

Appendix for Band 4

Report No.: BCTC2505272294-6E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY
CO.,LTD

Product Name: Smart Phone

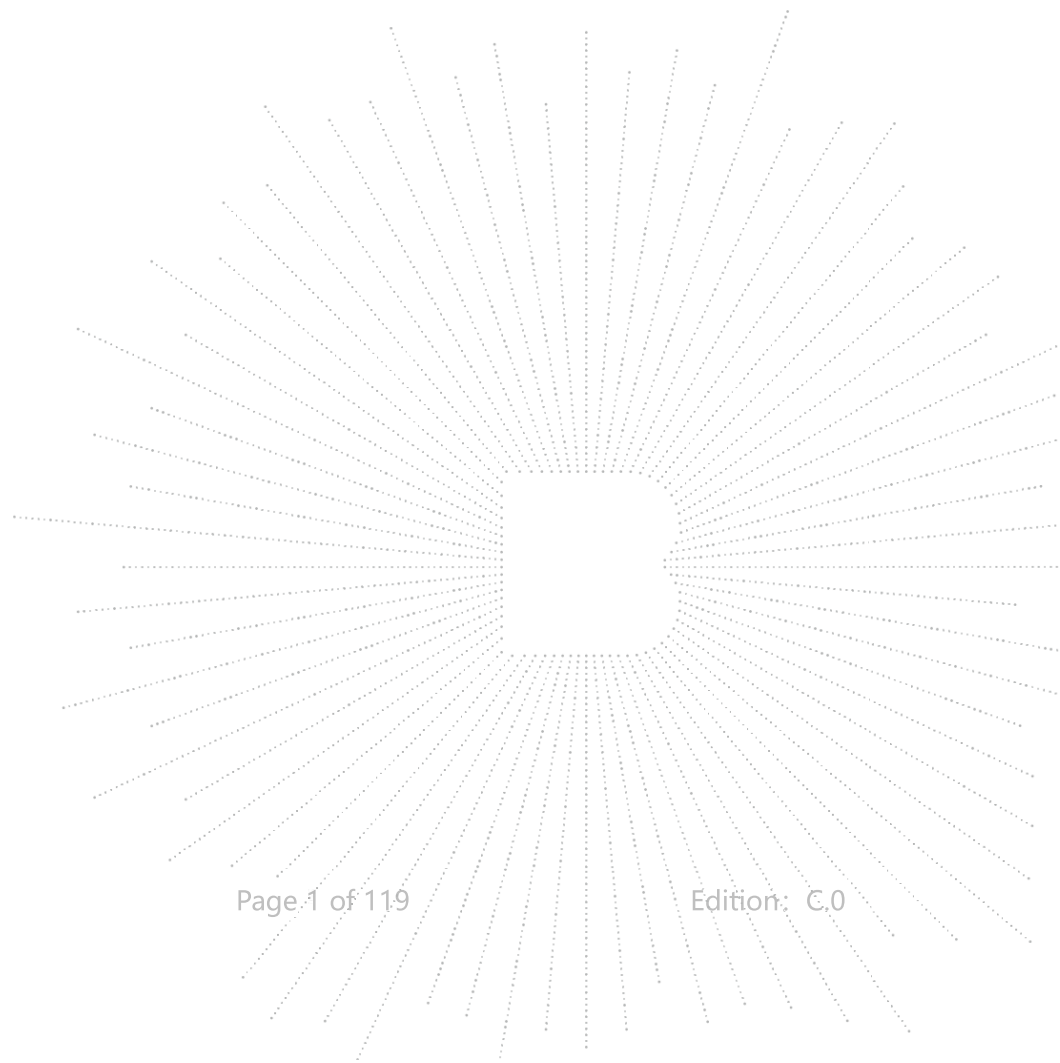
Test Model: WP53 S

Tested Date: 2025-05-06 to 2025-05-20
2025-05-24 to 2025-06-20

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement.....	2
Appendix 2. Frequency stability.....	9
Appendix 3. Peak-to-Average Ratio	28
Appendix 4. Occupied bandwidth	53
Appendix 5. Band edge.....	78
Appendix 6. Out-of-band emissions.....	95



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

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	24.53	0.23	24.76	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	24.54	0.23	24.77	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	24.51	0.23	24.74	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	24.50	0.23	24.73	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	24.41	0.23	24.64	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	24.44	0.23	24.67	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	23.95	0.23	24.18	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	24.81	0.23	25.04	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	24.81	0.23	25.04	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	24.81	0.23	25.04	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	23.63	0.23	23.86	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	23.67	0.23	23.90	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	23.64	0.23	23.87	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	22.50	0.23	22.73	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	24.39	0.23	24.62	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	24.37	0.23	24.60	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	24.43	0.23	24.66	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	24.55	0.23	24.78	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	24.61	0.23	24.84	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	24.57	0.23	24.80	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	23.98	0.23	24.21	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	24.67	0.23	24.90	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	24.71	0.23	24.94	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	24.65	0.23	24.88	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	23.65	0.23	23.88	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	23.62	0.23	23.85	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	23.62	0.23	23.85	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	22.48	0.23	22.71	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	24.50	0.23	24.73	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	24.52	0.23	24.75	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	24.52	0.23	24.75	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	24.32	0.23	24.55	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	24.35	0.23	24.58	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	24.27	0.23	24.50	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	23.79	0.23	24.02	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	24.21	0.23	24.44	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	24.23	0.23	24.46	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	24.21	0.23	24.44	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	23.71	0.23	23.94	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	23.66	0.23	23.89	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	23.67	0.23	23.90	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	22.51	0.23	22.74	PASS
NVNT	Band4	3	19965	1	#0	QPSK	24.31	0.23	24.54	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	24.23	0.23	24.46	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	24.16	0.23	24.39	PASS
NVNT	Band4	3	19965	8	#0	QPSK	23.84	0.23	24.07	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	23.89	0.23	24.12	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	23.87	0.23	24.10	PASS
NVNT	Band4	3	19965	15	#0	QPSK	23.86	0.23	24.09	PASS
NVNT	Band4	3	19965	1	#0	16QAM	24.89	0.23	25.12	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	24.88	0.23	25.11	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	24.78	0.23	25.01	PASS
NVNT	Band4	3	19965	8	#0	16QAM	22.34	0.23	22.57	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	22.33	0.23	22.56	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	22.24	0.23	22.47	PASS
NVNT	Band4	3	19965	15	#0	16QAM	22.53	0.23	22.76	PASS
NVNT	Band4	3	20175	1	#0	QPSK	24.38	0.23	24.61	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	24.43	0.23	24.66	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	24.43	0.23	24.66	PASS
NVNT	Band4	3	20175	8	#0	QPSK	23.94	0.23	24.17	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	24.02	0.23	24.25	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	24.02	0.23	24.25	PASS
NVNT	Band4	3	20175	15	#0	QPSK	24.00	0.23	24.23	PASS
NVNT	Band4	3	20175	1	#0	16QAM	24.64	0.23	24.87	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	24.68	0.23	24.91	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	24.60	0.23	24.83	PASS
NVNT	Band4	3	20175	8	#0	16QAM	22.84	0.23	23.07	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	22.82	0.23	23.05	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	22.83	0.23	23.06	PASS
NVNT	Band4	3	20175	15	#0	16QAM	22.55	0.23	22.78	PASS
NVNT	Band4	3	20385	1	#0	QPSK	24.50	0.23	24.73	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	24.54	0.23	24.77	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	24.61	0.23	24.84	PASS
NVNT	Band4	3	20385	8	#0	QPSK	23.81	0.23	24.04	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	23.79	0.23	24.02	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	23.68	0.23	23.91	PASS
NVNT	Band4	3	20385	15	#0	QPSK	23.81	0.23	24.04	PASS

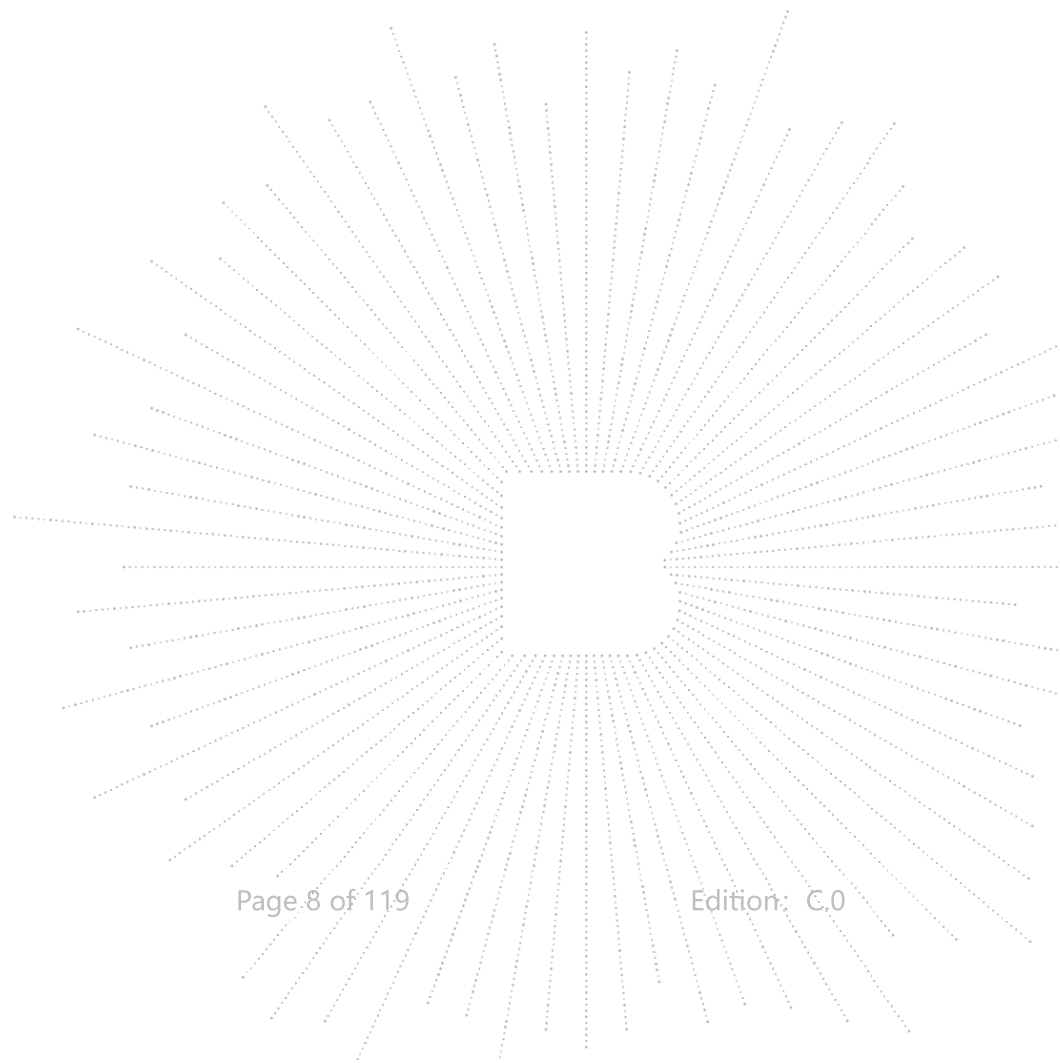
NVNT	Band4	3	20385	1	#0	16QAM	24.28	0.23	24.51	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	24.28	0.23	24.51	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	24.25	0.23	24.48	PASS
NVNT	Band4	3	20385	8	#0	16QAM	22.39	0.23	22.62	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	22.40	0.23	22.63	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	22.40	0.23	22.63	PASS
NVNT	Band4	3	20385	15	#0	16QAM	22.29	0.23	22.52	PASS
NVNT	Band4	5	19975	1	#0	QPSK	24.29	0.23	24.52	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	24.19	0.23	24.42	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	24.21	0.23	24.44	PASS
NVNT	Band4	5	19975	12	#0	QPSK	23.82	0.23	24.05	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	23.77	0.23	24.00	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	23.82	0.23	24.05	PASS
NVNT	Band4	5	19975	25	#0	QPSK	23.82	0.23	24.05	PASS
NVNT	Band4	5	19975	1	#0	16QAM	24.10	0.23	24.33	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	24.03	0.23	24.26	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	23.97	0.23	24.20	PASS
NVNT	Band4	5	19975	12	#0	16QAM	22.41	0.23	22.64	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	22.29	0.23	22.52	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	22.23	0.23	22.46	PASS
NVNT	Band4	5	19975	25	#0	16QAM	22.45	0.23	22.68	PASS
NVNT	Band4	5	20175	1	#0	QPSK	24.56	0.23	24.79	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	24.62	0.23	24.85	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	24.57	0.23	24.80	PASS
NVNT	Band4	5	20175	12	#0	QPSK	23.96	0.23	24.19	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	24.04	0.23	24.27	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	23.99	0.23	24.22	PASS
NVNT	Band4	5	20175	25	#0	QPSK	23.95	0.23	24.18	PASS
NVNT	Band4	5	20175	1	#0	16QAM	23.77	0.23	24.00	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	23.82	0.23	24.05	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	23.78	0.23	24.01	PASS
NVNT	Band4	5	20175	12	#0	16QAM	22.47	0.23	22.70	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	22.50	0.23	22.73	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	22.43	0.23	22.66	PASS
NVNT	Band4	5	20175	25	#0	16QAM	22.63	0.23	22.86	PASS
NVNT	Band4	5	20375	1	#0	QPSK	24.20	0.23	24.43	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	24.23	0.23	24.46	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	24.22	0.23	24.45	PASS
NVNT	Band4	5	20375	12	#0	QPSK	23.75	0.23	23.98	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	23.73	0.23	23.96	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	23.86	0.23	24.09	PASS
NVNT	Band4	5	20375	25	#0	QPSK	23.84	0.23	24.07	PASS

NVNT	Band4	5	20375	1	#0	16QAM	23.84	0.23	24.07	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	23.82	0.23	24.05	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	23.80	0.23	24.03	PASS
NVNT	Band4	5	20375	12	#0	16QAM	22.37	0.23	22.60	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	22.33	0.23	22.56	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	22.38	0.23	22.61	PASS
NVNT	Band4	5	20375	25	#0	16QAM	22.35	0.23	22.58	PASS
NVNT	Band4	10	20000	1	#0	QPSK	24.31	0.23	24.54	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	24.14	0.23	24.37	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	24.19	0.23	24.42	PASS
NVNT	Band4	10	20000	25	#0	QPSK	23.84	0.23	24.07	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	23.73	0.23	23.96	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	23.75	0.23	23.98	PASS
NVNT	Band4	10	20000	50	#0	QPSK	23.81	0.23	24.04	PASS
NVNT	Band4	10	20000	1	#0	16QAM	24.94	0.23	25.17	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	24.81	0.23	25.04	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	24.83	0.23	25.06	PASS
NVNT	Band4	10	20000	25	#0	16QAM	22.34	0.23	22.57	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	22.36	0.23	22.59	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	22.28	0.23	22.51	PASS
NVNT	Band4	10	20000	50	#0	16QAM	22.37	0.23	22.60	PASS
NVNT	Band4	10	20175	1	#0	QPSK	24.43	0.23	24.66	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	24.53	0.23	24.76	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	24.55	0.23	24.78	PASS
NVNT	Band4	10	20175	25	#0	QPSK	24.06	0.23	24.29	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	23.96	0.23	24.19	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	24.13	0.23	24.36	PASS
NVNT	Band4	10	20175	50	#0	QPSK	23.96	0.23	24.19	PASS
NVNT	Band4	10	20175	1	#0	16QAM	24.02	0.23	24.25	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	24.12	0.23	24.35	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	24.09	0.23	24.32	PASS
NVNT	Band4	10	20175	25	#0	16QAM	22.61	0.23	22.84	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	22.63	0.23	22.86	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	22.56	0.23	22.79	PASS
NVNT	Band4	10	20175	50	#0	16QAM	22.62	0.23	22.85	PASS
NVNT	Band4	10	20350	1	#0	QPSK	24.40	0.23	24.63	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	24.37	0.23	24.60	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	24.29	0.23	24.52	PASS
NVNT	Band4	10	20350	25	#0	QPSK	23.89	0.23	24.12	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	23.86	0.23	24.09	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	23.80	0.23	24.03	PASS
NVNT	Band4	10	20350	50	#0	QPSK	23.84	0.23	24.07	PASS

NVNT	Band4	10	20350	1	#0	16QAM	24.07	0.23	24.30	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	23.97	0.23	24.20	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	23.95	0.23	24.18	PASS
NVNT	Band4	10	20350	25	#0	16QAM	22.39	0.23	22.62	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	22.38	0.23	22.61	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	22.35	0.23	22.58	PASS
NVNT	Band4	10	20350	50	#0	16QAM	22.47	0.23	22.70	PASS
NVNT	Band4	15	20025	1	#0	QPSK	24.30	0.23	24.53	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	24.16	0.23	24.39	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	24.28	0.23	24.51	PASS
NVNT	Band4	15	20025	36	#0	QPSK	23.83	0.23	24.06	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	23.78	0.23	24.01	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	23.74	0.23	23.97	PASS
NVNT	Band4	15	20025	75	#0	QPSK	23.78	0.23	24.01	PASS
NVNT	Band4	15	20025	1	#0	16QAM	24.89	0.23	25.12	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	24.78	0.23	25.01	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	24.89	0.23	25.12	PASS
NVNT	Band4	15	20025	36	#0	16QAM	22.30	0.23	22.53	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	22.36	0.23	22.59	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	22.33	0.23	22.56	PASS
NVNT	Band4	15	20025	75	#0	16QAM	22.34	0.23	22.57	PASS
NVNT	Band4	15	20175	1	#0	QPSK	24.35	0.23	24.58	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	24.54	0.23	24.77	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	24.45	0.23	24.68	PASS
NVNT	Band4	15	20175	36	#0	QPSK	23.95	0.23	24.18	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	24.08	0.23	24.31	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	23.89	0.23	24.12	PASS
NVNT	Band4	15	20175	75	#0	QPSK	24.02	0.23	24.25	PASS
NVNT	Band4	15	20175	1	#0	16QAM	23.97	0.23	24.20	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	24.10	0.23	24.33	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	24.11	0.23	24.34	PASS
NVNT	Band4	15	20175	36	#0	16QAM	22.66	0.23	22.89	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	22.73	0.23	22.96	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	22.63	0.23	22.86	PASS
NVNT	Band4	15	20175	75	#0	16QAM	22.61	0.23	22.84	PASS
NVNT	Band4	15	20325	1	#0	QPSK	24.59	0.23	24.82	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	24.42	0.23	24.65	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	24.38	0.23	24.61	PASS
NVNT	Band4	15	20325	36	#0	QPSK	23.81	0.23	24.04	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	23.81	0.23	24.04	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	23.75	0.23	23.98	PASS
NVNT	Band4	15	20325	75	#0	QPSK	23.78	0.23	24.01	PASS

NVNT	Band4	15	20325	1	#0	16QAM	24.86	0.23	25.09	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	24.70	0.23	24.93	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	24.60	0.23	24.83	PASS
NVNT	Band4	15	20325	36	#0	16QAM	22.50	0.23	22.73	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	22.41	0.23	22.64	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	22.37	0.23	22.60	PASS
NVNT	Band4	15	20325	75	#0	16QAM	22.50	0.23	22.73	PASS
NVNT	Band4	20	20050	1	#0	QPSK	24.53	0.23	24.76	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	24.43	0.23	24.66	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	24.61	0.23	24.84	PASS
NVNT	Band4	20	20050	50	#0	QPSK	23.73	0.23	23.96	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	23.74	0.23	23.97	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	23.92	0.23	24.15	PASS
NVNT	Band4	20	20050	100	#0	QPSK	23.80	0.23	24.03	PASS
NVNT	Band4	20	20050	1	#0	16QAM	24.05	0.23	24.28	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	23.97	0.23	24.20	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	24.11	0.23	24.34	PASS
NVNT	Band4	20	20050	50	#0	16QAM	22.37	0.23	22.60	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	22.51	0.23	22.74	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	22.51	0.23	22.74	PASS
NVNT	Band4	20	20050	100	#0	16QAM	22.38	0.23	22.61	PASS
NVNT	Band4	20	20175	1	#0	QPSK	24.52	0.23	24.75	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	24.76	0.23	24.99	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	24.67	0.23	24.90	PASS
NVNT	Band4	20	20175	50	#0	QPSK	24.04	0.23	24.27	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	24.06	0.23	24.29	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	23.90	0.23	24.13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	24.03	0.23	24.26	PASS
NVNT	Band4	20	20175	1	#0	16QAM	23.93	0.23	24.16	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	24.08	0.23	24.31	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	24.03	0.23	24.26	PASS
NVNT	Band4	20	20175	50	#0	16QAM	22.57	0.23	22.80	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	22.62	0.23	22.85	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	22.61	0.23	22.84	PASS
NVNT	Band4	20	20175	100	#0	16QAM	22.61	0.23	22.84	PASS
NVNT	Band4	20	20300	1	#0	QPSK	24.48	0.23	24.71	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	24.34	0.23	24.57	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	24.23	0.23	24.46	PASS
NVNT	Band4	20	20300	50	#0	QPSK	24.00	0.23	24.23	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	23.82	0.23	24.05	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	23.78	0.23	24.01	PASS
NVNT	Band4	20	20300	100	#0	QPSK	23.92	0.23	24.15	PASS

NVNT	Band4	20	20300	1	#0	16QAM	24.47	0.23	24.70	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	24.30	0.23	24.53	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	24.21	0.23	24.44	PASS
NVNT	Band4	20	20300	50	#0	16QAM	22.61	0.23	22.84	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	22.58	0.23	22.81	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	22.53	0.23	22.76	PASS
NVNT	Band4	20	20300	100	#0	16QAM	22.49	0.23	22.72	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	-11.80	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	-13.60	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-20.47	-0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	-8.70	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	-6.77	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	-6.27	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	6.19	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	2.69	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	4.39	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	6.44	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	8.13	0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	11.87	0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	9.74	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	10.26	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	10.73	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-2.05	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	0.60	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	2.40	0.001	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-13.75	-0.008	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-12.65	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-16.52	-0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-14.51	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-14.31	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-16.55	-0.010	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	6.57	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	4.79	0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	3.02	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	3.68	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	6.68	0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	6.62	0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	-4.36	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-7.88	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	-9.83	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-7.00	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	4.23	0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	5.32	0.003	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	-38.52	-0.022	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-3.23	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	-12.83	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	-17.78	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	-20.40	-0.012	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	-19.27	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	4.16	0.002	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	2.30	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	1.92	0.001	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	3.85	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	3.58	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	5.55	0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-6.51	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	-10.63	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	-10.91	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	-11.50	-0.007	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	3.40	0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	3.48	0.002	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	-13.42	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	-30.24	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	-2.73	-0.002	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	-6.77	-0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	-7.77	-0.005	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	-9.14	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	-10.41	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	0.97	0.001	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	-1.26	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	0.76	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	3.42	0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	4.88	0.003	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	5.49	0.003	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	3.22	0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	2.86	0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	-1.22	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	2.95	0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	3.06	0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	4.85	0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	-13.30	-0.008	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	-22.04	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	-21.80	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	-17.17	-0.010	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	-17.52	-0.010	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	-15.91	-0.009	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	0.21	0.000	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	4.53	0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	9.03	0.005	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	11.67	0.007	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	12.02	0.007	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-10.24	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-13.49	-0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	-14.88	-0.009	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	-14.79	-0.008	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	-11.72	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	-9.44	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-21.86	-0.013	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	-31.71	-0.018	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	-34.39	-0.020	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	-32.34	-0.019	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	-26.95	-0.016	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	-24.55	-0.014	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	2.07	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	-2.73	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	15.71	0.009	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	20.54	0.012	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	24.45	0.014	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	27.24	0.016	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	-4.05	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	-7.94	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	-6.74	-0.004	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	-2.63	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	-8.58	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	-8.10	-0.005	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	-24.88	-0.015	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	-17.41	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	-7.47	-0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	-10.26	-0.006	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	-13.58	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	-15.54	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	-16.79	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	-7.80	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	-8.50	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	-12.45	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	-15.31	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	-15.44	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	-15.85	-0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	-16.26	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-16.32	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	-17.12	-0.010	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	-12.79	-0.007	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-12.79	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-3.23	-0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	-3.38	-0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	-4.79	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	-8.88	-0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	-7.18	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	-8.68	-0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	-6.54	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	-4.98	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	-4.86	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	-2.68	-0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	-4.69	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	-4.55	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-5.16	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	-2.85	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	-9.73	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	-9.96	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	-11.43	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	-11.49	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	-9.20	-0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	0.73	0.000	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	1.79	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	9.66	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	1.67	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	-12.36	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-14.38	-0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	-11.30	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	-10.57	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	-11.17	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	-12.22	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	-11.20	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	-8.17	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	-0.60	0.000	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	-3.32	-0.002	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	-7.27	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	-10.40	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-11.01	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-16.69	-0.010	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	-17.52	-0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	-13.38	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	-13.43	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	-11.46	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	-9.26	-0.005	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	-10.14	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	2.17	0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	5.01	0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	4.96	0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-6.28	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-6.05	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-6.37	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	-10.19	-0.006	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	-2.56	-0.001	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	2.33	0.001	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	1.49	0.001	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	1.85	0.001	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-7.72	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	-8.93	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-7.72	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	4.05	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	-3.33	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	-5.34	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	-5.85	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	-3.55	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	0.37	0.000	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	-2.12	-0.001	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-6.92	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-7.38	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-7.90	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-10.17	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-9.54	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-11.89	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-10.41	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-10.66	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-0.03	0.000	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	3.42	0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-1.34	-0.001	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	-1.73	-0.001	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	-3.20	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	-2.88	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	-16.71	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	-22.16	-0.013	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	-25.68	-0.015	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	-29.20	-0.017	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	-33.23	-0.019	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	-35.32	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	-36.52	-0.021	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	-36.28	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	-36.68	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-35.22	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	-34.38	-0.020	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-33.56	-0.020	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-33.49	-0.020	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-28.77	-0.017	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-2.85	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	-4.78	-0.003	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	11.97	0.007	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	-15.95	-0.009	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	-17.47	-0.010	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	-19.57	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-19.20	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	-21.09	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	-2.10	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	0.66	0.000	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	0.67	0.000	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	2.75	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	-9.26	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	-6.92	-0.004	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	-6.19	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	-6.55	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	-6.85	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	-5.62	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	-1.17	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	6.21	0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	2.82	0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	0.67	0.000	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-1.39	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-4.72	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-2.69	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-3.19	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-3.93	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-4.86	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	-3.52	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-3.18	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-3.08	-0.002	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-4.55	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	-5.12	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	-4.94	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	-16.28	-0.009	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	2.25	0.001	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	-0.93	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-6.44	-0.004	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-9.87	-0.006	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-9.81	-0.006	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-14.38	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-15.89	-0.009	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-15.11	-0.009	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-14.12	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	-13.38	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	-13.76	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-11.53	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	-9.31	-0.005	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	1.43	0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	-12.09	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	-0.62	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	-3.99	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	-9.34	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	-10.37	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	-13.89	-0.008	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	-2.66	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	-3.82	-0.002	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-7.93	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-9.01	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	-6.72	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	-8.54	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	6.39	0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	1.34	0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	2.92	0.002	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	0.10	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	1.54	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	-12.55	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	-11.67	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	-7.88	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	-9.47	-0.005	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-14.32	-0.008	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	-17.62	-0.010	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	3.05	0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	0.93	0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-0.19	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	-0.77	0.000	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	-3.12	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	-15.82	-0.009	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	-4.38	-0.003	PASS

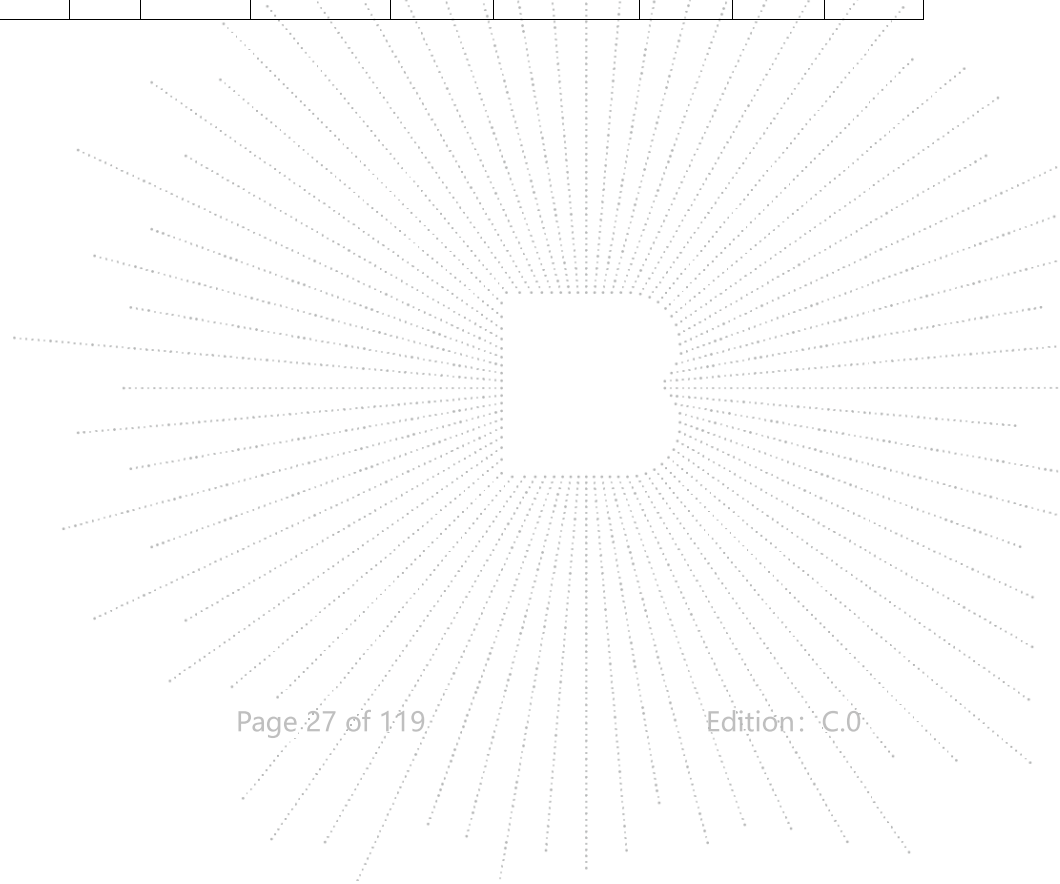
	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	-6.11	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	-7.68	-0.004	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	-8.28	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-18.45	-0.011	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-21.23	-0.012	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	0.24	0.000	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	-3.43	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-6.57	-0.004	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-10.50	-0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-8.81	-0.005	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	1.67	0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	0.73	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	2.33	0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	4.09	0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	5.97	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	6.28	0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	5.31	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	4.73	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	5.34	0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	-2.22	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	-5.74	-0.003	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	-12.17	-0.007	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	-14.59	-0.008	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	-19.11	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	-24.06	-0.014	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	-13.06	-0.008	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	-19.34	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	-19.73	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	-20.70	-0.012	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	-21.89	-0.013	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	-23.63	-0.014	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	-26.26	-0.015	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	-29.35	-0.017	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	-31.67	-0.018	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	-10.53	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	-4.78	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-10.09	-0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	-14.53	-0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-6.62	-0.004	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	-11.87	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-2.02	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	-9.41	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-11.54	-0.007	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-4.35	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-5.91	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-1.72	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	-7.30	-0.004	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	-0.01	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	-1.52	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	-3.25	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	-4.99	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	-2.92	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	-12.60	-0.007	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-19.40	-0.011	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-15.56	-0.009	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-3.29	-0.002	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-8.54	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-9.97	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-13.96	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-13.18	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-15.09	-0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	-13.63	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	-16.78	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	-10.03	-0.006	PASS

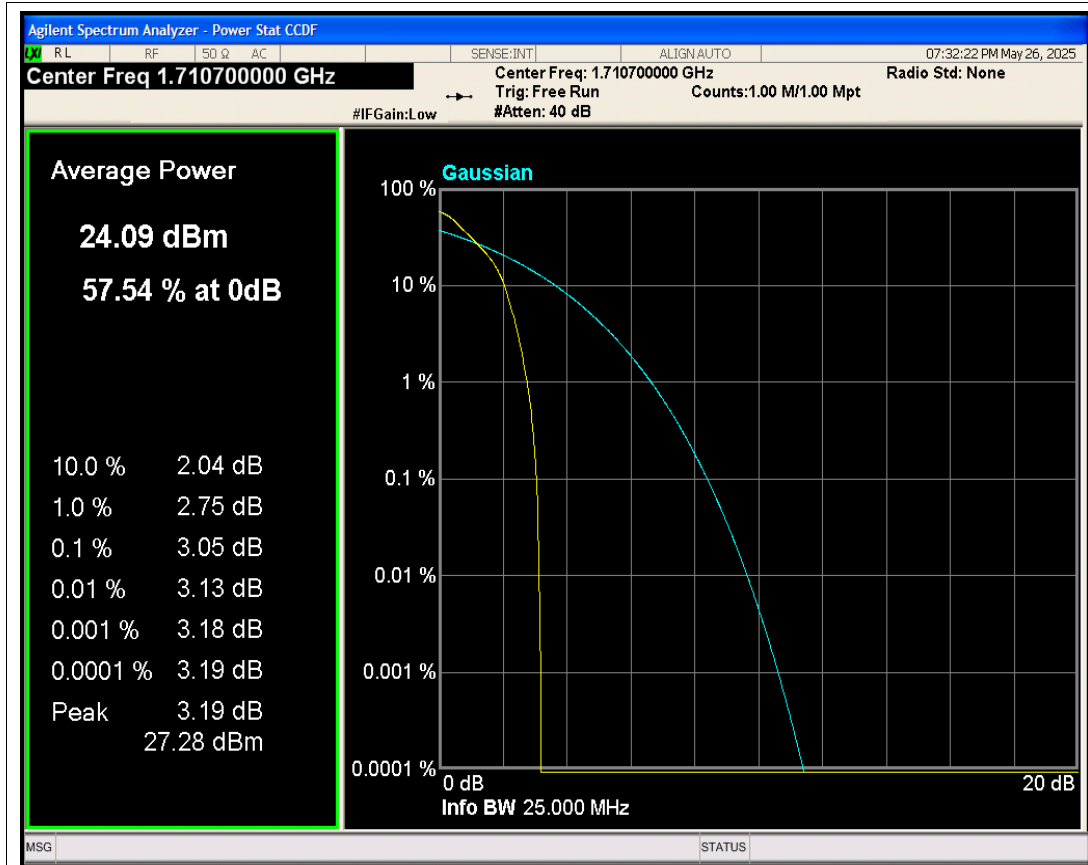
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	-7.01	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	-8.43	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-3.78	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	-6.27	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	5.12	0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	-2.95	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	0.82	0.000	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	-2.93	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-7.91	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-13.58	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	-17.81	-0.010	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	-13.30	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	-9.24	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	0.69	0.000	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	0.94	0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	-2.55	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	-5.69	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	-7.72	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	-11.37	-0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	-9.23	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	-14.08	-0.008	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	-21.39	-0.012	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-25.62	-0.015	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-7.70	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	1.69	0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	-3.02	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-6.88	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	-8.94	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	-10.03	-0.006	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	-11.77	-0.007	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	-14.91	-0.009	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	-16.08	-0.009	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	8.85	0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	6.48	0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	0.51	0.000	PASS

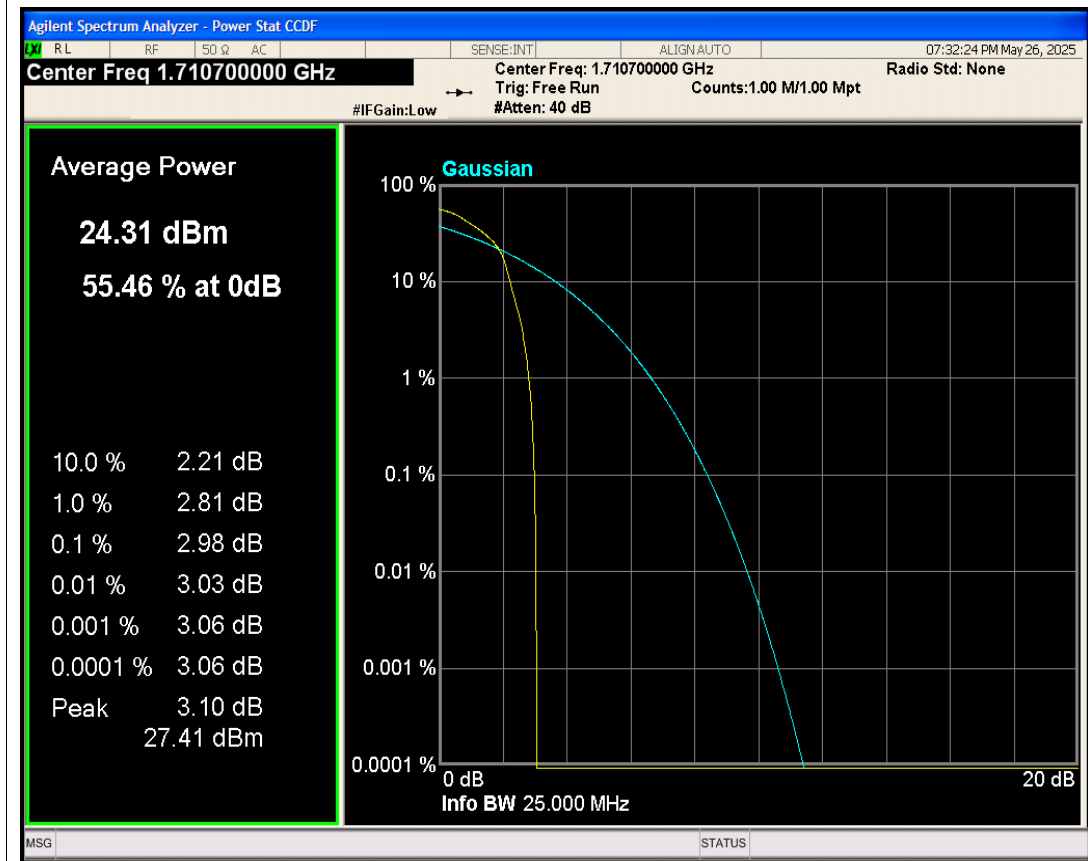


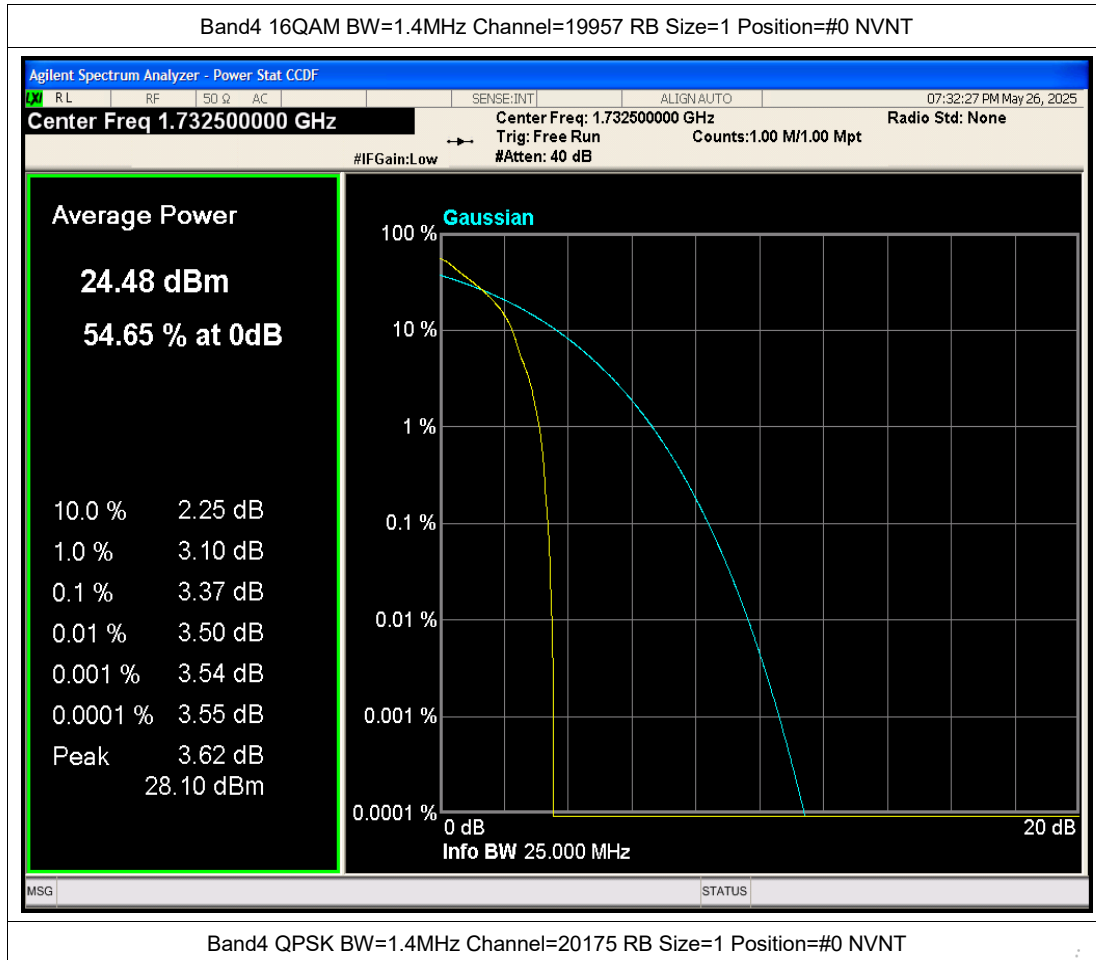
Appendix 3. Peak-to-Average Ratio

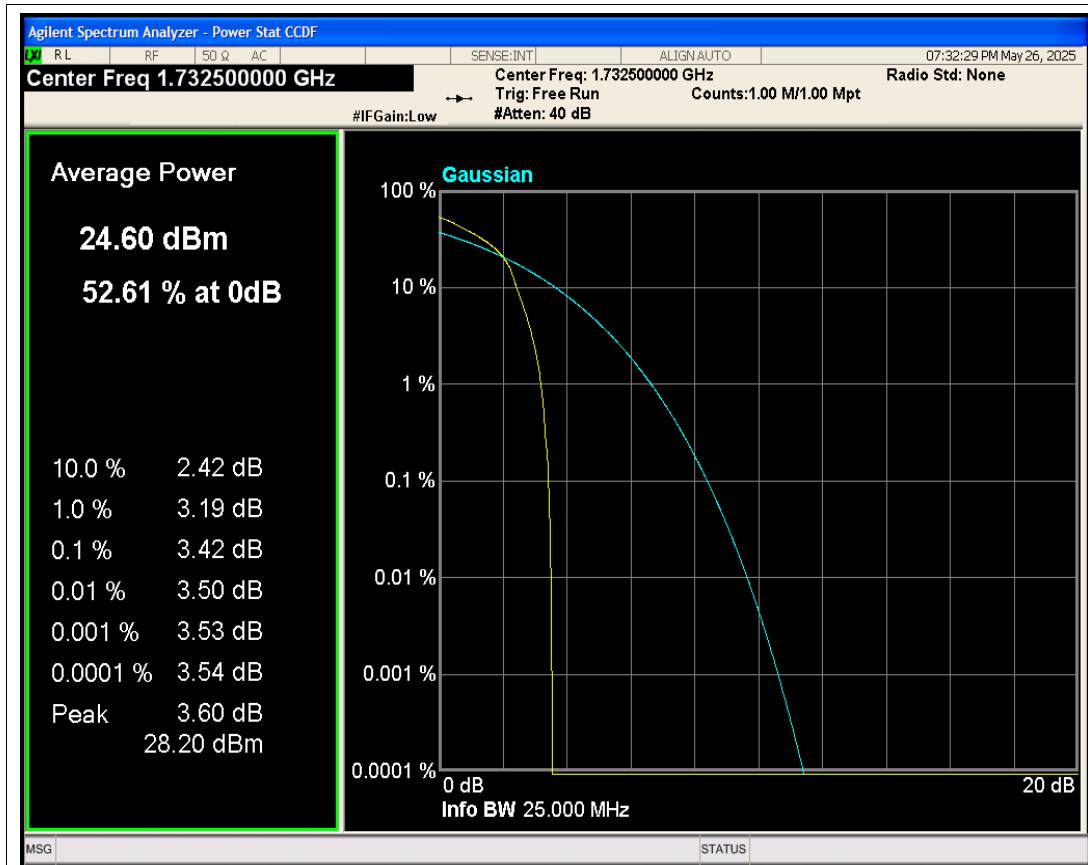
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	3.05	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	2.98	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	3.37	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	3.42	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	2.42	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	3.08	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	3.04	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	3.41	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	3.20	13	PASS
NVNT	Band4	3	20175	1	#0	16QAM	3.42	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	2.69	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	3.34	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	3.00	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	3.84	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	3.07	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	3.50	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	3.45	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	4.04	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	3.04	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	3.48	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	2.84	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	3.39	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	3.61	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	4.44	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	3.07	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	3.66	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	2.34	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	2.82	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	3.28	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	3.70	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	2.96	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	3.43	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	2.04	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	2.64	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	3.34	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	3.87	13	PASS



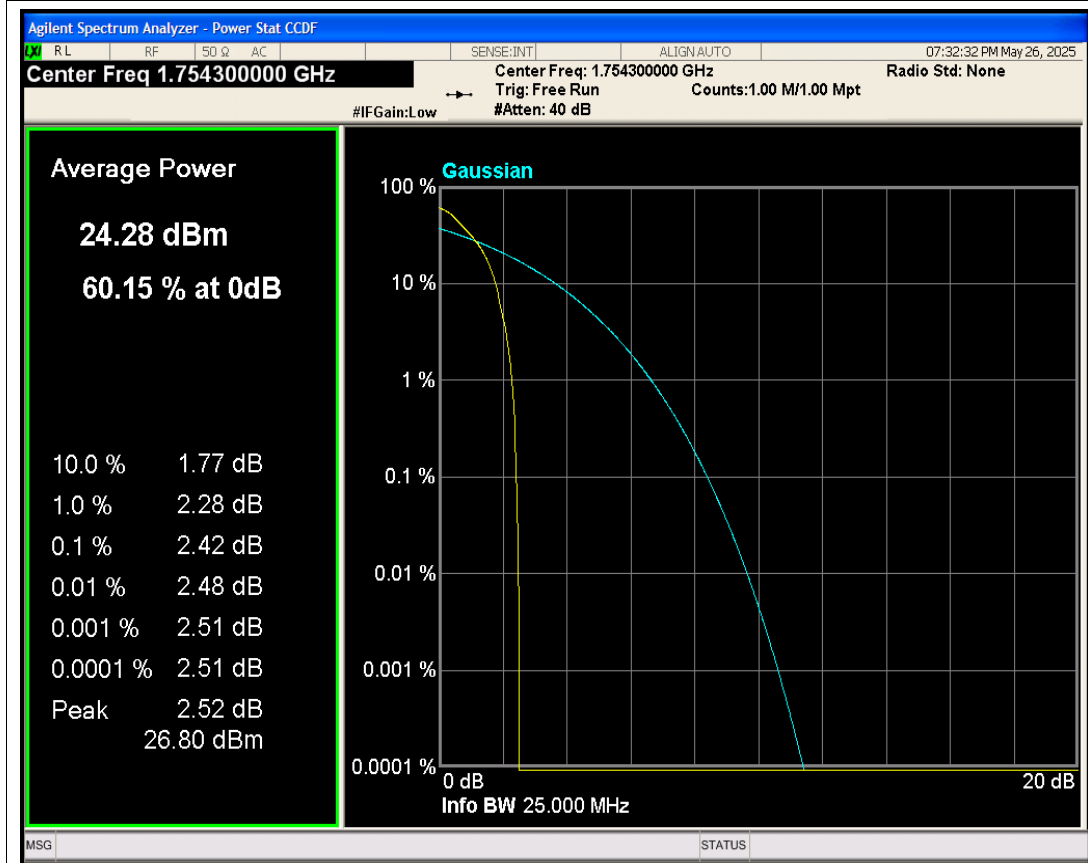
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

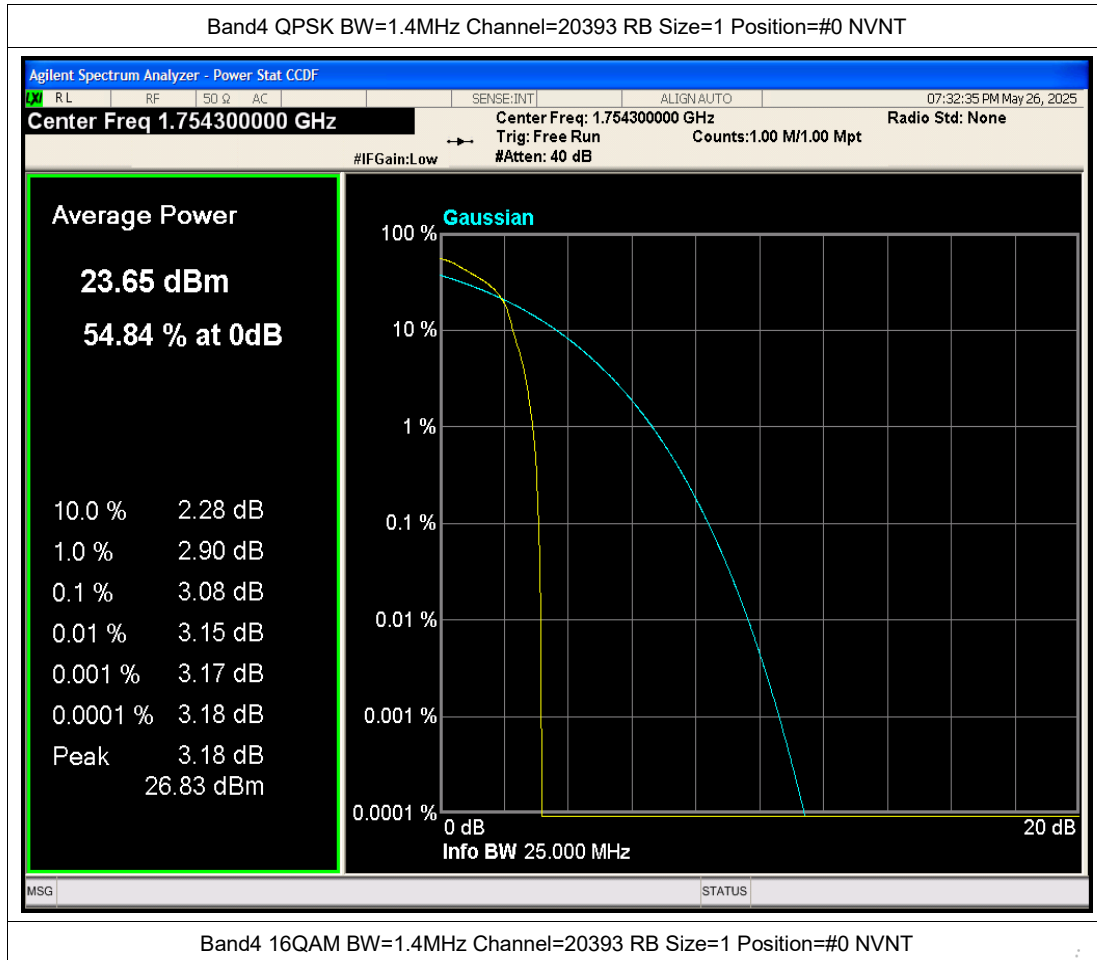


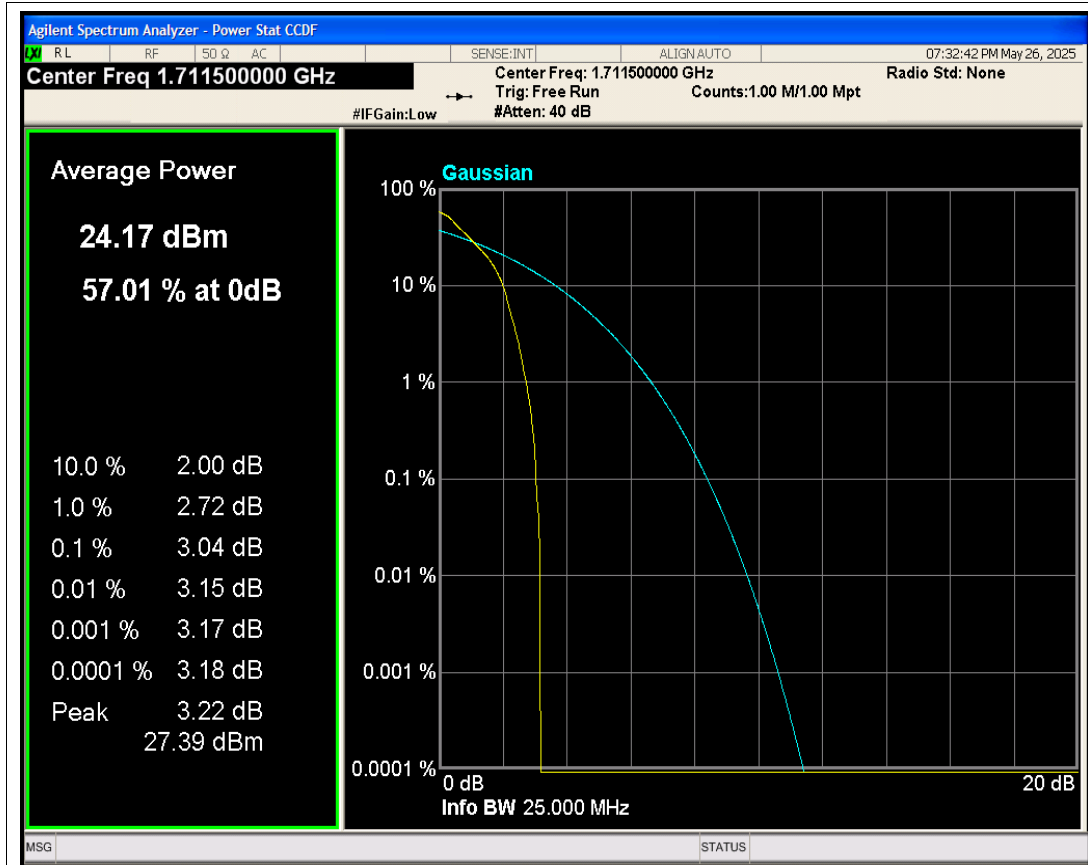




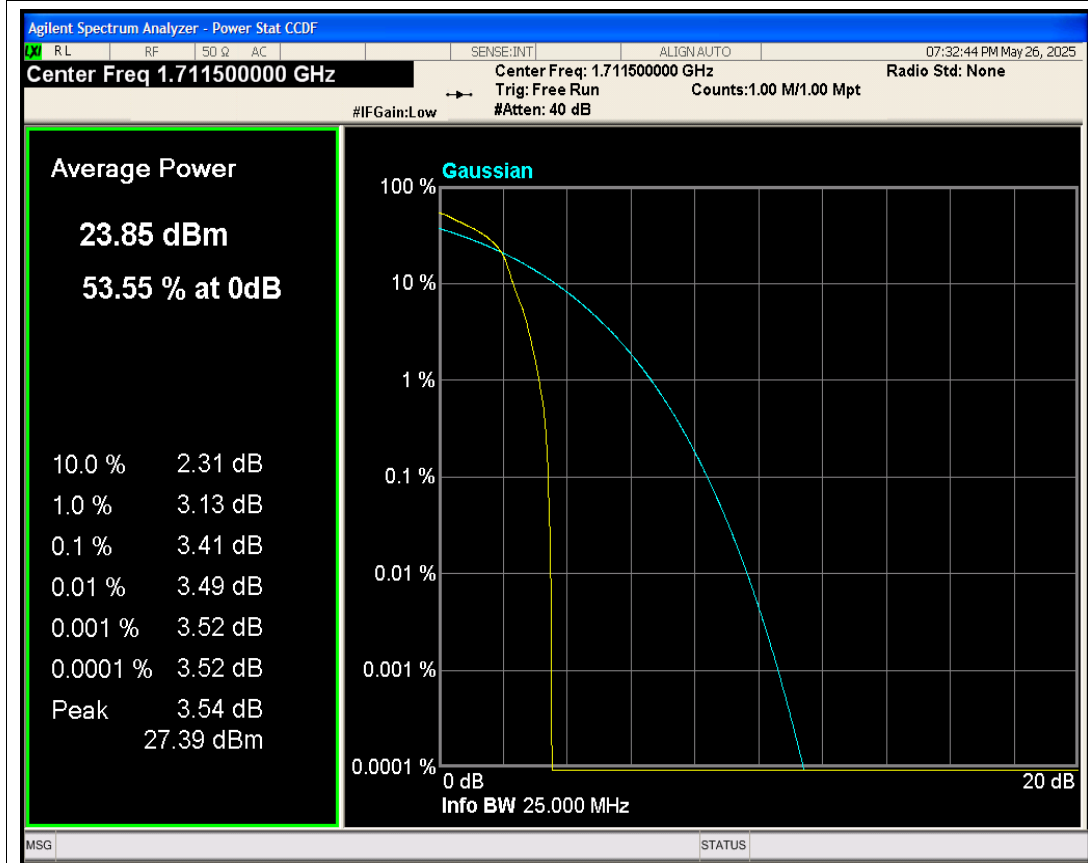
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

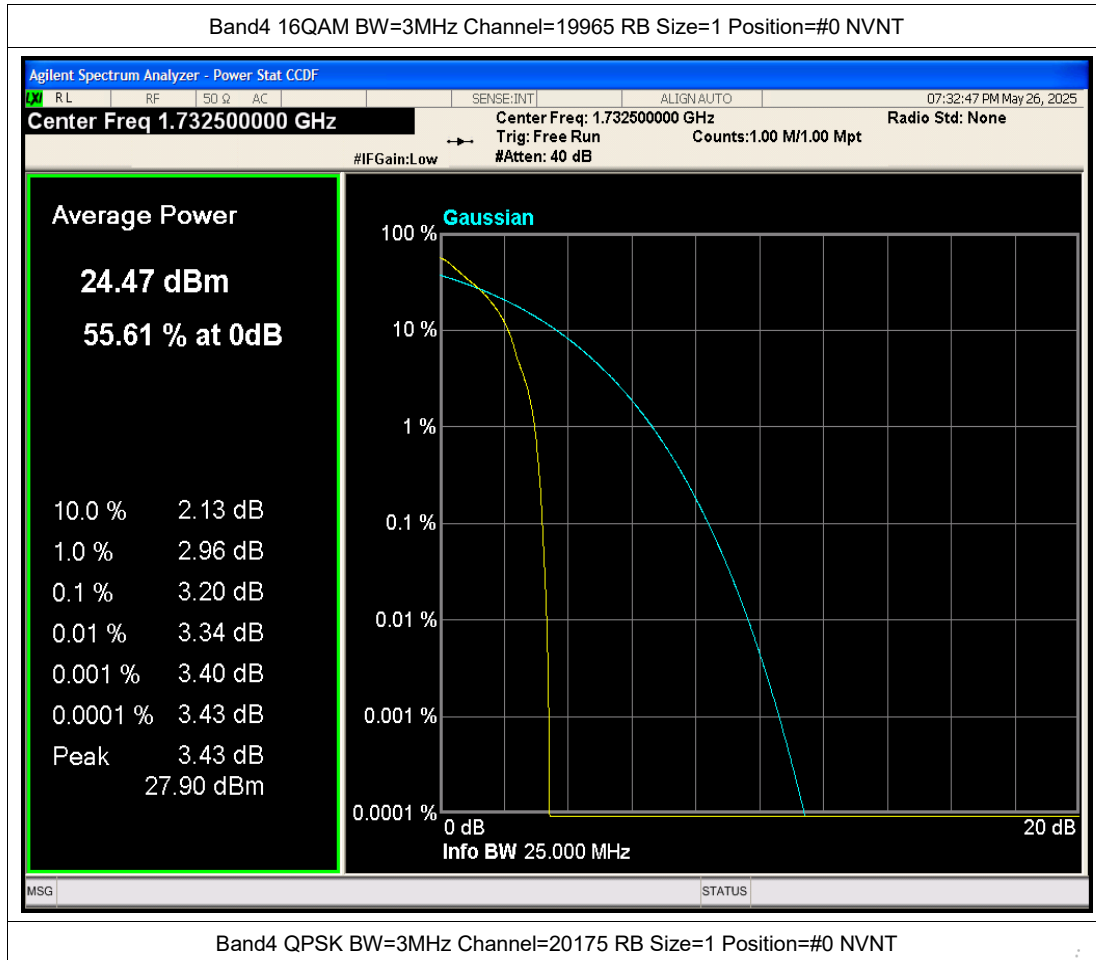


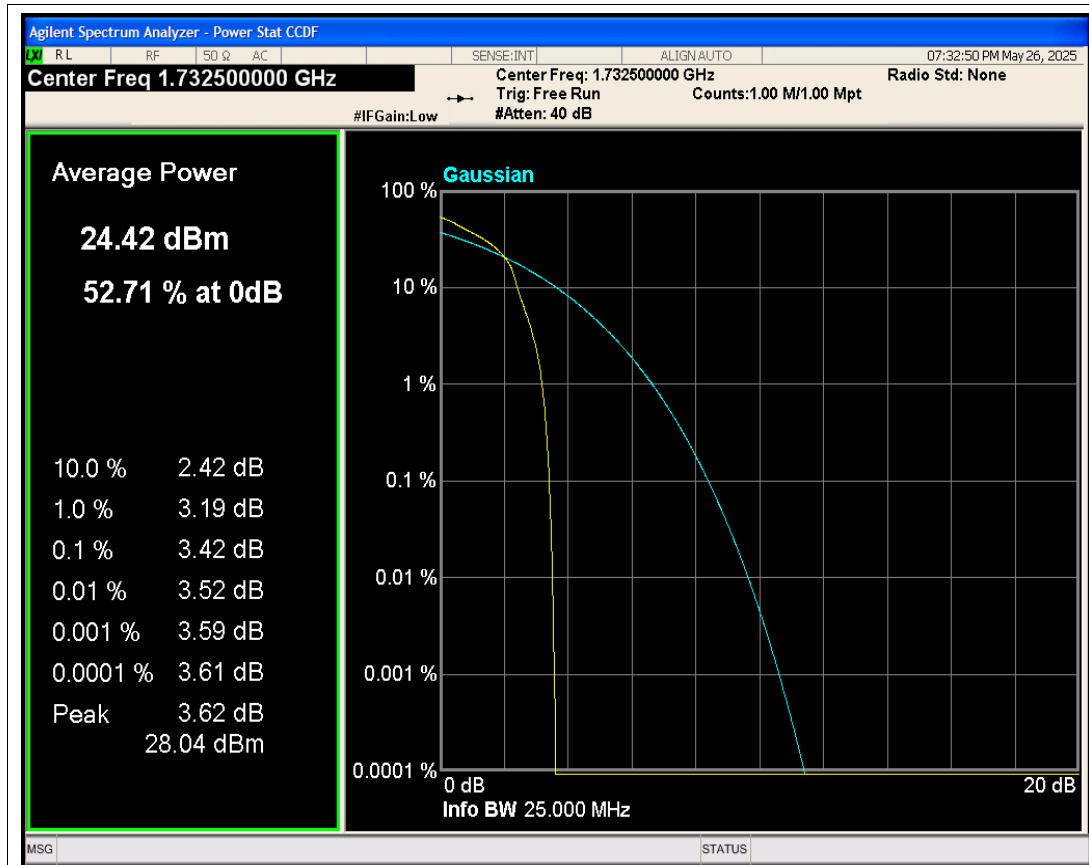




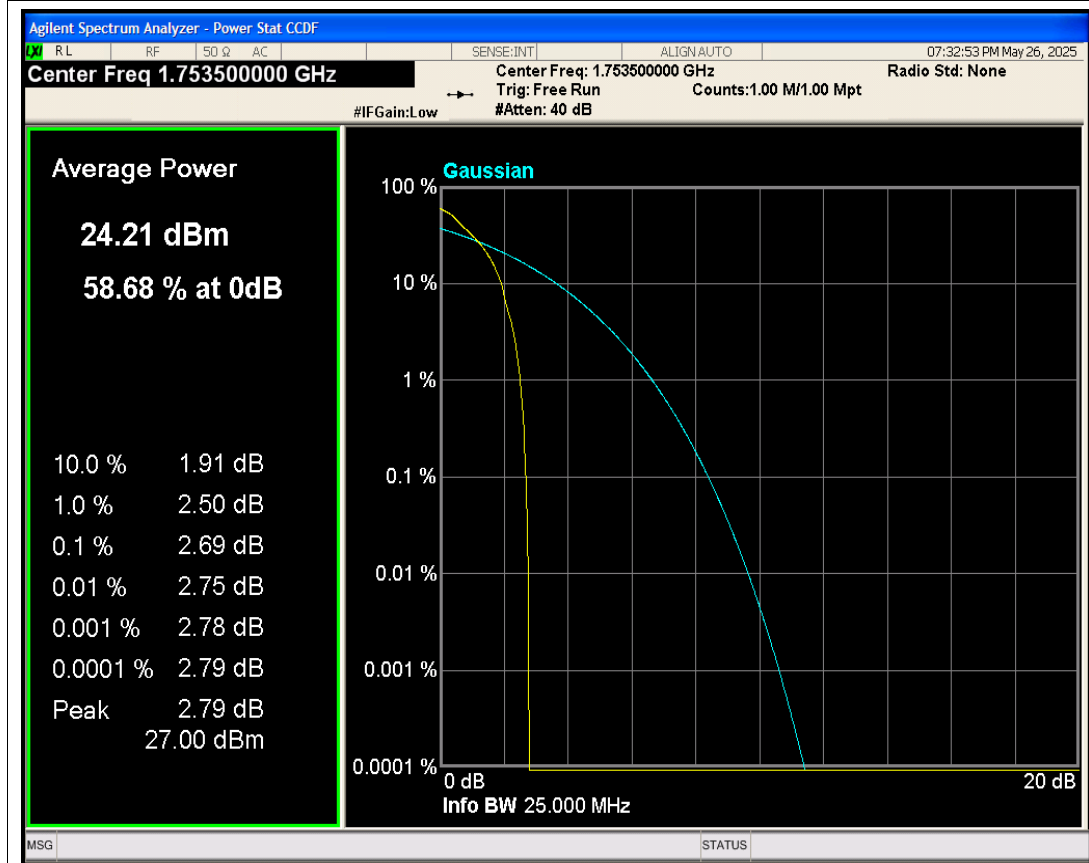
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

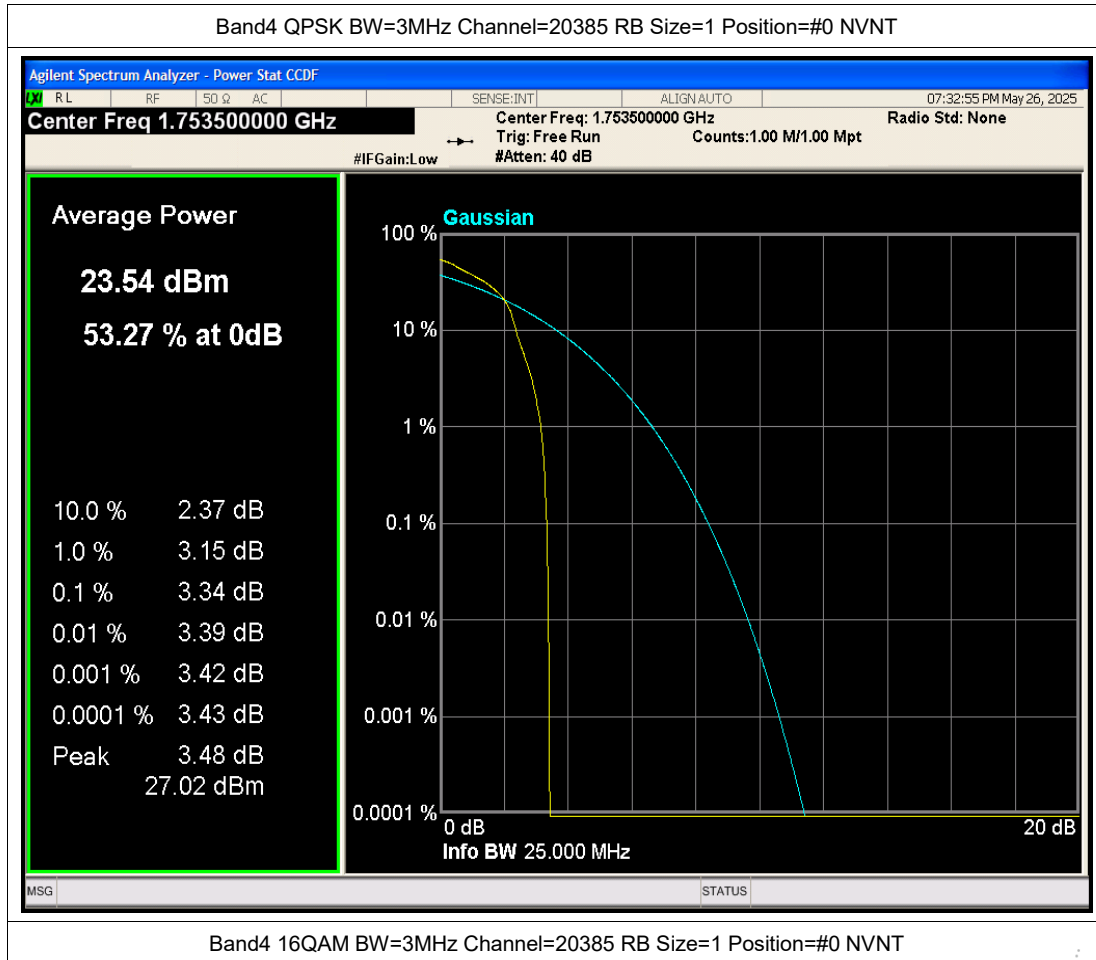


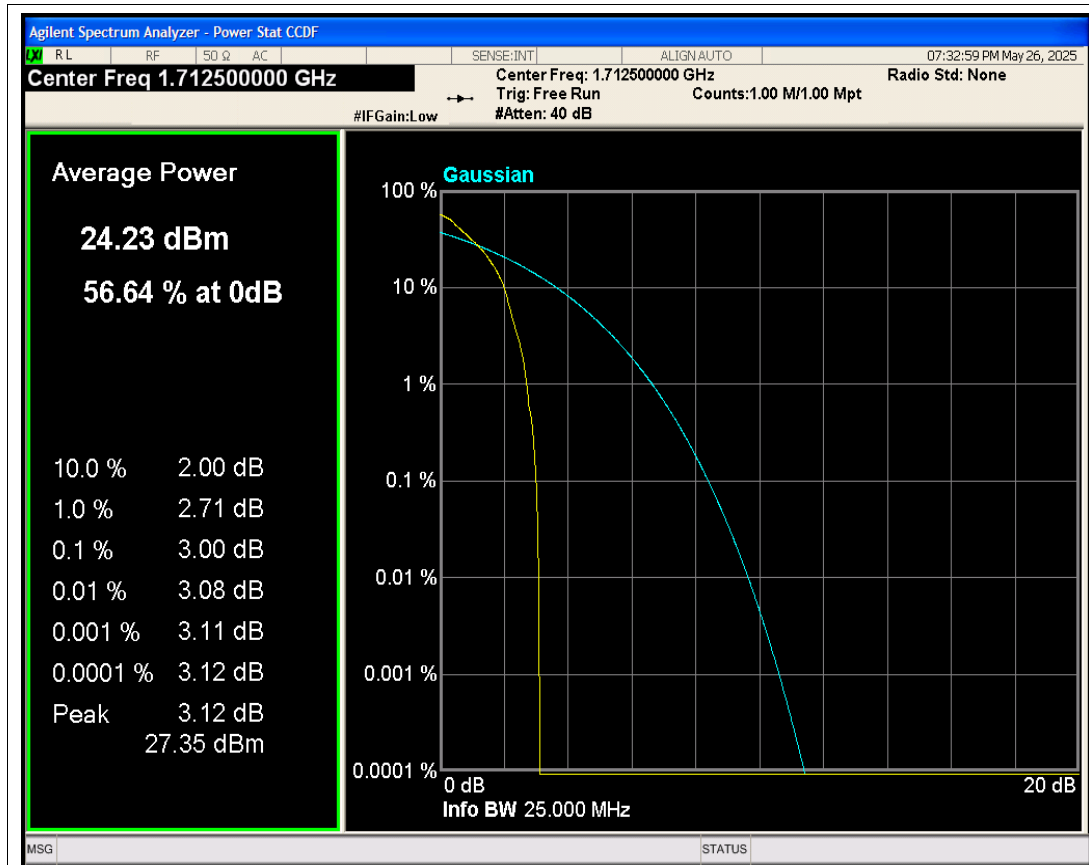




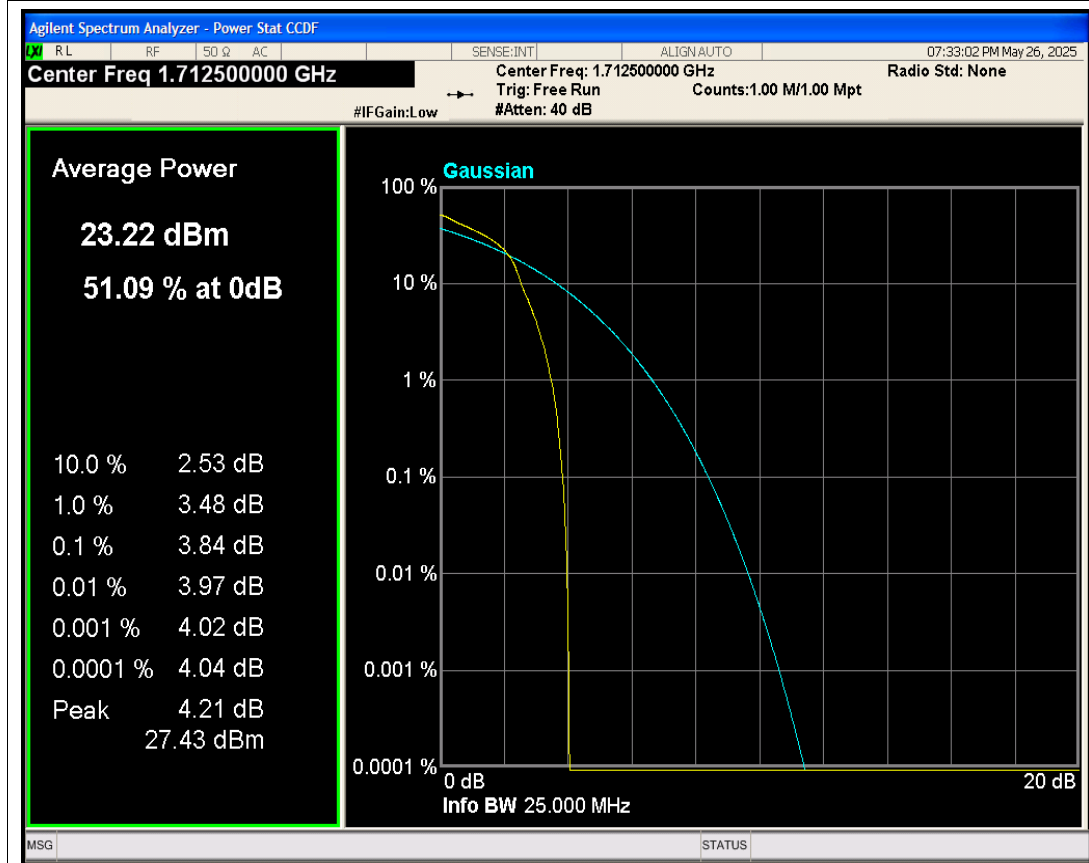
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

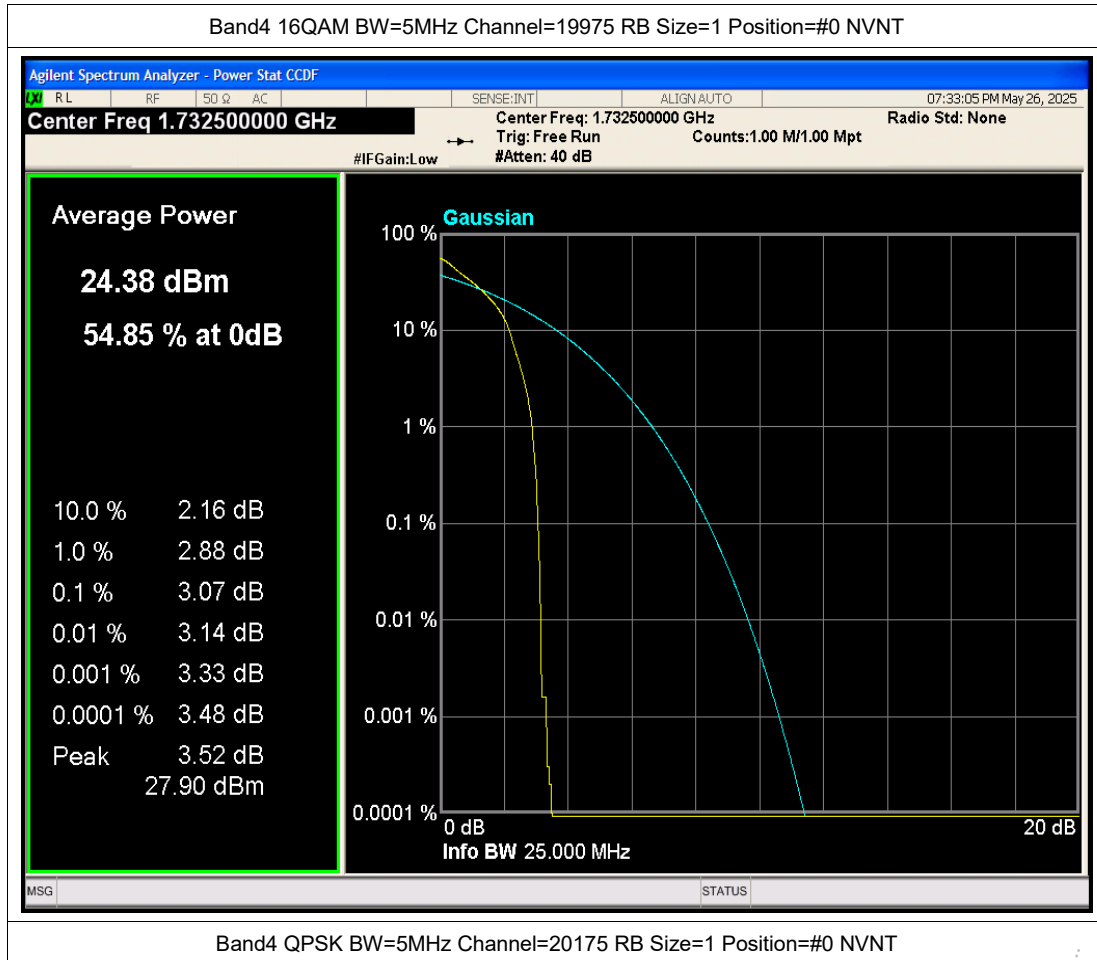


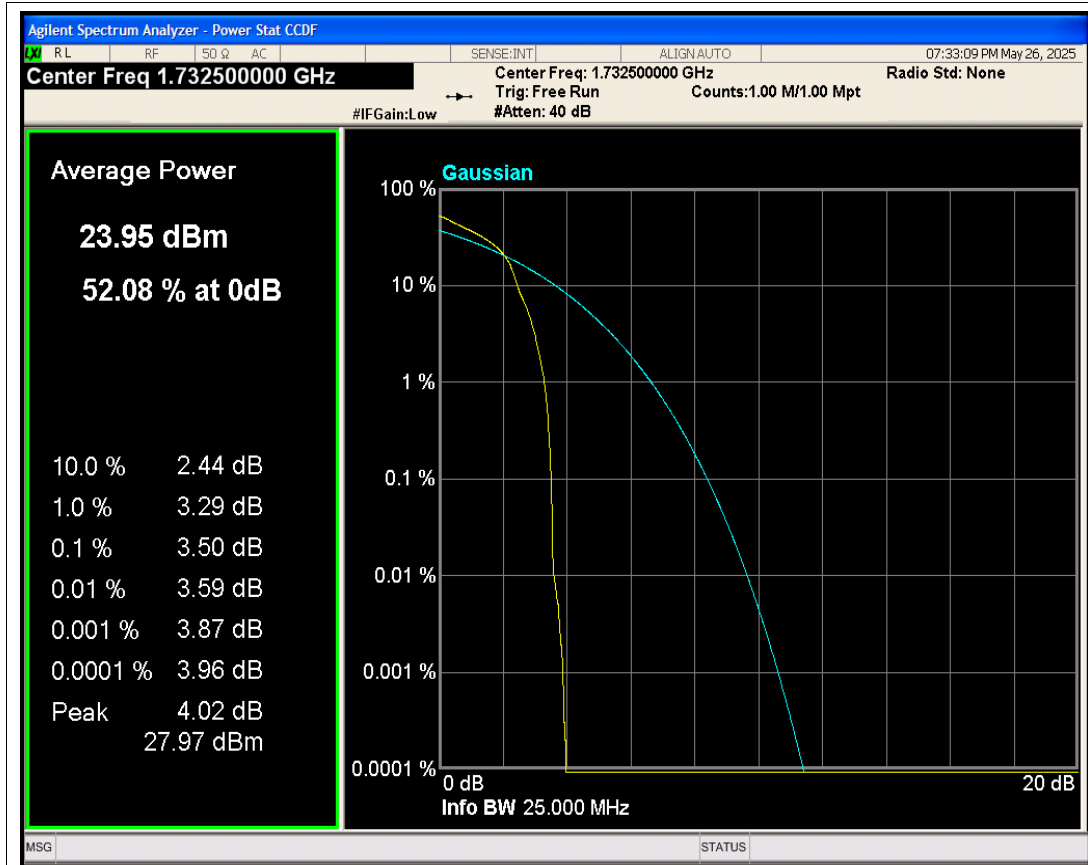




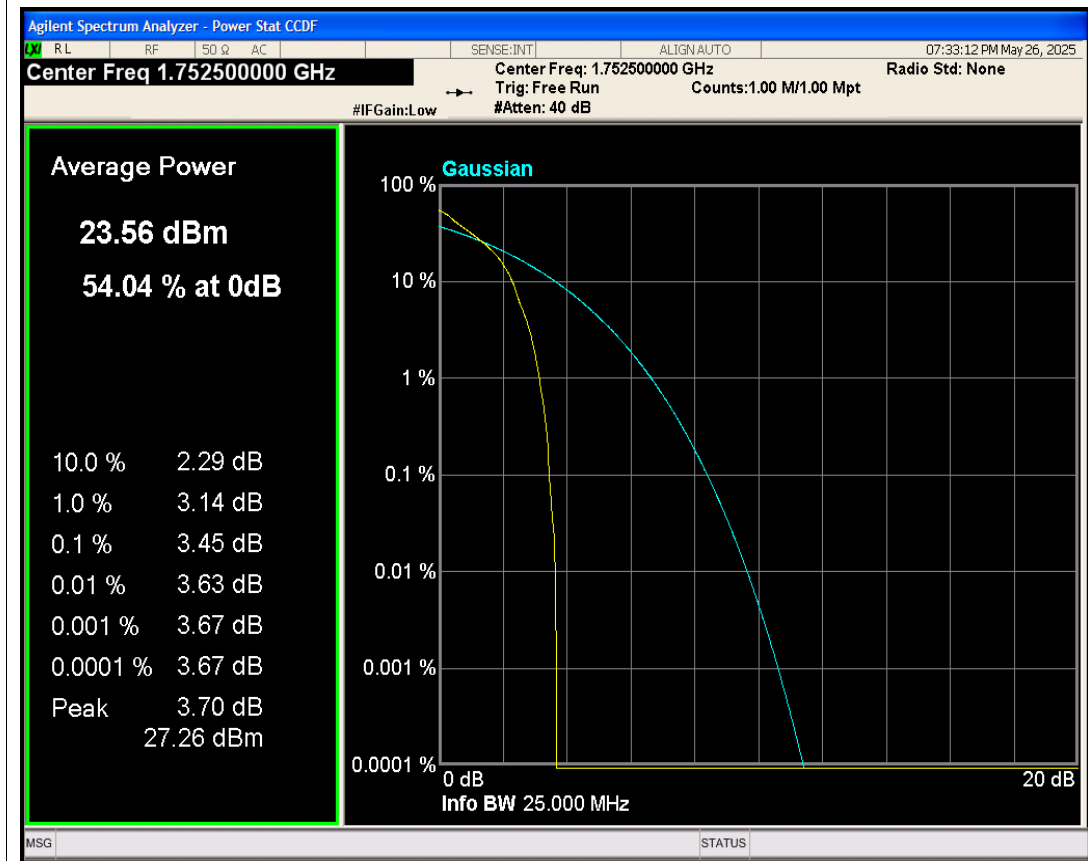
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

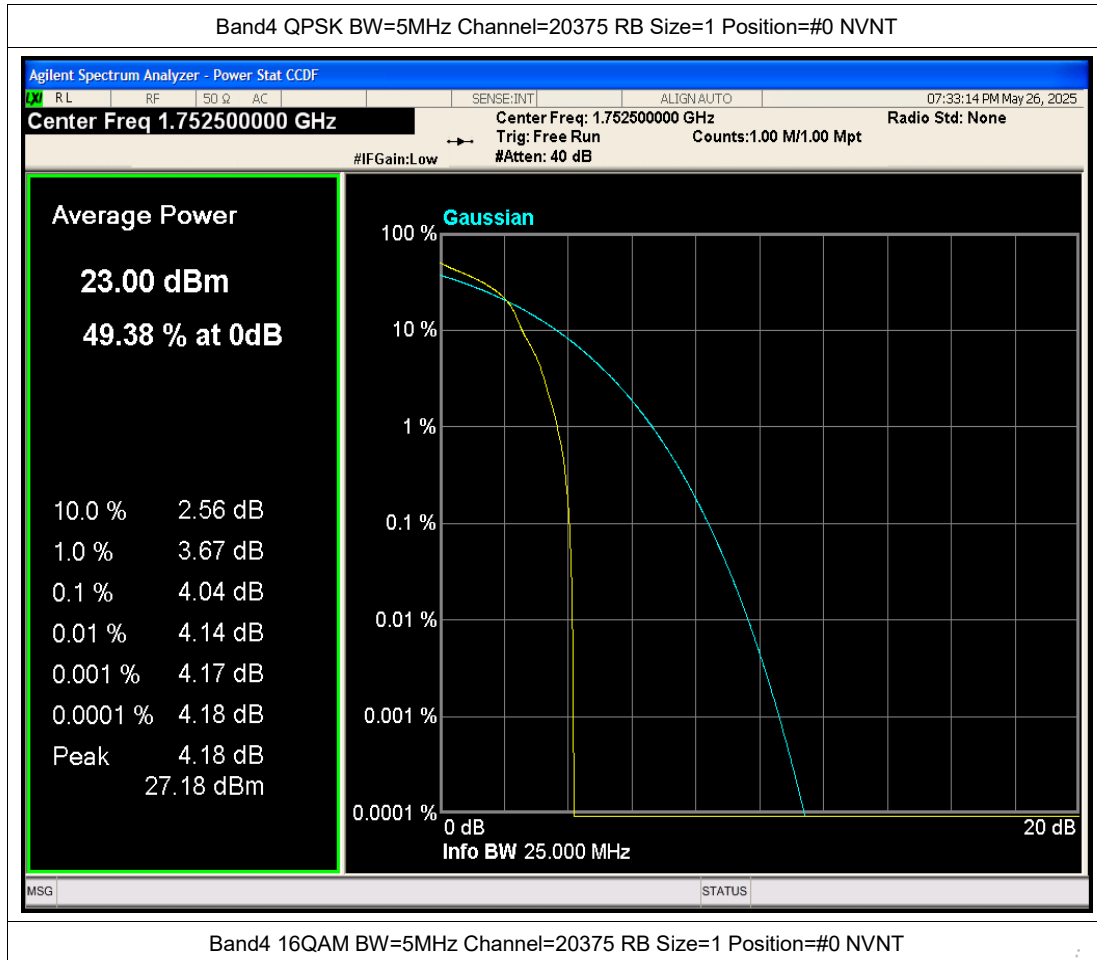


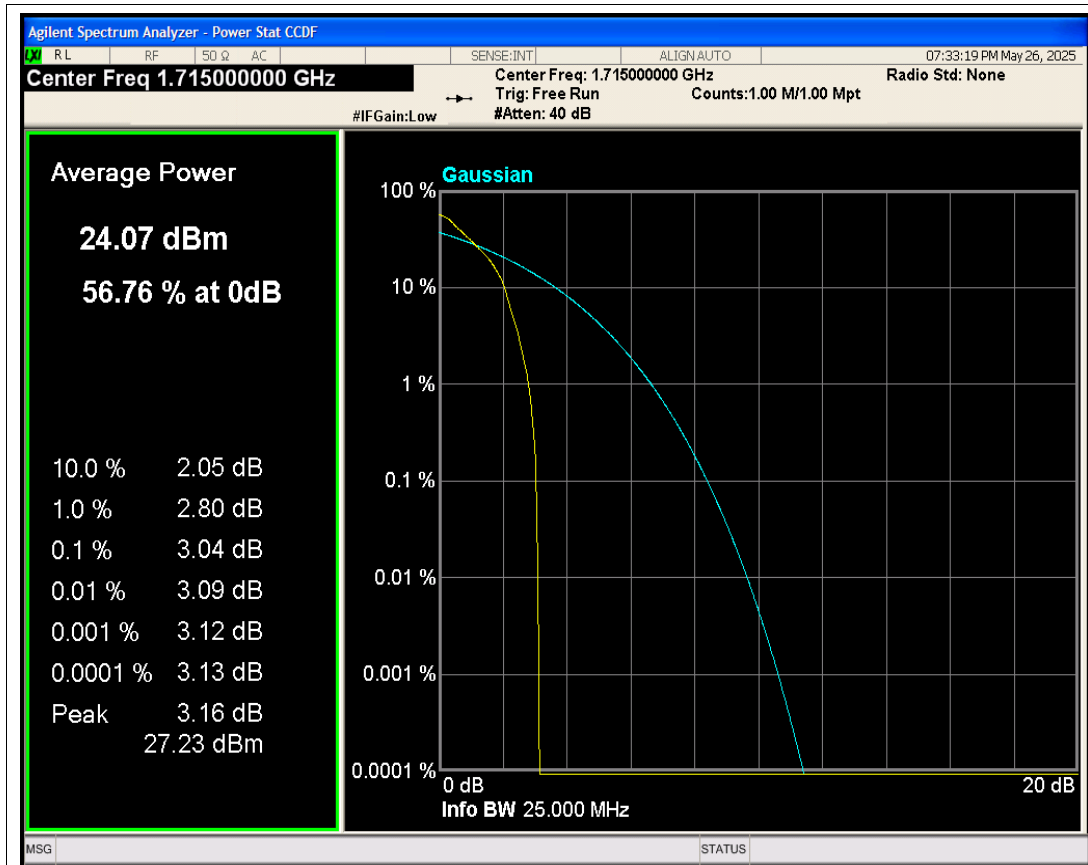




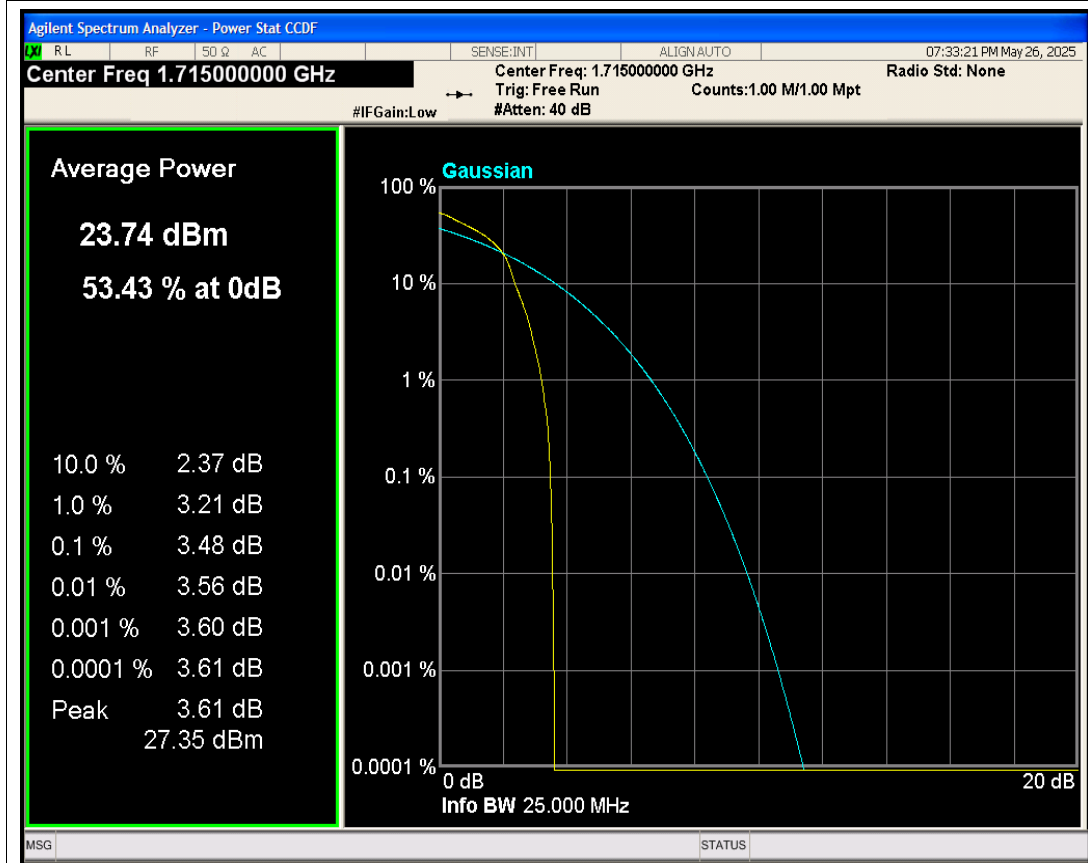
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

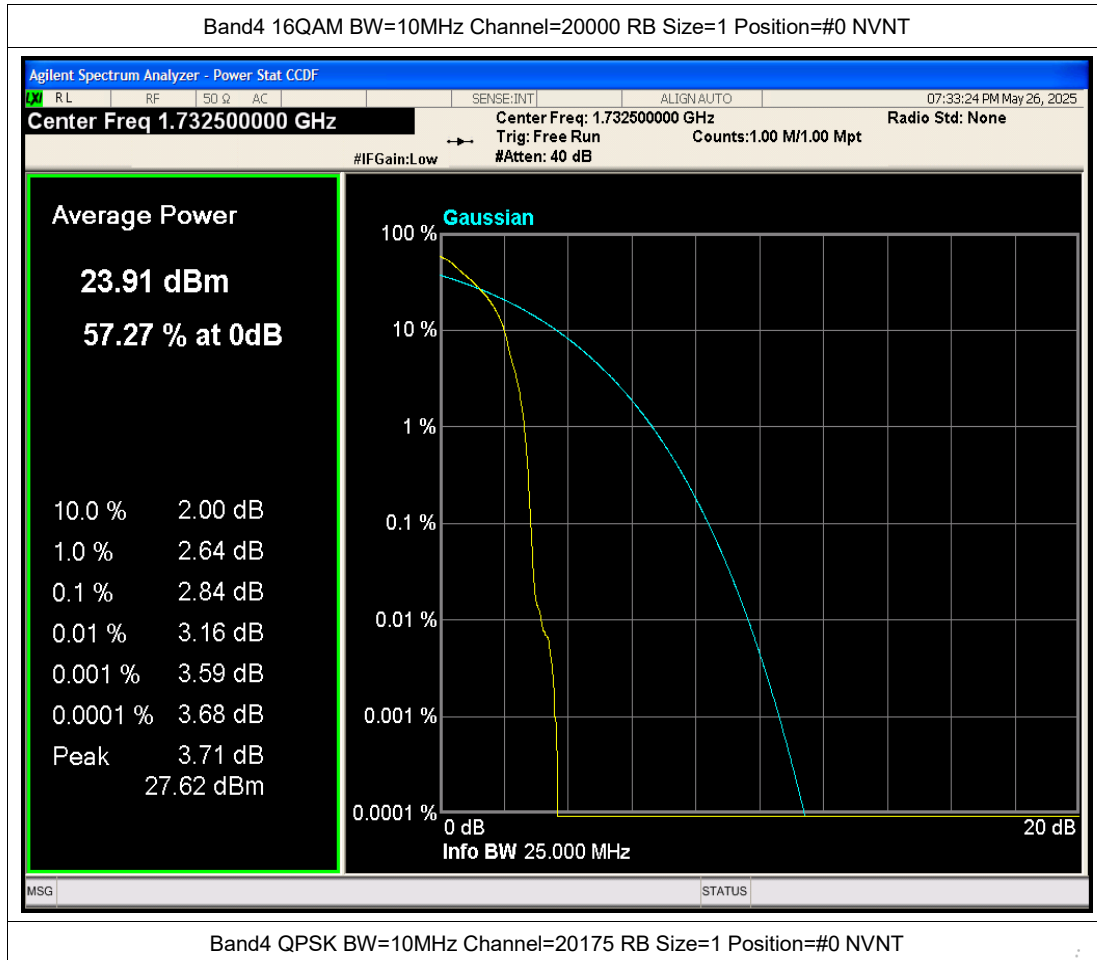


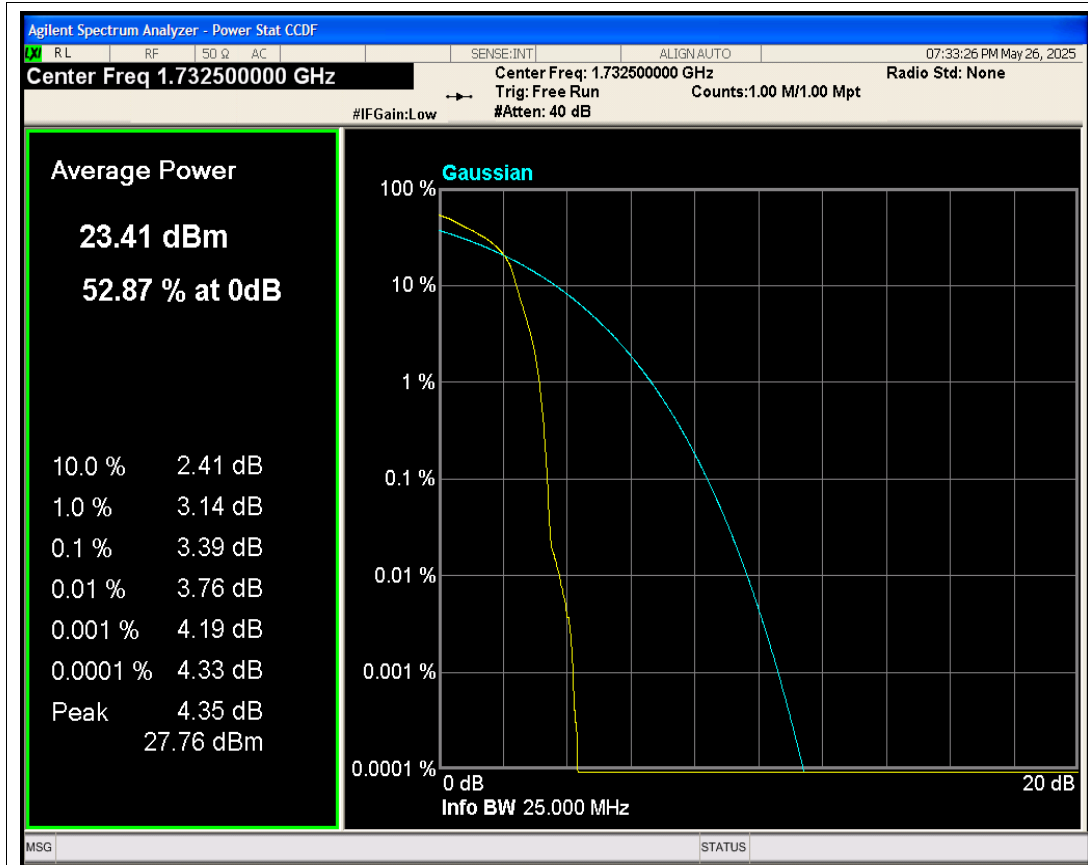




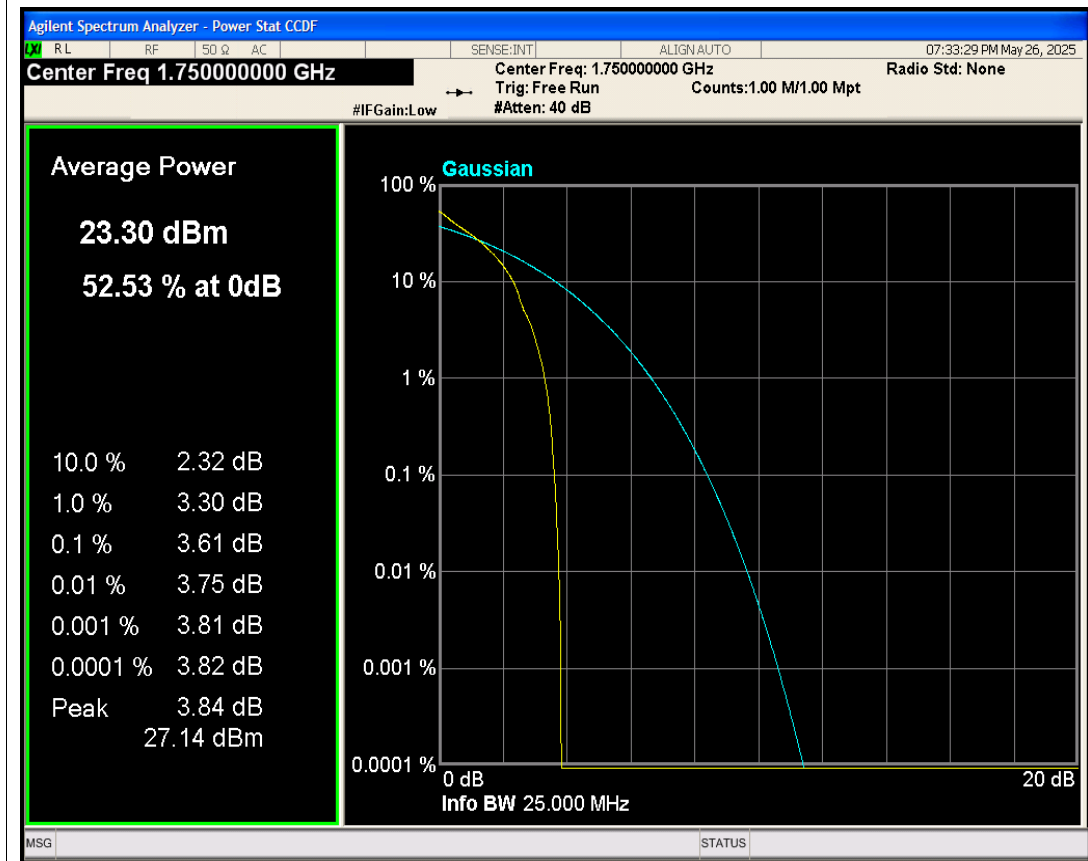
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

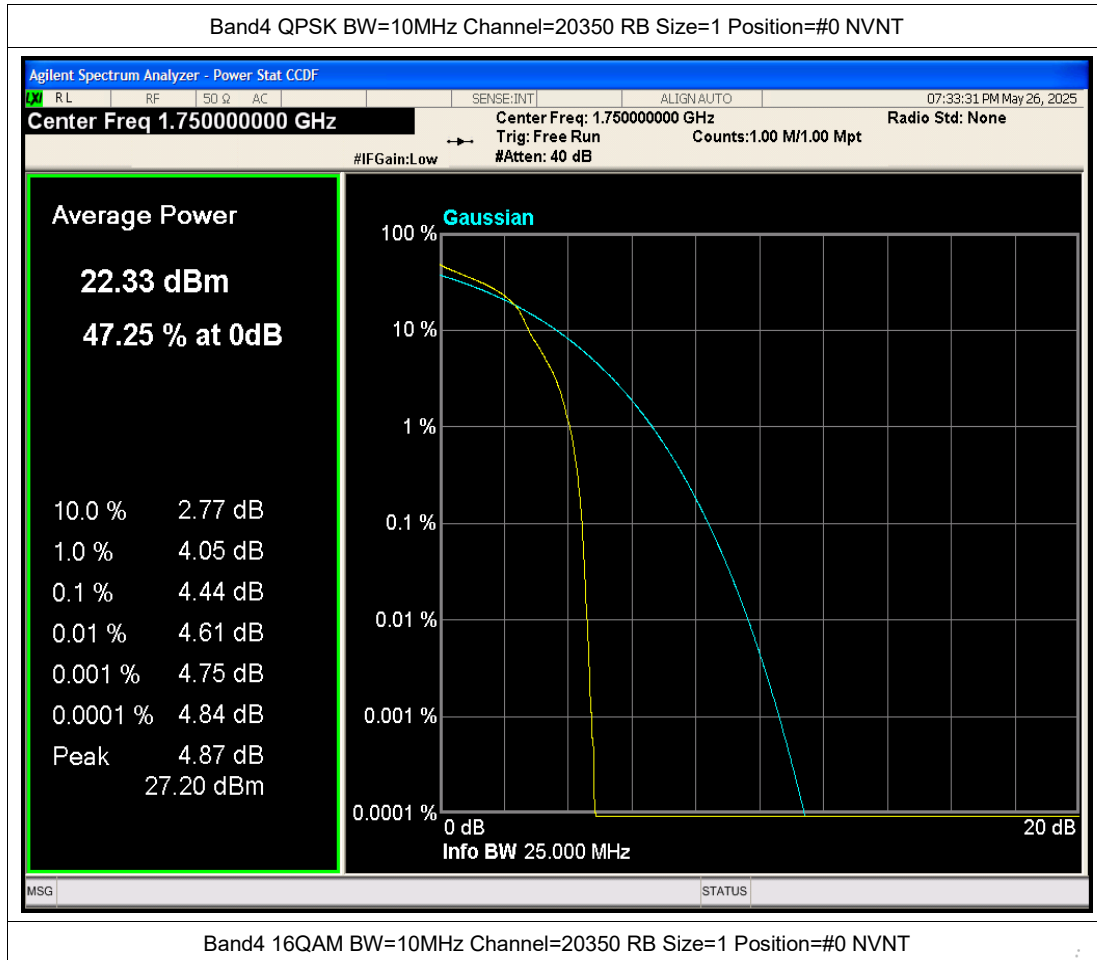


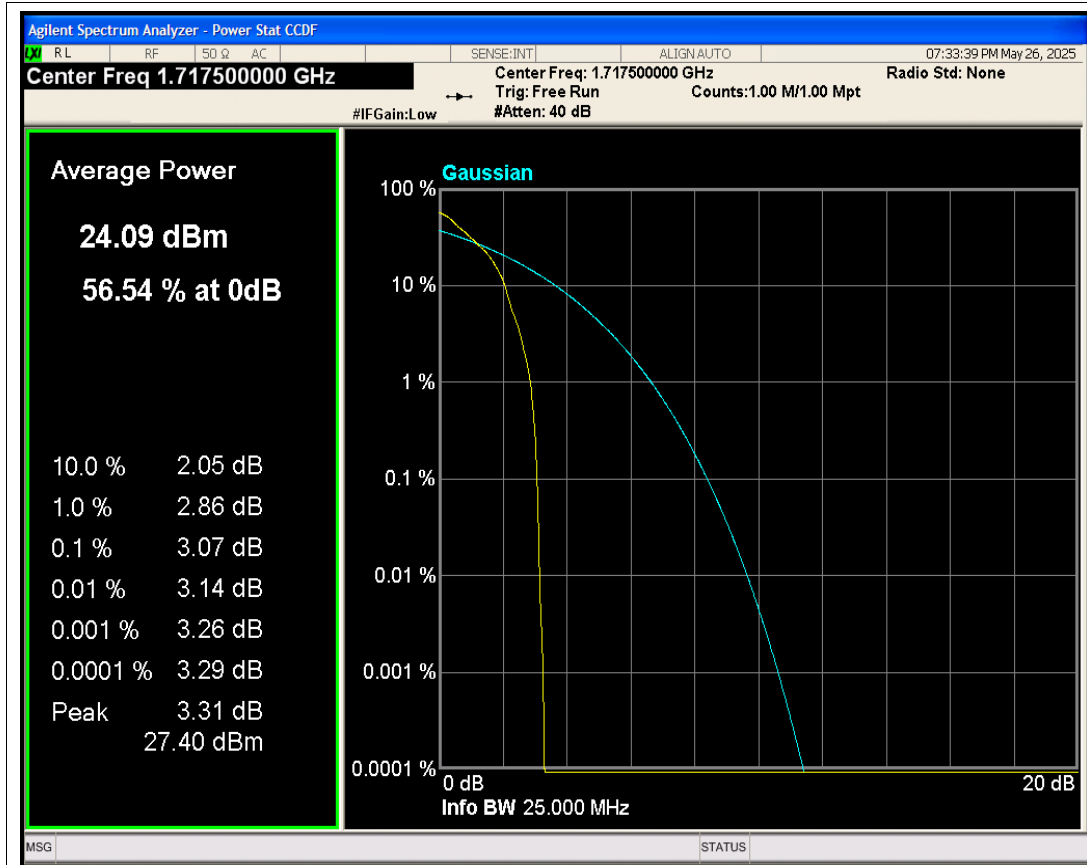




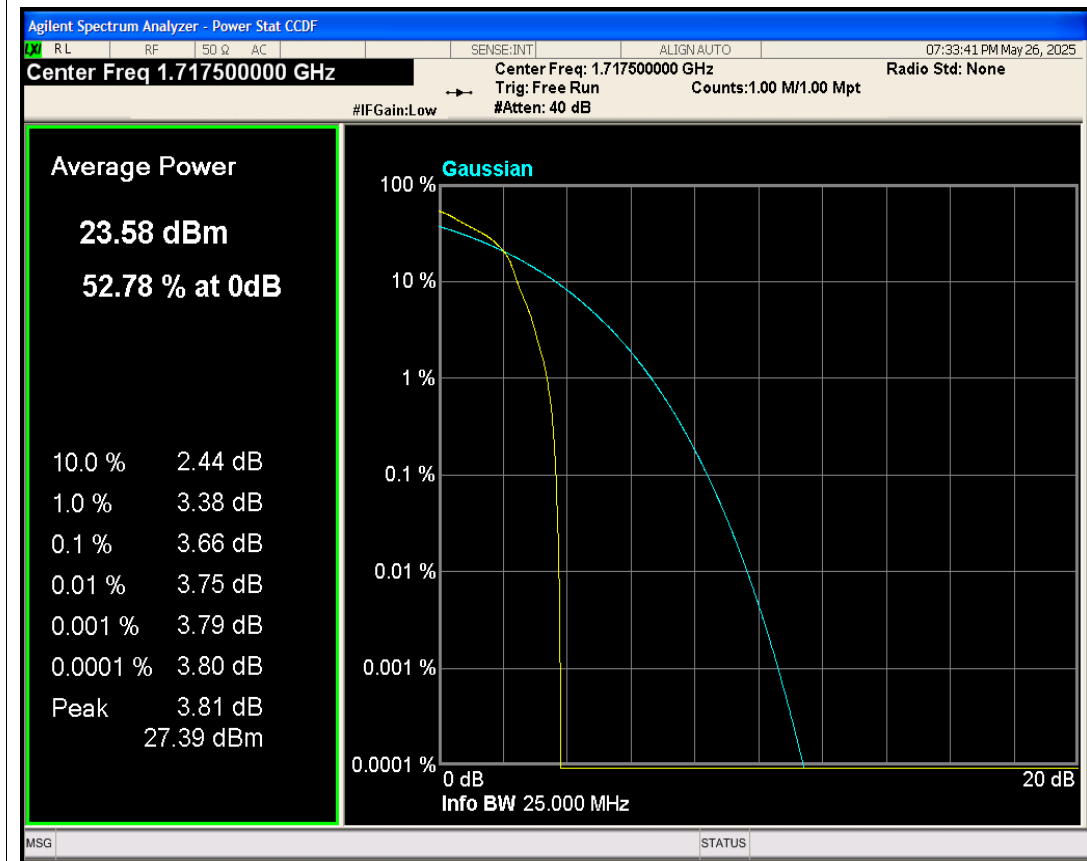
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

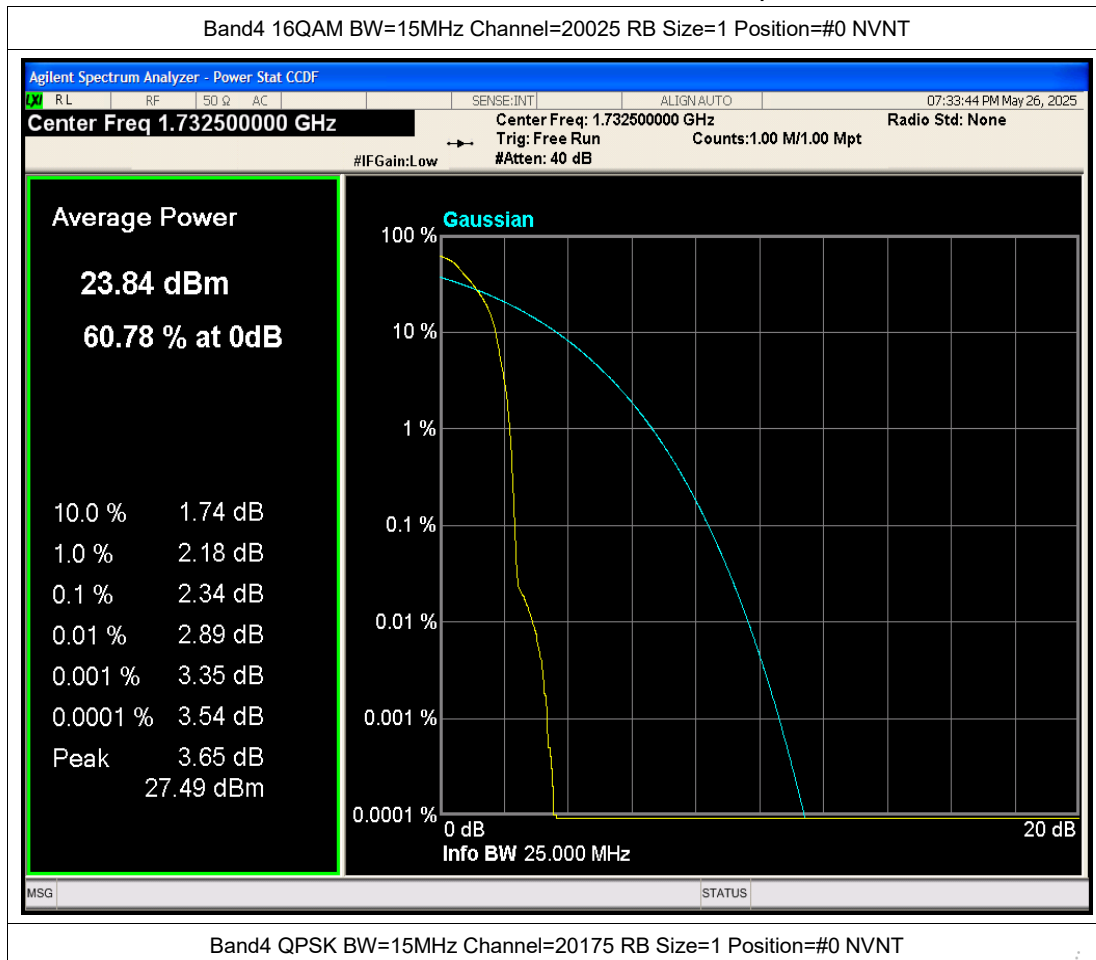


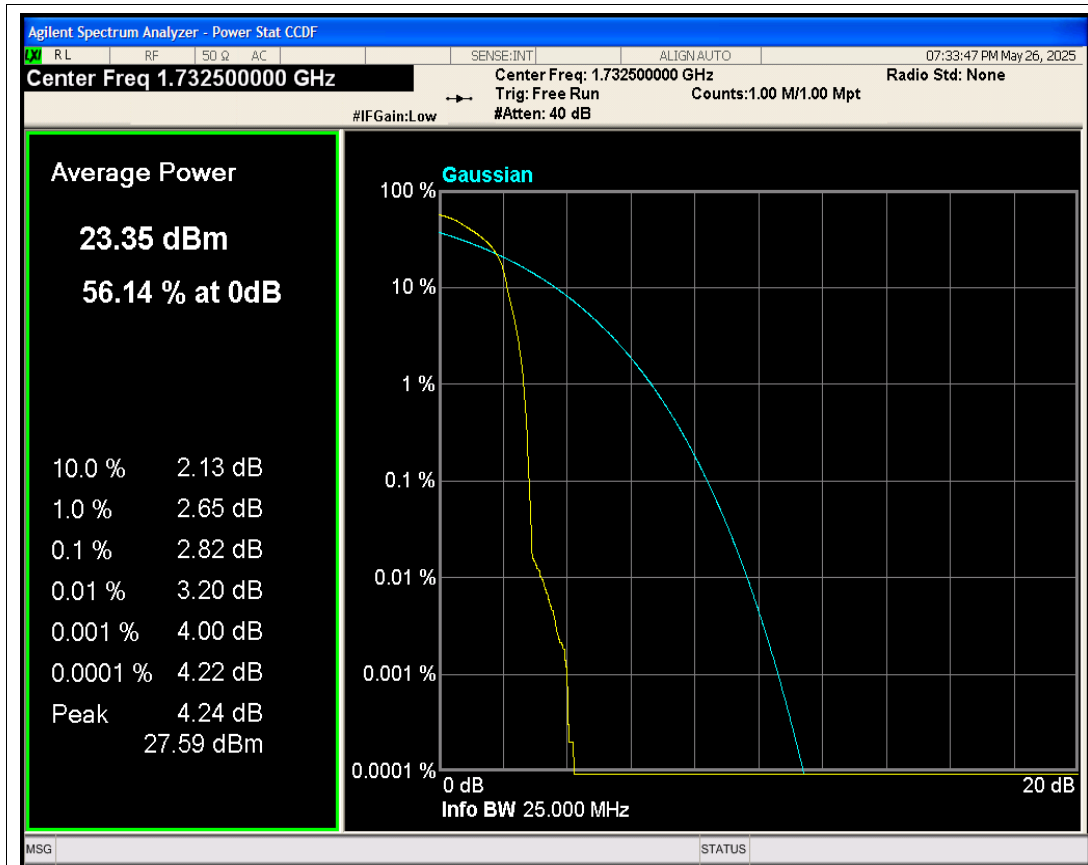




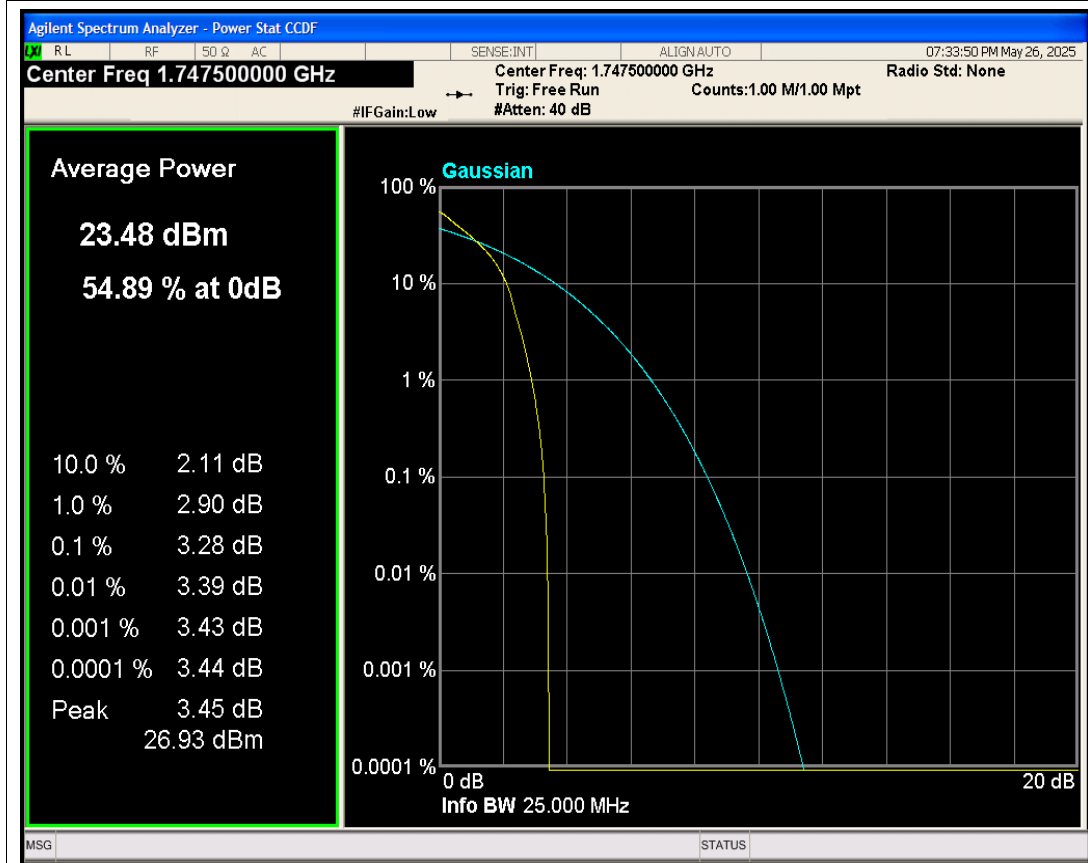
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

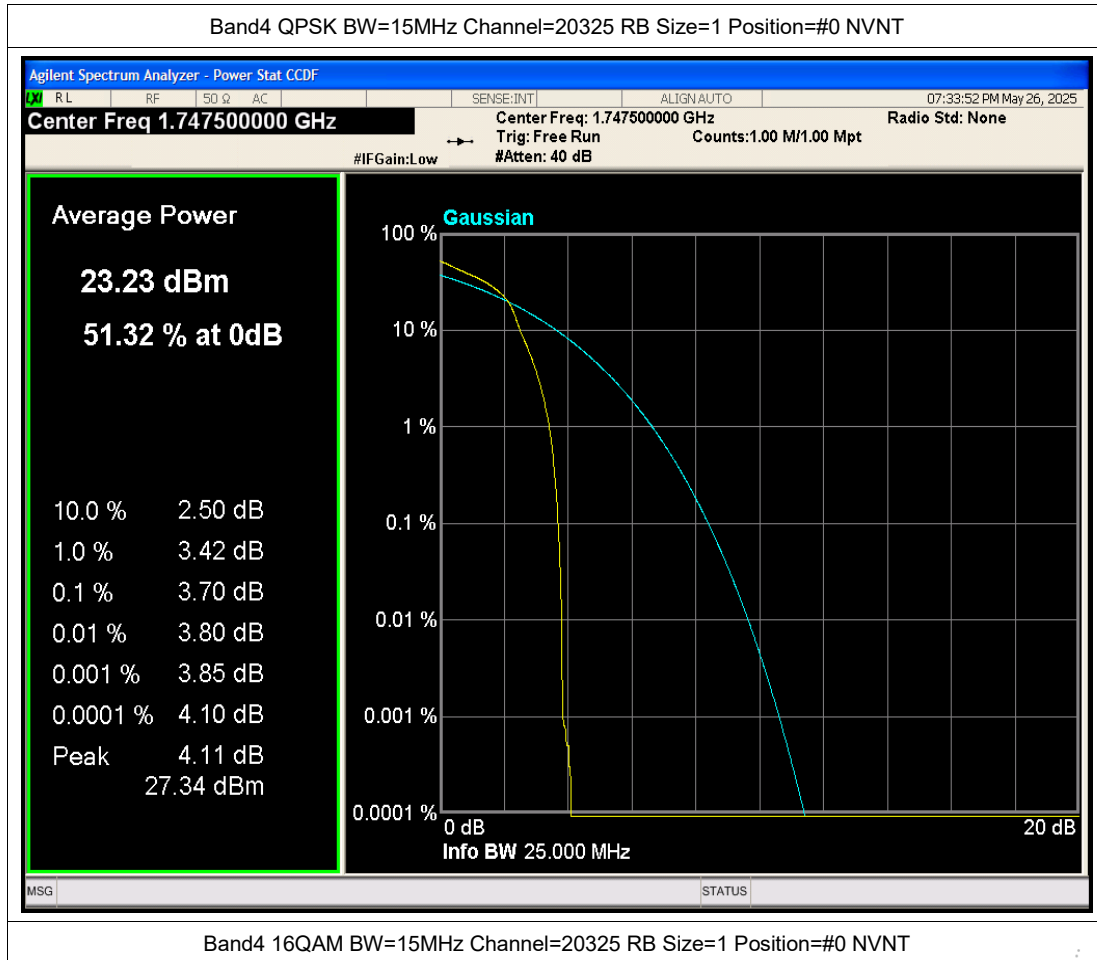


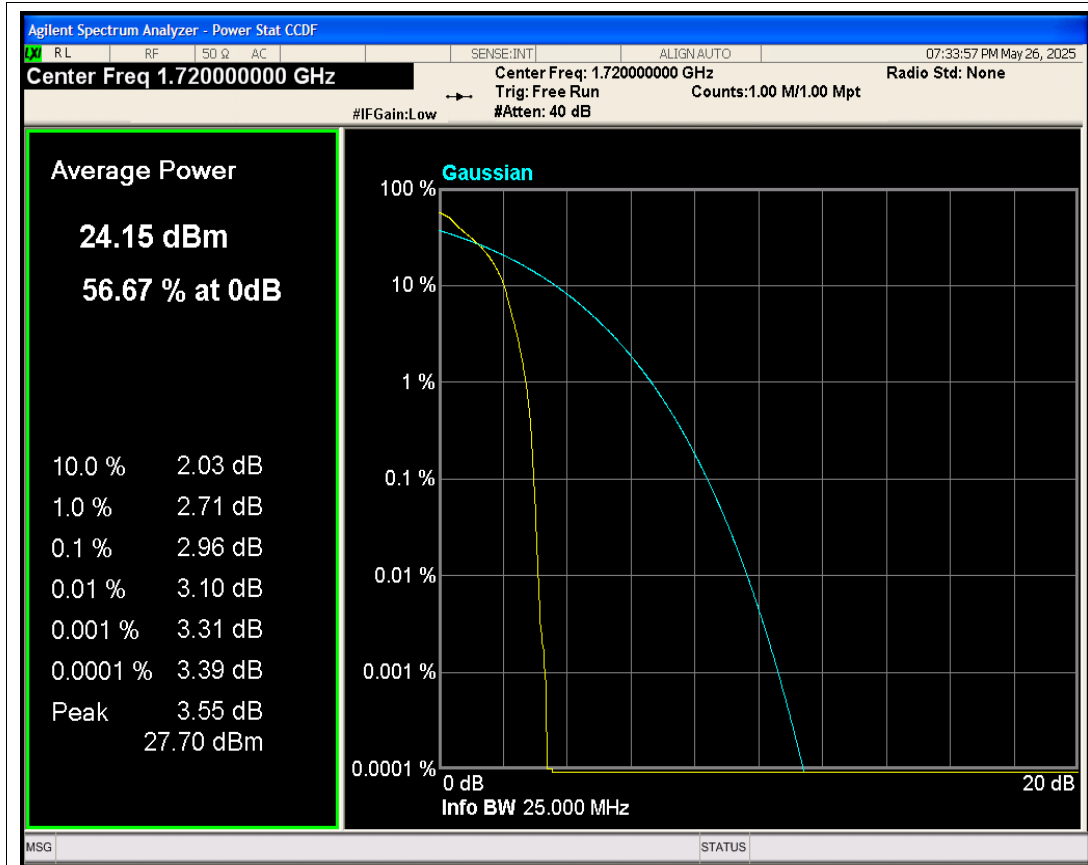




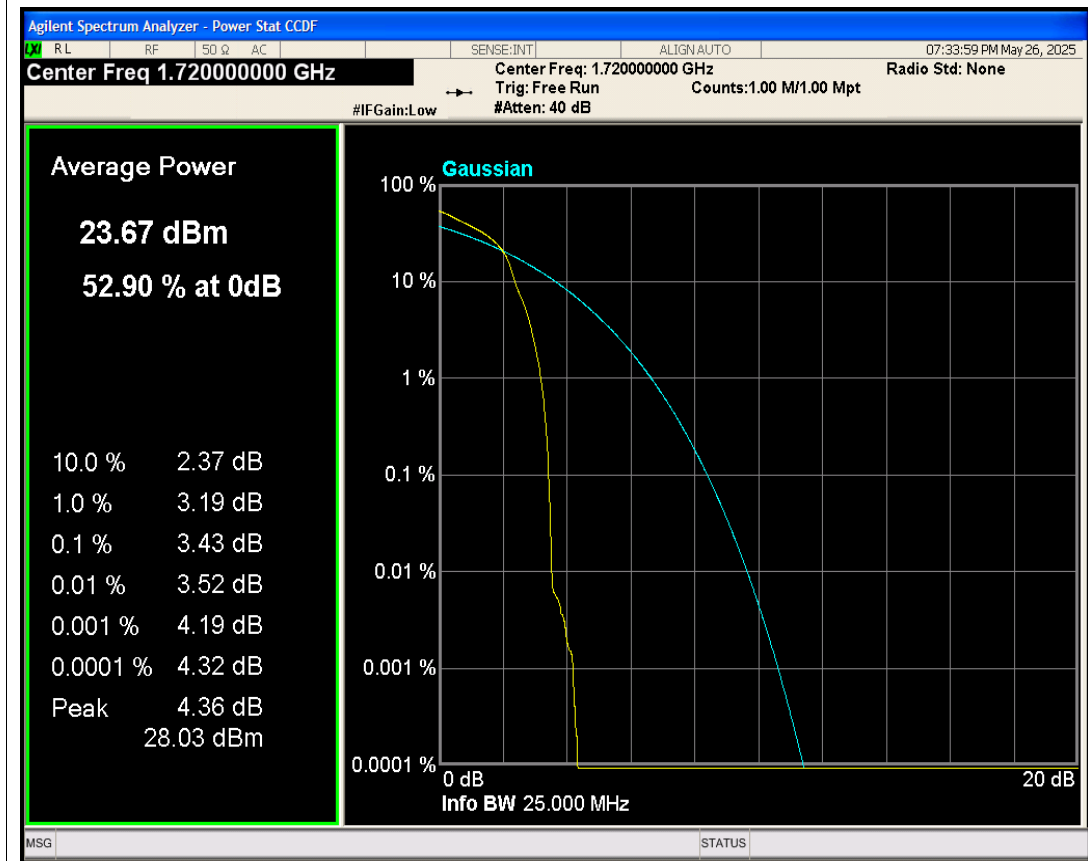
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

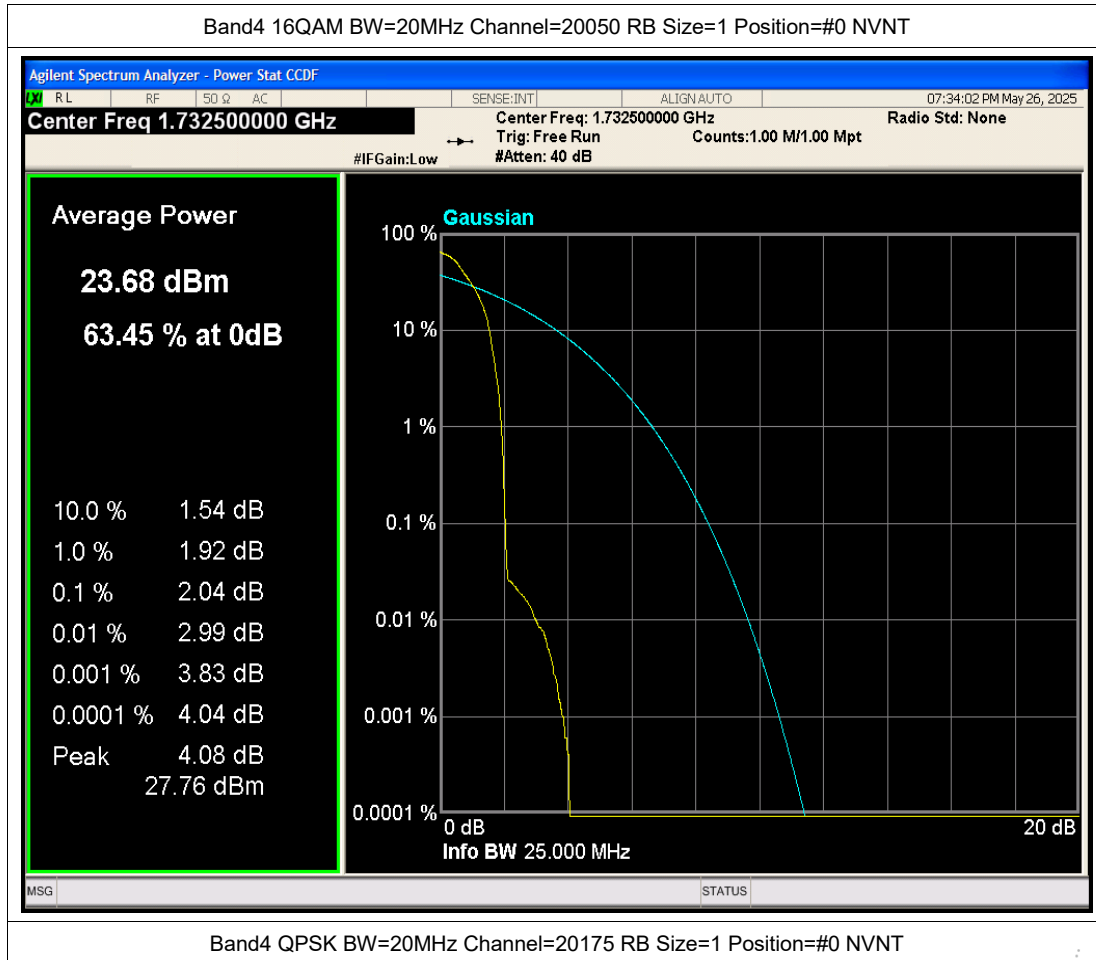


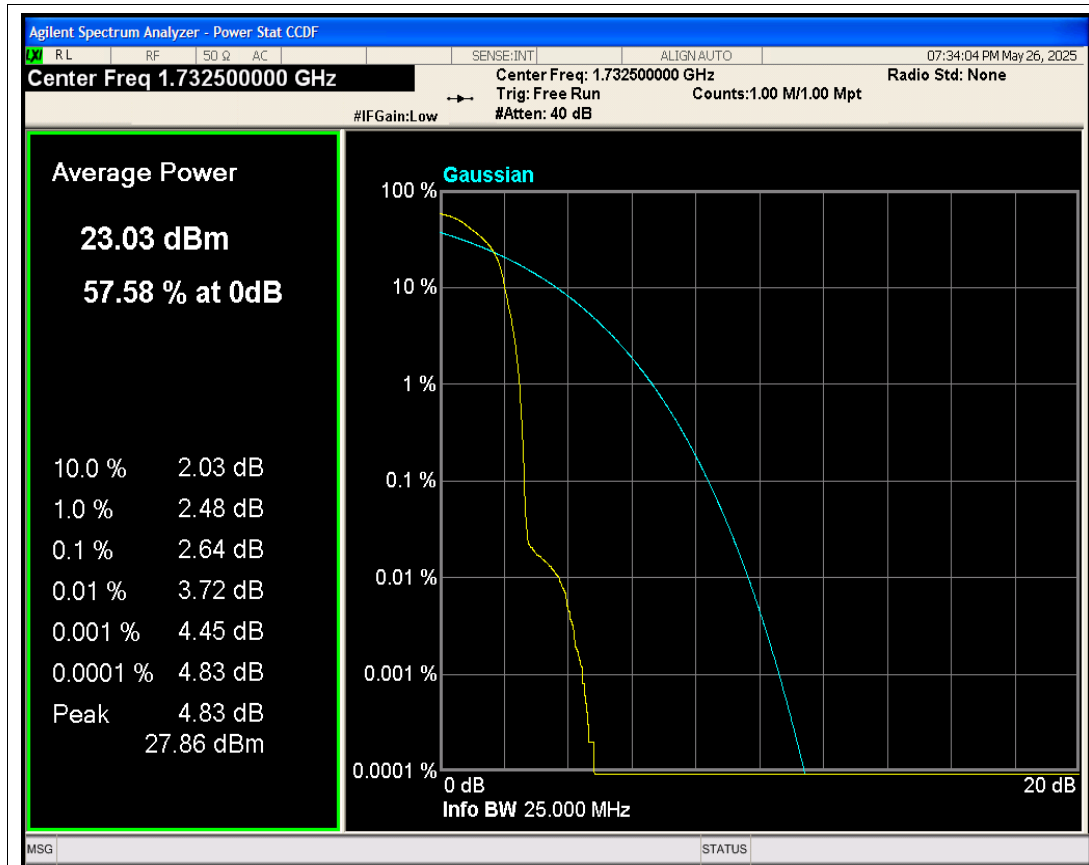




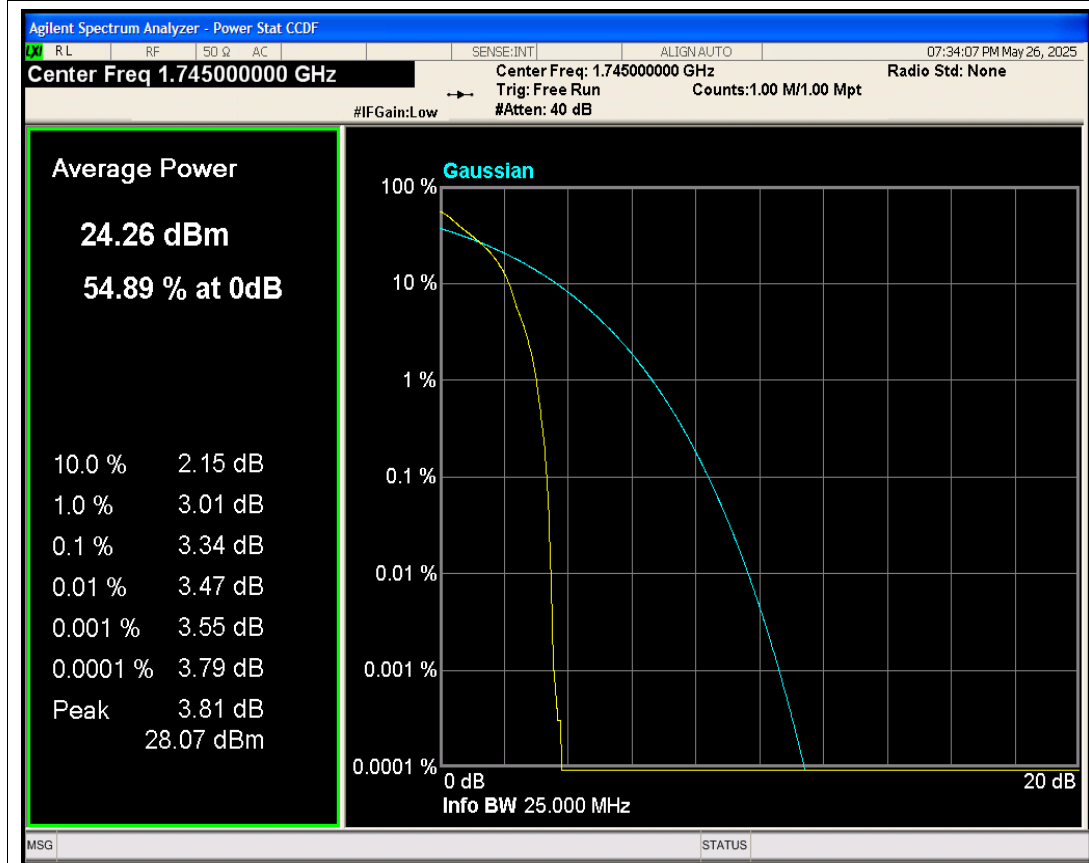
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

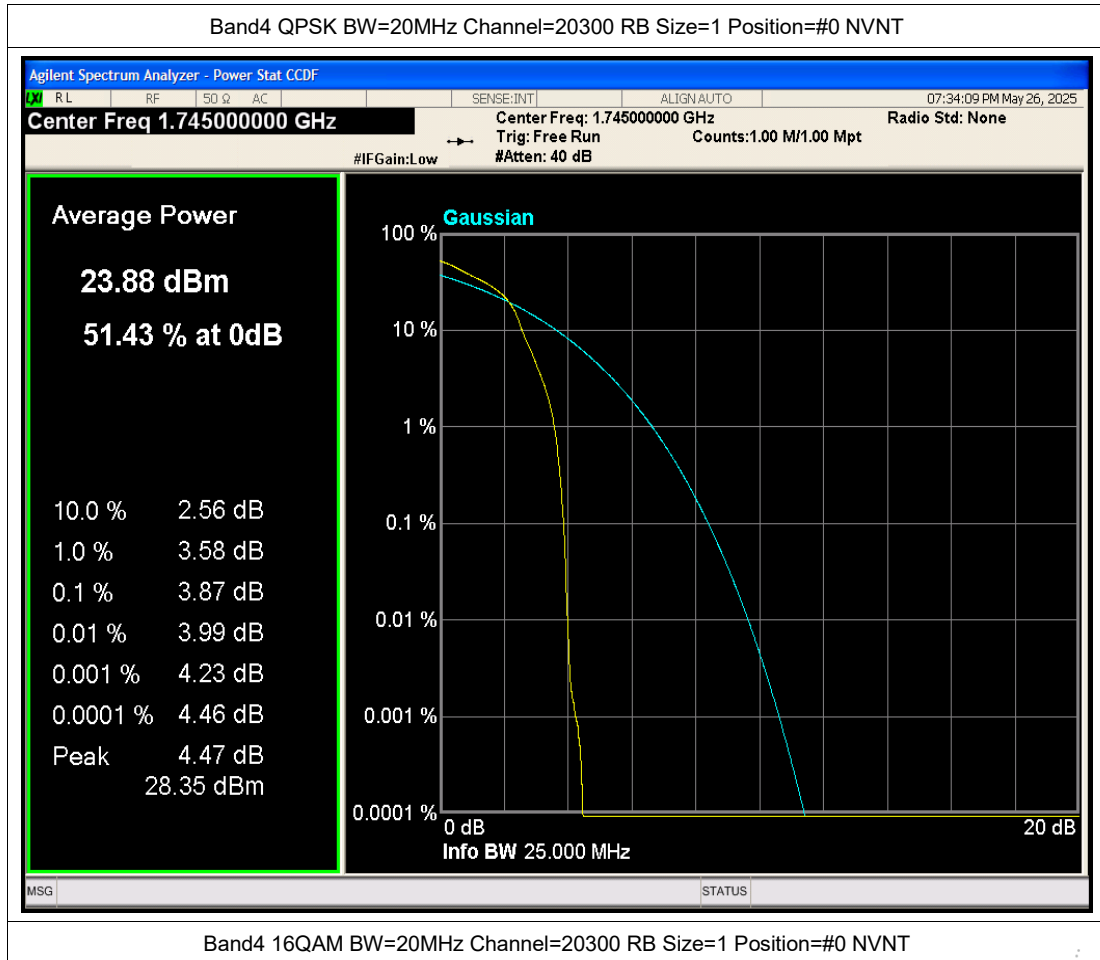






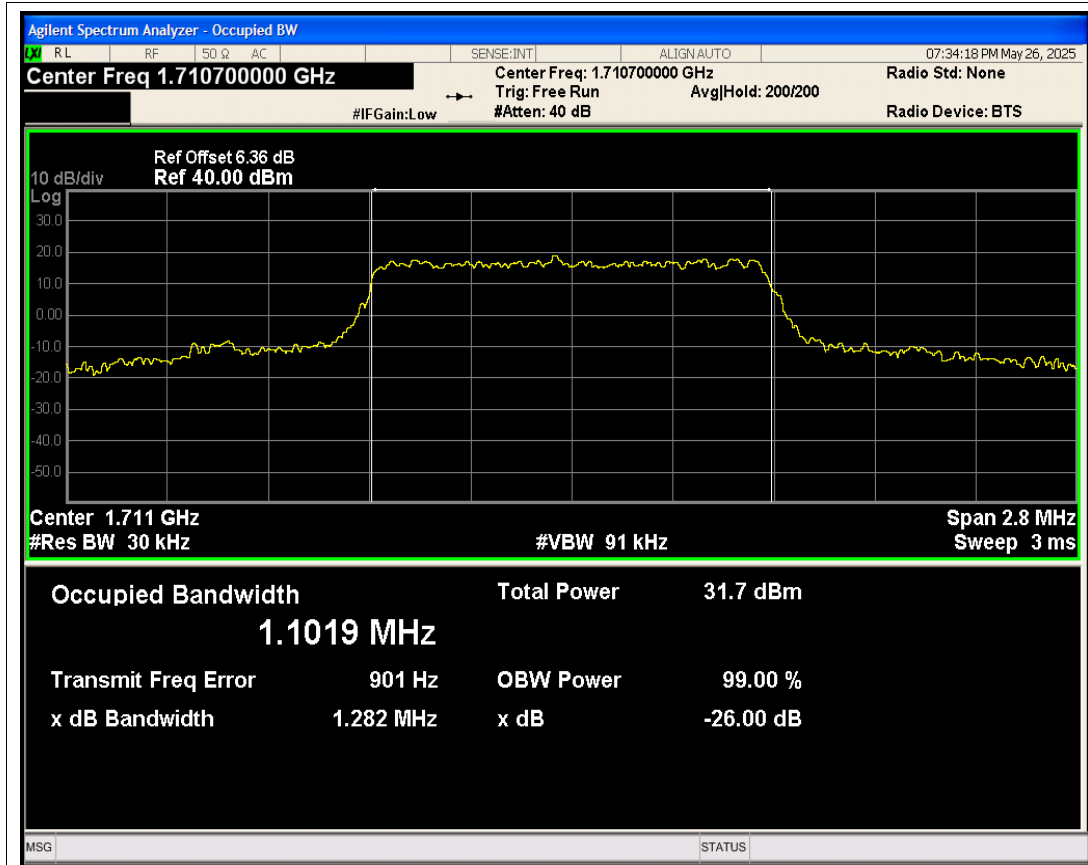
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



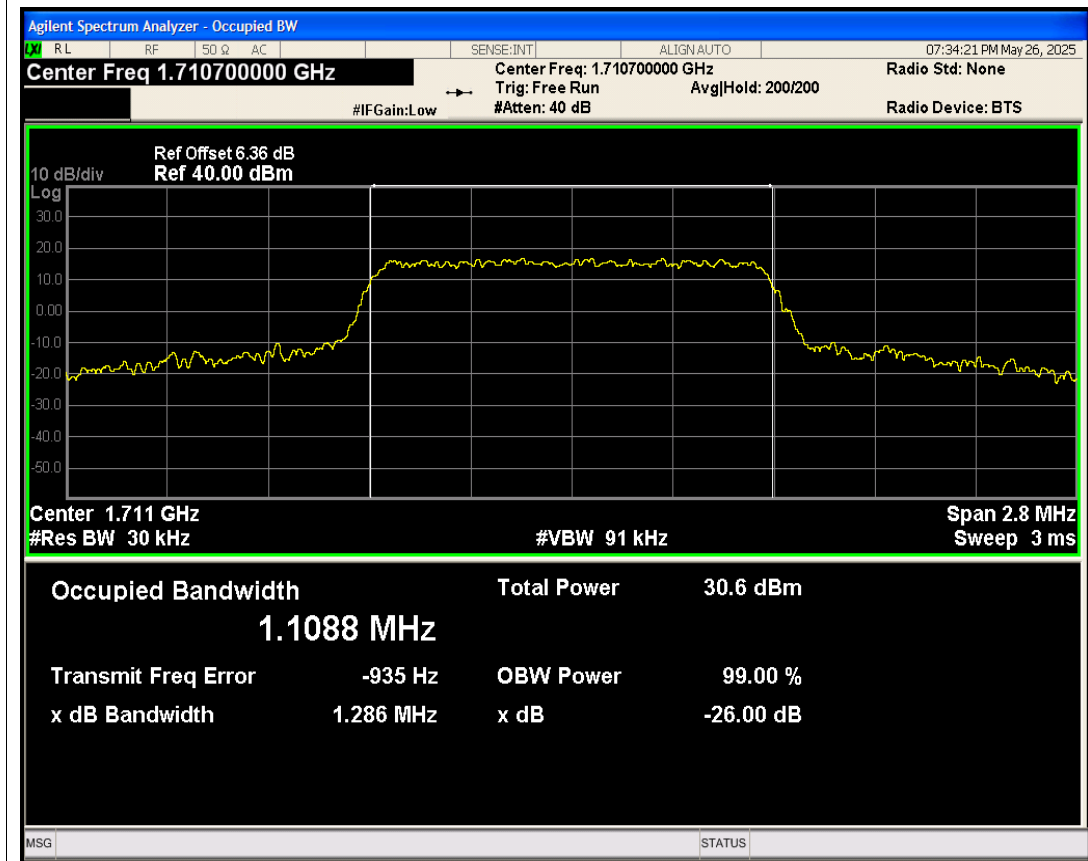


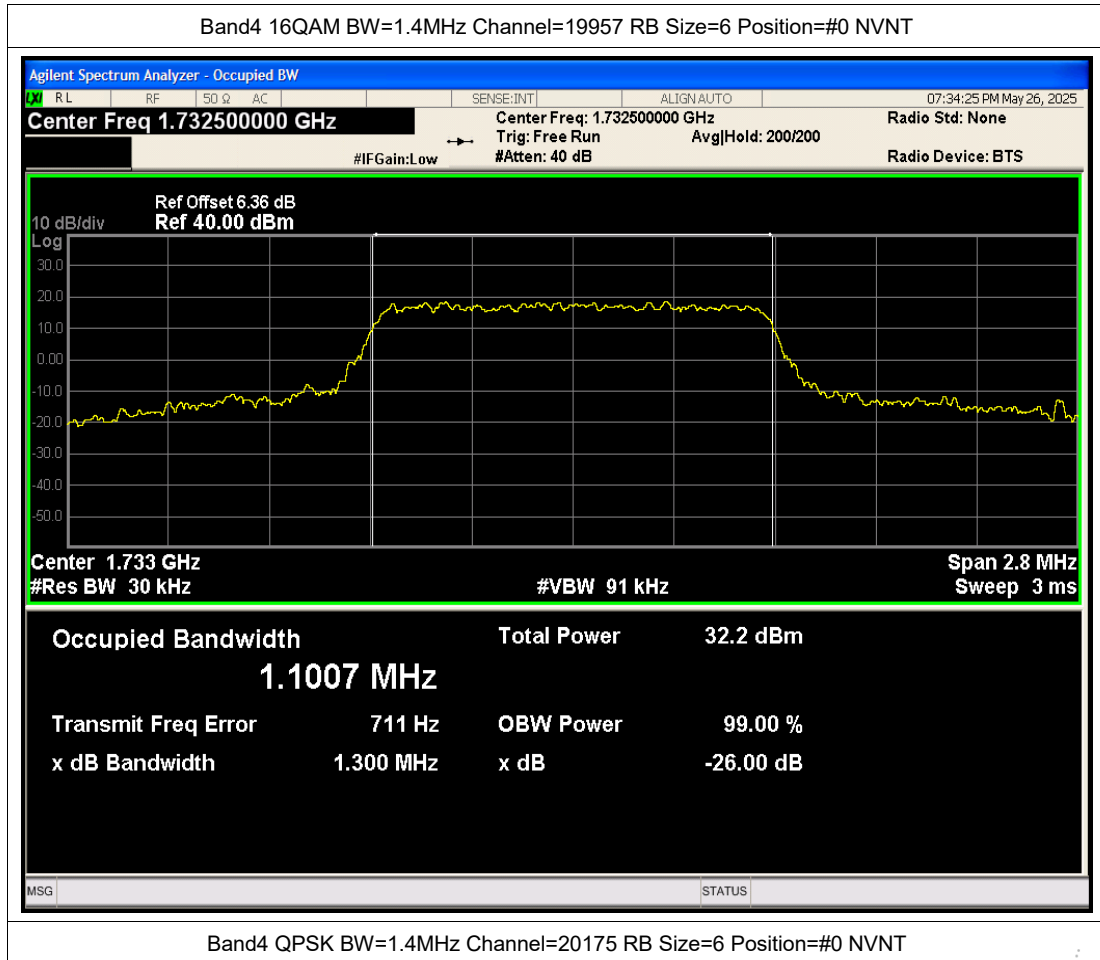
Appendix 4.Occupied bandwidth

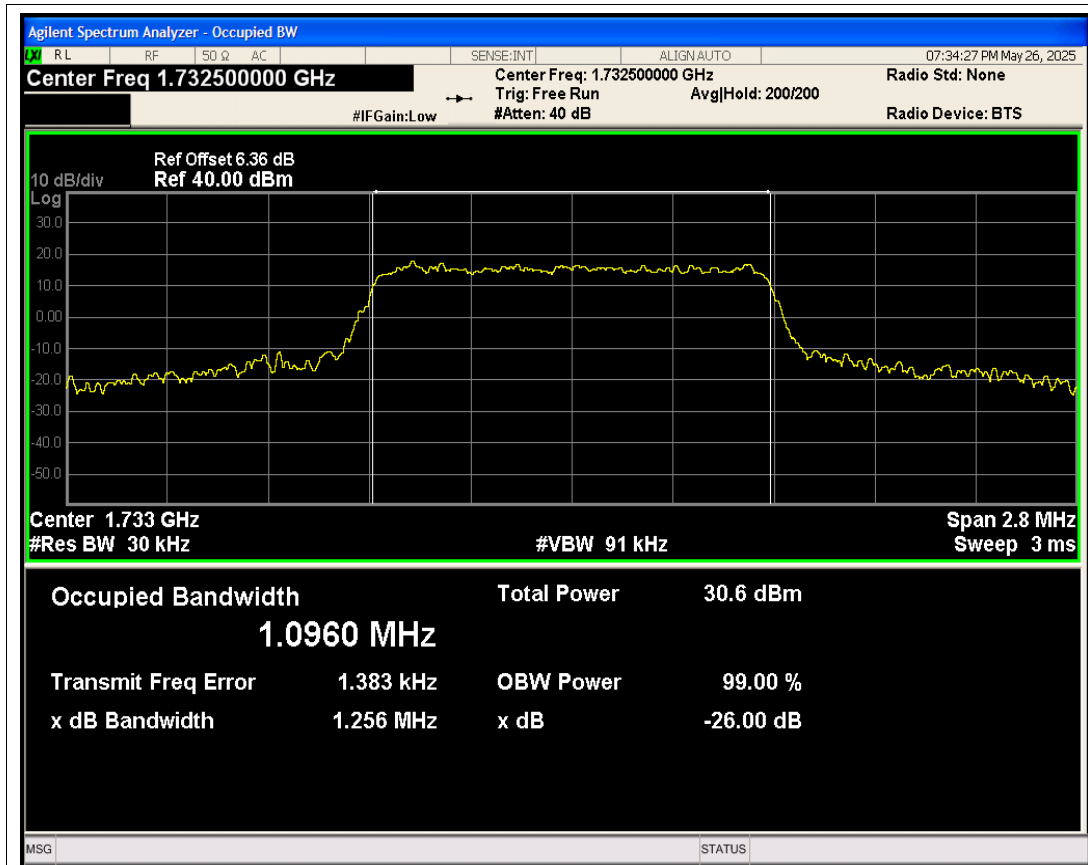
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.102	1.282	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.109	1.286	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.101	1.300	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.096	1.256	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.112	1.964	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.111	1.527	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.728	3.035	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.725	3.082	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.707	3.067	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.710	3.058	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.735	3.328	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.728	3.183	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.540	5.008	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.539	4.990	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.527	5.005	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.517	4.946	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.514	4.961	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.539	5.049	PASS
NVNT	Band4	10	20000	50	#0	QPSK	9.014	10.838	PASS
NVNT	Band4	10	20000	50	#0	16QAM	9.017	9.861	PASS
NVNT	Band4	10	20175	50	#0	QPSK	9.002	9.820	PASS
NVNT	Band4	10	20175	50	#0	16QAM	9.004	9.843	PASS
NVNT	Band4	10	20350	50	#0	QPSK	9.010	10.072	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.028	9.873	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.492	17.800	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.476	14.818	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.527	16.021	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.508	14.902	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.551	14.894	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.531	14.708	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.084	23.548	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.072	20.583	PASS
NVNT	Band4	20	20175	100	#0	QPSK	18.036	19.476	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.025	19.663	PASS
NVNT	Band4	20	20300	100	#0	QPSK	18.048	19.894	PASS
NVNT	Band4	20	20300	100	#0	16QAM	18.031	19.545	PASS



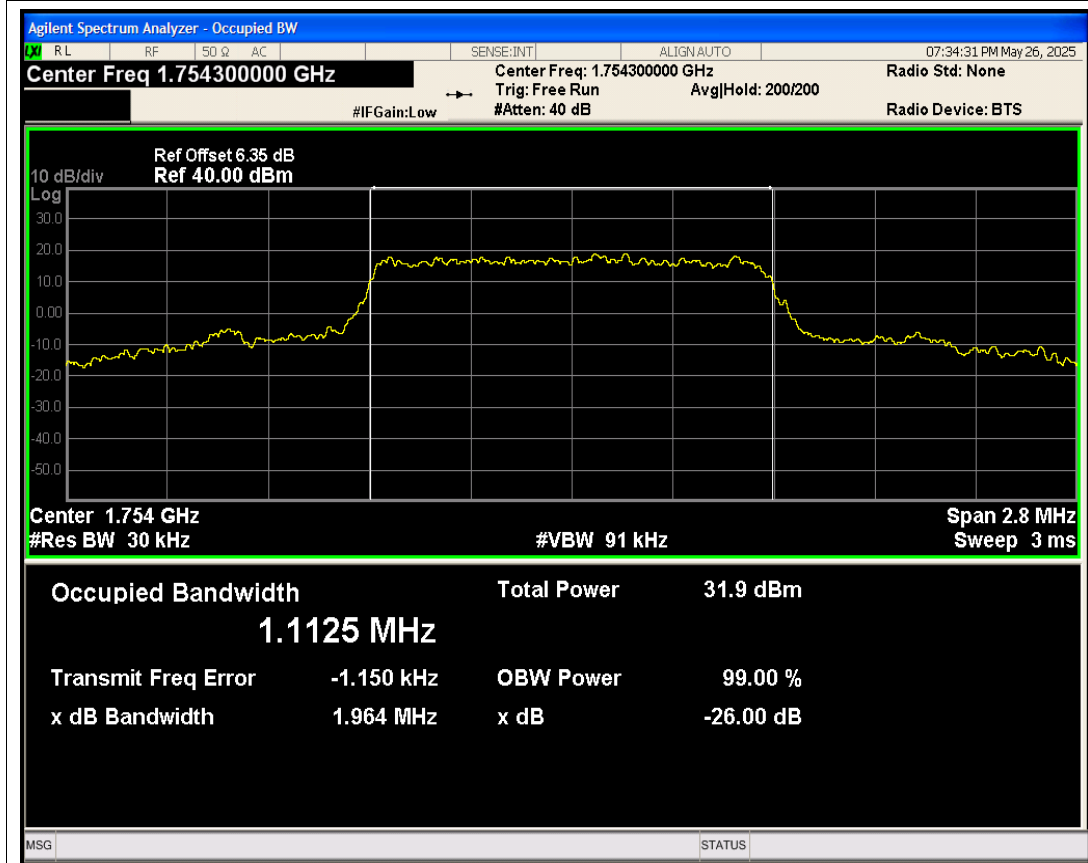
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

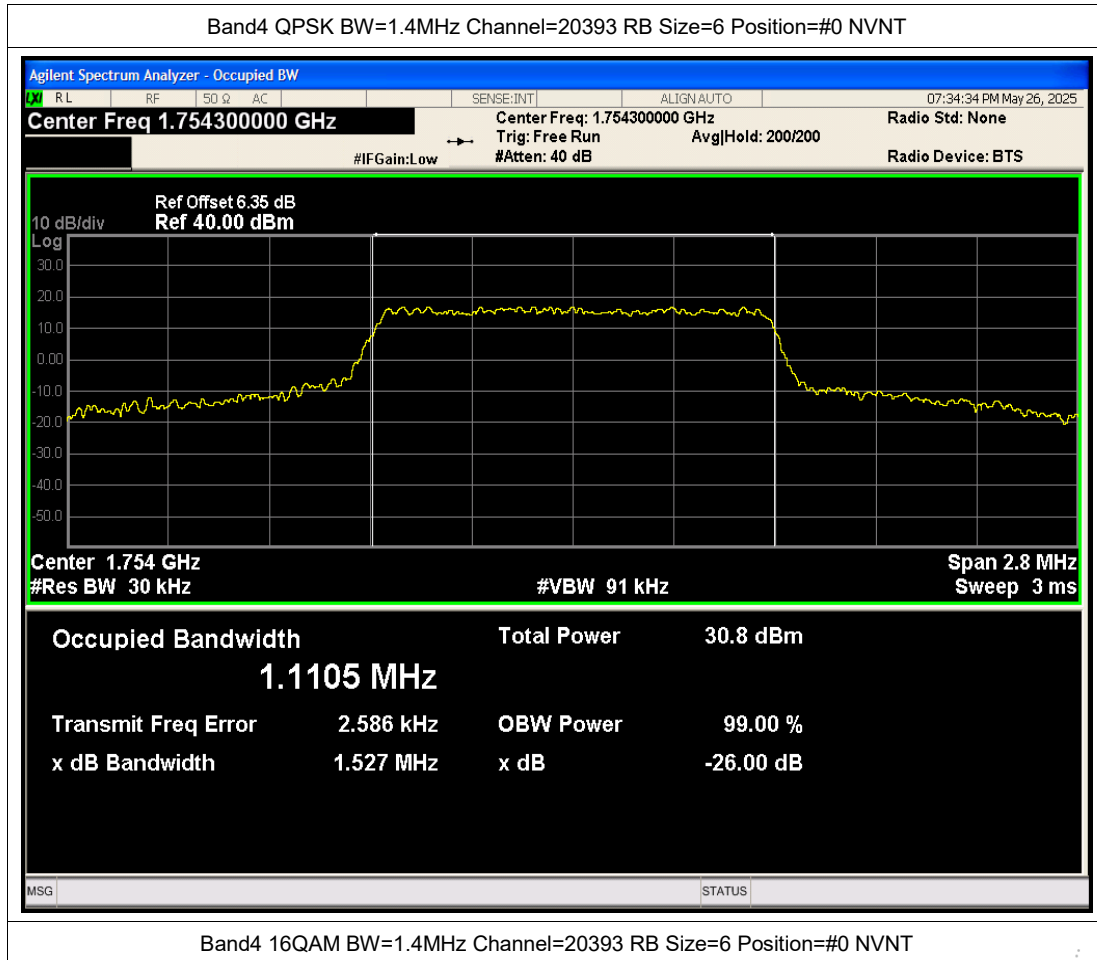


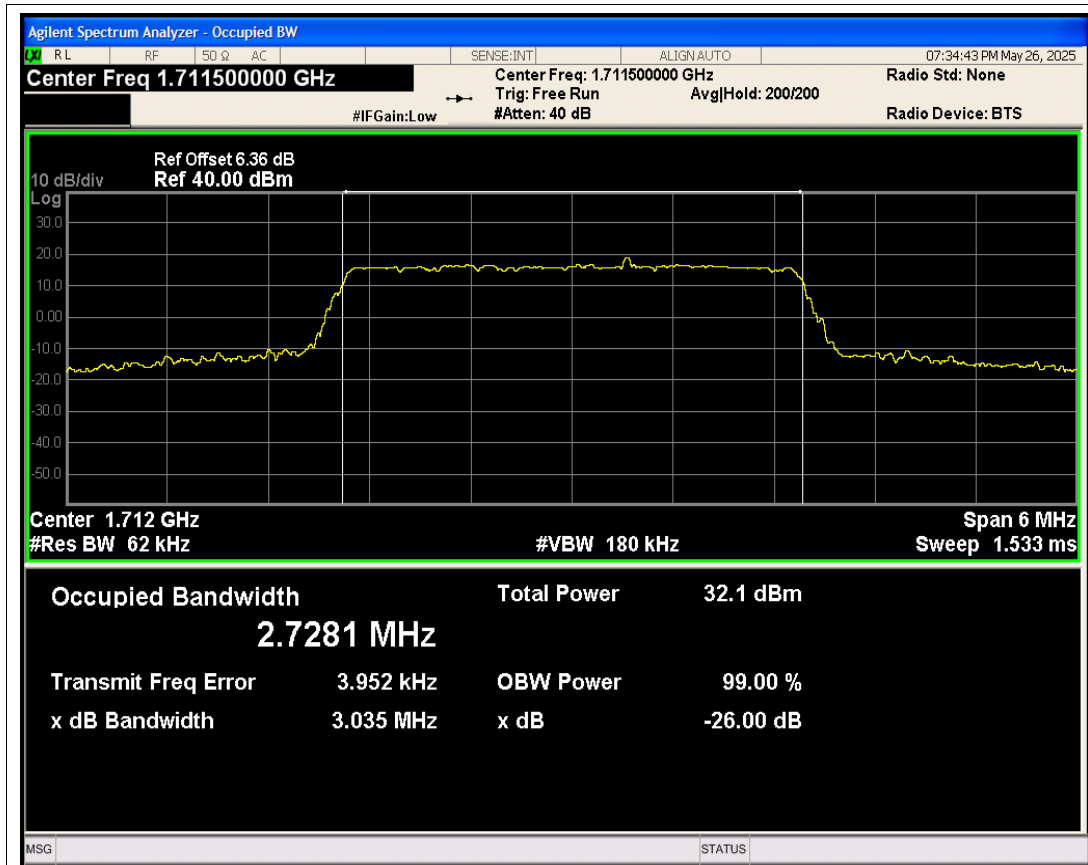




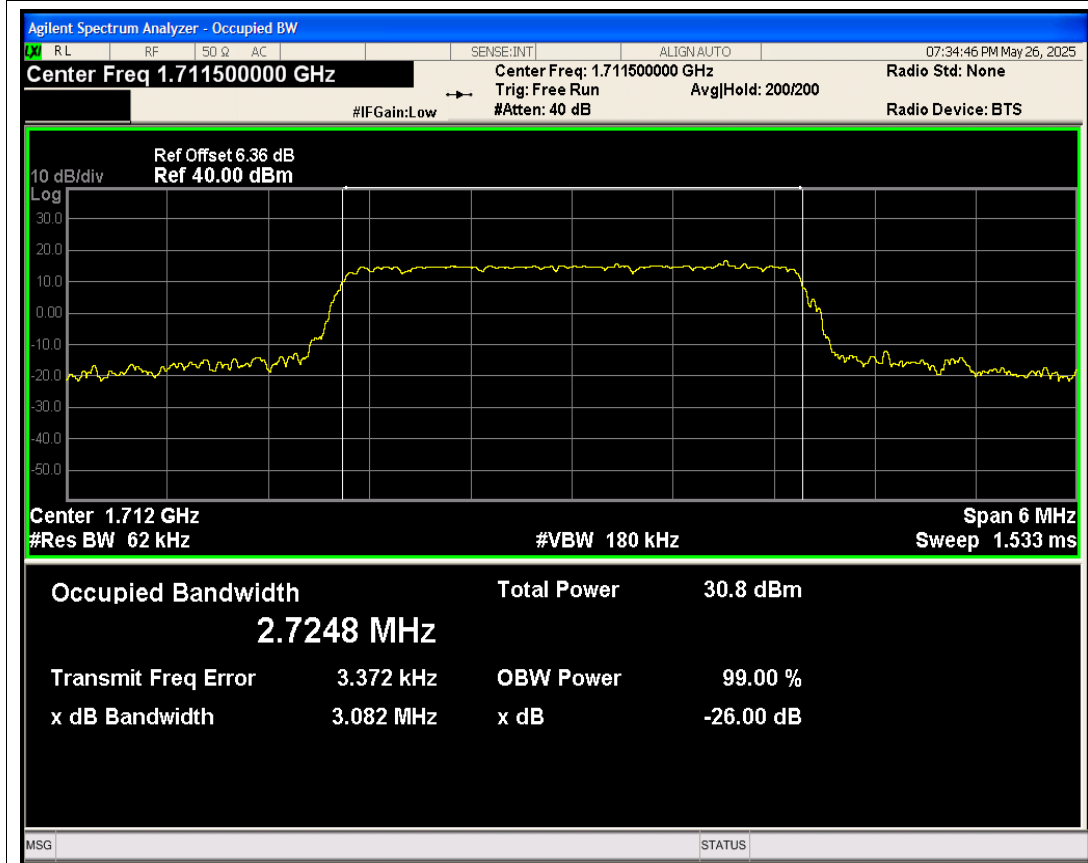
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

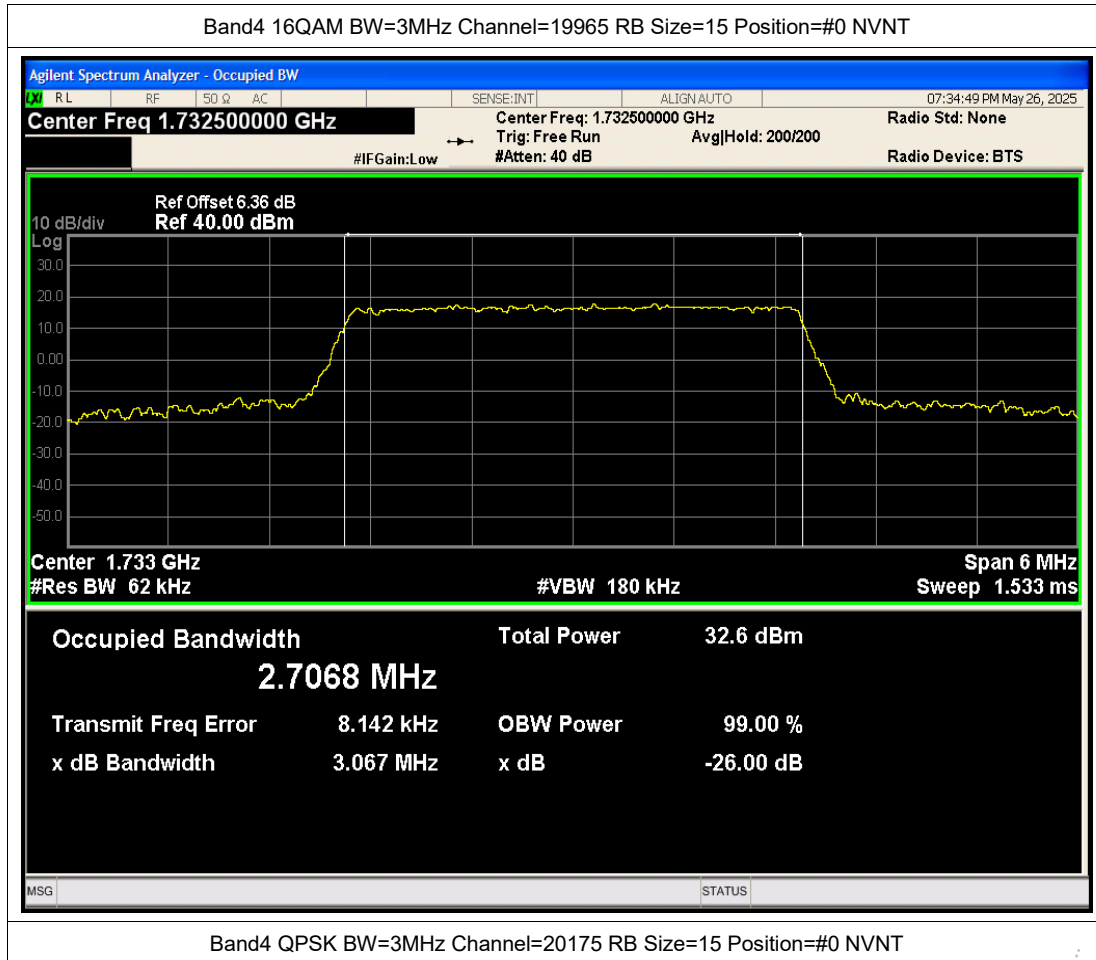


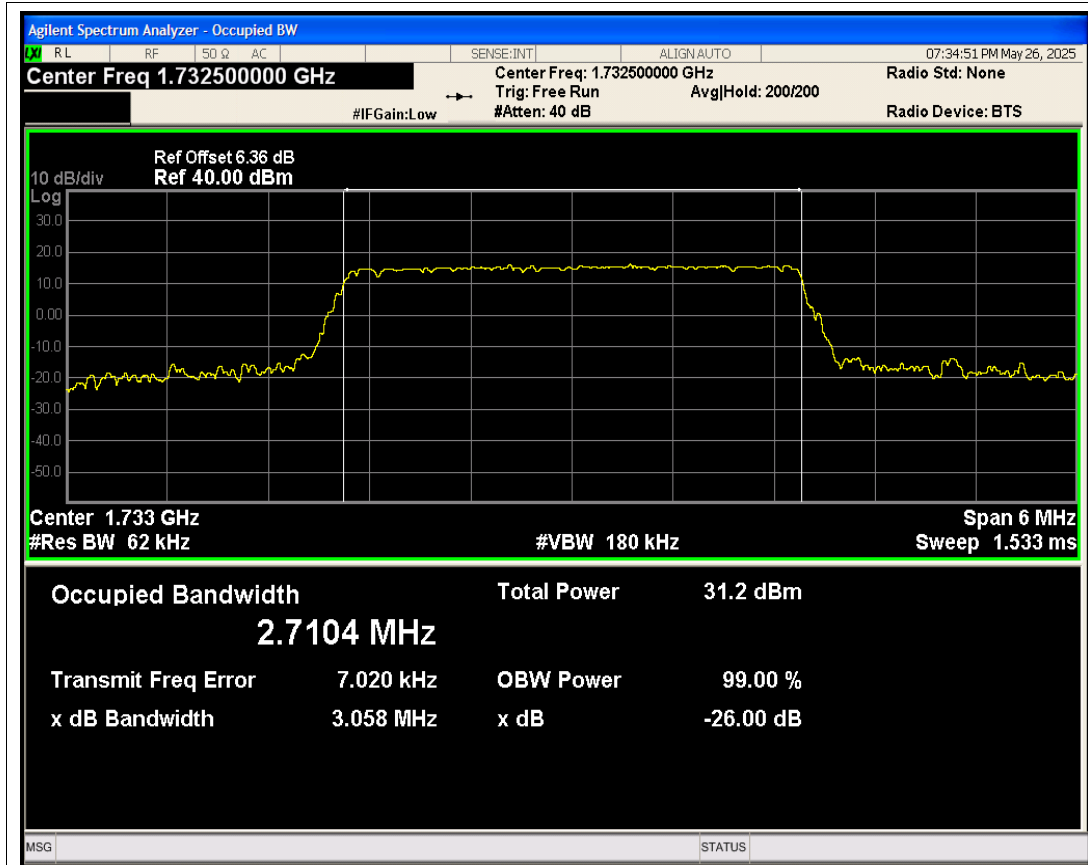




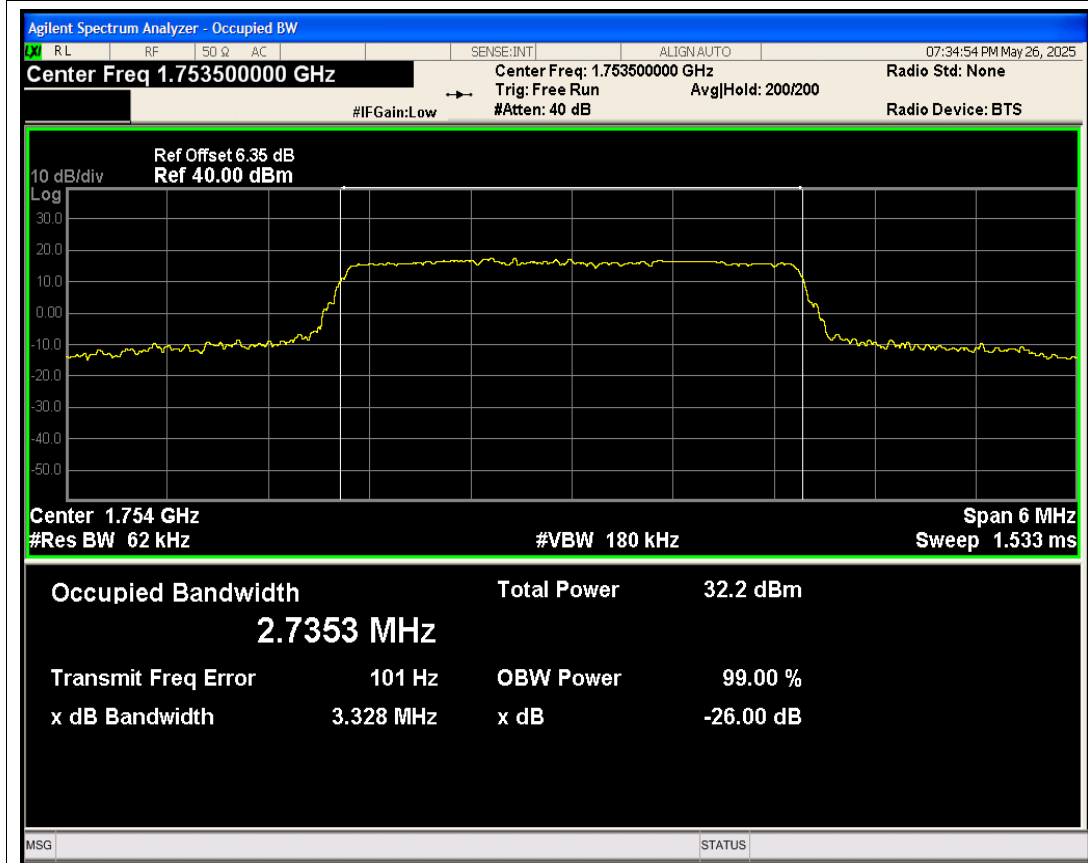
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

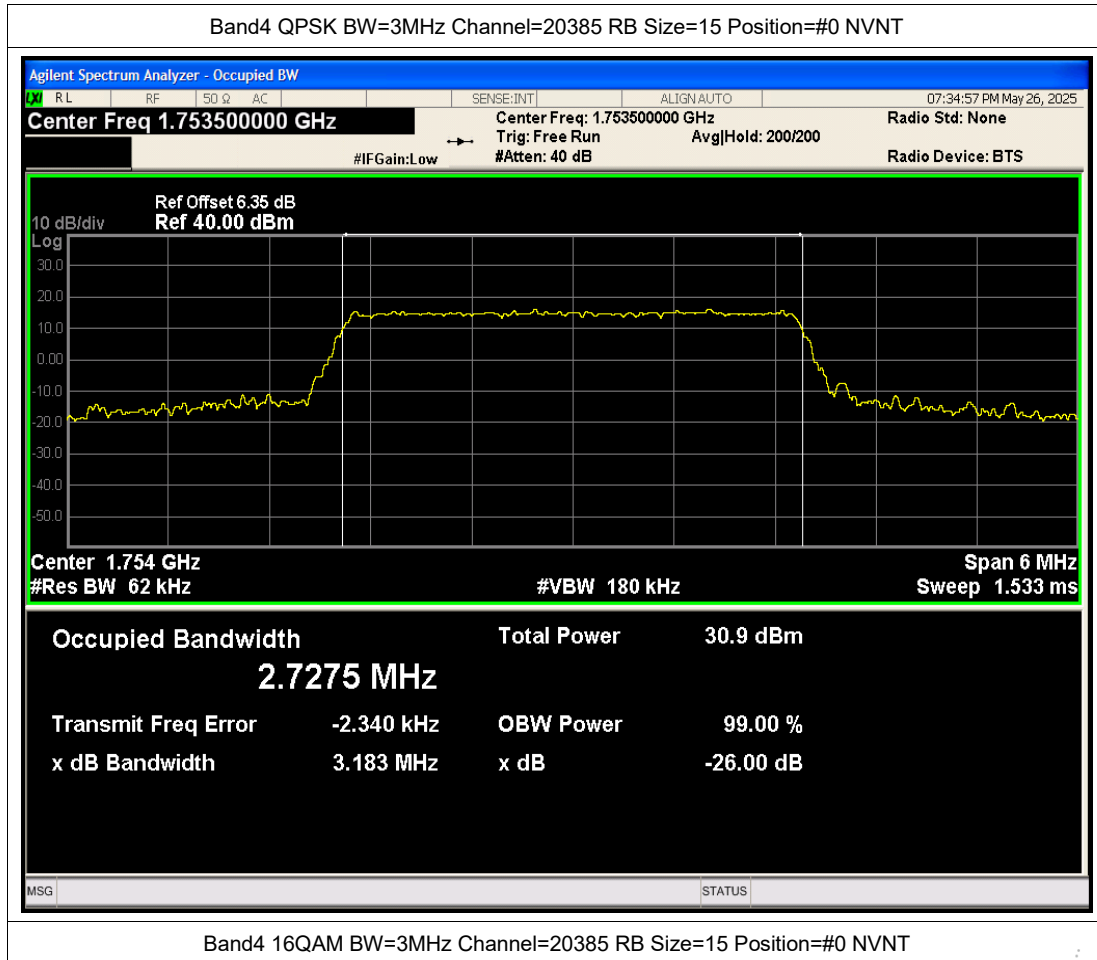


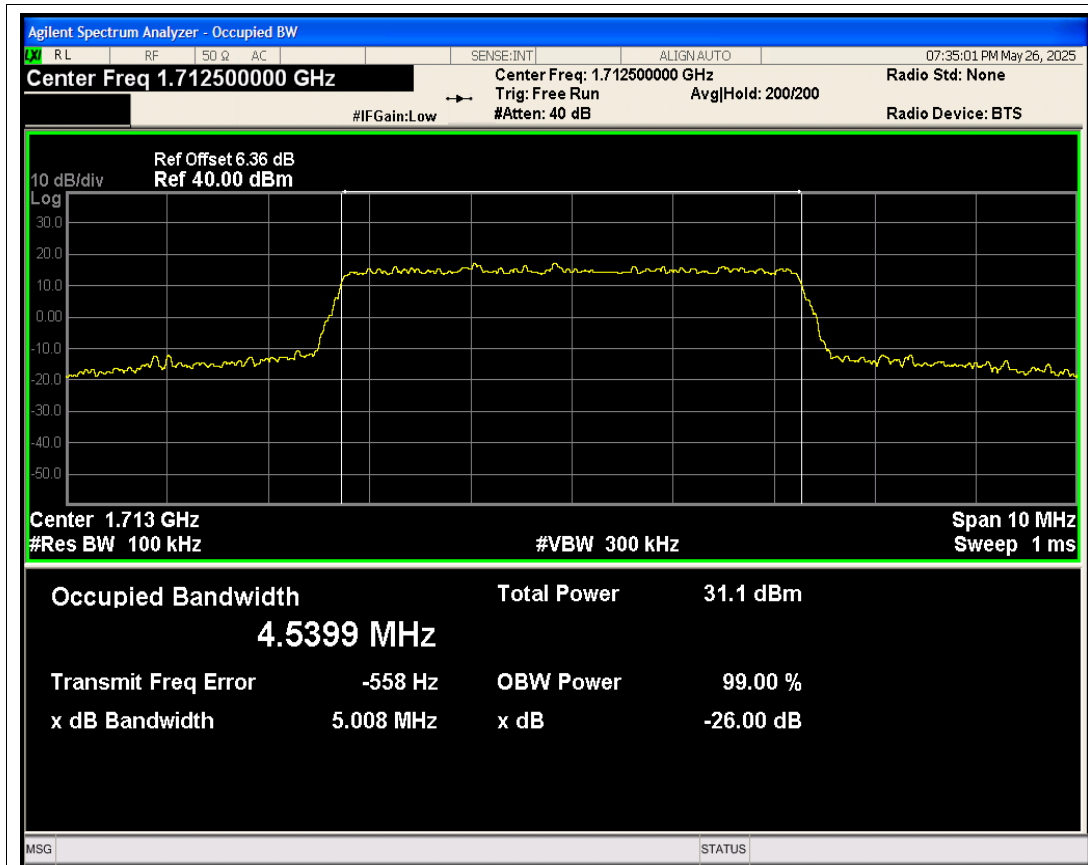




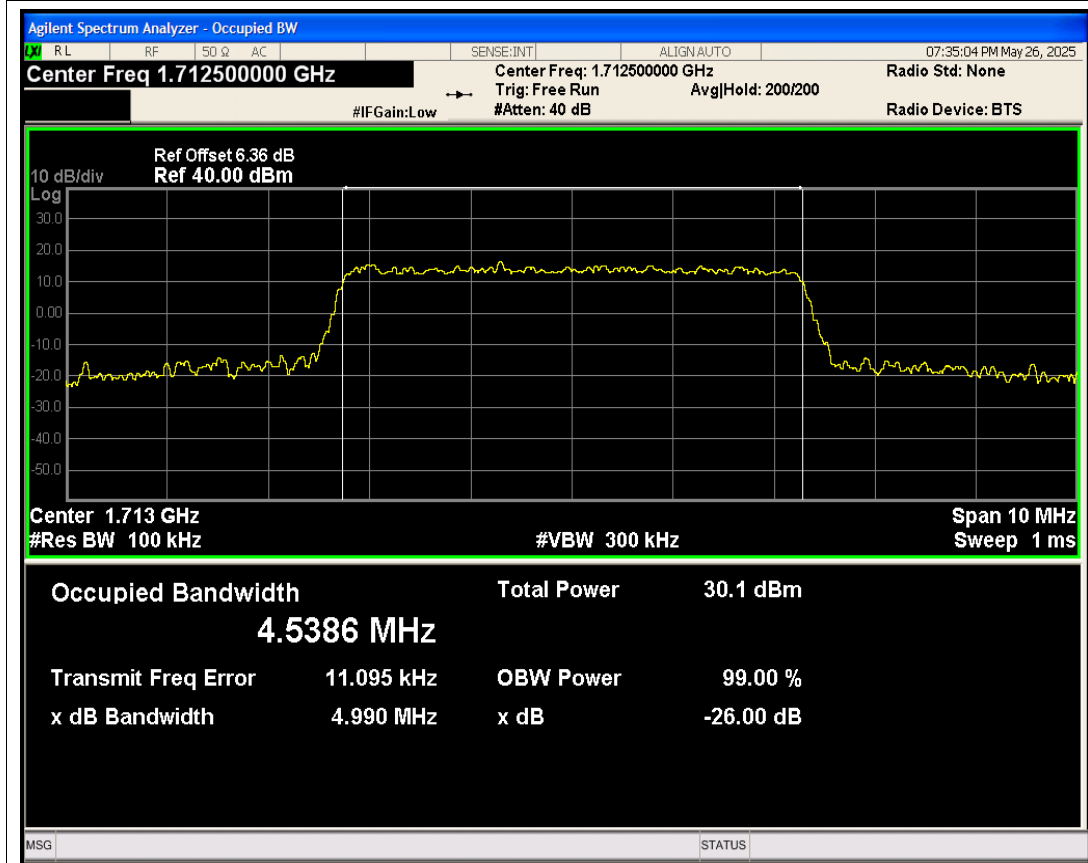
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

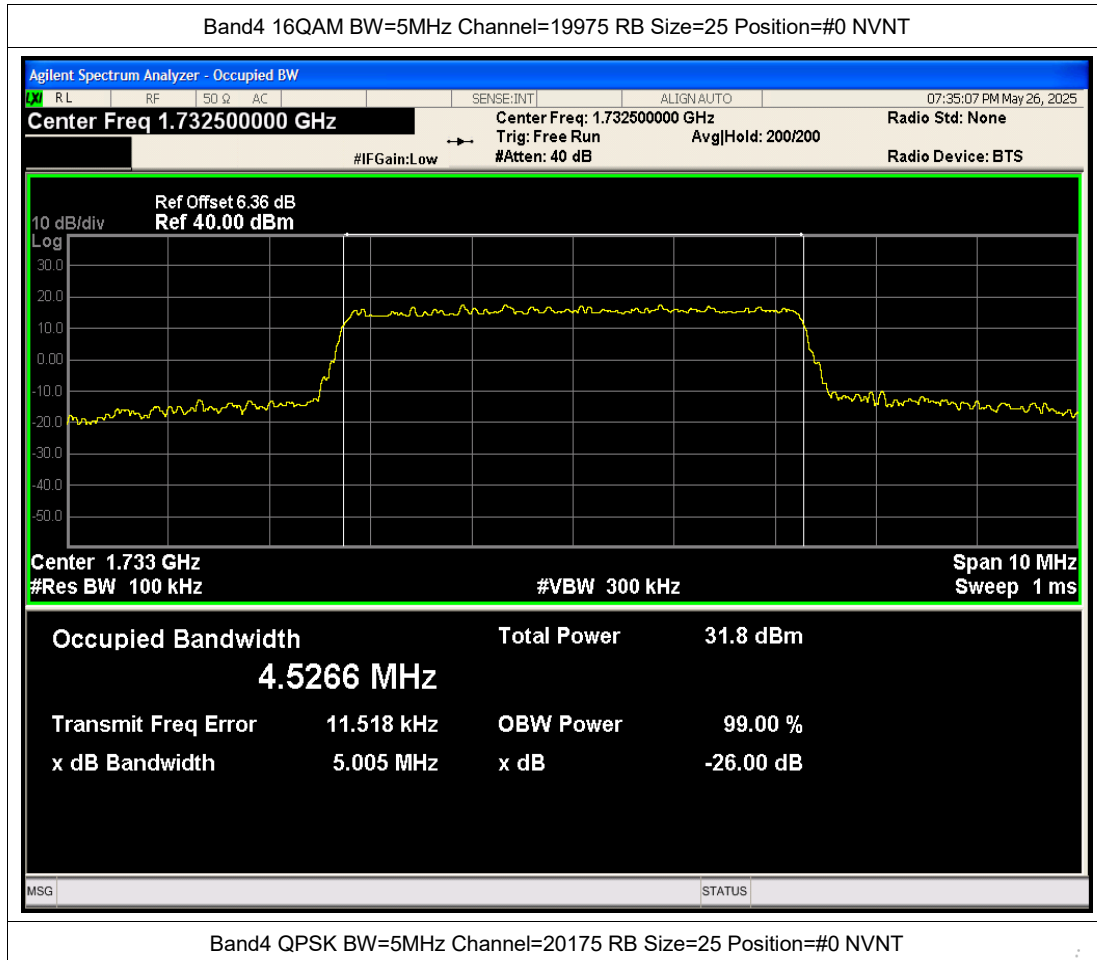


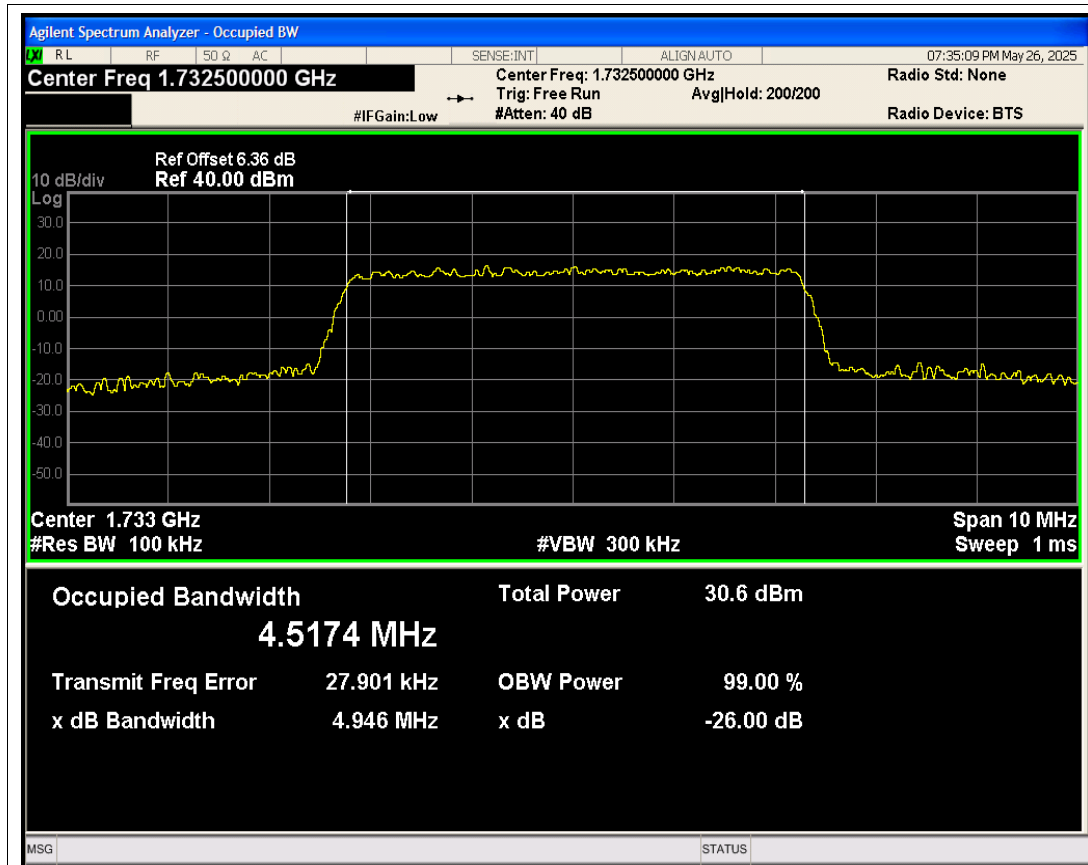




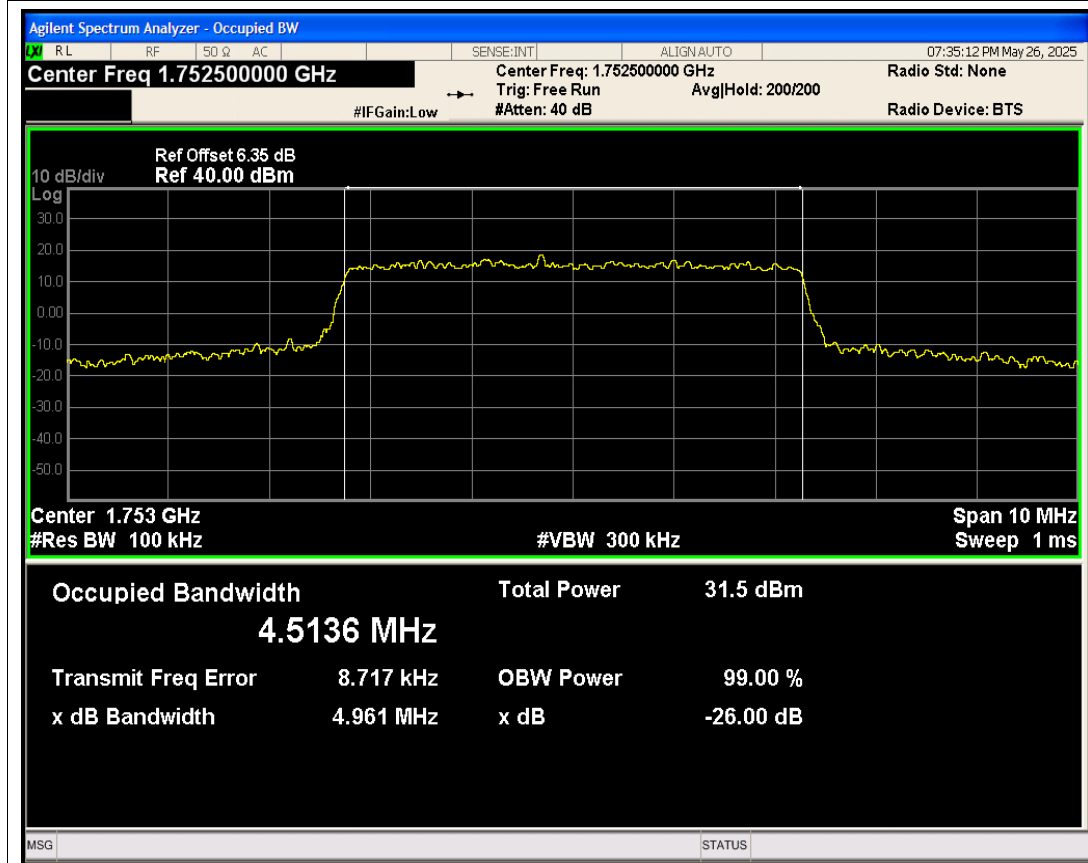
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

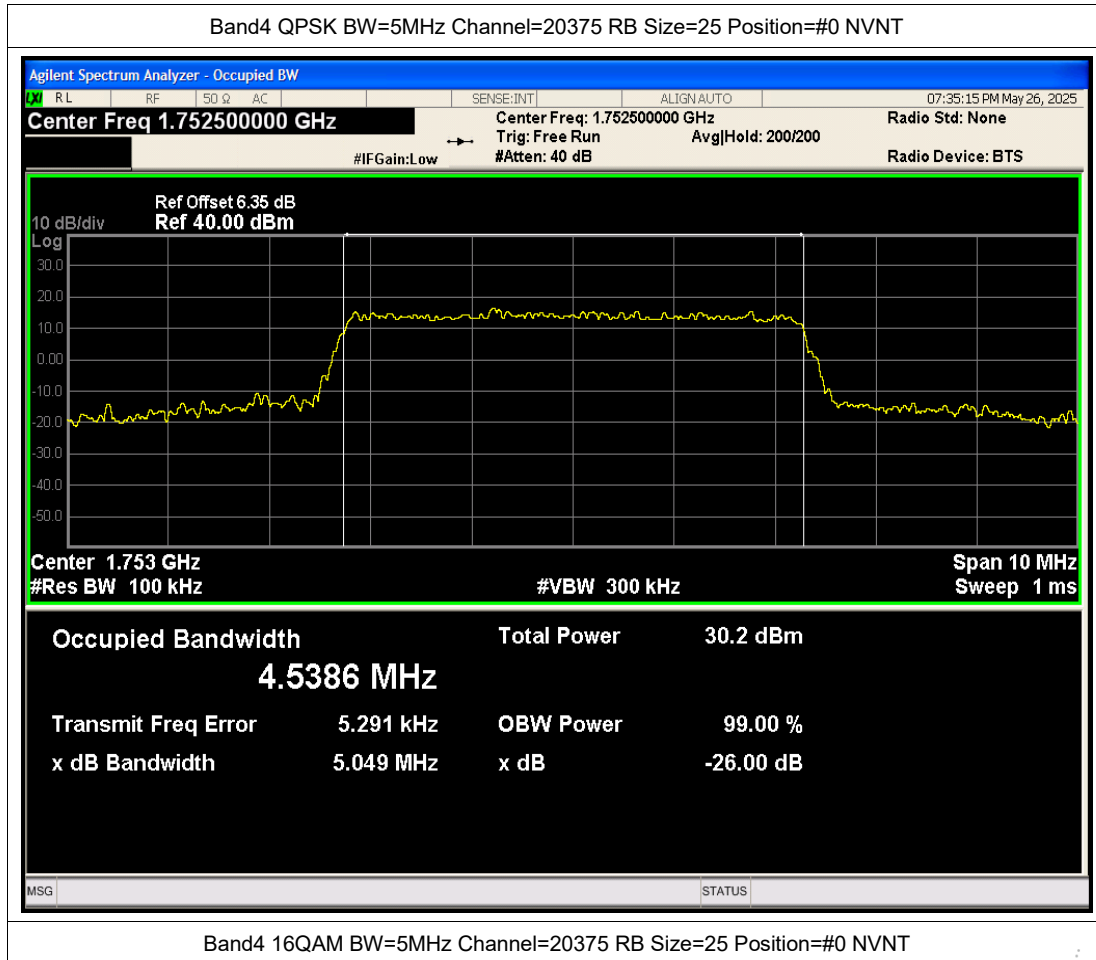


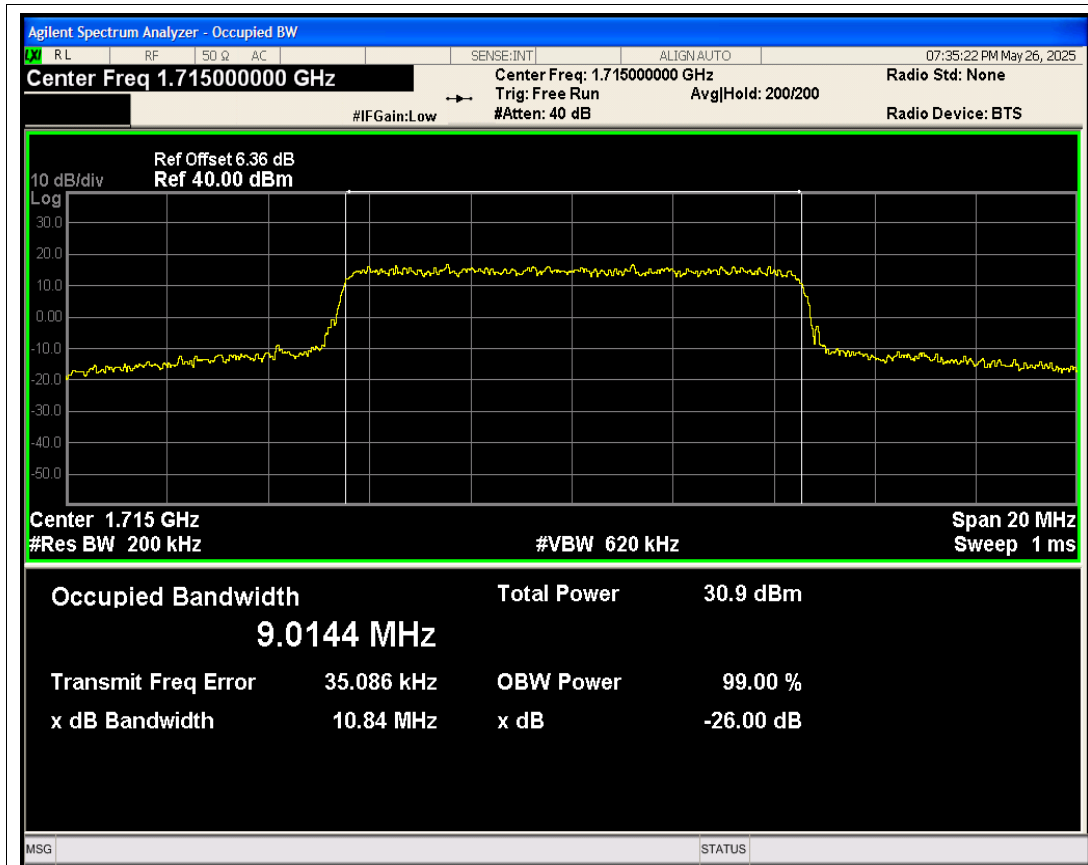




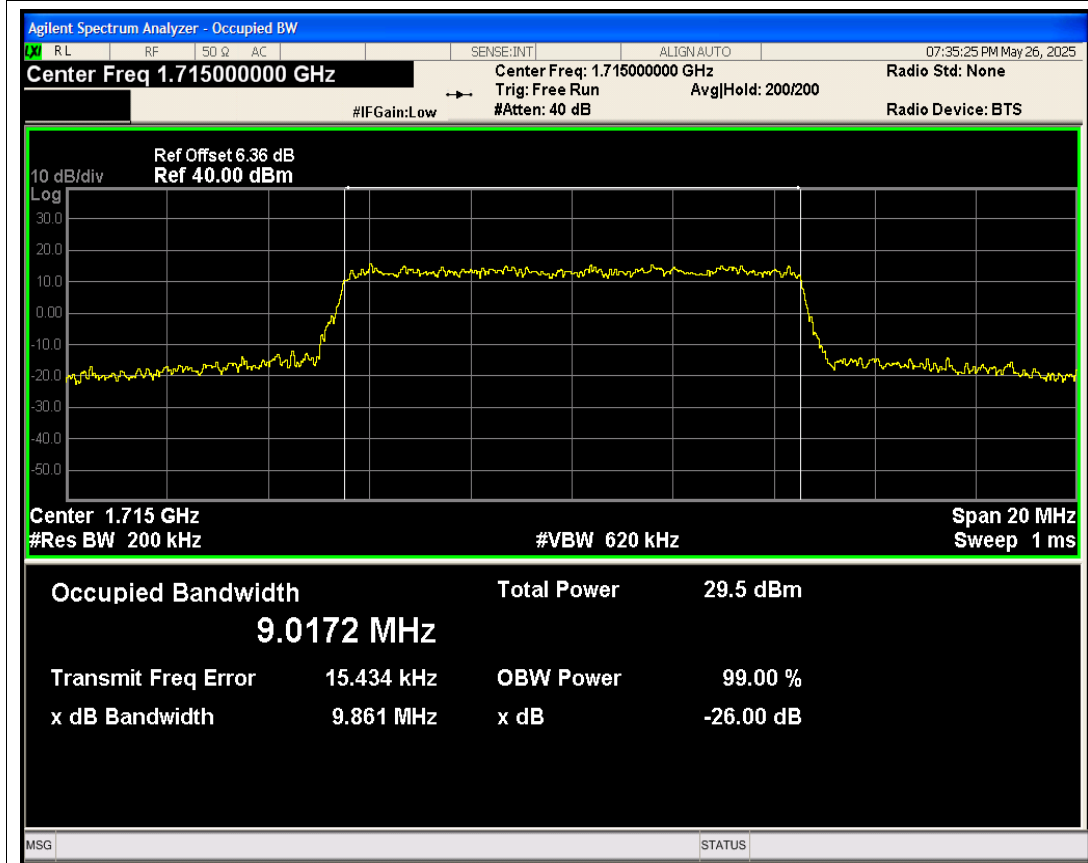
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

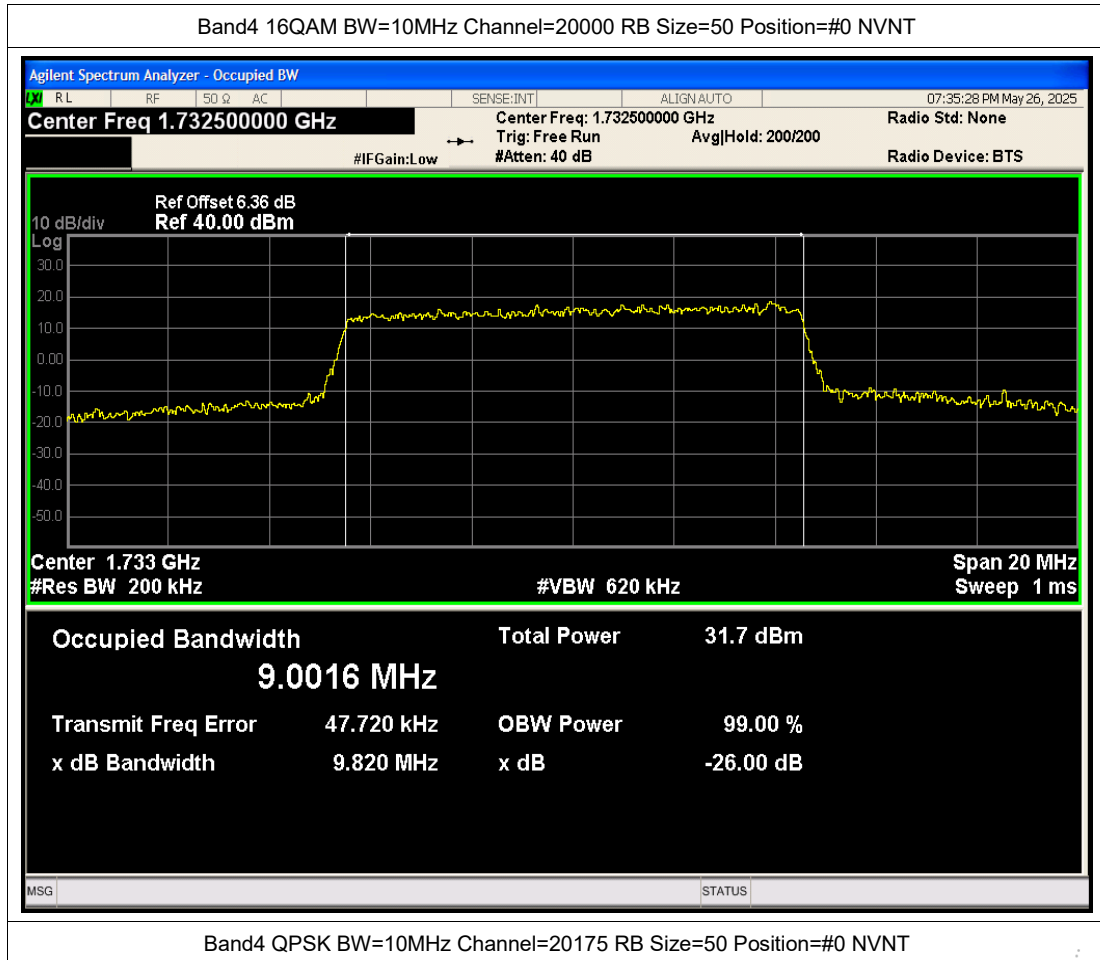


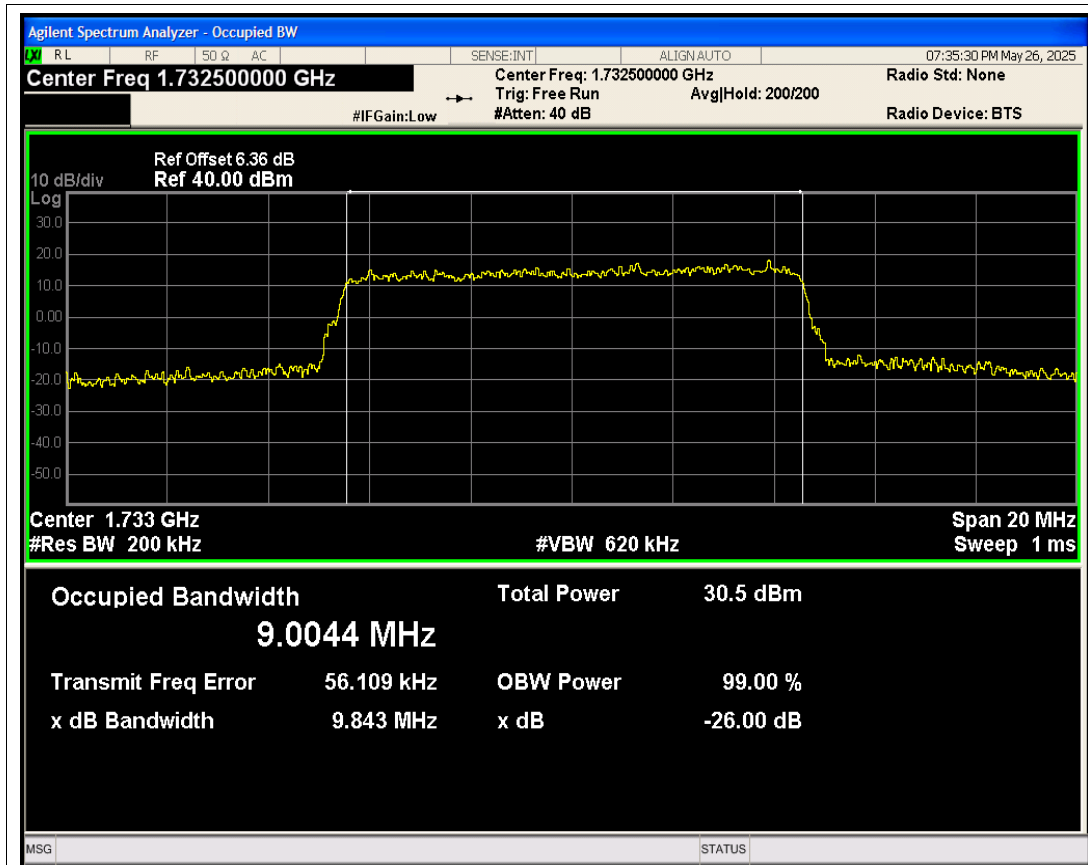




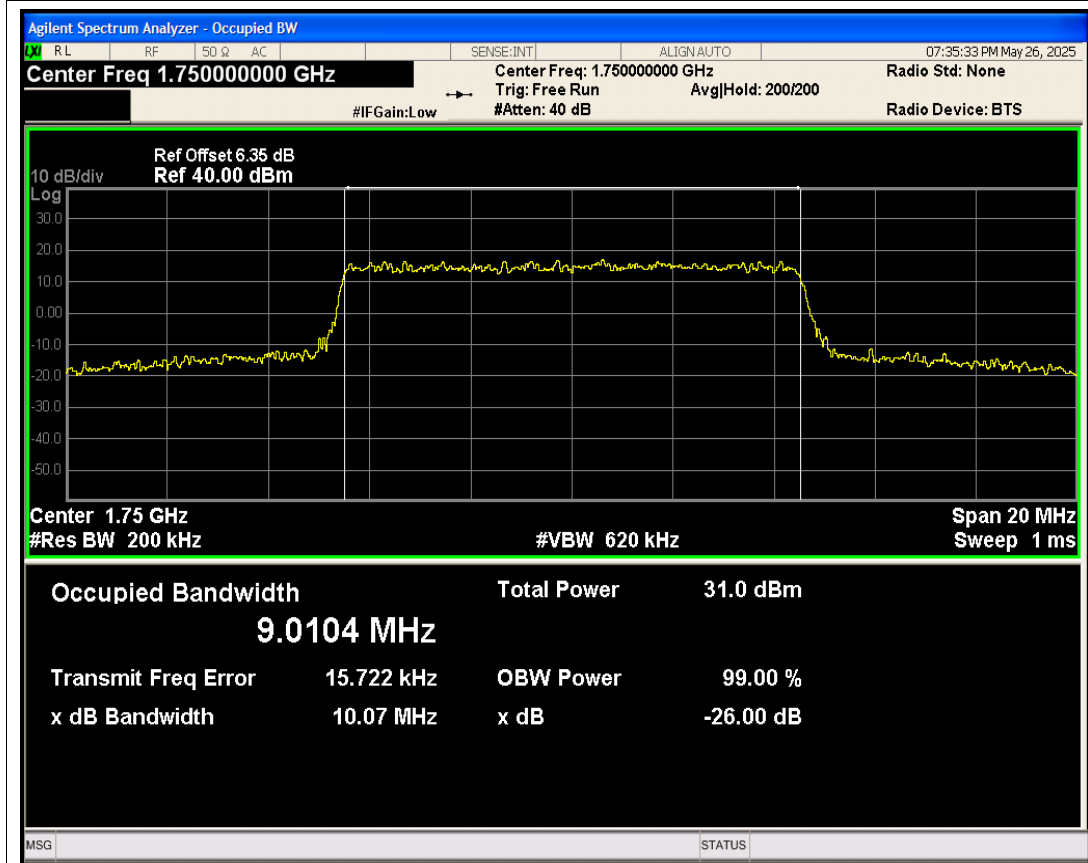
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

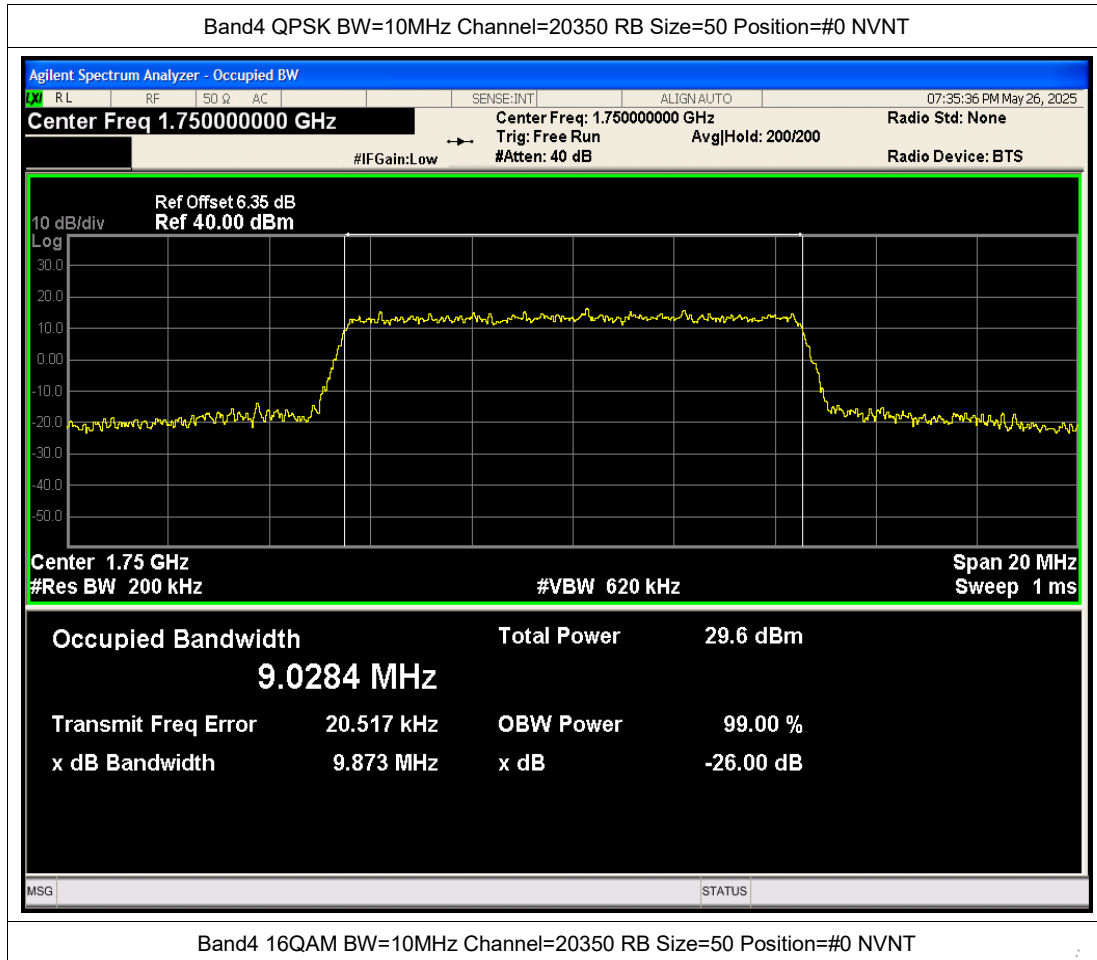


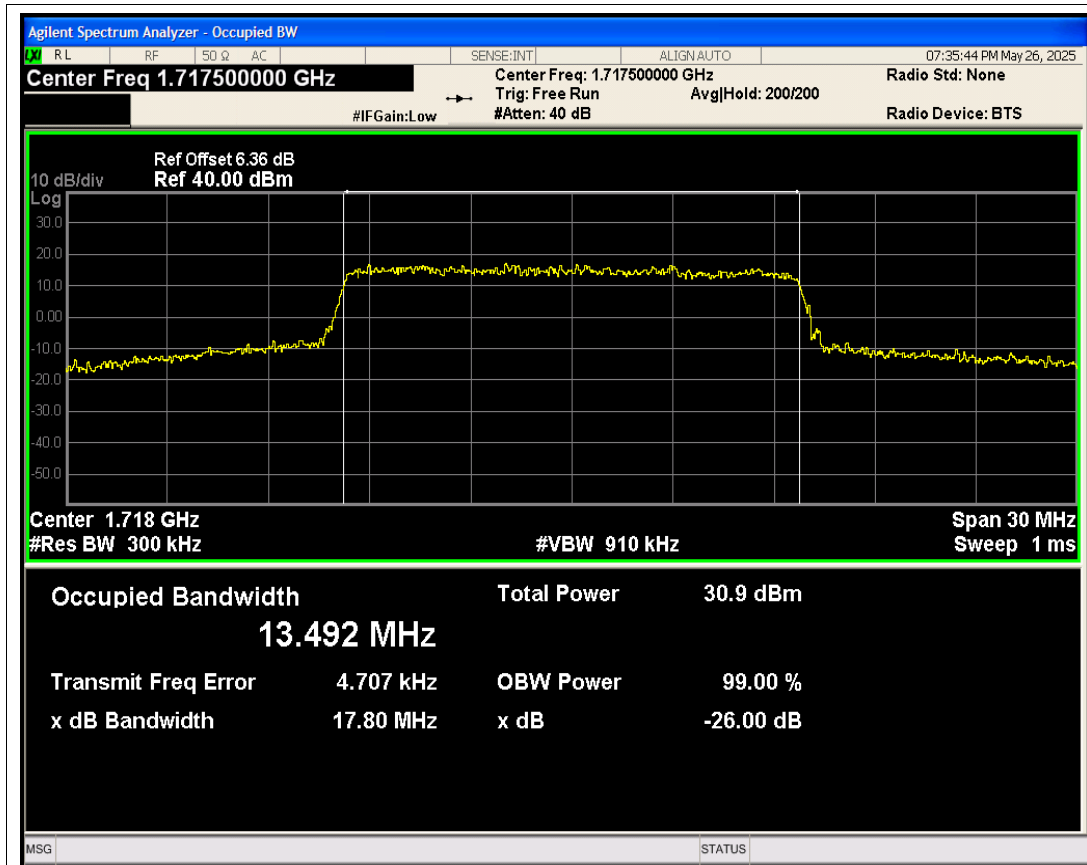




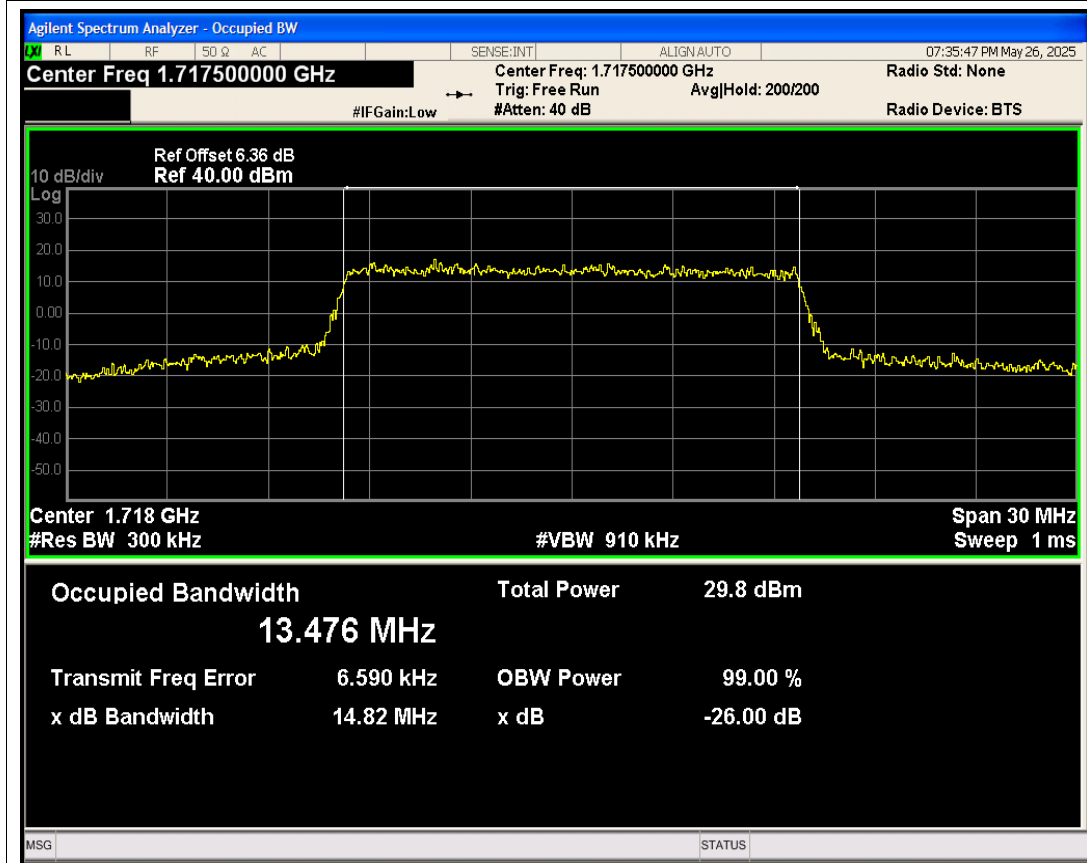
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

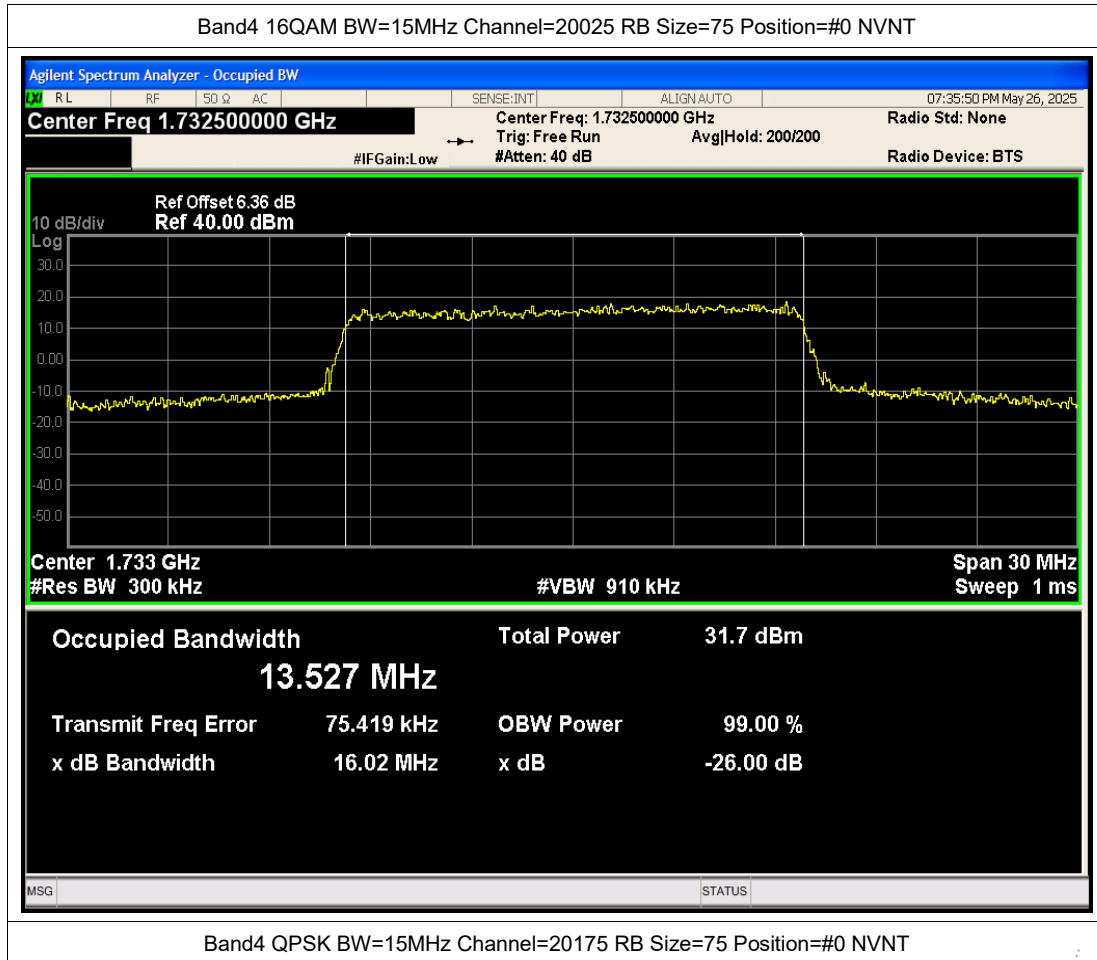


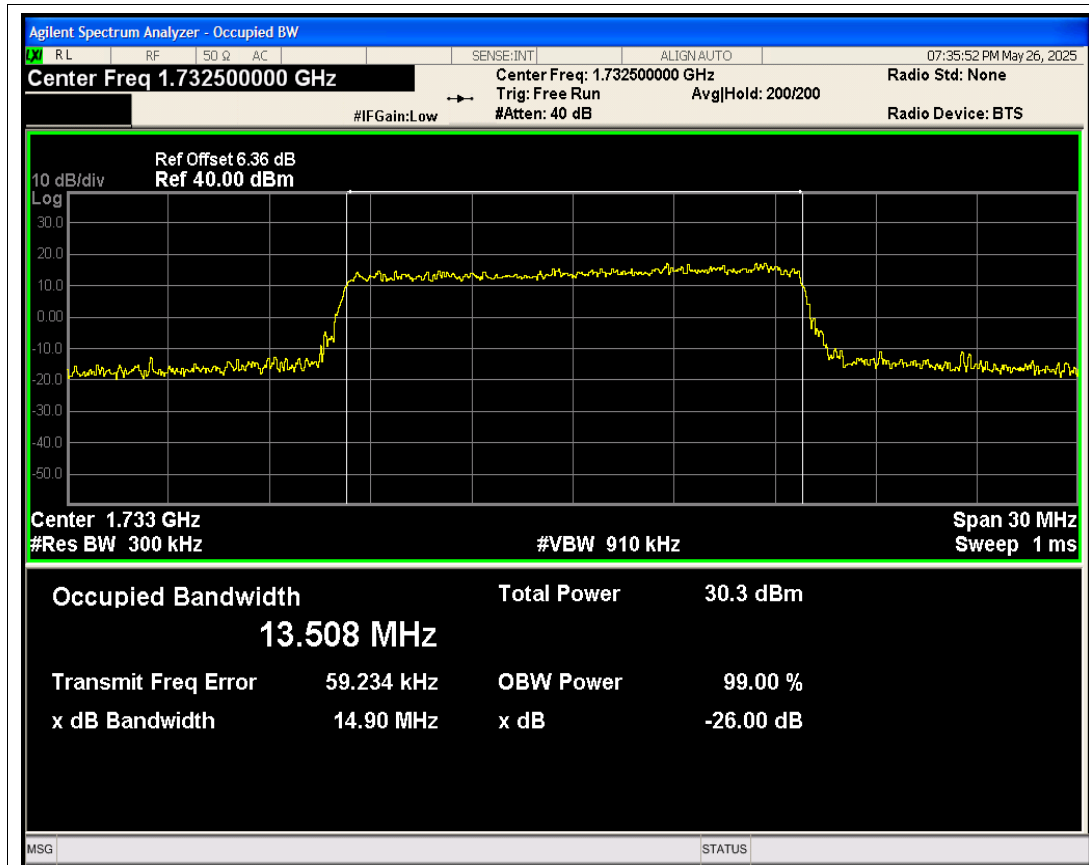




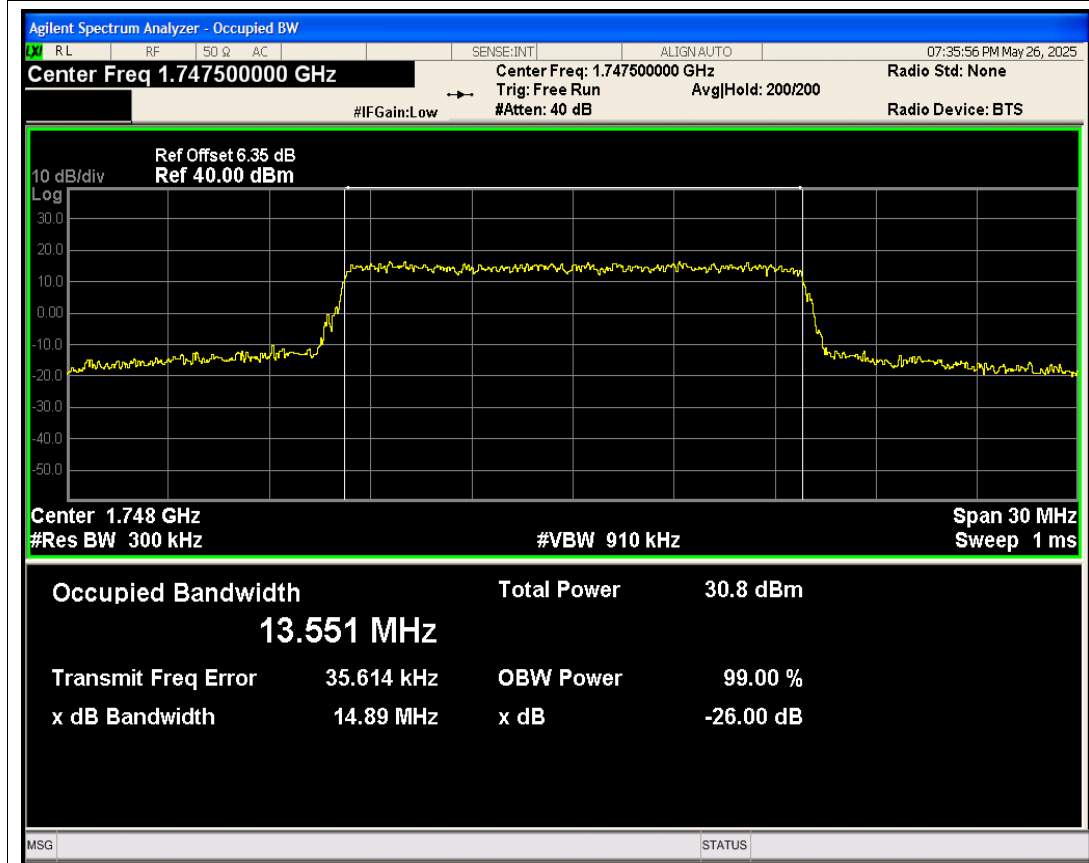
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

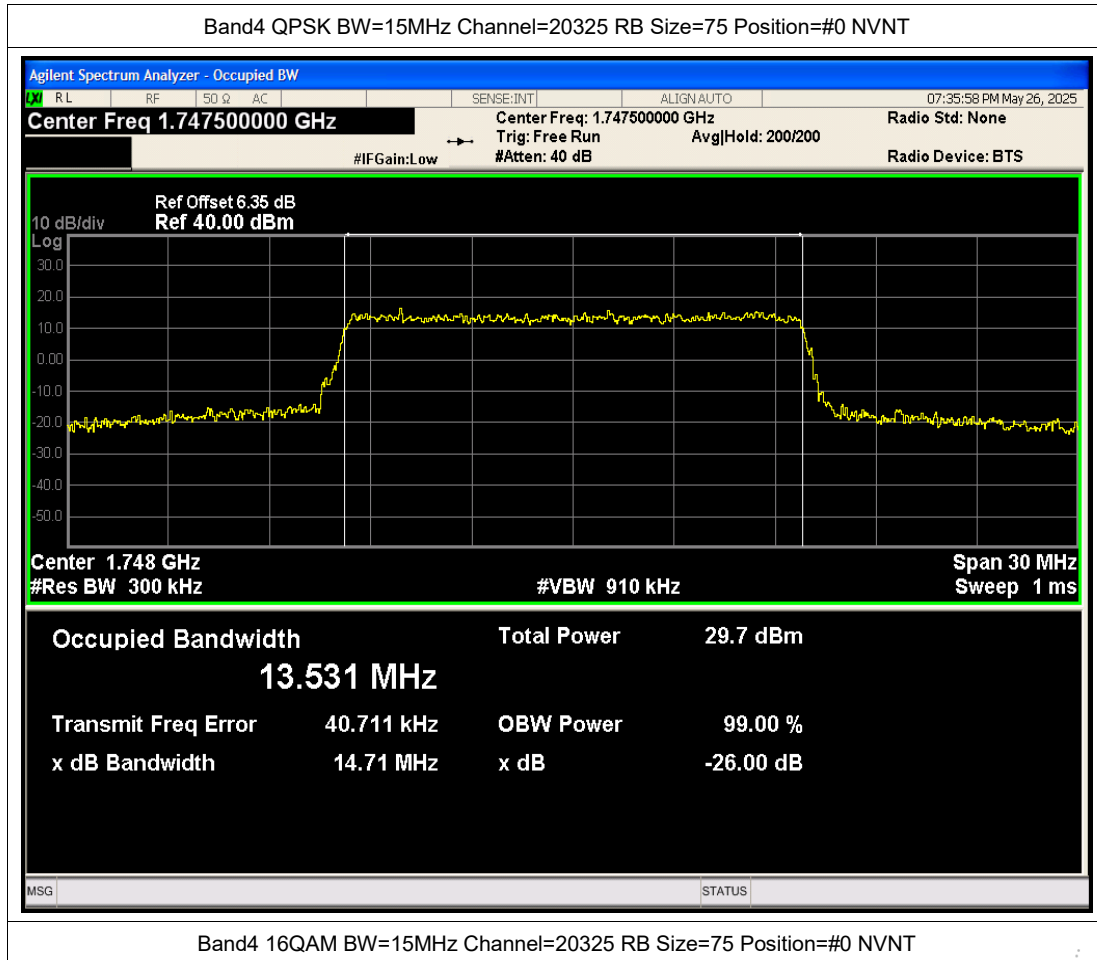


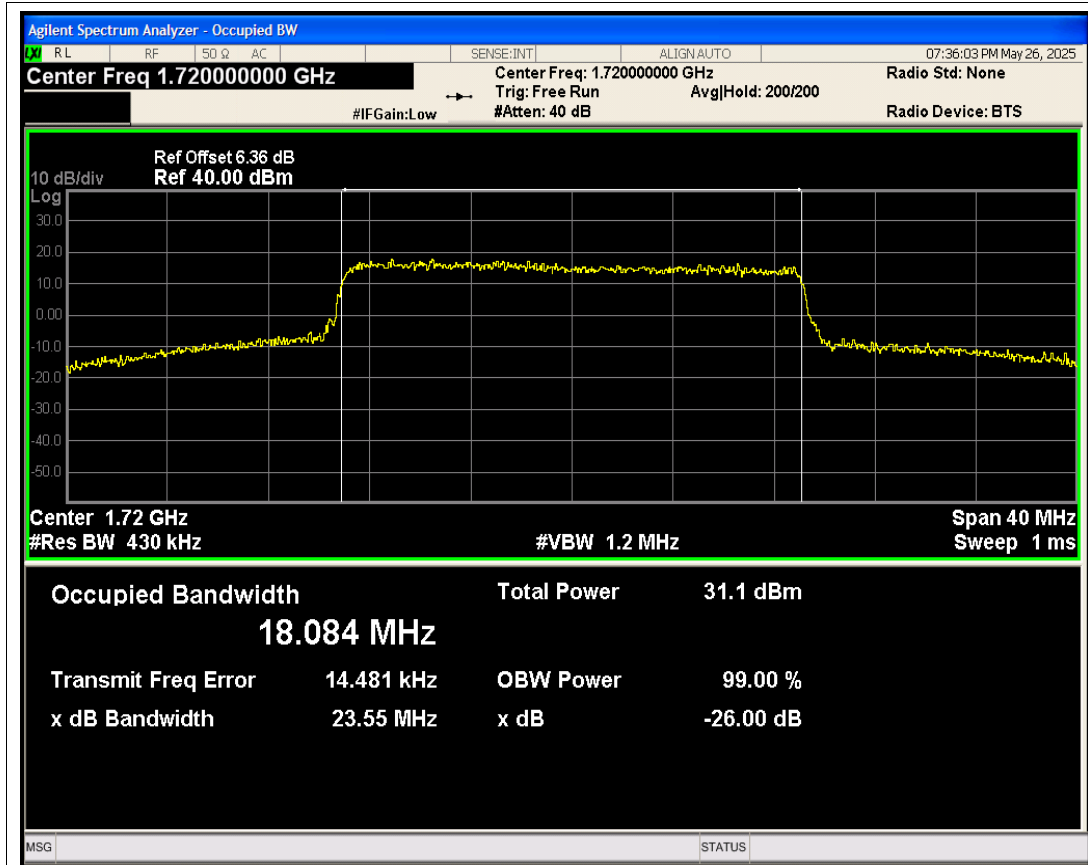




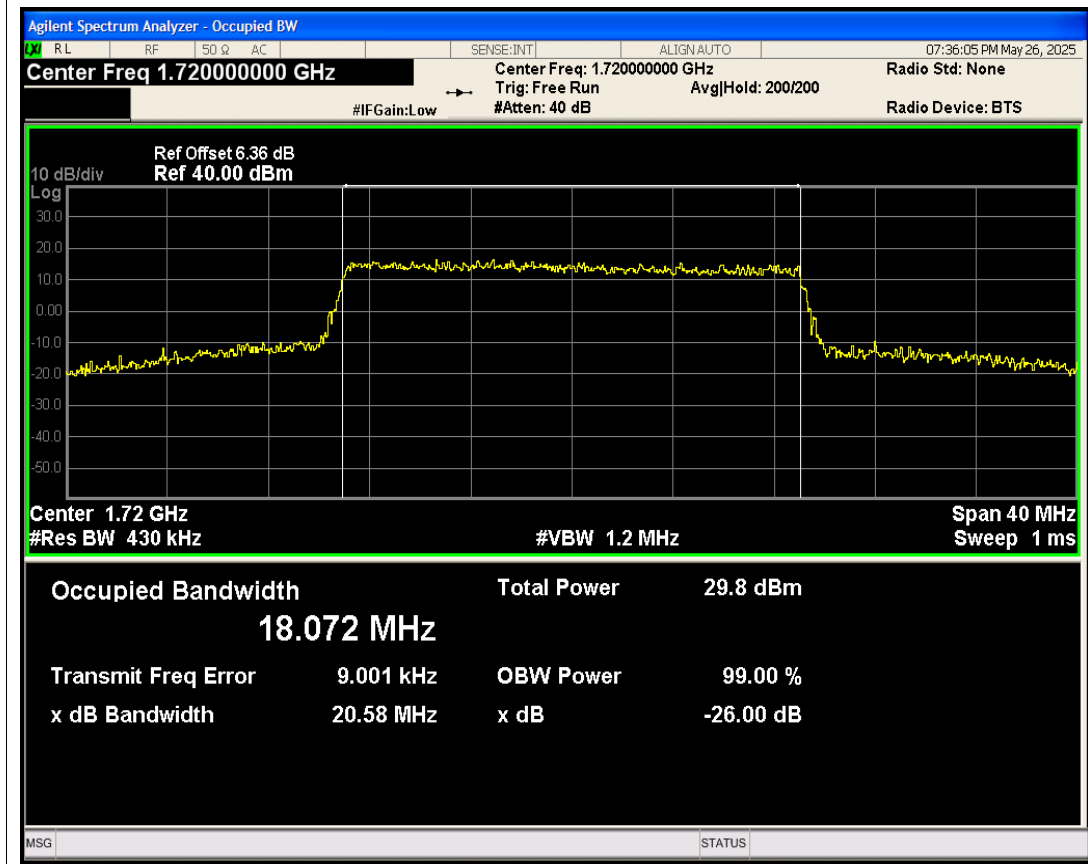
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

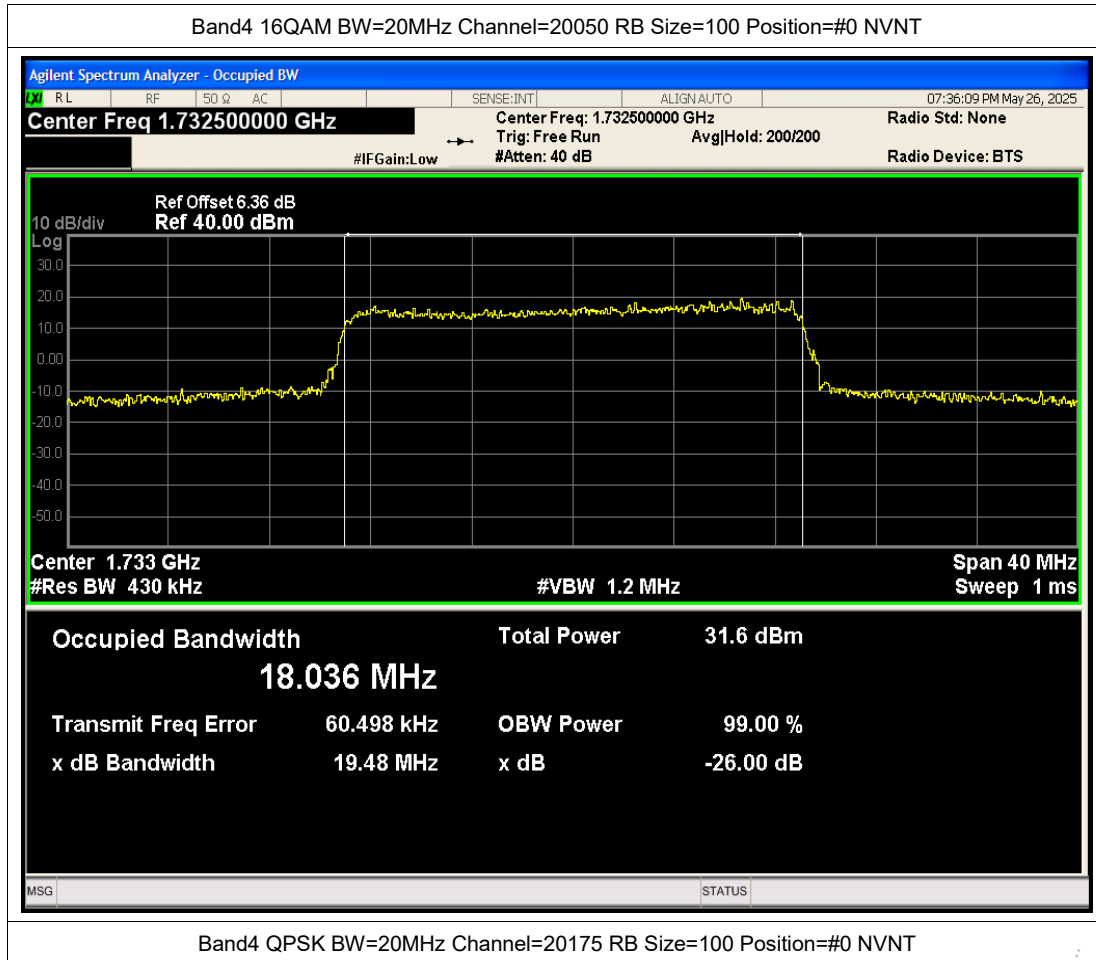


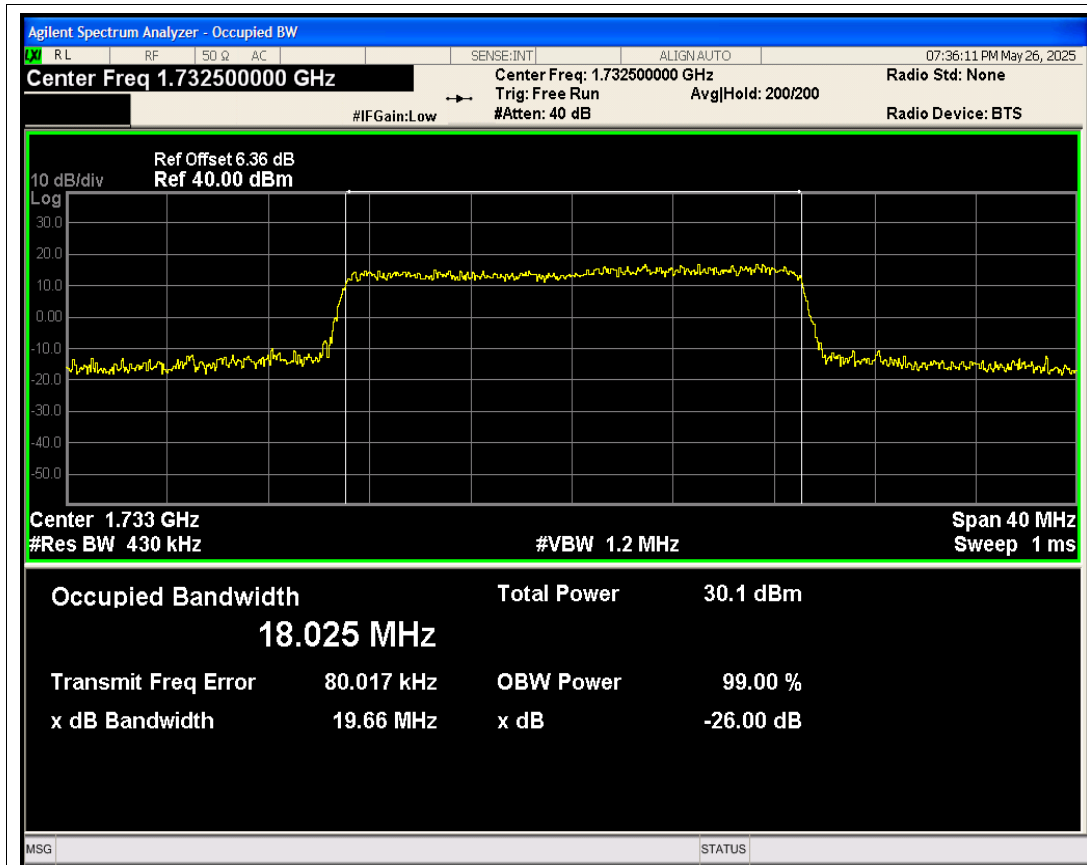




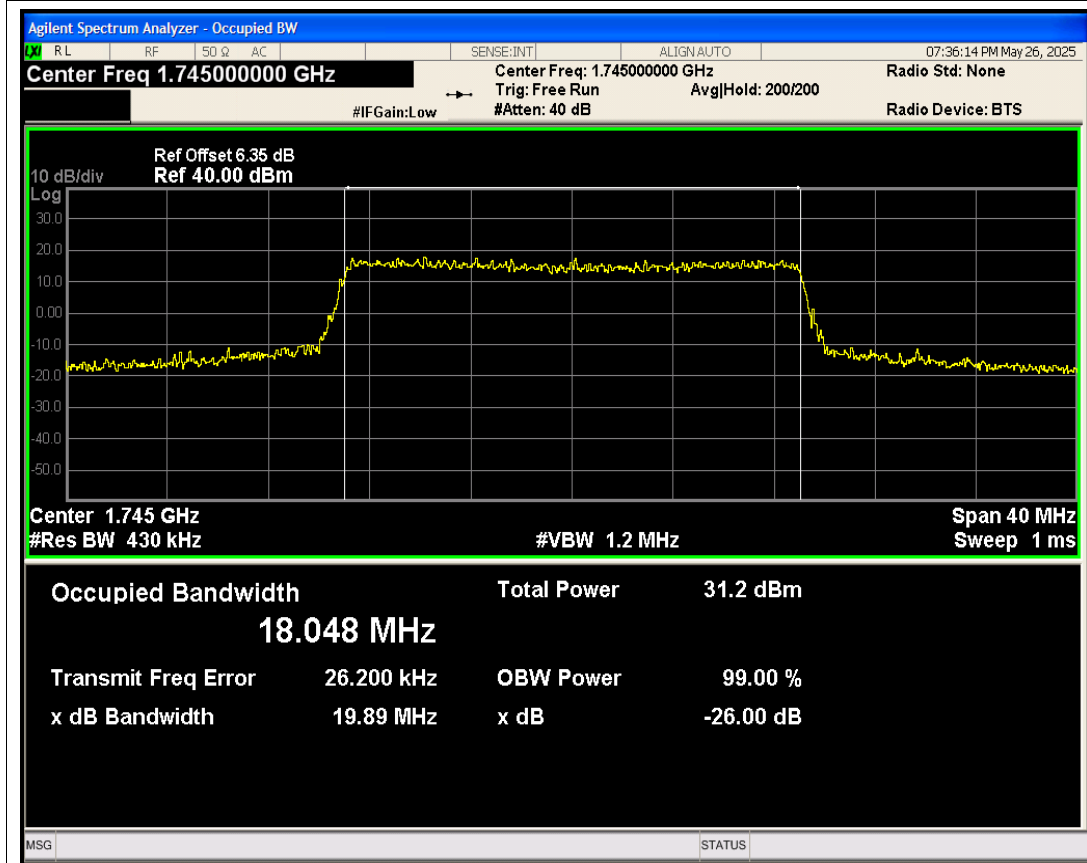
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

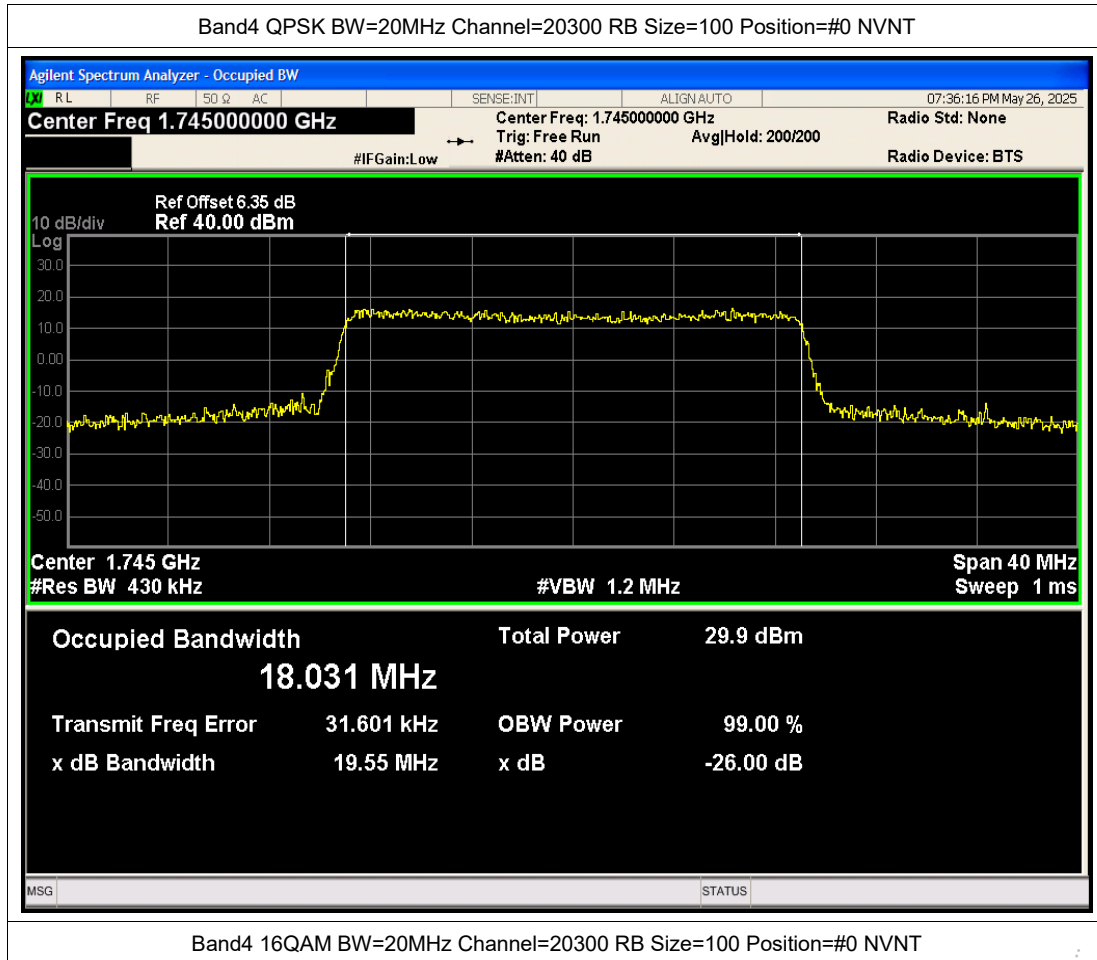






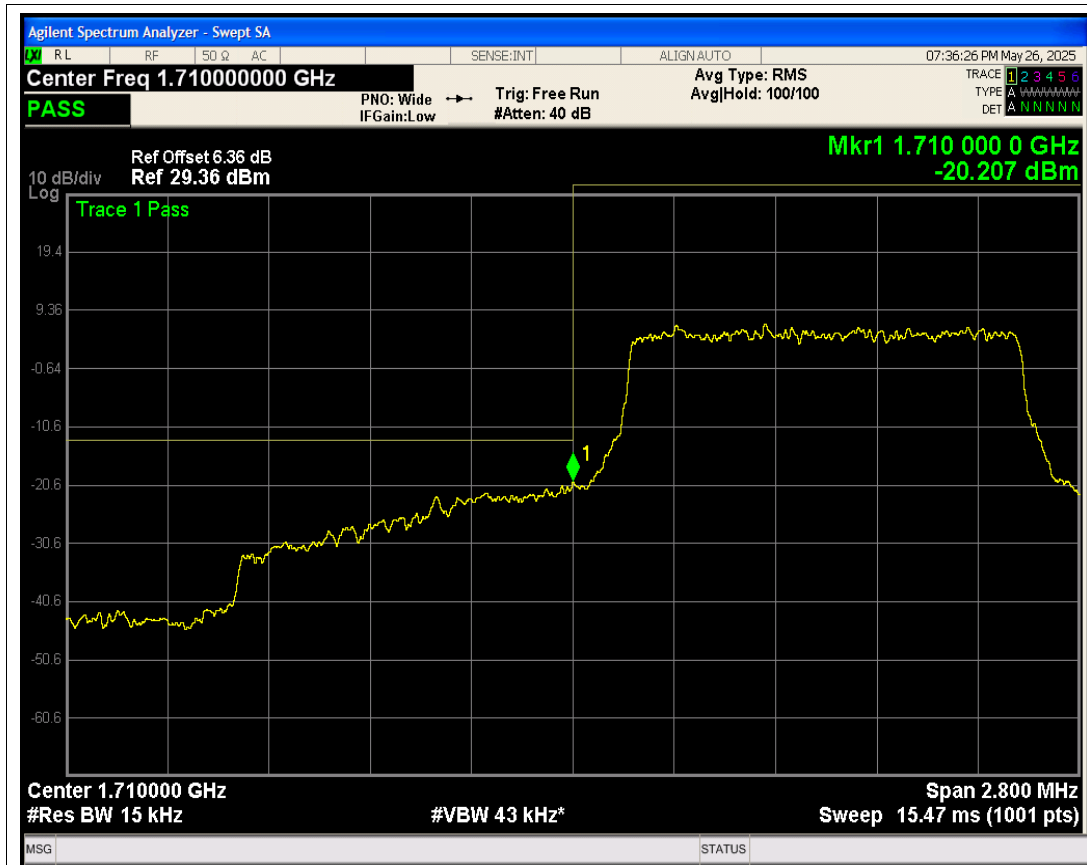
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





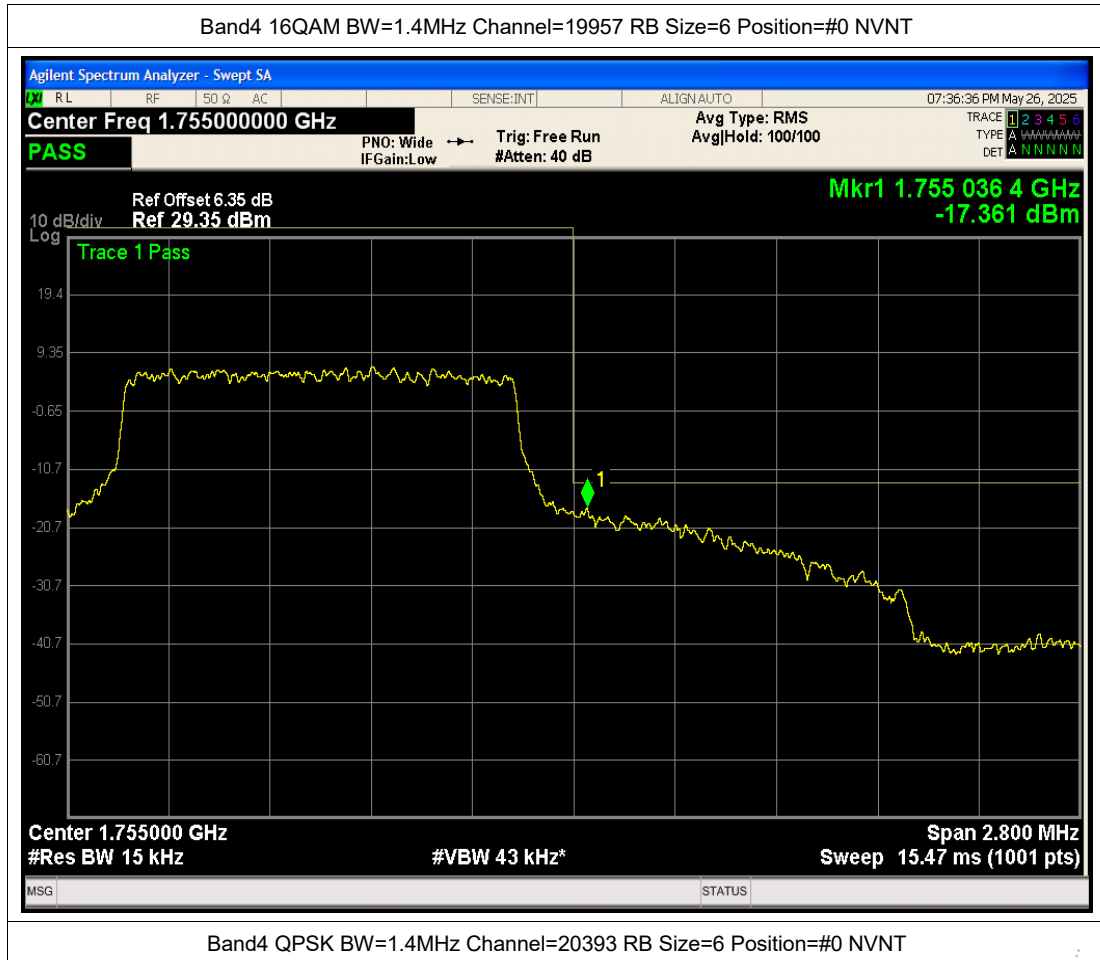
Appendix 5.Band edge

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	-20.20	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1709.96	-25.81	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.04	-17.36	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.01	-22.52	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-19.60	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-23.68	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-18.66	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-21.40	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1709.95	-22.55	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-26.74	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.26	-20.83	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-26.47	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1709.66	-22.47	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1709.92	-26.53	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.04	-23.70	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.00	-28.02	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.49	-17.72	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1709.76	-22.98	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.78	-22.17	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.00	-27.90	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1709.92	-18.16	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1709.72	-23.39	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.08	-24.93	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.92	-30.18	-13	PASS



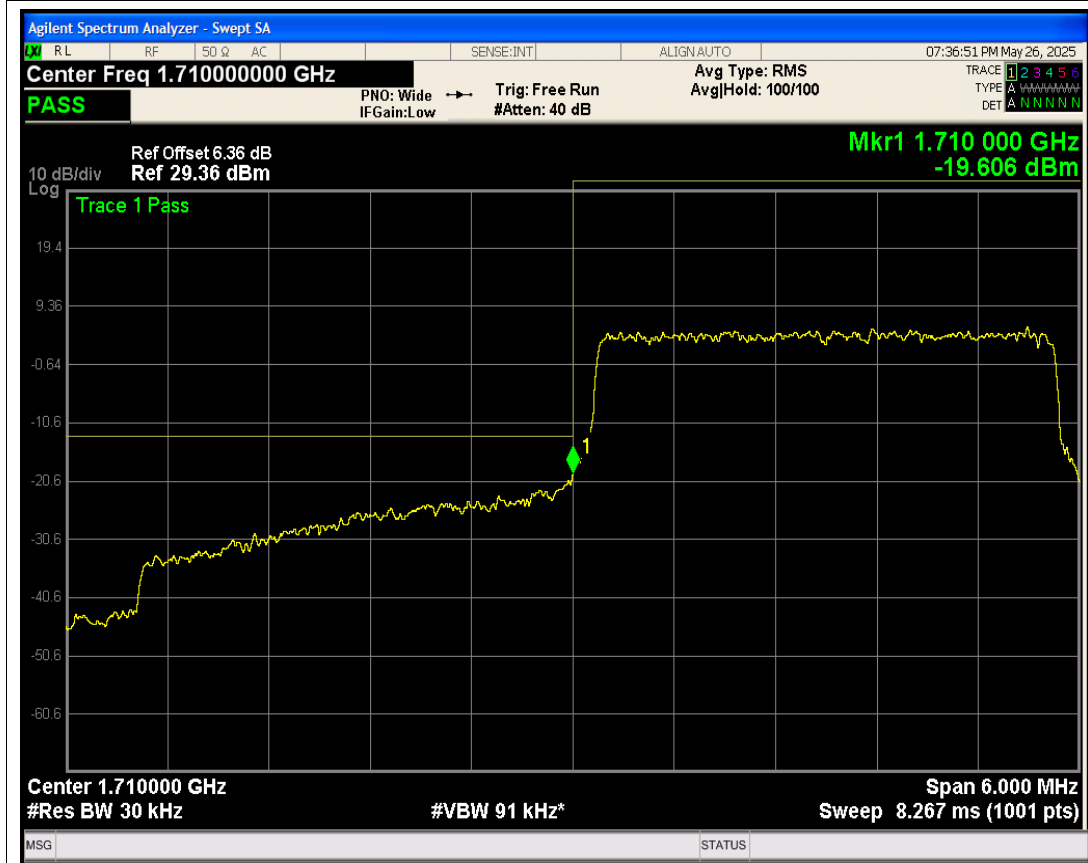
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

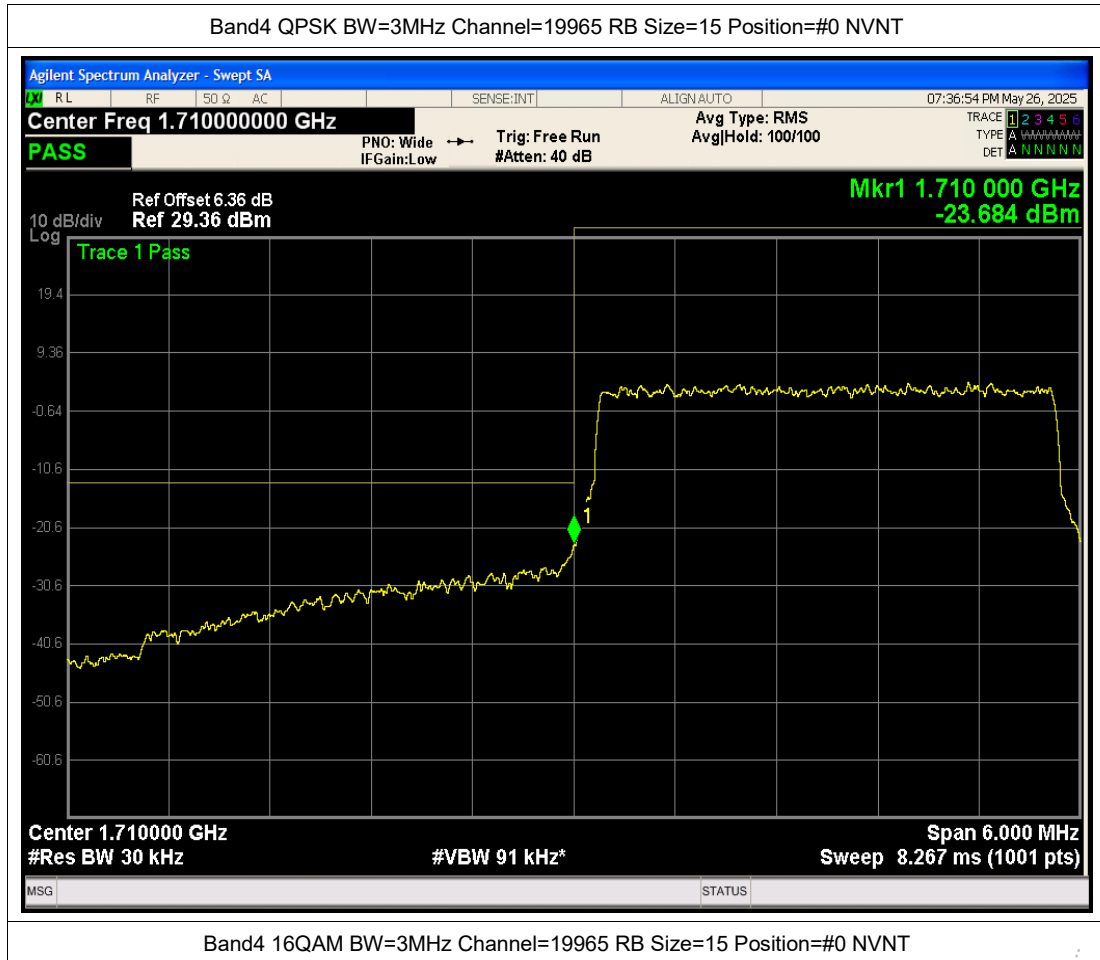


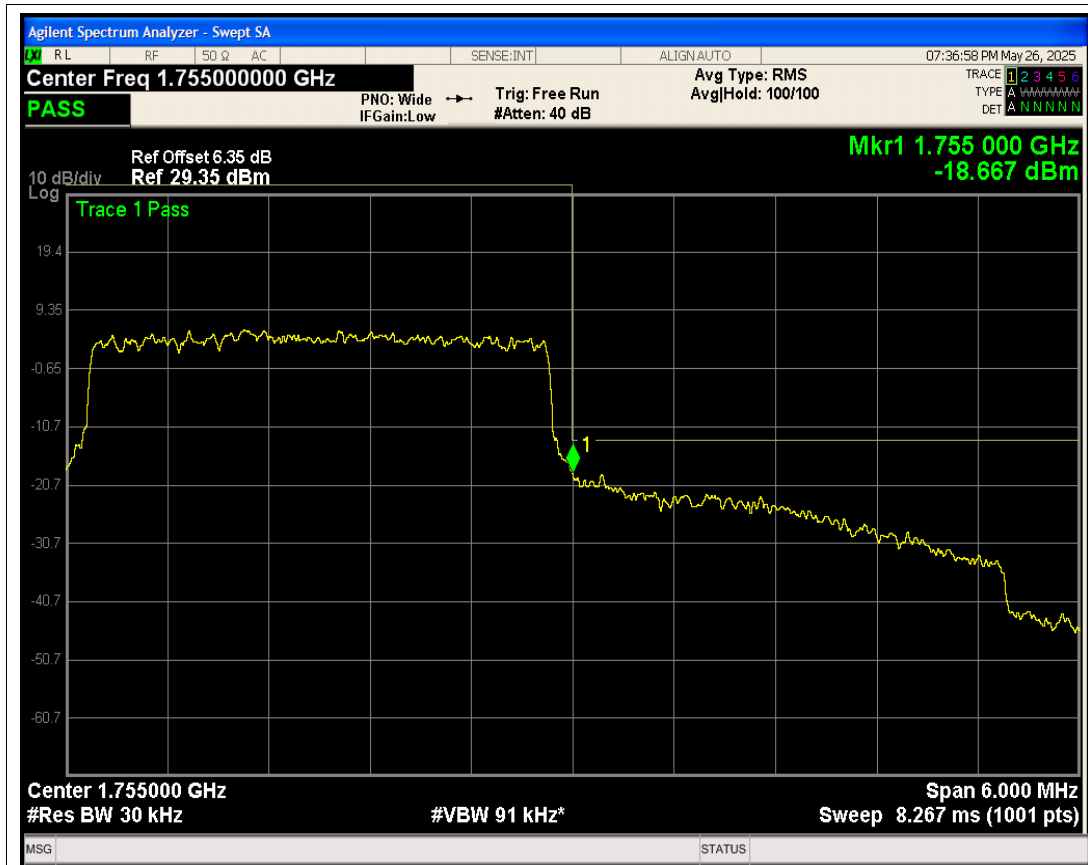




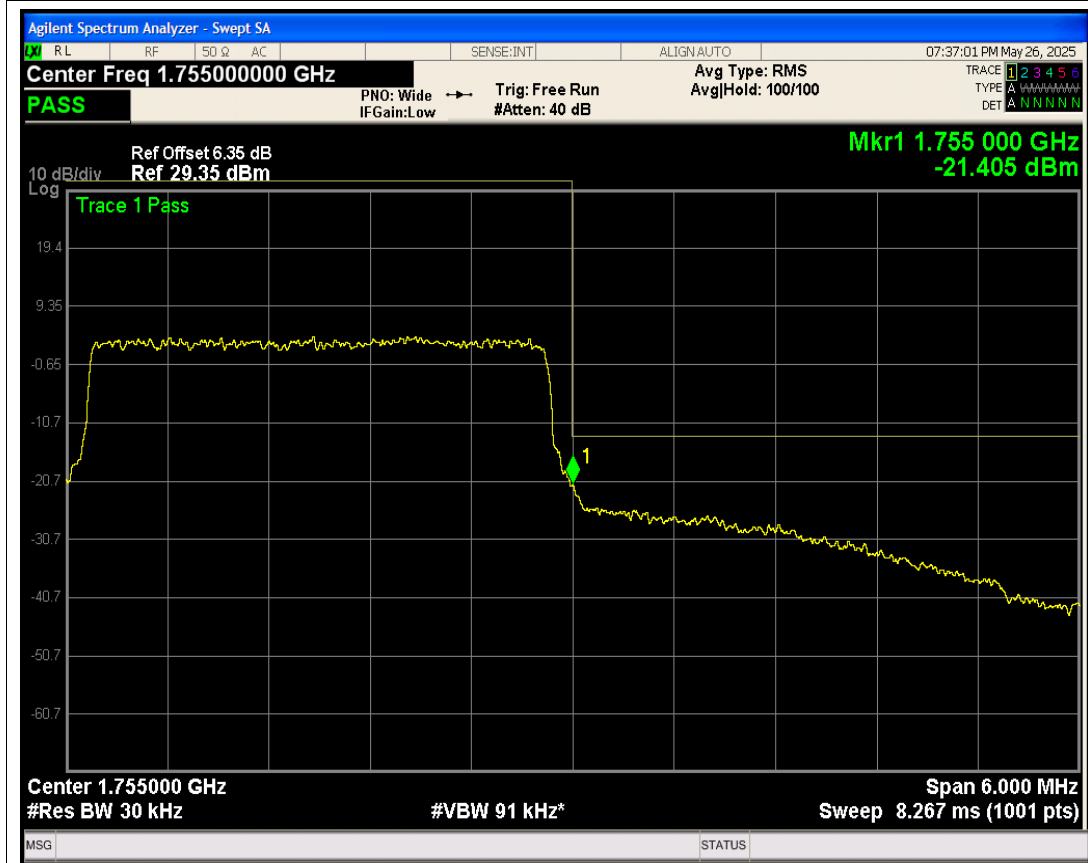
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

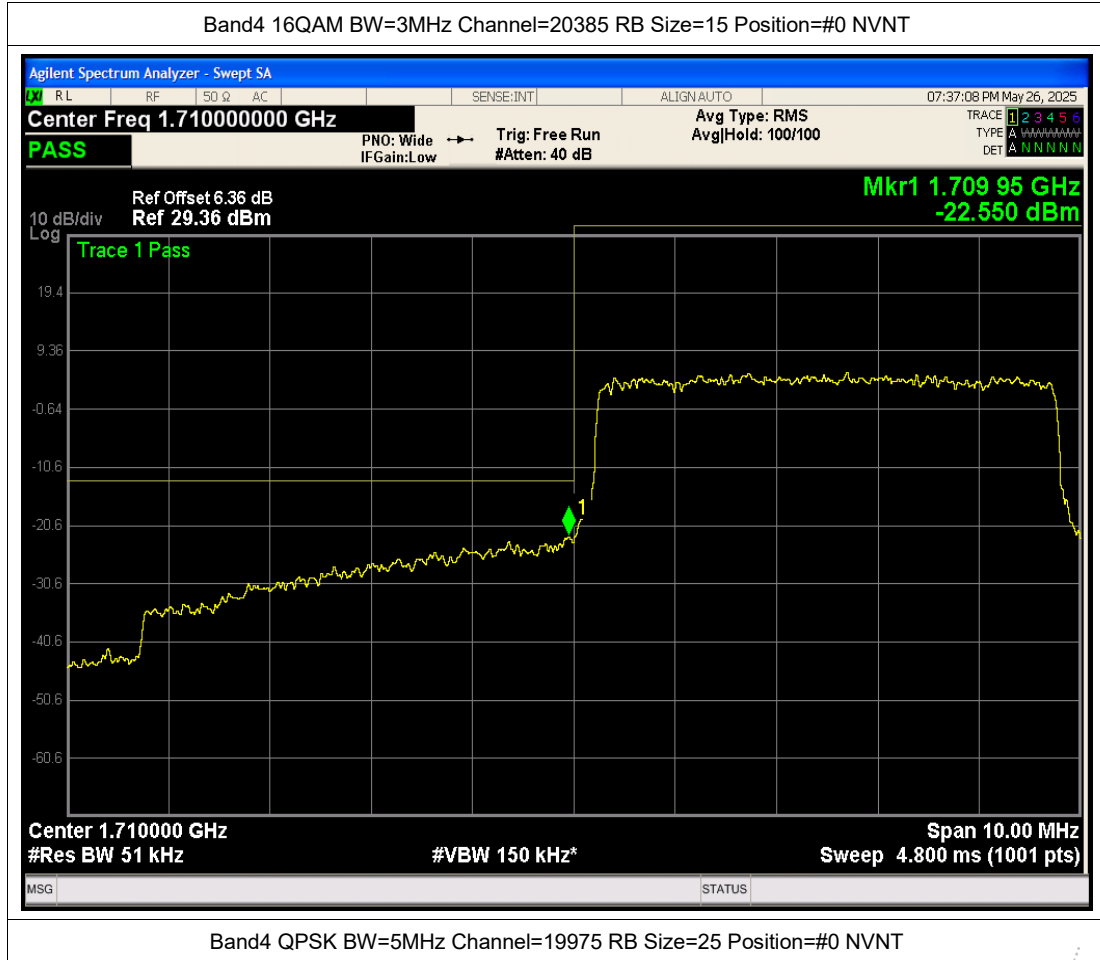


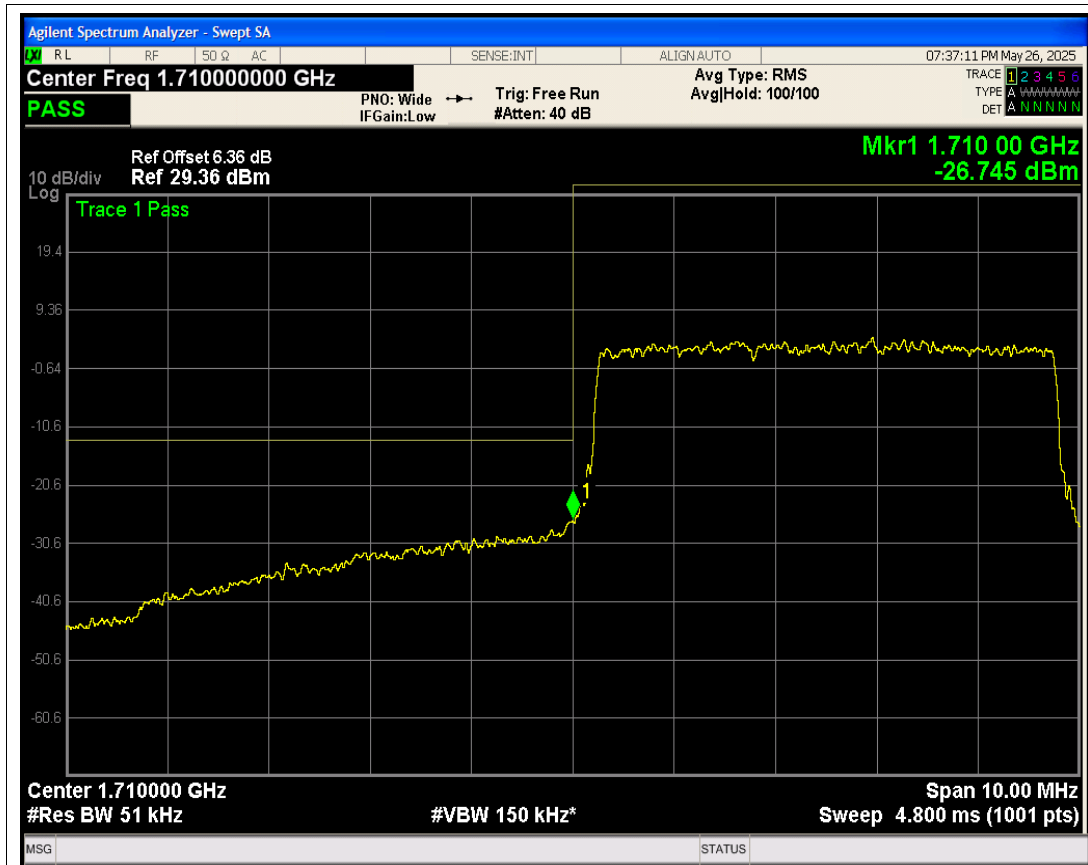




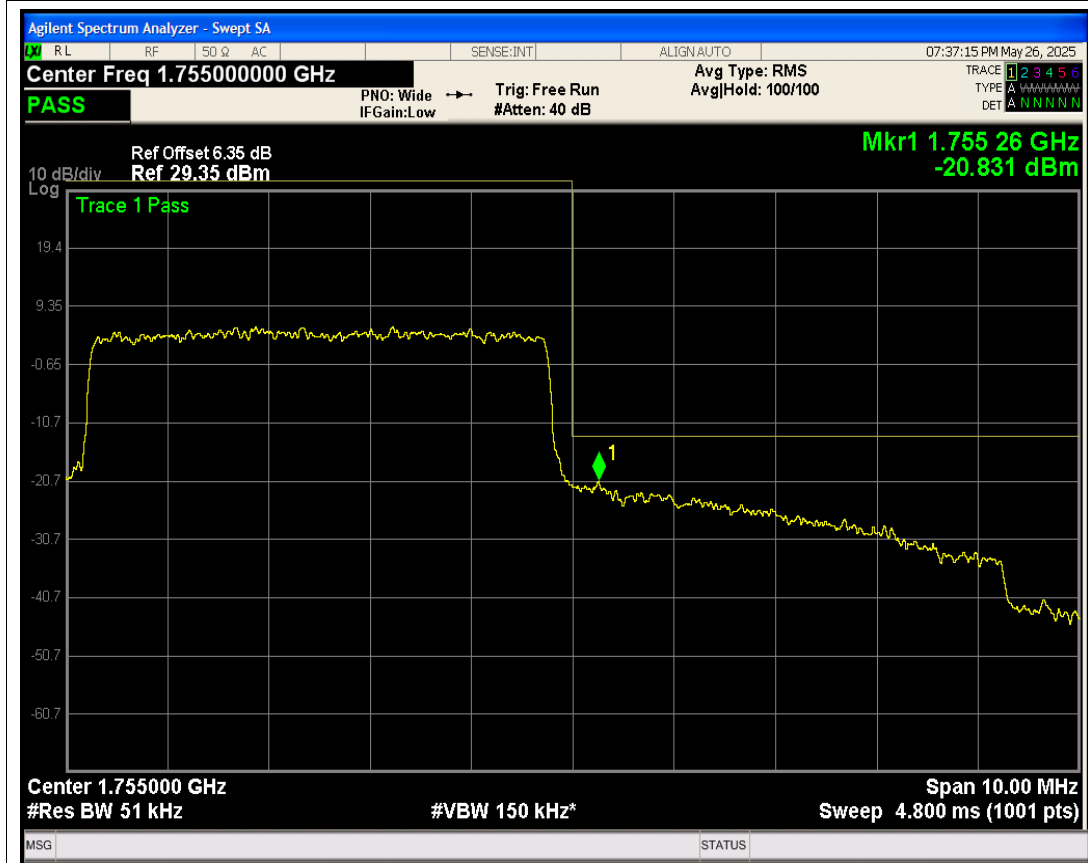
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



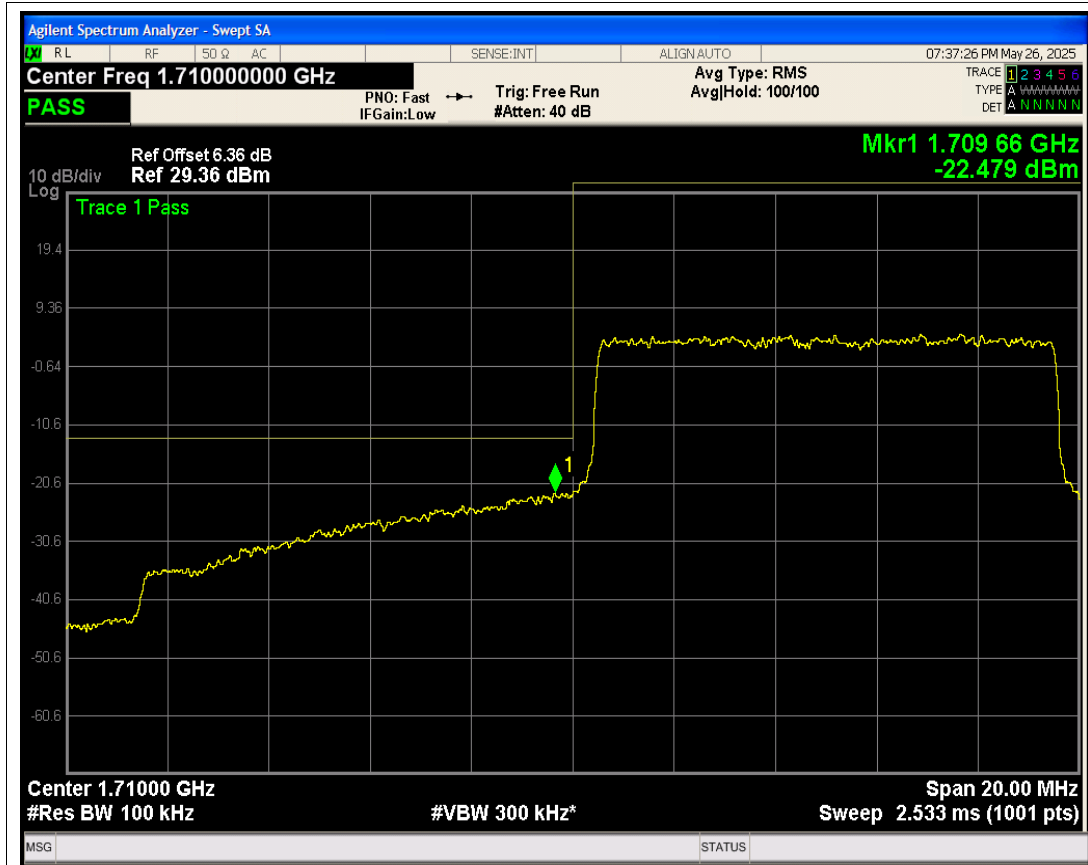




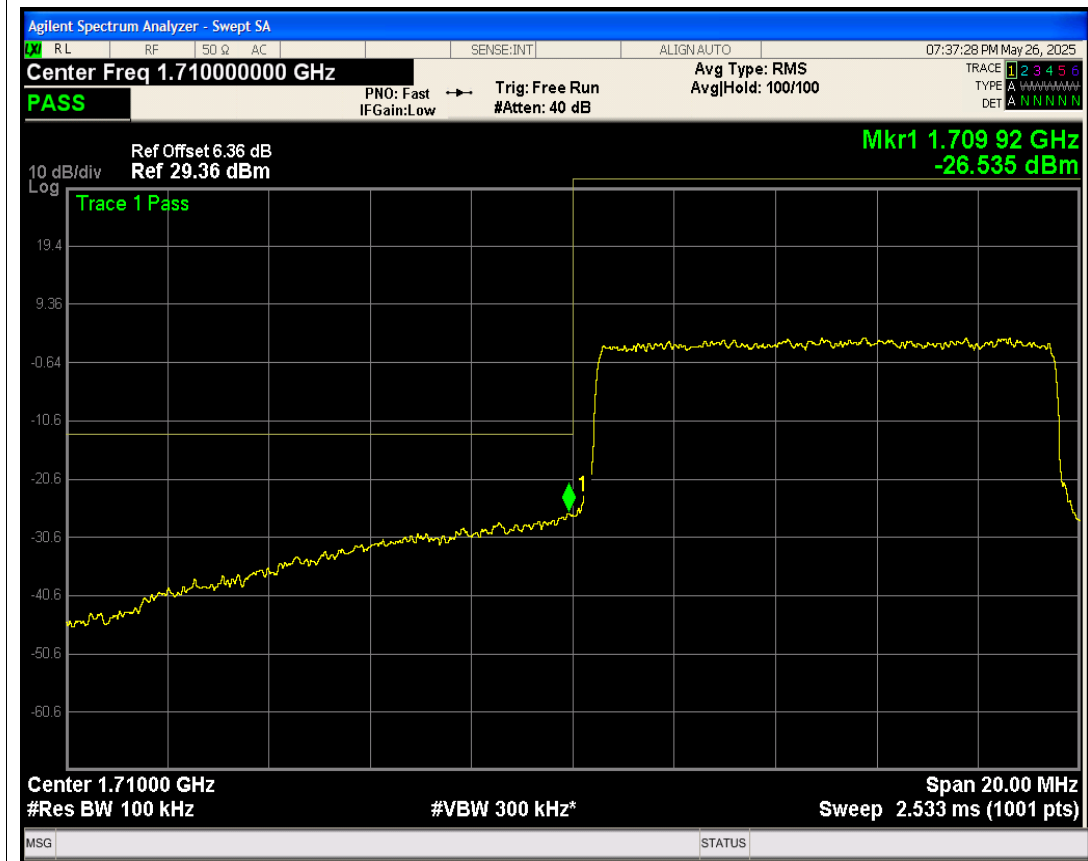
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

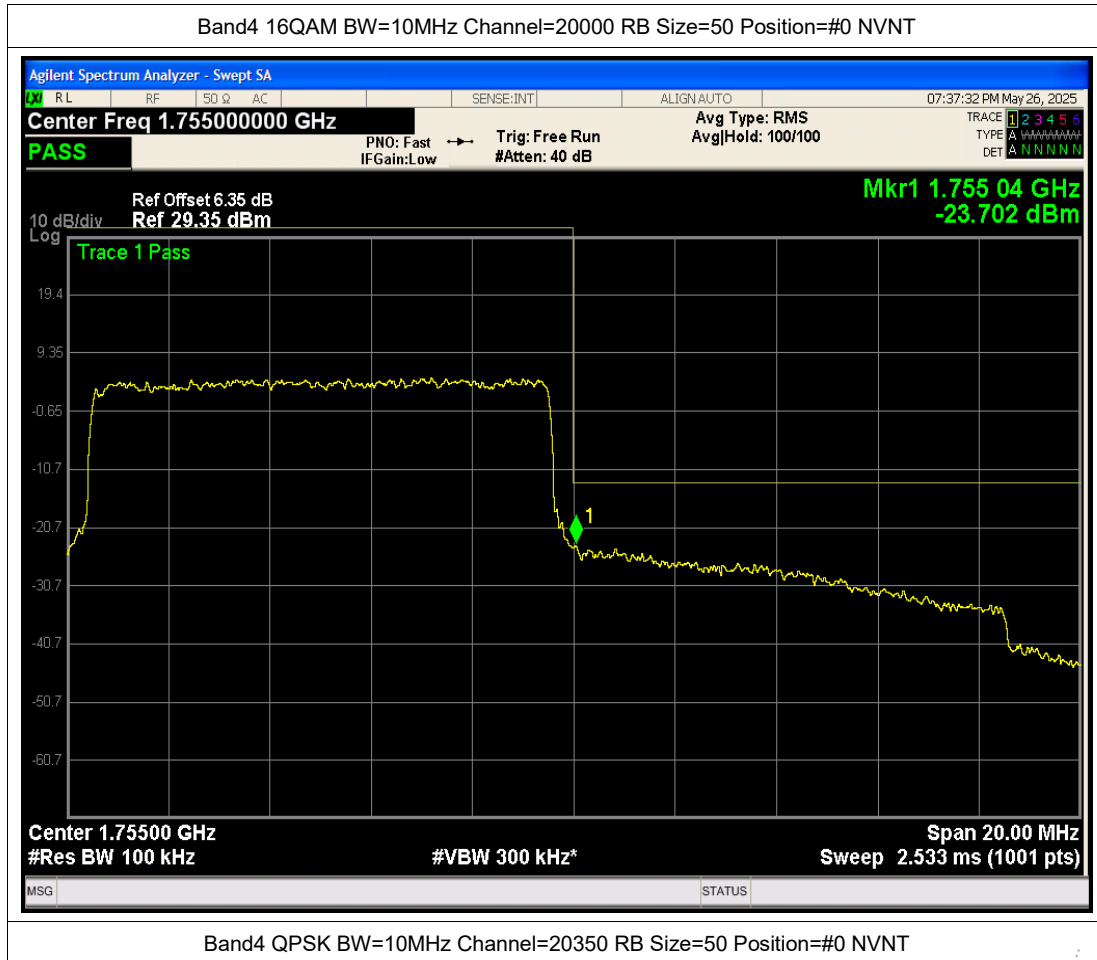


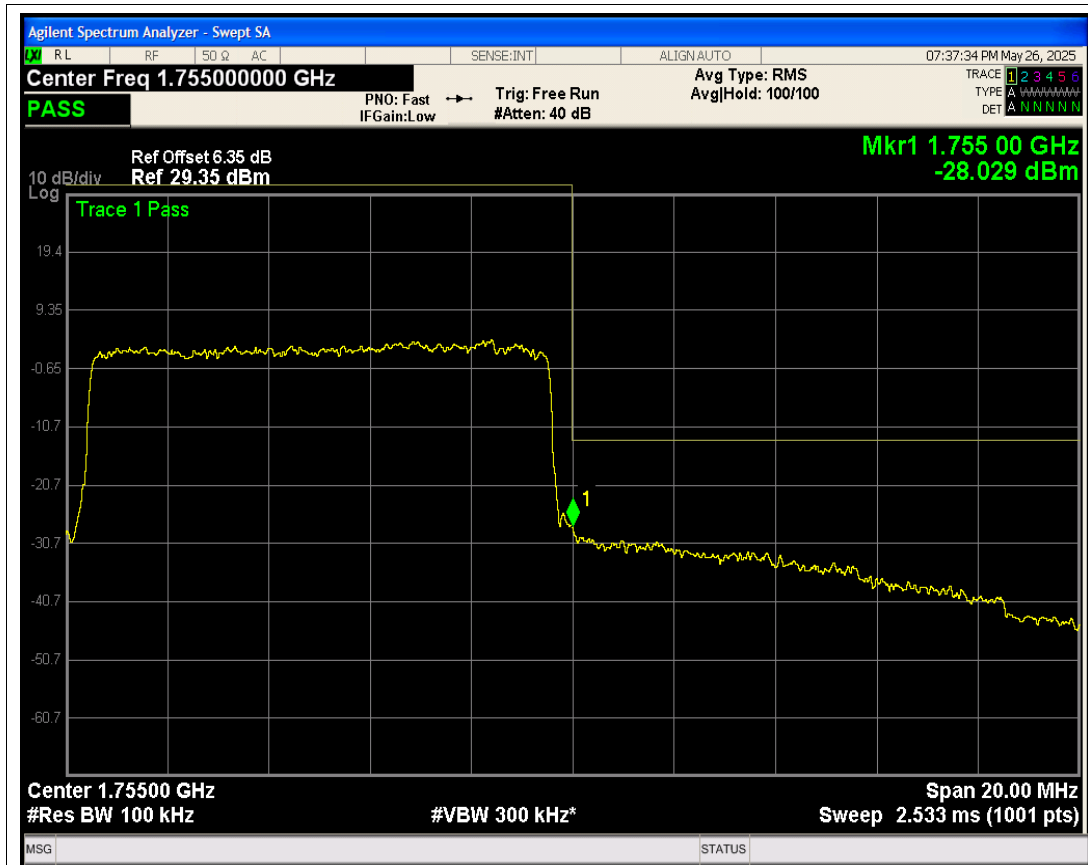




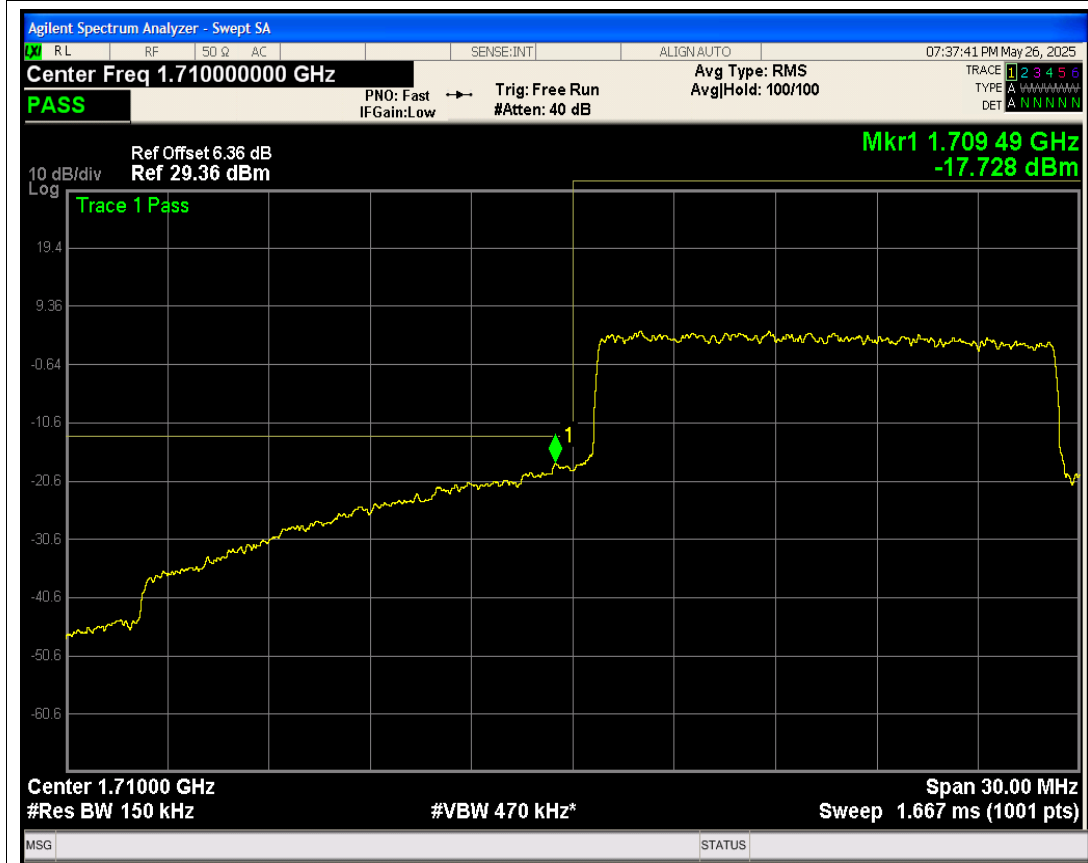
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

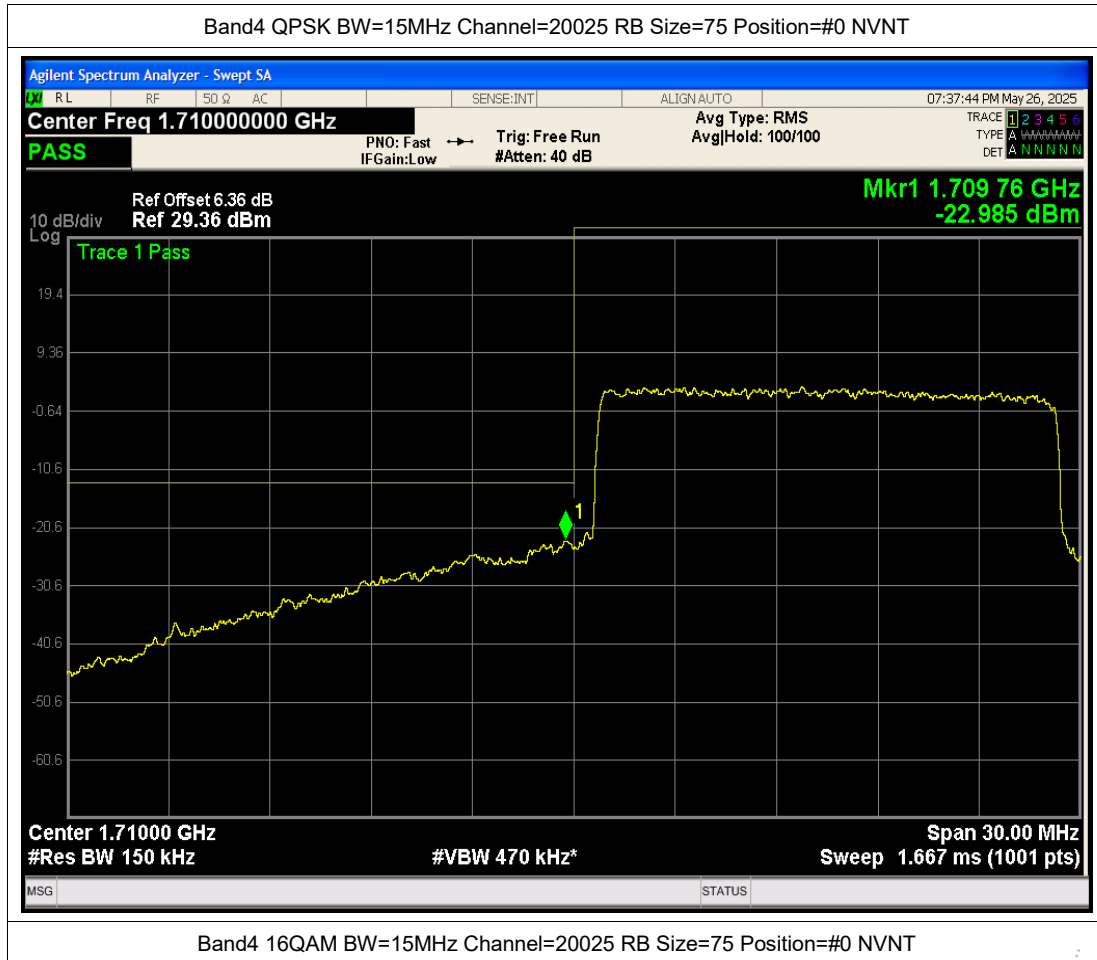


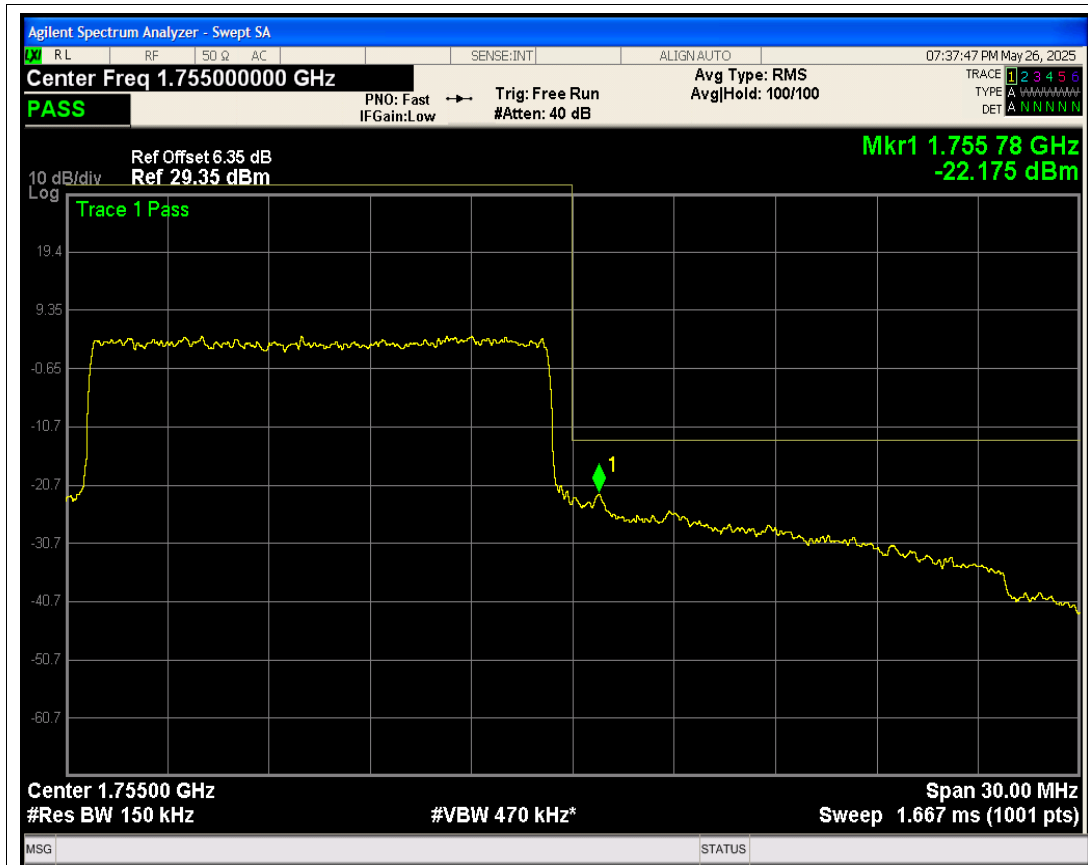




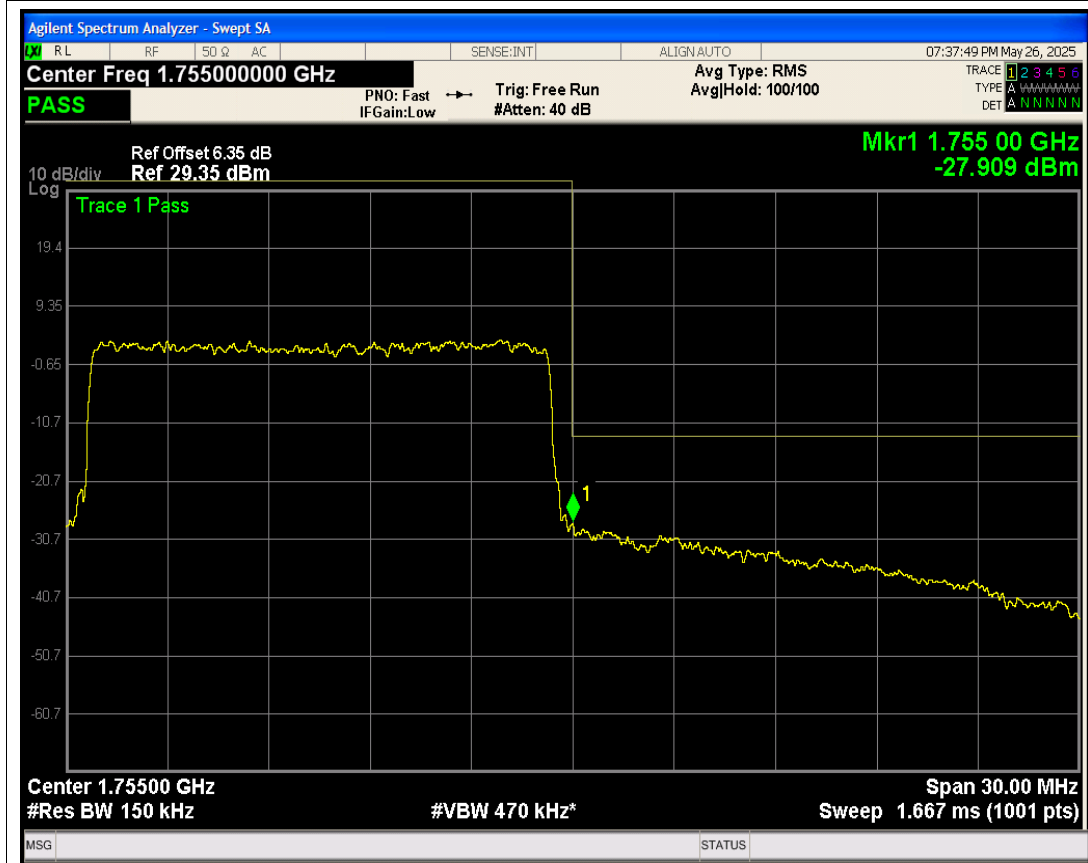
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

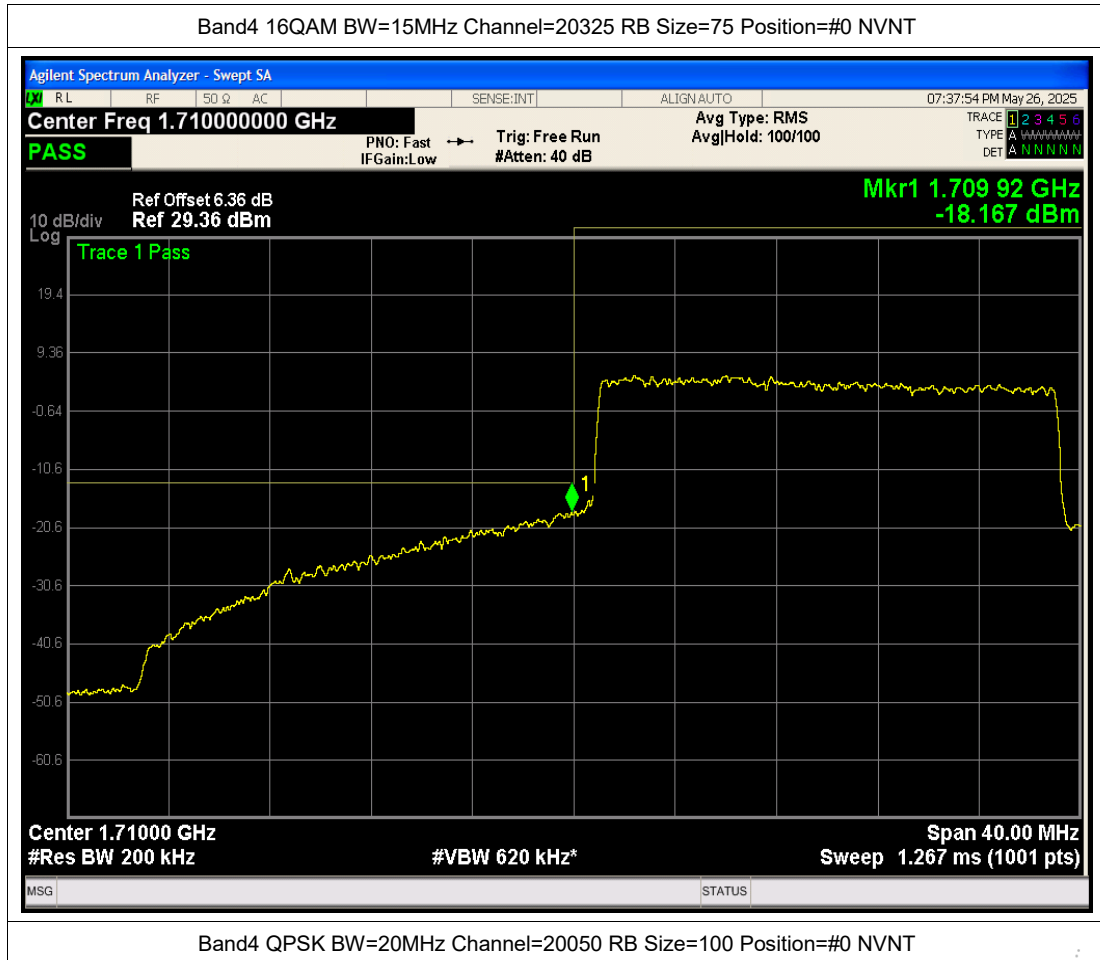


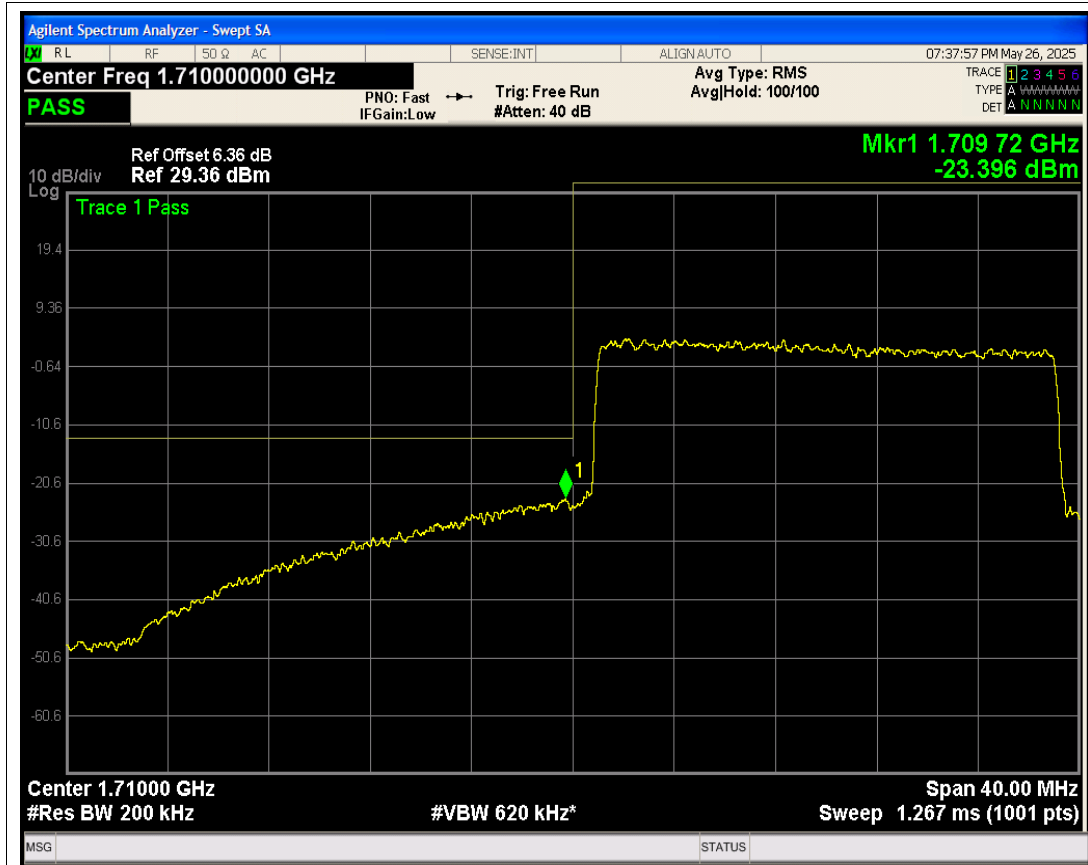




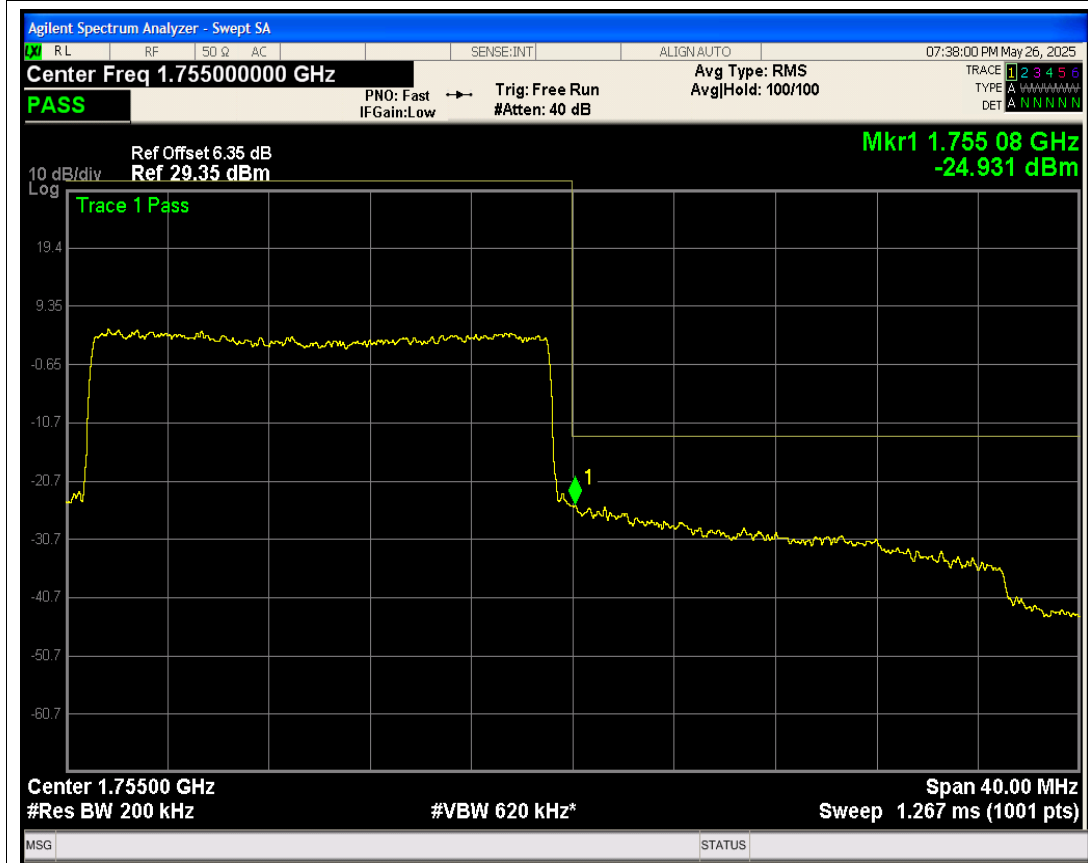
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

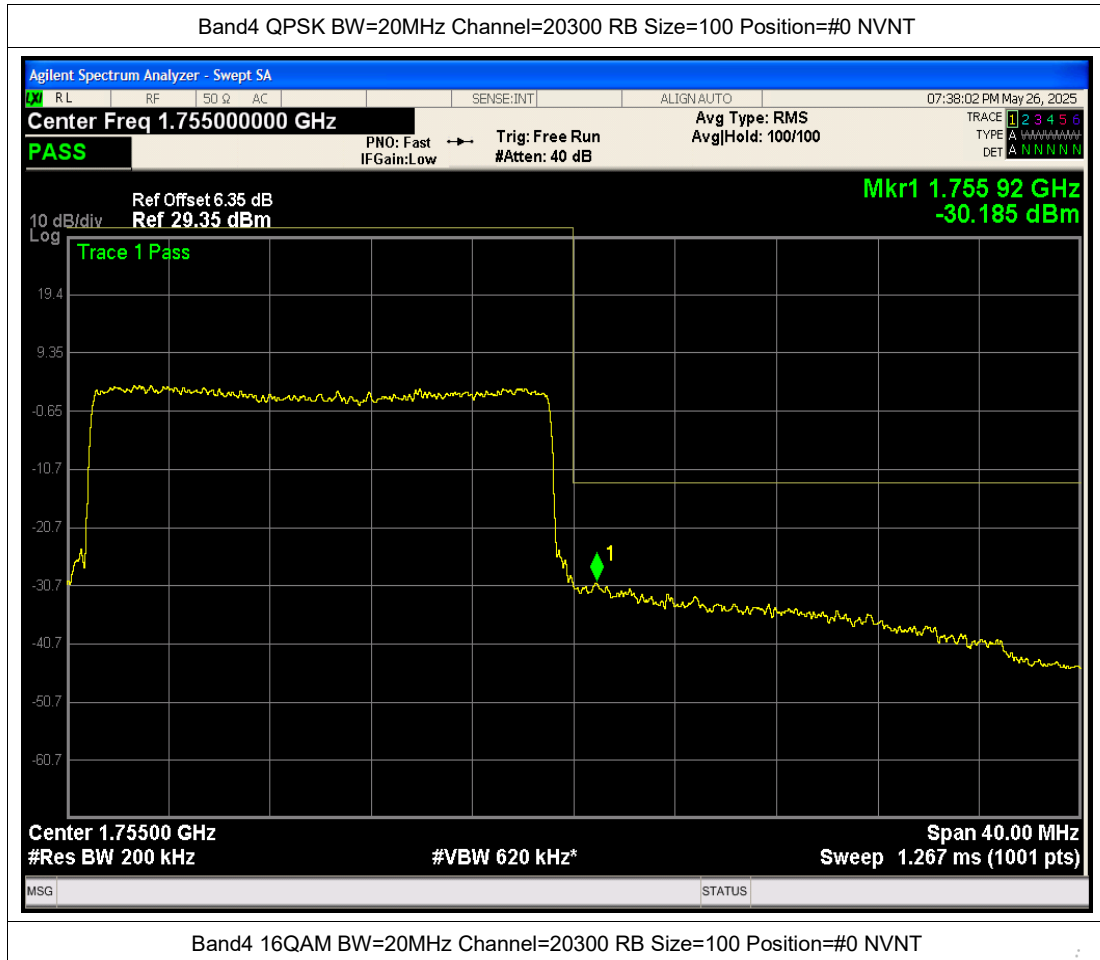






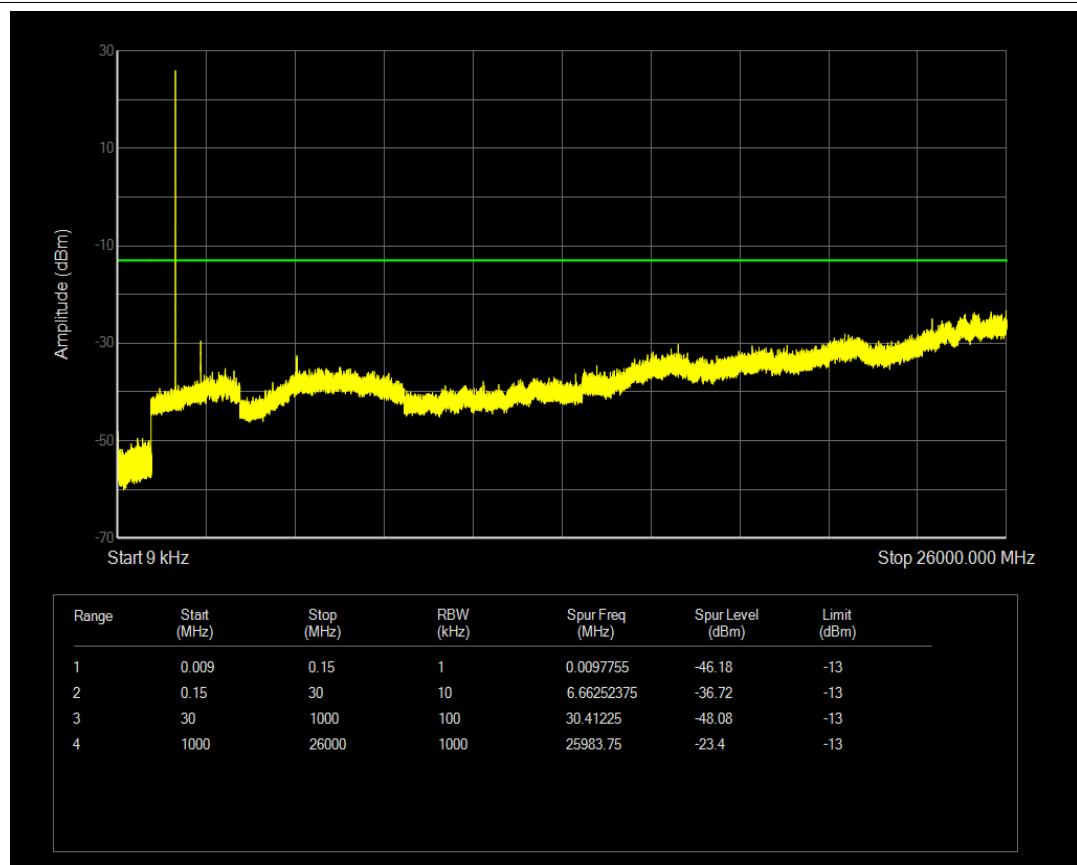
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



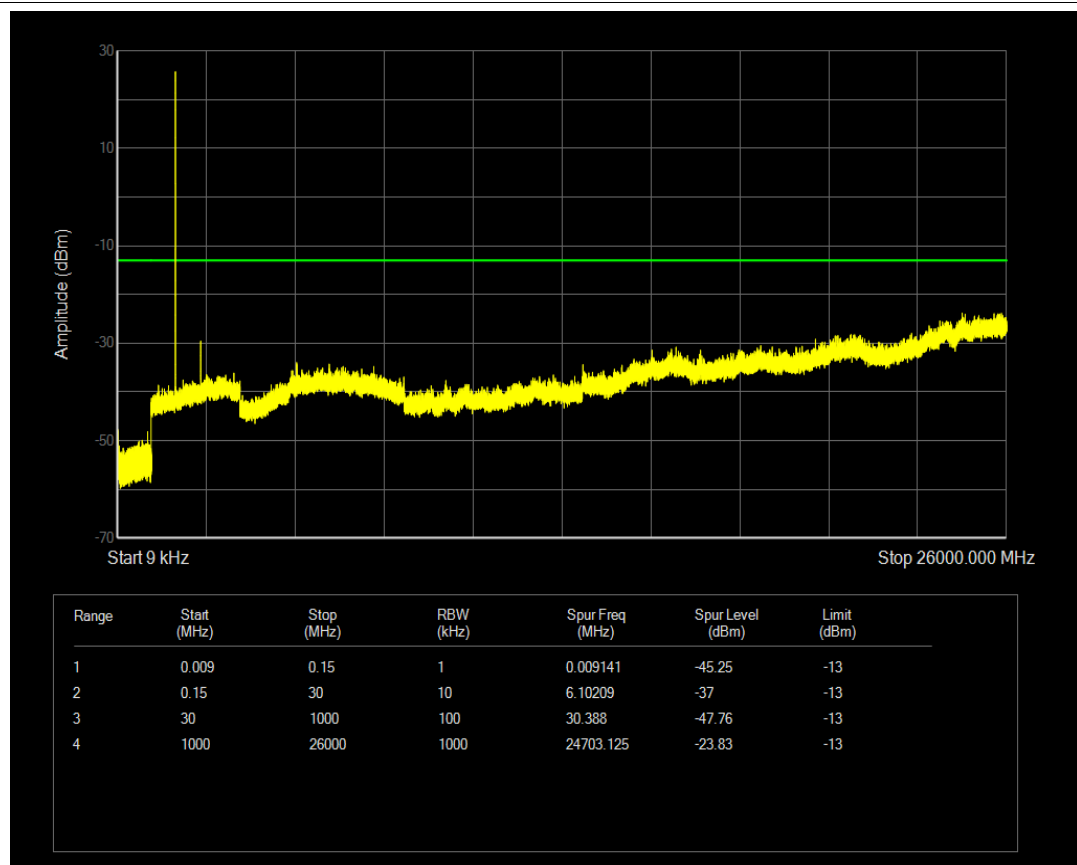


Appendix 6.Out-of-band emissions

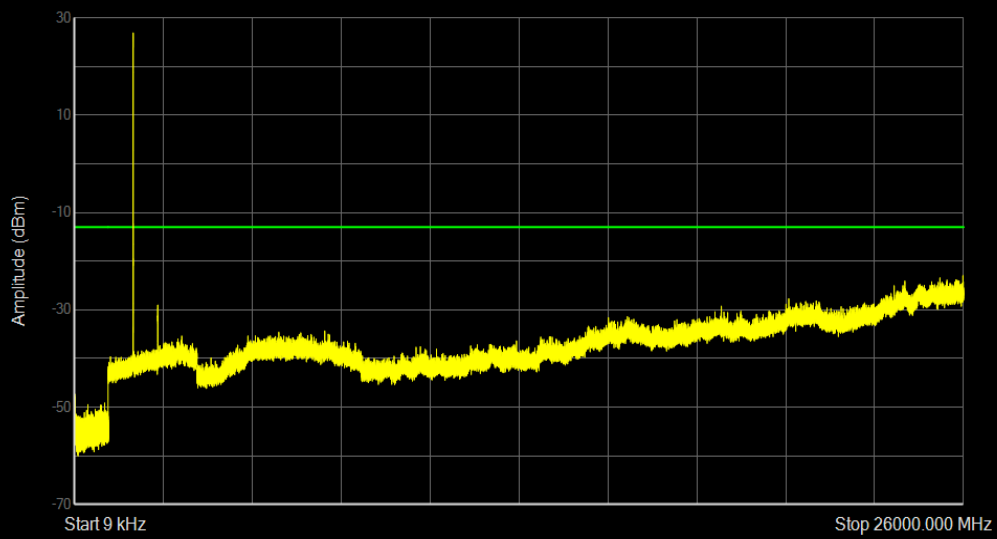
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25983.75	-23.40	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	24703.13	-23.83	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25980.63	-22.98	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25926.25	-23.68	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25144.38	-23.60	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25766.88	-23.76	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25412.50	-23.84	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25740.63	-23.70	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25109.38	-23.71	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25057.50	-23.53	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25808.13	-23.07	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25713.13	-22.73	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25991.25	-23.63	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25969.38	-23.71	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25085.00	-23.81	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25677.50	-22.97	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25101.88	-23.81	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25090.63	-23.57	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25743.75	-22.43	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25622.50	-23.20	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25745.00	-23.28	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25511.25	-23.27	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25866.88	-23.31	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	24693.13	-24.09	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	25517.50	-22.98	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25819.38	-23.57	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25919.38	-23.39	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25937.50	-23.19	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25824.38	-23.04	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25444.38	-23.33	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25973.13	-23.78	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25957.50	-23.16	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25957.50	-23.81	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25835.00	-23.64	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25791.88	-23.87	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	24699.38	-23.17	-13	PASS



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

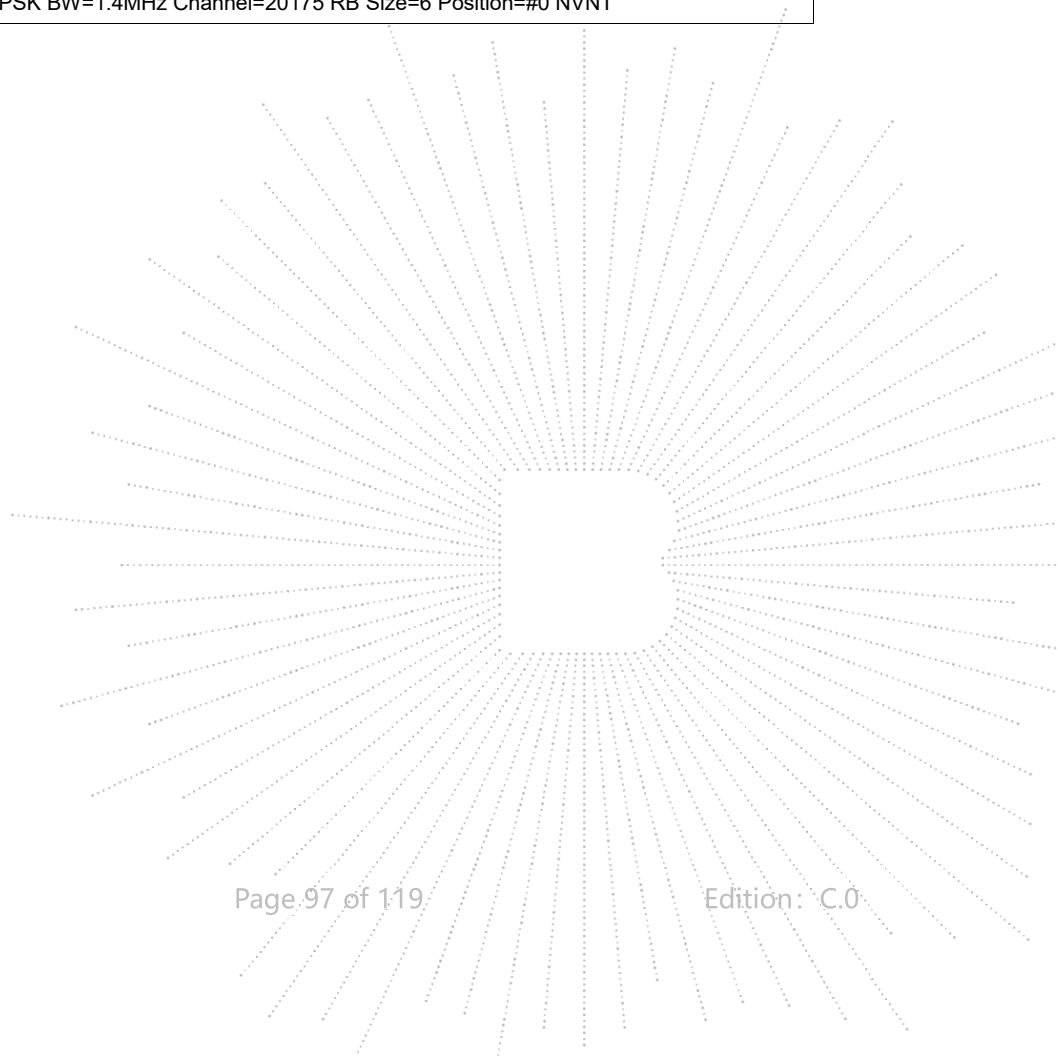


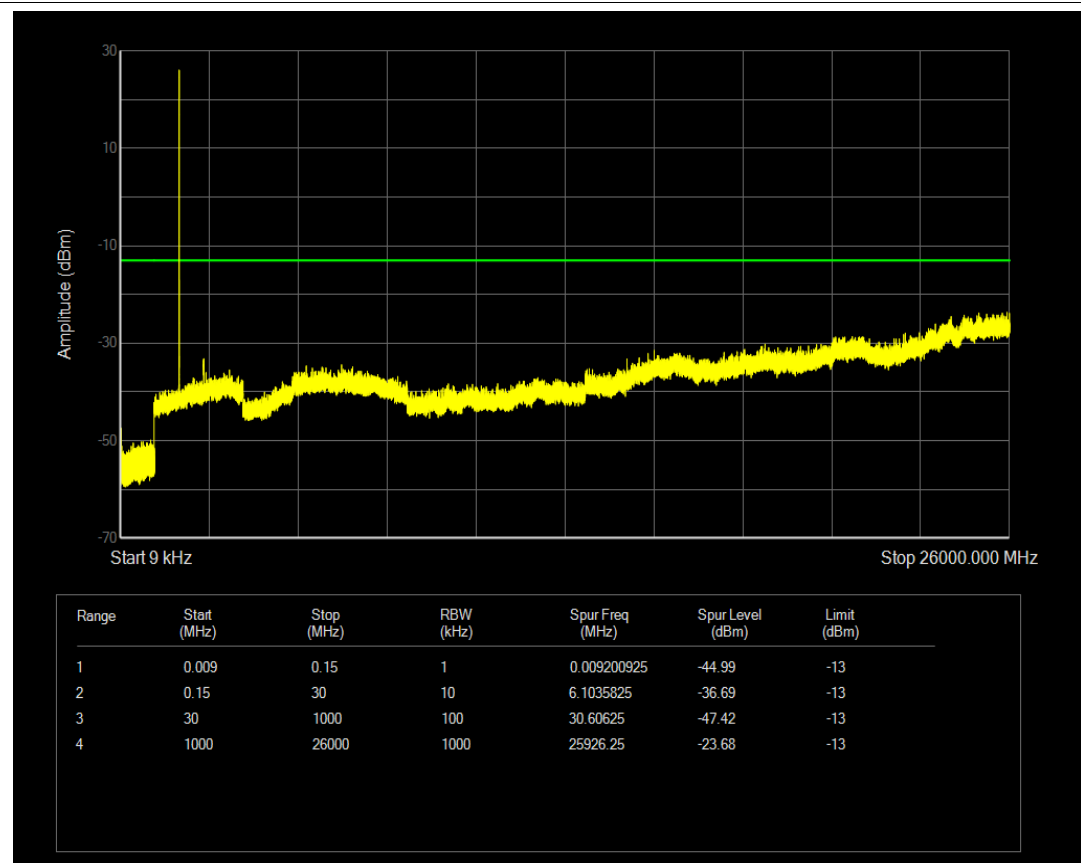
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



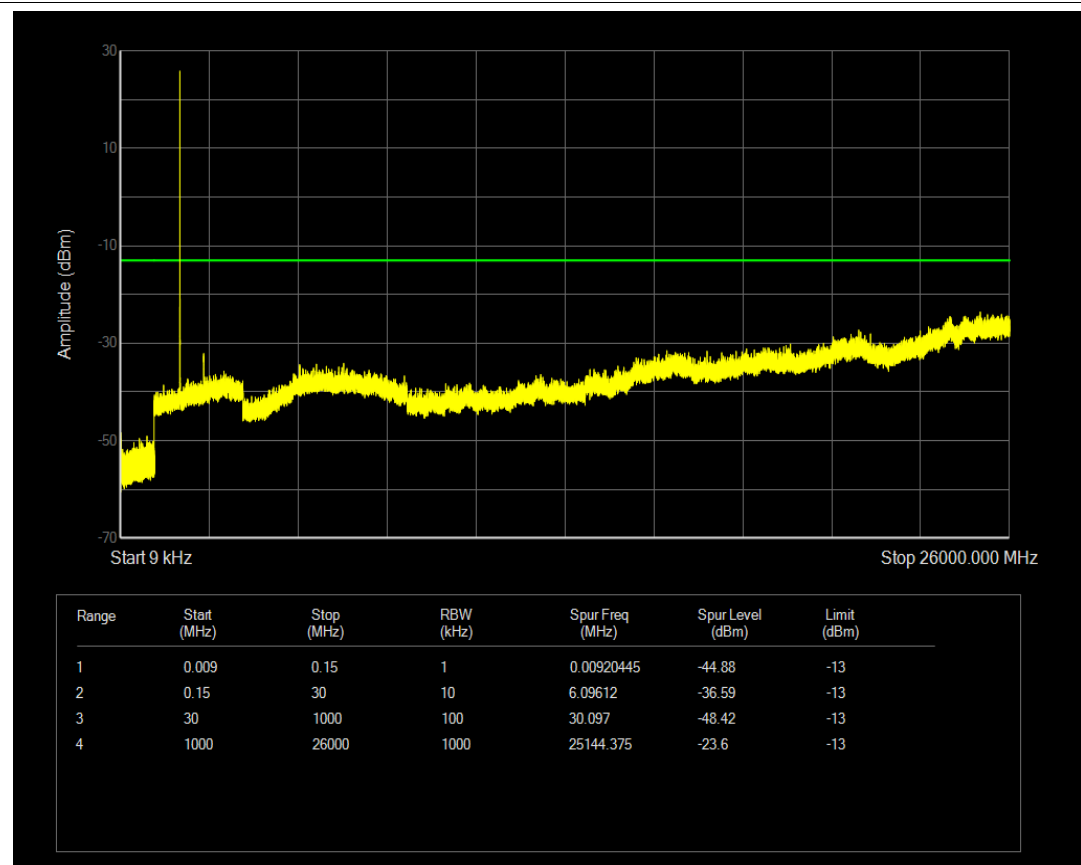
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.23	-13
2	0.15	30	10	5.9991075	-37.83	-13
3	30	1000	100	30.46075	-47.36	-13
4	1000	26000	1000	25980.625	-22.98	-13

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

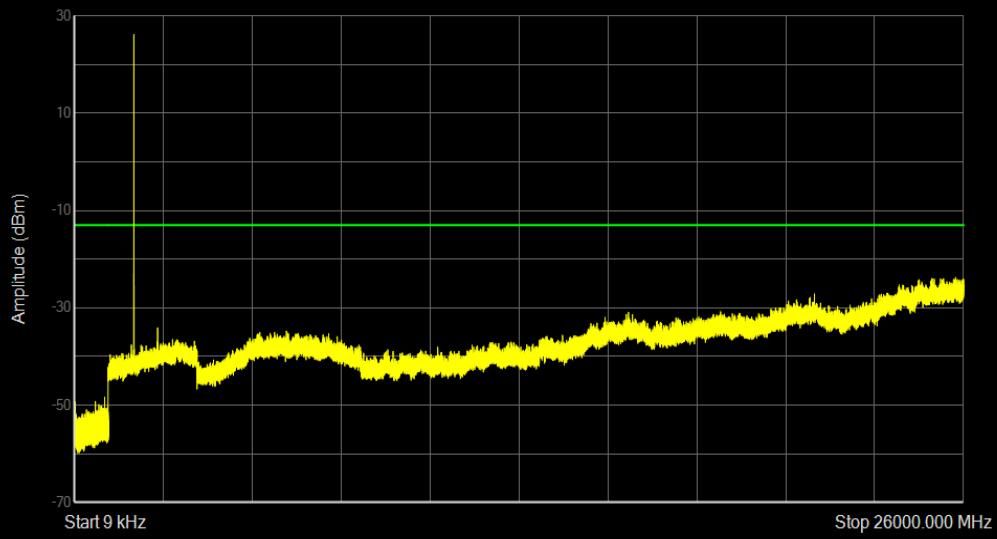




Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

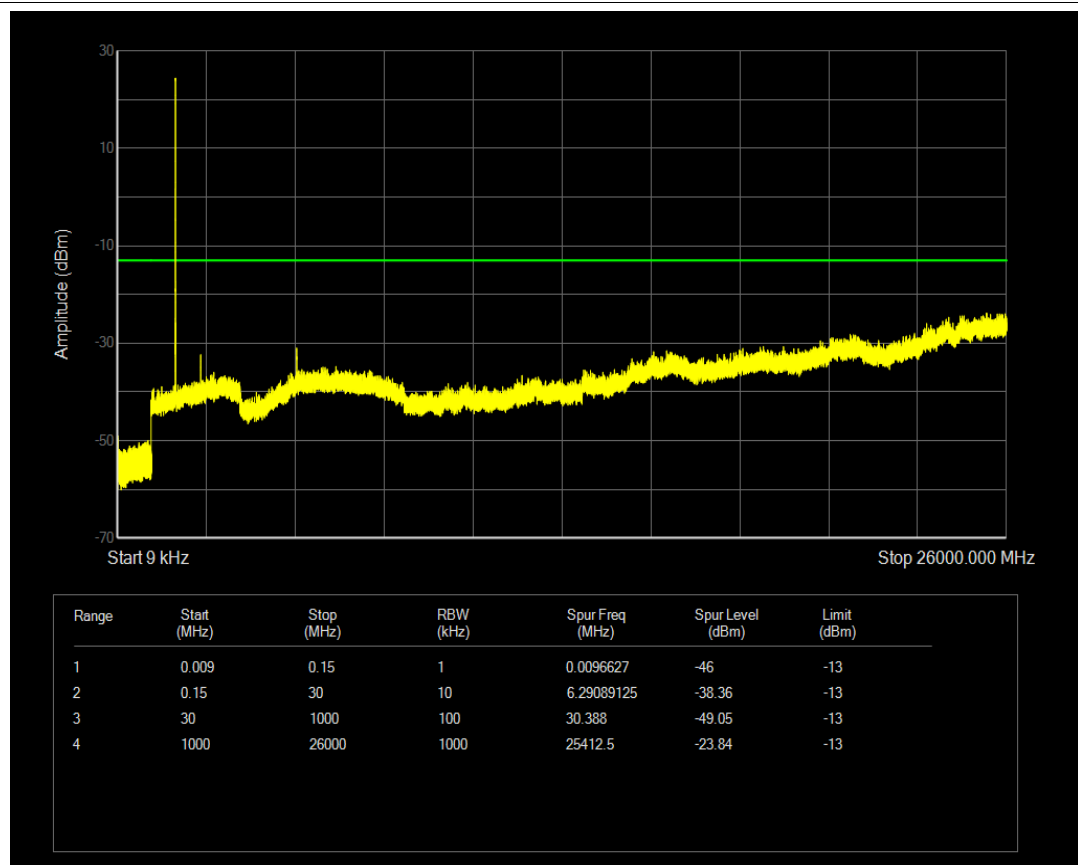


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

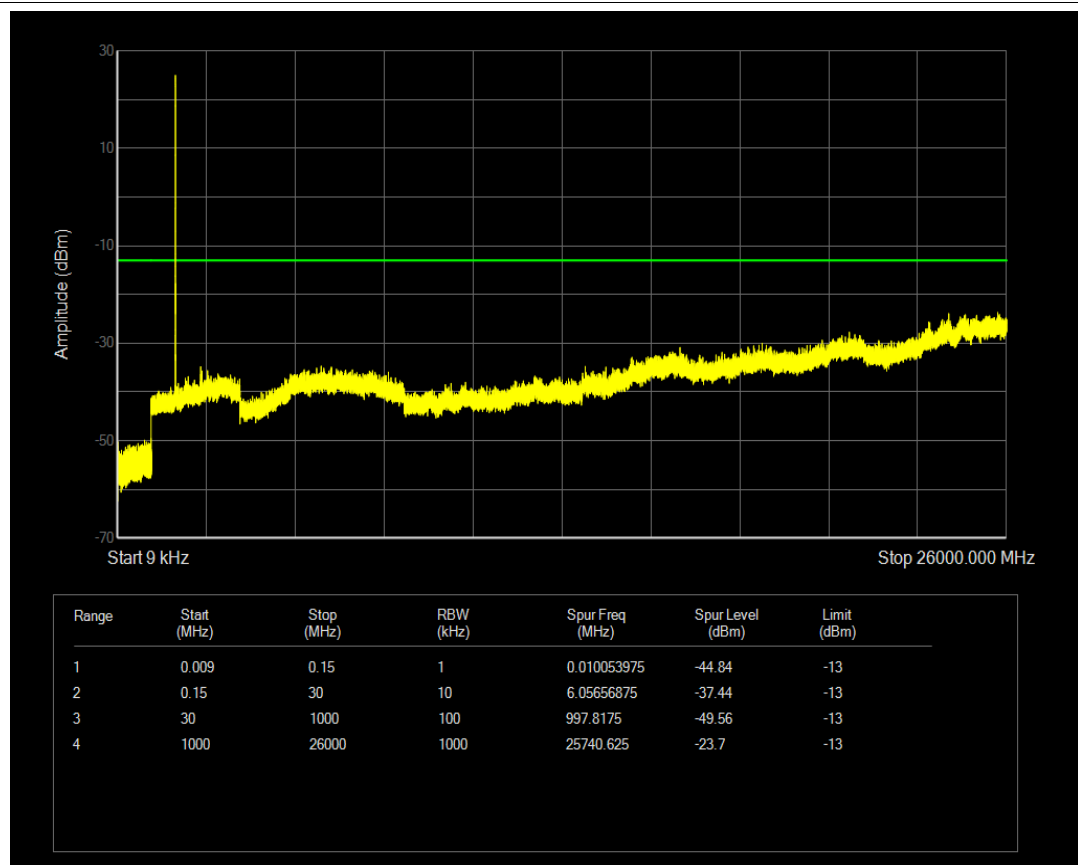


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00923265	-45.82	-13
2	0.15	30	10	6.46551375	-37.71	-13
3	30	1000	100	900.0415	-48.38	-13
4	1000	26000	1000	25766.875	-23.76	-13

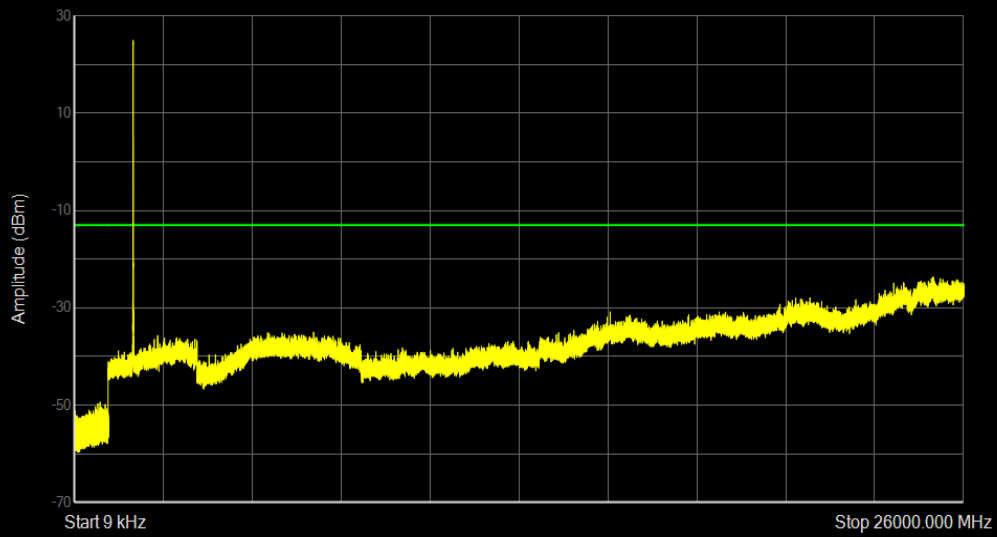
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

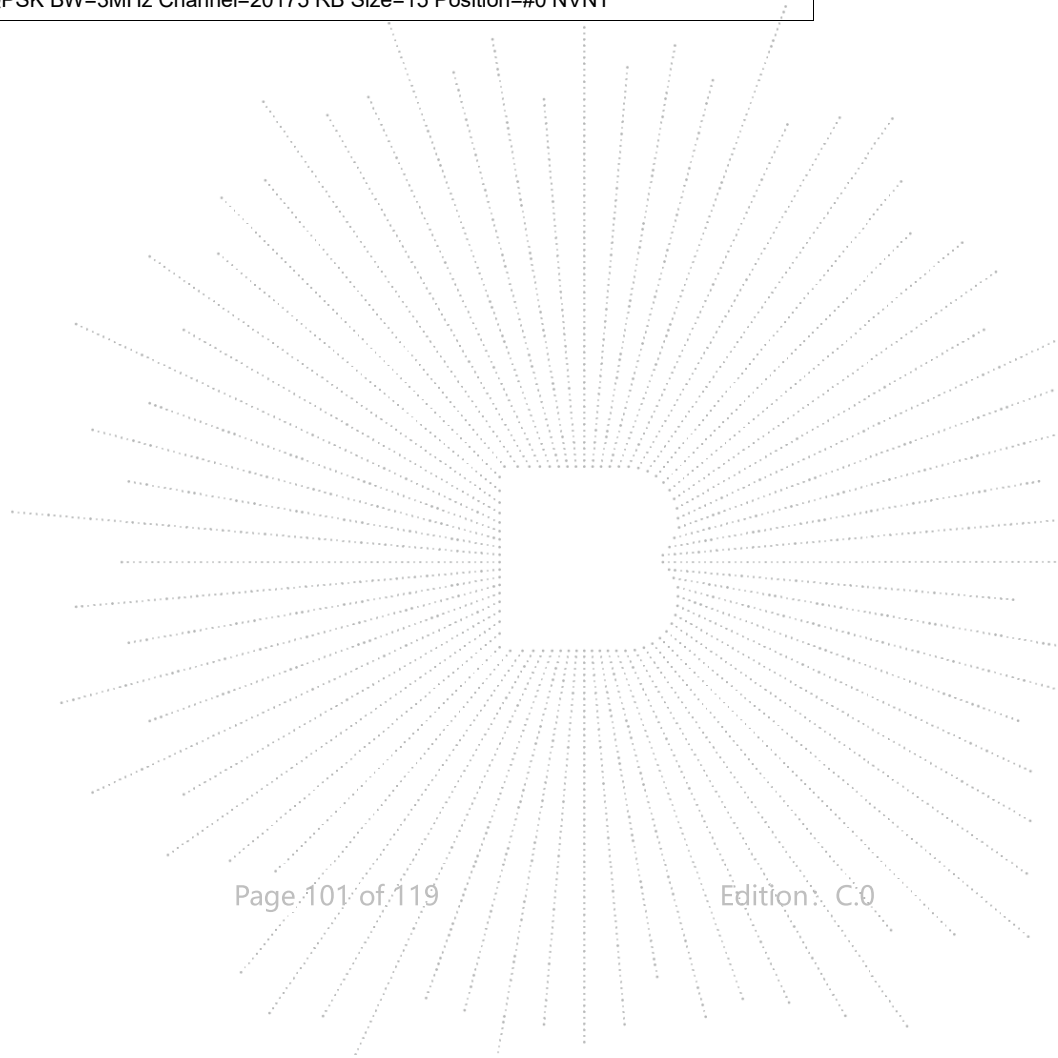


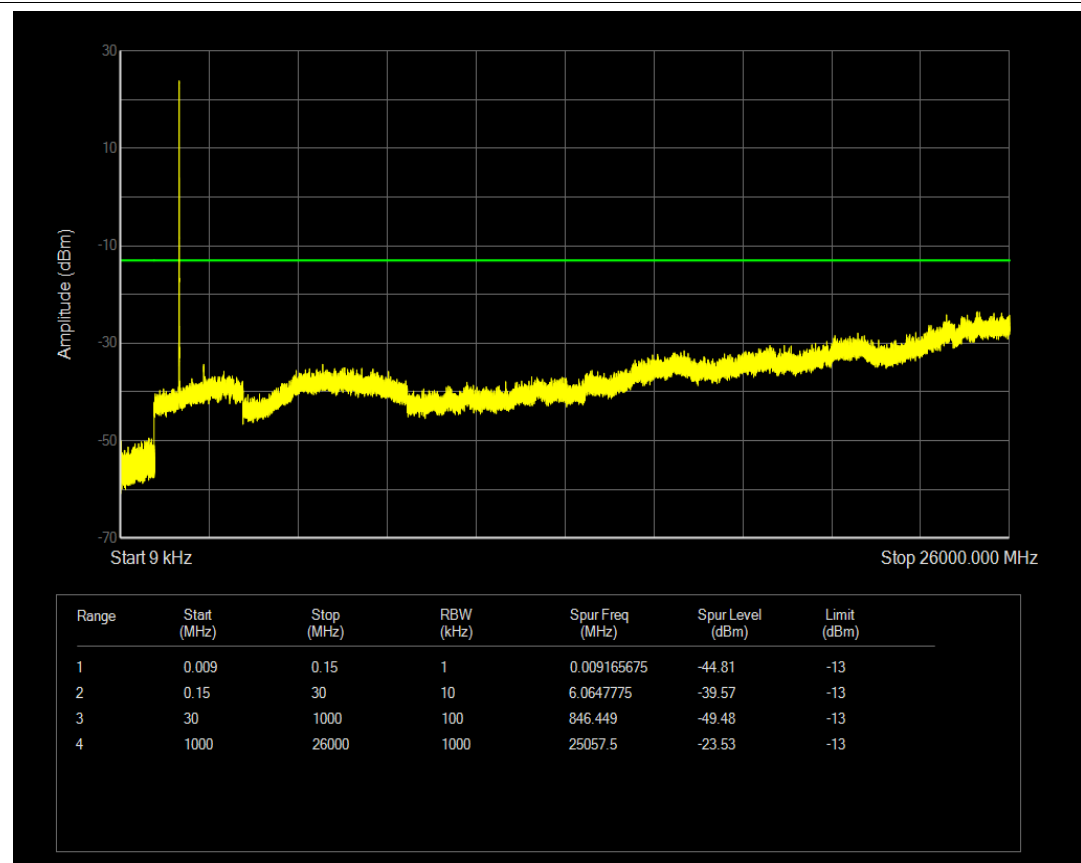
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



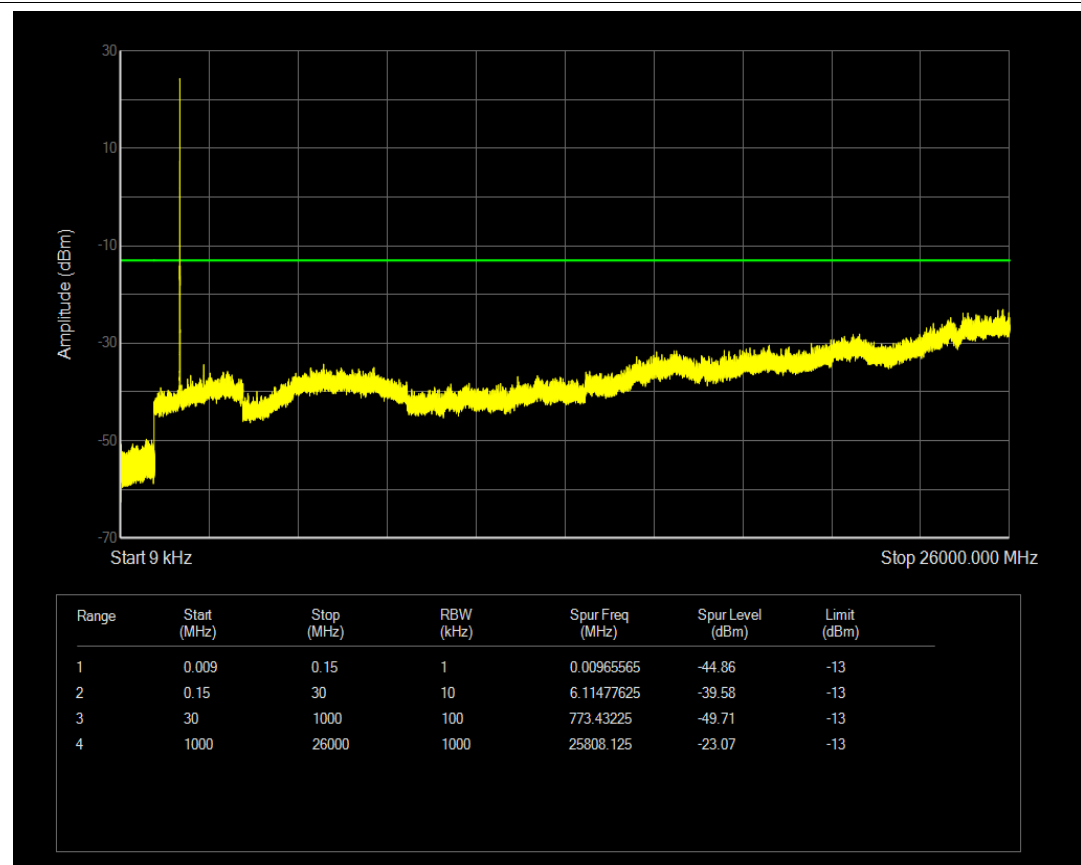
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099306	-45.73	-13
2	0.15	30	10	6.10731375	-38.96	-13
3	30	1000	100	767.70925	-49.38	-13
4	1000	26000	1000	25109.375	-23.71	-13

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

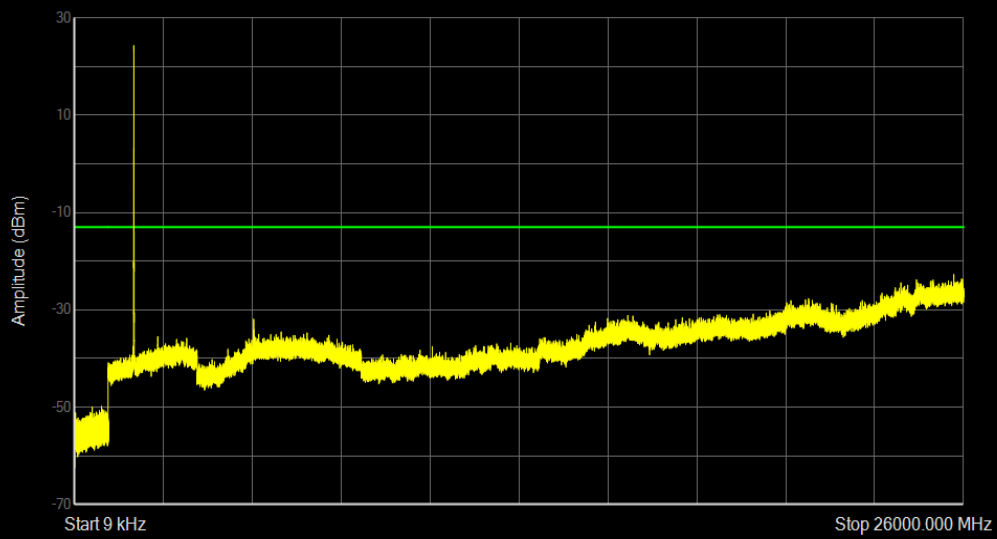




Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

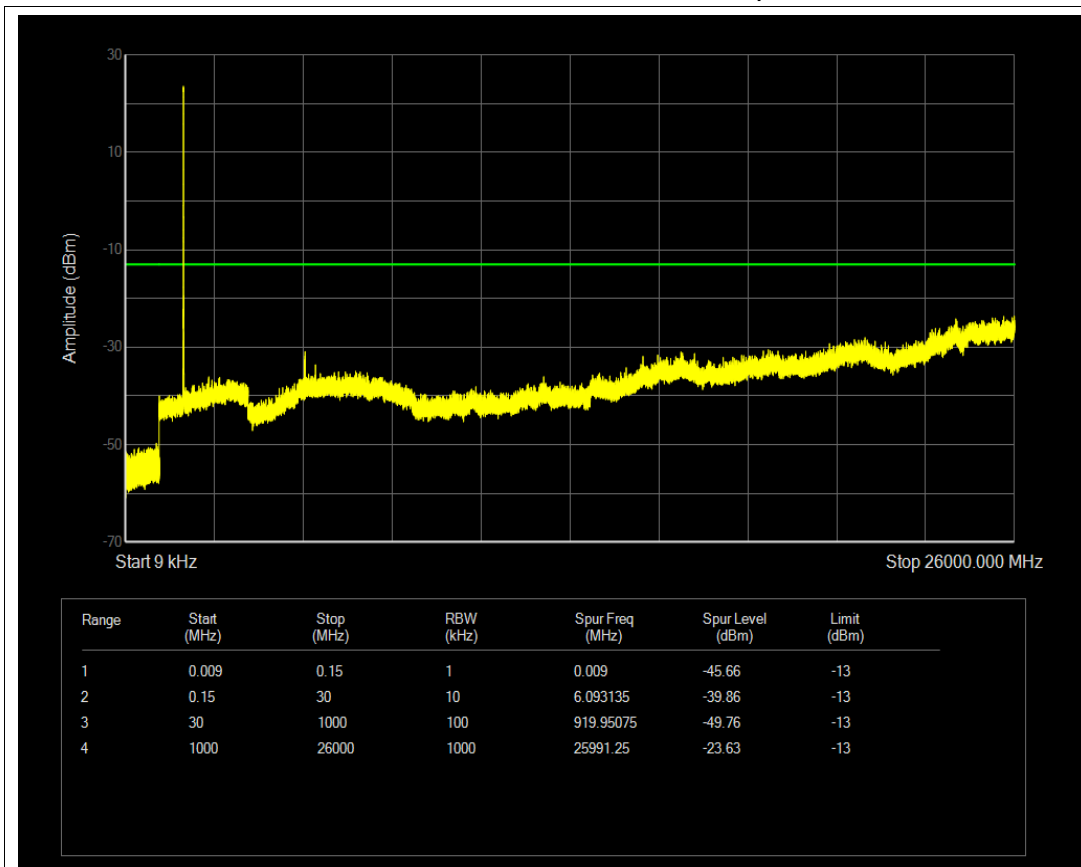


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

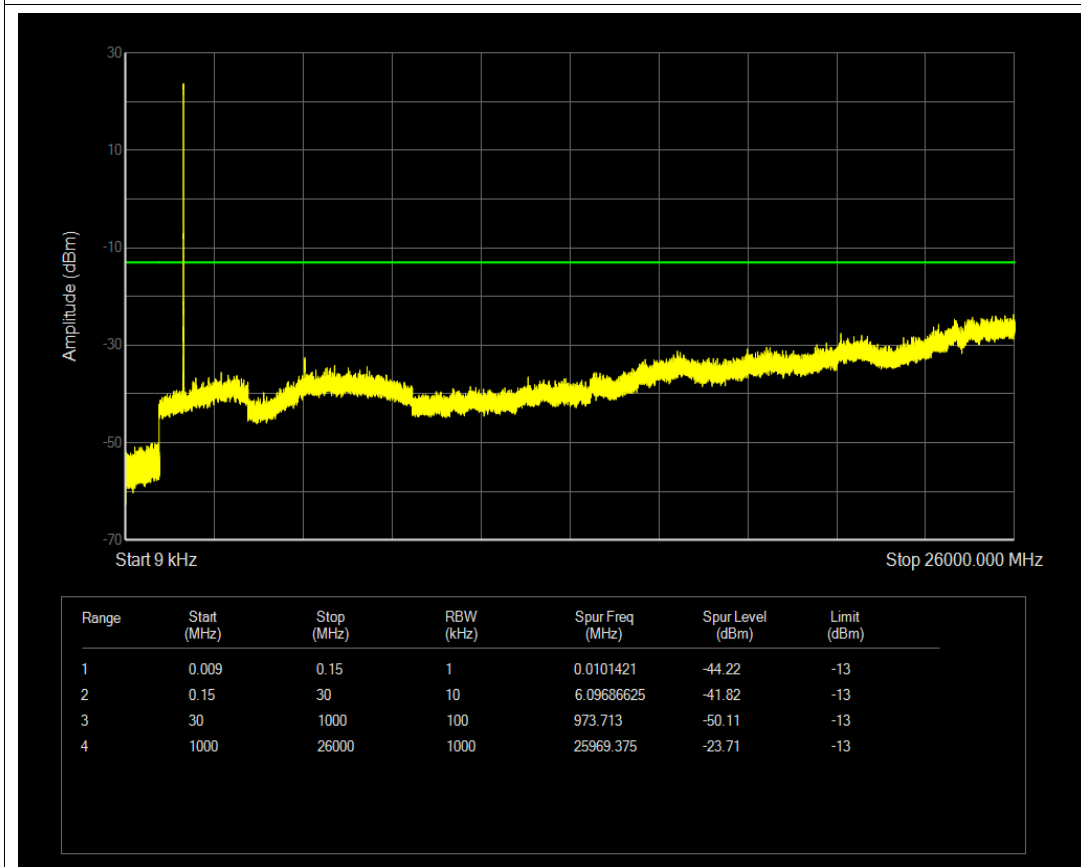


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1172316	-46.01	-13
2	0.15	30	10	6.09388125	-40.18	-13
3	30	1000	100	810.29225	-49.82	-13
4	1000	26000	1000	25713.125	-22.73	-13

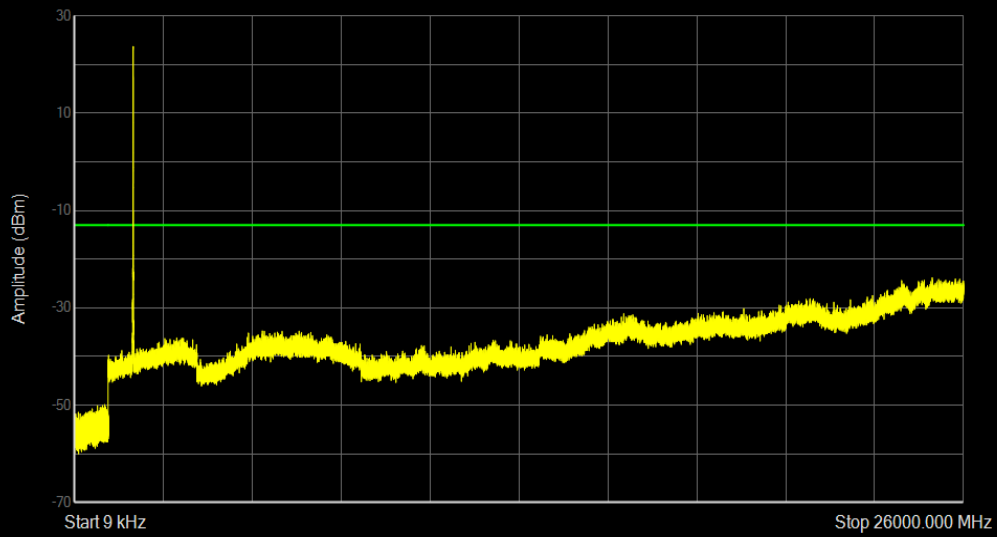
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



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

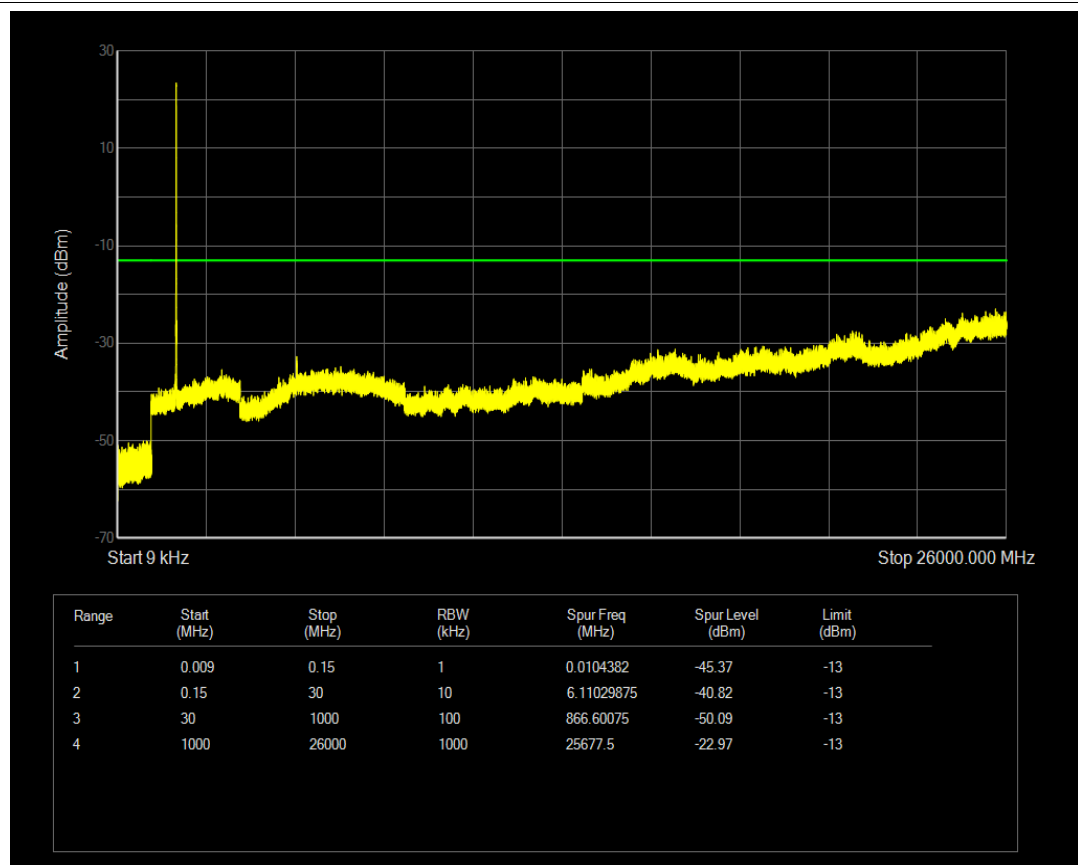


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

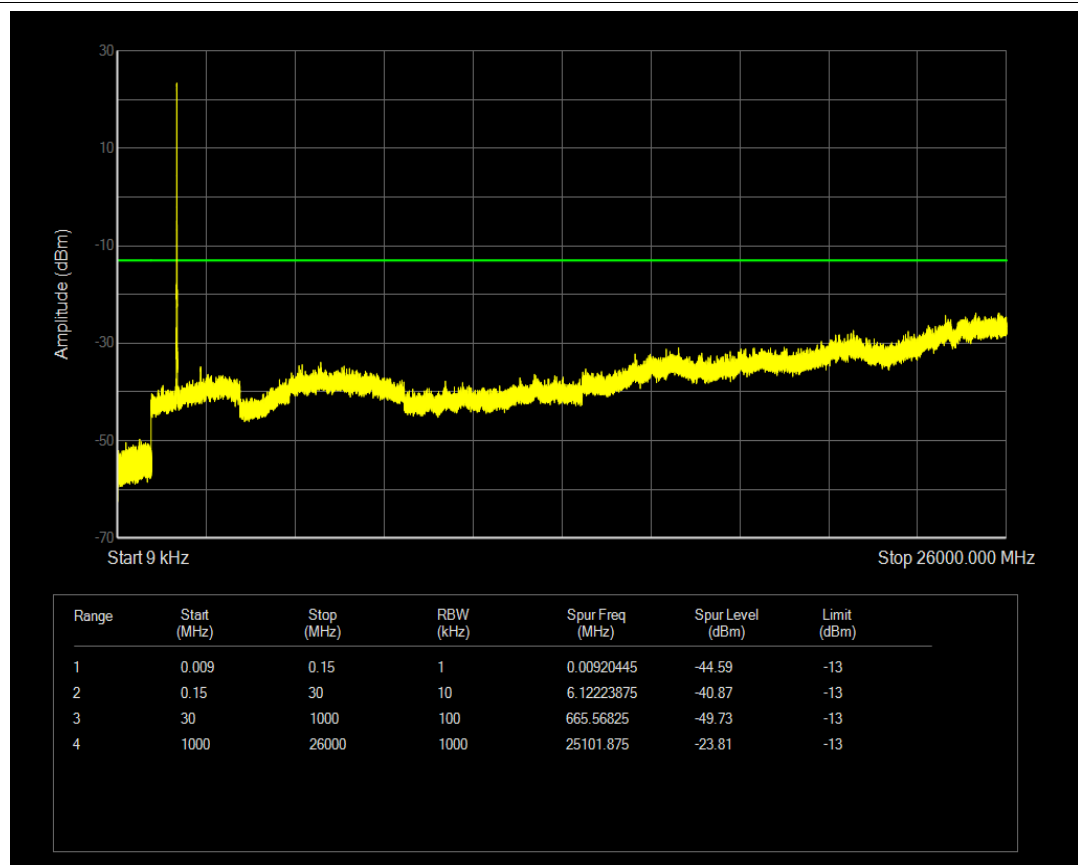


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010089225	-45.45	-13
2	0.15	30	10	6.5035725	-41.62	-13
3	30	1000	100	900.01725	-49.9	-13
4	1000	26000	1000	25085	-23.81	-13

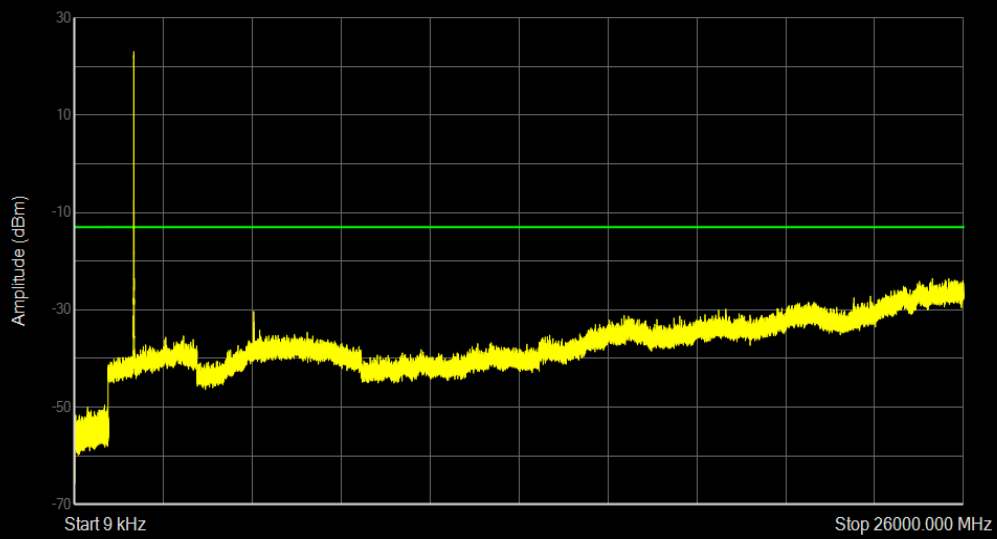
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



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

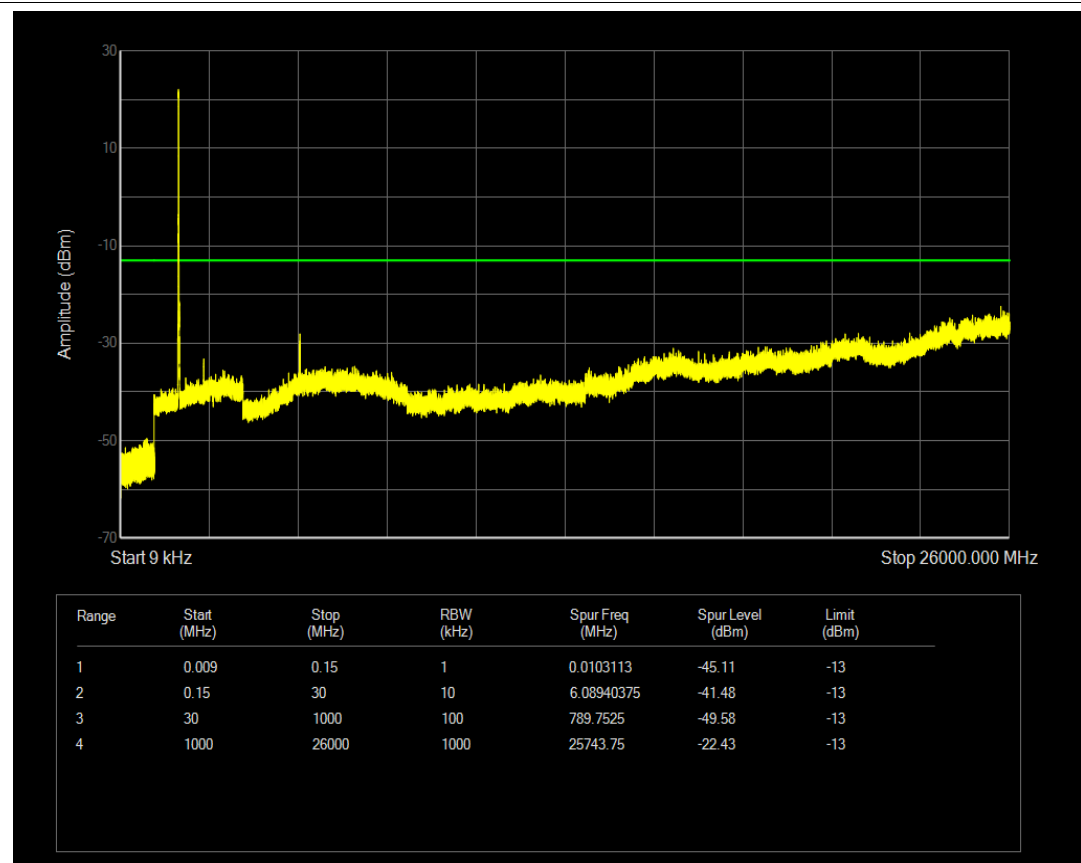


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

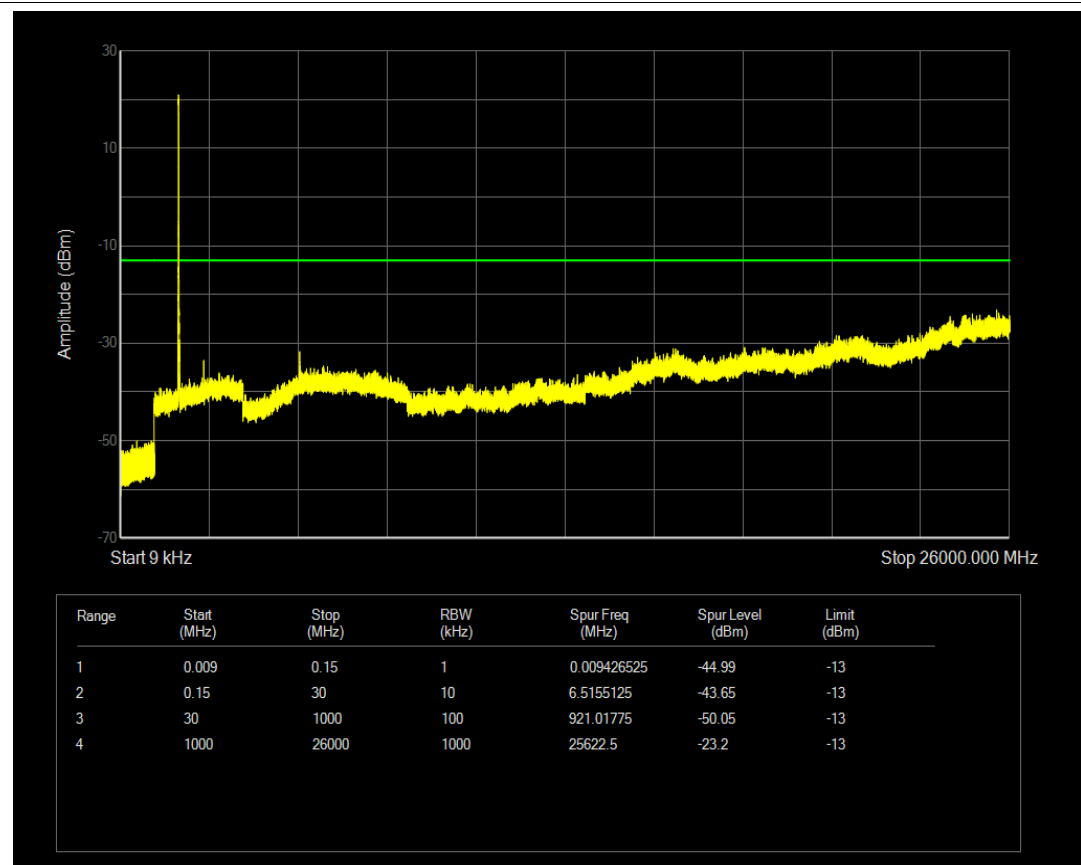


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01130535	-45.68	-13
2	0.15	30	10	6.1035825	-41.13	-13
3	30	1000	100	900.0415	-49.58	-13
4	1000	26000	1000	25090.625	-23.57	-13

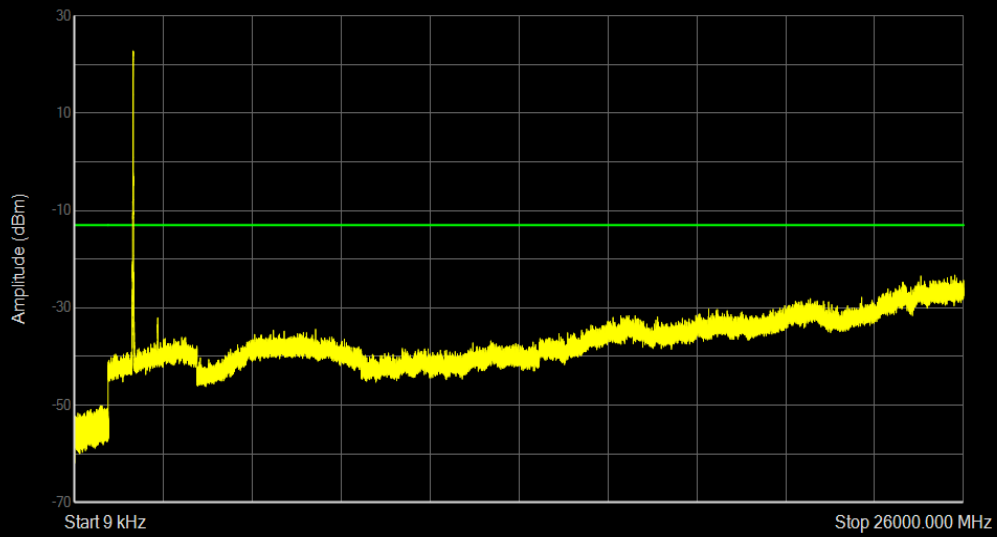
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



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

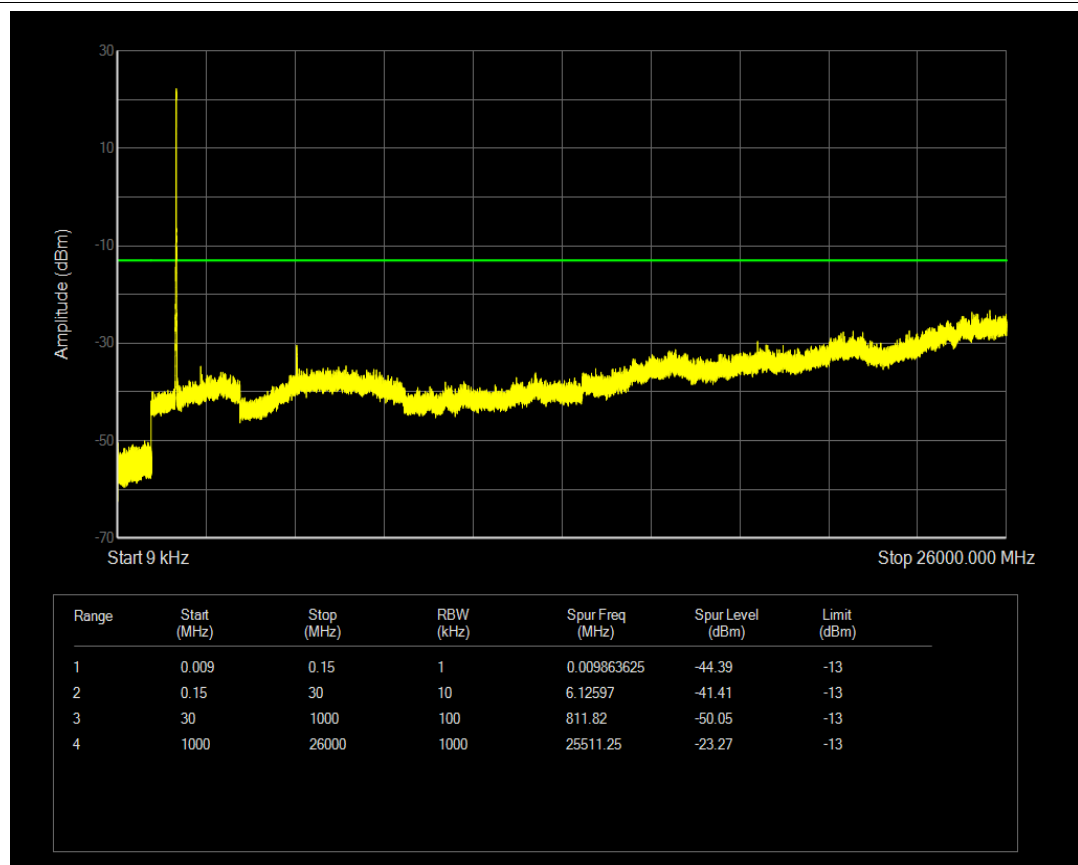


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

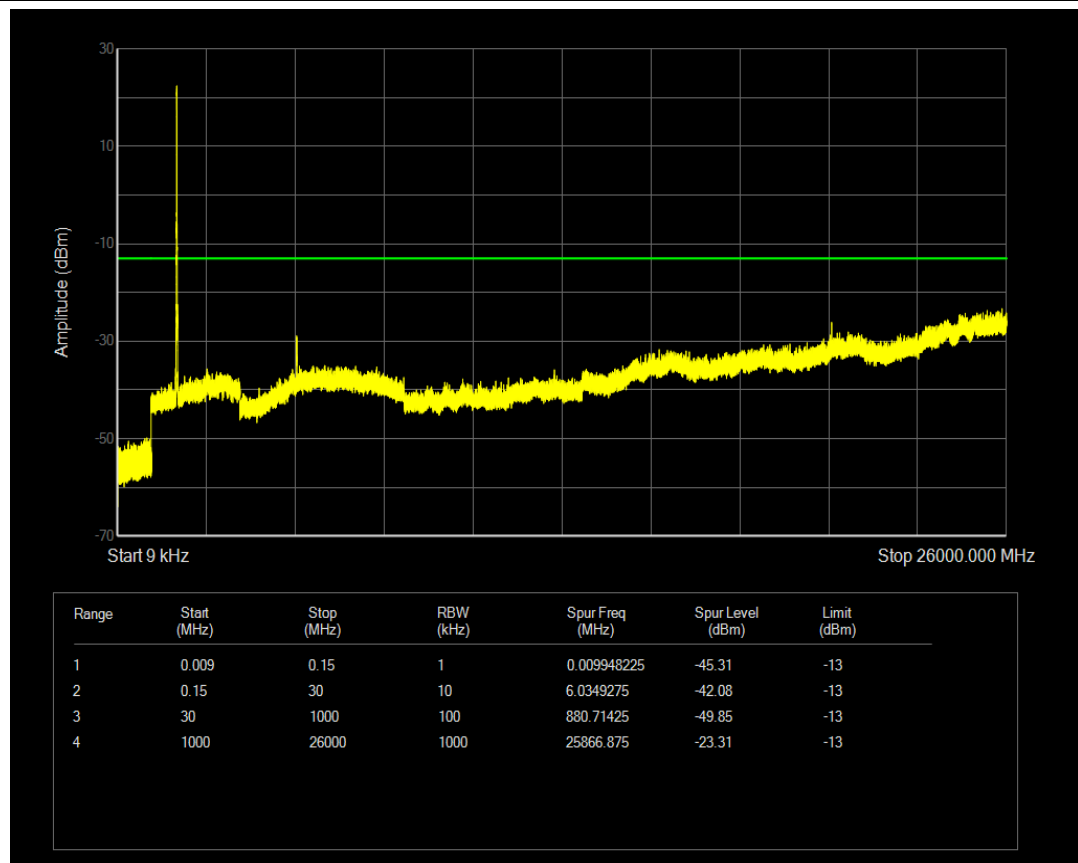


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11527875	-45.68	-13
2	0.15	30	10	6.099105	-42.41	-13
3	30	1000	100	775.85725	-50.14	-13
4	1000	26000	1000	25745	-23.28	-13

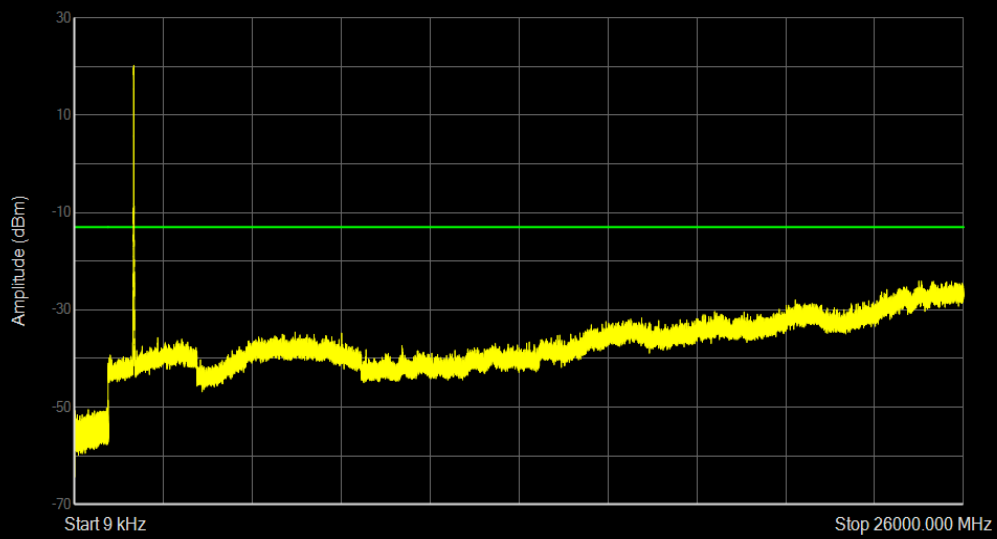
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



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

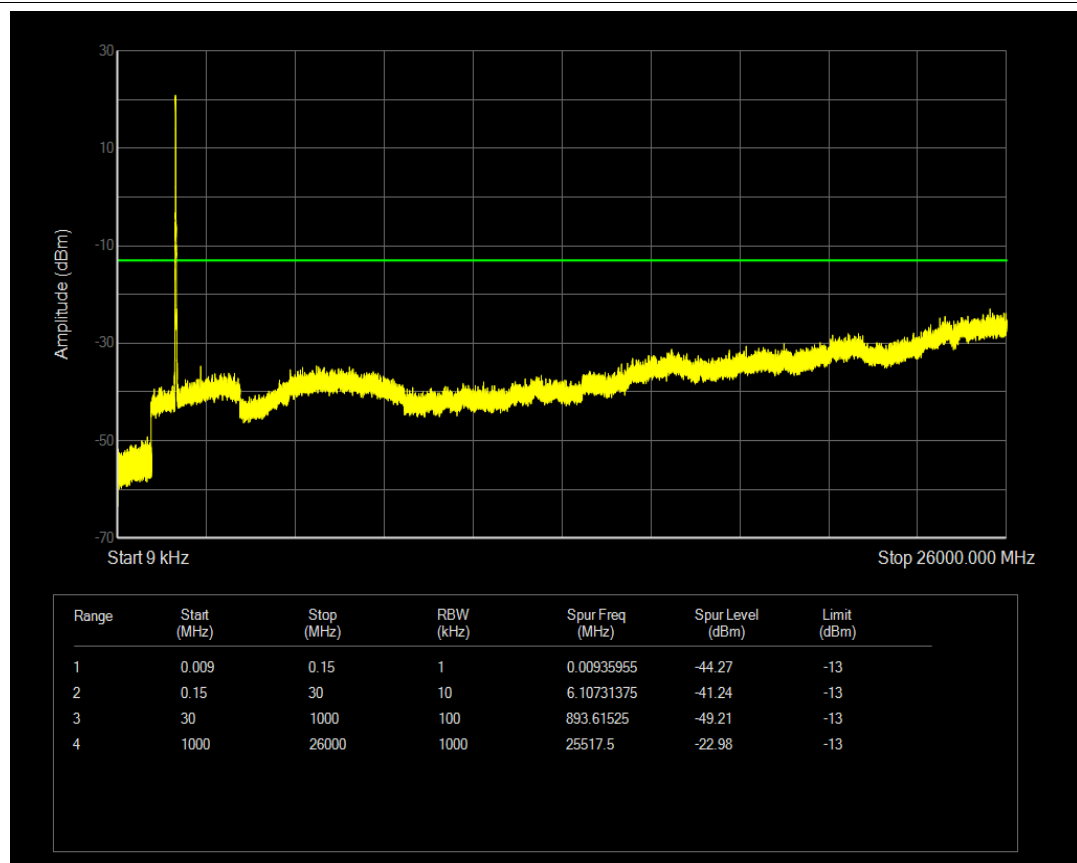


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

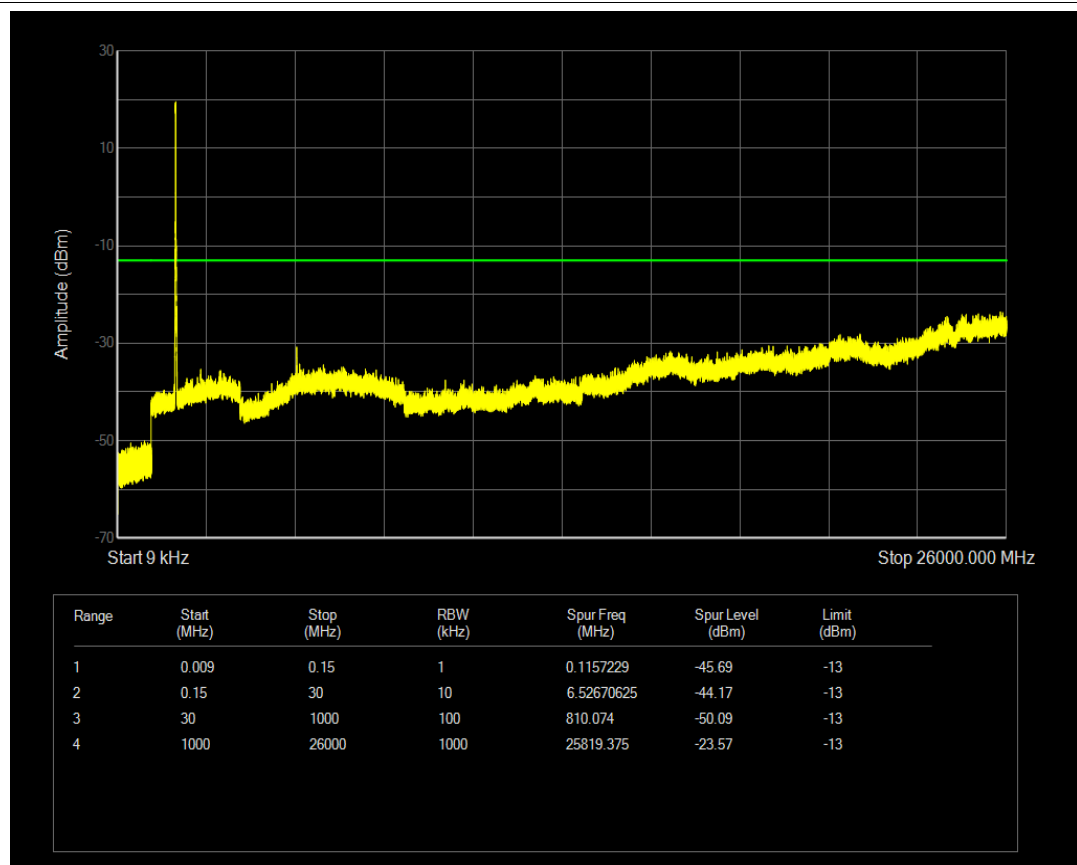


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0106356	-45.73	-13
2	0.15	30	10	6.05955375	-42.37	-13
3	30	1000	100	999.92725	-48.57	-13
4	1000	26000	1000	24693.125	-24.09	-13

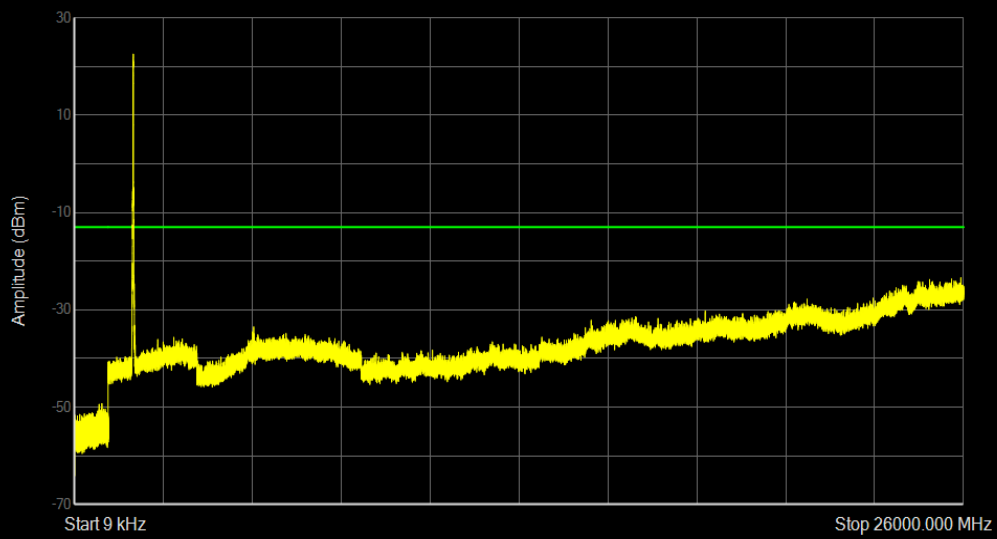
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



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

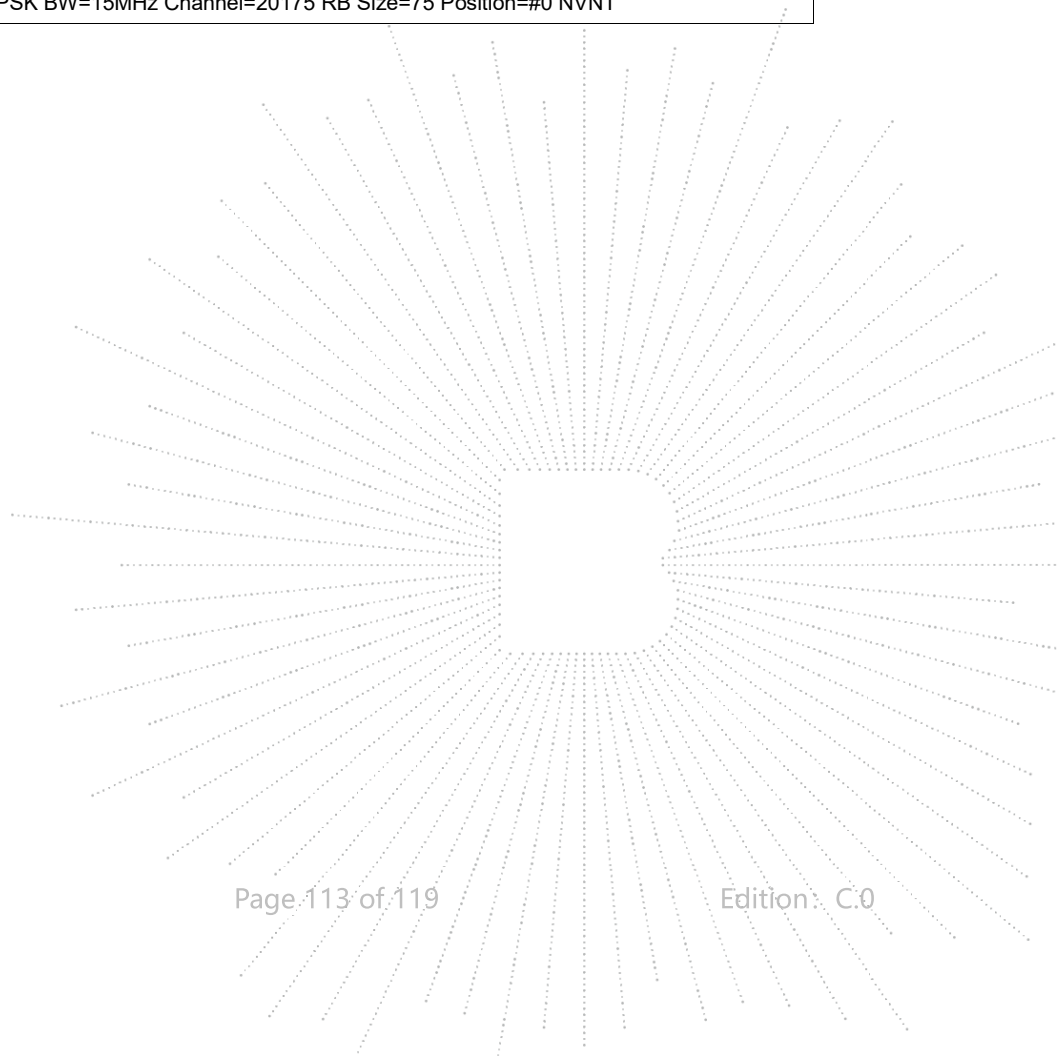


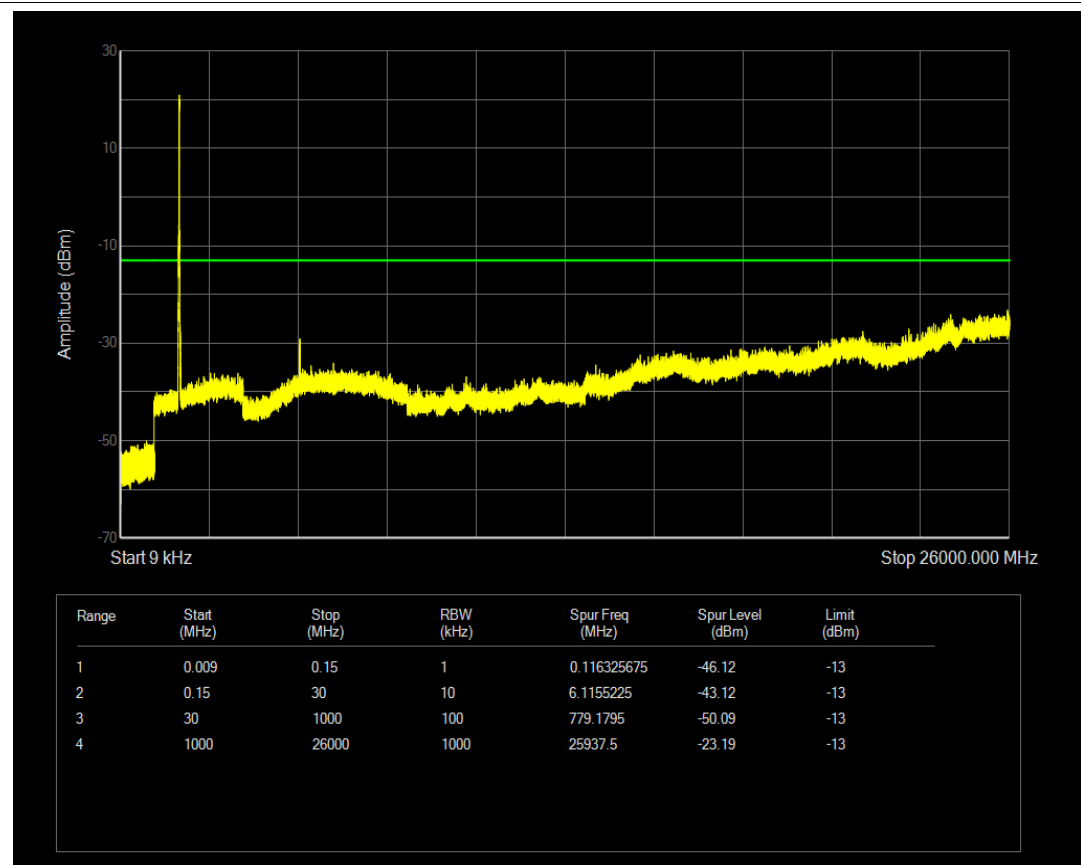
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



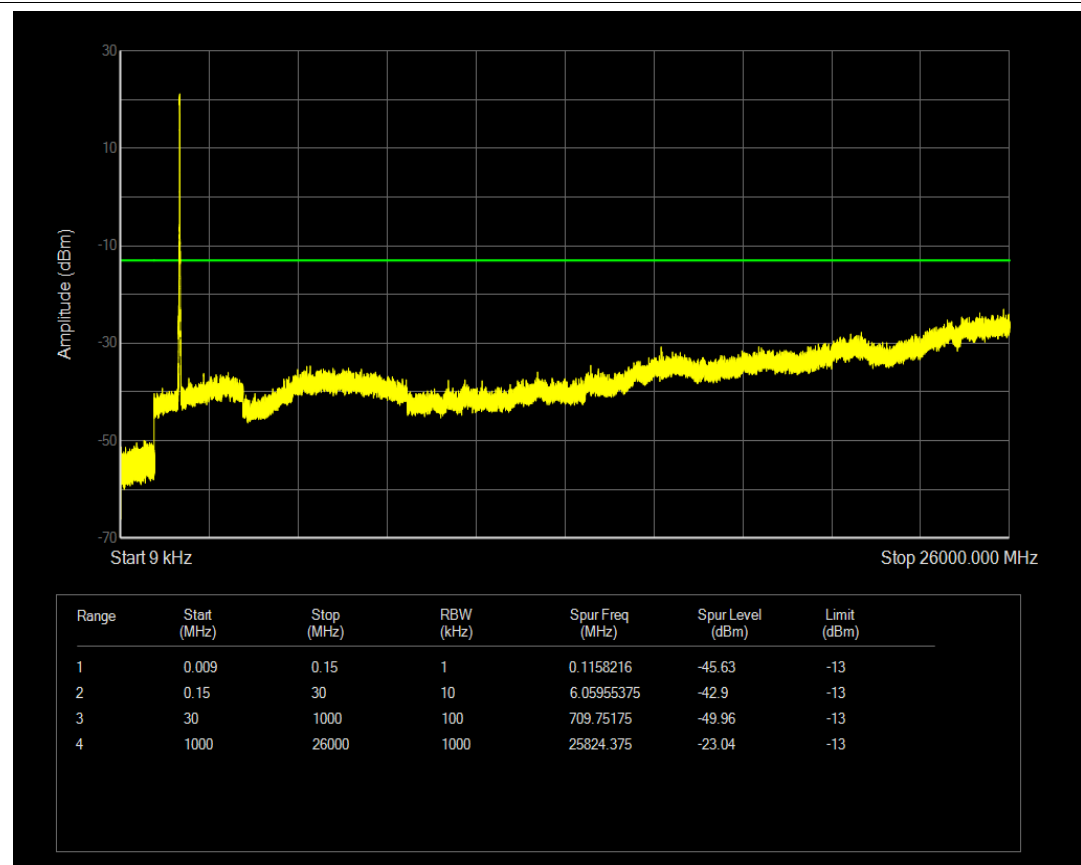
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1167945	-45.69	-13
2	0.15	30	10	6.087165	-44.26	-13
3	30	1000	100	821.20475	-49.3	-13
4	1000	26000	1000	25919.375	-23.39	-13

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

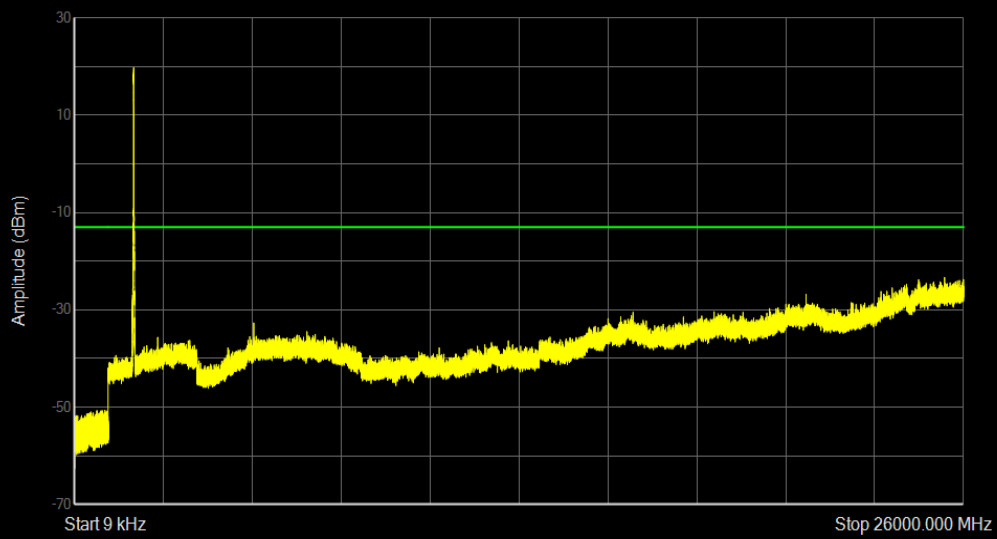




Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

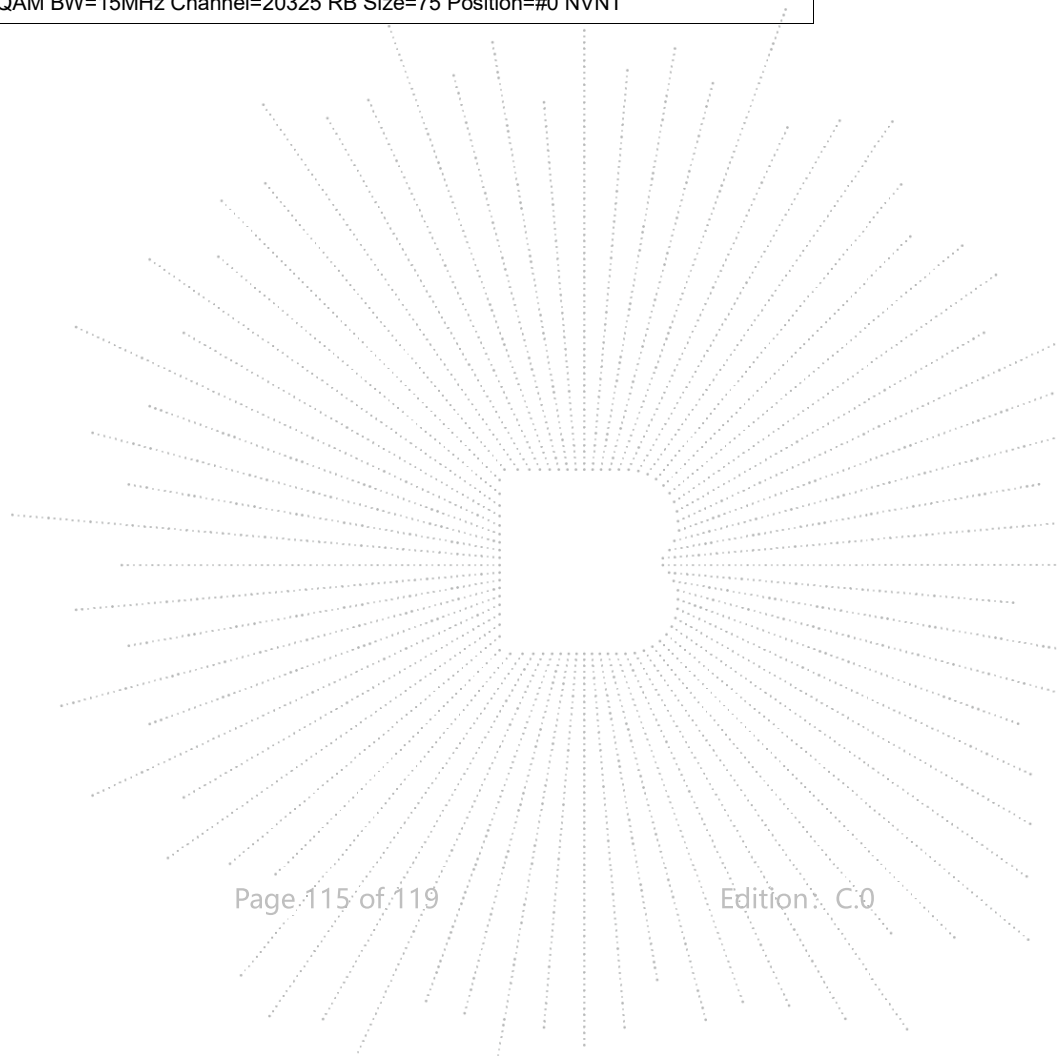


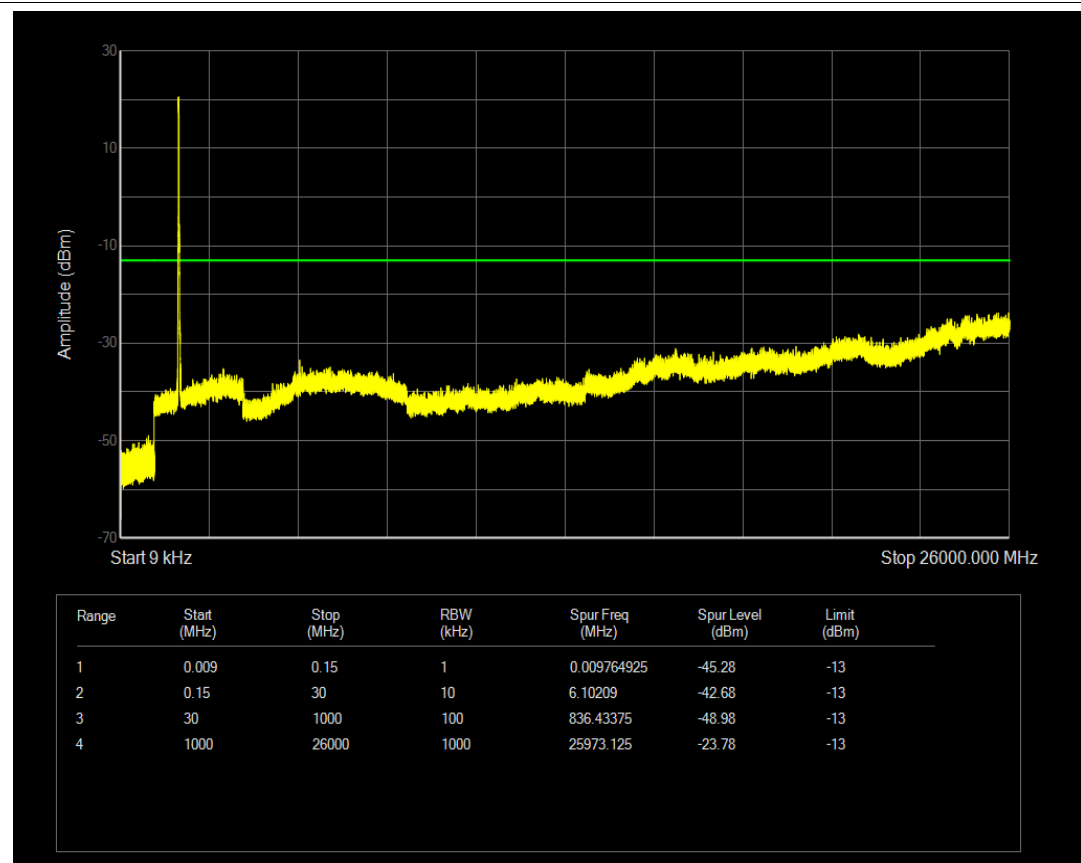
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



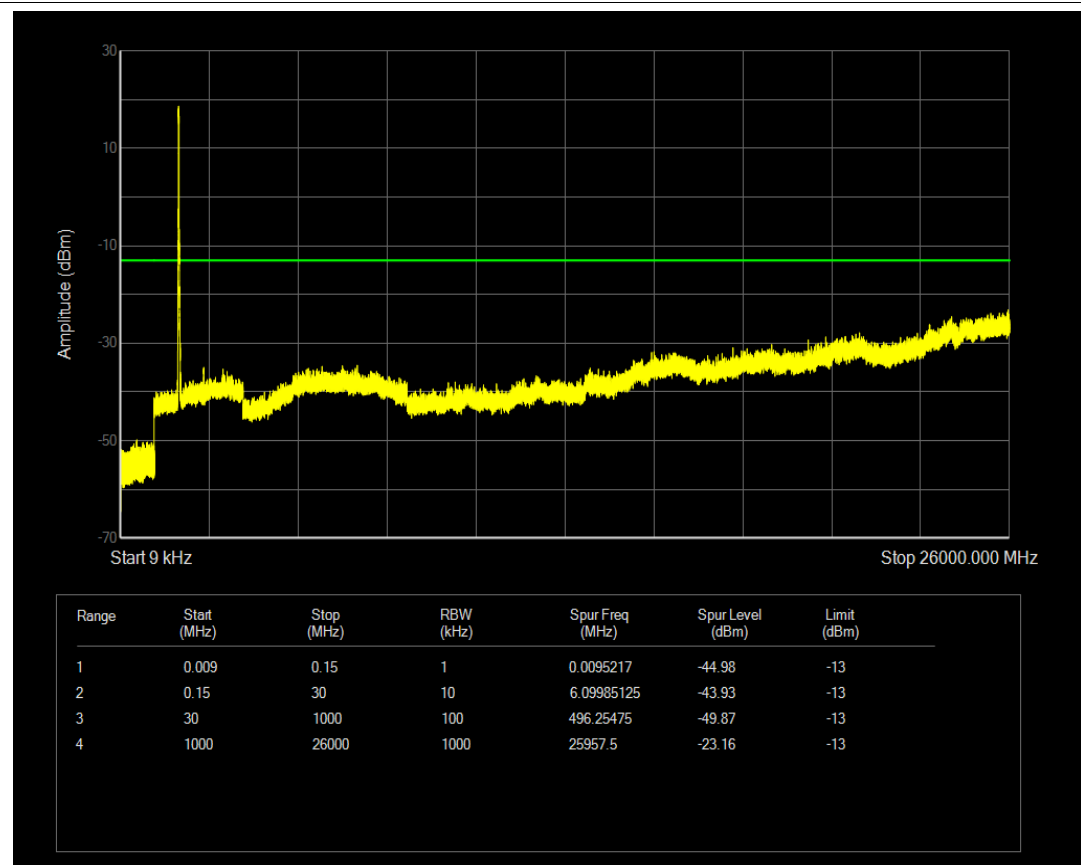
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1158498	-46.02	-13
2	0.15	30	10	6.09089625	-43.83	-13
3	30	1000	100	909.76575	-50.66	-13
4	1000	26000	1000	25444.375	-23.33	-13

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

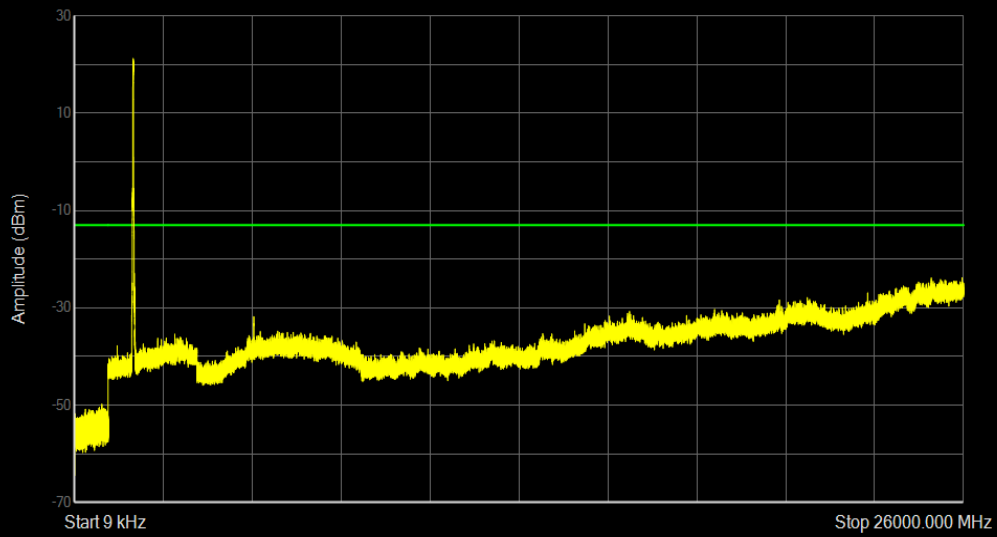




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

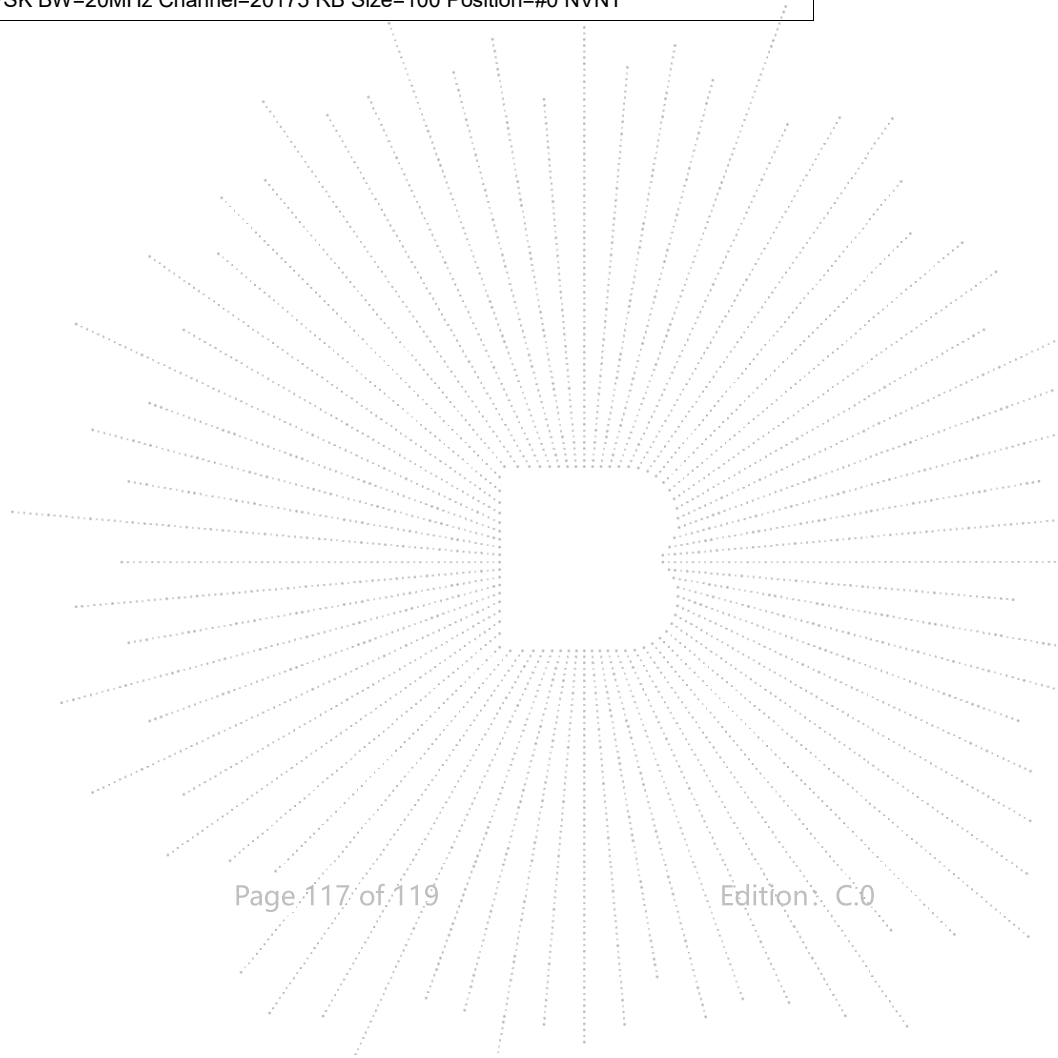


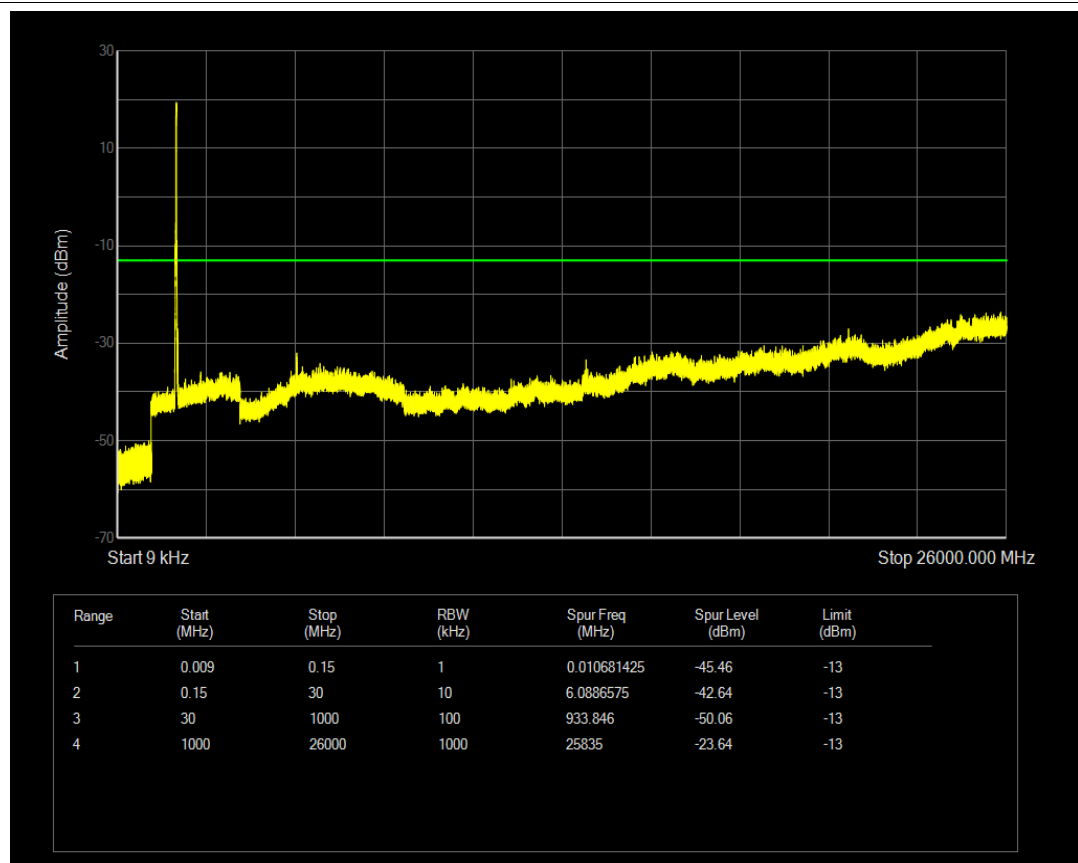
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



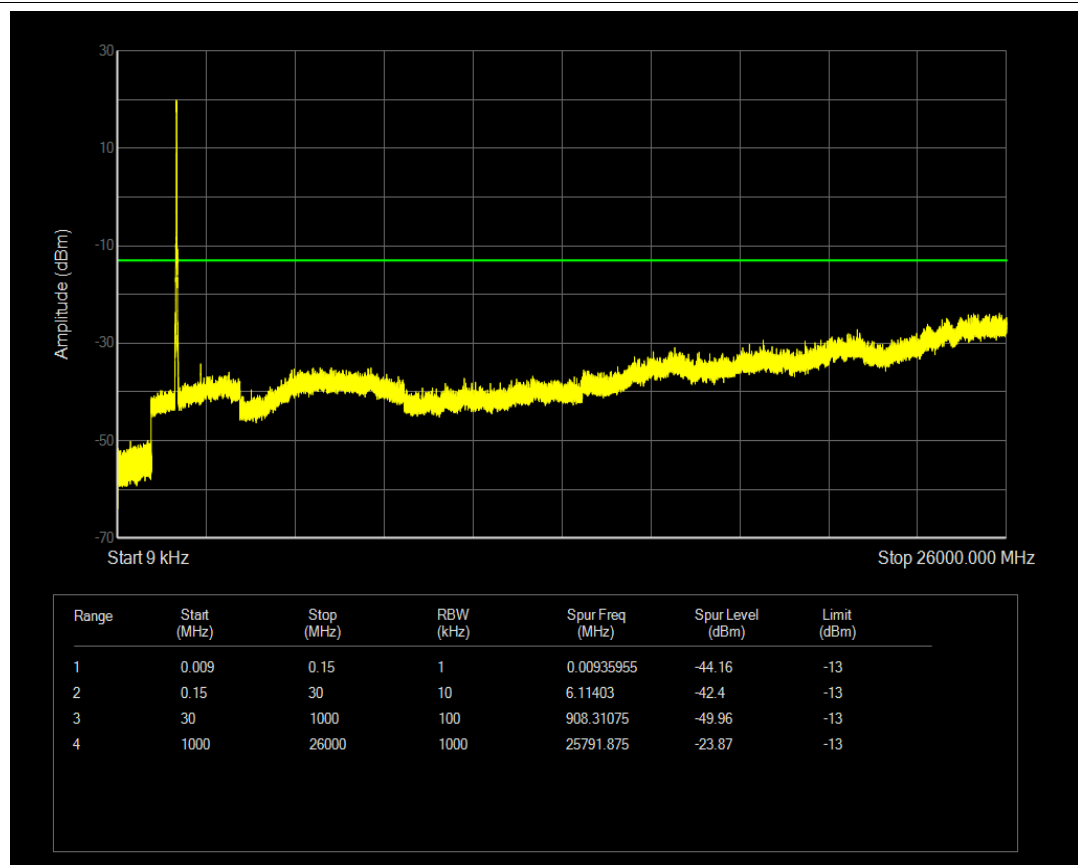
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097332	-45.33	-13
2	0.15	30	10	6.10731375	-43.15	-13
3	30	1000	100	818.68275	-49.8	-13
4	1000	26000	1000	25957.5	-23.81	-13

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

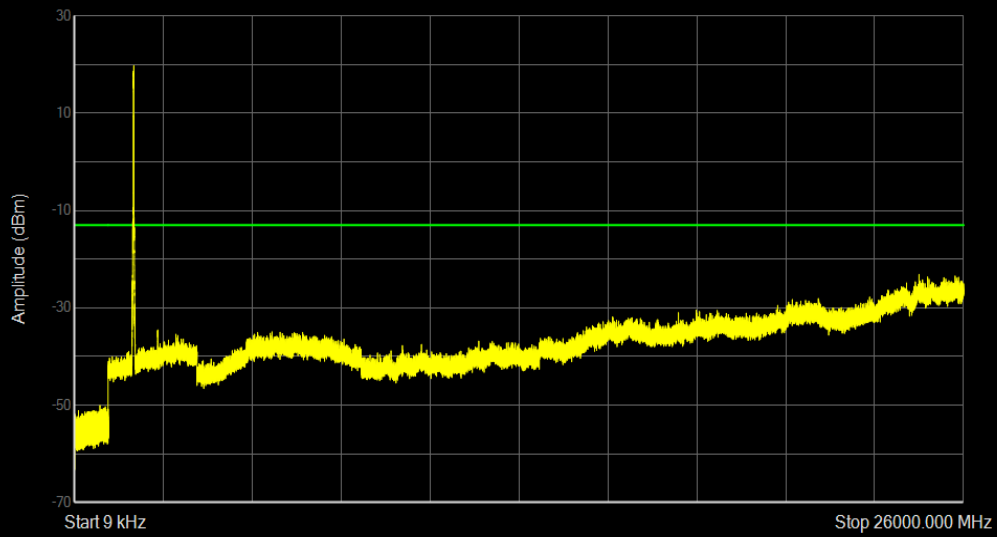




Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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	0.0103818	-45.4	-13
2	0.15	30	10	6.05433	-42.53	-13
3	30	1000	100	763.9505	-50.1	-13
4	1000	26000	1000	24699.375	-23.17	-13

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