

Appendix for Band 4

Report No.: BCTC2504164553-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart Phone

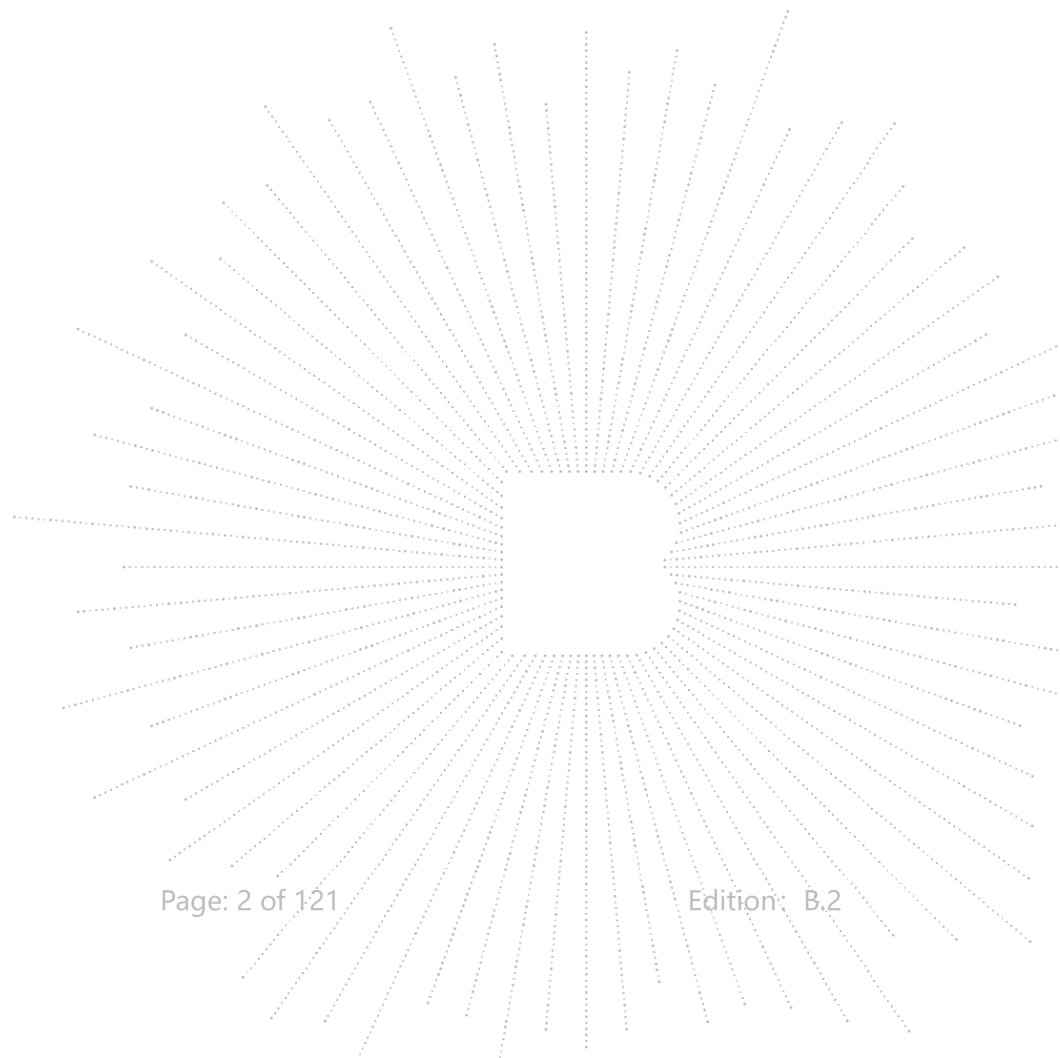
Test Model: F110 Pro

Tested Date: 2025-04-07 to 2025-05-21

Shenzhen BCTC Testing Co., Ltd.

Contents

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



Appendix 1.Effective Radiated Power and Effective Isotropic Radiated Power

Measurement

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

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

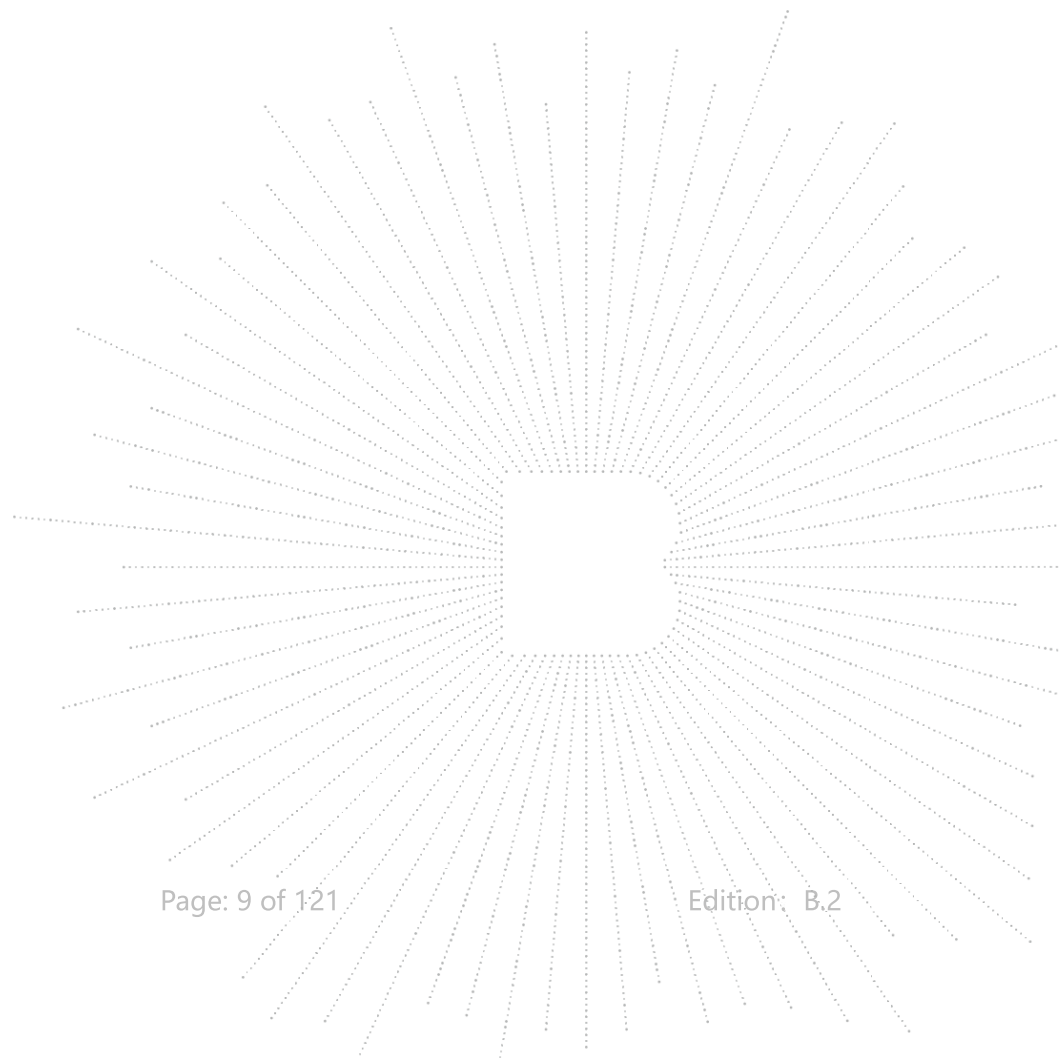
NVNT	Band4	3	20385	1	#0	16QAM	23.21	0.06	23.27	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	23.27	0.06	23.33	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	23.11	0.06	23.17	PASS
NVNT	Band4	3	20385	8	#0	16QAM	22.03	0.06	22.09	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	22.01	0.06	22.07	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	21.98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

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

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

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

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



Appendix 2.Frequency stability

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

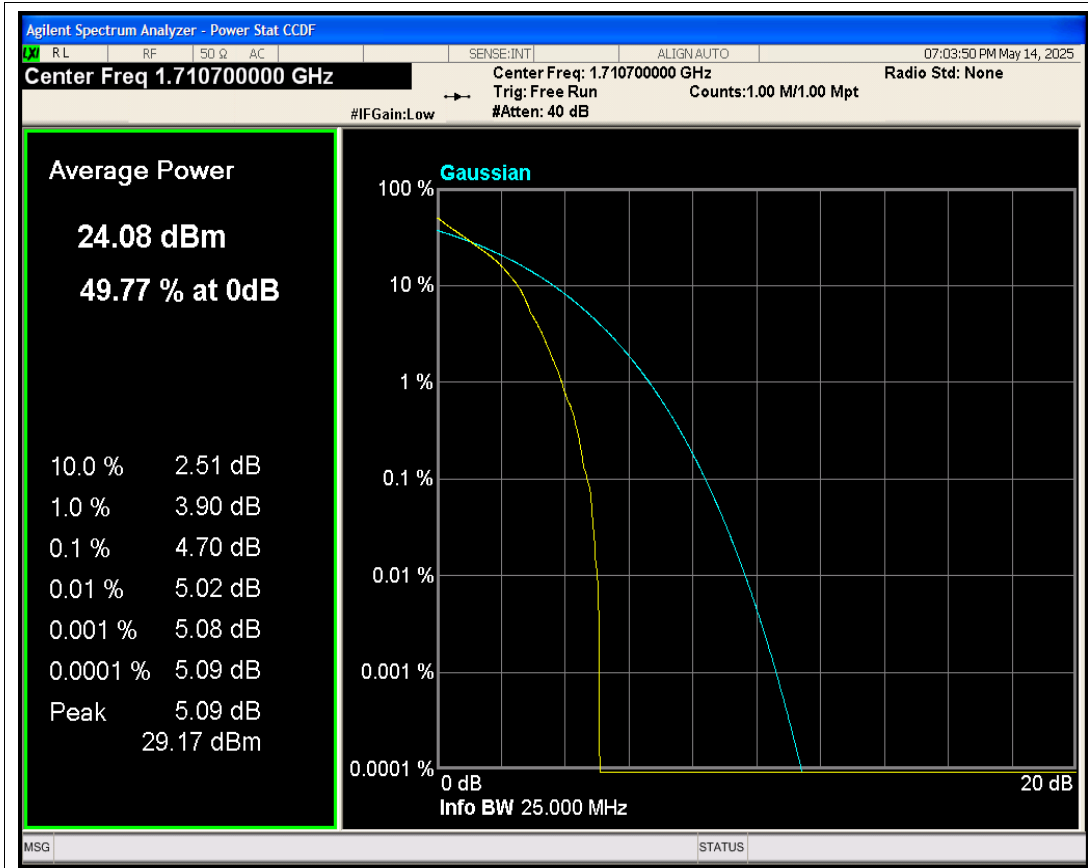
	4										
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-5.18	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-1.49	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-8.01	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-2.89	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	0.36	0.000	PASS
NVNT	Band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

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

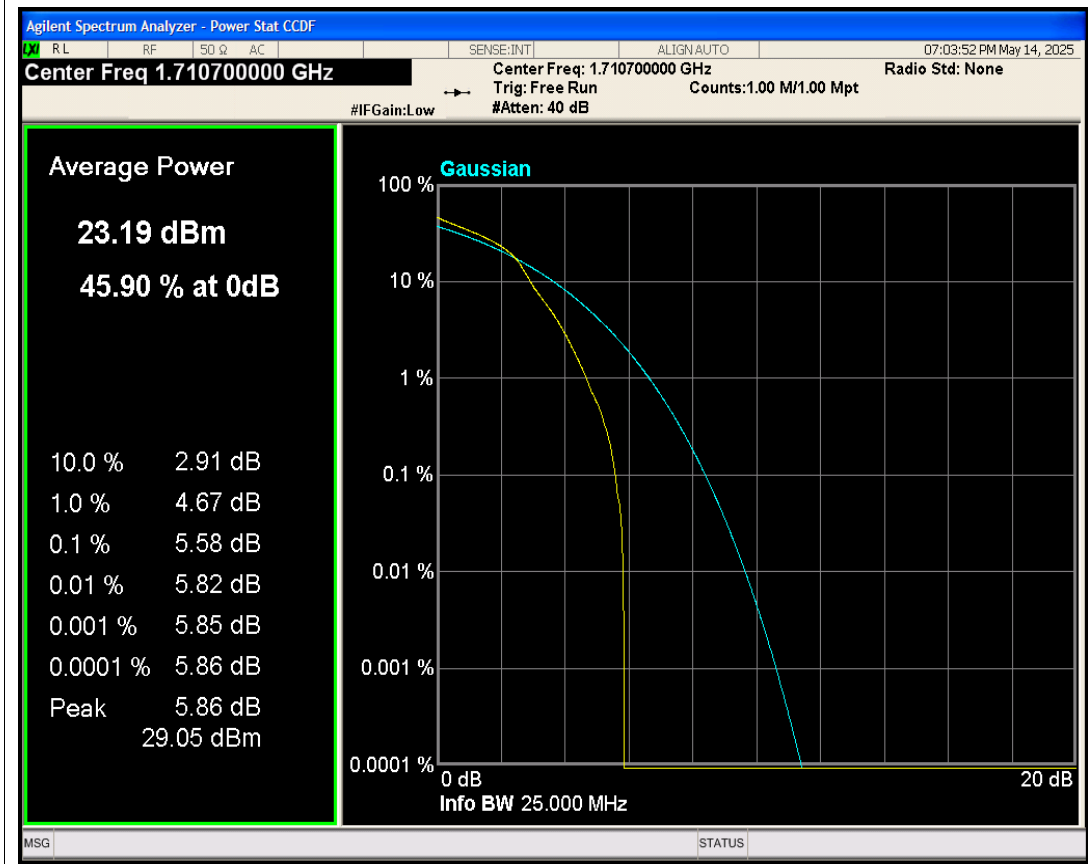
	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	2.30	0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-1.39	-0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-4.55	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-5.48	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	4.88	0.003	PASS
NVNT	Band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

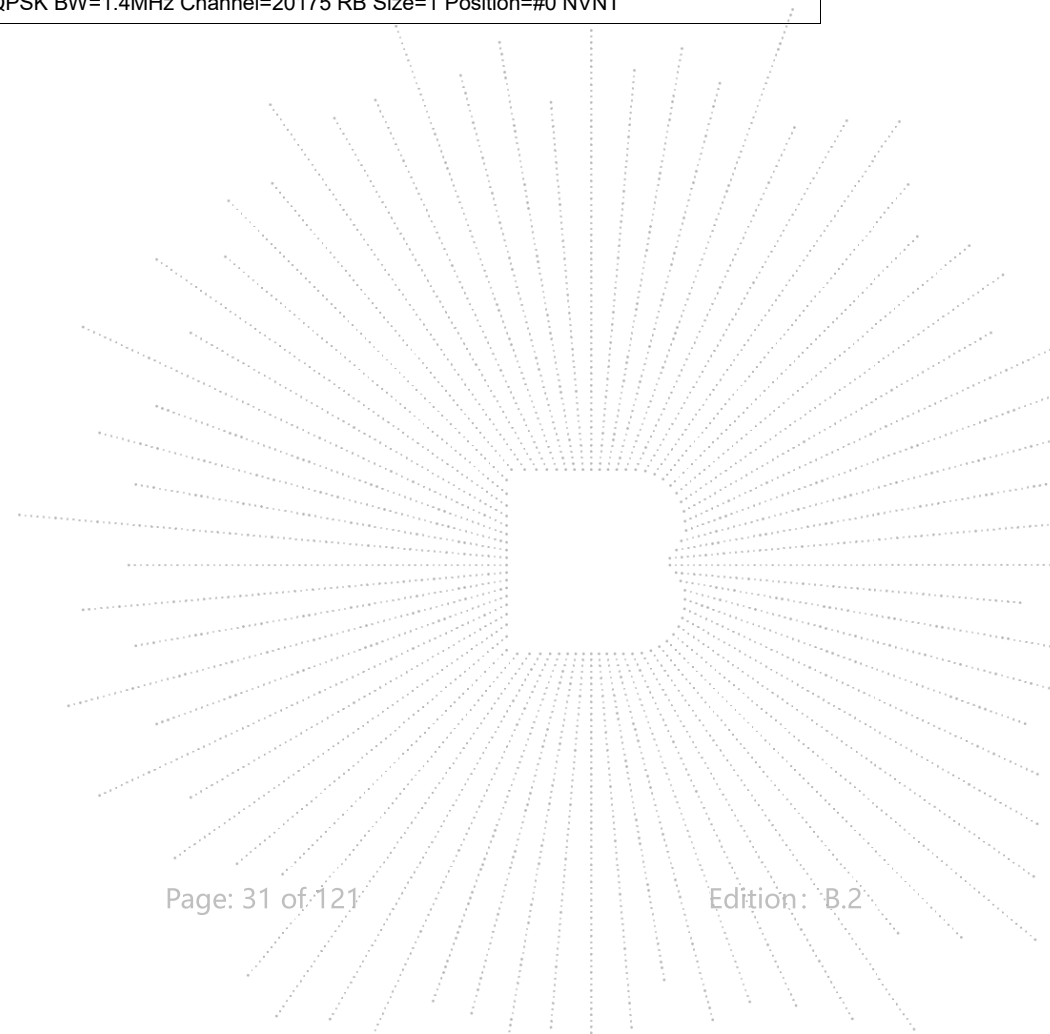
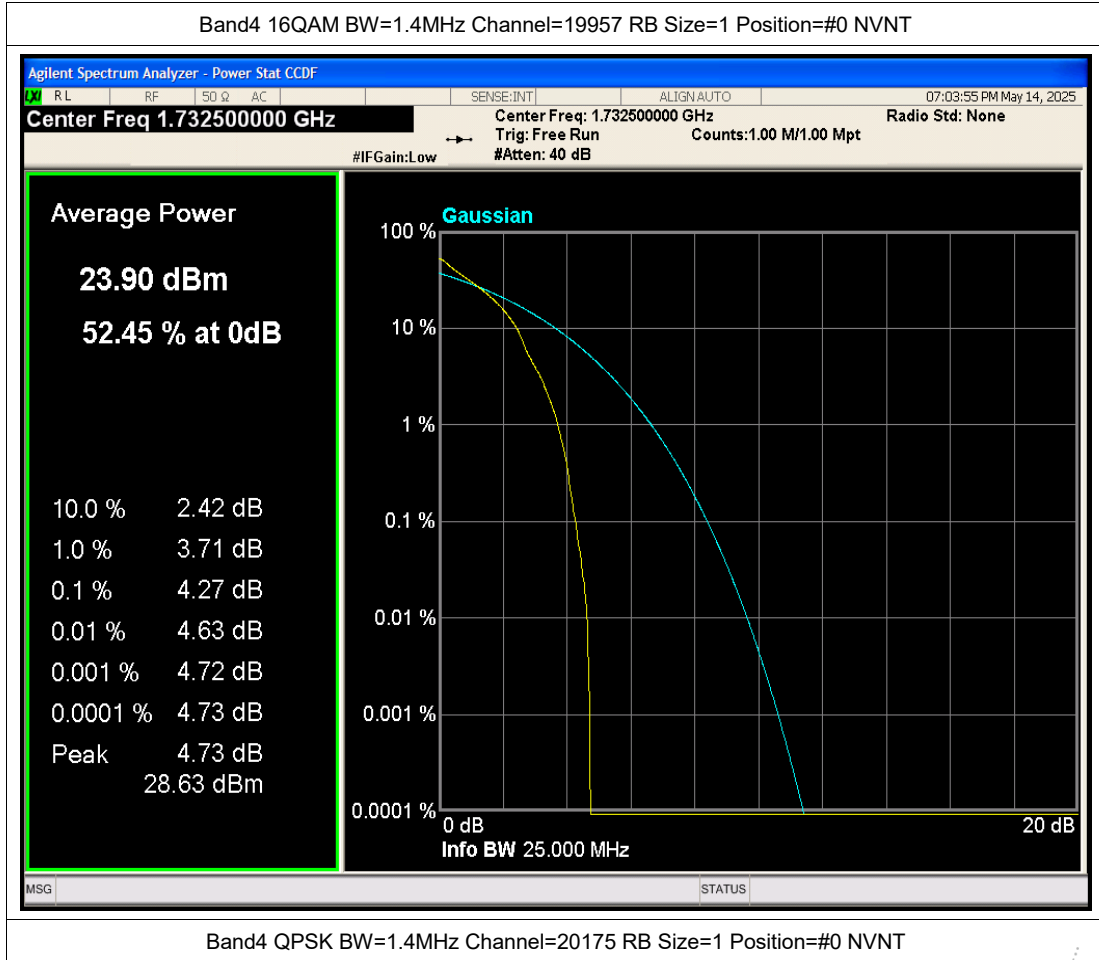
Appendix 3. Peak-to-Average Ratio

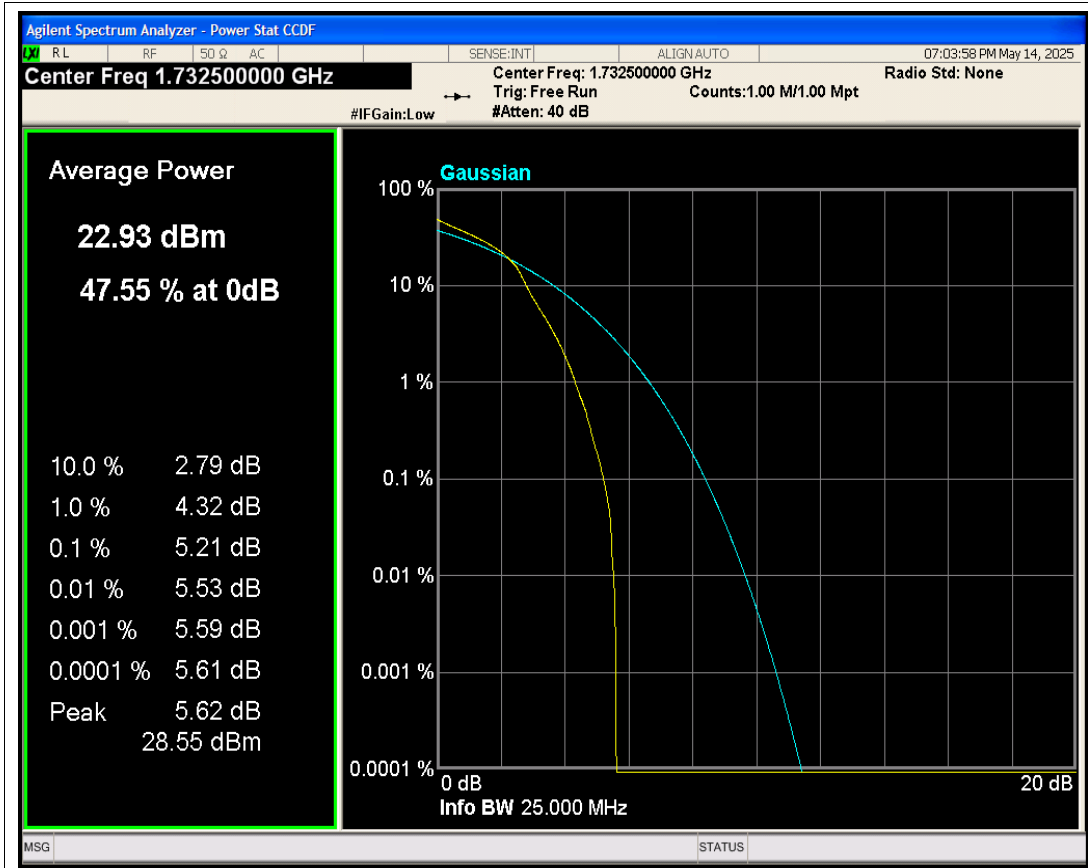
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	4.70	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	5.58	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	4.27	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	5.21	13	PASS
NVNT	Band4	1.4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



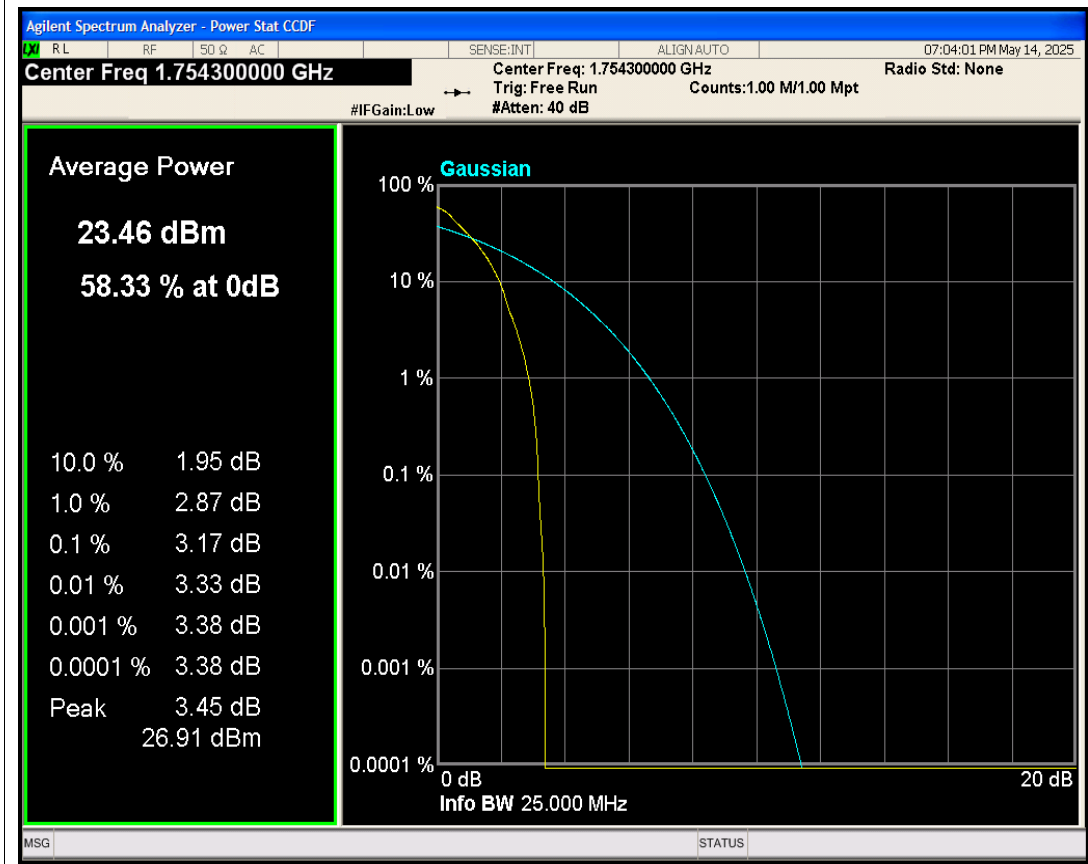
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

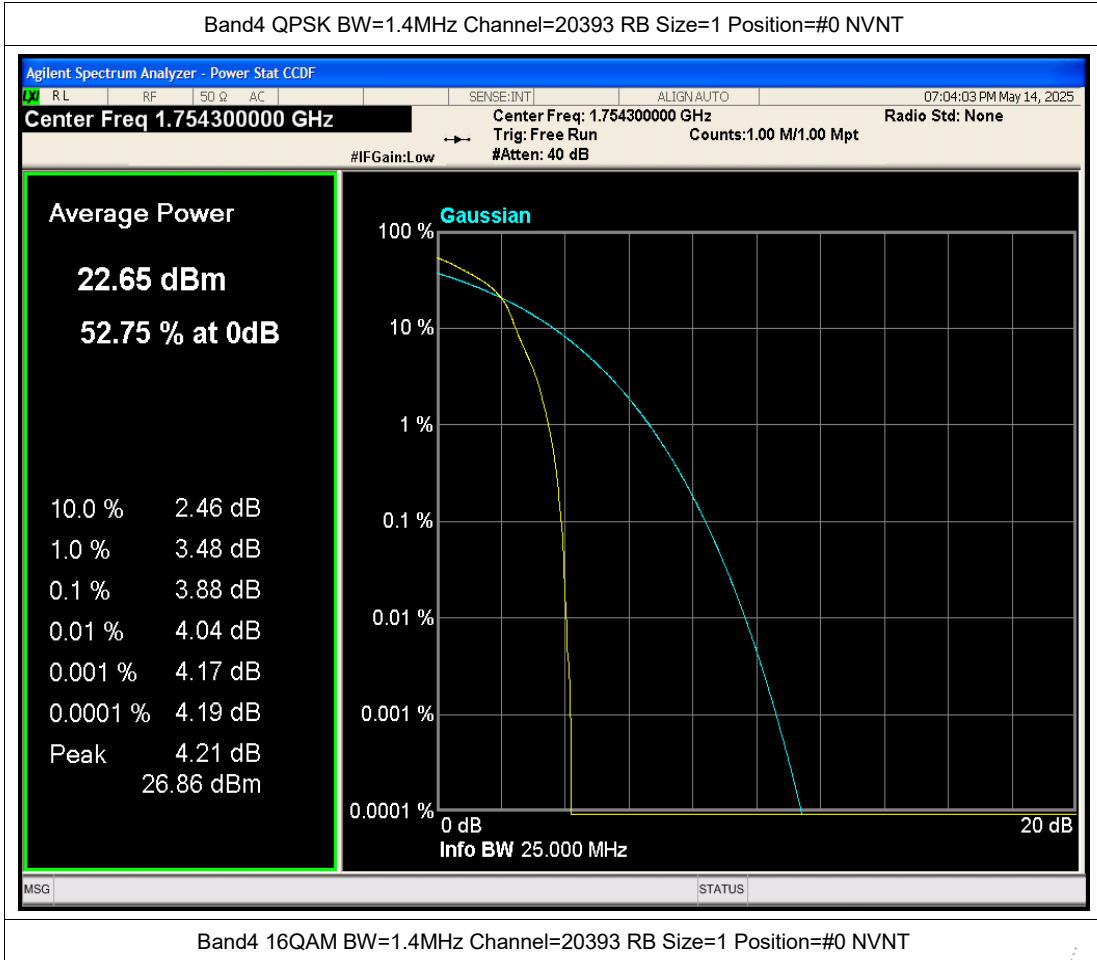




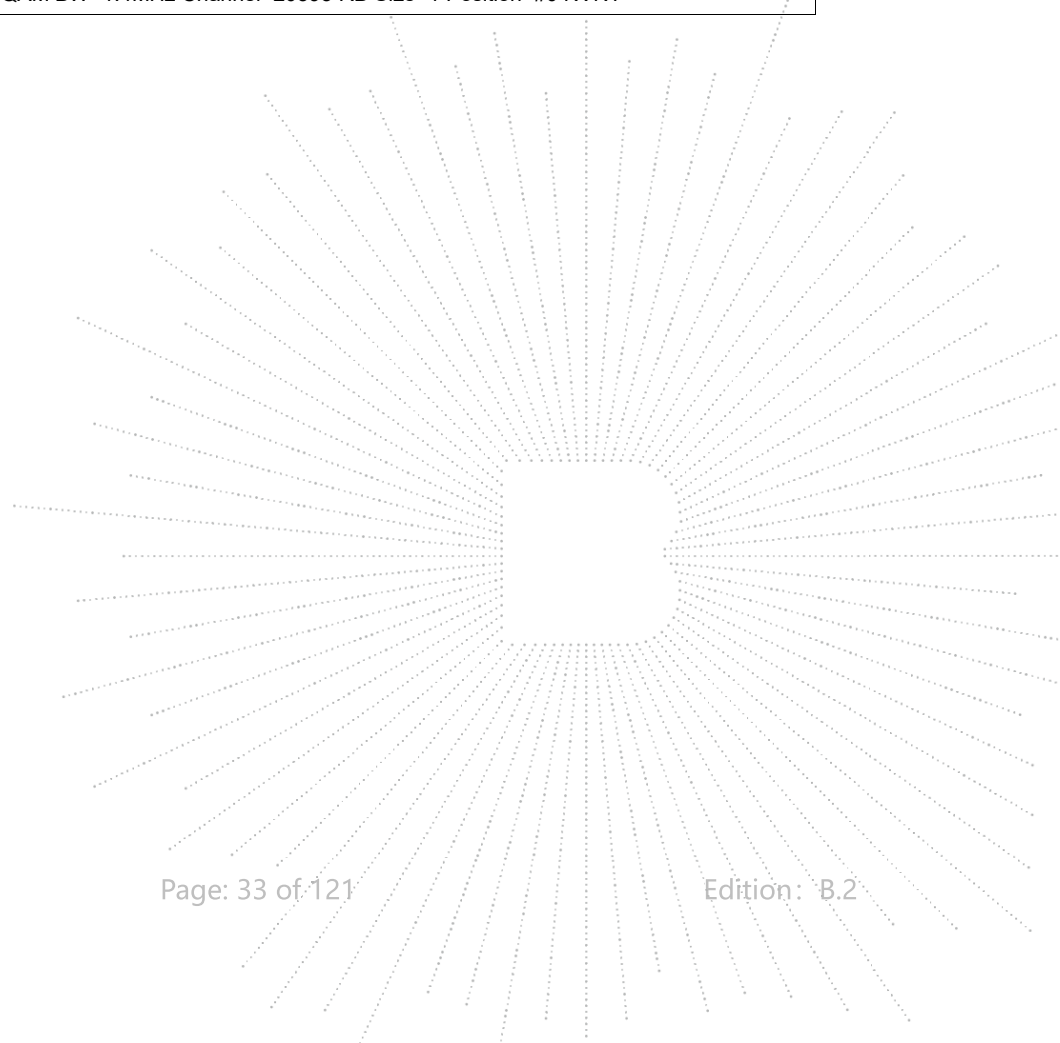


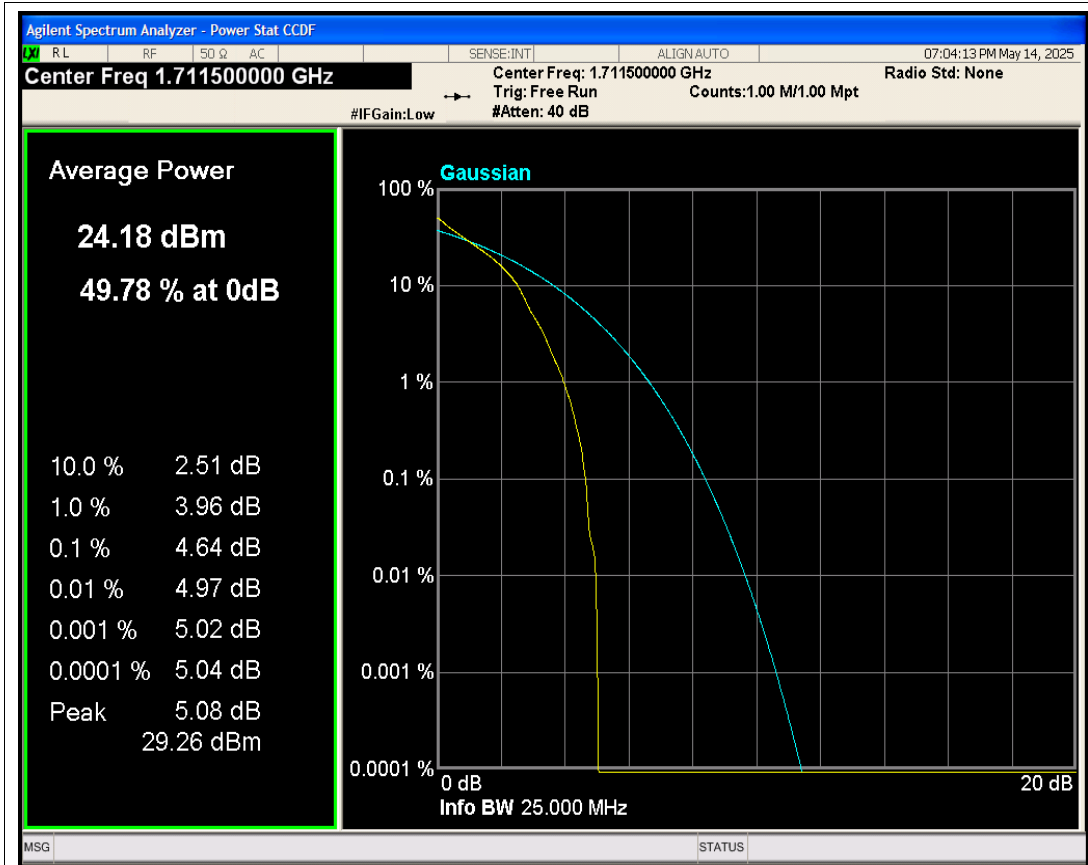
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



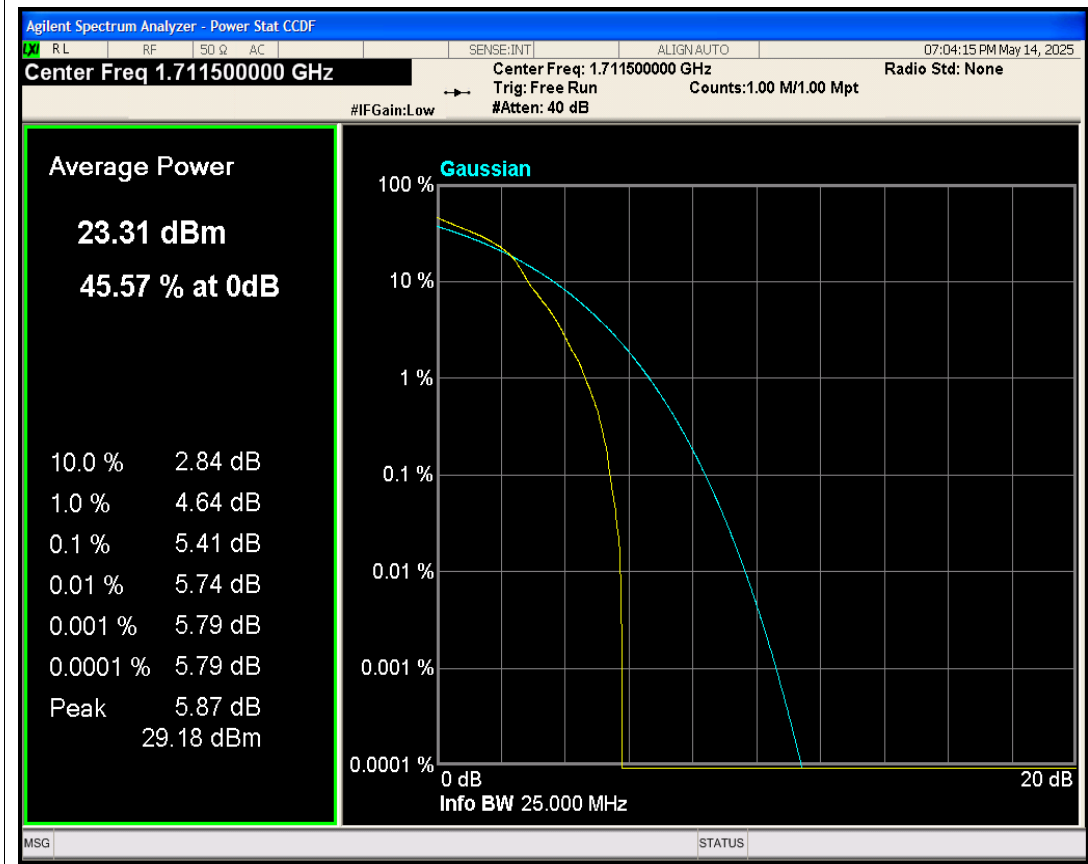


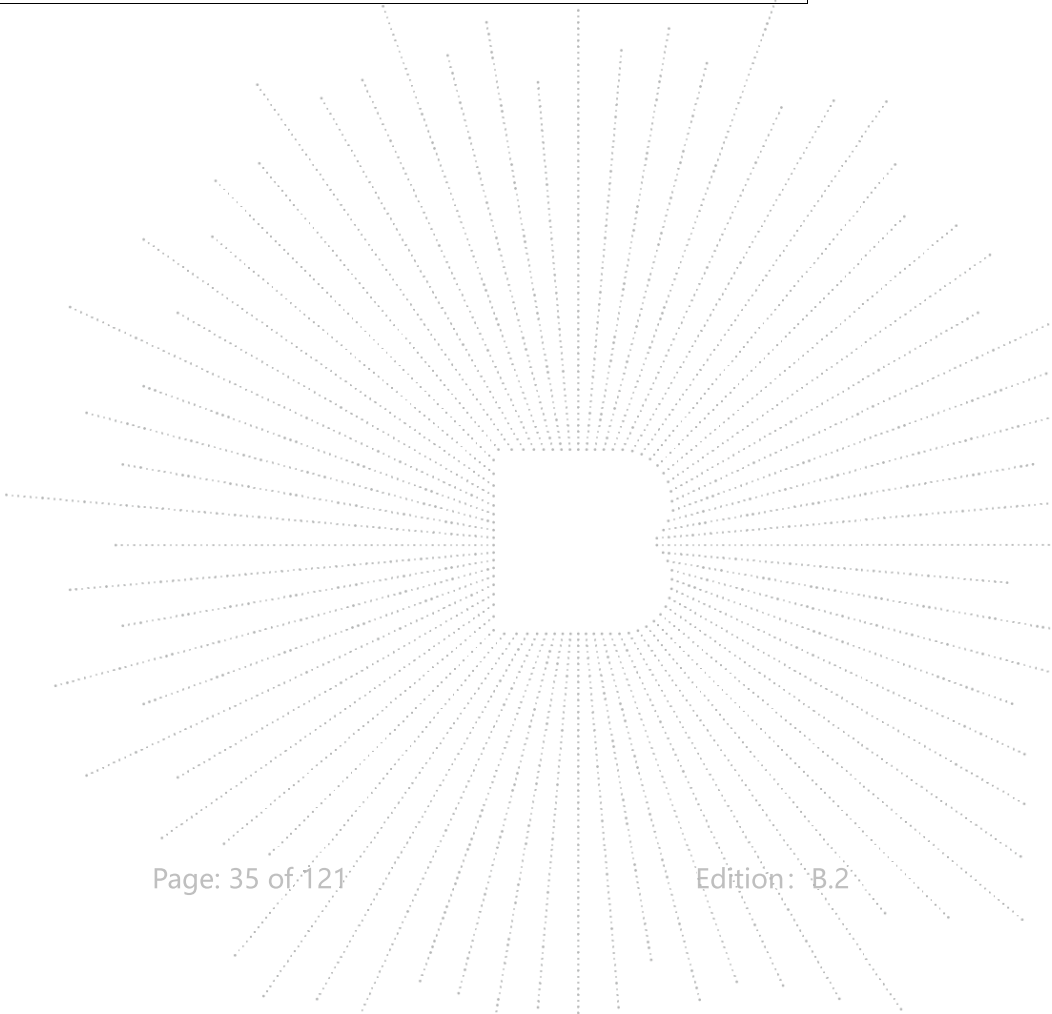
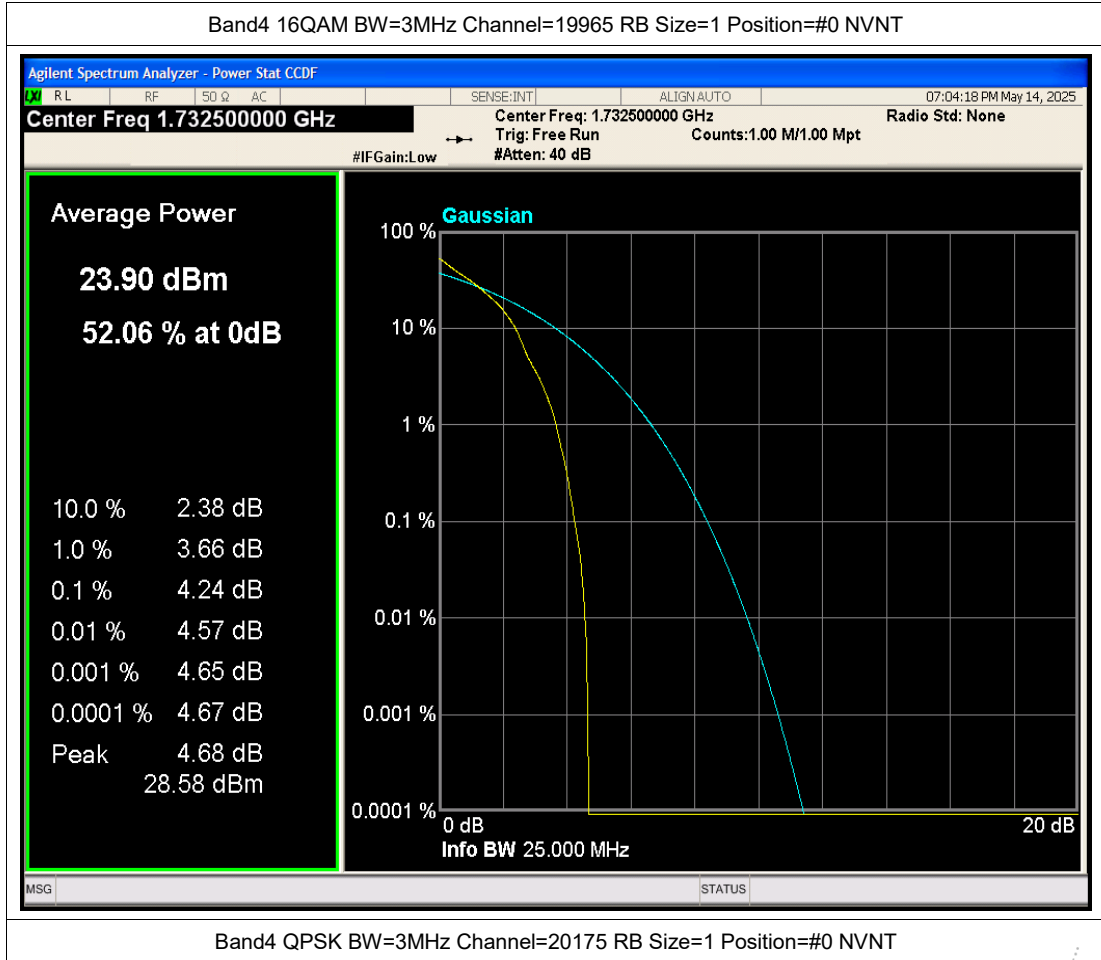
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT

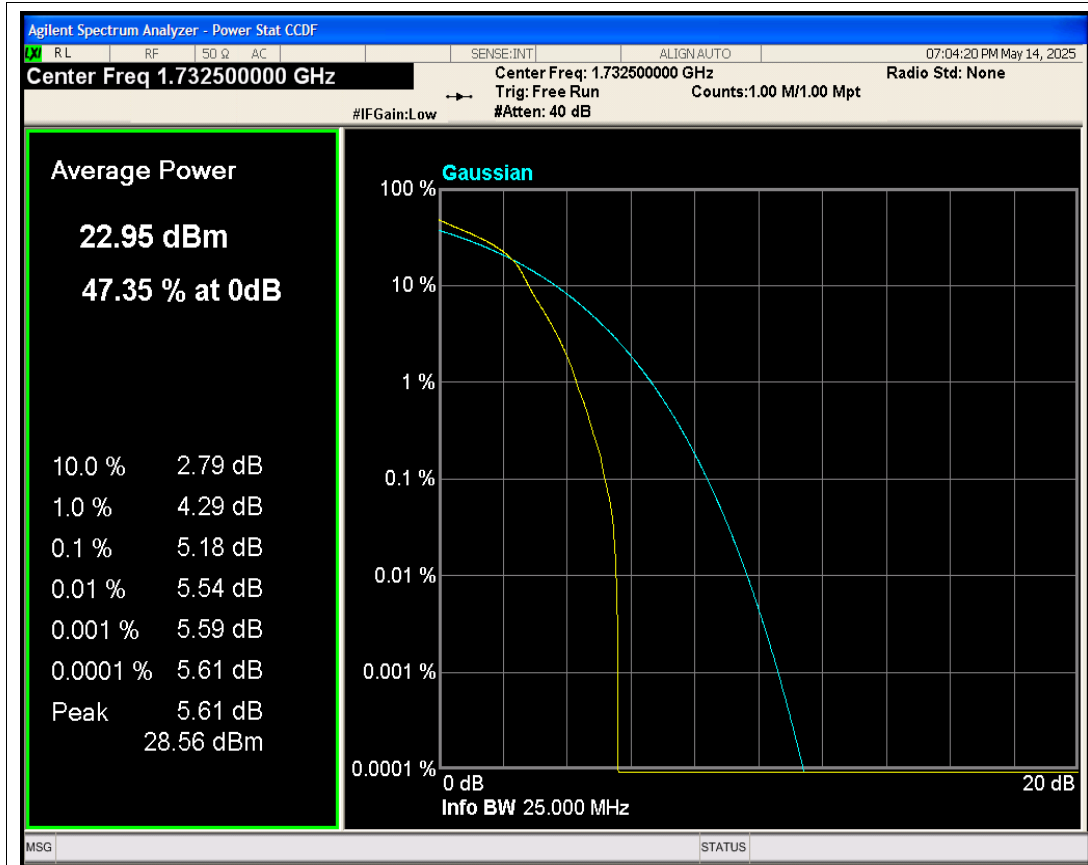




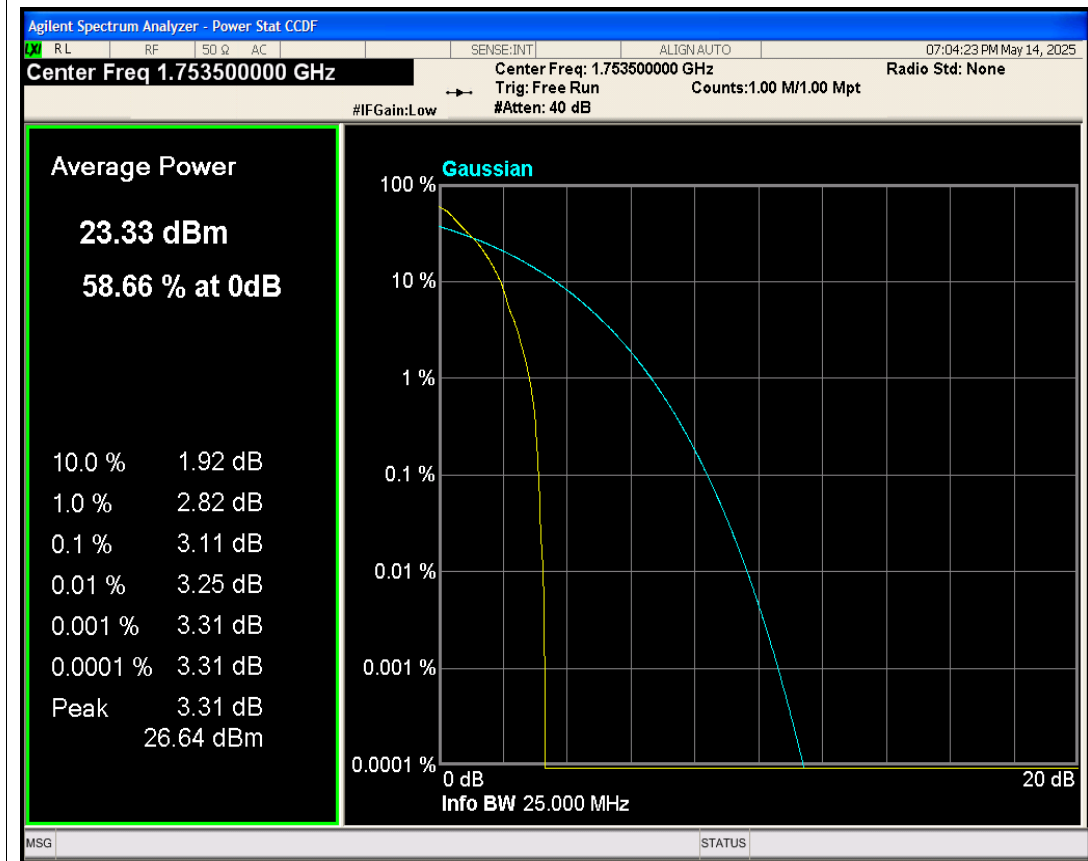
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

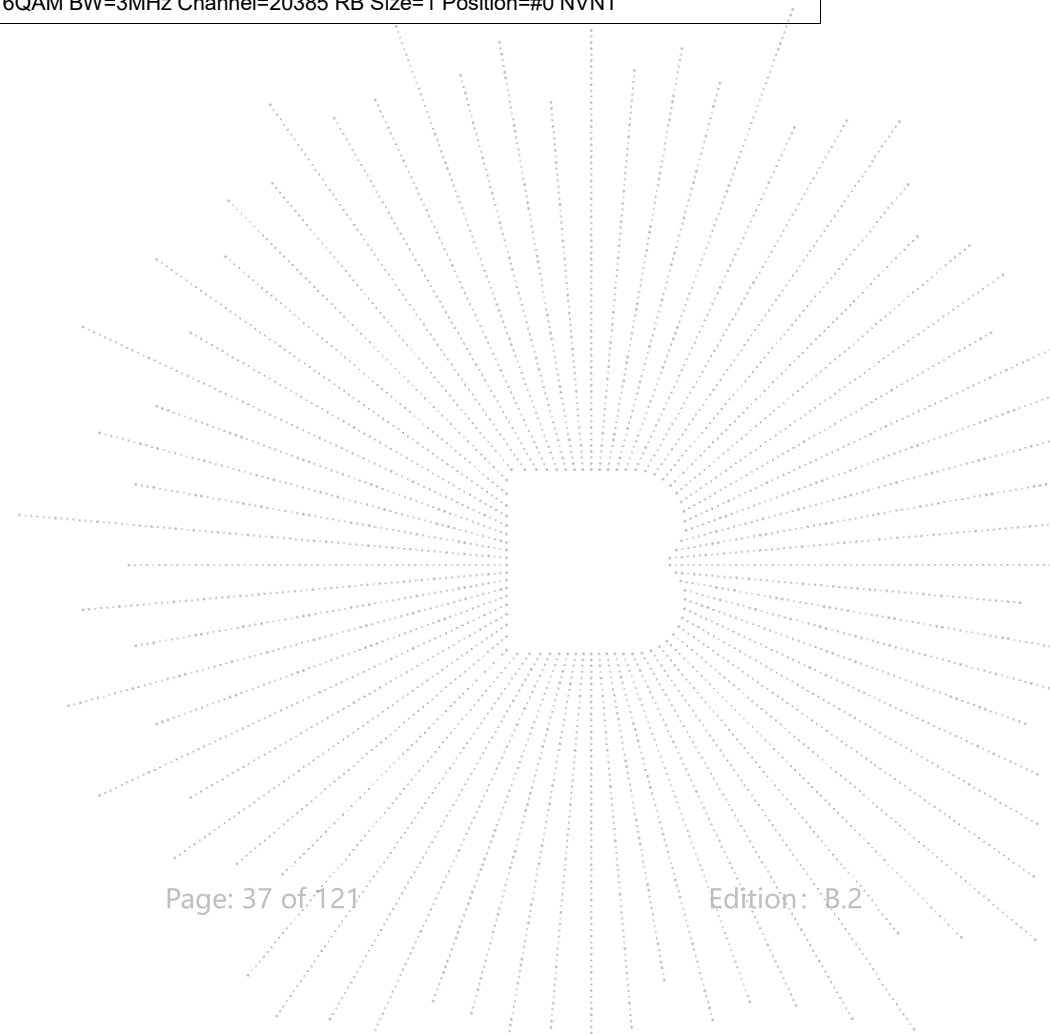
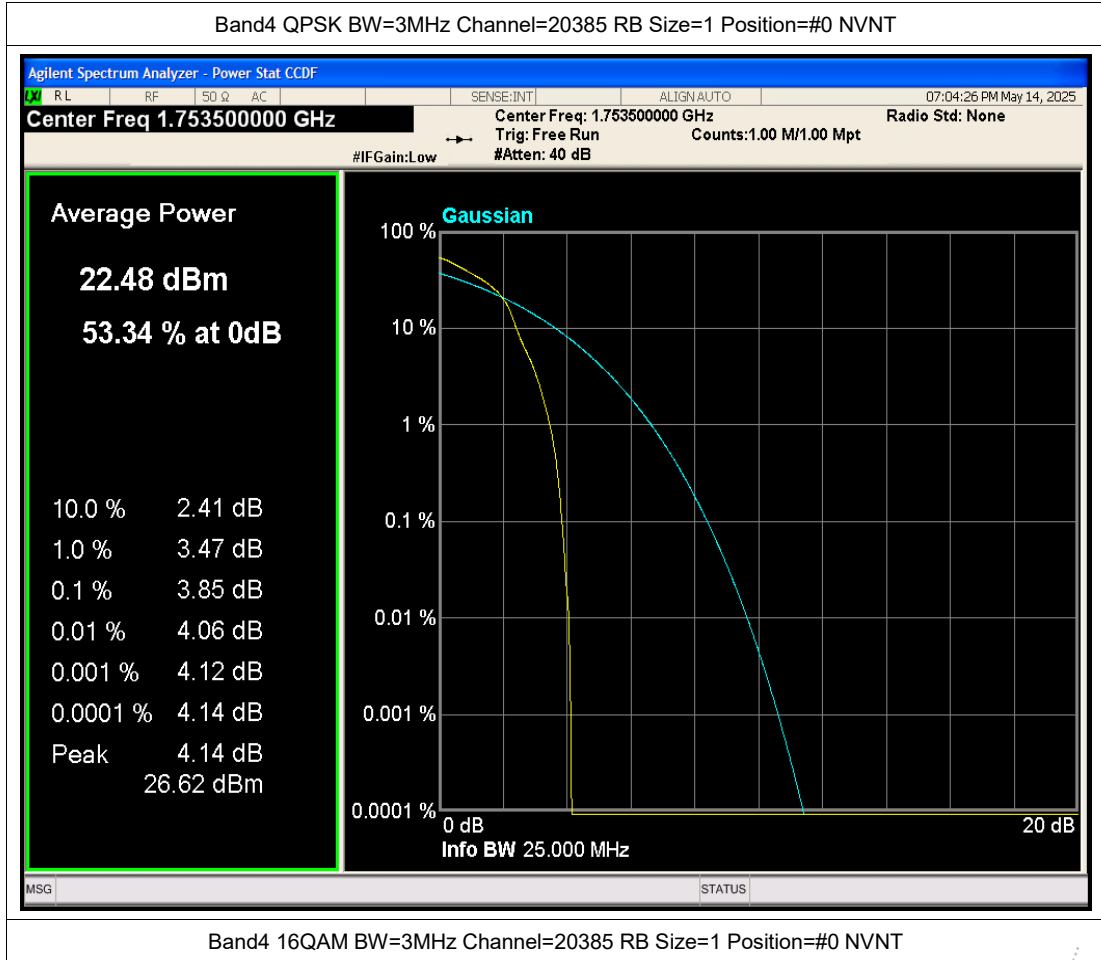


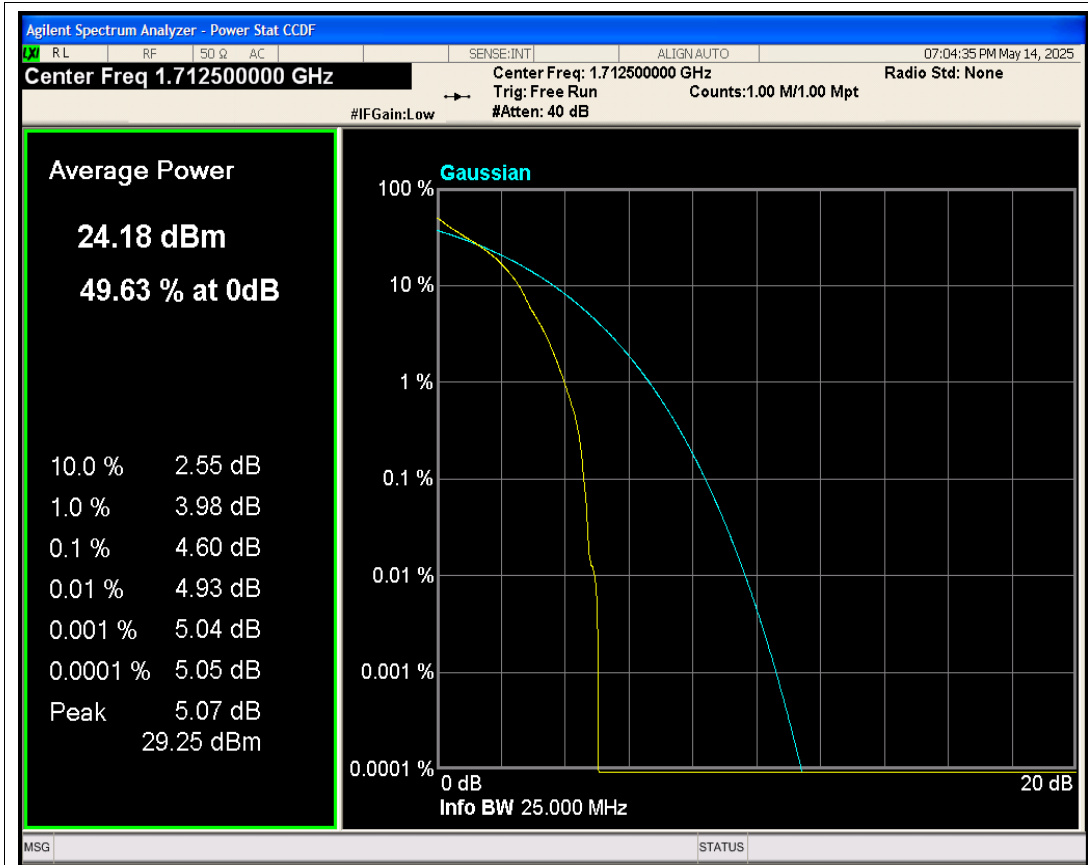




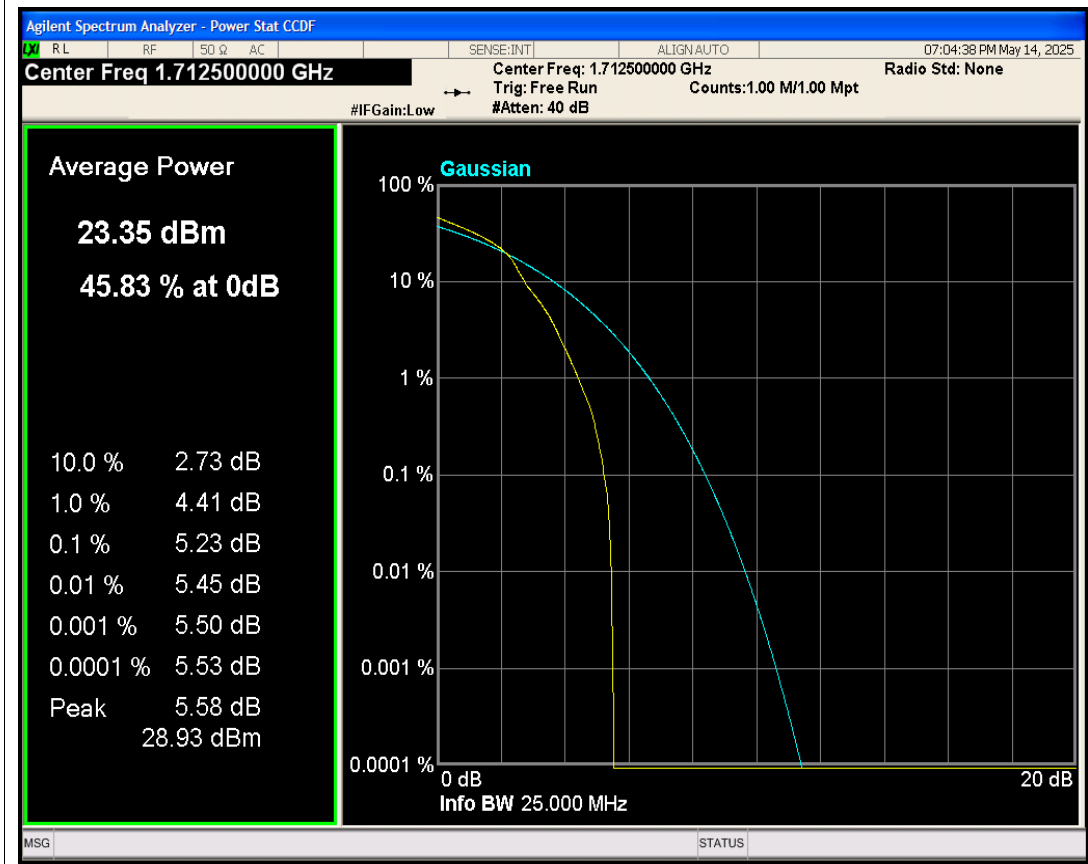
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

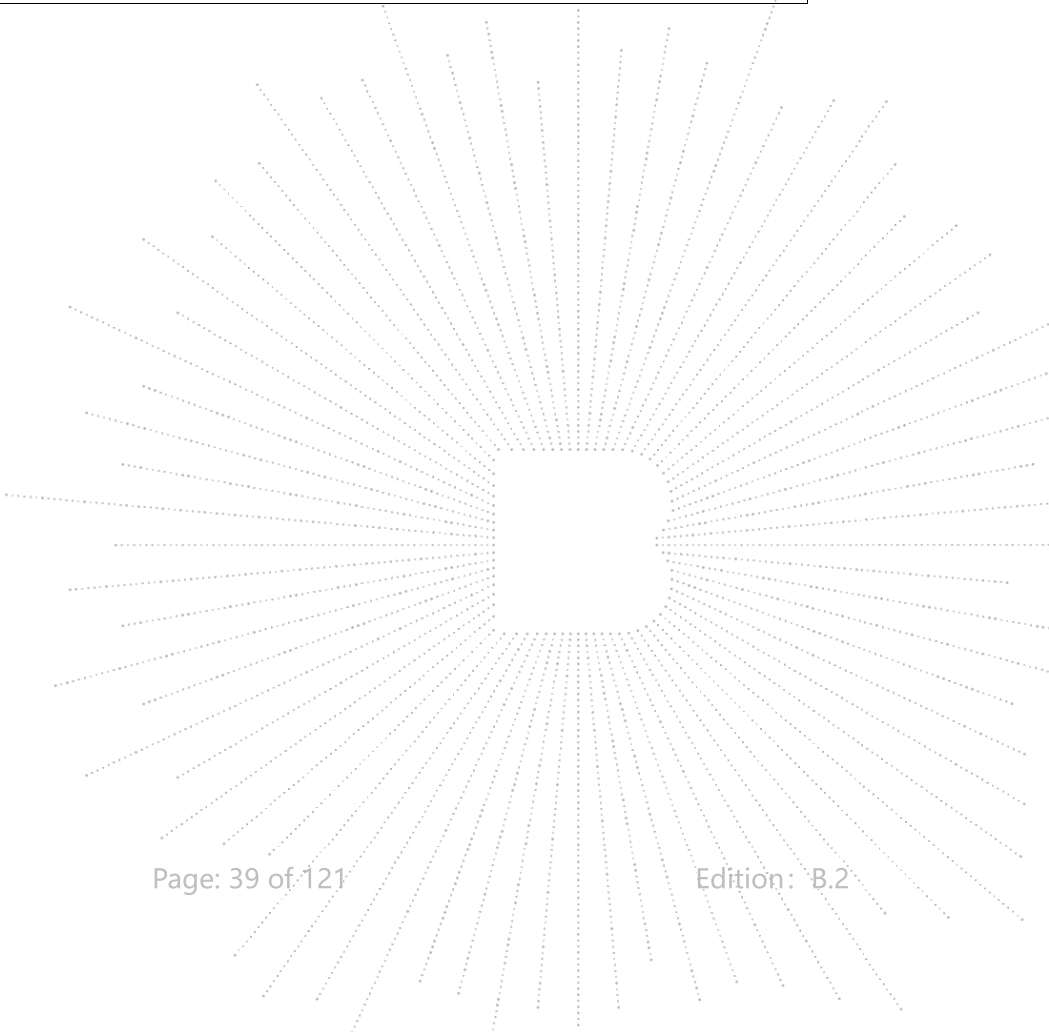
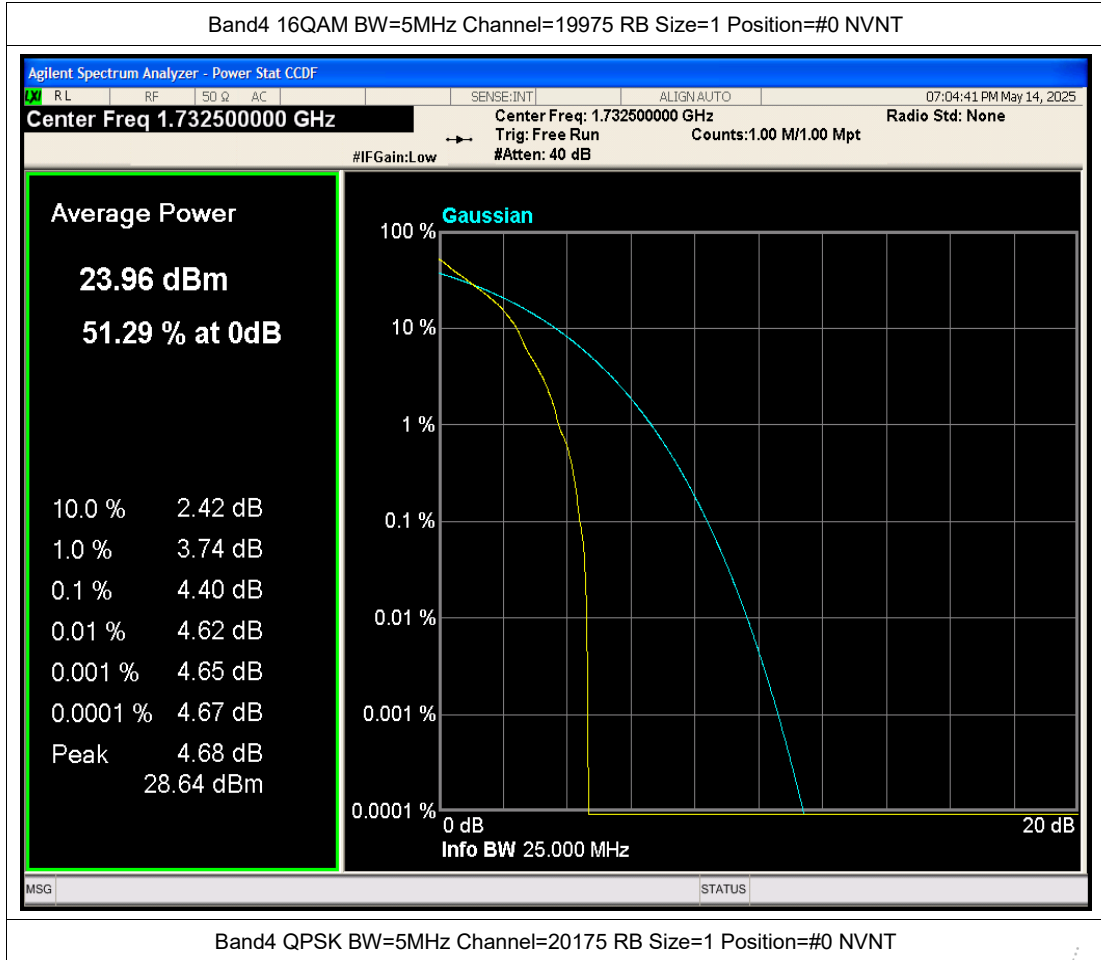


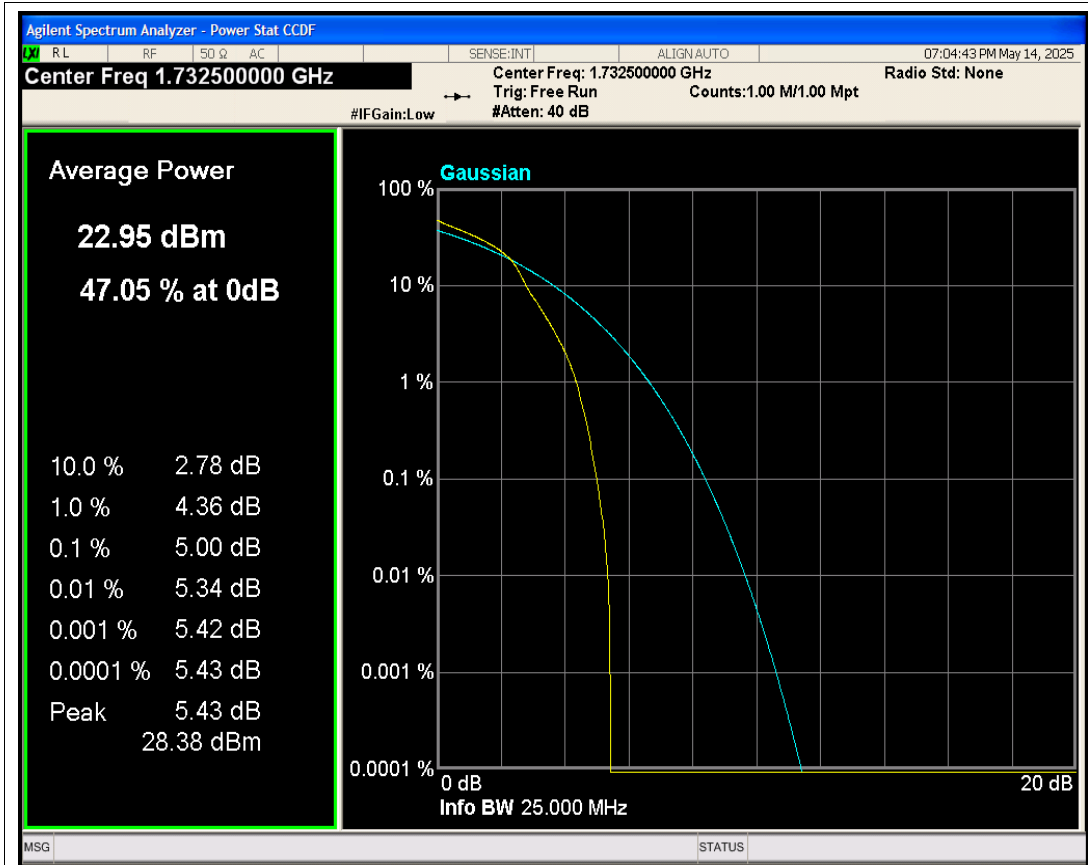




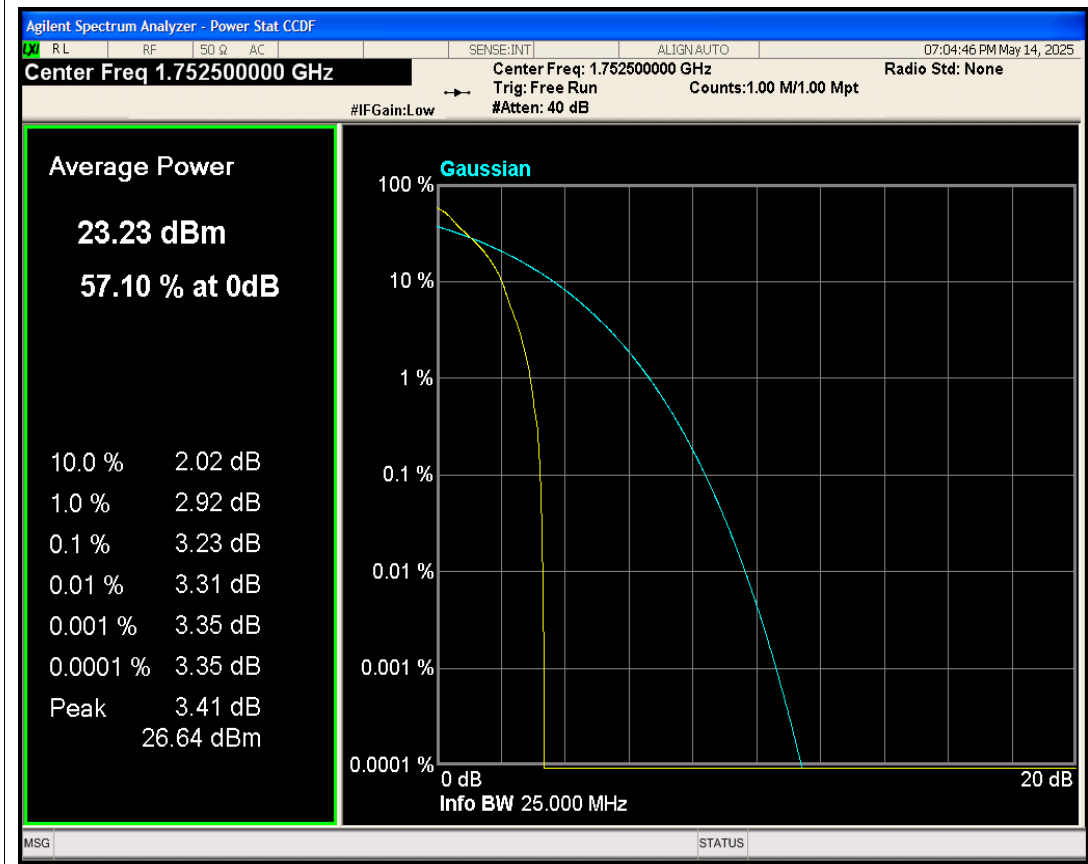
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

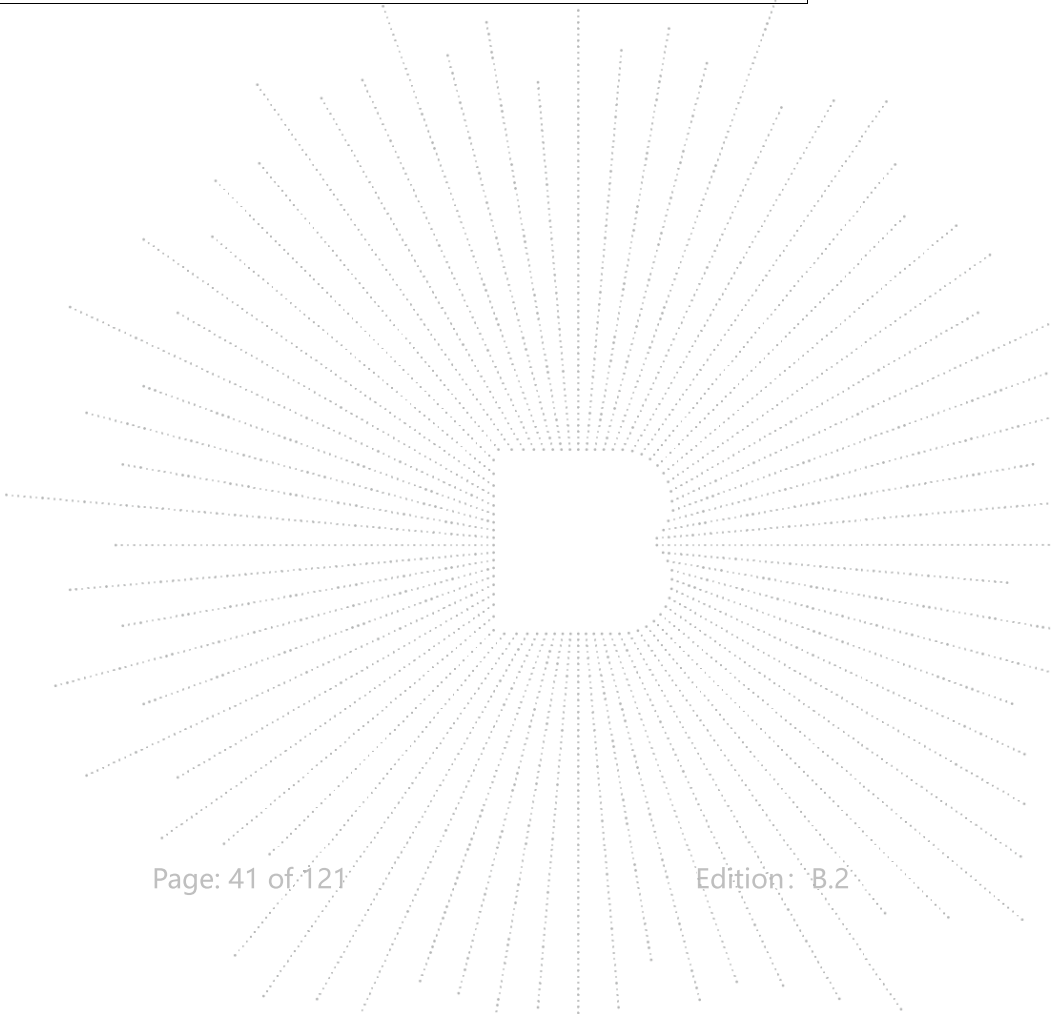
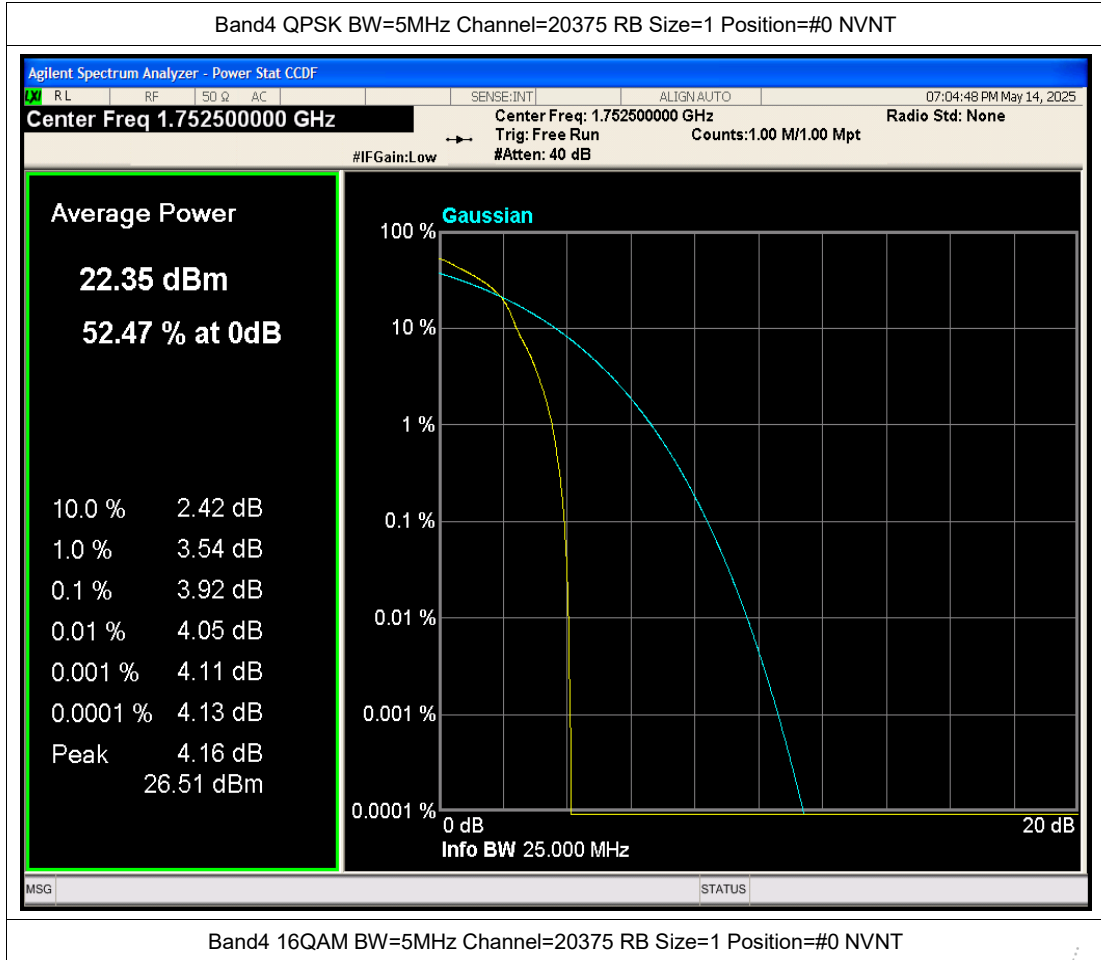


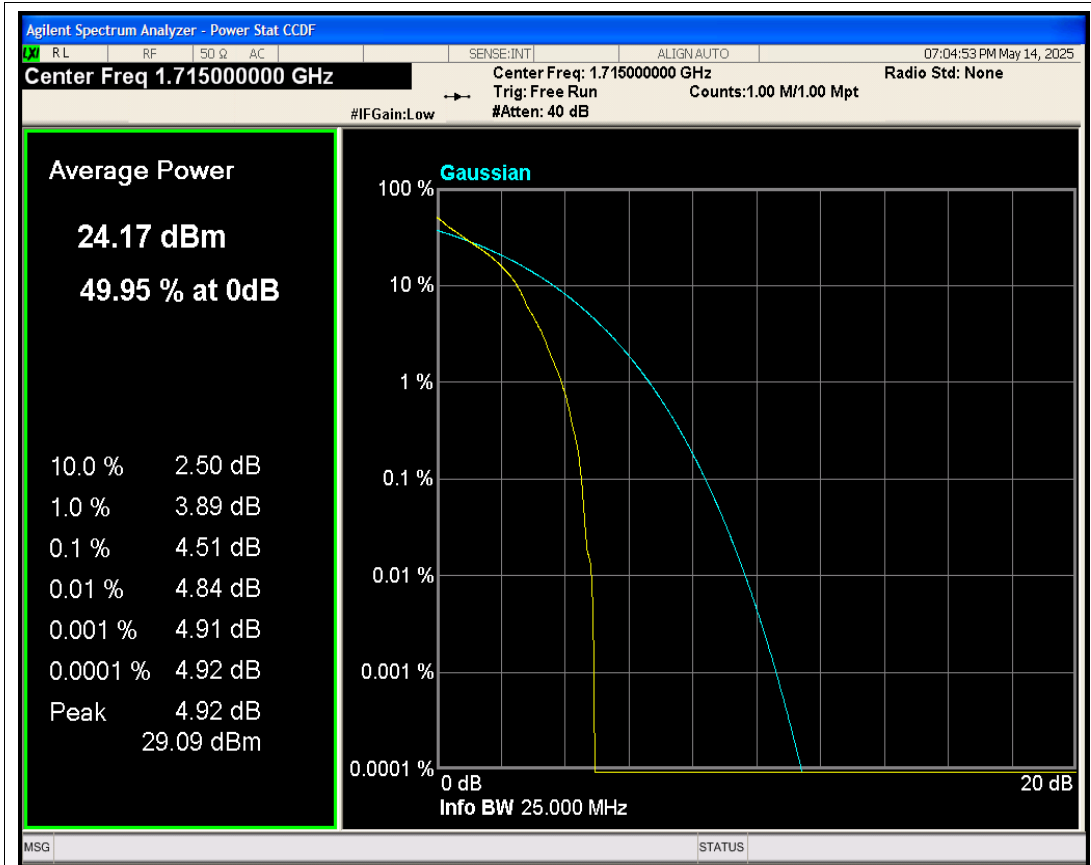




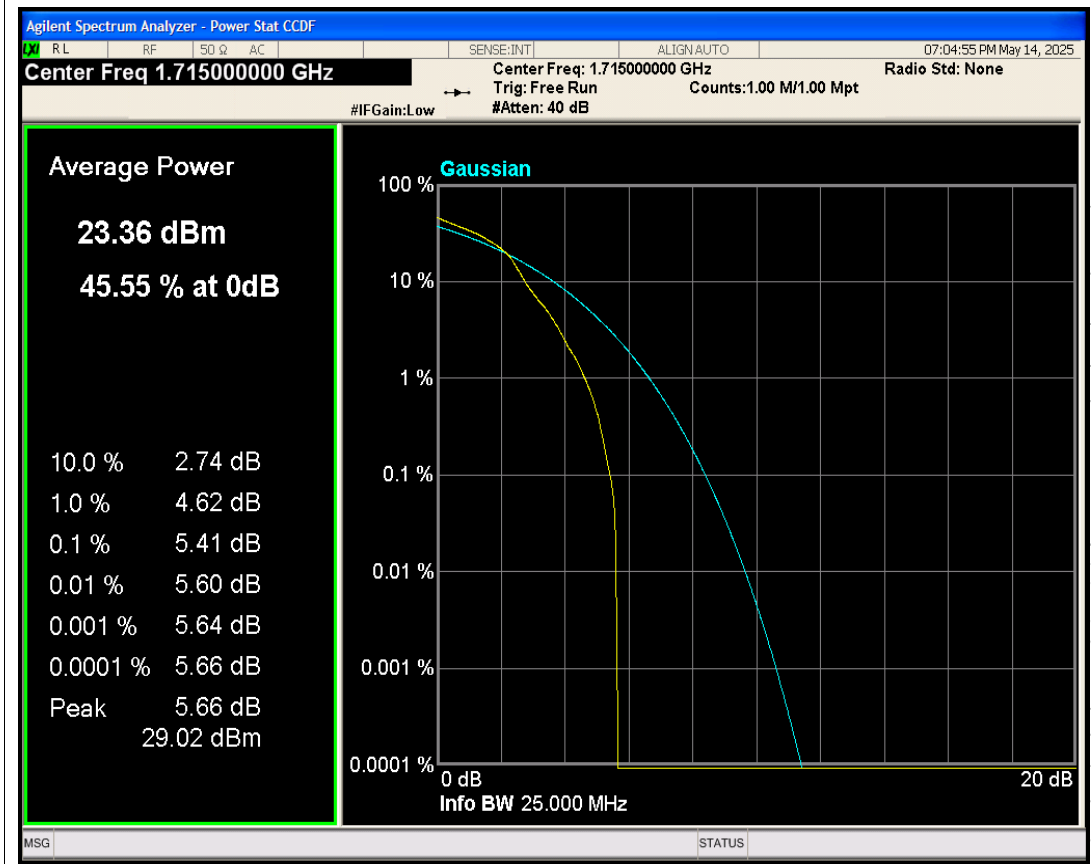
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

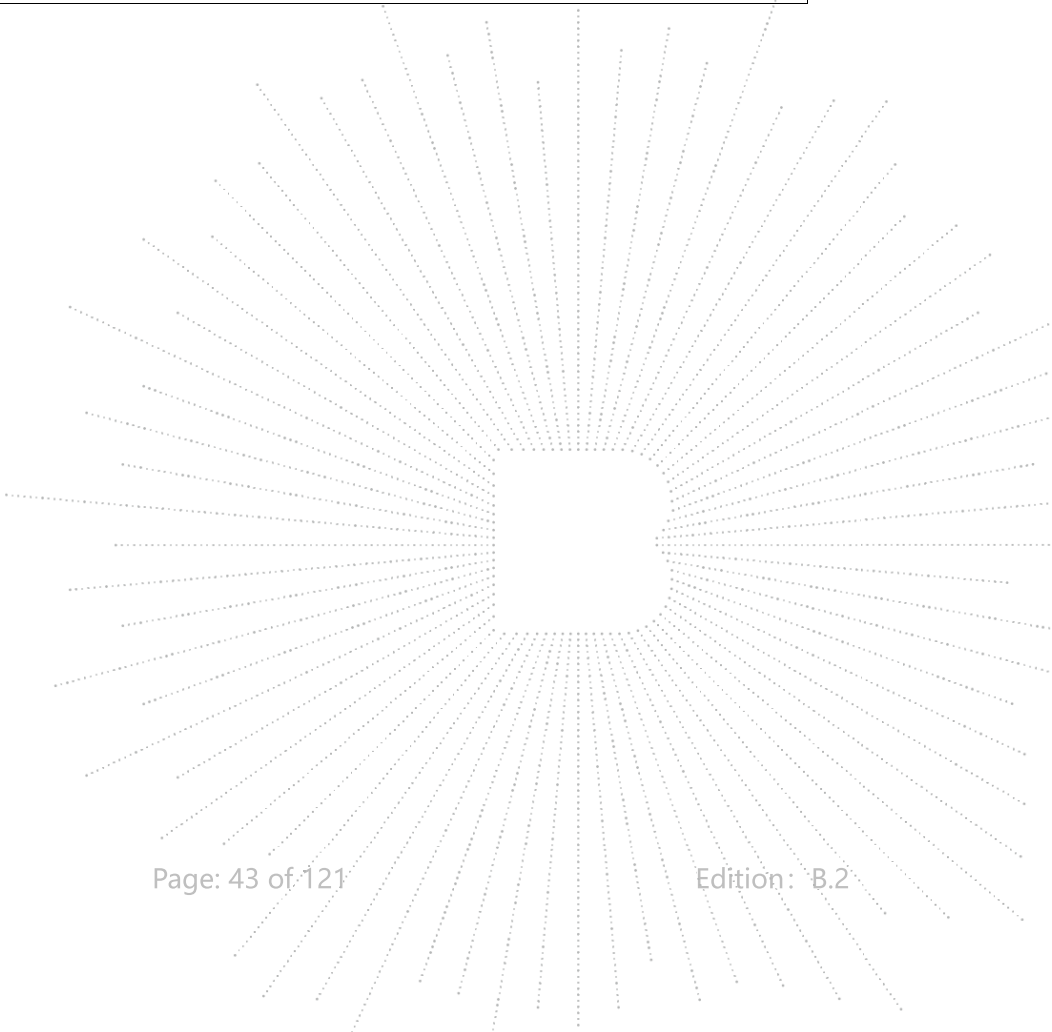
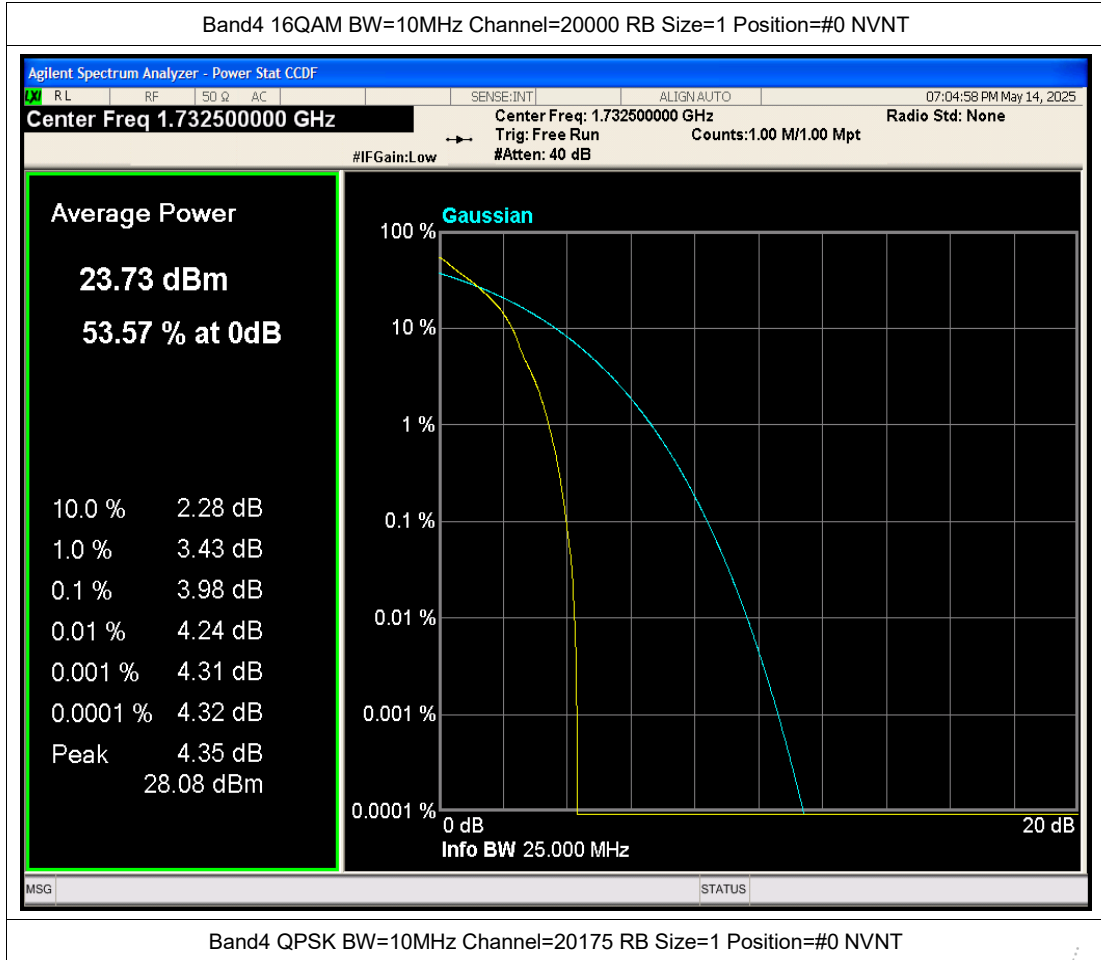


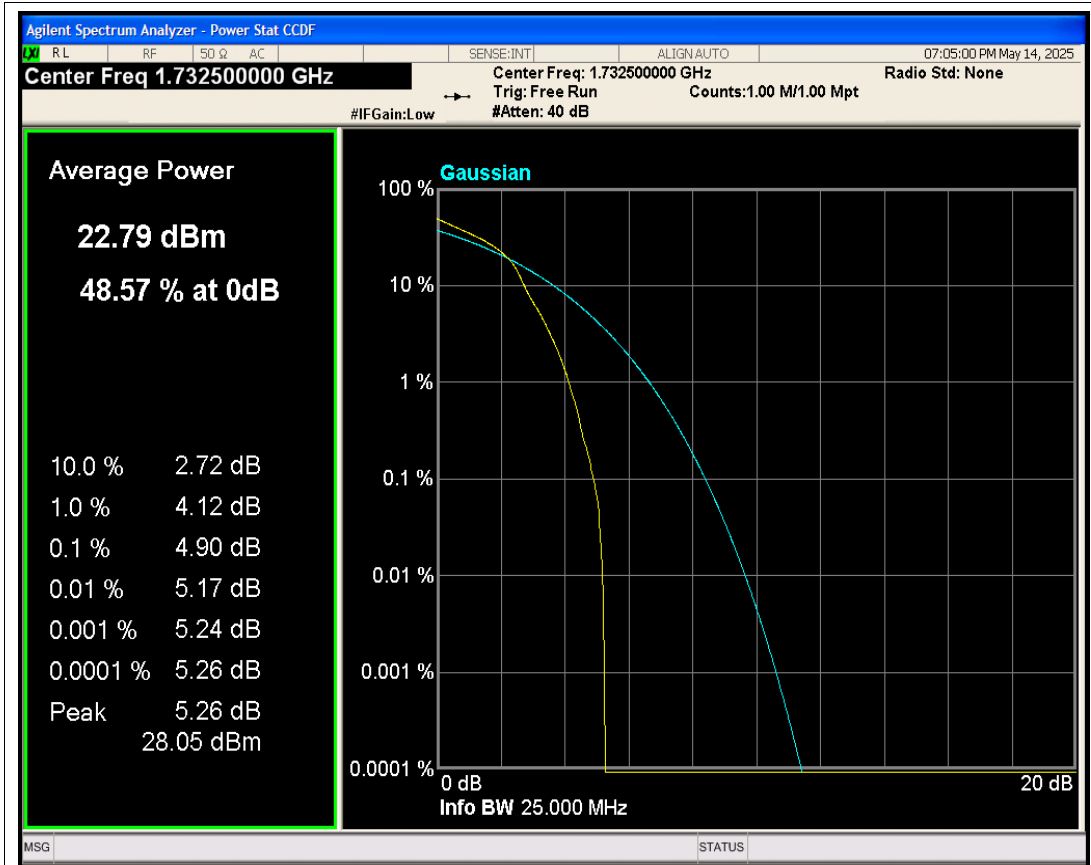




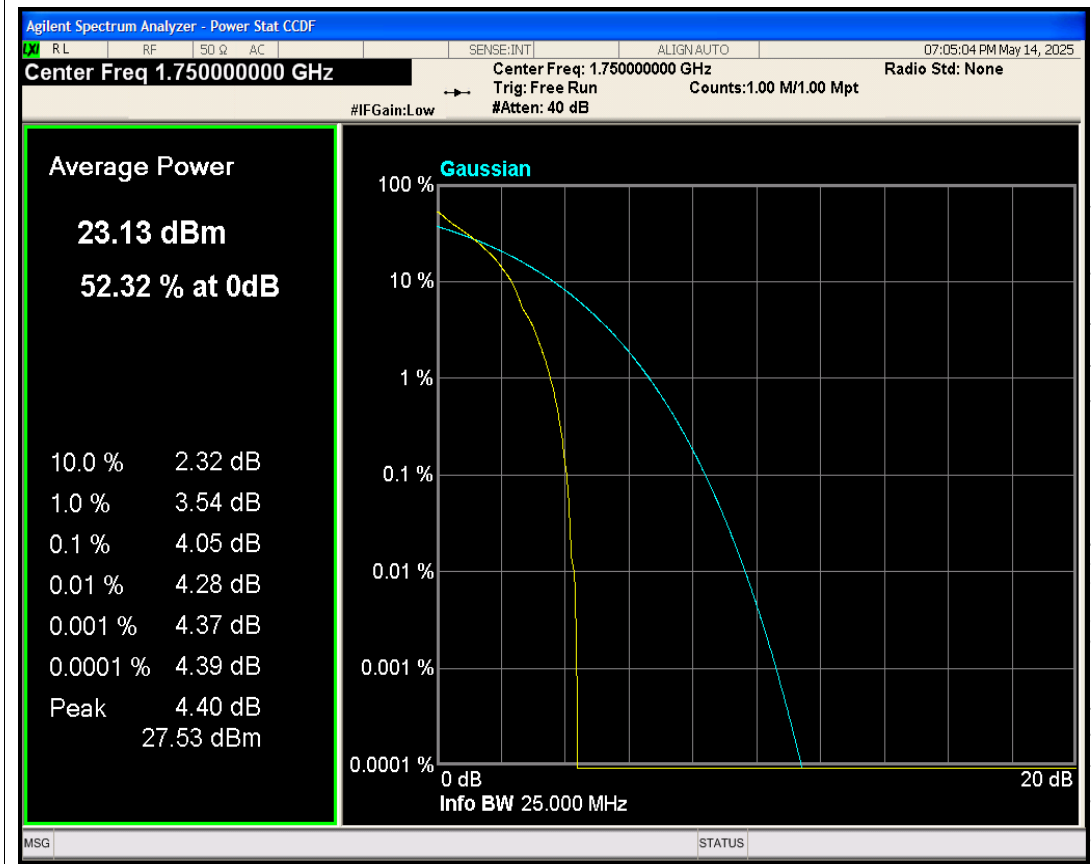
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

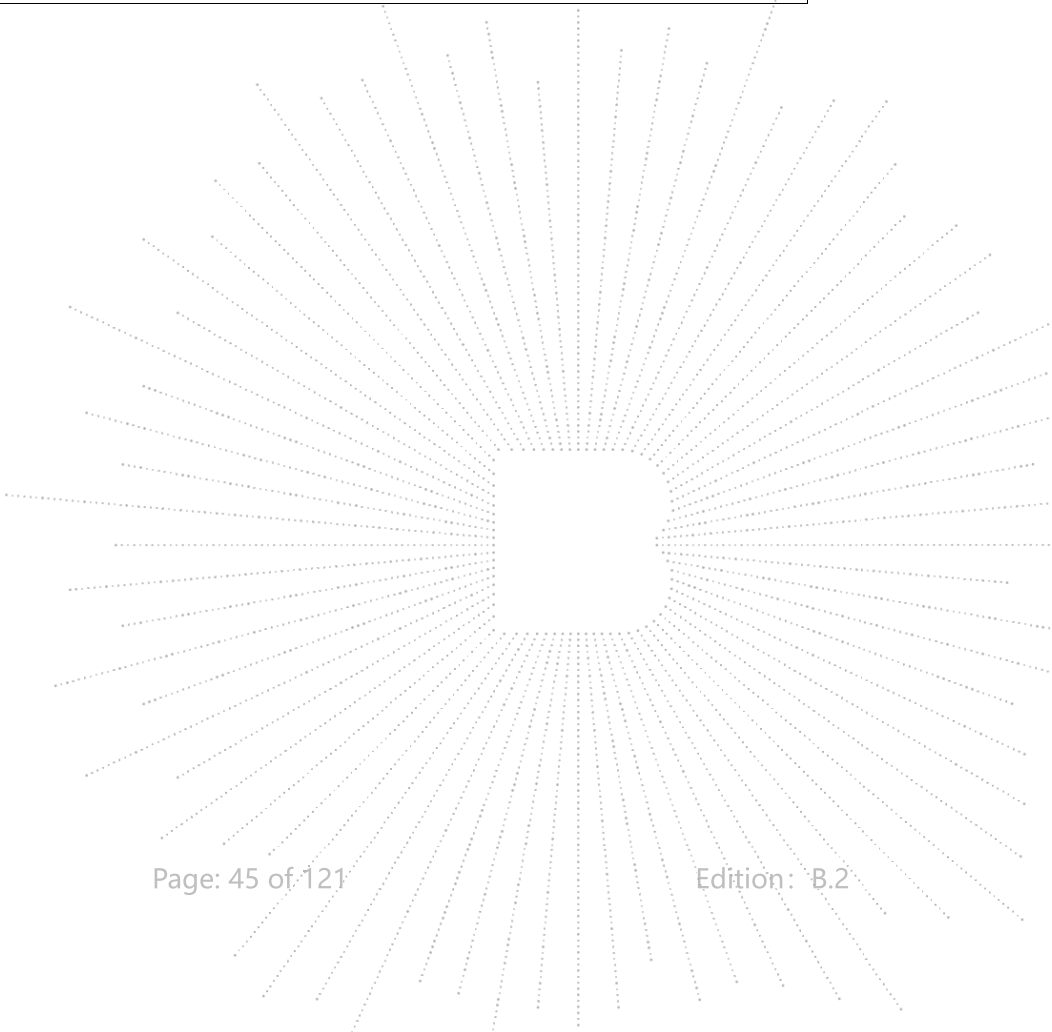
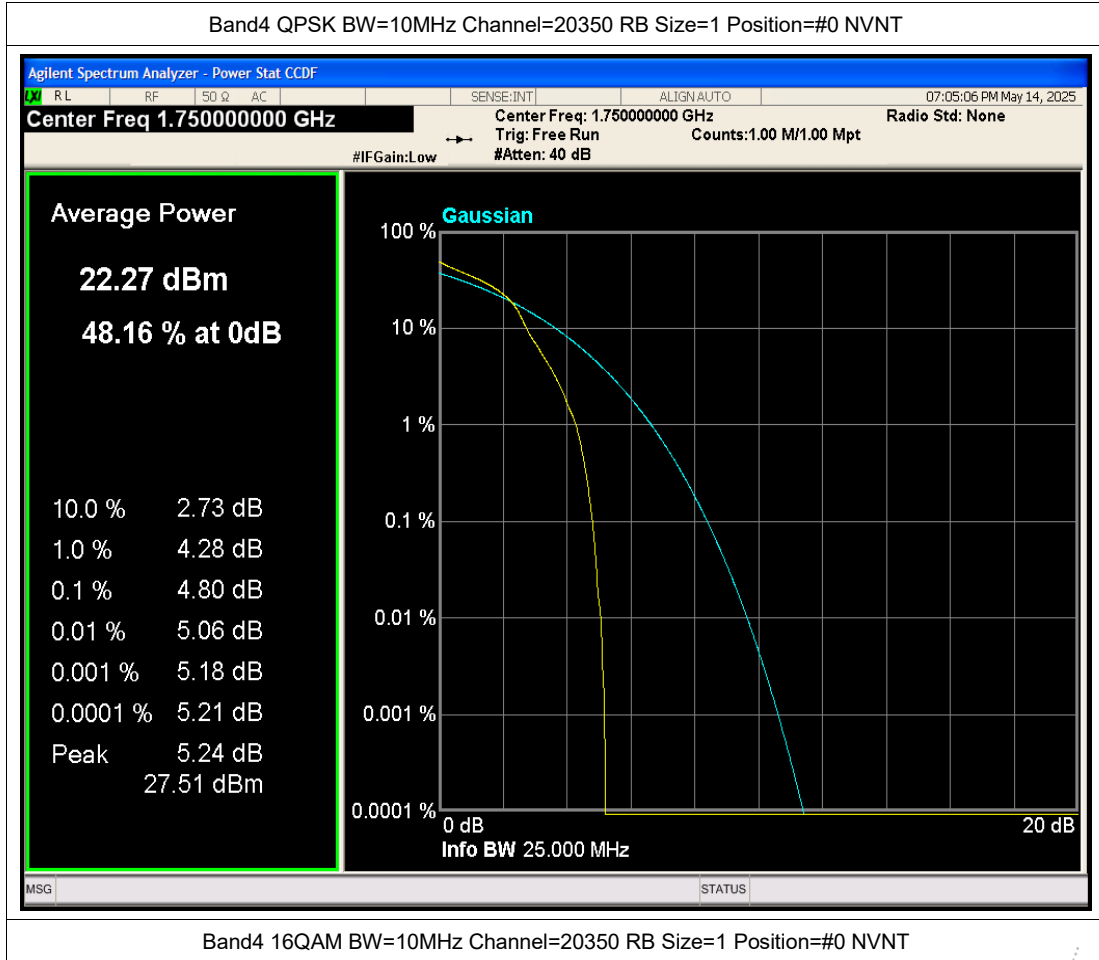


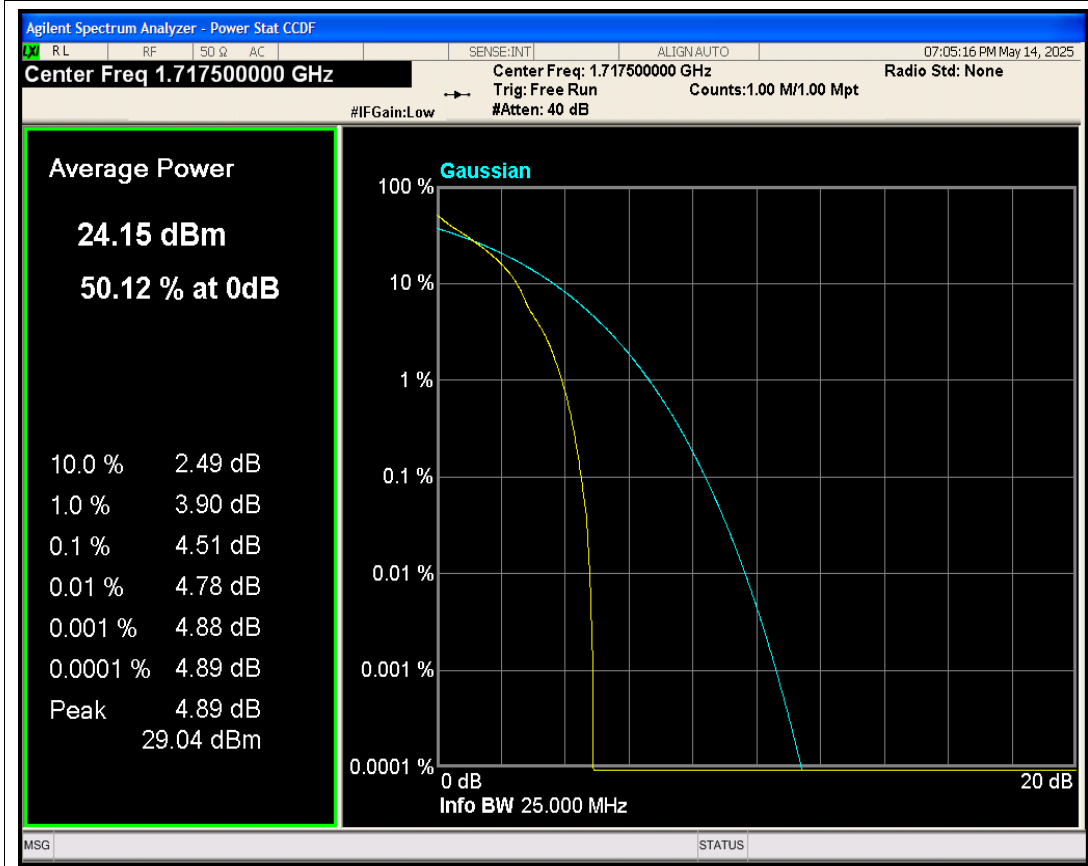




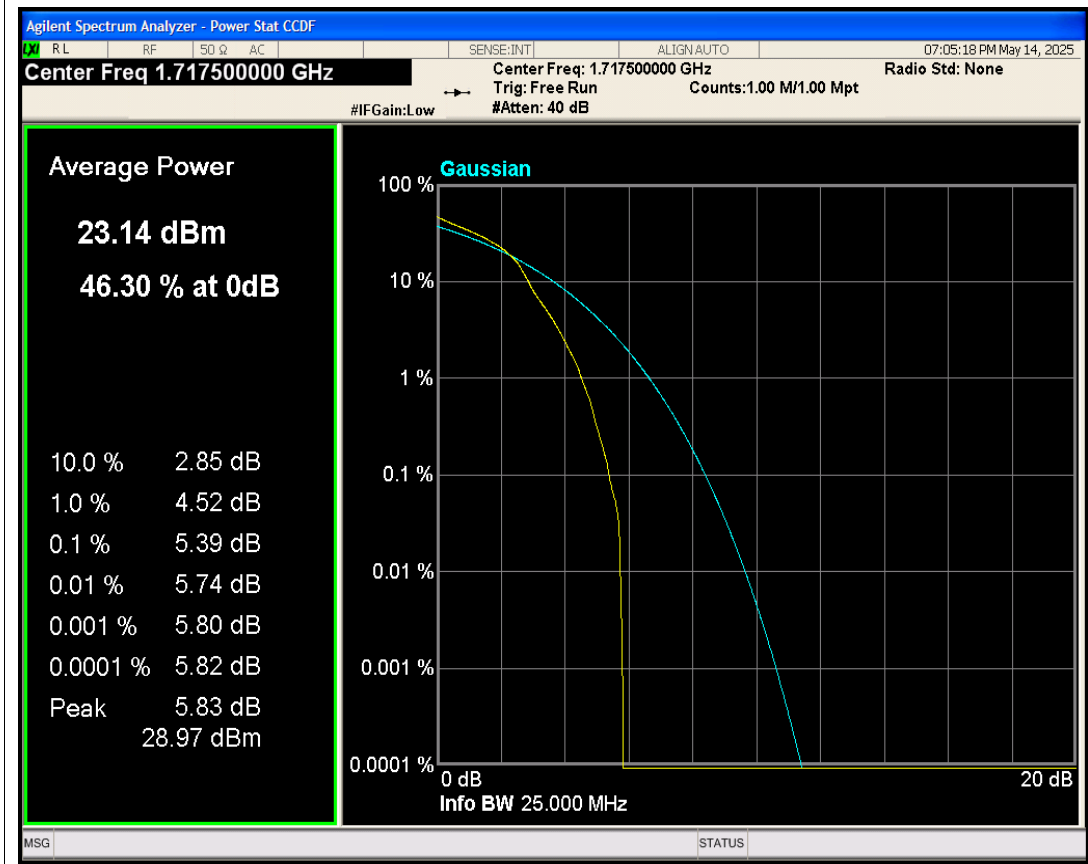
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

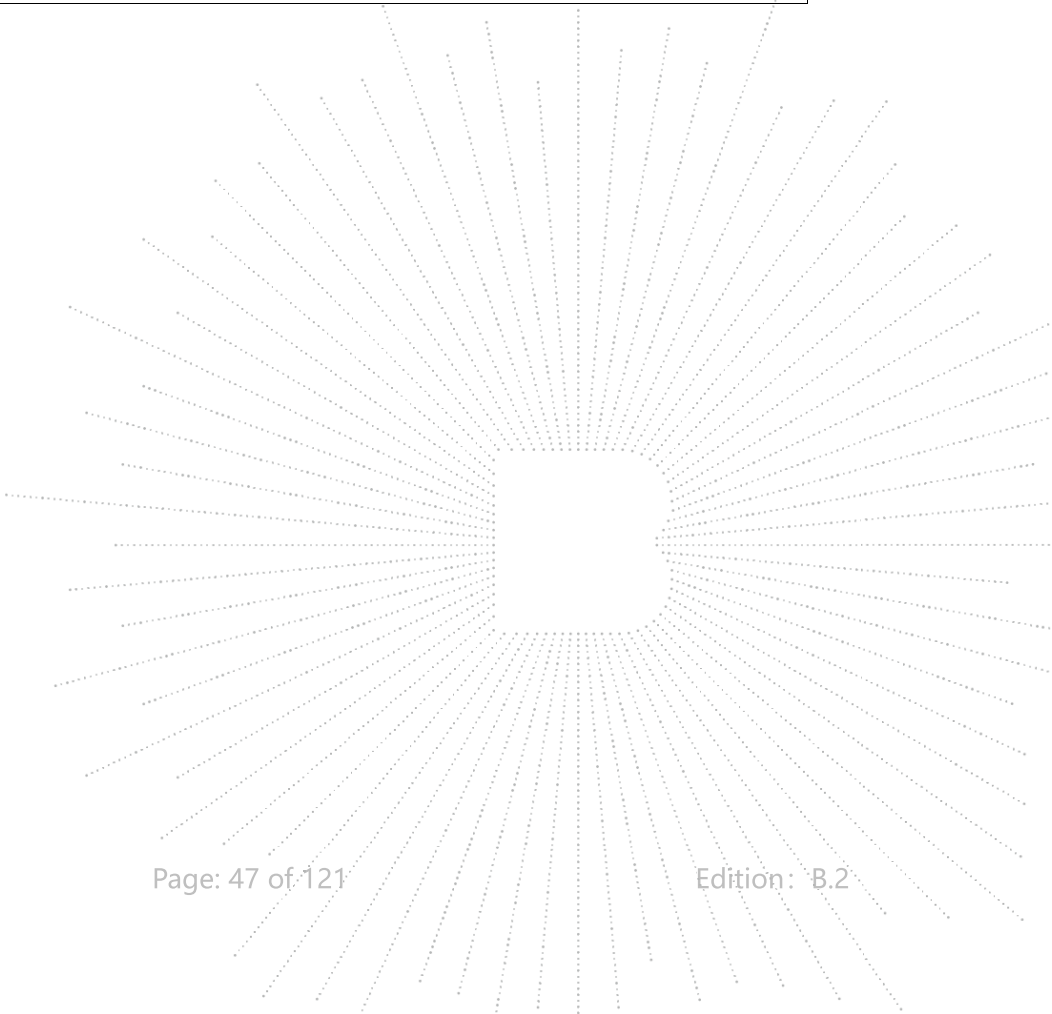
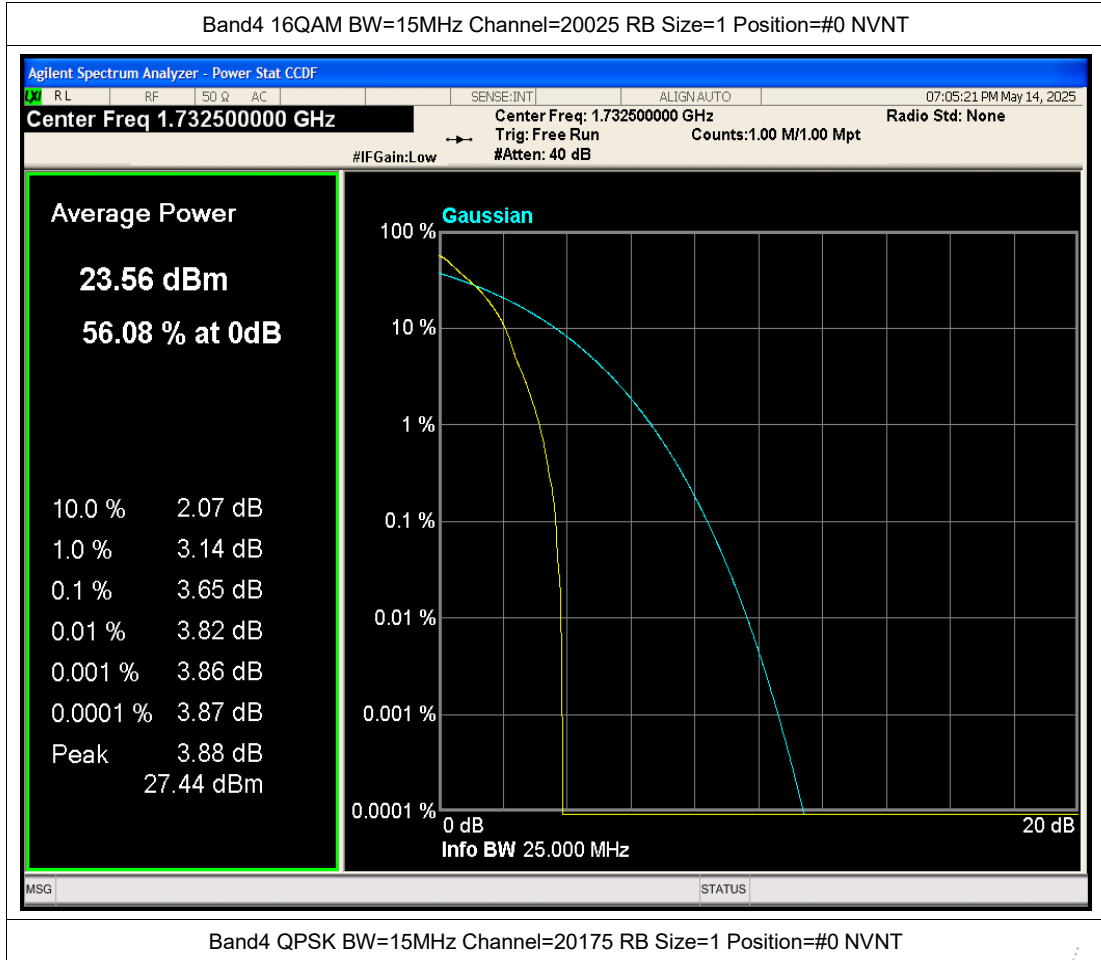


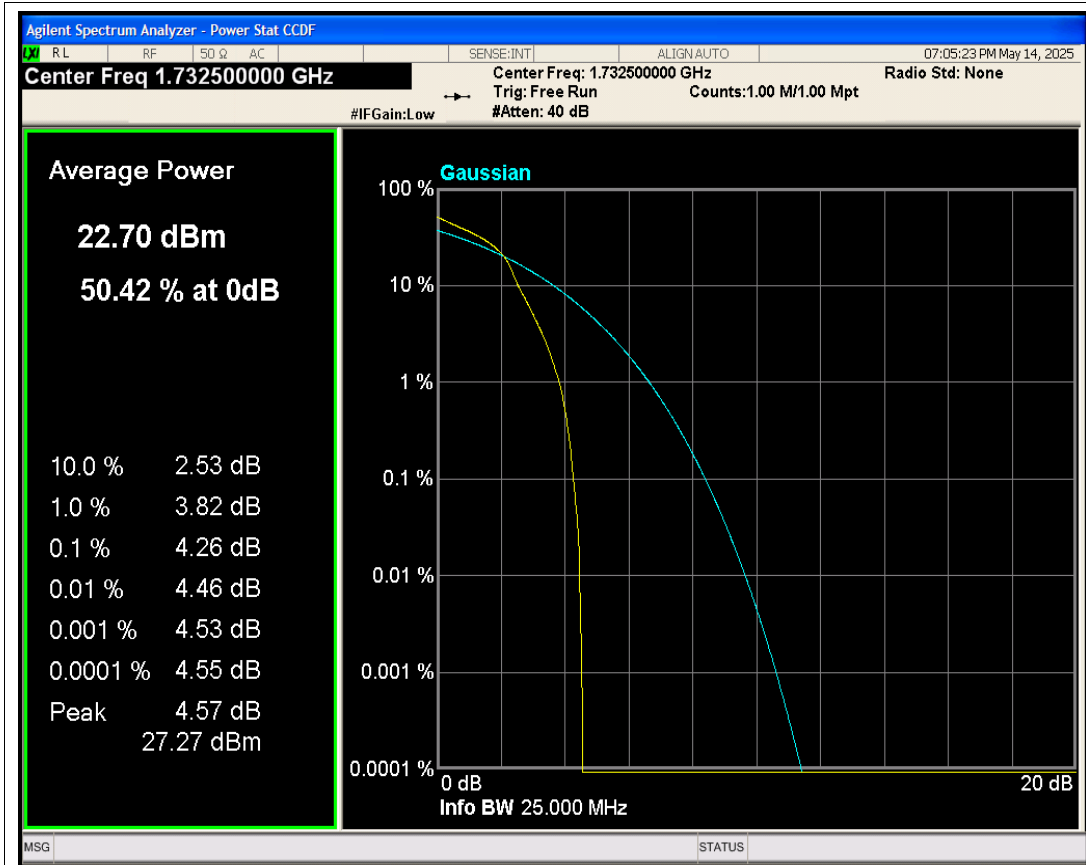




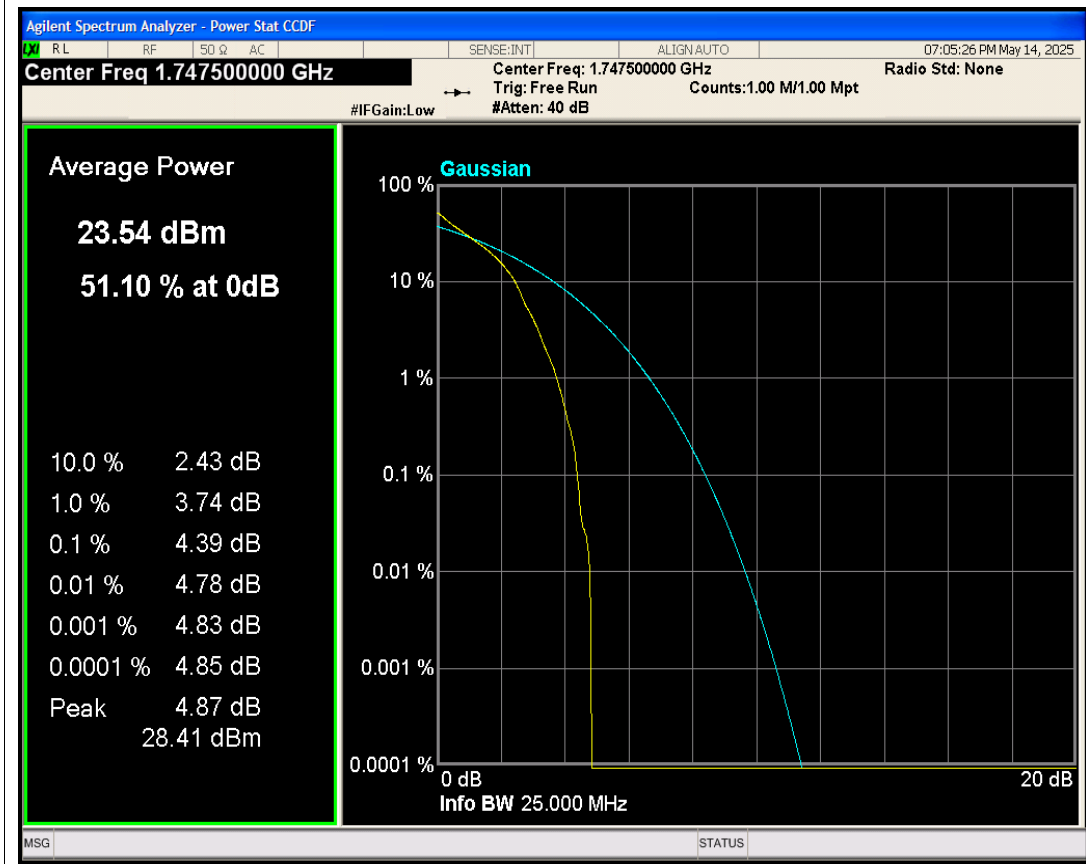
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

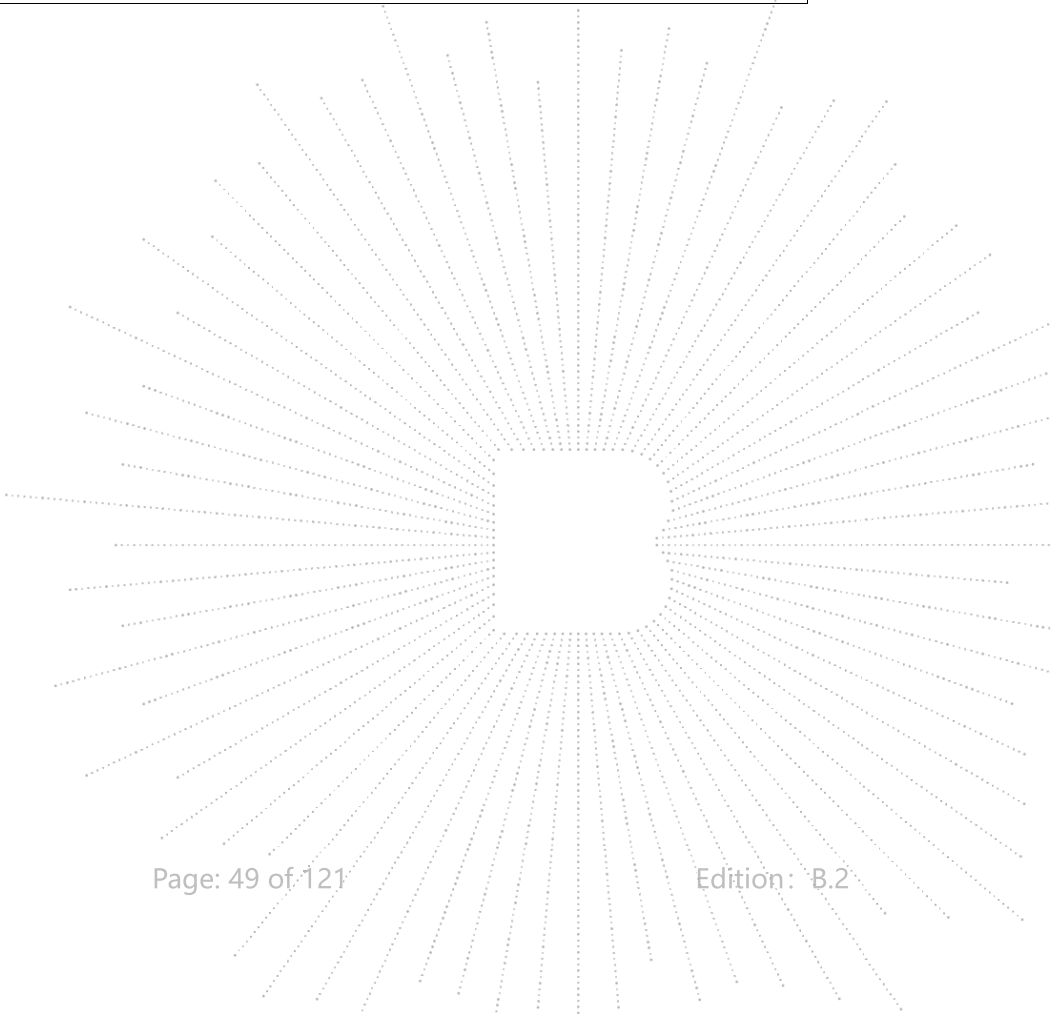
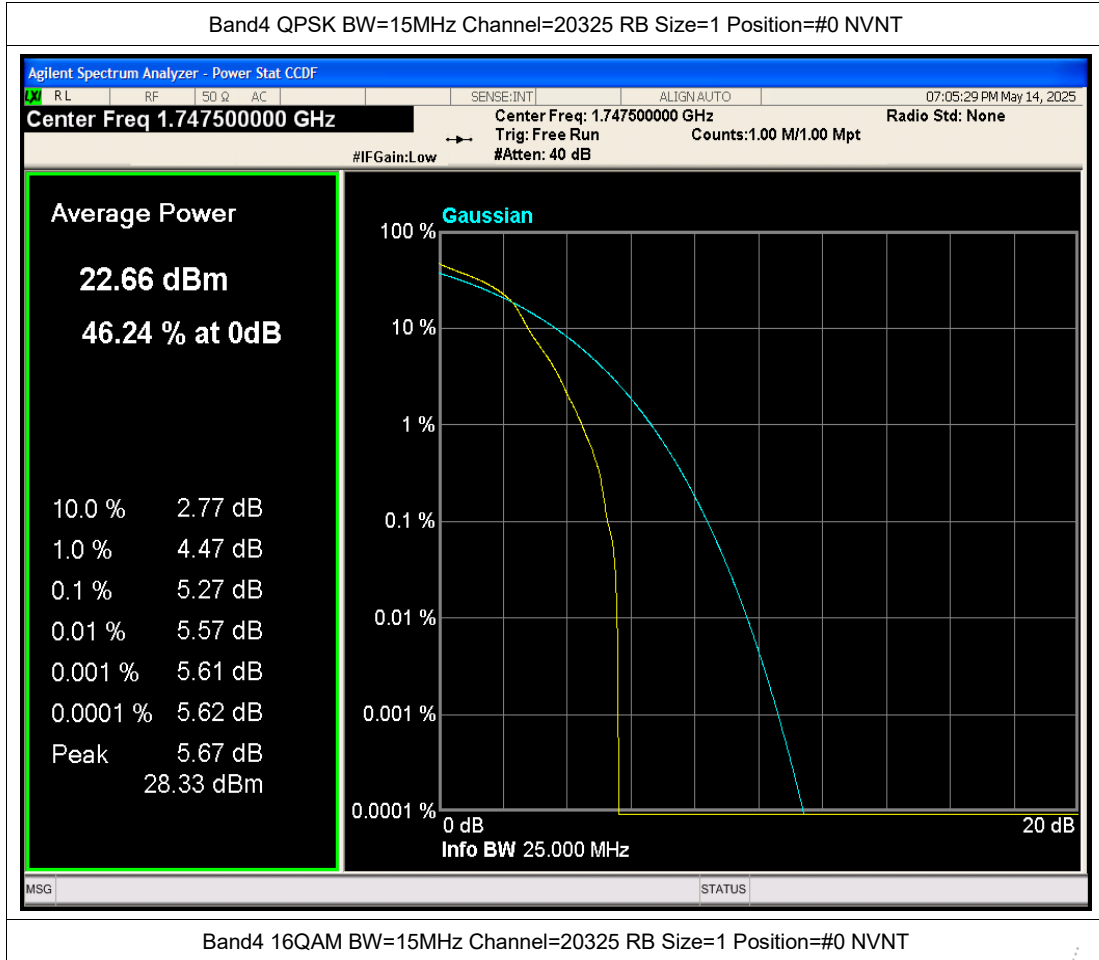


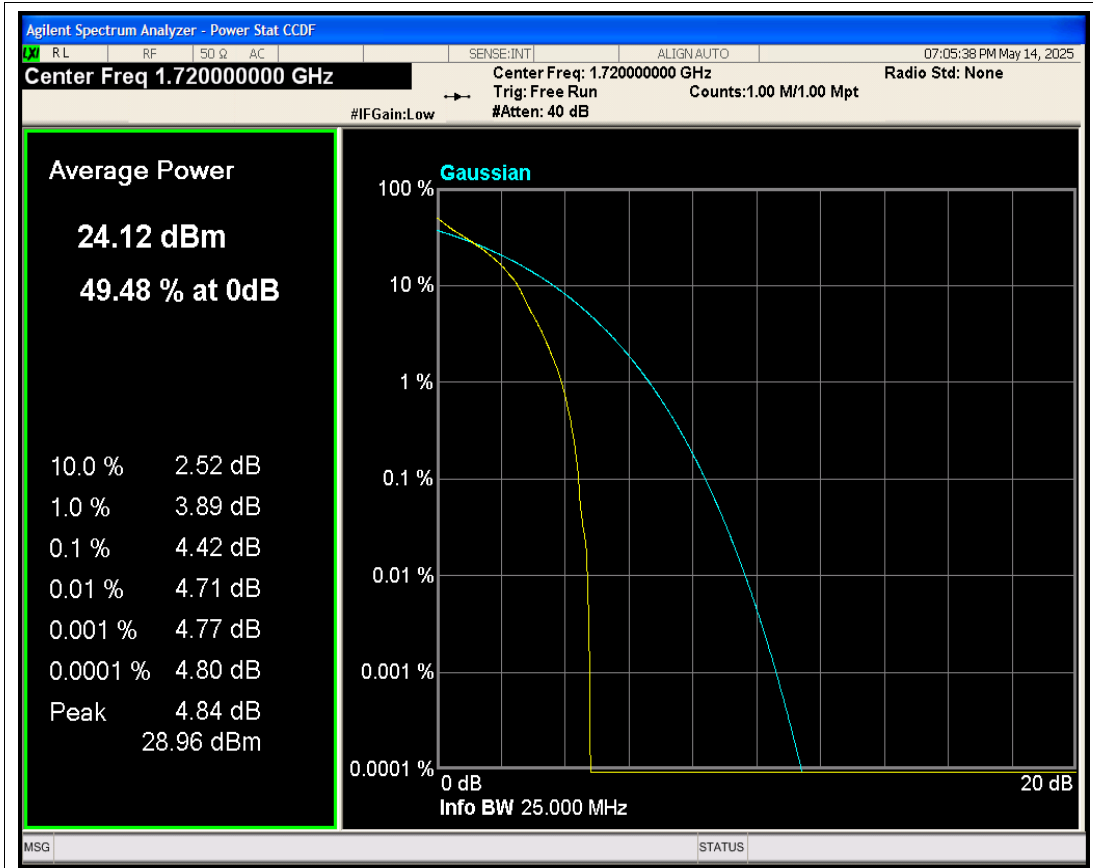




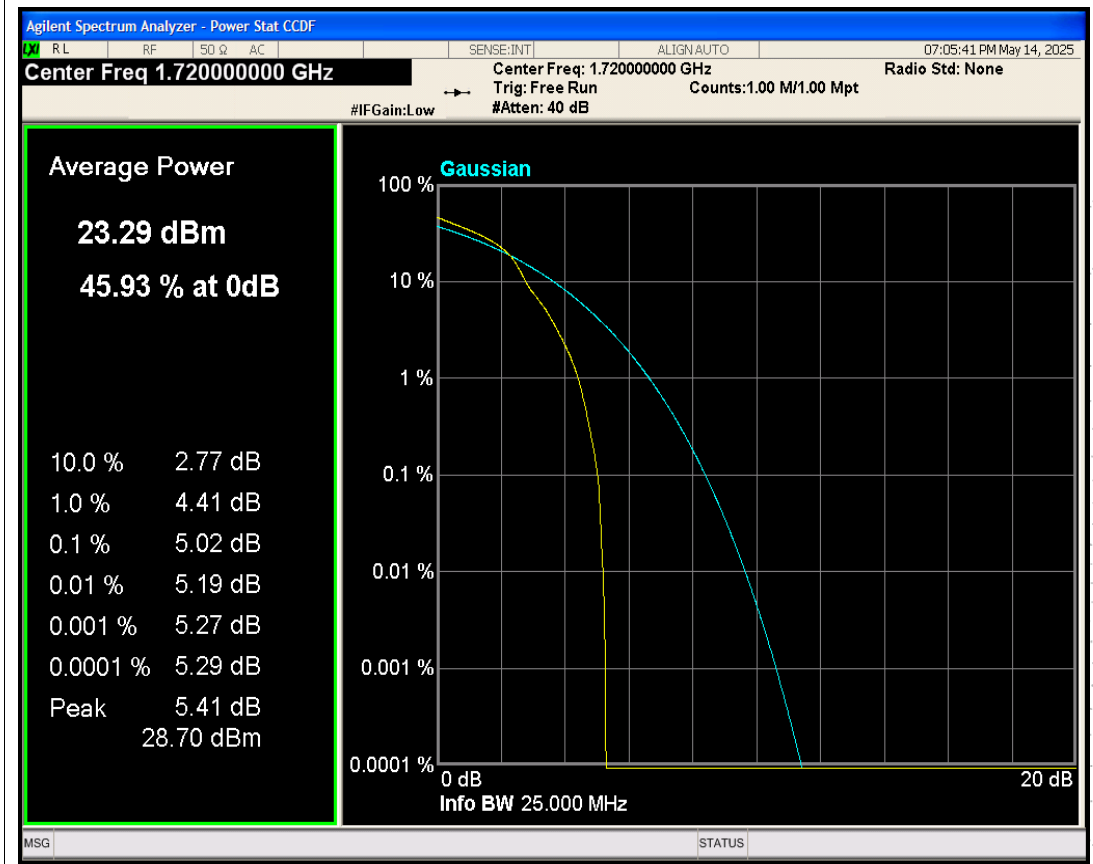
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

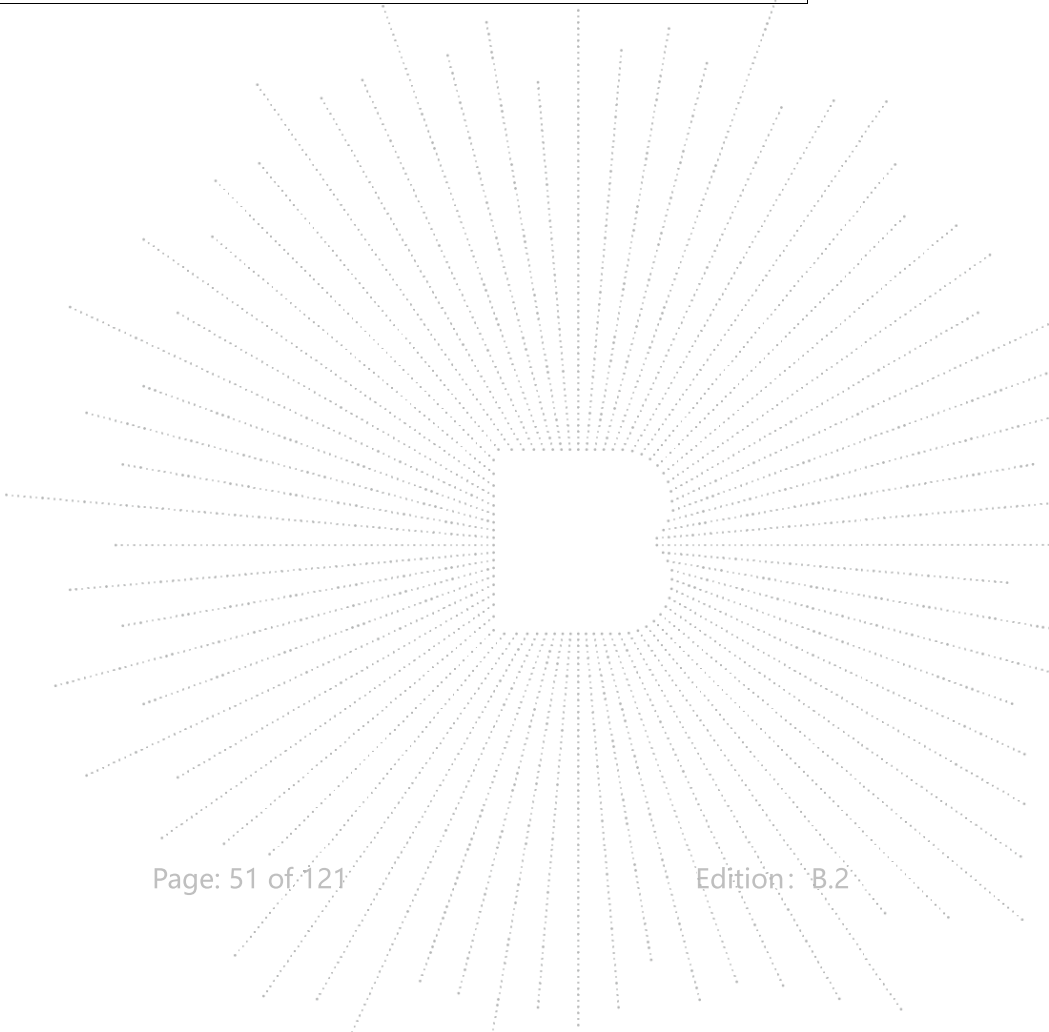
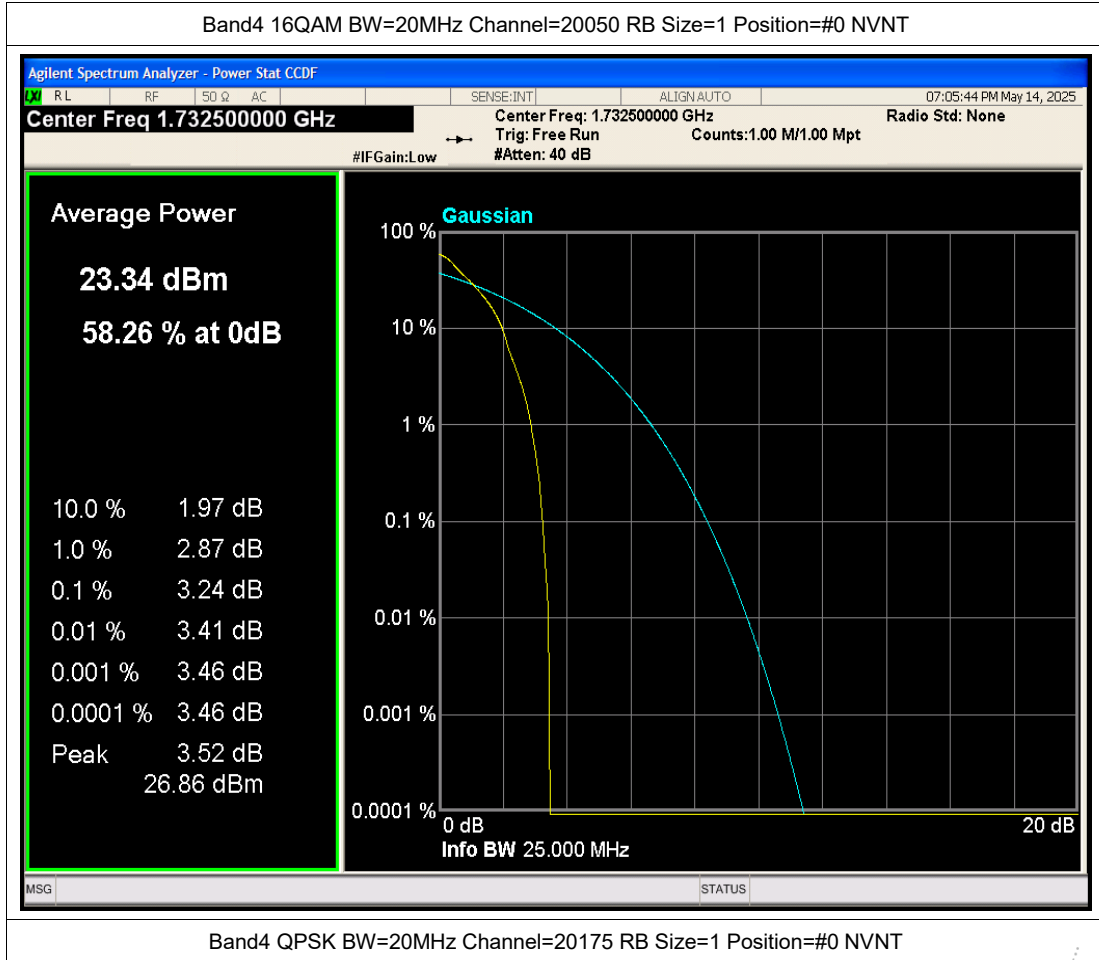


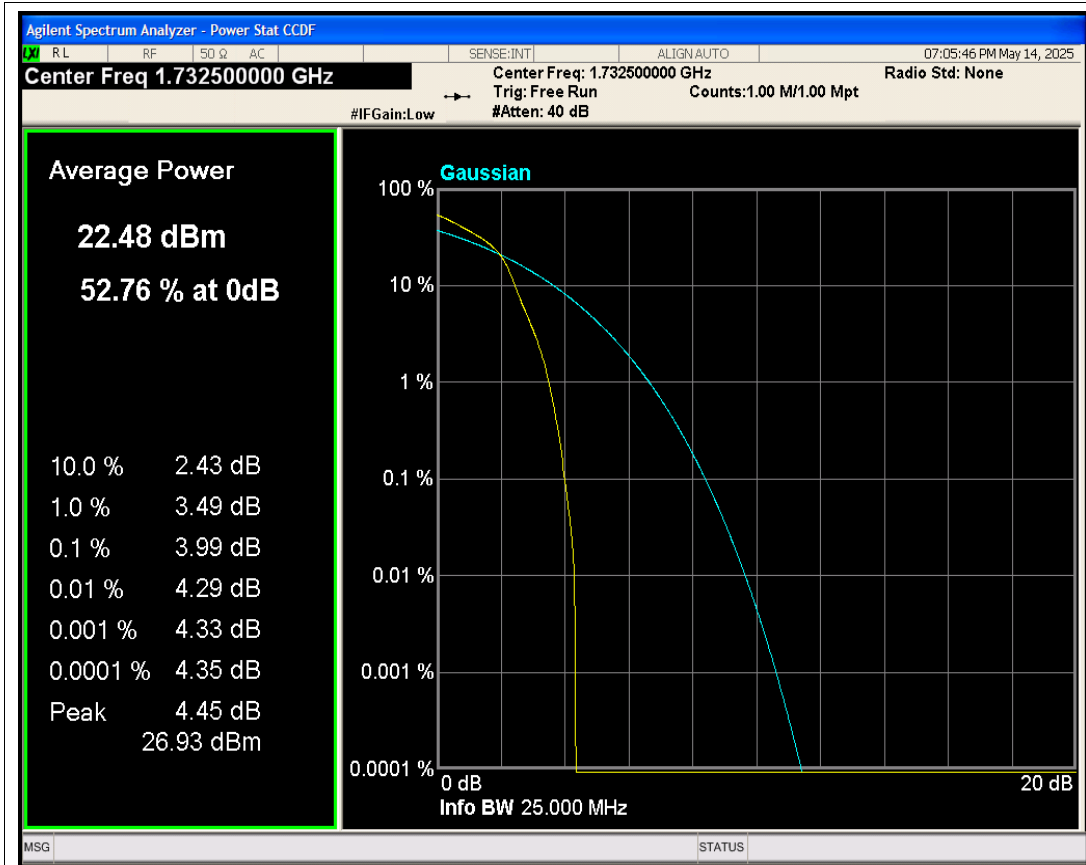




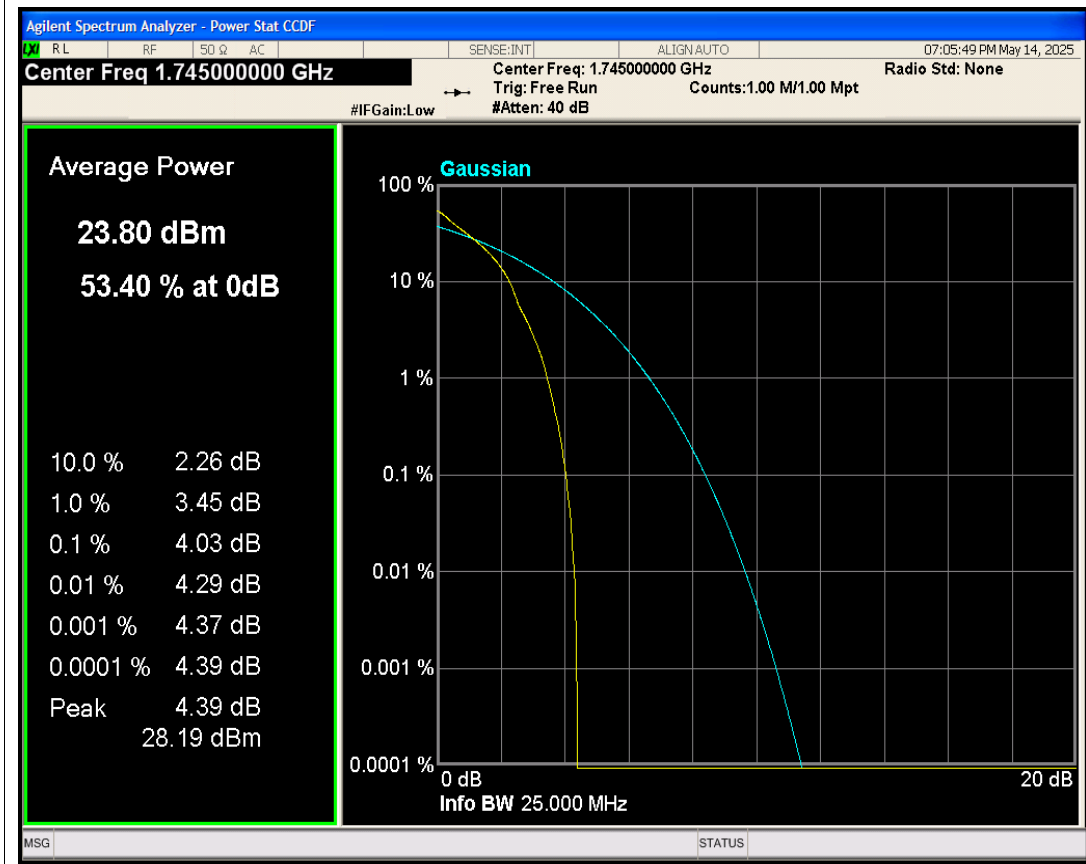
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

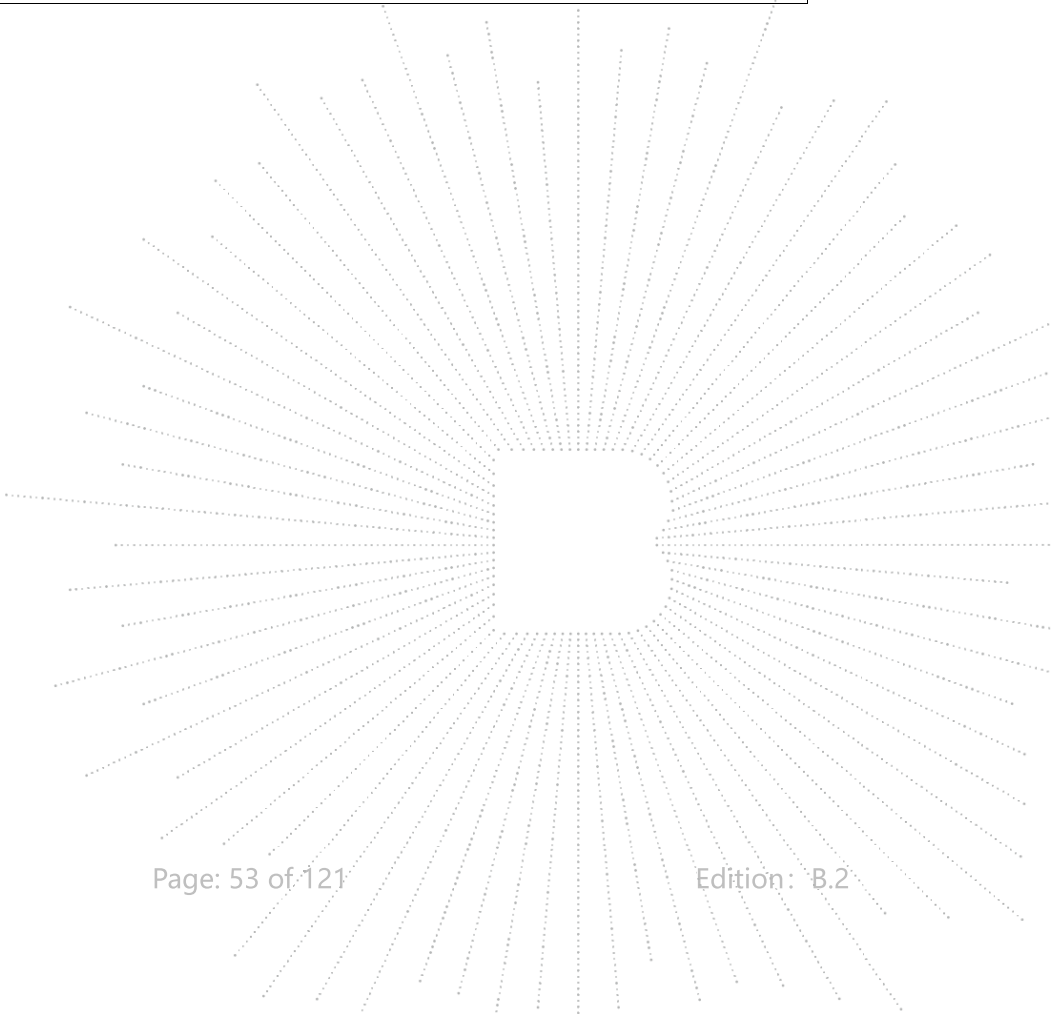
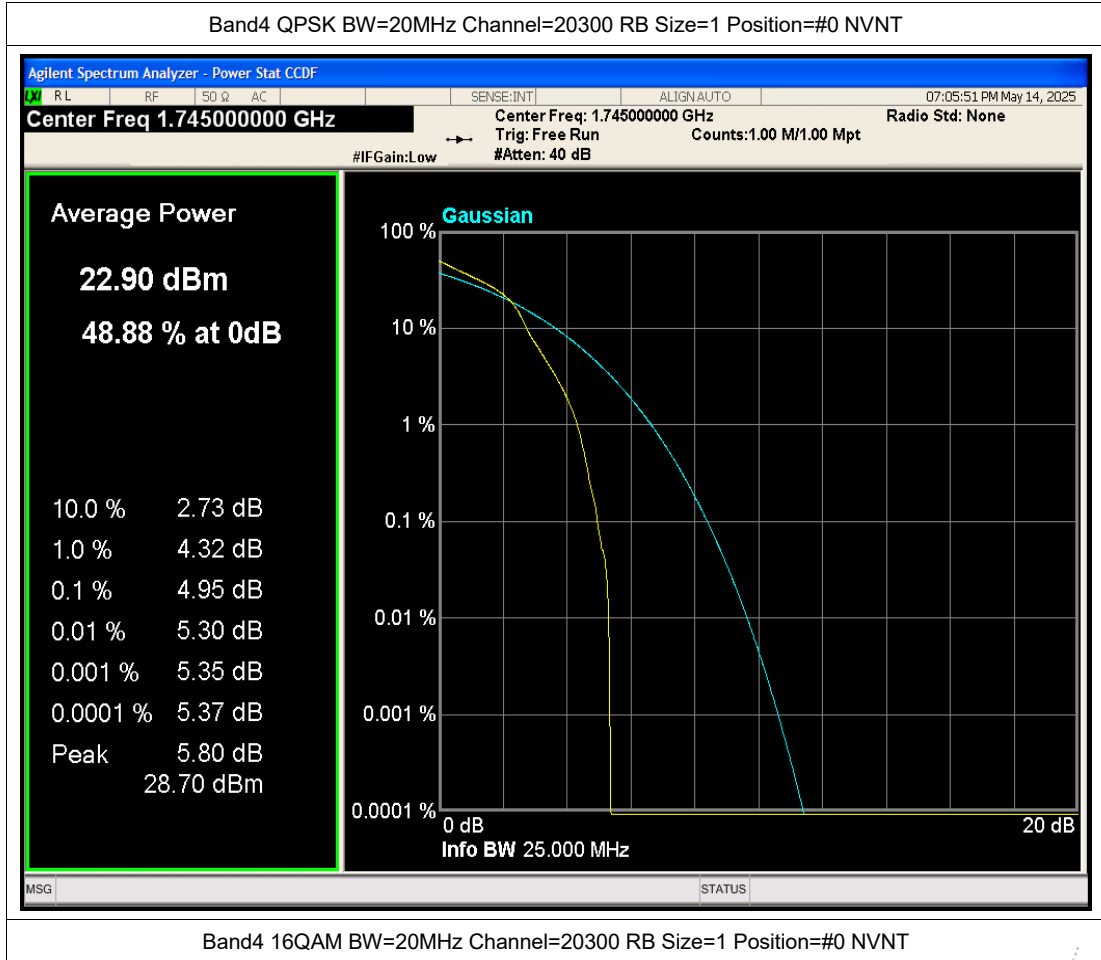






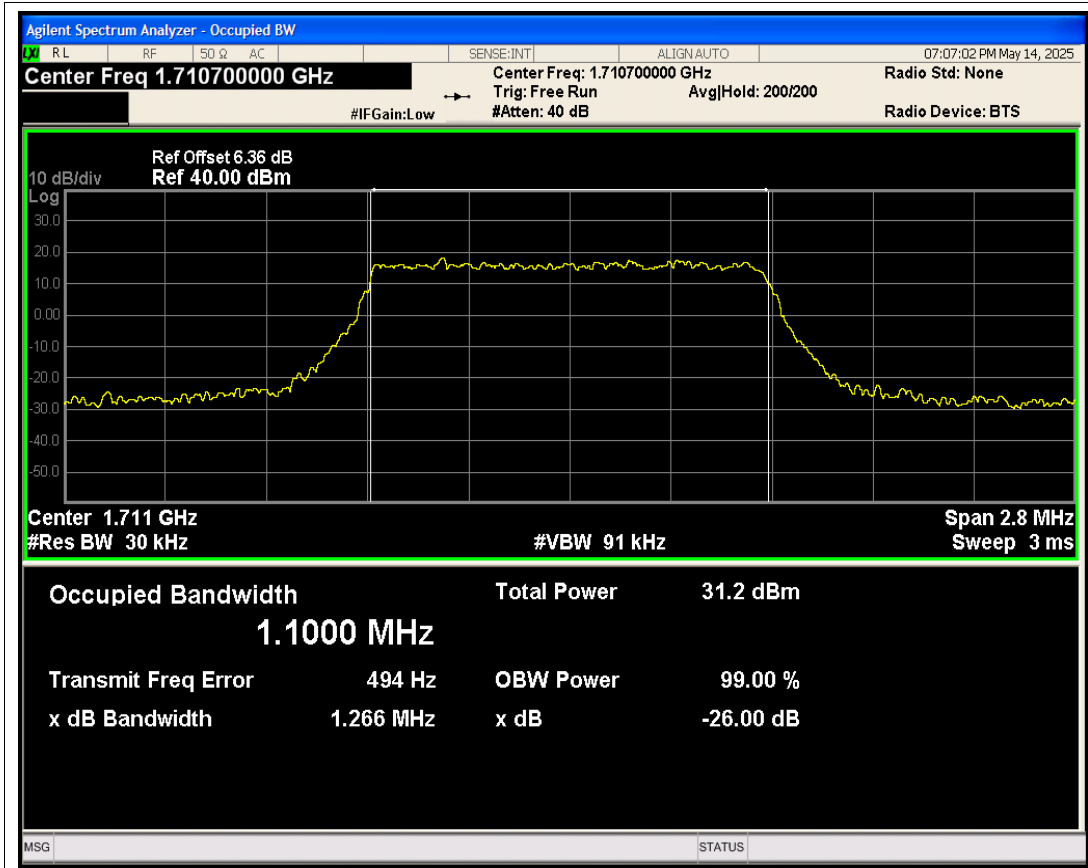
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



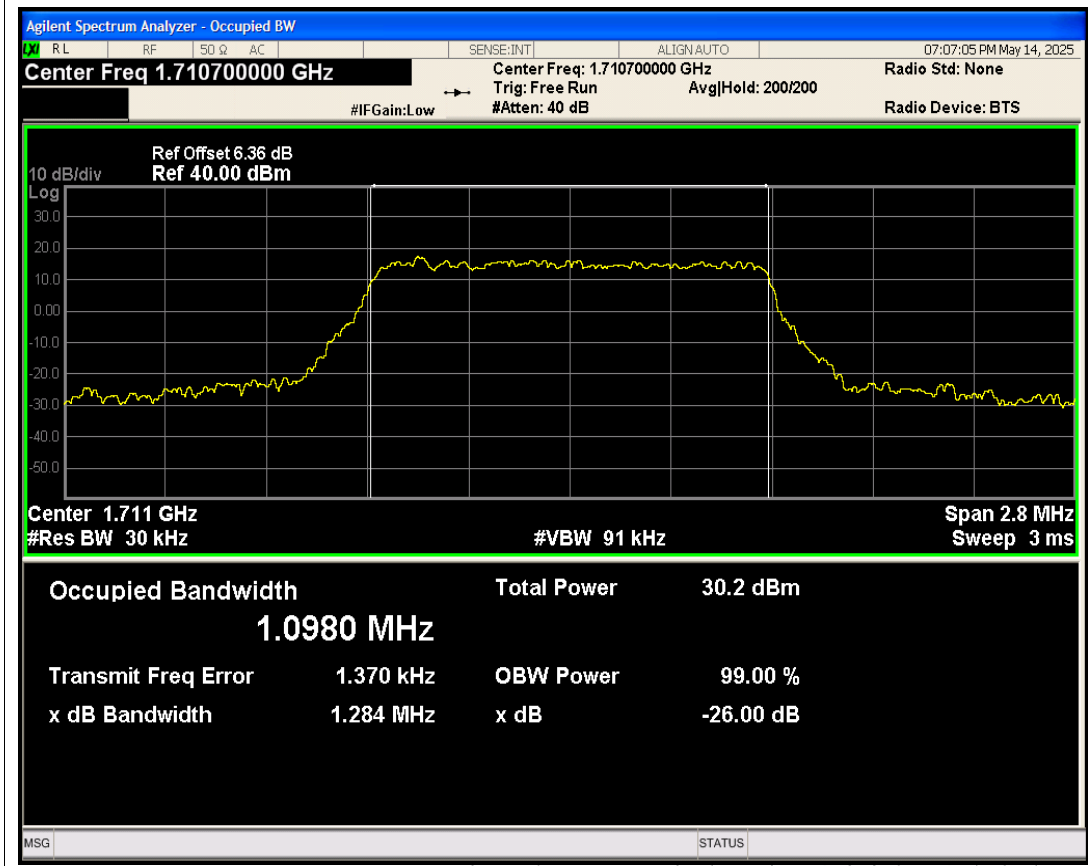


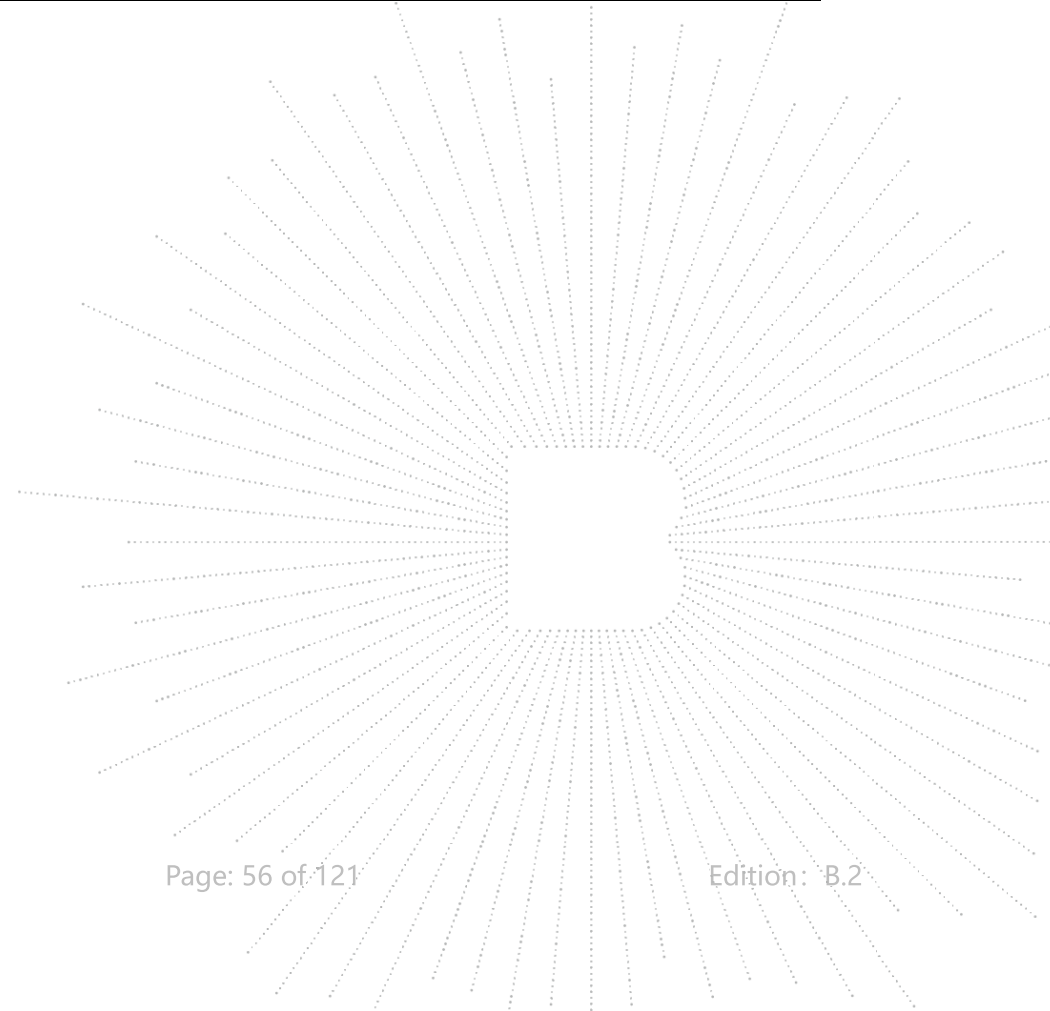
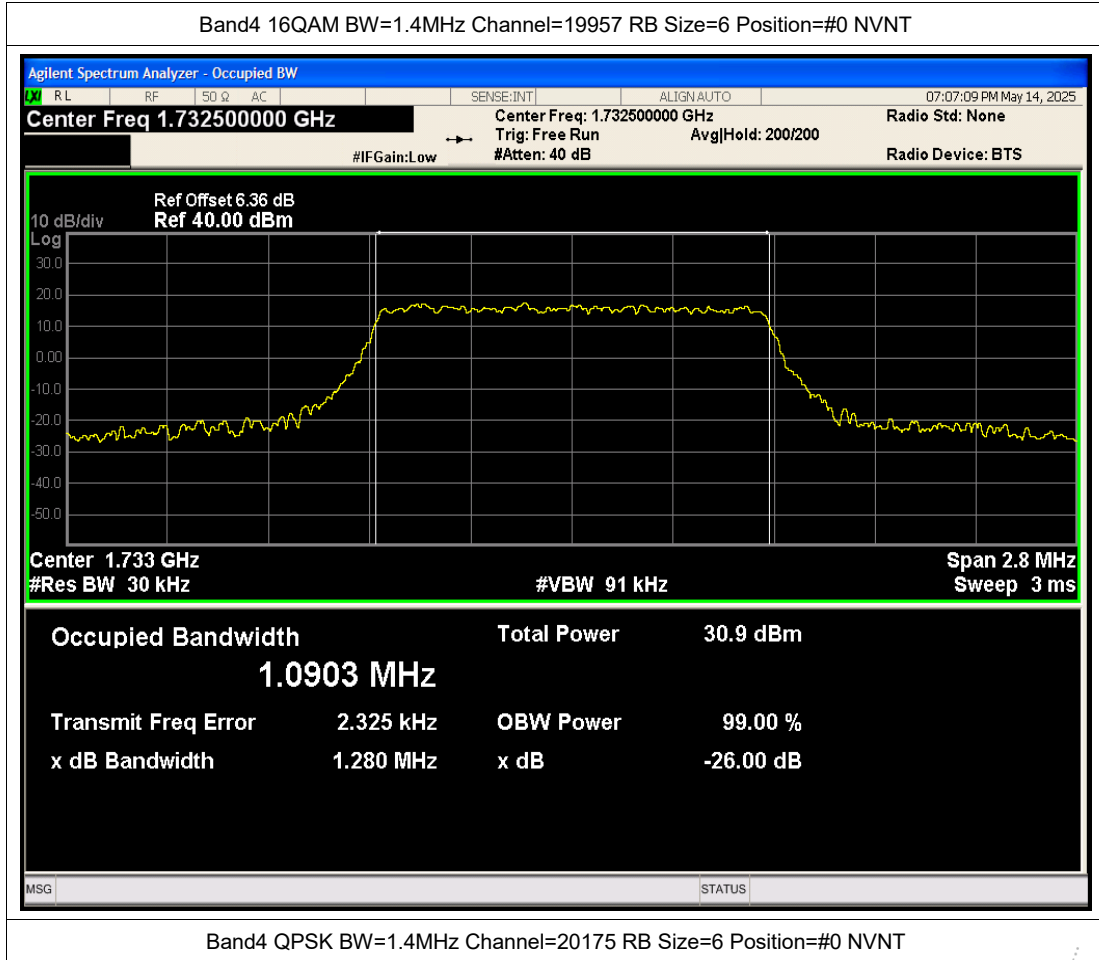
Appendix 4.Occupied bandwidth

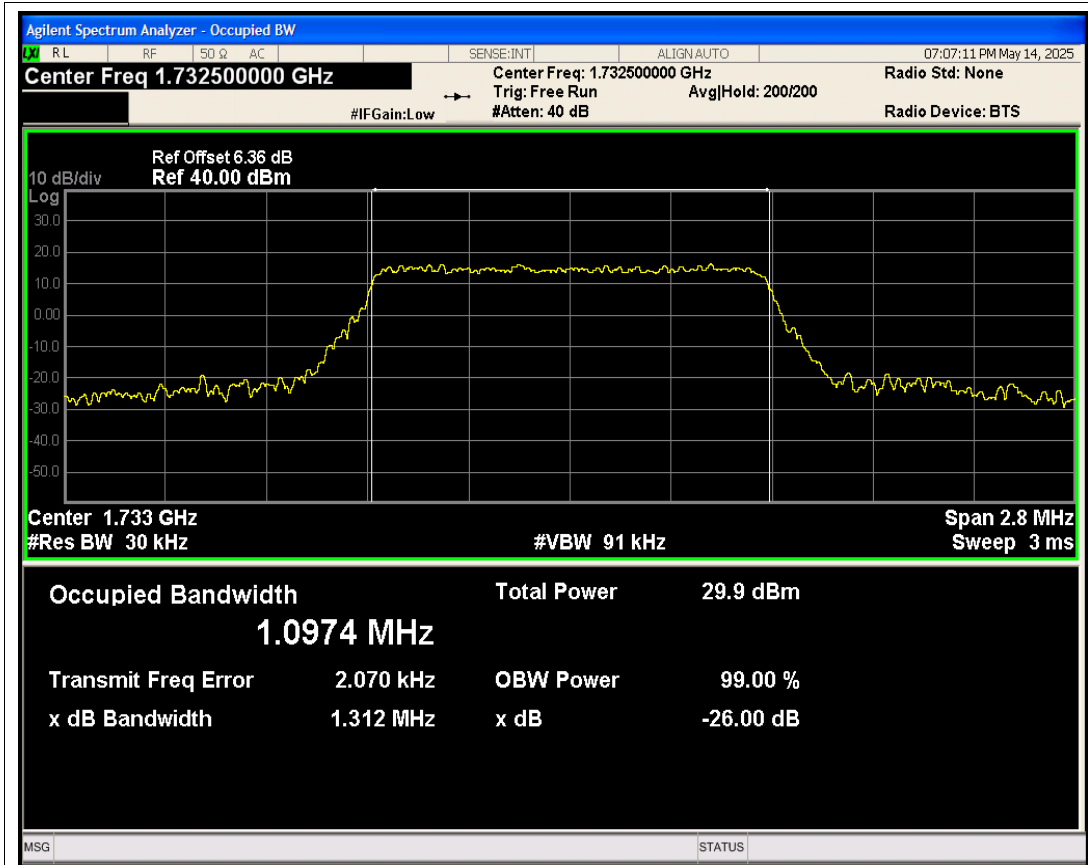
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.100	1.266	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.098	1.284	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.090	1.280	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.097	1.312	PASS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



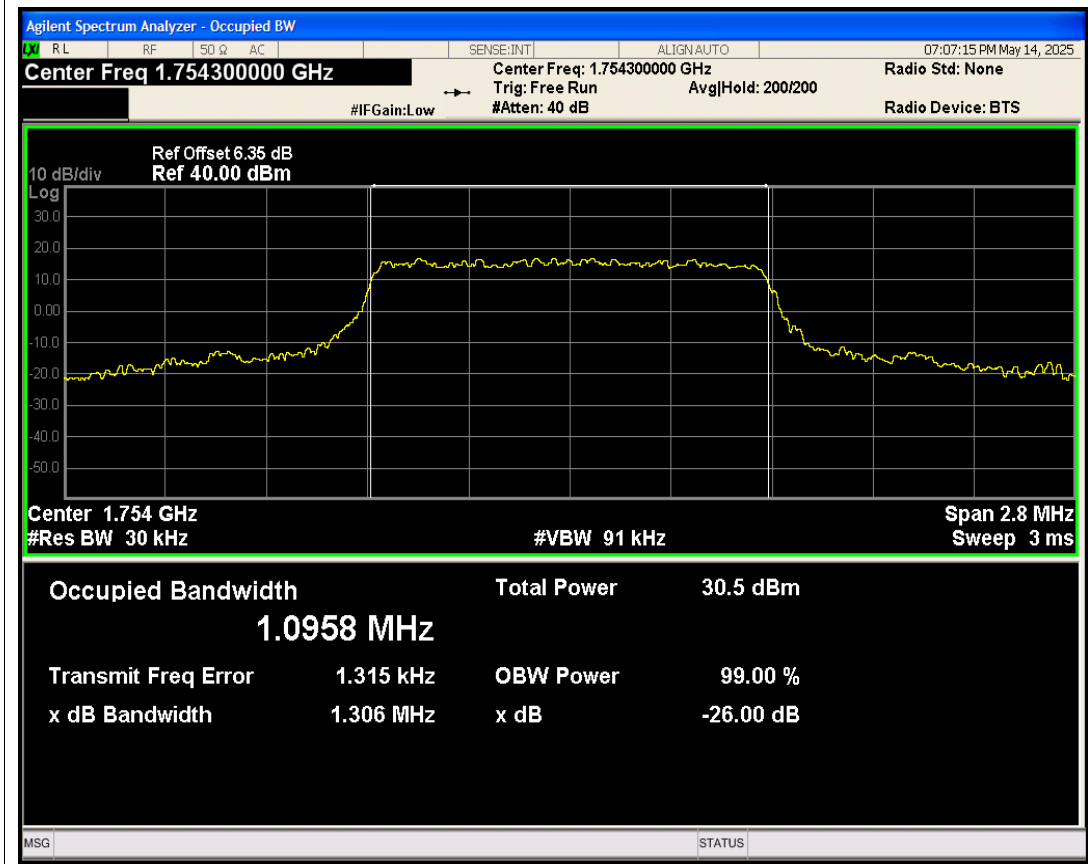
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

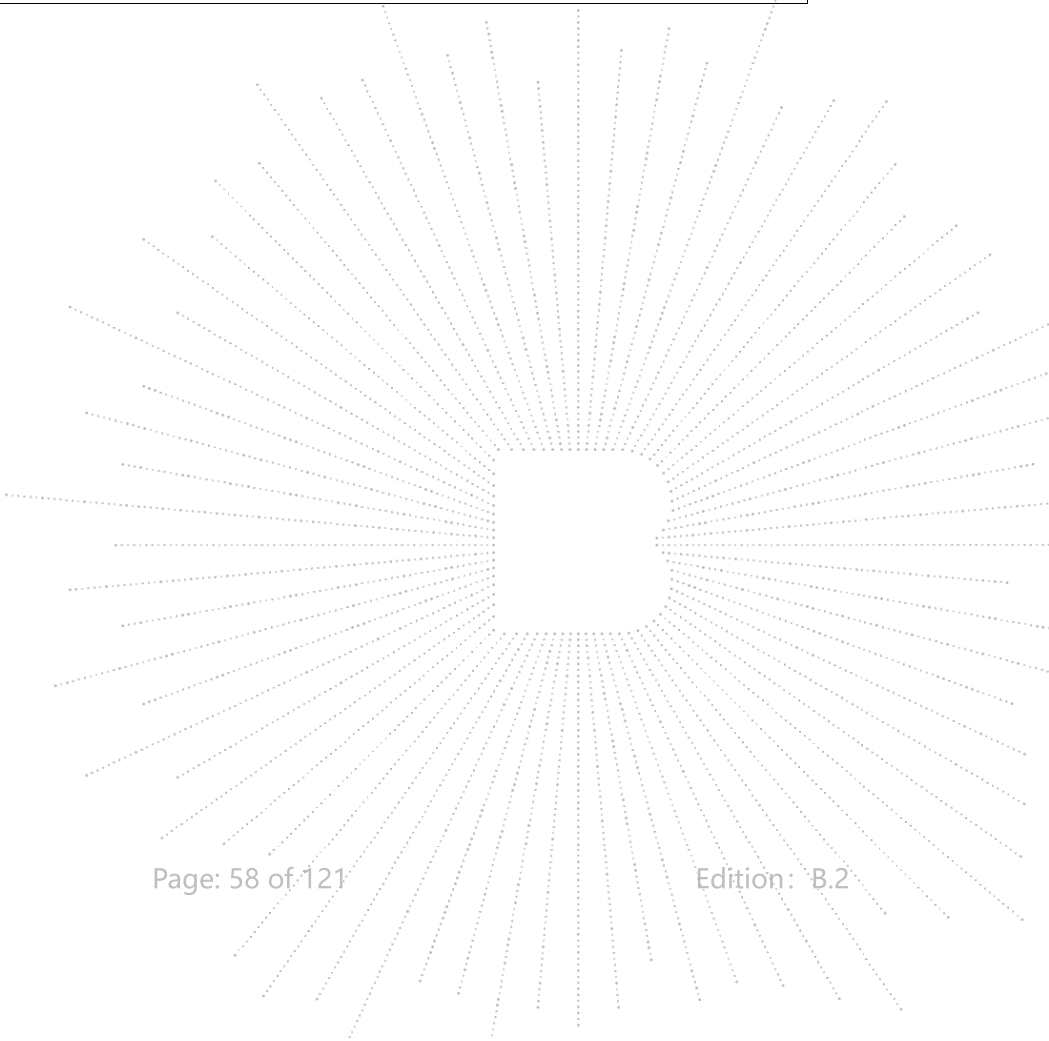
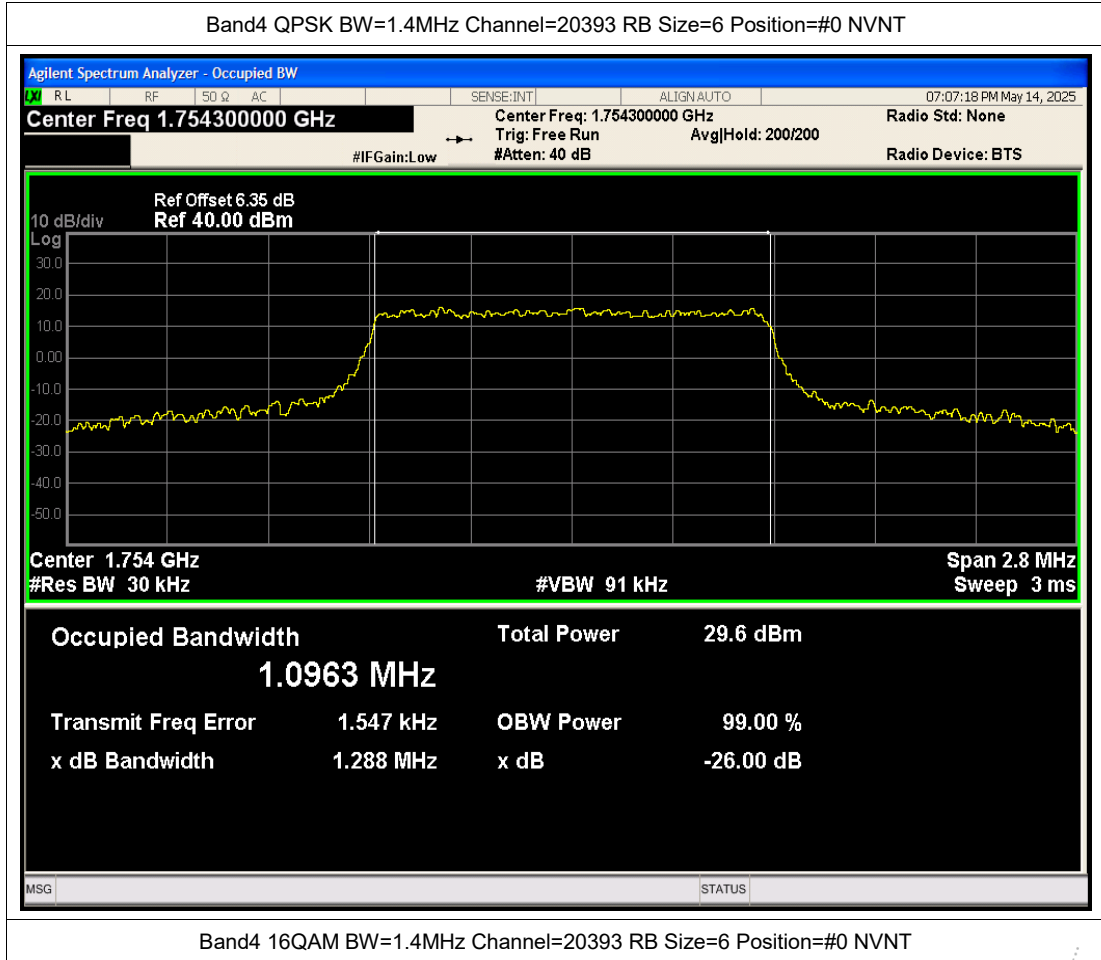


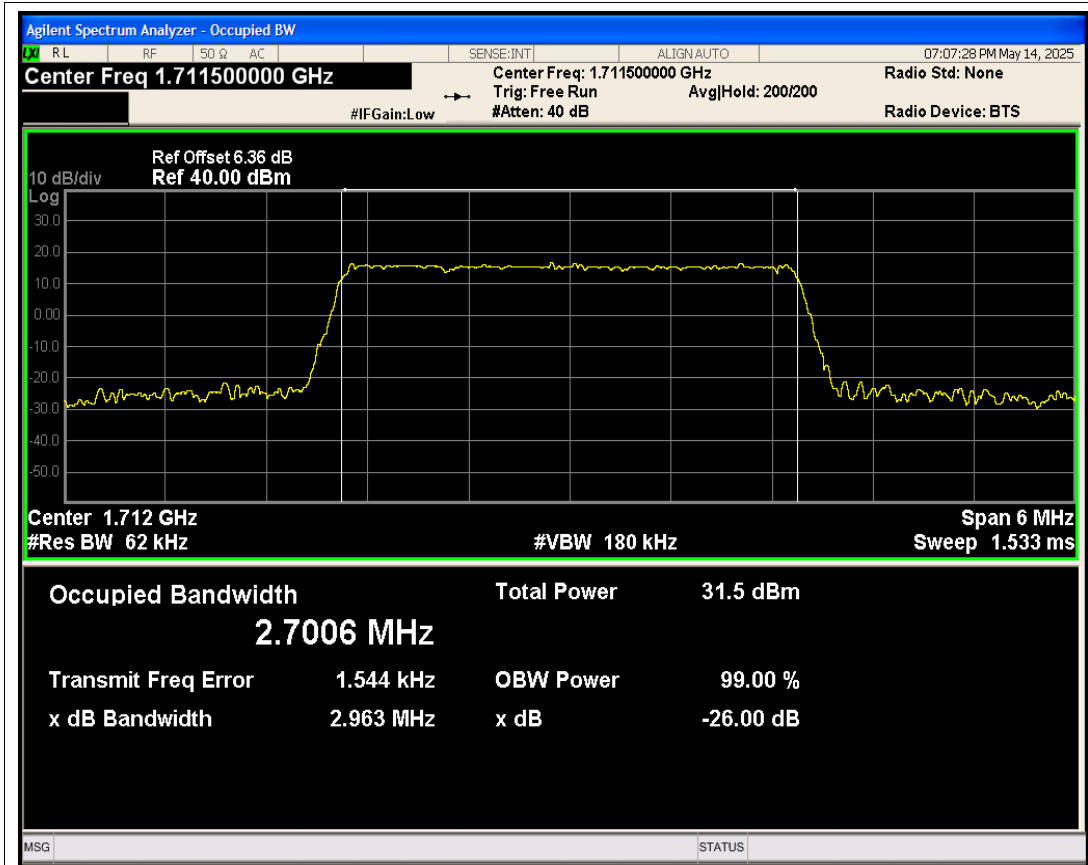




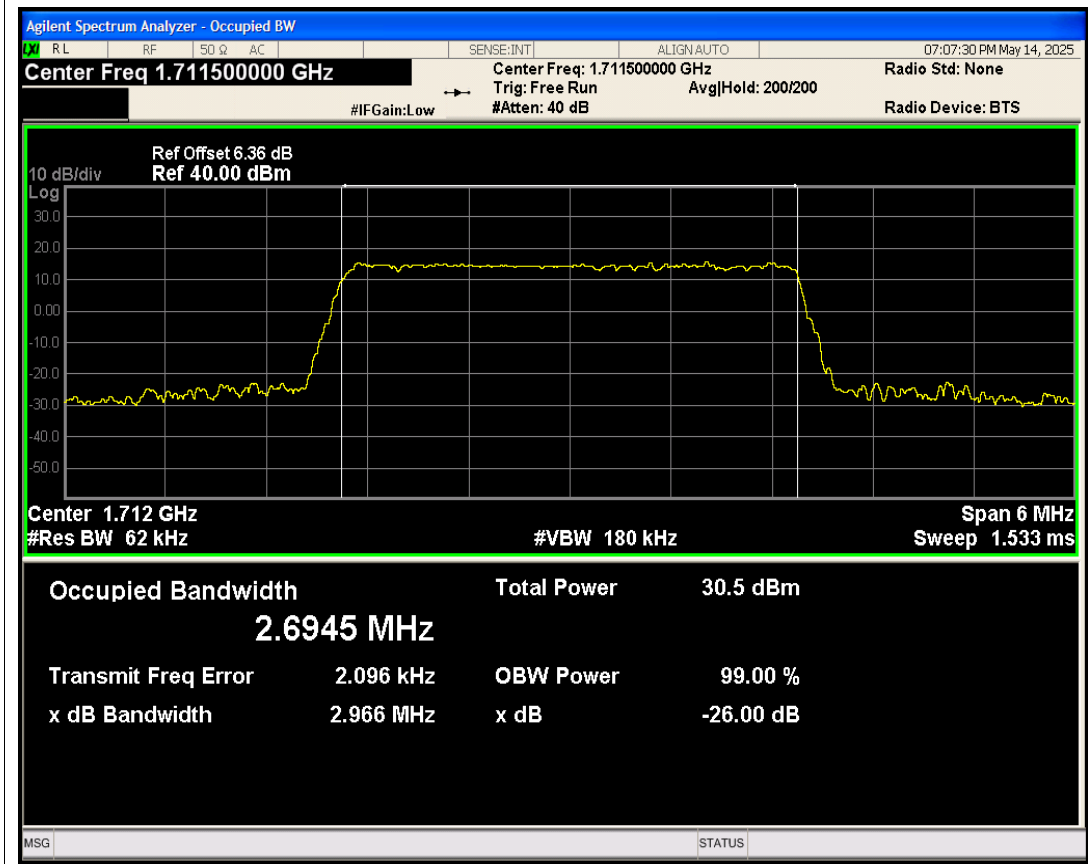
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

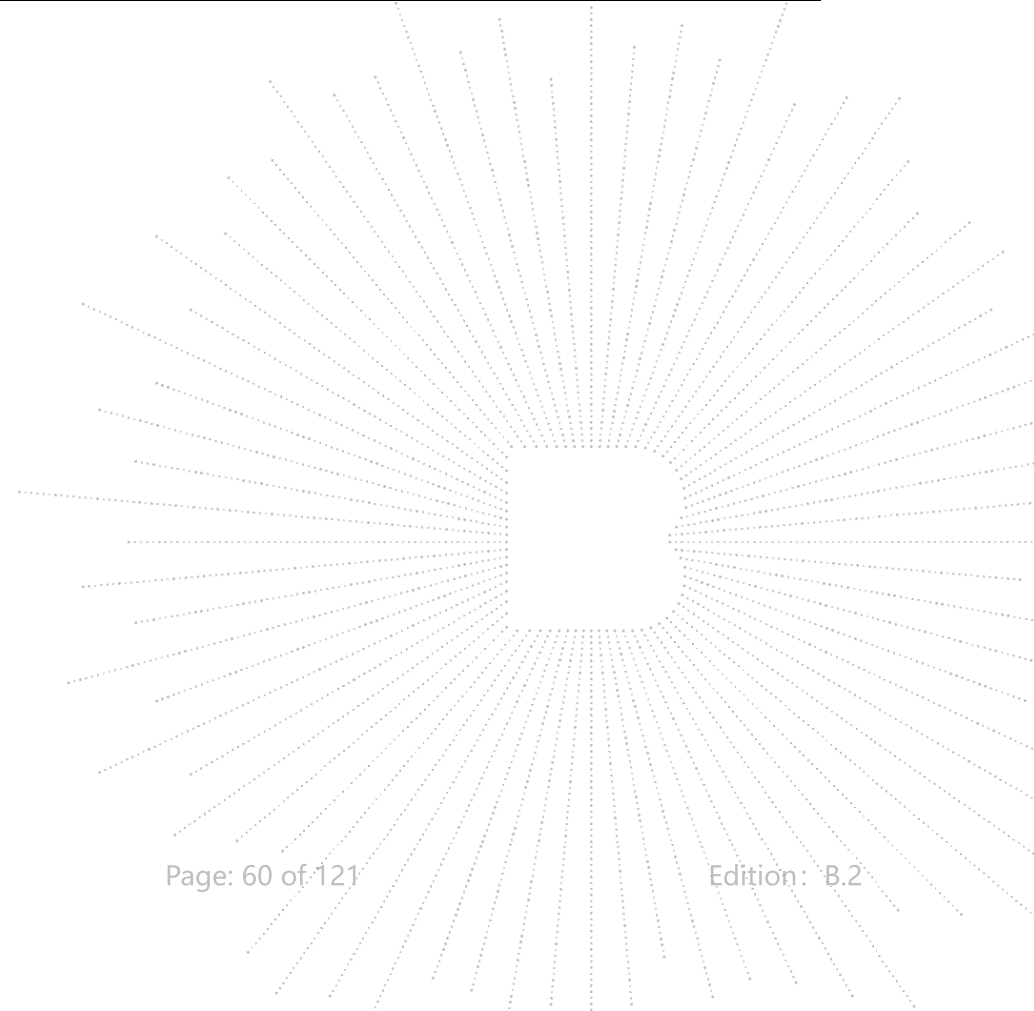
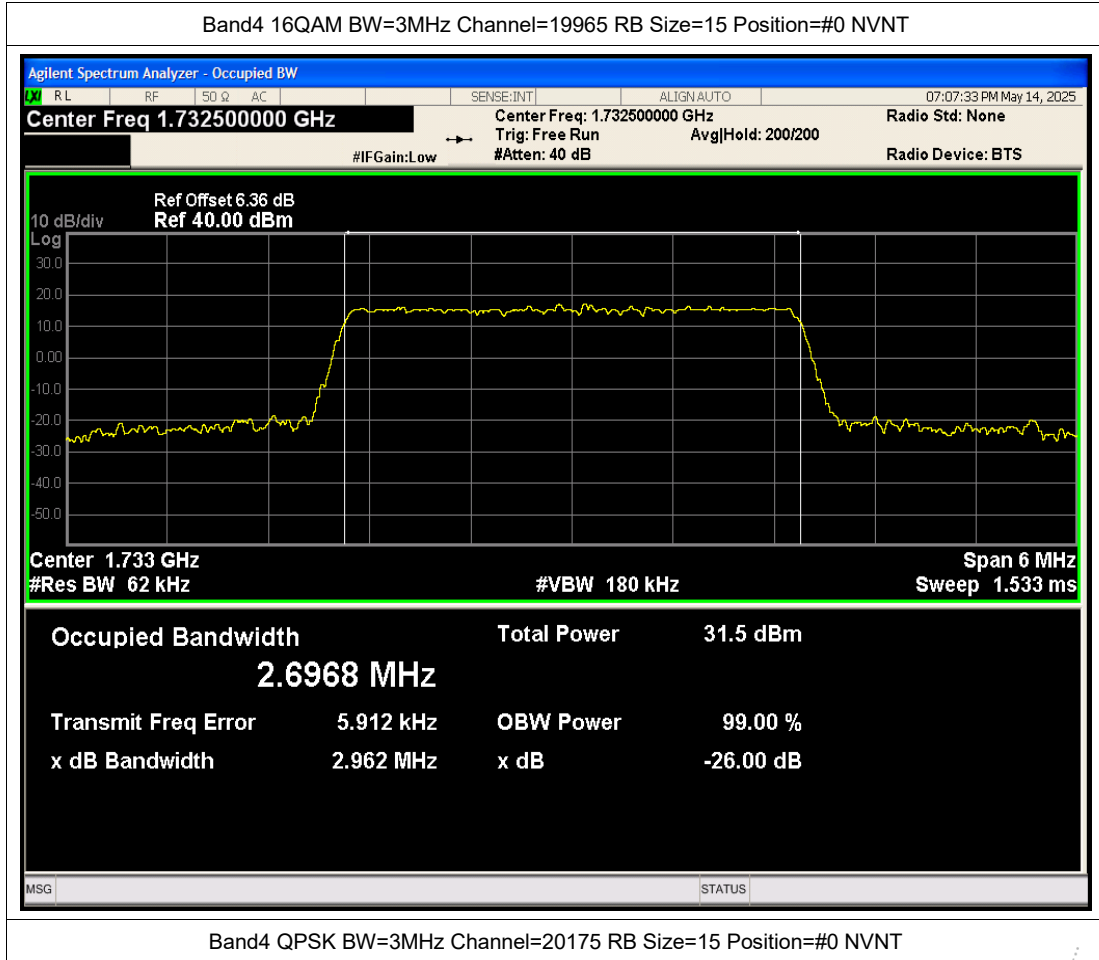


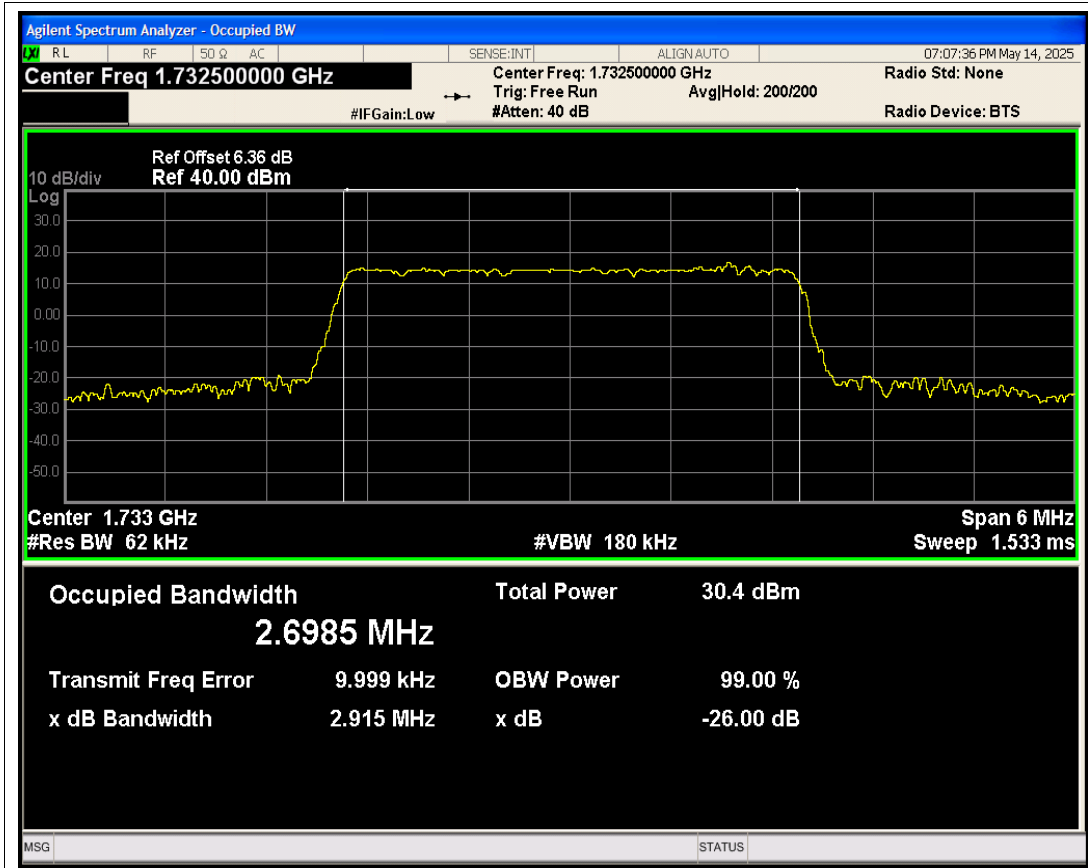




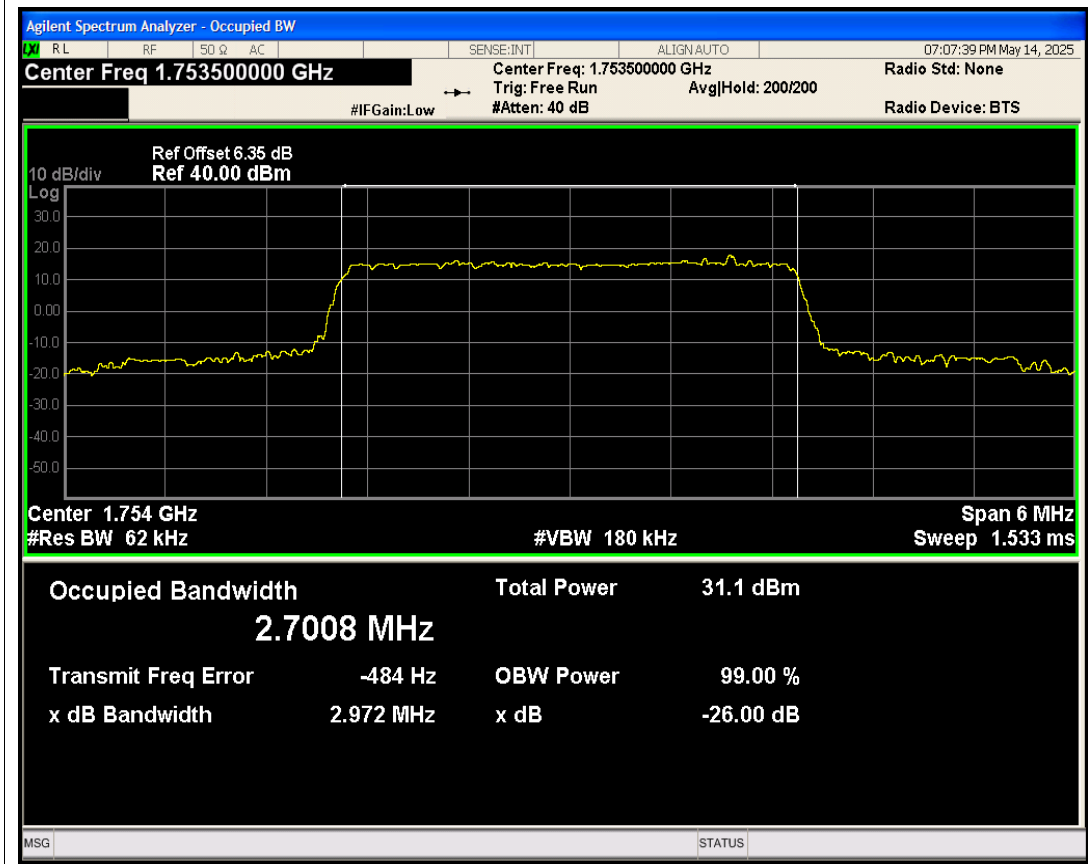
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

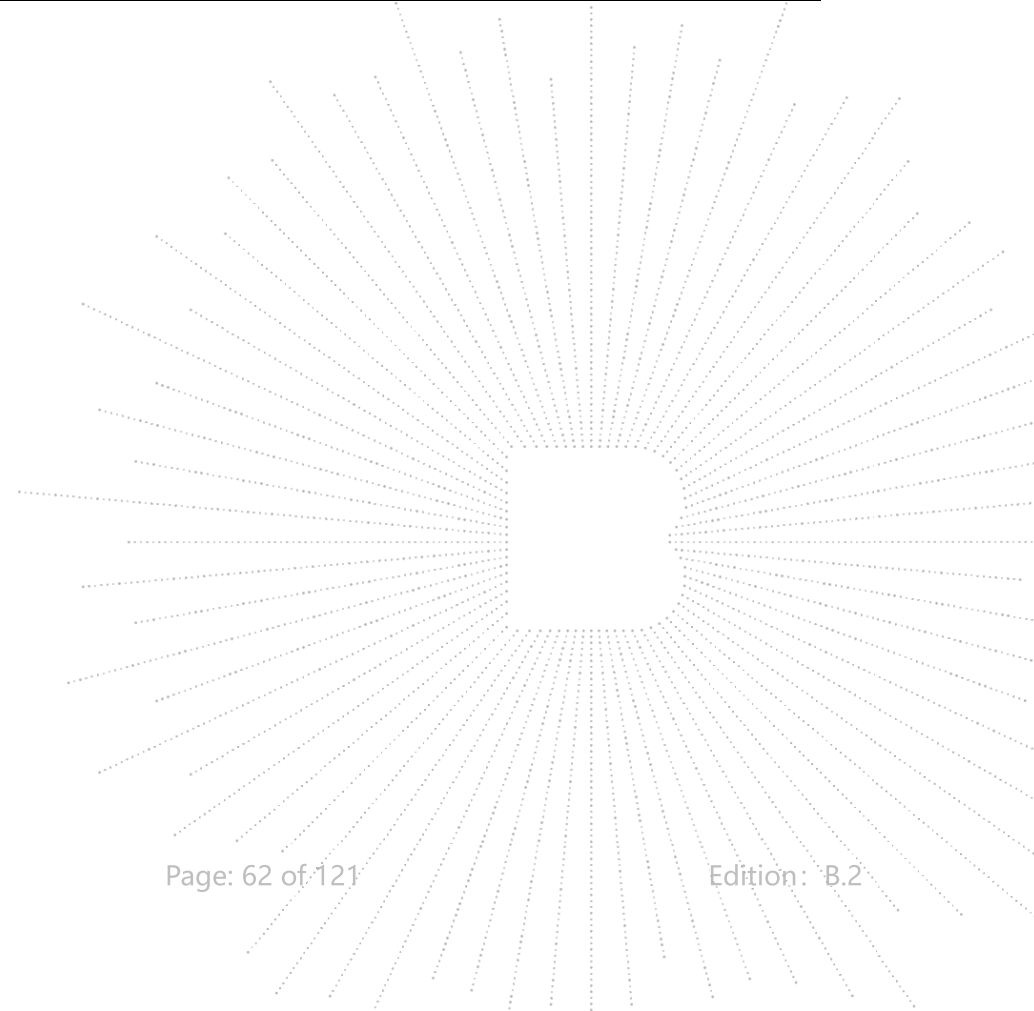
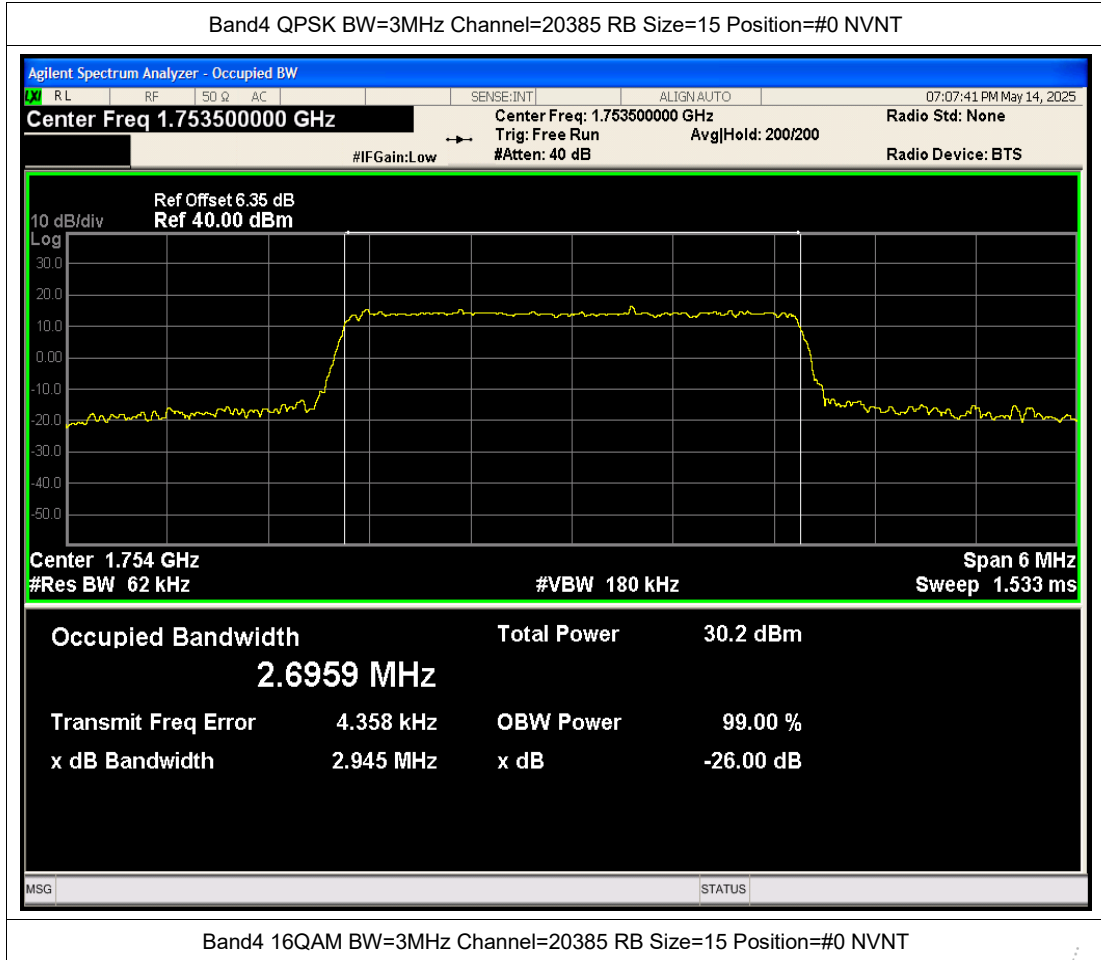


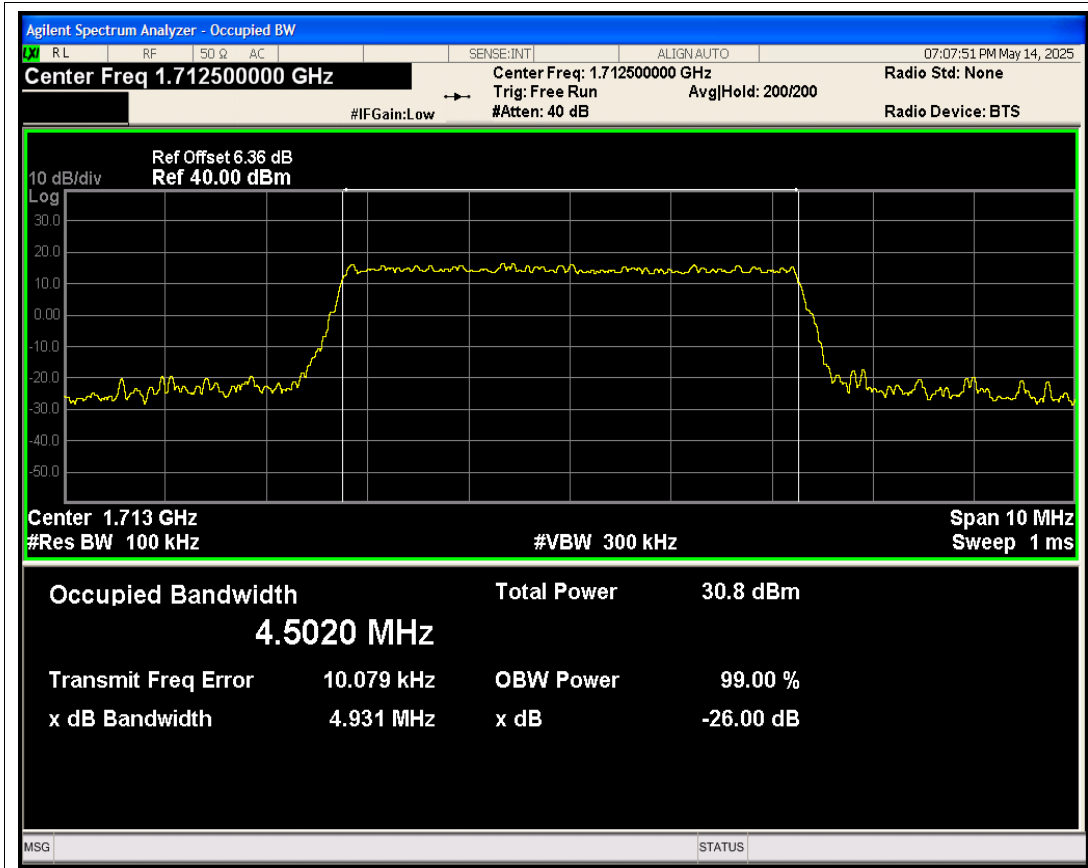




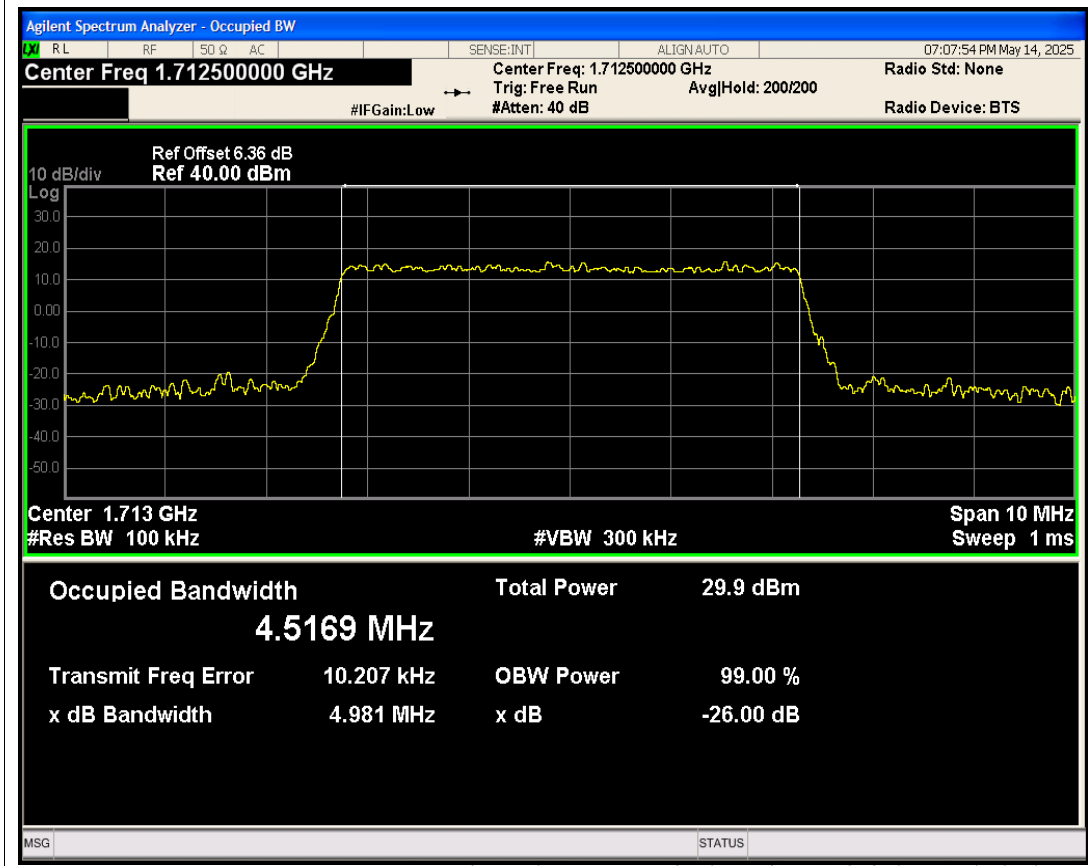
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

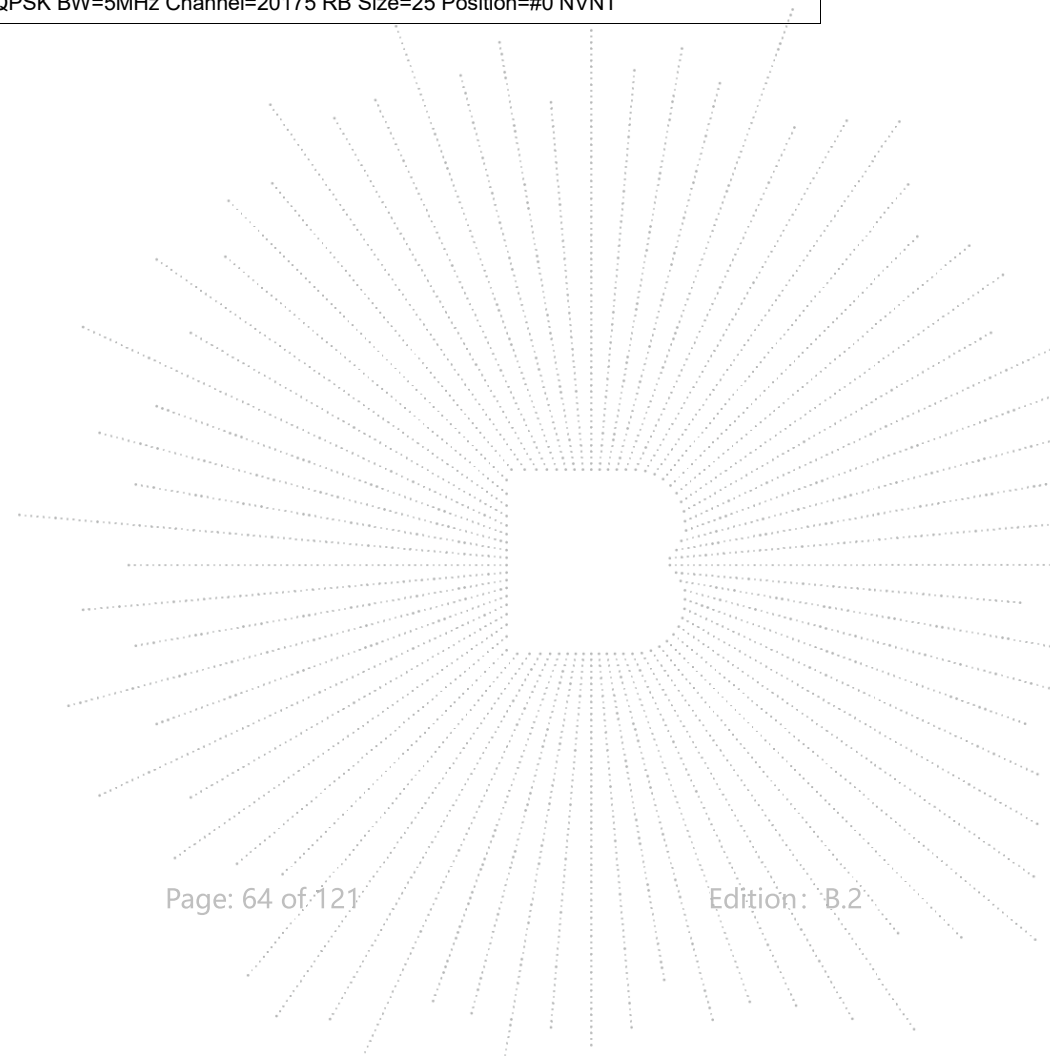
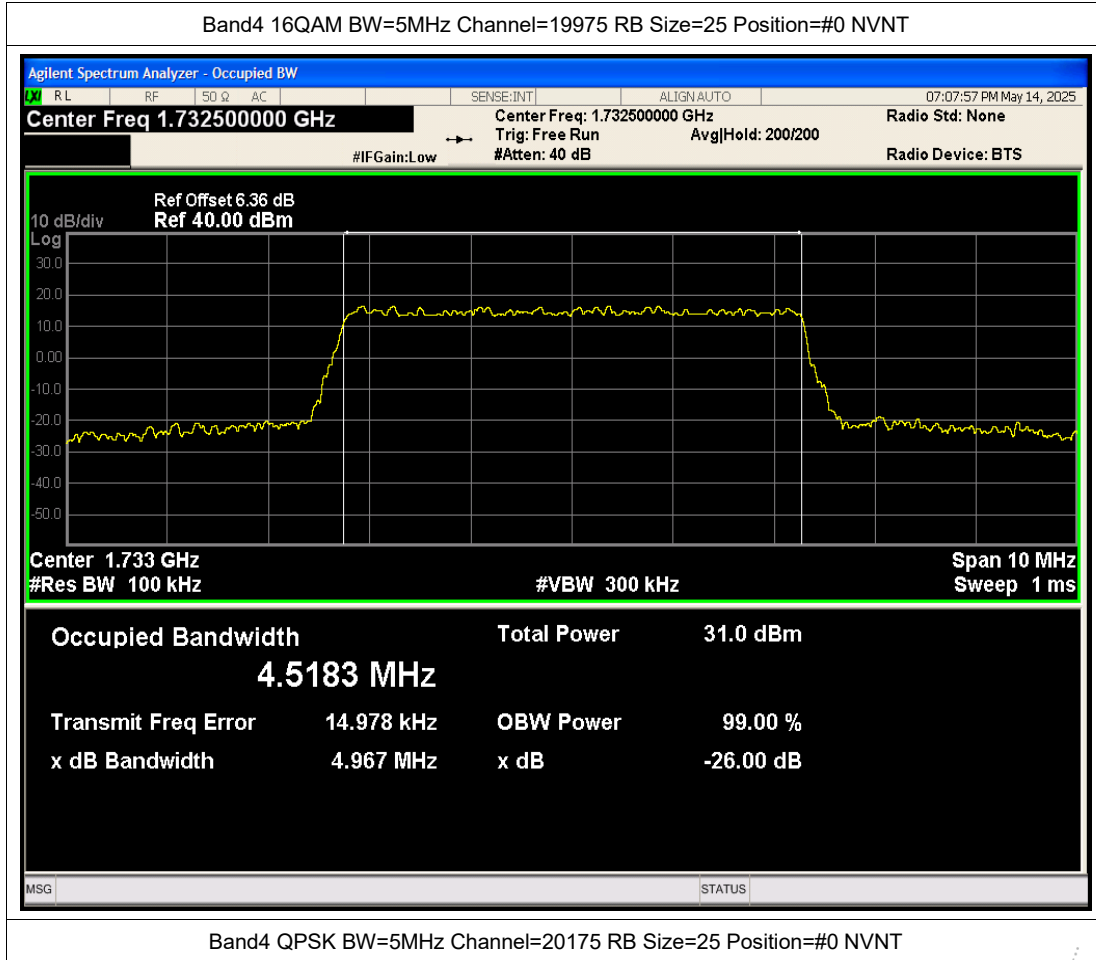


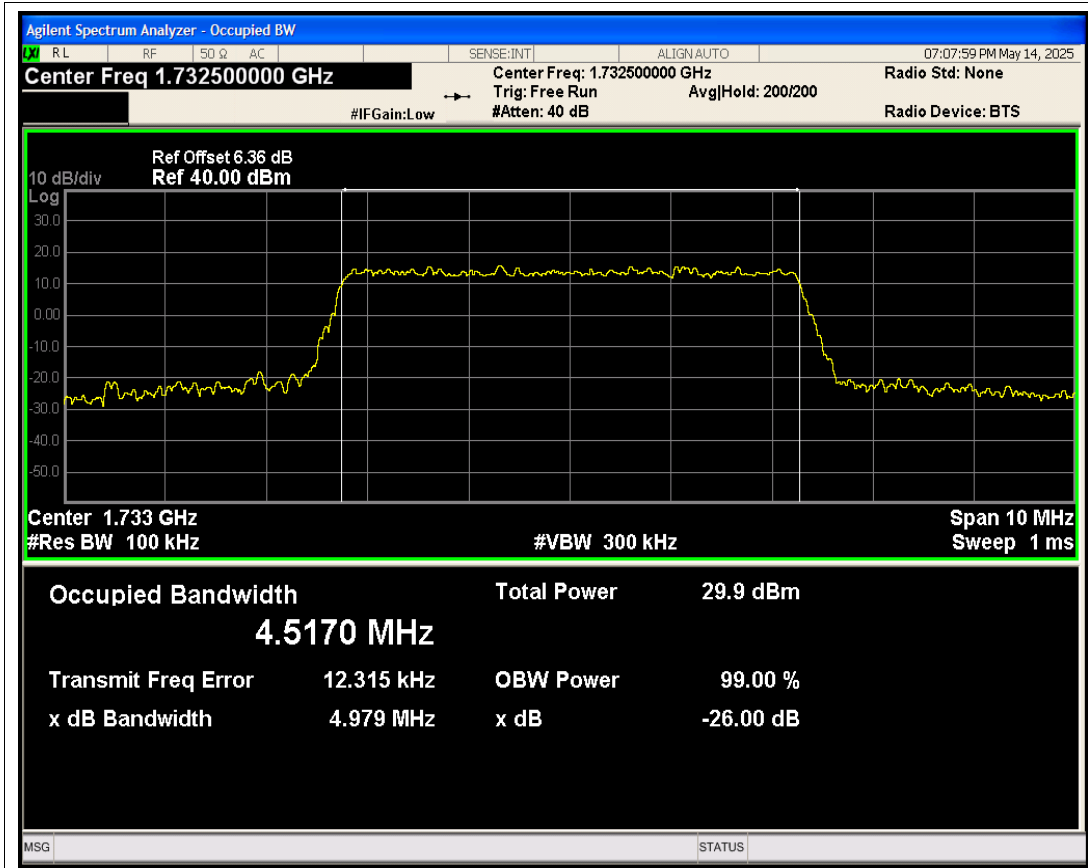




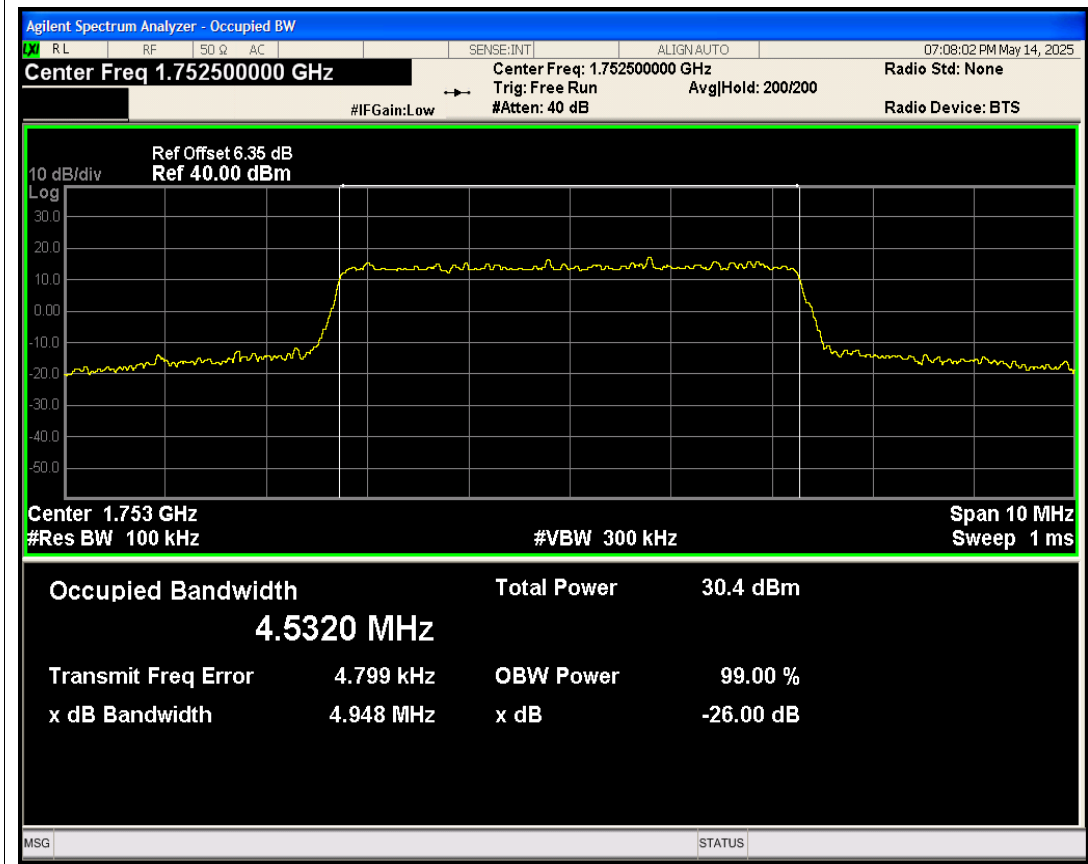
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

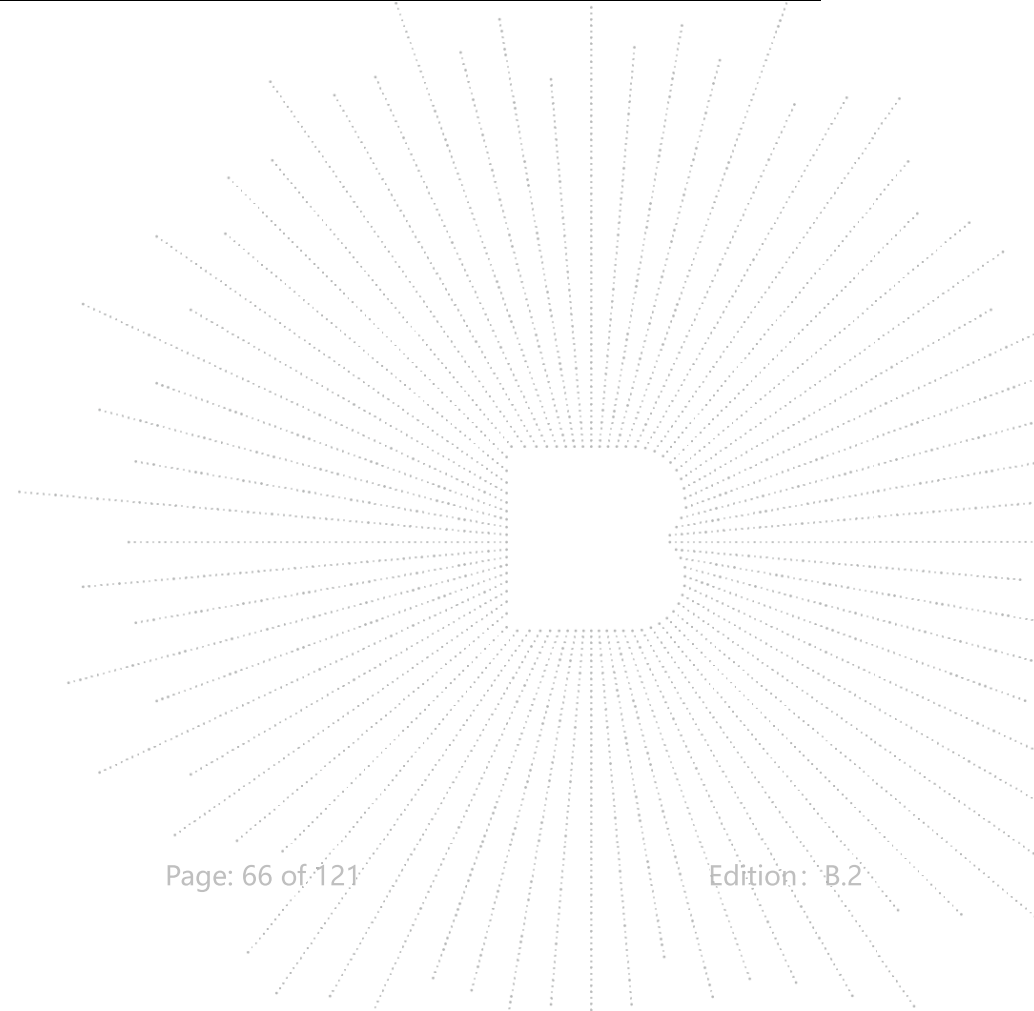
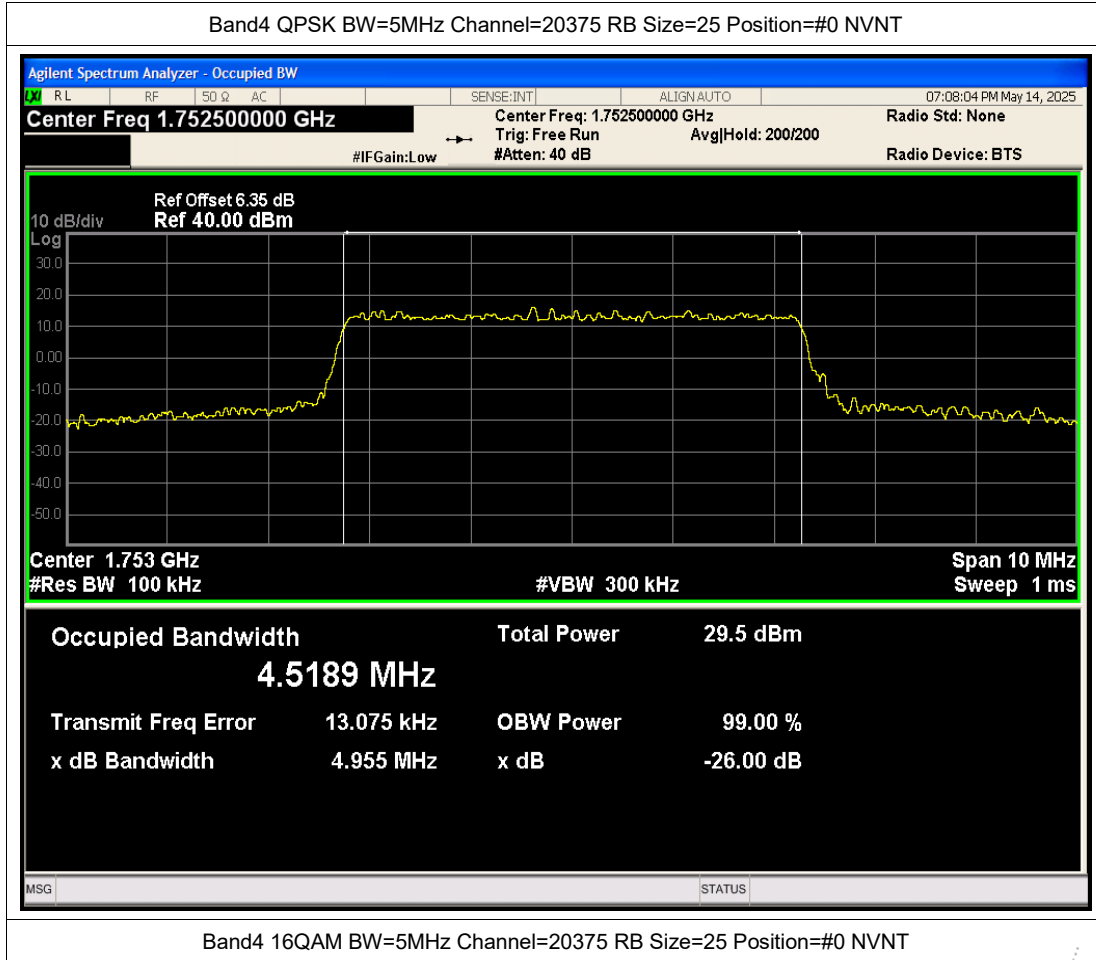


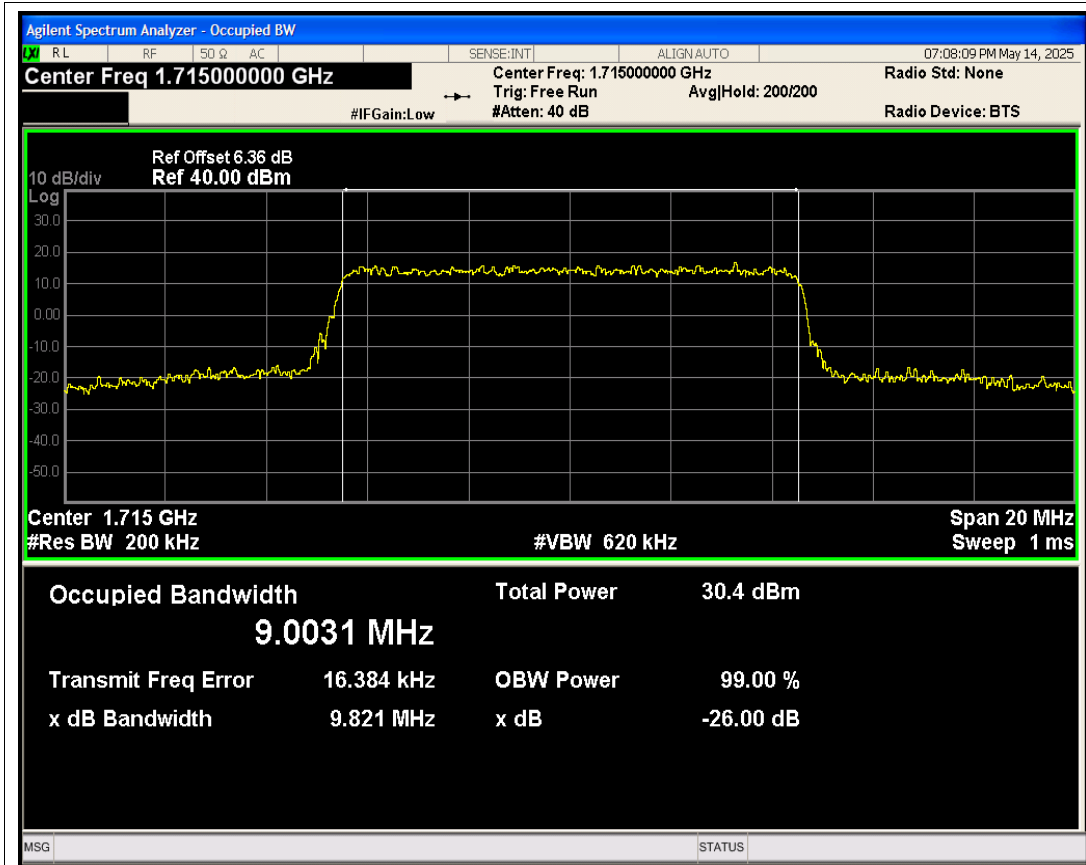




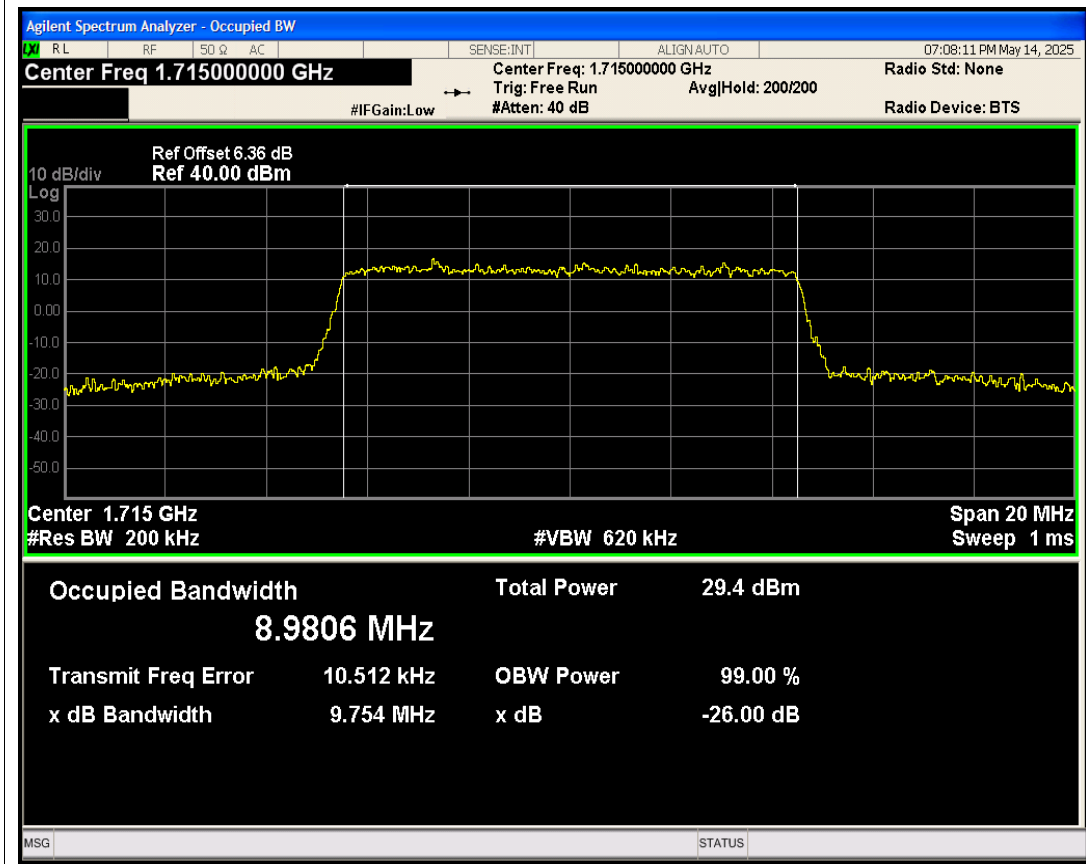
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

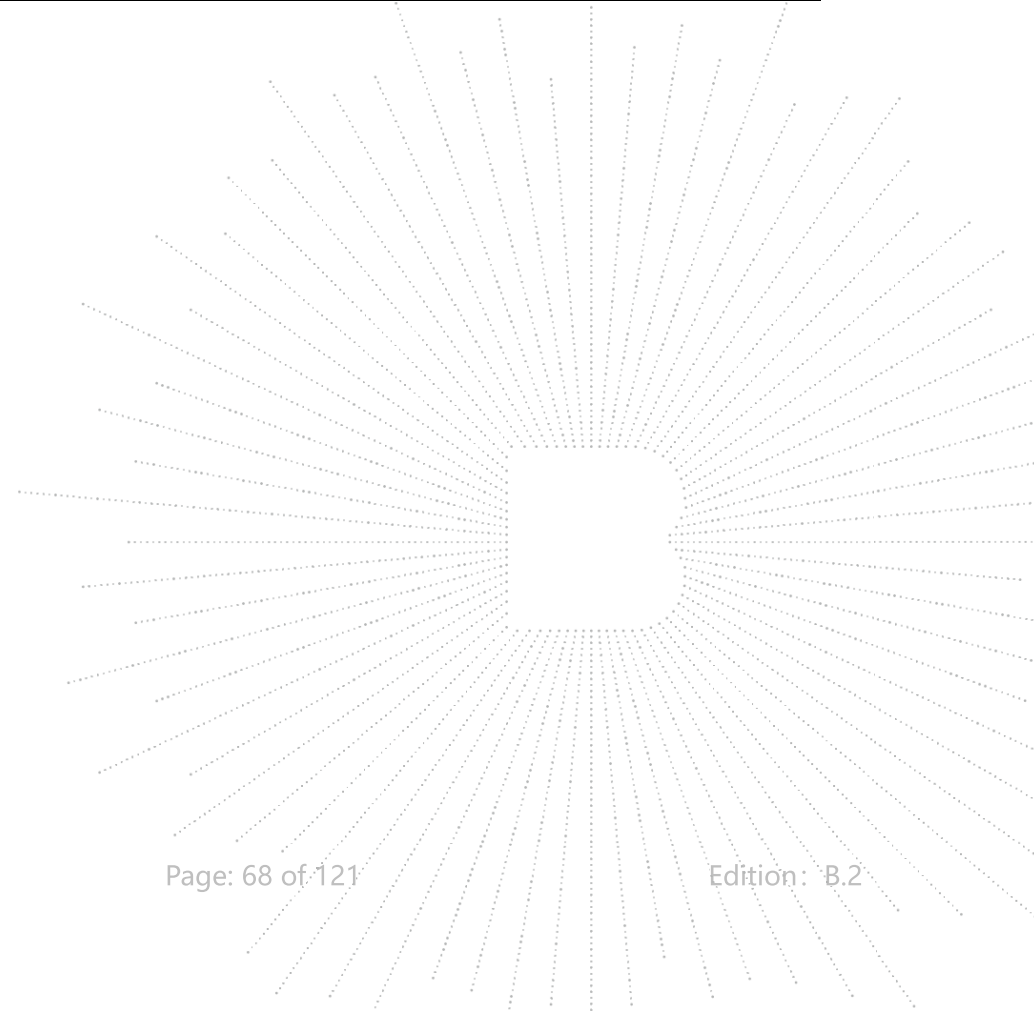
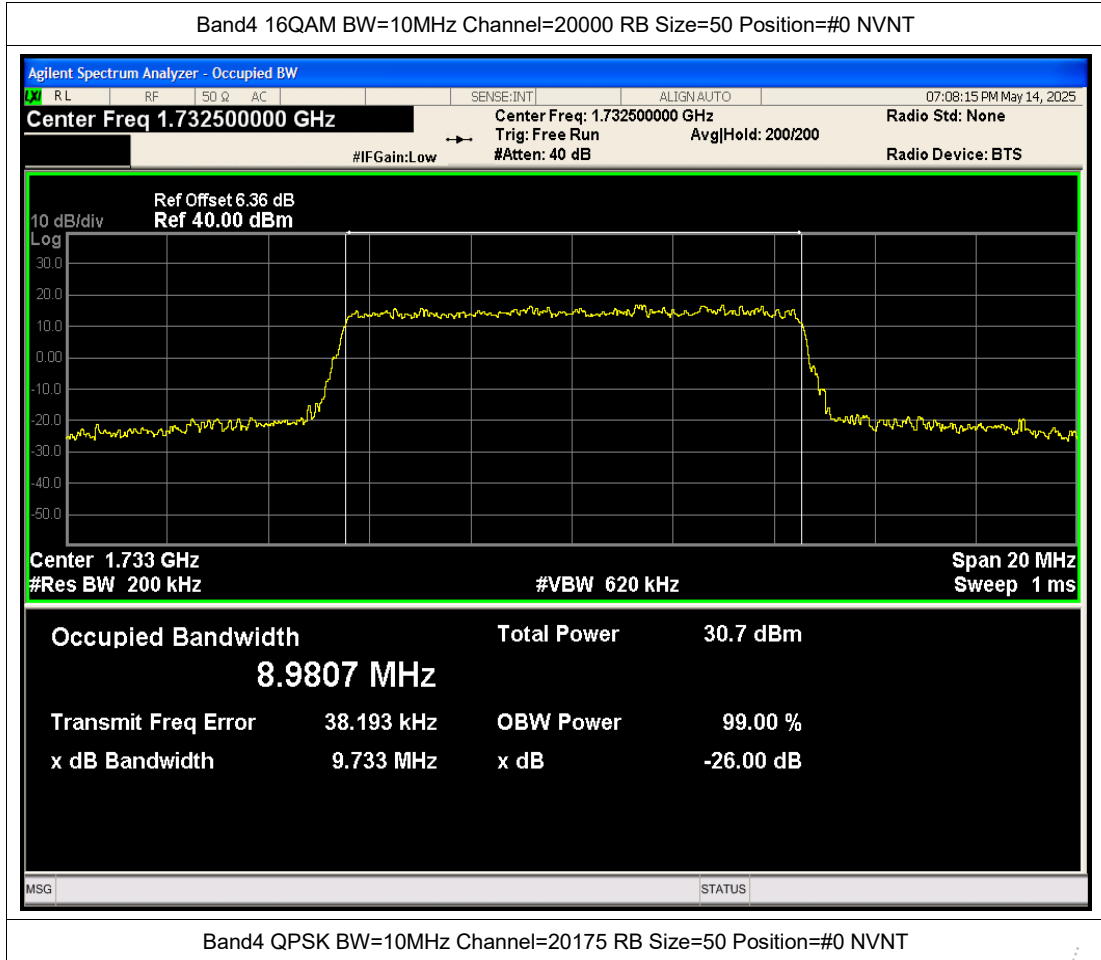


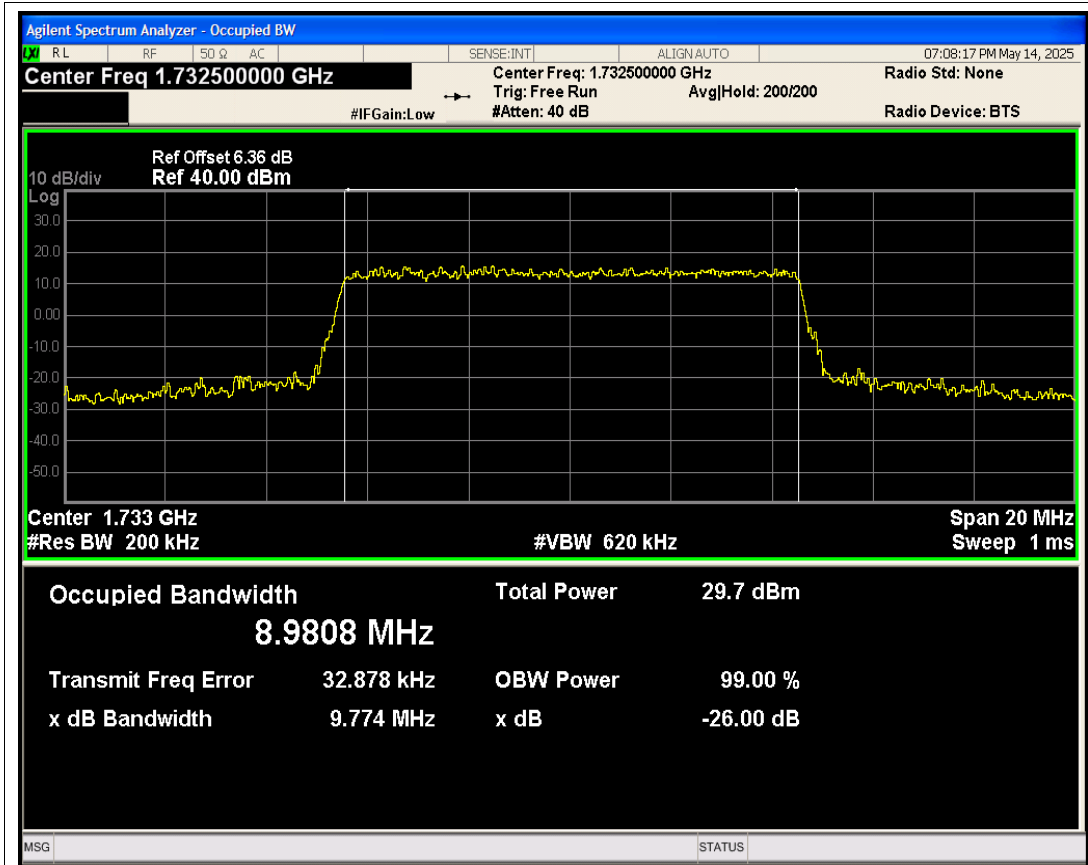




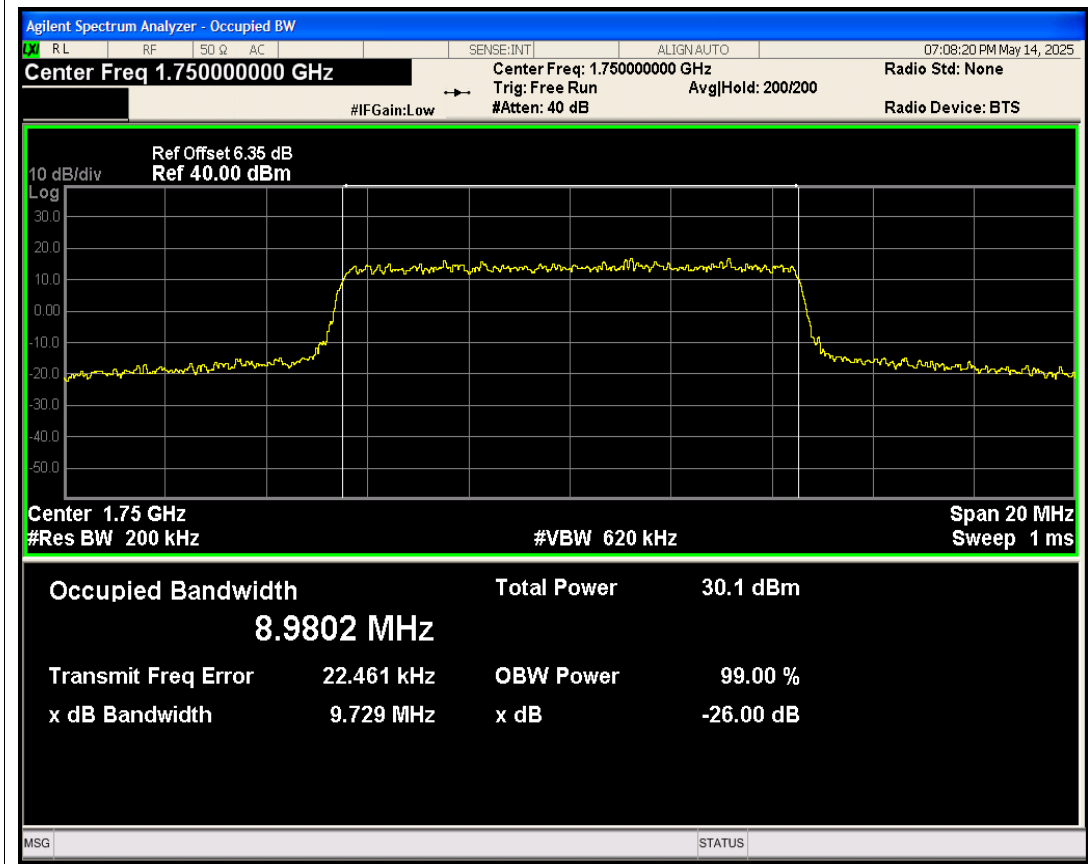
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

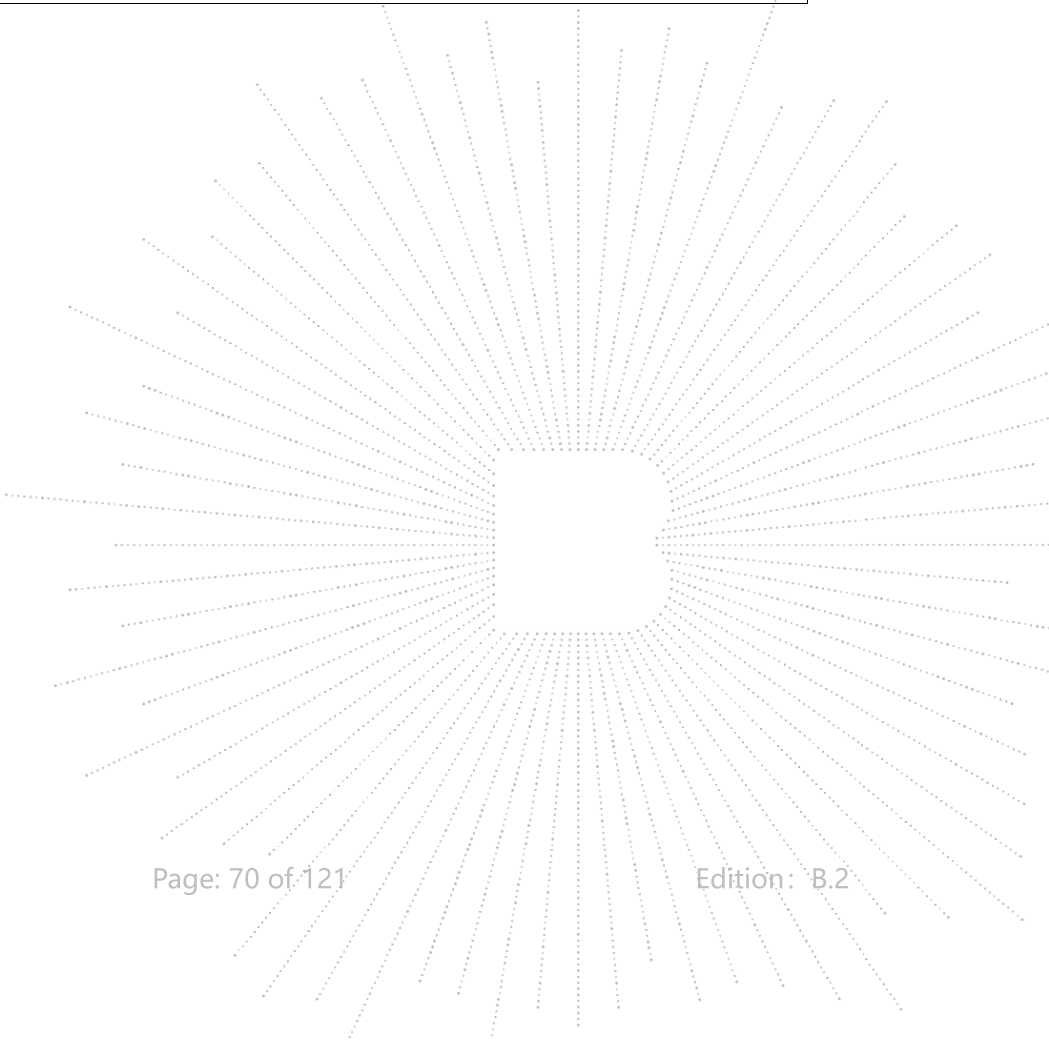
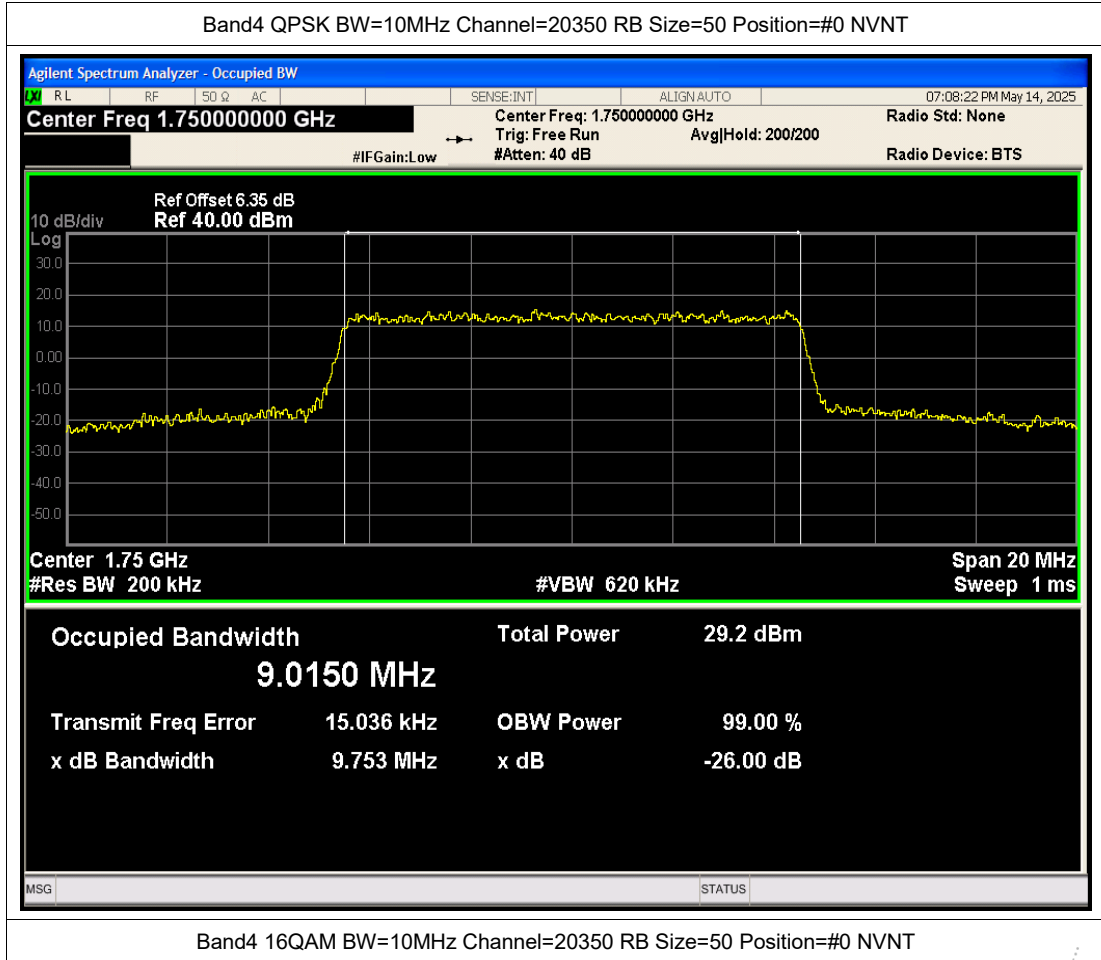


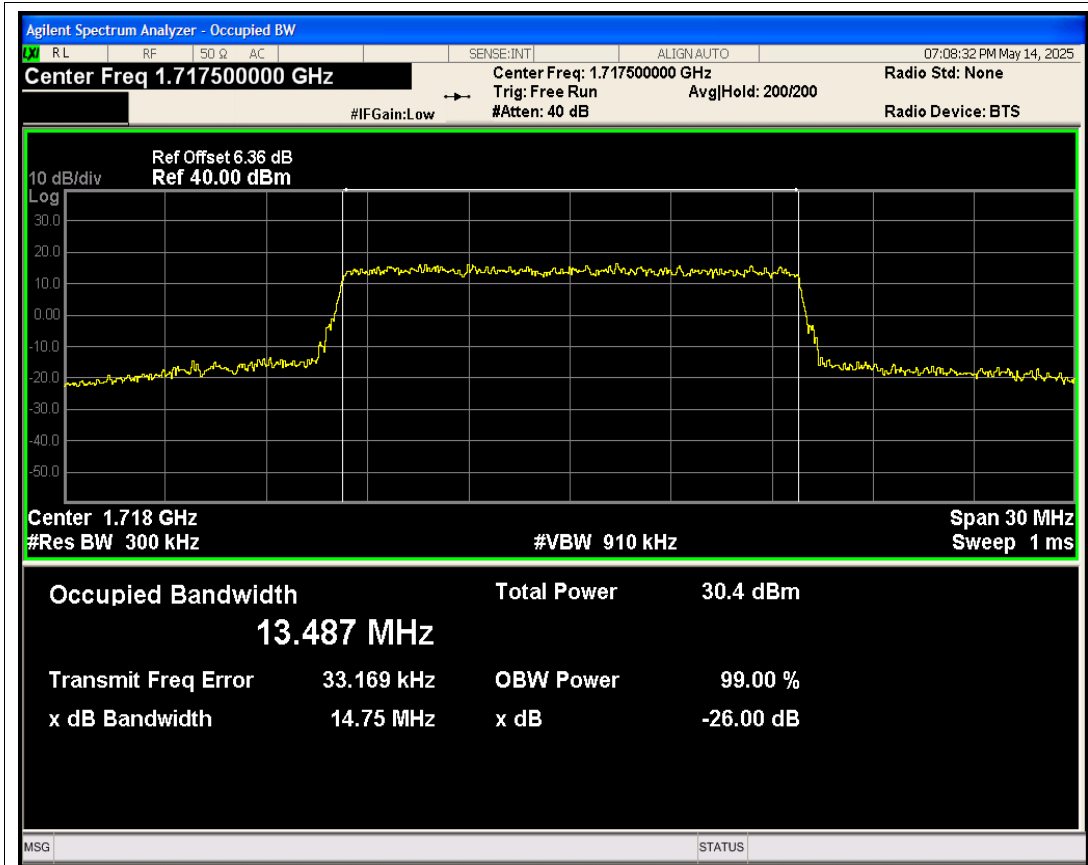




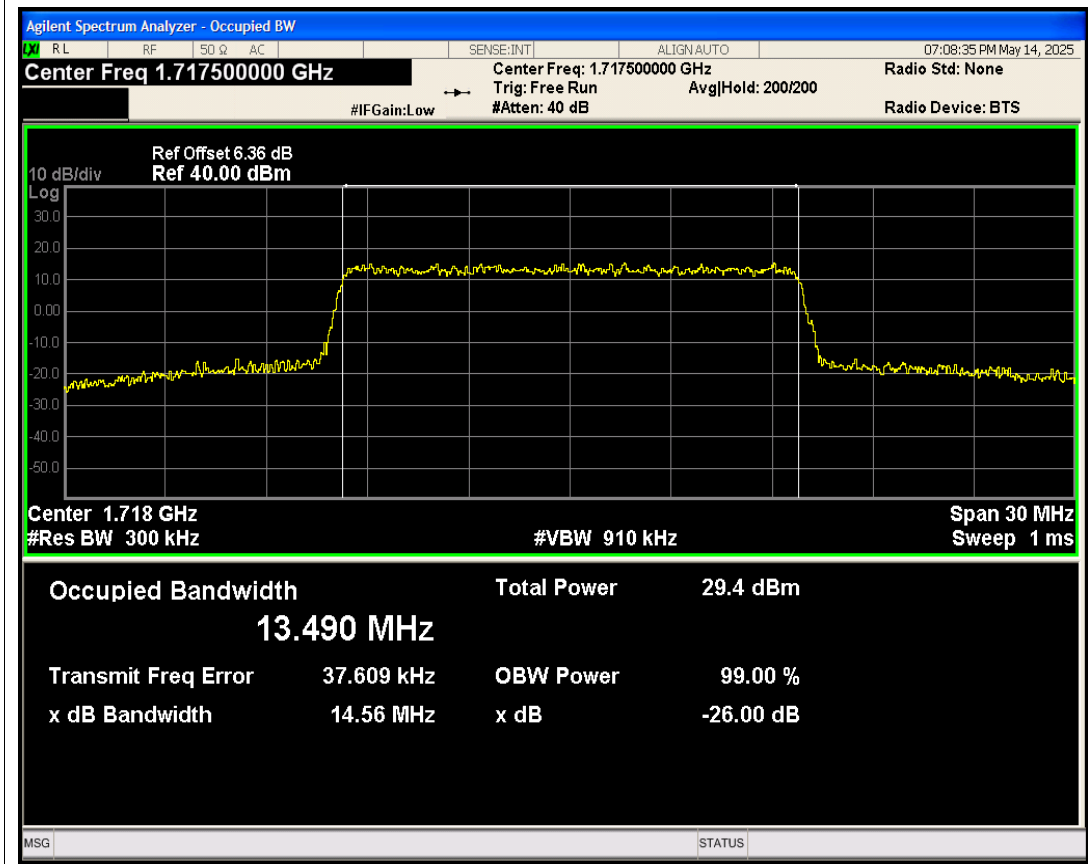
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

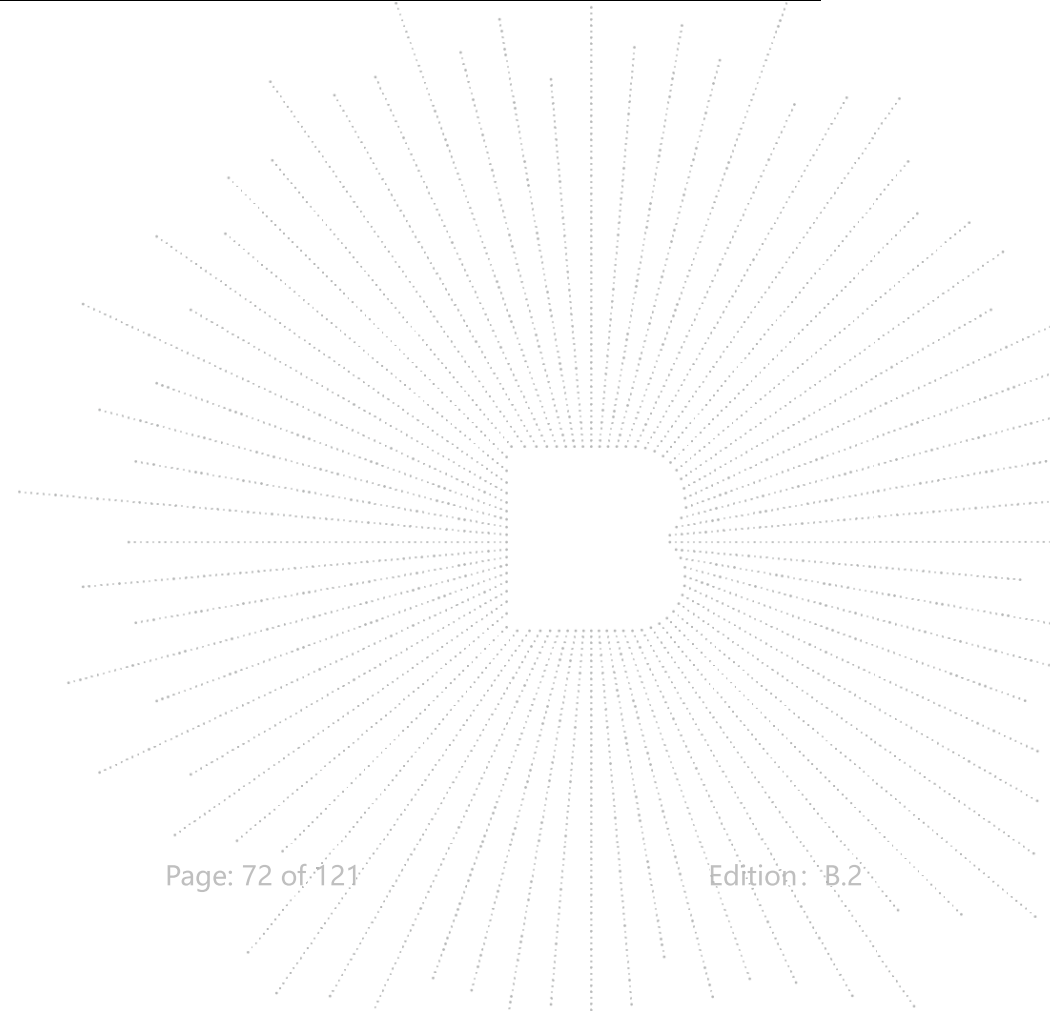
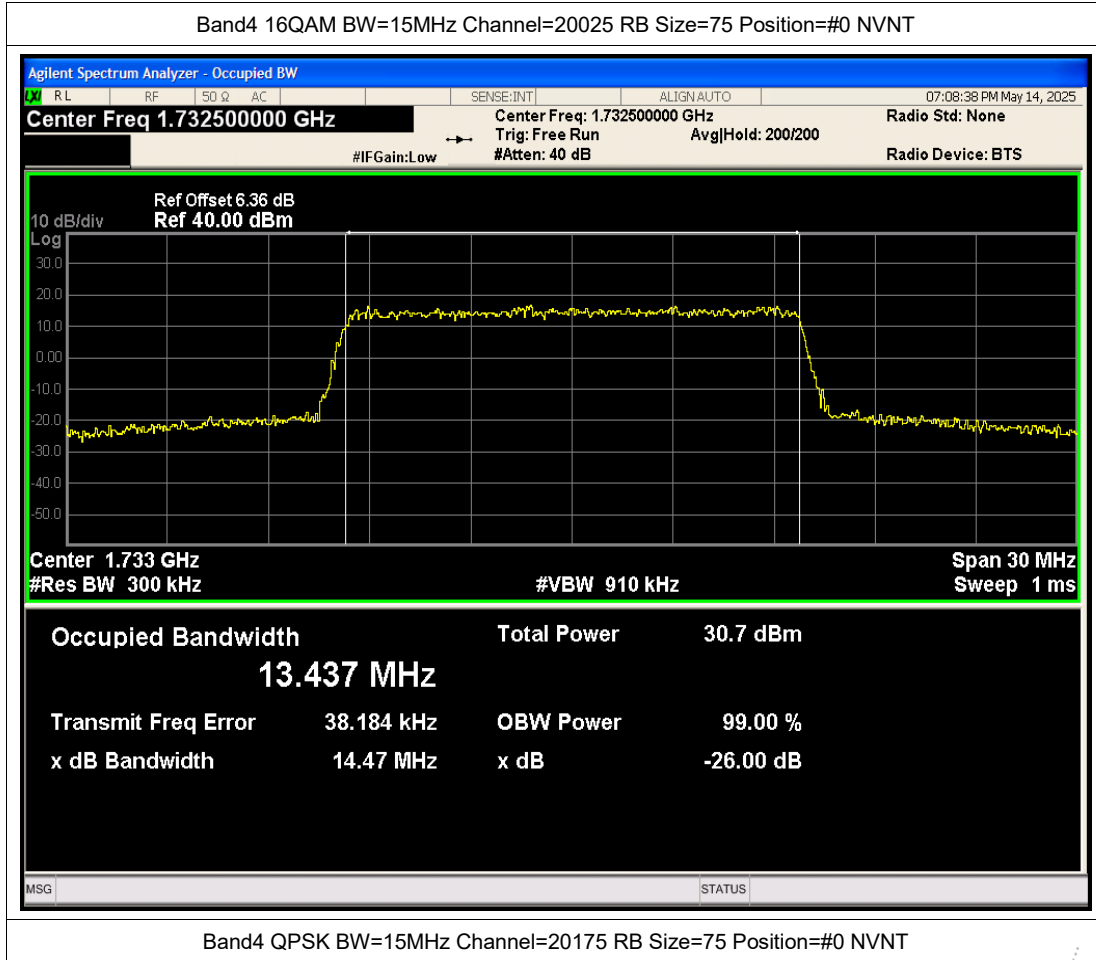


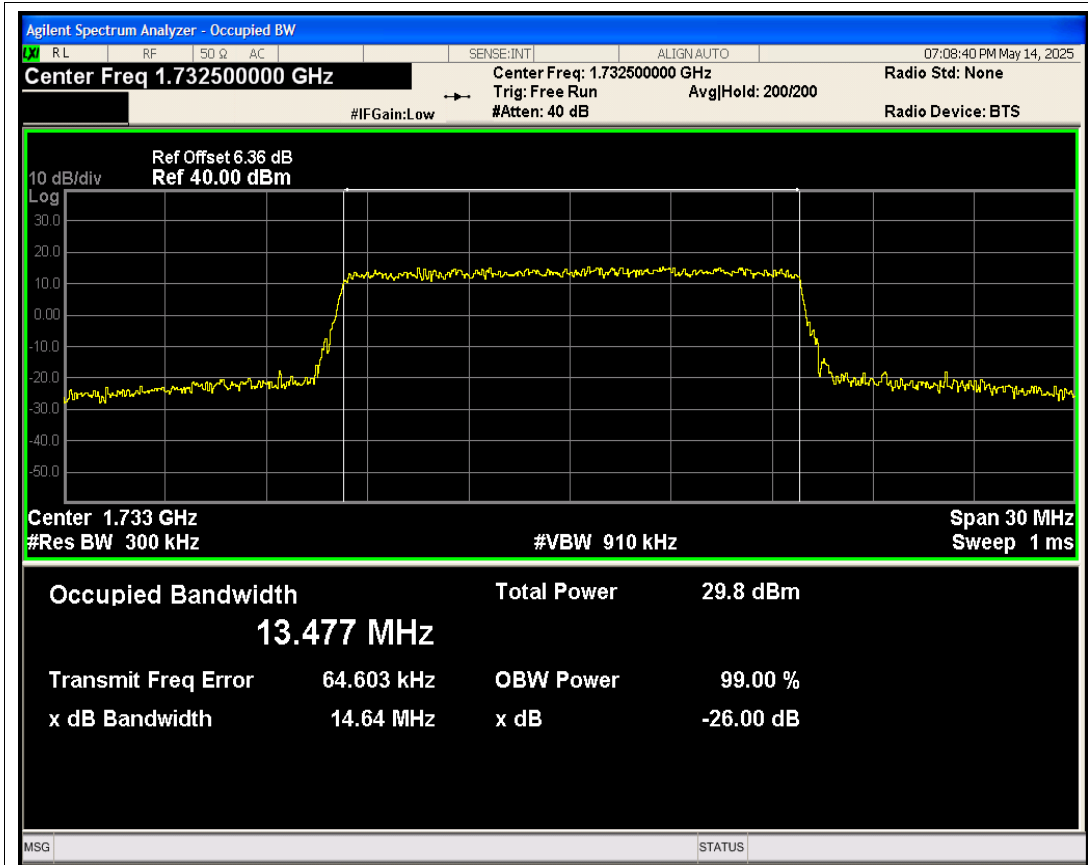




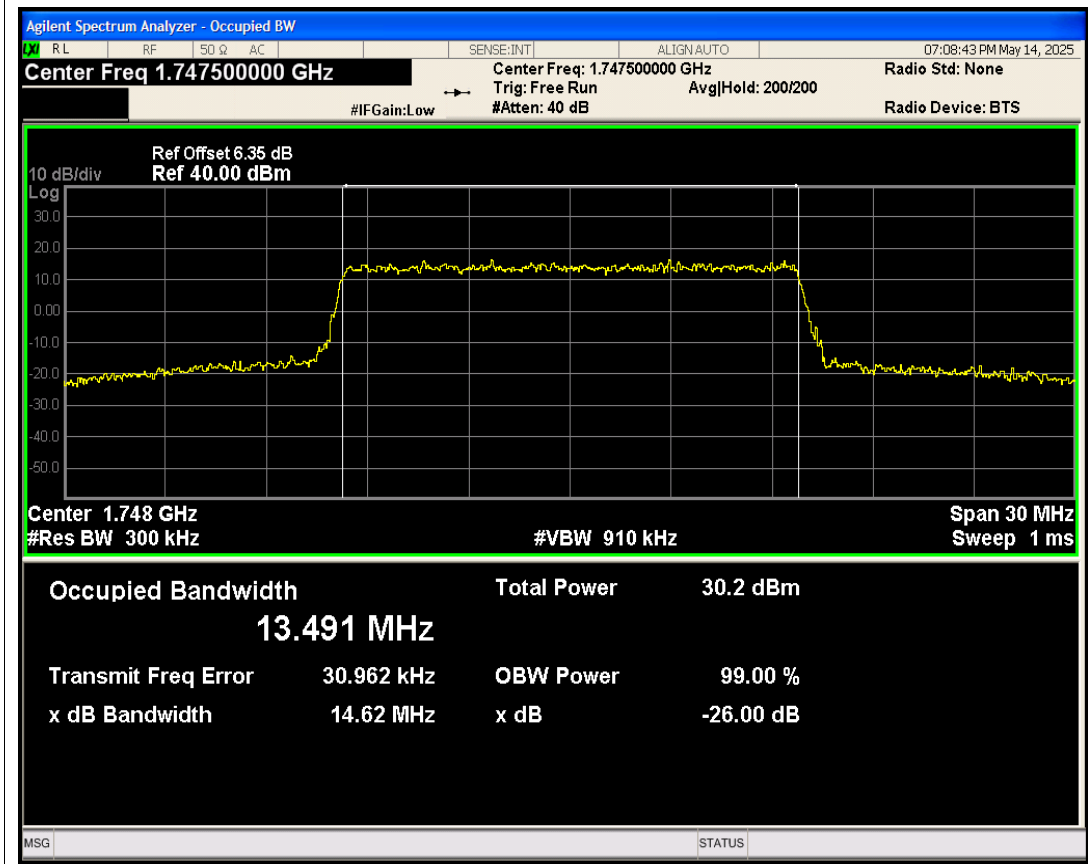
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

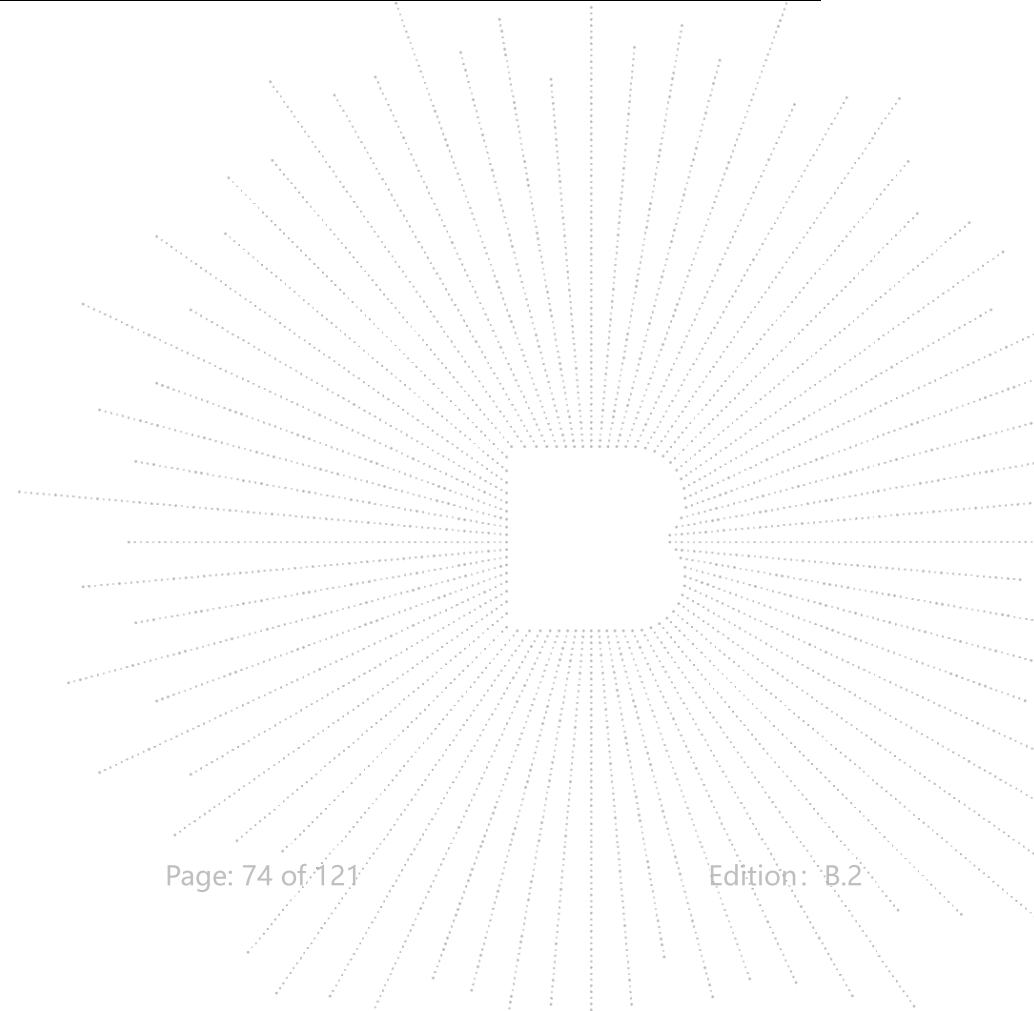
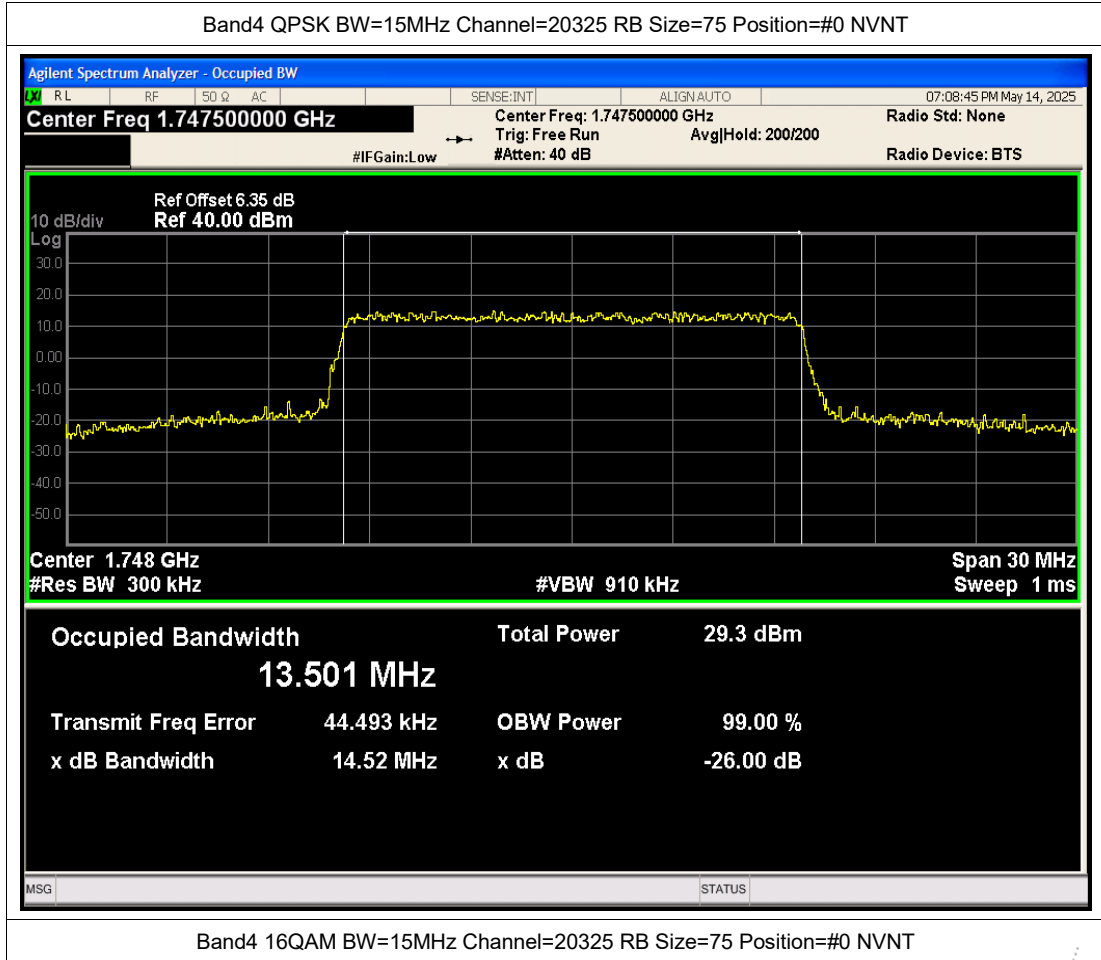


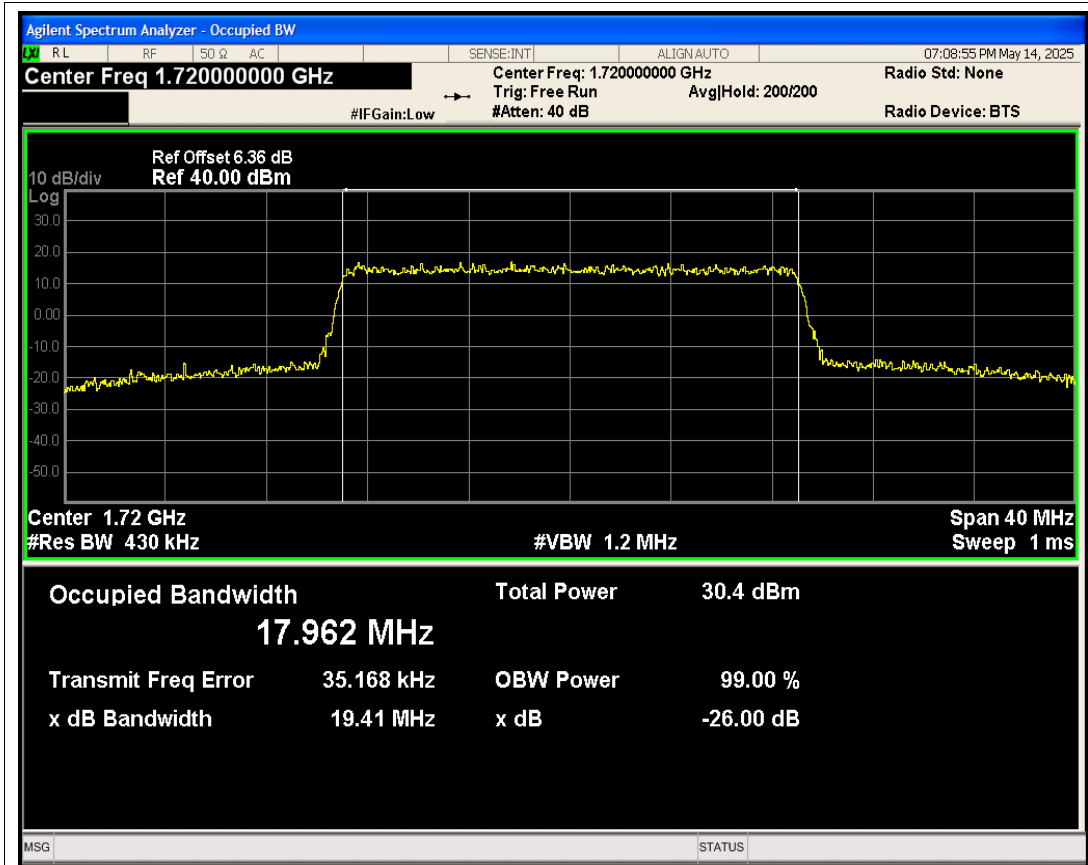




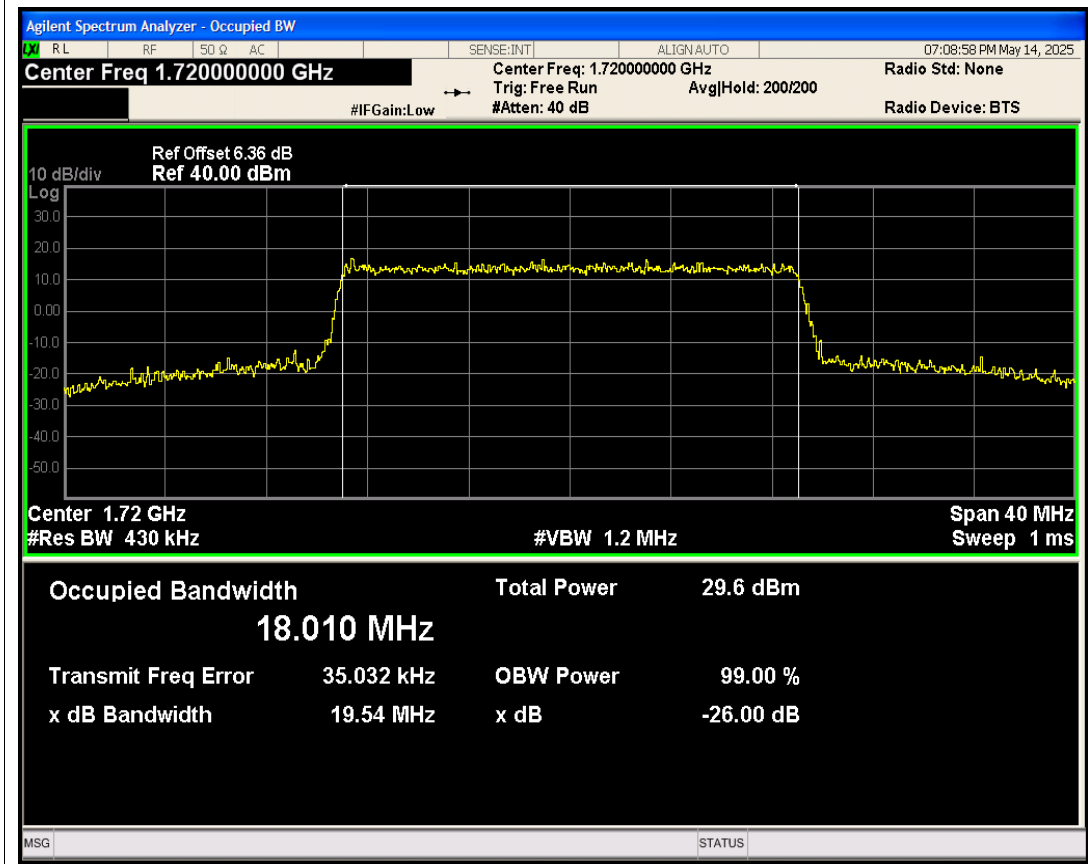
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

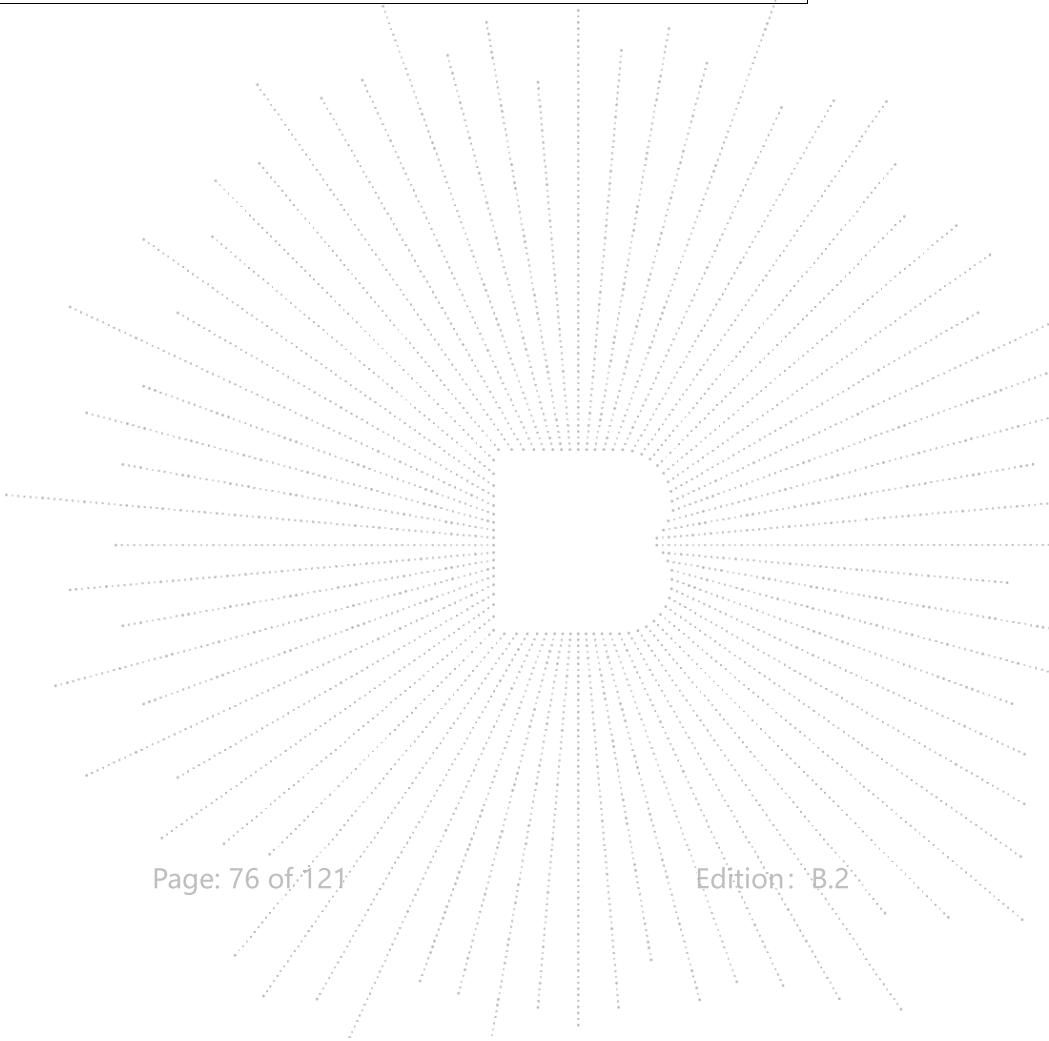
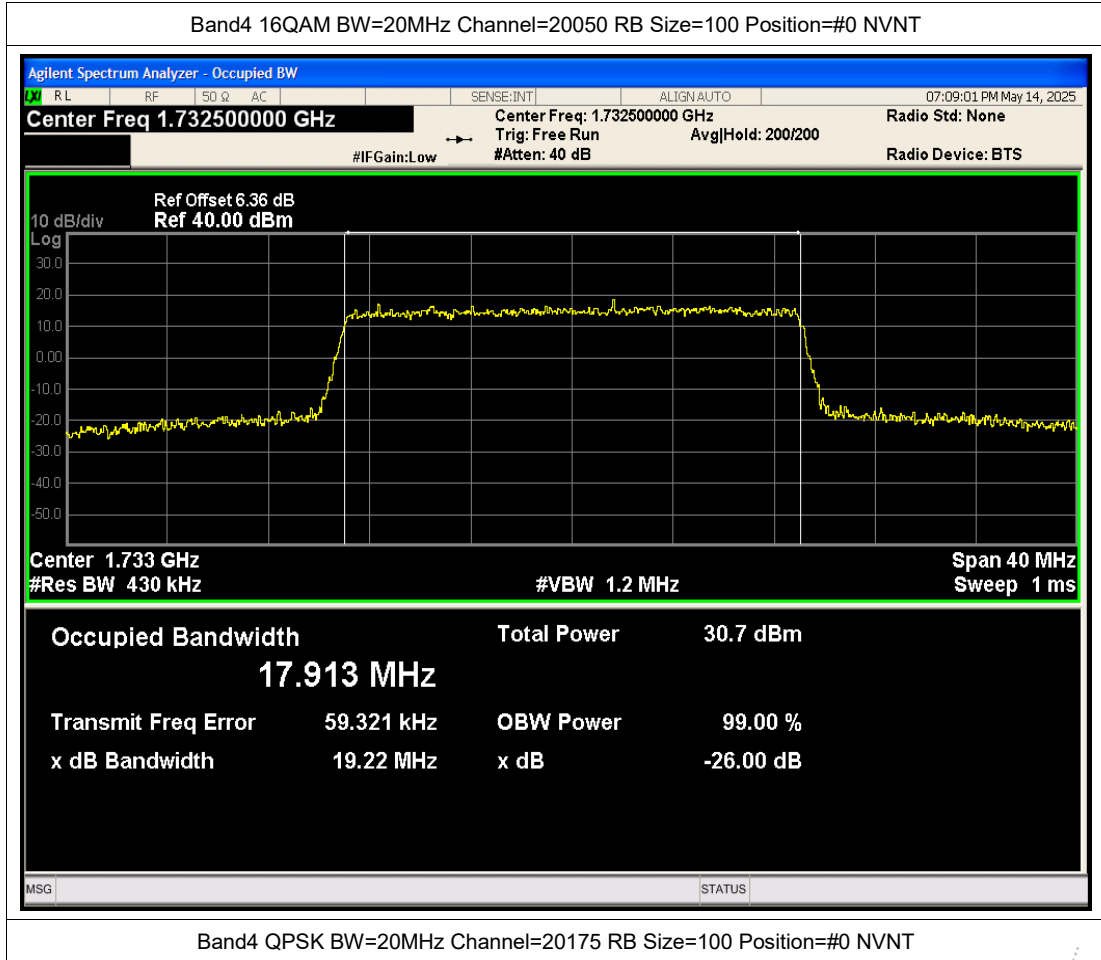


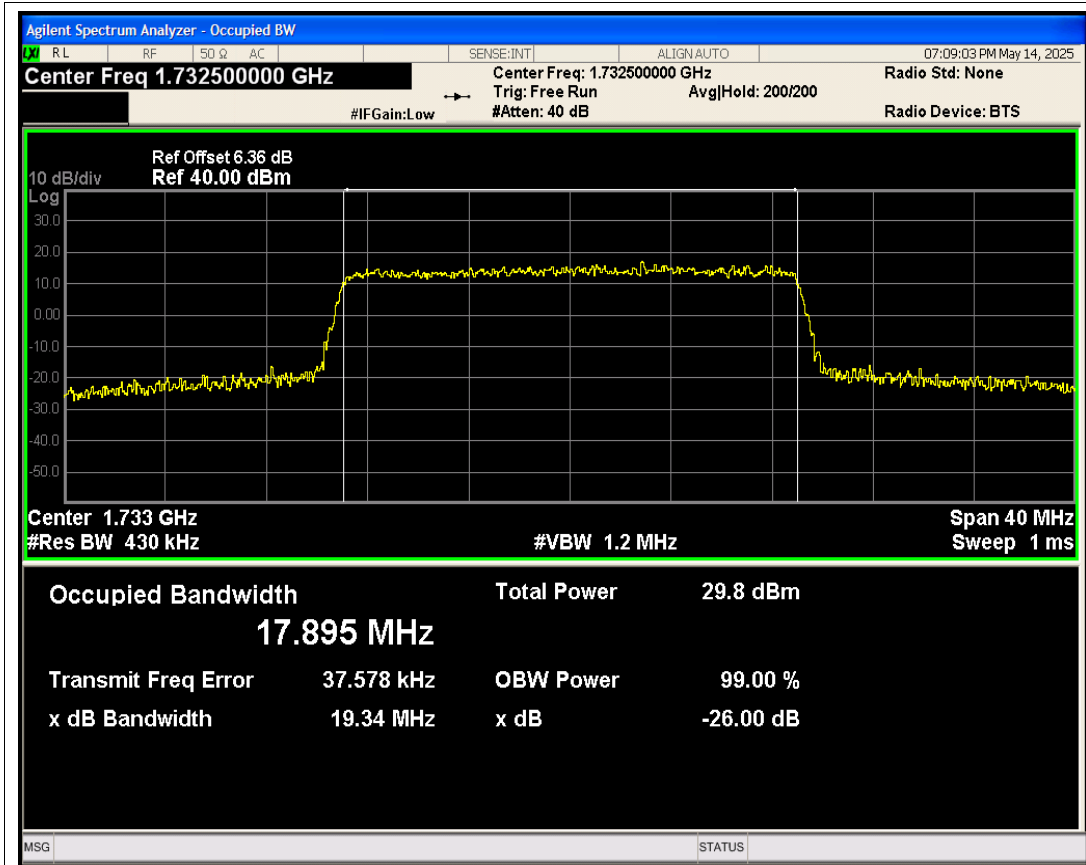




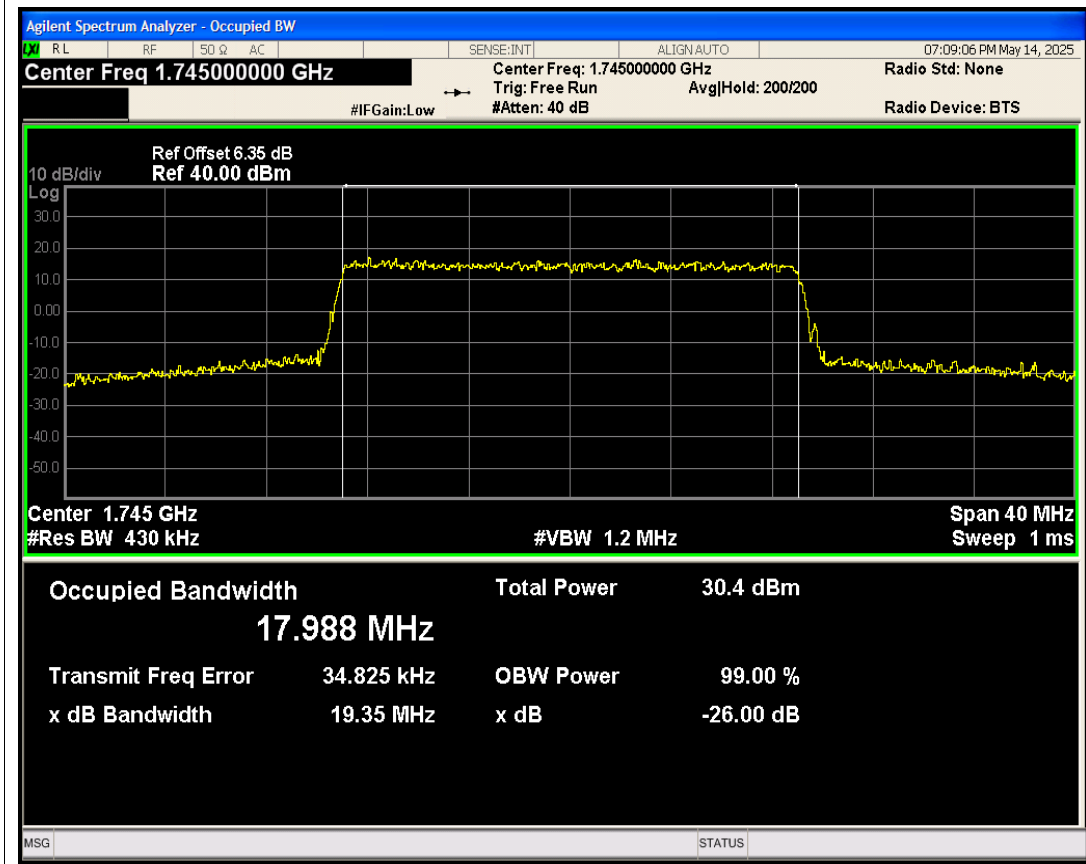
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

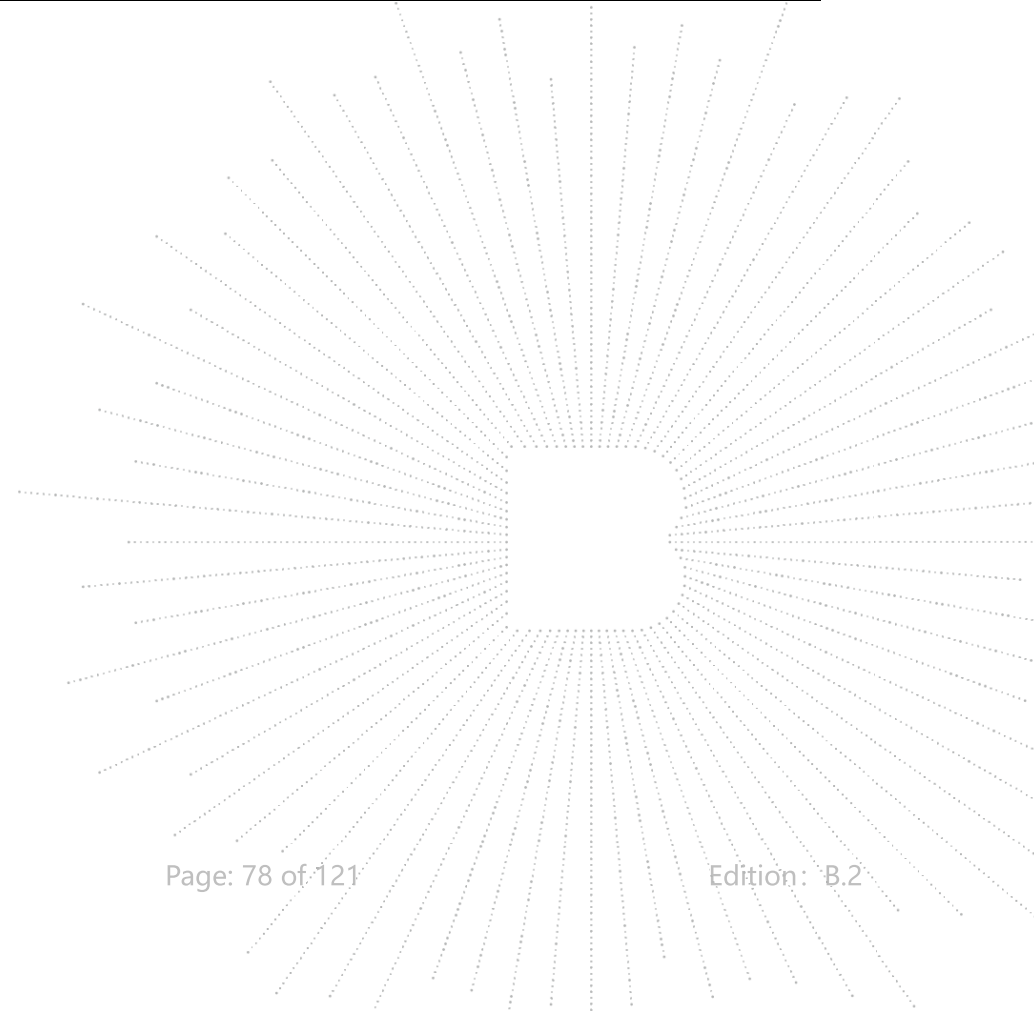
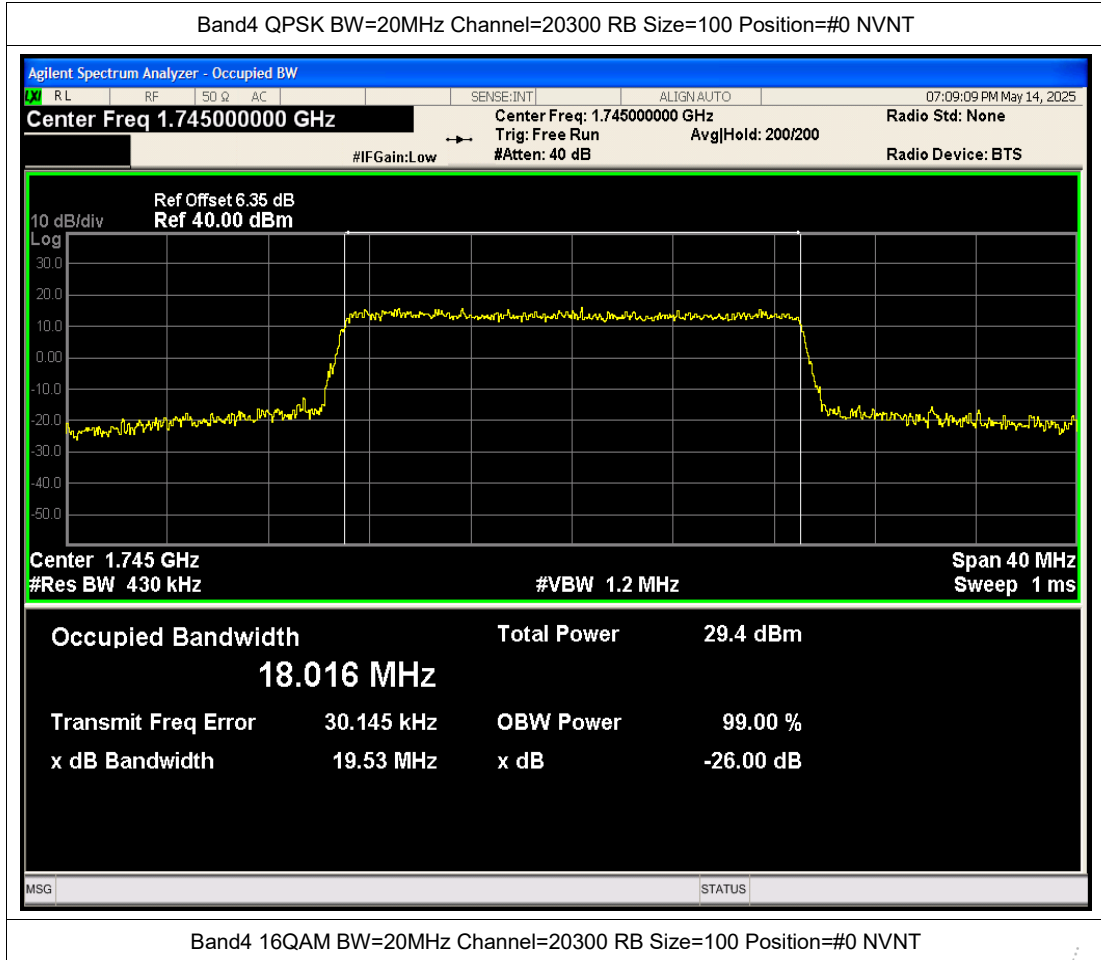






Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





Appendix 5.Band edge

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



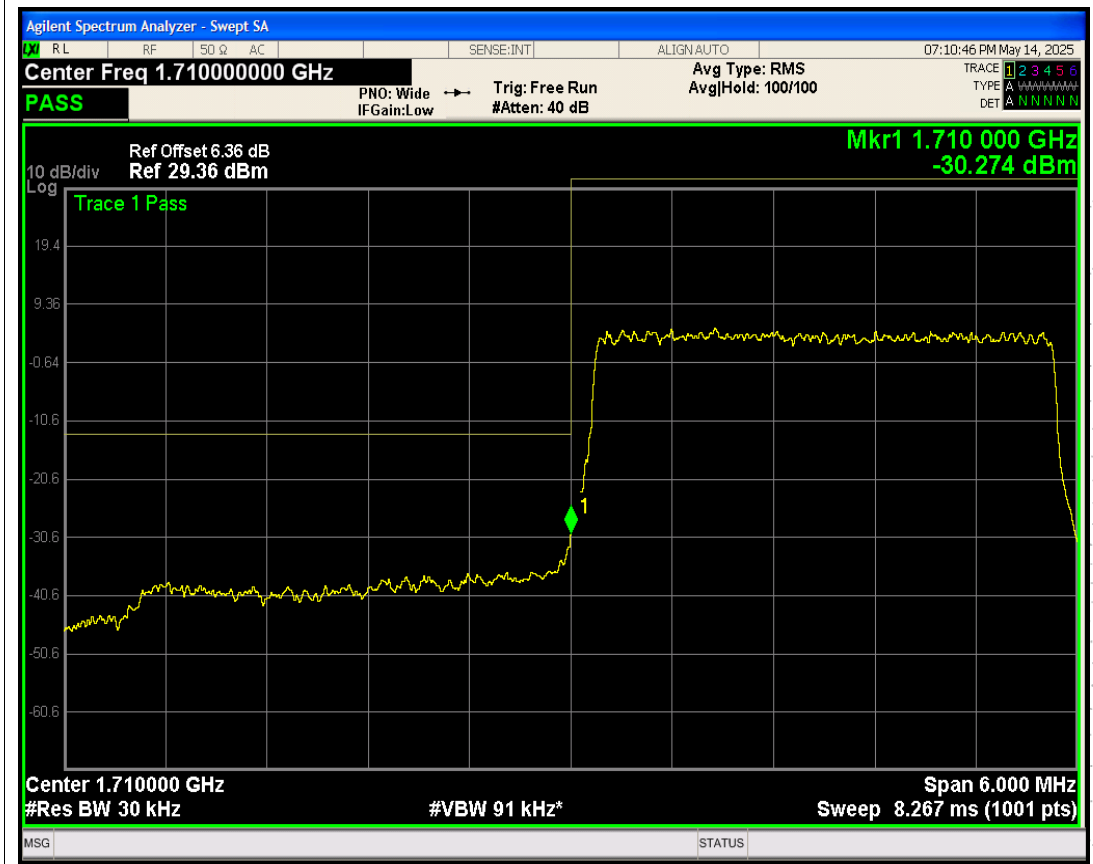
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

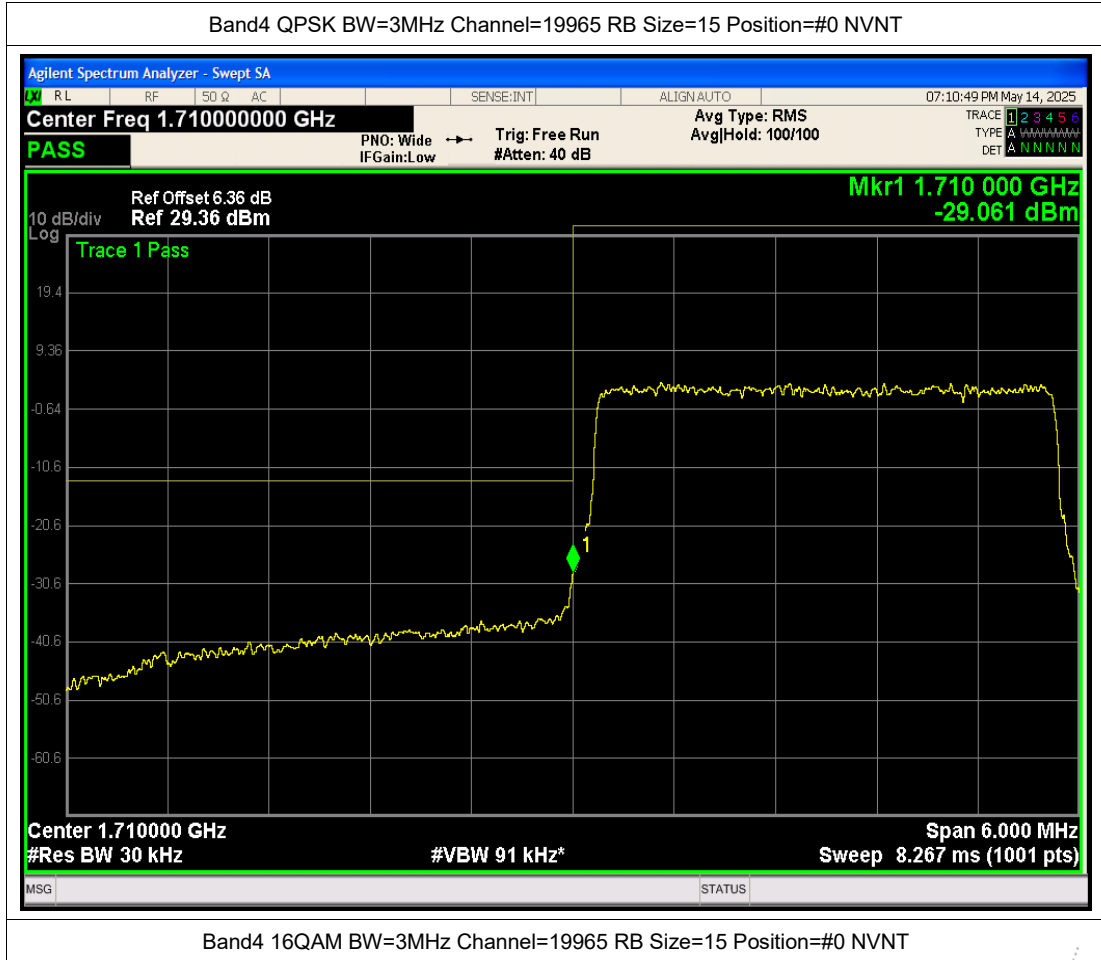






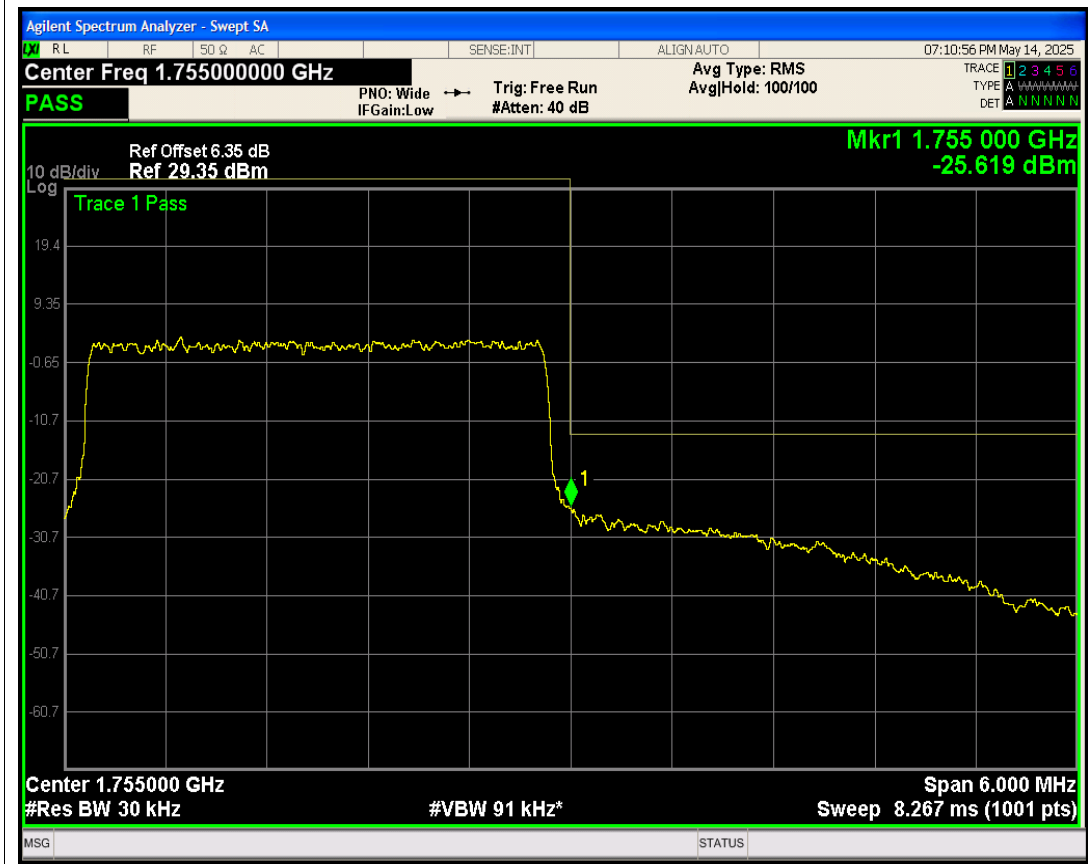
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

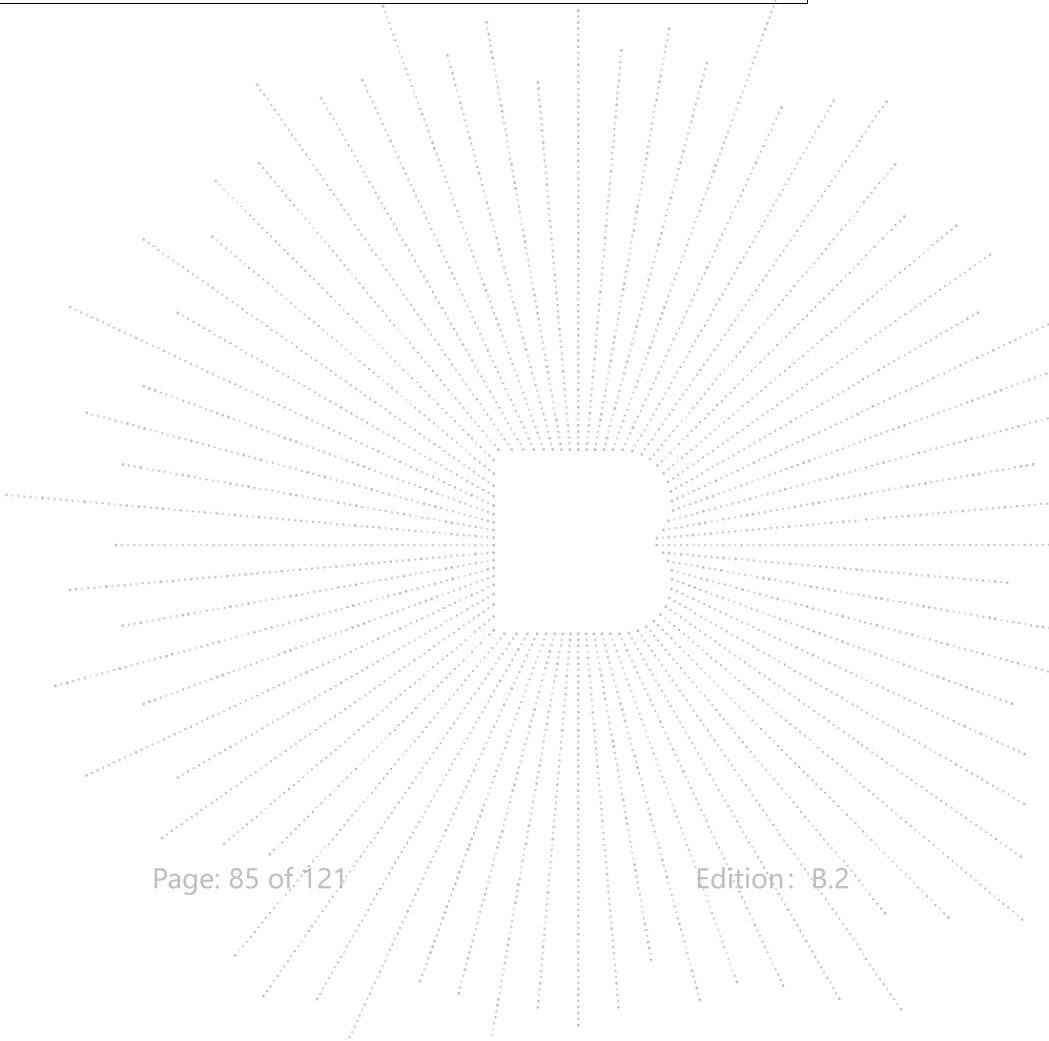
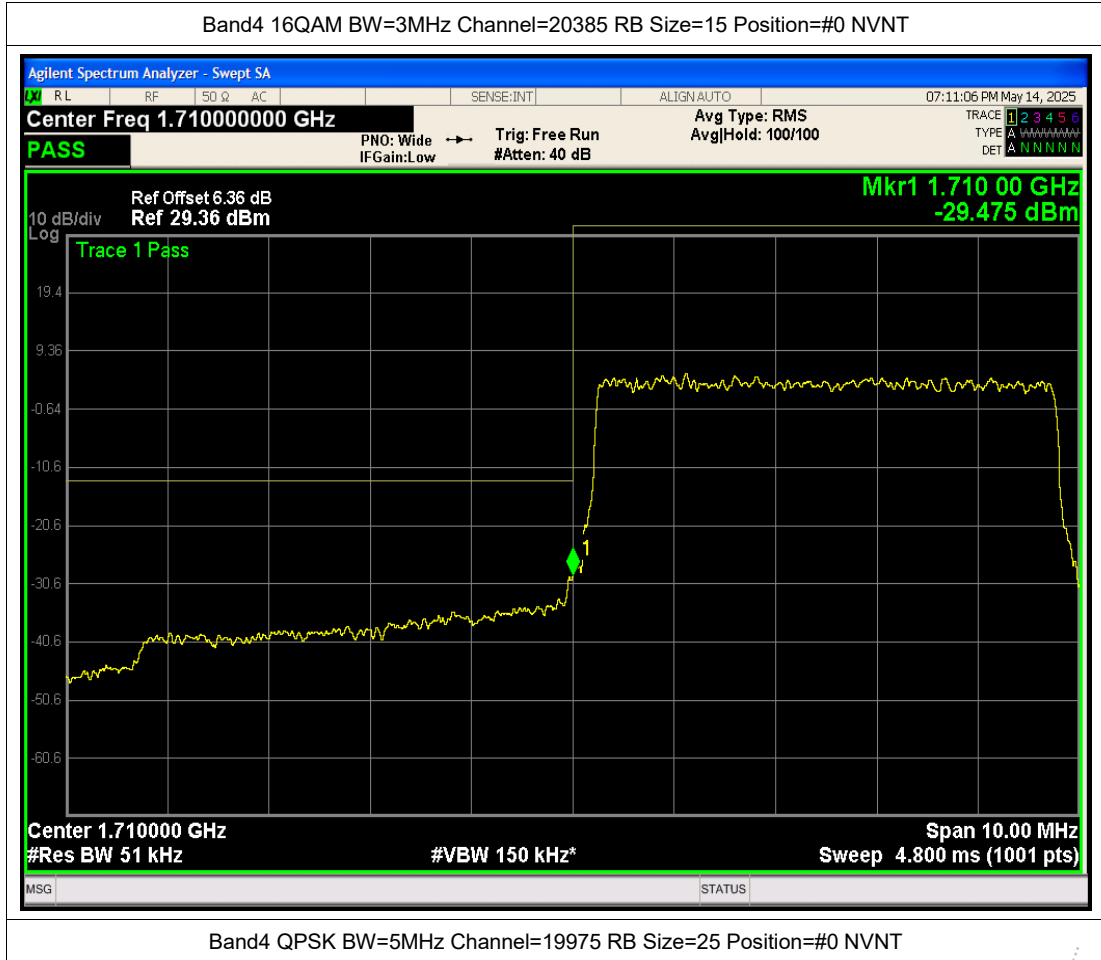


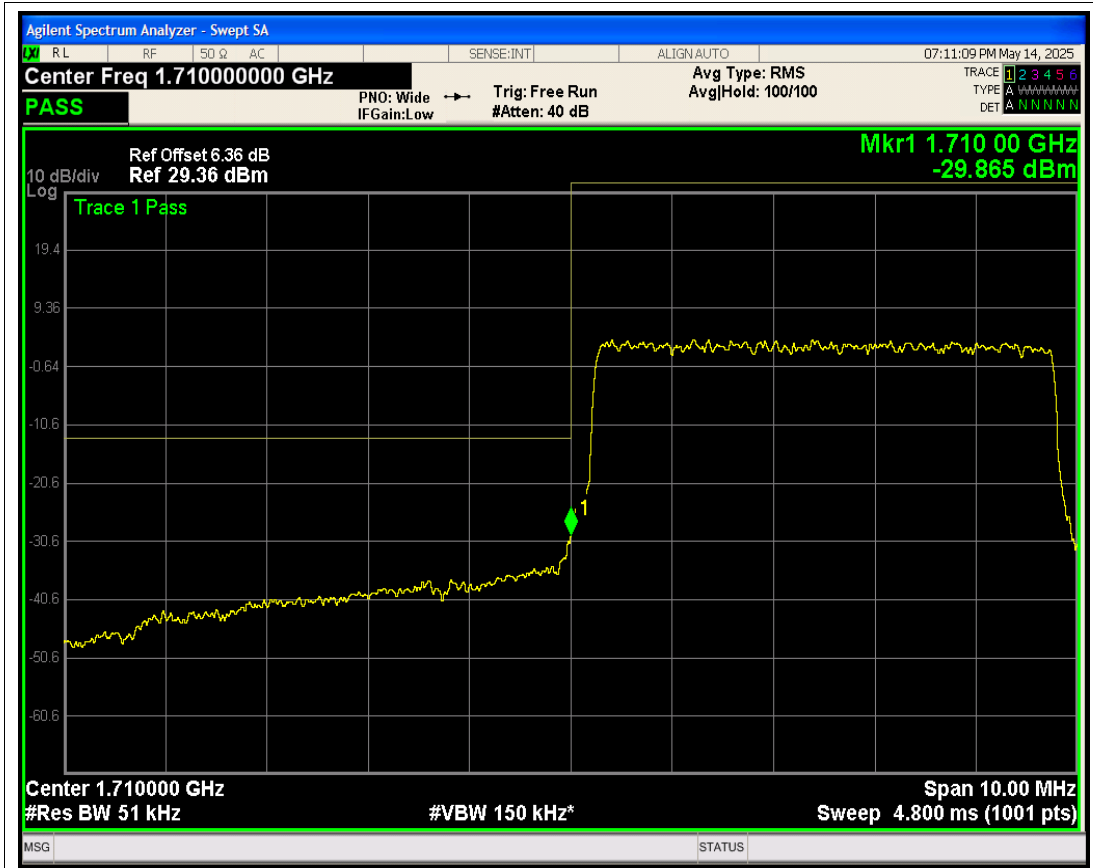




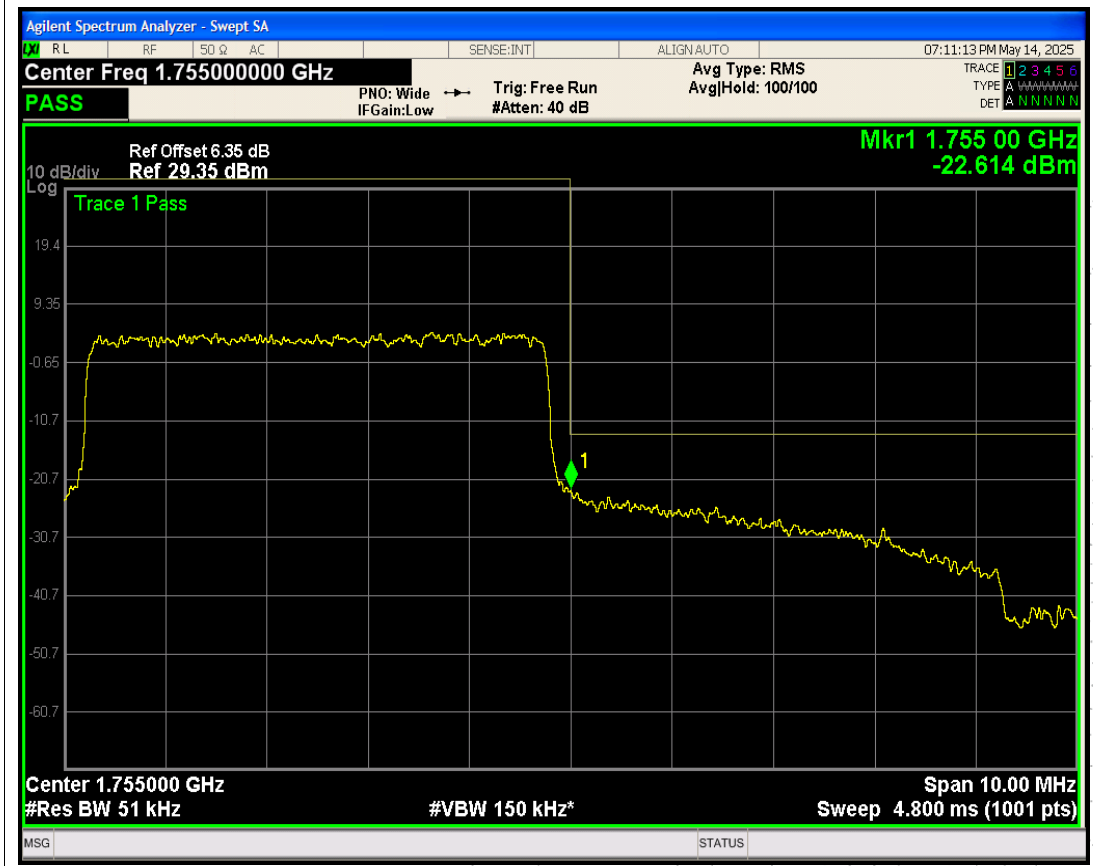
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



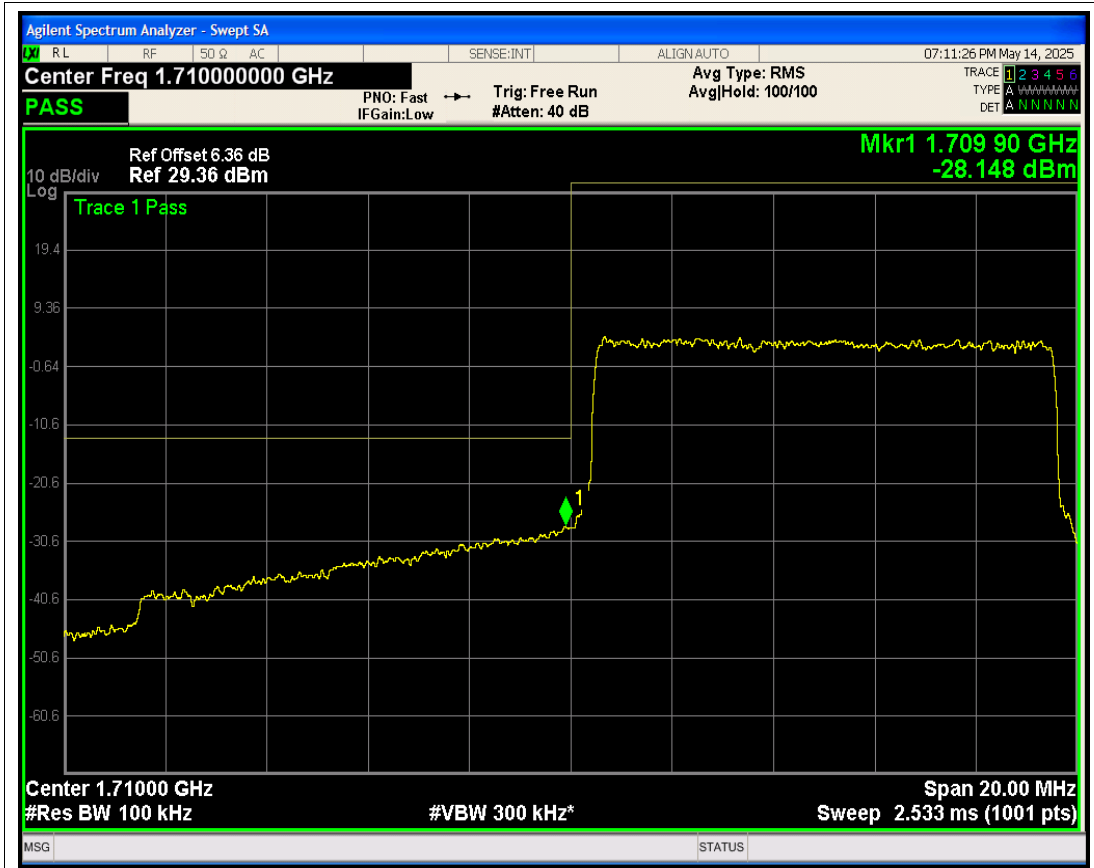




Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



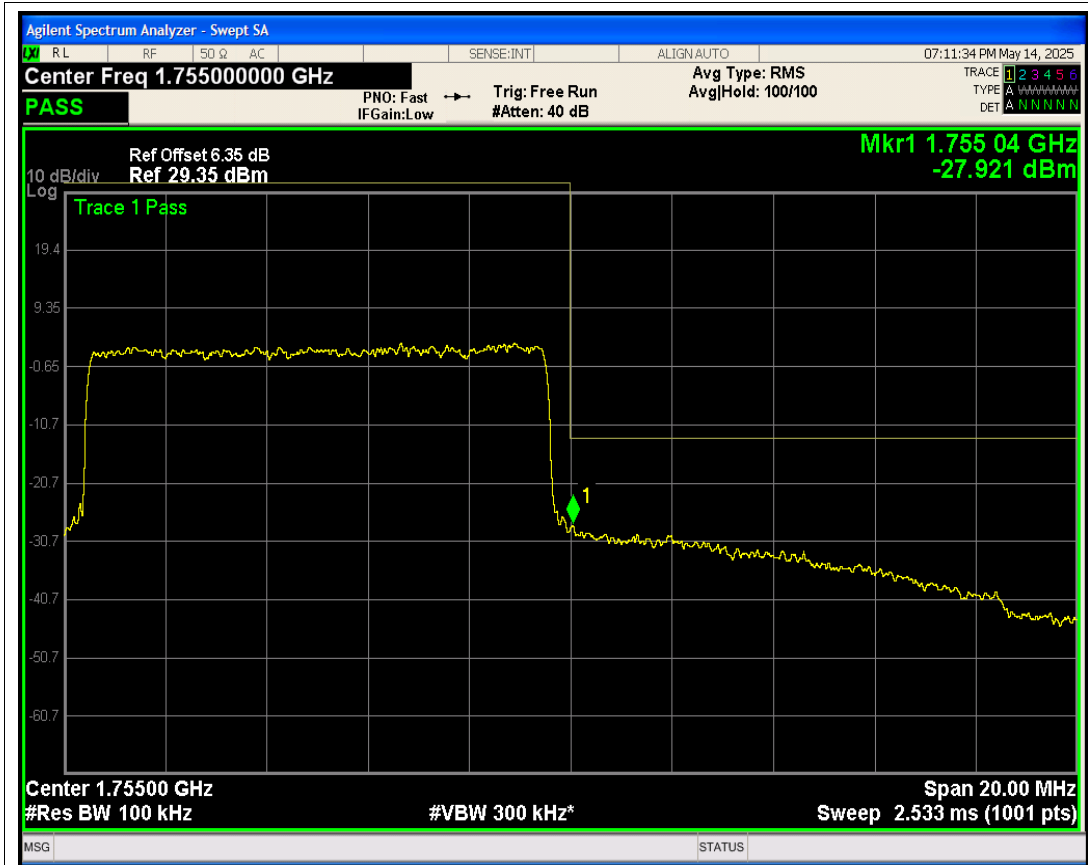




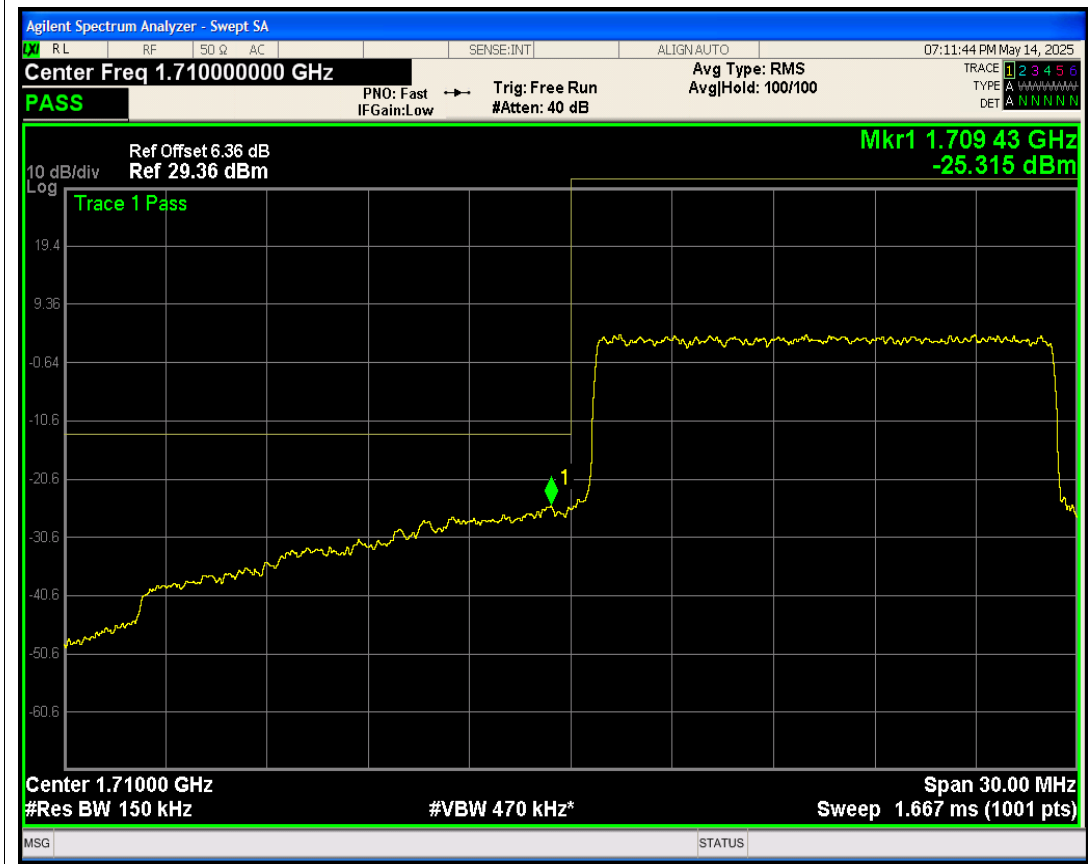
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

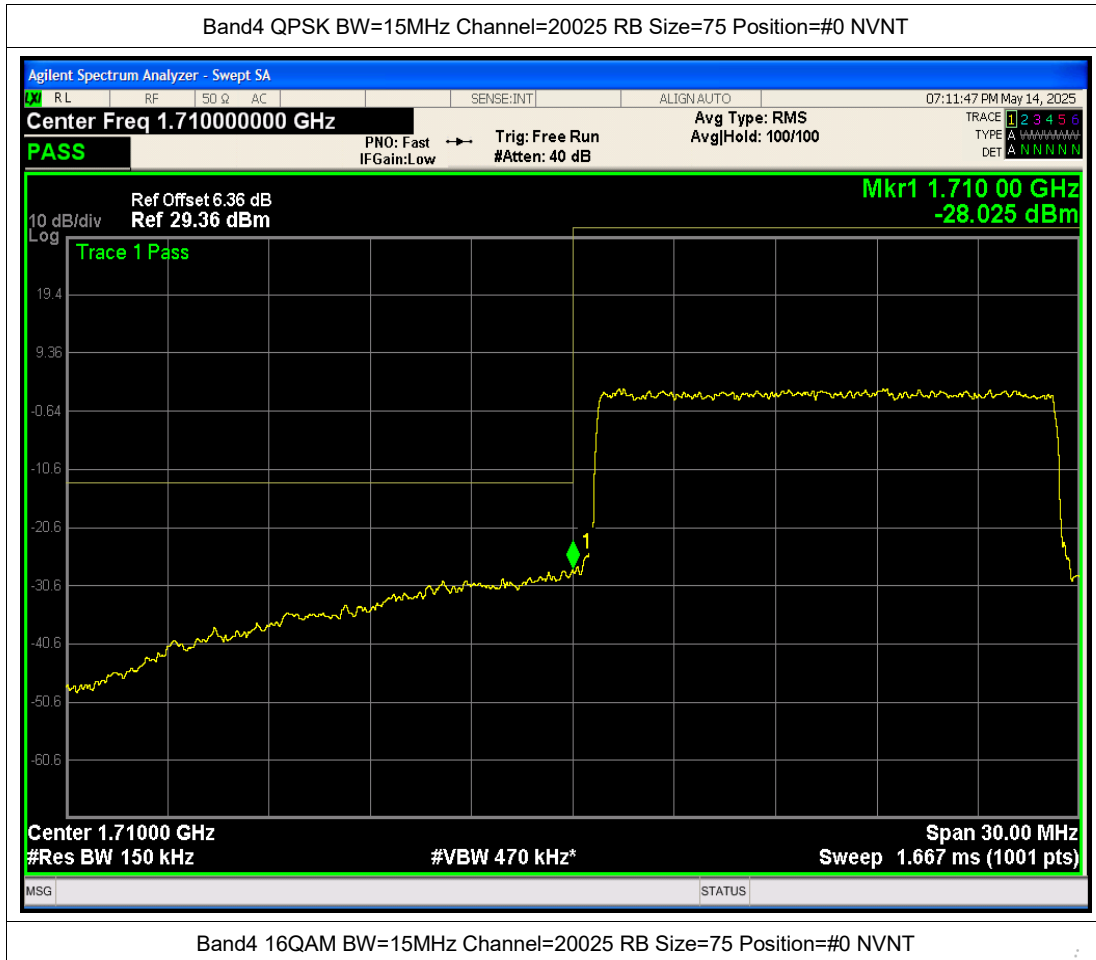


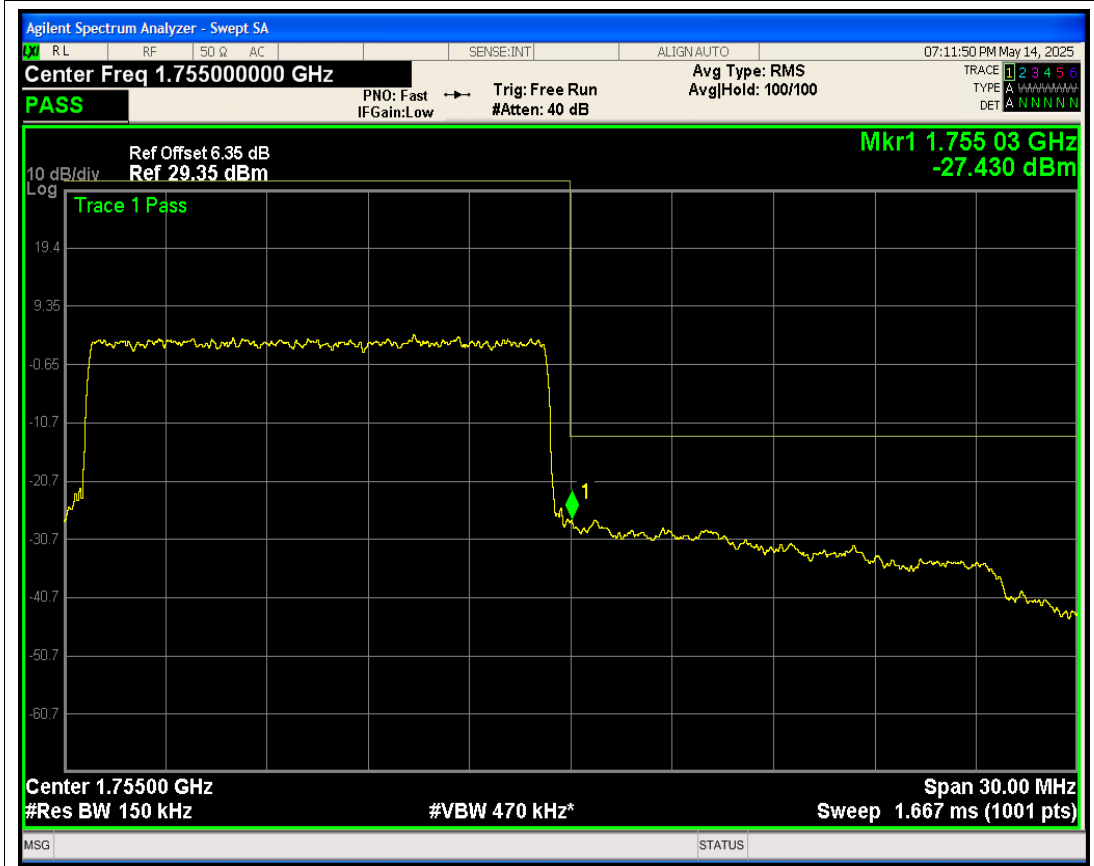




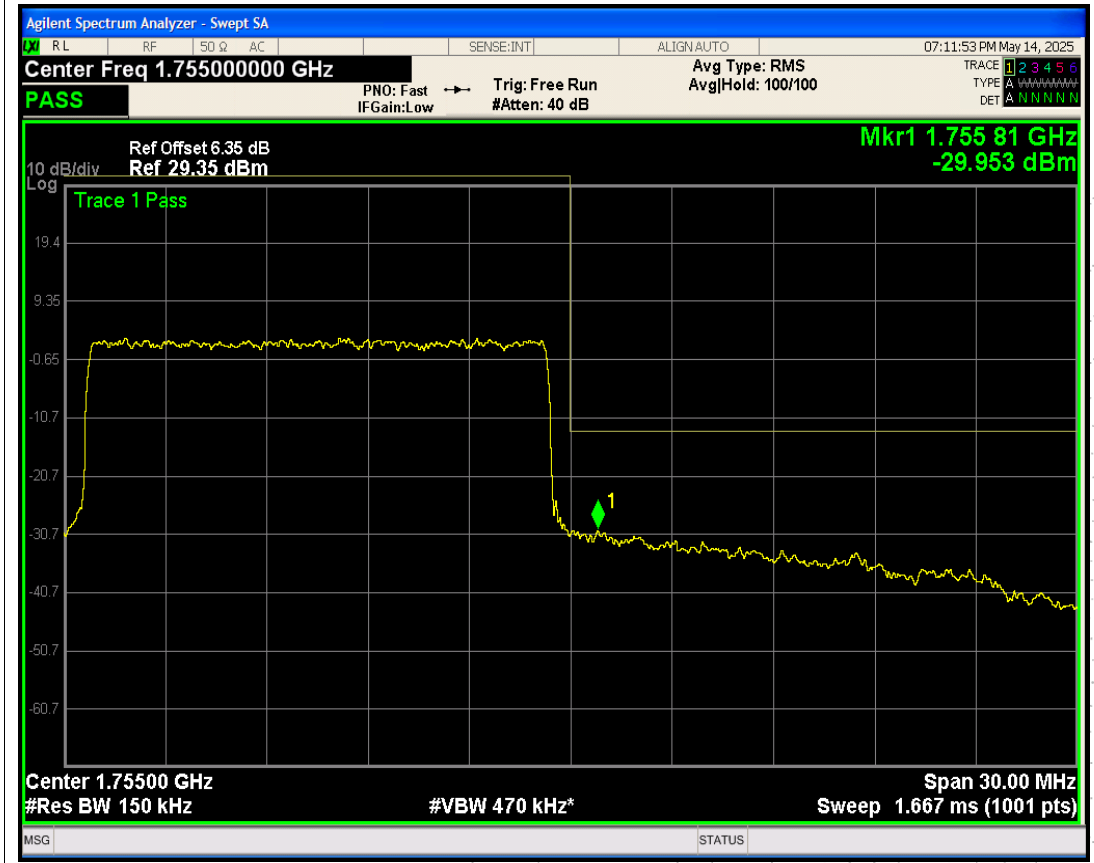
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

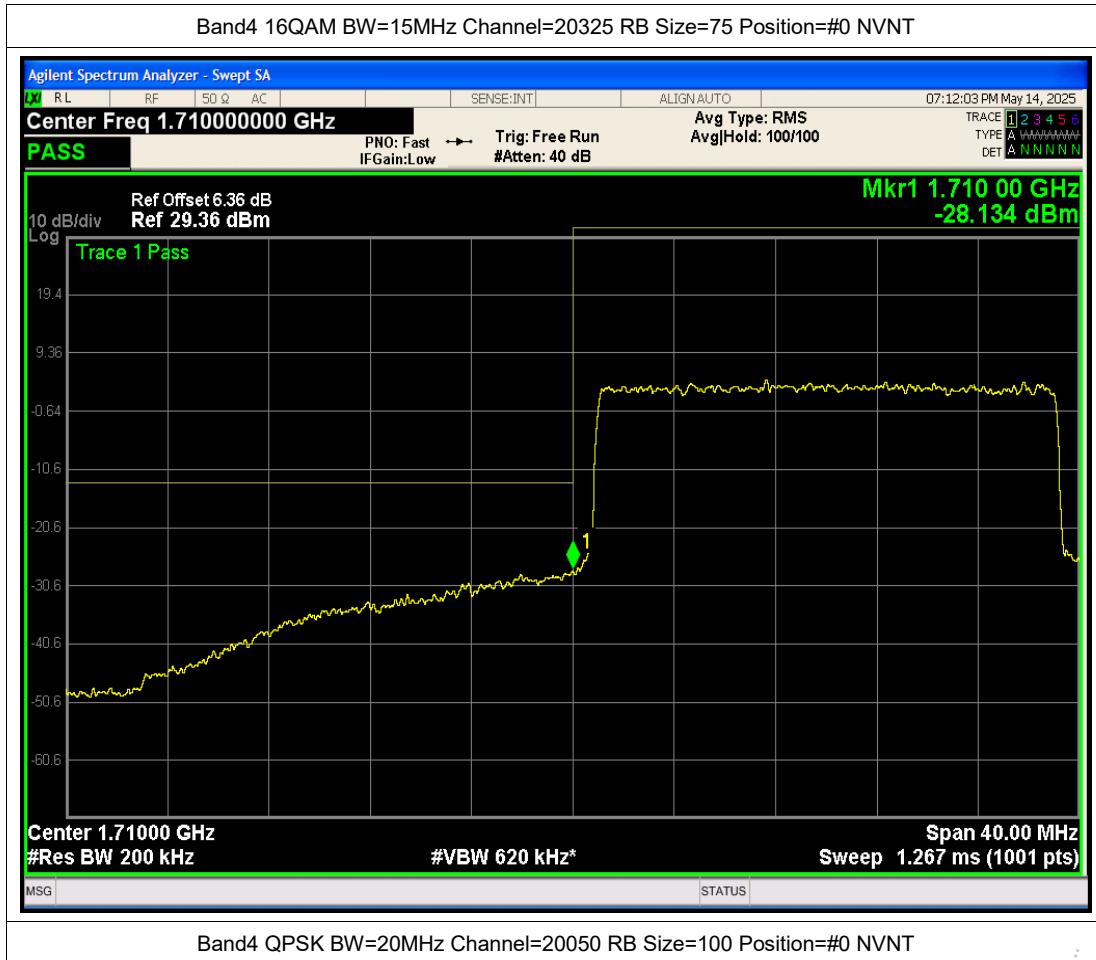


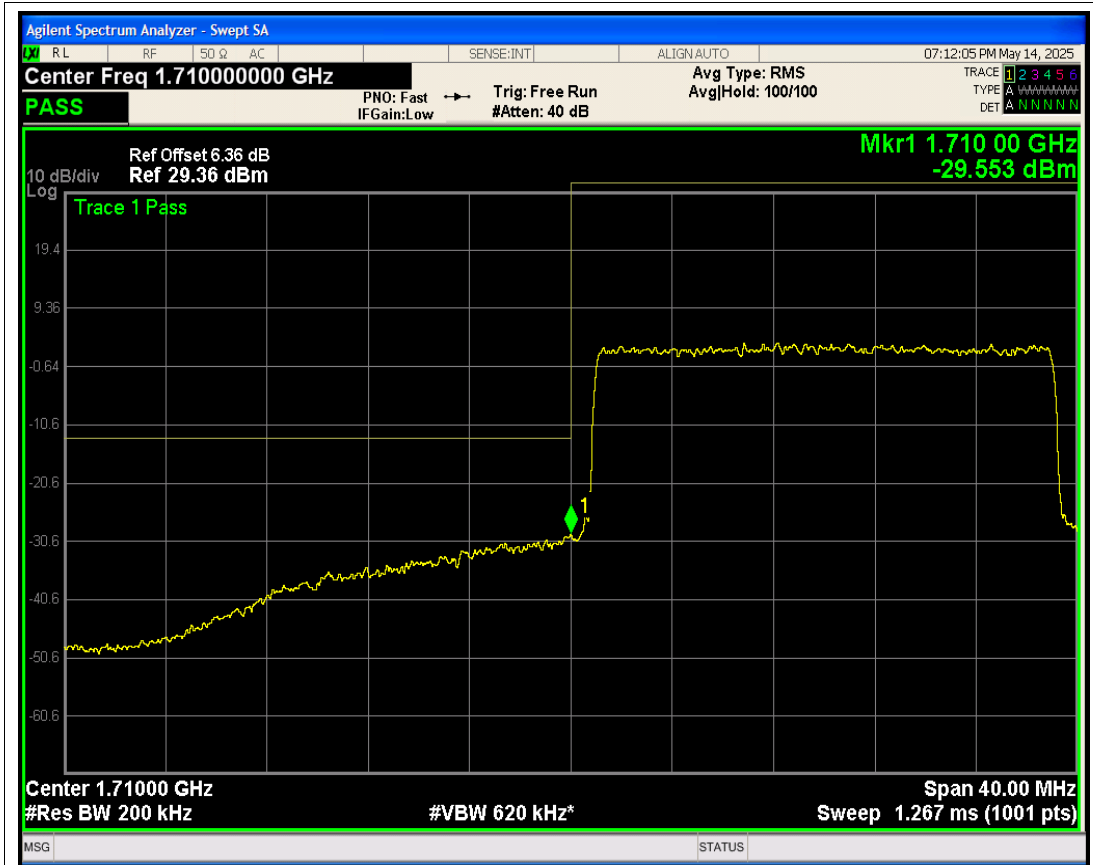




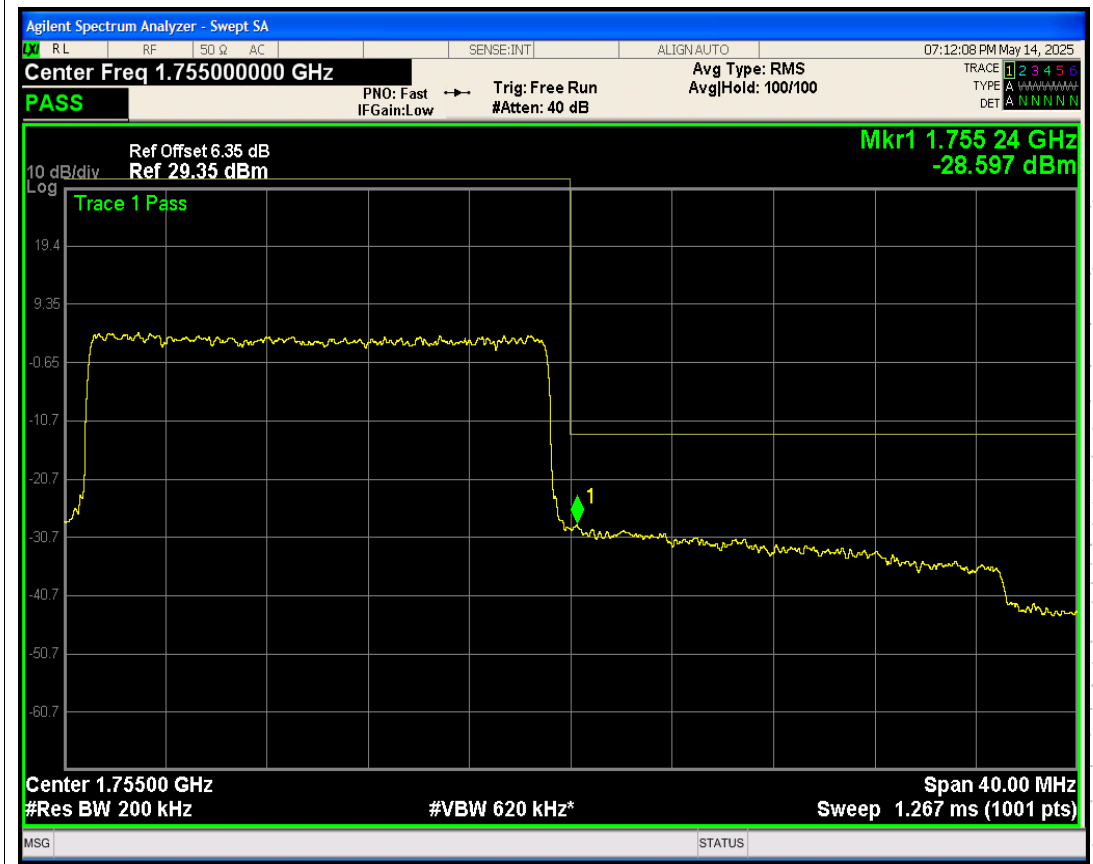
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

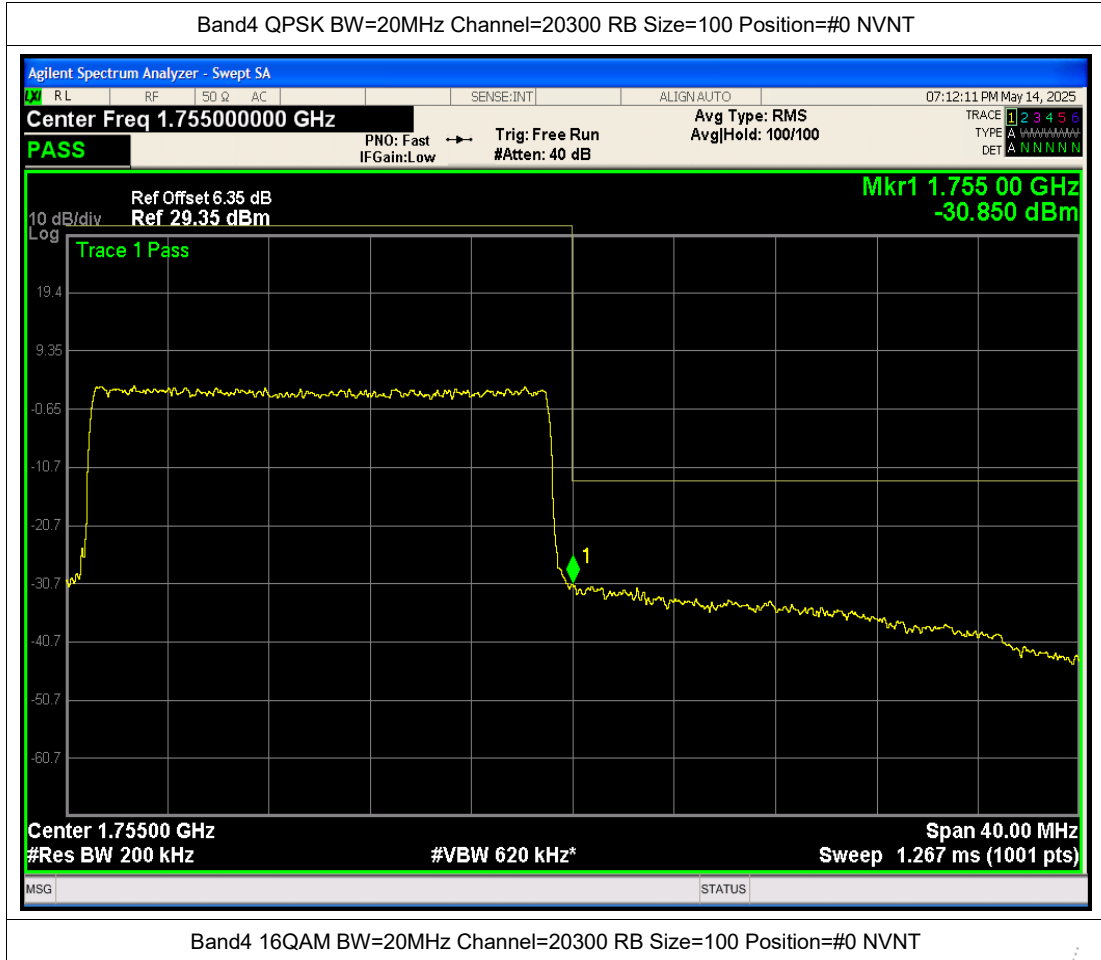






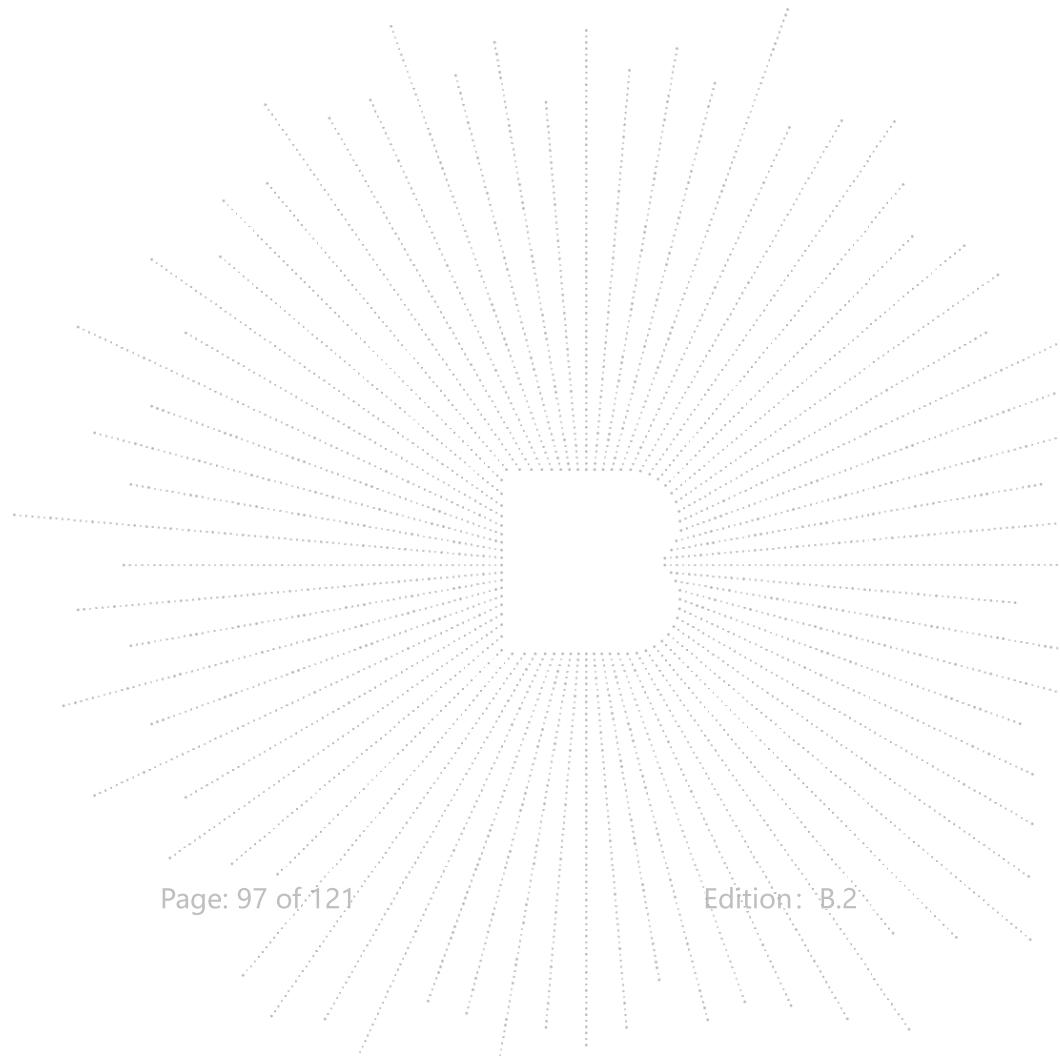
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

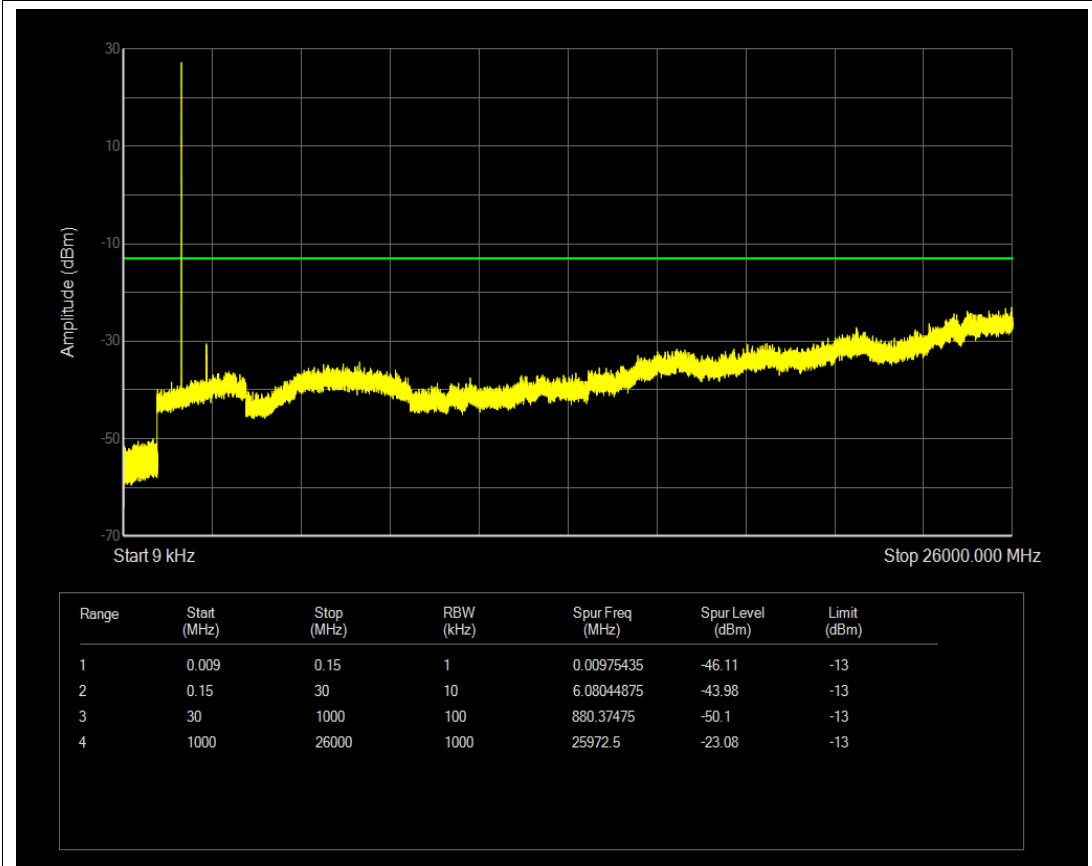




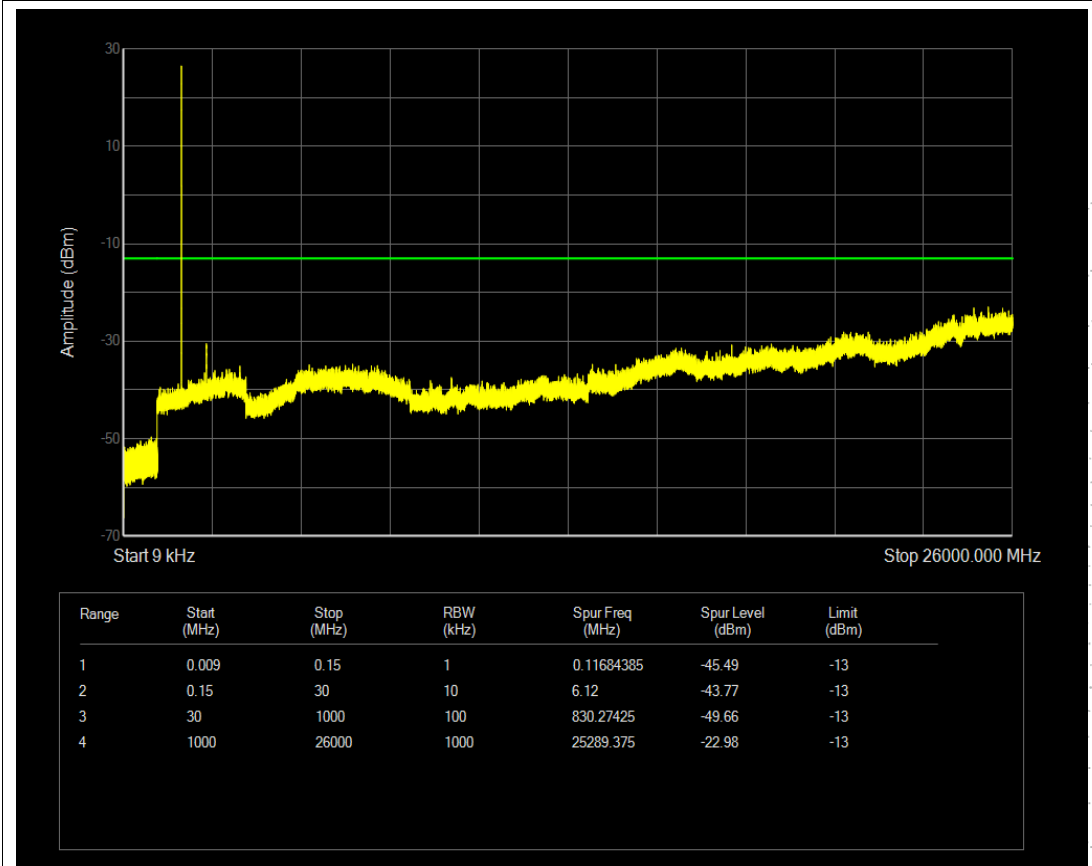
Appendix 6.Out-of-band emissions

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



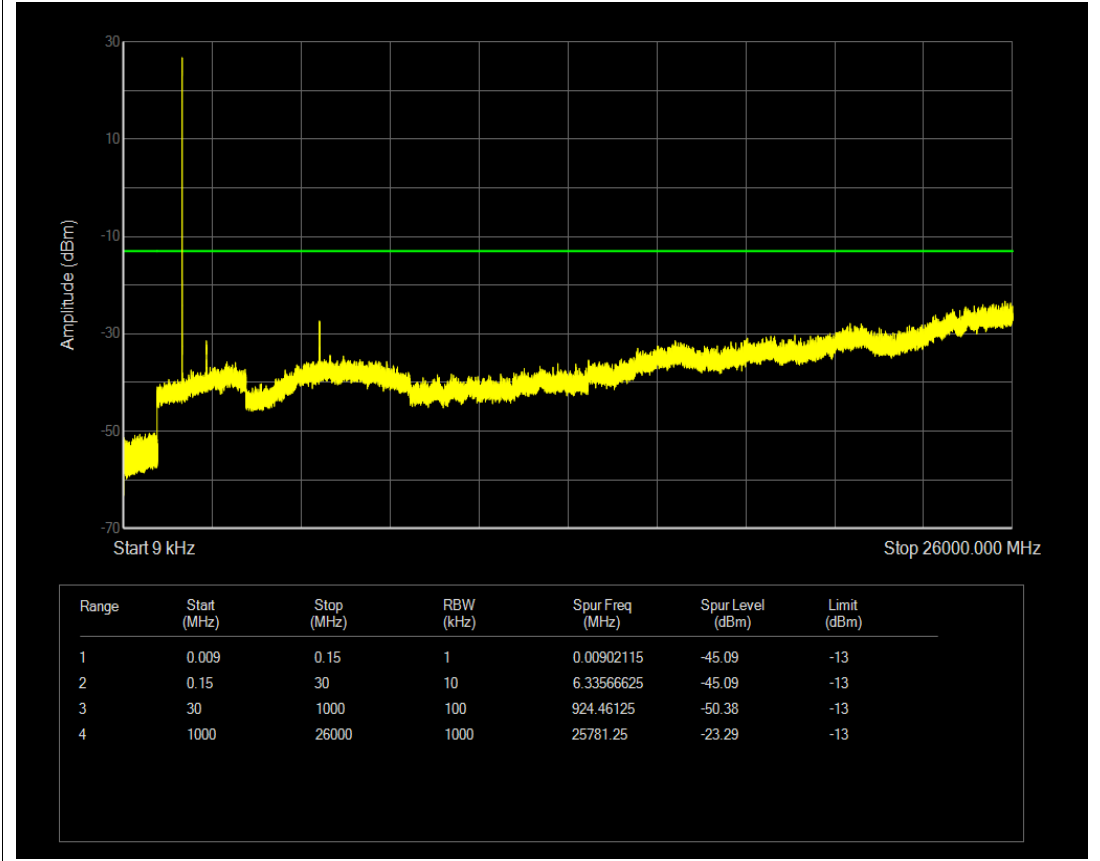


Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

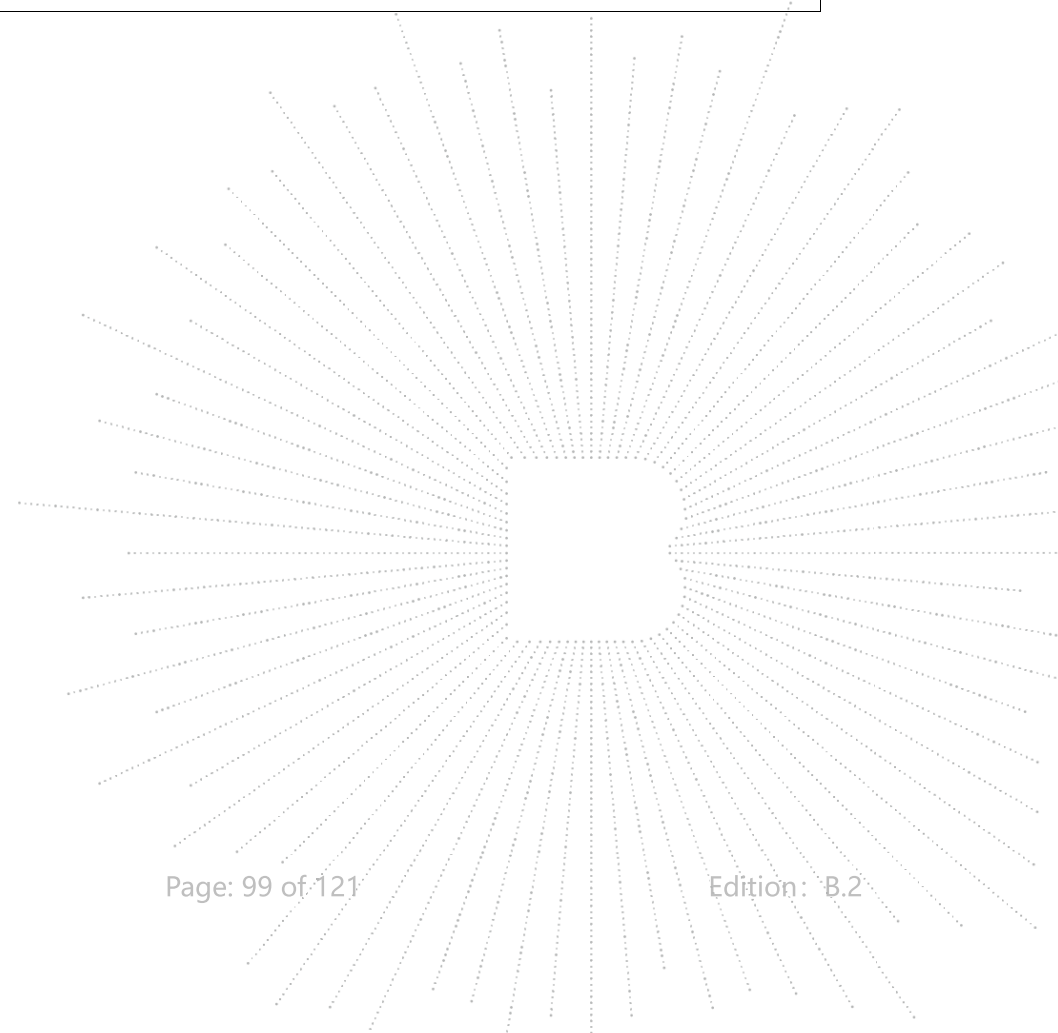


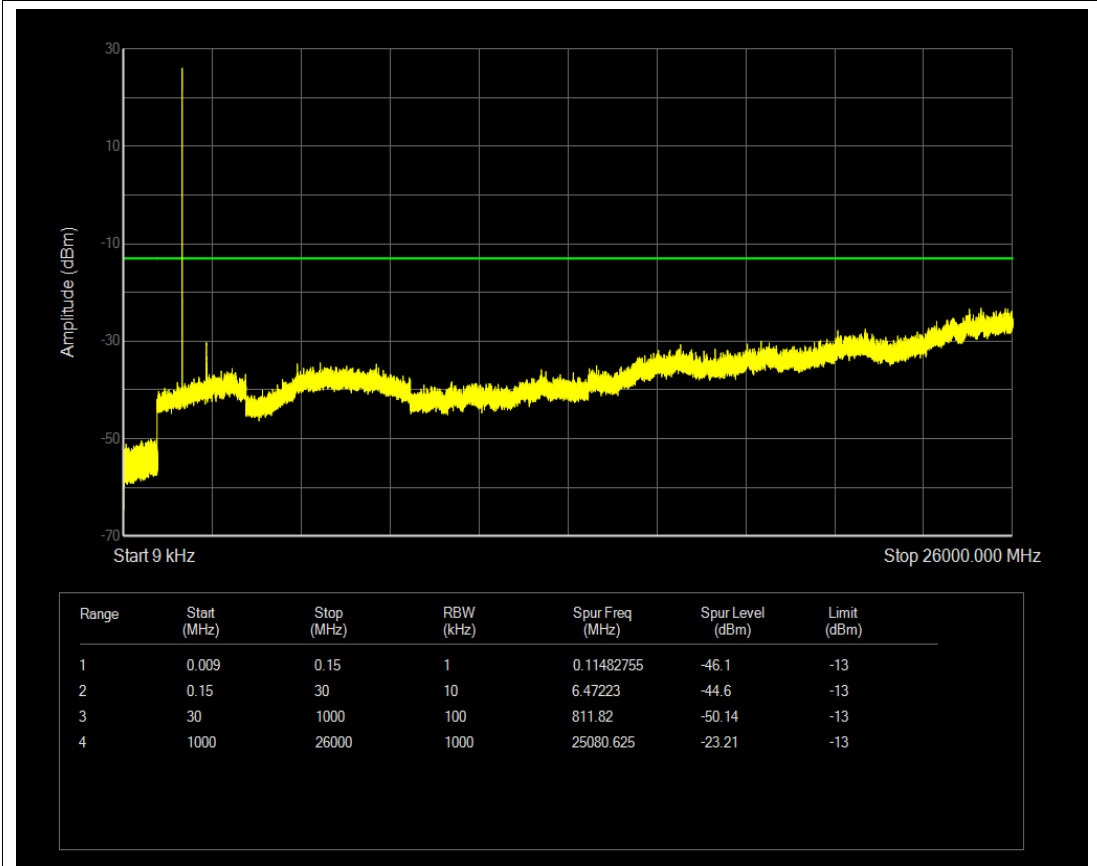


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

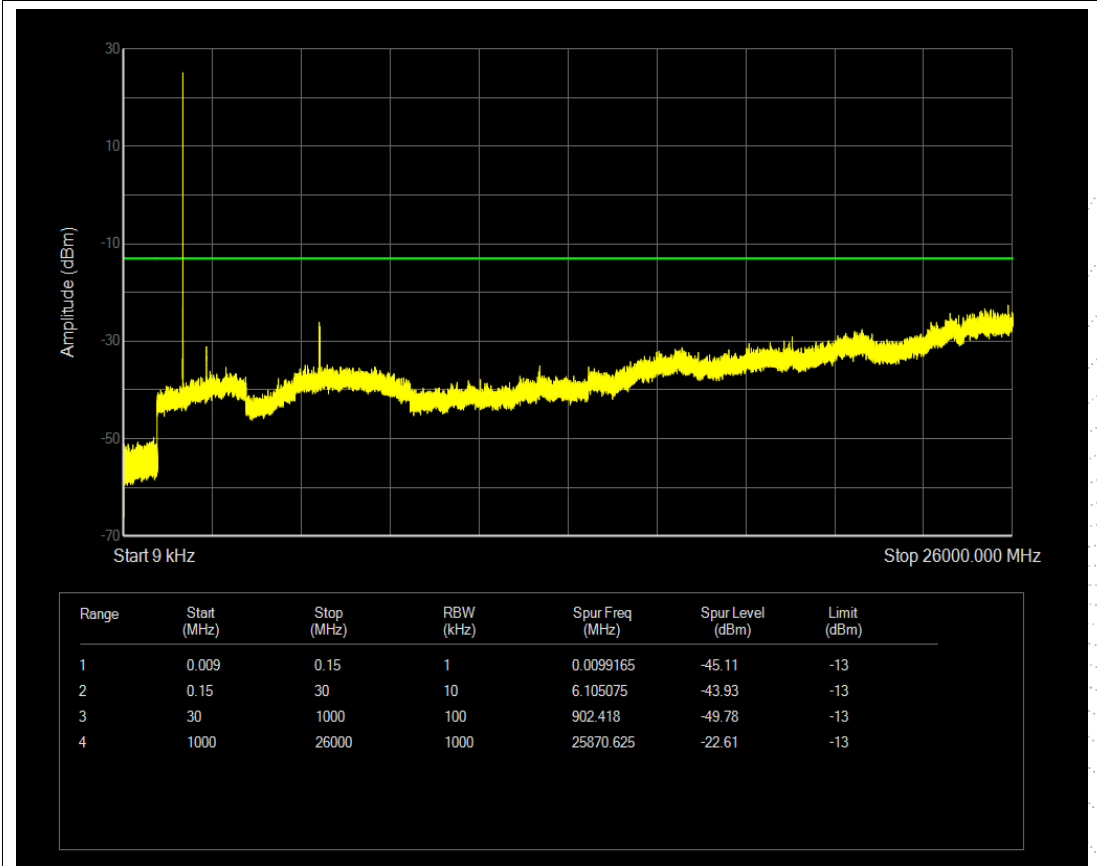


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

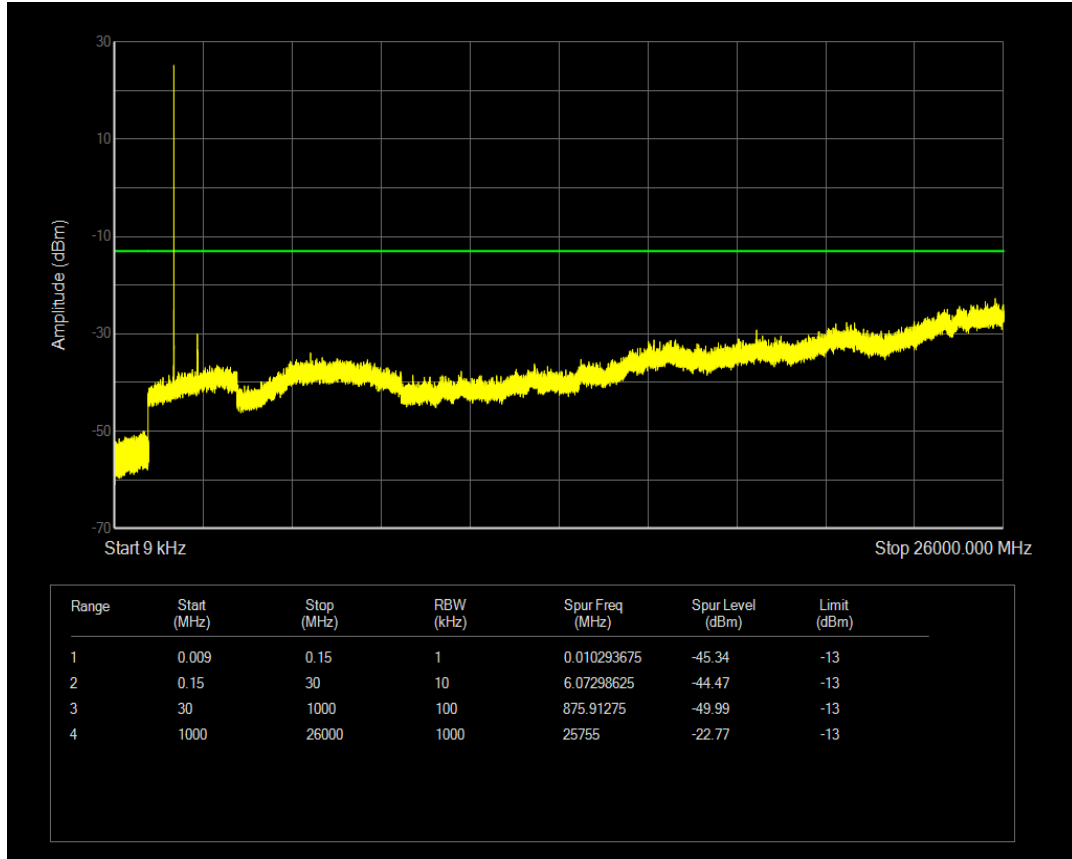




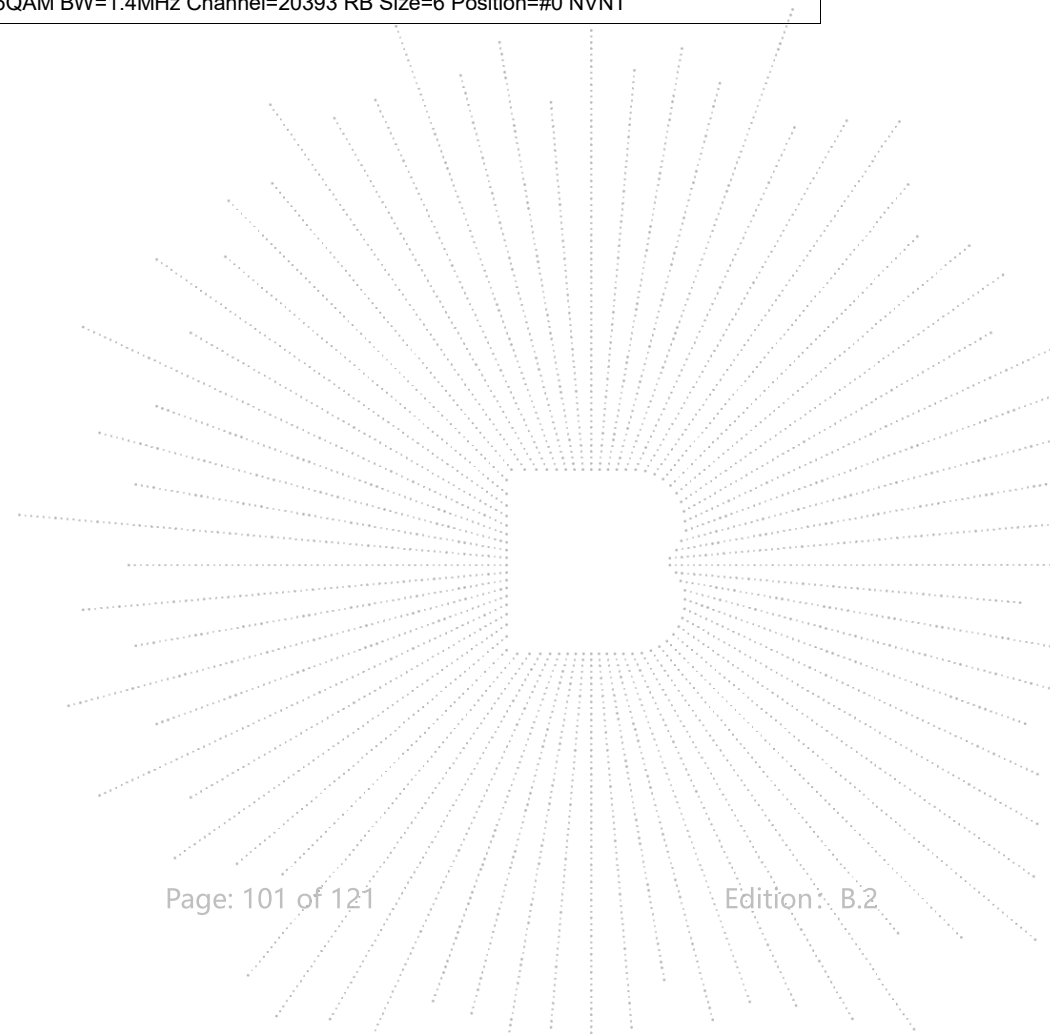
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

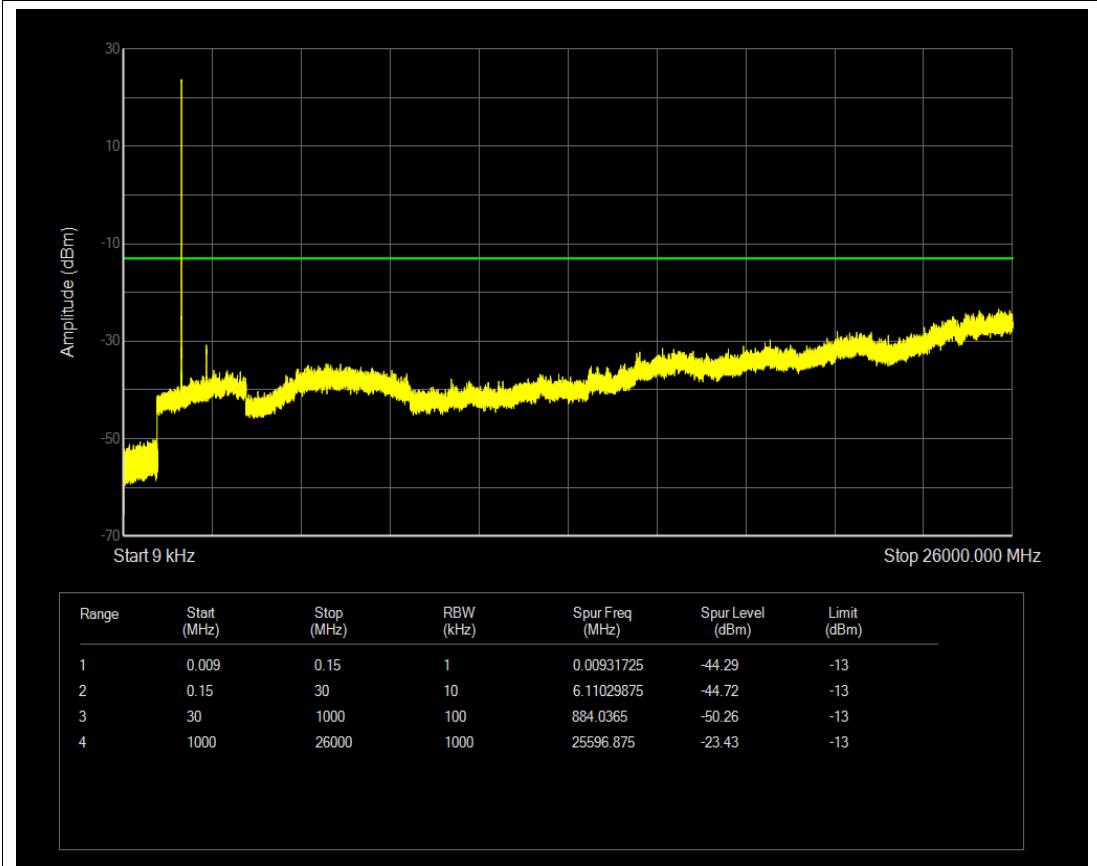


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

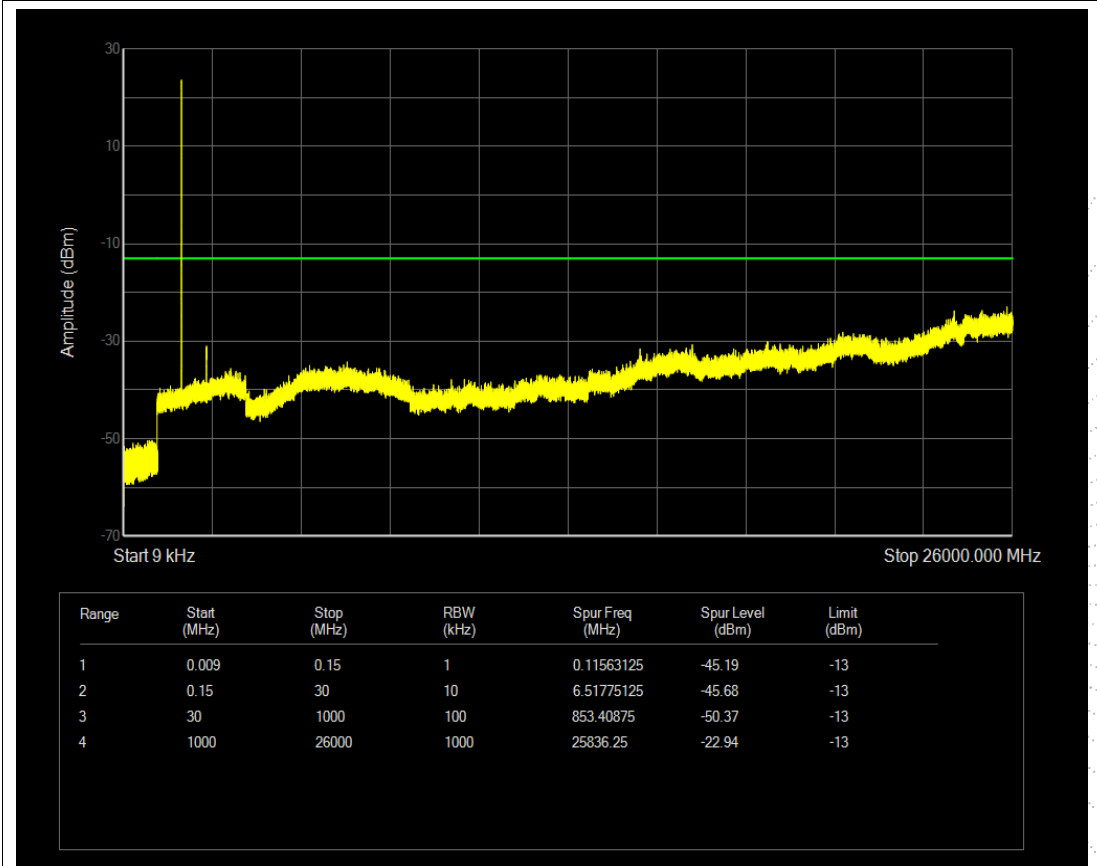


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



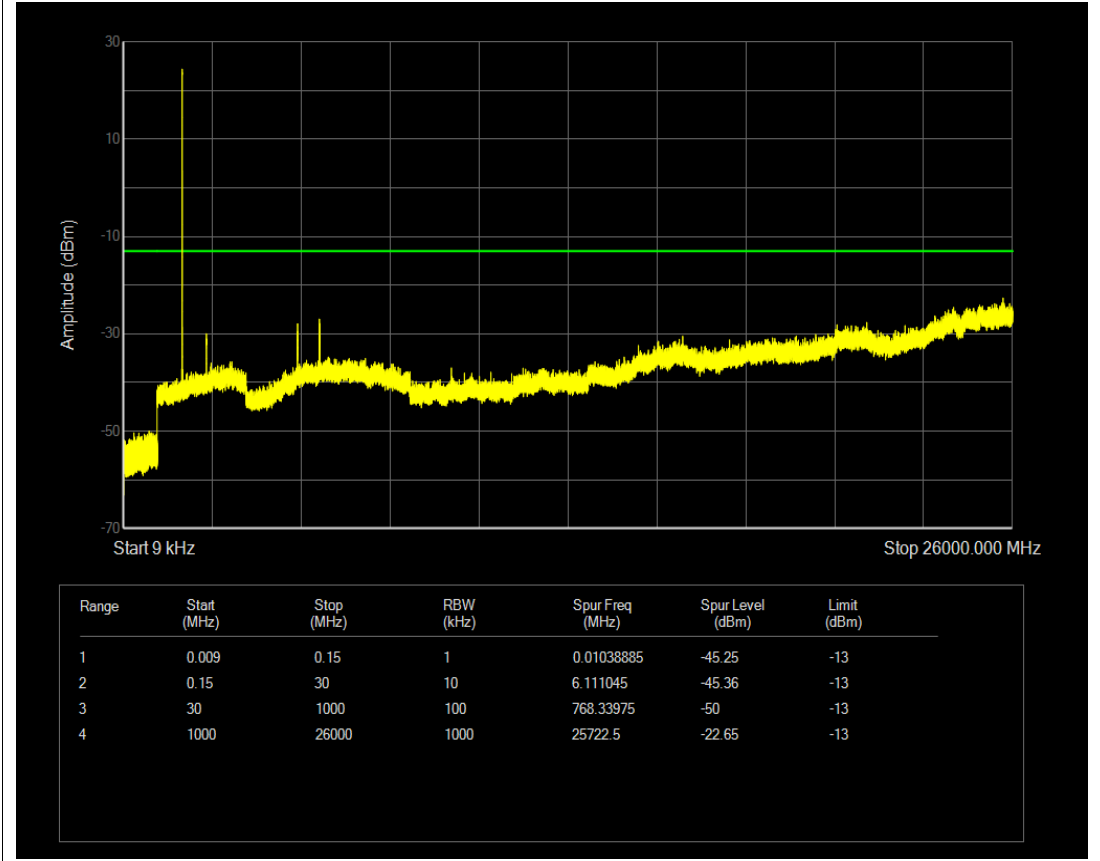


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

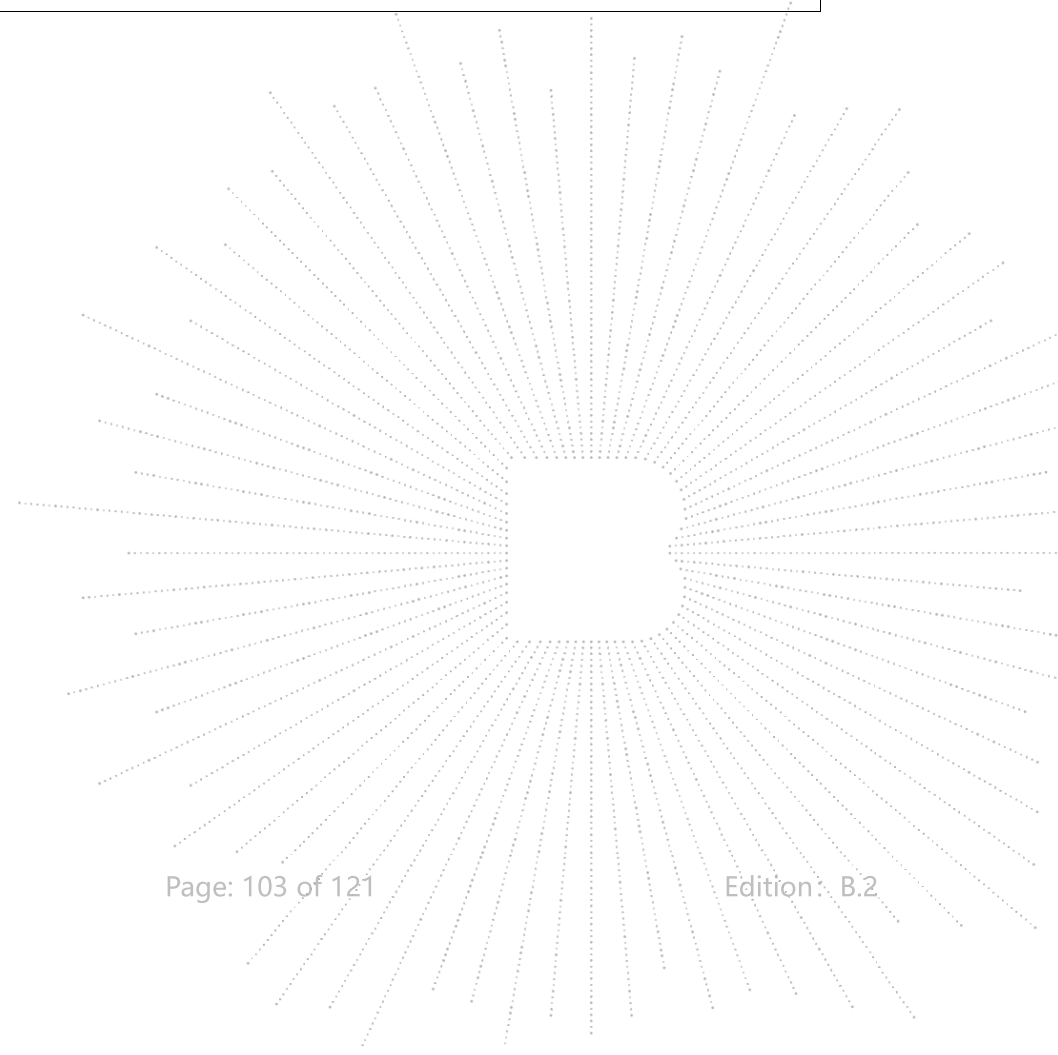


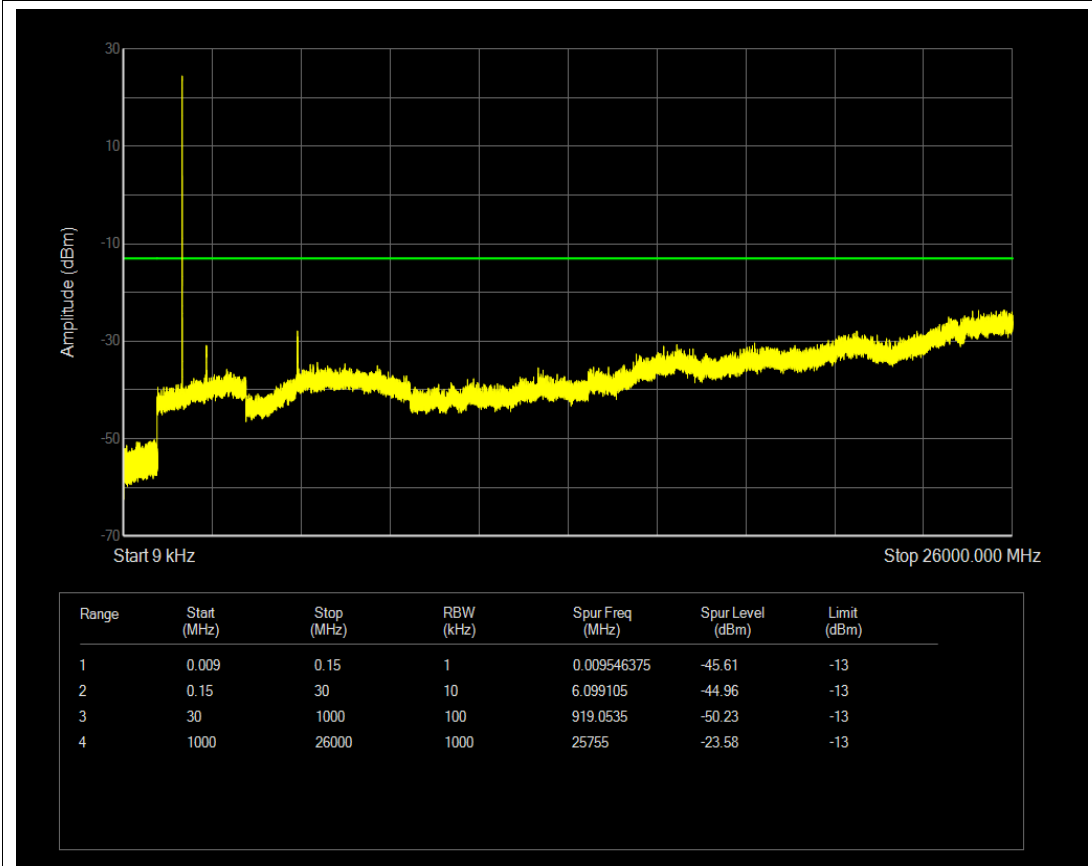


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

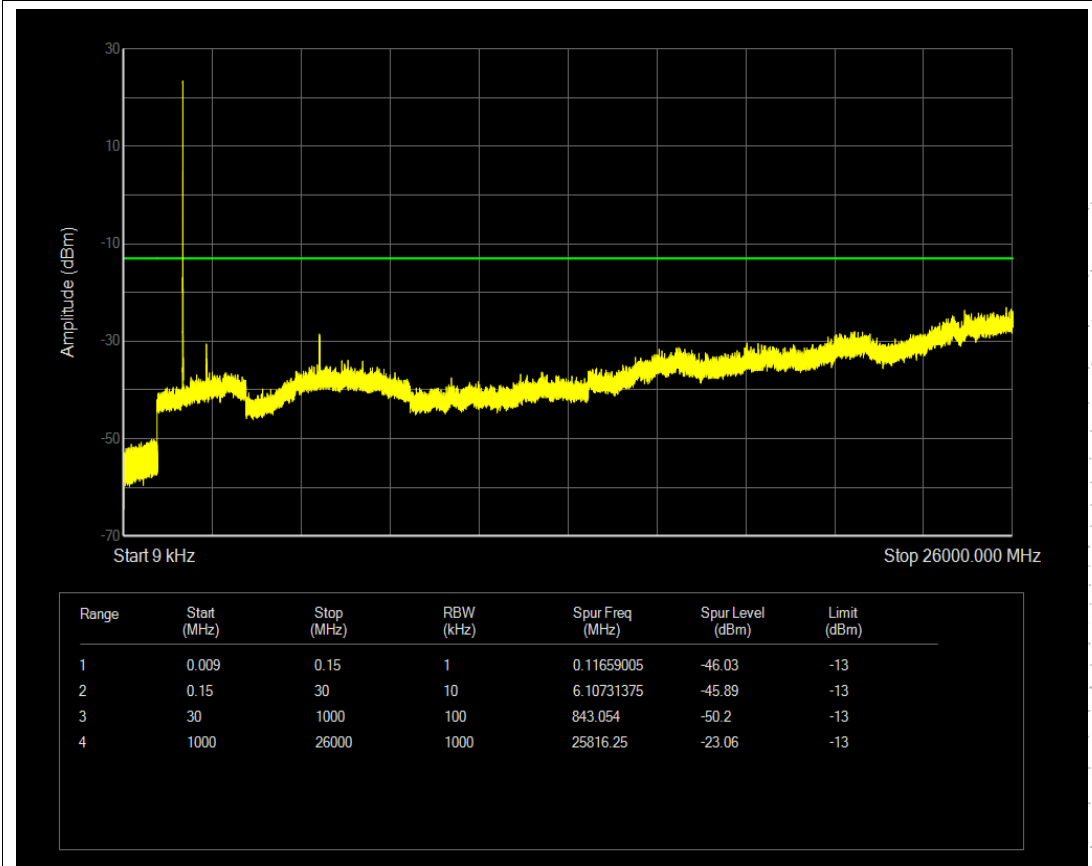


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



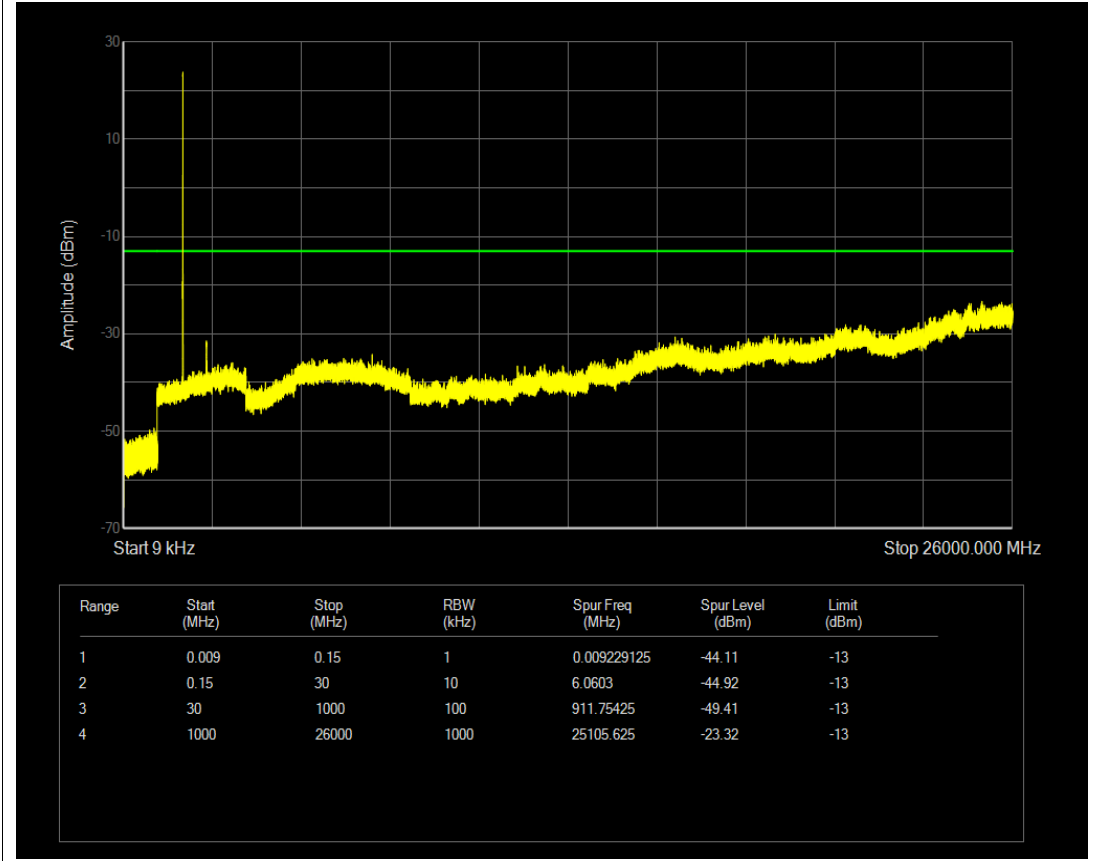


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

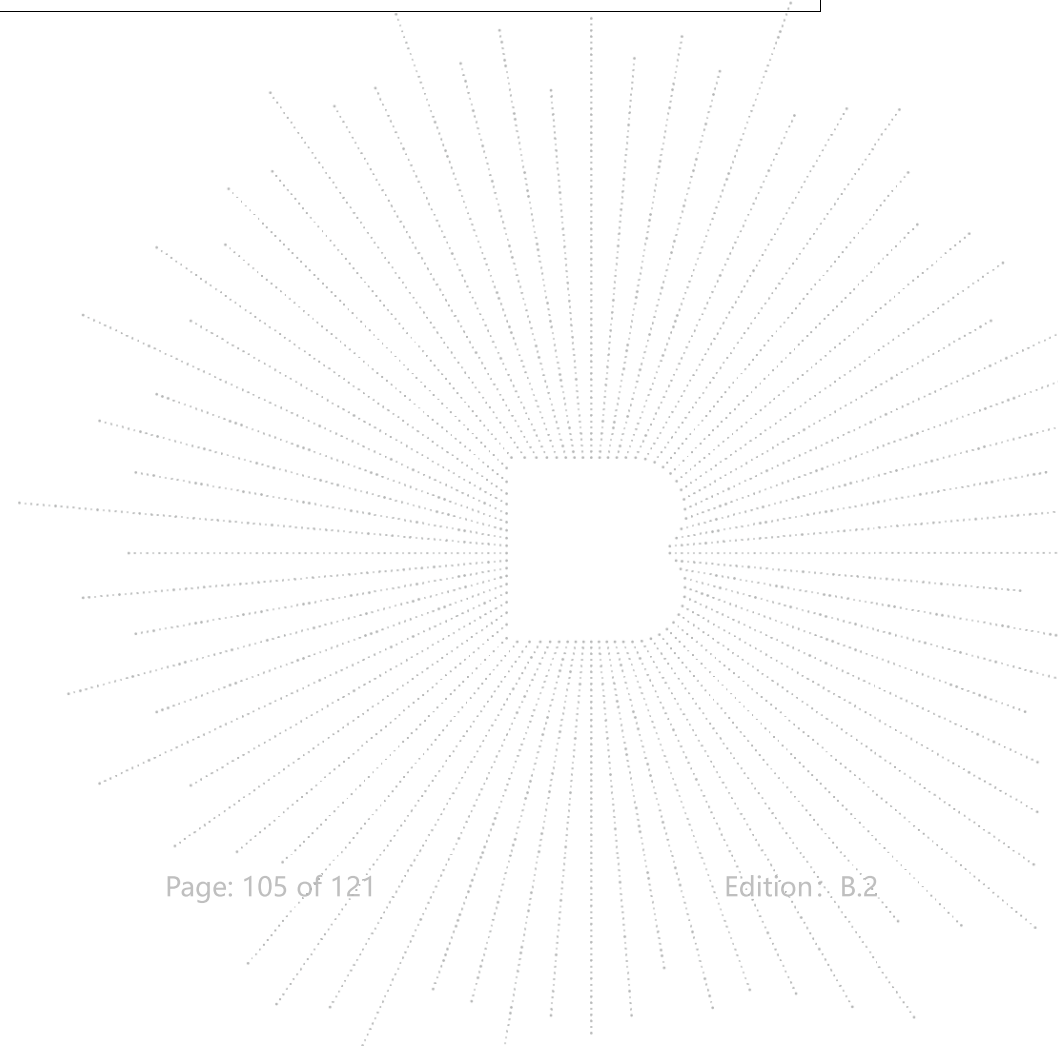


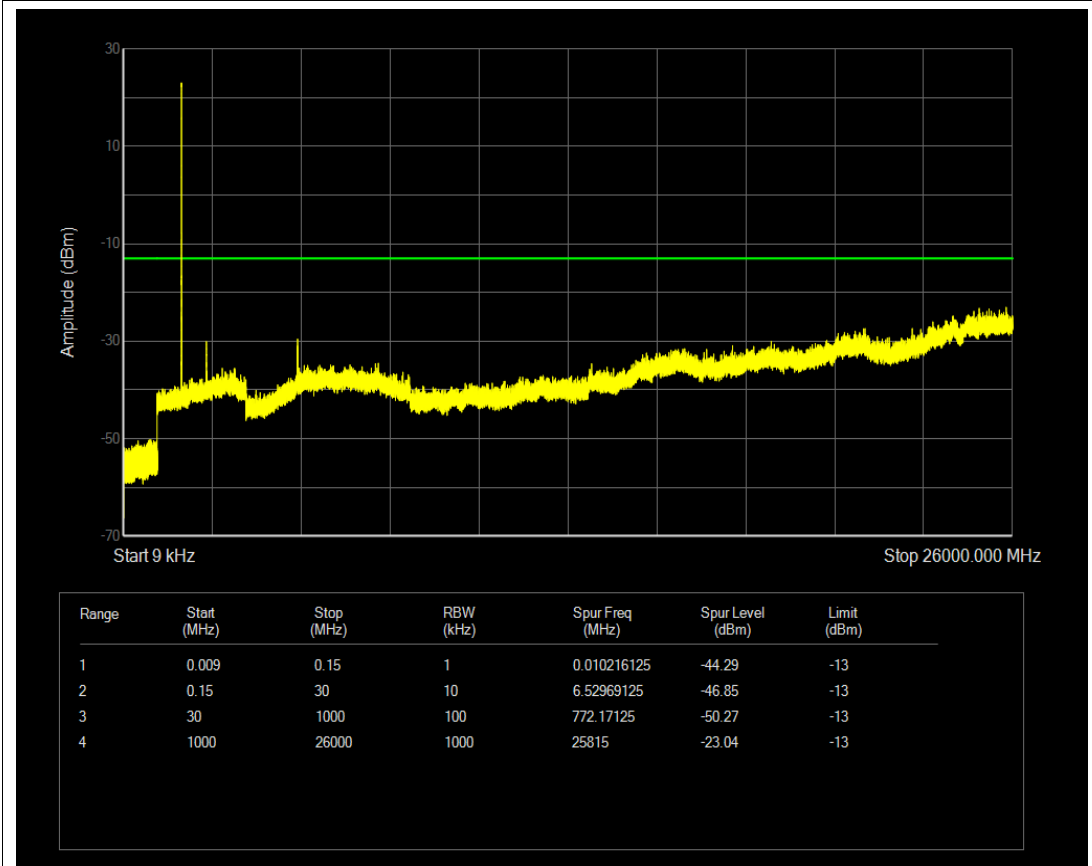


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

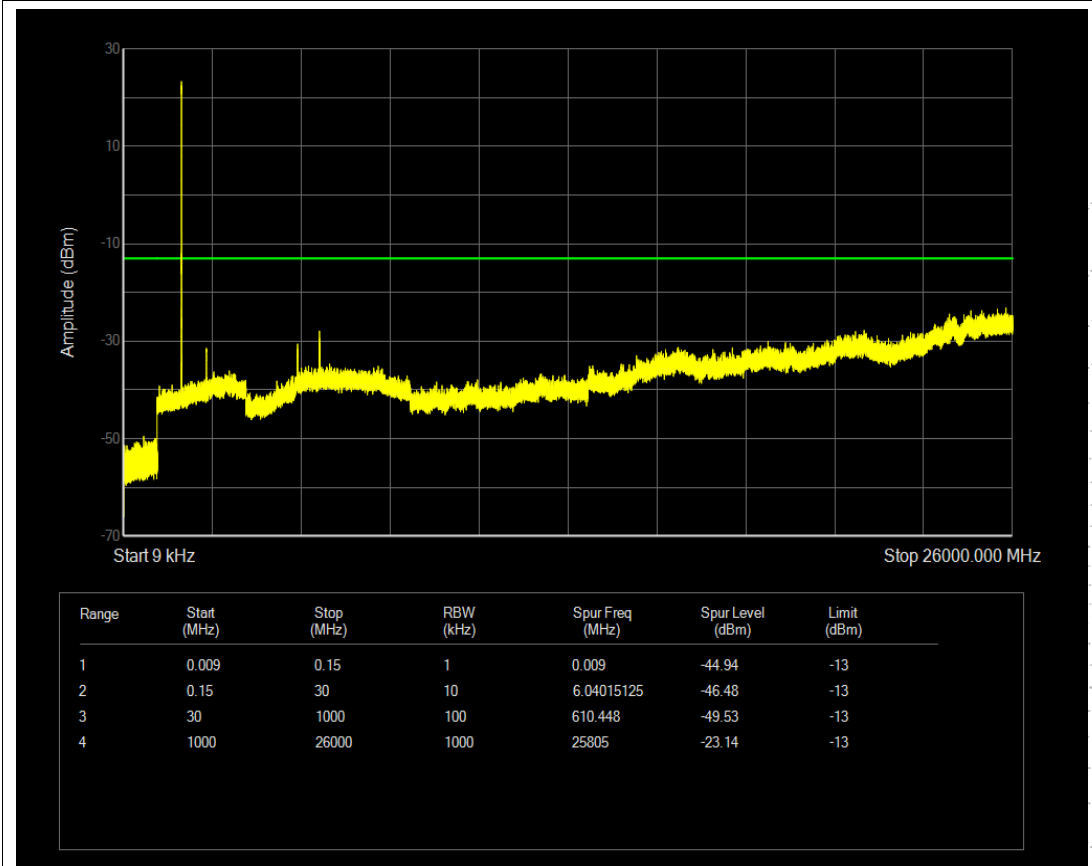


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



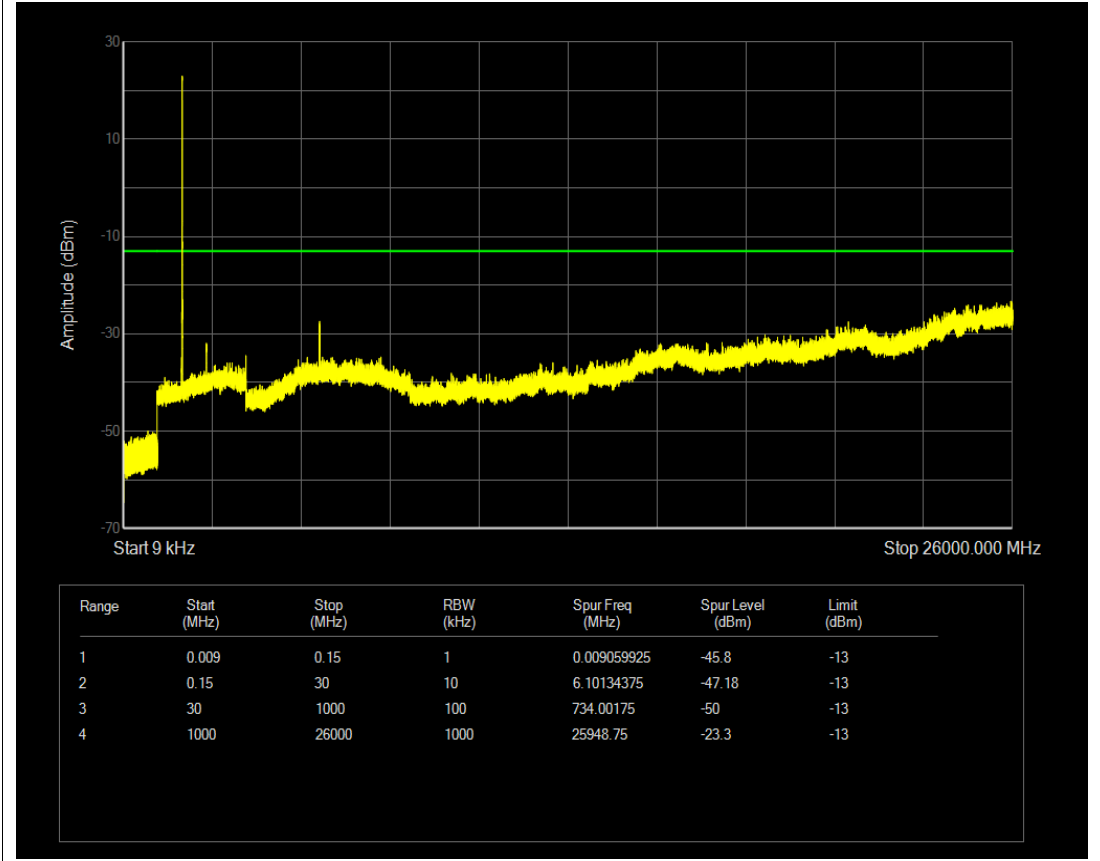


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

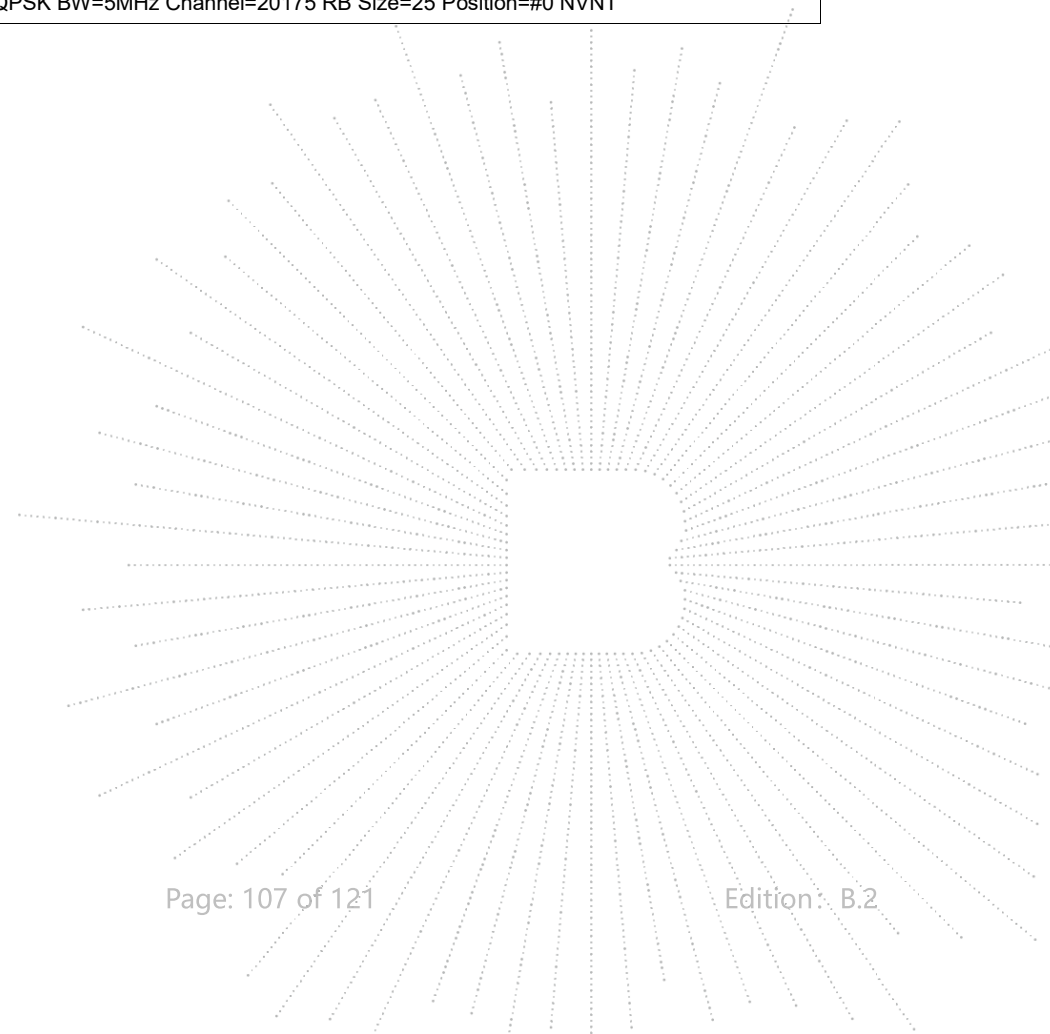


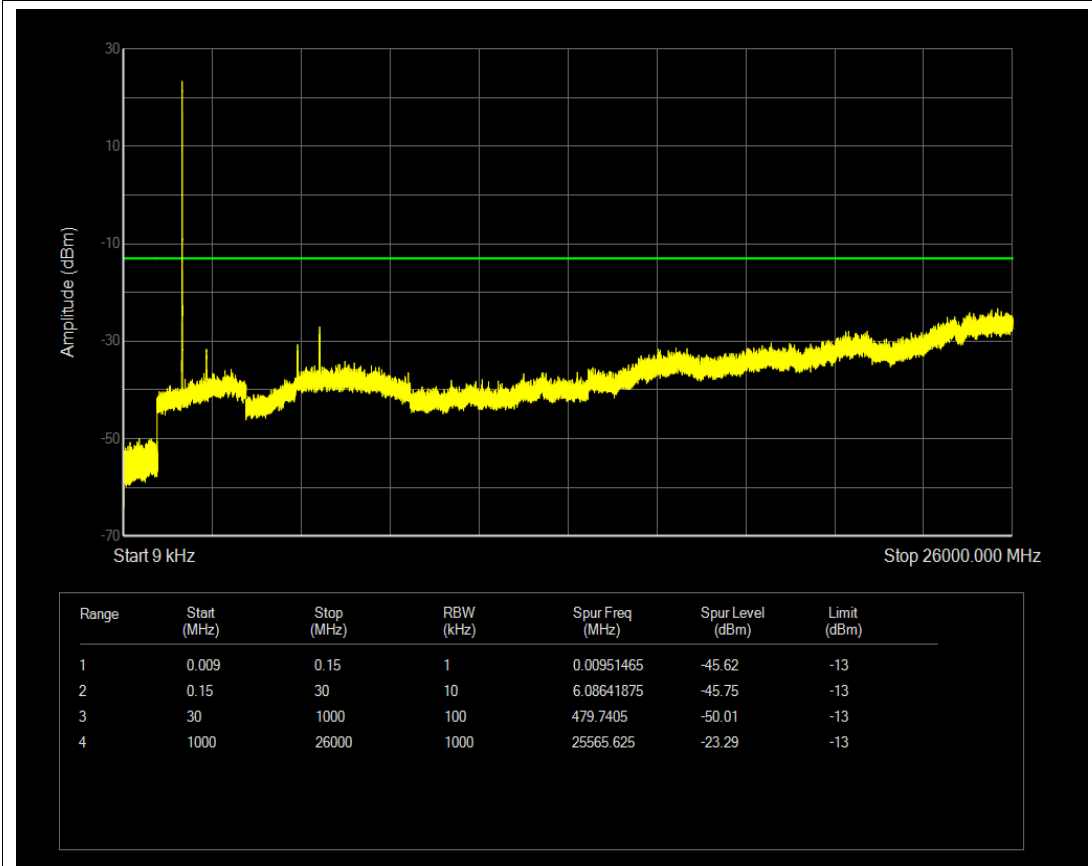


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

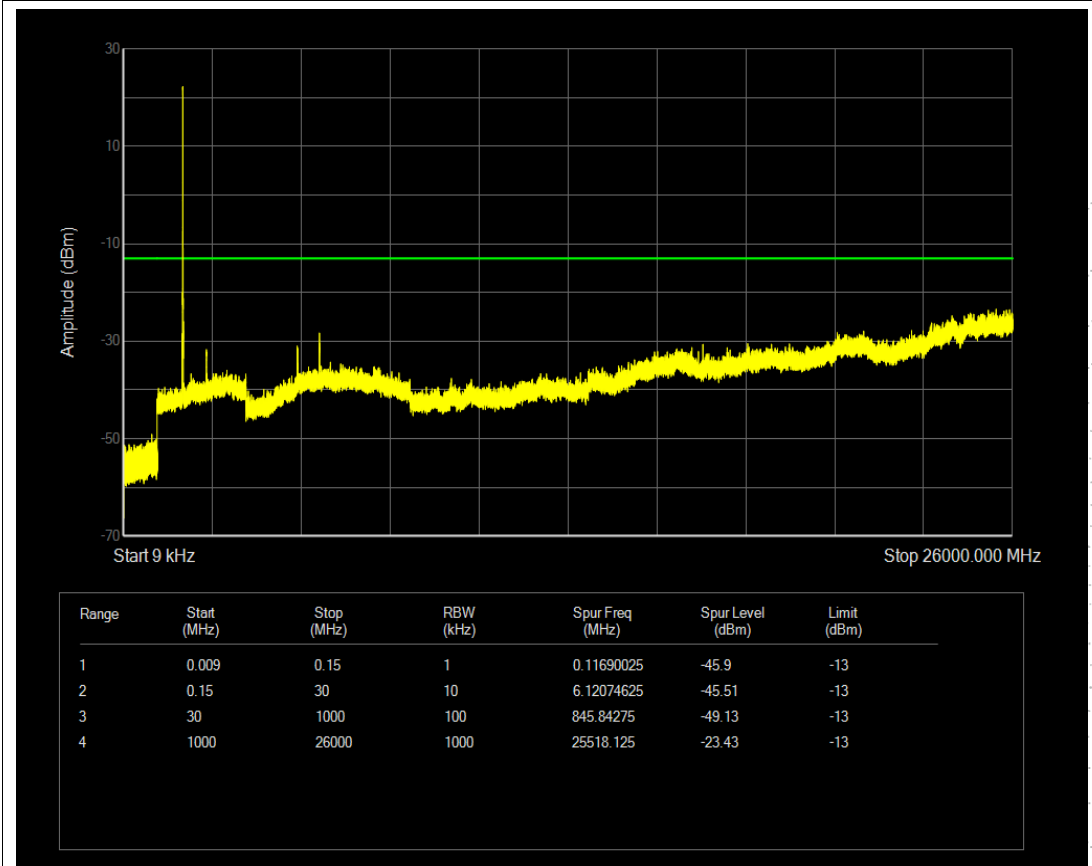


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



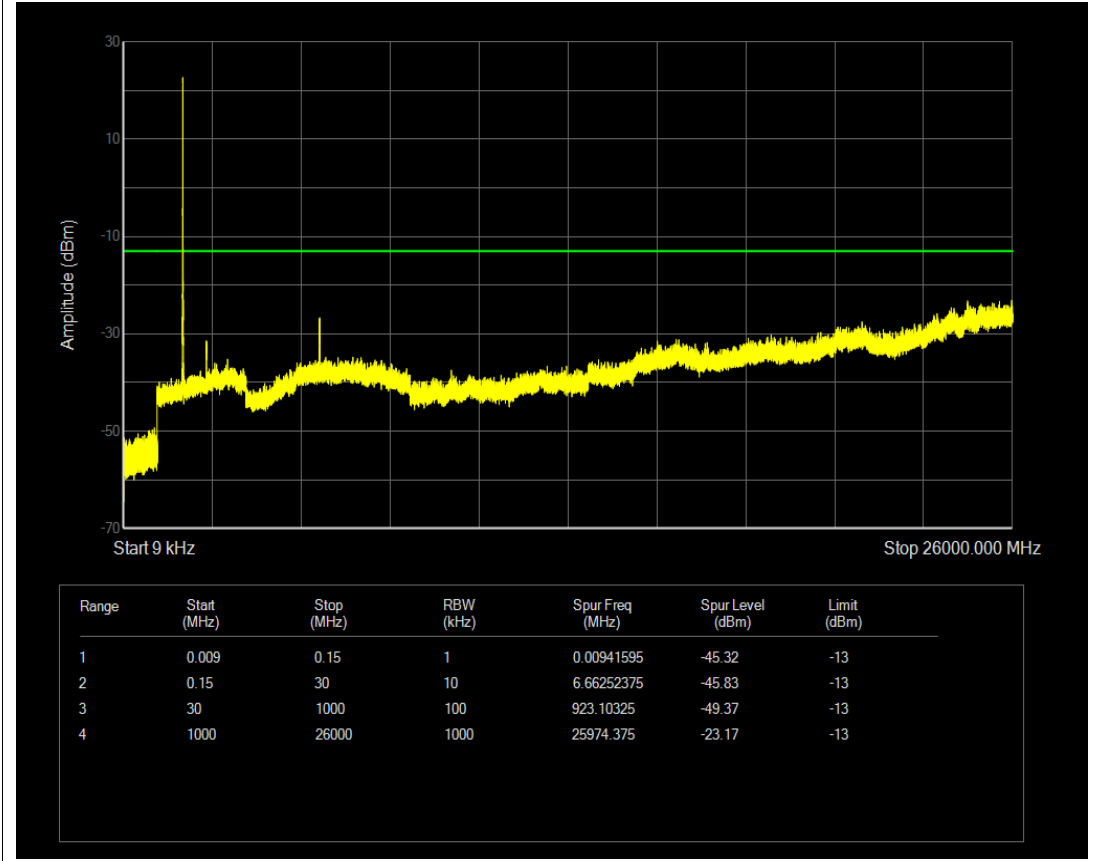


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

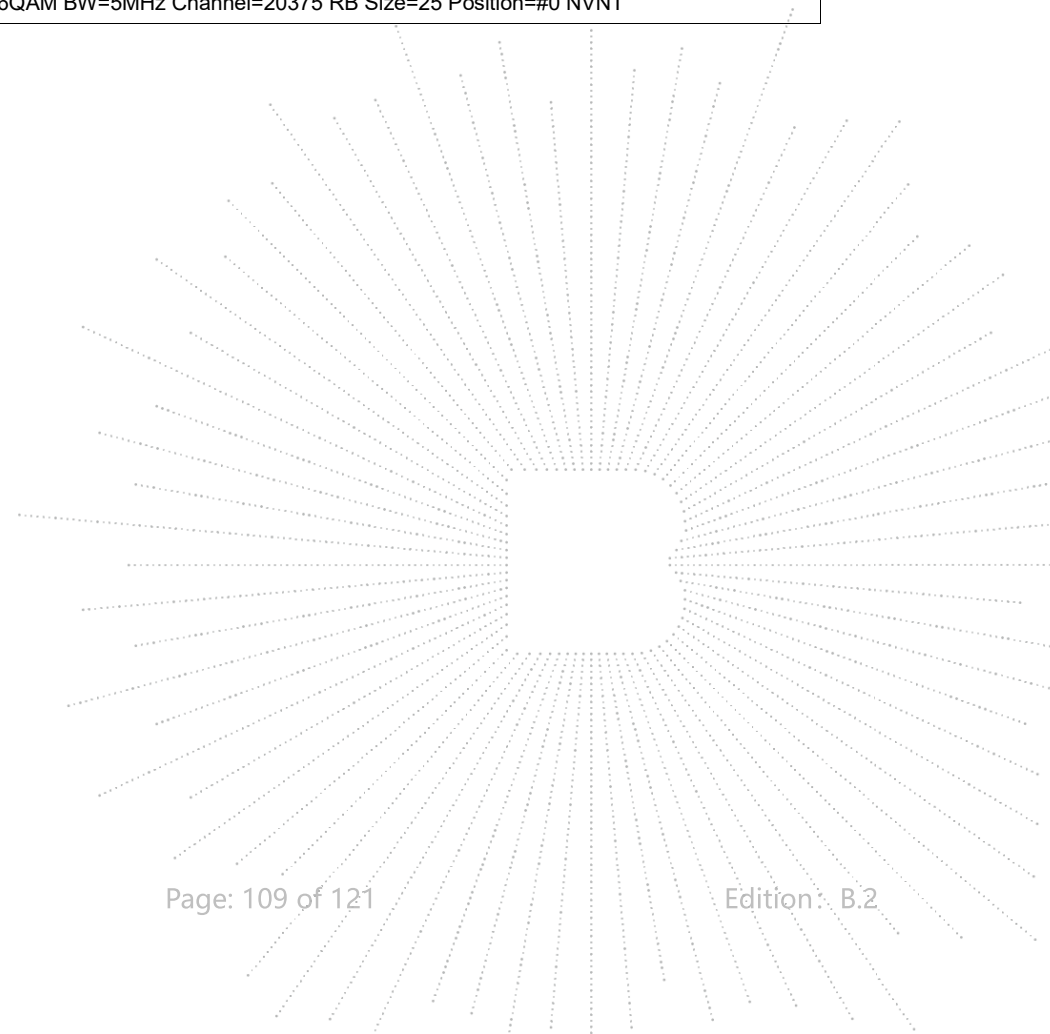


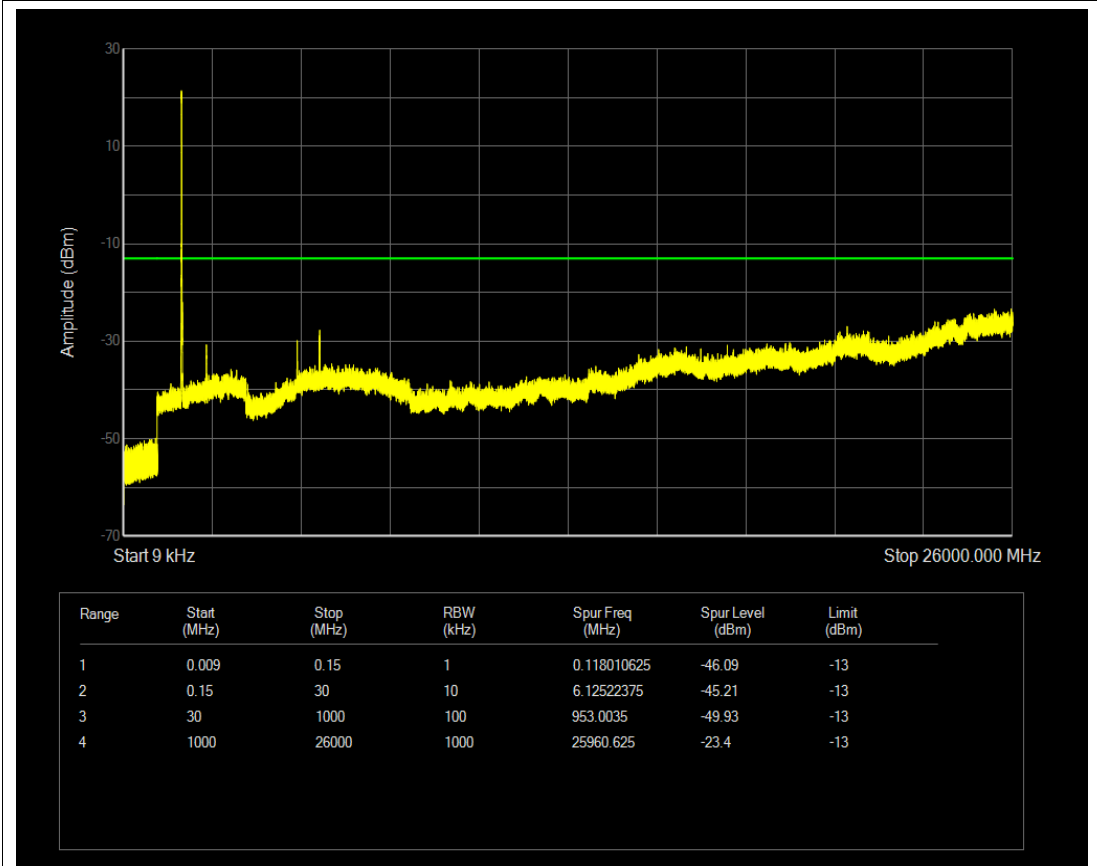


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

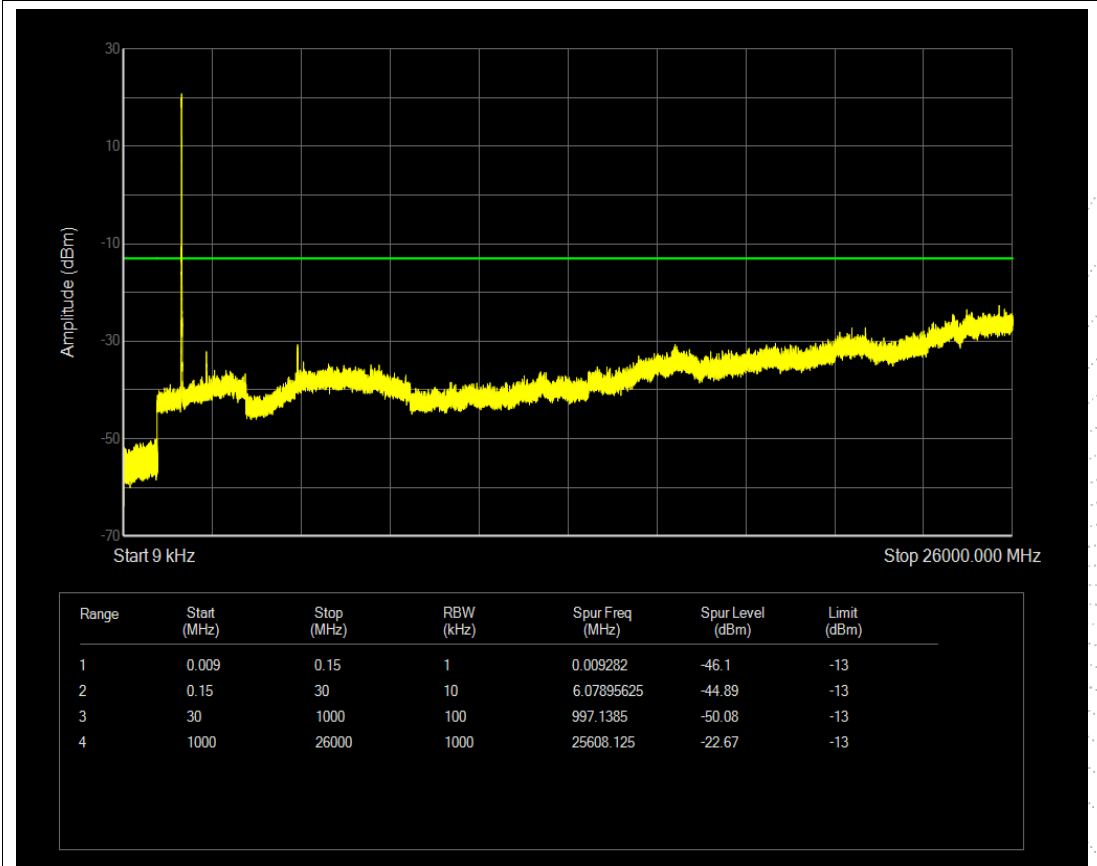


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



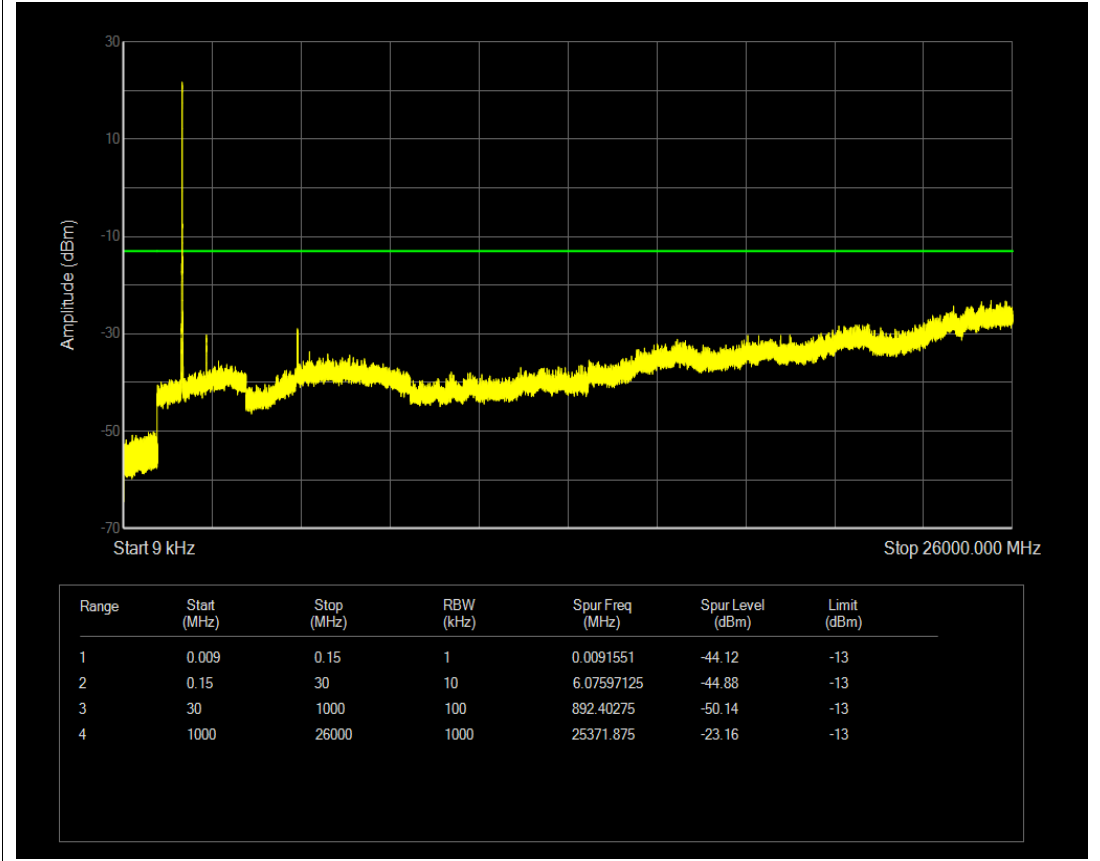


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

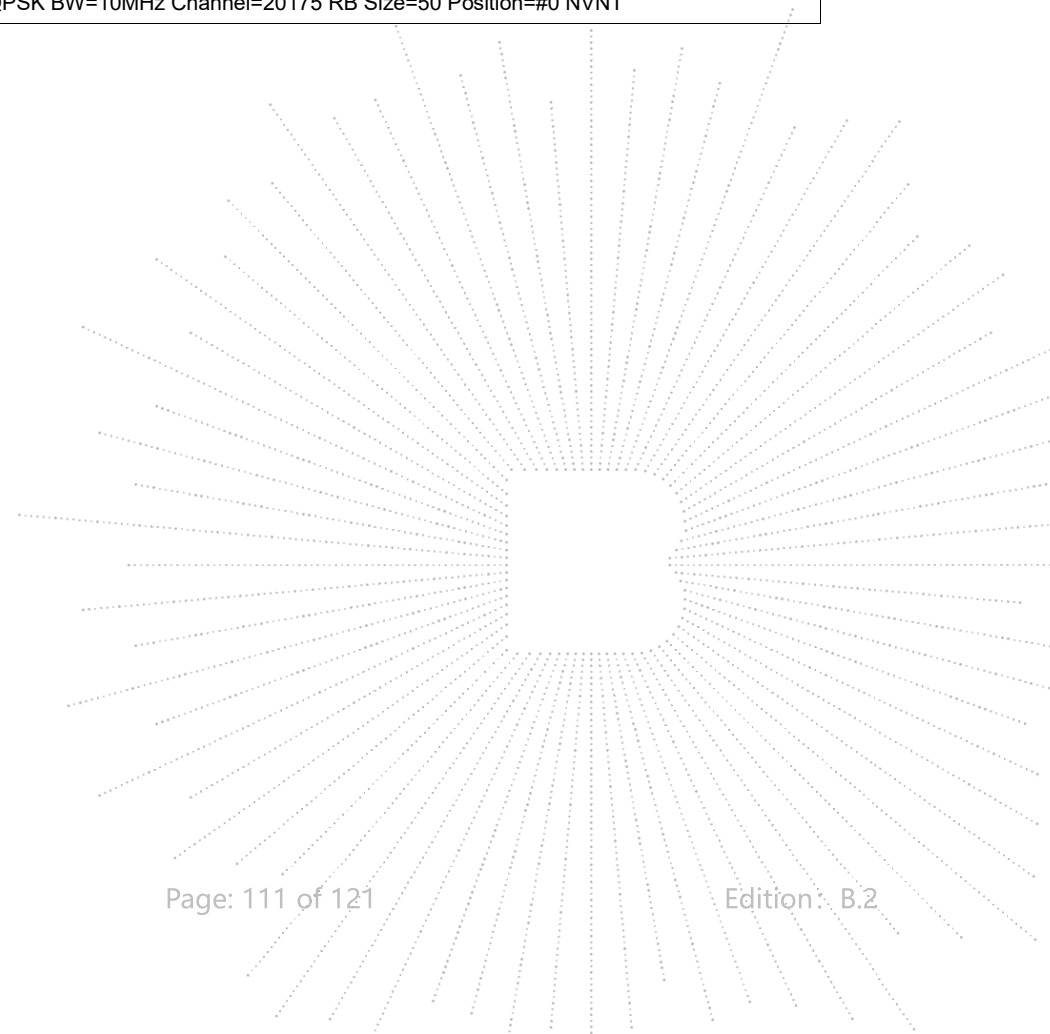


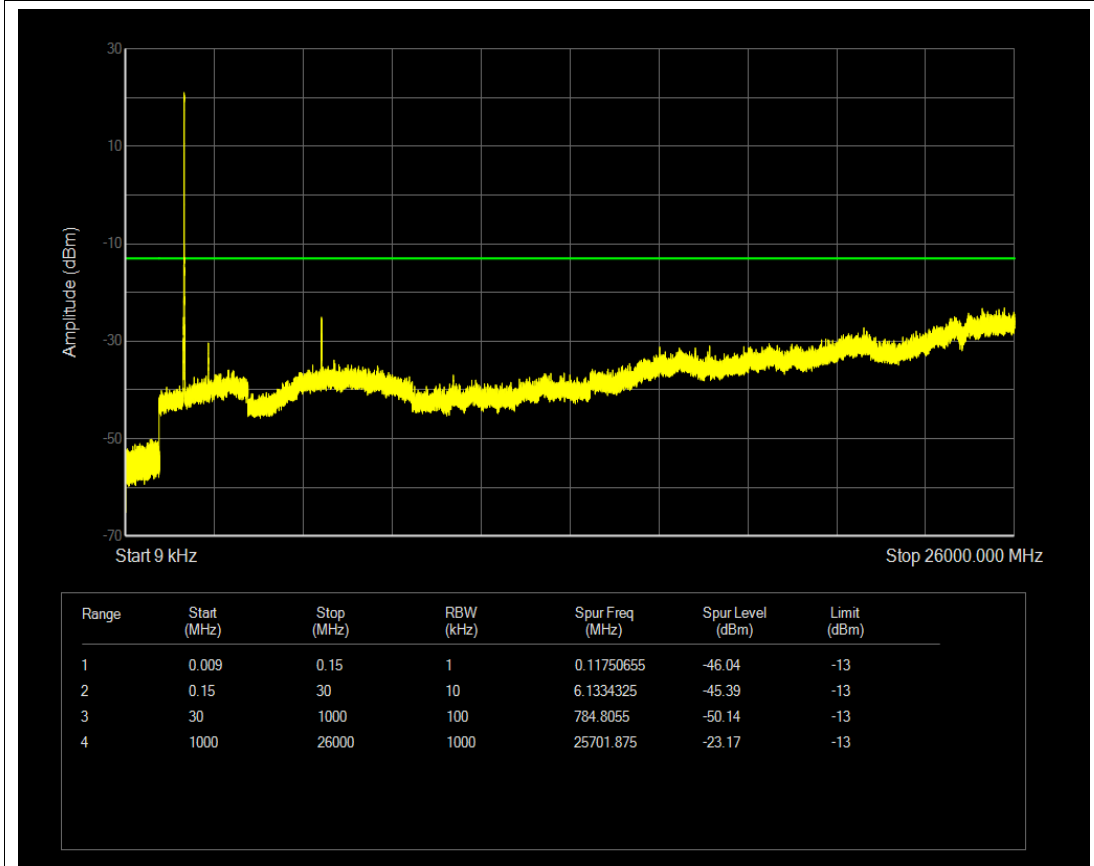


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

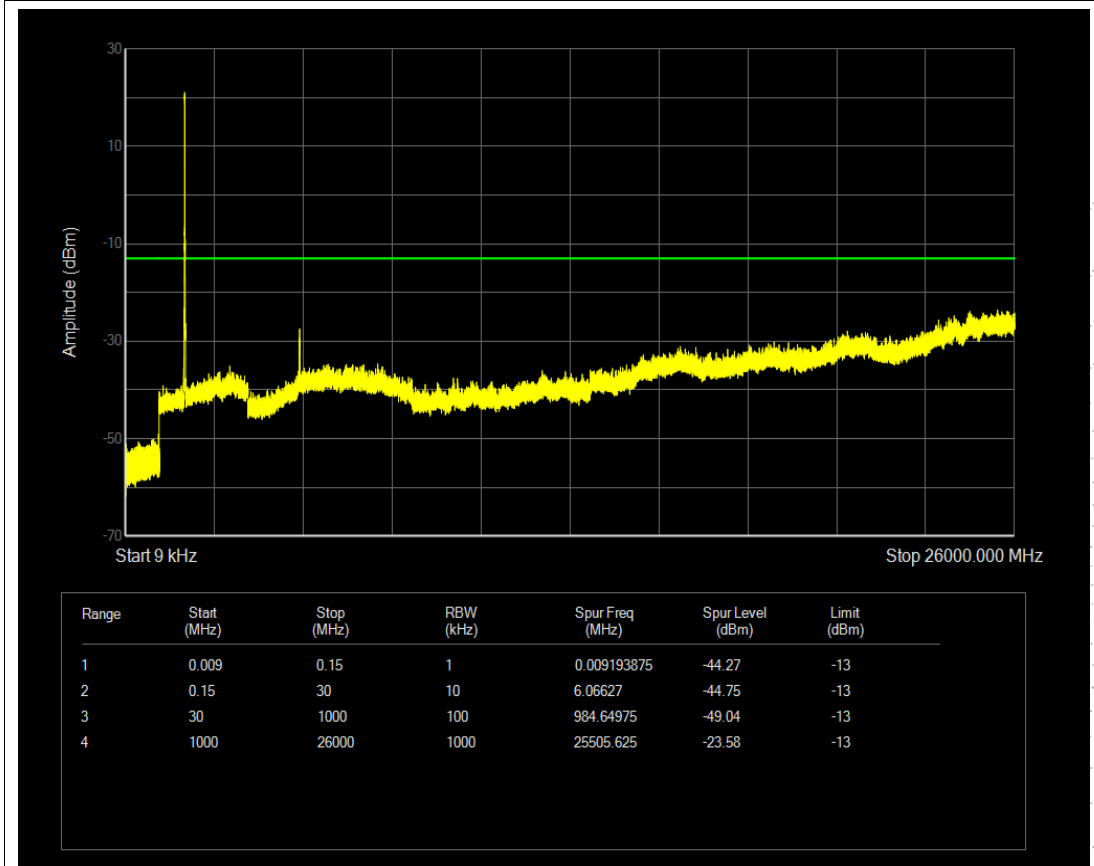


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



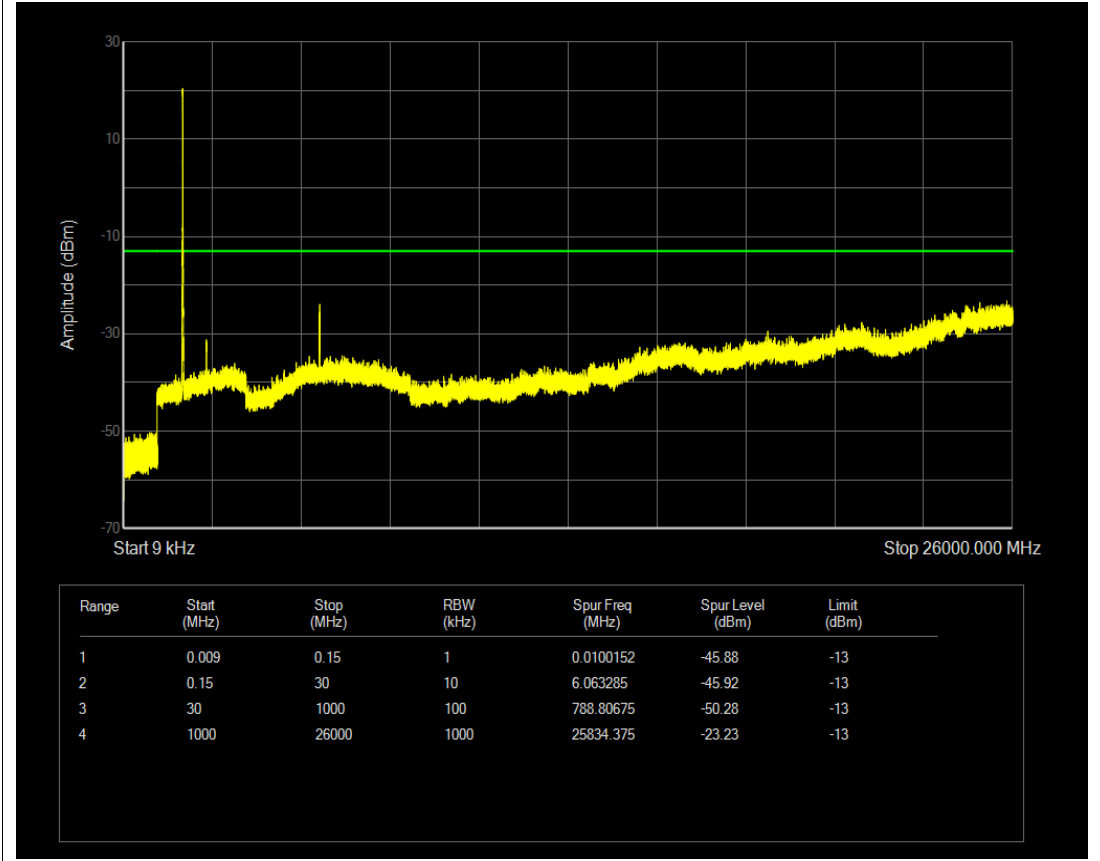


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

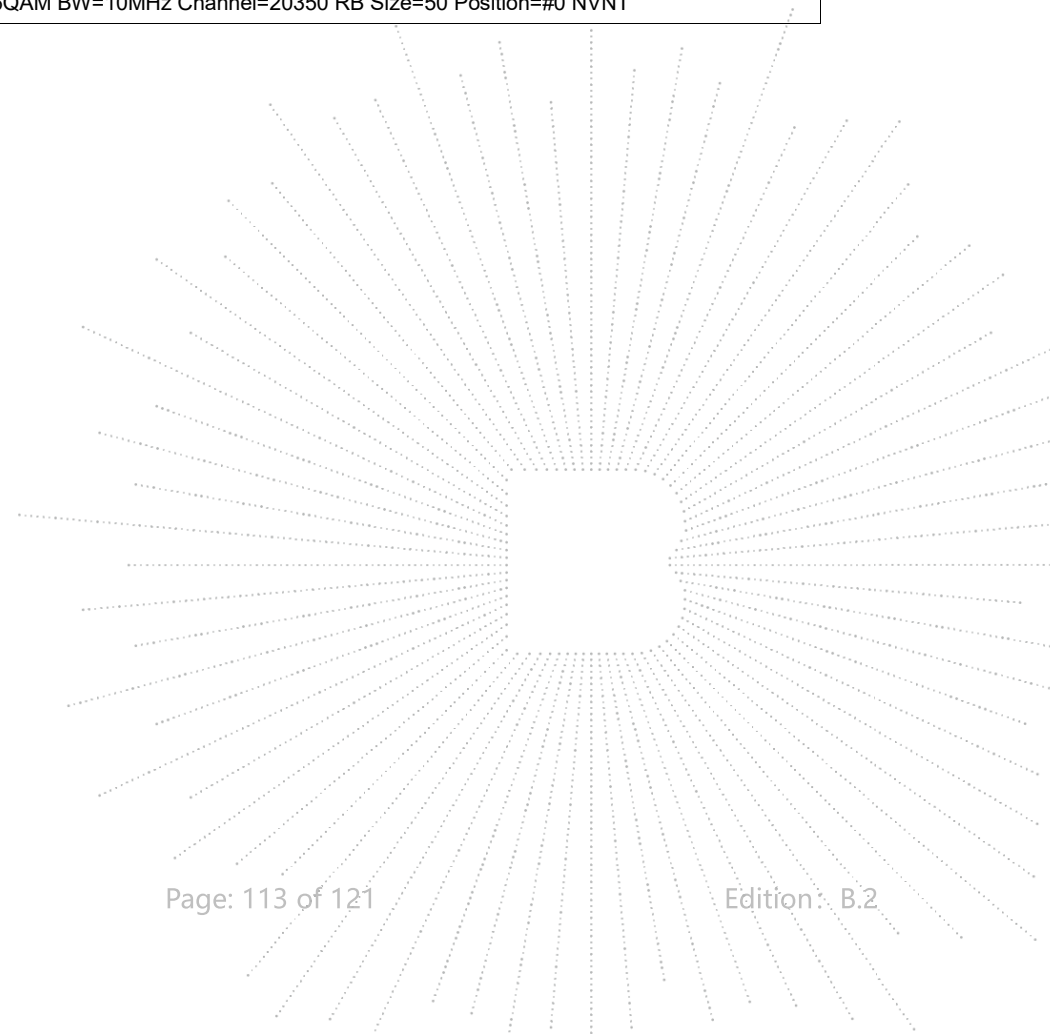


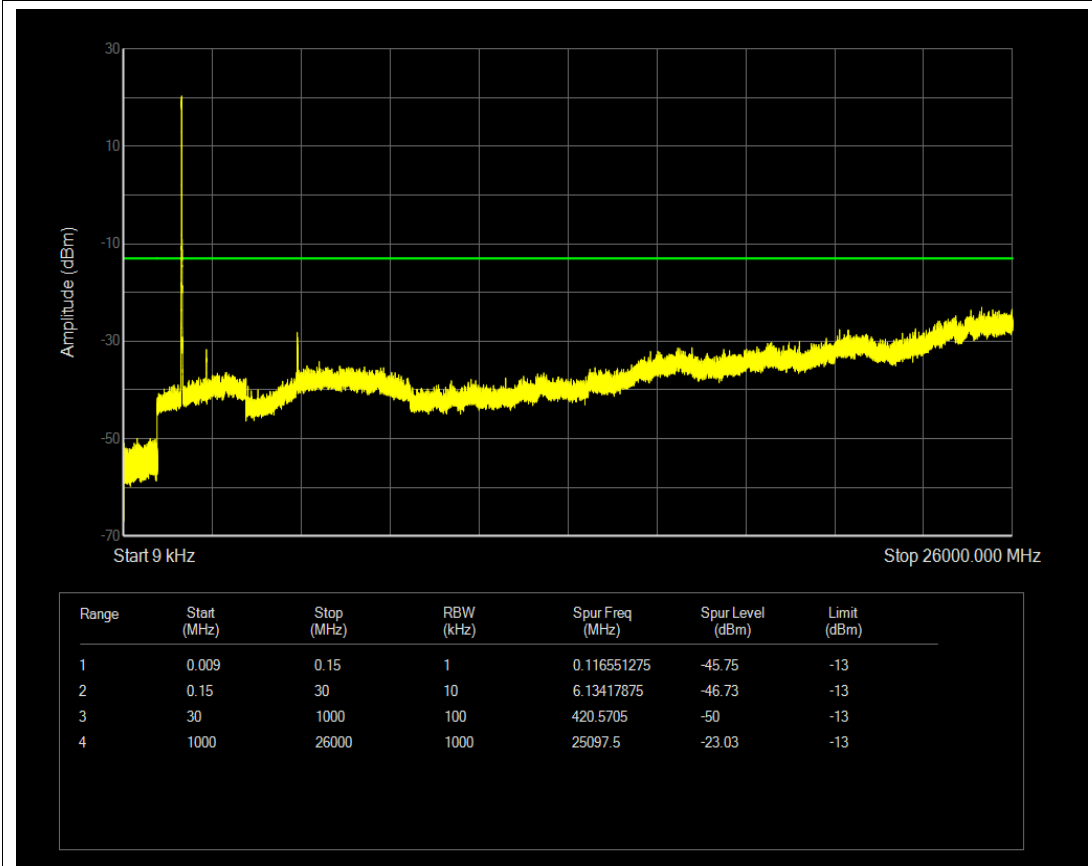


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

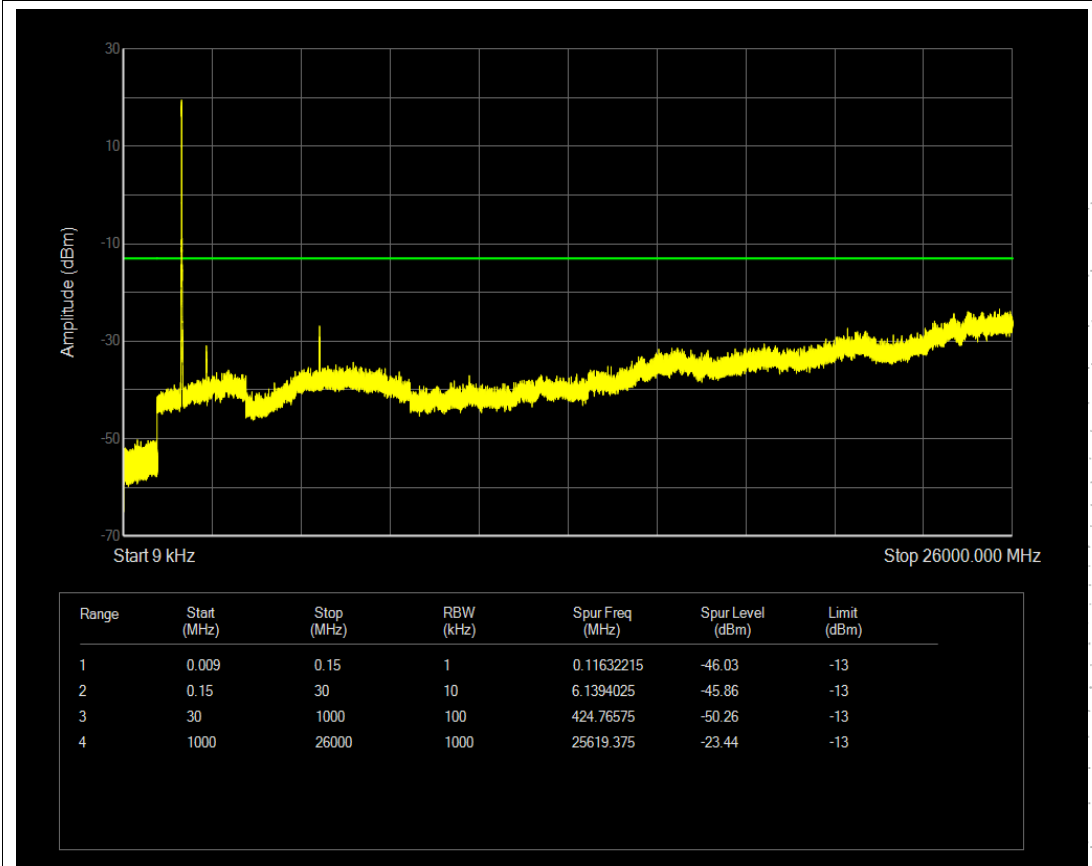


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



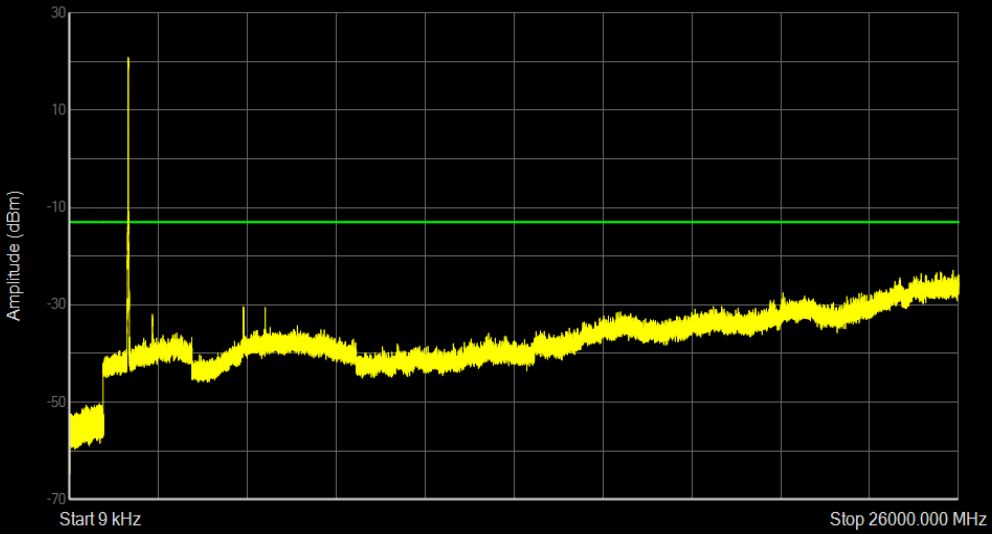


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



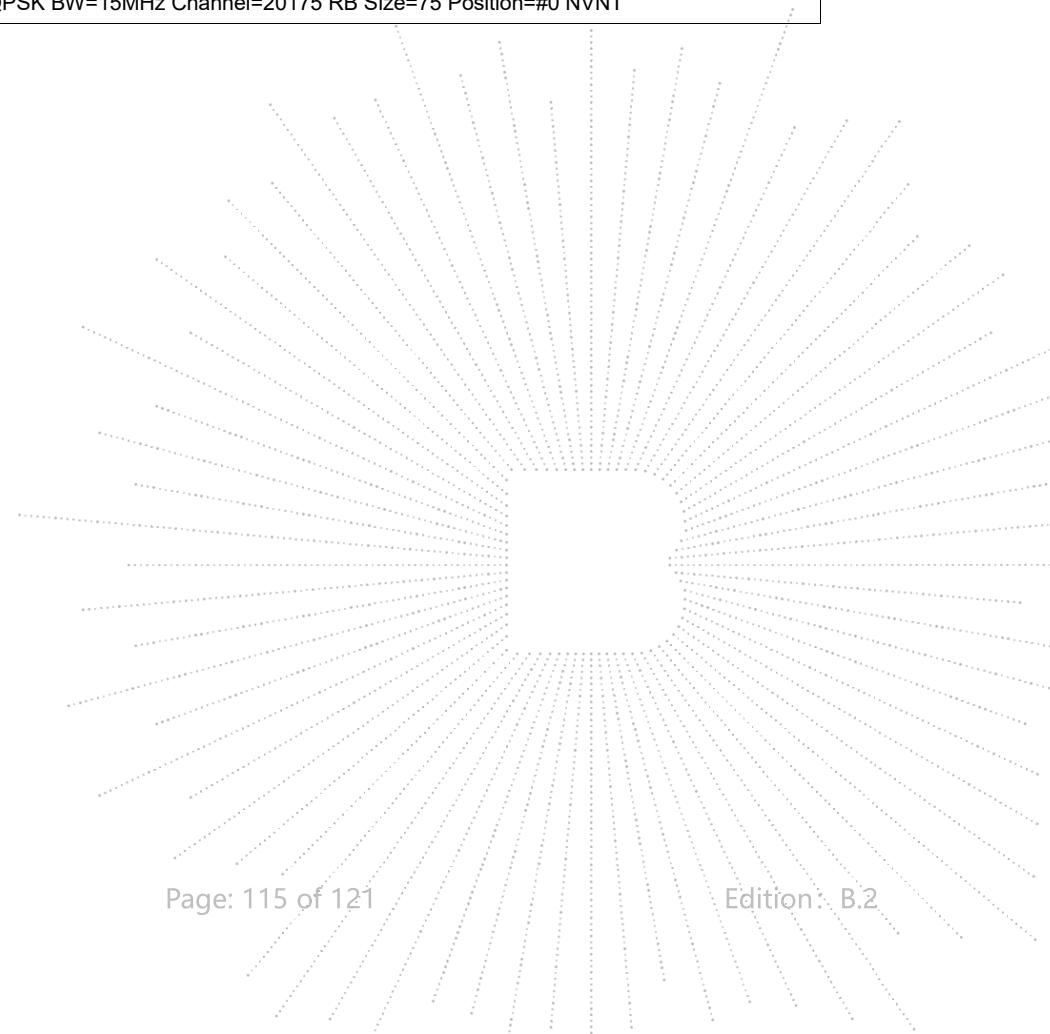


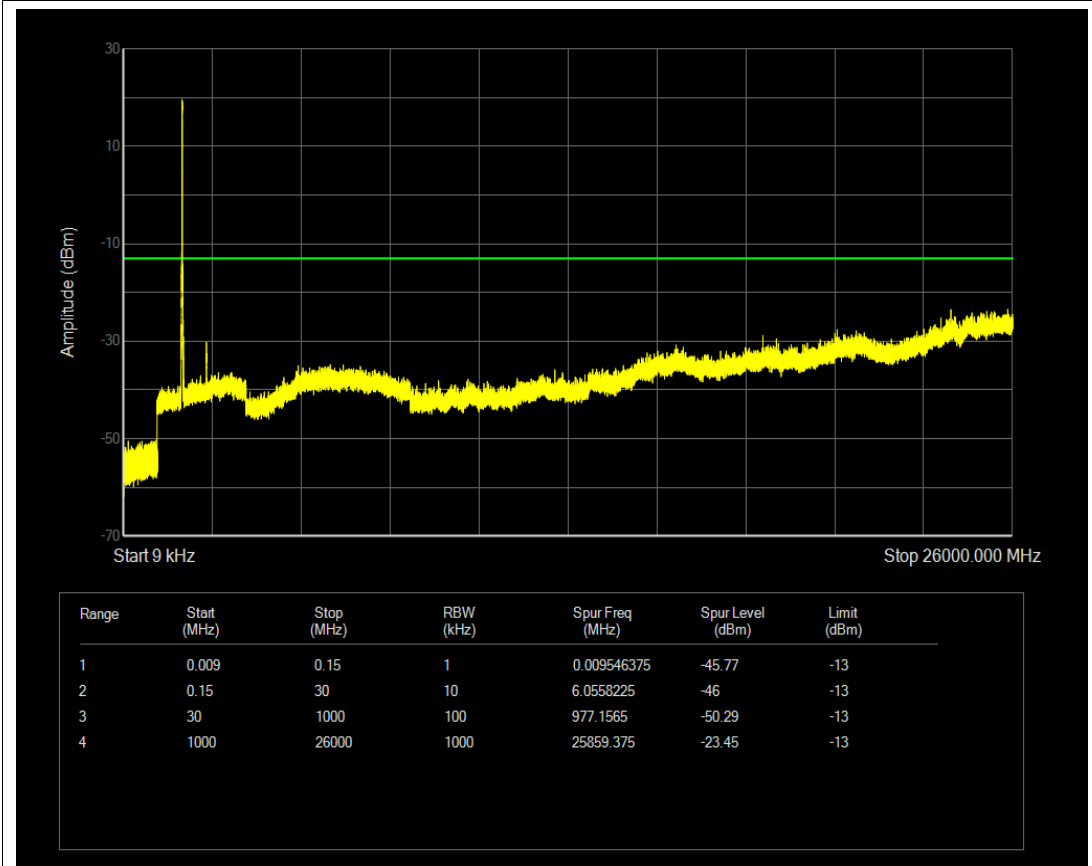
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



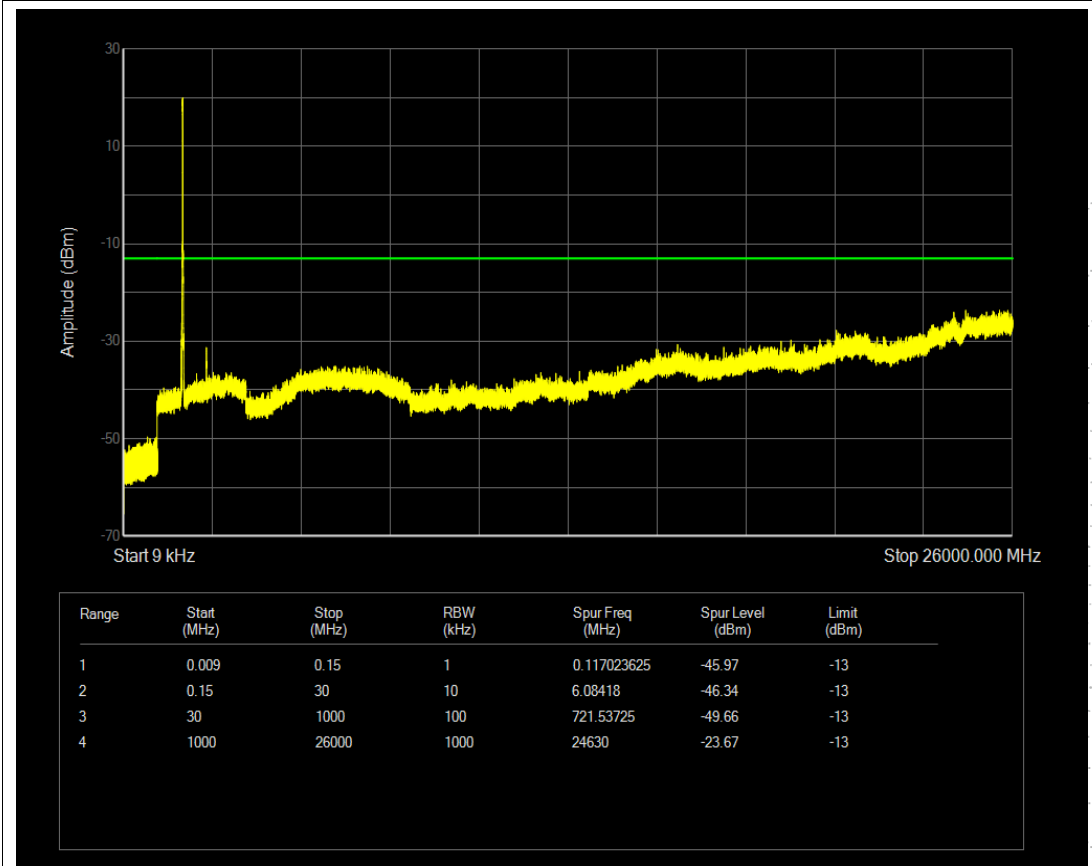
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11553255	-45.44	-13
2	0.15	30	10	6.04164375	-47.49	-13
3	30	1000	100	889.808	-50.34	-13
4	1000	26000	1000	25841.875	-22.9	-13

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



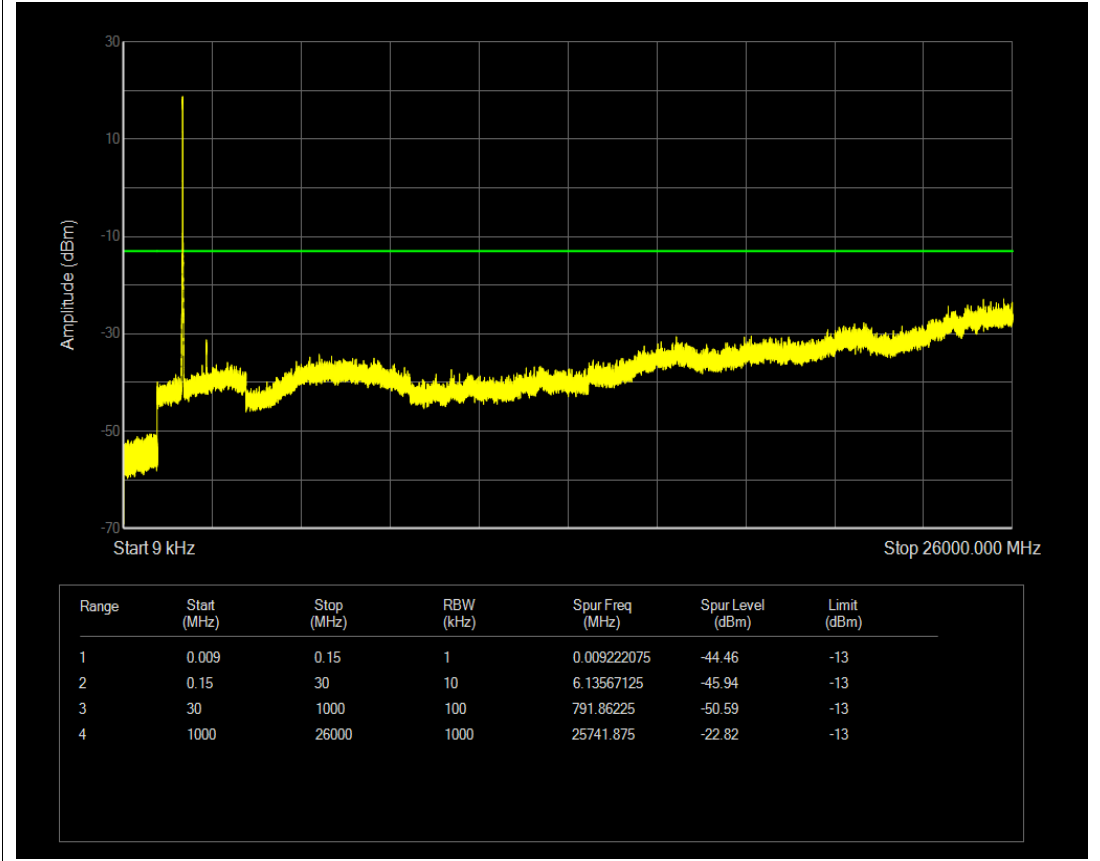


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

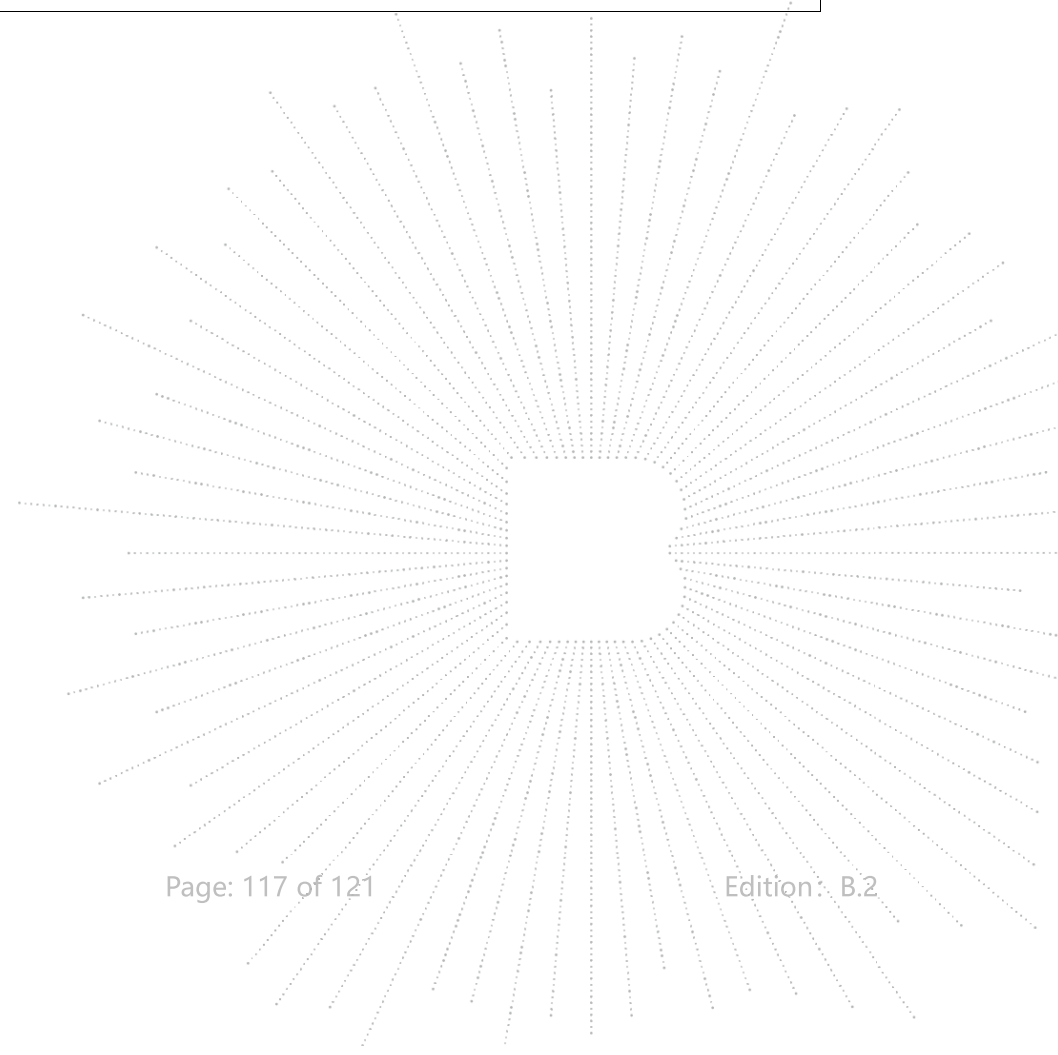


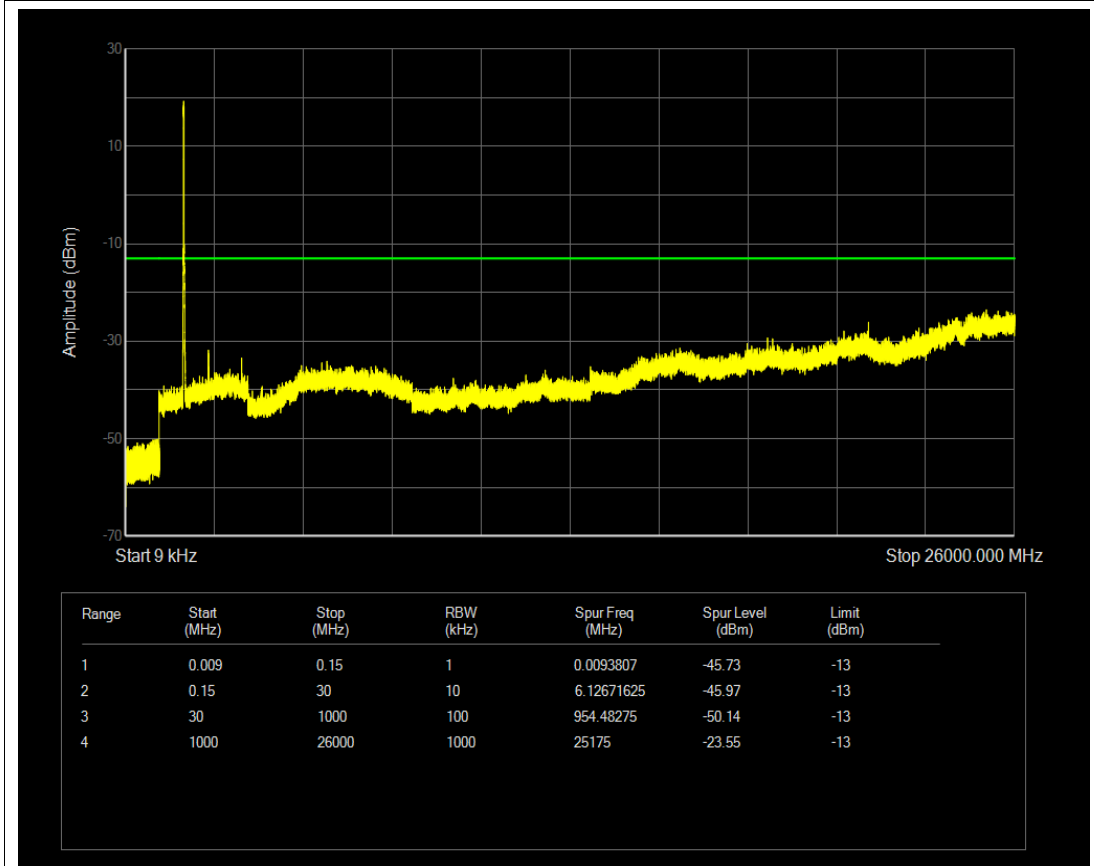


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

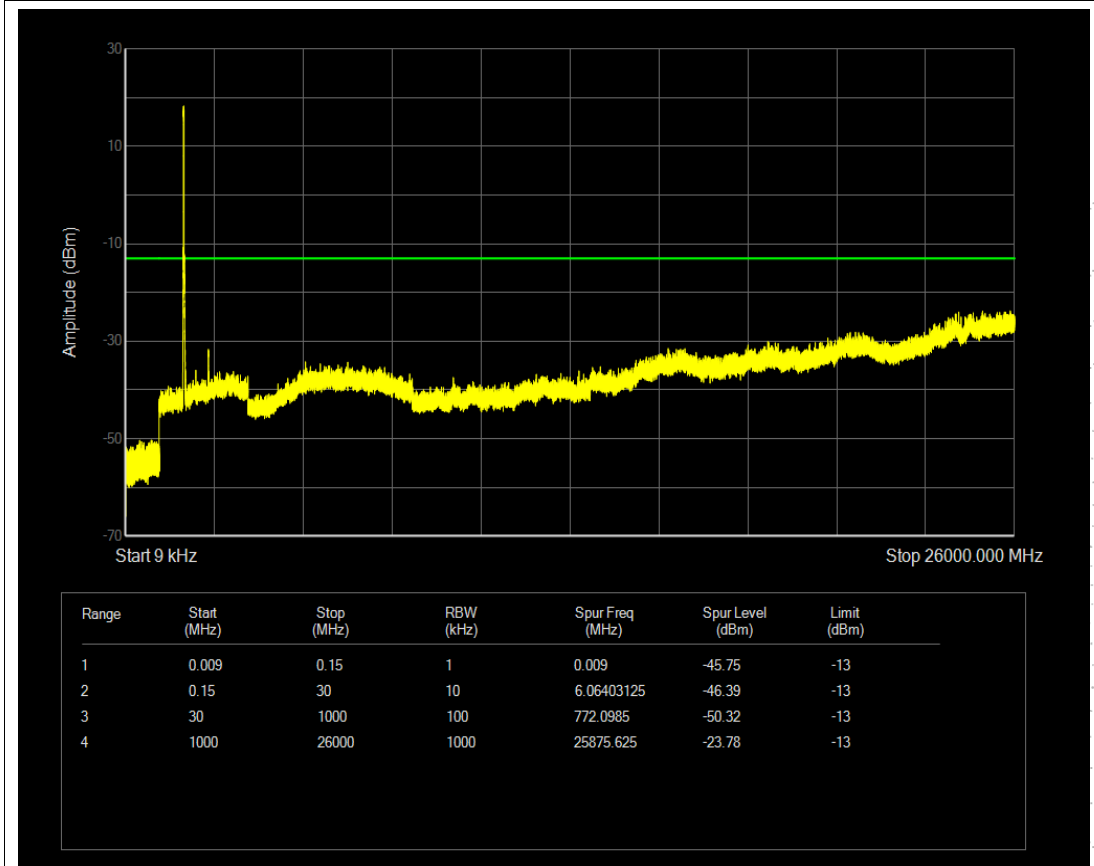


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



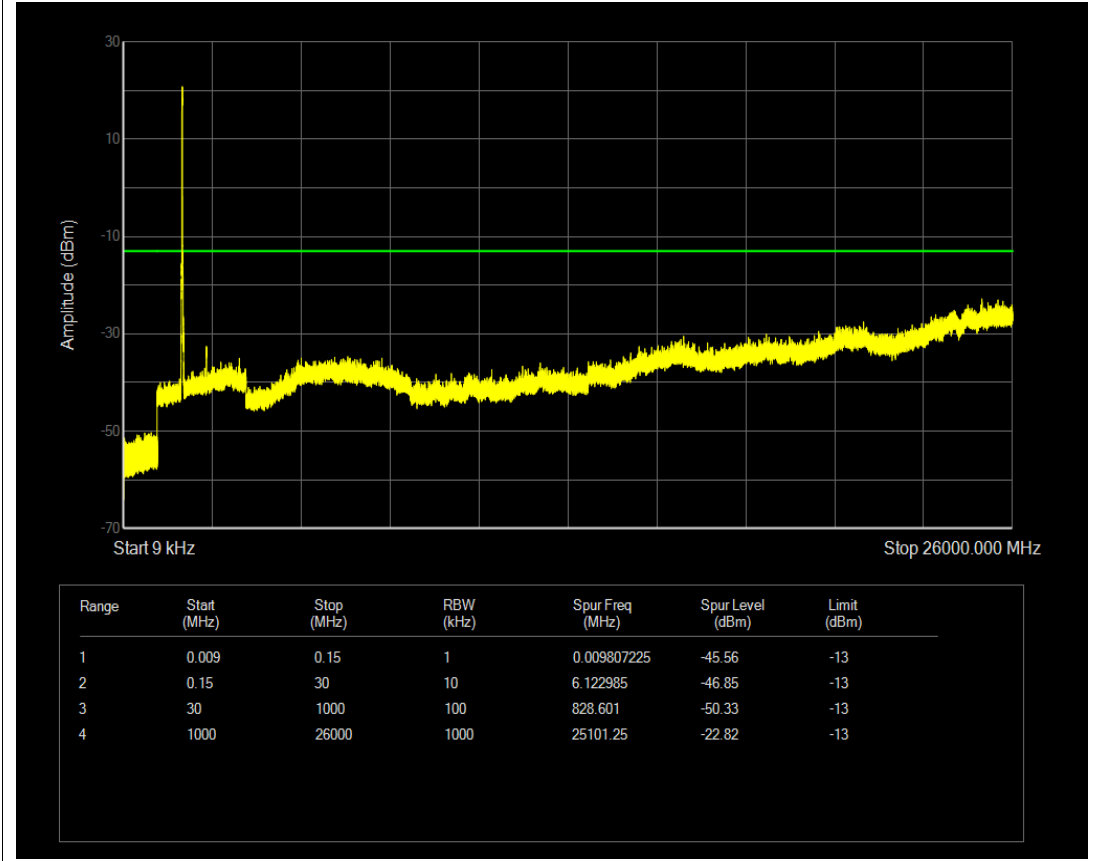


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

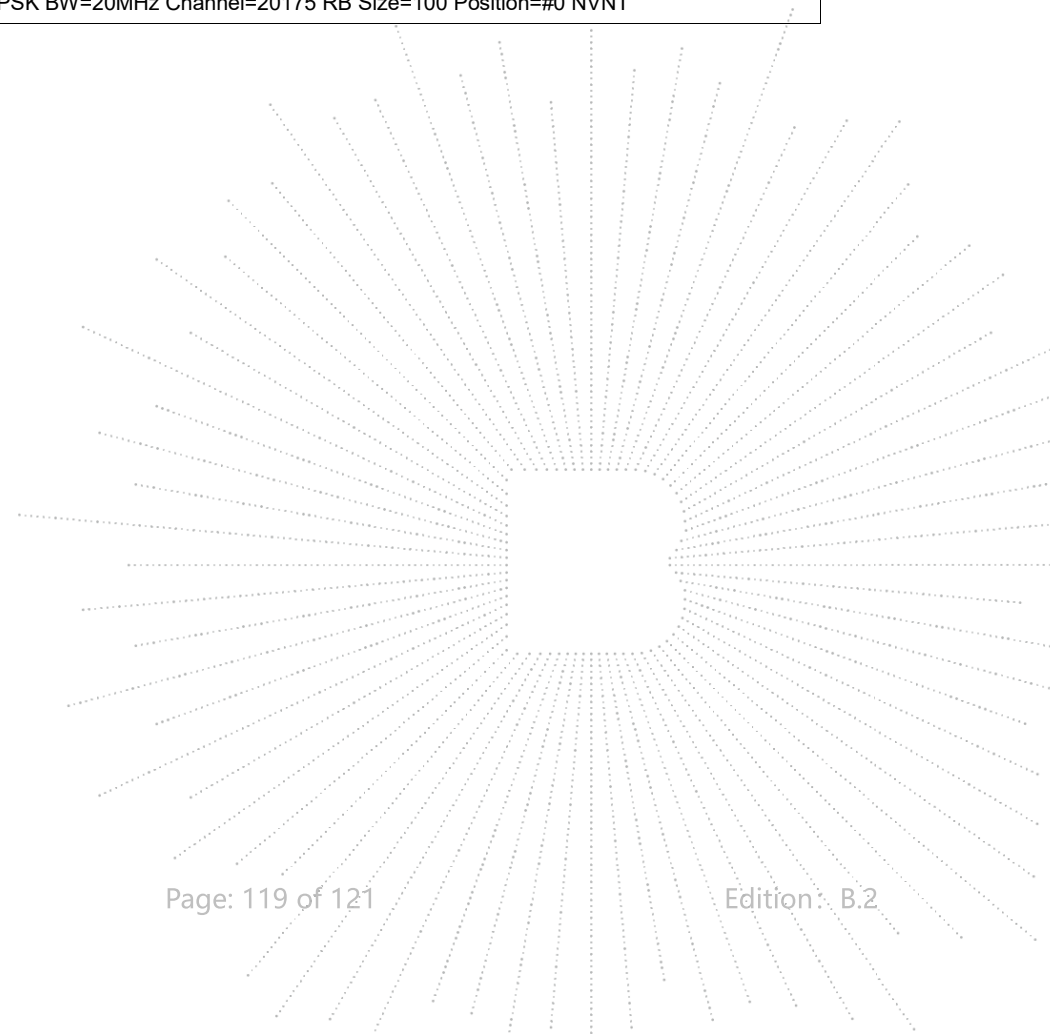


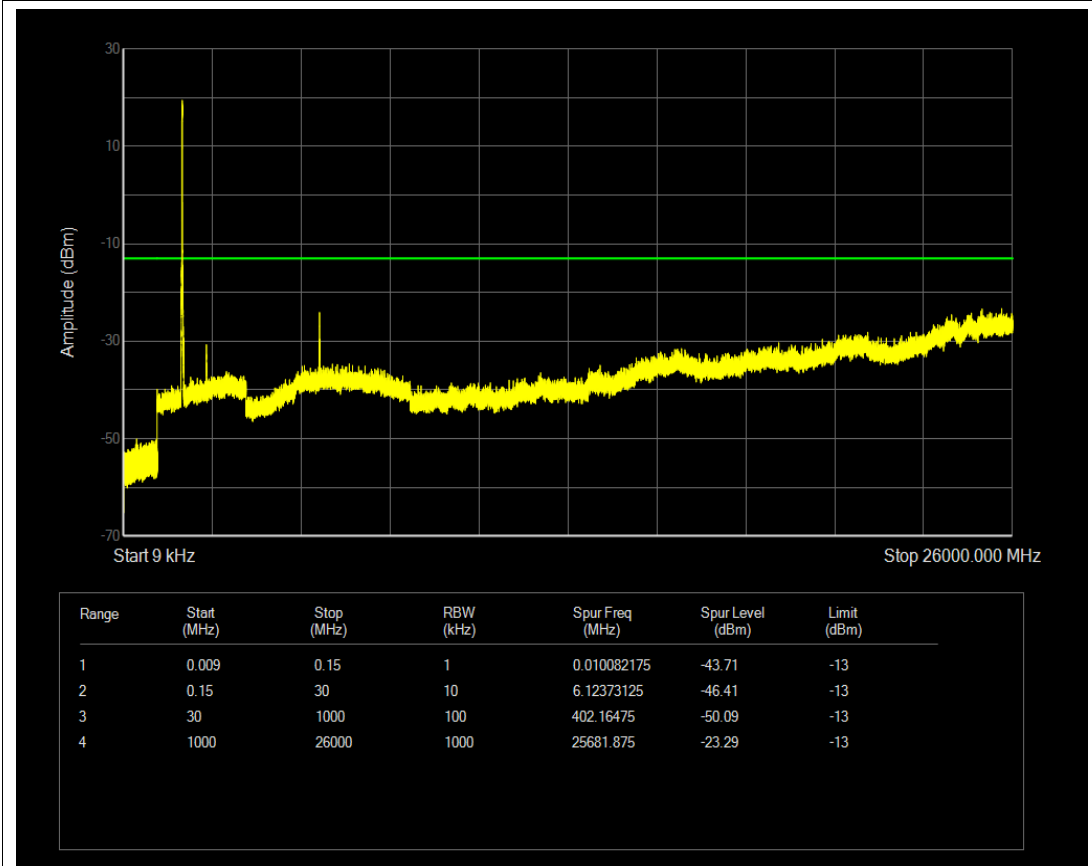


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

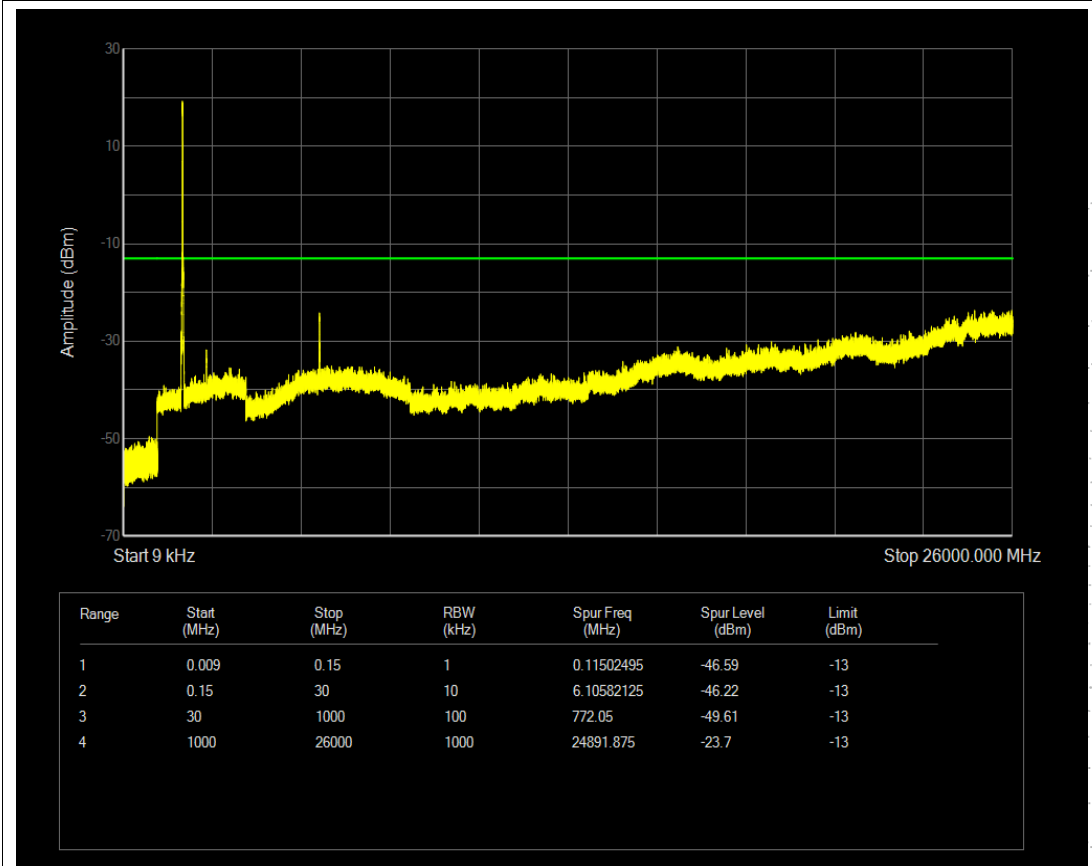


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



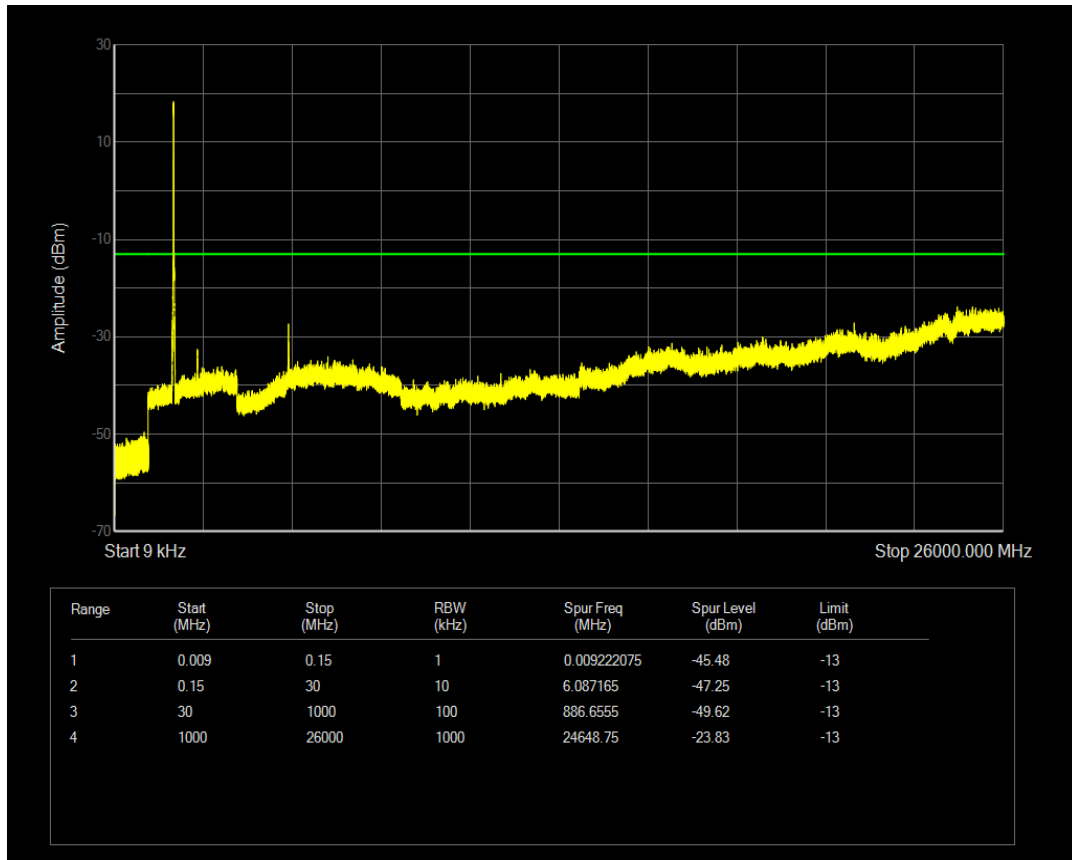


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





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



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

