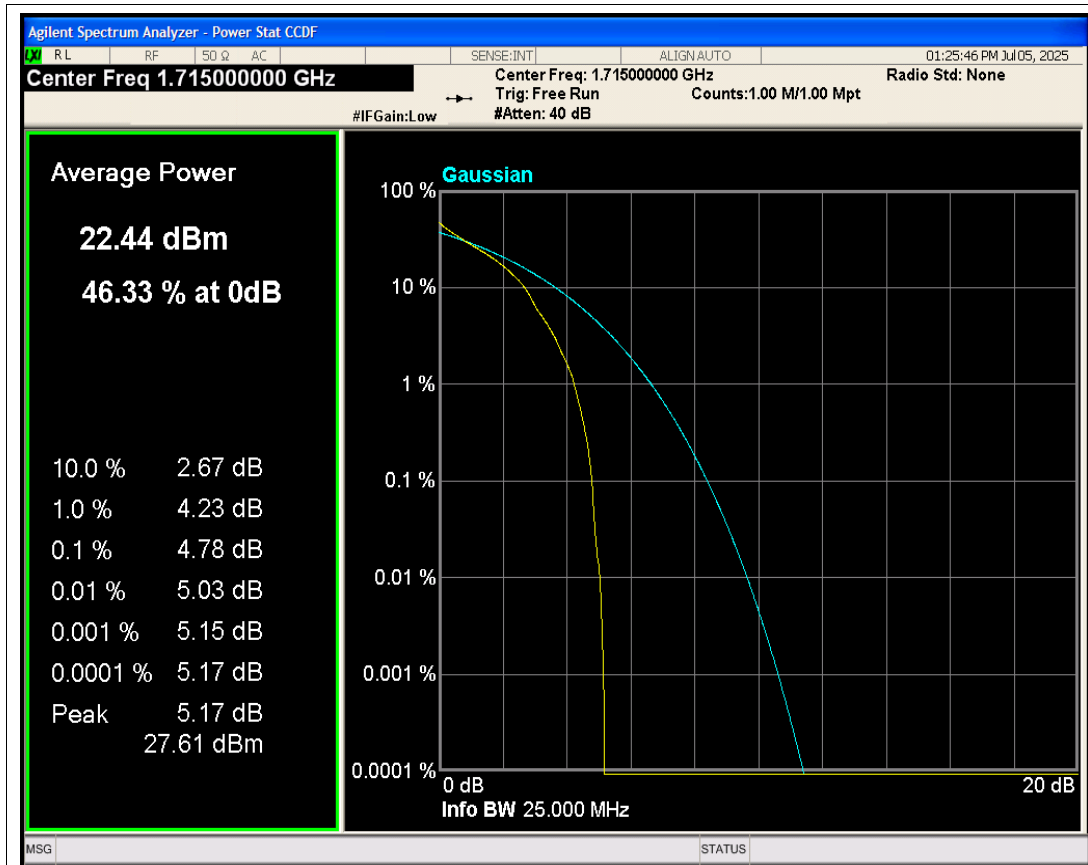




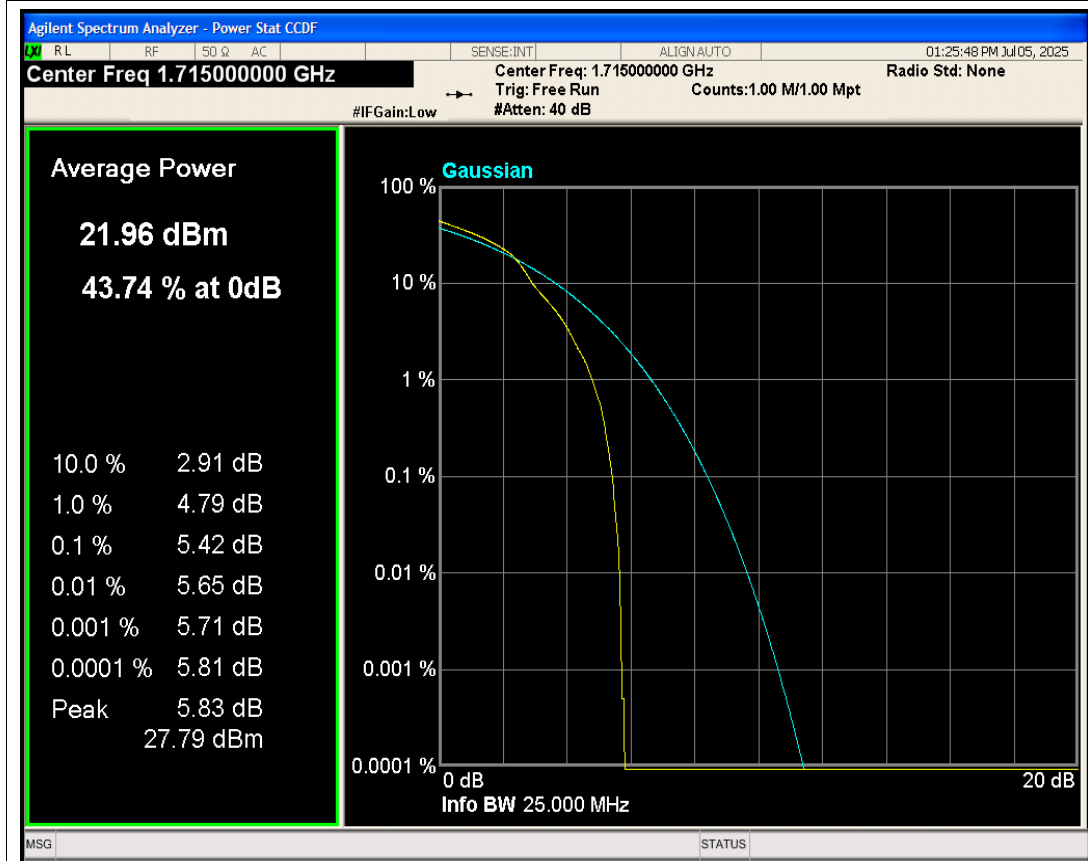
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

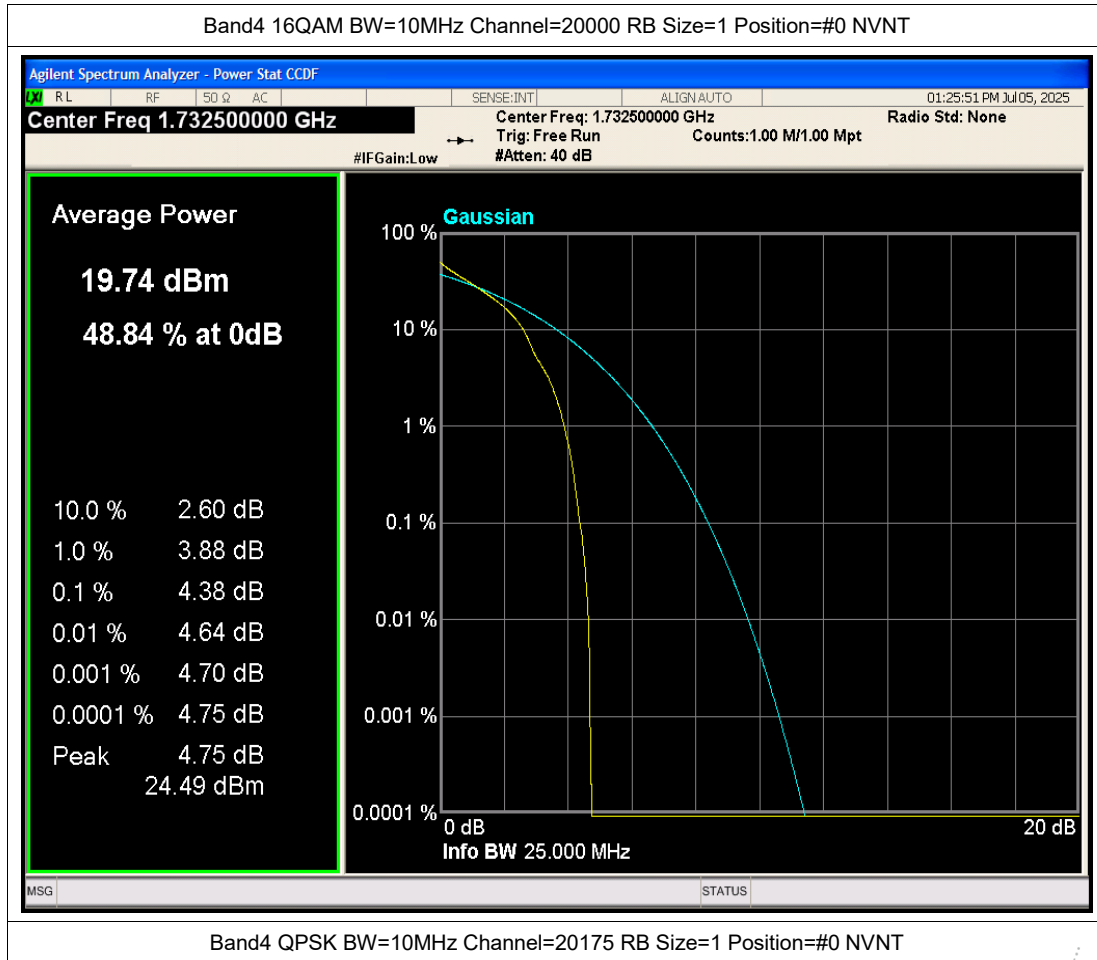


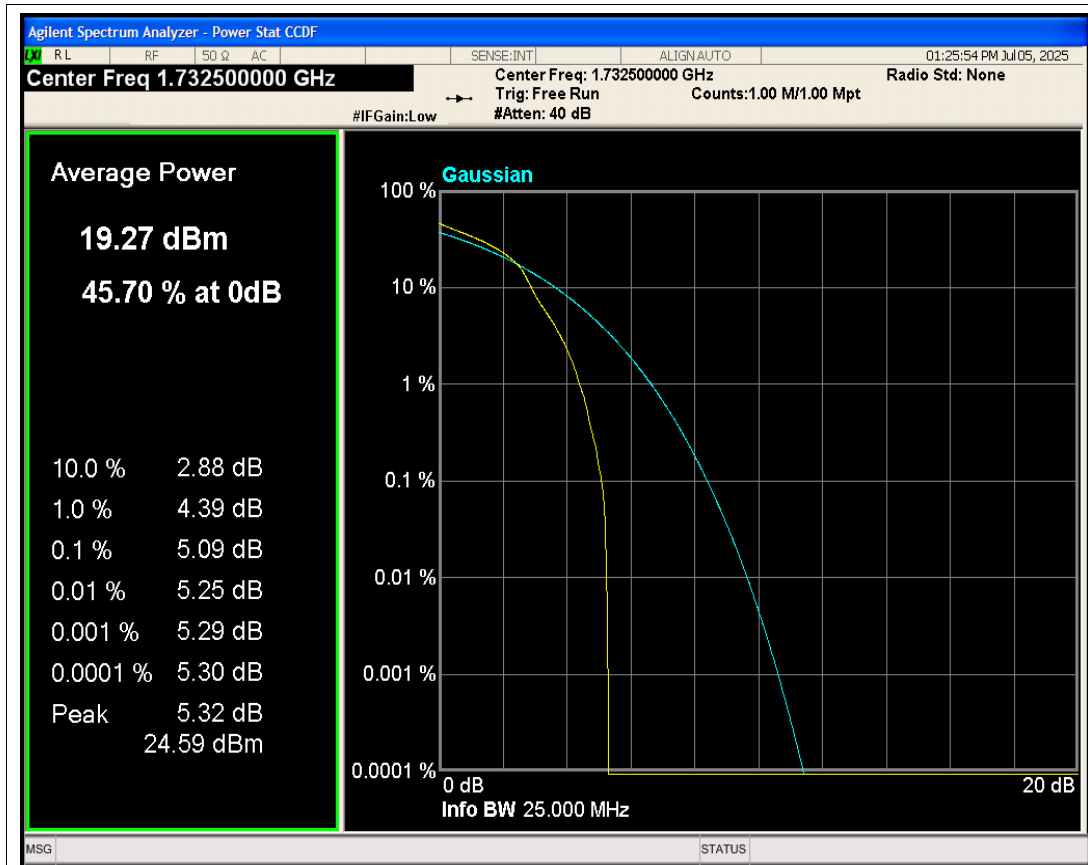




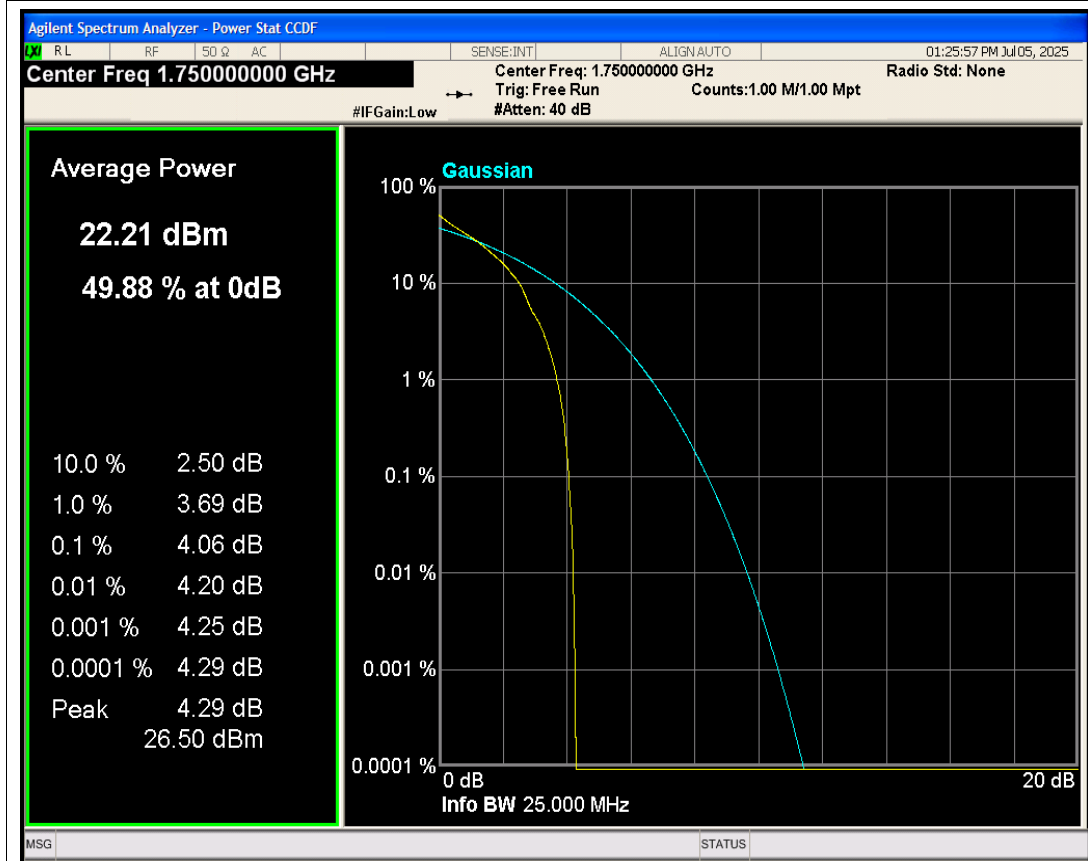
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

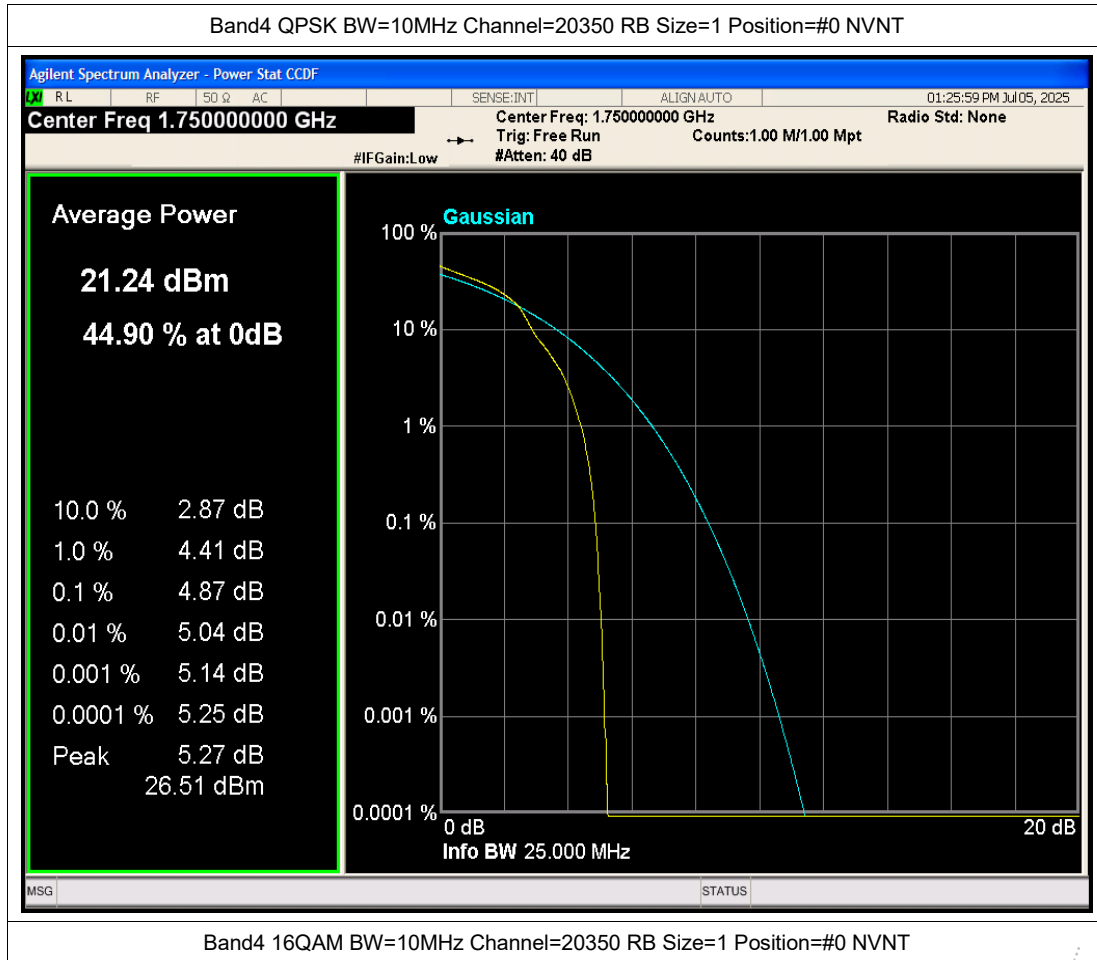


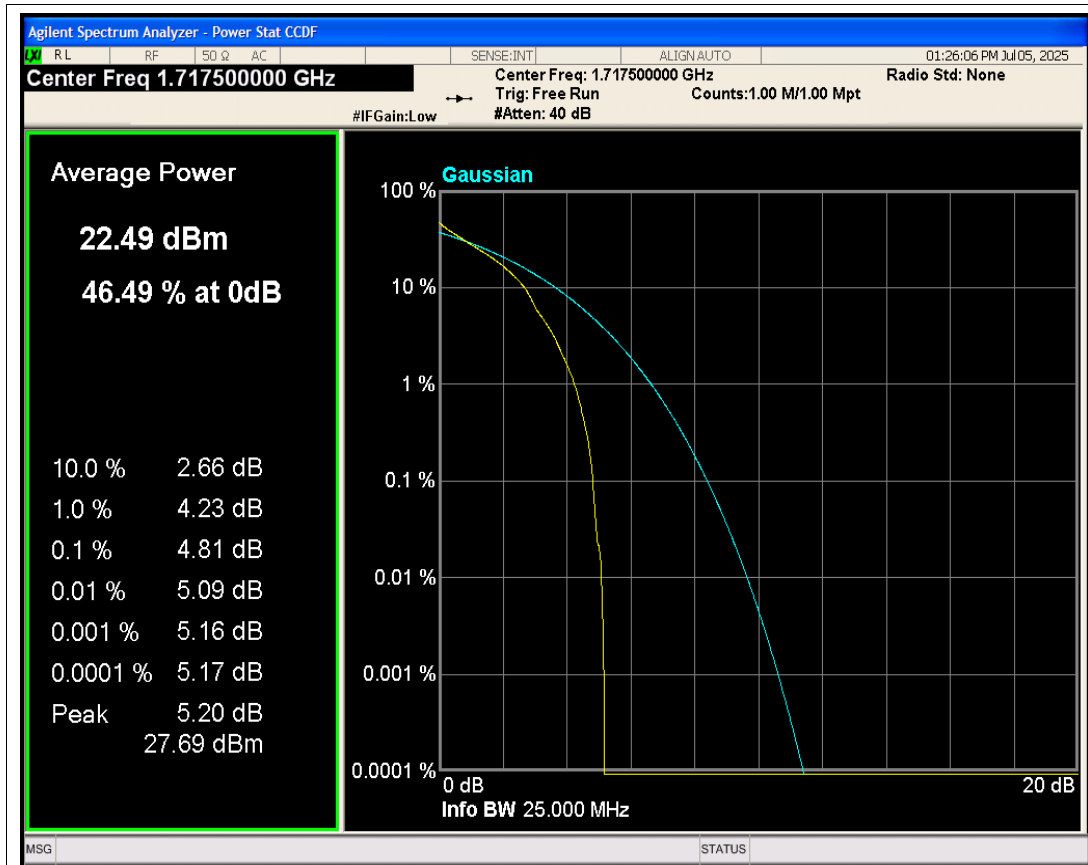




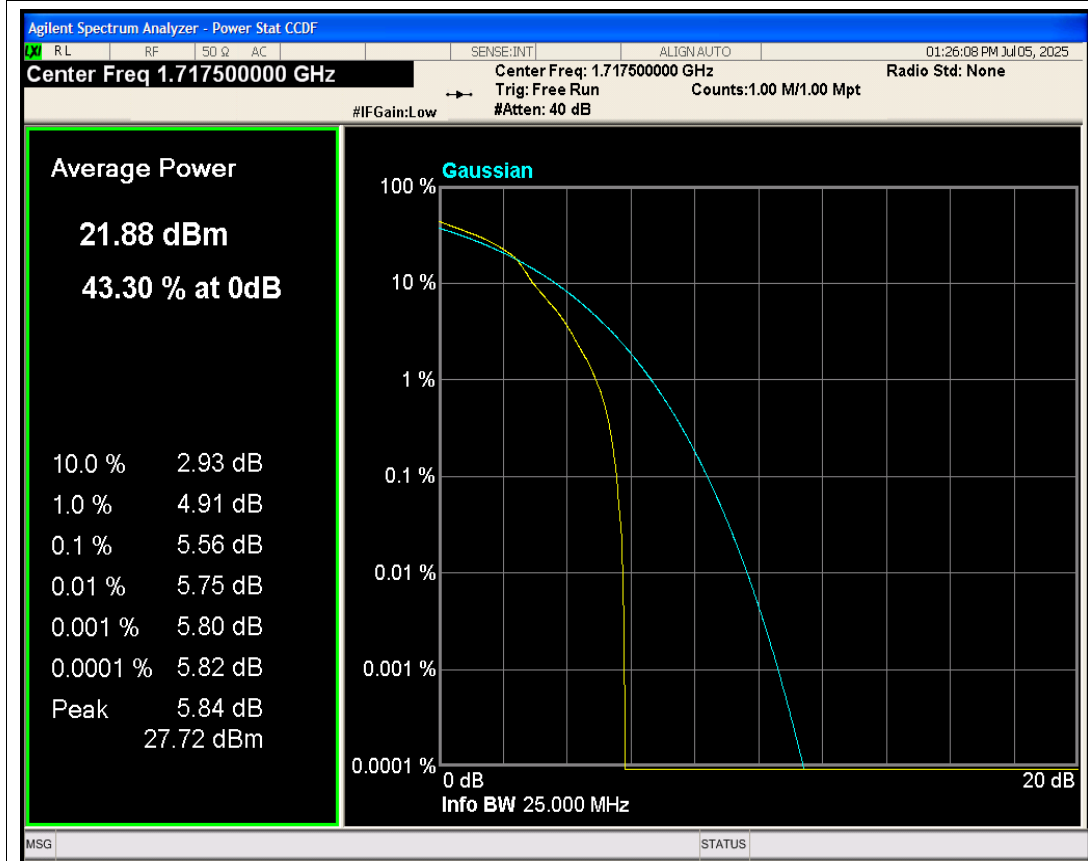
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

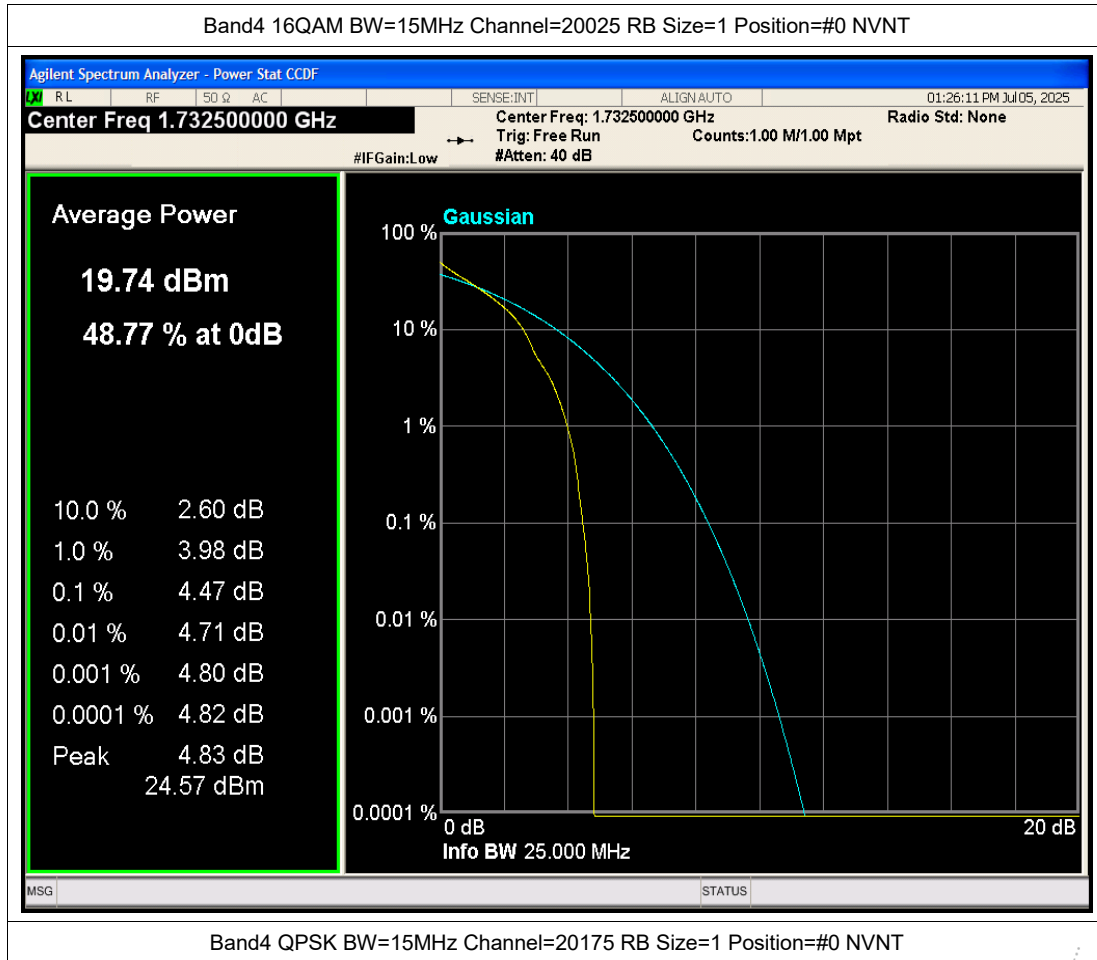


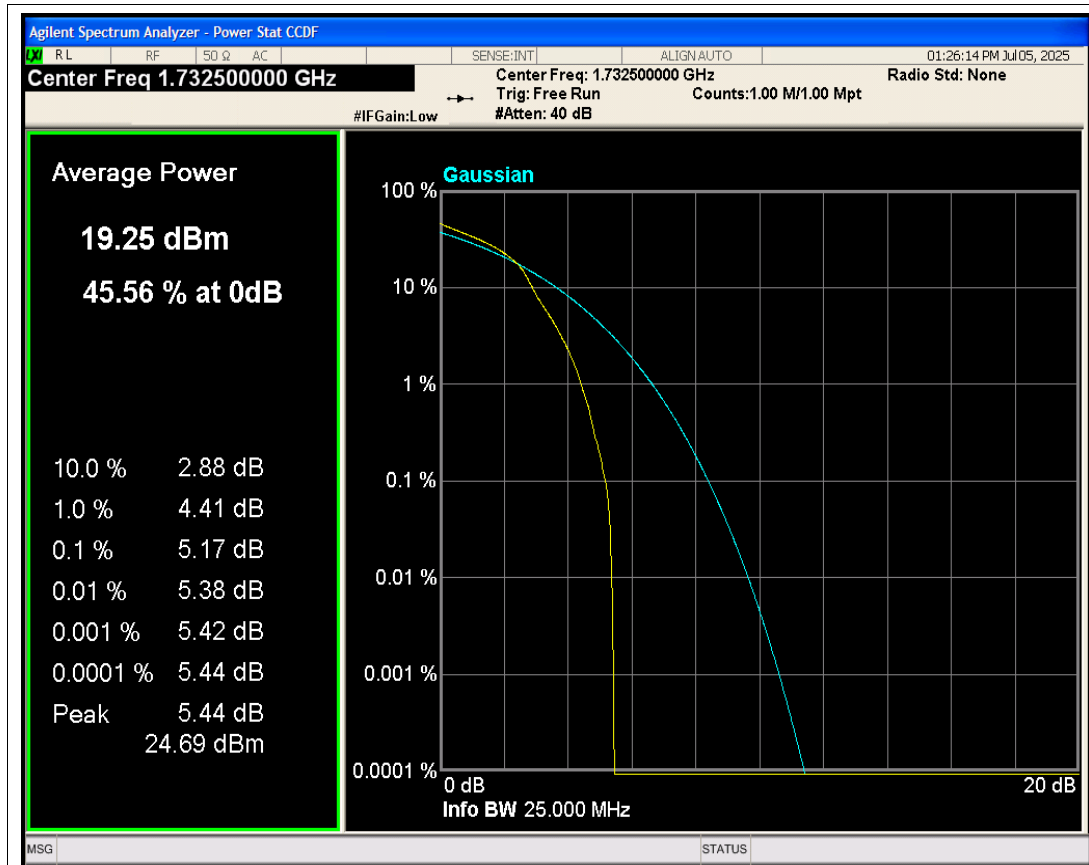




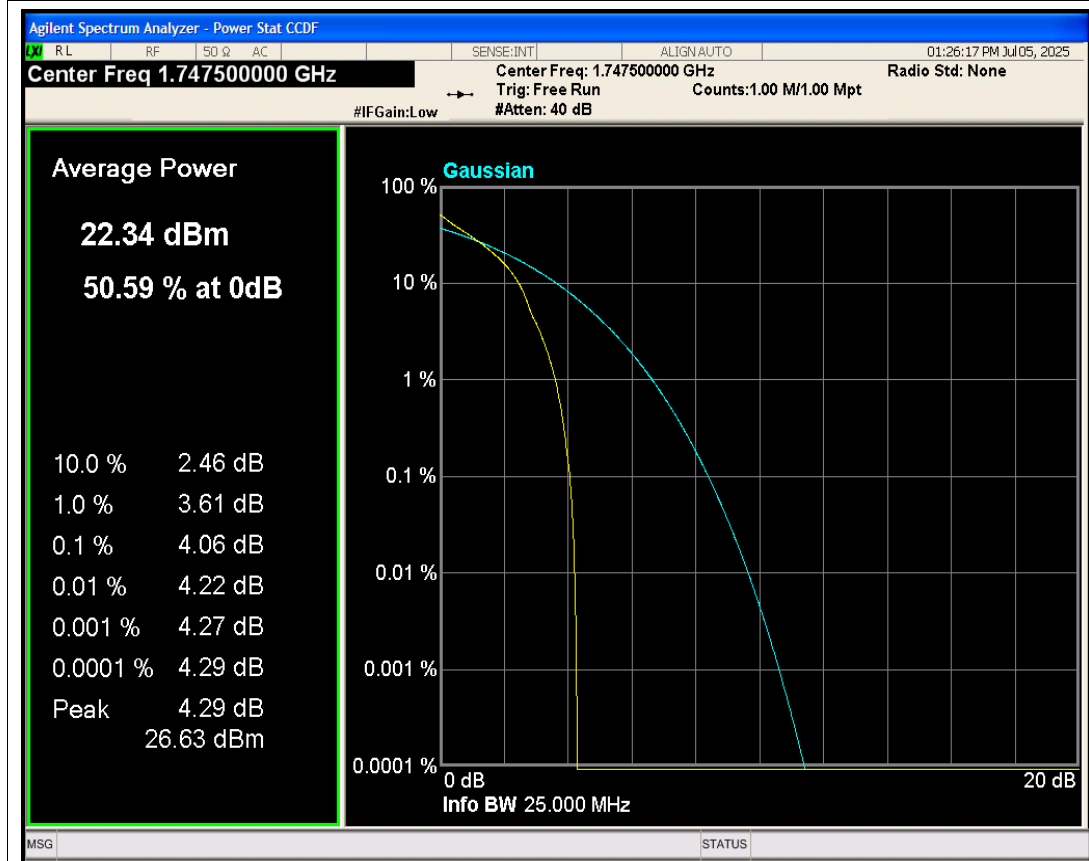
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

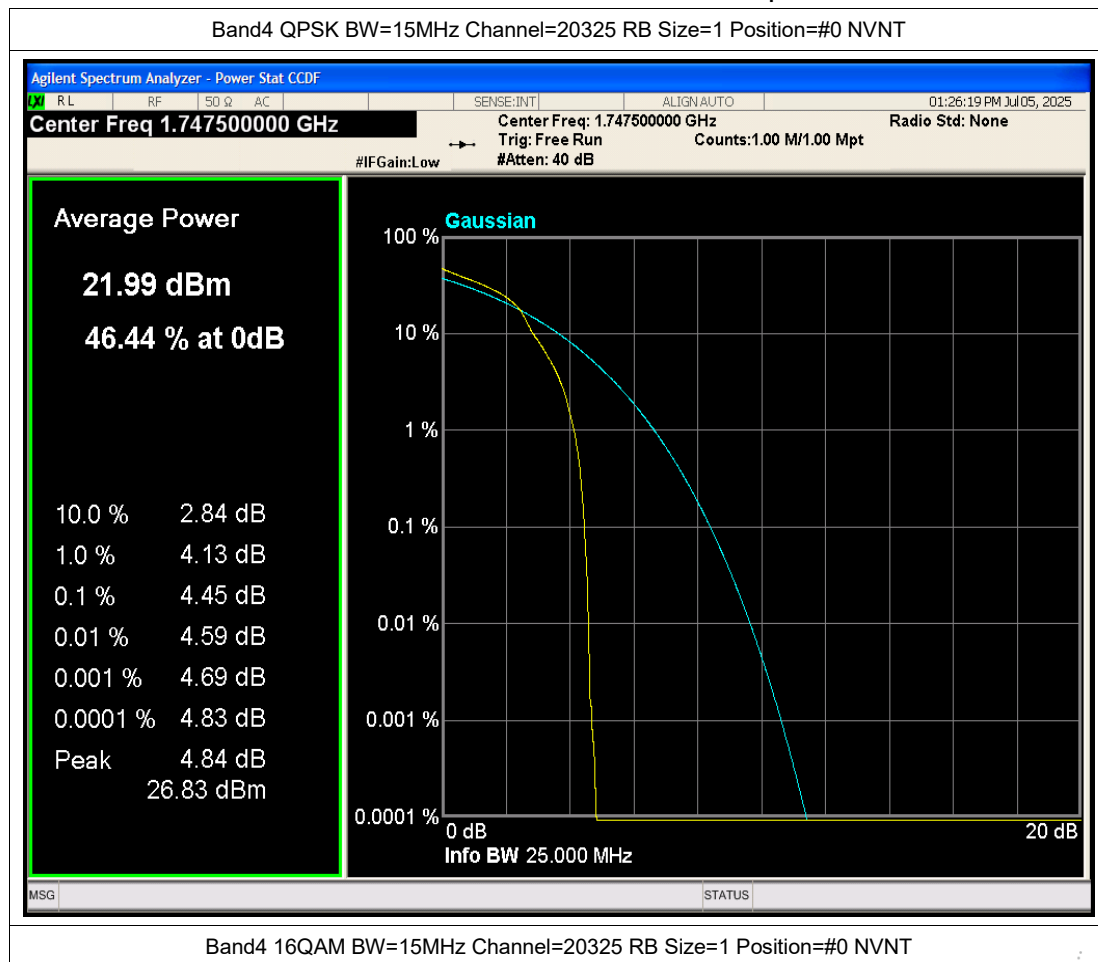


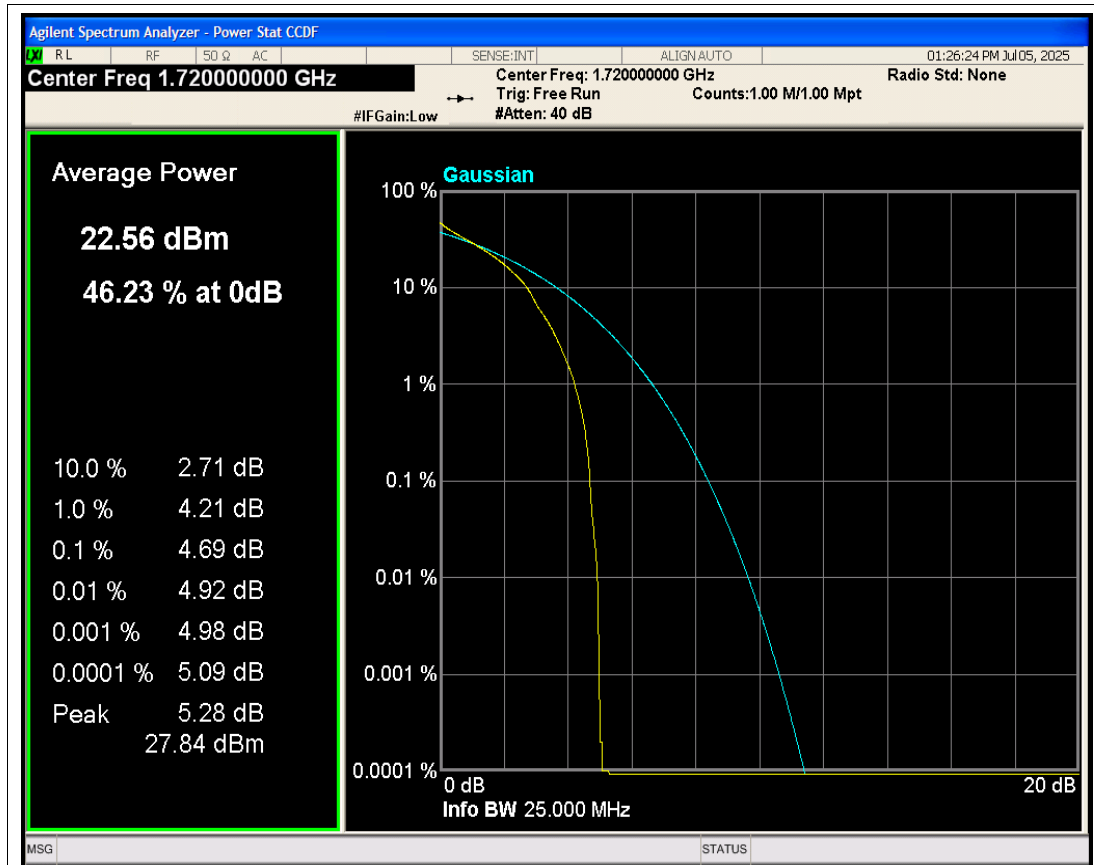




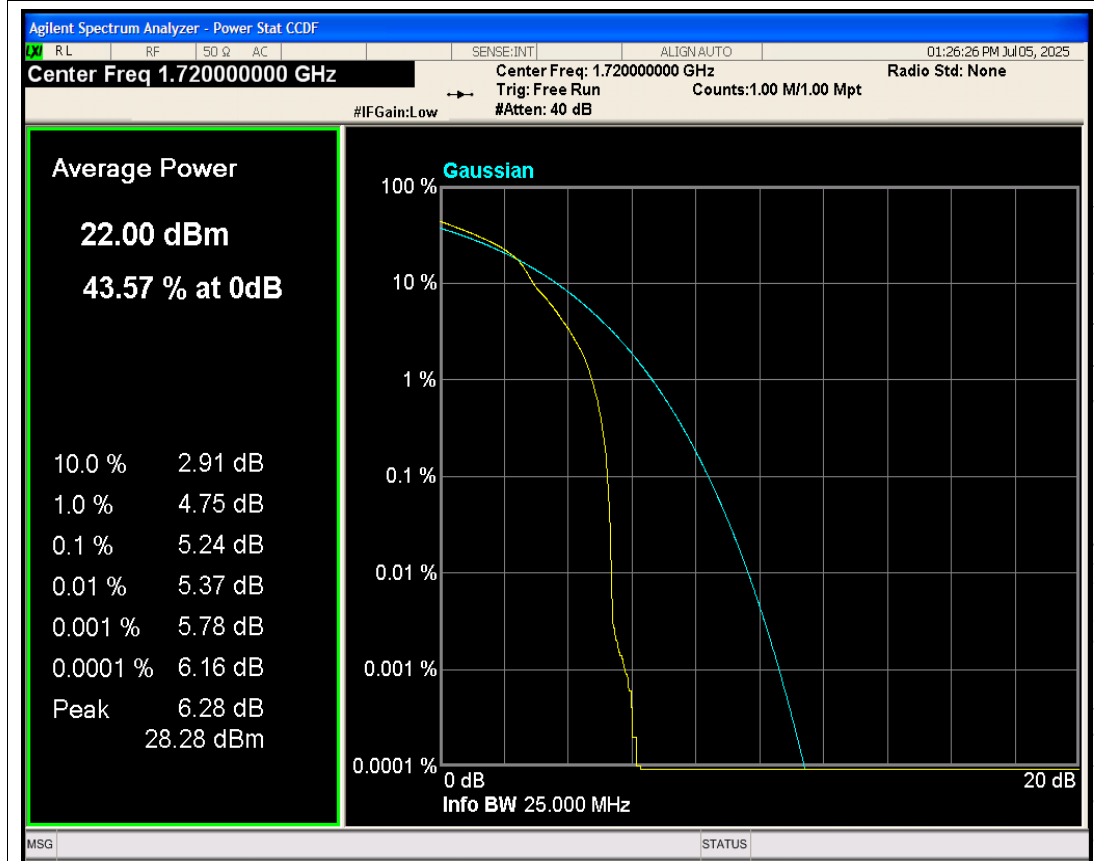
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

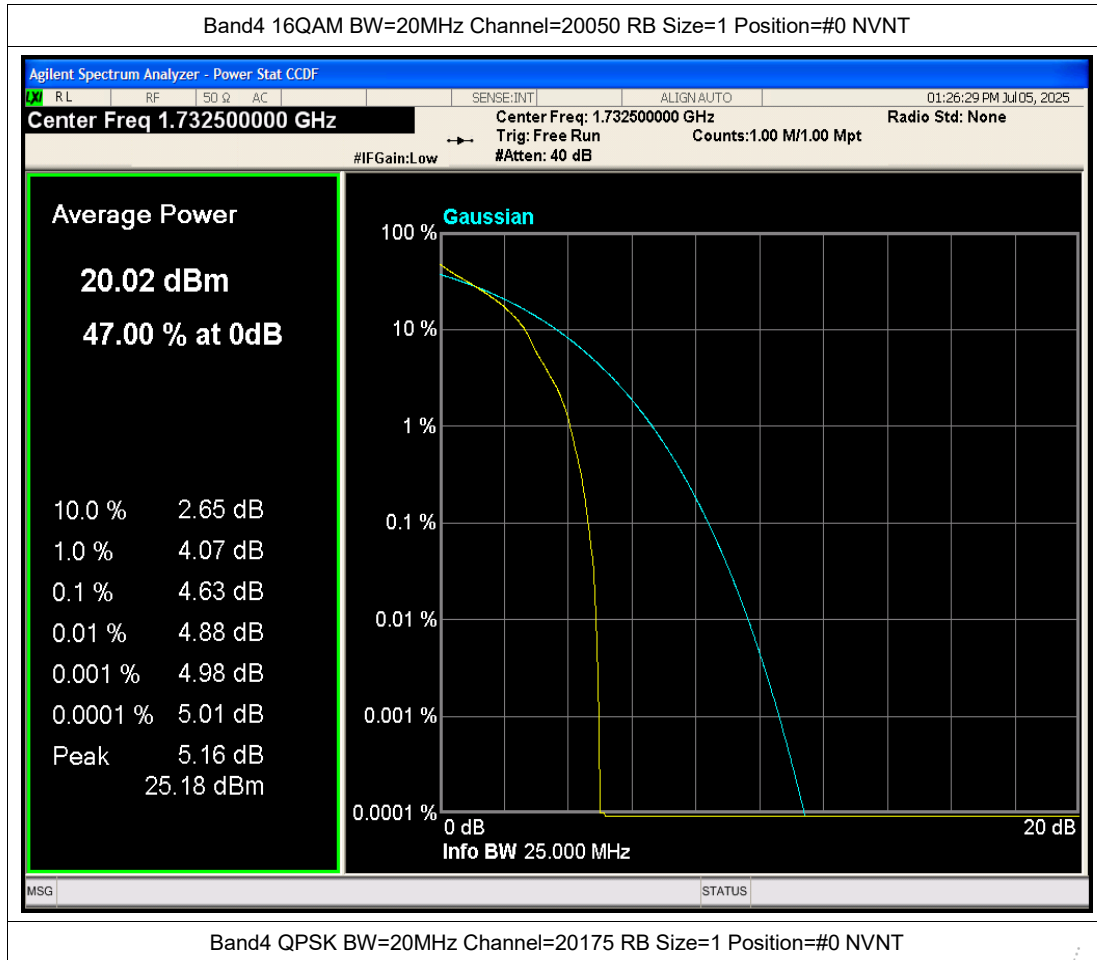


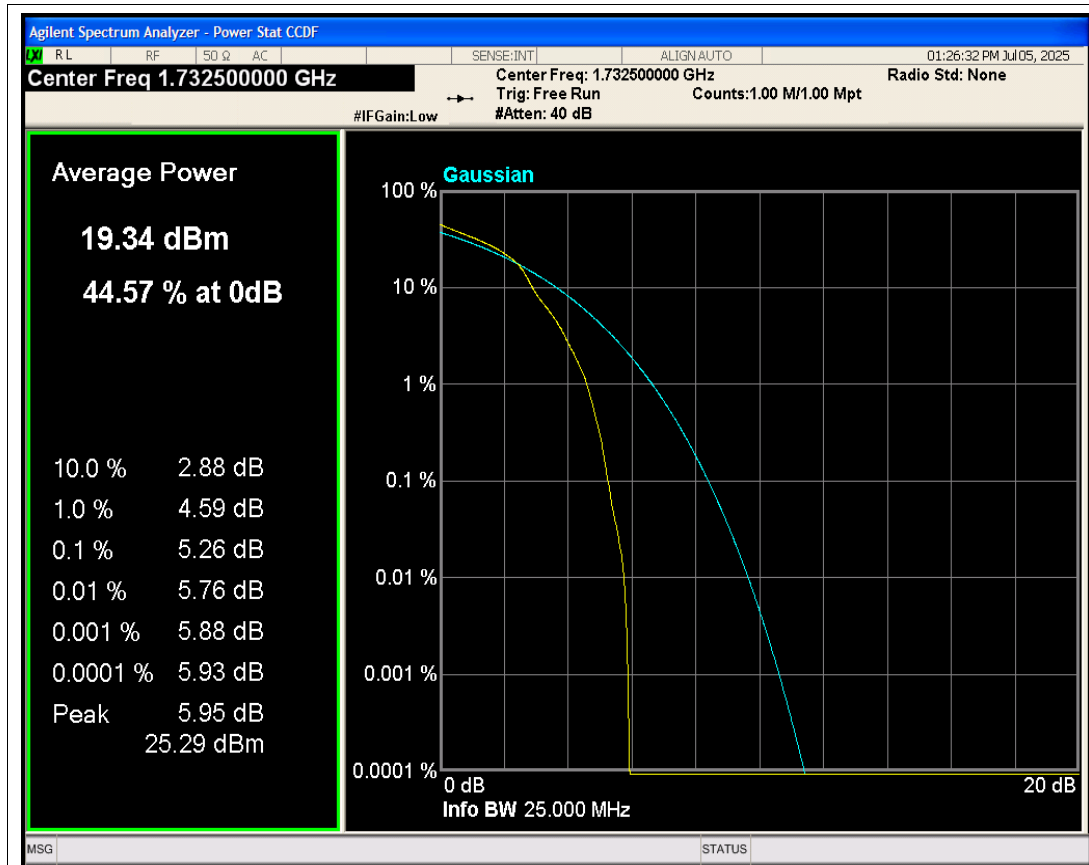




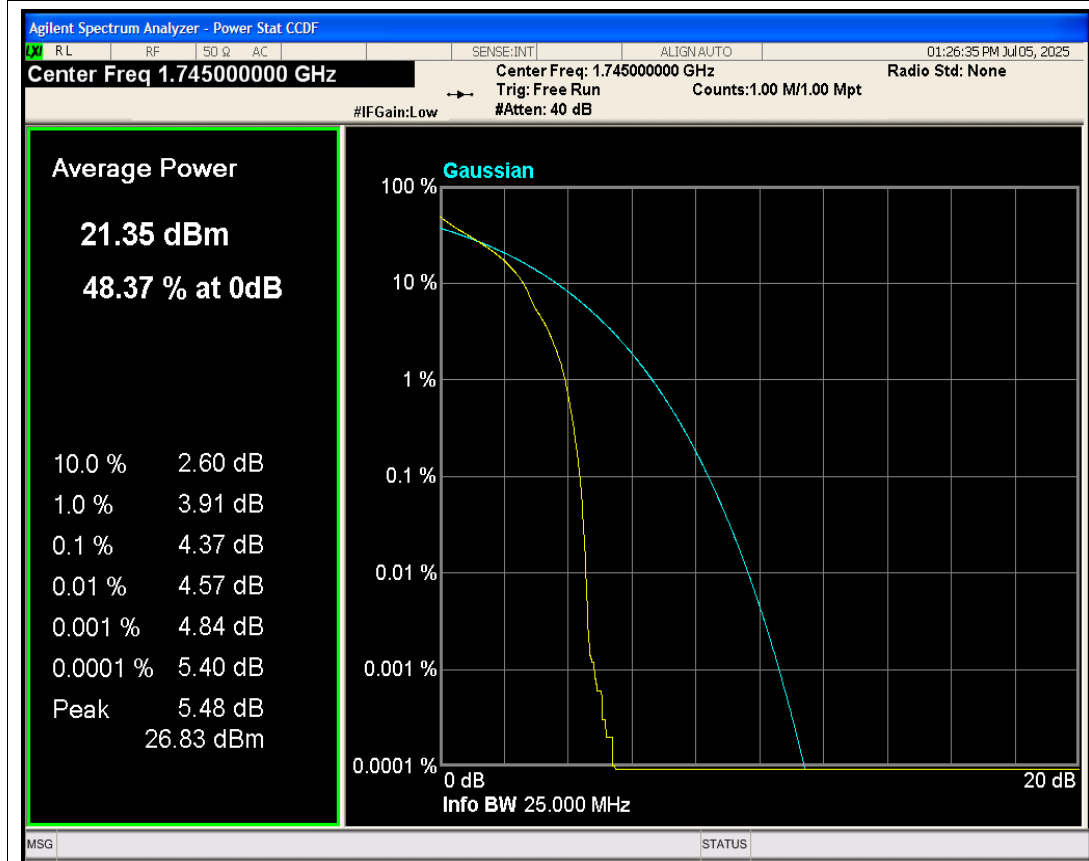
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

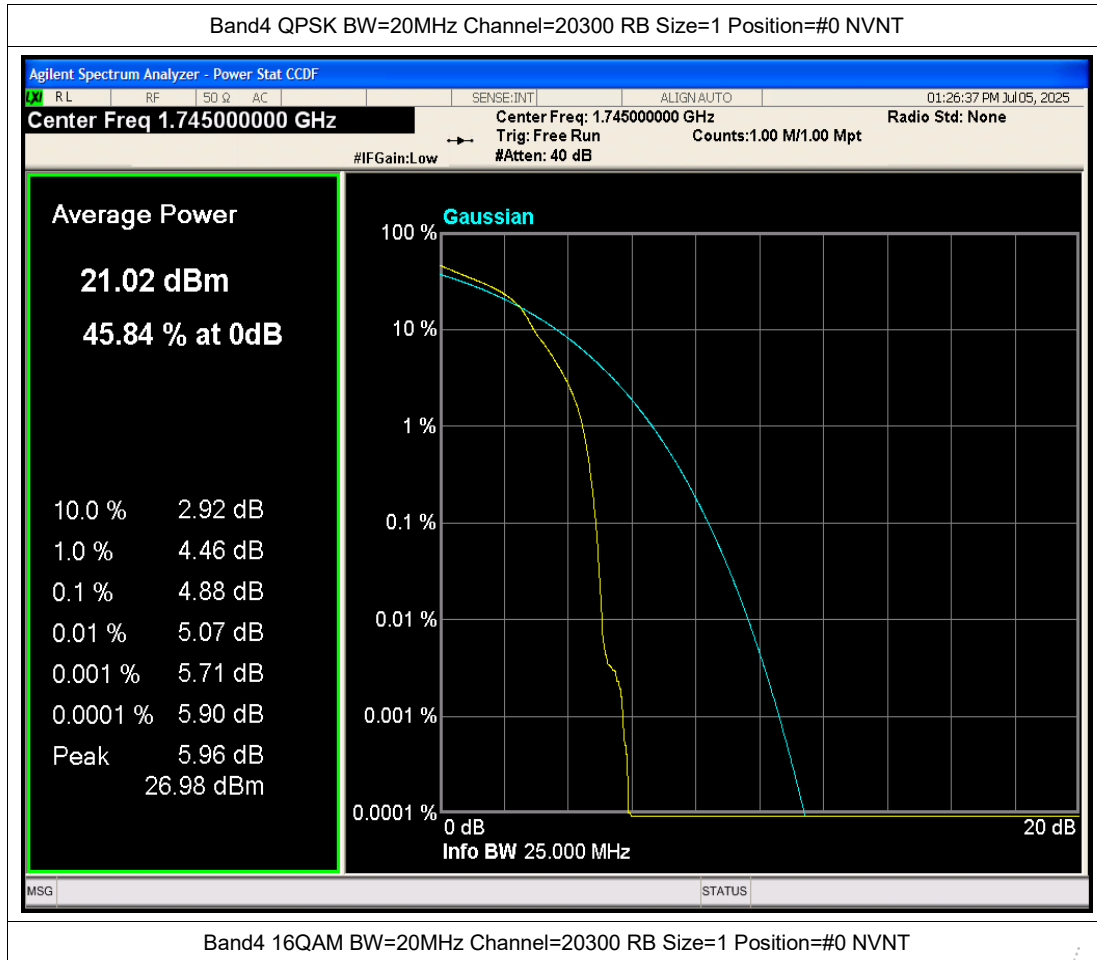






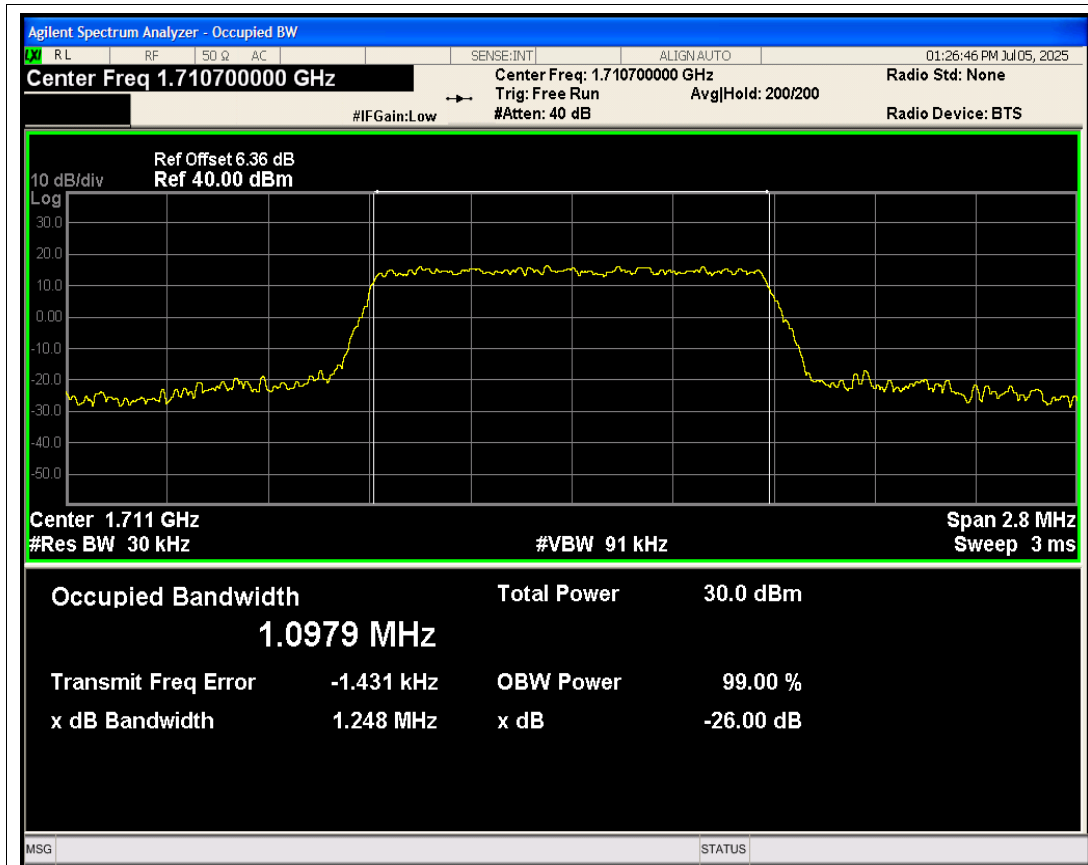
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



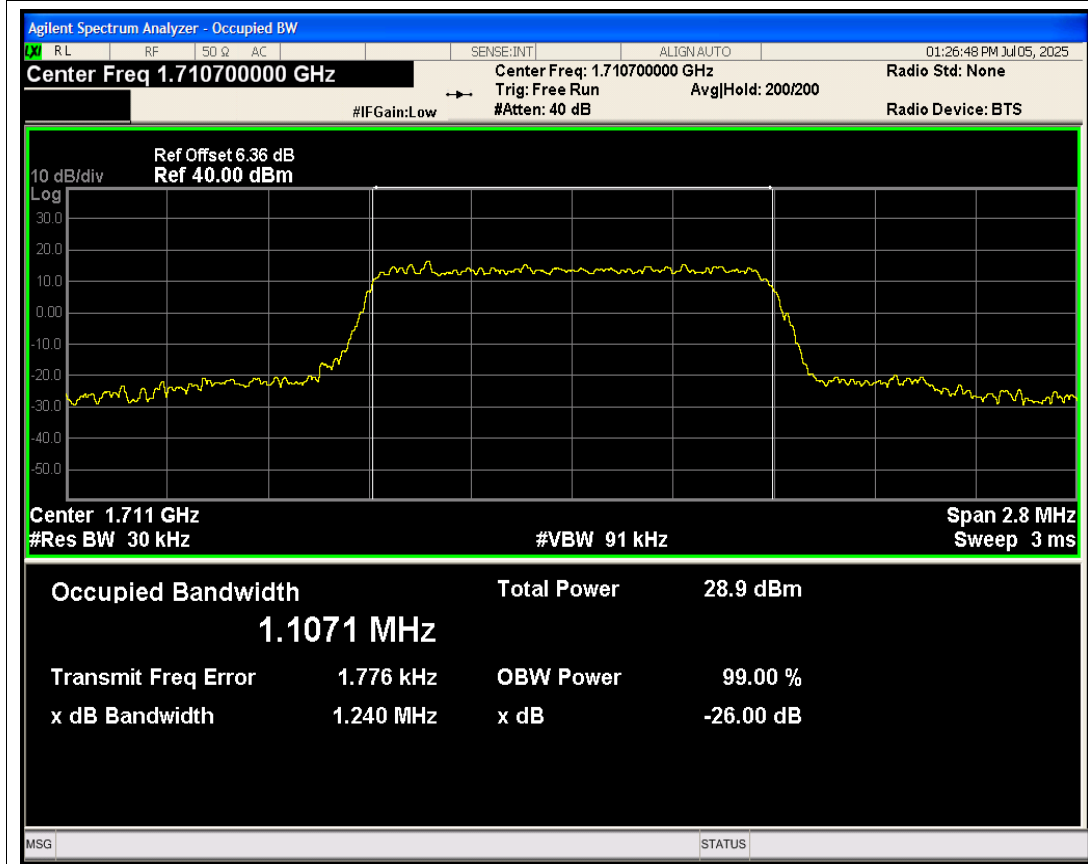


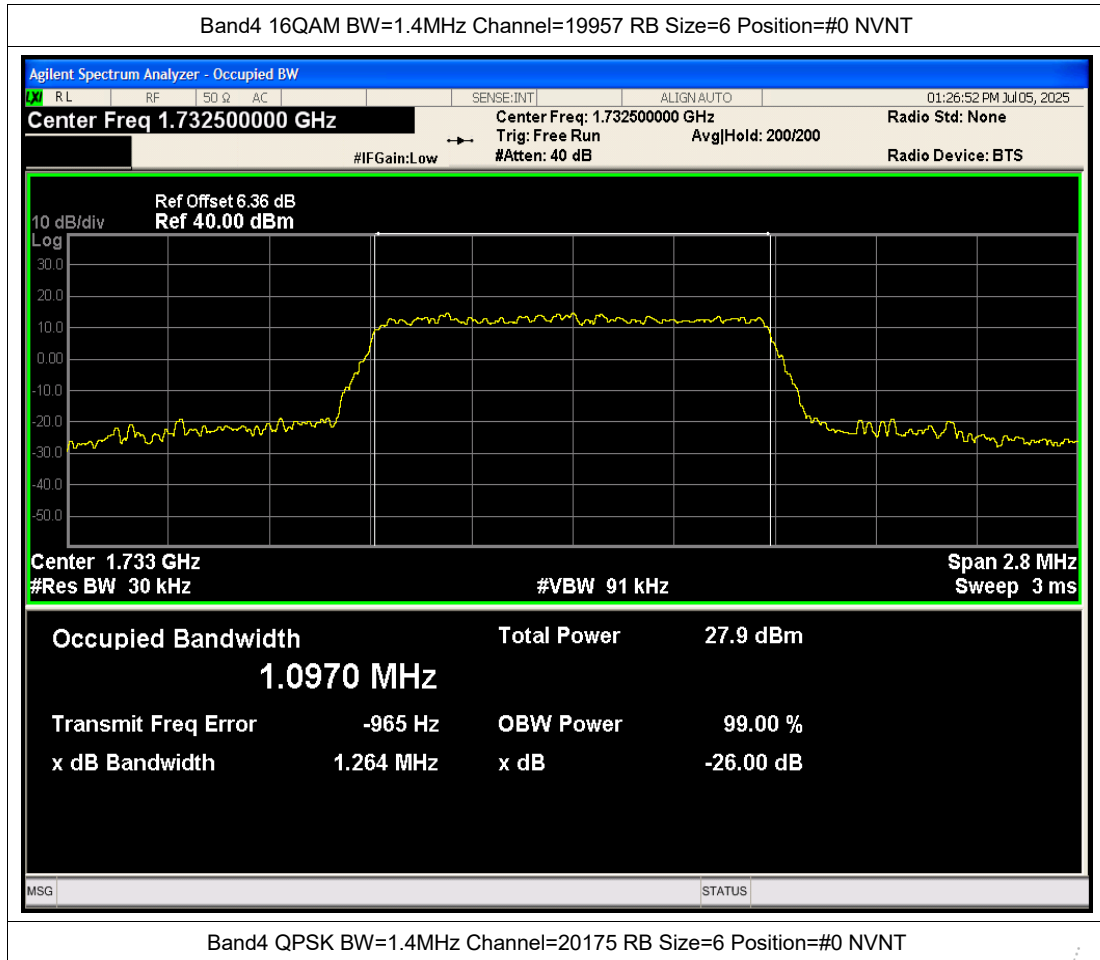
Appendix 4.Occupied bandwidth

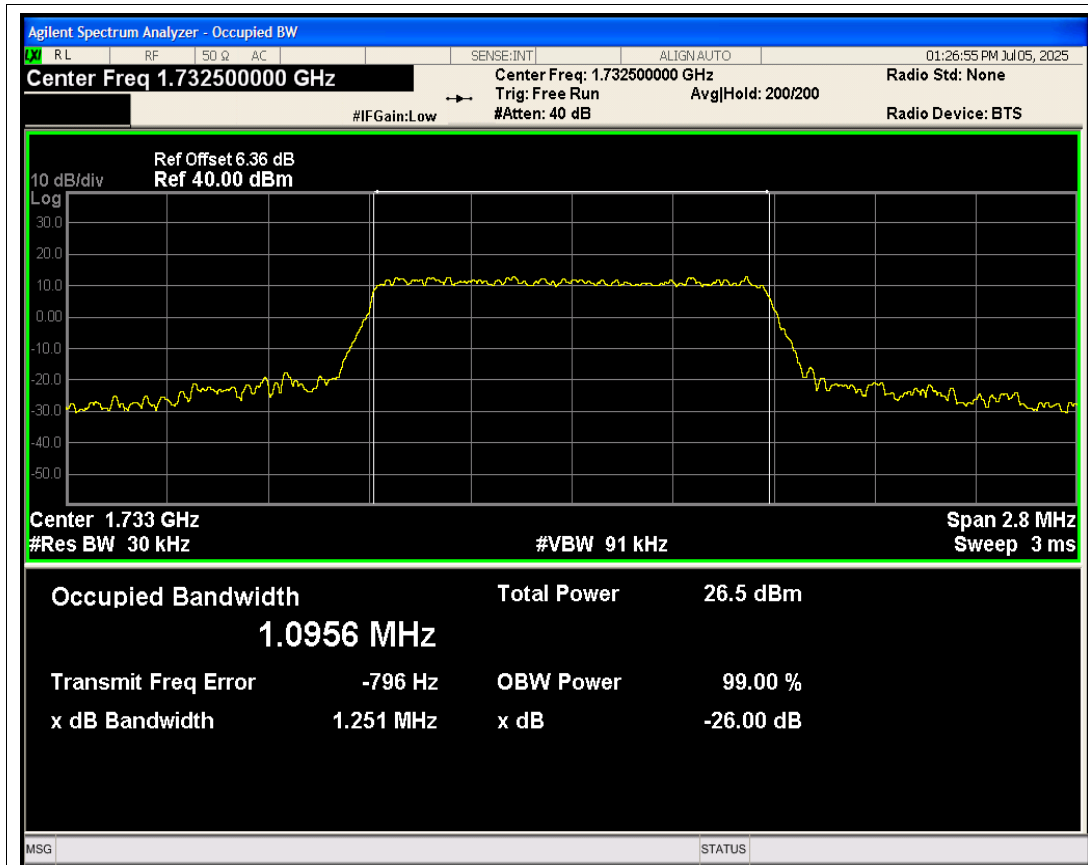
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.098	1.248	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.107	1.240	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.097	1.264	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.096	1.251	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.102	1.251	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.104	1.249	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.698	3.074	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.704	3.033	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.714	3.024	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.711	3.051	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.713	3.034	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.710	3.051	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.534	4.986	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.508	4.982	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.500	4.958	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.533	4.986	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.509	4.918	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.513	4.979	PASS
NVNT	Band4	10	20000	50	#0	QPSK	8.985	9.846	PASS
NVNT	Band4	10	20000	50	#0	16QAM	9.003	9.741	PASS
NVNT	Band4	10	20175	50	#0	QPSK	8.996	9.789	PASS
NVNT	Band4	10	20175	50	#0	16QAM	9.033	9.829	PASS
NVNT	Band4	10	20350	50	#0	QPSK	8.988	9.774	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.007	9.807	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.468	14.790	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.446	14.833	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.500	14.902	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.531	14.921	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.473	14.964	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.490	14.854	PASS
NVNT	Band4	20	20050	100	#0	QPSK	17.921	19.507	PASS
NVNT	Band4	20	20050	100	#0	16QAM	17.924	19.611	PASS
NVNT	Band4	20	20175	100	#0	QPSK	18.021	19.738	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.065	19.844	PASS
NVNT	Band4	20	20300	100	#0	QPSK	17.982	19.565	PASS
NVNT	Band4	20	20300	100	#0	16QAM	17.970	19.463	PASS



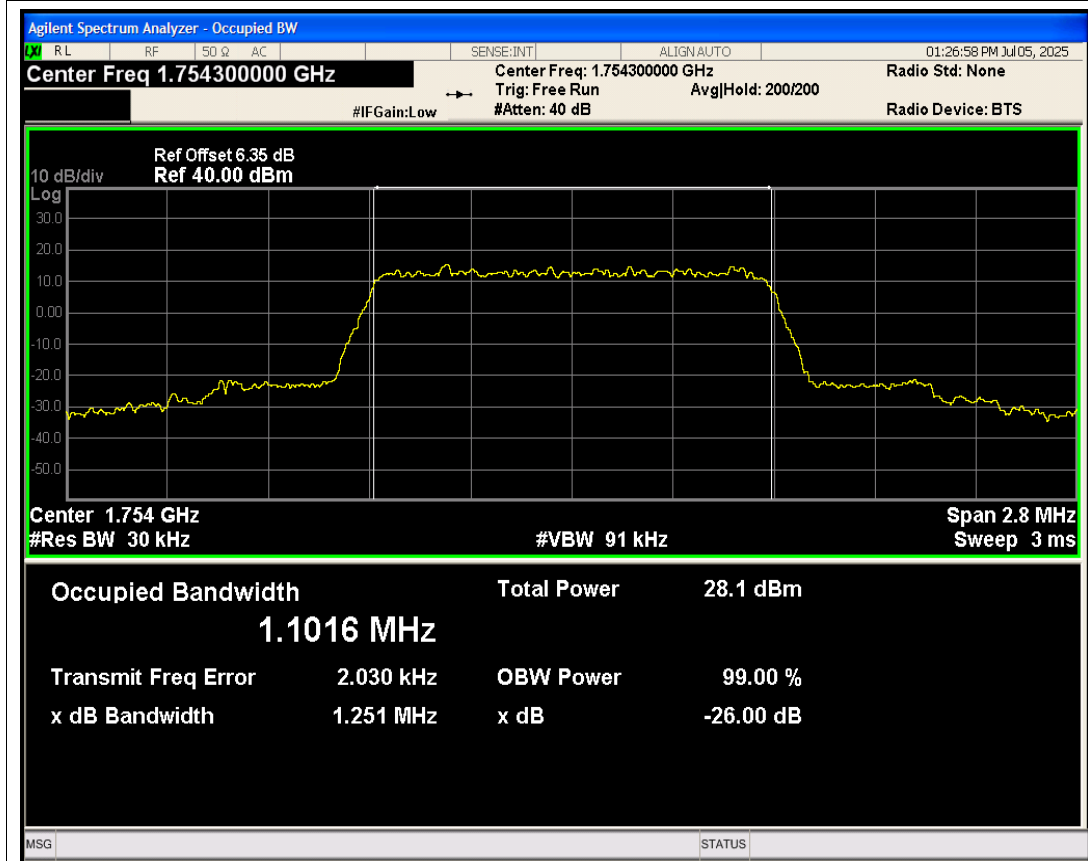
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

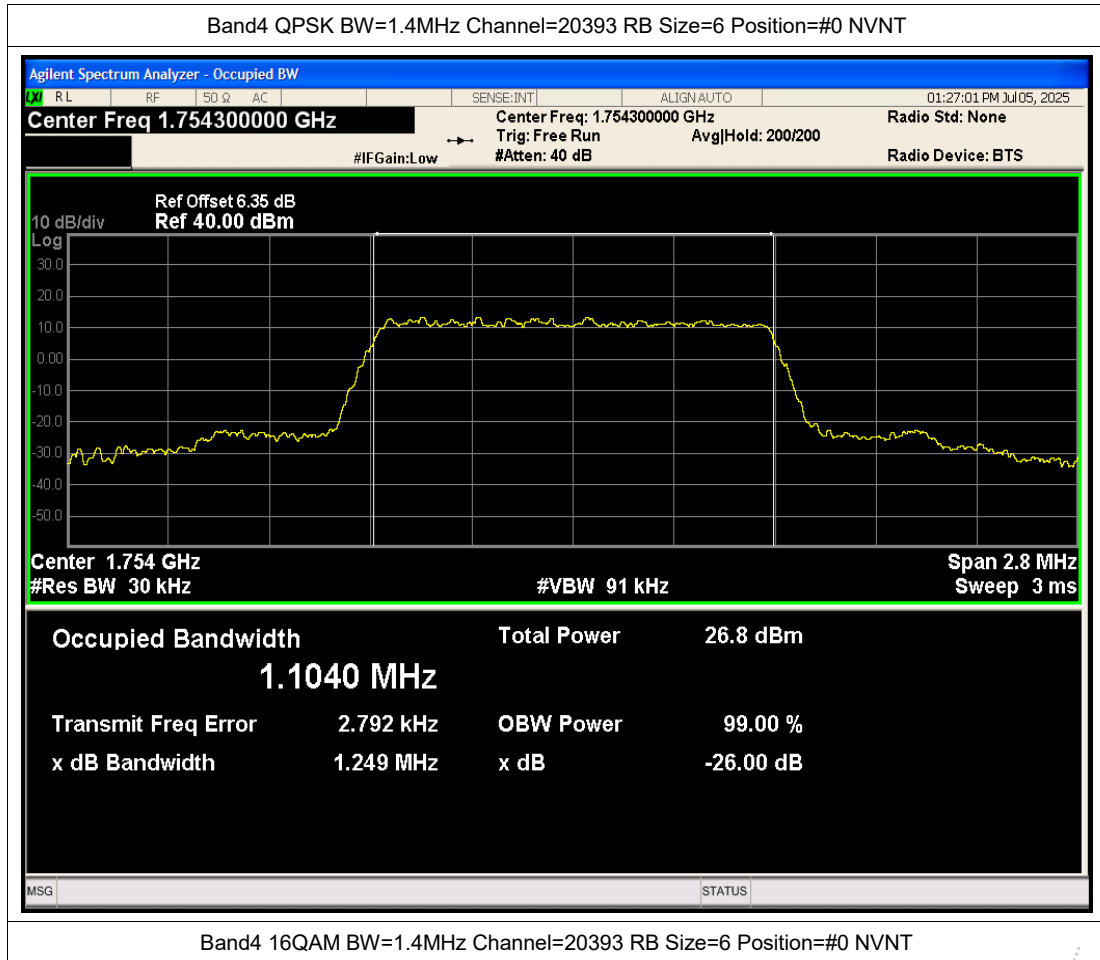


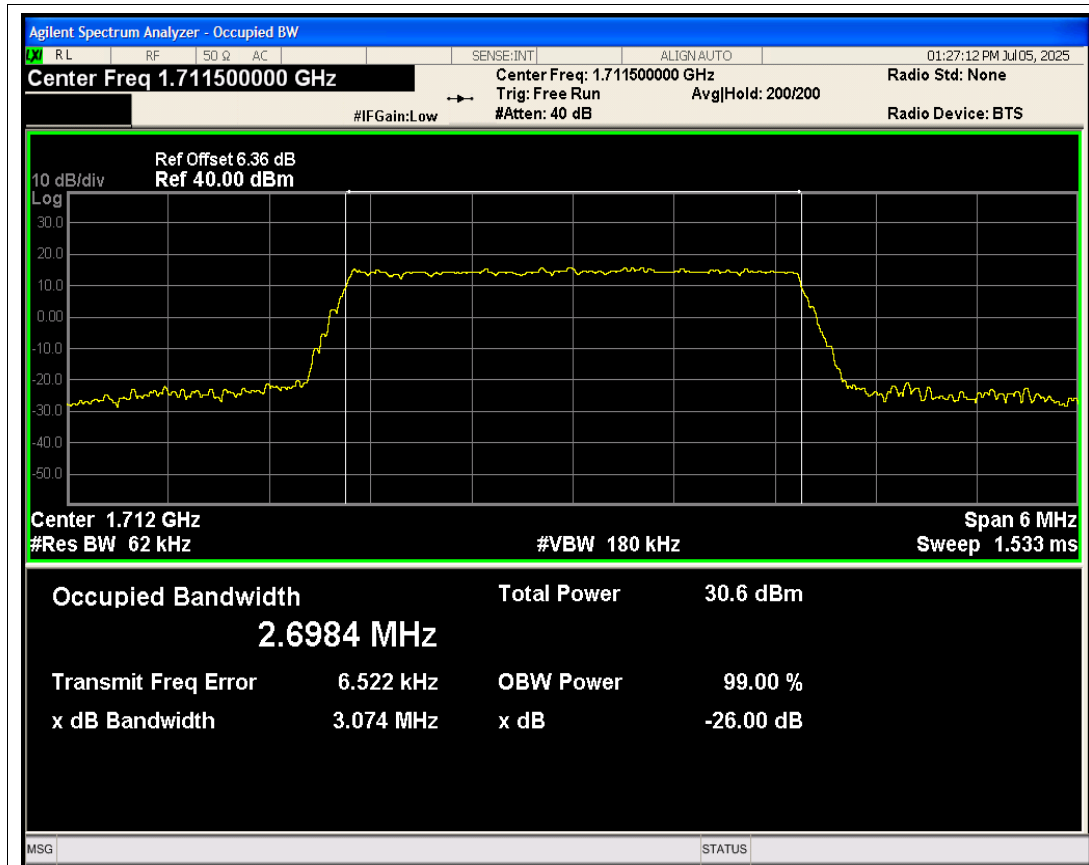




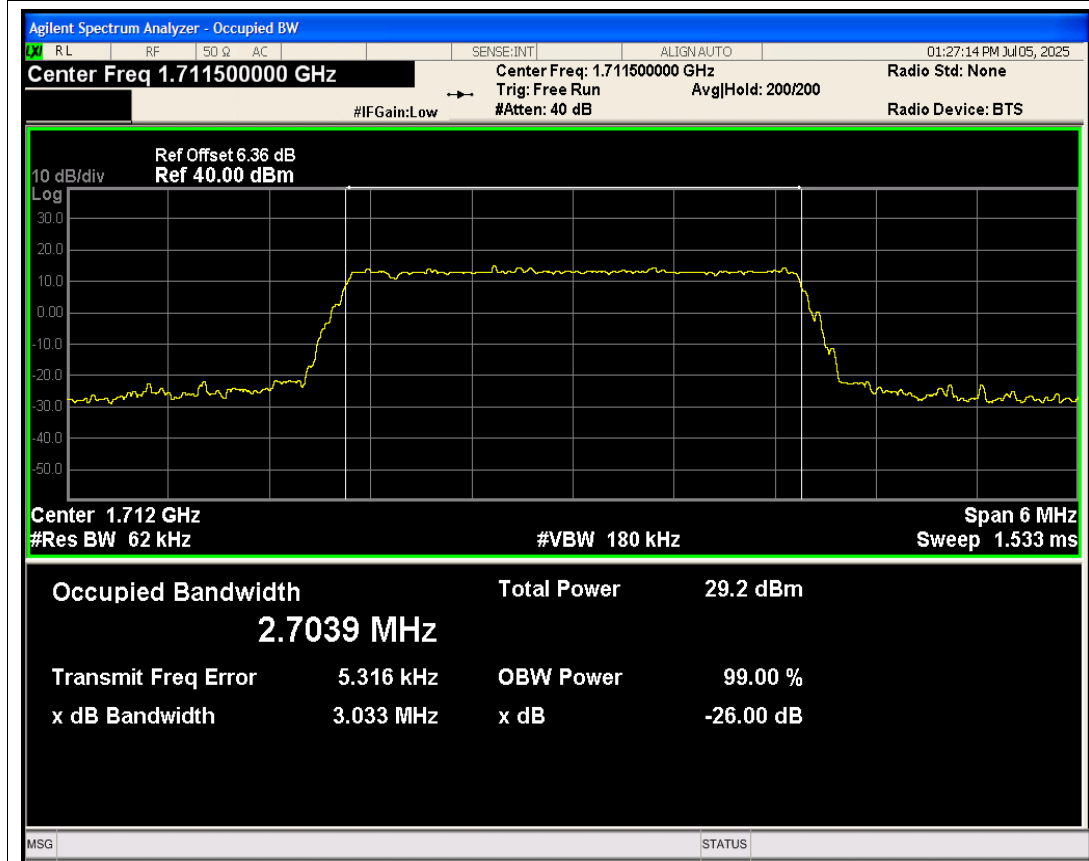
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT





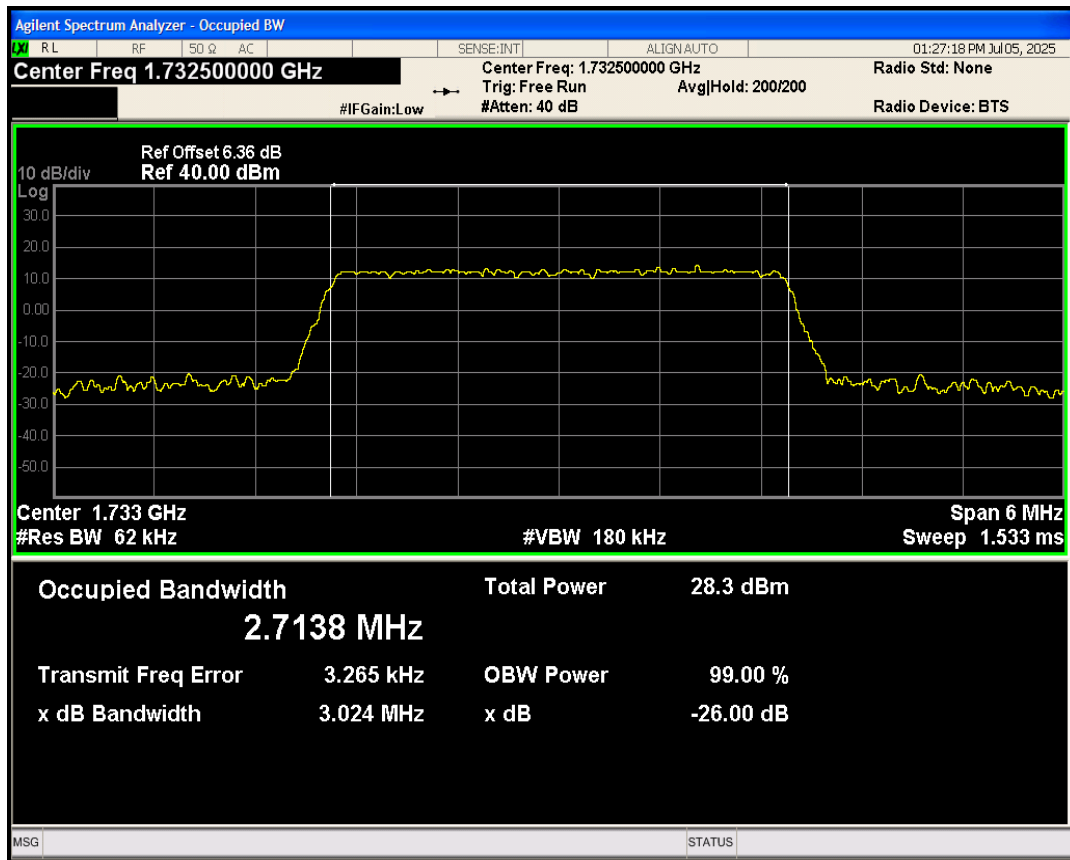


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

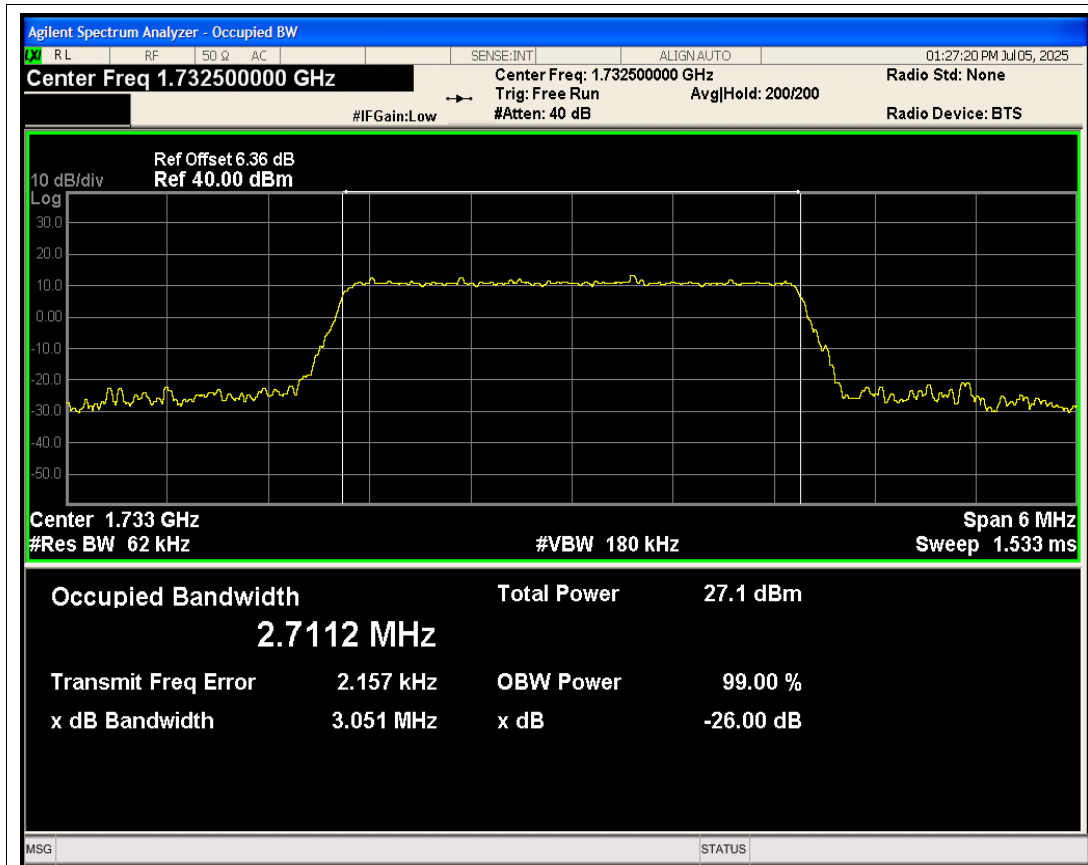




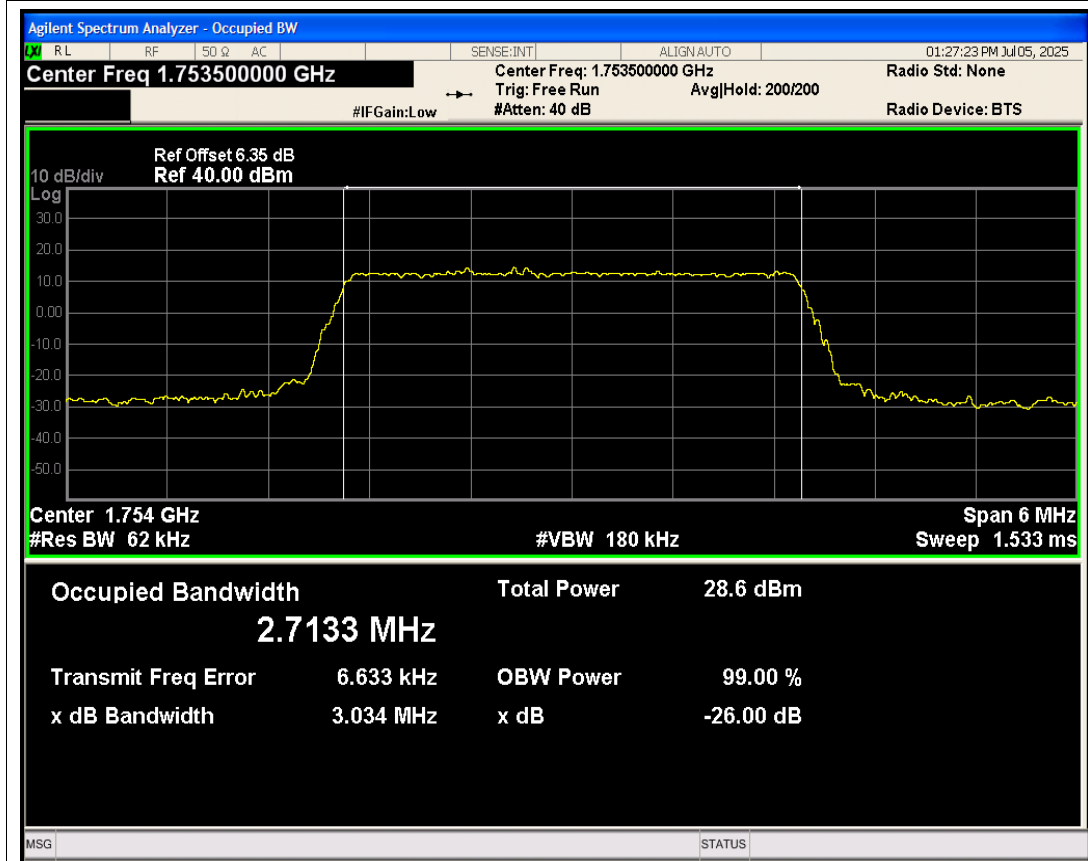
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

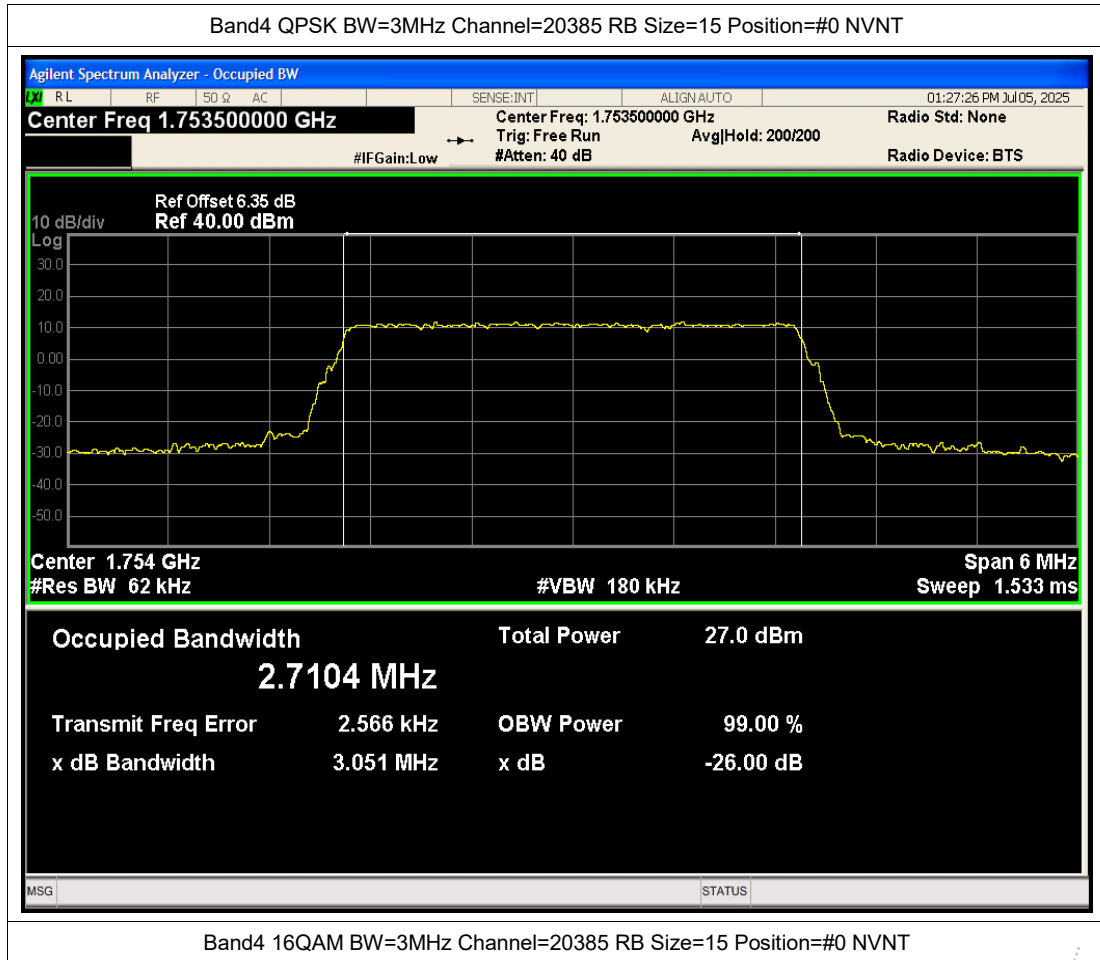


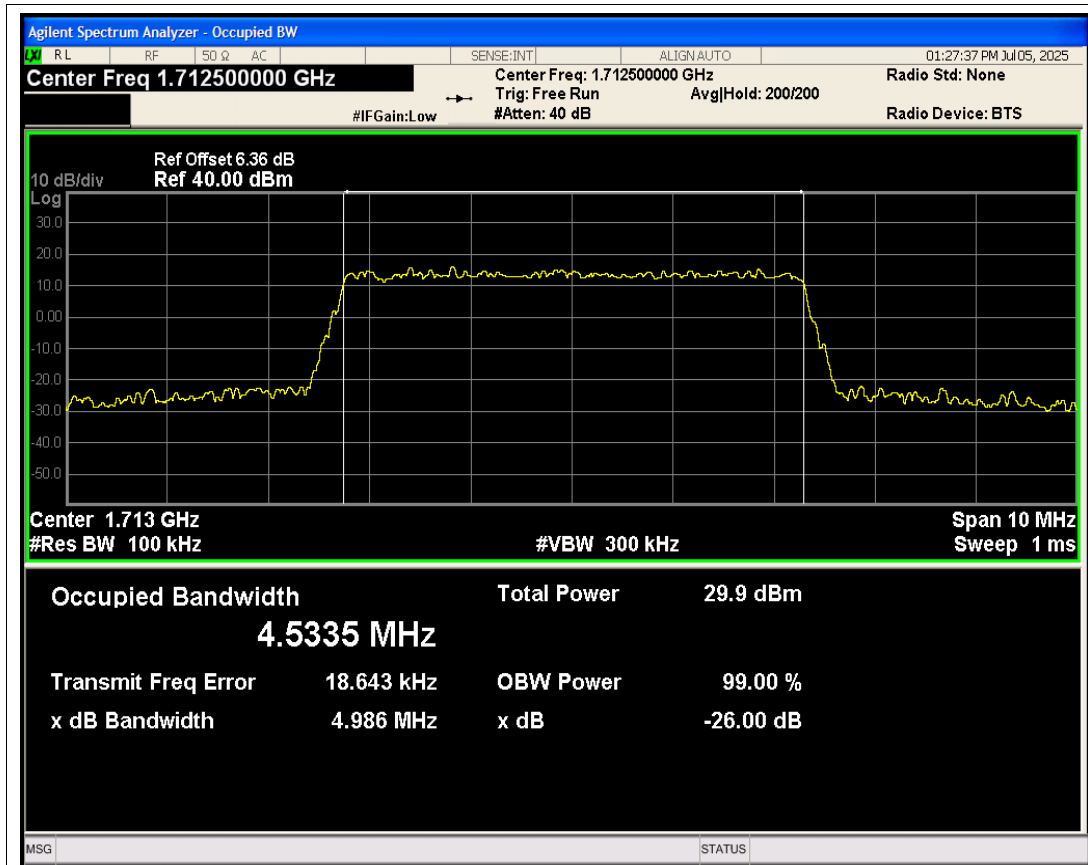
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



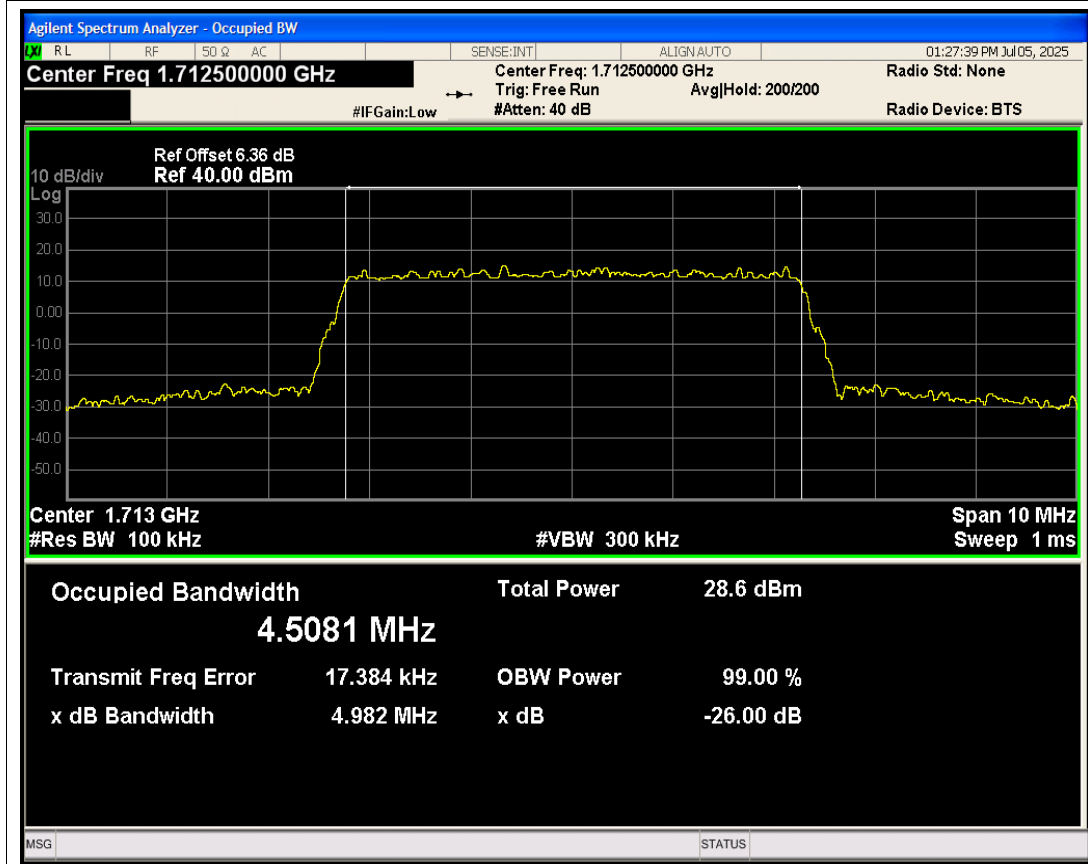
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT





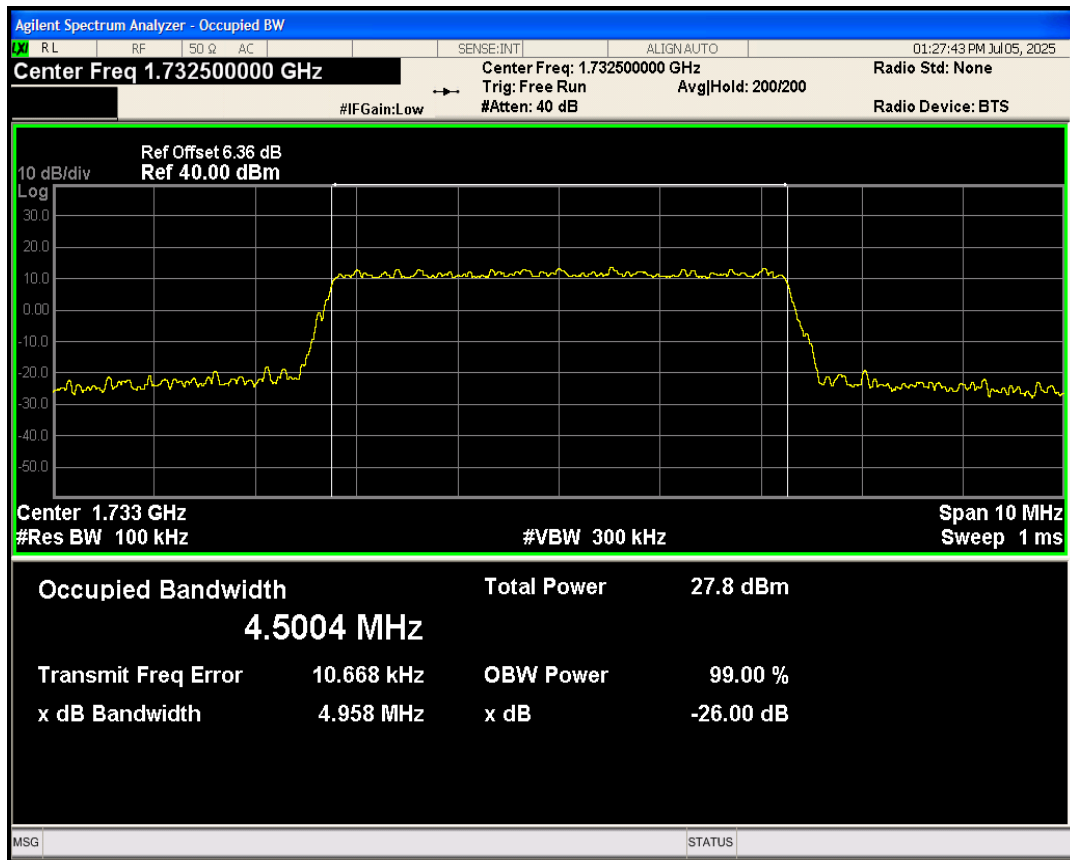


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

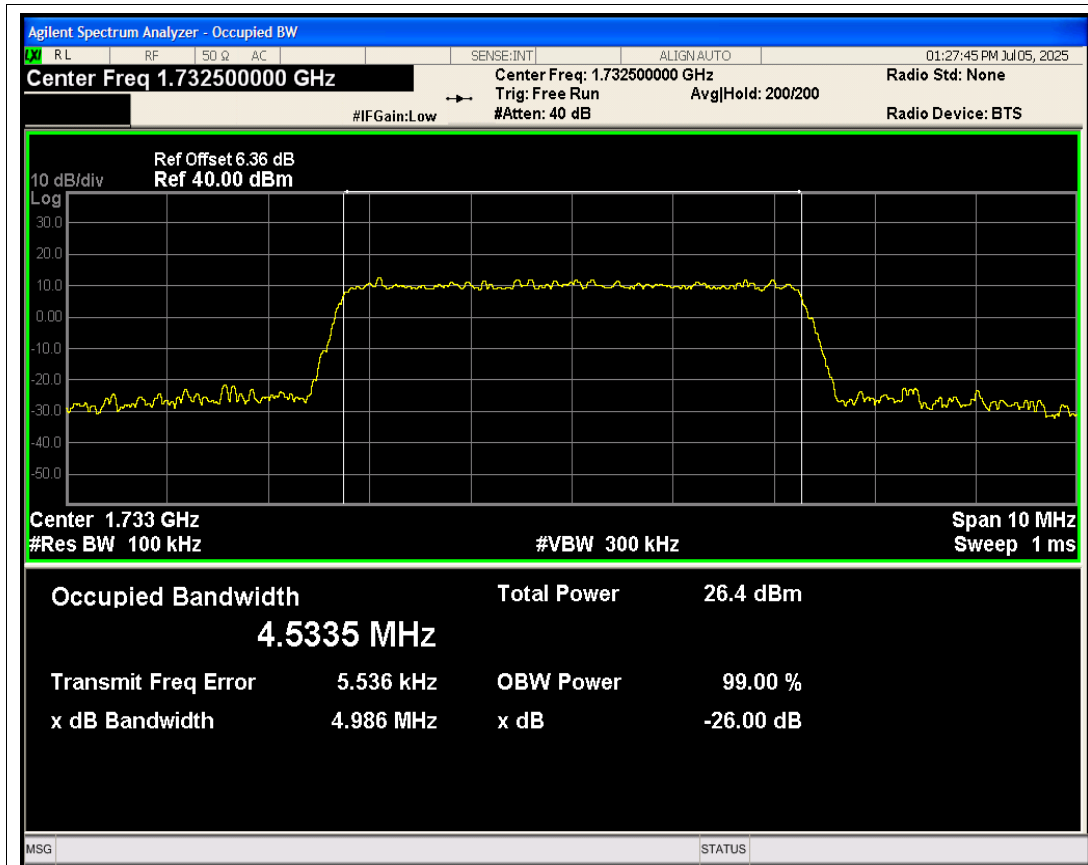




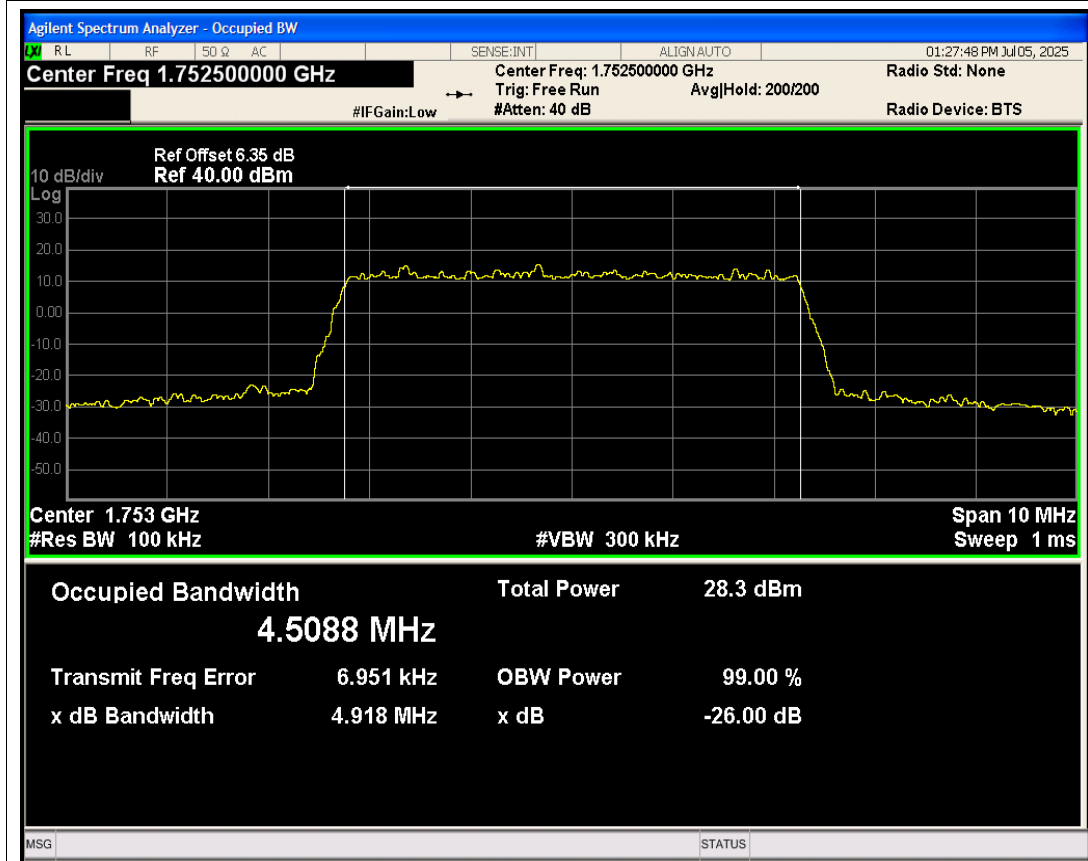
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

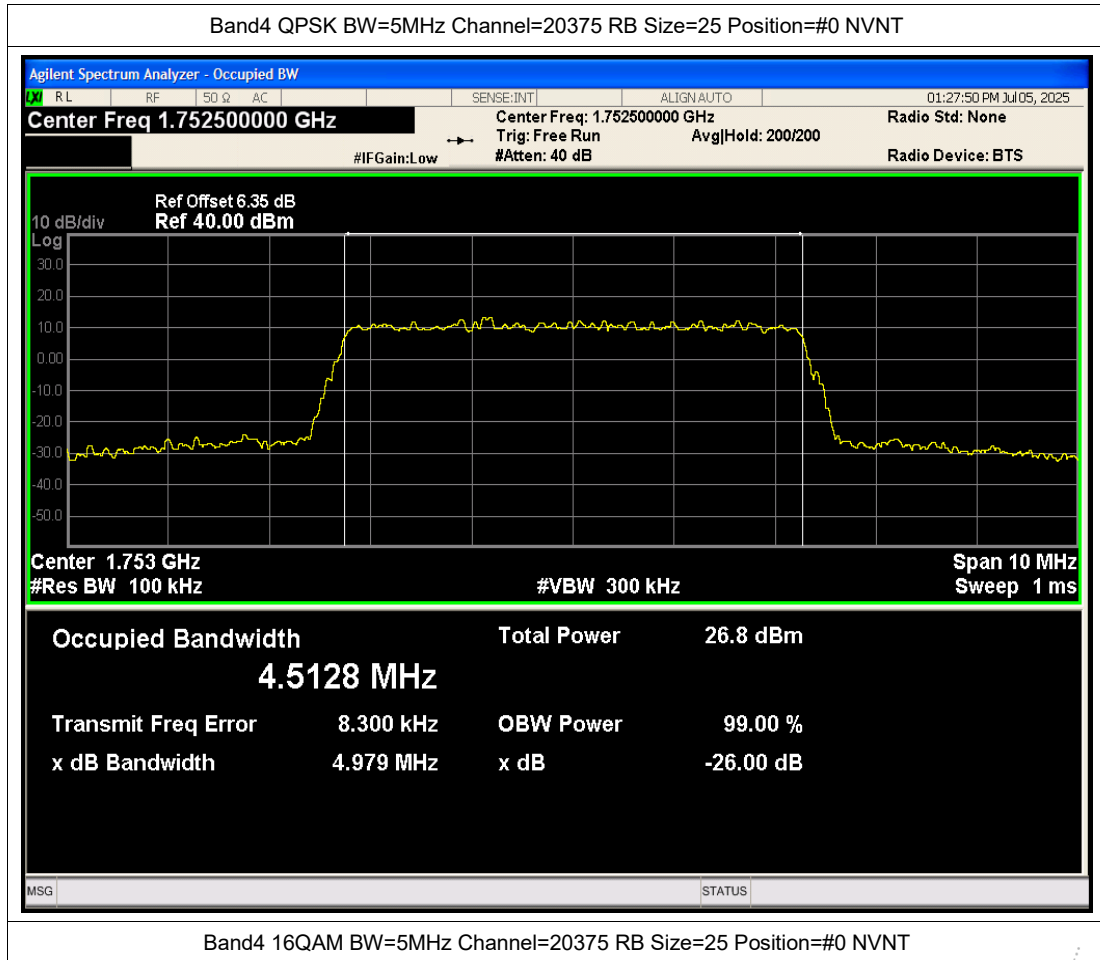


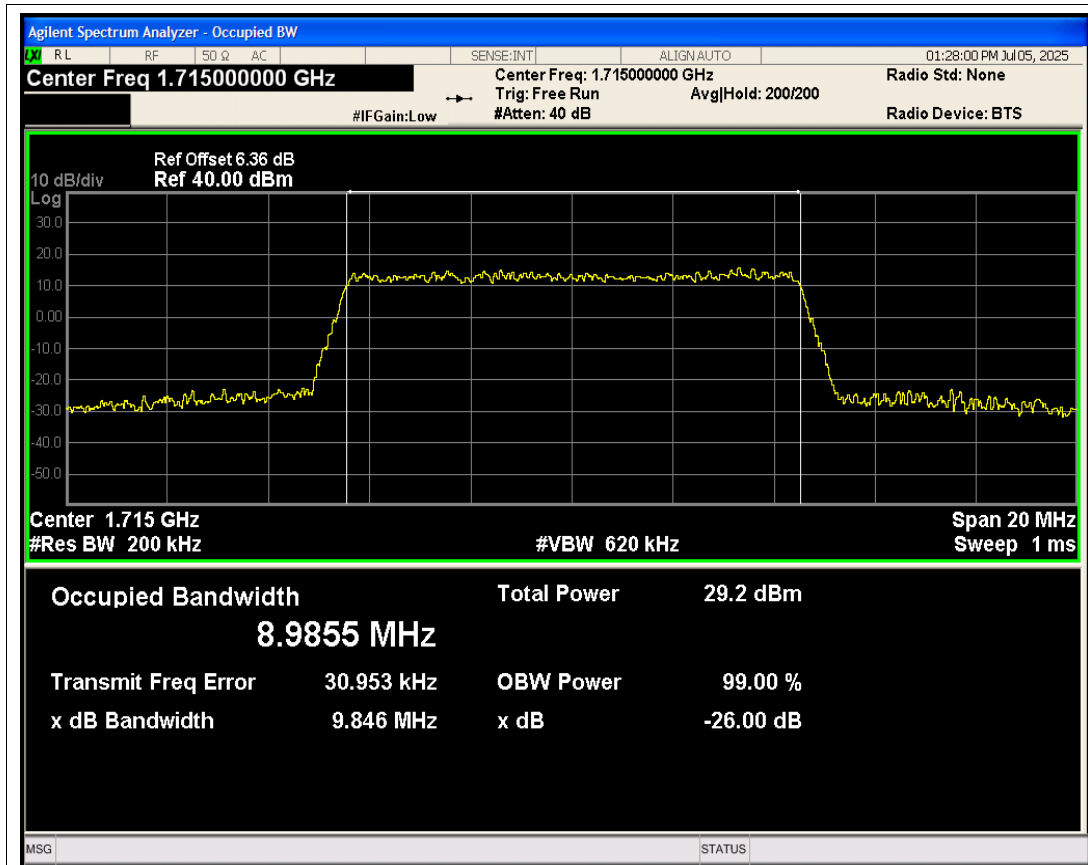
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



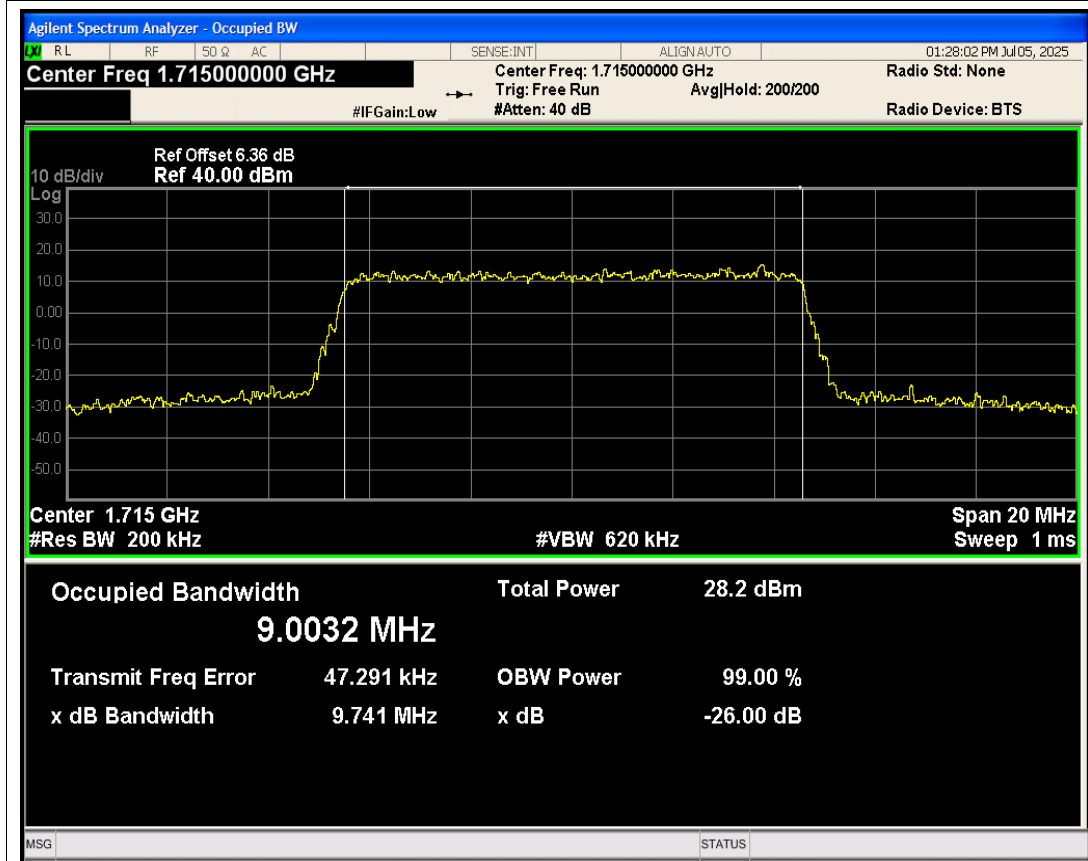
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

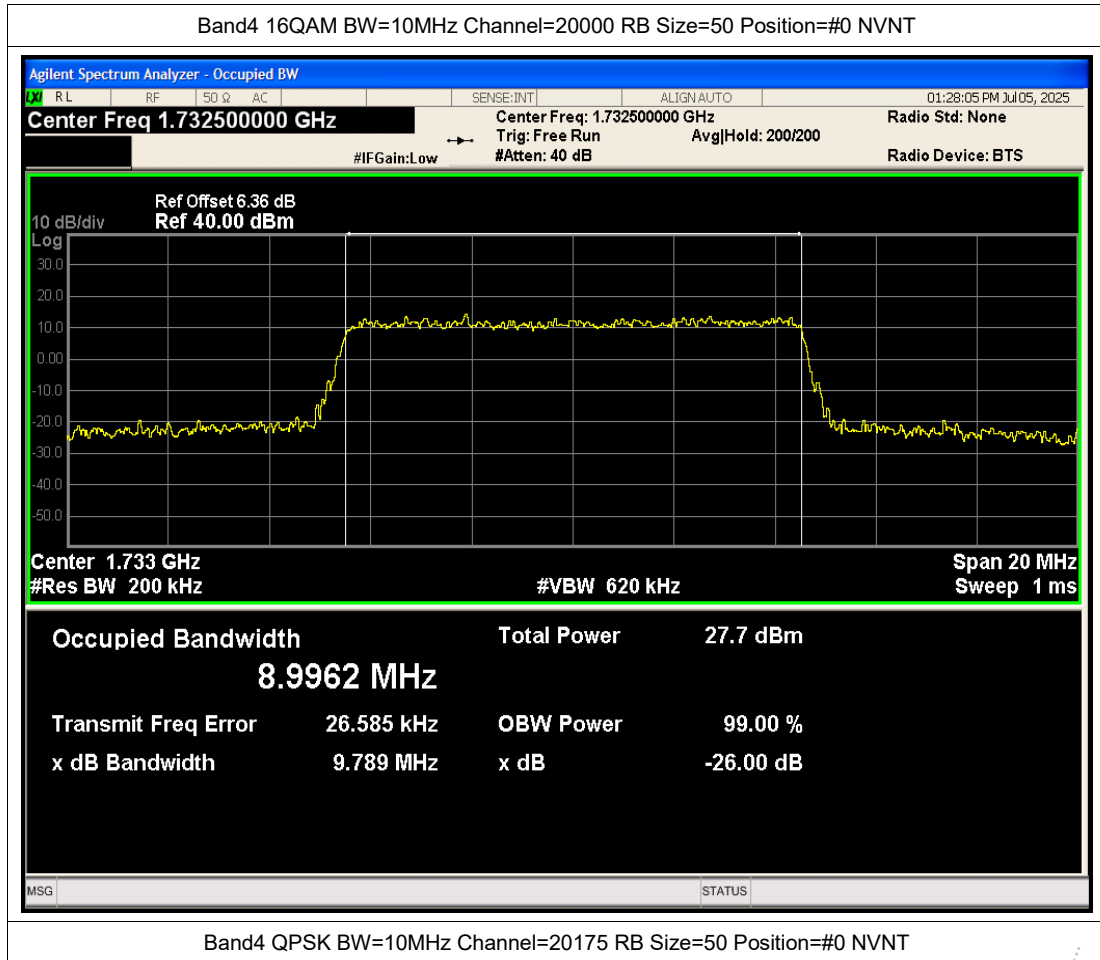


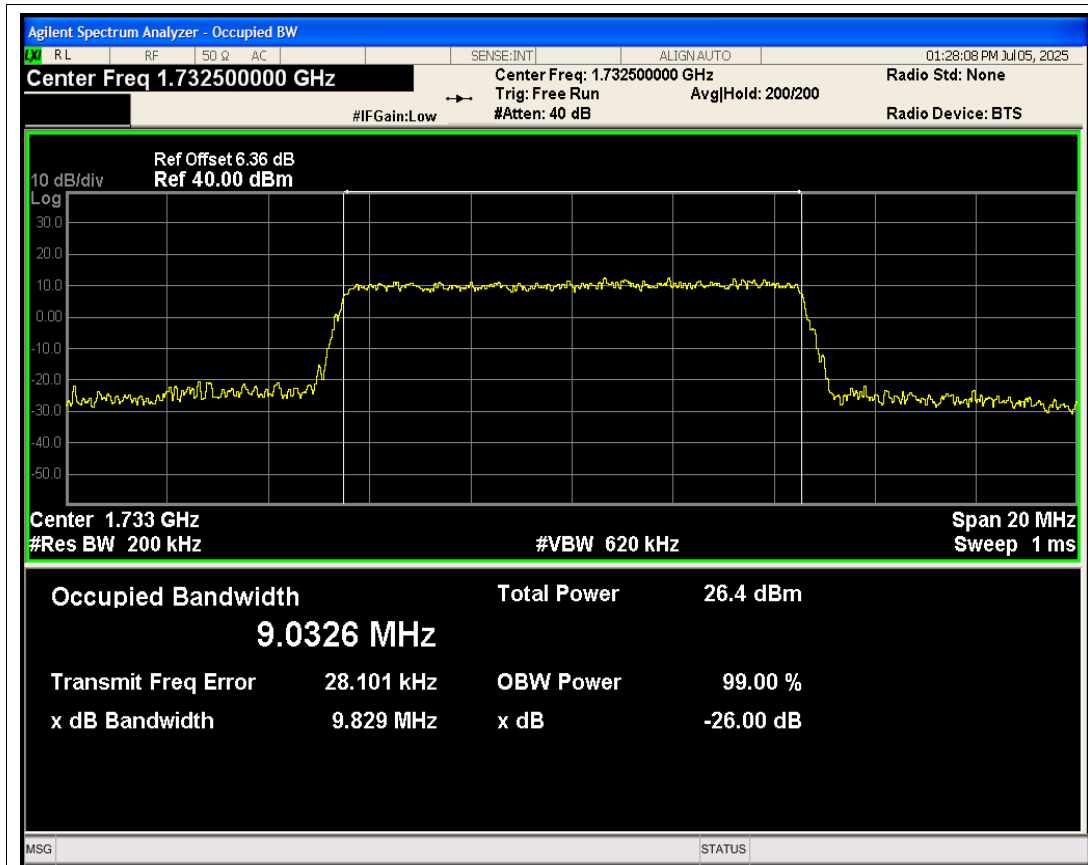




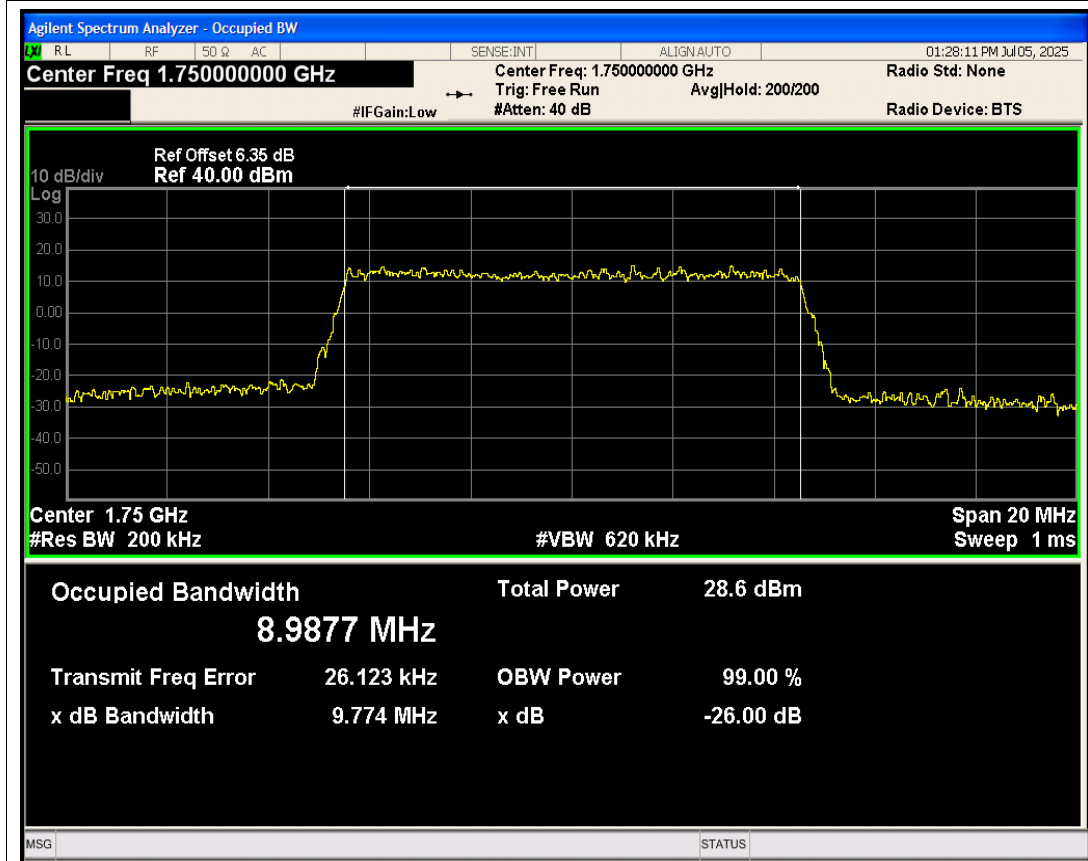
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

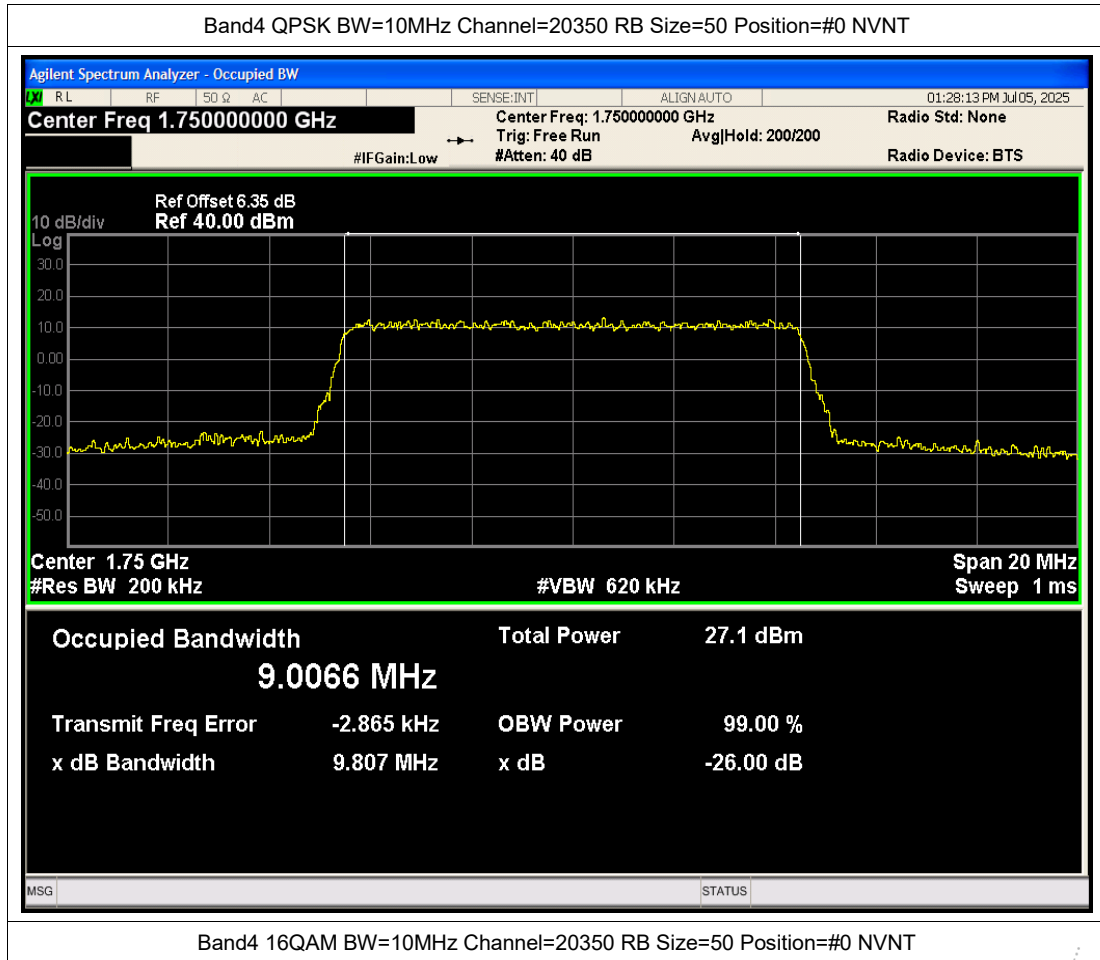


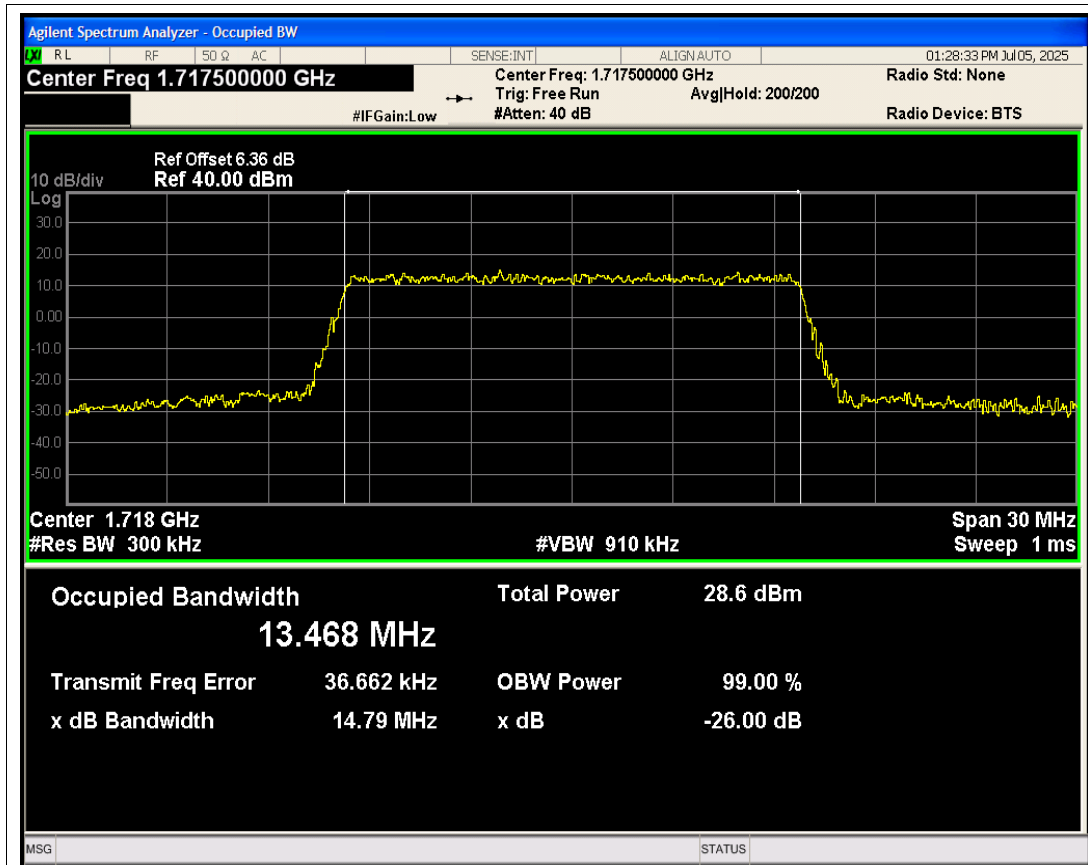




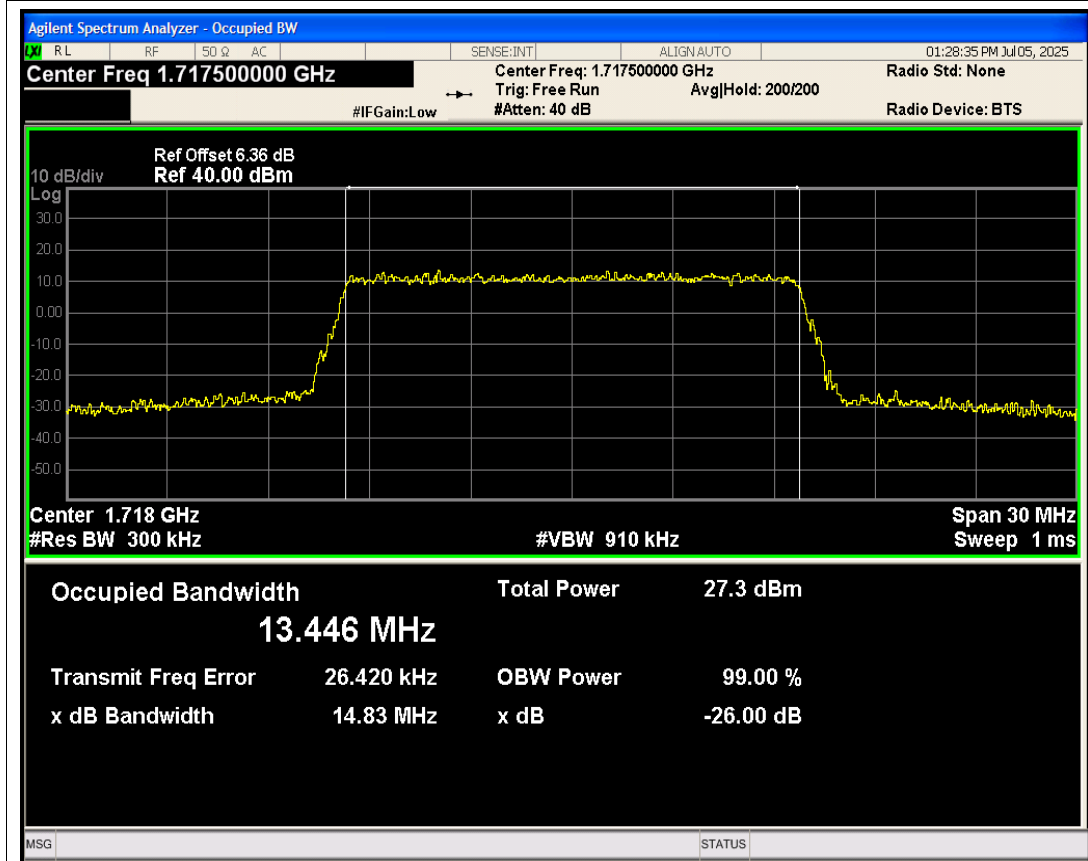
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

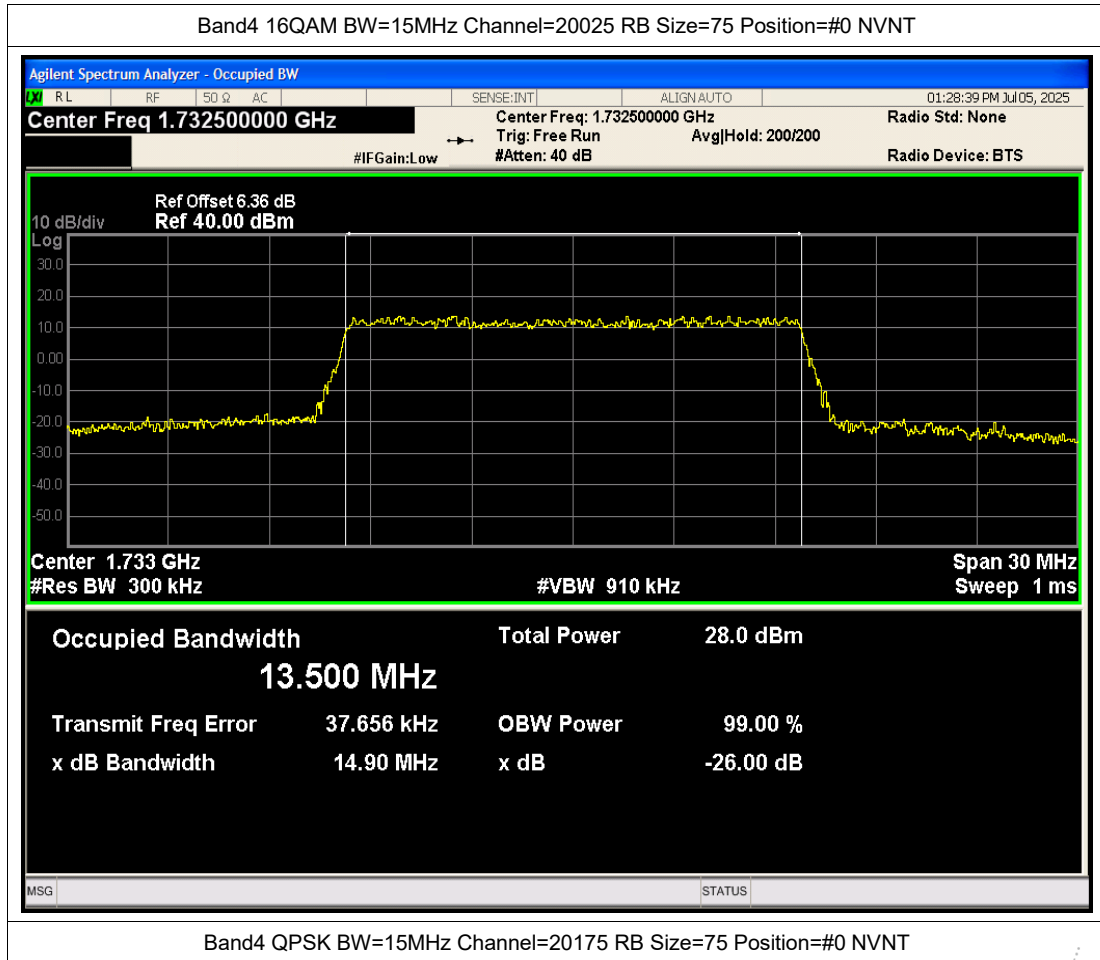


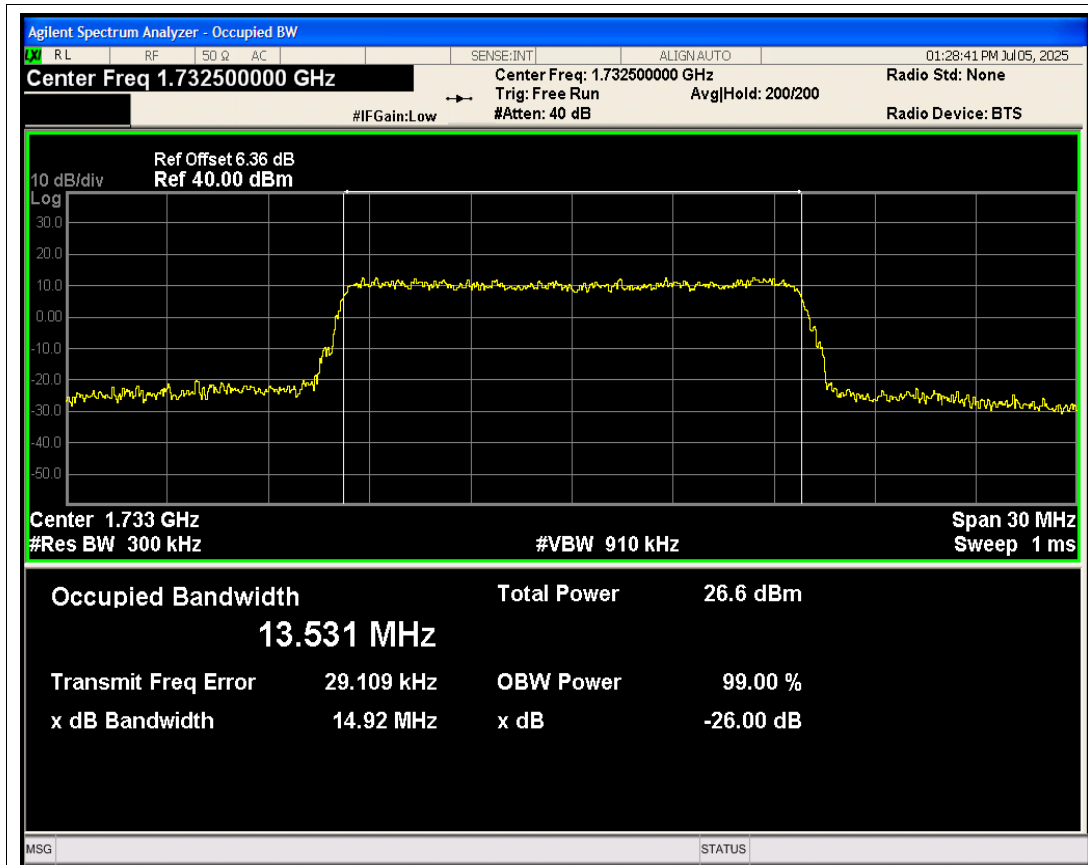




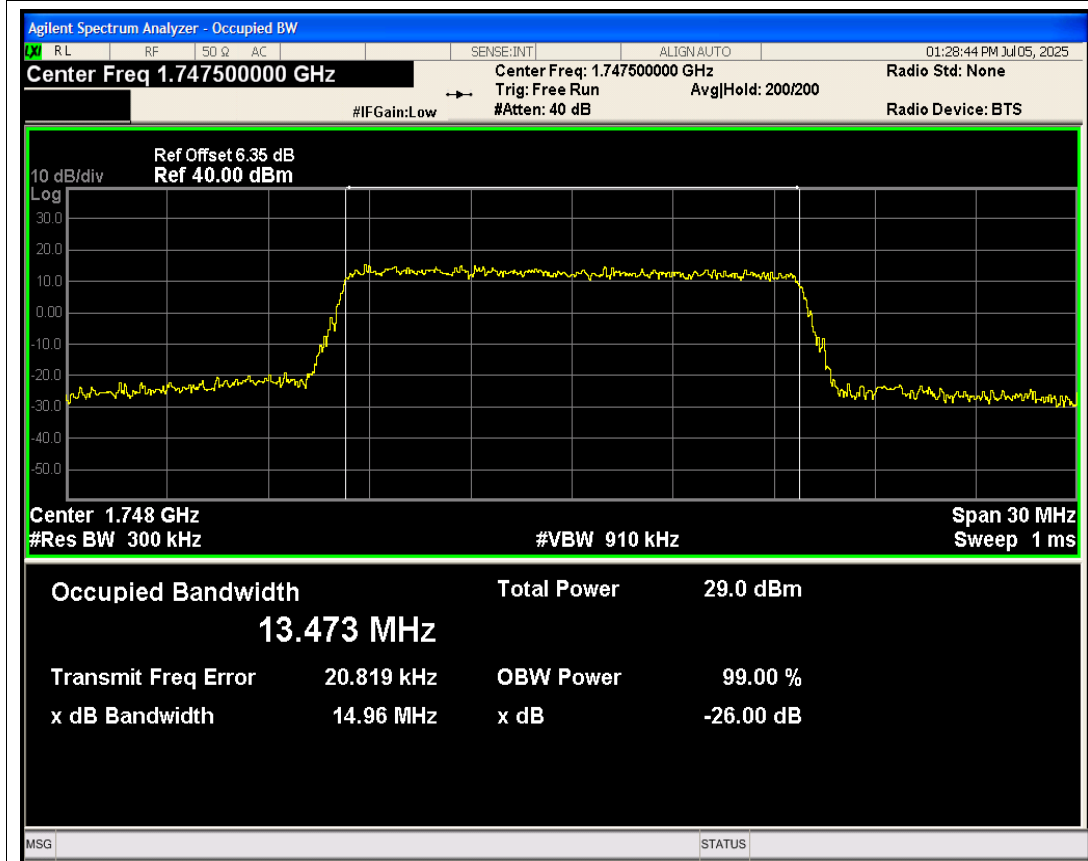
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

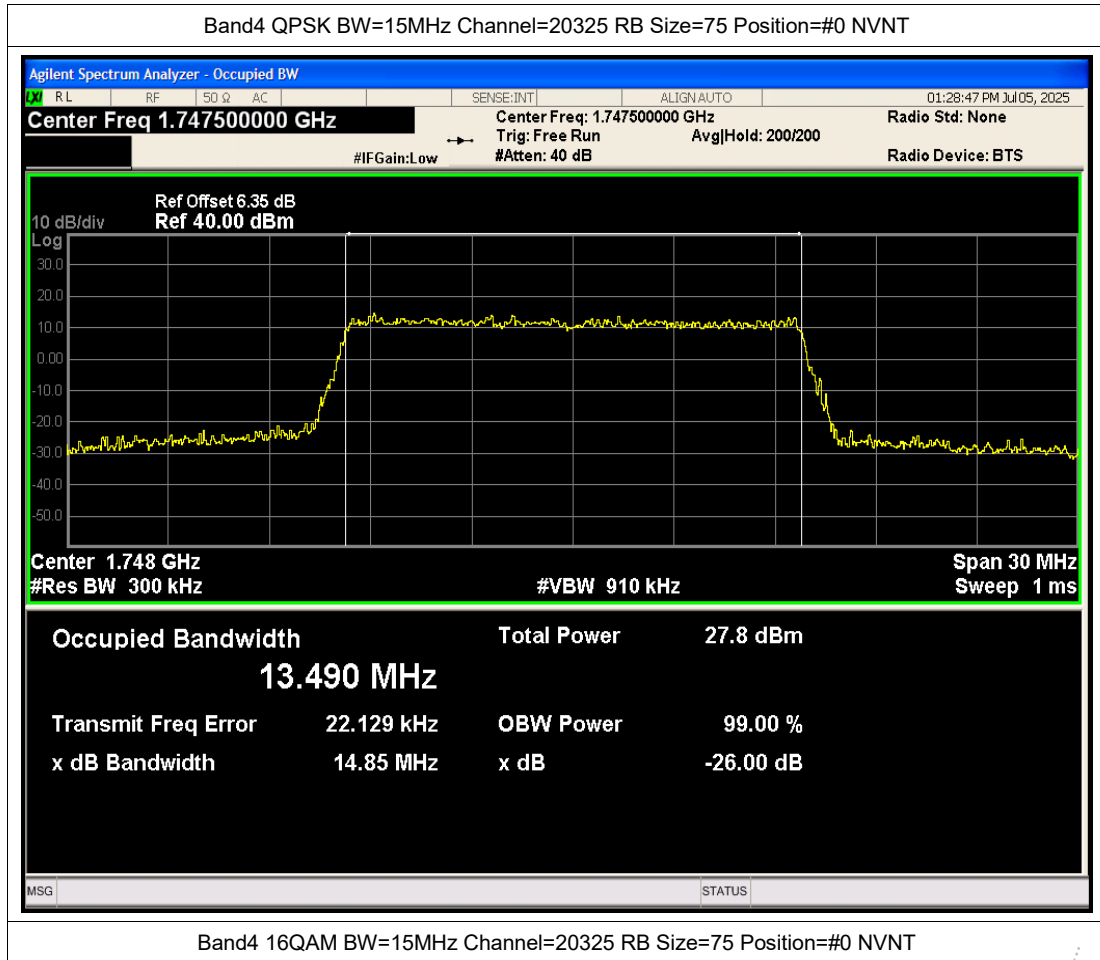


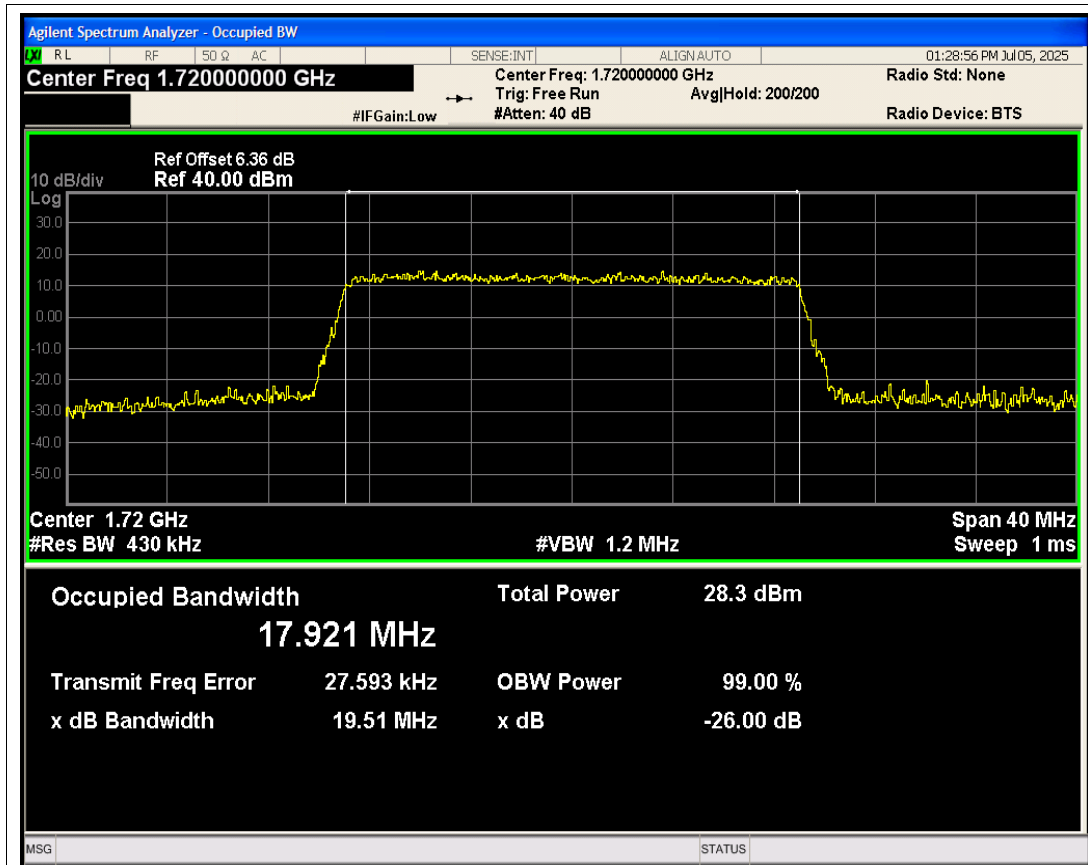




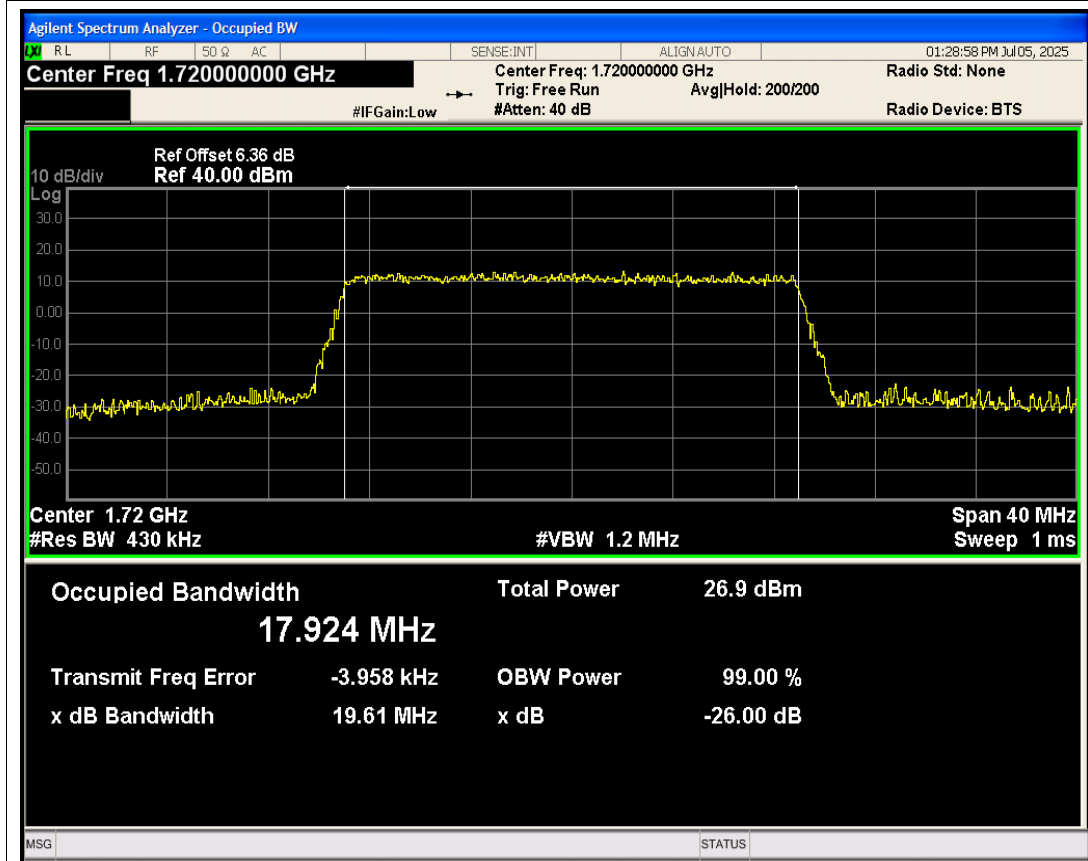
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

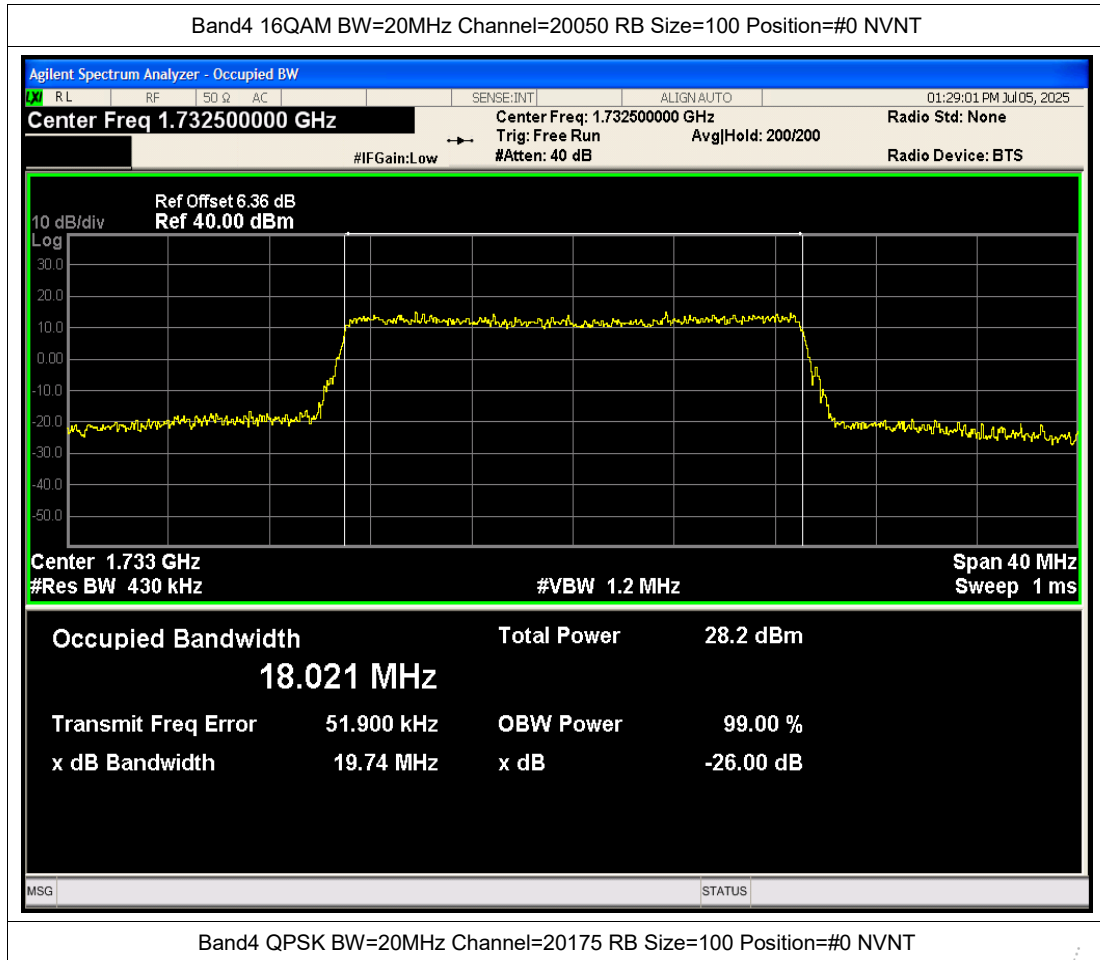


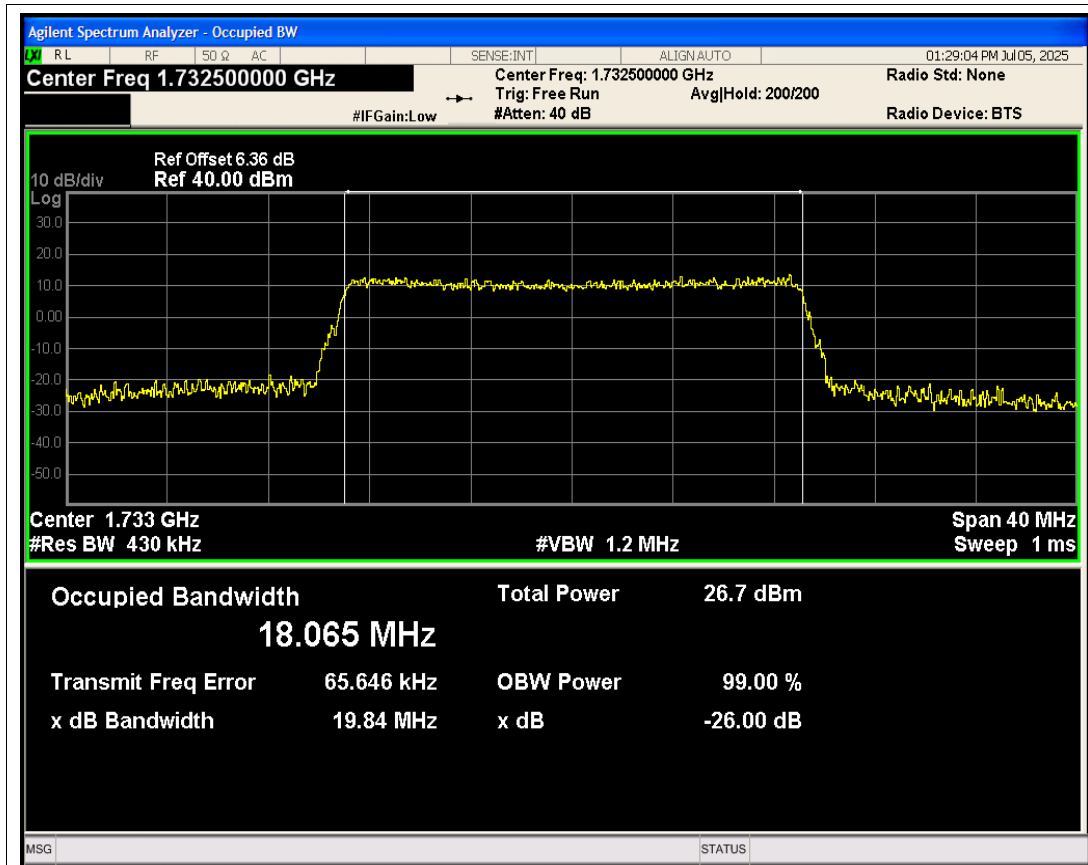




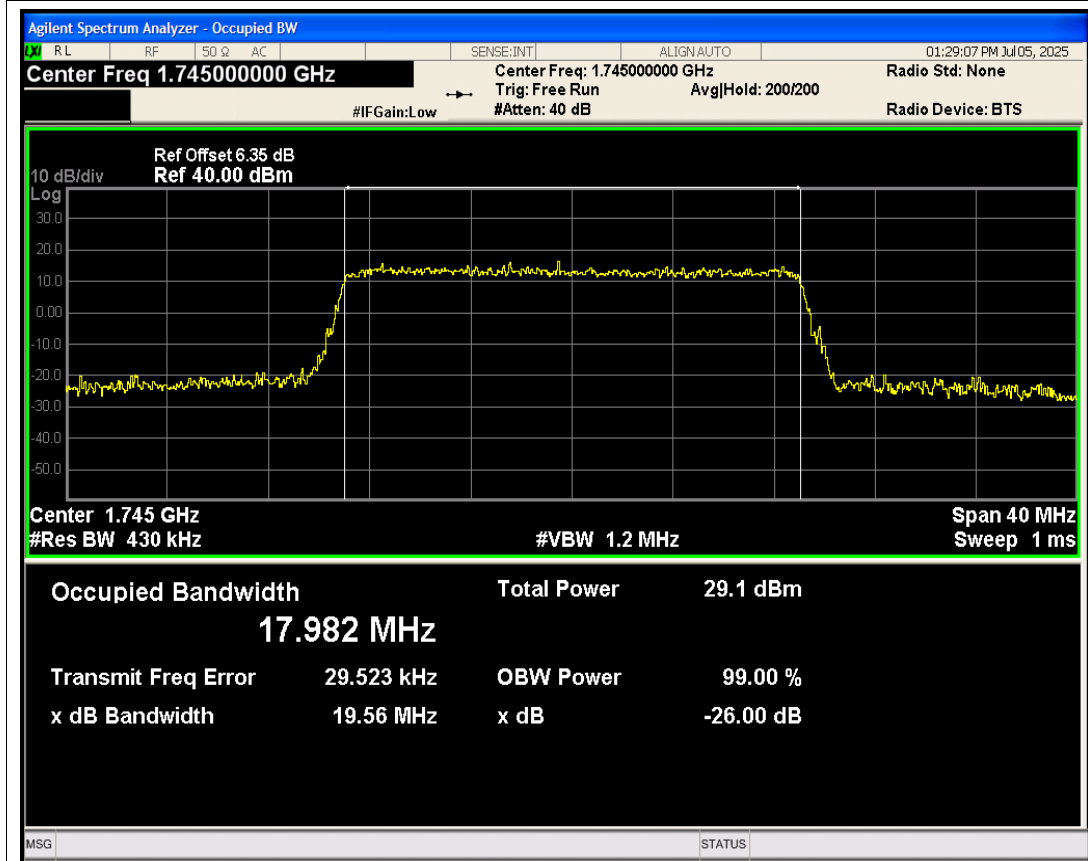
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

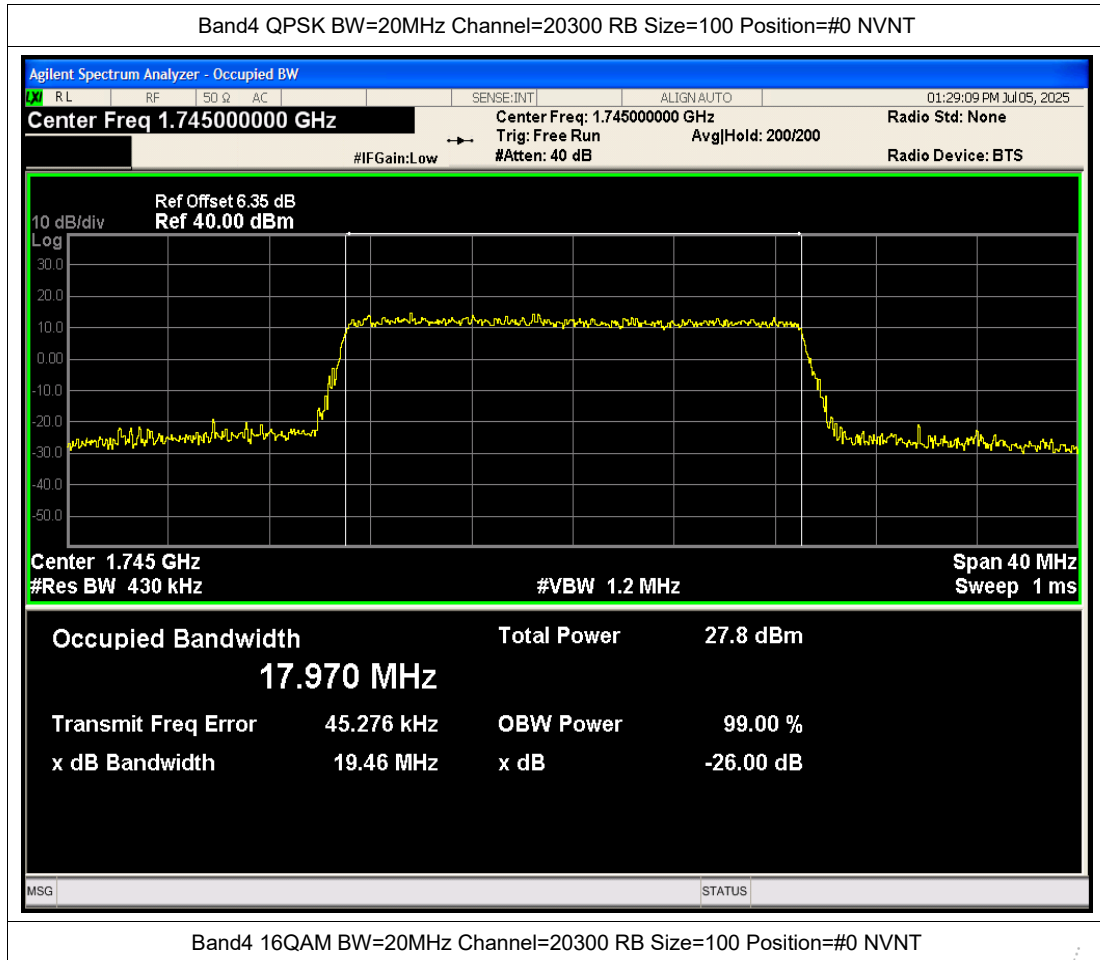






Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





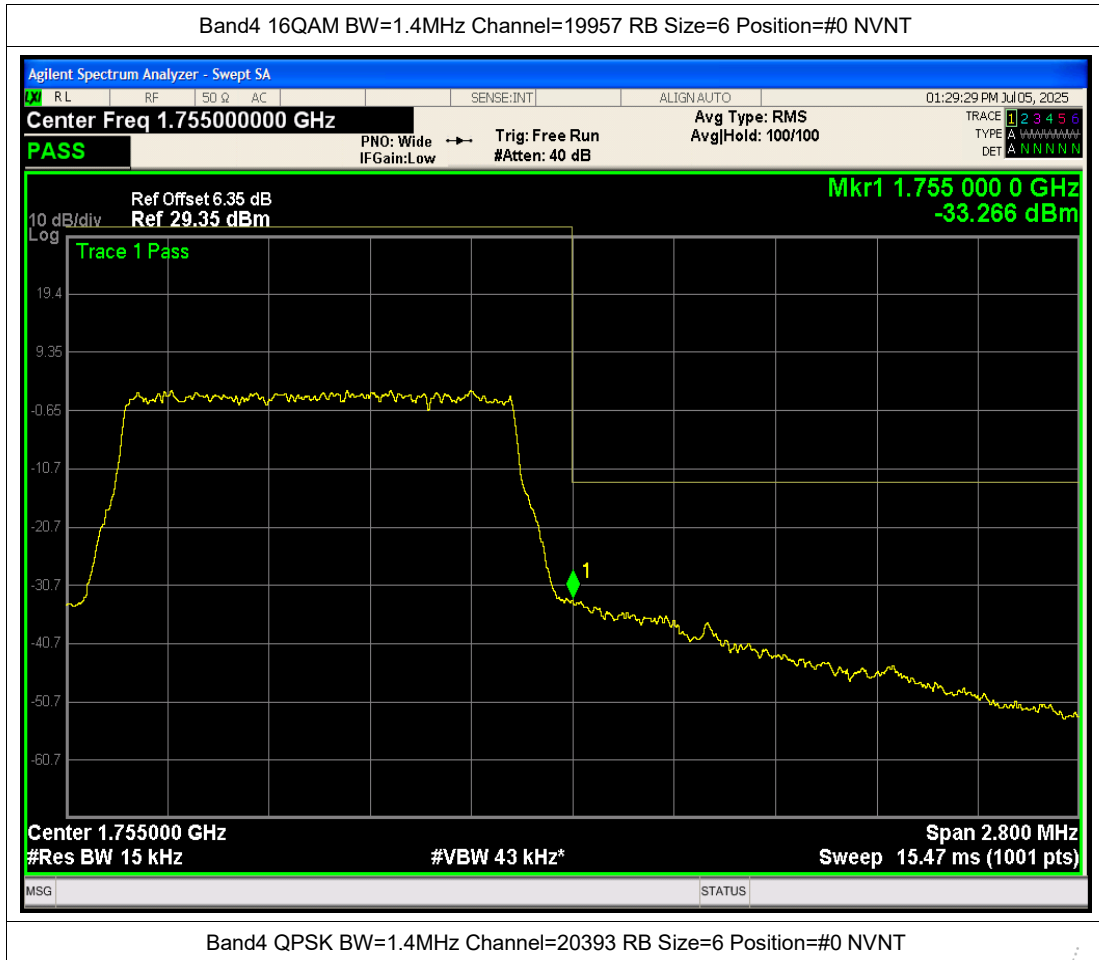
Appendix 5.Band edge

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	1710.00	-31.57	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1709.97	-33.35	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.00	-33.26	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.01	-34.84	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1709.99	-25.41	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-25.92	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-27.06	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-28.32	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1709.99	-31.32	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-32.99	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.00	-32.31	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-33.91	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1710.00	-33.22	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1709.96	-34.96	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.00	-34.33	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.00	-35.50	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1710.00	-33.18	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1710.00	-35.88	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.00	-32.98	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.06	-35.60	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1710.00	-36.67	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1710.00	-37.59	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.00	-34.63	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.56	-37.91	-13	PASS



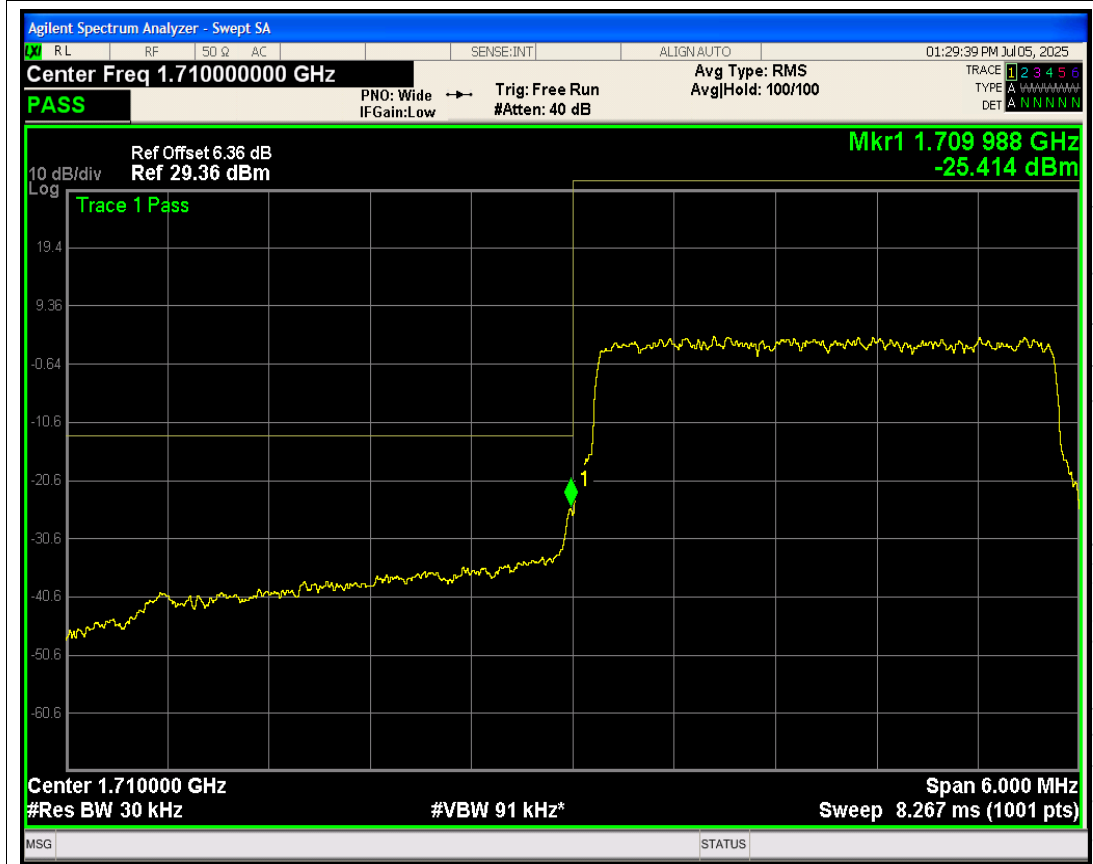
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

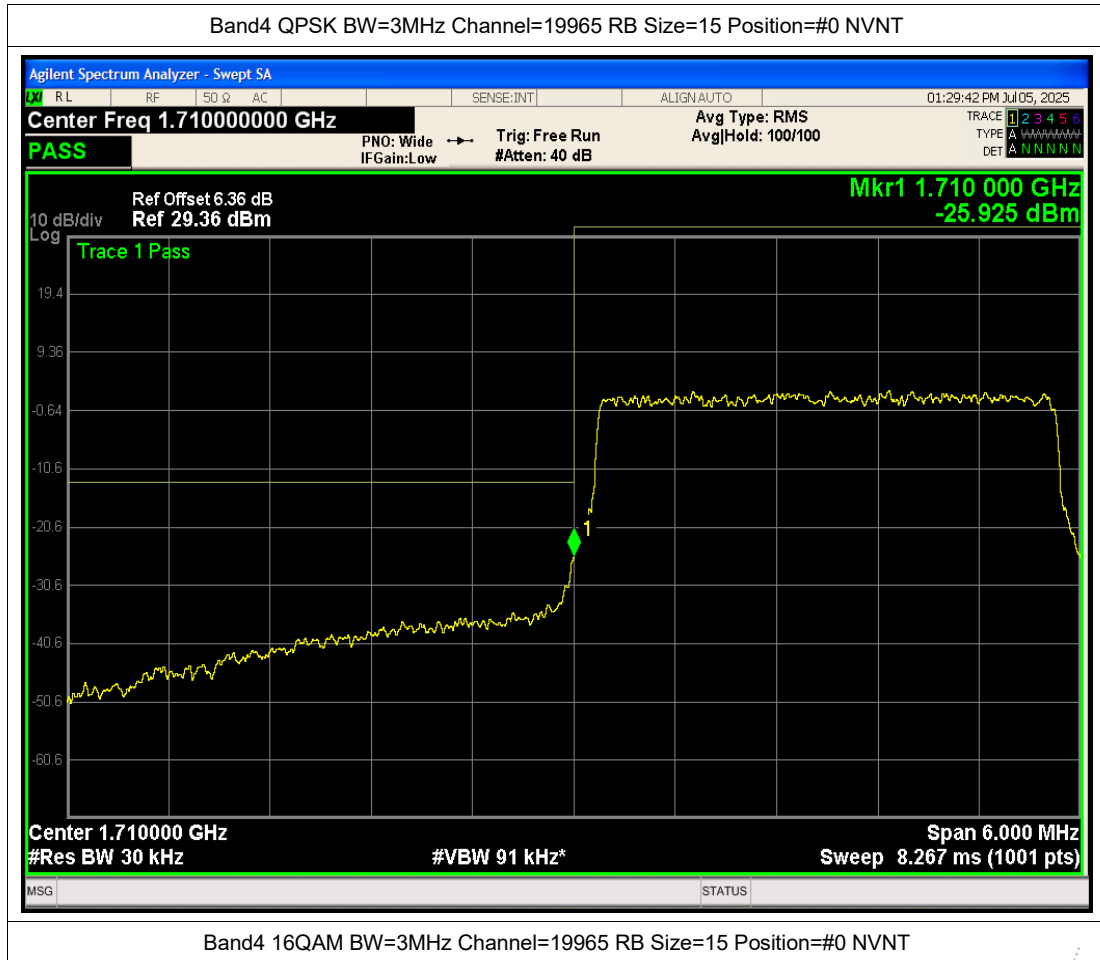






Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

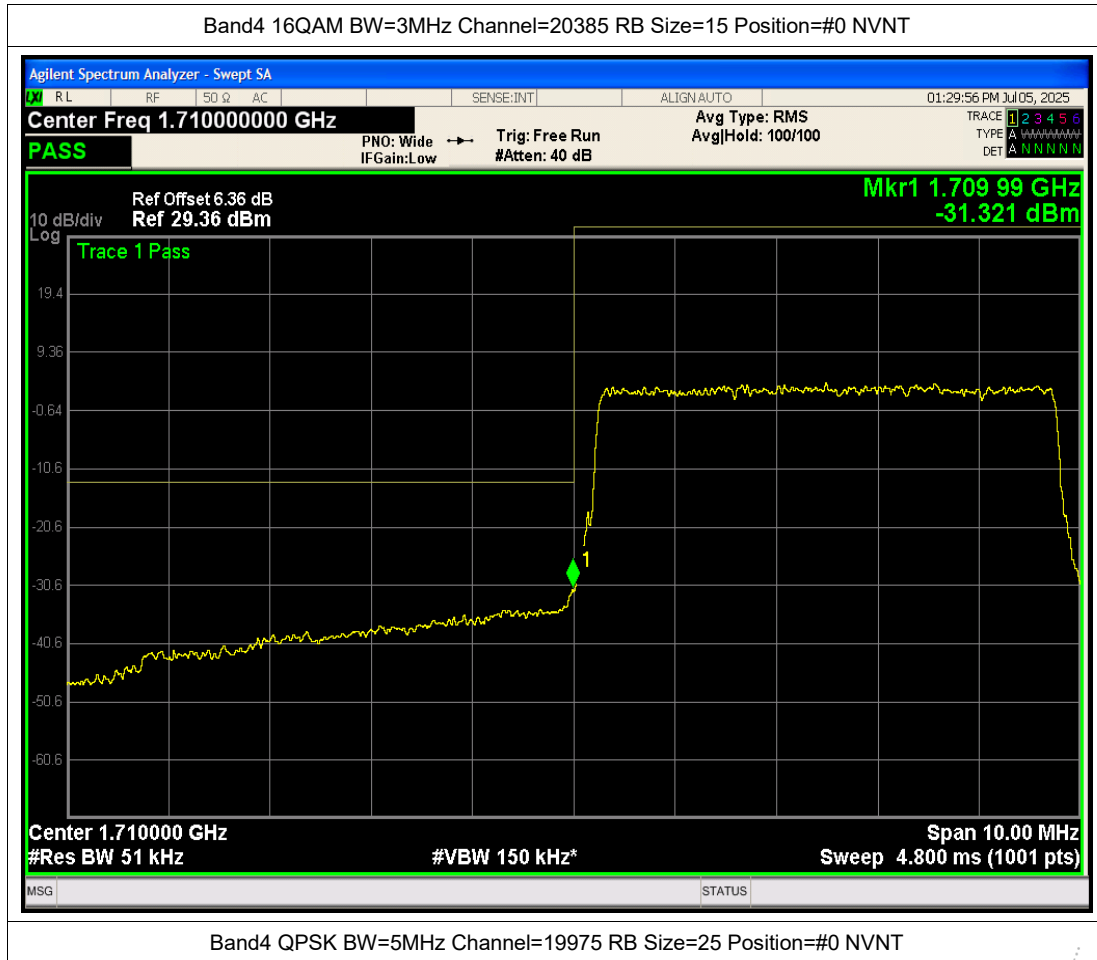






Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

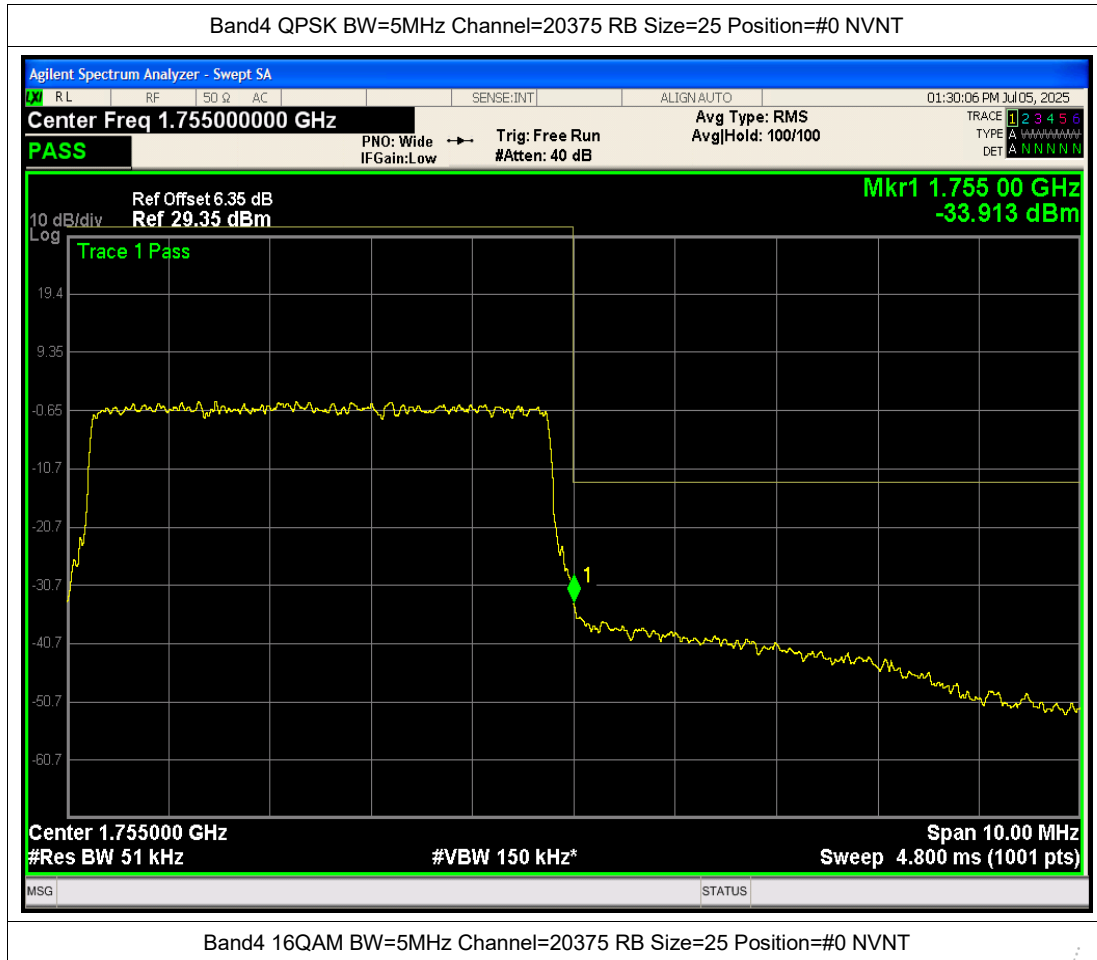


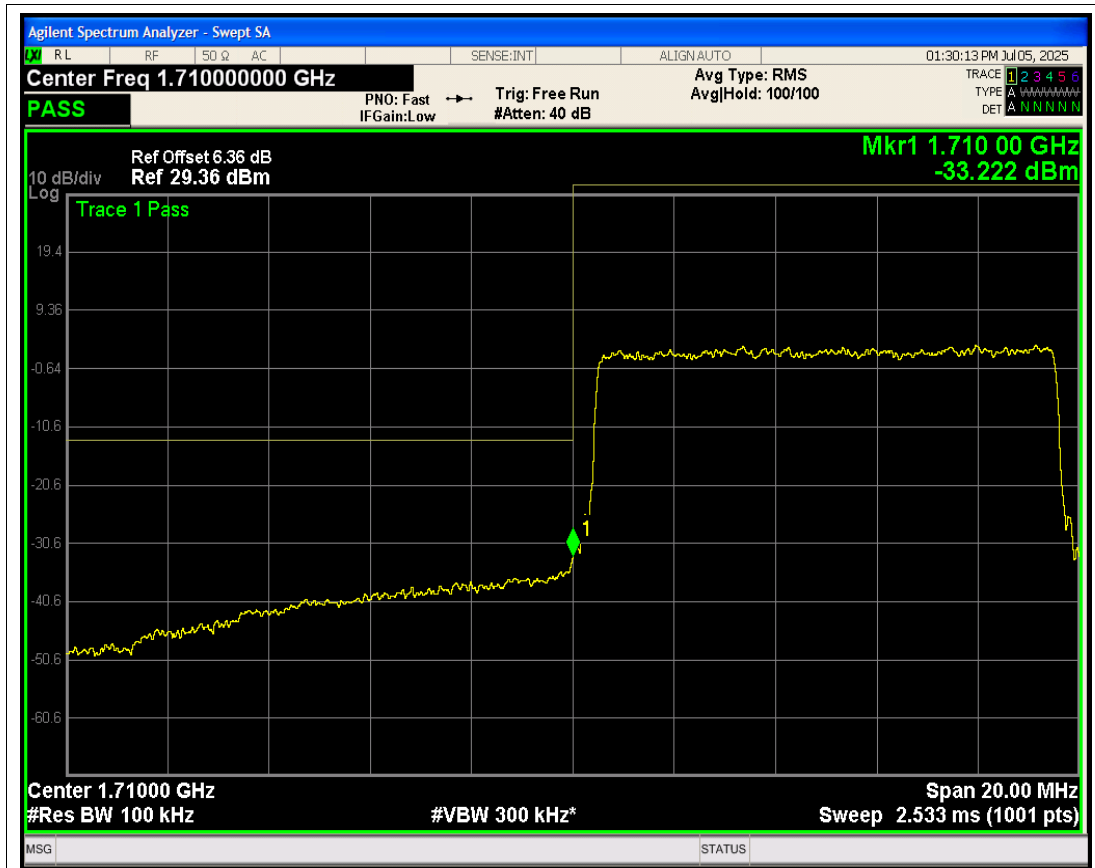




Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

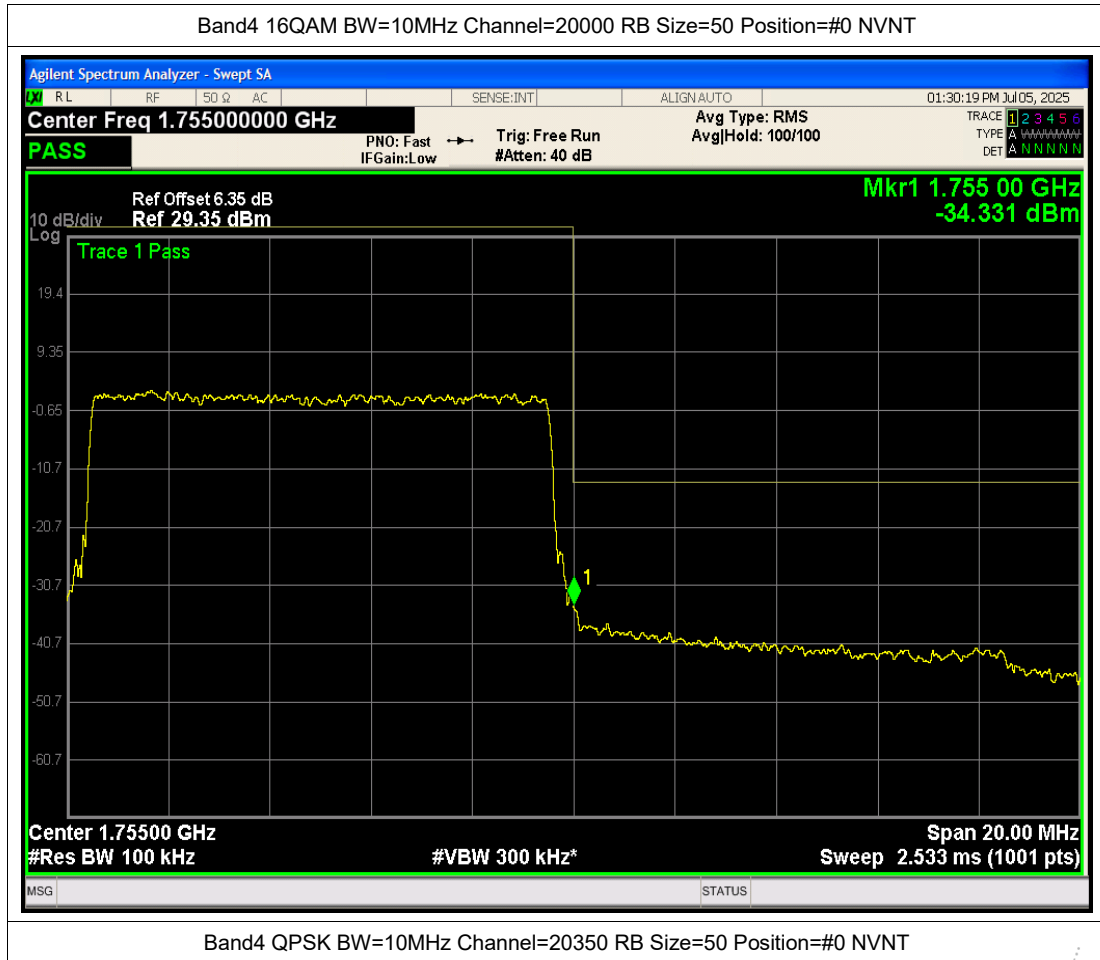






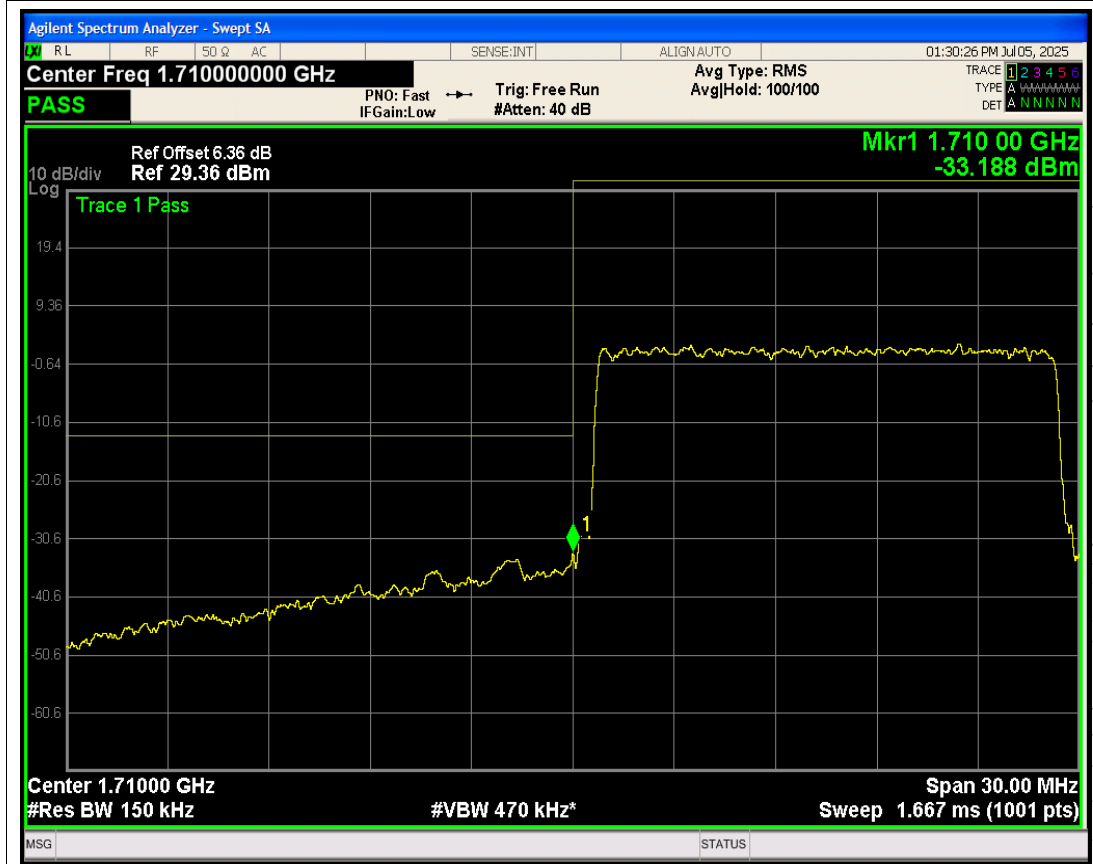
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

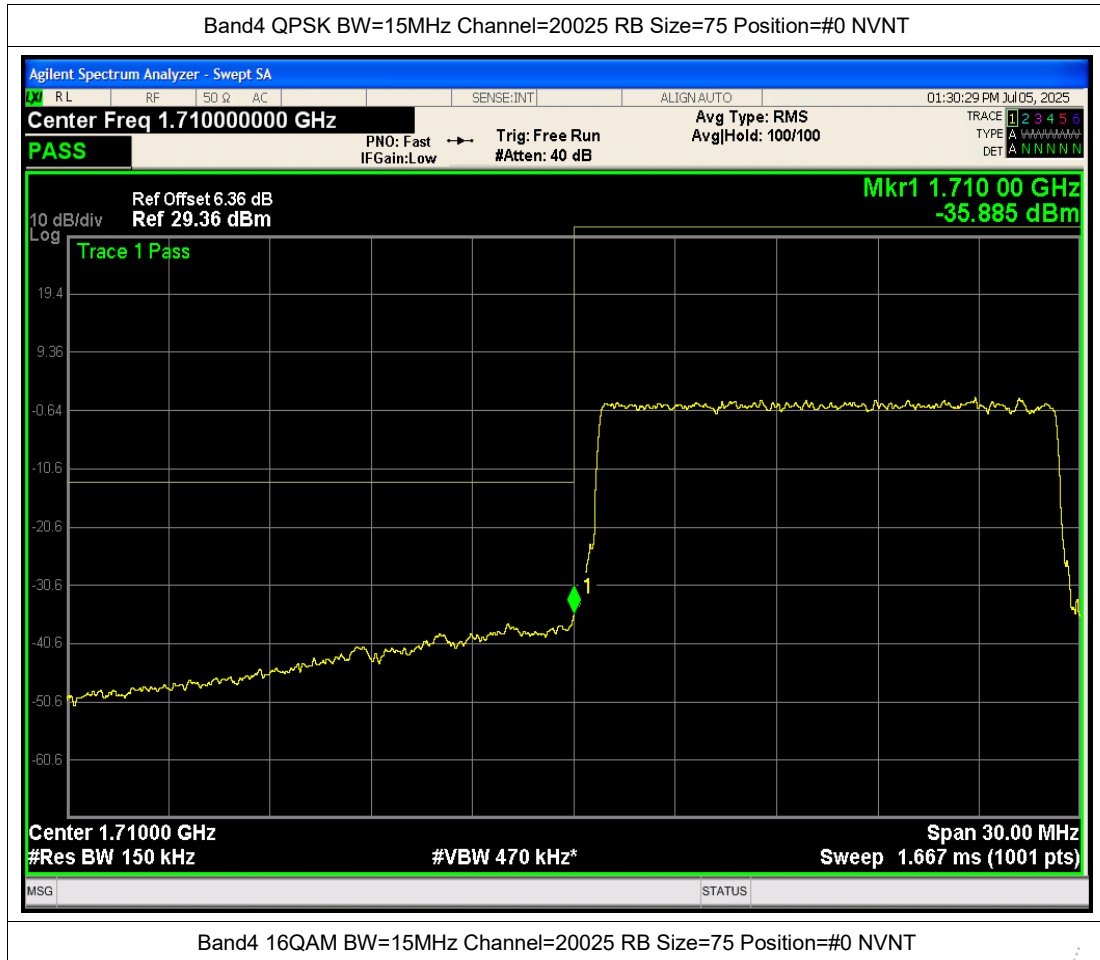






Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

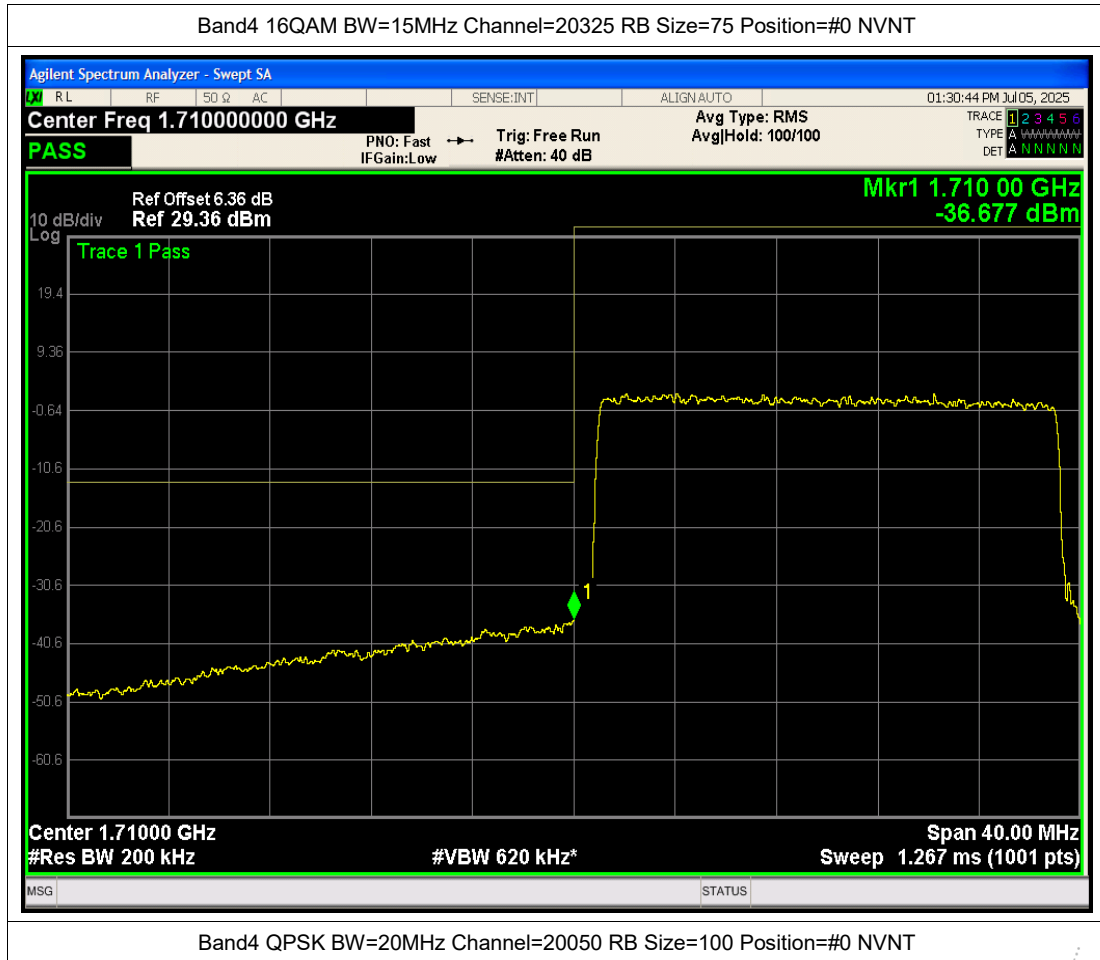


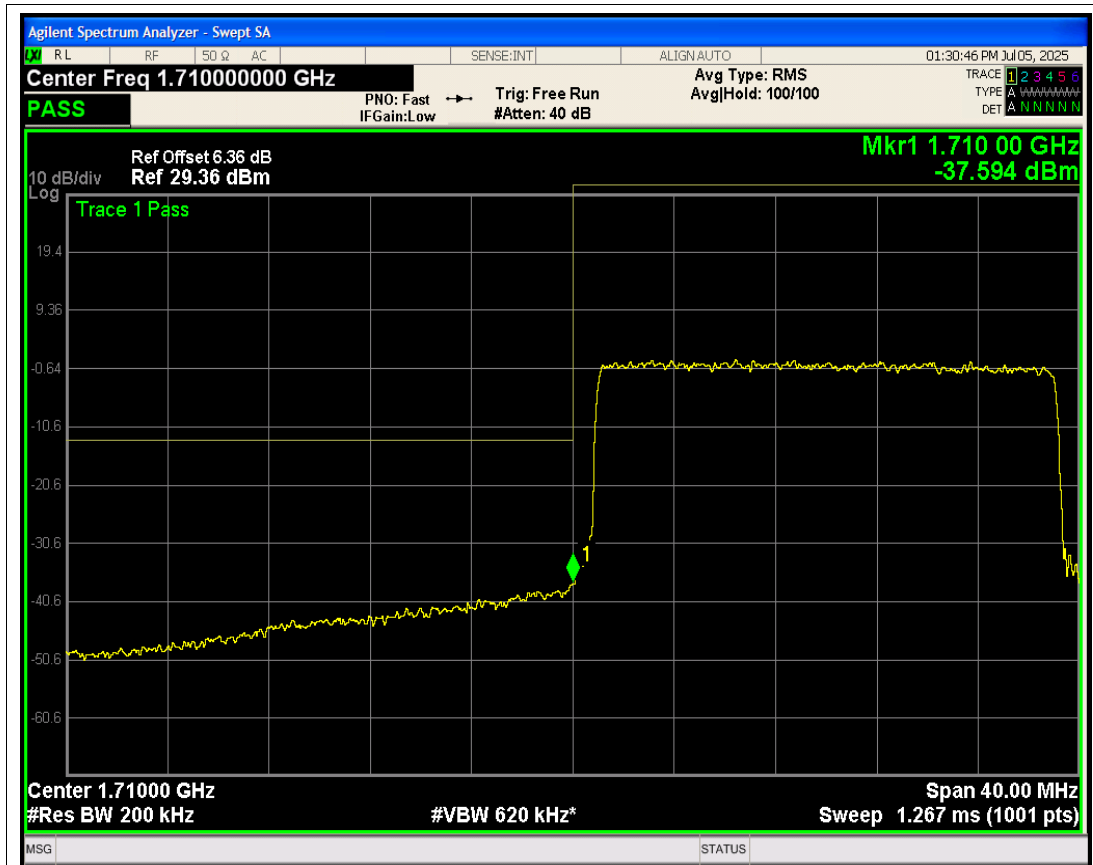




Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

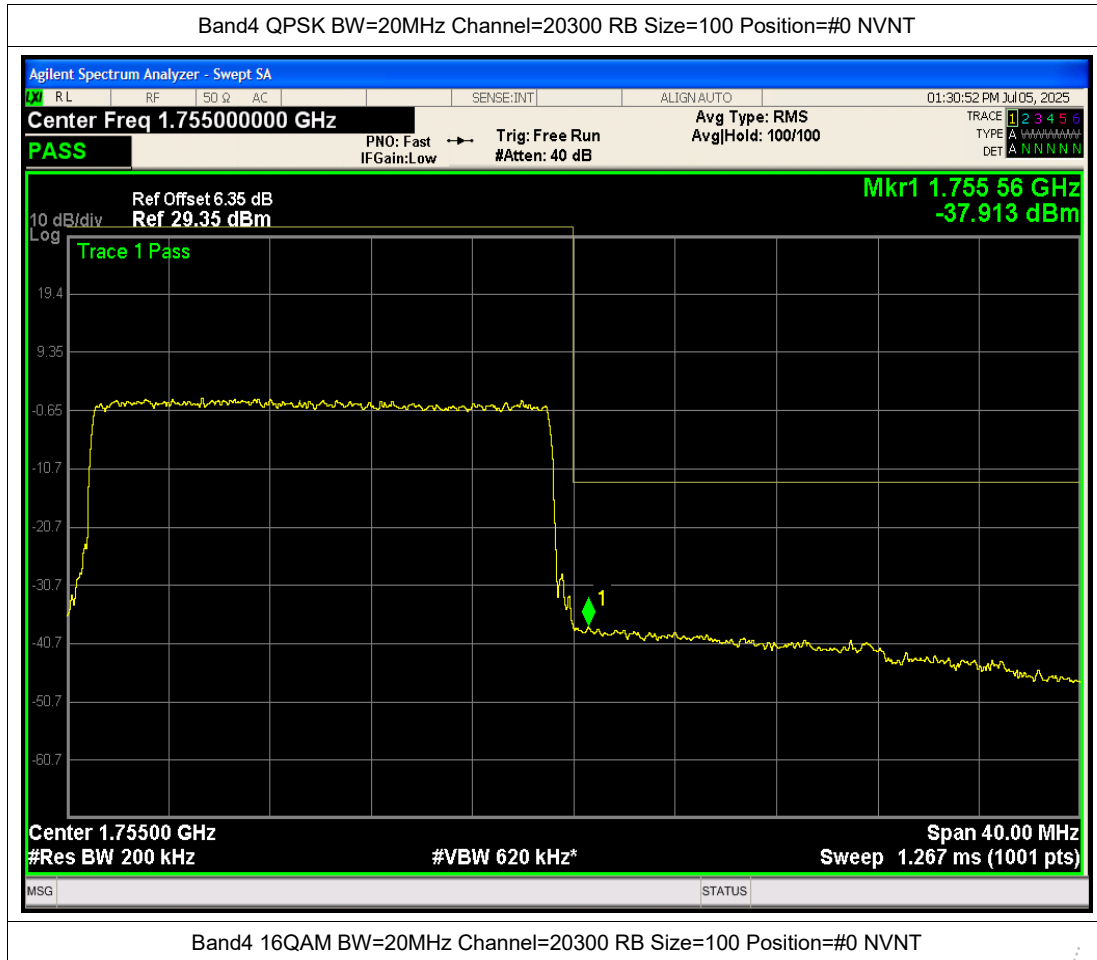






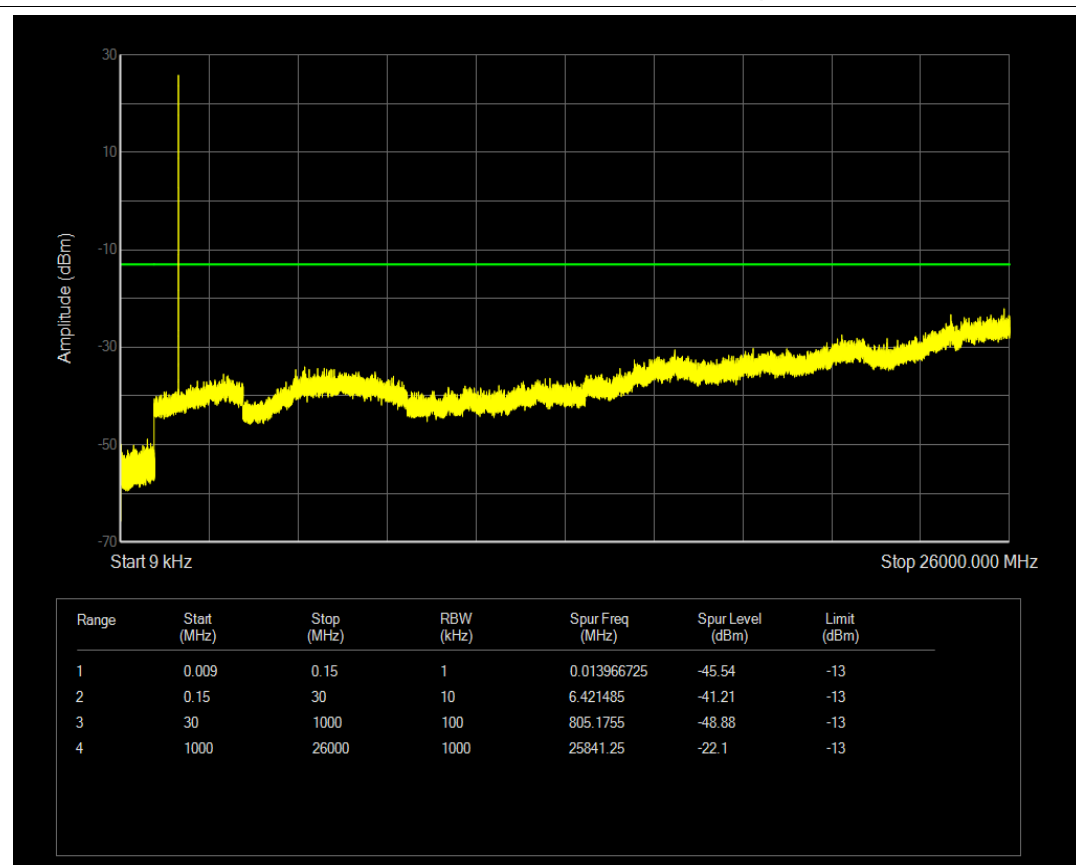
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



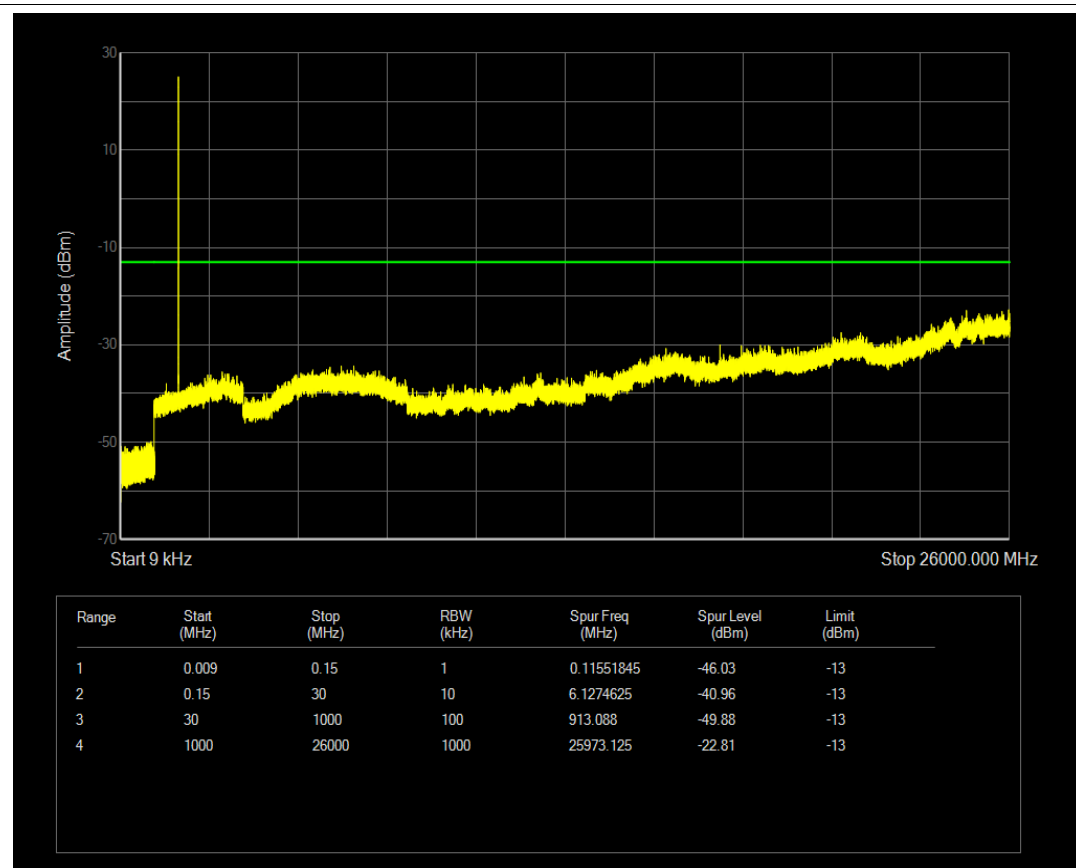


Appendix 6.Out-of-band emissions

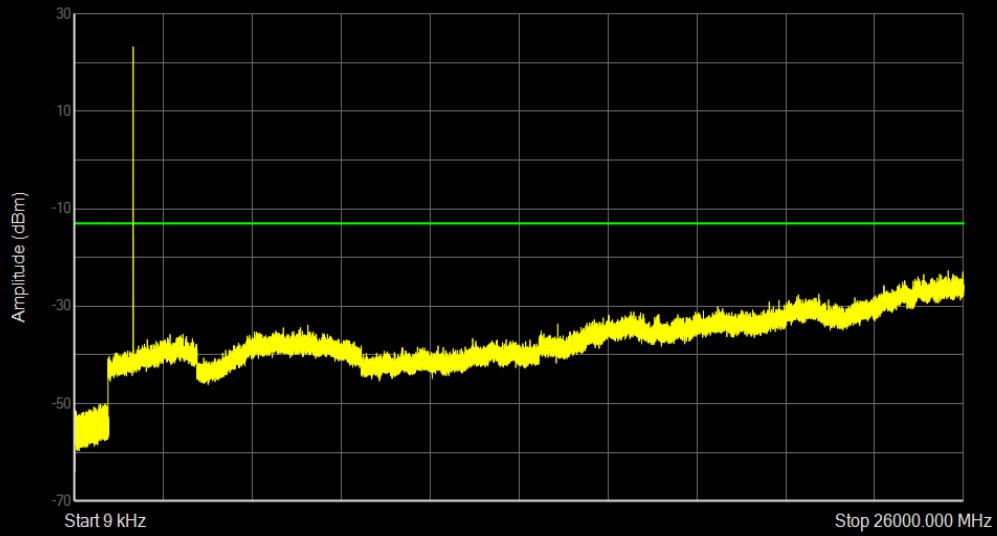
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25841.25	-22.10	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25973.13	-22.81	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25548.75	-22.72	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25931.88	-22.73	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25832.50	-23.06	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25654.38	-22.48	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25697.50	-23.19	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25892.50	-23.04	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25880.00	-22.73	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25830.63	-23.21	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25306.25	-22.74	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25655.63	-23.08	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25045.63	-22.92	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25820.63	-23.27	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25976.88	-22.74	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25760.63	-22.95	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25698.75	-22.85	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	24732.50	-22.82	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25315.63	-22.82	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25803.75	-22.49	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25772.50	-23.18	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25122.50	-22.37	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	24746.88	-23.56	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25647.50	-22.96	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	25031.88	-23.34	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25623.13	-22.85	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25547.50	-22.32	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25966.25	-22.98	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25640.63	-22.79	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25810.63	-22.74	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	24660.63	-23.21	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25675.63	-23.39	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25718.75	-23.43	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	24668.75	-22.68	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25075.63	-22.68	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	25105.63	-23.36	-13	PASS



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

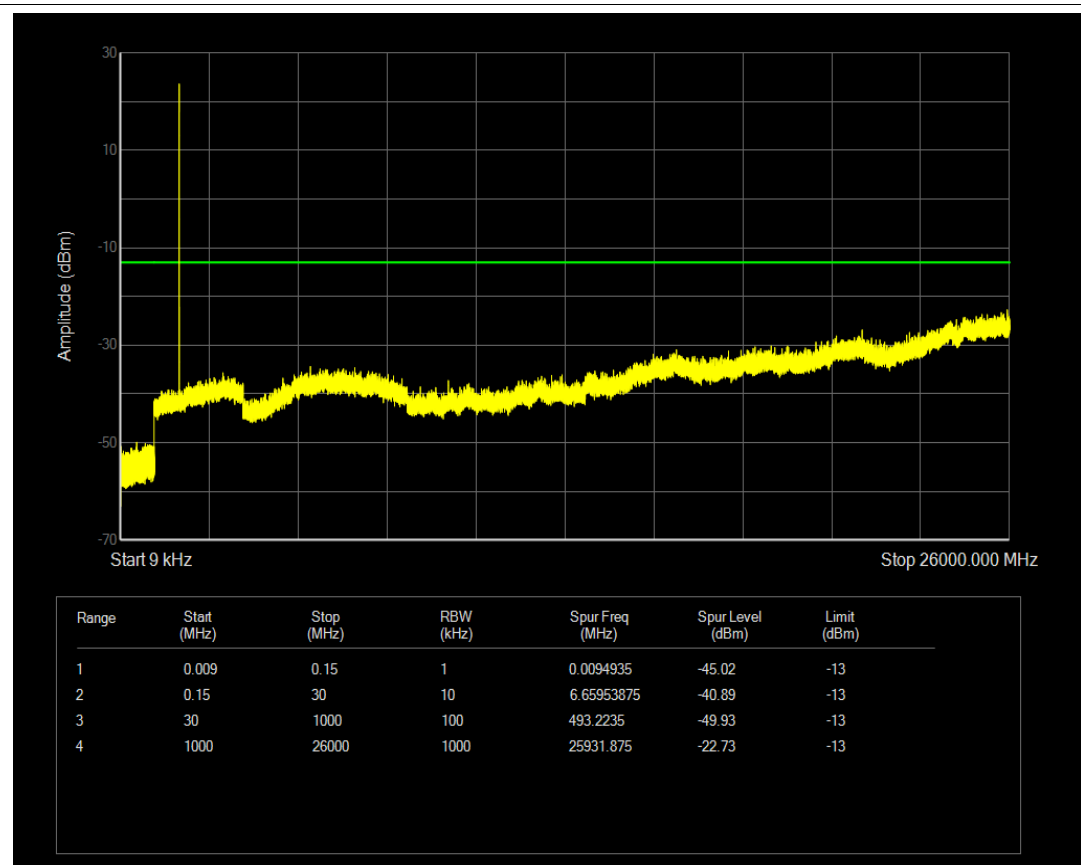


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

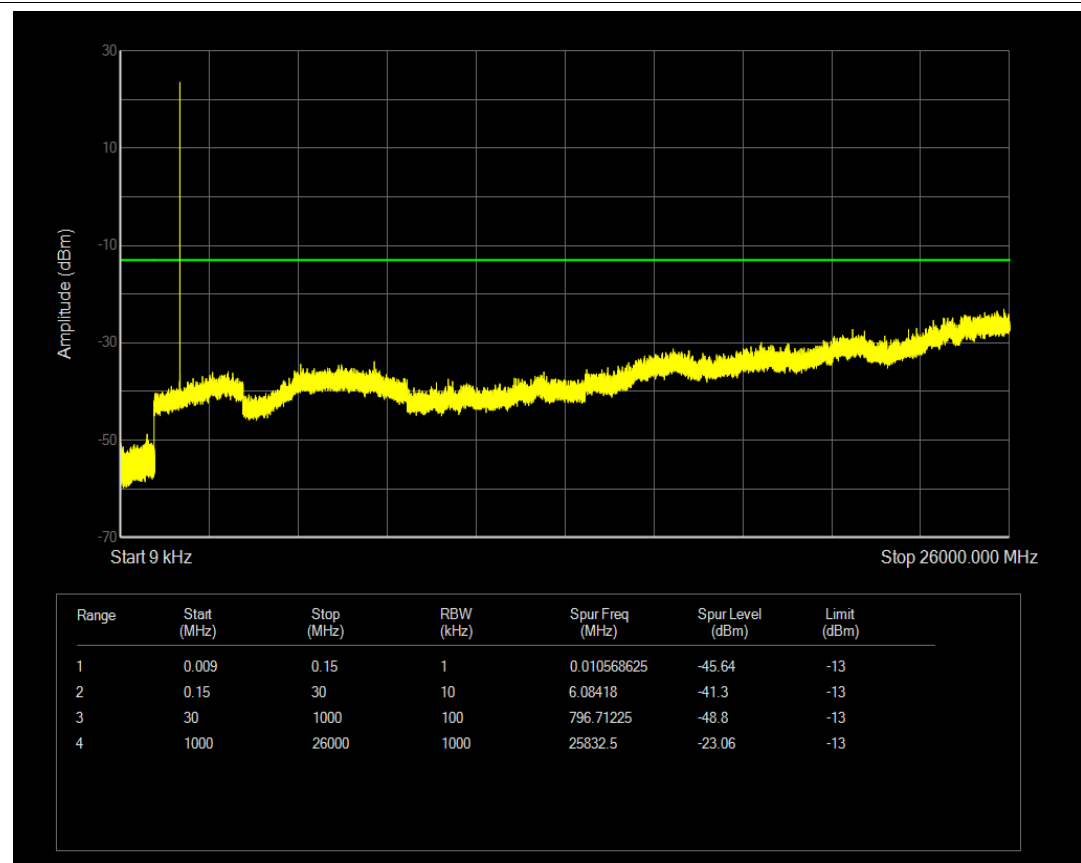


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01219365	-44.36	-13
2	0.15	30	10	6.13567125	-41	-13
3	30	1000	100	920.9935	-50.07	-13
4	1000	26000	1000	25548.75	-22.72	-13

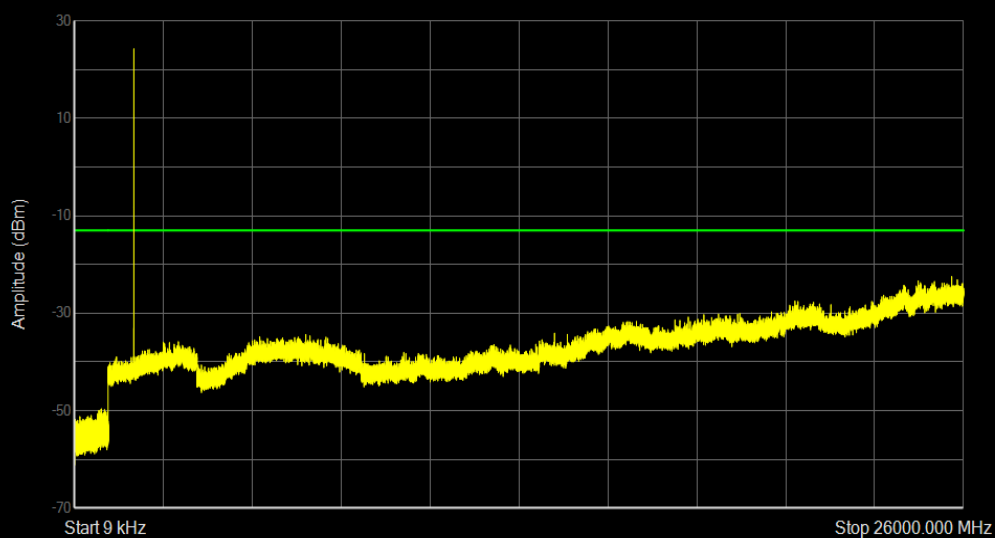
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



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

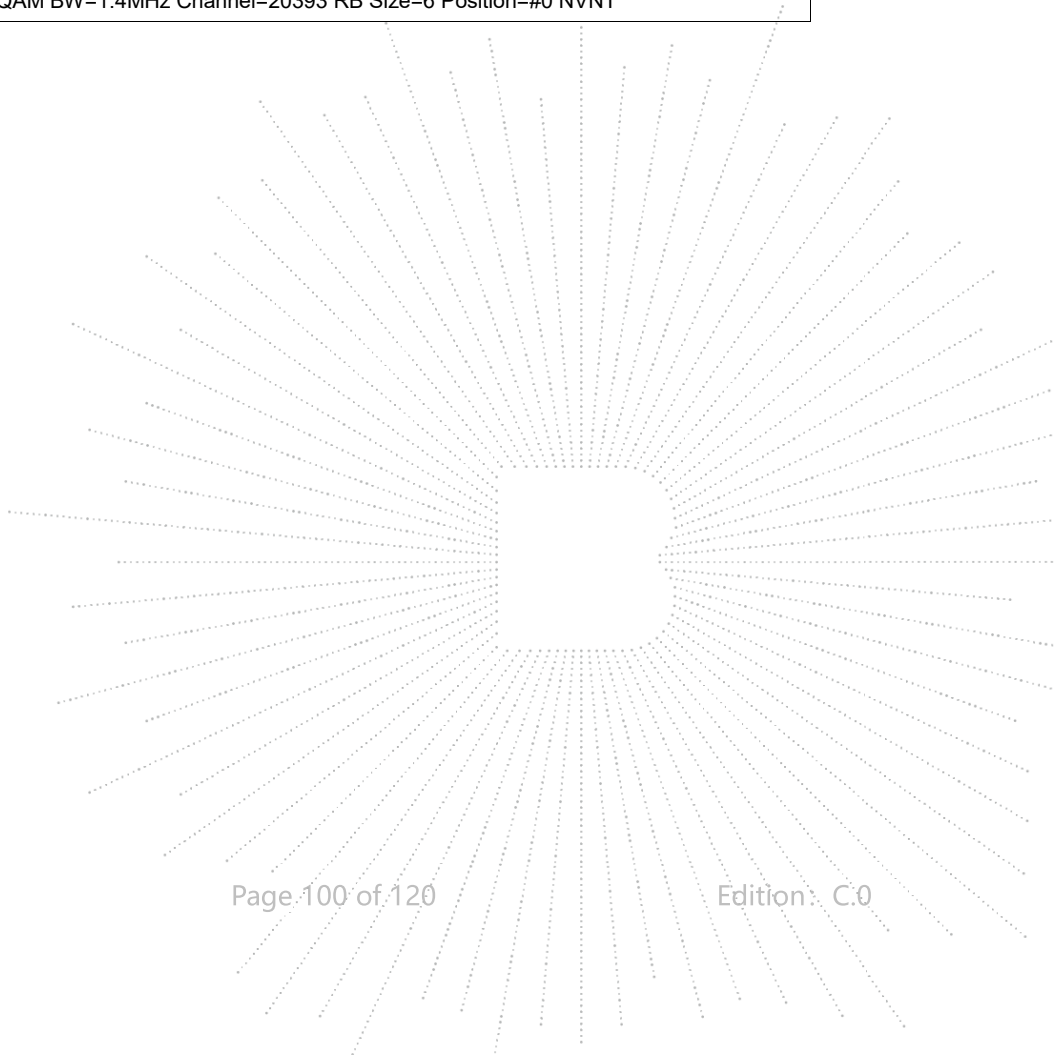


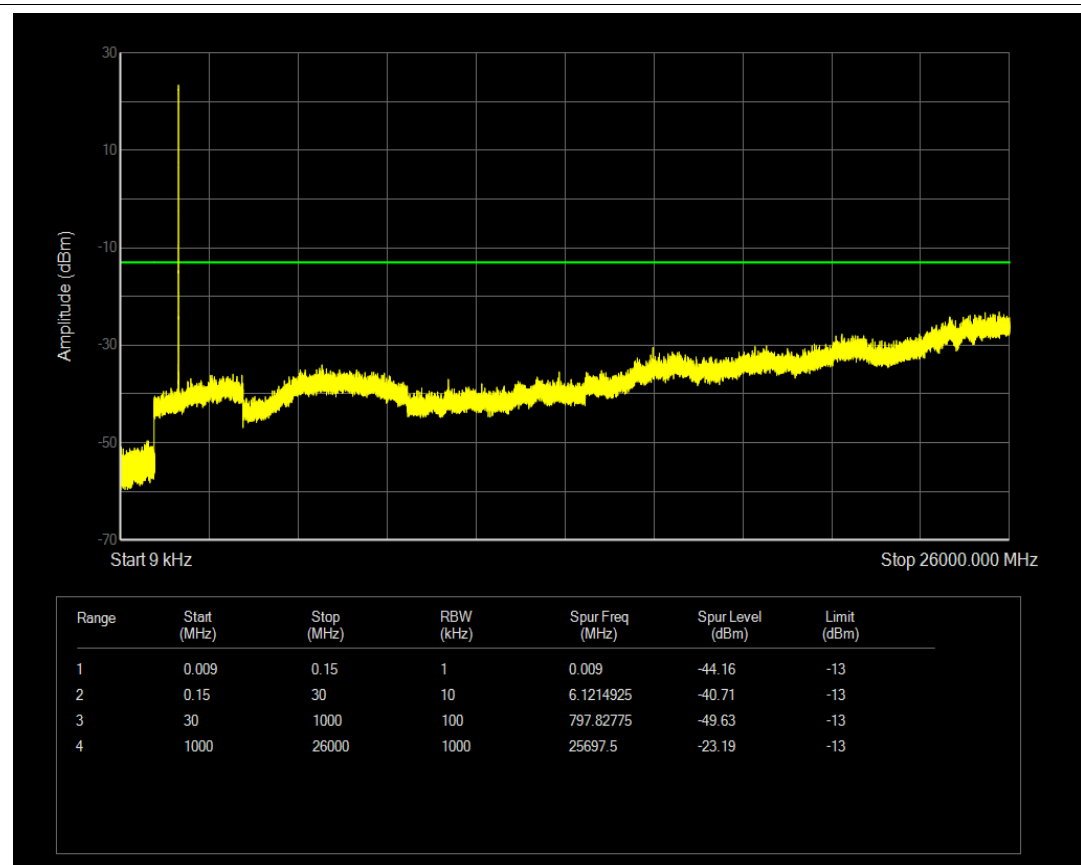
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



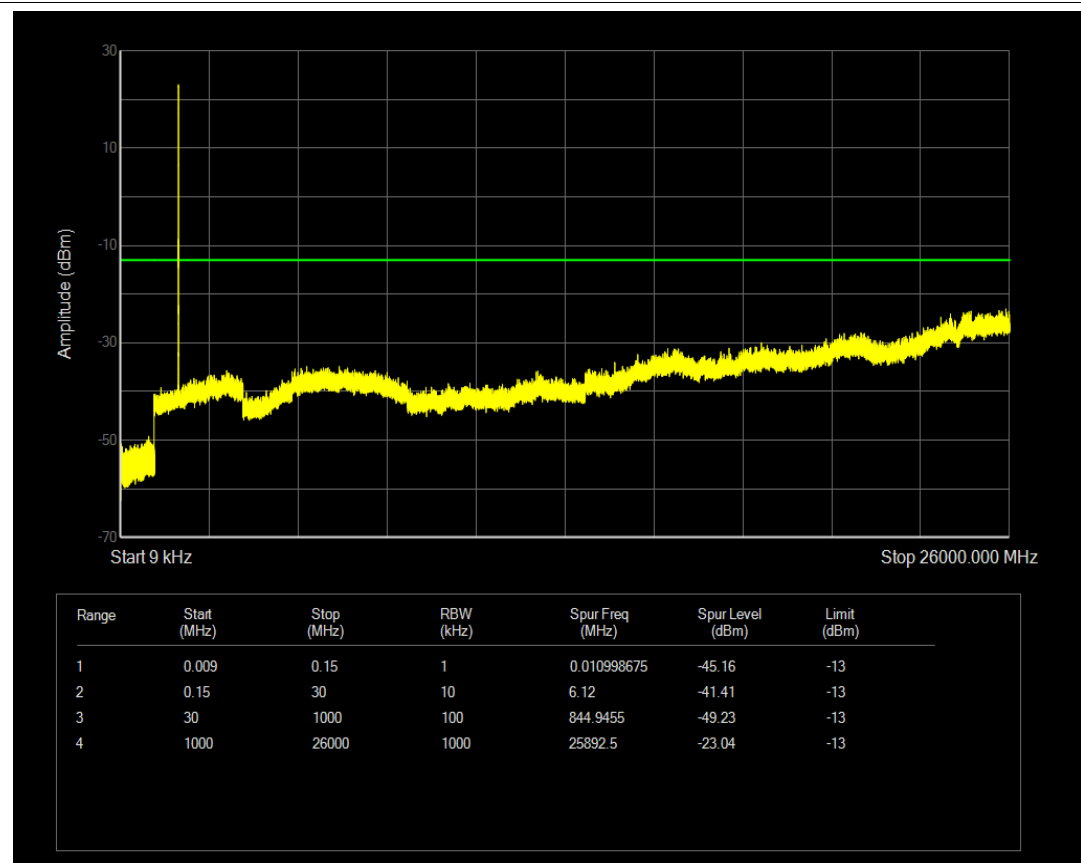
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009997575	-45.87	-13
2	0.15	30	10	6.08641875	-41.78	-13
3	30	1000	100	802.0715	-49.66	-13
4	1000	26000	1000	25654.375	-22.48	-13

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

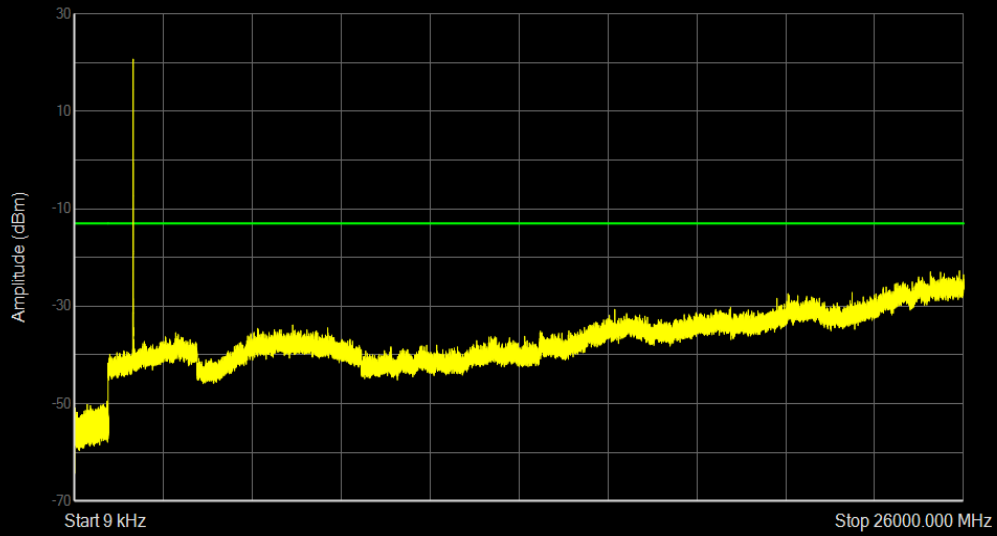




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

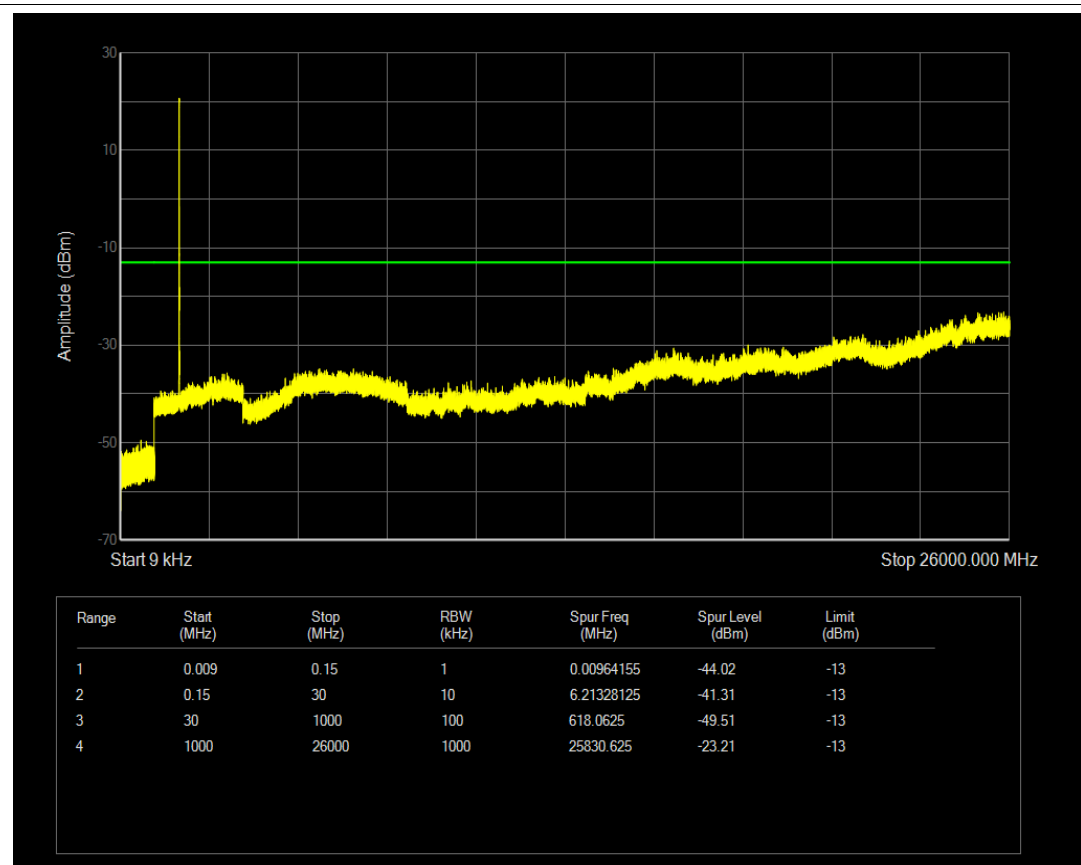


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

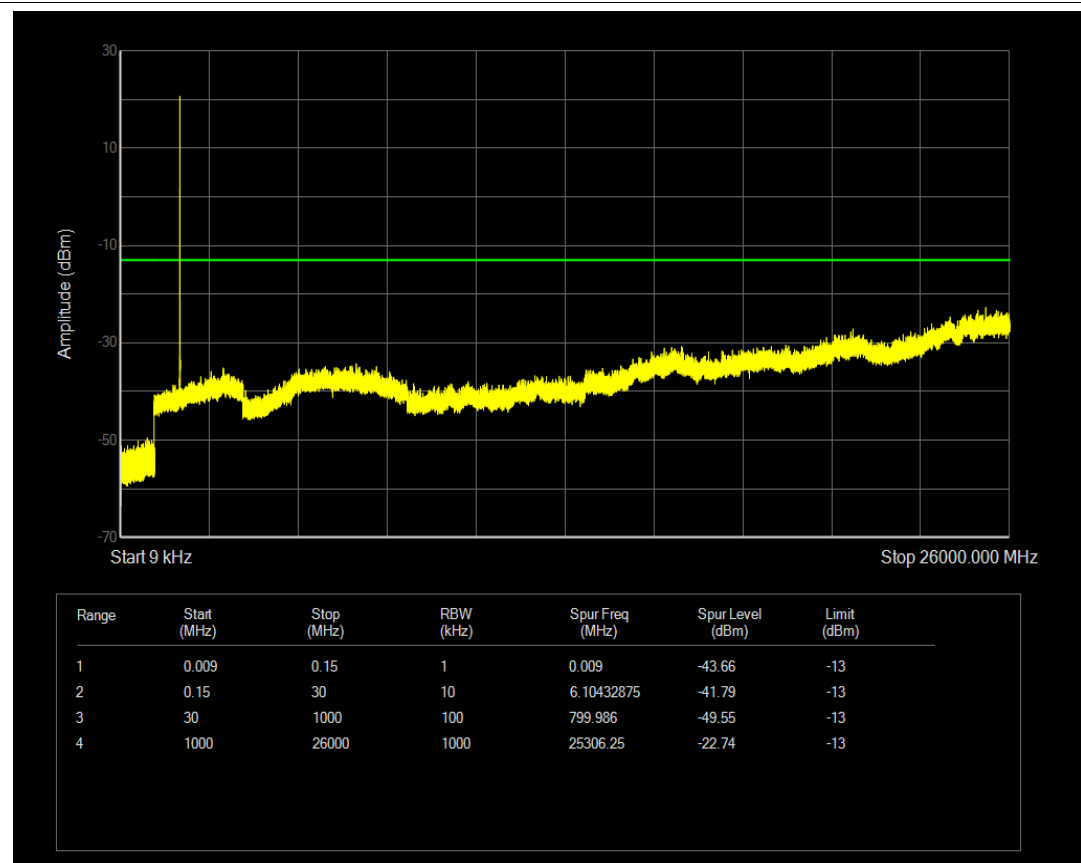


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1160613	-46.4	-13
2	0.15	30	10	6.09015	-41.6	-13
3	30	1000	100	969.4935	-49.52	-13
4	1000	26000	1000	25880	-22.73	-13

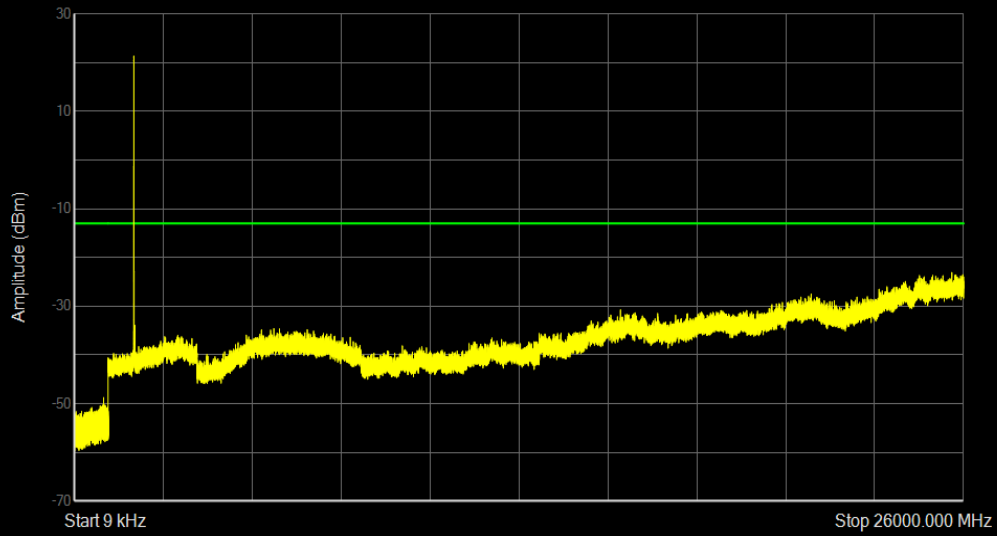
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



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

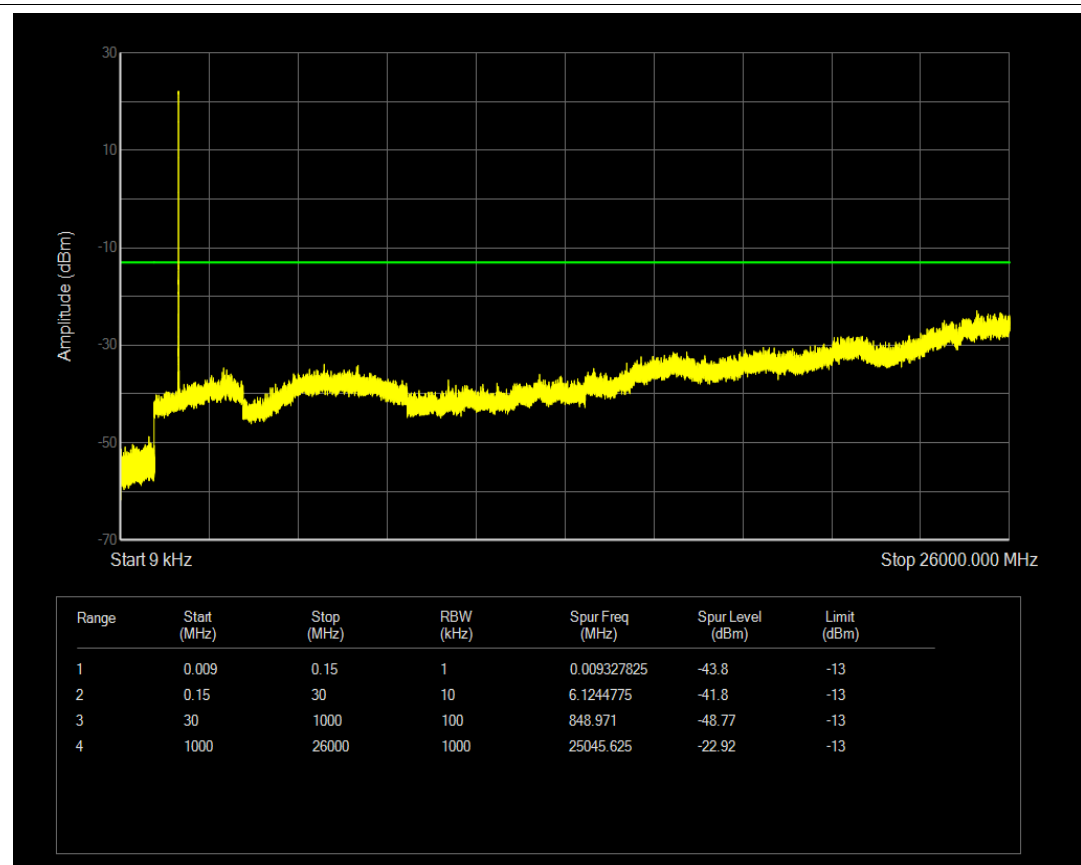


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

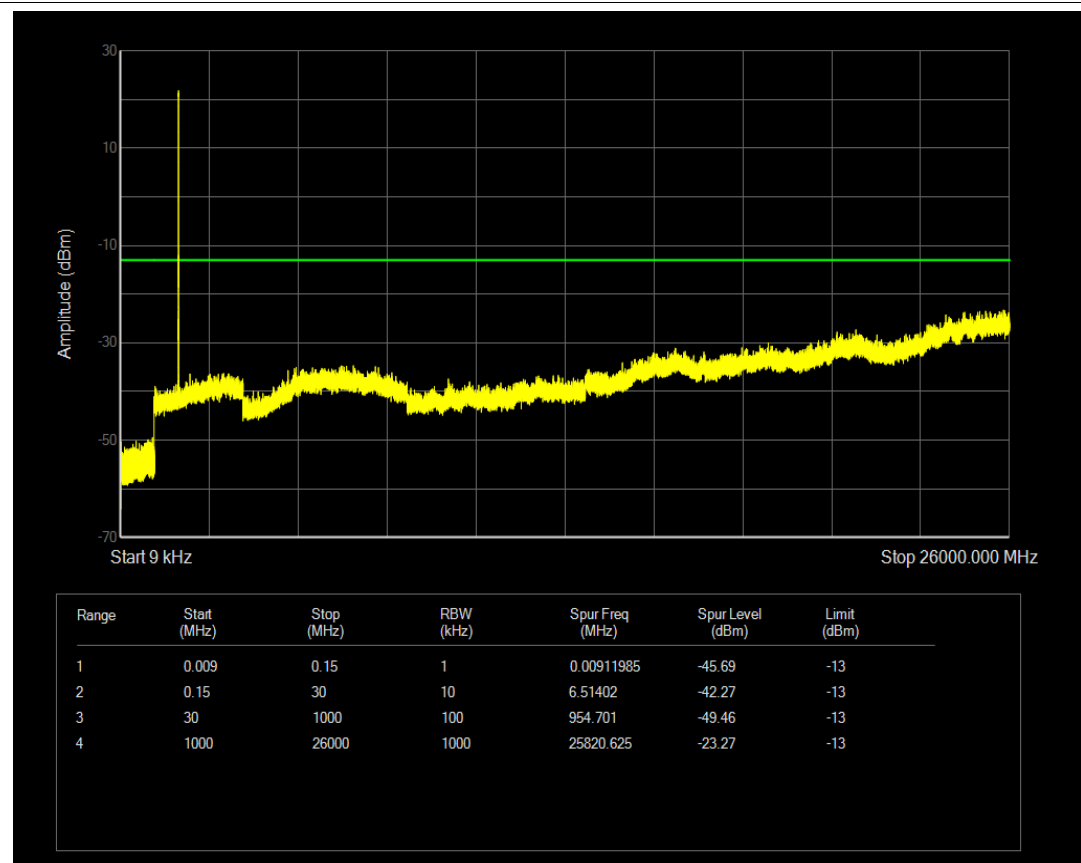


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11526465	-46.2	-13
2	0.15	30	10	6.09089625	-41.98	-13
3	30	1000	100	871.572	-48.75	-13
4	1000	26000	1000	25655.625	-23.08	-13

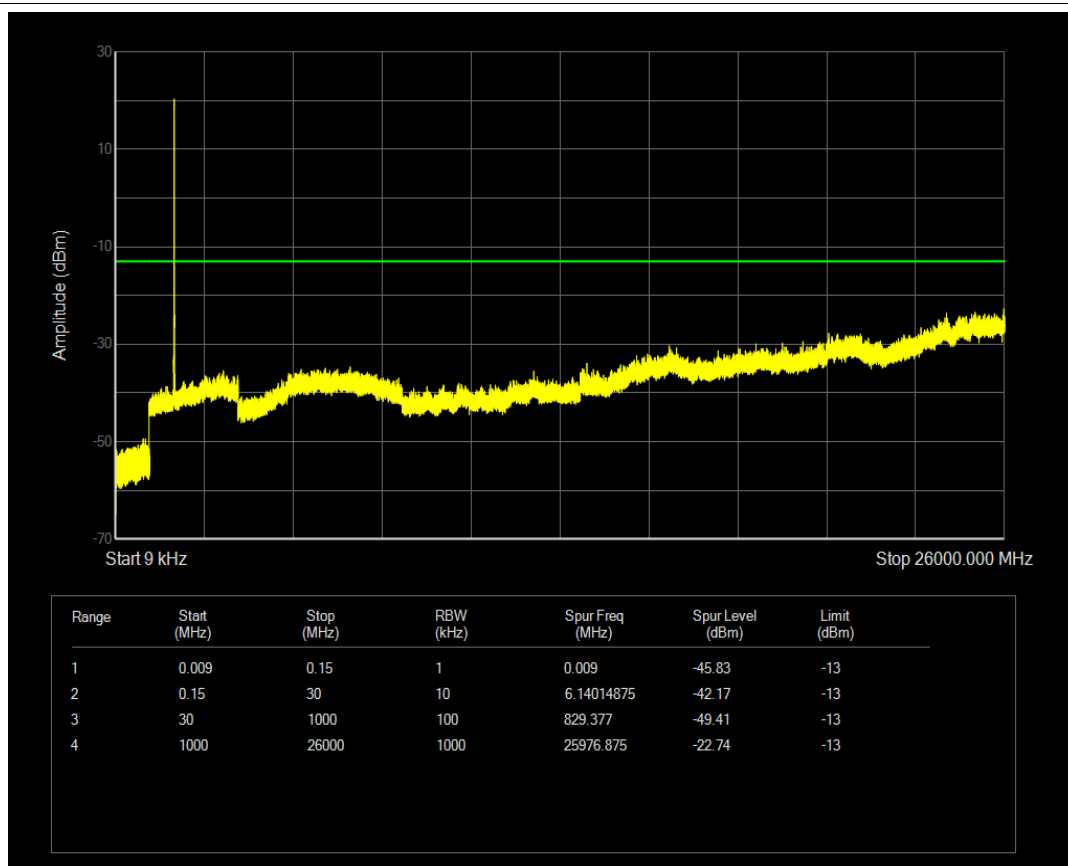
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



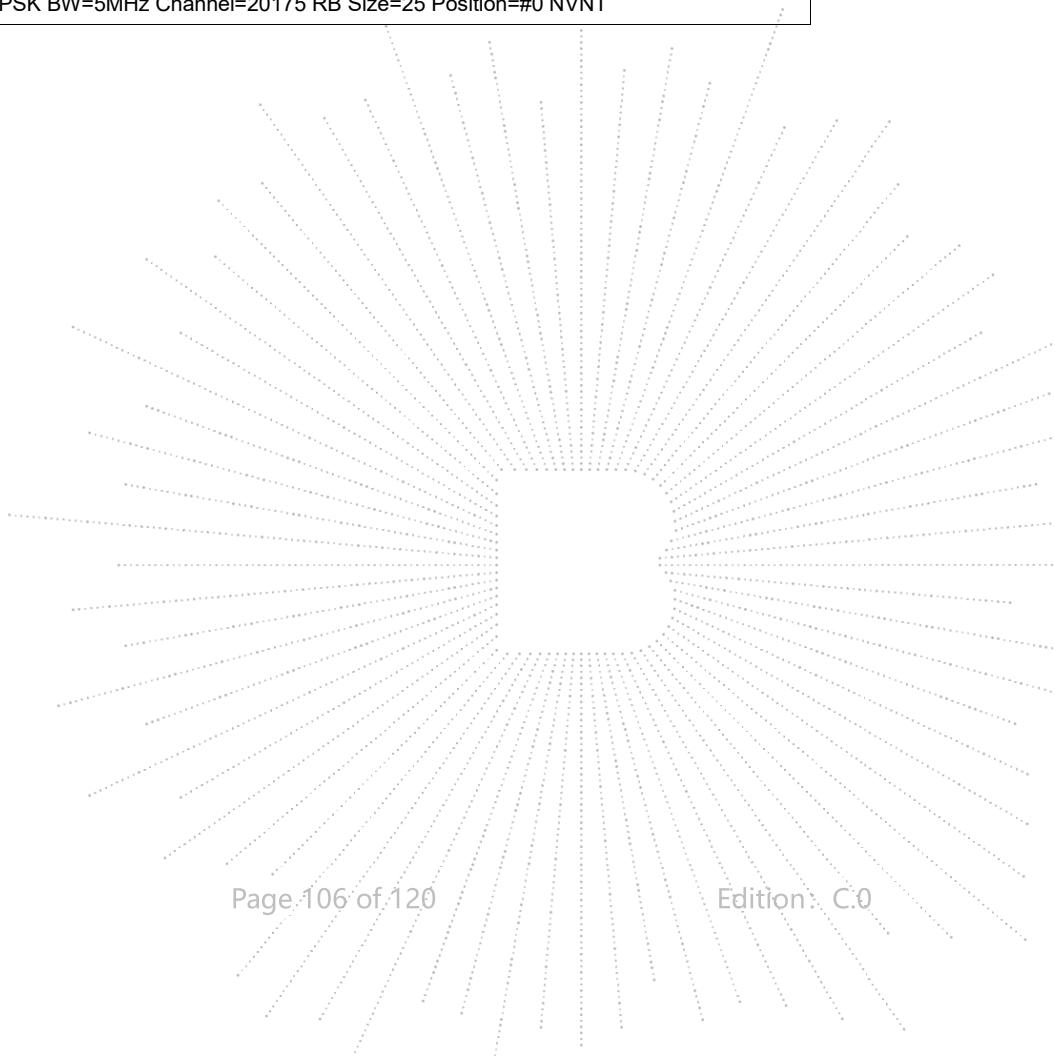
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

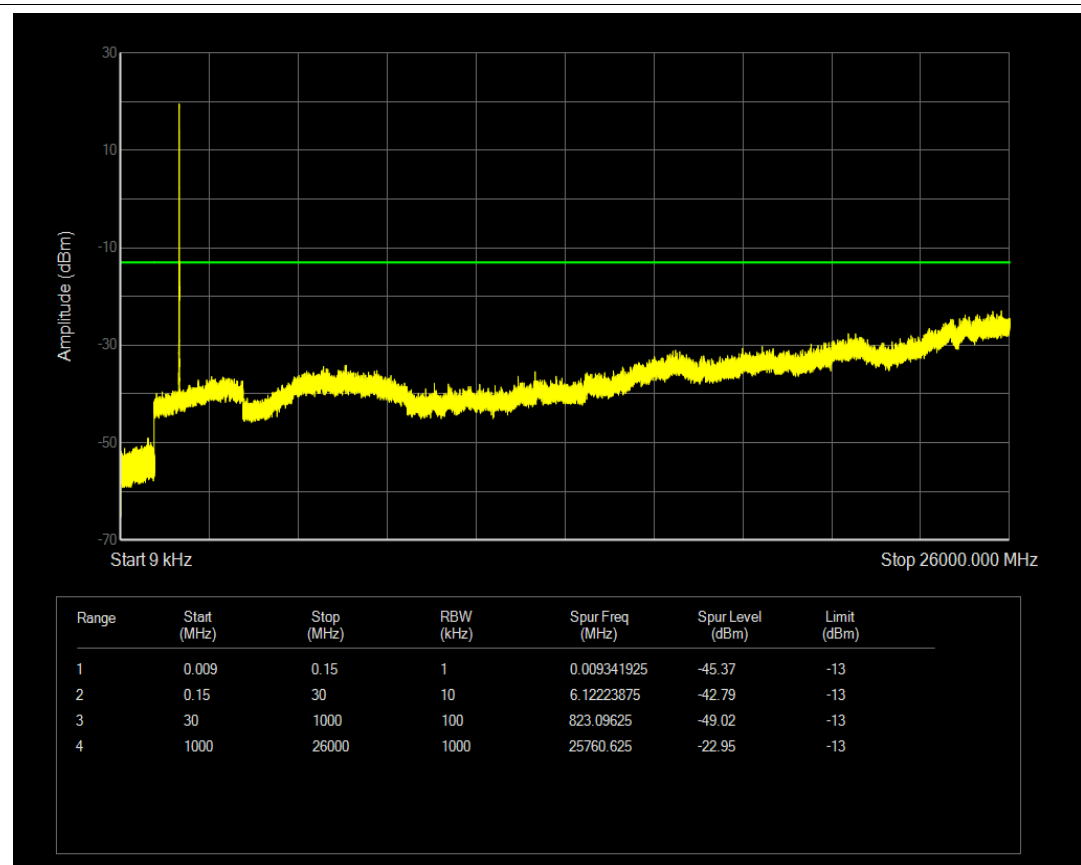


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

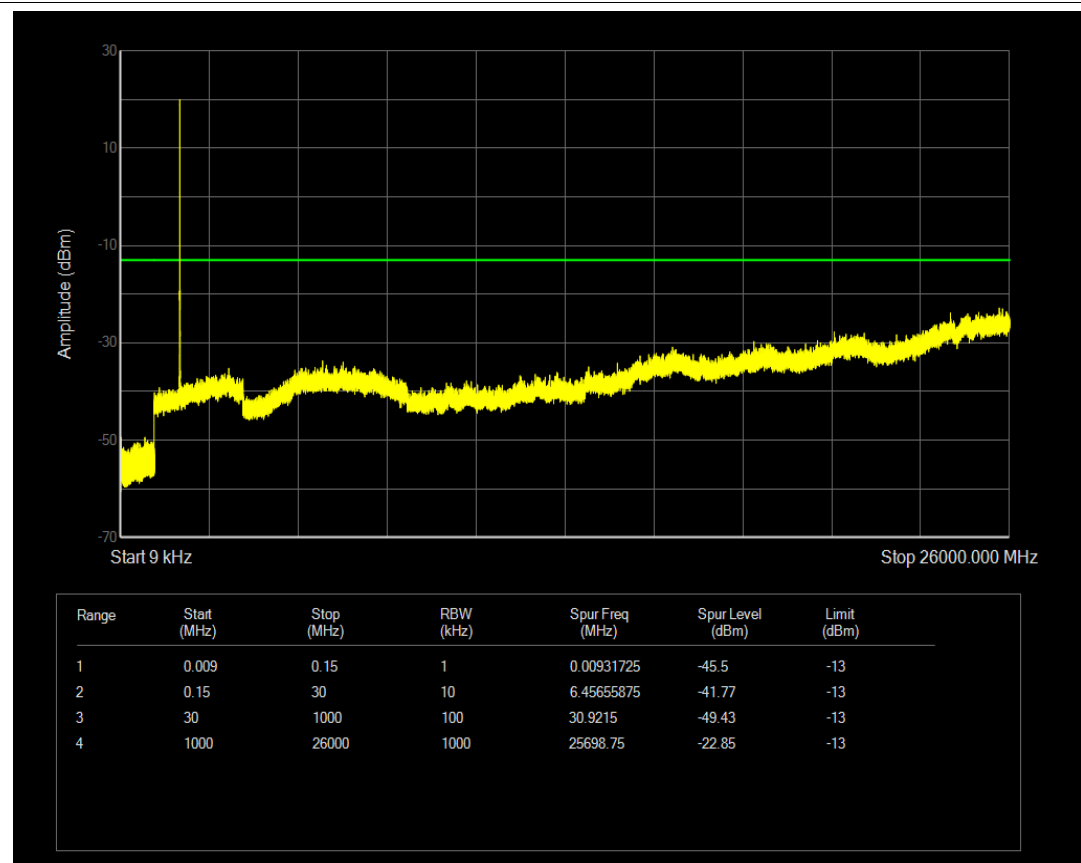


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

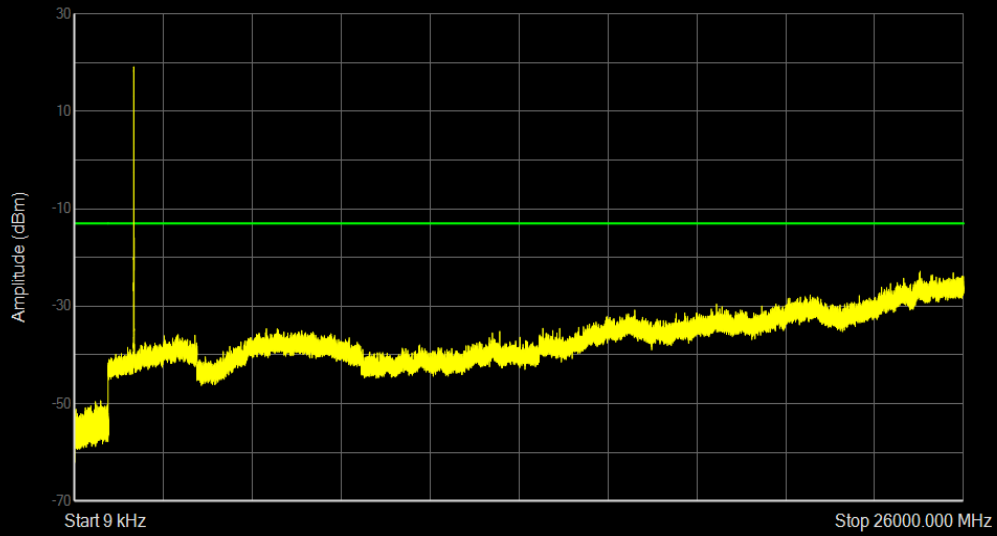




Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

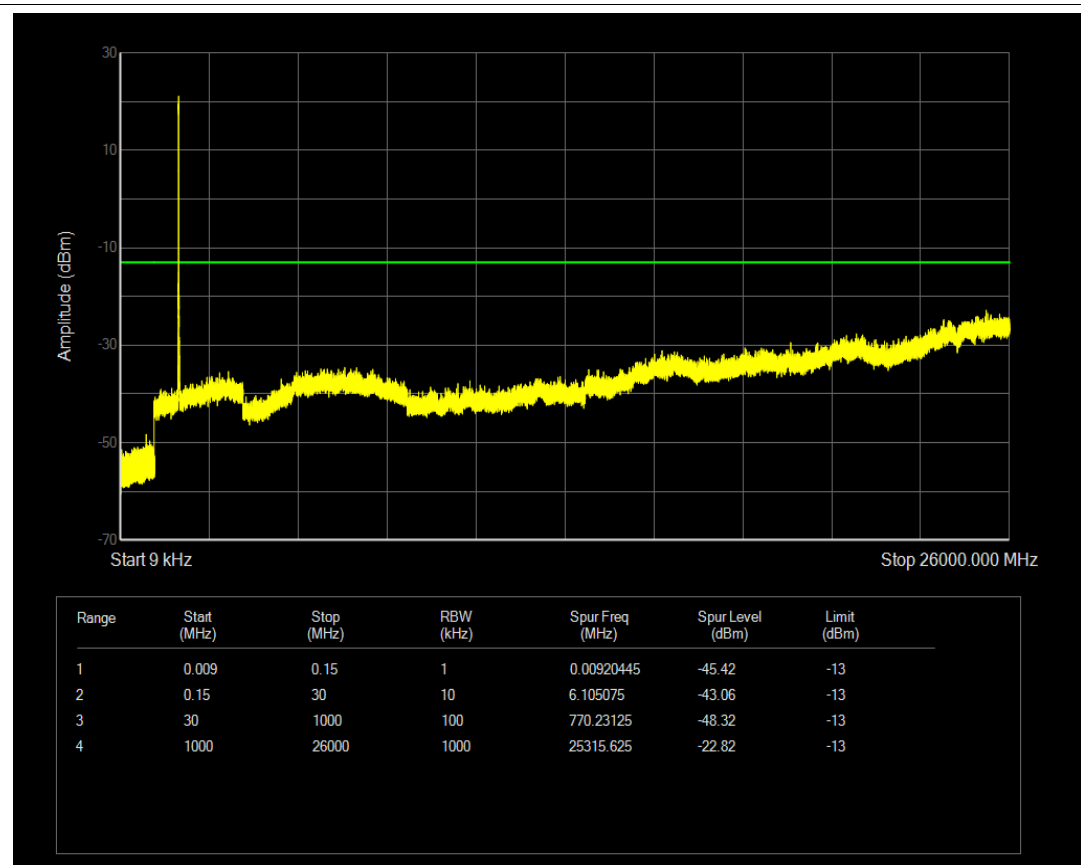


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

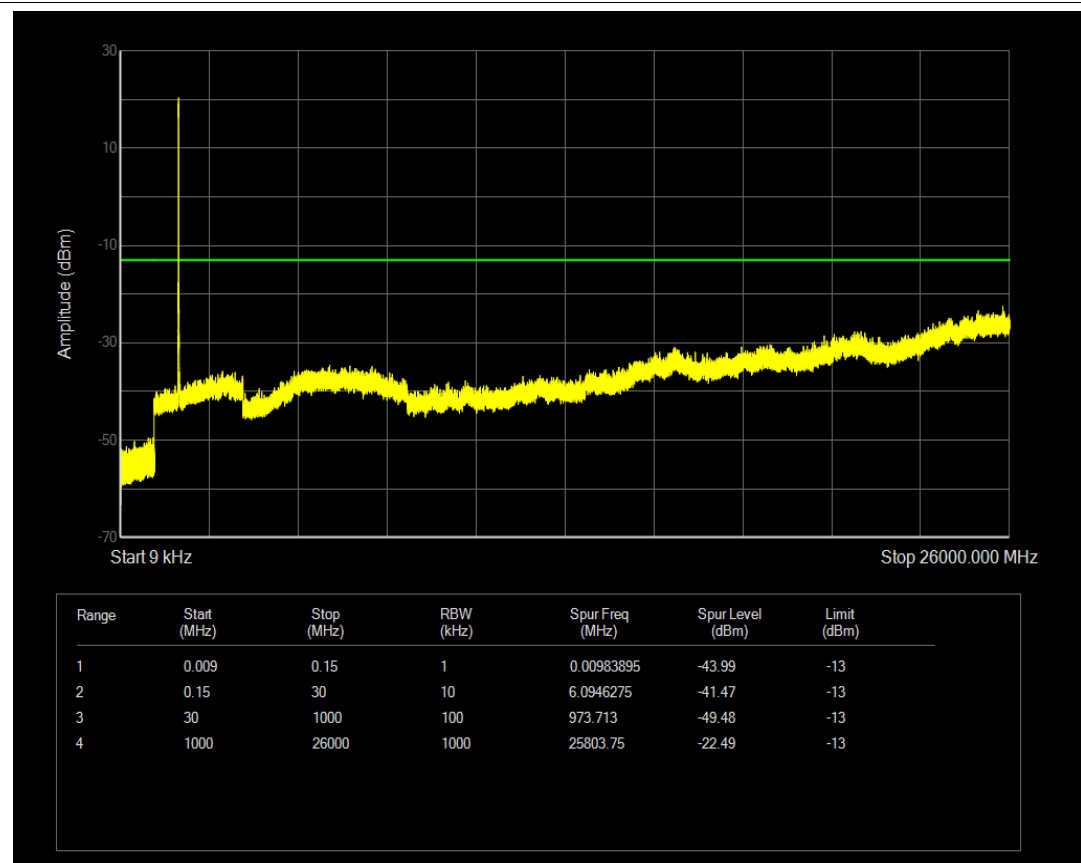


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099165	-45.84	-13
2	0.15	30	10	6.117015	-42.52	-13
3	30	1000	100	784.563	-49.42	-13
4	1000	26000	1000	24732.5	-22.82	-13

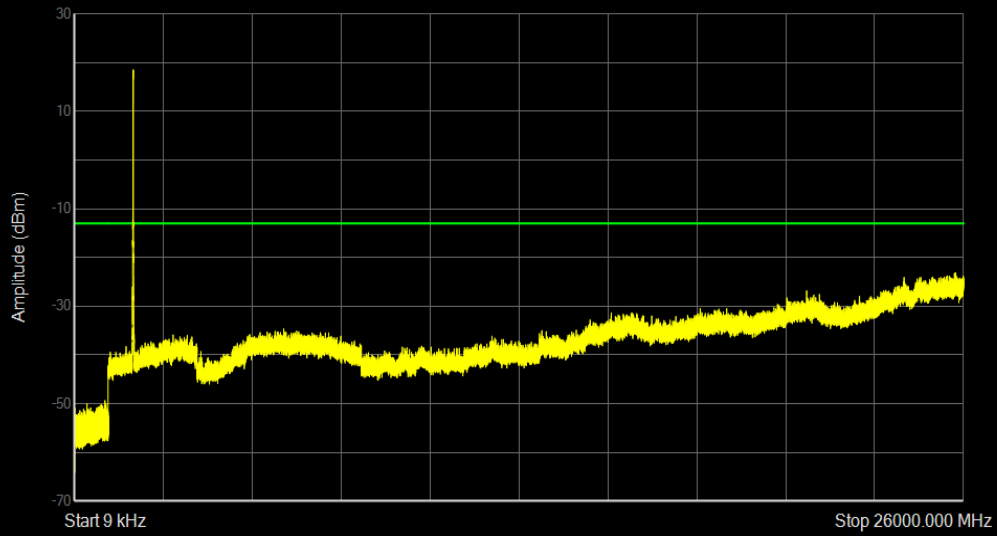
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



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

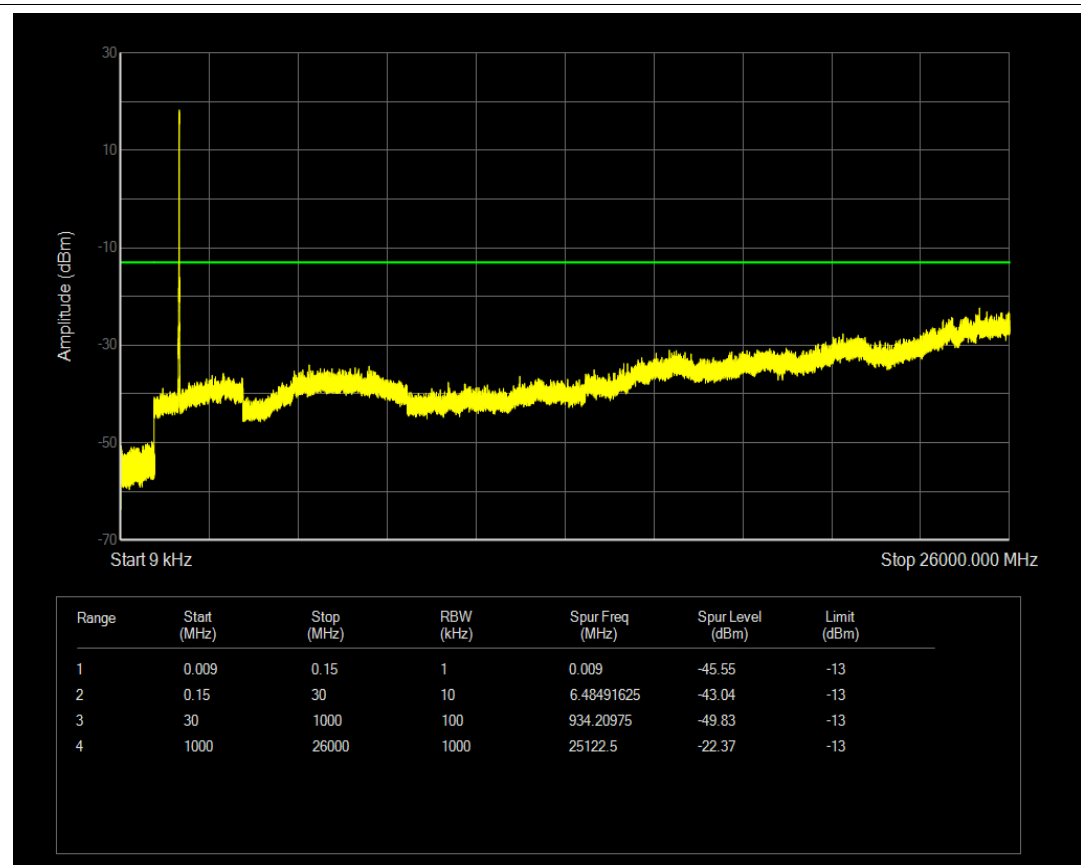


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

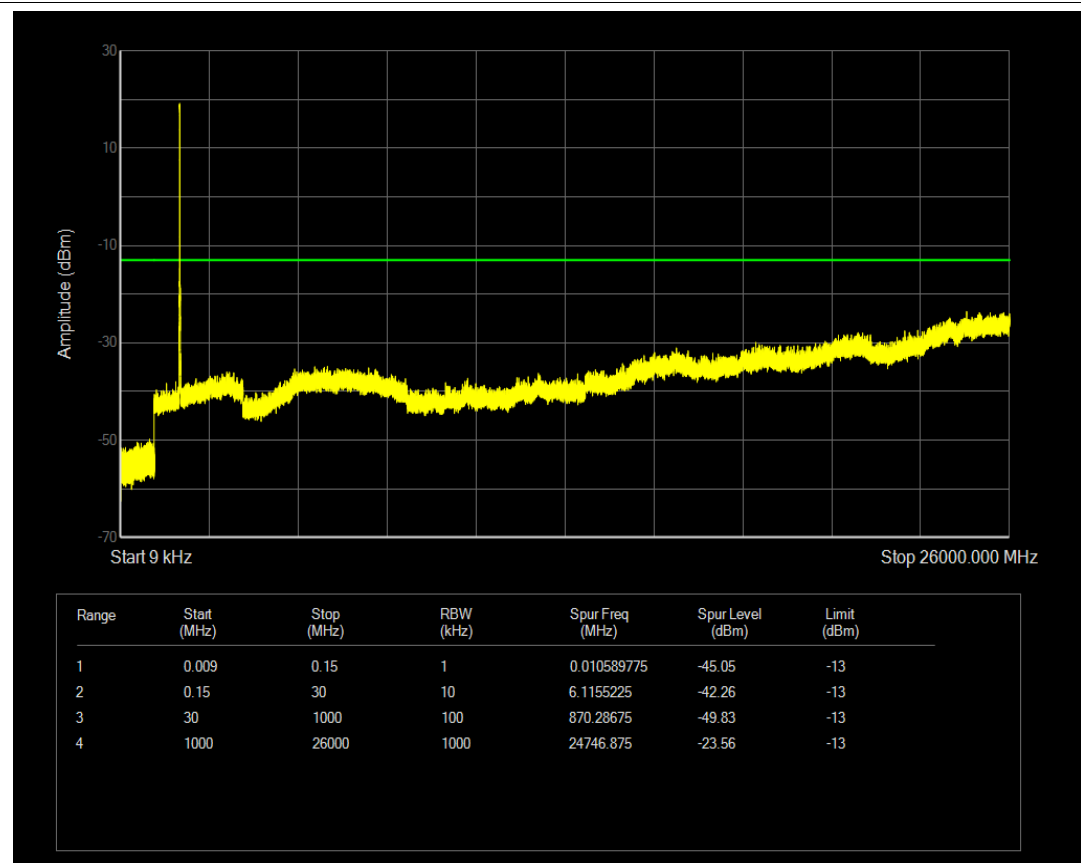


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-46.24	-13
2	0.15	30	10	6.1155225	-43.16	-13
3	30	1000	100	909.76575	-49.39	-13
4	1000	26000	1000	25772.5	-23.18	-13

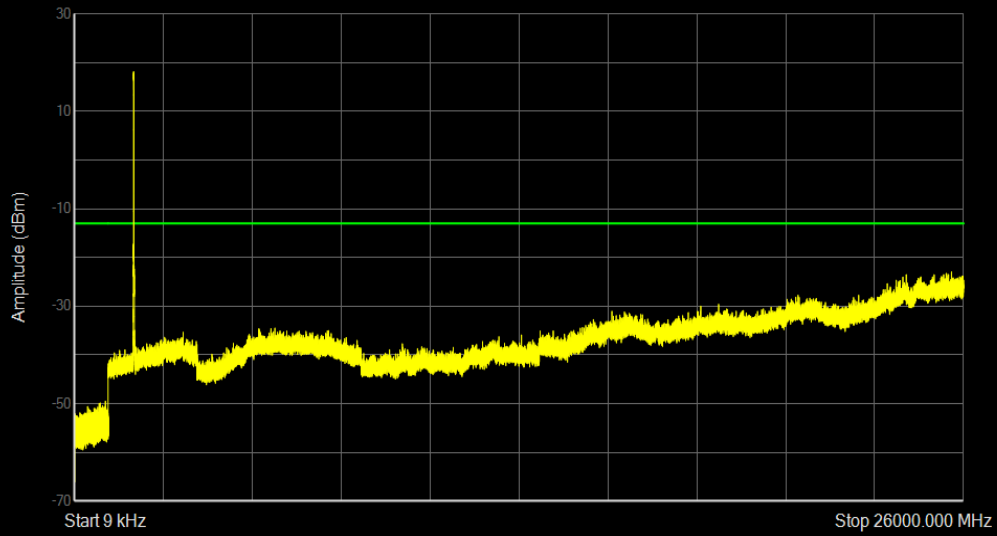
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



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

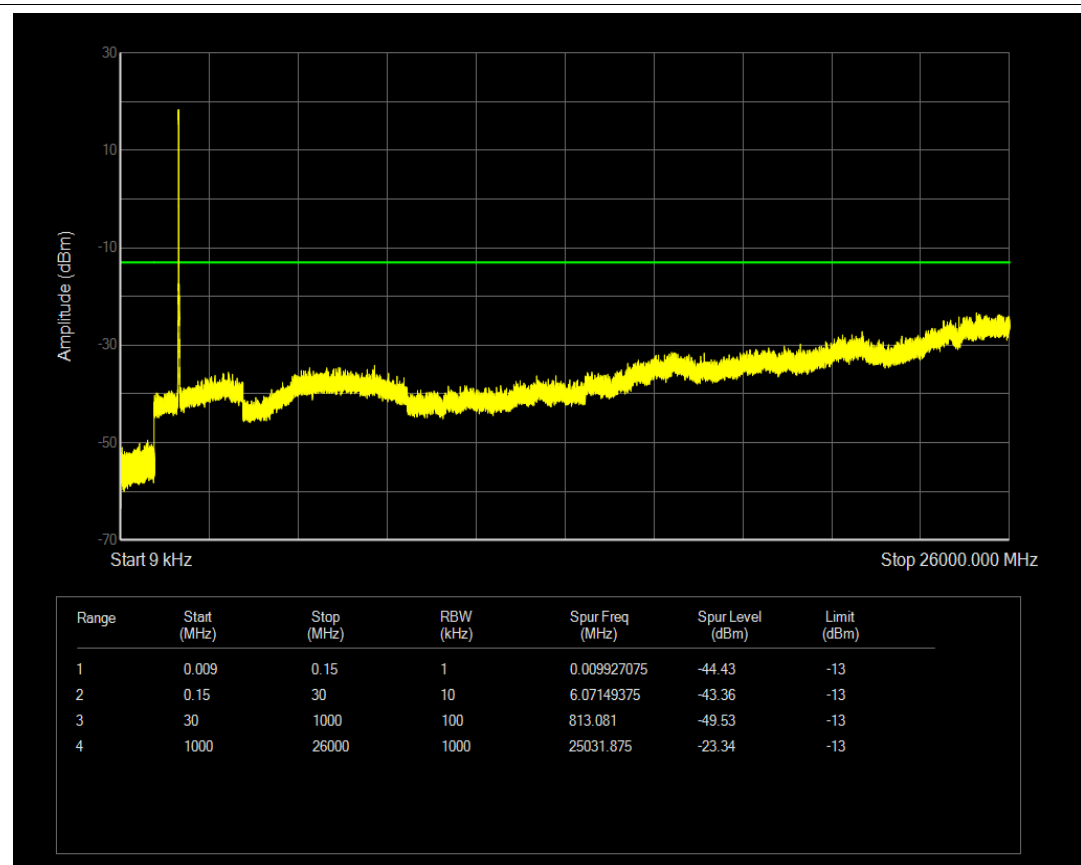


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

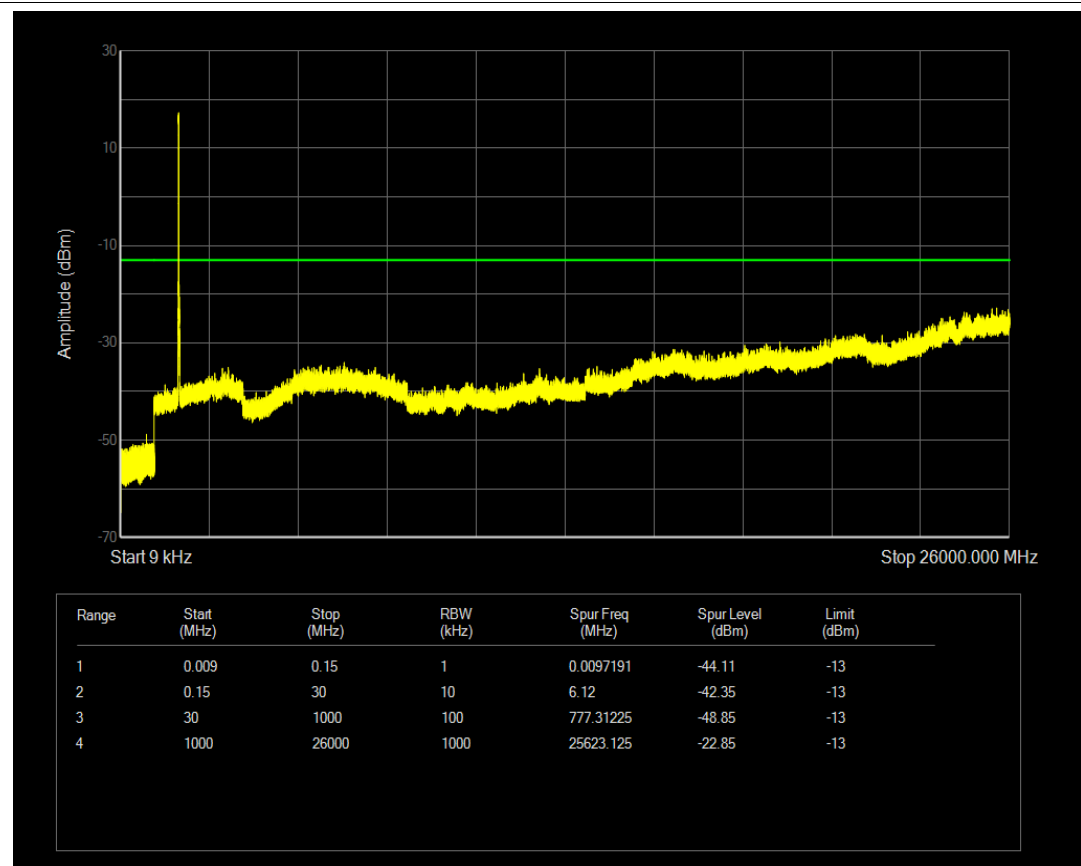


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009341925	-44.36	-13
2	0.15	30	10	5.94910875	-43.21	-13
3	30	1000	100	921.64825	-49.49	-13
4	1000	26000	1000	25647.5	-22.96	-13

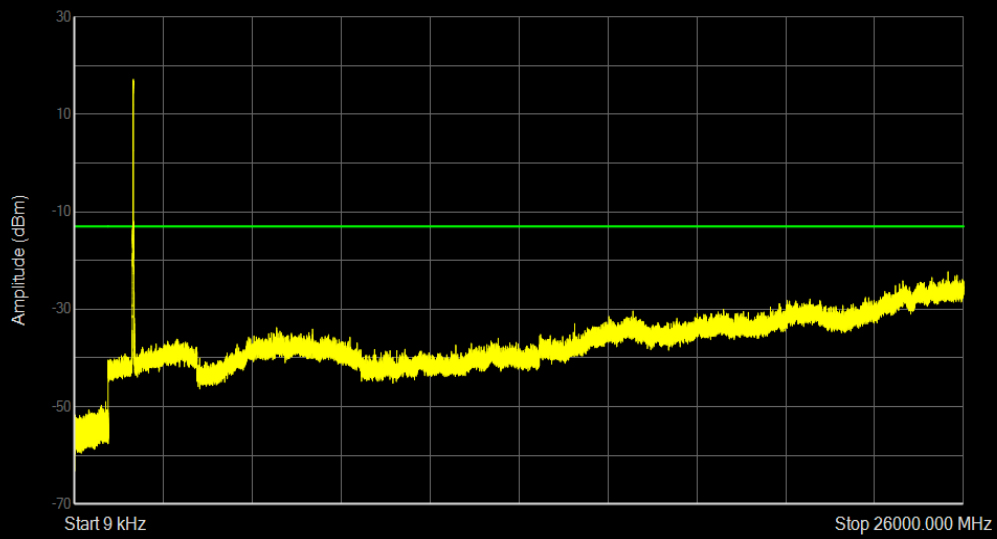
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



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

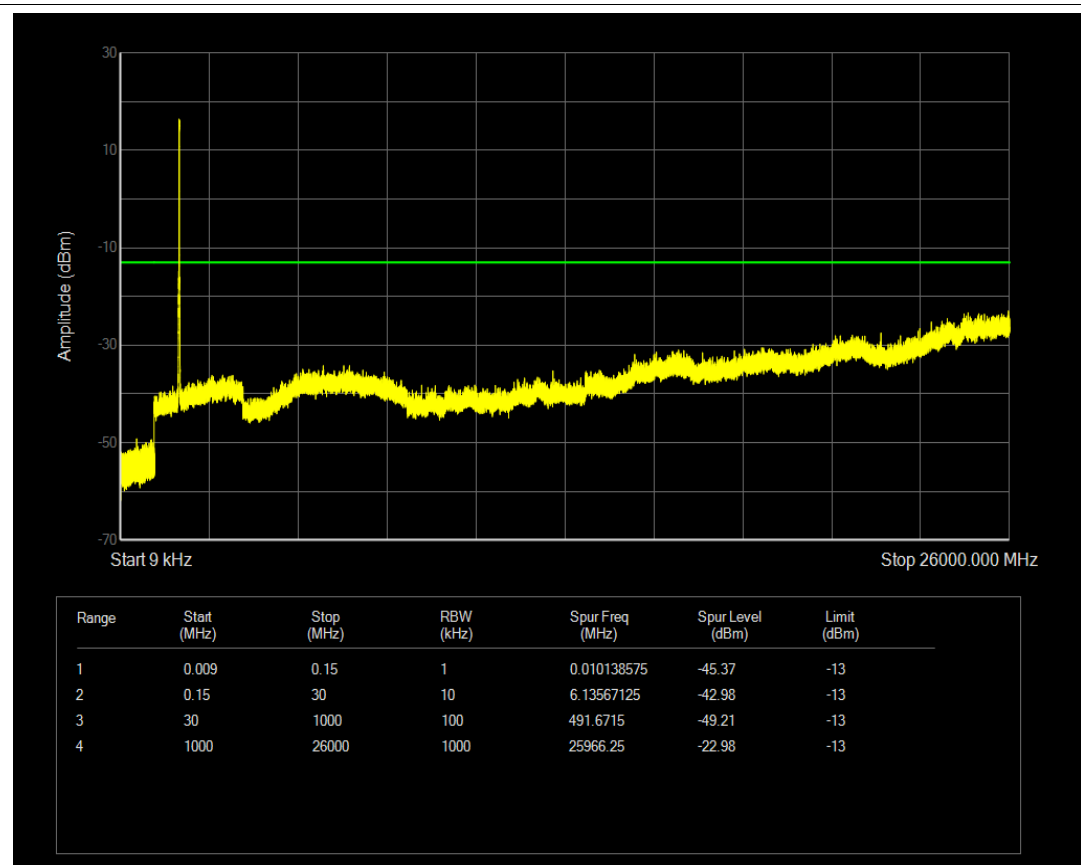


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

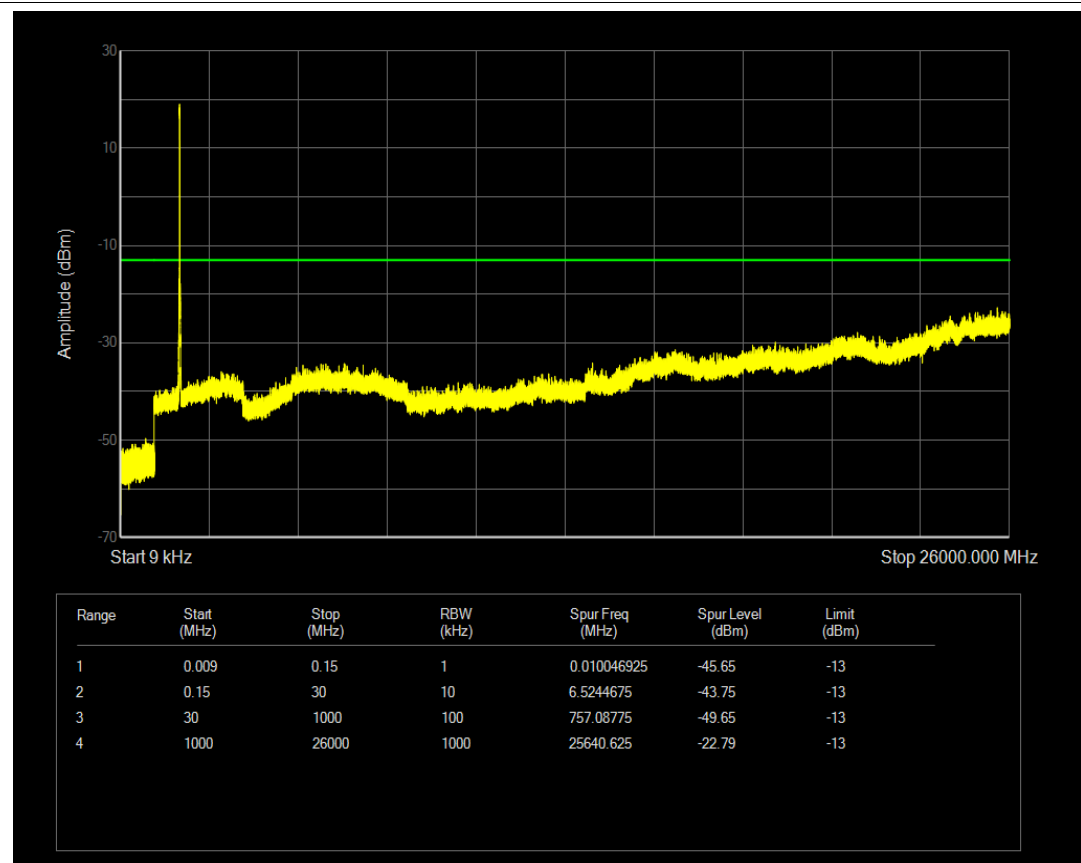


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.114393975	-46.37	-13
2	0.15	30	10	6.48193125	-42.27	-13
3	30	1000	100	930.52375	-48.96	-13
4	1000	26000	1000	25547.5	-22.32	-13

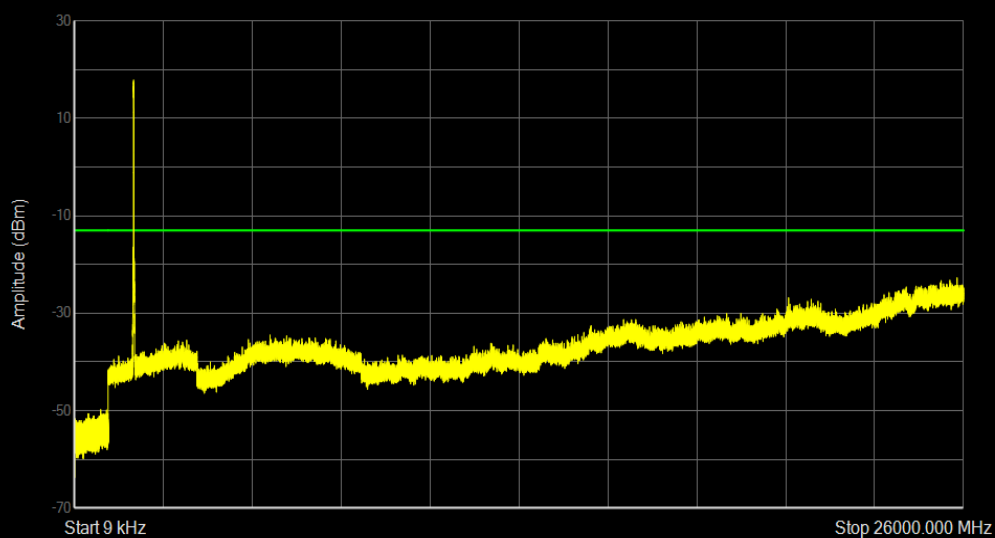
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



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

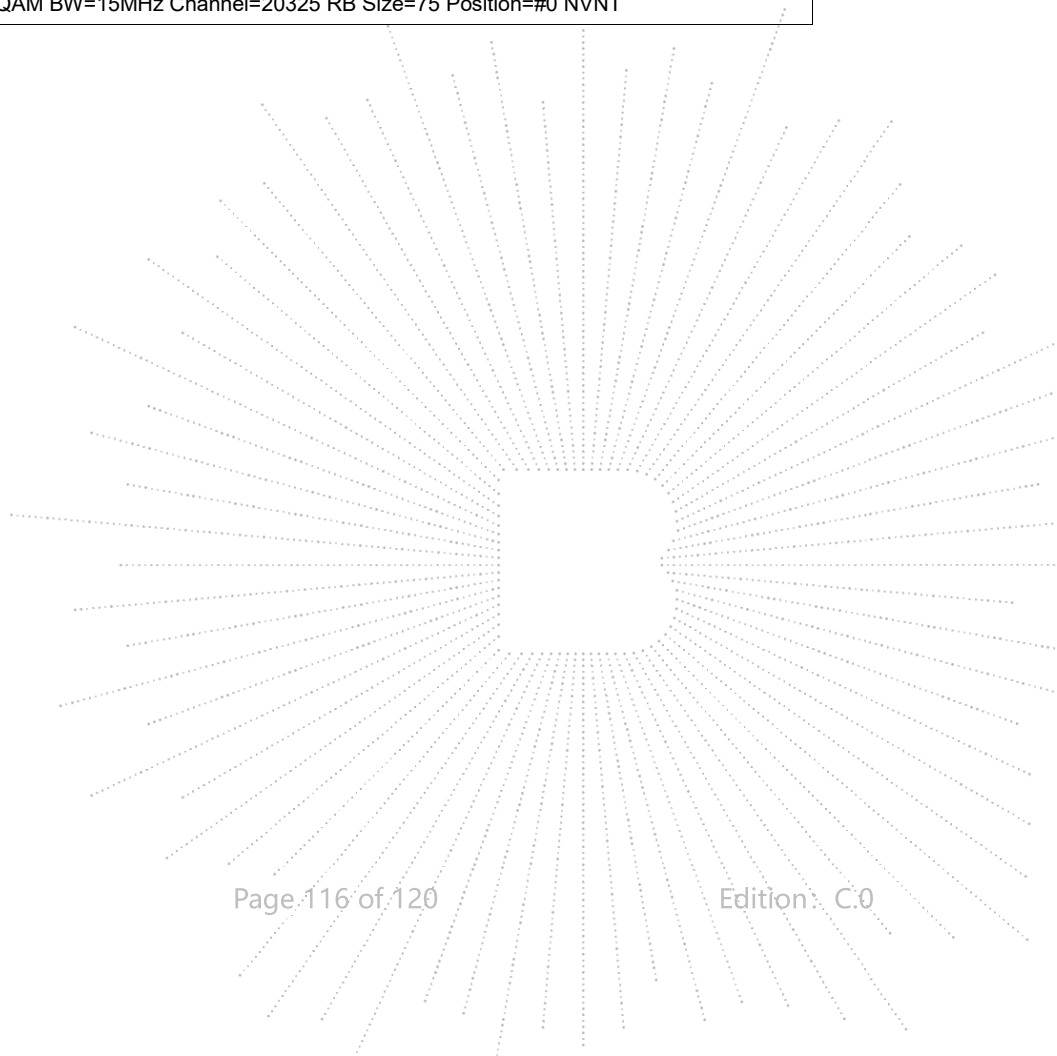


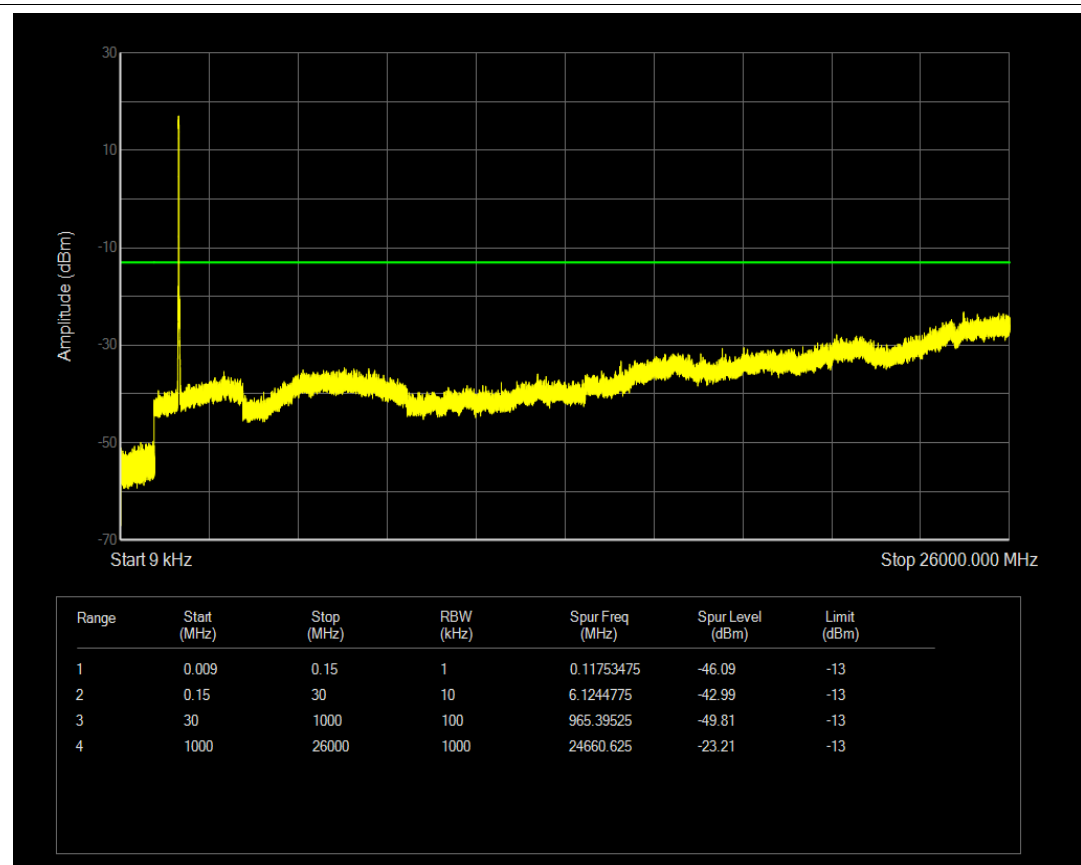
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



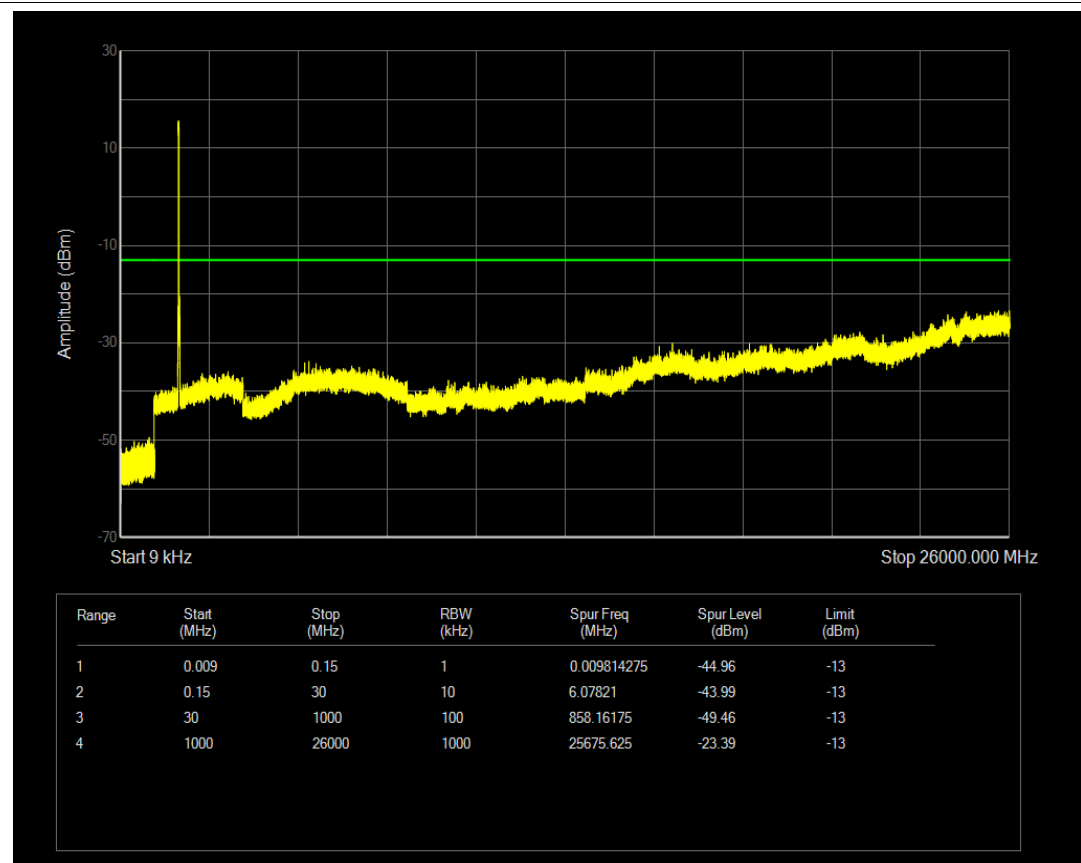
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009282	-45.06	-13
2	0.15	30	10	6.12970125	-43.24	-13
3	30	1000	100	786.2605	-49.79	-13
4	1000	26000	1000	25810.625	-22.74	-13

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

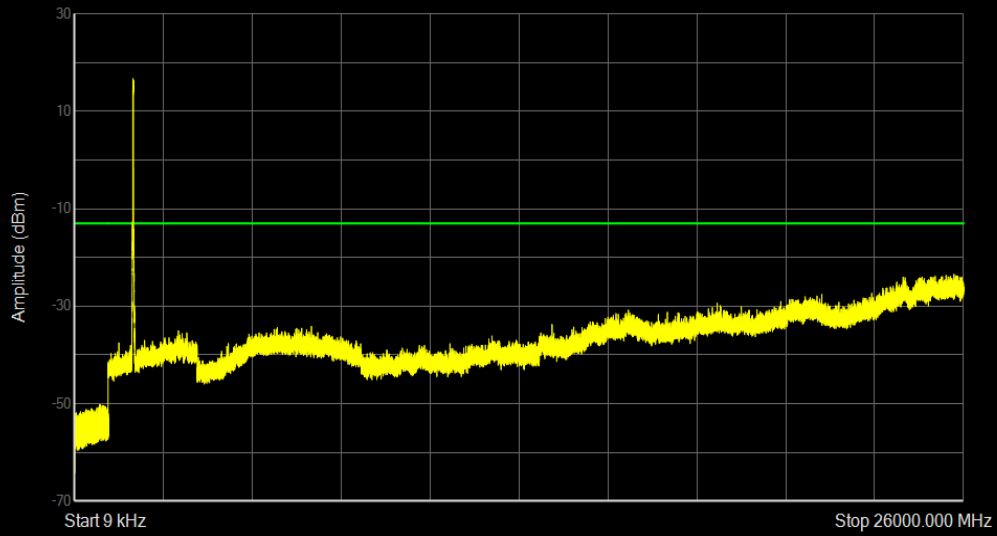




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

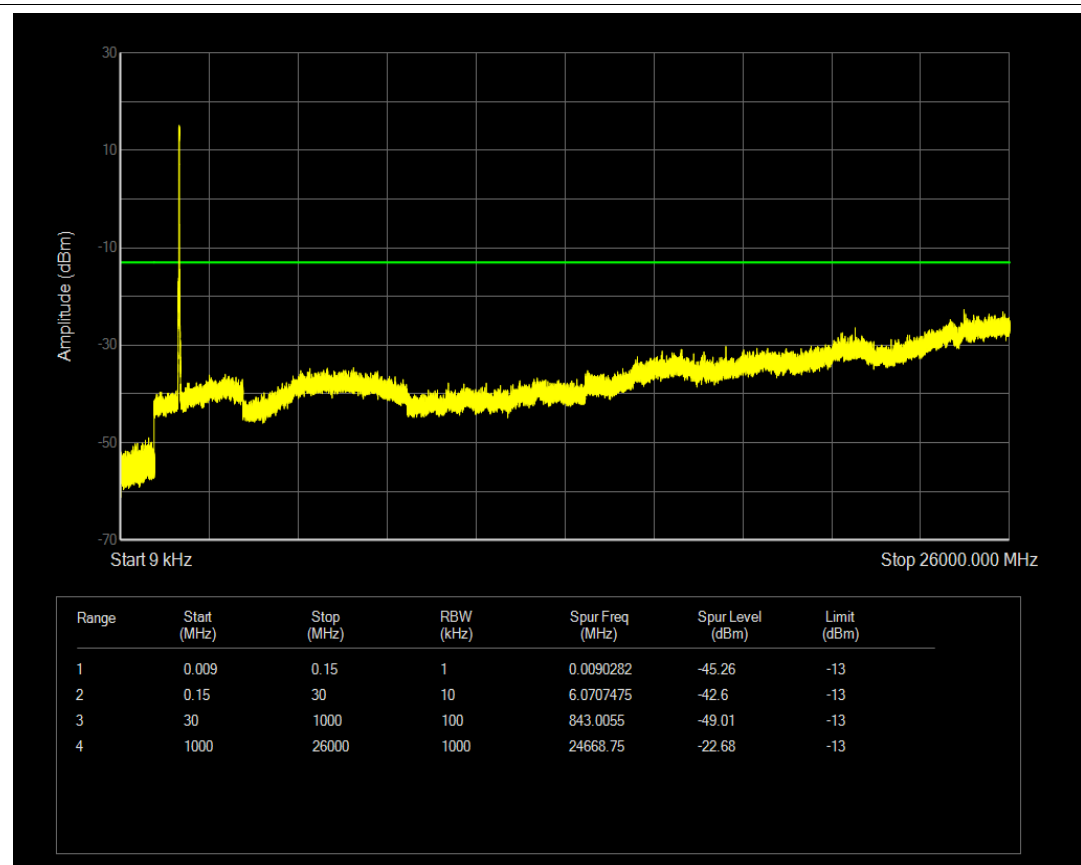


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

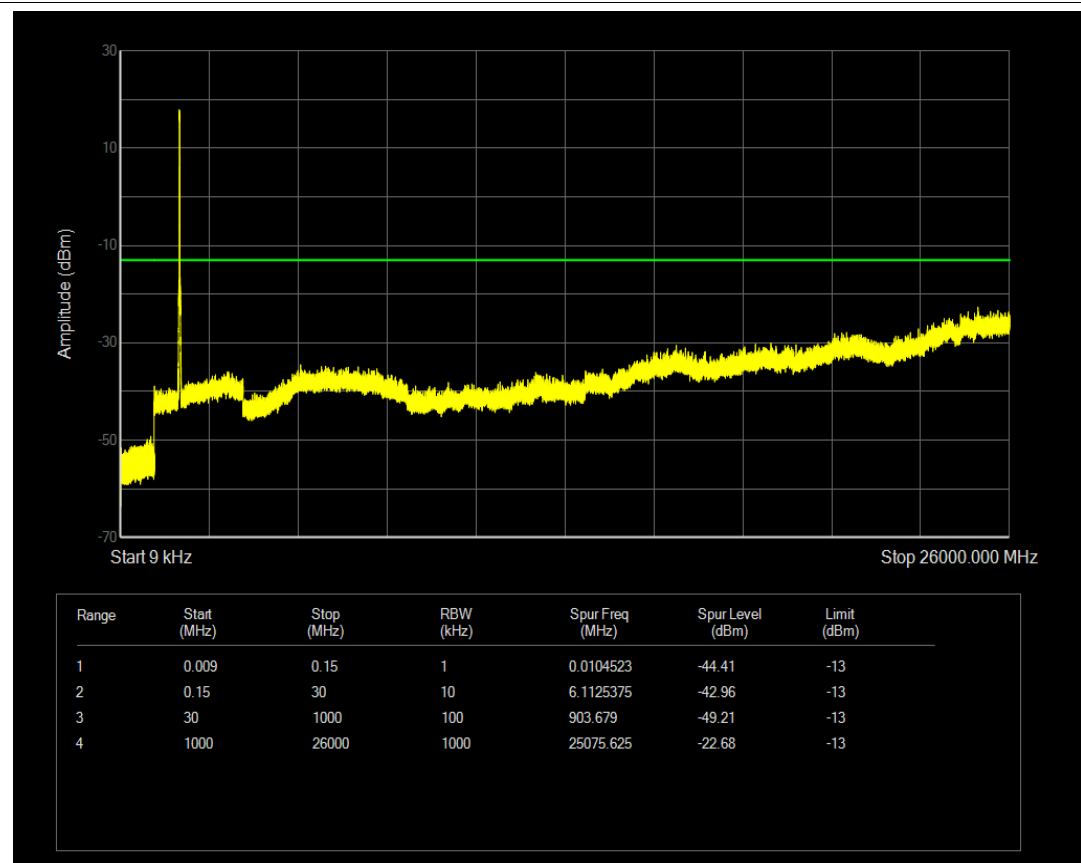


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01061445	-45.01	-13
2	0.15	30	10	6.111045	-43.27	-13
3	30	1000	100	752.72275	-50.25	-13
4	1000	26000	1000	25718.75	-23.43	-13

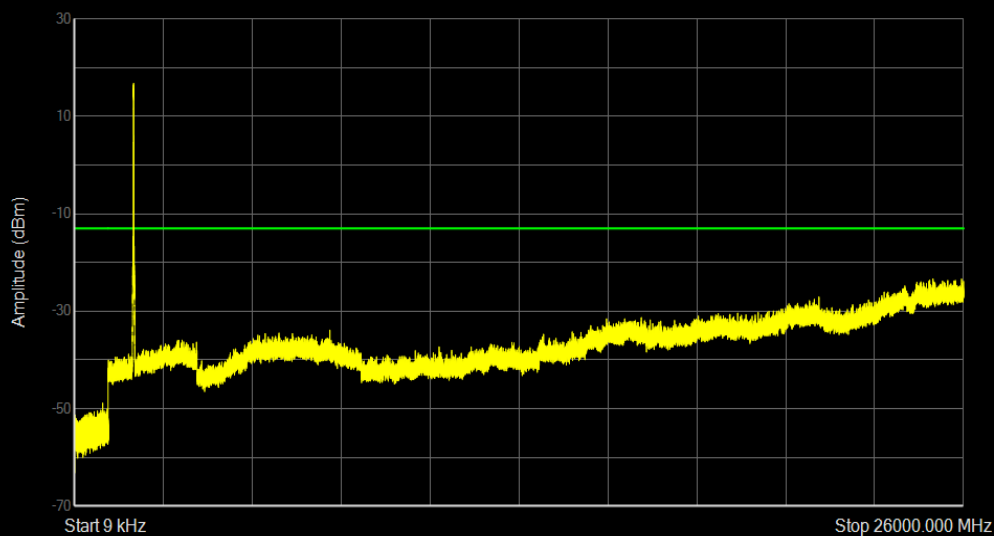
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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	0.009	-45.39	-13
2	0.15	30	10	6.117015	-43.1	-13
3	30	1000	100	843.46625	-48.87	-13
4	1000	26000	1000	25105.625	-23.36	-13

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

