

Appendix for Band 4

Report No.: BCTC2504042667-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart Phone

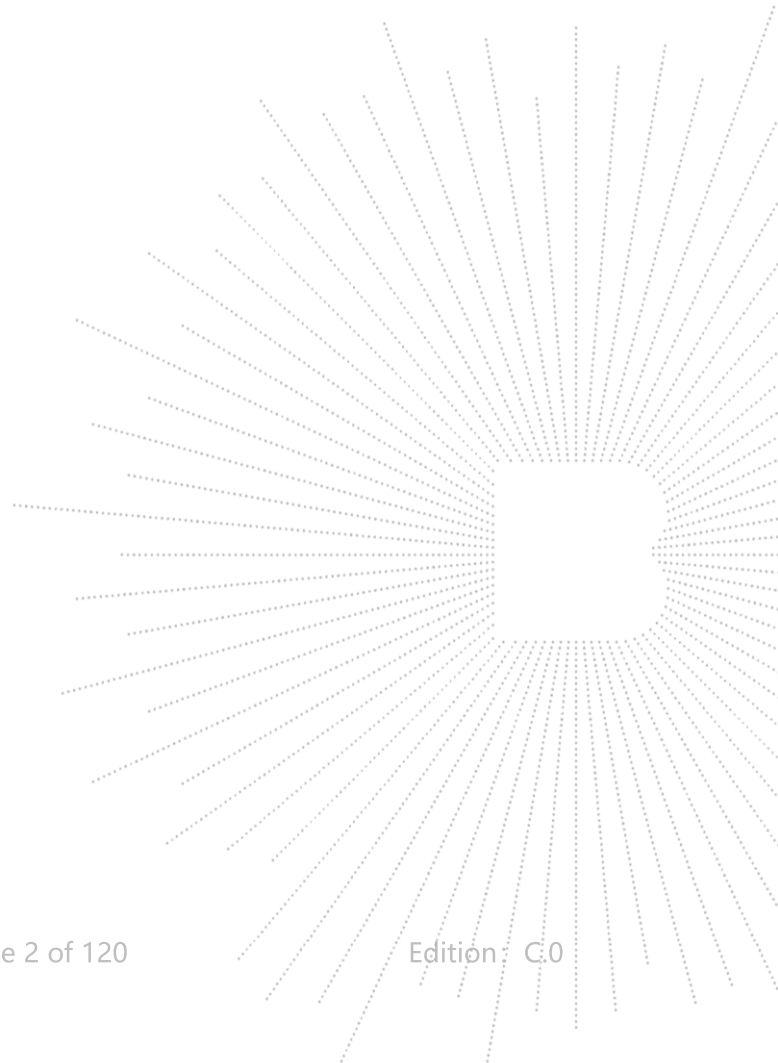
Test Model: F114

Tested Date: 2025-04-07 to 2025-06-05

Shenzhen BCTC Testing Co., Ltd.

Contents

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



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

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	24.84	0.14	24.98	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	24.82	0.14	24.96	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	24.78	0.14	24.92	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	24.70	0.14	24.84	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	24.67	0.14	24.81	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	24.74	0.14	24.88	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	23.75	0.14	23.89	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	24.60	0.14	24.74	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	24.63	0.14	24.77	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	24.64	0.14	24.78	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	23.93	0.14	24.07	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	23.95	0.14	24.09	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	23.92	0.14	24.06	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	22.94	0.14	23.08	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	24.81	0.14	24.95	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	24.81	0.14	24.95	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	24.80	0.14	24.94	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	24.73	0.14	24.87	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	24.79	0.14	24.93	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	24.72	0.14	24.86	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	23.76	0.14	23.90	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	23.79	0.14	23.93	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	23.77	0.14	23.91	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	23.81	0.14	23.95	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	23.64	0.14	23.78	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	23.68	0.14	23.82	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	23.77	0.14	23.91	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	22.99	0.14	23.13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	24.89	0.14	25.03	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	24.89	0.14	25.03	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	24.81	0.14	24.95	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	24.71	0.14	24.85	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	24.77	0.14	24.91	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	24.72	0.14	24.86	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	23.67	0.14	23.81	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	23.30	0.14	23.44	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	23.39	0.14	23.53	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	23.33	0.14	23.47	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	23.65	0.14	23.79	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	23.64	0.14	23.78	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	23.71	0.14	23.85	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	22.80	0.14	22.94	PASS
NVNT	Band4	3	19965	1	#0	QPSK	24.69	0.14	24.83	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	24.69	0.14	24.83	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	24.66	0.14	24.80	PASS
NVNT	Band4	3	19965	8	#0	QPSK	23.66	0.14	23.80	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	23.63	0.14	23.77	PASS
NVNT	Band4	3	19965	15	#0	QPSK	23.81	0.14	23.95	PASS
NVNT	Band4	3	19965	1	#0	16QAM	24.78	0.14	24.92	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	24.79	0.14	24.93	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	24.73	0.14	24.87	PASS
NVNT	Band4	3	19965	8	#0	16QAM	22.69	0.14	22.83	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	22.61	0.14	22.75	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	22.57	0.14	22.71	PASS
NVNT	Band4	3	19965	15	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	3	20175	1	#0	QPSK	24.89	0.14	25.03	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	24.81	0.14	24.95	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	24.78	0.14	24.92	PASS
NVNT	Band4	3	20175	8	#0	QPSK	23.77	0.14	23.91	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	23.73	0.14	23.87	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	23.70	0.14	23.84	PASS
NVNT	Band4	3	20175	15	#0	QPSK	23.70	0.14	23.84	PASS
NVNT	Band4	3	20175	1	#0	16QAM	24.41	0.14	24.55	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	24.46	0.14	24.60	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	24.43	0.14	24.57	PASS
NVNT	Band4	3	20175	8	#0	16QAM	23.02	0.14	23.16	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	23.00	0.14	23.14	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	23.05	0.14	23.19	PASS
NVNT	Band4	3	20175	15	#0	16QAM	22.81	0.14	22.95	PASS
NVNT	Band4	3	20385	1	#0	QPSK	24.87	0.14	25.01	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	24.87	0.14	25.01	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	24.83	0.14	24.97	PASS
NVNT	Band4	3	20385	8	#0	QPSK	23.73	0.14	23.87	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	23.78	0.14	23.92	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	23.75	0.14	23.89	PASS
NVNT	Band4	3	20385	15	#0	QPSK	23.75	0.14	23.89	PASS

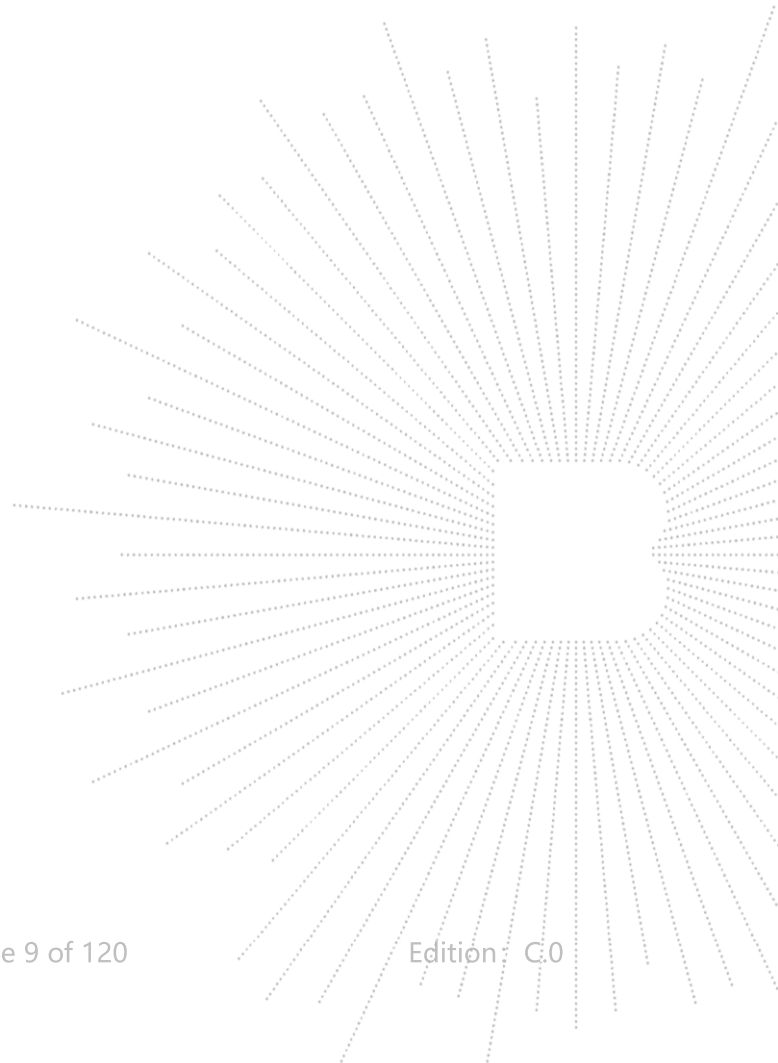
NVNT	Band4	3	20385	1	#0	16QAM	23.39	0.14	23.53	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	23.33	0.14	23.47	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	23.34	0.14	23.48	PASS
NVNT	Band4	3	20385	8	#0	16QAM	22.90	0.14	23.04	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	22.92	0.14	23.06	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	22.93	0.14	23.07	PASS
NVNT	Band4	3	20385	15	#0	16QAM	22.69	0.14	22.83	PASS
NVNT	Band4	5	19975	1	#0	QPSK	24.67	0.14	24.81	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	24.60	0.14	24.74	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	24.57	0.14	24.71	PASS
NVNT	Band4	5	19975	12	#0	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	23.70	0.14	23.84	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	23.66	0.14	23.80	PASS
NVNT	Band4	5	19975	25	#0	QPSK	23.67	0.14	23.81	PASS
NVNT	Band4	5	19975	1	#0	16QAM	23.74	0.14	23.88	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	23.71	0.14	23.85	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	23.76	0.14	23.90	PASS
NVNT	Band4	5	19975	12	#0	16QAM	22.73	0.14	22.87	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	22.60	0.14	22.74	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	22.59	0.14	22.73	PASS
NVNT	Band4	5	19975	25	#0	16QAM	22.82	0.14	22.96	PASS
NVNT	Band4	5	20175	1	#0	QPSK	24.88	0.14	25.02	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	24.81	0.14	24.95	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	24.86	0.14	25.00	PASS
NVNT	Band4	5	20175	12	#0	QPSK	23.82	0.14	23.96	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	23.74	0.14	23.88	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	5	20175	25	#0	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	5	20175	1	#0	16QAM	23.78	0.14	23.92	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	23.82	0.14	23.96	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	23.87	0.14	24.01	PASS
NVNT	Band4	5	20175	12	#0	16QAM	22.60	0.14	22.74	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	22.65	0.14	22.79	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	22.66	0.14	22.80	PASS
NVNT	Band4	5	20175	25	#0	16QAM	22.80	0.14	22.94	PASS
NVNT	Band4	5	20375	1	#0	QPSK	24.48	0.14	24.62	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	24.45	0.14	24.59	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	24.51	0.14	24.65	PASS
NVNT	Band4	5	20375	12	#0	QPSK	23.63	0.14	23.77	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	23.77	0.14	23.91	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	23.66	0.14	23.80	PASS
NVNT	Band4	5	20375	25	#0	QPSK	23.66	0.14	23.80	PASS

NVNT	Band4	5	20375	1	#0	16QAM	24.22	0.14	24.36	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	24.18	0.14	24.32	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	24.28	0.14	24.42	PASS
NVNT	Band4	5	20375	12	#0	16QAM	22.72	0.14	22.86	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	22.66	0.14	22.80	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	22.68	0.14	22.82	PASS
NVNT	Band4	5	20375	25	#0	16QAM	22.86	0.14	23.00	PASS
NVNT	Band4	10	20000	1	#0	QPSK	24.67	0.14	24.81	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	24.55	0.14	24.69	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	24.55	0.14	24.69	PASS
NVNT	Band4	10	20000	25	#0	QPSK	23.67	0.14	23.81	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	23.68	0.14	23.82	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	23.64	0.14	23.78	PASS
NVNT	Band4	10	20000	50	#0	QPSK	23.62	0.14	23.76	PASS
NVNT	Band4	10	20000	1	#0	16QAM	24.74	0.14	24.88	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	24.70	0.14	24.84	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	24.66	0.14	24.80	PASS
NVNT	Band4	10	20000	25	#0	16QAM	22.69	0.14	22.83	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	22.73	0.14	22.87	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	22.69	0.14	22.83	PASS
NVNT	Band4	10	20000	50	#0	16QAM	22.73	0.14	22.87	PASS
NVNT	Band4	10	20175	1	#0	QPSK	24.65	0.14	24.79	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	24.73	0.14	24.87	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	24.70	0.14	24.84	PASS
NVNT	Band4	10	20175	25	#0	QPSK	23.70	0.14	23.84	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	23.77	0.14	23.91	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	10	20175	50	#0	QPSK	23.77	0.14	23.91	PASS
NVNT	Band4	10	20175	1	#0	16QAM	24.34	0.14	24.48	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	24.41	0.14	24.55	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	24.47	0.14	24.61	PASS
NVNT	Band4	10	20175	25	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	22.85	0.14	22.99	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	22.80	0.14	22.94	PASS
NVNT	Band4	10	20175	50	#0	16QAM	22.79	0.14	22.93	PASS
NVNT	Band4	10	20350	1	#0	QPSK	24.82	0.14	24.96	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	24.78	0.14	24.92	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	24.73	0.14	24.87	PASS
NVNT	Band4	10	20350	25	#0	QPSK	23.76	0.14	23.90	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	23.73	0.14	23.87	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	23.63	0.14	23.77	PASS
NVNT	Band4	10	20350	50	#0	QPSK	23.66	0.14	23.80	PASS

NVNT	Band4	10	20350	1	#0	16QAM	23.81	0.14	23.95	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	23.82	0.14	23.96	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	23.82	0.14	23.96	PASS
NVNT	Band4	10	20350	25	#0	16QAM	22.68	0.14	22.82	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	22.69	0.14	22.83	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	22.76	0.14	22.90	PASS
NVNT	Band4	10	20350	50	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	15	20025	1	#0	QPSK	24.64	0.14	24.78	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	24.52	0.14	24.66	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	24.49	0.14	24.63	PASS
NVNT	Band4	15	20025	36	#0	QPSK	23.59	0.14	23.73	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	23.64	0.14	23.78	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	23.62	0.14	23.76	PASS
NVNT	Band4	15	20025	75	#0	QPSK	23.67	0.14	23.81	PASS
NVNT	Band4	15	20025	1	#0	16QAM	24.76	0.14	24.90	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	24.68	0.14	24.82	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	24.68	0.14	24.82	PASS
NVNT	Band4	15	20025	36	#0	16QAM	22.78	0.14	22.92	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	22.65	0.14	22.79	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	22.64	0.14	22.78	PASS
NVNT	Band4	15	20025	75	#0	16QAM	22.63	0.14	22.77	PASS
NVNT	Band4	15	20175	1	#0	QPSK	24.59	0.14	24.73	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	24.70	0.14	24.84	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	24.72	0.14	24.86	PASS
NVNT	Band4	15	20175	36	#0	QPSK	23.67	0.14	23.81	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	23.70	0.14	23.84	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	23.81	0.14	23.95	PASS
NVNT	Band4	15	20175	75	#0	QPSK	23.73	0.14	23.87	PASS
NVNT	Band4	15	20175	1	#0	16QAM	24.36	0.14	24.50	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	24.45	0.14	24.59	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	24.41	0.14	24.55	PASS
NVNT	Band4	15	20175	36	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	22.89	0.14	23.03	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	22.96	0.14	23.10	PASS
NVNT	Band4	15	20175	75	#0	16QAM	22.78	0.14	22.92	PASS
NVNT	Band4	15	20325	1	#0	QPSK	24.71	0.14	24.85	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	24.57	0.14	24.71	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	24.64	0.14	24.78	PASS
NVNT	Band4	15	20325	36	#0	QPSK	23.79	0.14	23.93	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	23.61	0.14	23.75	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	23.66	0.14	23.80	PASS
NVNT	Band4	15	20325	75	#0	QPSK	23.71	0.14	23.85	PASS

NVNT	Band4	15	20325	1	#0	16QAM	24.73	0.14	24.87	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	24.62	0.14	24.76	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	24.71	0.14	24.85	PASS
NVNT	Band4	15	20325	36	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	22.65	0.14	22.79	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	22.71	0.14	22.85	PASS
NVNT	Band4	15	20325	75	#0	16QAM	22.81	0.14	22.95	PASS
NVNT	Band4	20	20050	1	#0	QPSK	24.88	0.14	25.02	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	24.70	0.14	24.84	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	24.77	0.14	24.91	PASS
NVNT	Band4	20	20050	50	#0	QPSK	23.64	0.14	23.78	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	23.62	0.14	23.76	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	23.65	0.14	23.79	PASS
NVNT	Band4	20	20050	100	#0	QPSK	23.72	0.14	23.86	PASS
NVNT	Band4	20	20050	1	#0	16QAM	23.84	0.14	23.98	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	23.68	0.14	23.82	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	23.74	0.14	23.88	PASS
NVNT	Band4	20	20050	50	#0	16QAM	22.81	0.14	22.95	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	22.70	0.14	22.84	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	22.73	0.14	22.87	PASS
NVNT	Band4	20	20050	100	#0	16QAM	22.64	0.14	22.78	PASS
NVNT	Band4	20	20175	1	#0	QPSK	24.92	0.14	25.06	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	25.03	0.14	25.17	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	24.95	0.14	25.09	PASS
NVNT	Band4	20	20175	50	#0	QPSK	23.74	0.14	23.88	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	23.78	0.14	23.92	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	23.85	0.14	23.99	PASS
NVNT	Band4	20	20175	100	#0	QPSK	23.78	0.14	23.92	PASS
NVNT	Band4	20	20175	1	#0	16QAM	23.72	0.14	23.86	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	23.92	0.14	24.06	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	23.86	0.14	24.00	PASS
NVNT	Band4	20	20175	50	#0	16QAM	22.77	0.14	22.91	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	22.83	0.14	22.97	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	22.89	0.14	23.03	PASS
NVNT	Band4	20	20175	100	#0	16QAM	22.83	0.14	22.97	PASS
NVNT	Band4	20	20300	1	#0	QPSK	24.77	0.14	24.91	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	24.80	0.14	24.94	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	24.77	0.14	24.91	PASS
NVNT	Band4	20	20300	50	#0	QPSK	23.87	0.14	24.01	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	23.78	0.14	23.92	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	23.59	0.14	23.73	PASS
NVNT	Band4	20	20300	100	#0	QPSK	23.72	0.14	23.86	PASS

NVNT	Band4	20	20300	1	#0	16QAM	24.24	0.14	24.38	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	24.20	0.14	24.34	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	24.17	0.14	24.31	PASS
NVNT	Band4	20	20300	50	#0	16QAM	22.96	0.14	23.10	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	22.92	0.14	23.06	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	22.80	0.14	22.94	PASS
NVNT	Band4	20	20300	100	#0	16QAM	22.78	0.14	22.92	PASS



Appendix 2.Frequency stability

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band 4	1.4	19957	6	#0	QPSK	LV	NT	-21.47	-0.013	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	-38.22	-0.022	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	2.23	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	6.05	0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	15.91	0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	22.24	0.013	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	12.80	0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	1.97	0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	-1.60	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	-1.76	-0.001	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	4.23	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	4.15	0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	-0.73	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	-15.28	-0.009	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	-20.66	-0.012	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-18.34	-0.010	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-12.52	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	-9.93	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-21.84	-0.013	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-26.97	-0.016	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-29.73	-0.017	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-16.61	-0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-0.16	0.000	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	6.87	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	26.06	0.015	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	15.64	0.009	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	10.19	0.006	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	14.62	0.008	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	21.01	0.012	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	22.02	0.013	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	-2.78	-0.002	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-22.75	-0.013	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	-24.25	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-16.79	-0.010	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	-5.02	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	-3.60	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	-24.03	-0.014	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-38.37	-0.022	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	-33.33	-0.019	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	-15.72	-0.009	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	1.33	0.001	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	10.53	0.006	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	23.72	0.014	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	14.89	0.009	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	12.95	0.007	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	16.35	0.009	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	25.01	0.014	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	24.93	0.014	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-6.59	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	-21.50	-0.012	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	-17.21	-0.010	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	-6.85	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	5.85	0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	6.65	0.004	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	-20.30	-0.012	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	-18.42	-0.011	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	-5.04	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	16.68	0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	34.46	0.020	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	6.48	0.004	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	13.69	0.008	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	6.24	0.004	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	7.28	0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	15.59	0.009	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	21.00	0.012	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	21.96	0.013	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	10.40	0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	-3.32	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	5.01	0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	19.28	0.011	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	30.03	0.017	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	32.39	0.019	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	-25.69	-0.015	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	-23.72	-0.014	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	4.99	0.003	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	28.31	0.016	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	9.93	0.006	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	17.92	0.010	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	13.75	0.008	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	5.82	0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	12.80	0.007	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	21.11	0.012	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	29.05	0.017	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	26.78	0.015	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-9.04	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-12.15	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	0.77	0.000	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	17.90	0.010	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	23.85	0.014	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	25.28	0.014	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-25.48	-0.015	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	-13.80	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	25.05	0.015	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	17.92	0.010	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	36.56	0.021	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	7.21	0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	10.91	0.006	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	5.06	0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	14.78	0.009	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	25.39	0.015	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	32.06	0.019	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	30.90	0.018	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	4.32	0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	4.41	0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	23.10	0.013	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	3.73	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	9.81	0.006	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	8.04	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	-14.28	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	-26.99	-0.016	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	13.99	0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	-12.65	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	-34.13	-0.020	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	-14.19	-0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	-25.31	-0.015	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	-8.00	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	-17.19	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	-17.72	-0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	-20.89	-0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	-26.99	-0.016	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	-24.05	-0.014	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	-24.81	-0.015	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-22.34	-0.013	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	-21.07	-0.012	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	10.66	0.006	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	7.45	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	7.15	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	9.04	0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	9.58	0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	11.44	0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	12.93	0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	14.12	0.008	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	18.21	0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	27.79	0.016	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	6.68	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	6.90	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	18.42	0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	25.73	0.015	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	32.72	0.019	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	23.88	0.014	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	29.43	0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	14.66	0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	-1.69	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	-11.54	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	-20.36	-0.012	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	-28.02	-0.016	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	-18.35	-0.010	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	-4.33	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	-10.39	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	-5.68	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-3.71	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	-1.63	-0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	-2.93	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	1.56	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	1.34	0.001	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	0.10	0.000	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	9.17	0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	-25.45	-0.015	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	-35.93	-0.021	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	-28.74	-0.017	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	-14.66	-0.009	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-30.90	-0.018	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-36.85	-0.022	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	-23.62	-0.014	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	-31.29	-0.018	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	-28.44	-0.017	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	-24.83	-0.015	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	-23.69	-0.014	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	-24.81	-0.014	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	-22.40	-0.013	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	-17.74	-0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	-18.22	-0.011	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	25.22	0.015	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	26.34	0.015	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	25.22	0.015	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	23.32	0.013	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	30.53	0.018	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	29.70	0.017	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	28.34	0.016	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	31.57	0.018	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-16.34	-0.009	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	-6.19	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	7.42	0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	16.02	0.009	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	22.76	0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	30.11	0.017	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	0.84	0.000	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	10.16	0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	21.56	0.012	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	0.77	0.000	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-20.00	-0.011	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-33.93	-0.019	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-9.07	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-21.06	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-29.24	-0.017	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-37.57	-0.021	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-11.20	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-5.36	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-0.36	0.000	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	2.47	0.001	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	8.07	0.005	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	13.90	0.008	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	16.64	0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	17.29	0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	16.88	0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	-35.52	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	-37.71	-0.022	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	-17.88	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	-36.58	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	-25.92	-0.015	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	-42.11	-0.025	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	-20.20	-0.012	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	-30.31	-0.018	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-29.88	-0.017	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	-27.29	-0.016	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-24.82	-0.014	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-25.56	-0.015	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-22.12	-0.013	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-24.36	-0.014	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	-20.44	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	31.81	0.018	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	31.89	0.018	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	27.42	0.016	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	30.40	0.018	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	32.29	0.019	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	32.69	0.019	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	35.52	0.021	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	38.09	0.022	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	40.50	0.023	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	3.99	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	16.72	0.010	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	26.81	0.015	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	33.86	0.020	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	5.21	0.003	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	14.38	0.008	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	21.30	0.012	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	16.15	0.009	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	-7.50	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	-28.68	-0.016	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-36.55	-0.021	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-10.76	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-24.73	-0.014	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-34.03	-0.019	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-22.60	-0.013	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-31.49	-0.018	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-25.15	-0.014	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	-19.24	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-15.59	-0.009	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-11.27	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-7.61	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	-1.86	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	0.29	0.000	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	2.99	0.002	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	-23.56	-0.014	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	-29.91	-0.017	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-13.43	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-27.98	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-23.62	-0.014	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-26.46	-0.015	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-34.68	-0.020	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-3.16	-0.002	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	4.59	0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	12.59	0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	17.35	0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	26.04	0.015	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	30.14	0.018	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	34.88	0.020	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	1.27	0.001	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	22.93	0.013	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	19.57	0.011	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	14.36	0.008	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	14.95	0.009	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	14.08	0.008	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	13.85	0.008	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	19.77	0.011	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	19.61	0.011	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	25.23	0.015	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	21.59	0.012	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	16.98	0.010	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	28.18	0.016	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	40.03	0.023	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	2.55	0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	12.13	0.007	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	20.57	0.012	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	-2.90	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	-28.32	-0.016	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	-18.78	-0.011	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	-18.04	-0.010	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-31.80	-0.018	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	3.95	0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-7.27	-0.004	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	-15.82	-0.009	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-21.33	-0.012	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	-10.37	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	-3.88	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	4.43	0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	10.47	0.006	PASS

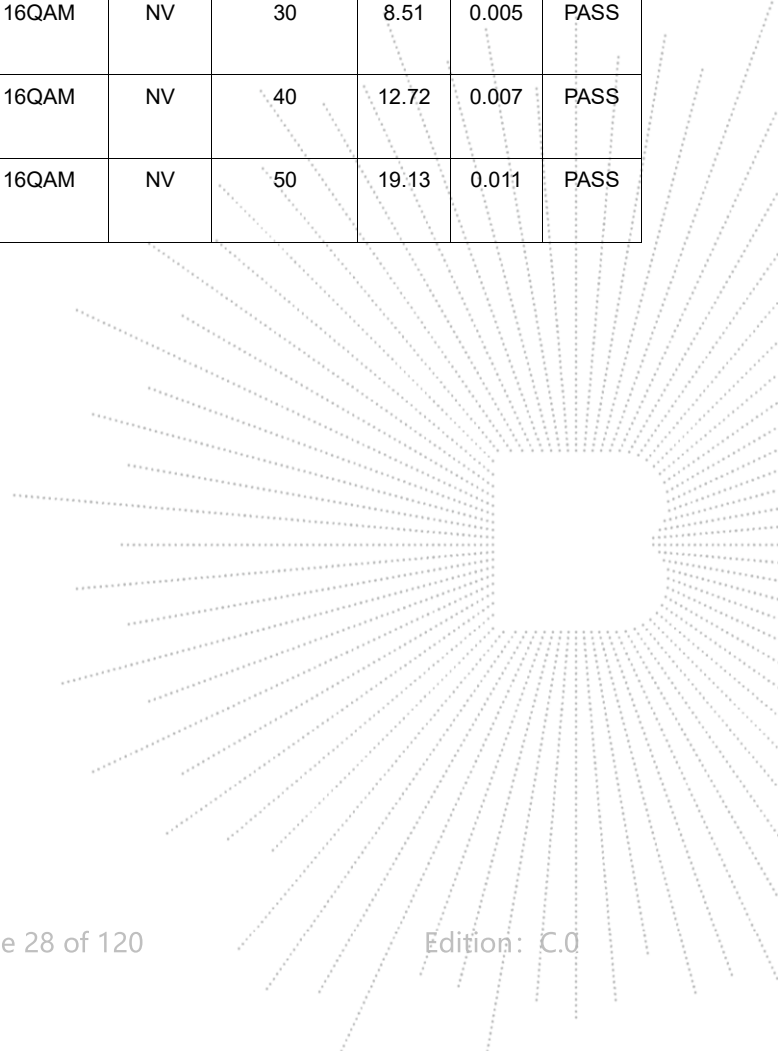
	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	13.43	0.008	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	17.01	0.010	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	22.82	0.013	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-12.59	-0.007	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-26.88	-0.016	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	-22.76	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	-21.04	-0.012	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-35.22	-0.021	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-26.24	-0.015	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-21.60	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	1.76	0.001	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	-7.12	-0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	7.20	0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	11.54	0.007	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	16.92	0.010	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	22.65	0.013	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	28.18	0.016	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	30.77	0.018	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	34.13	0.020	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	28.32	0.016	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	19.60	0.011	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	12.06	0.007	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	7.30	0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	5.36	0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	2.13	0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	-0.23	0.000	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	-1.59	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	5.12	0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	26.19	0.015	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	-5.64	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	9.60	0.006	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	19.78	0.011	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	30.98	0.018	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	10.13	0.006	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	15.31	0.009	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	16.88	0.010	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-15.18	-0.009	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	-22.67	-0.013	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-23.98	-0.014	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	-38.41	-0.022	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-1.23	-0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	-12.49	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-17.87	-0.010	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-20.79	-0.012	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-5.87	-0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	6.45	0.004	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	17.67	0.010	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	25.13	0.014	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	32.80	0.019	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	37.69	0.022	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	43.85	0.025	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	-17.32	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	-28.54	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-16.91	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-19.77	-0.011	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-10.67	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-16.49	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-22.82	-0.013	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-9.04	-0.005	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	0.07	0.000	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	9.38	0.005	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	13.33	0.008	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	21.11	0.012	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	28.68	0.017	PASS

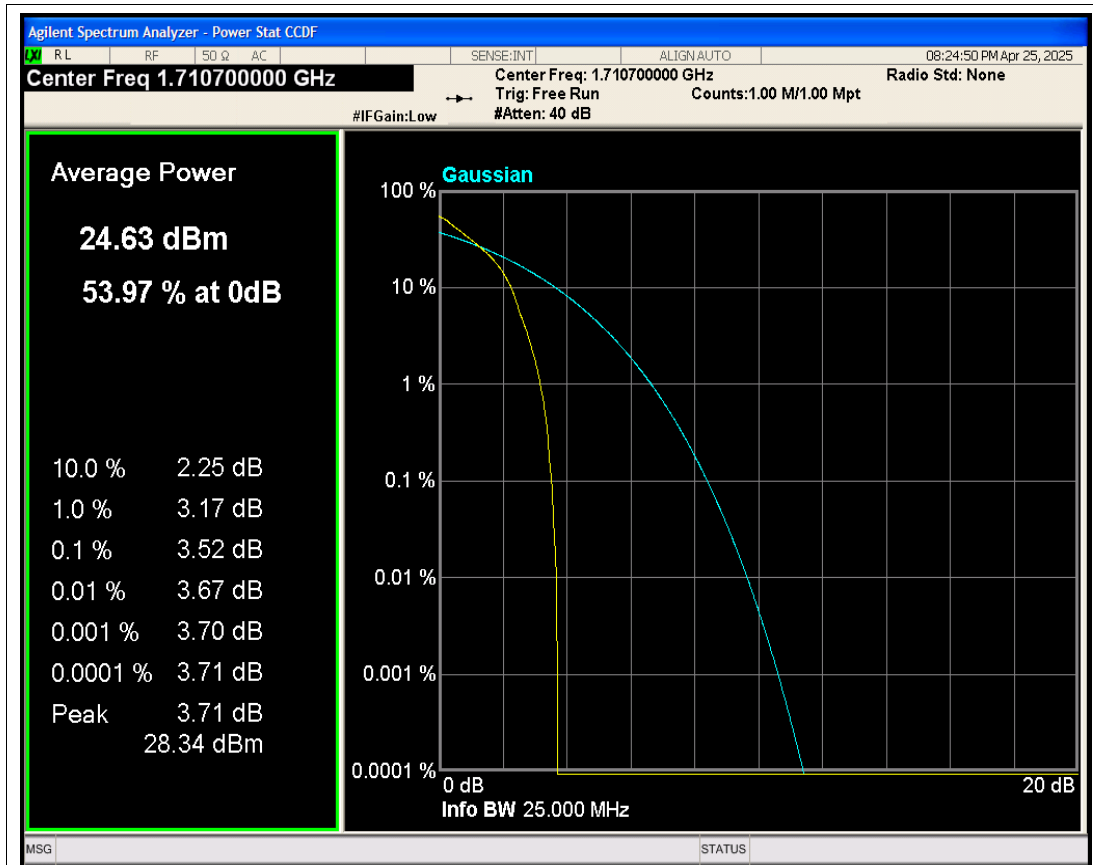
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	34.80	0.020	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	15.58	0.009	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-7.05	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	9.01	0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	-5.44	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	-13.52	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	-22.43	-0.013	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	-30.73	-0.018	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-37.32	-0.022	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-7.87	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	4.48	0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	5.18	0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	22.19	0.013	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	-10.64	-0.006	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	2.52	0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	13.09	0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	23.22	0.013	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	33.33	0.019	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	23.80	0.014	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	10.64	0.006	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	-26.06	-0.015	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	-16.16	-0.009	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-24.78	-0.014	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-25.72	-0.015	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-17.37	-0.010	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	-28.07	-0.016	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-6.25	-0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	-3.09	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	15.41	0.009	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	24.92	0.014	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	32.43	0.019	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	40.10	0.023	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	8.51	0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	12.72	0.007	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	19.13	0.011	PASS

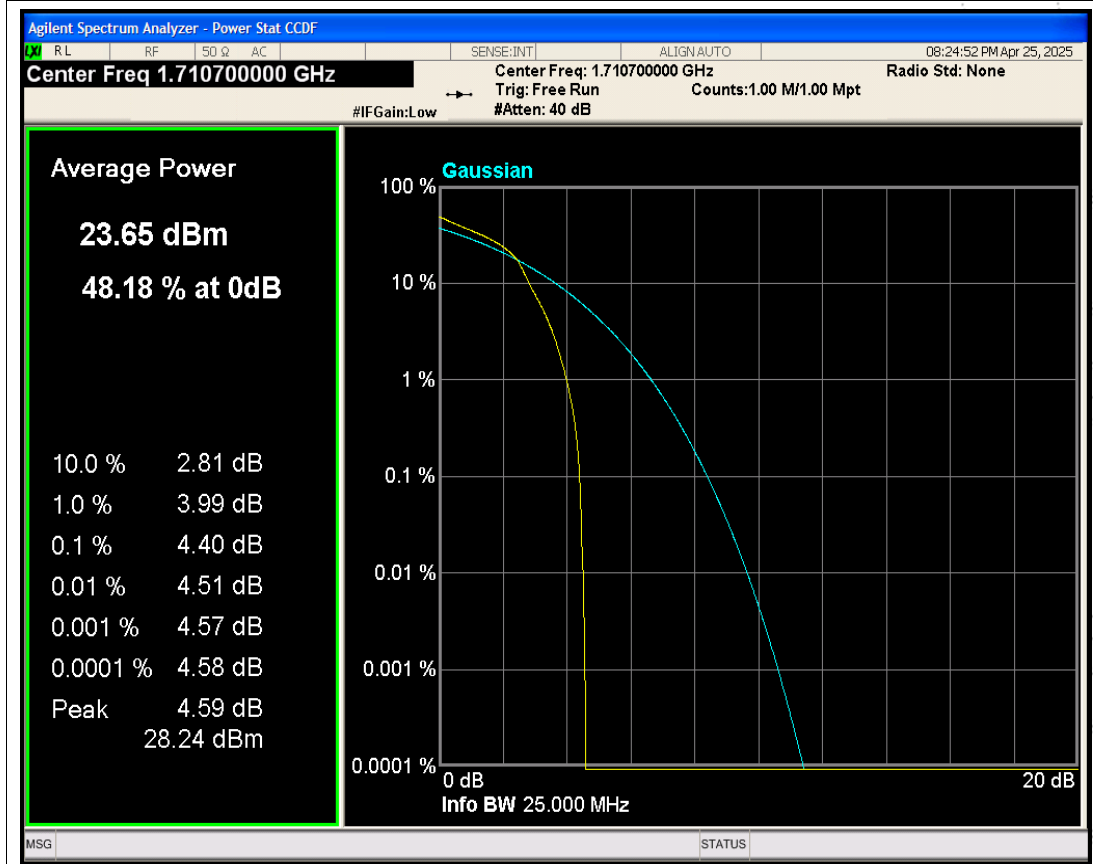


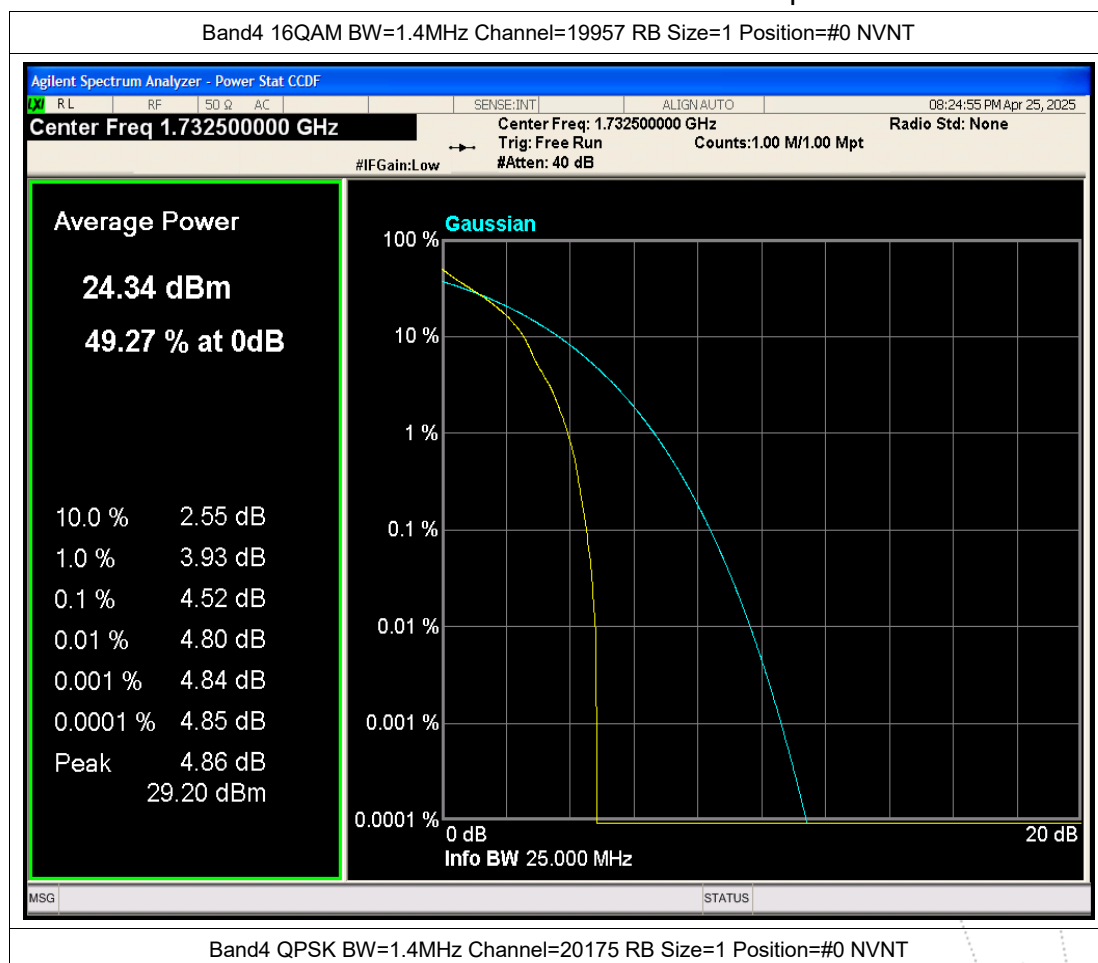
Appendix 3. Peak-to-Average Ratio

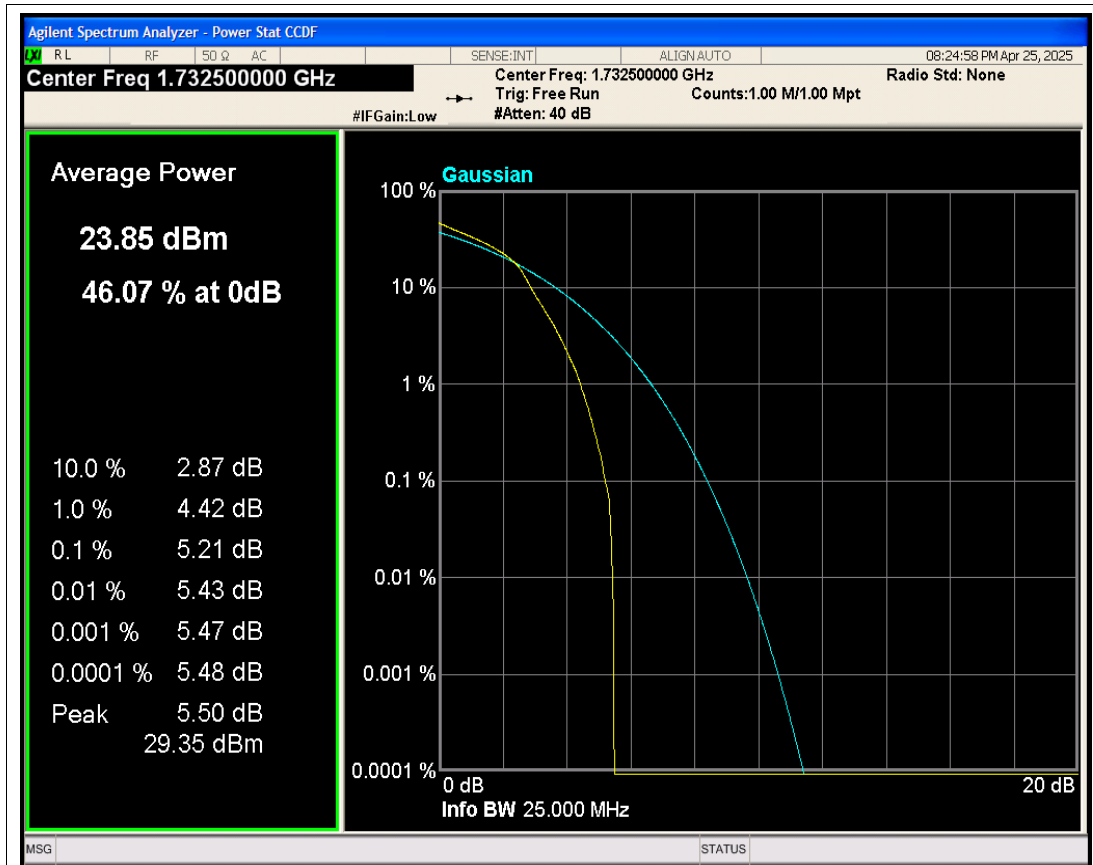
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	3.52	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	4.40	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	4.52	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	5.21	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	4.23	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	5.20	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	3.55	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	4.52	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	4.59	13	PASS
NVNT	Band4	3	20175	1	#0	16QAM	5.18	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	4.32	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	5.18	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	3.71	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	4.78	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	4.45	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	5.17	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	4.72	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	5.55	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	3.65	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	4.56	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	4.20	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	5.25	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	4.09	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	5.16	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	3.72	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	4.63	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	3.98	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	4.95	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	3.65	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	4.38	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	3.78	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	4.58	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	3.70	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	4.68	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	3.88	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	4.75	13	PASS



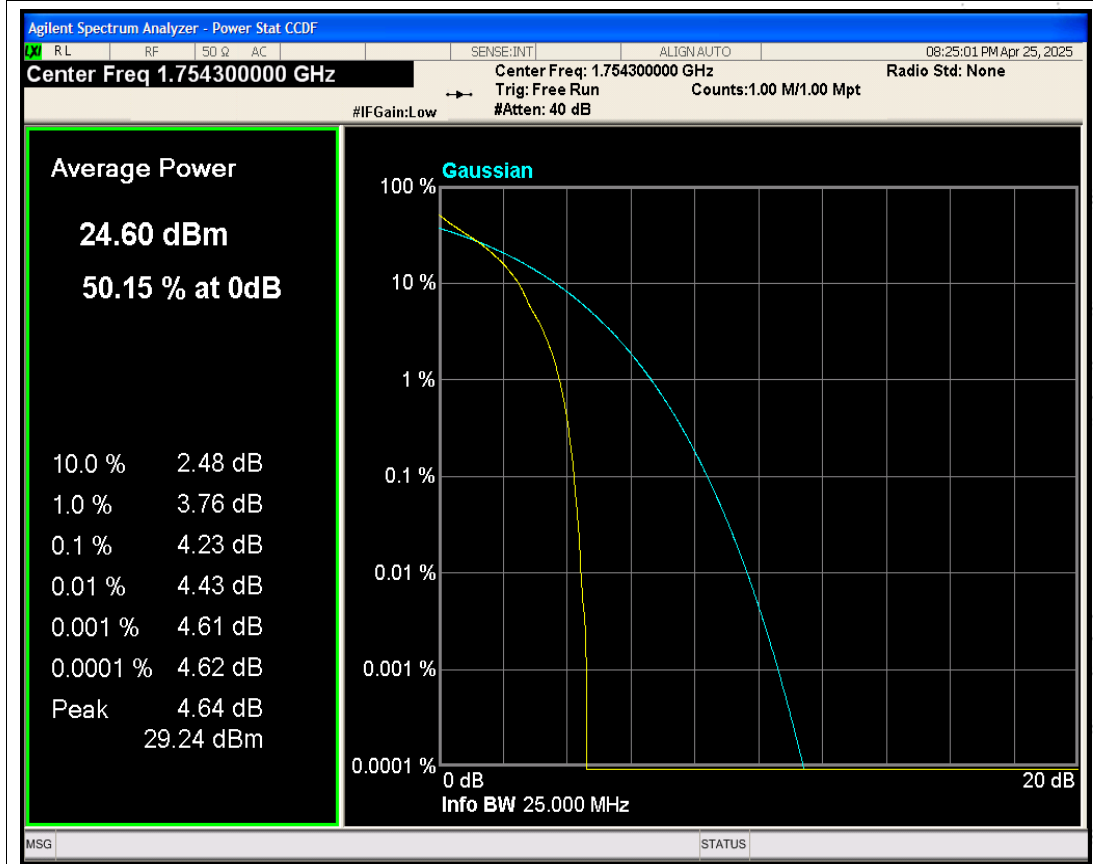
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

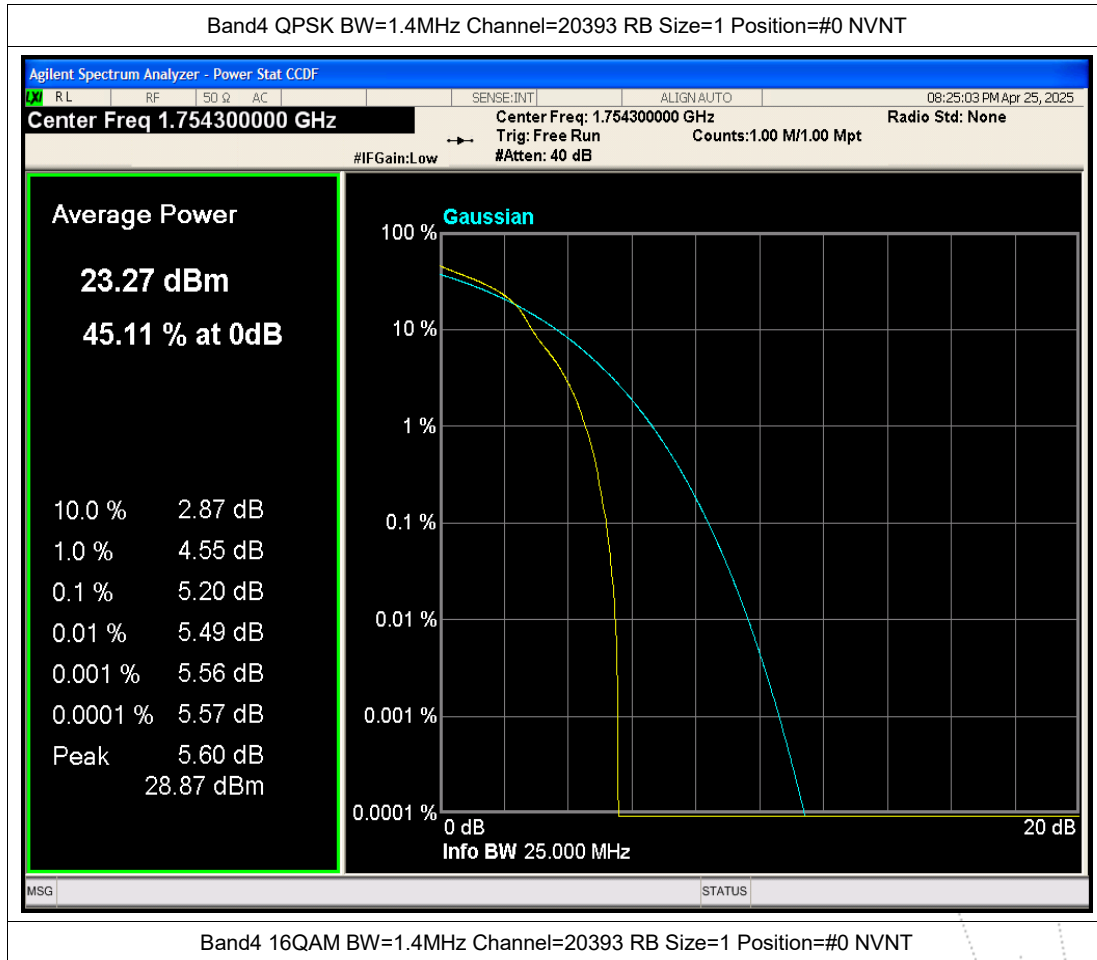


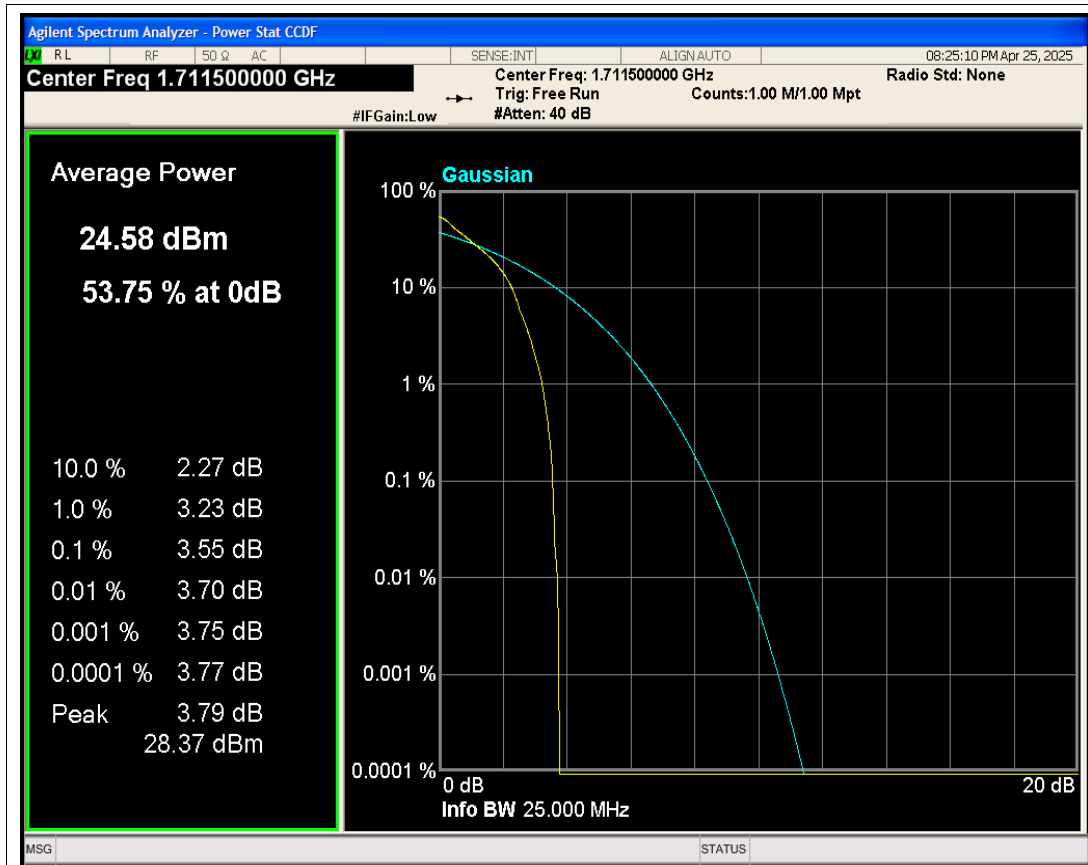




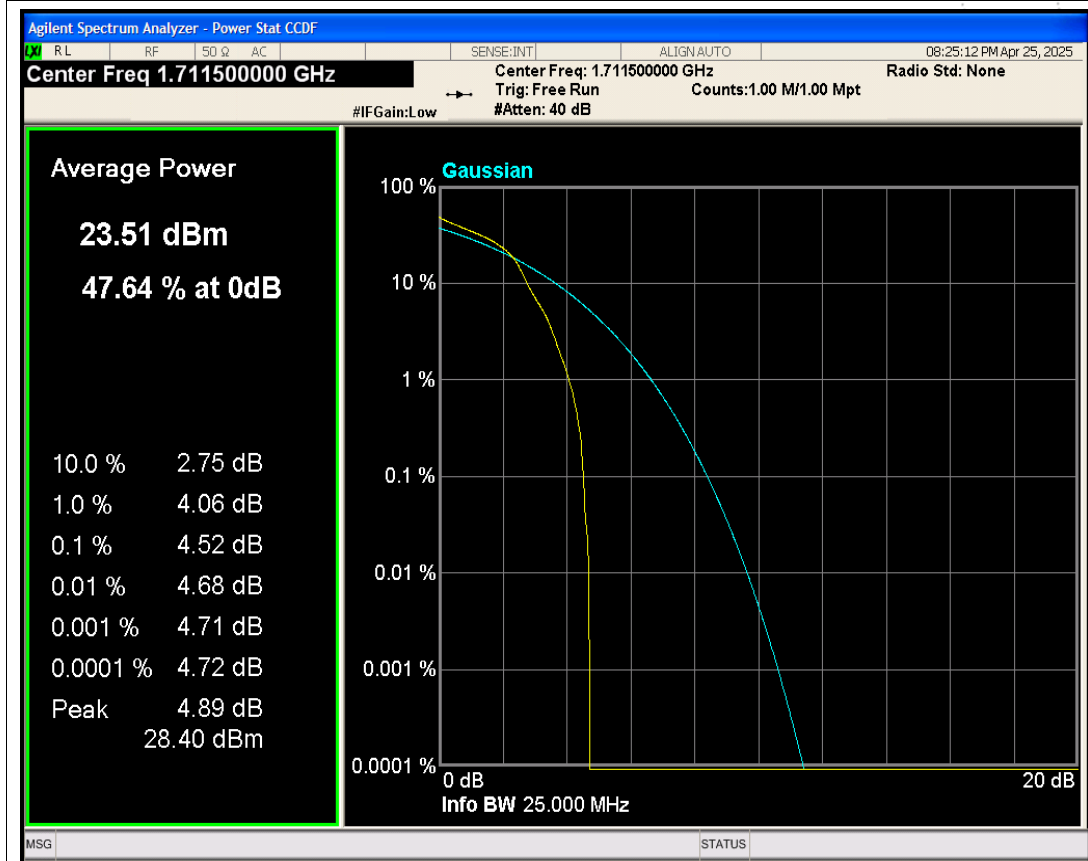
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

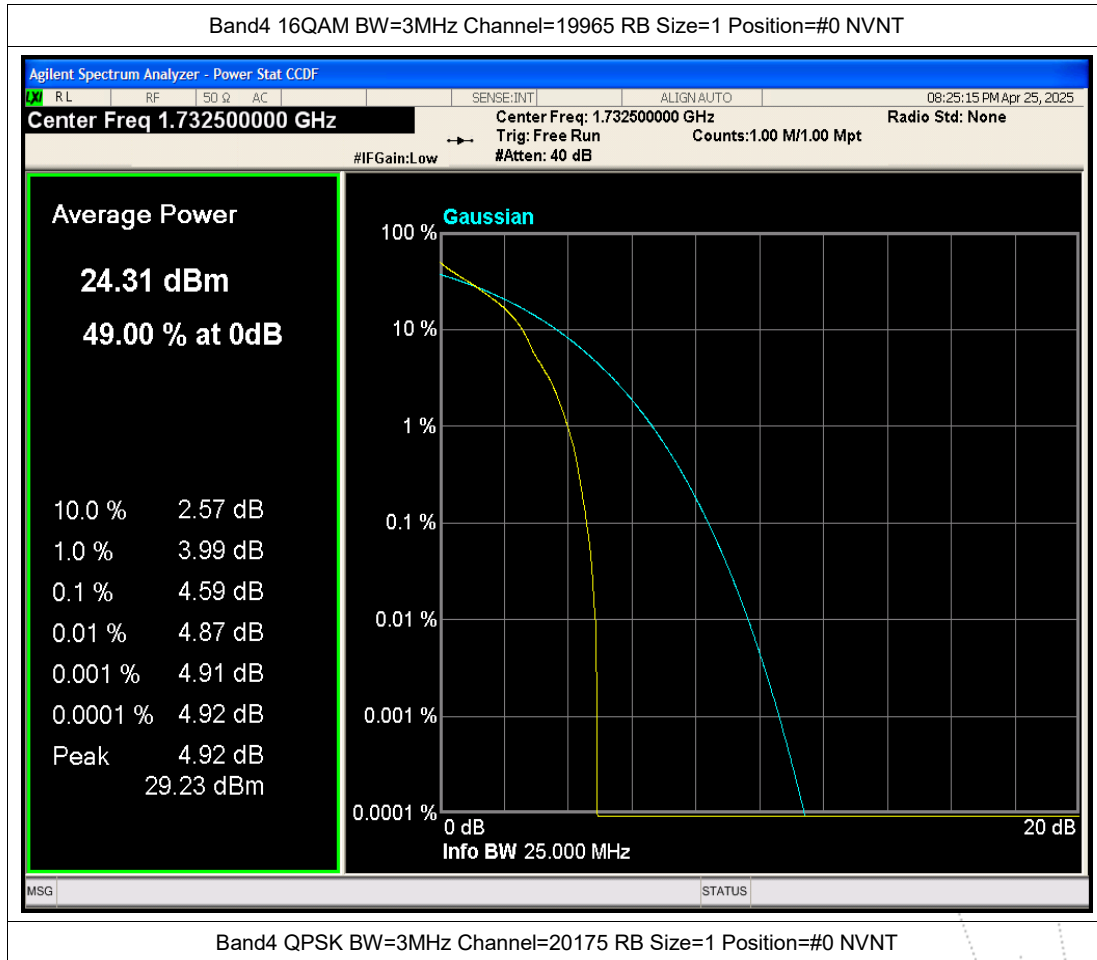


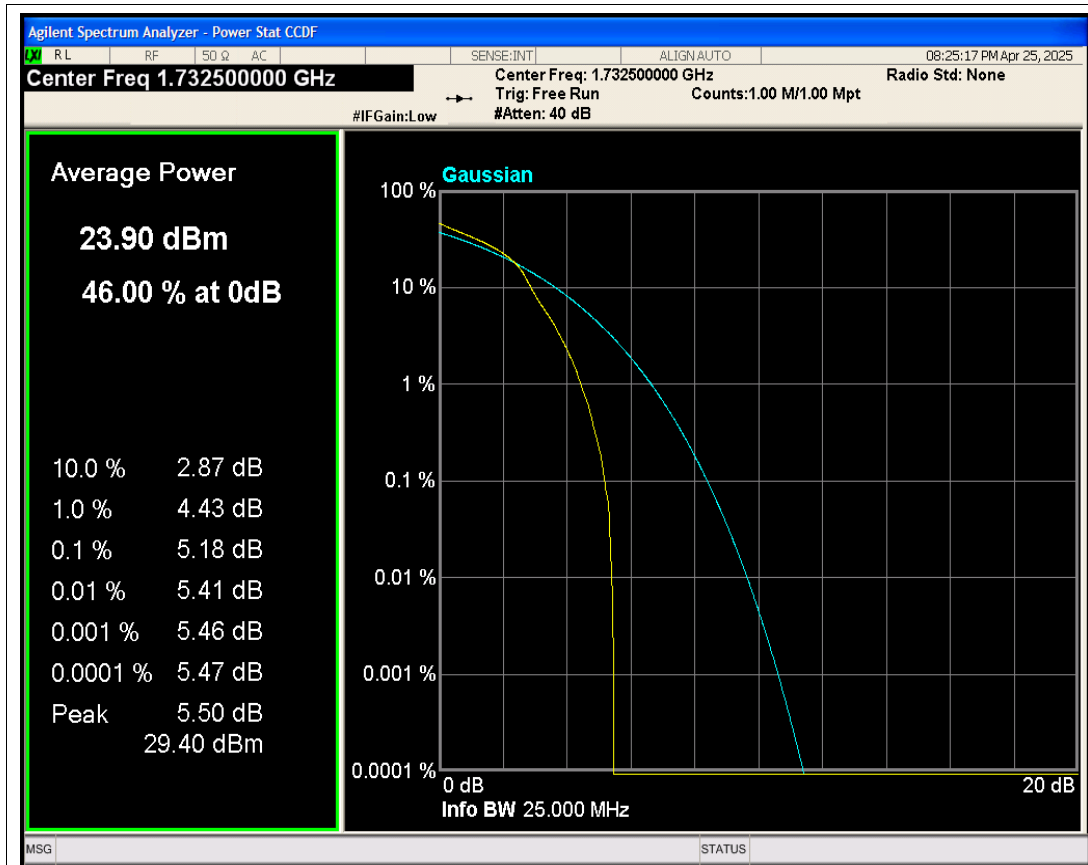




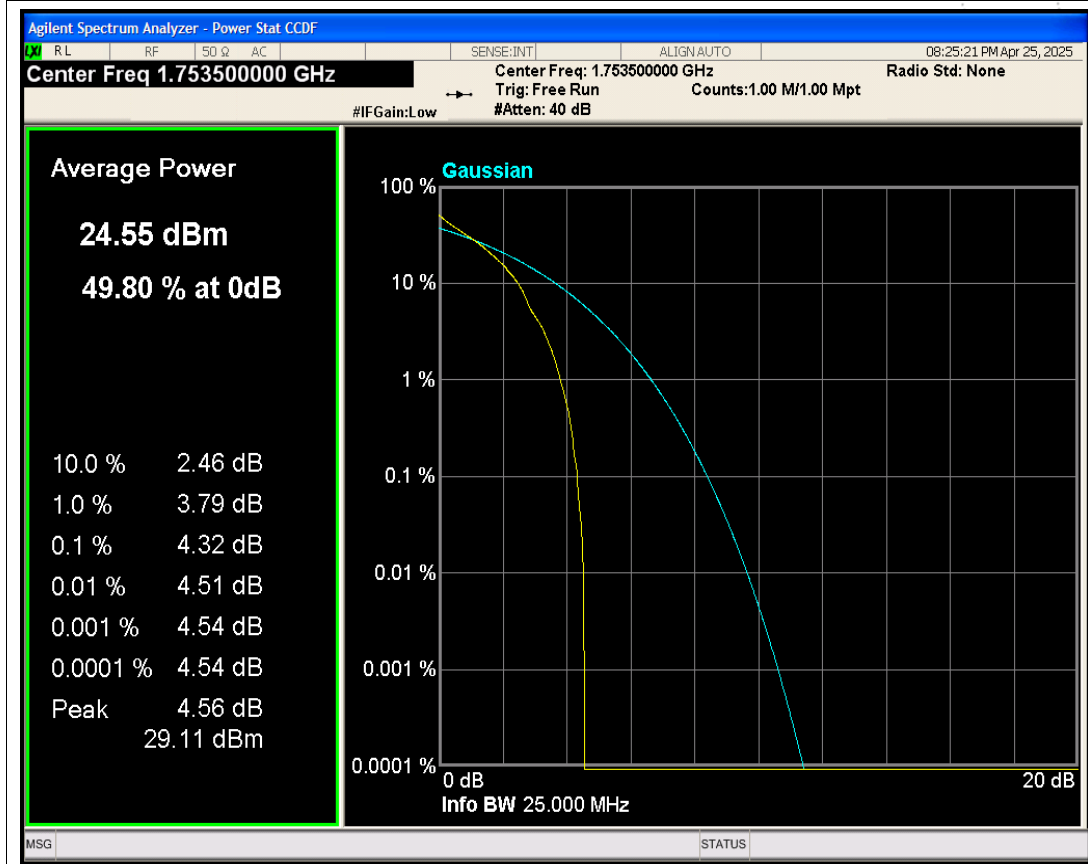
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

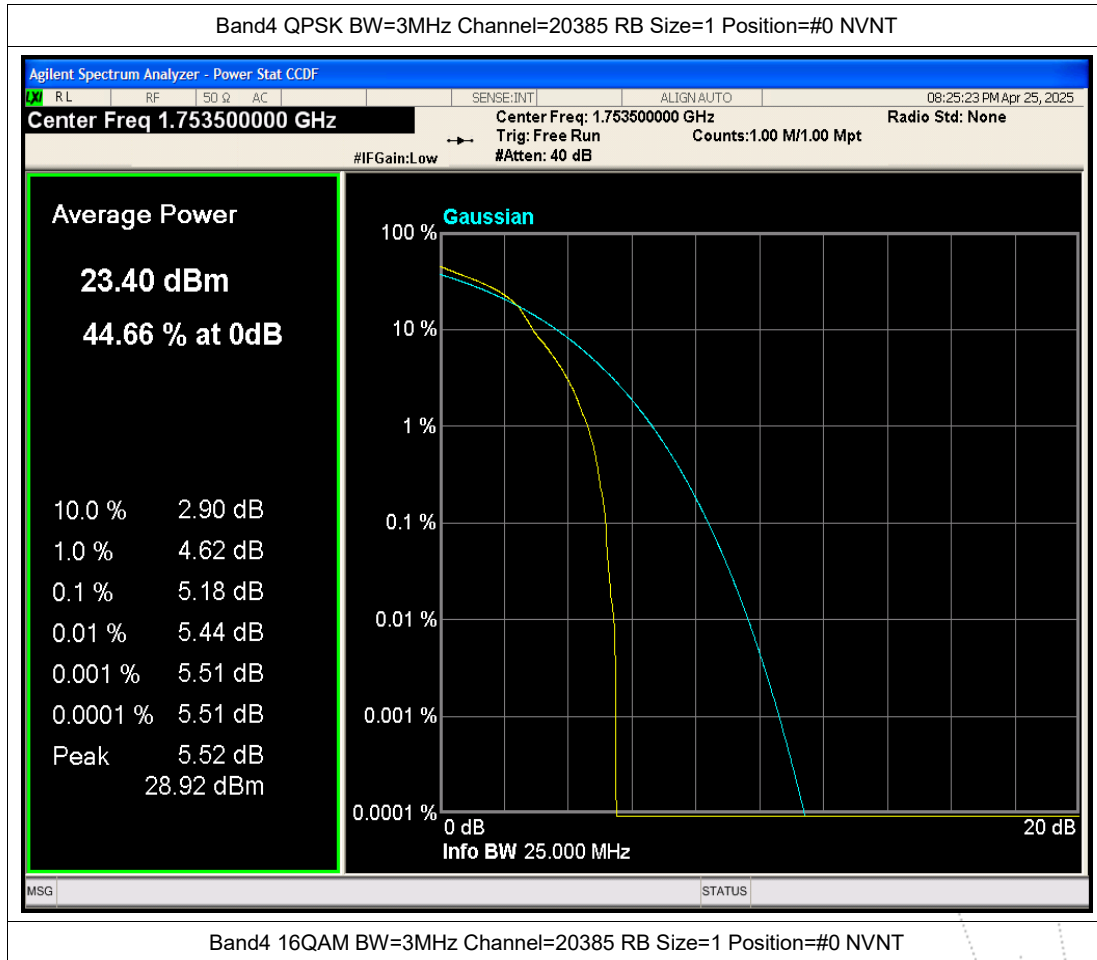


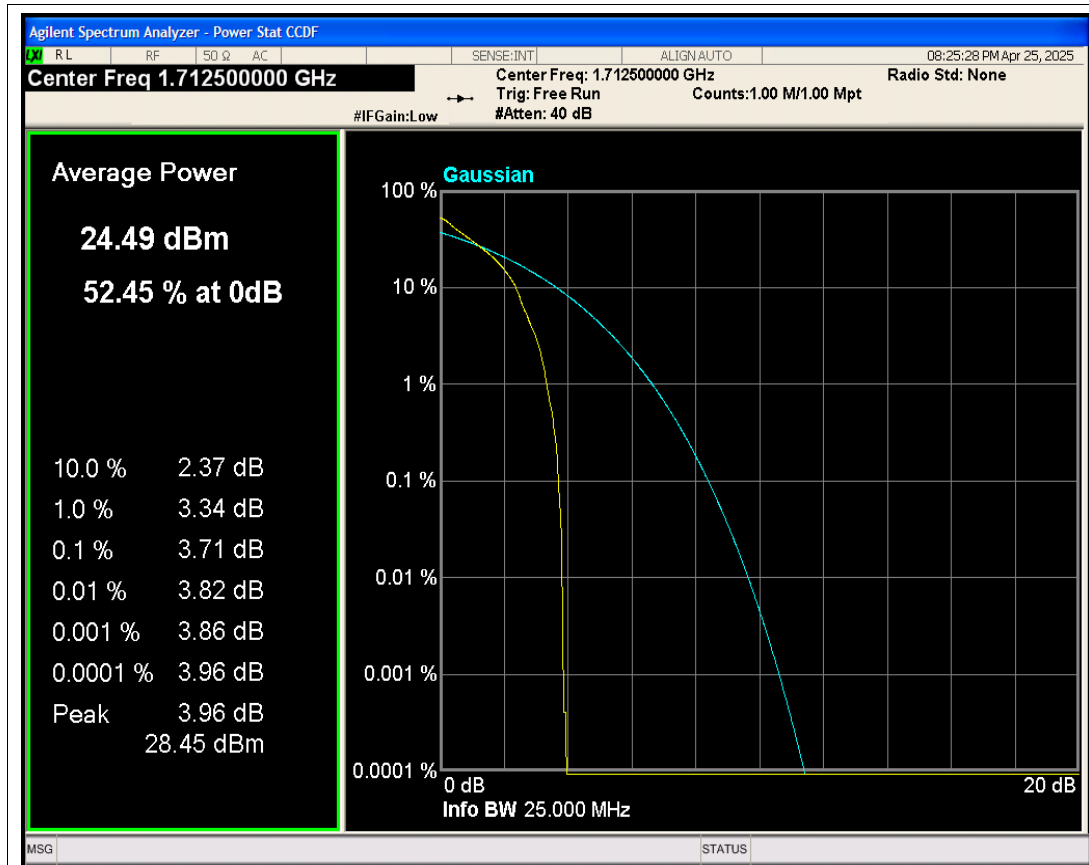




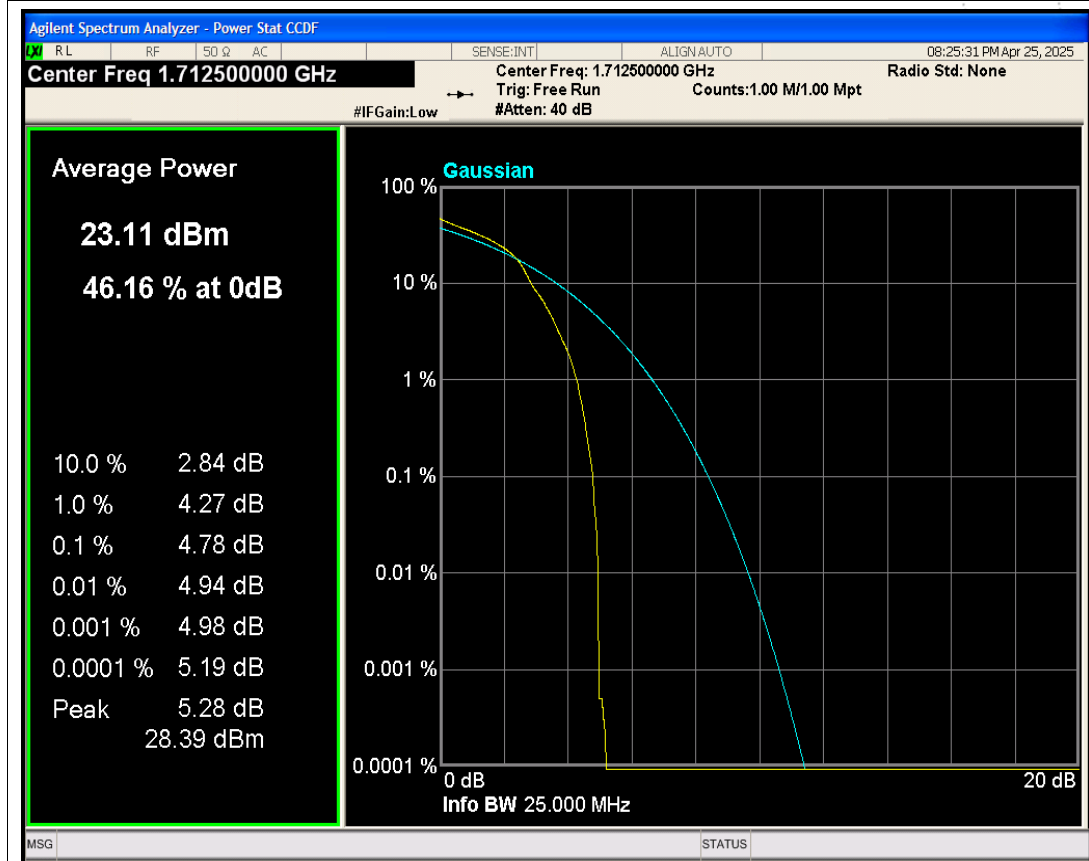
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

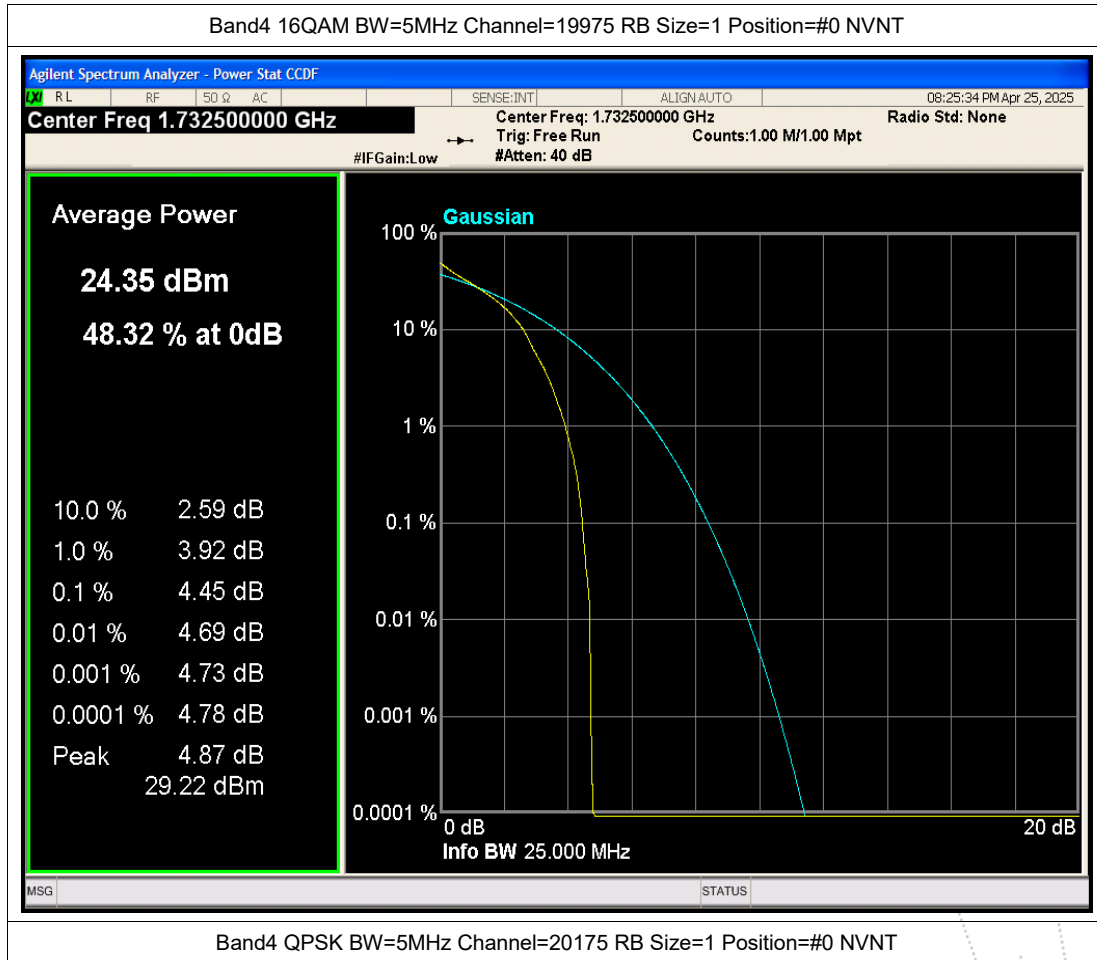


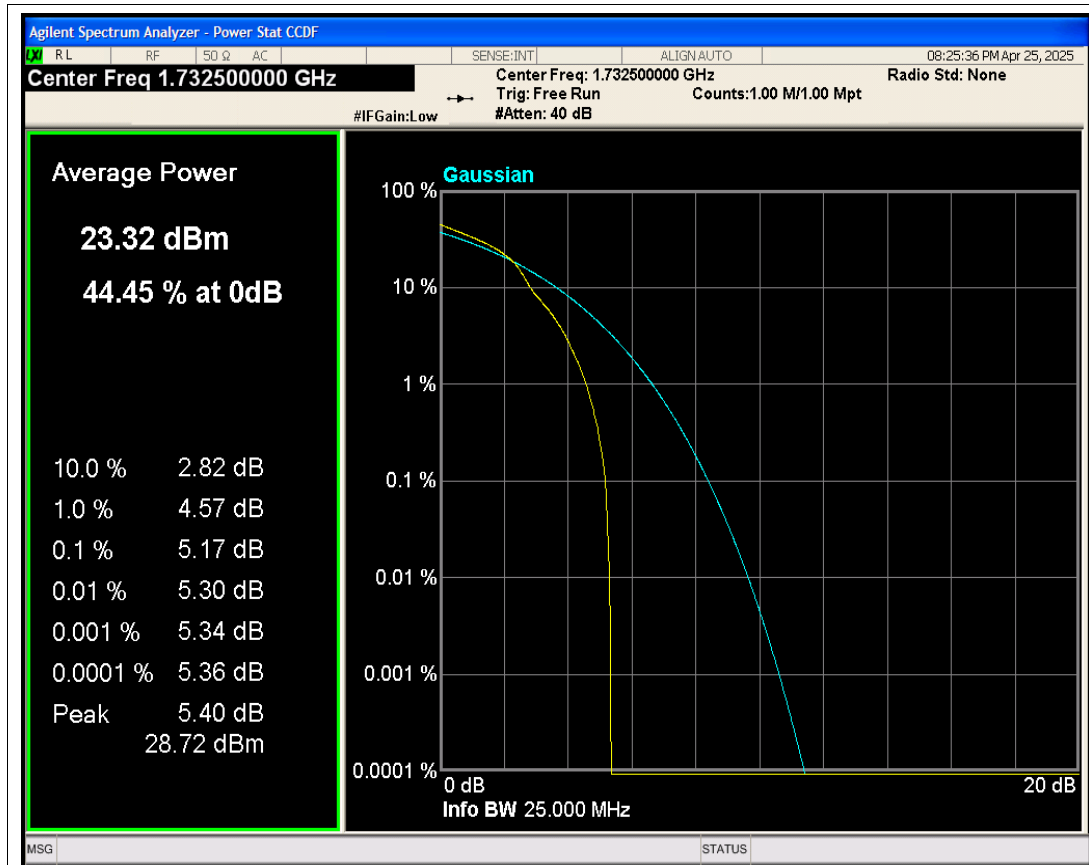




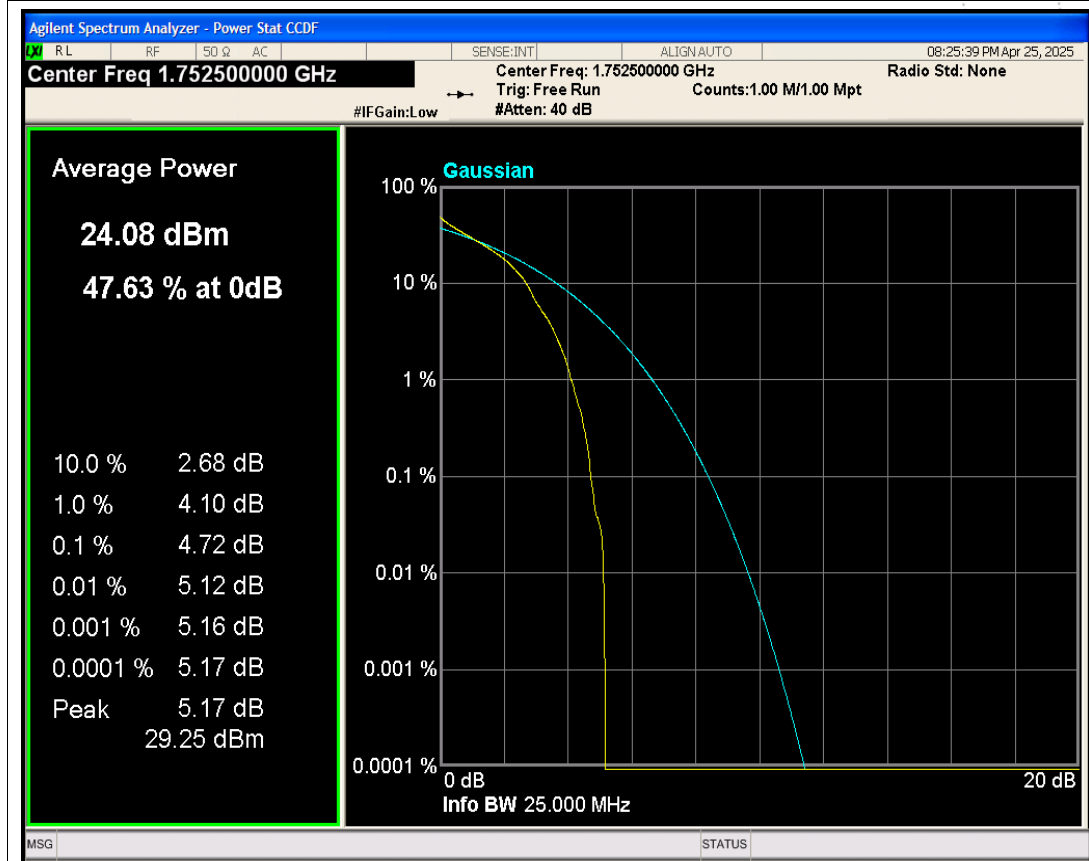
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

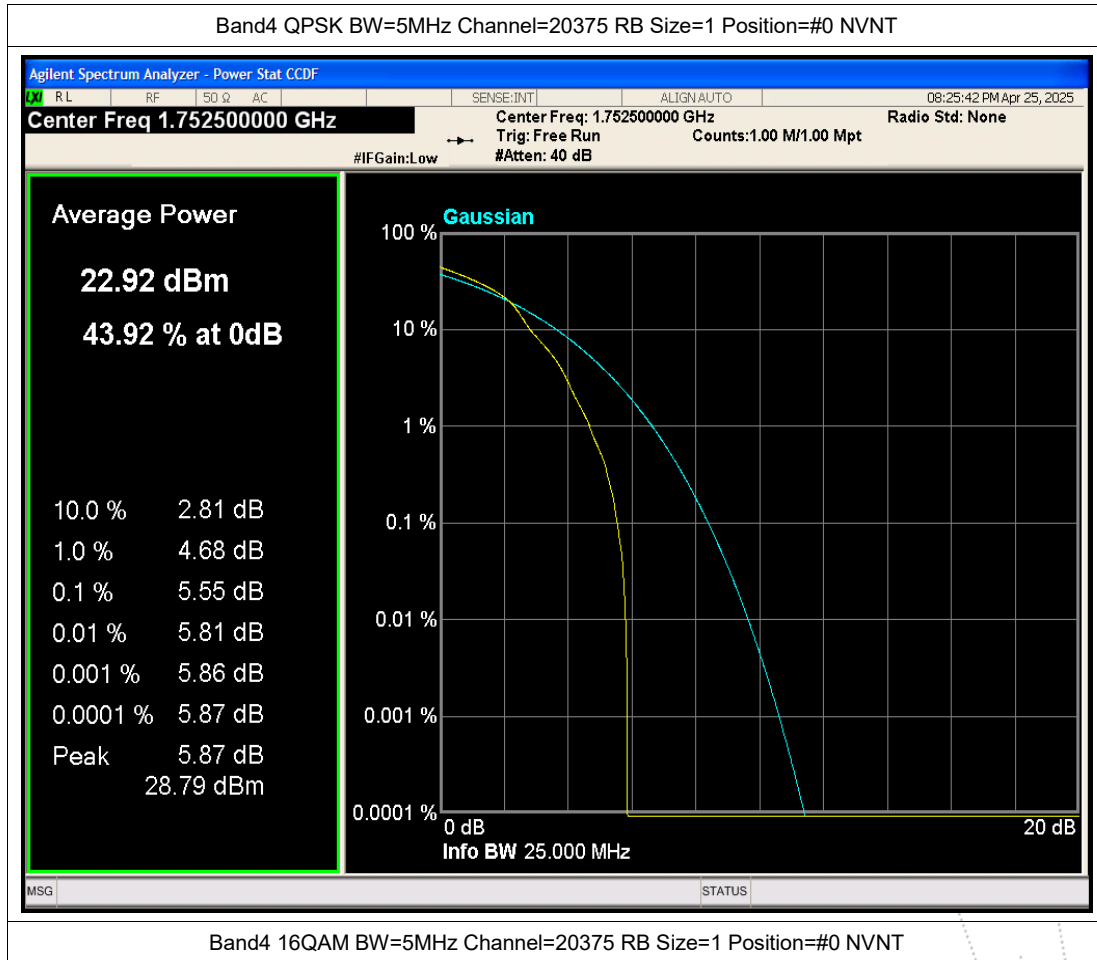


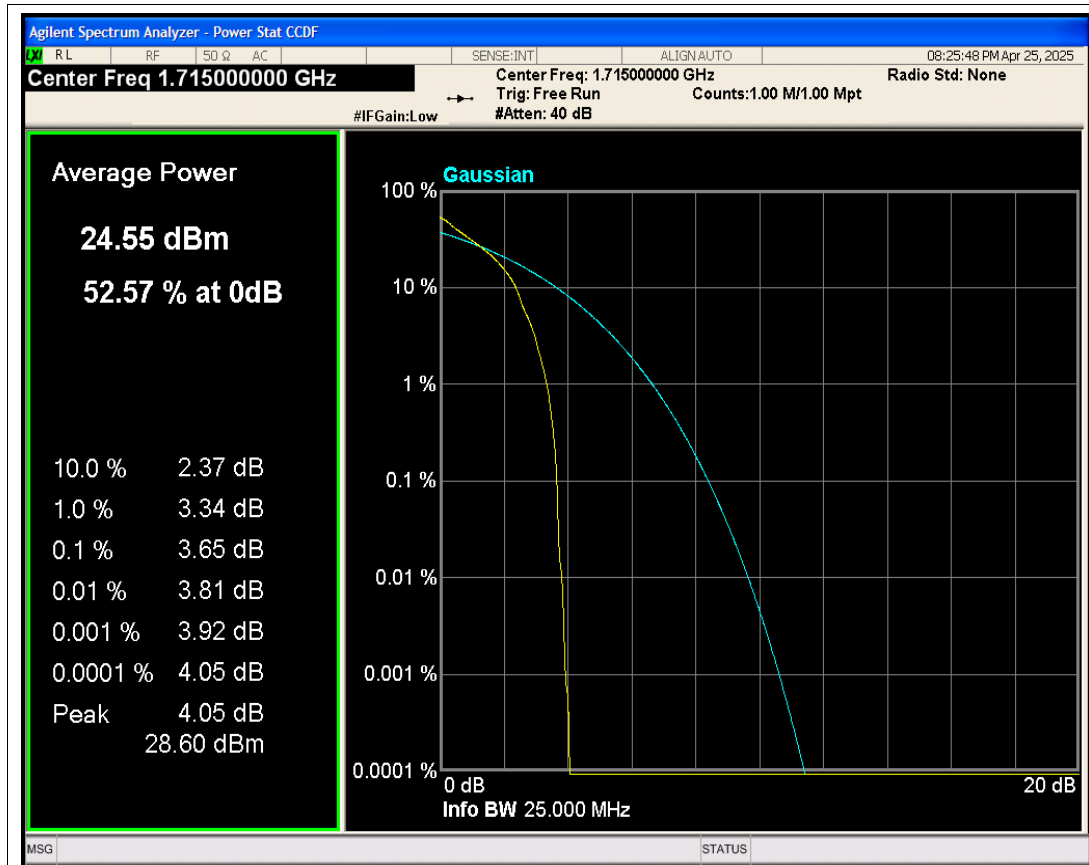




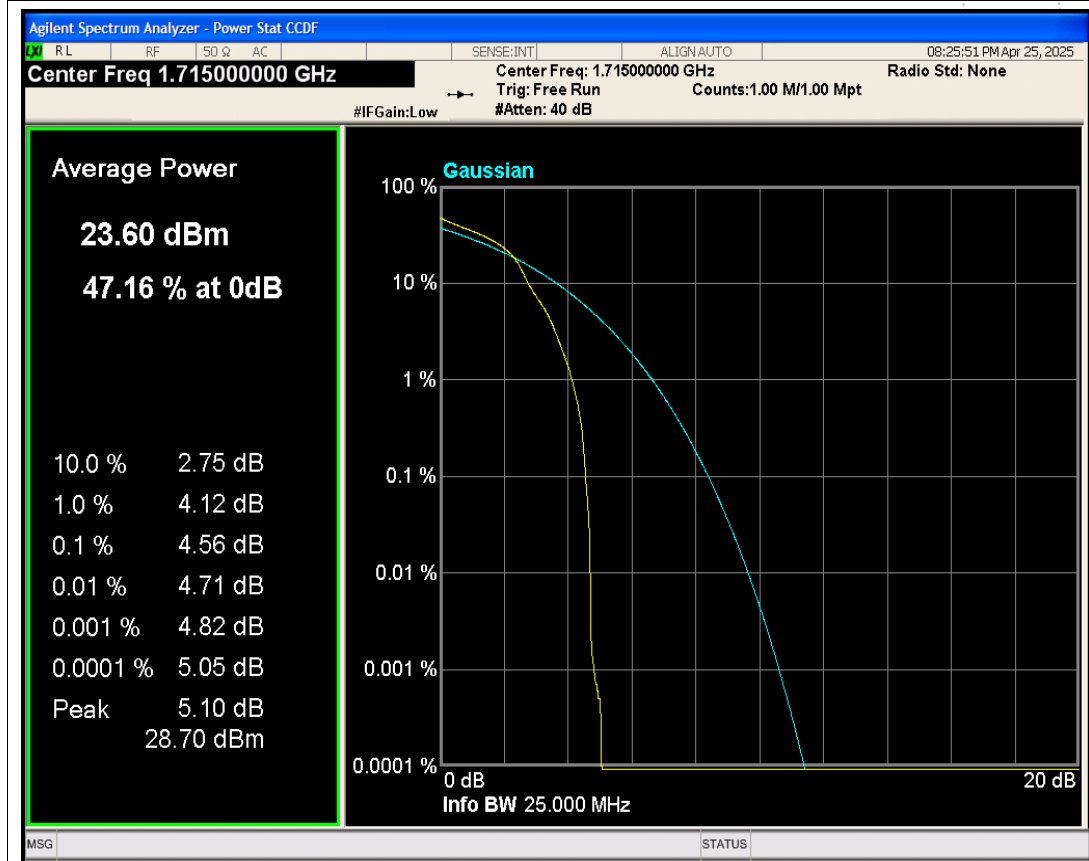
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

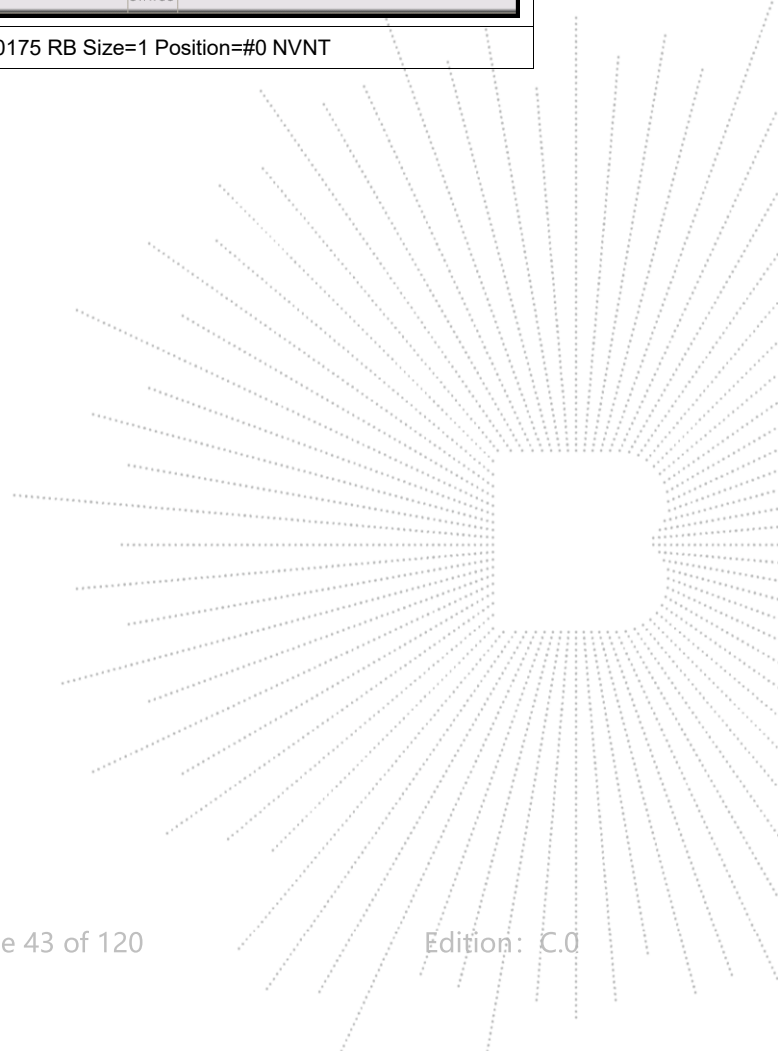
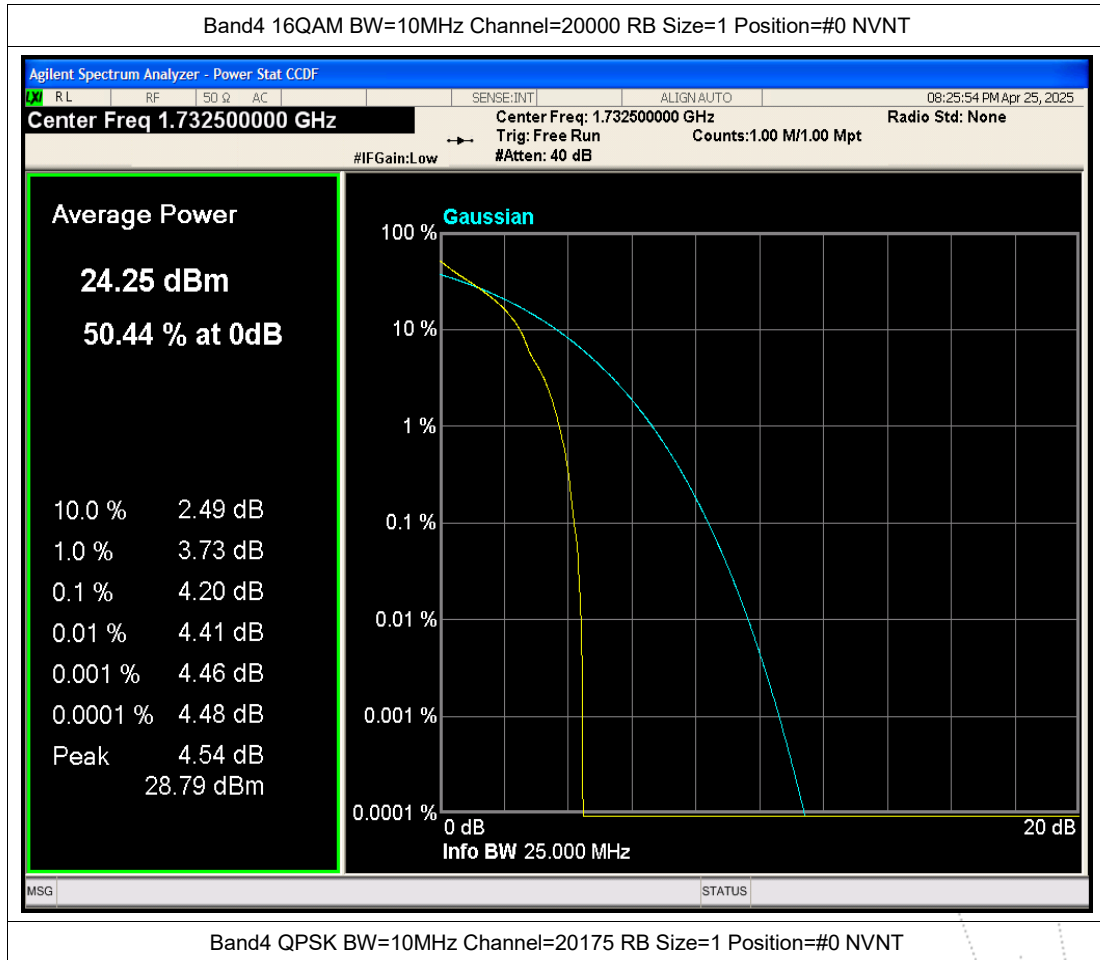


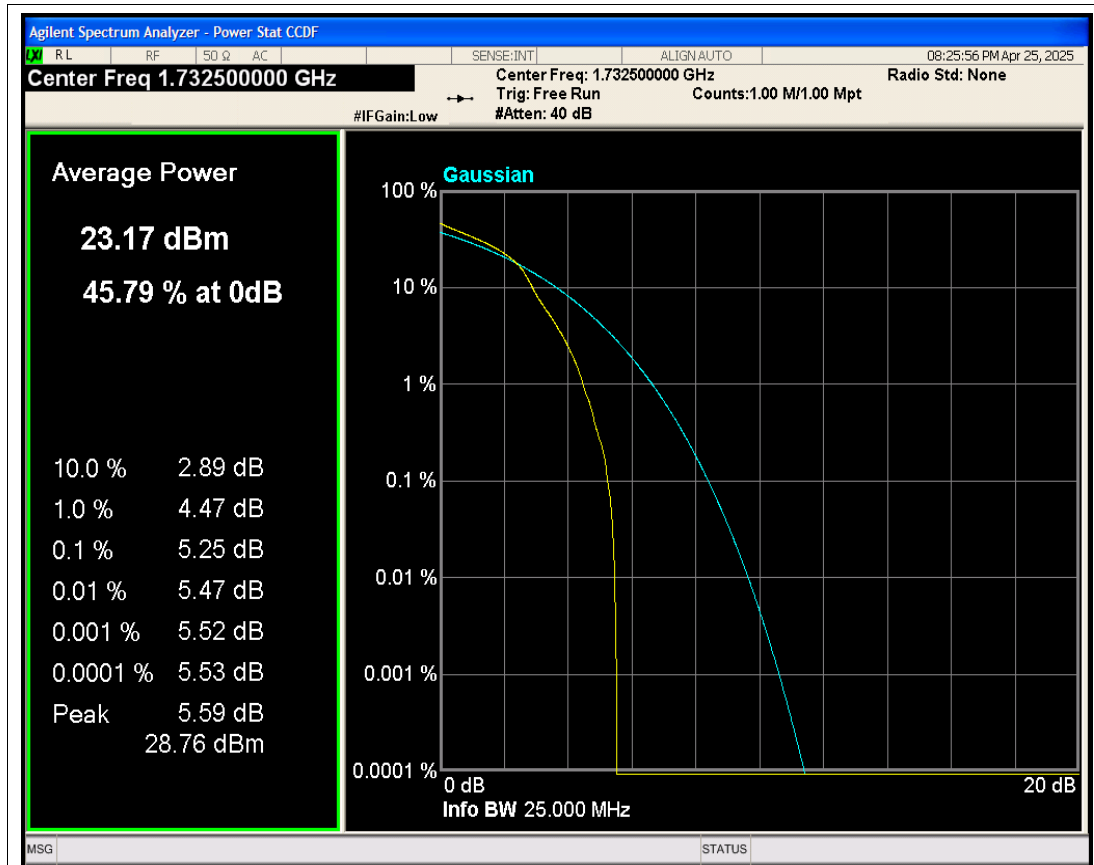




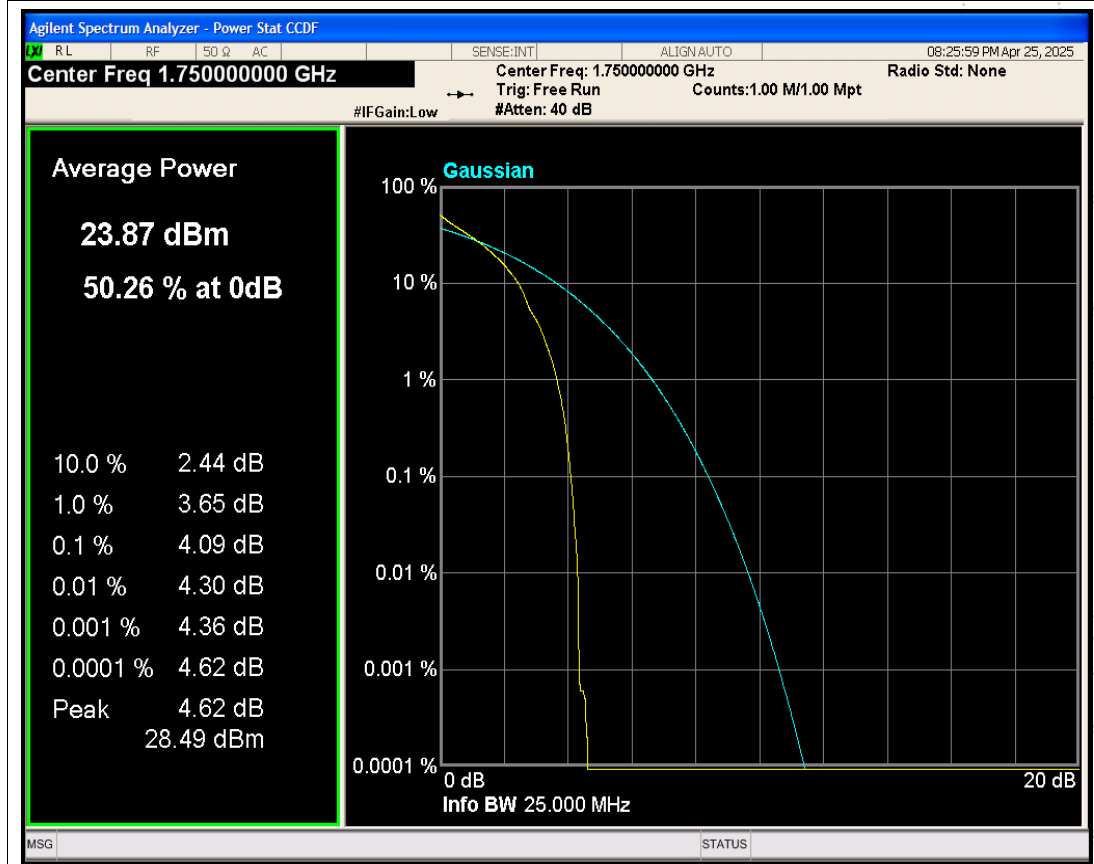
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

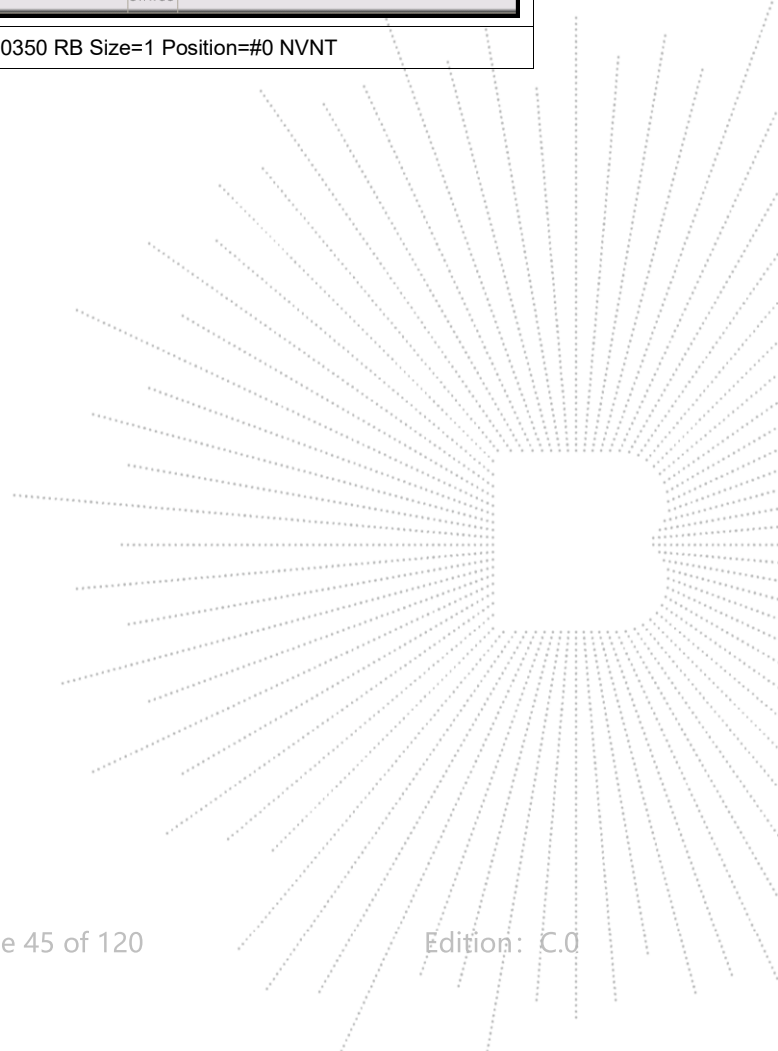
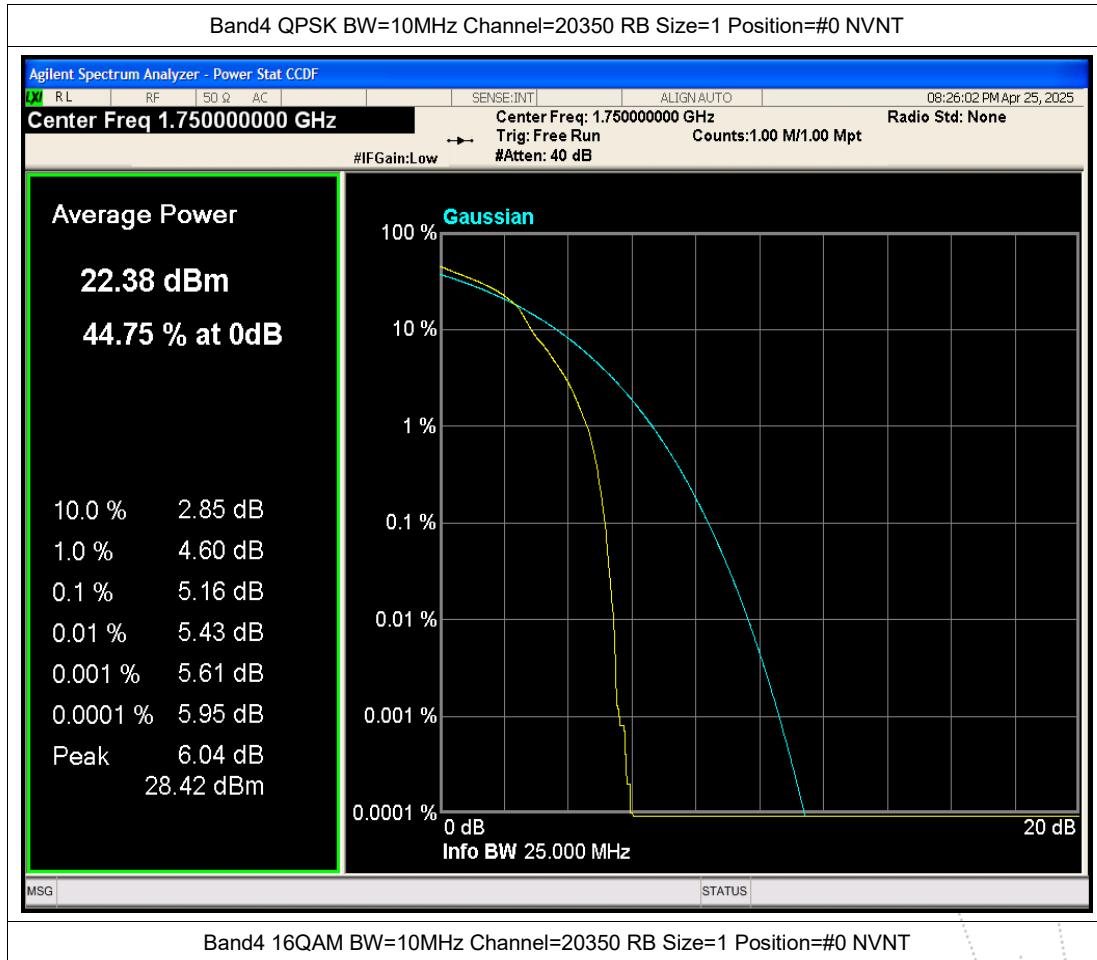


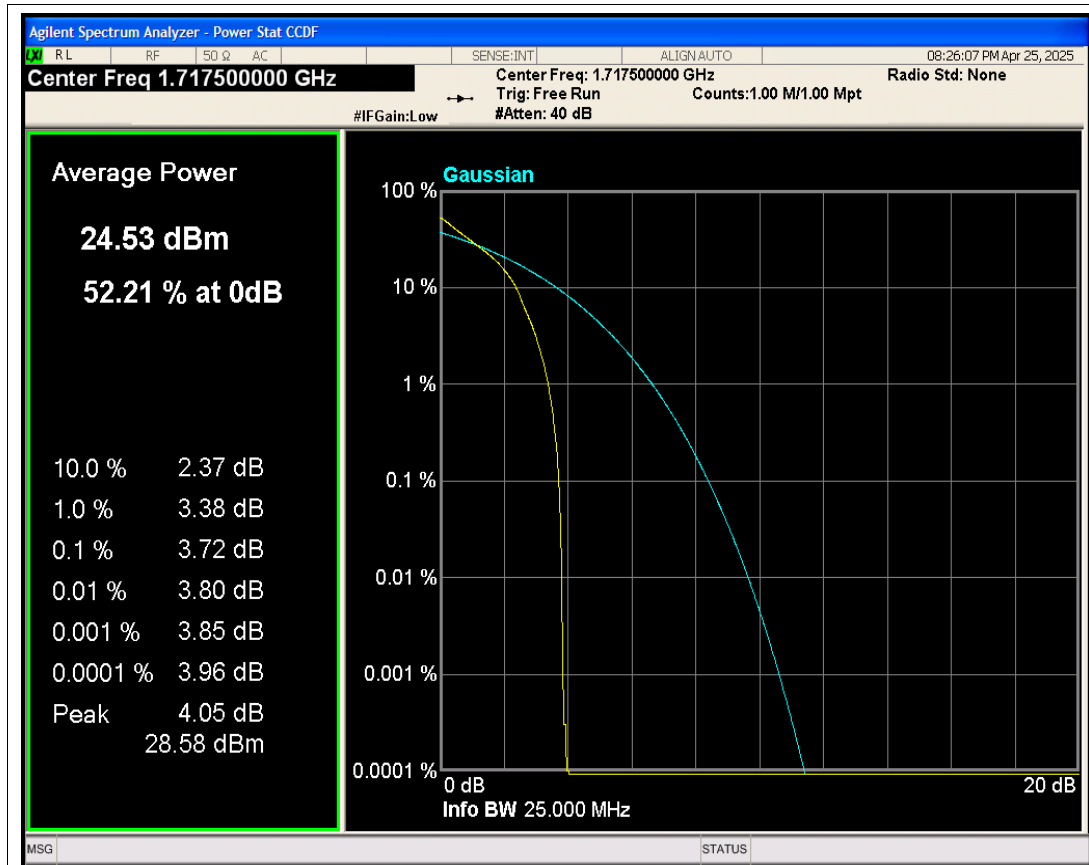




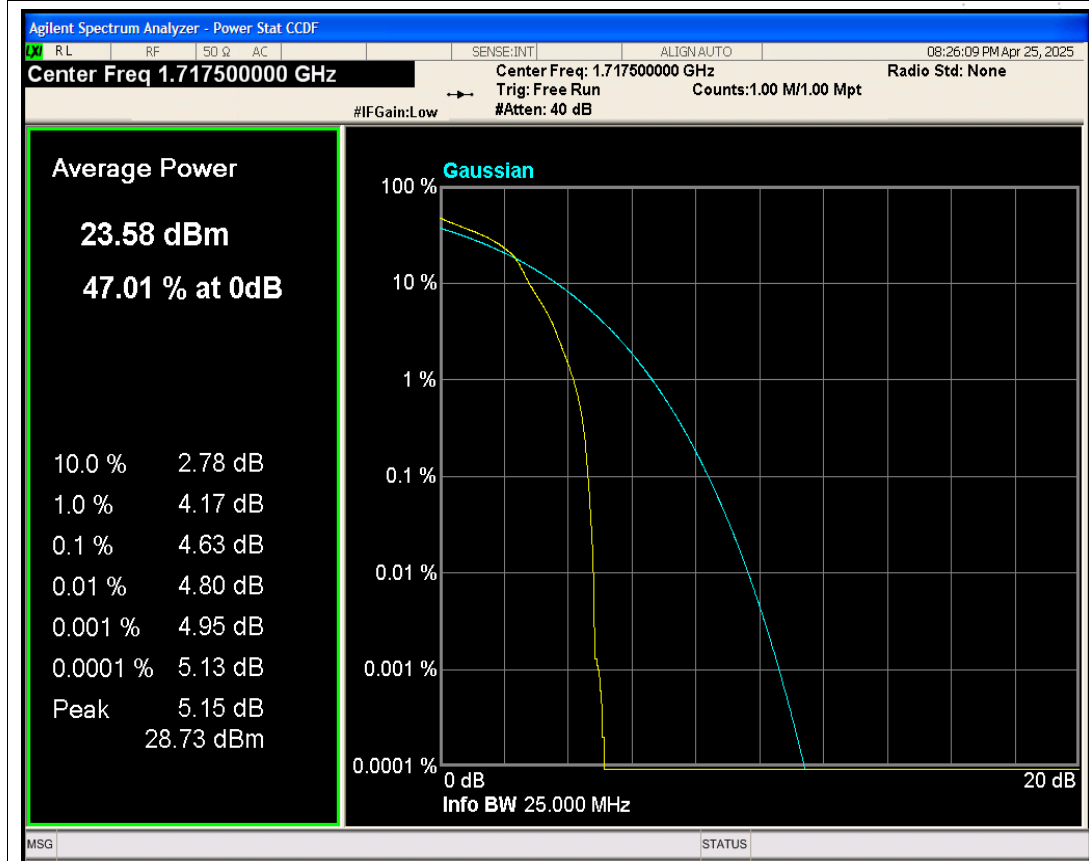
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

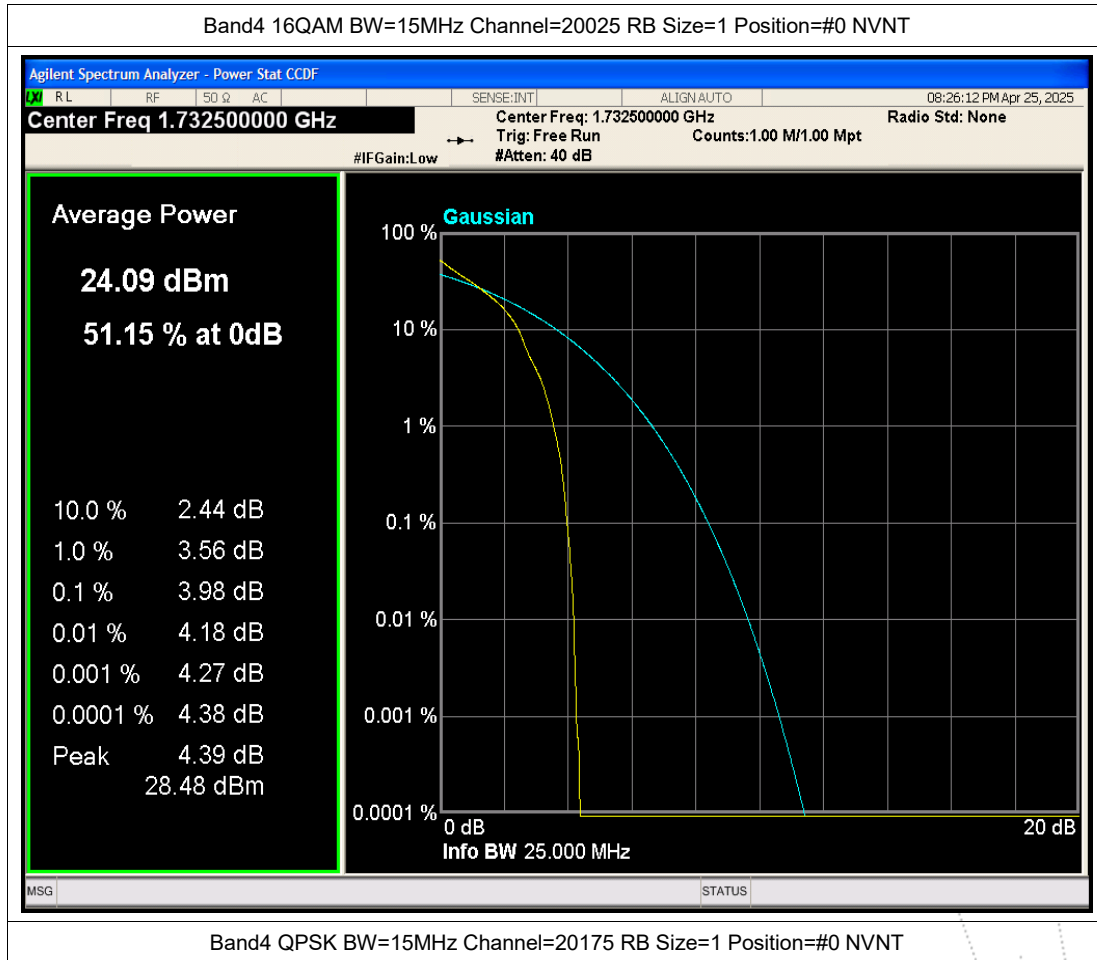


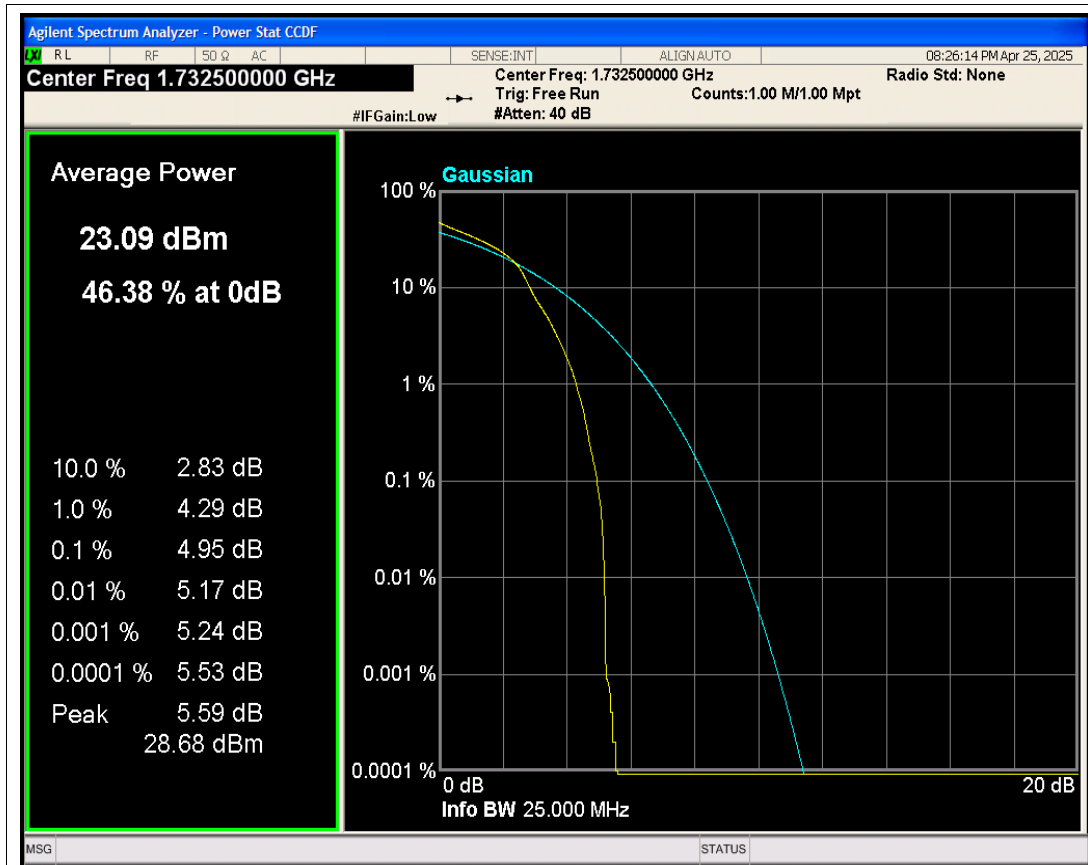




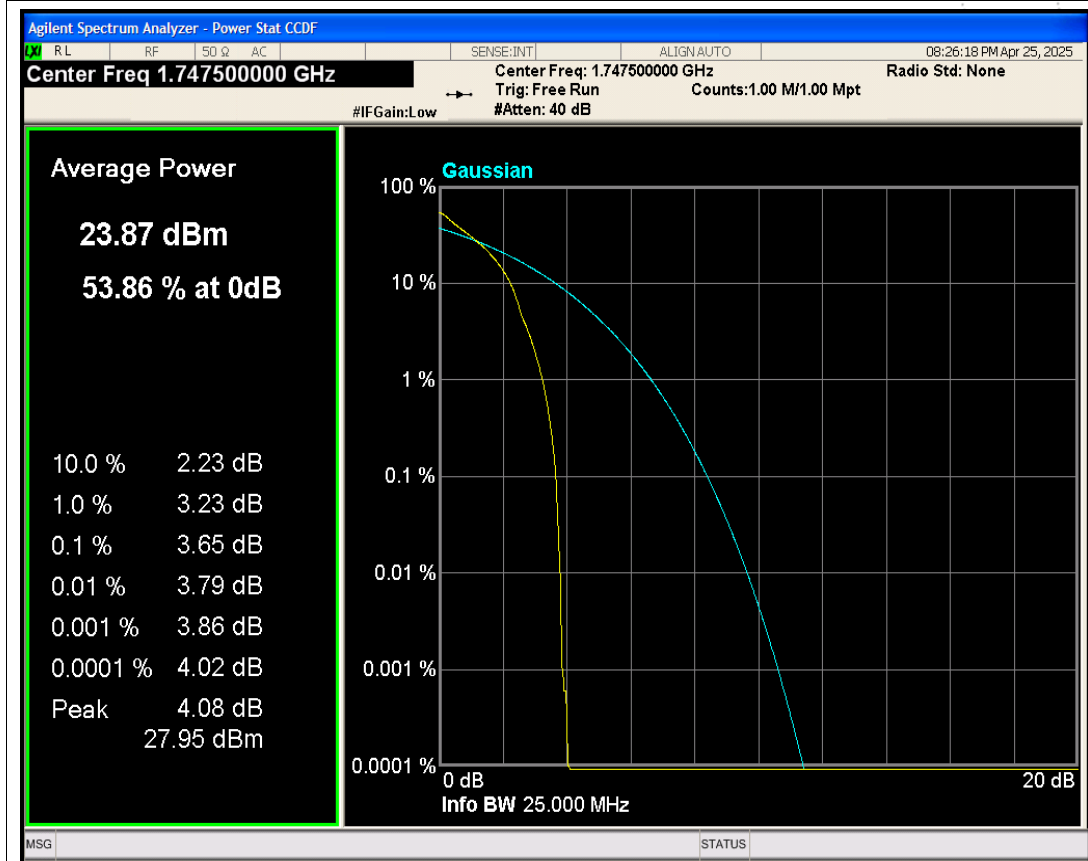
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

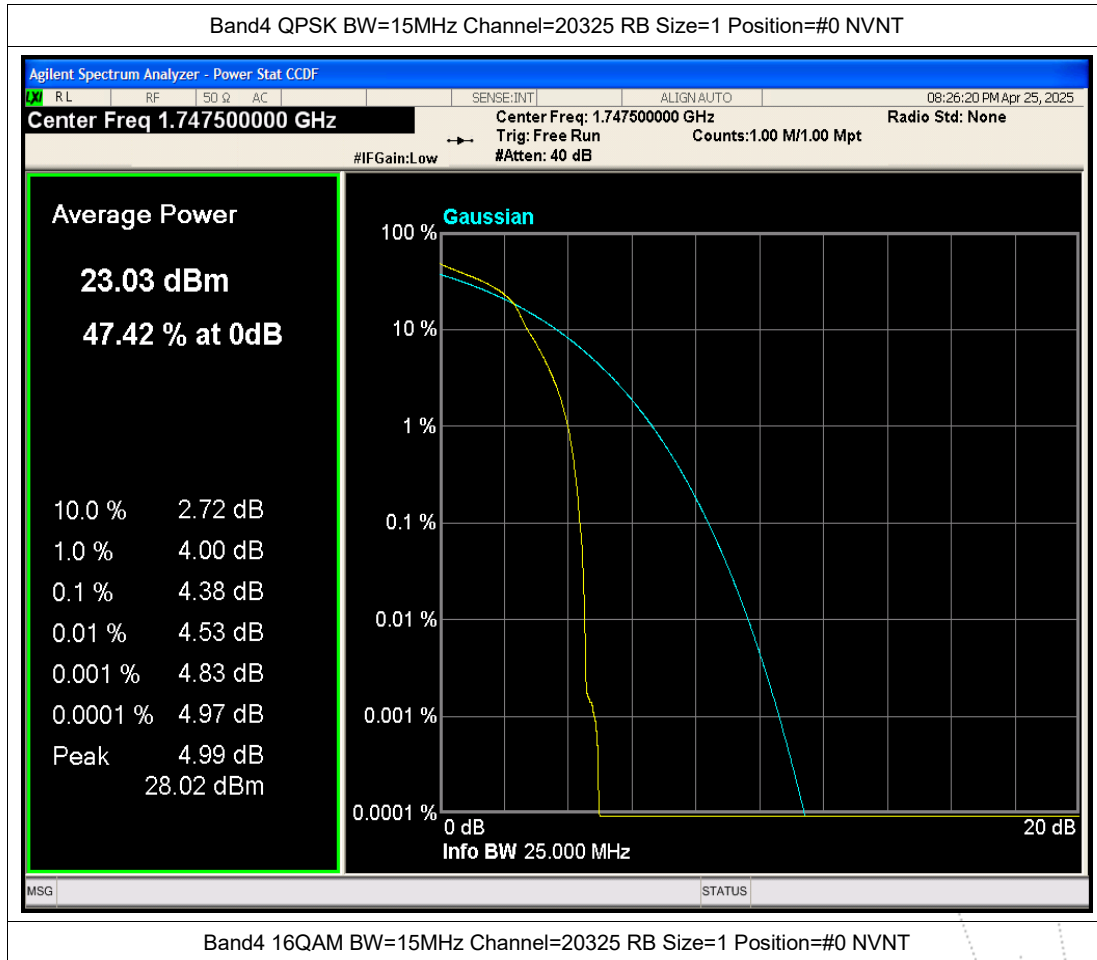


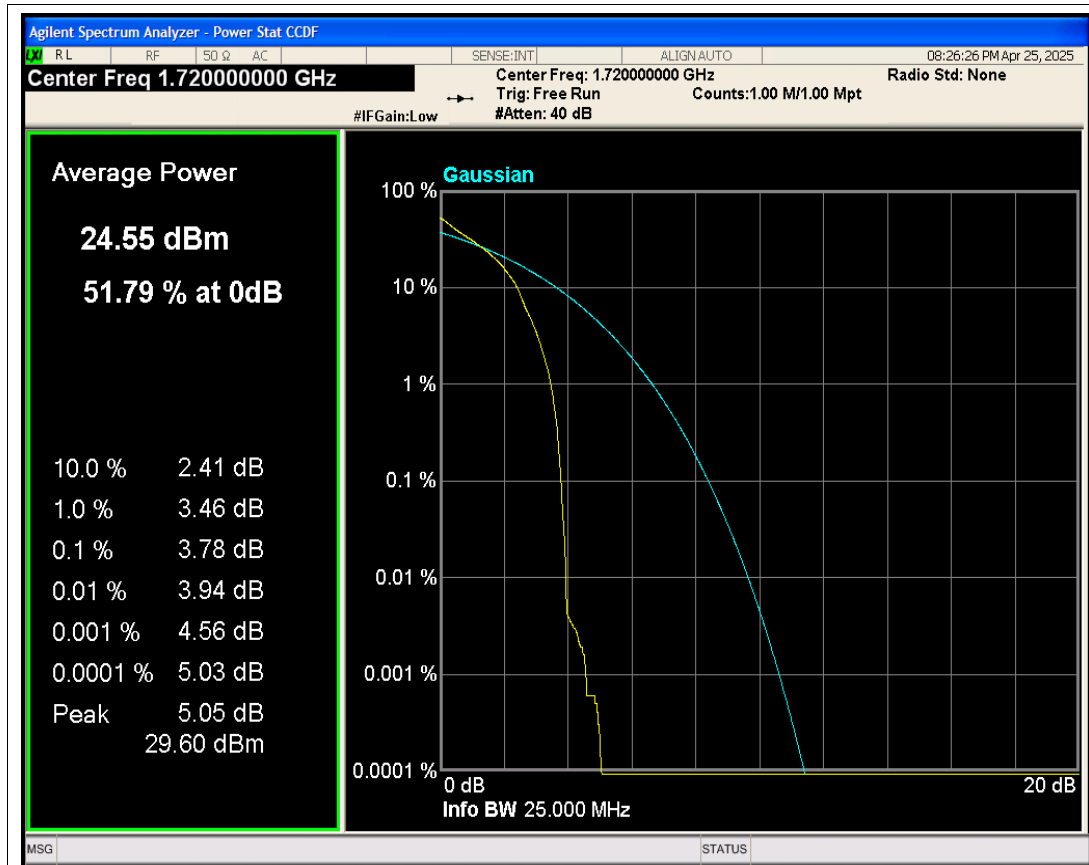




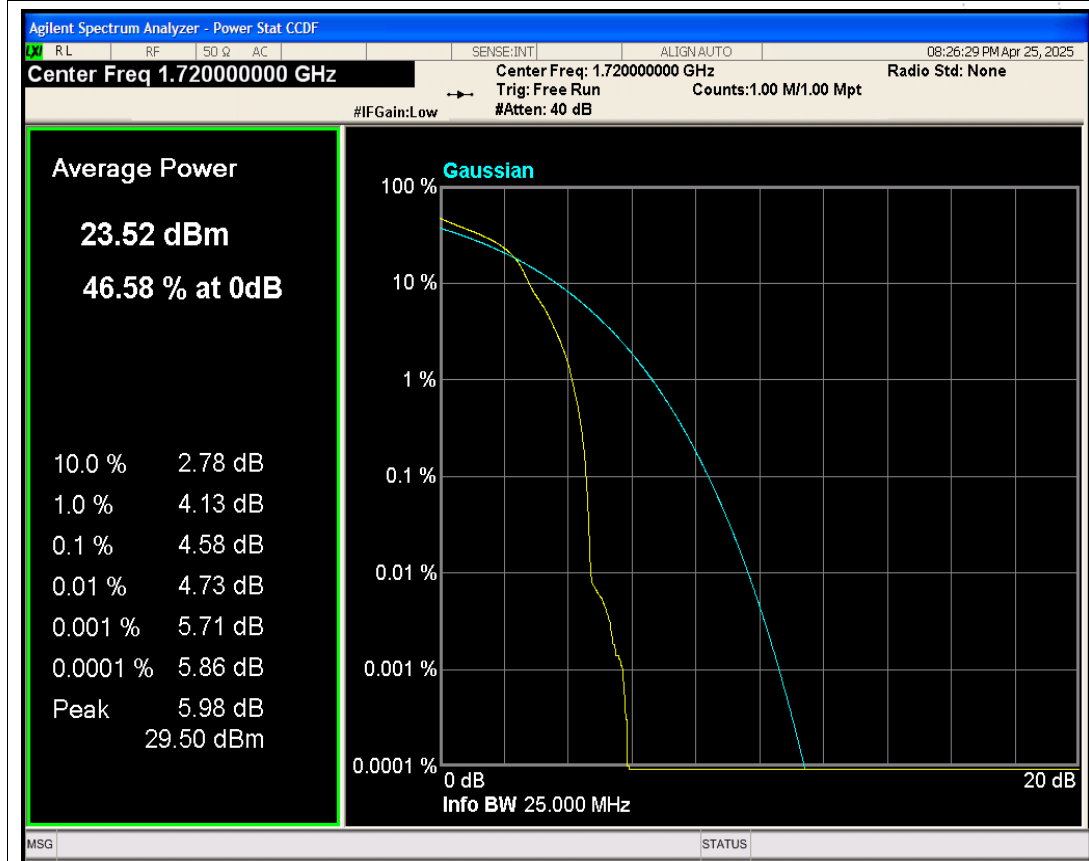
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

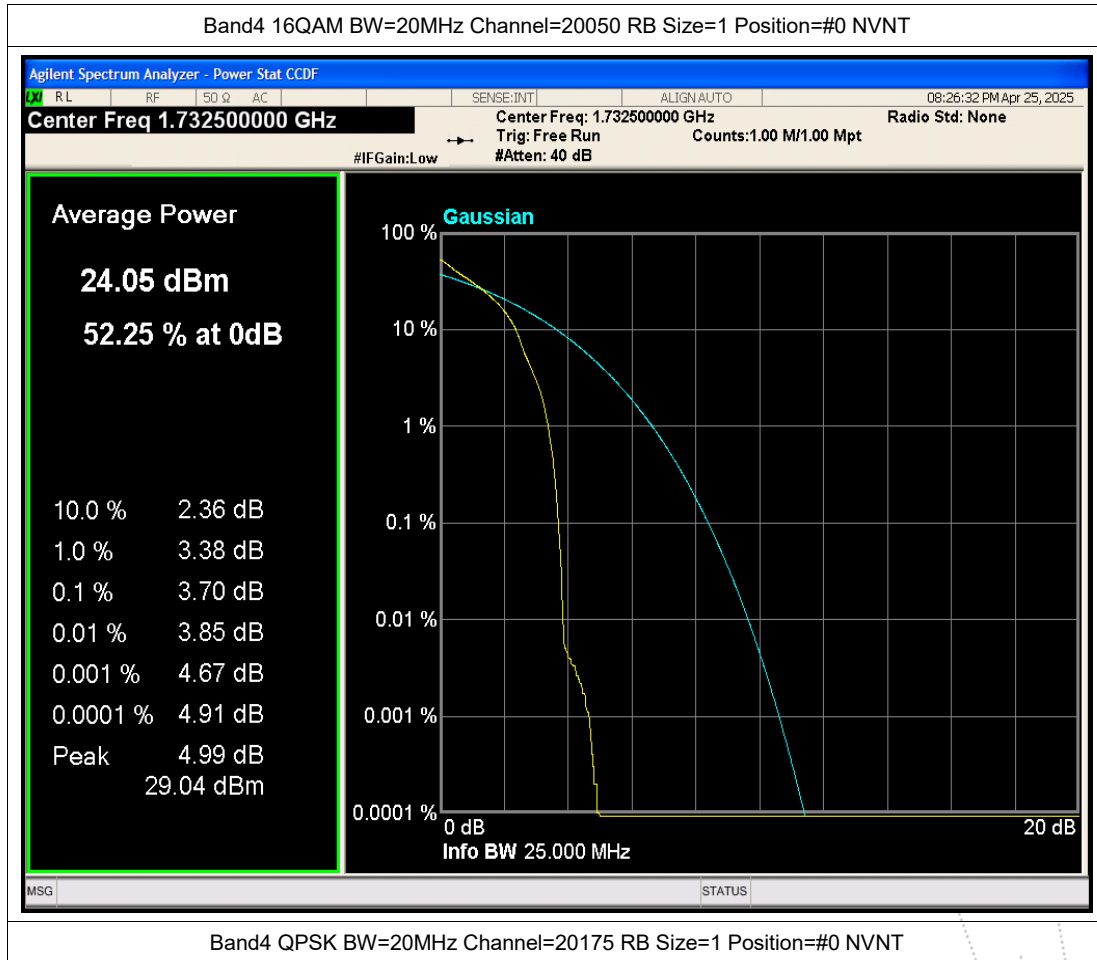


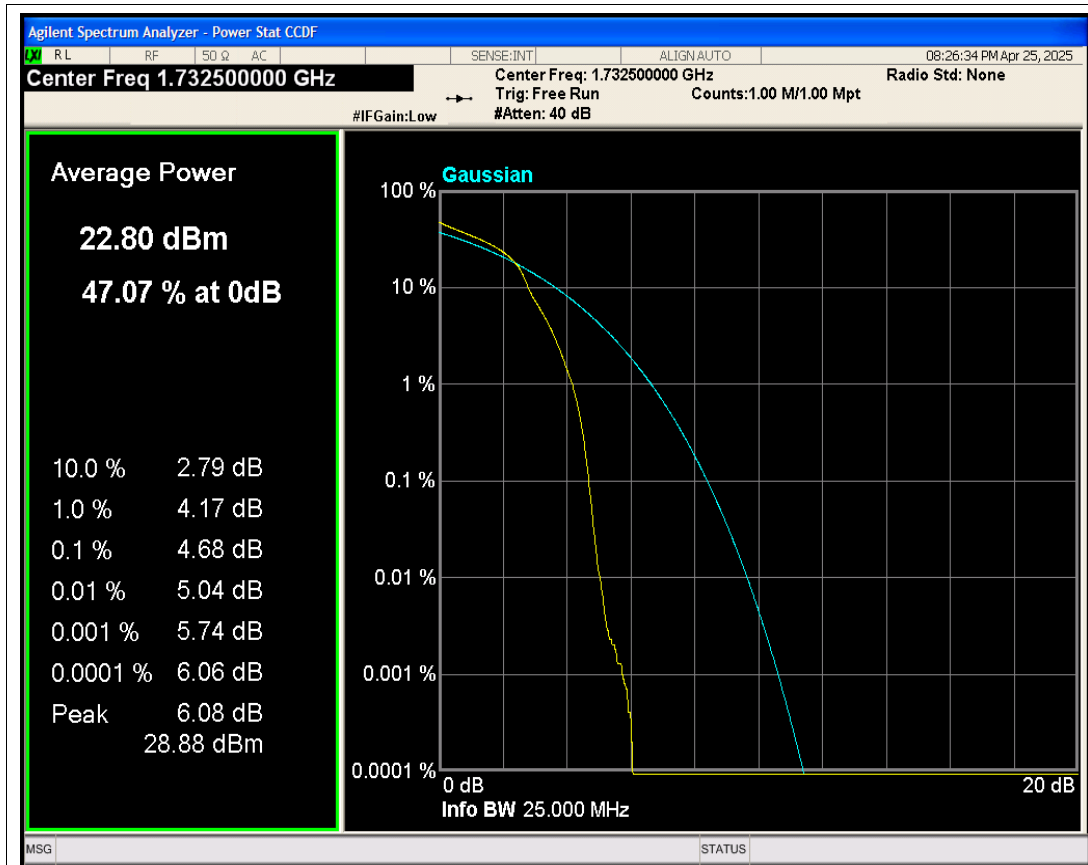




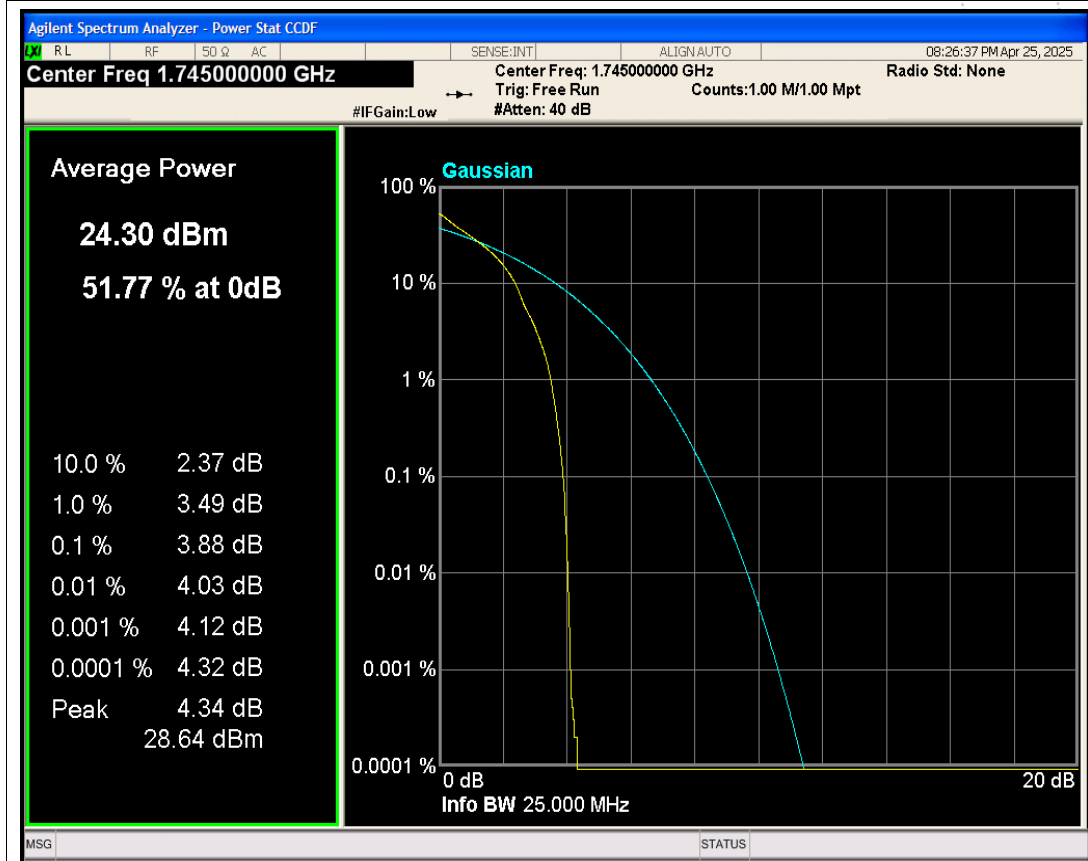
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

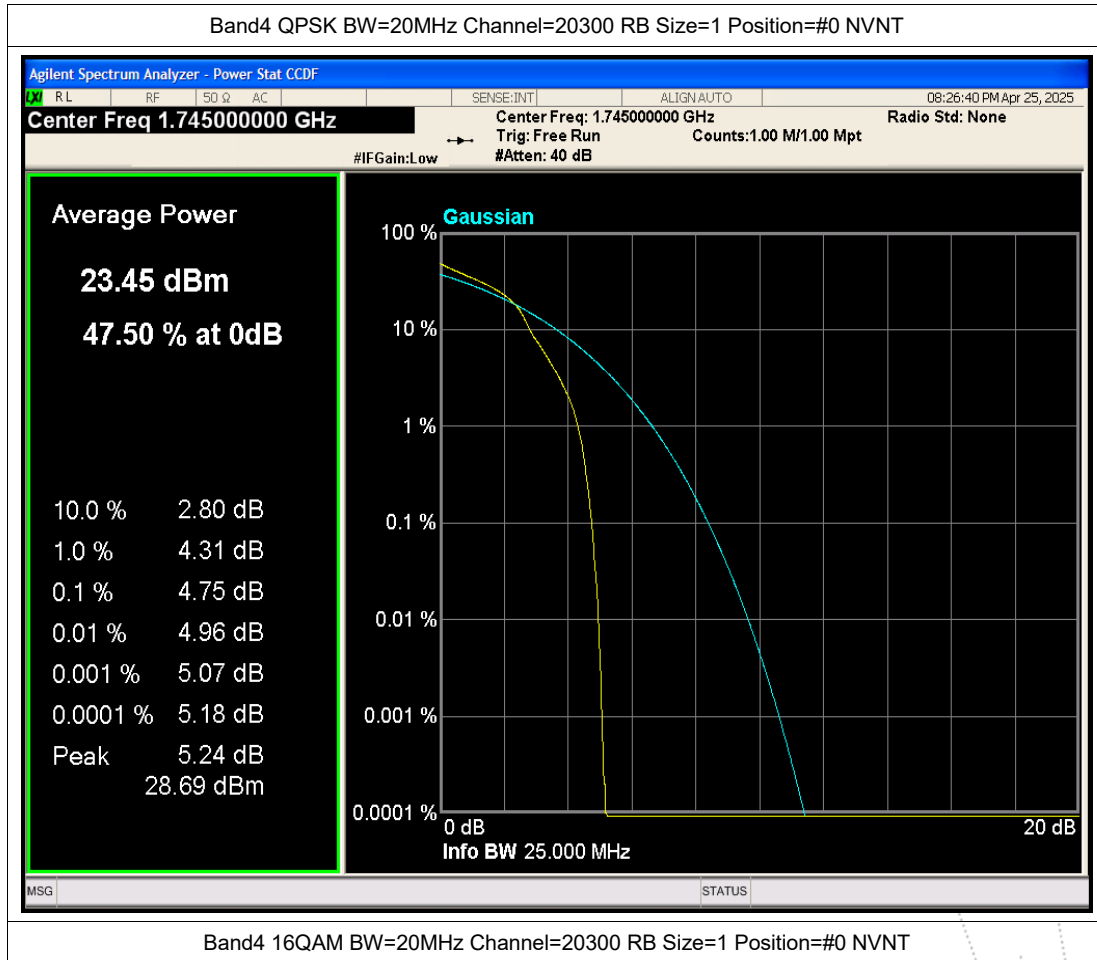






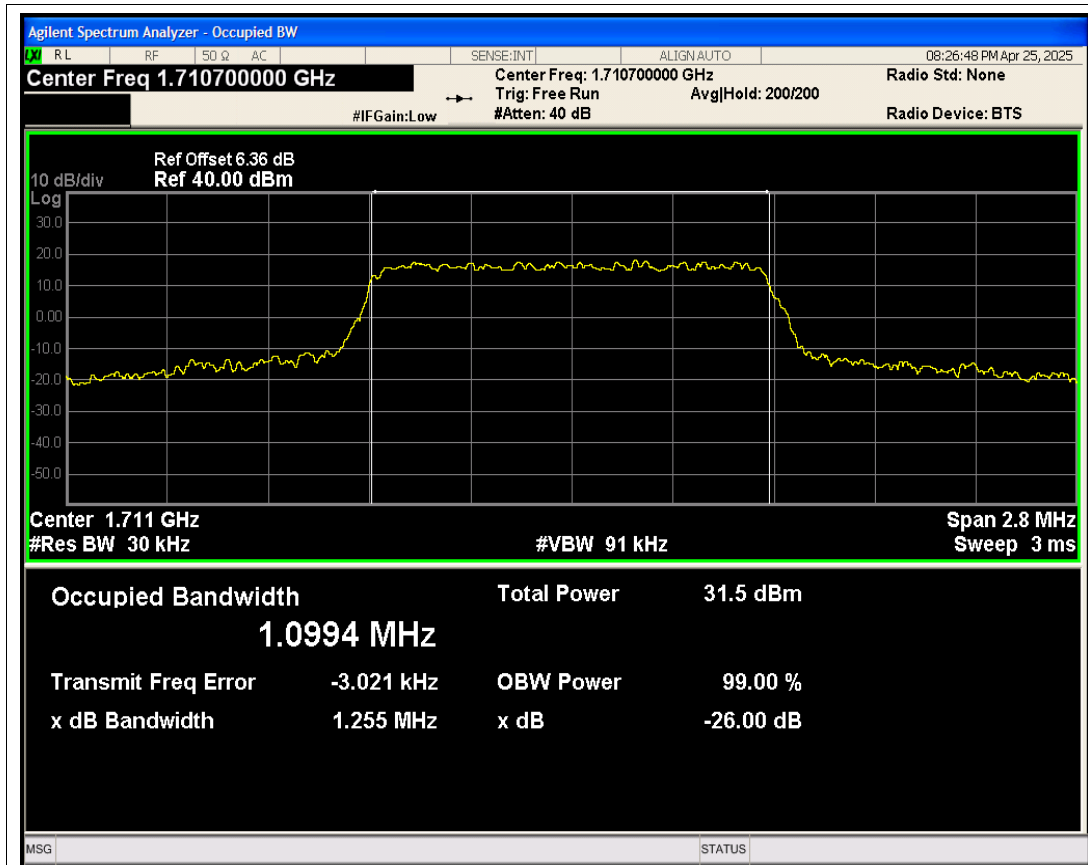
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



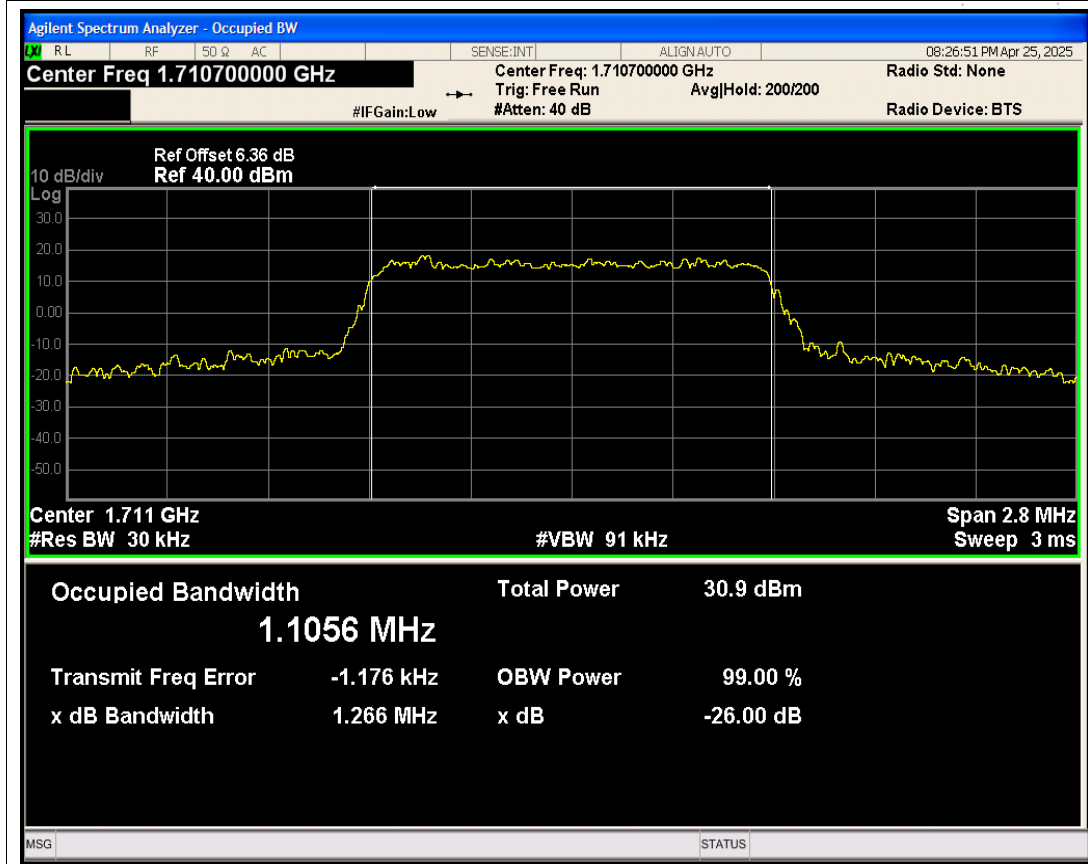


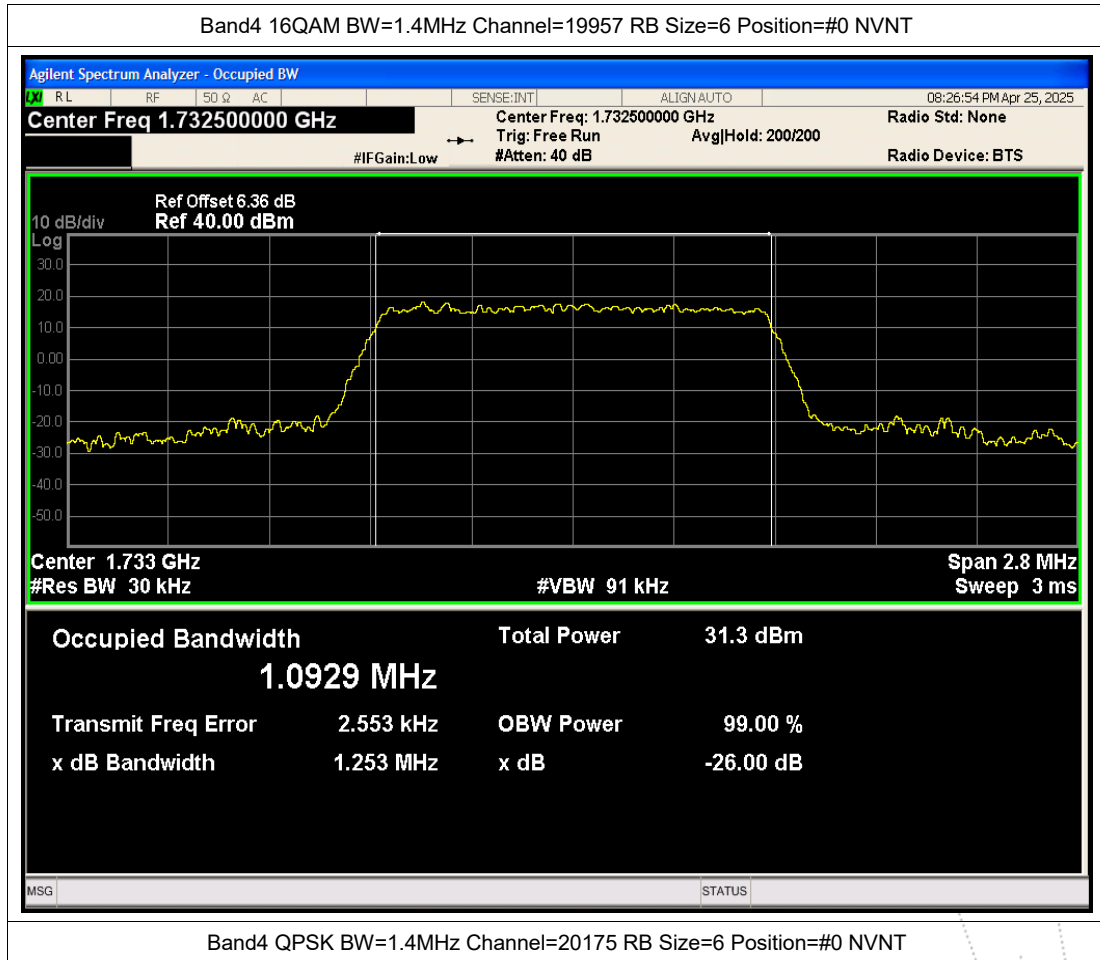
Appendix 4.Occupied bandwidth

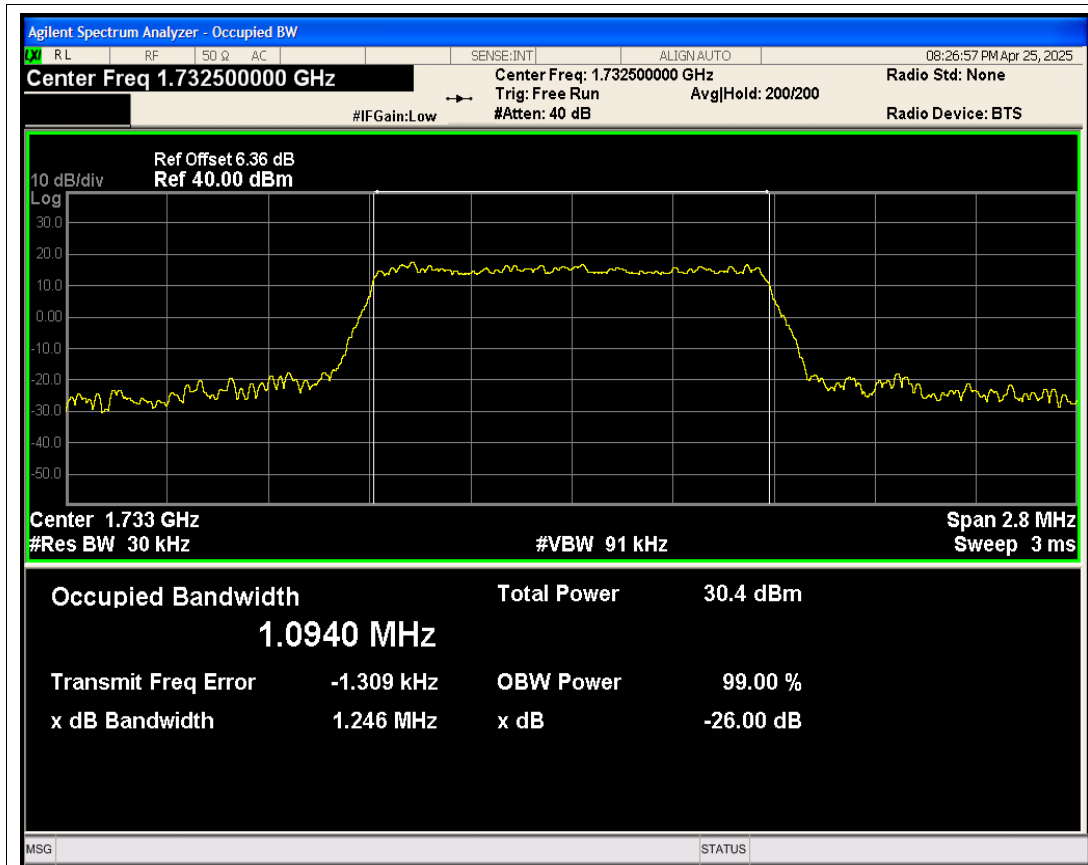
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.099	1.255	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.106	1.266	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.093	1.253	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.094	1.246	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.097	1.244	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.098	1.239	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.708	3.052	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.716	3.065	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.694	3.068	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.711	3.020	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.714	3.051	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.723	3.072	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.517	4.984	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.505	4.939	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.506	4.986	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.524	4.967	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.511	4.967	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.506	4.956	PASS
NVNT	Band4	10	20000	50	#0	QPSK	9.001	9.900	PASS
NVNT	Band4	10	20000	50	#0	16QAM	9.003	9.821	PASS
NVNT	Band4	10	20175	50	#0	QPSK	8.980	9.773	PASS
NVNT	Band4	10	20175	50	#0	16QAM	8.989	9.860	PASS
NVNT	Band4	10	20350	50	#0	QPSK	9.022	9.772	PASS
NVNT	Band4	10	20350	50	#0	16QAM	8.996	9.861	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.479	14.729	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.491	14.631	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.473	14.845	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.467	15.021	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.508	14.965	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.516	14.893	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.009	19.508	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.000	19.590	PASS
NVNT	Band4	20	20175	100	#0	QPSK	17.981	19.609	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.019	19.539	PASS
NVNT	Band4	20	20300	100	#0	QPSK	18.018	19.690	PASS
NVNT	Band4	20	20300	100	#0	16QAM	18.041	19.655	PASS



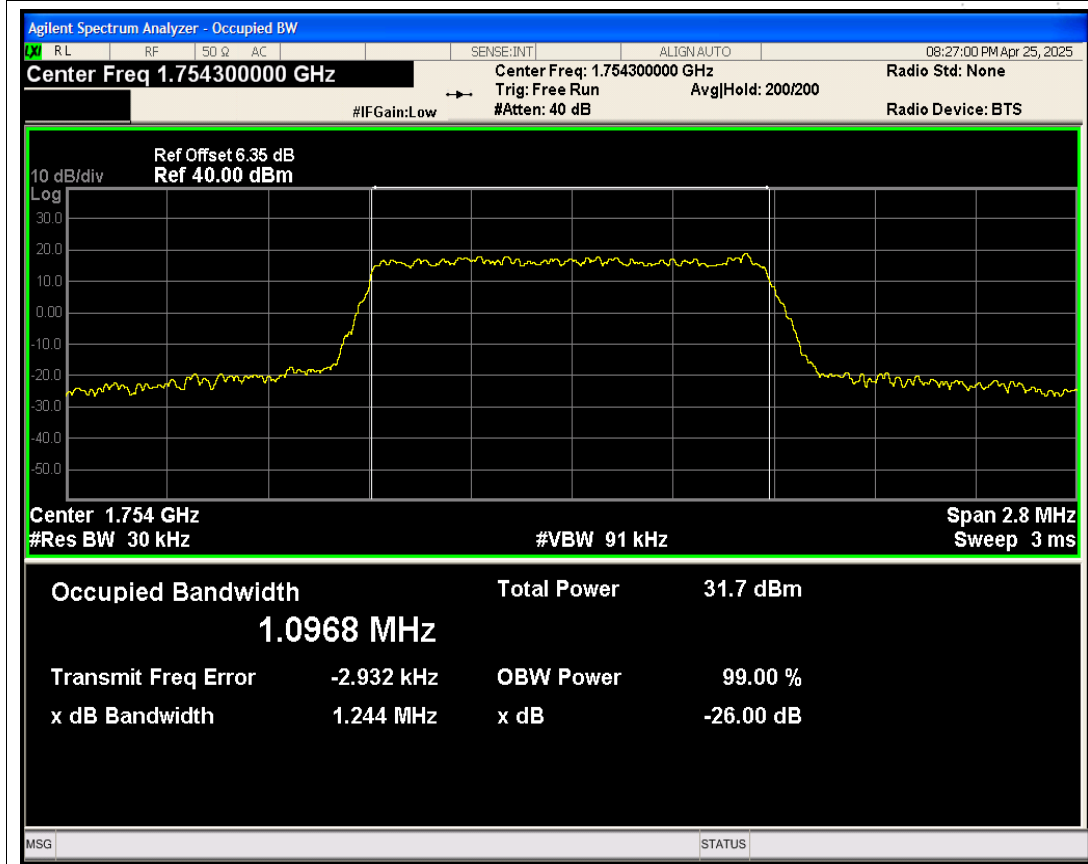
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

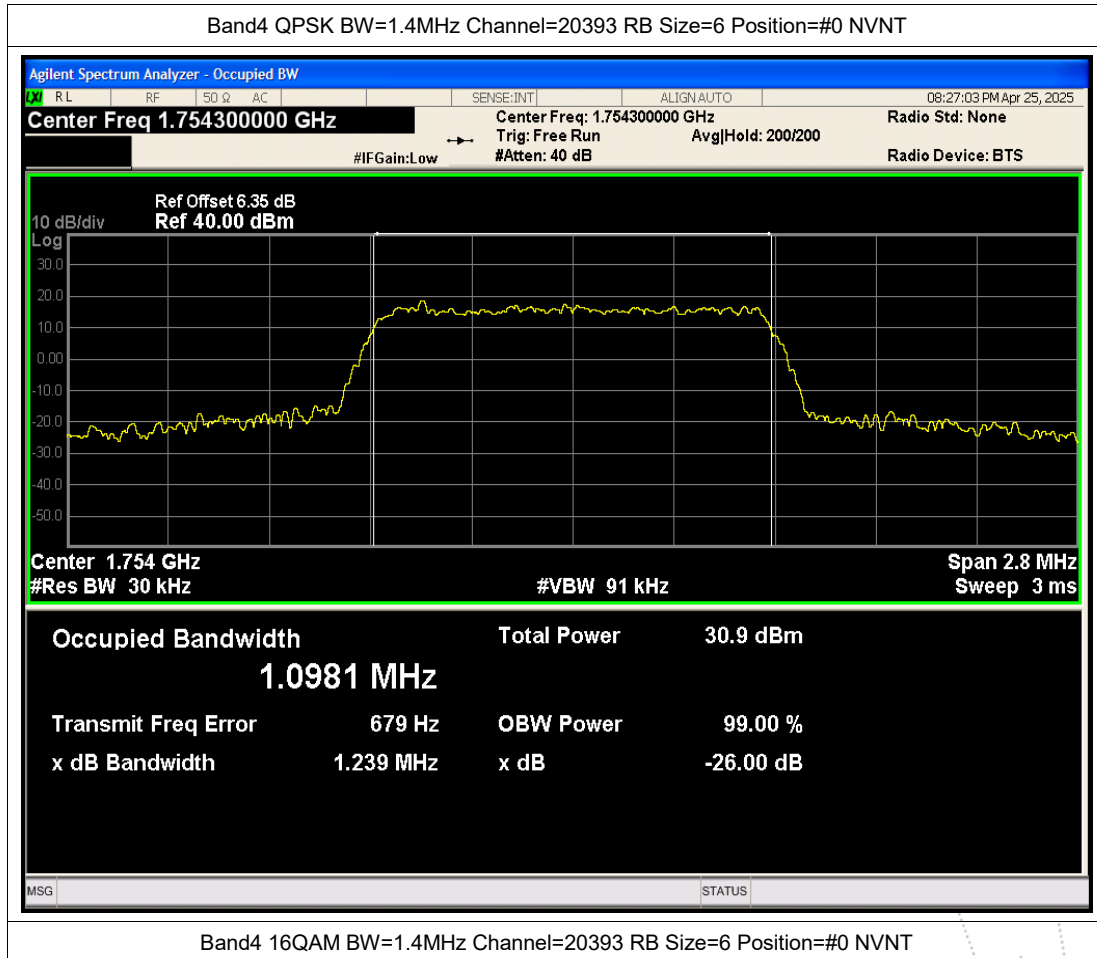


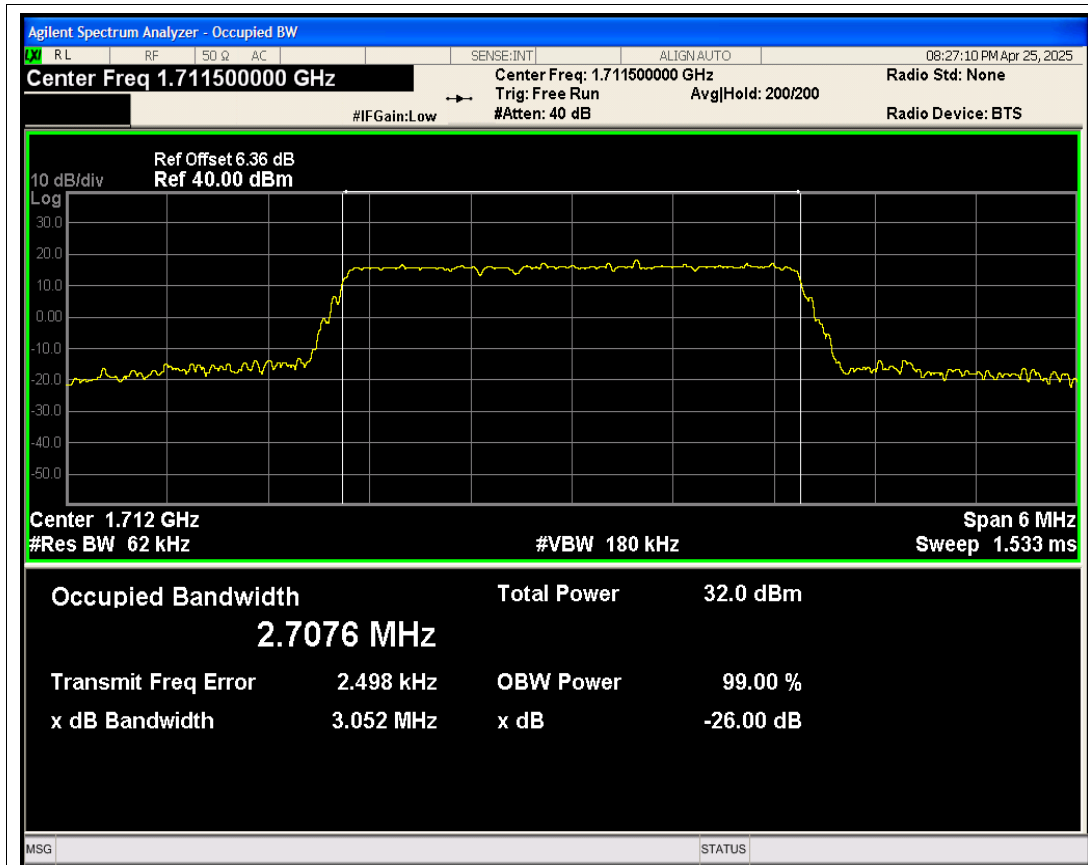




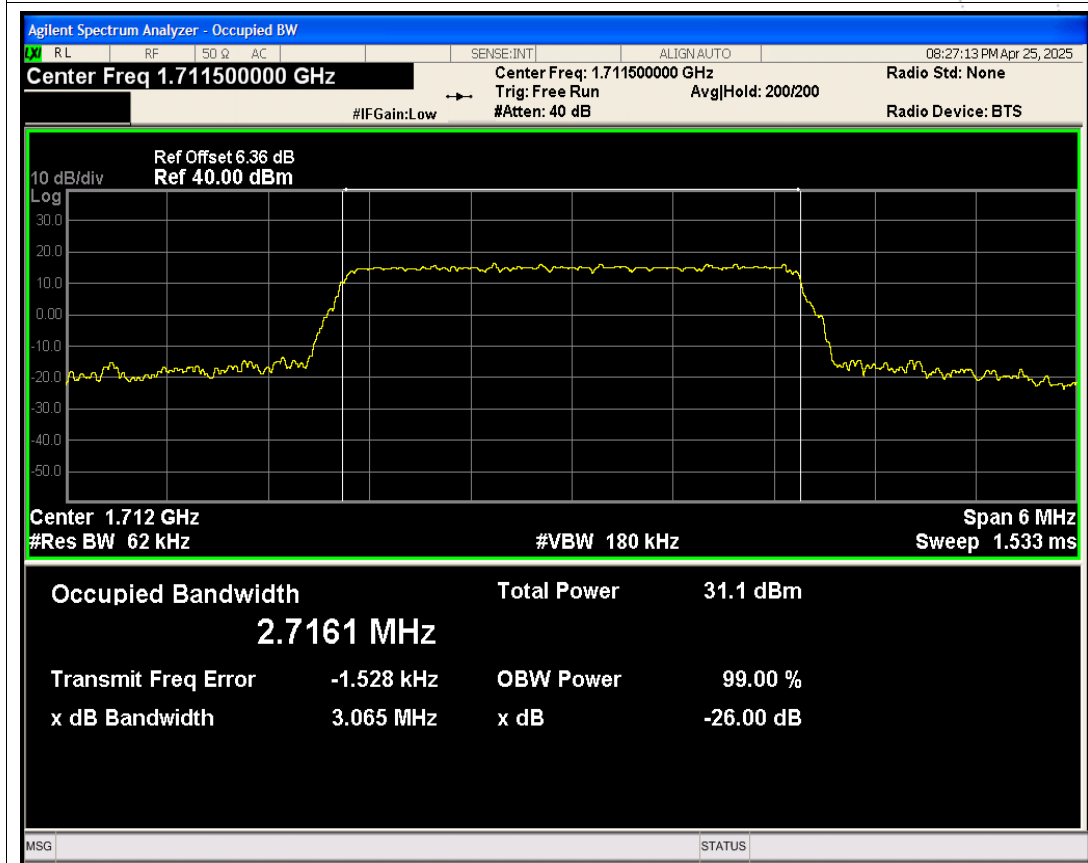
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

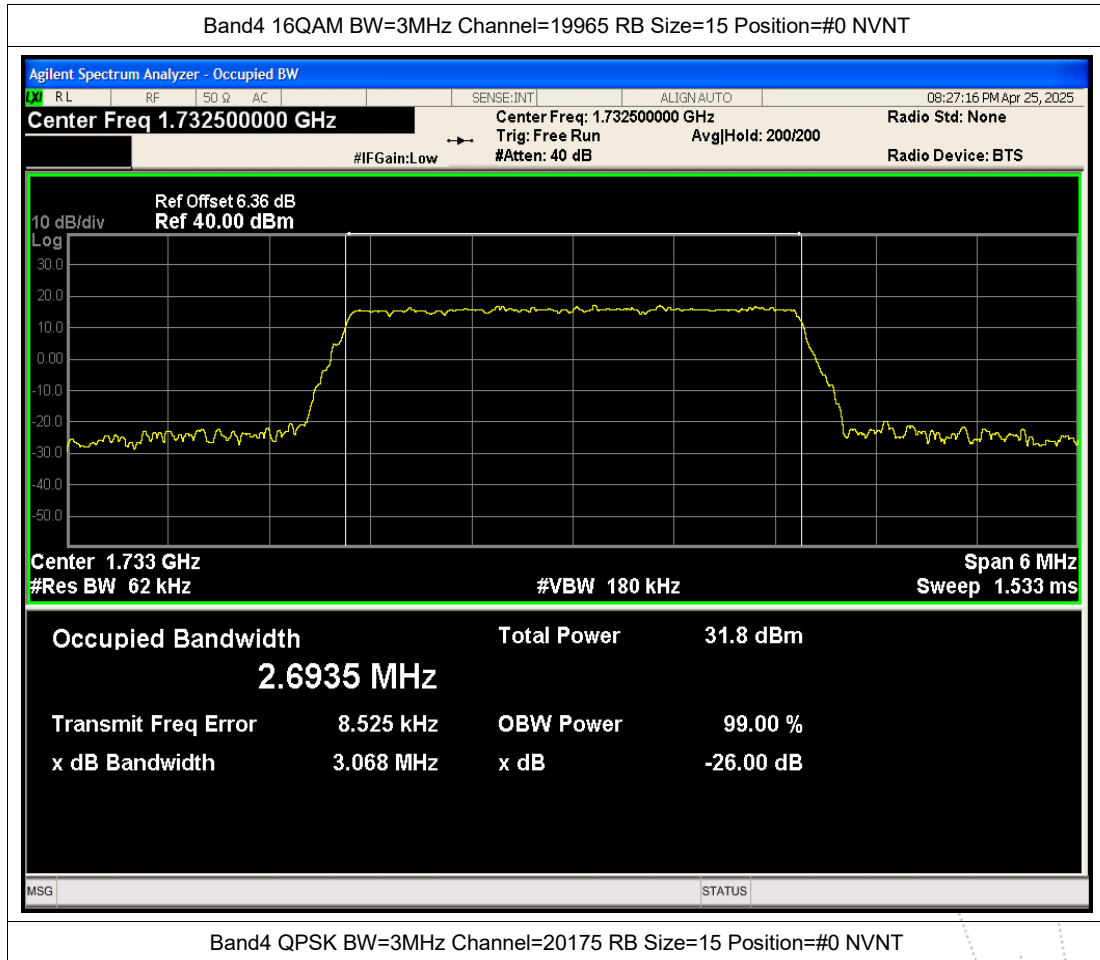


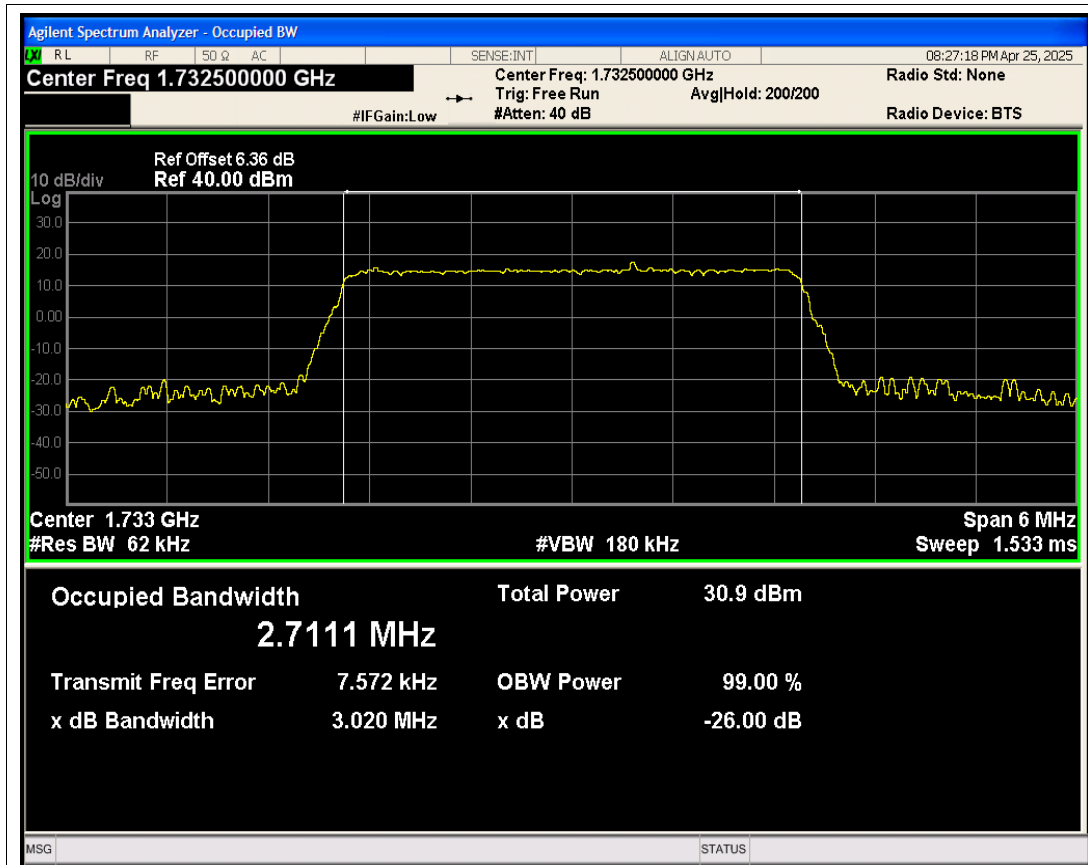




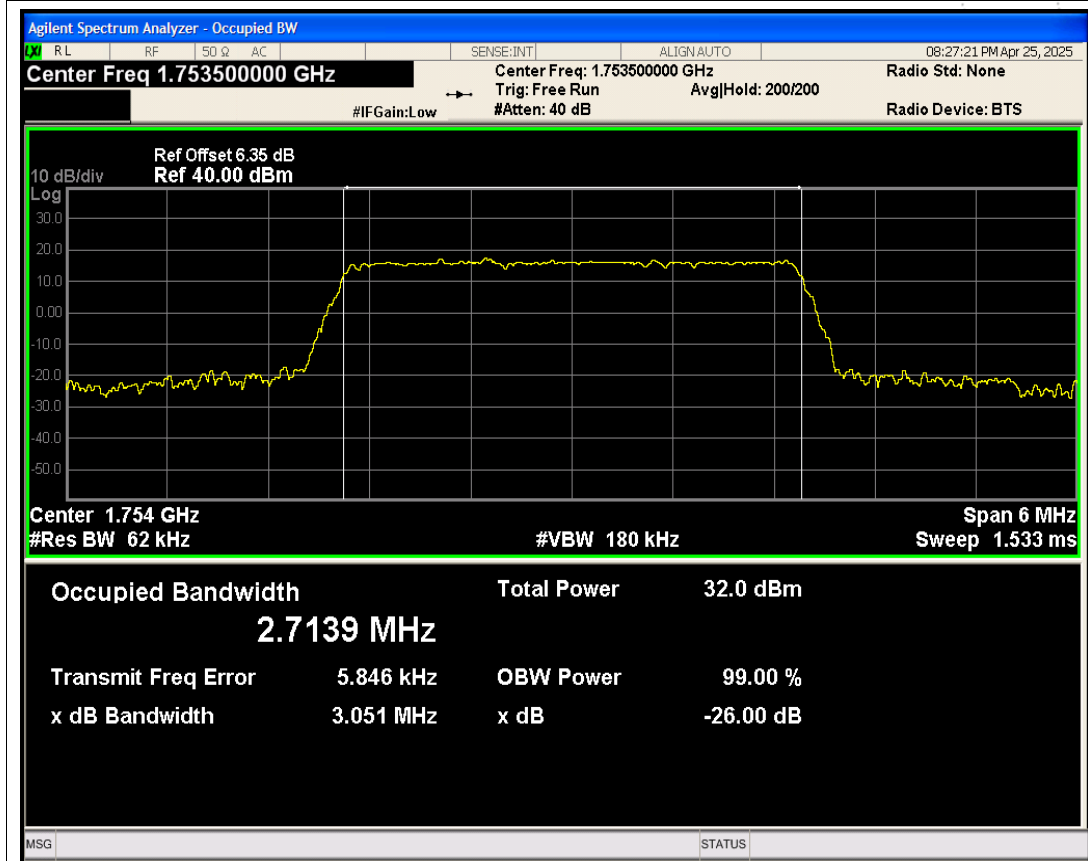
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

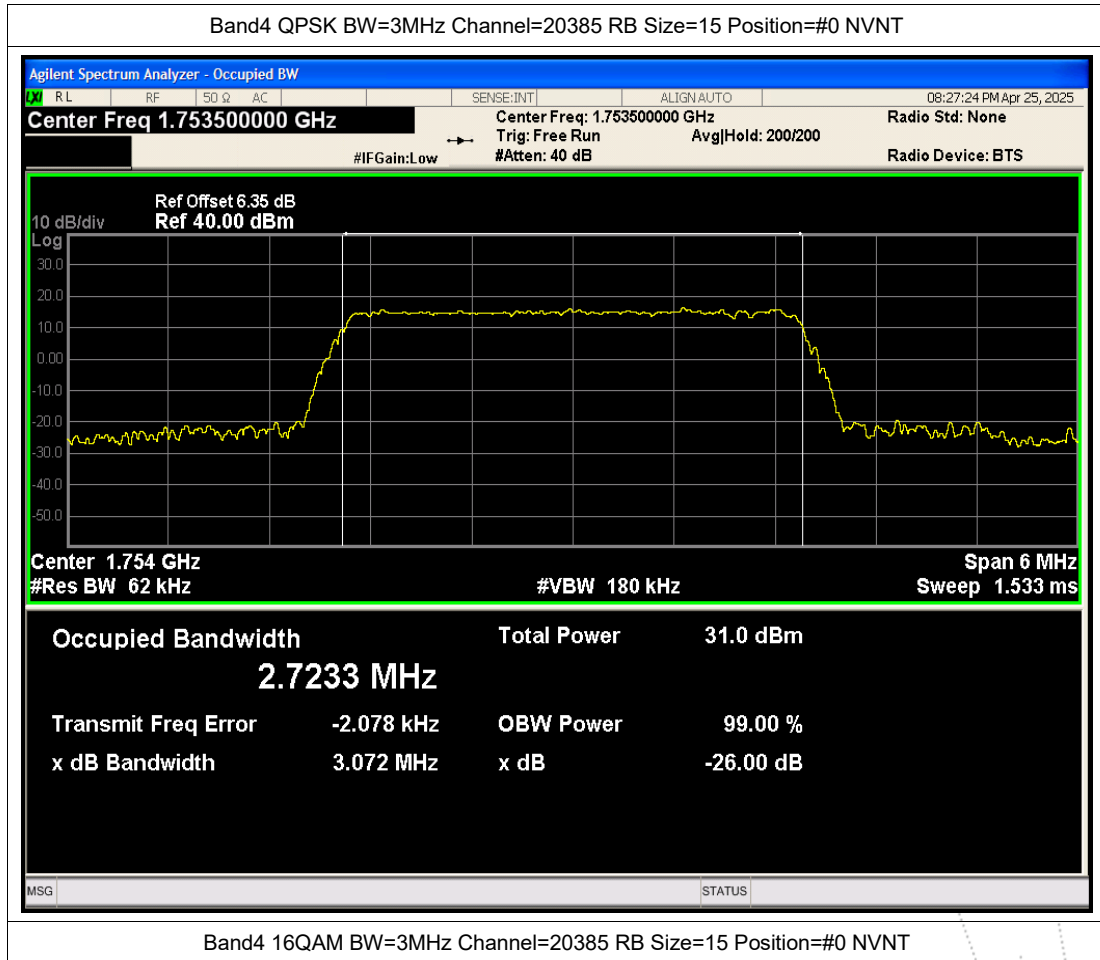


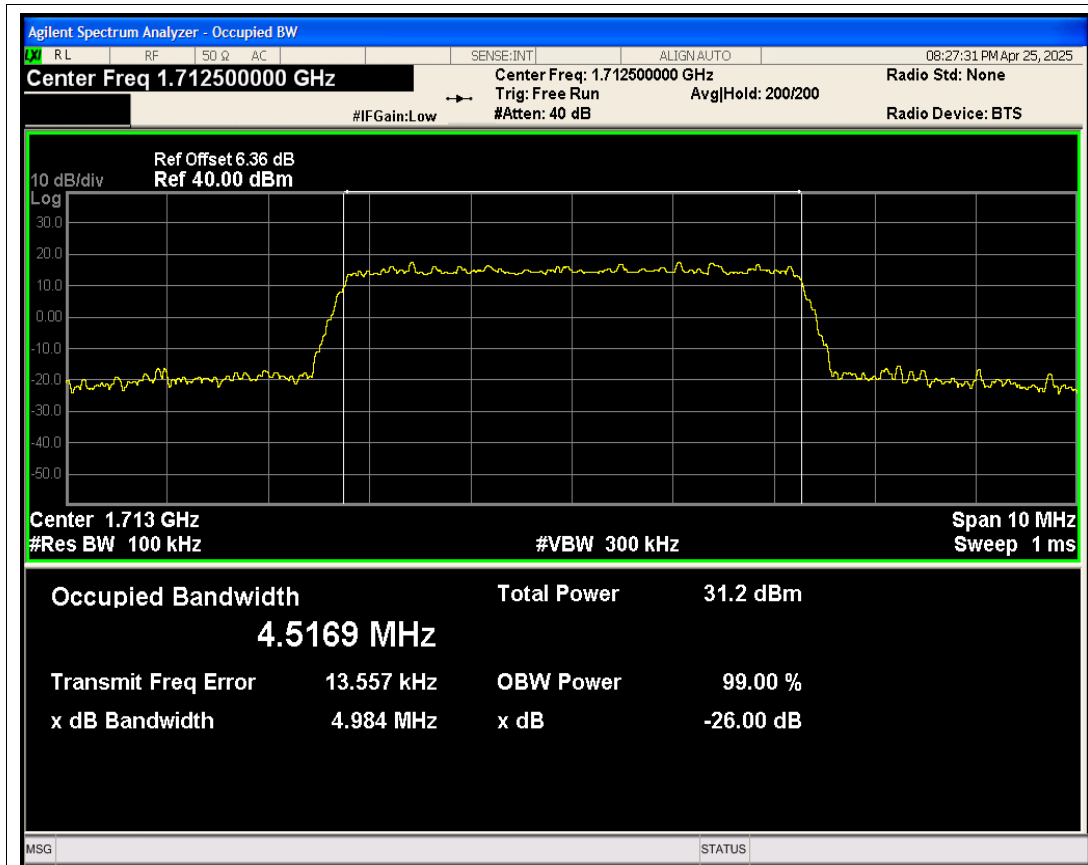




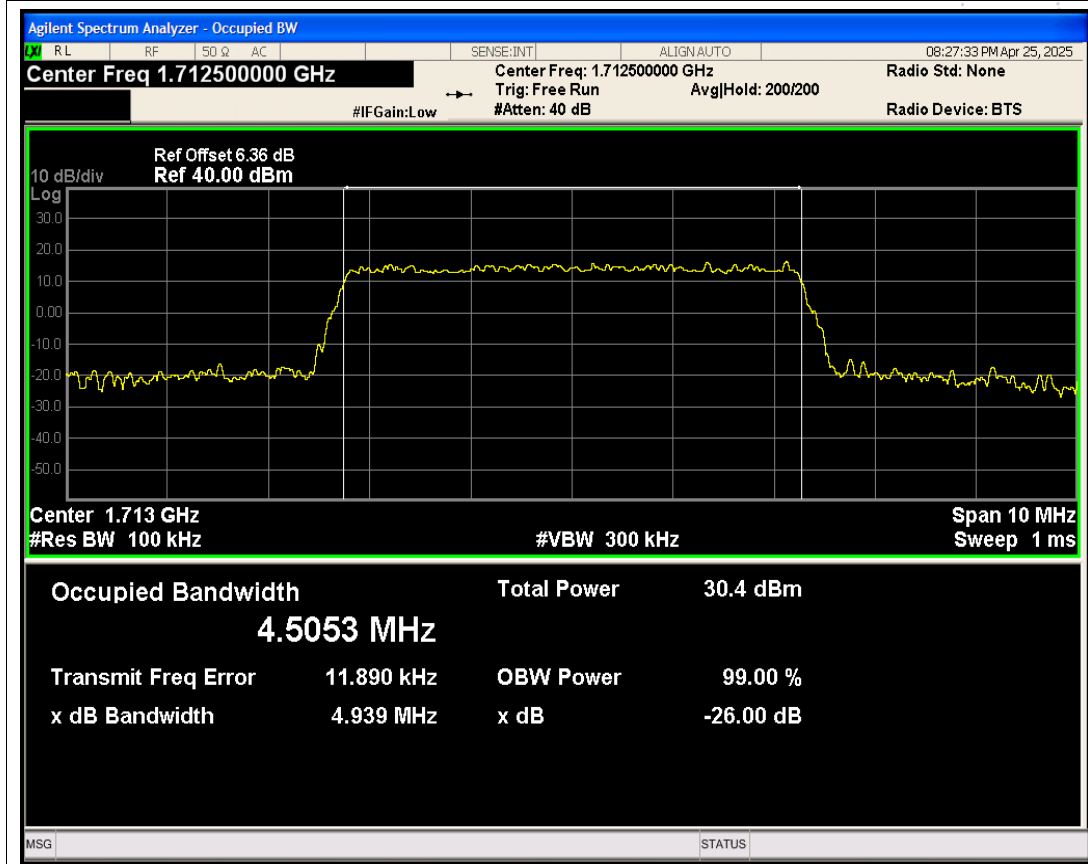
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

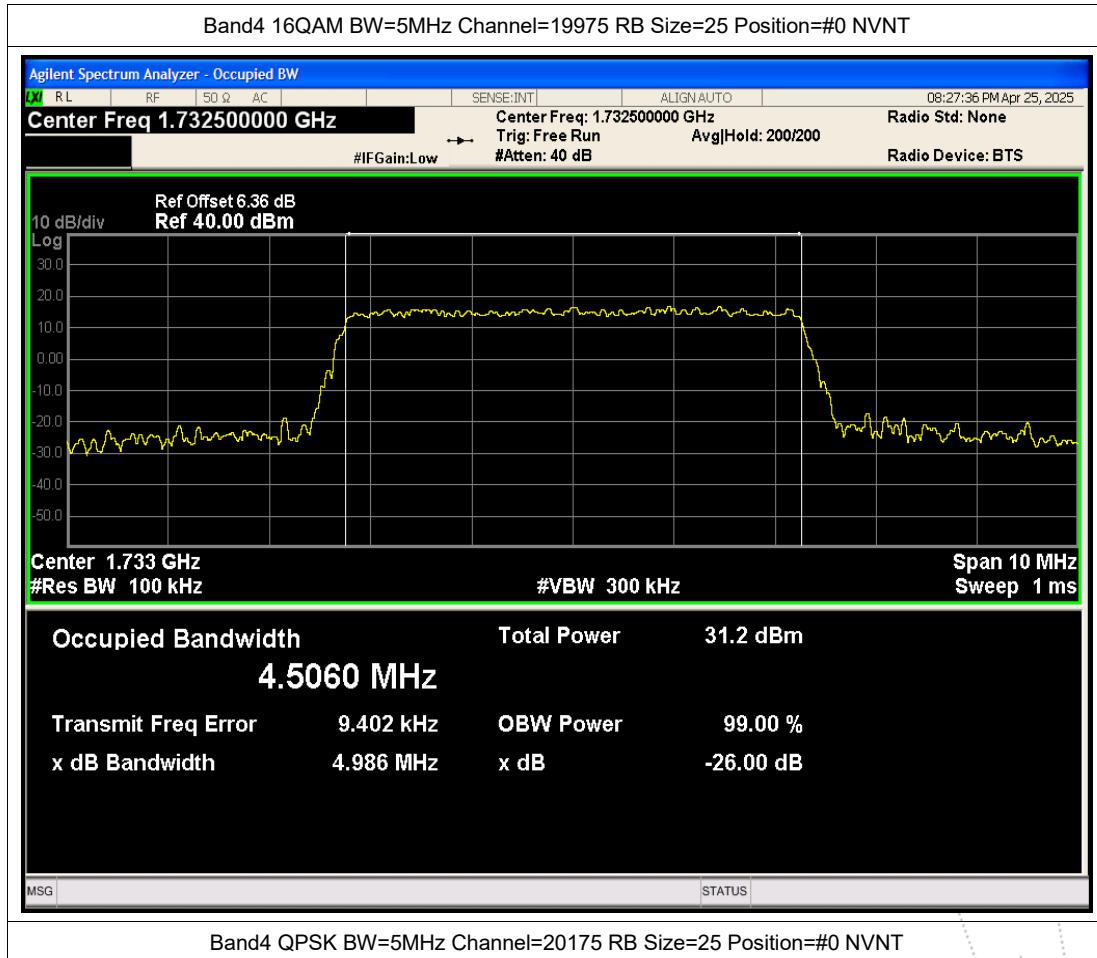


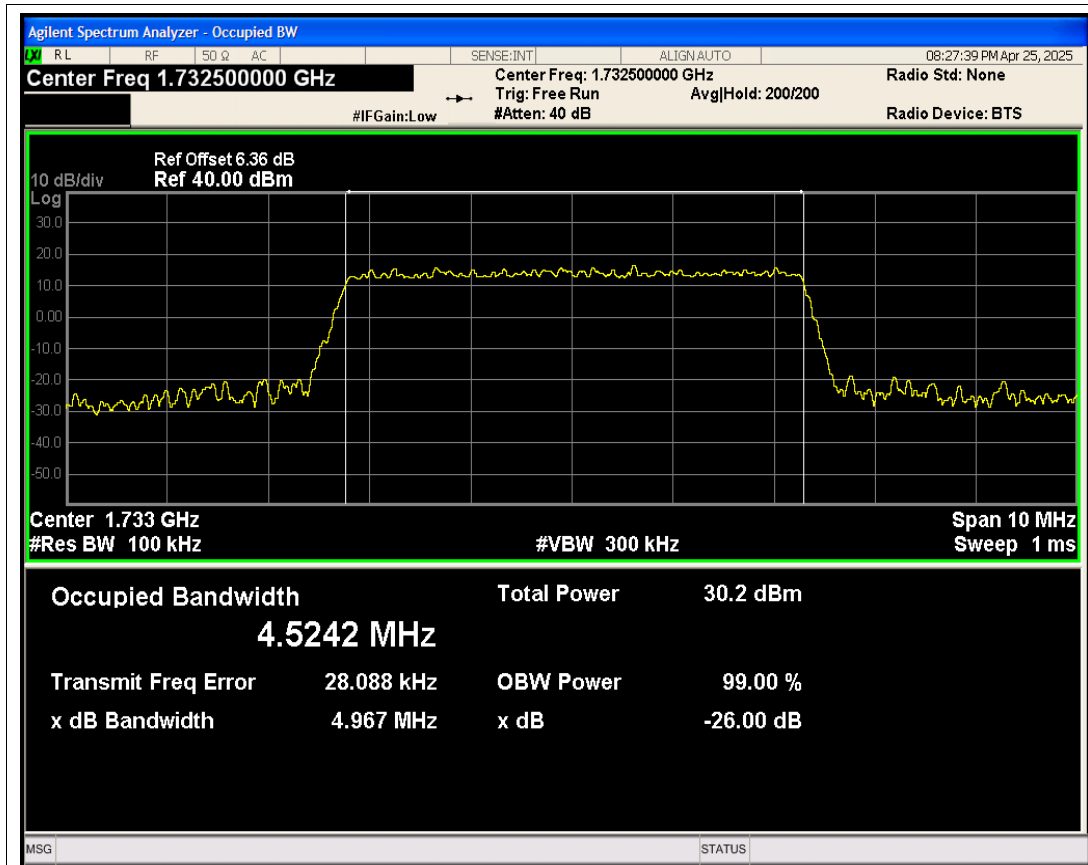




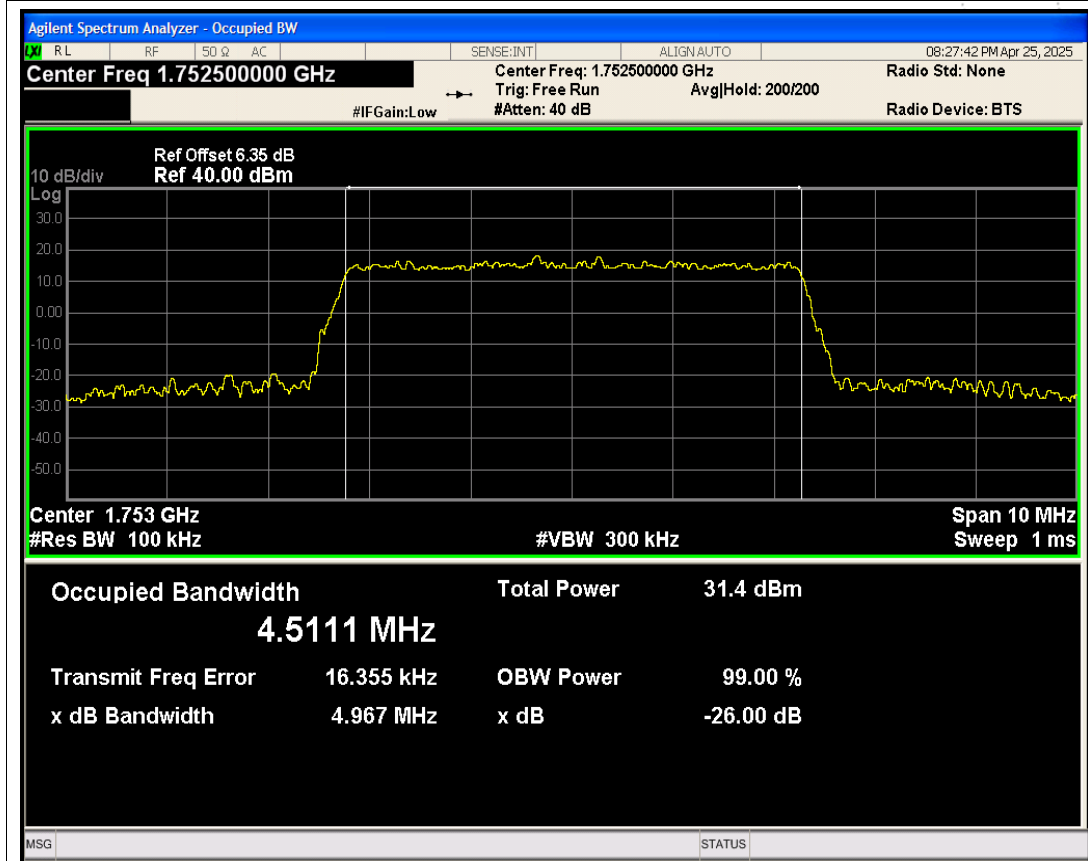
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

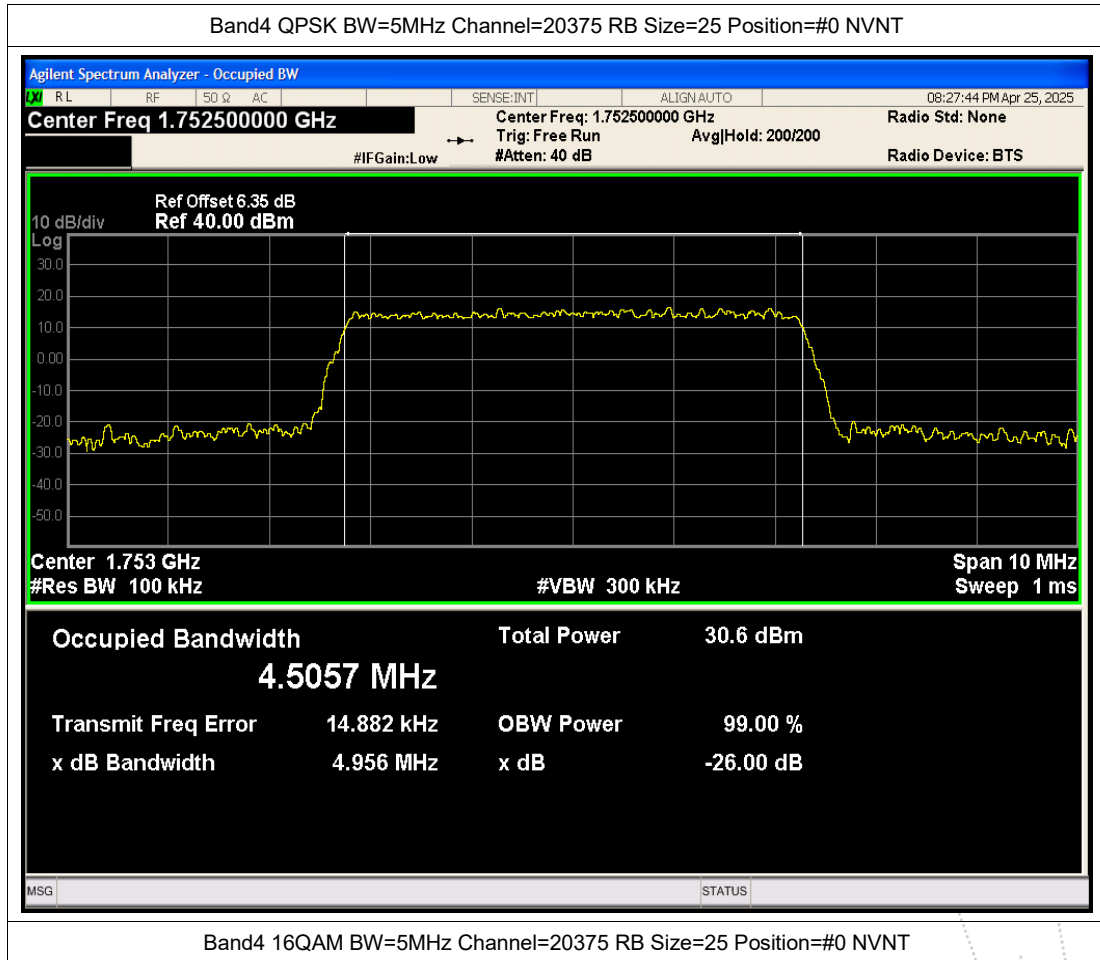


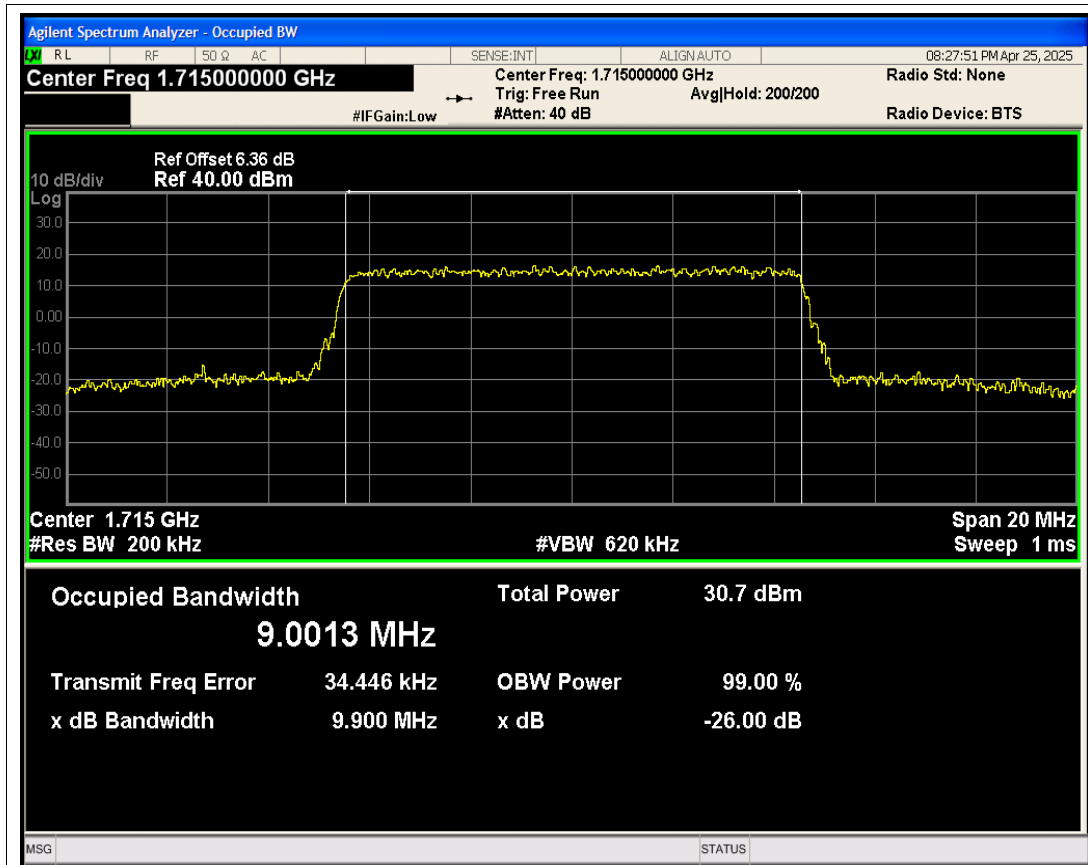




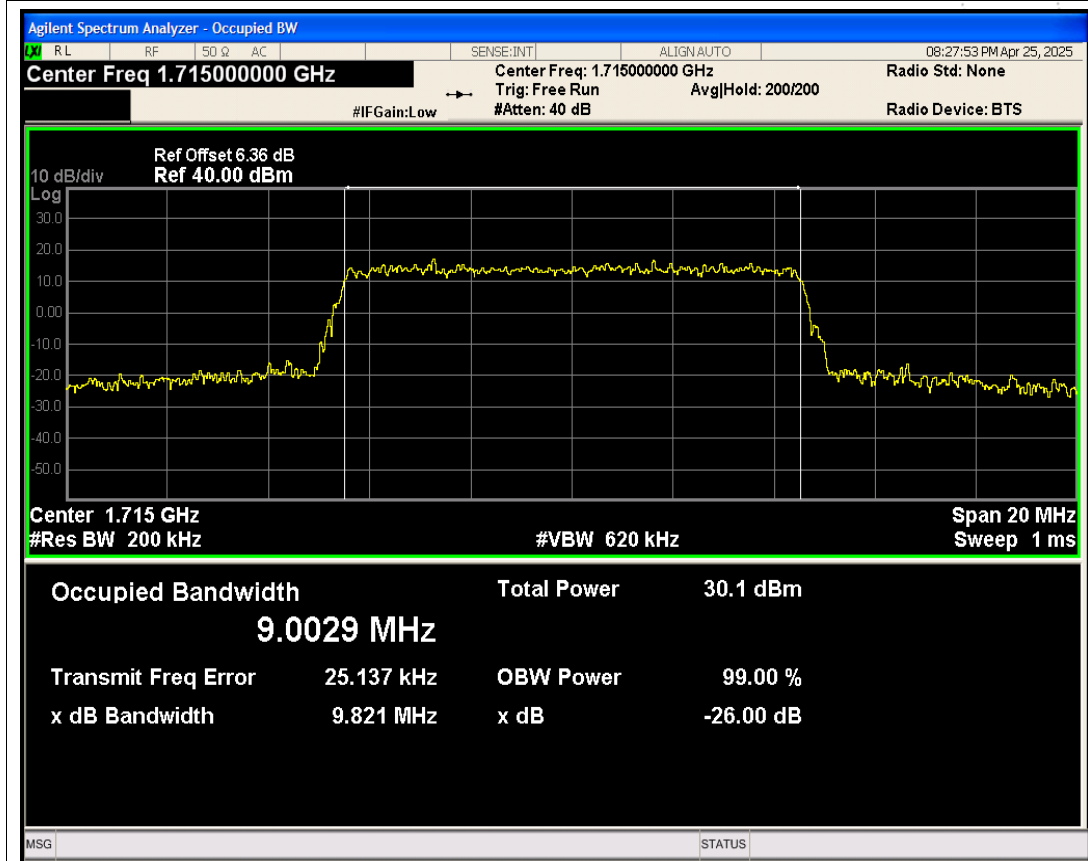
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

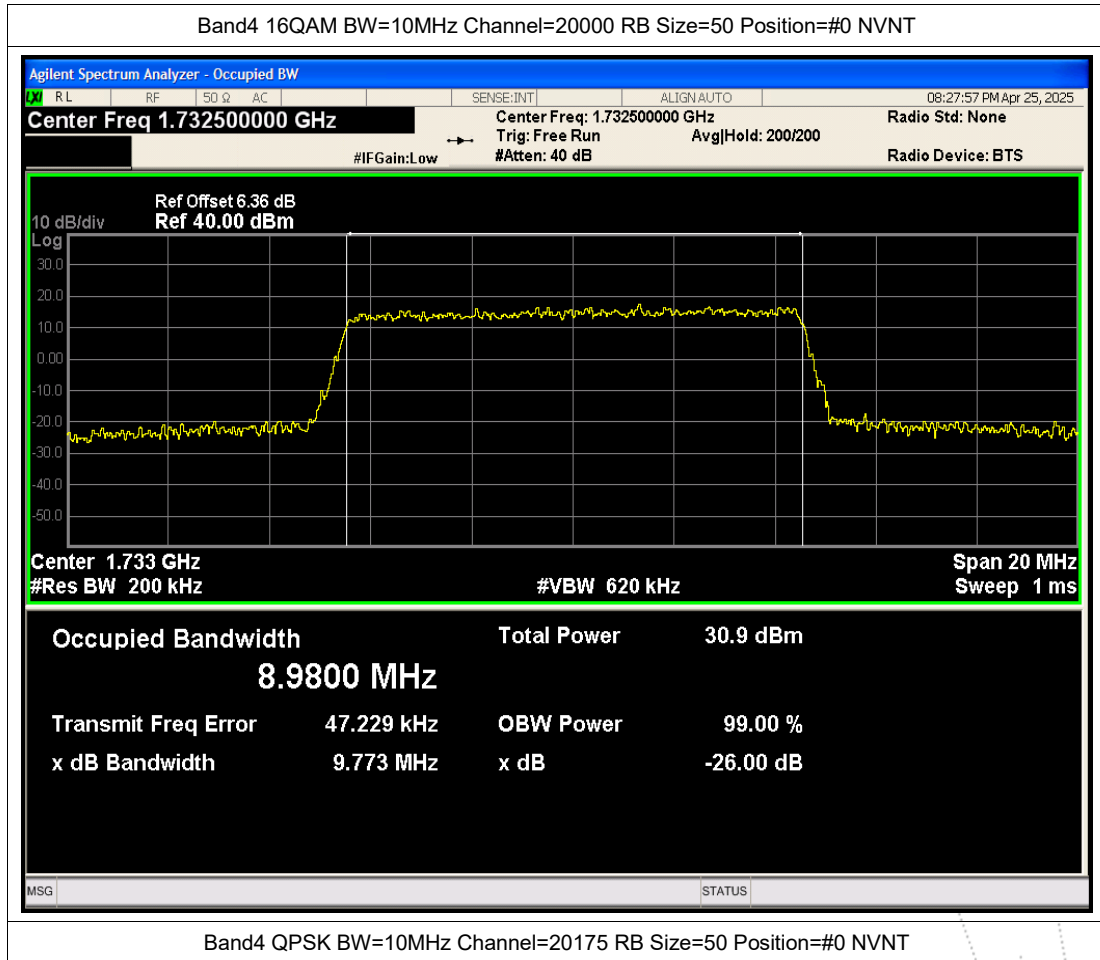


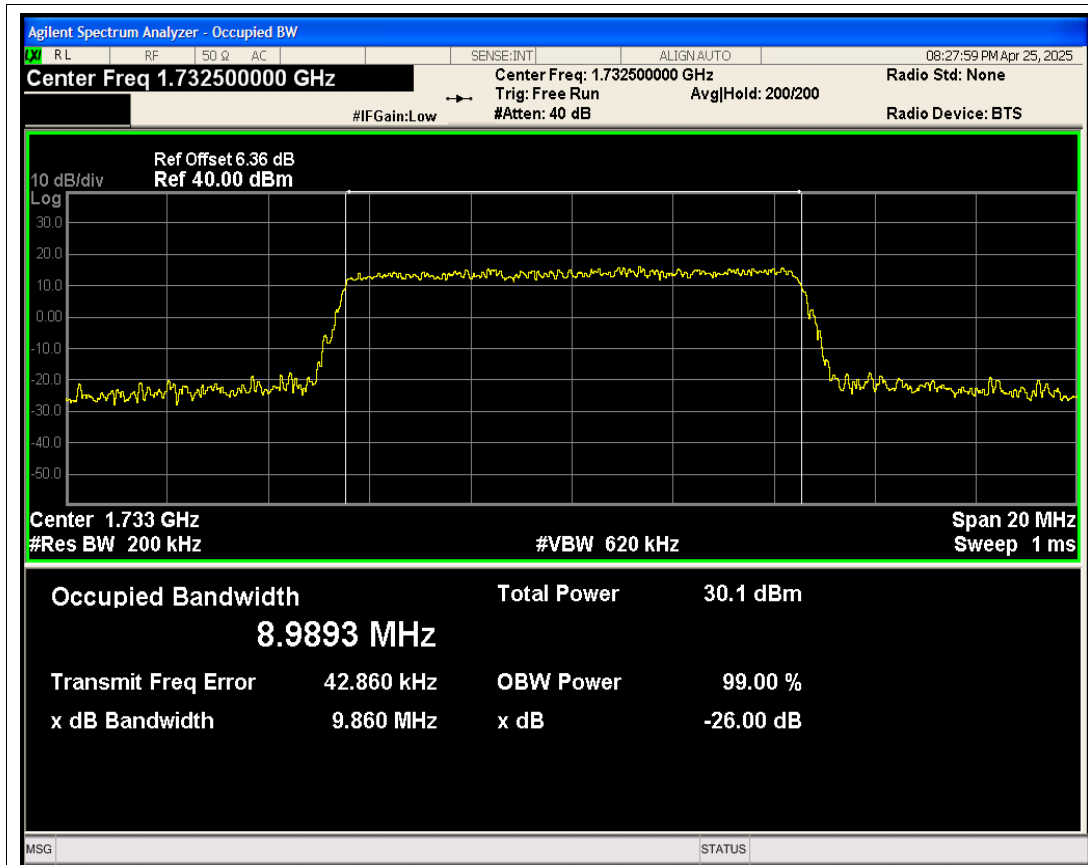




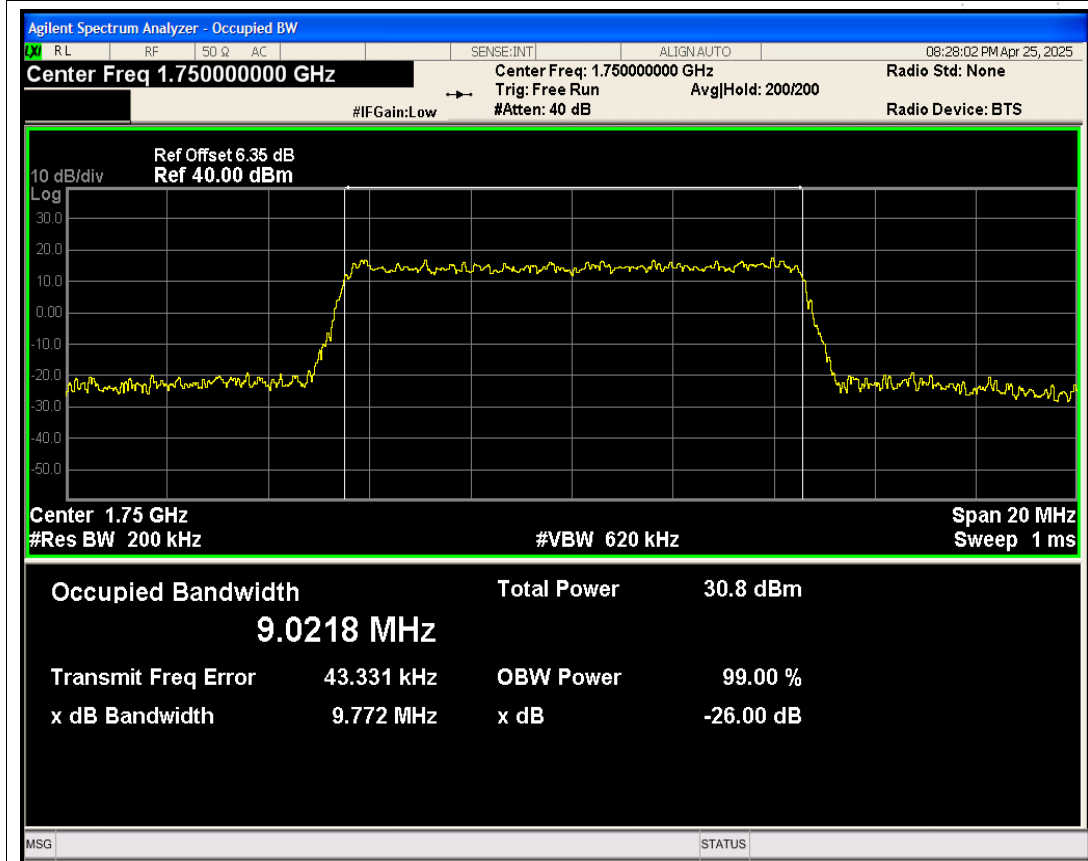
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

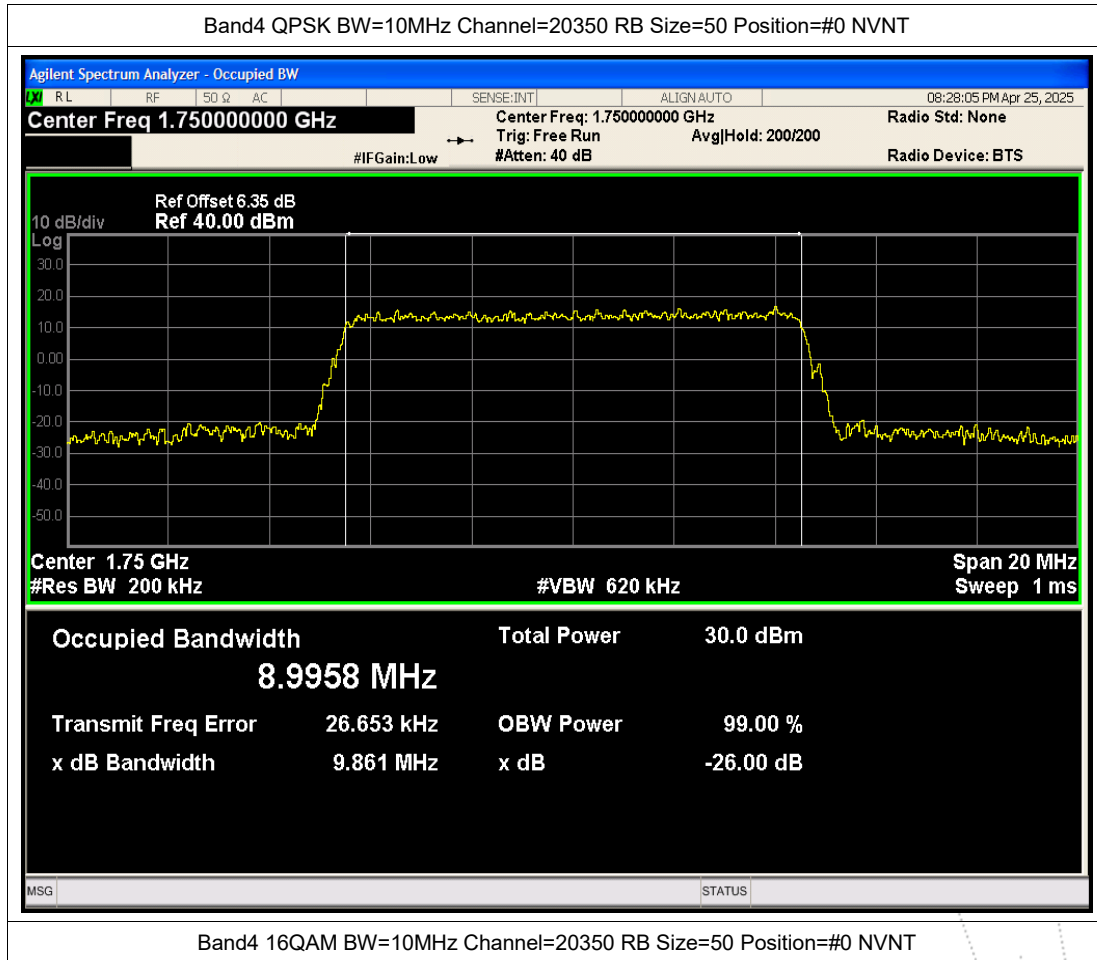


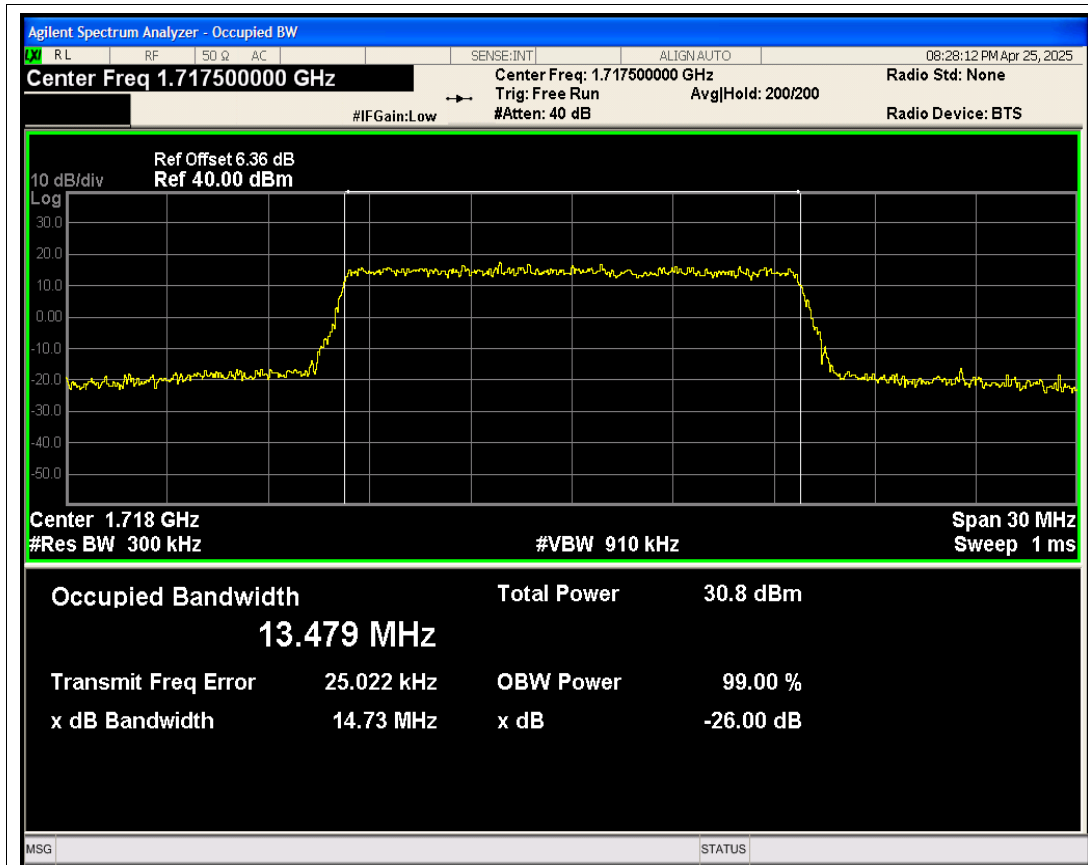




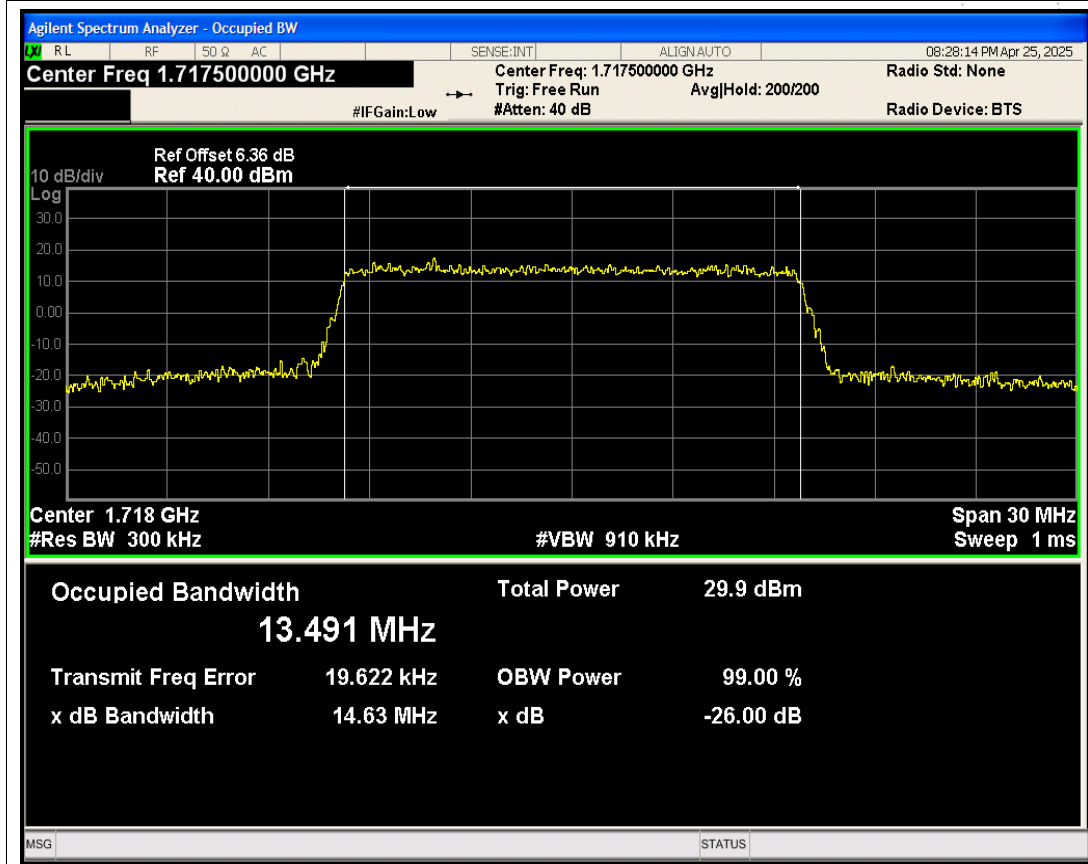
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

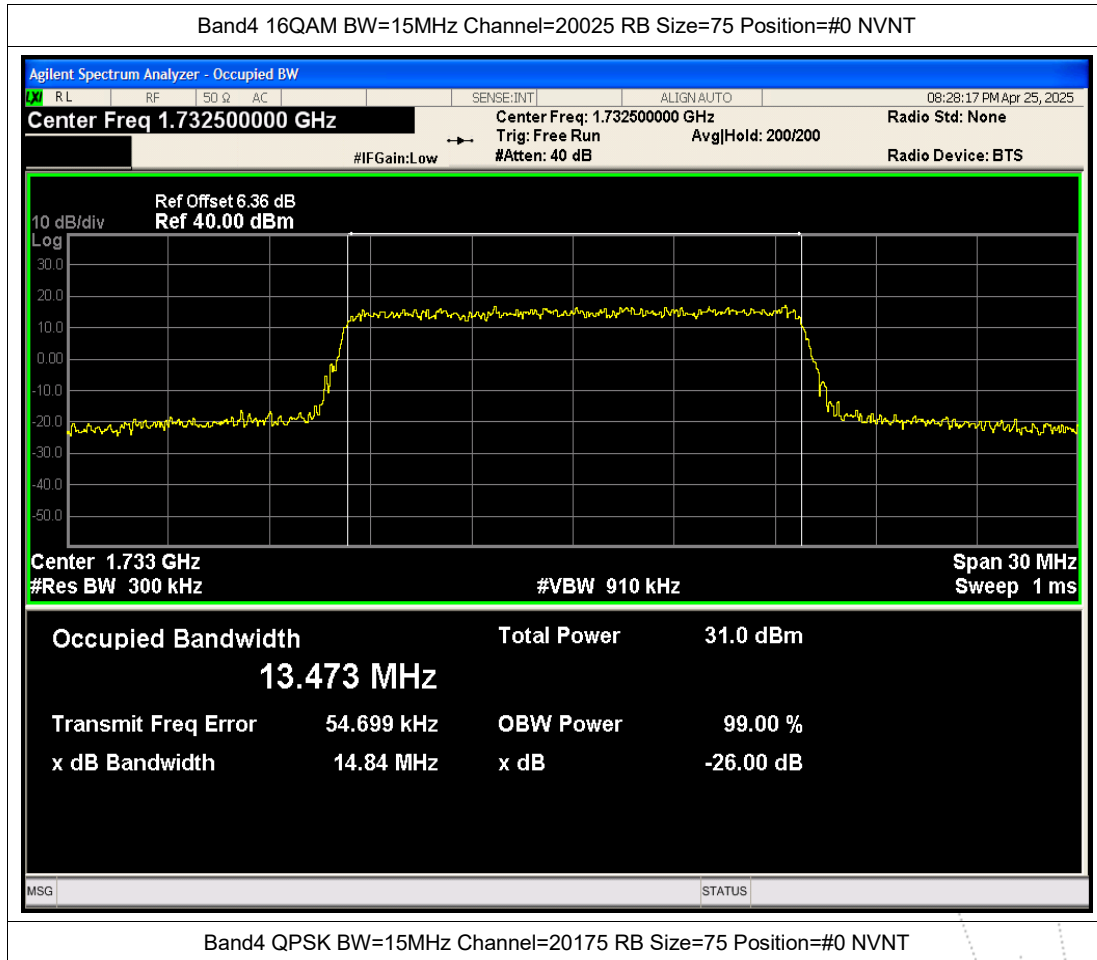


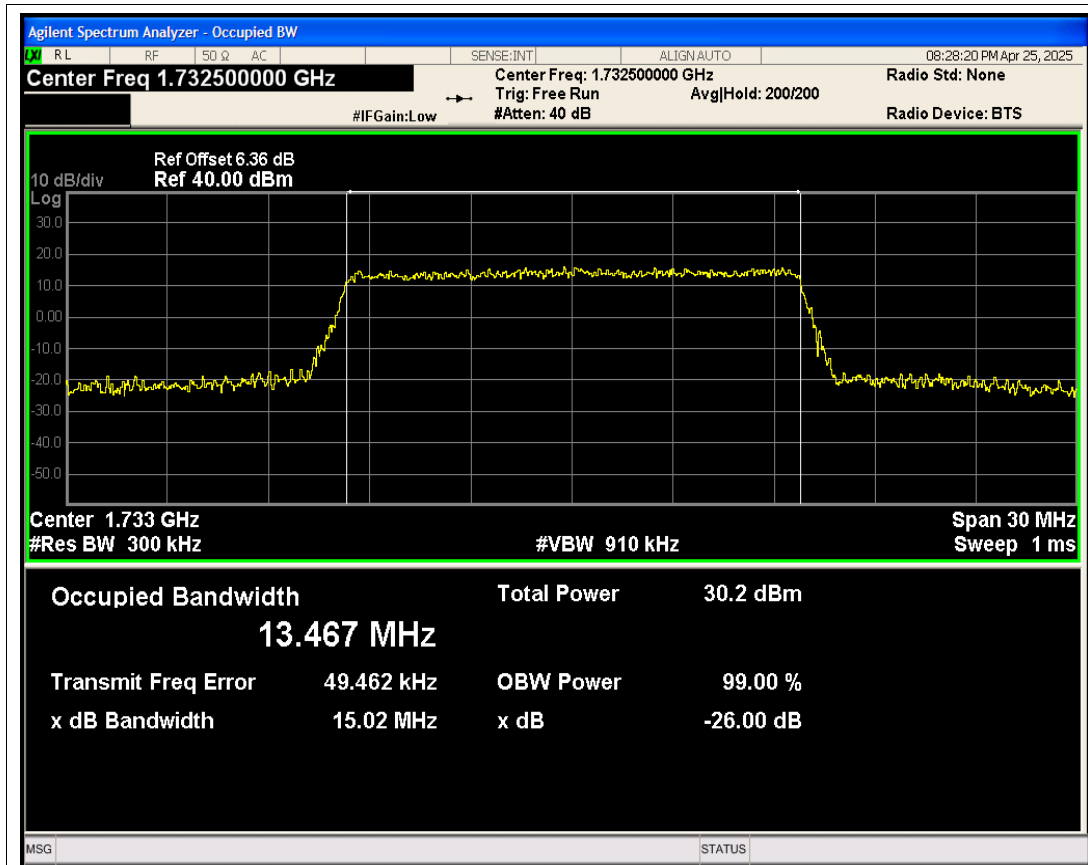




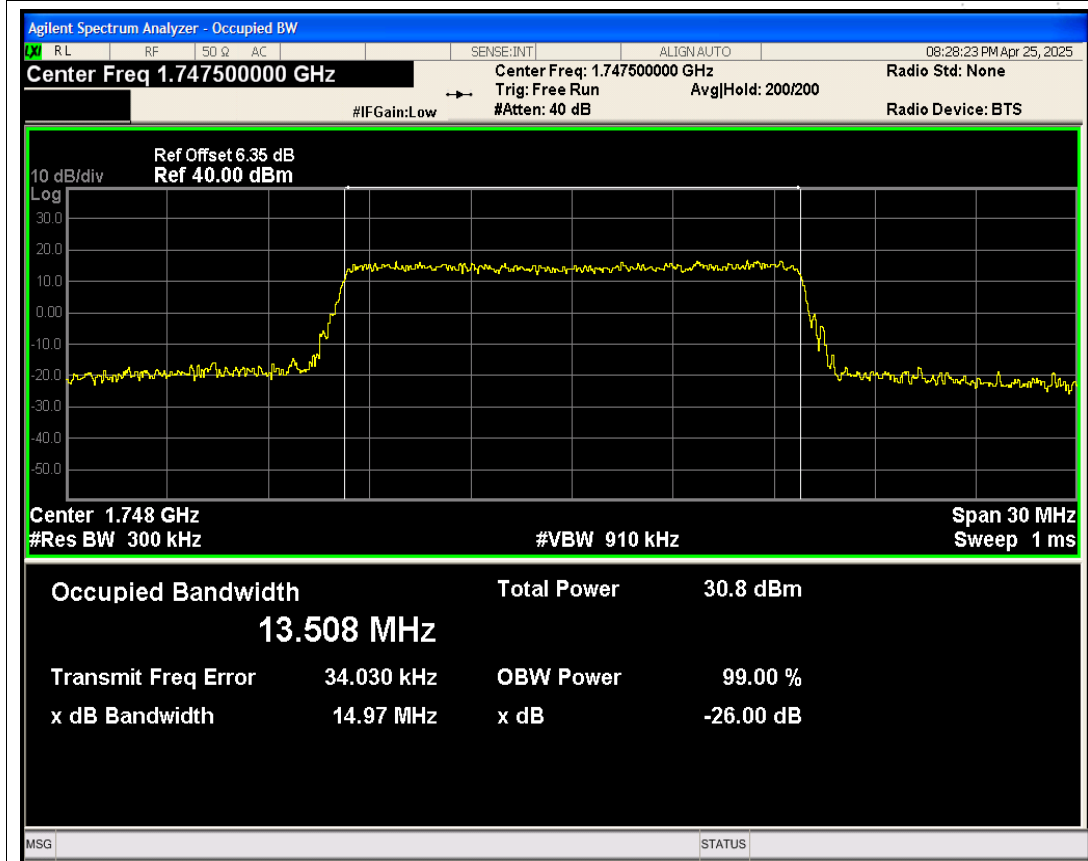
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

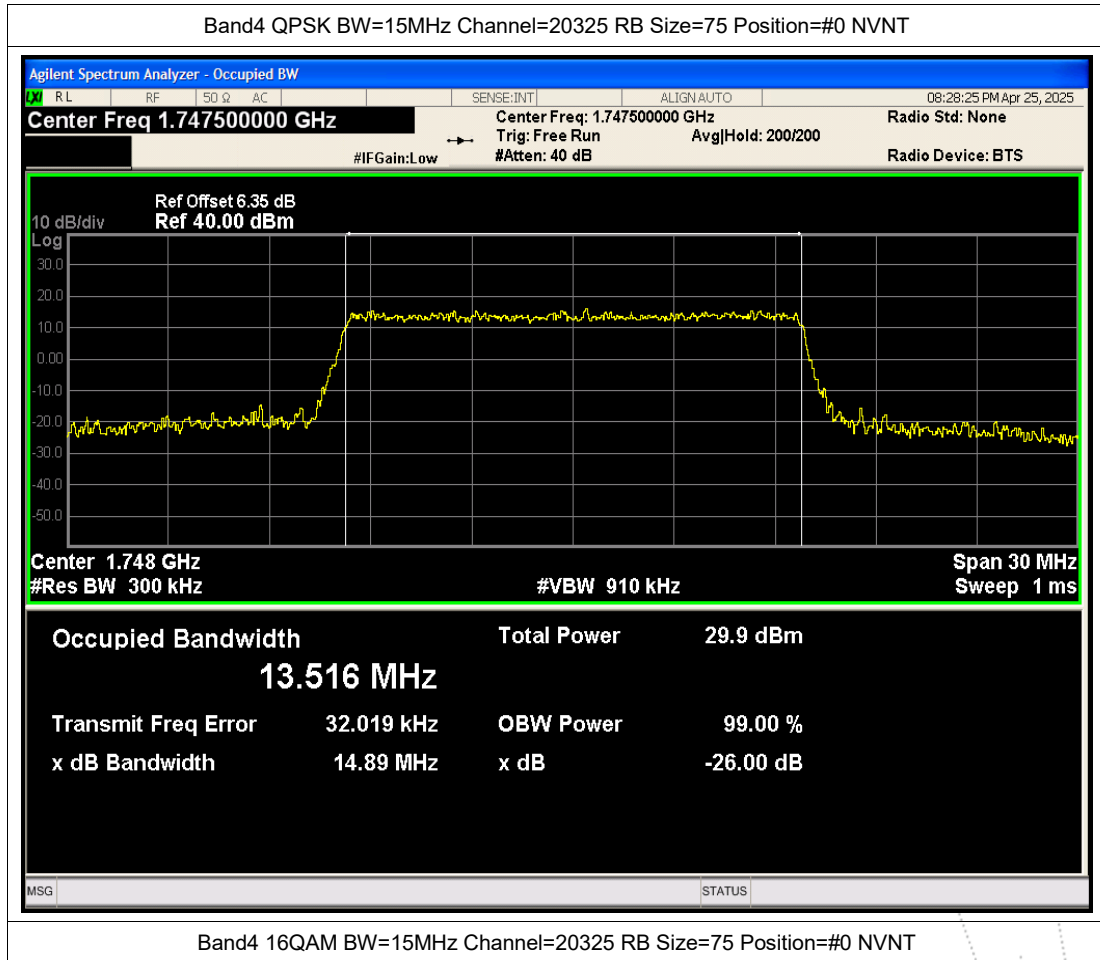


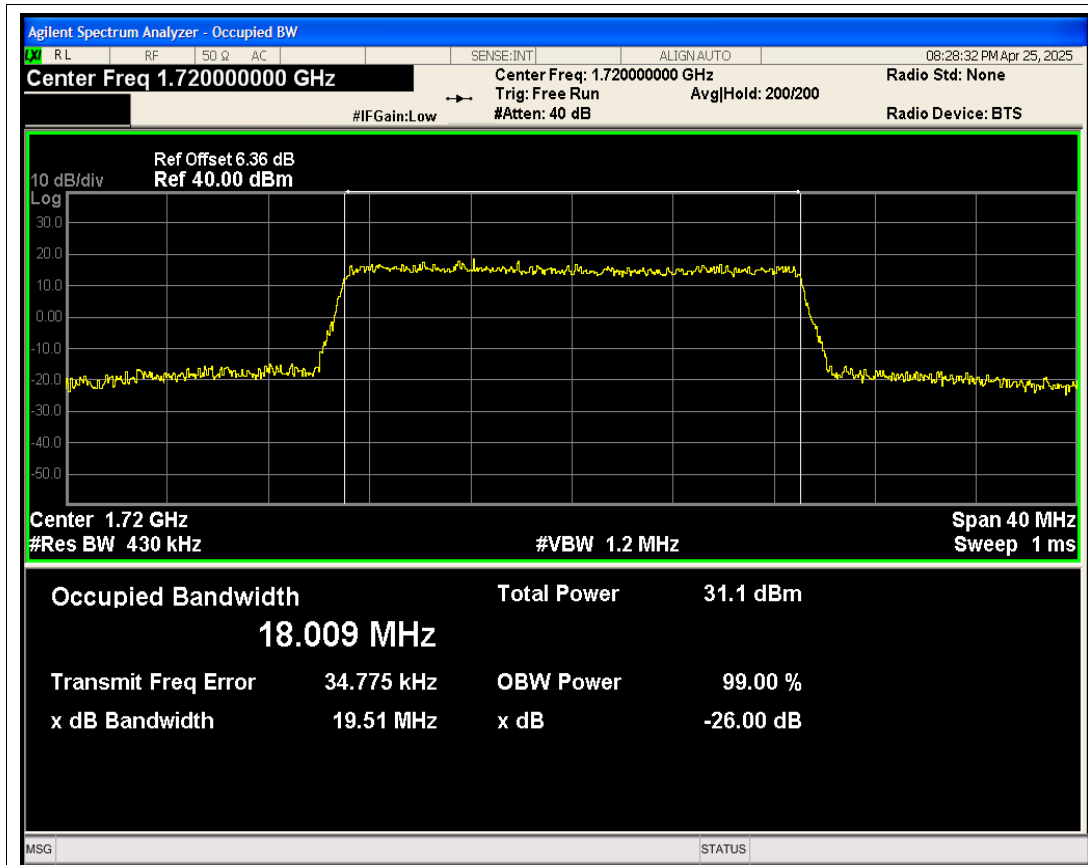




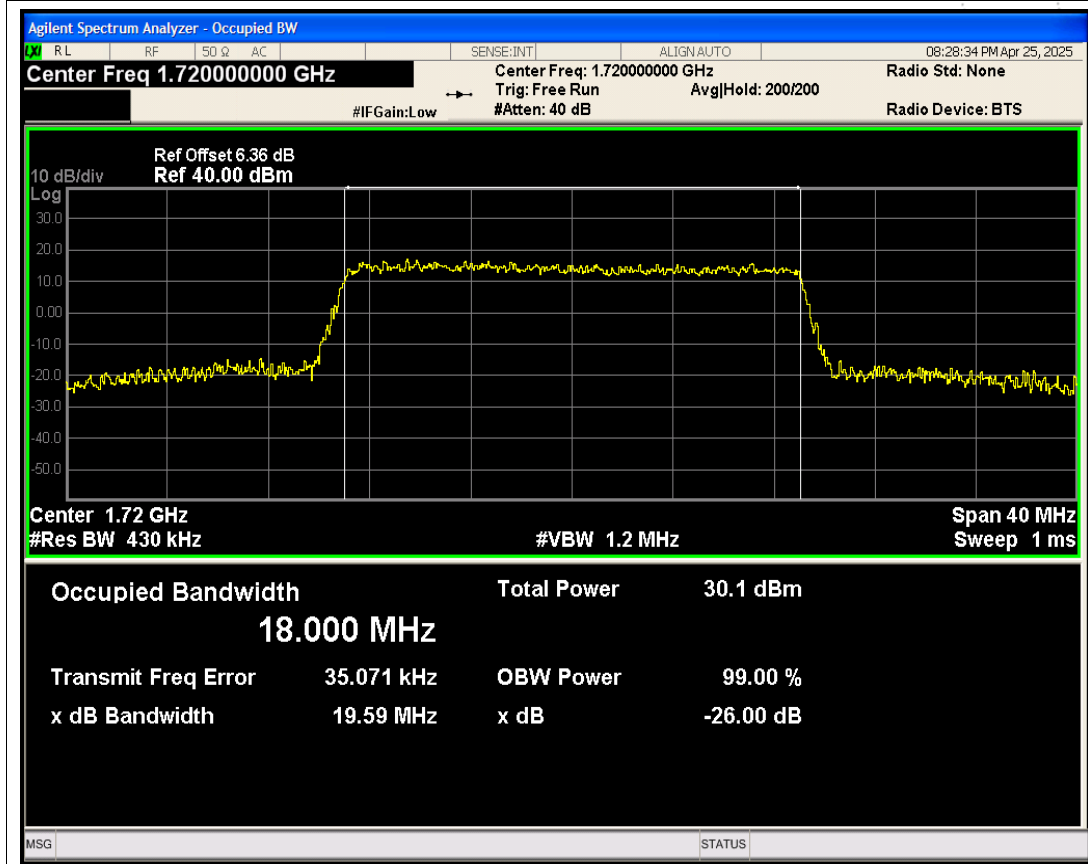
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

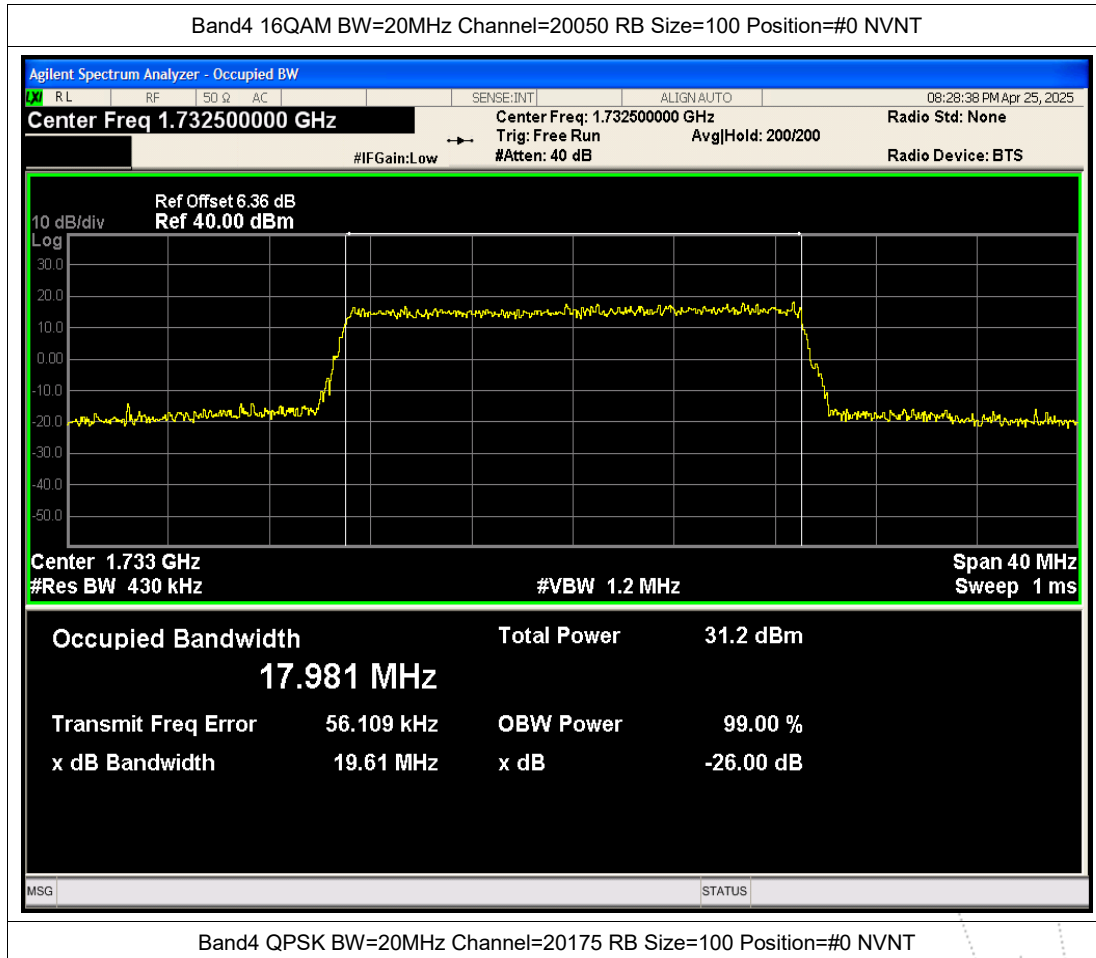


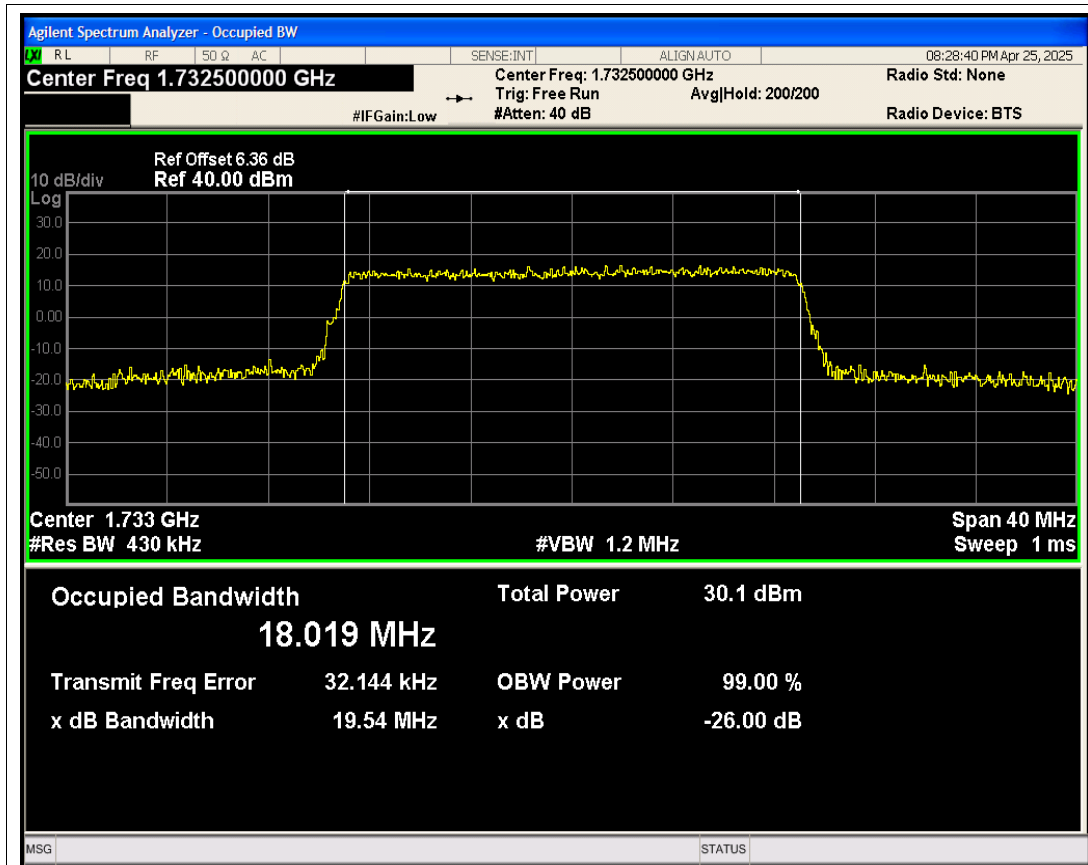




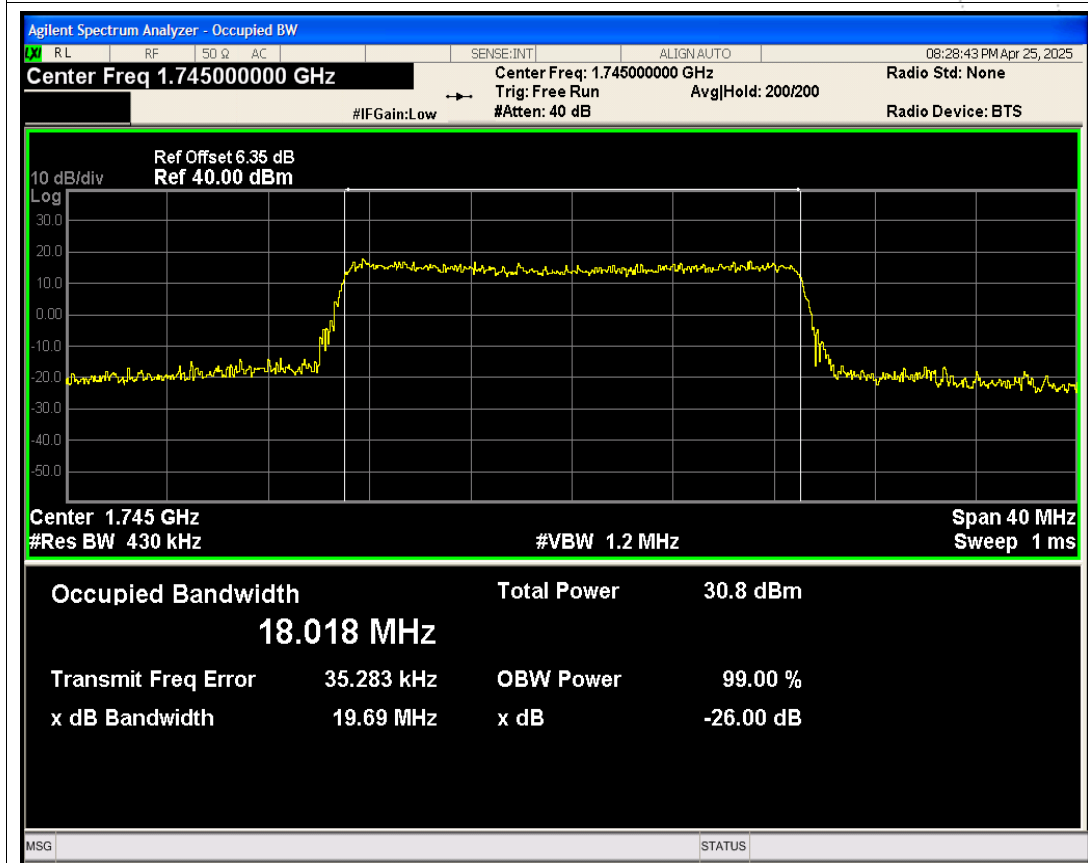
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

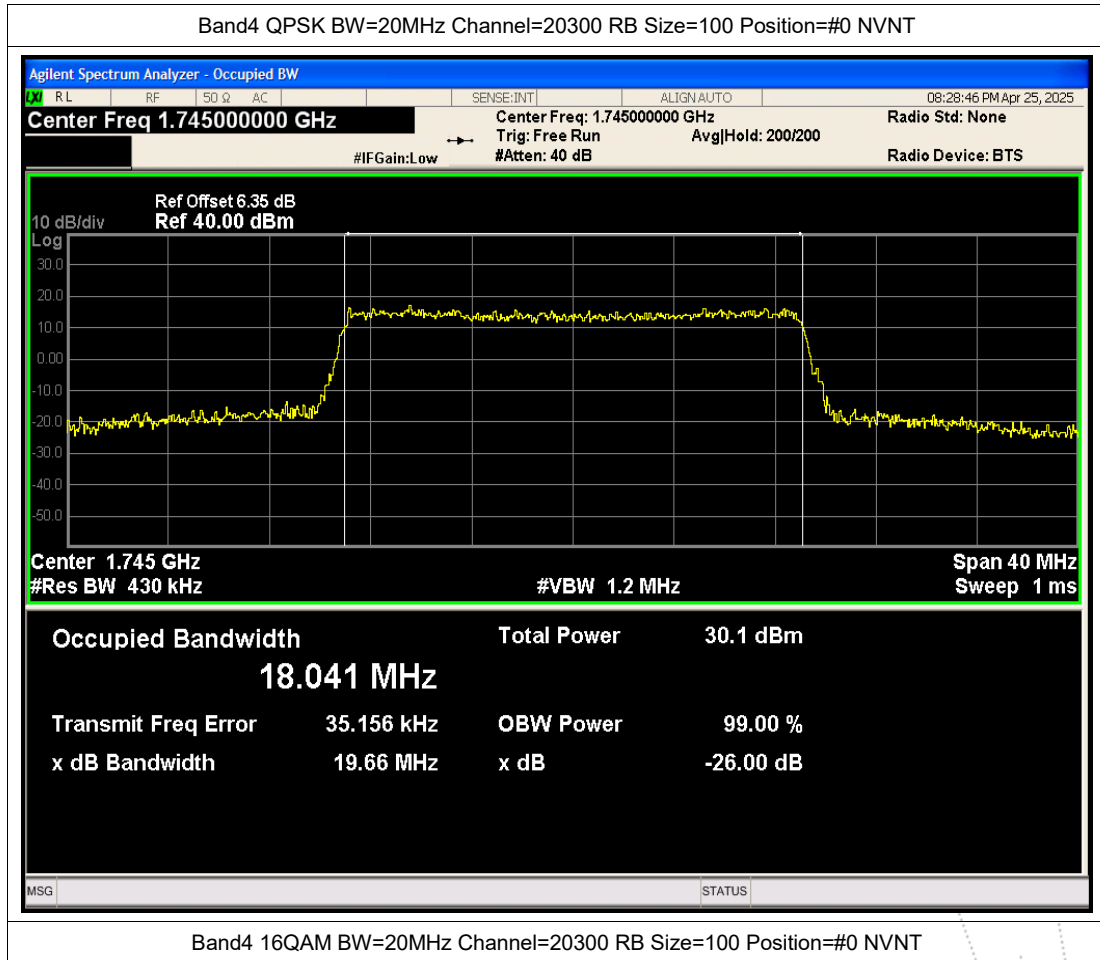






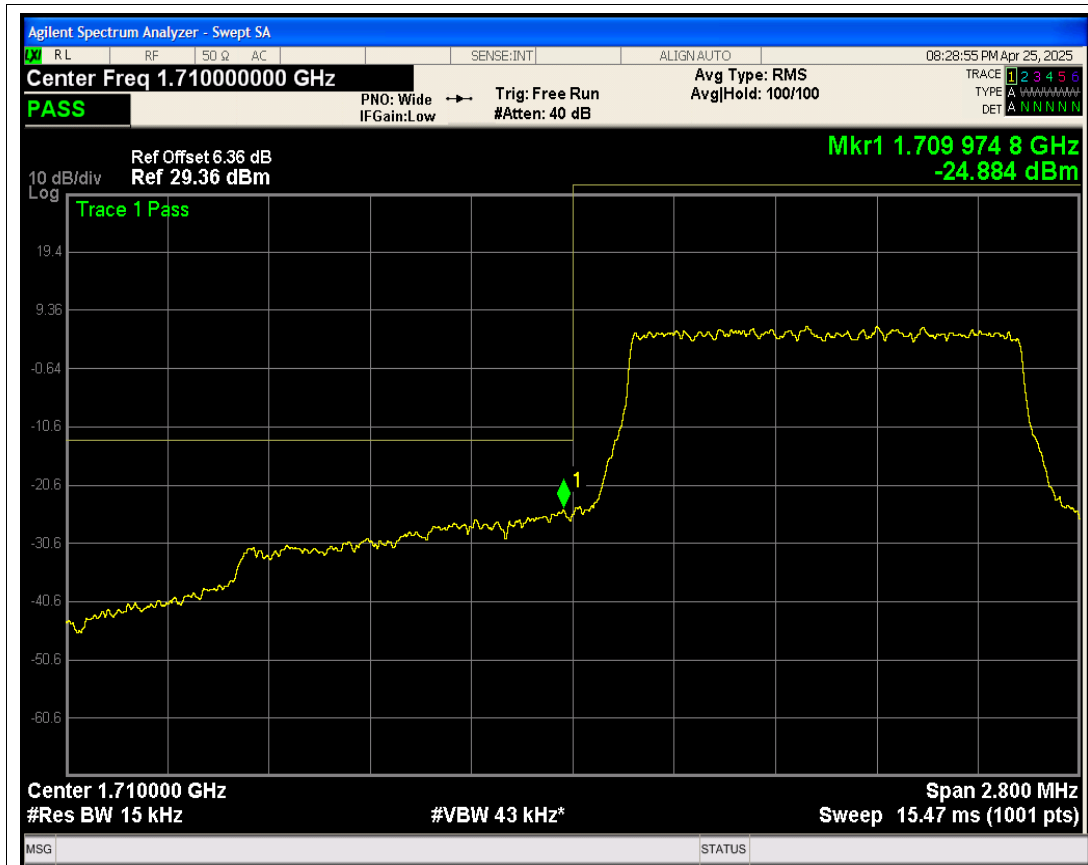
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



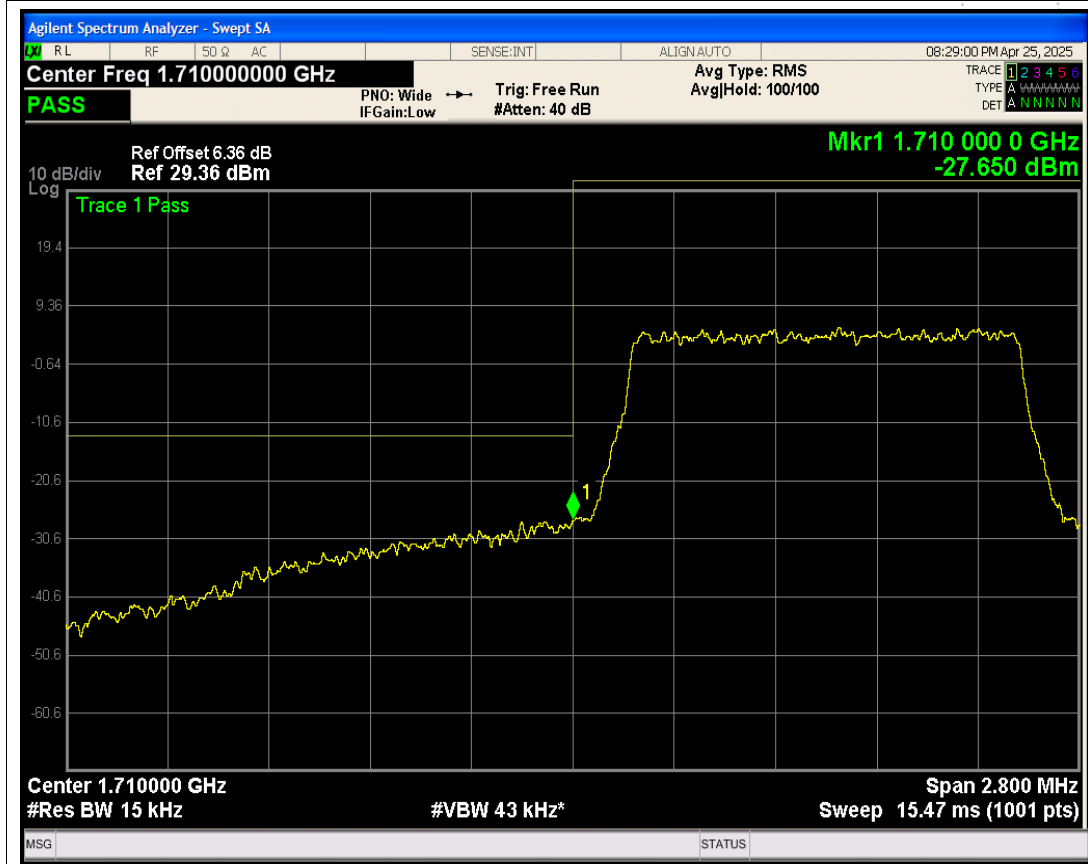


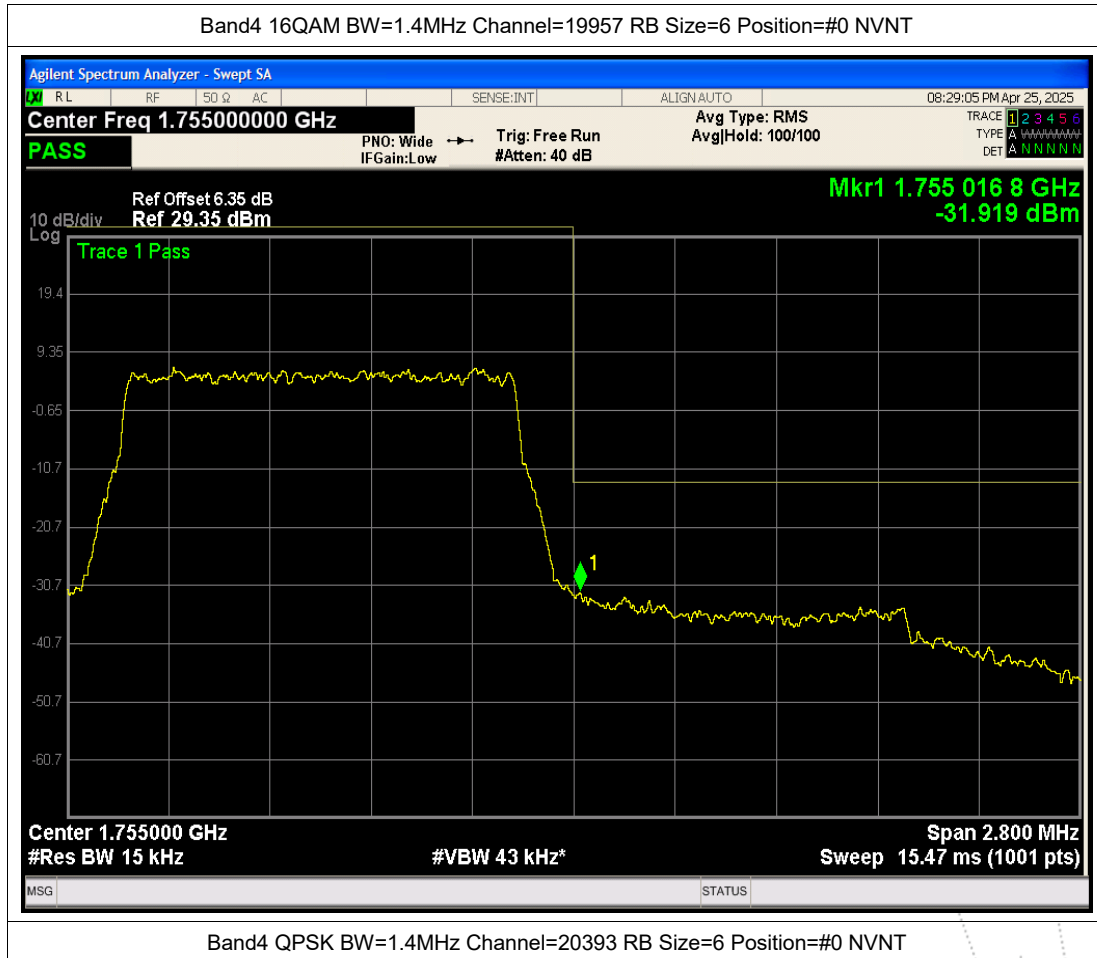
Appendix 5.Band edge

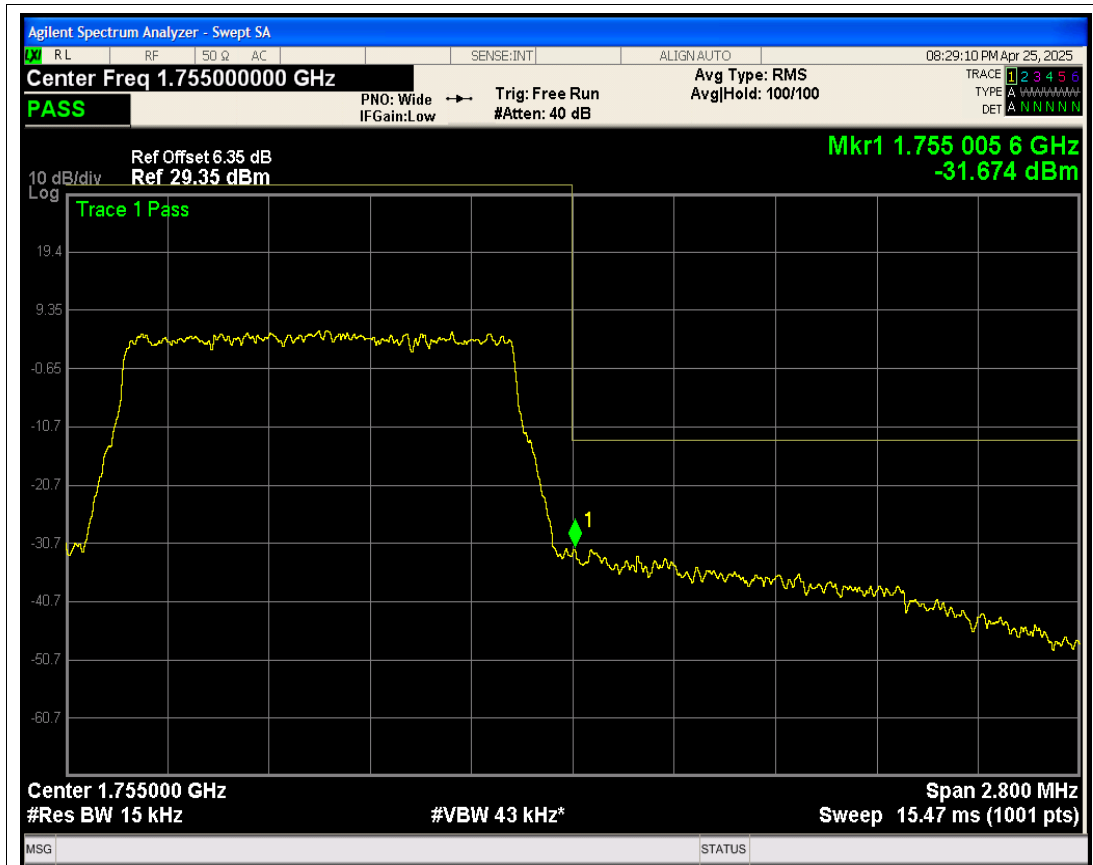
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1709.97	-24.88	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1710.00	-27.64	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.02	-31.91	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.01	-31.67	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-22.02	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-24.87	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-24.54	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-25.21	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-27.62	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-28.93	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.00	-31.10	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-31.40	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1710.00	-29.54	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1710.00	-31.93	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.10	-34.21	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.00	-32.07	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.19	-28.22	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1709.13	-31.34	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.00	-29.57	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.00	-30.54	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1710.00	-30.70	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1709.84	-31.74	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.08	-30.83	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.00	-30.85	-13	PASS



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

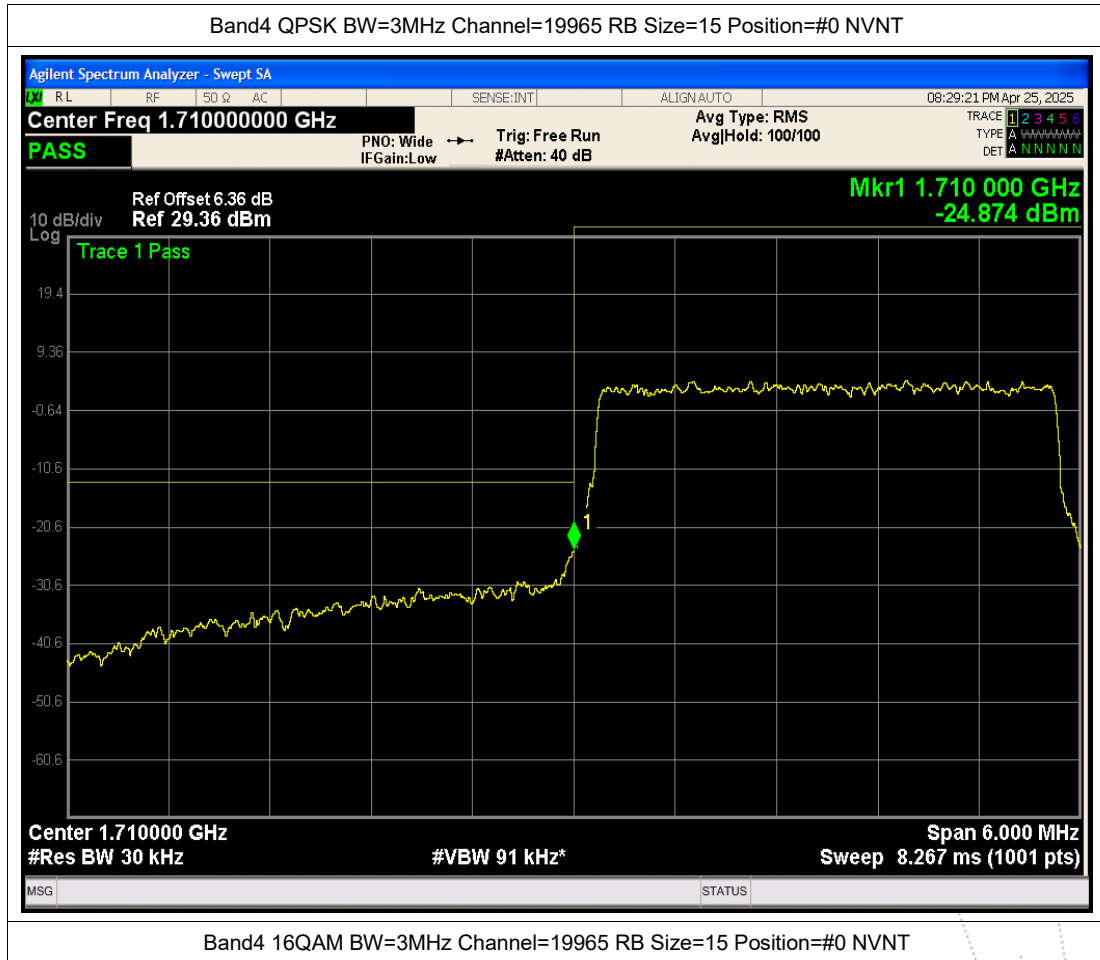


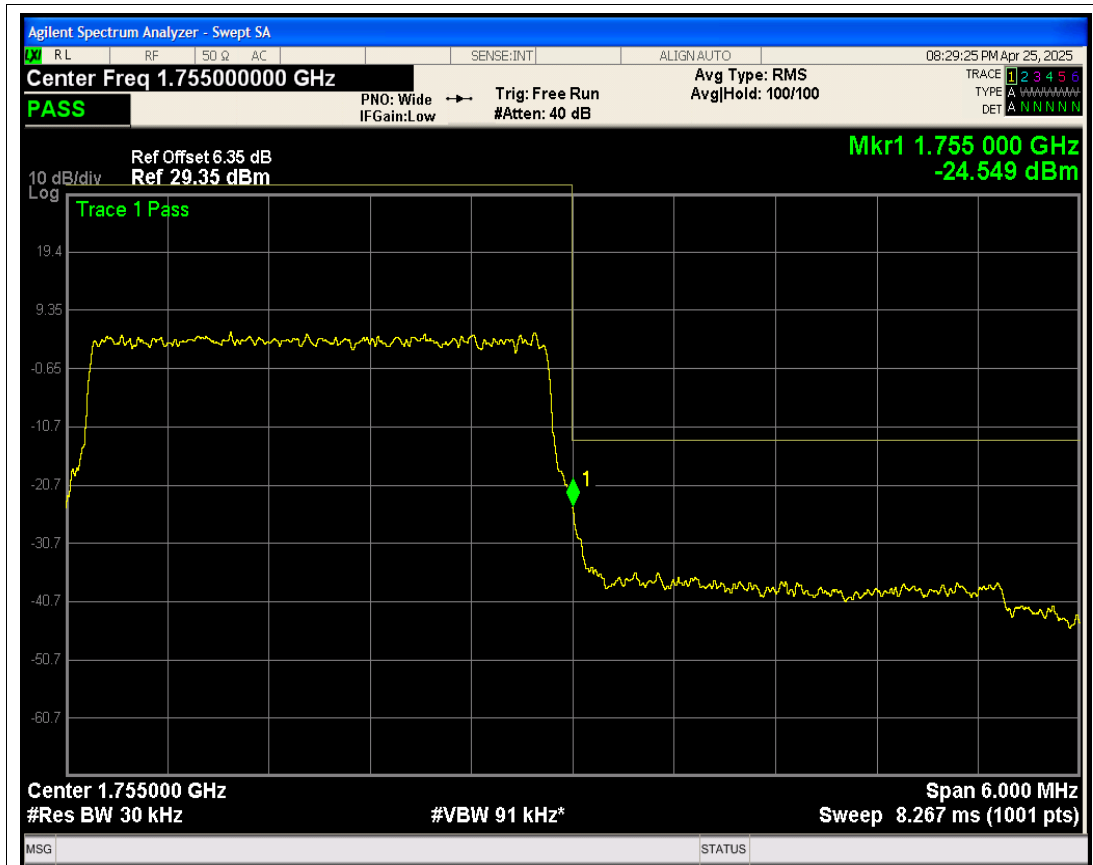




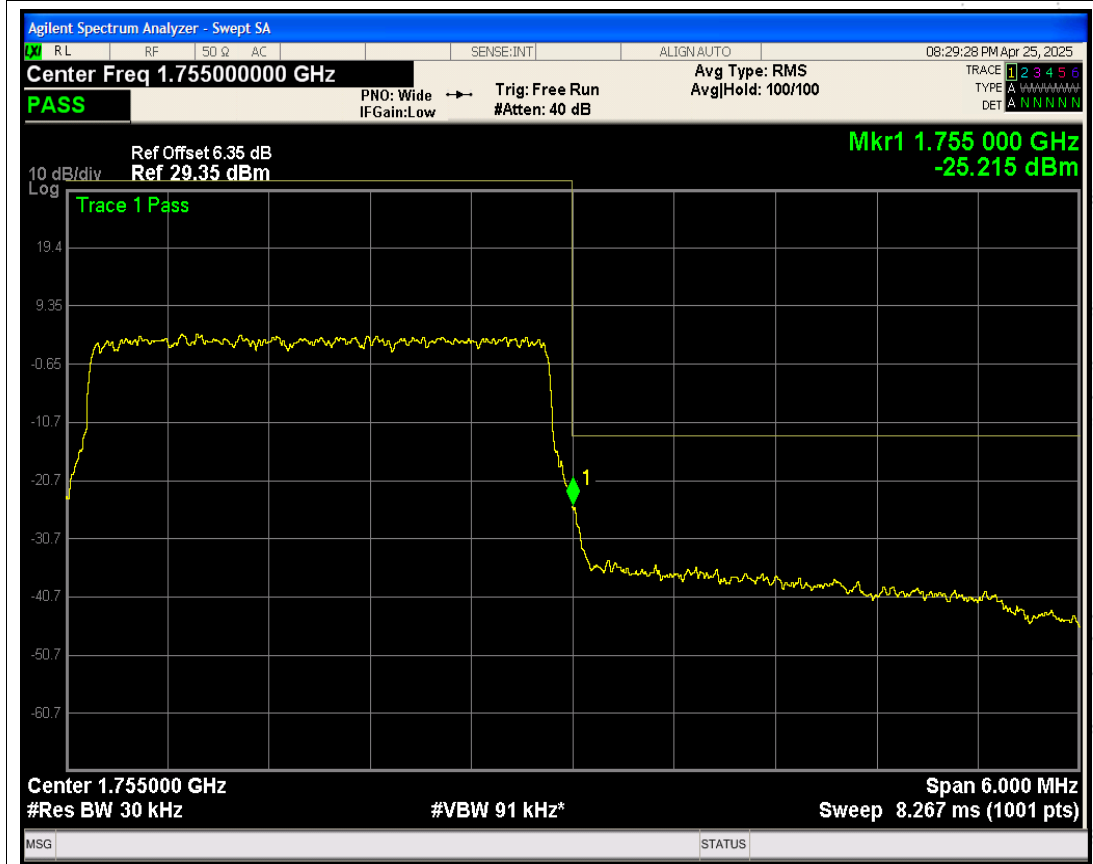
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

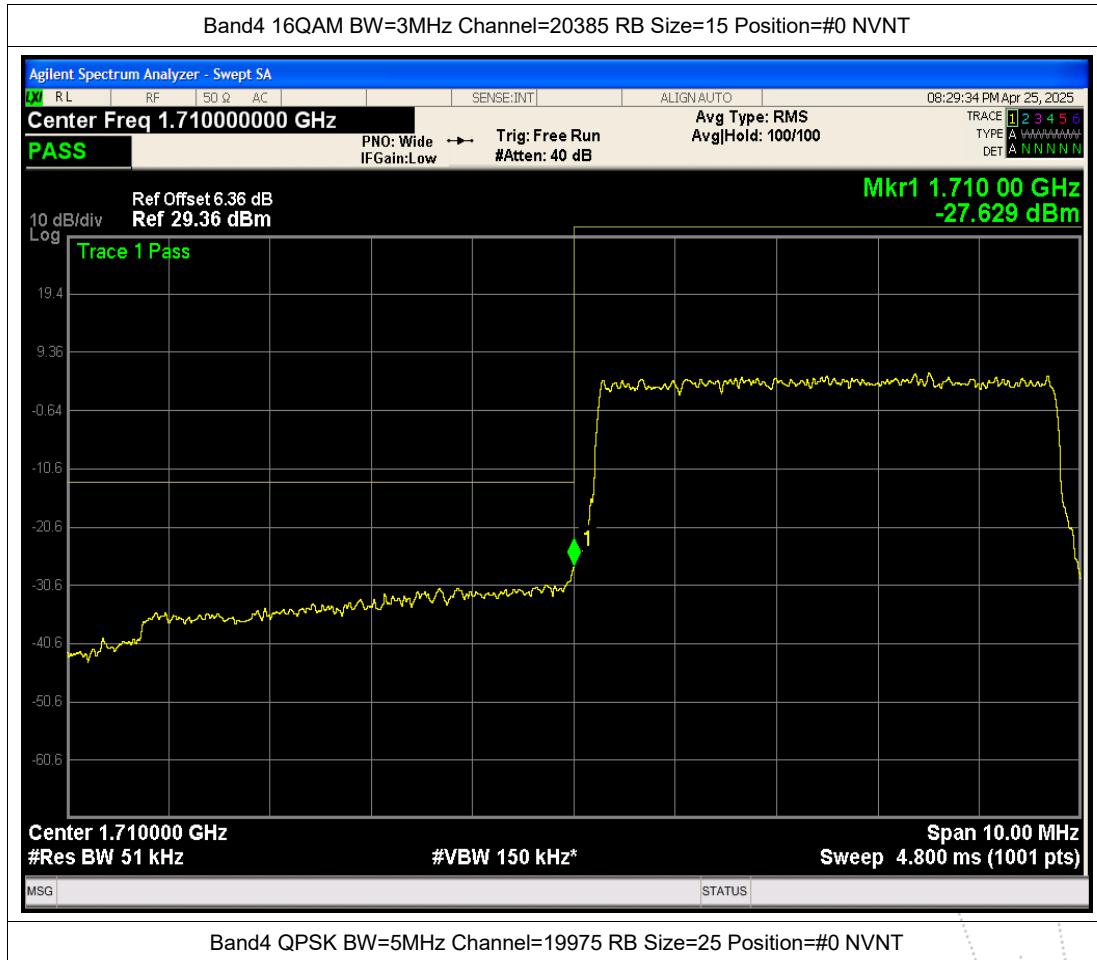


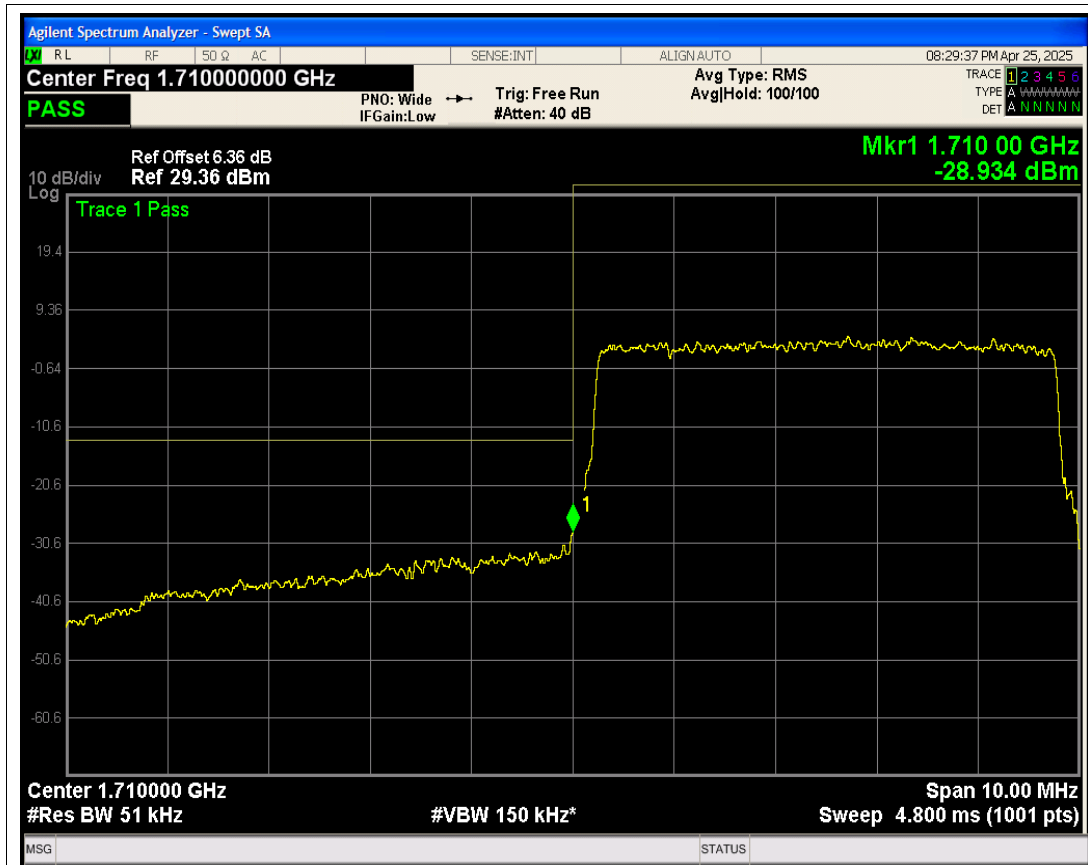




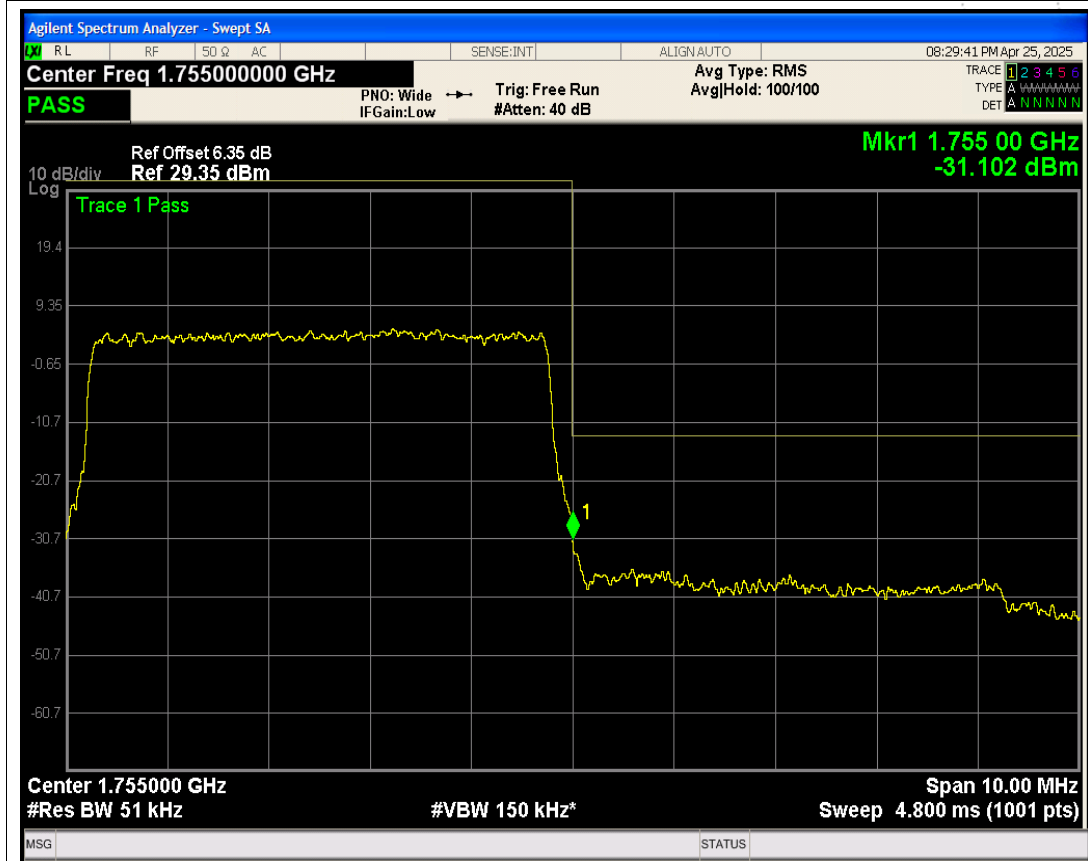
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

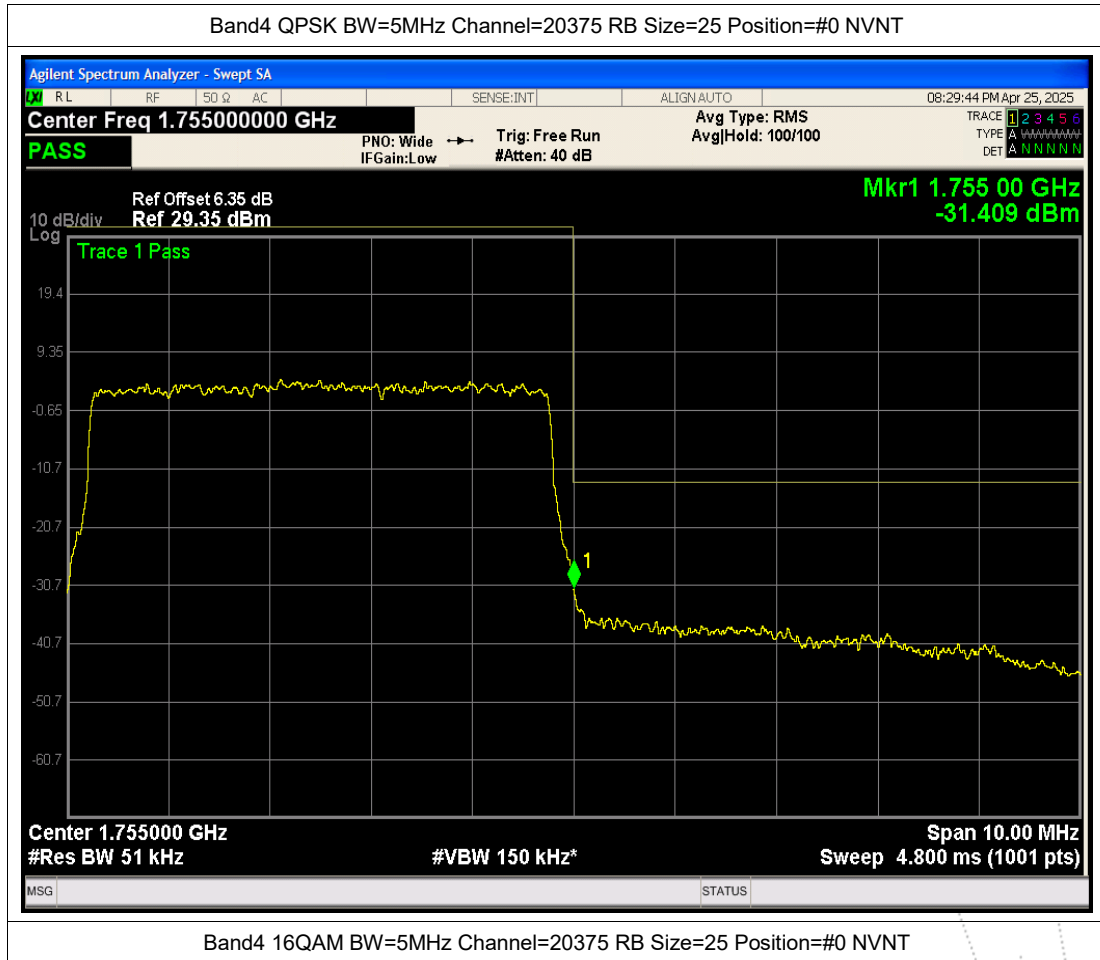


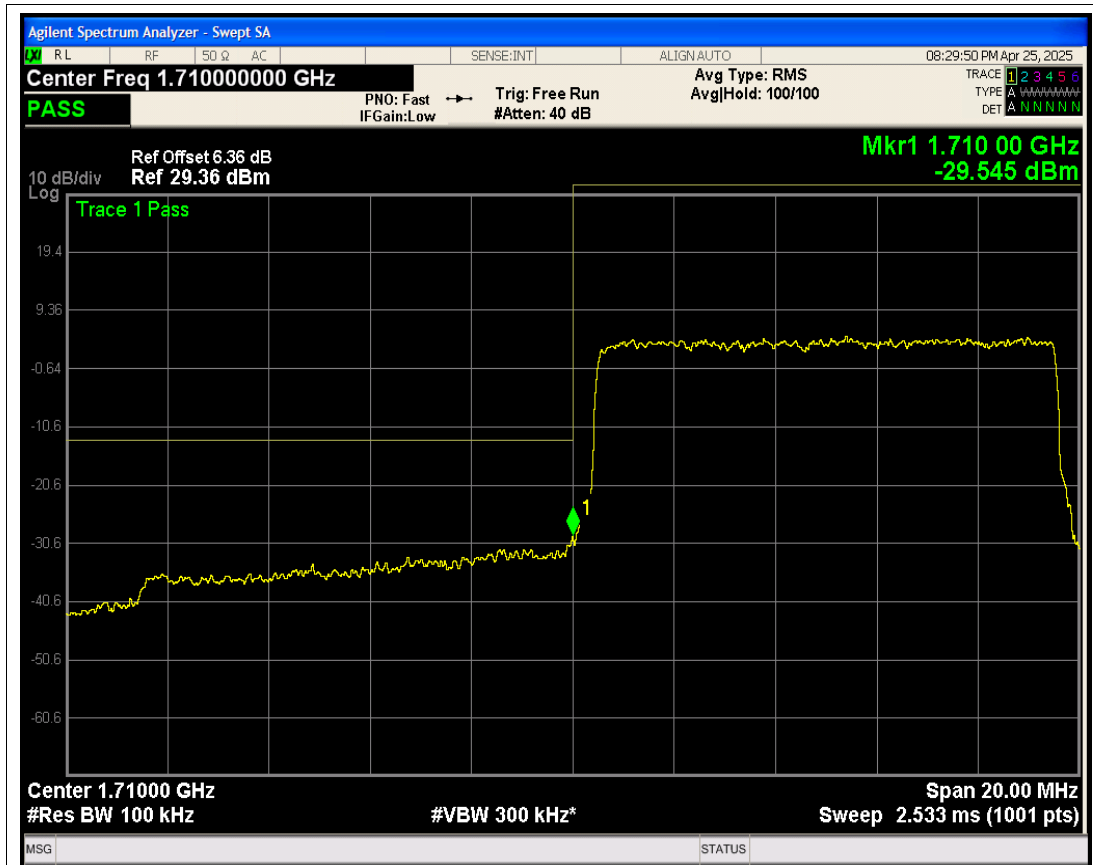




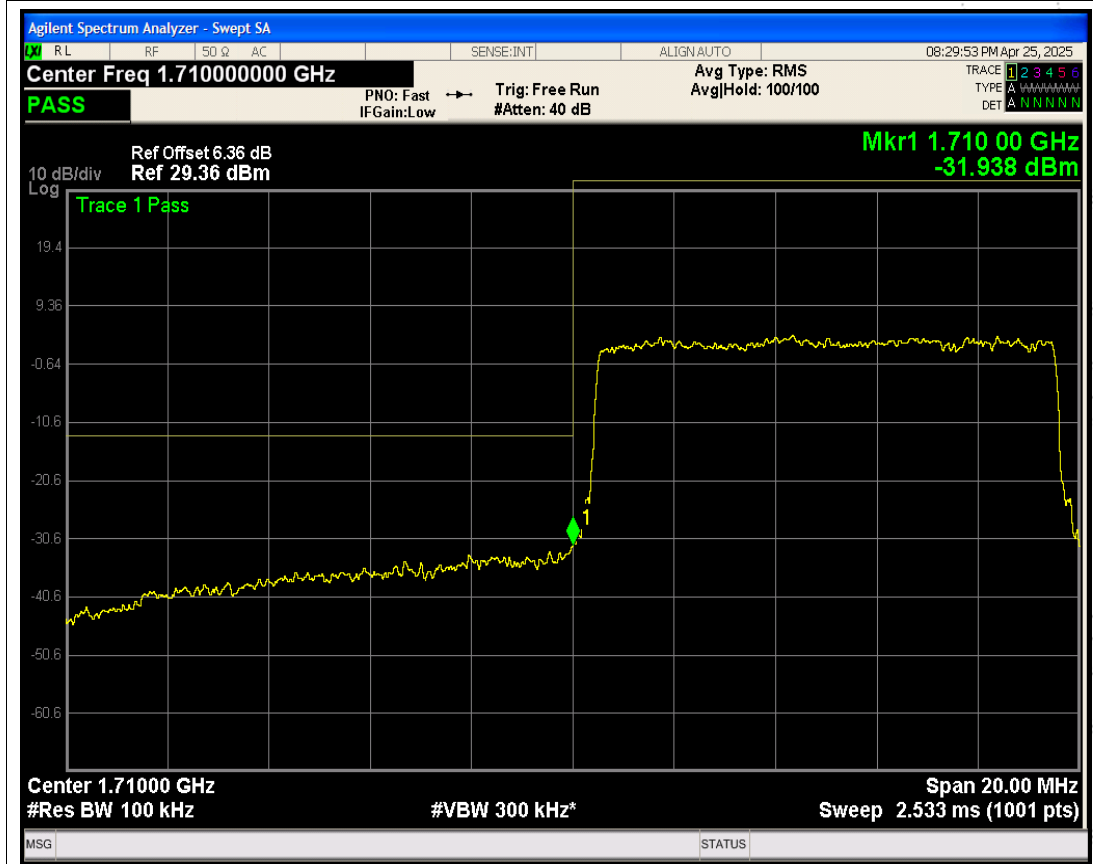
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

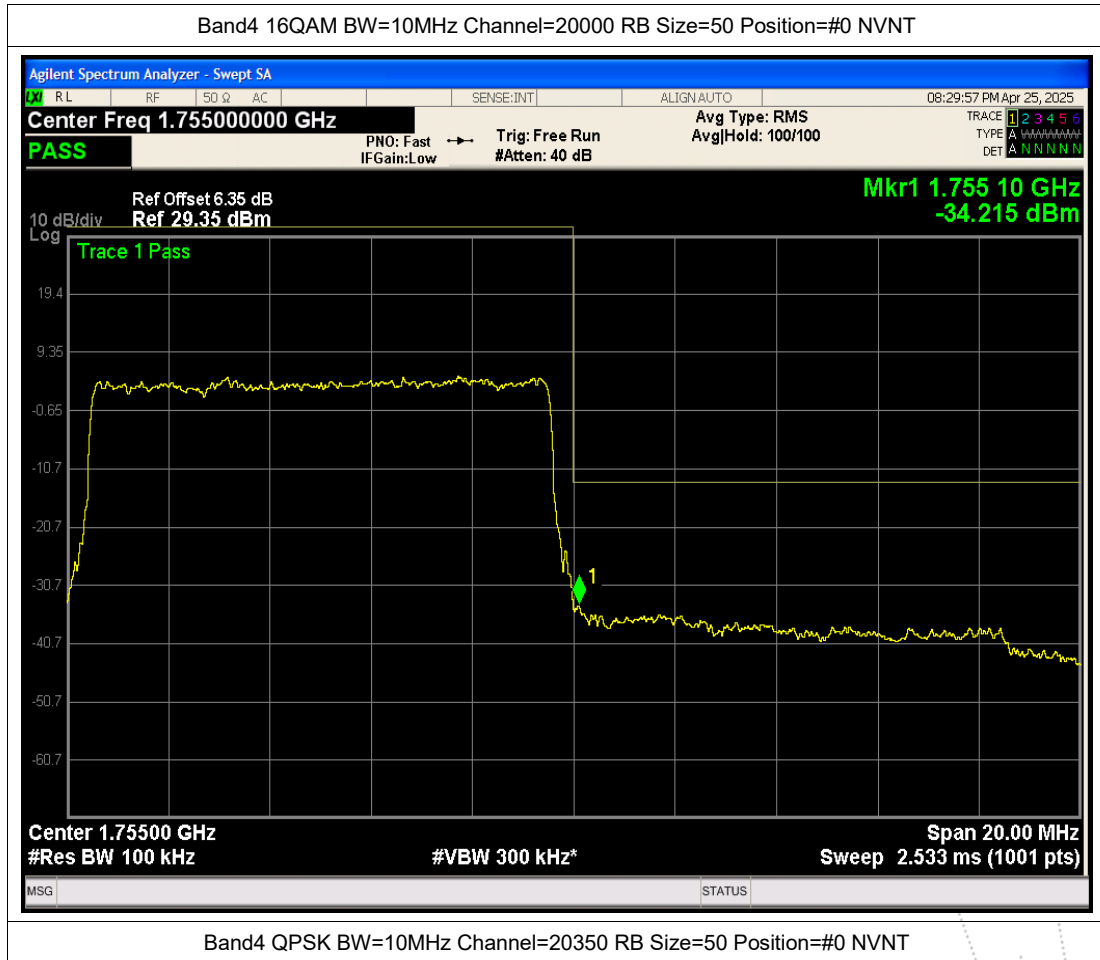


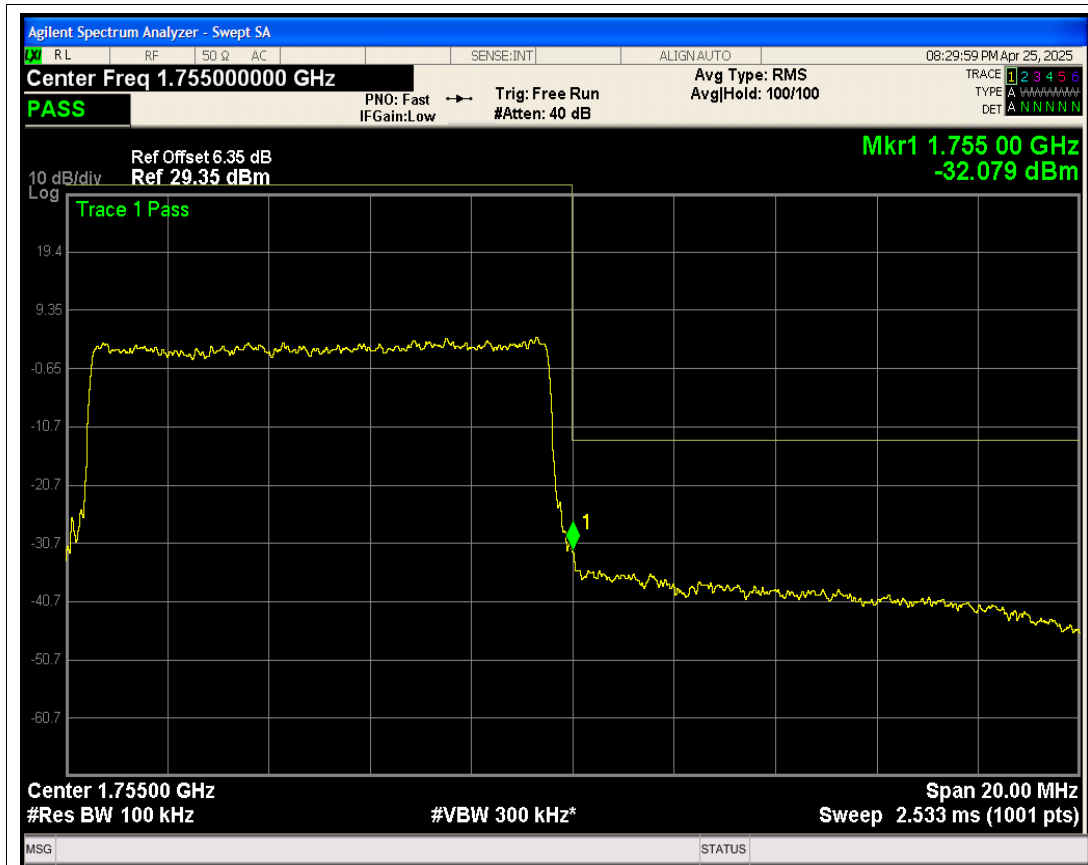




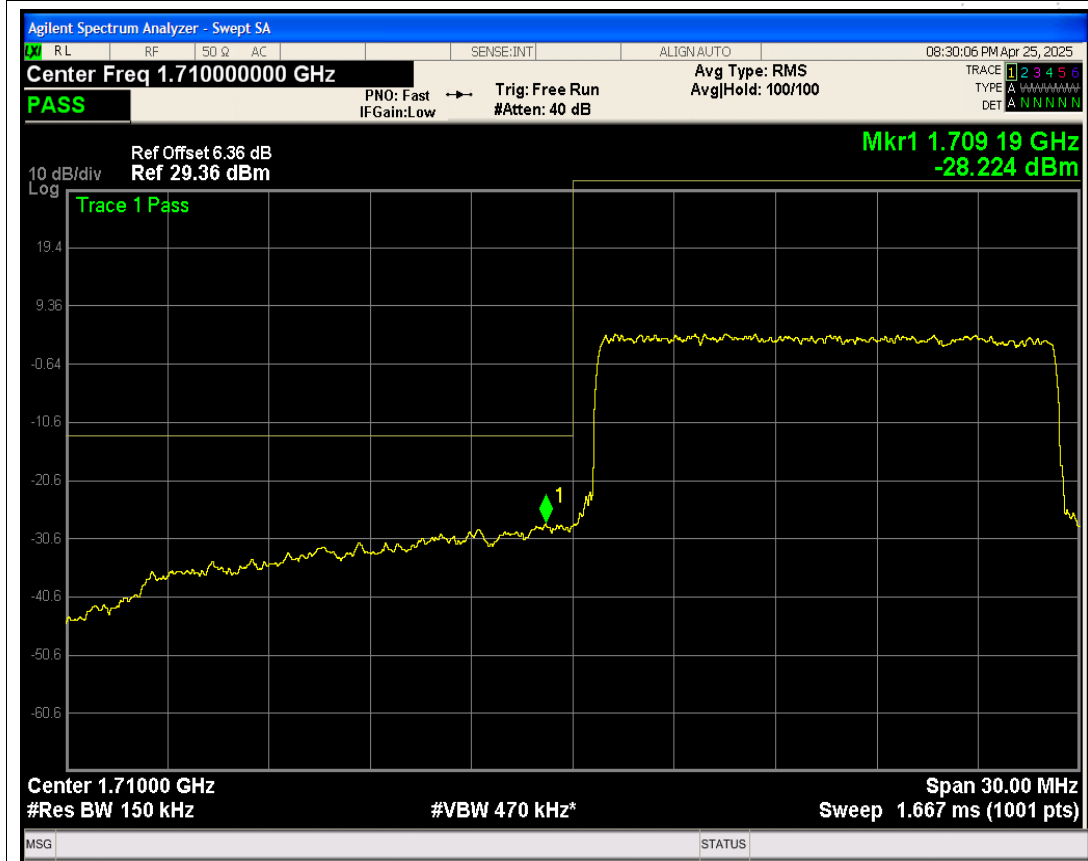
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

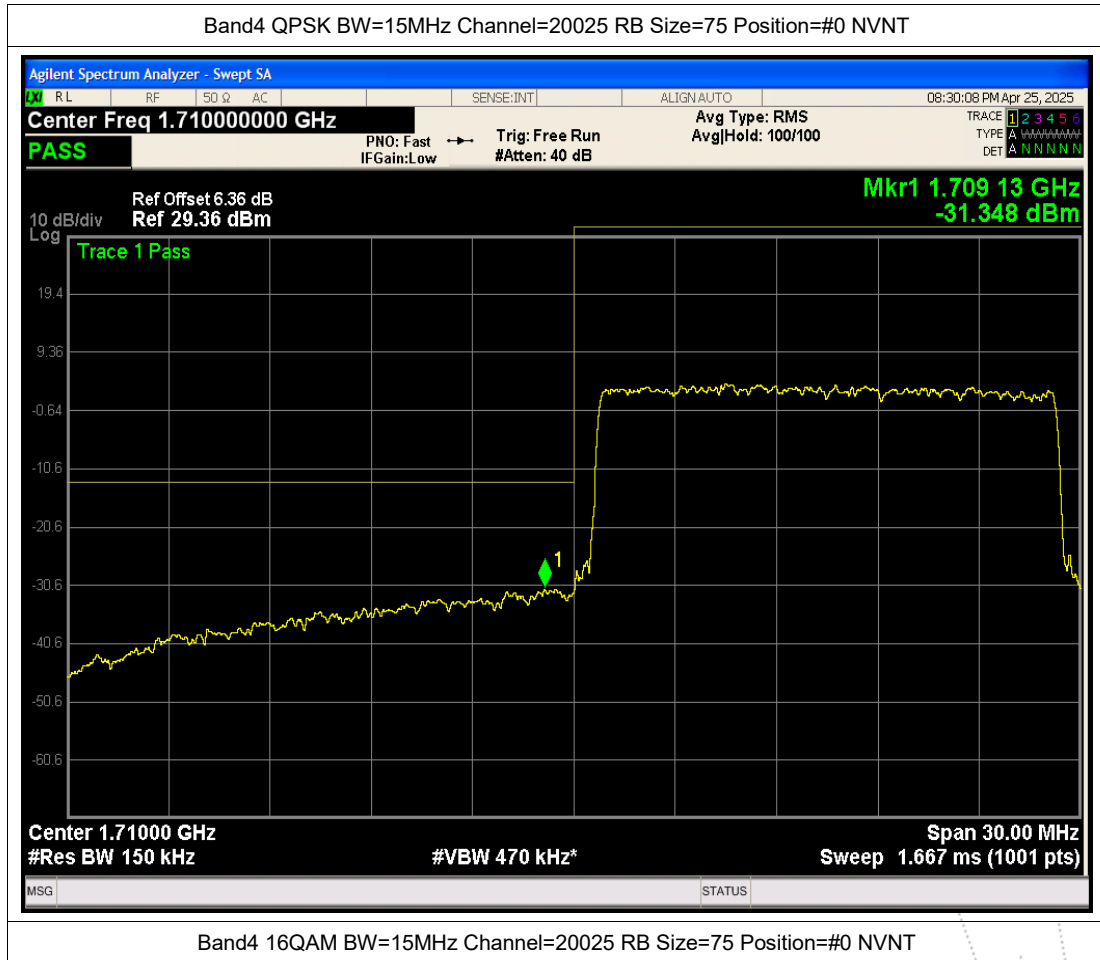


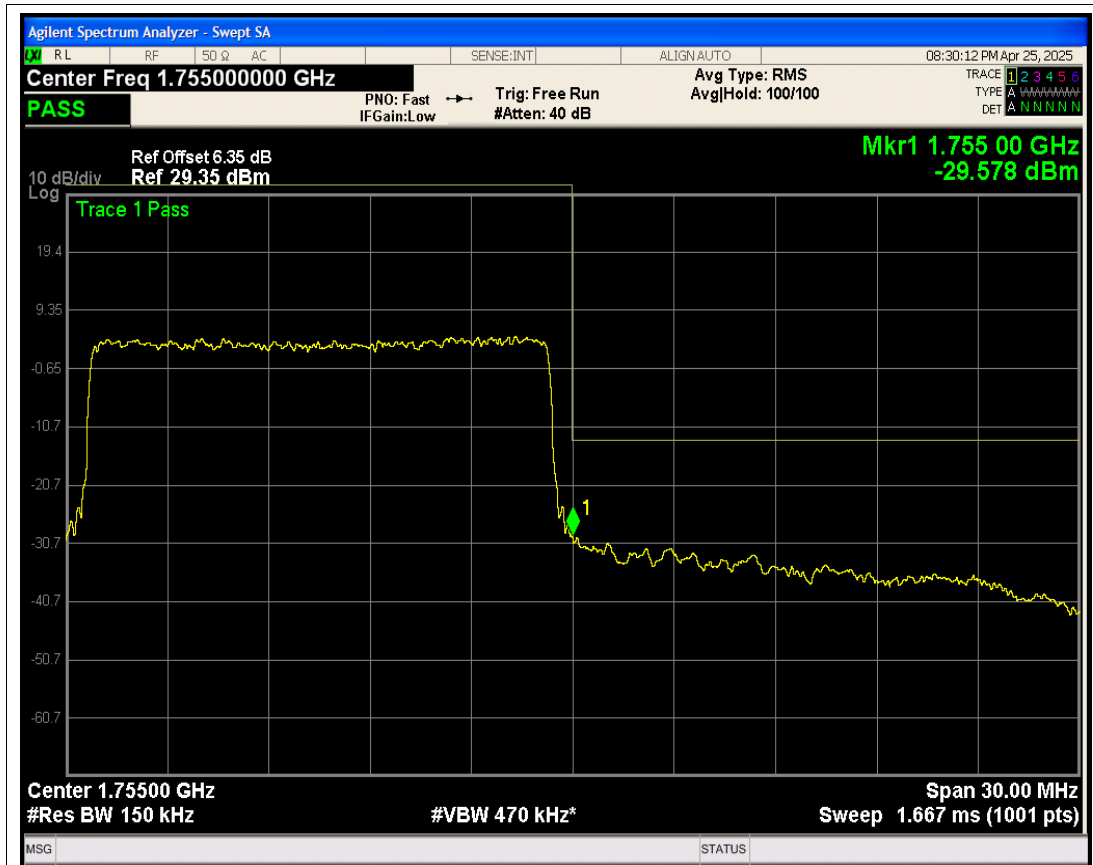




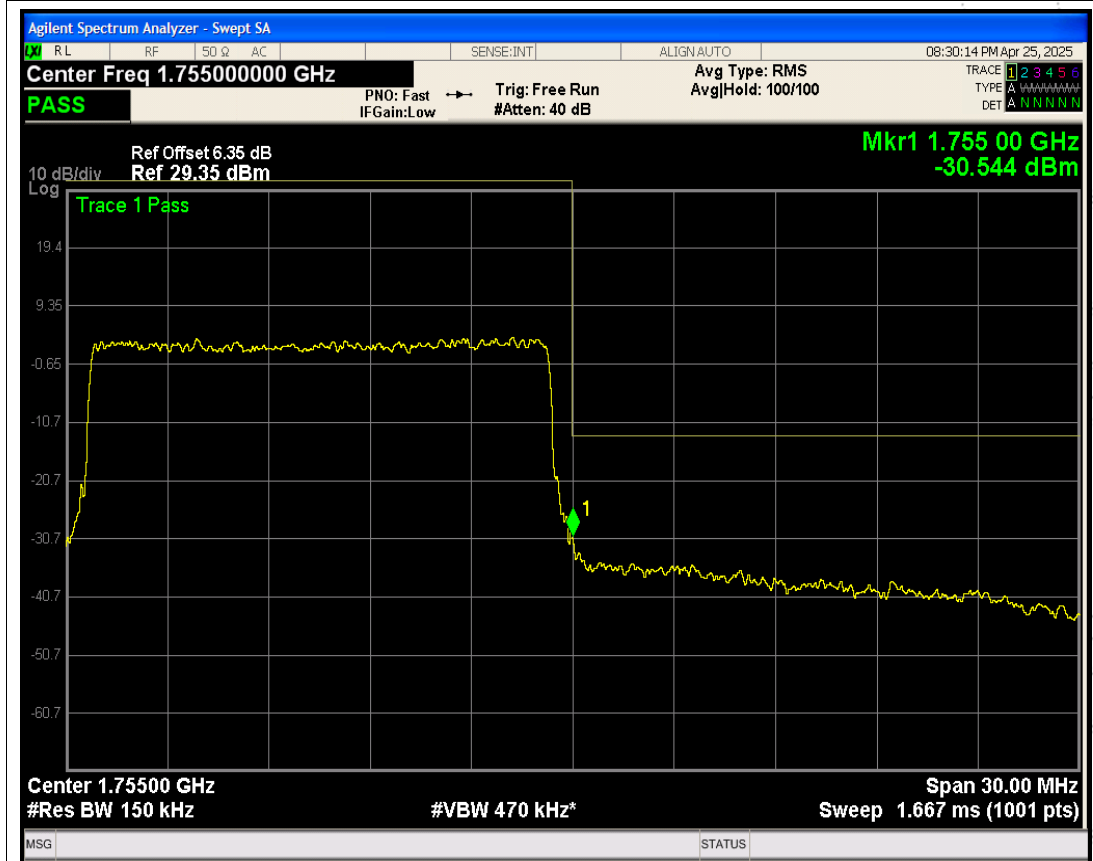
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

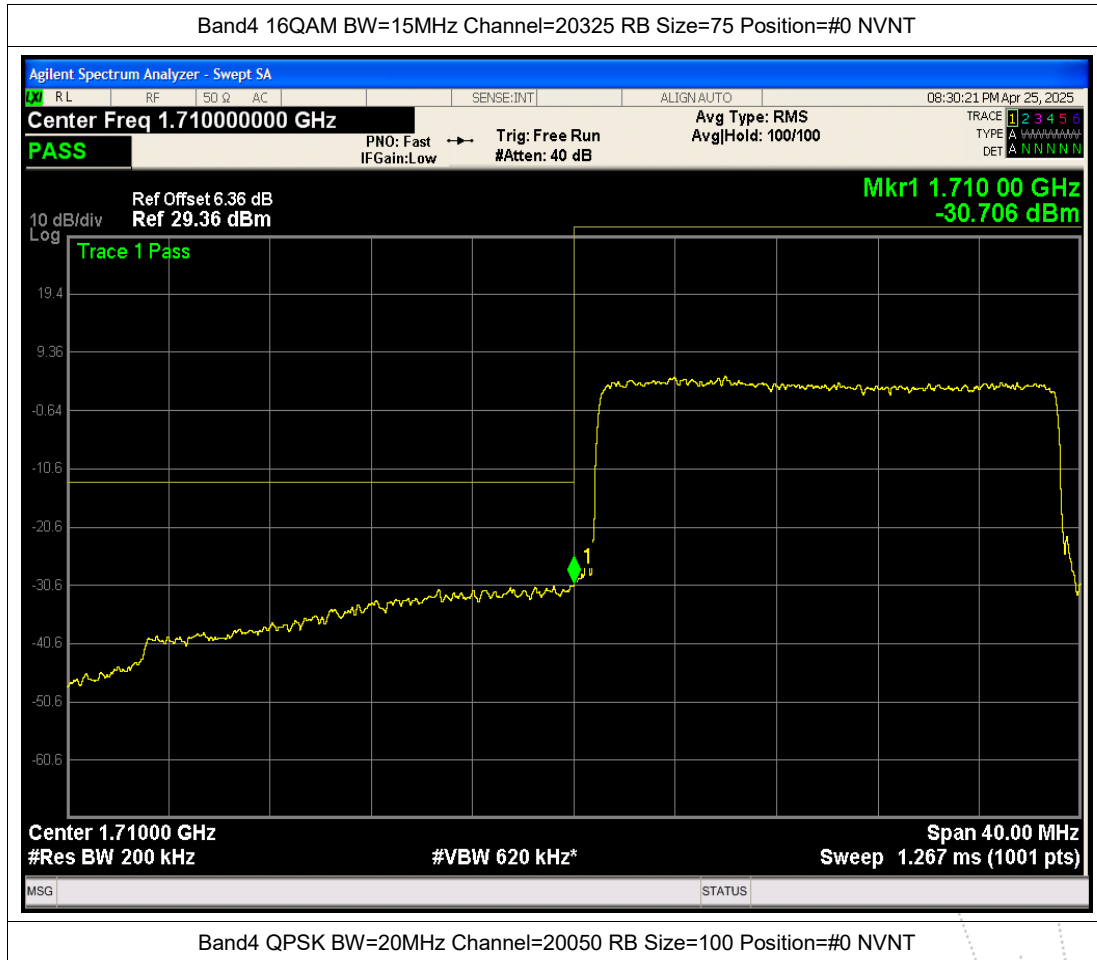


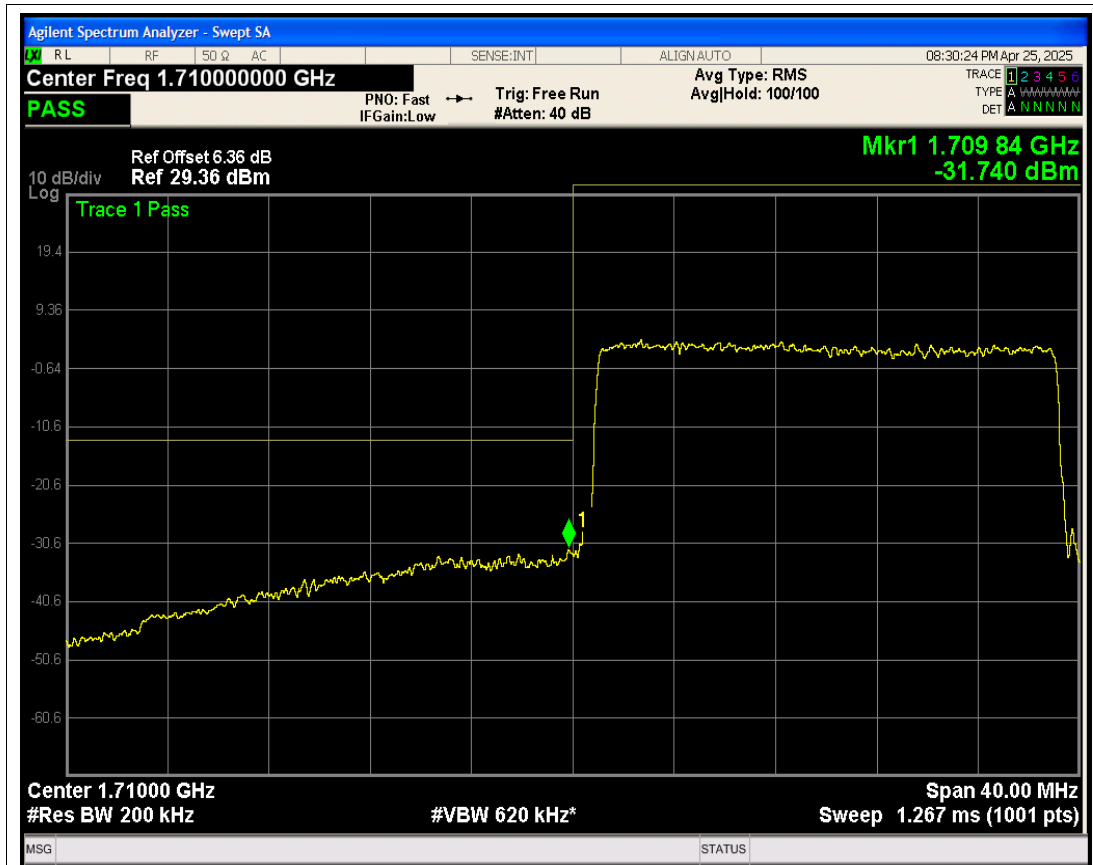




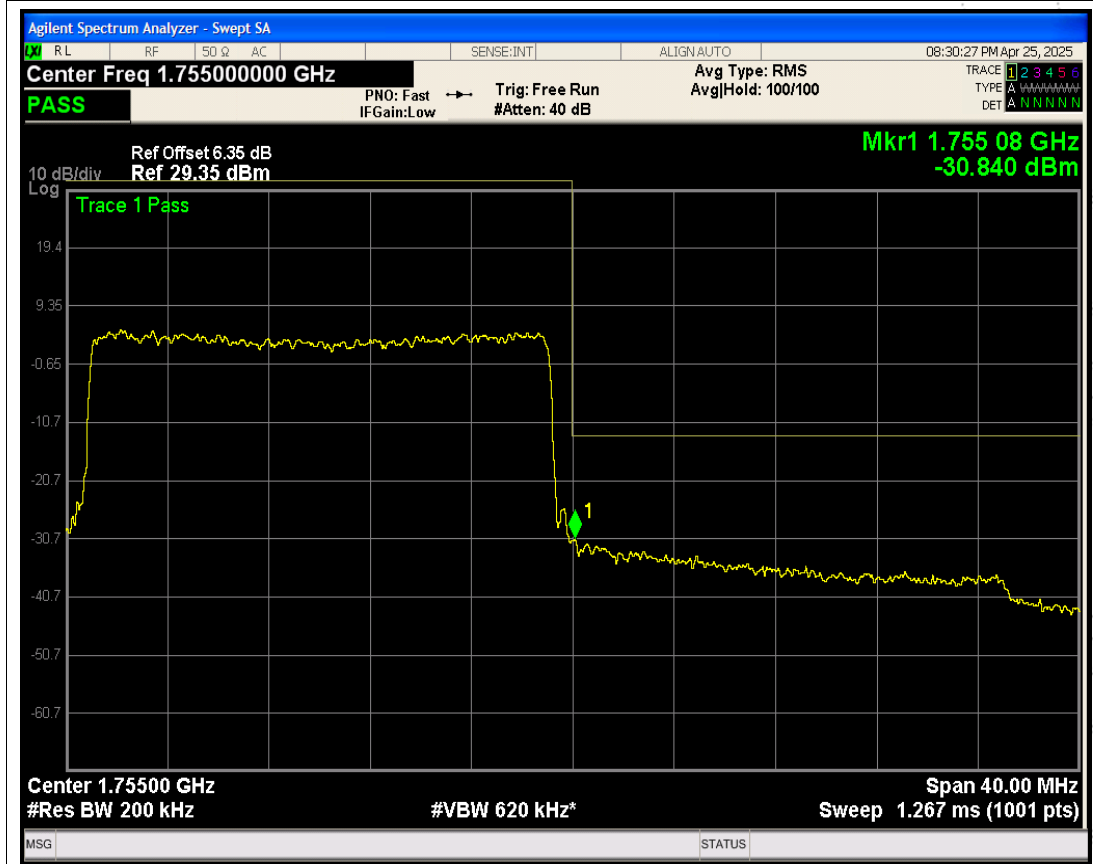
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

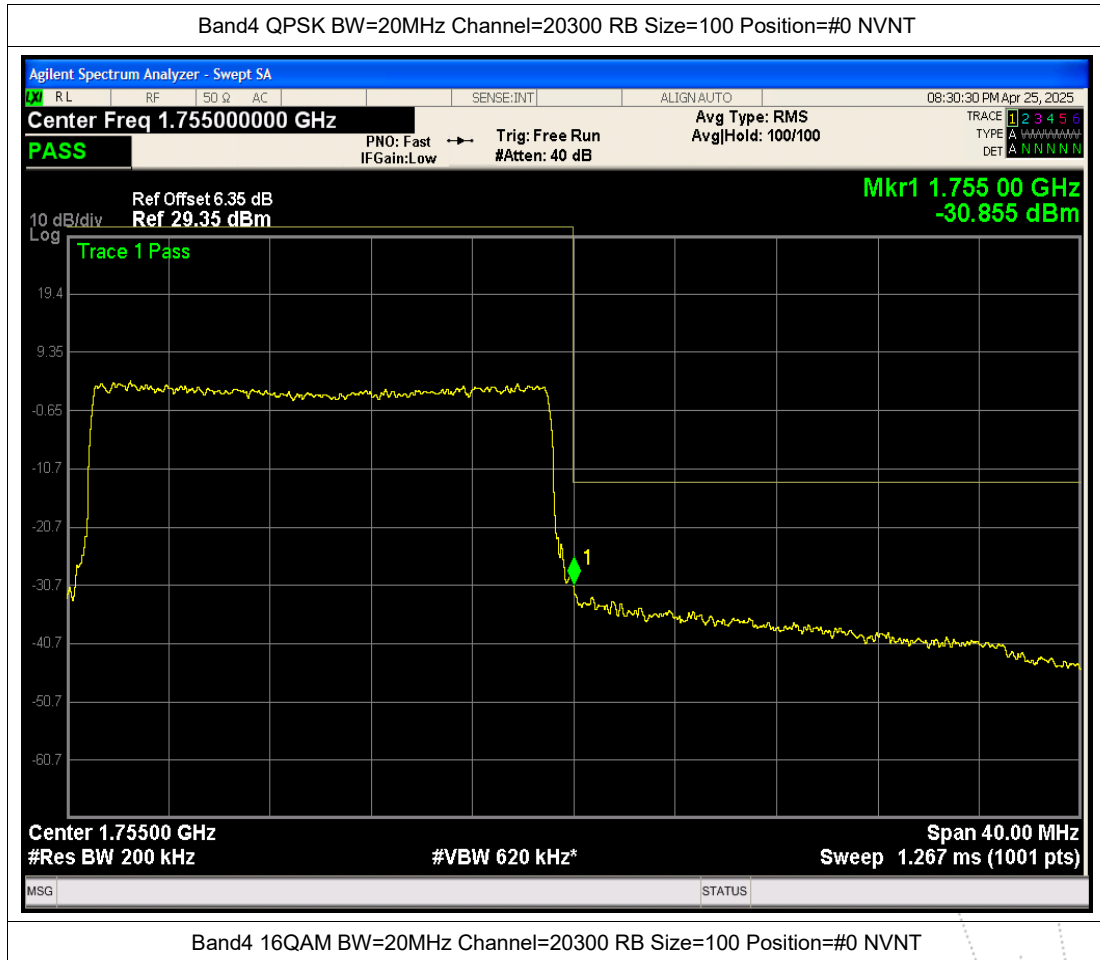






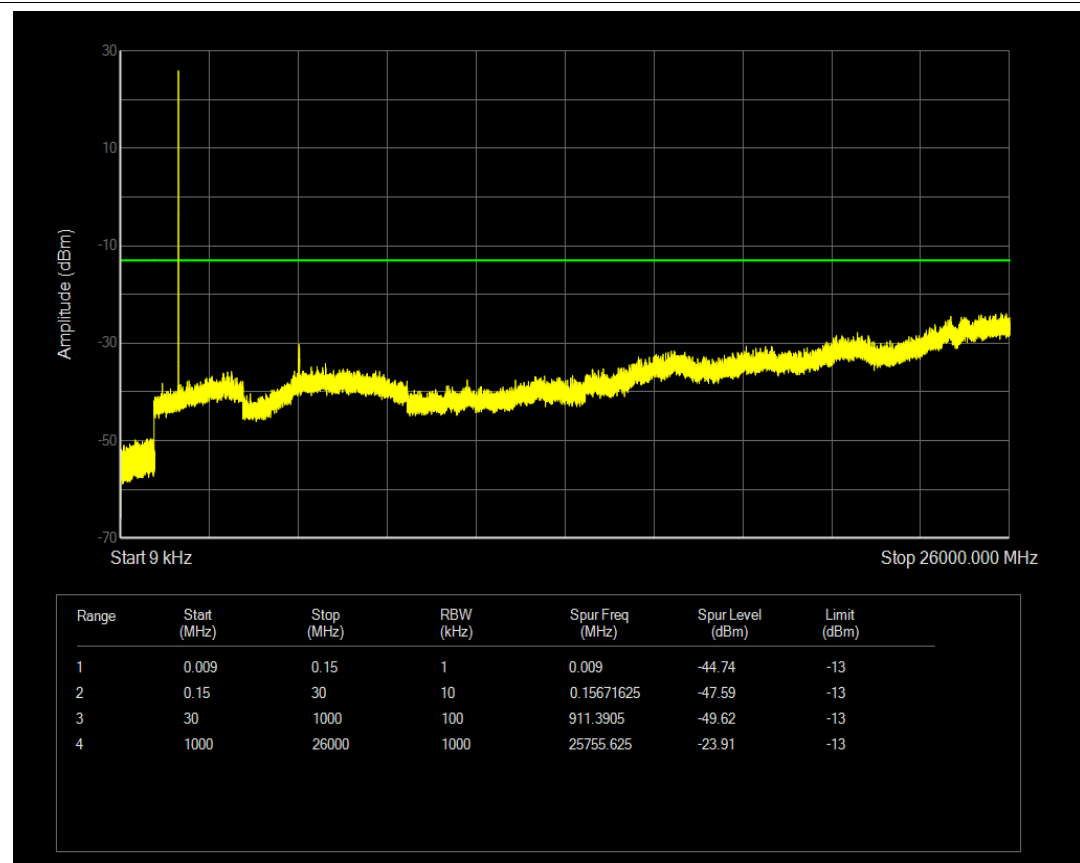
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



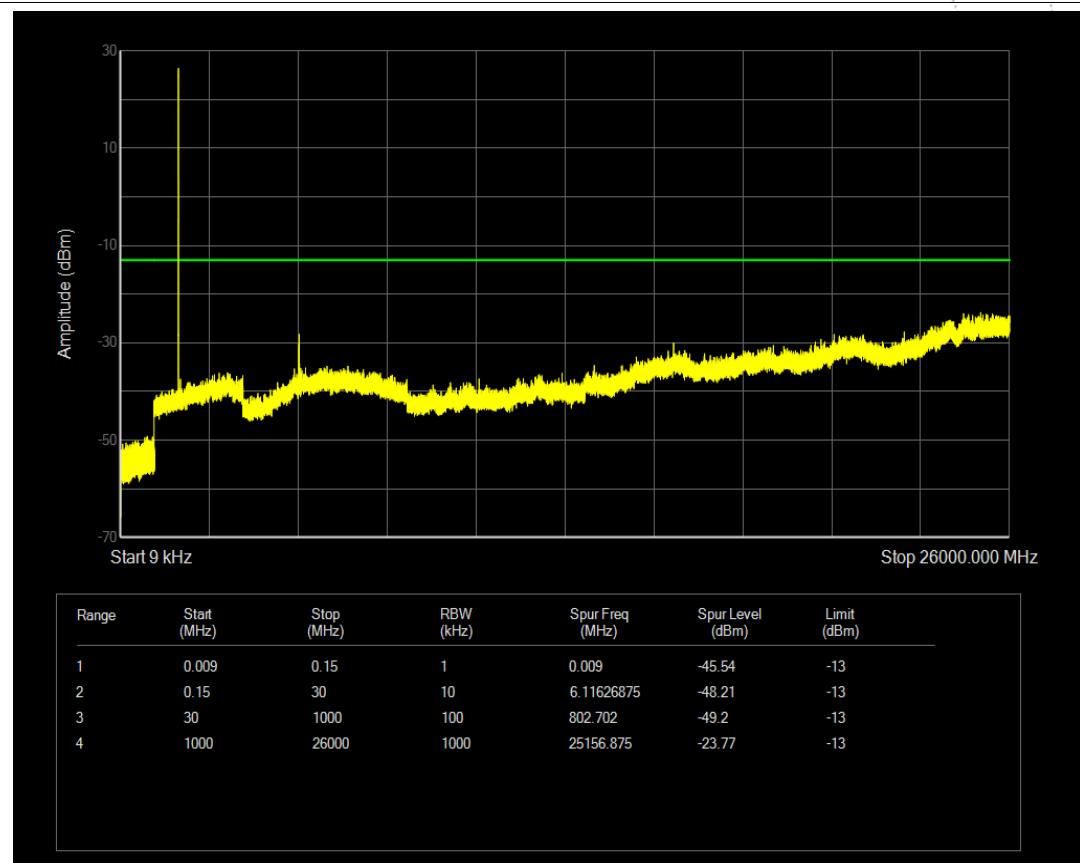


Appendix 6.Out-of-band emissions

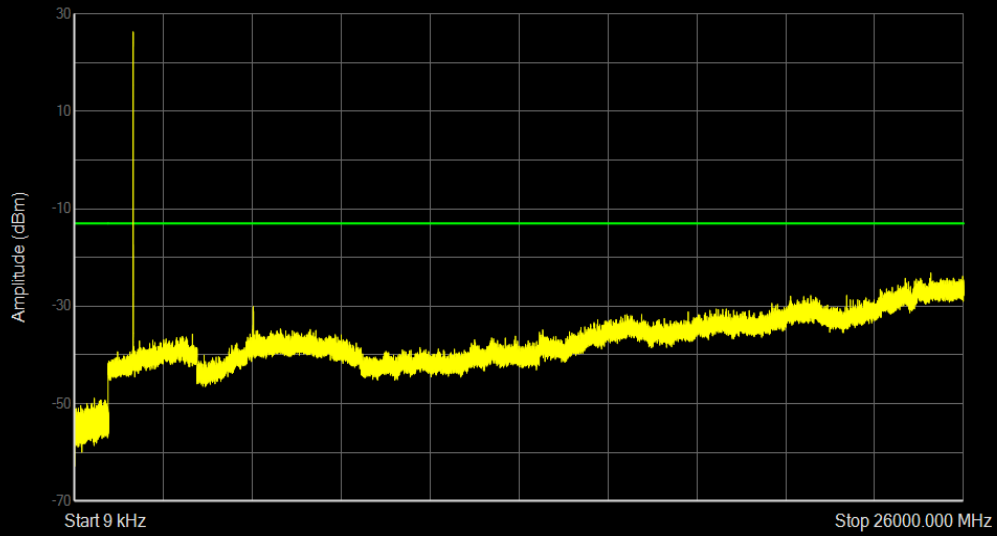
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25755.63	-23.91	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25156.88	-23.77	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25043.13	-23.16	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25654.38	-23.65	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25461.25	-23.52	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	24743.75	-22.27	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25981.25	-22.84	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	24685.63	-23.44	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25355.00	-23.93	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25082.50	-23.41	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25186.25	-22.91	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25133.75	-23.88	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25758.13	-22.61	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25848.75	-23.82	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25217.50	-23.28	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25801.88	-22.73	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25160.00	-23.62	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25861.88	-23.20	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25470.63	-23.35	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25605.63	-23.63	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25904.38	-23.35	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25655.00	-23.52	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25542.50	-22.98	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25300.63	-23.60	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	24698.75	-23.26	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25710.00	-23.56	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25198.13	-23.13	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25860.00	-23.47	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25973.75	-23.61	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25798.13	-23.49	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	24694.38	-23.21	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25775.63	-22.91	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25588.13	-23.25	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25956.25	-23.41	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25057.50	-23.62	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	25612.50	-23.53	-13	PASS



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

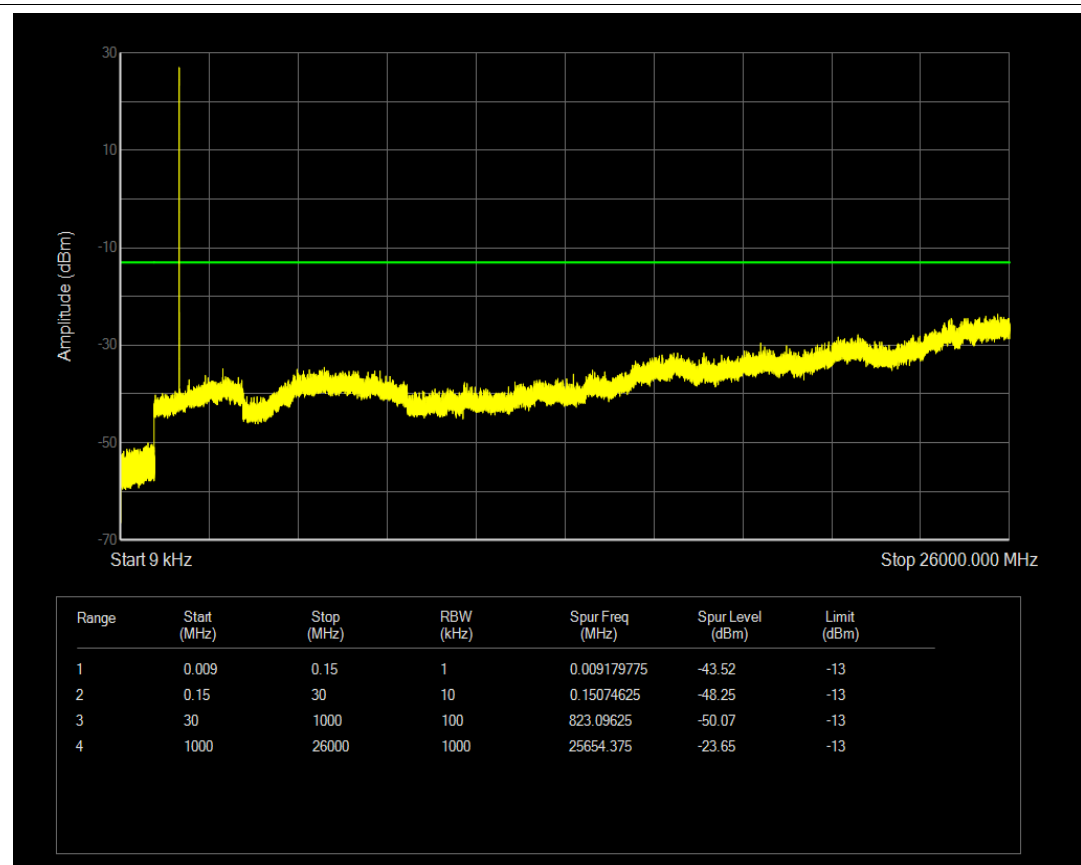


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

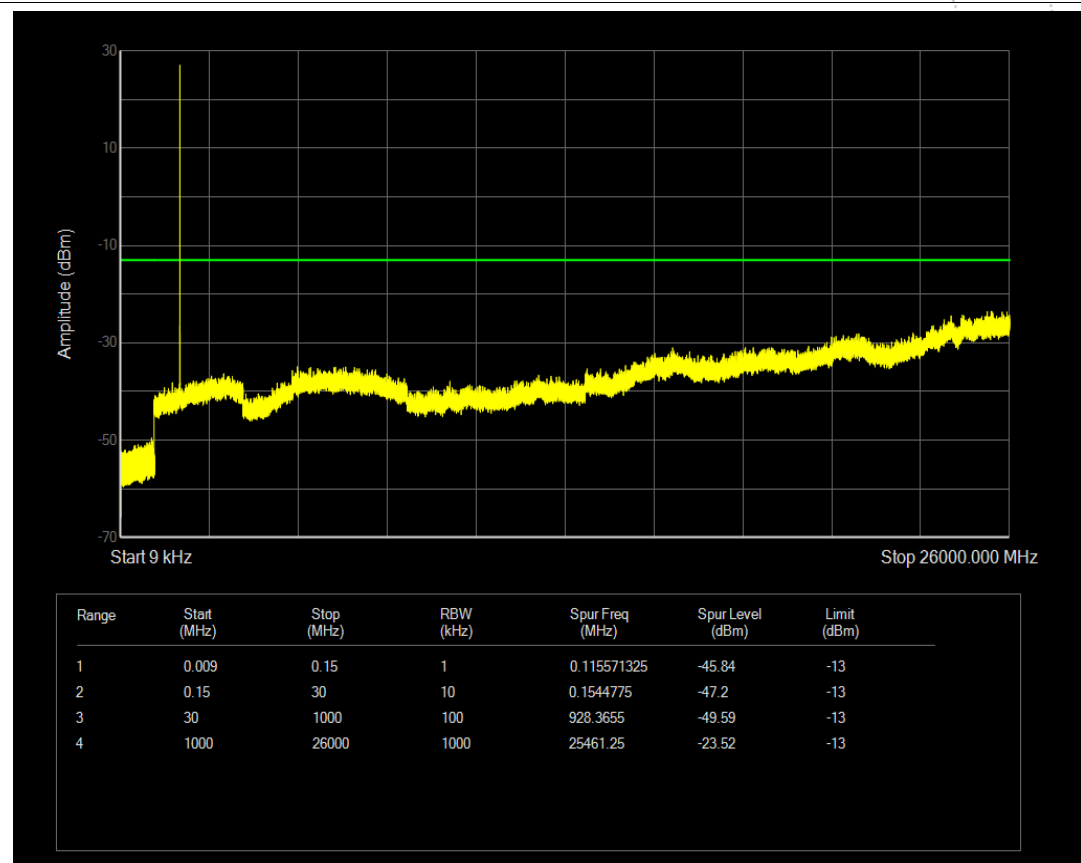


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.5	-13
2	0.15	30	10	0.15522375	-48.02	-13
3	30	1000	100	596.64975	-48.9	-13
4	1000	26000	1000	25043.125	-23.16	-13

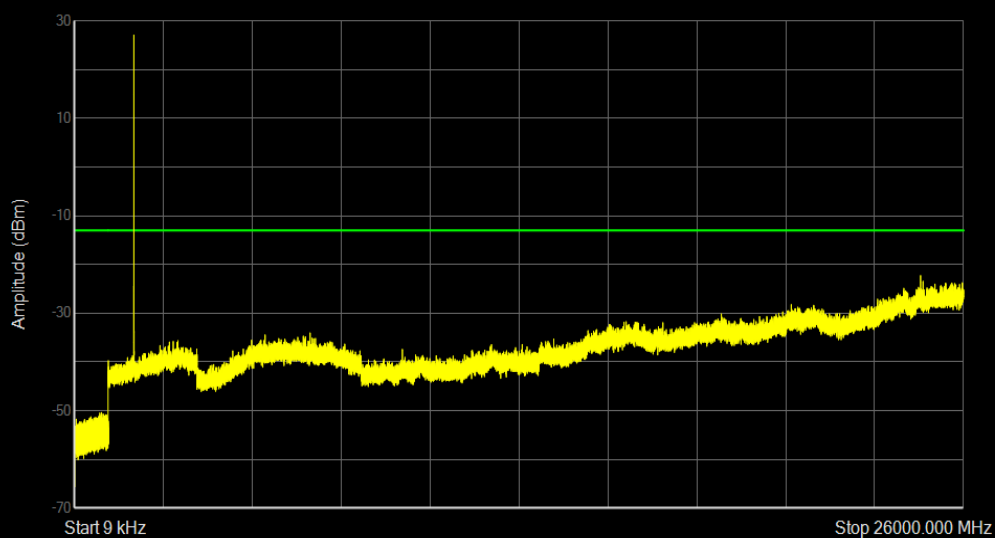
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



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

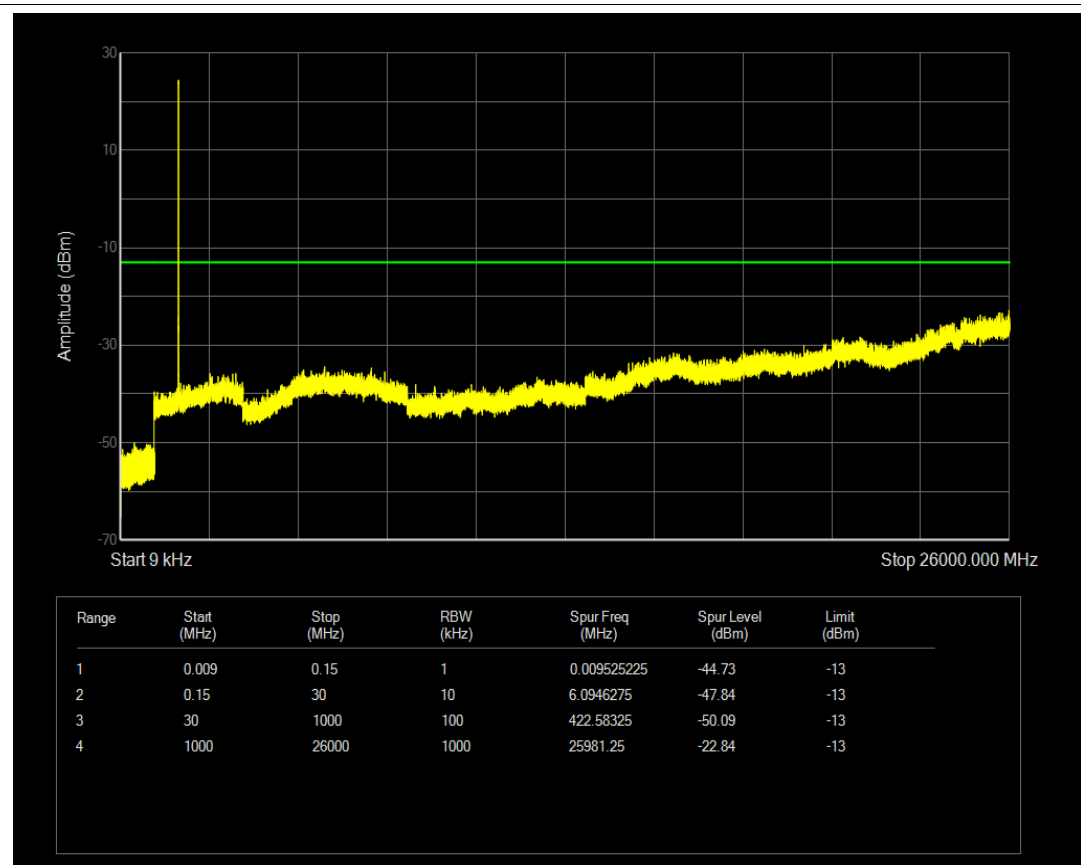


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

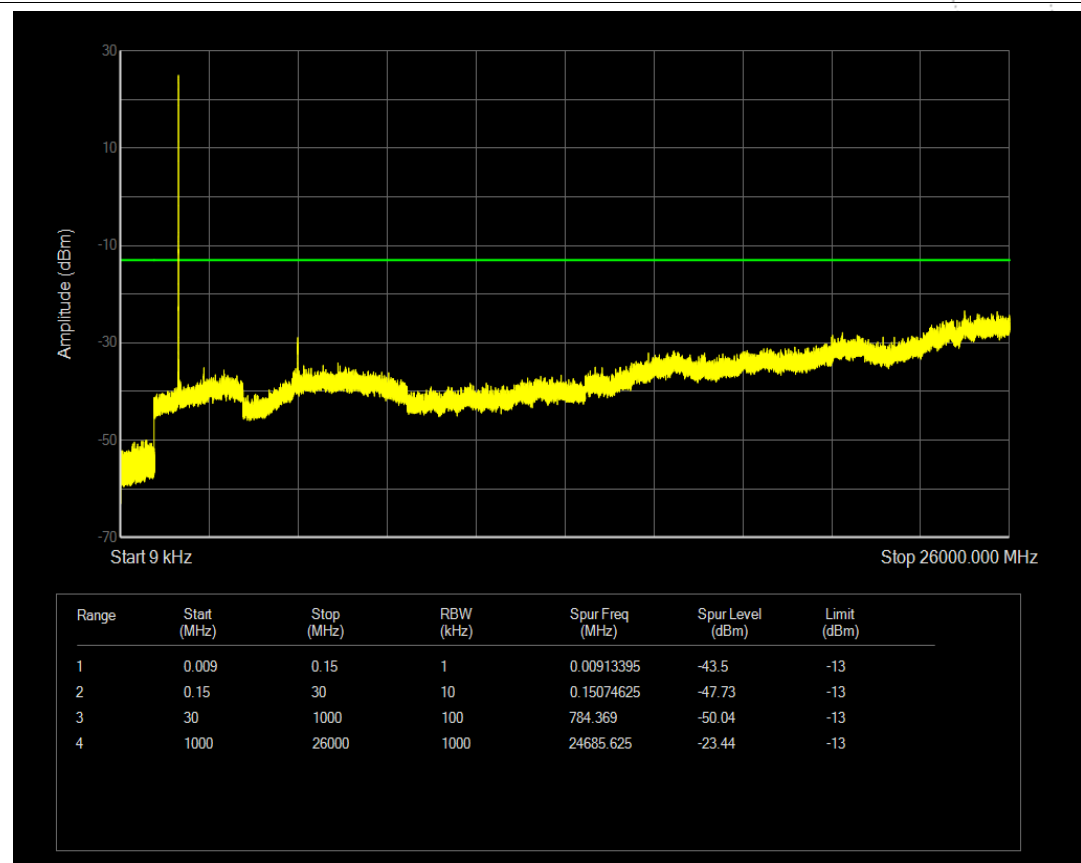


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00906345	-43.92	-13
2	0.15	30	10	0.15	-48.16	-13
3	30	1000	100	809.80725	-50.39	-13
4	1000	26000	1000	24743.75	-22.27	-13

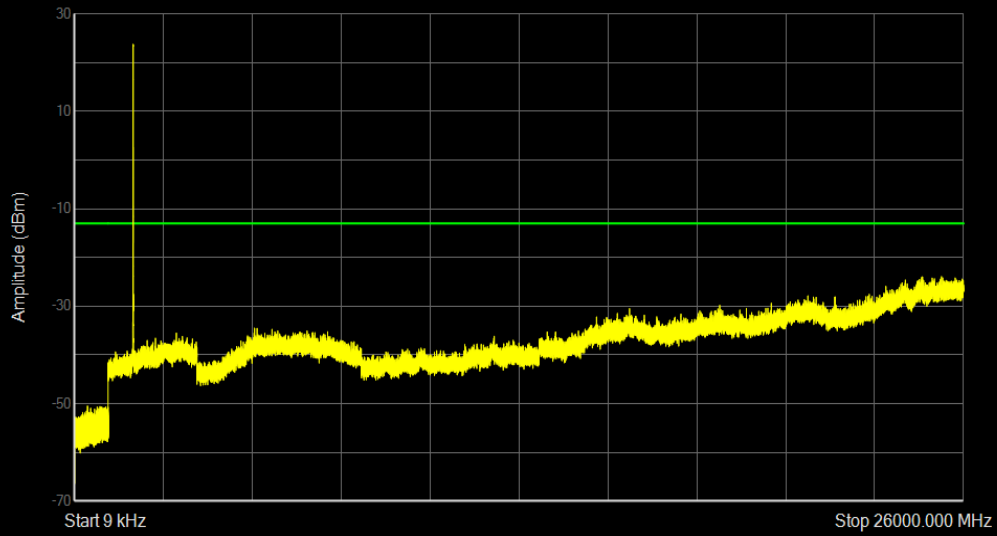
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

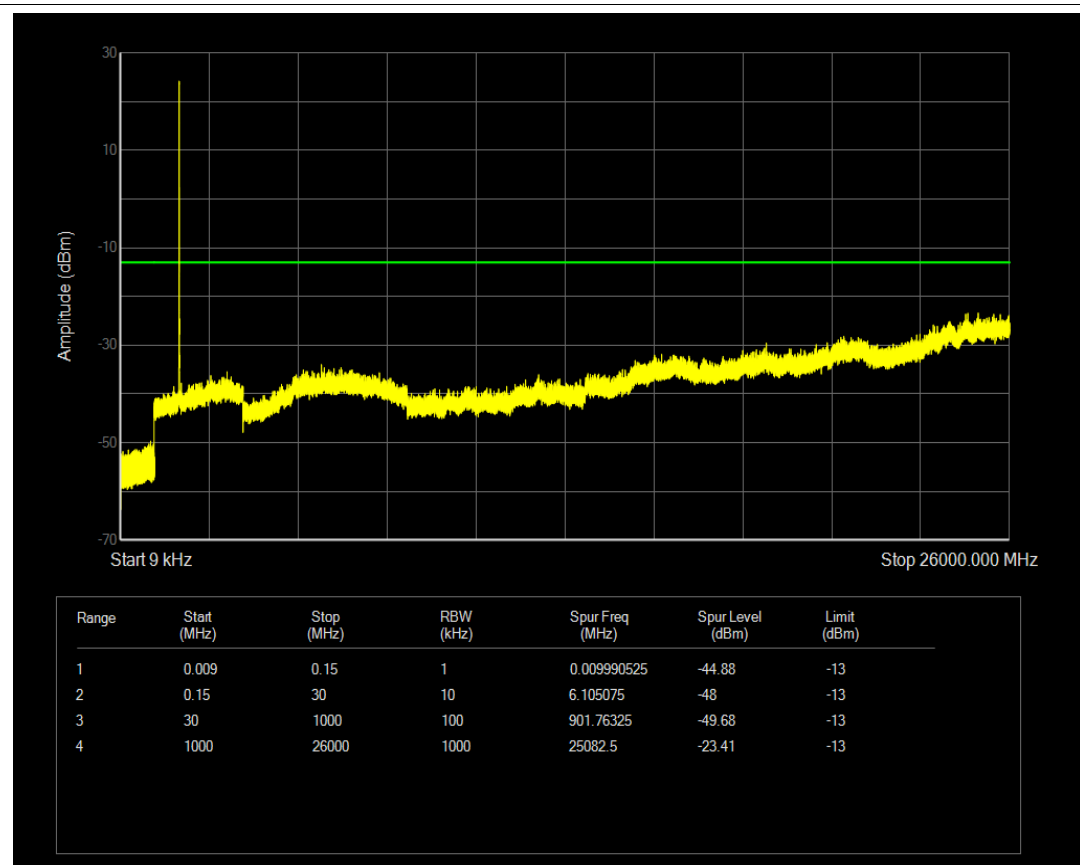


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

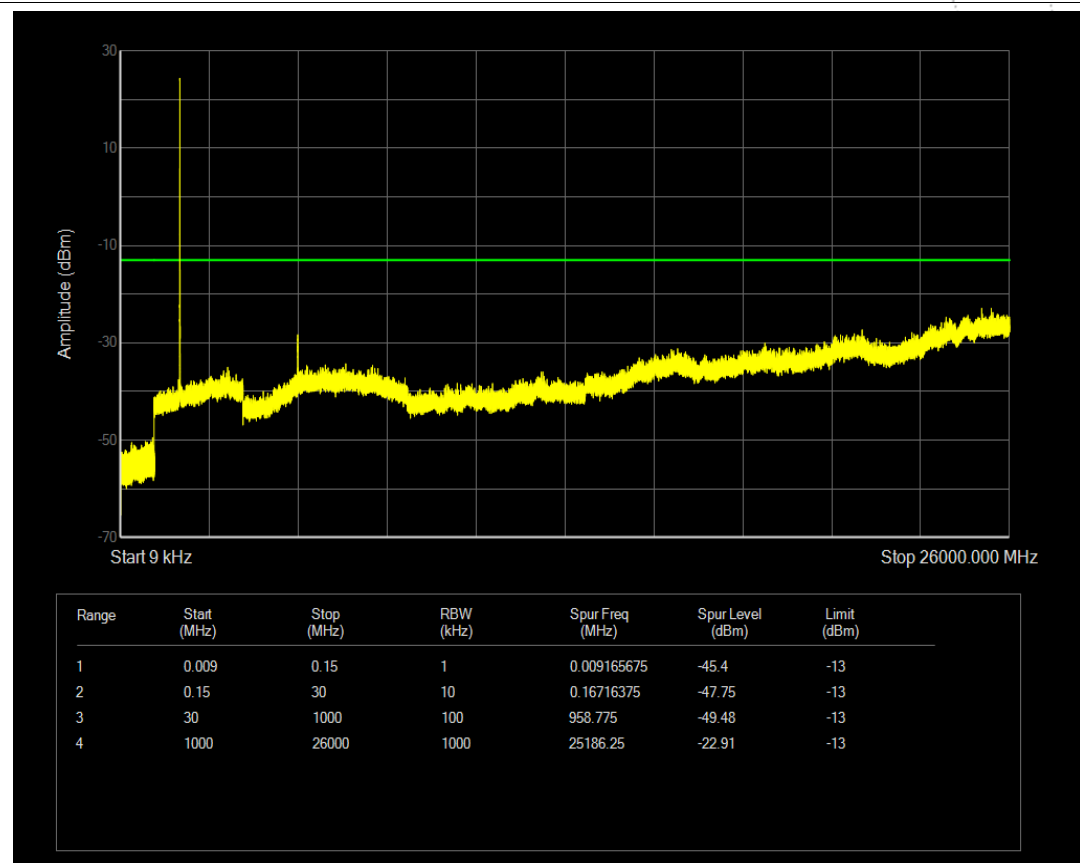


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009525225	-44.76	-13
2	0.15	30	10	0.17462625	-47.89	-13
3	30	1000	100	398.18775	-50.49	-13
4	1000	26000	1000	25355	-23.93	-13

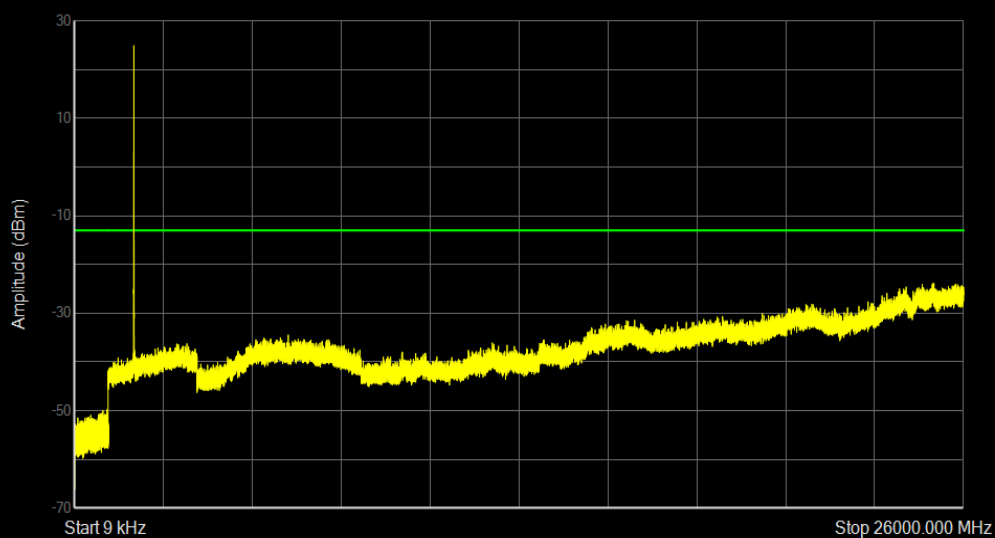
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



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

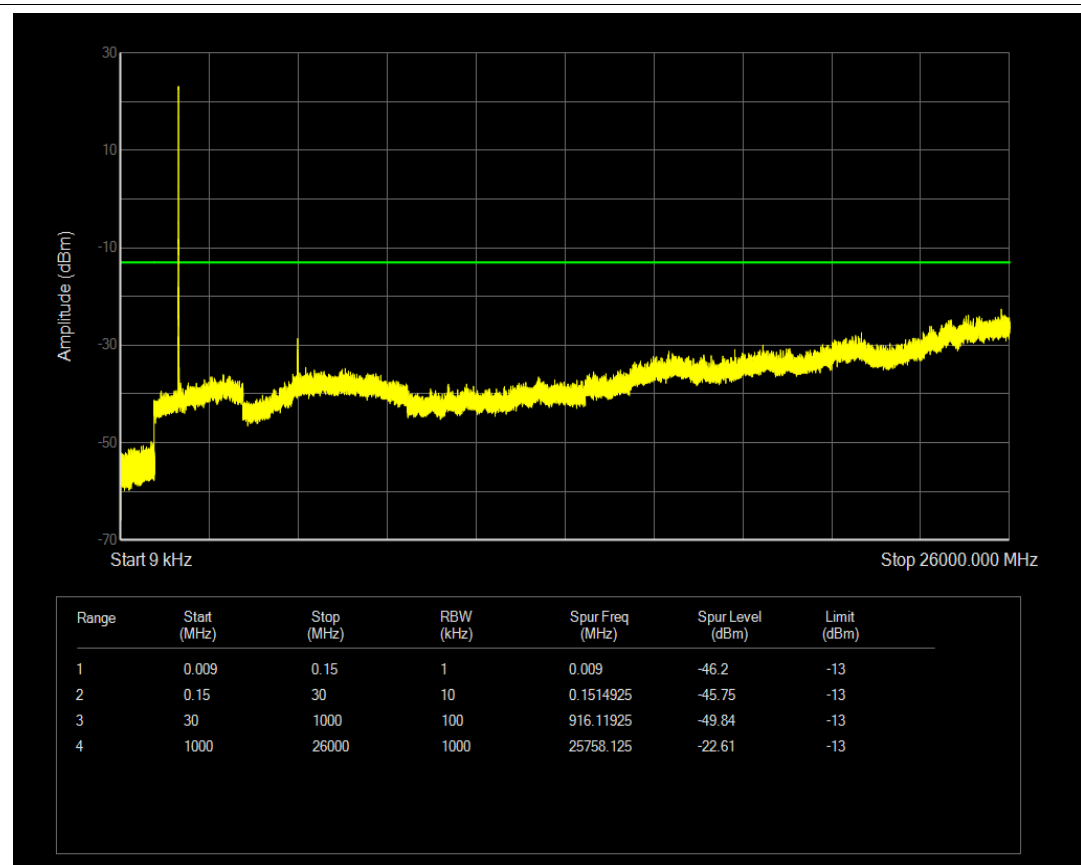


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

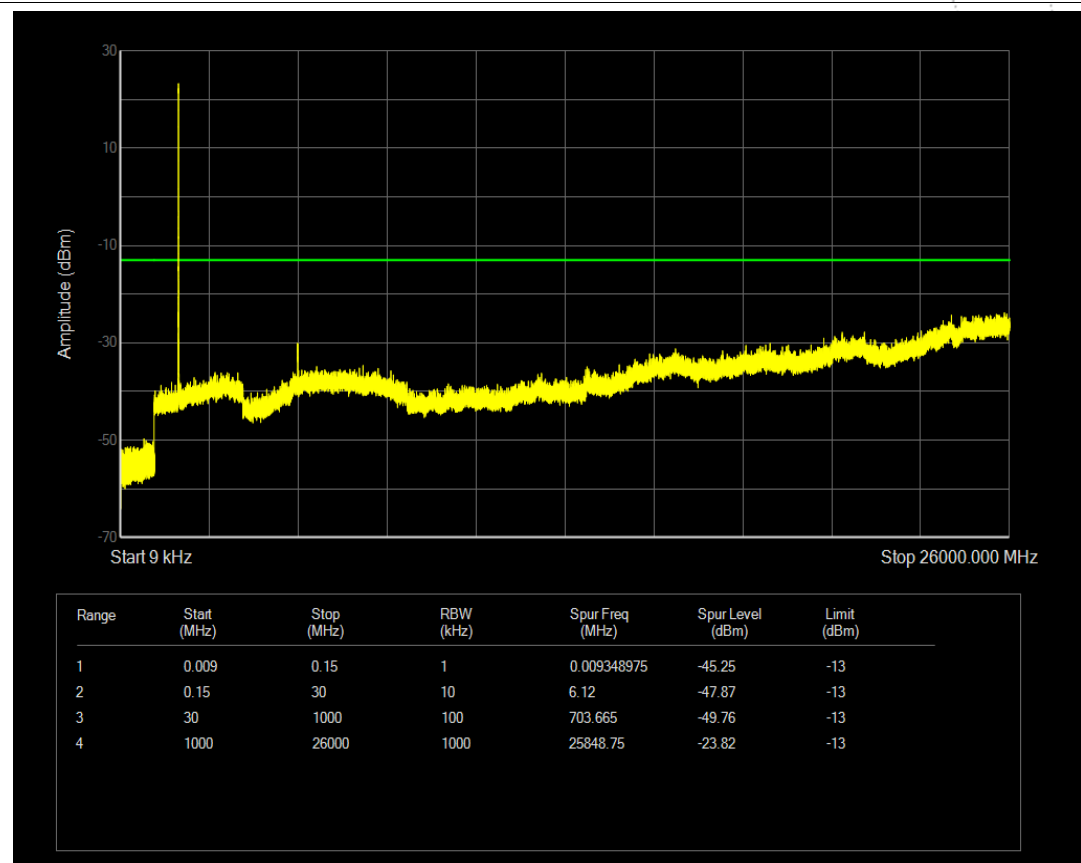


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.75	-13
2	0.15	30	10	6.0617925	-47.38	-13
3	30	1000	100	968.06275	-49.82	-13
4	1000	26000	1000	25133.75	-23.88	-13

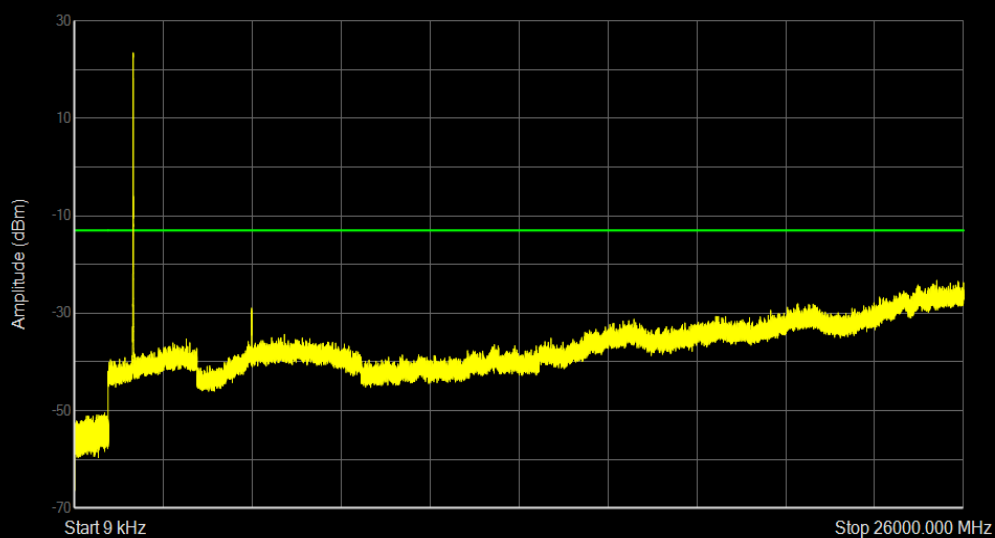
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



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

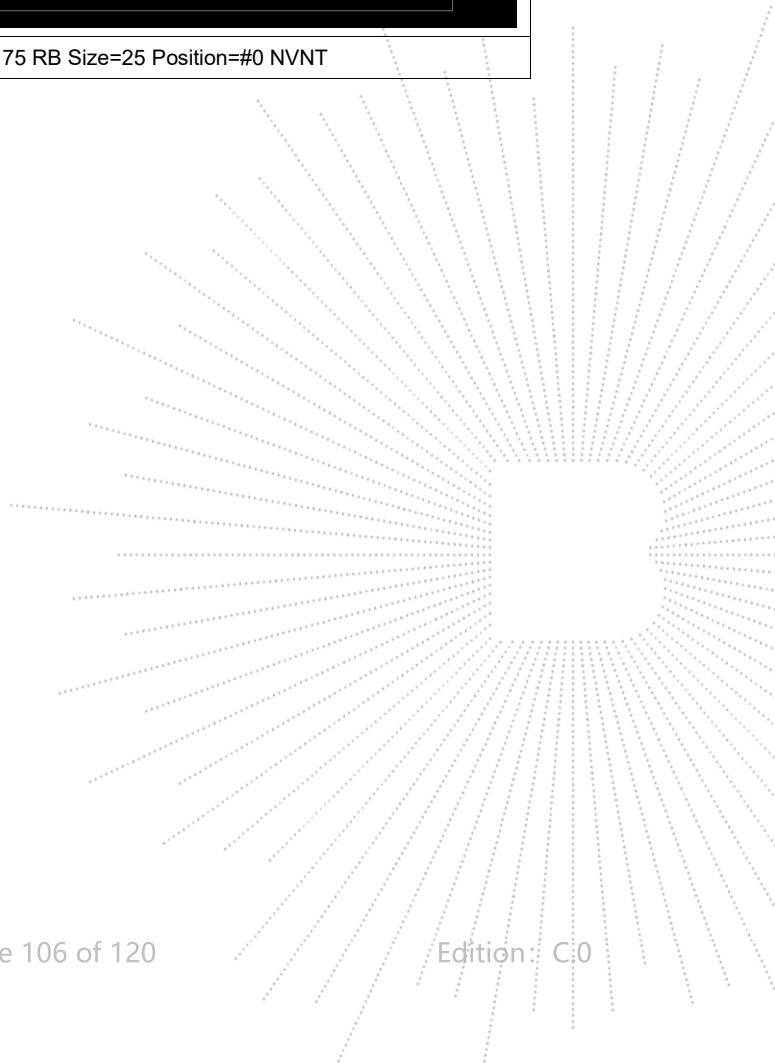


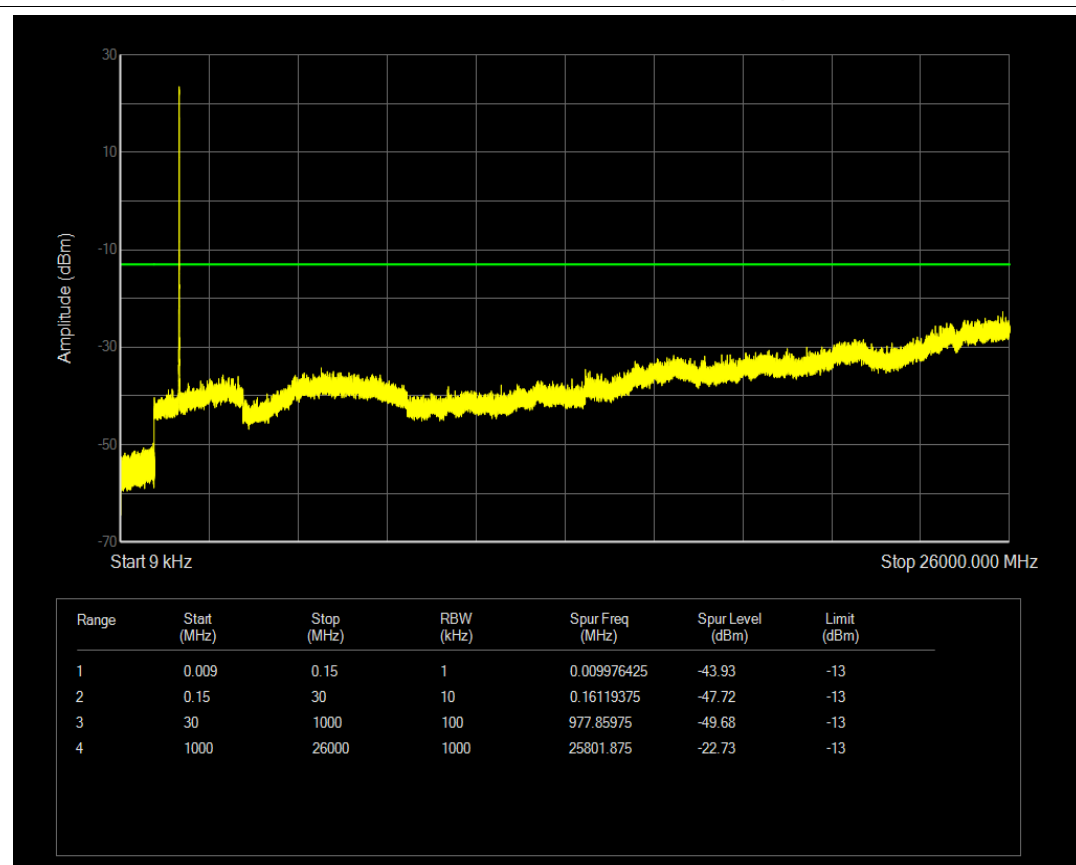
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



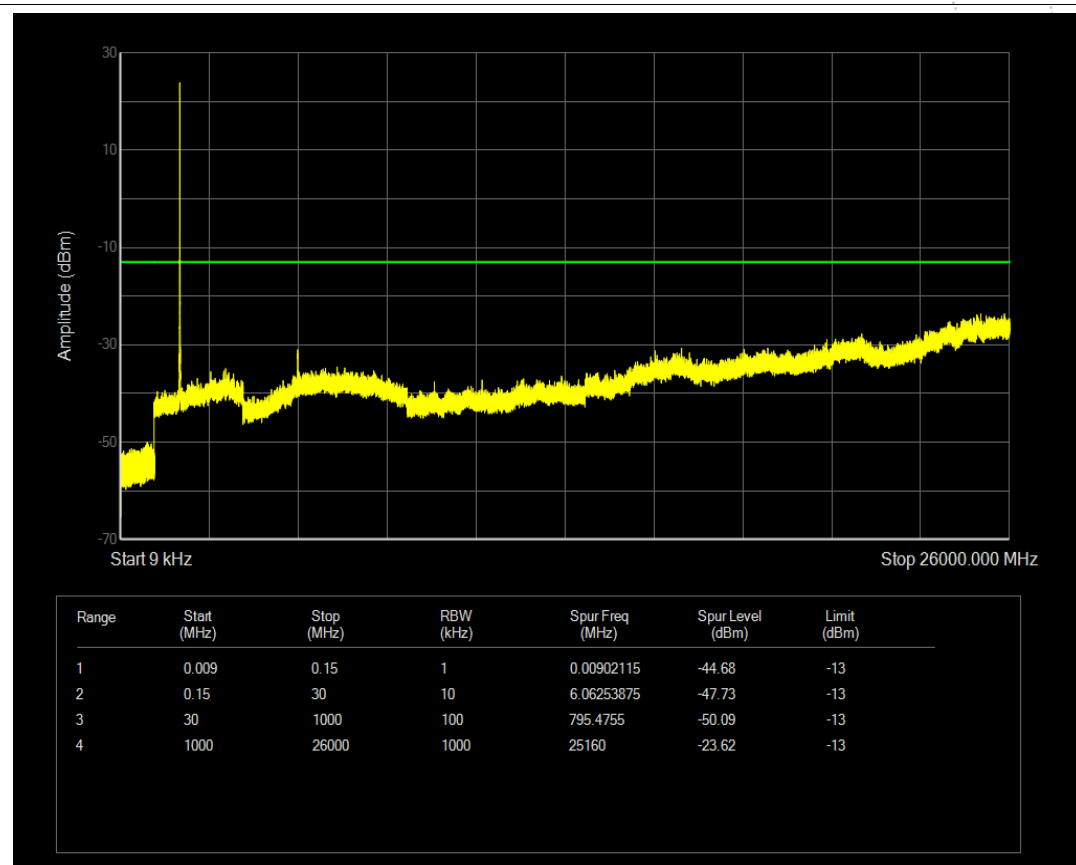
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009257325	-45.19	-13
2	0.15	30	10	6.12522375	-46.88	-13
3	30	1000	100	901.52075	-50.45	-13
4	1000	26000	1000	25217.5	-23.28	-13

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

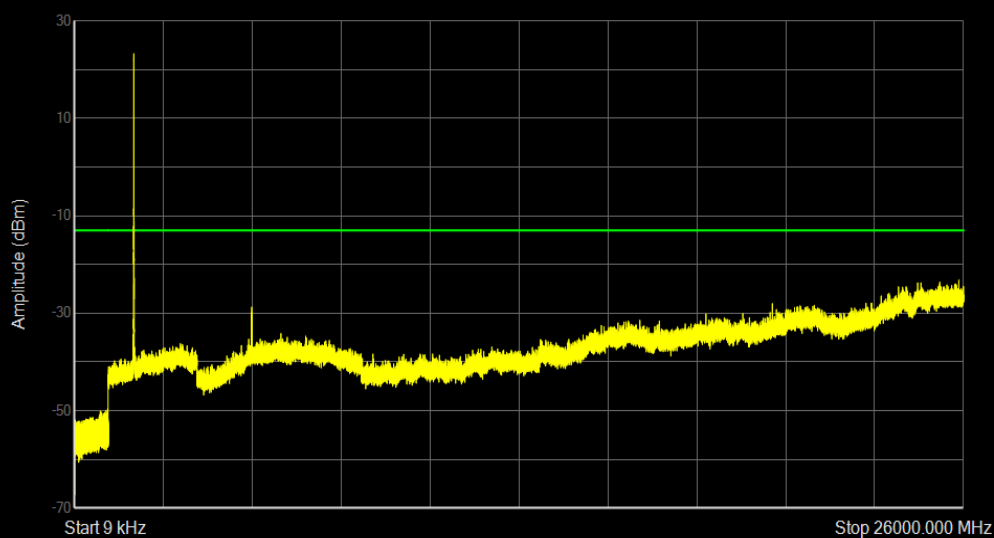




Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

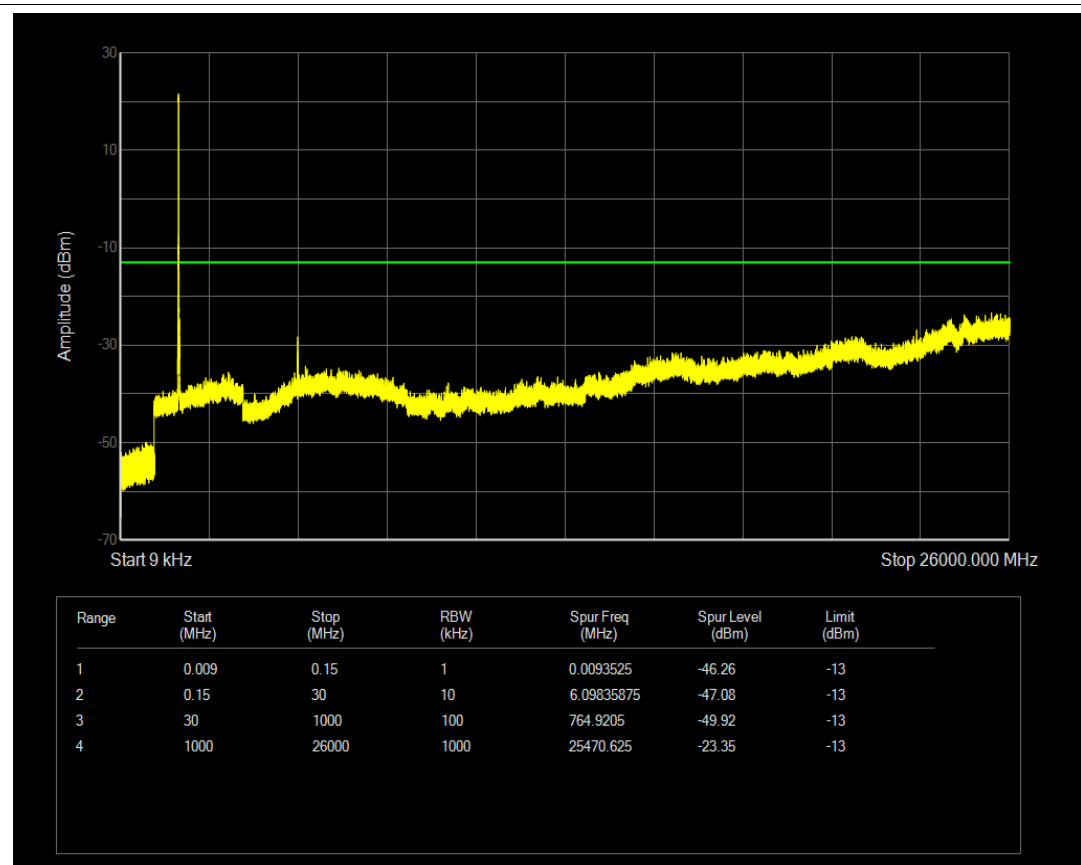


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

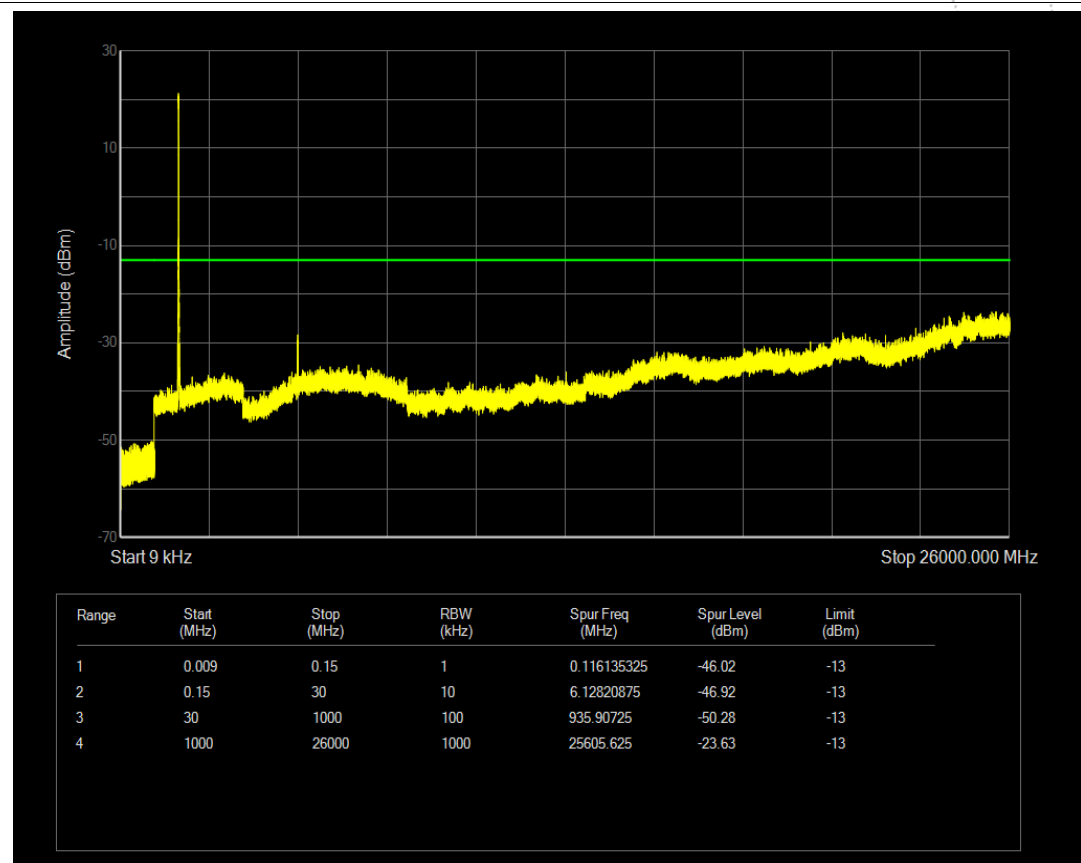


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11682975	-46.1	-13
2	0.15	30	10	6.09985125	-47.82	-13
3	30	1000	100	992.02175	-49.56	-13
4	1000	26000	1000	25861.875	-23.2	-13

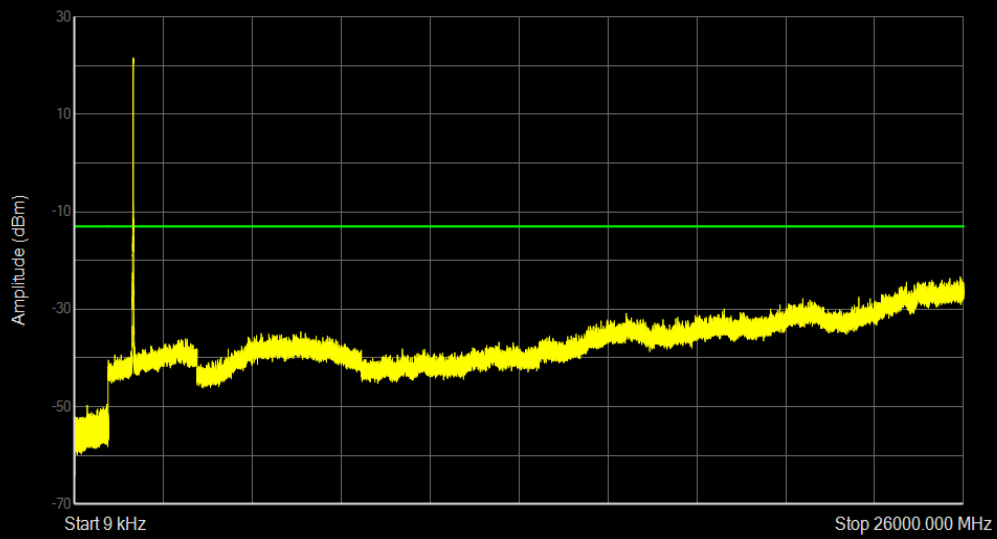
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



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

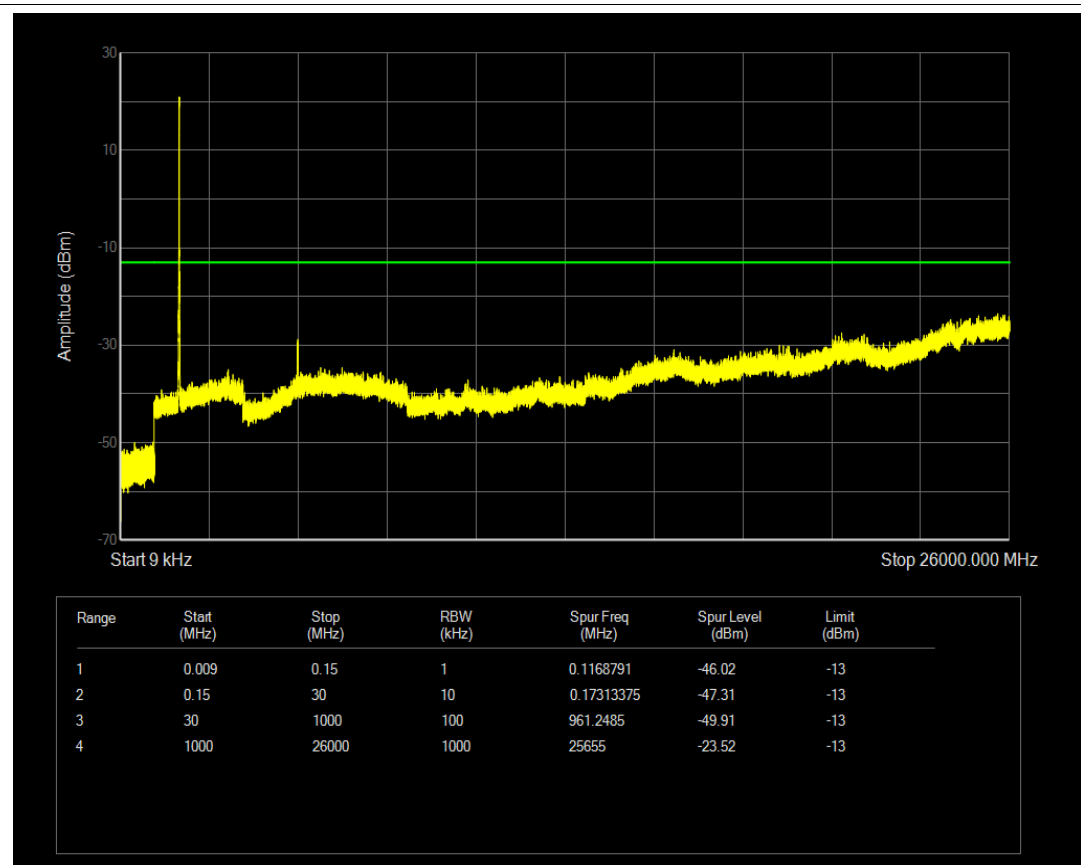


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

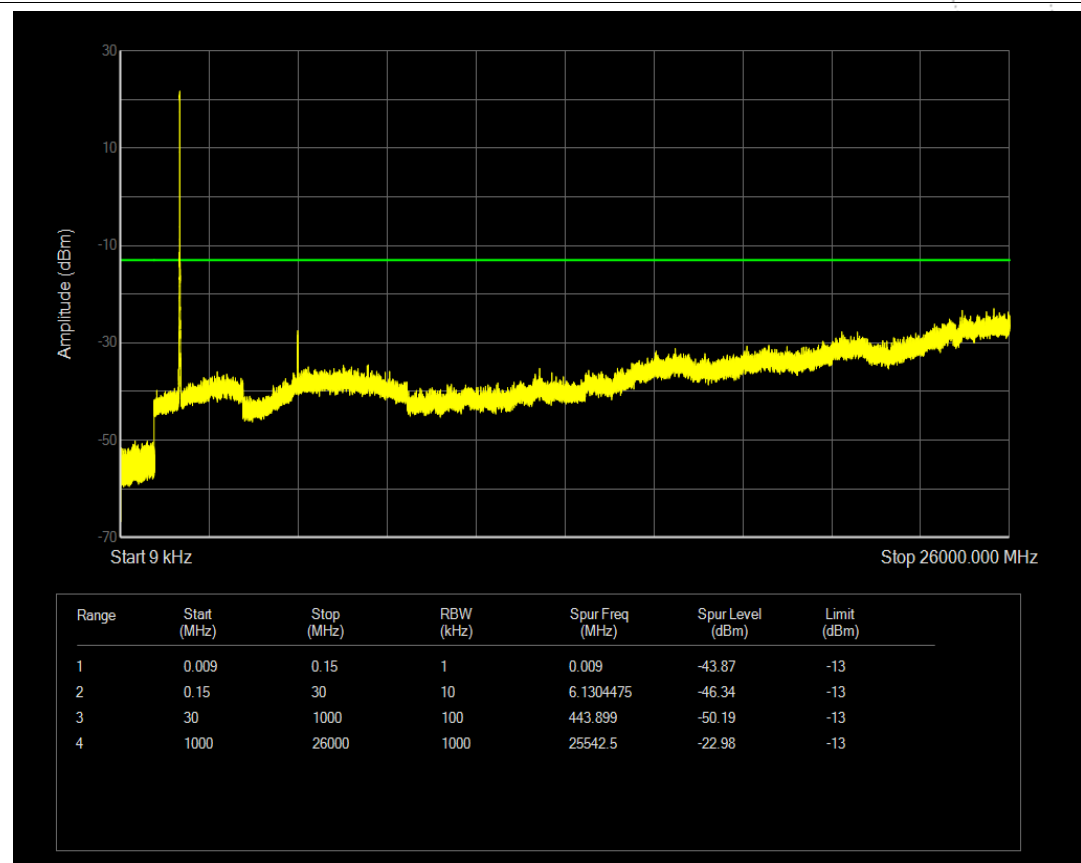


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.43	-13
2	0.15	30	10	6.105075	-47.63	-13
3	30	1000	100	971.99125	-49.49	-13
4	1000	26000	1000	25904.375	-23.35	-13

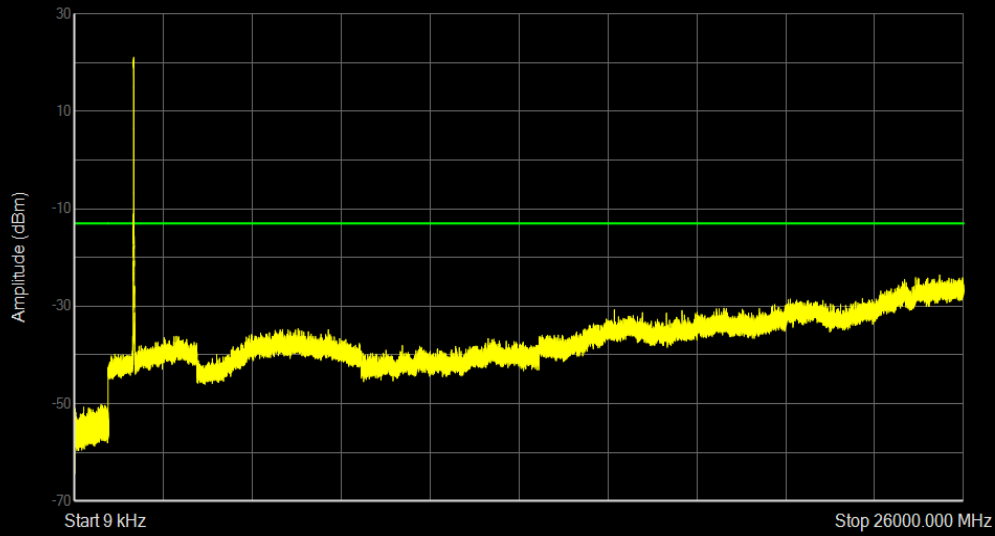
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



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

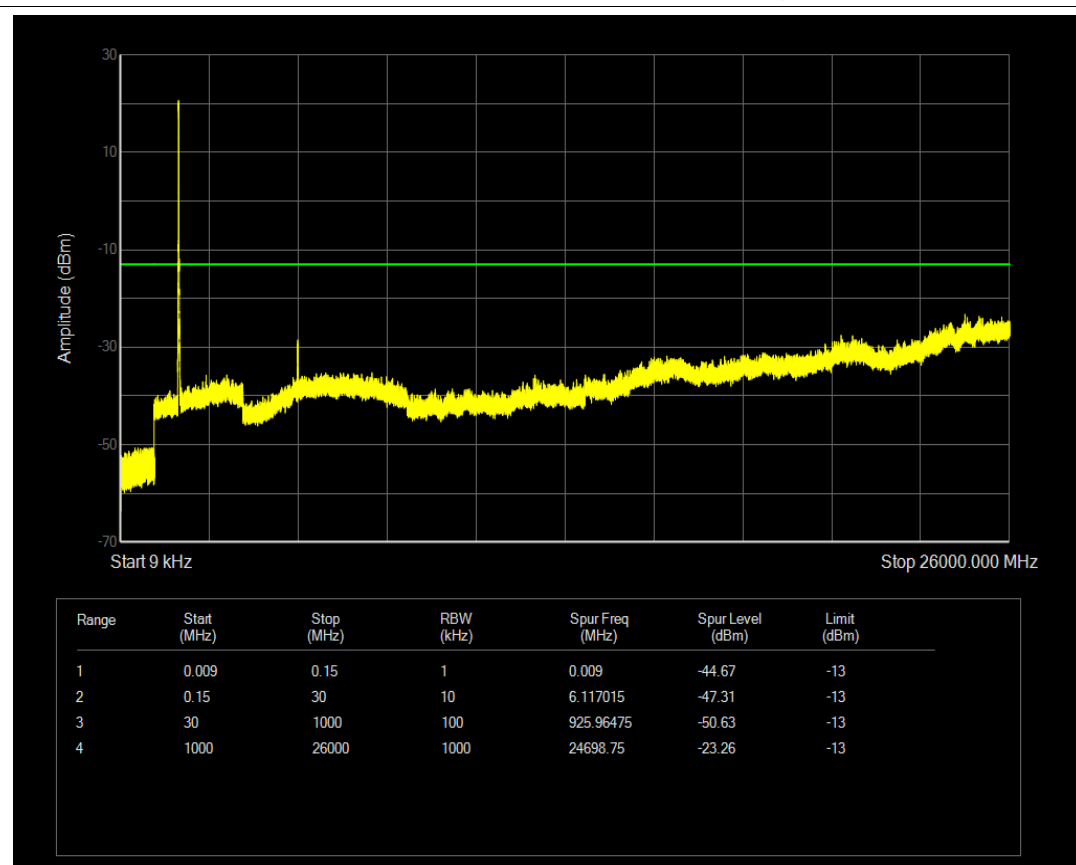


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

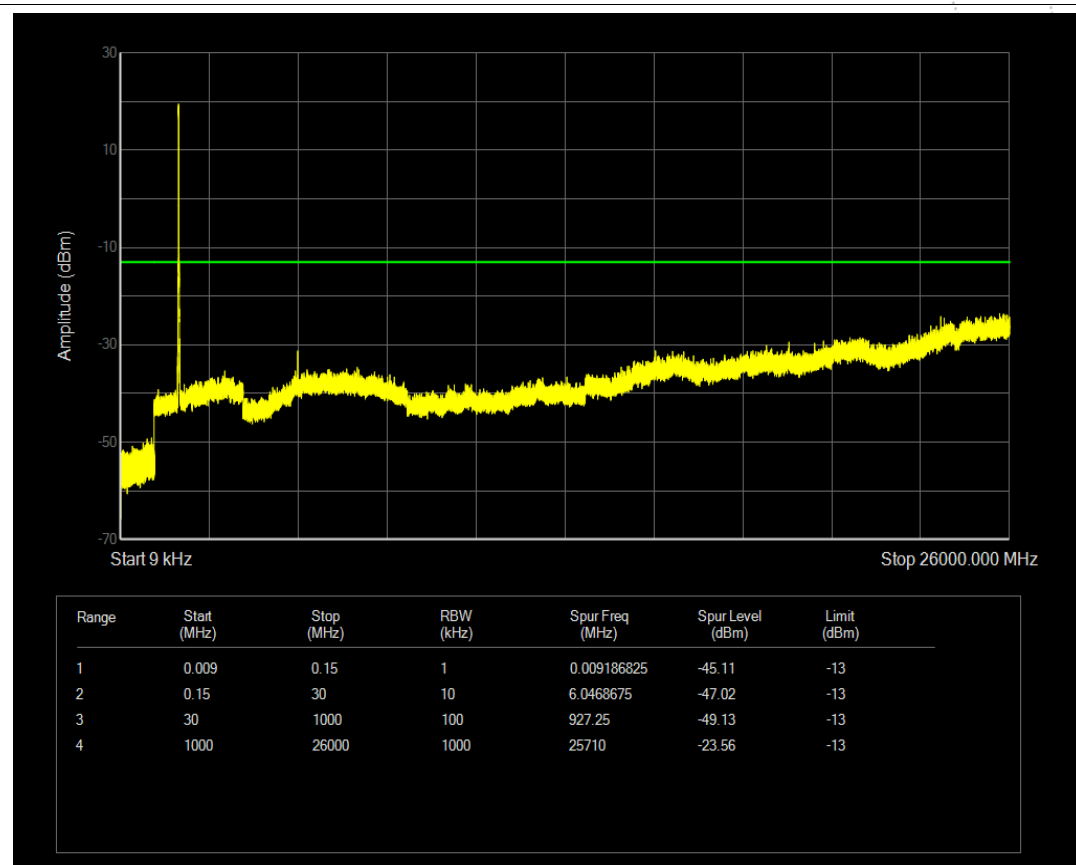


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00924675	-45.05	-13
2	0.15	30	10	6.11925375	-46.82	-13
3	30	1000	100	796.5425	-50.2	-13
4	1000	26000	1000	25300.625	-23.6	-13

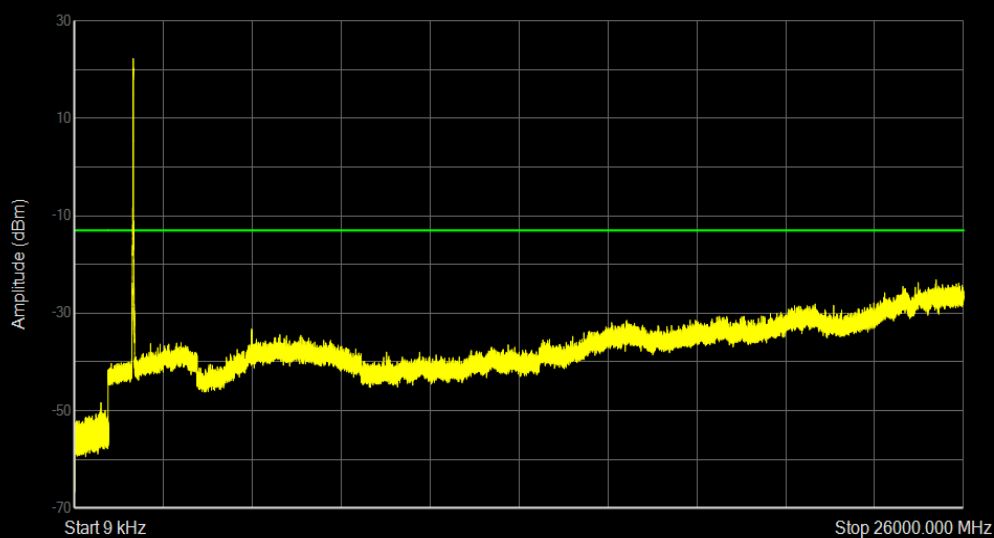
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



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

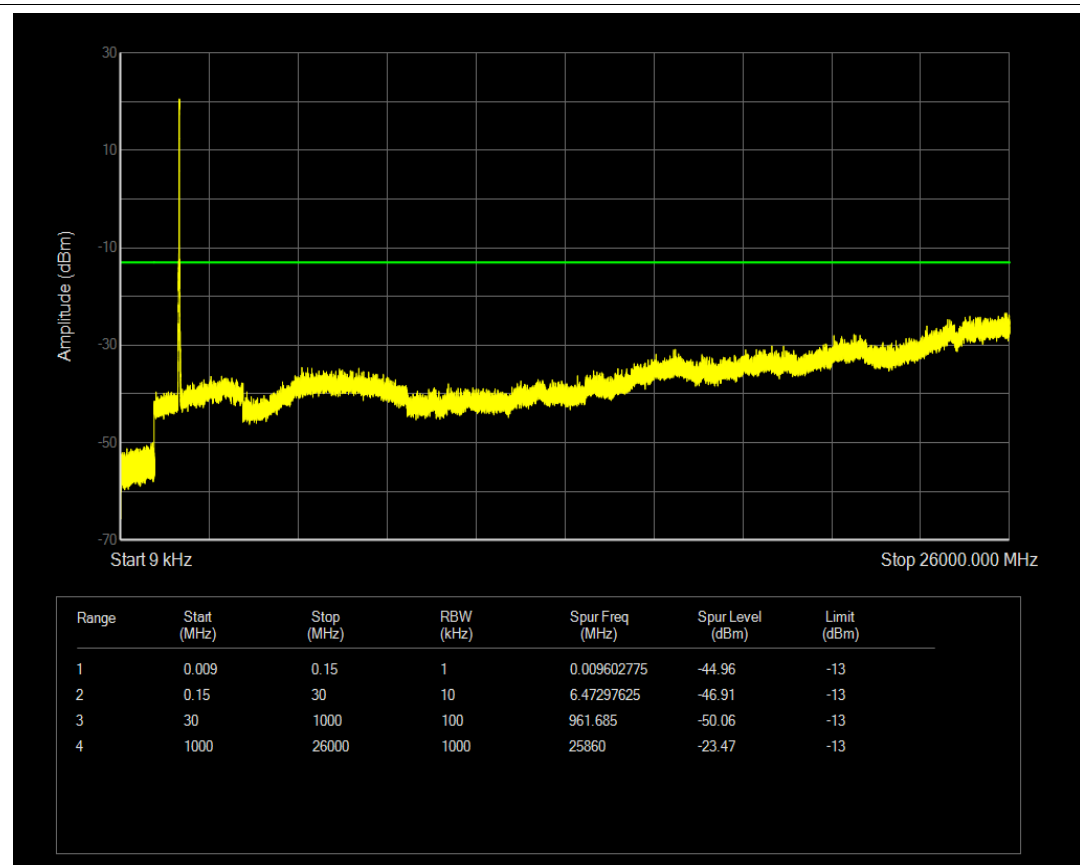


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

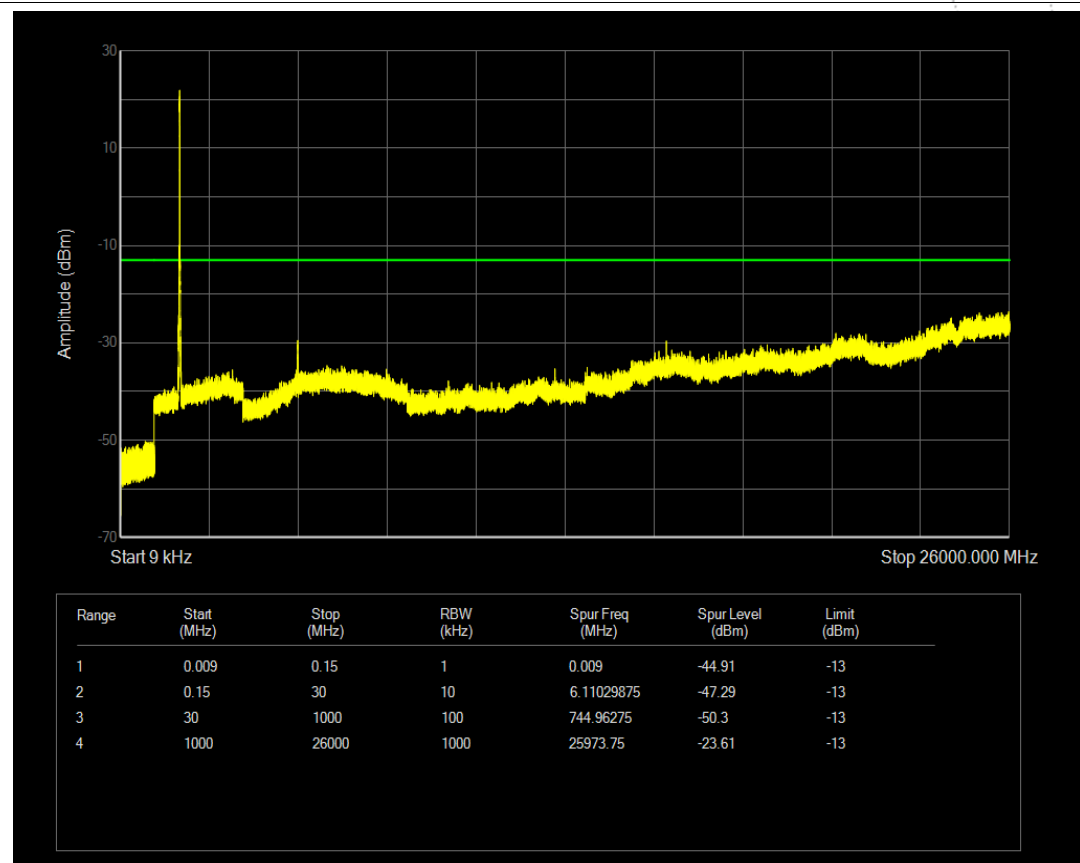


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00966975	-44.3	-13
2	0.15	30	10	6.4737225	-46.47	-13
3	30	1000	100	793.17175	-48.36	-13
4	1000	26000	1000	25198.125	-23.13	-13

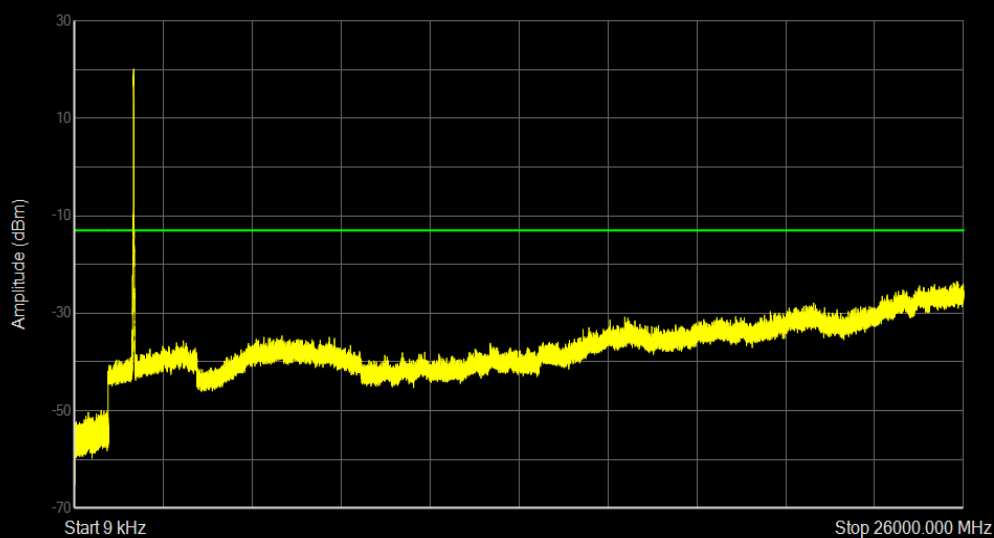
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



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

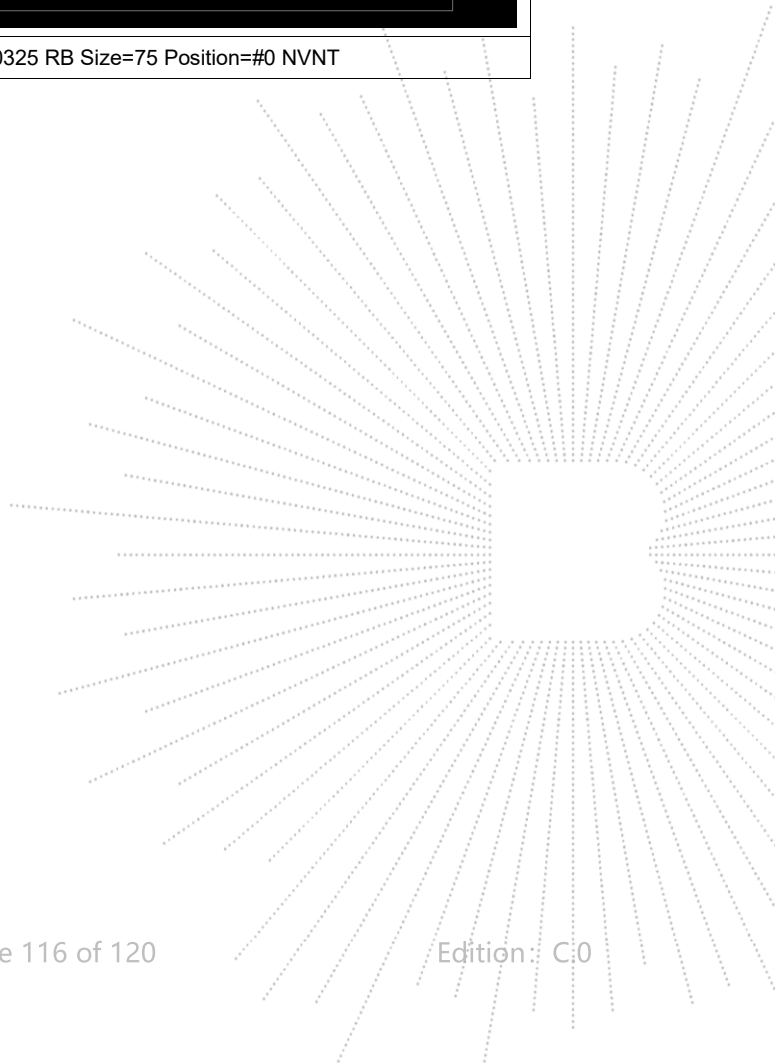


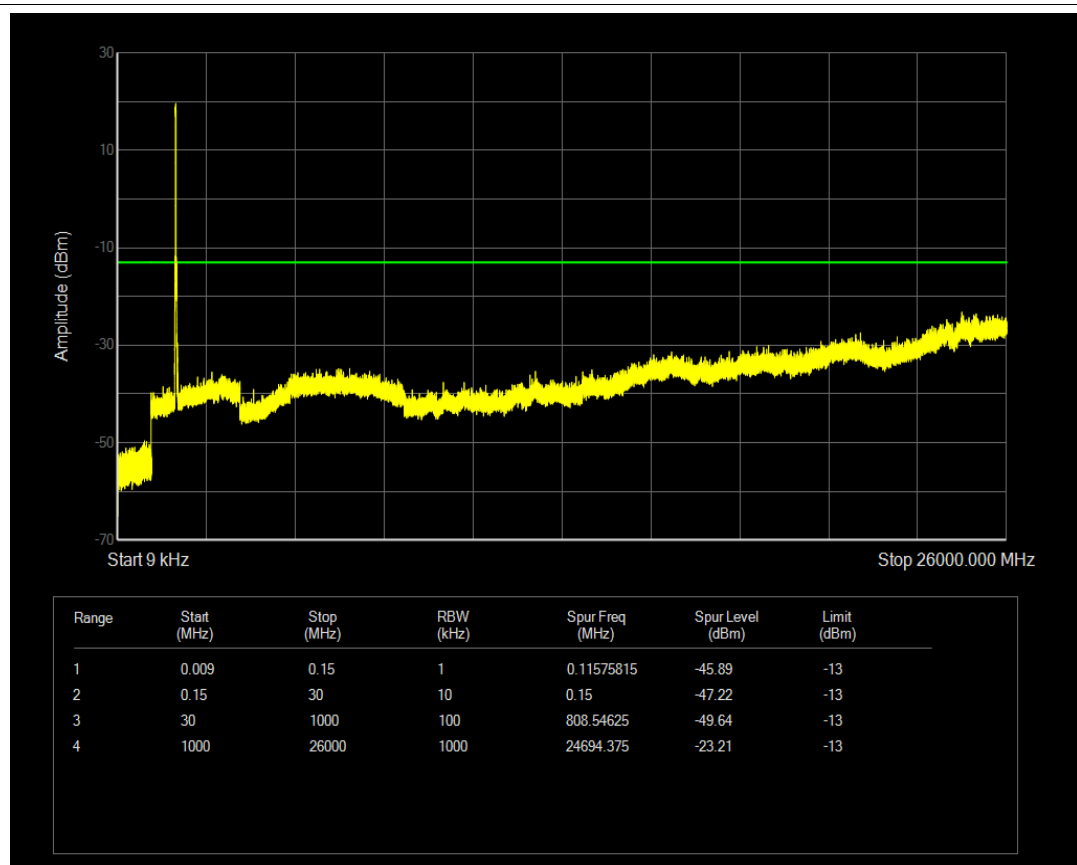
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



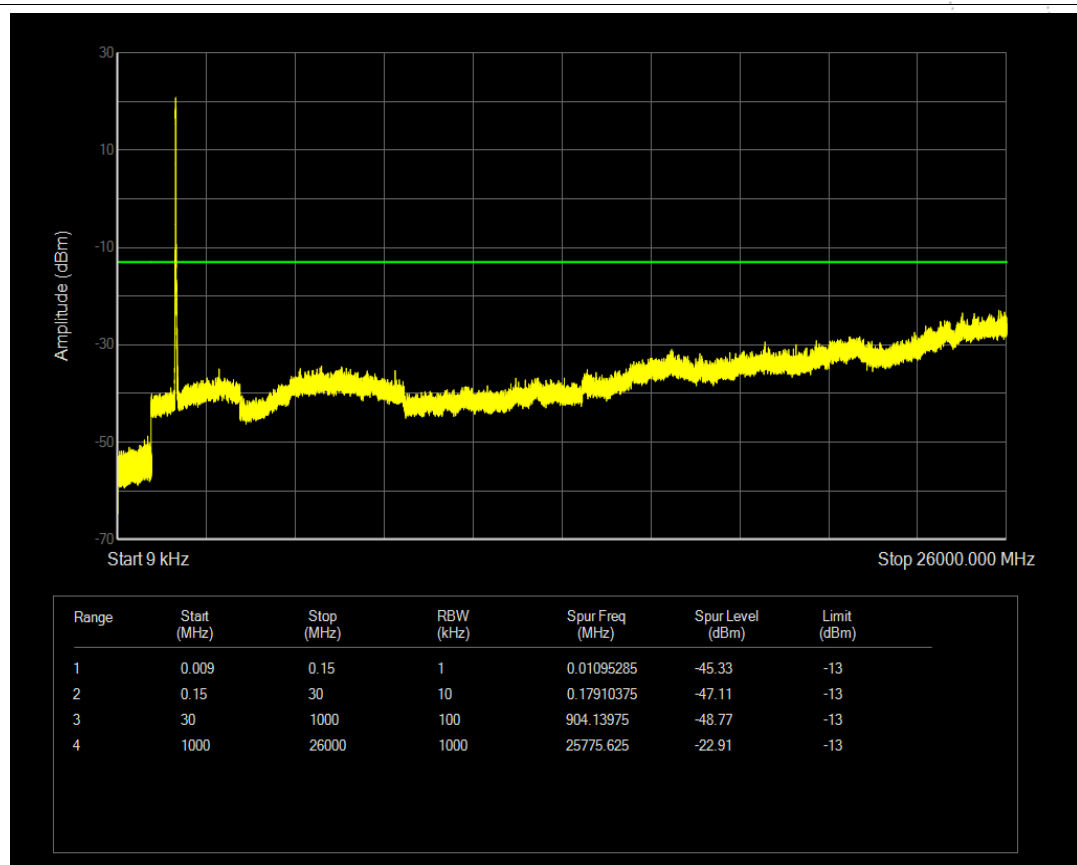
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010843575	-45.65	-13
2	0.15	30	10	6.0677625	-46.66	-13
3	30	1000	100	795.3785	-50.04	-13
4	1000	26000	1000	25798.125	-23.49	-13

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

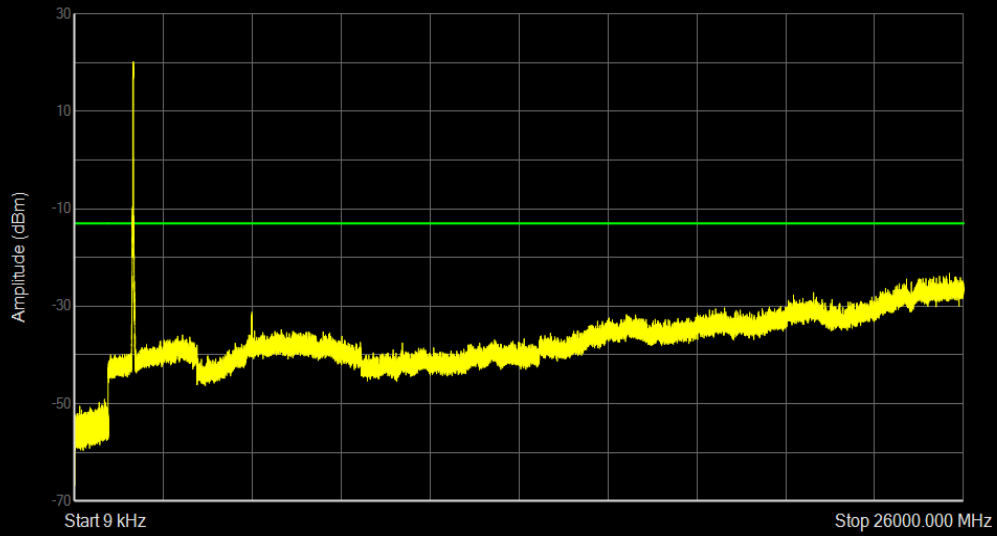




Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

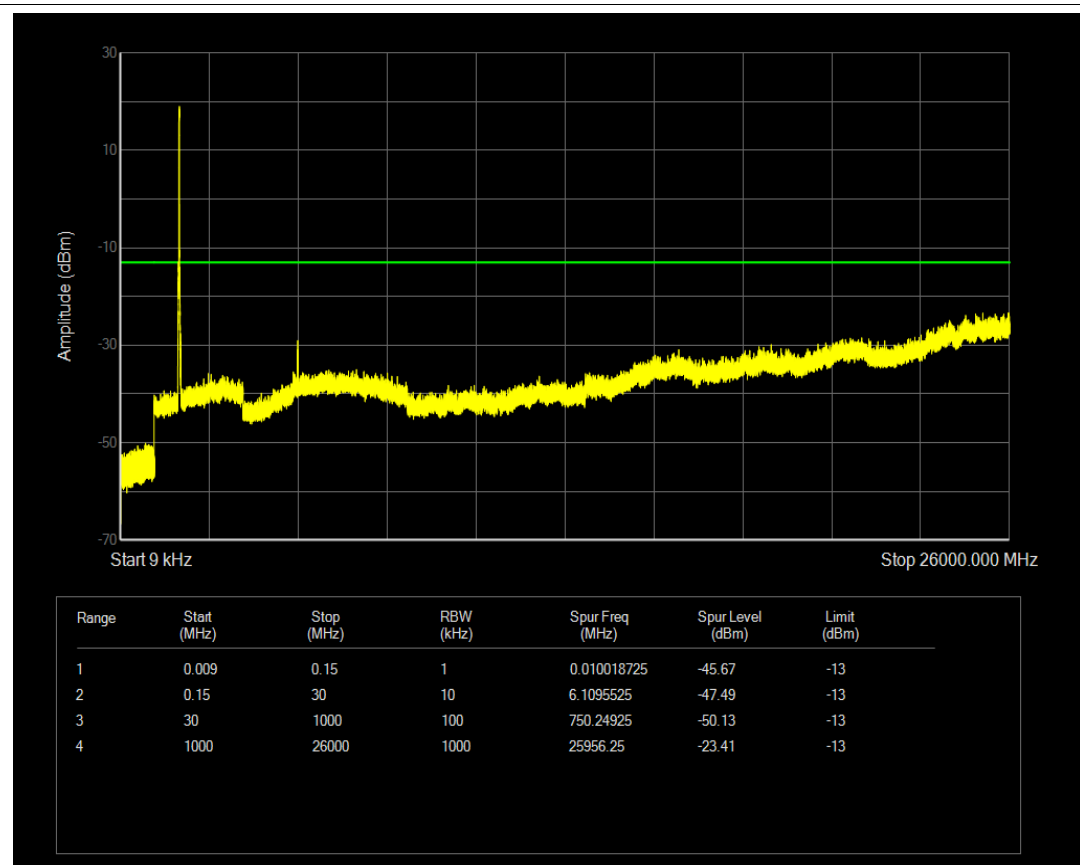


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

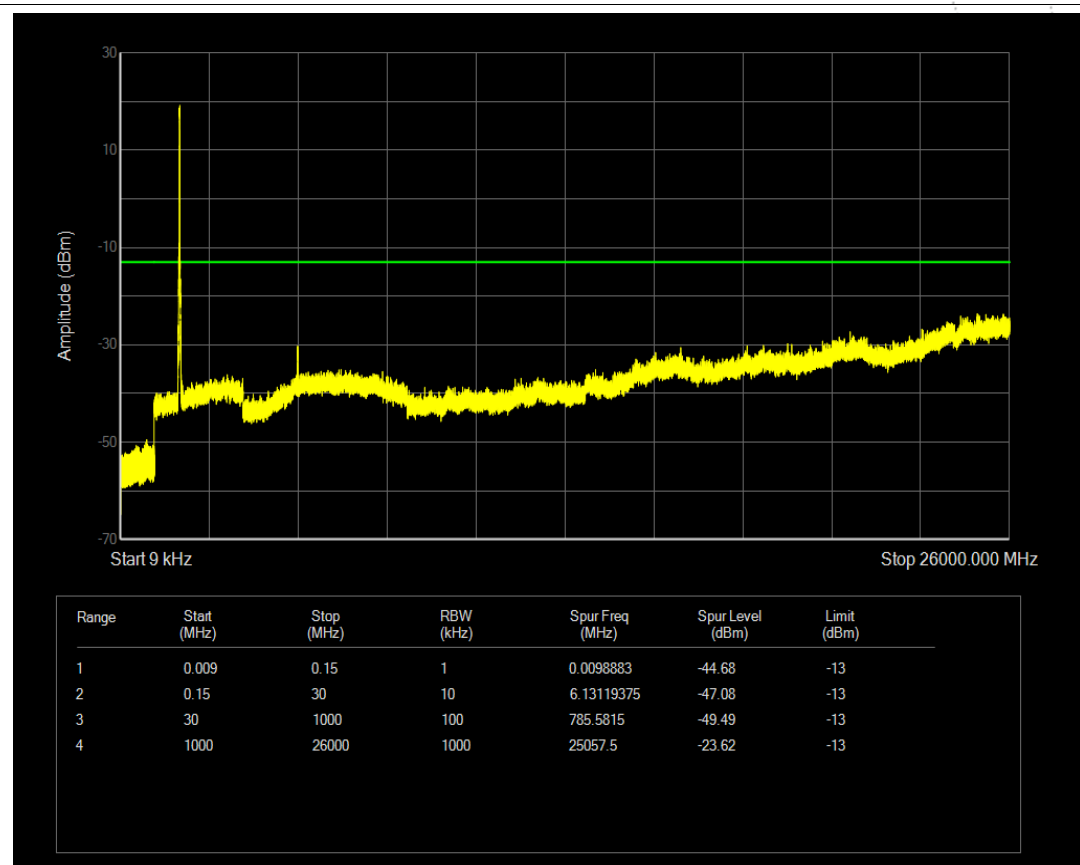


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010152675	-46.11	-13
2	0.15	30	10	6.12597	-46.97	-13
3	30	1000	100	894.852	-49.14	-13
4	1000	26000	1000	25588.125	-23.25	-13

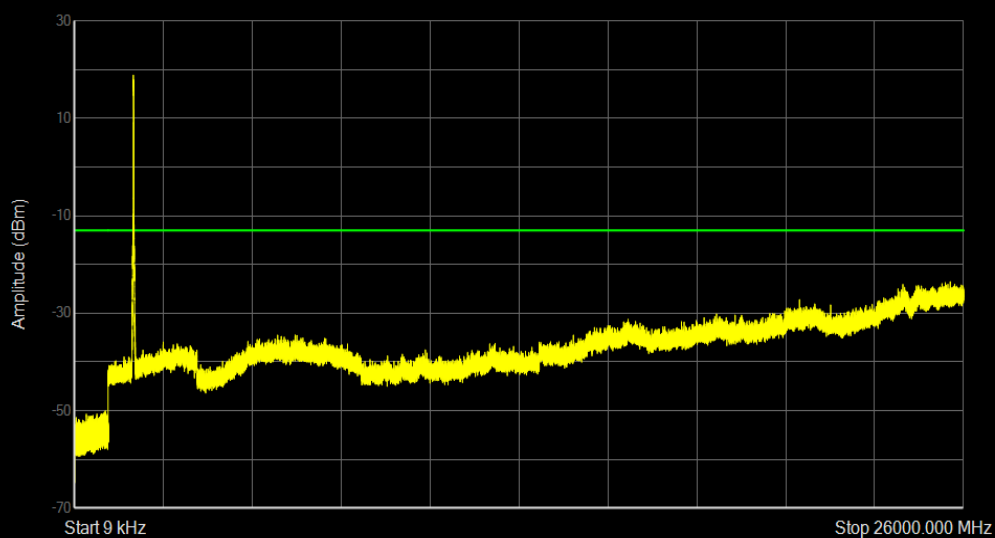
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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	0.00909165	-44.7	-13
2	0.15	30	10	6.11179125	-47.04	-13
3	30	1000	100	921.236	-50.03	-13
4	1000	26000	1000	25612.5	-23.53	-13

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

