

Appendix for Band 4

Report No.: BCTC2504054763-6E

Applicant: Shenzhen Huafurui Technology Co., Ltd.

Product Name: Smartphone

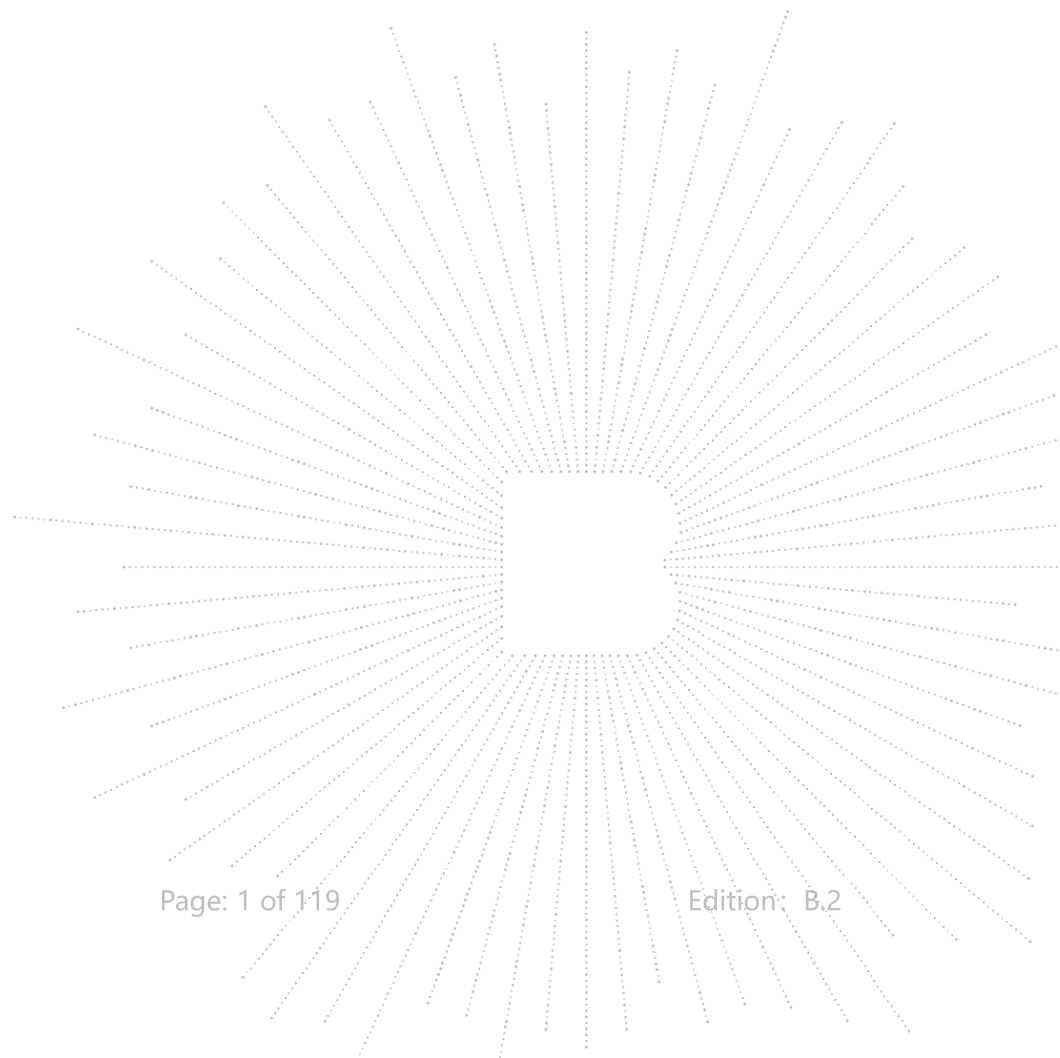
Test Model: KINGKONG ES 3

Tested Date: 2025-04-09 to 2025-05-26

Shenzhen BCTC Testing Co., Ltd.

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

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	23.73	-0.04	23.69	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	23.70	-0.04	23.66	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	23.73	-0.04	23.69	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	23.49	-0.04	23.45	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	23.53	-0.04	23.49	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	23.57	-0.04	23.53	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	22.65	-0.04	22.61	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	24.09	-0.04	24.05	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	24.10	-0.04	24.06	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	24.17	-0.04	24.13	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	22.86	-0.04	22.82	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	22.91	-0.04	22.87	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	22.84	-0.04	22.80	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	21.93	-0.04	21.89	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	23.97	-0.04	23.93	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	24.00	-0.04	23.96	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	23.95	-0.04	23.91	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	23.97	-0.04	23.93	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	24.01	-0.04	23.97	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	23.93	-0.04	23.89	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	22.92	-0.04	22.88	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	23.53	-0.04	23.49	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	23.56	-0.04	23.52	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	23.60	-0.04	23.56	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	22.92	-0.04	22.88	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	22.92	-0.04	22.88	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	22.96	-0.04	22.92	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	22.17	-0.04	22.13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	23.95	-0.04	23.91	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	23.96	-0.04	23.92	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	23.93	-0.04	23.89	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	23.70	-0.04	23.66	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	23.74	-0.04	23.70	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	23.69	-0.04	23.65	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	22.78	-0.04	22.74	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	22.97	-0.04	22.93	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	22.88	-0.04	22.84	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	22.97	-0.04	22.93	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	22.77	-0.04	22.73	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	22.70	-0.04	22.66	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	22.77	-0.04	22.73	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	21.89	-0.04	21.85	PASS
NVNT	Band4	3	19965	1	#0	QPSK	23.53	-0.04	23.49	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	23.55	-0.04	23.51	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	23.45	-0.04	23.41	PASS
NVNT	Band4	3	19965	8	#0	QPSK	22.64	-0.04	22.60	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	22.57	-0.04	22.53	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	22.54	-0.04	22.50	PASS
NVNT	Band4	3	19965	15	#0	QPSK	22.64	-0.04	22.60	PASS
NVNT	Band4	3	19965	1	#0	16QAM	24.31	-0.04	24.27	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	24.20	-0.04	24.16	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	24.23	-0.04	24.19	PASS
NVNT	Band4	3	19965	8	#0	16QAM	21.59	-0.04	21.55	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	21.63	-0.04	21.59	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	21.60	-0.04	21.56	PASS
NVNT	Band4	3	19965	15	#0	16QAM	21.83	-0.04	21.79	PASS
NVNT	Band4	3	20175	1	#0	QPSK	23.91	-0.04	23.87	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	23.93	-0.04	23.89	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	23.91	-0.04	23.87	PASS
NVNT	Band4	3	20175	8	#0	QPSK	22.95	-0.04	22.91	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	22.88	-0.04	22.84	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	22.81	-0.04	22.77	PASS
NVNT	Band4	3	20175	15	#0	QPSK	22.96	-0.04	22.92	PASS
NVNT	Band4	3	20175	1	#0	16QAM	23.55	-0.04	23.51	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	23.48	-0.04	23.44	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	23.49	-0.04	23.45	PASS
NVNT	Band4	3	20175	8	#0	16QAM	22.17	-0.04	22.13	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	22.08	-0.04	22.04	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	22.10	-0.04	22.06	PASS
NVNT	Band4	3	20175	15	#0	16QAM	22.01	-0.04	21.97	PASS
NVNT	Band4	3	20385	1	#0	QPSK	23.91	-0.04	23.87	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	23.87	-0.04	23.83	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	23.95	-0.04	23.91	PASS
NVNT	Band4	3	20385	8	#0	QPSK	22.75	-0.04	22.71	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	22.80	-0.04	22.76	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	22.76	-0.04	22.72	PASS
NVNT	Band4	3	20385	15	#0	QPSK	22.78	-0.04	22.74	PASS

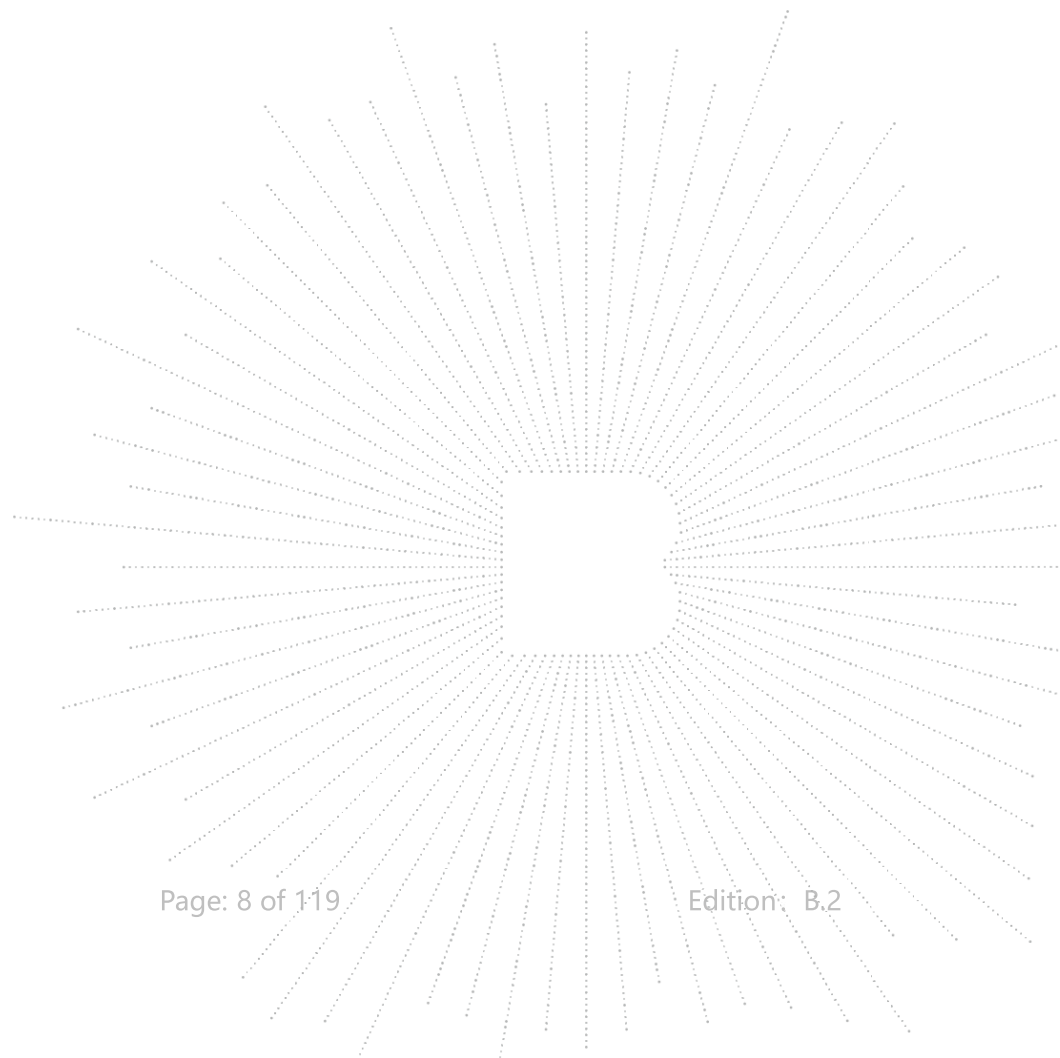
NVNT	Band4	3	20385	1	#0	16QAM	22.95	-0.04	22.91	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	22.88	-0.04	22.84	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	22.99	-0.04	22.95	PASS
NVNT	Band4	3	20385	8	#0	16QAM	21.97	-0.04	21.93	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	21.96	-0.04	21.92	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	21.93	-0.04	21.89	PASS
NVNT	Band4	3	20385	15	#0	16QAM	21.76	-0.04	21.72	PASS
NVNT	Band4	5	19975	1	#0	QPSK	23.55	-0.04	23.51	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	23.37	-0.04	23.33	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	23.52	-0.04	23.48	PASS
NVNT	Band4	5	19975	12	#0	QPSK	22.68	-0.04	22.64	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	22.58	-0.04	22.54	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	22.62	-0.04	22.58	PASS
NVNT	Band4	5	19975	25	#0	QPSK	22.67	-0.04	22.63	PASS
NVNT	Band4	5	19975	1	#0	16QAM	23.18	-0.04	23.14	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	23.14	-0.04	23.10	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	23.20	-0.04	23.16	PASS
NVNT	Band4	5	19975	12	#0	16QAM	21.60	-0.04	21.56	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	21.62	-0.04	21.58	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	21.58	-0.04	21.54	PASS
NVNT	Band4	5	19975	25	#0	16QAM	21.82	-0.04	21.78	PASS
NVNT	Band4	5	20175	1	#0	QPSK	24.13	-0.04	24.09	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	24.11	-0.04	24.07	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	24.07	-0.04	24.03	PASS
NVNT	Band4	5	20175	12	#0	QPSK	22.90	-0.04	22.86	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	23.03	-0.04	22.99	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	22.96	-0.04	22.92	PASS
NVNT	Band4	5	20175	25	#0	QPSK	23.02	-0.04	22.98	PASS
NVNT	Band4	5	20175	1	#0	16QAM	23.62	-0.04	23.58	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	23.57	-0.04	23.53	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	23.52	-0.04	23.48	PASS
NVNT	Band4	5	20175	12	#0	16QAM	21.93	-0.04	21.89	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	21.86	-0.04	21.82	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	21.88	-0.04	21.84	PASS
NVNT	Band4	5	20175	25	#0	16QAM	22.09	-0.04	22.05	PASS
NVNT	Band4	5	20375	1	#0	QPSK	23.50	-0.04	23.46	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	23.48	-0.04	23.44	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	23.55	-0.04	23.51	PASS
NVNT	Band4	5	20375	12	#0	QPSK	22.78	-0.04	22.74	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	22.81	-0.04	22.77	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	22.70	-0.04	22.66	PASS
NVNT	Band4	5	20375	25	#0	QPSK	22.70	-0.04	22.66	PASS

NVNT	Band4	5	20375	1	#0	16QAM	23.72	-0.04	23.68	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	23.71	-0.04	23.67	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	23.78	-0.04	23.74	PASS
NVNT	Band4	5	20375	12	#0	16QAM	21.78	-0.04	21.74	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	21.79	-0.04	21.75	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	21.76	-0.04	21.72	PASS
NVNT	Band4	5	20375	25	#0	16QAM	21.95	-0.04	21.91	PASS
NVNT	Band4	10	20000	1	#0	QPSK	23.57	-0.04	23.53	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	23.59	-0.04	23.55	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	23.74	-0.04	23.70	PASS
NVNT	Band4	10	20000	25	#0	QPSK	22.61	-0.04	22.57	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	22.69	-0.04	22.65	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	22.62	-0.04	22.58	PASS
NVNT	Band4	10	20000	50	#0	QPSK	22.67	-0.04	22.63	PASS
NVNT	Band4	10	20000	1	#0	16QAM	24.29	-0.04	24.25	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	24.28	-0.04	24.24	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	24.43	-0.04	24.39	PASS
NVNT	Band4	10	20000	25	#0	16QAM	21.70	-0.04	21.66	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	21.64	-0.04	21.60	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	21.69	-0.04	21.65	PASS
NVNT	Band4	10	20000	50	#0	16QAM	21.72	-0.04	21.68	PASS
NVNT	Band4	10	20175	1	#0	QPSK	23.84	-0.04	23.80	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	23.84	-0.04	23.80	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	23.69	-0.04	23.65	PASS
NVNT	Band4	10	20175	25	#0	QPSK	22.89	-0.04	22.85	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	22.95	-0.04	22.91	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	22.80	-0.04	22.76	PASS
NVNT	Band4	10	20175	50	#0	QPSK	22.96	-0.04	22.92	PASS
NVNT	Band4	10	20175	1	#0	16QAM	24.08	-0.04	24.04	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	24.05	-0.04	24.01	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	23.92	-0.04	23.88	PASS
NVNT	Band4	10	20175	25	#0	16QAM	22.15	-0.04	22.11	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	22.10	-0.04	22.06	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	22.05	-0.04	22.01	PASS
NVNT	Band4	10	20175	50	#0	16QAM	22.07	-0.04	22.03	PASS
NVNT	Band4	10	20350	1	#0	QPSK	23.79	-0.04	23.75	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	23.77	-0.04	23.73	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	23.87	-0.04	23.83	PASS
NVNT	Band4	10	20350	25	#0	QPSK	22.75	-0.04	22.71	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	22.82	-0.04	22.78	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	22.67	-0.04	22.63	PASS
NVNT	Band4	10	20350	50	#0	QPSK	22.77	-0.04	22.73	PASS

NVNT	Band4	10	20350	1	#0	16QAM	23.93	-0.04	23.89	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	24.02	-0.04	23.98	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	24.08	-0.04	24.04	PASS
NVNT	Band4	10	20350	25	#0	16QAM	21.89	-0.04	21.85	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	21.88	-0.04	21.84	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	21.86	-0.04	21.82	PASS
NVNT	Band4	10	20350	50	#0	16QAM	21.82	-0.04	21.78	PASS
NVNT	Band4	15	20025	1	#0	QPSK	23.56	-0.04	23.52	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	23.74	-0.04	23.70	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	23.82	-0.04	23.78	PASS
NVNT	Band4	15	20025	36	#0	QPSK	22.72	-0.04	22.68	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	22.71	-0.04	22.67	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	22.72	-0.04	22.68	PASS
NVNT	Band4	15	20025	75	#0	QPSK	22.58	-0.04	22.54	PASS
NVNT	Band4	15	20025	1	#0	16QAM	24.26	-0.04	24.22	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	24.32	-0.04	24.28	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	24.49	-0.04	24.45	PASS
NVNT	Band4	15	20025	36	#0	16QAM	21.79	-0.04	21.75	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	21.77	-0.04	21.73	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	21.94	-0.04	21.90	PASS
NVNT	Band4	15	20025	75	#0	16QAM	21.78	-0.04	21.74	PASS
NVNT	Band4	15	20175	1	#0	QPSK	23.84	-0.04	23.80	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	23.87	-0.04	23.83	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	23.65	-0.04	23.61	PASS
NVNT	Band4	15	20175	36	#0	QPSK	22.94	-0.04	22.90	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	22.85	-0.04	22.81	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	22.80	-0.04	22.76	PASS
NVNT	Band4	15	20175	75	#0	QPSK	22.86	-0.04	22.82	PASS
NVNT	Band4	15	20175	1	#0	16QAM	24.11	-0.04	24.07	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	24.03	-0.04	23.99	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	23.89	-0.04	23.85	PASS
NVNT	Band4	15	20175	36	#0	16QAM	22.20	-0.04	22.16	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	22.13	-0.04	22.09	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	22.07	-0.04	22.03	PASS
NVNT	Band4	15	20175	75	#0	16QAM	22.06	-0.04	22.02	PASS
NVNT	Band4	15	20325	1	#0	QPSK	23.73	-0.04	23.69	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	23.64	-0.04	23.60	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	23.70	-0.04	23.66	PASS
NVNT	Band4	15	20325	36	#0	QPSK	22.70	-0.04	22.66	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	22.77	-0.04	22.73	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	22.67	-0.04	22.63	PASS
NVNT	Band4	15	20325	75	#0	QPSK	22.68	-0.04	22.64	PASS

NVNT	Band4	15	20325	1	#0	16QAM	24.20	-0.04	24.16	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	24.21	-0.04	24.17	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	24.13	-0.04	24.09	PASS
NVNT	Band4	15	20325	36	#0	16QAM	21.74	-0.04	21.70	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	21.80	-0.04	21.76	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	21.75	-0.04	21.71	PASS
NVNT	Band4	15	20325	75	#0	16QAM	21.92	-0.04	21.88	PASS
NVNT	Band4	20	20050	1	#0	QPSK	23.79	-0.04	23.75	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	23.86	-0.04	23.82	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	24.05	-0.04	24.01	PASS
NVNT	Band4	20	20050	50	#0	QPSK	22.73	-0.04	22.69	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	22.67	-0.04	22.63	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	22.84	-0.04	22.80	PASS
NVNT	Band4	20	20050	100	#0	QPSK	22.65	-0.04	22.61	PASS
NVNT	Band4	20	20050	1	#0	16QAM	23.30	-0.04	23.26	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	23.39	-0.04	23.35	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	23.61	-0.04	23.57	PASS
NVNT	Band4	20	20050	50	#0	16QAM	21.87	-0.04	21.83	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	22.01	-0.04	21.97	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	22.00	-0.04	21.96	PASS
NVNT	Band4	20	20050	100	#0	16QAM	21.82	-0.04	21.78	PASS
NVNT	Band4	20	20175	1	#0	QPSK	24.10	-0.04	24.06	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	24.22	-0.04	24.18	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	23.99	-0.04	23.95	PASS
NVNT	Band4	20	20175	50	#0	QPSK	22.88	-0.04	22.84	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	23.05	-0.04	23.01	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	22.93	-0.04	22.89	PASS
NVNT	Band4	20	20175	100	#0	QPSK	23.01	-0.04	22.97	PASS
NVNT	Band4	20	20175	1	#0	16QAM	23.51	-0.04	23.47	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	23.56	-0.04	23.52	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	23.36	-0.04	23.32	PASS
NVNT	Band4	20	20175	50	#0	16QAM	22.09	-0.04	22.05	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	22.06	-0.04	22.02	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	21.97	-0.04	21.93	PASS
NVNT	Band4	20	20175	100	#0	16QAM	22.02	-0.04	21.98	PASS
NVNT	Band4	20	20300	1	#0	QPSK	23.87	-0.04	23.83	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	23.75	-0.04	23.71	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	23.74	-0.04	23.70	PASS
NVNT	Band4	20	20300	50	#0	QPSK	22.84	-0.04	22.80	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	22.84	-0.04	22.80	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	22.66	-0.04	22.62	PASS
NVNT	Band4	20	20300	100	#0	QPSK	22.81	-0.04	22.77	PASS

NVNT	Band4	20	20300	1	#0	16QAM	23.80	-0.04	23.76	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	23.71	-0.04	23.67	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	23.80	-0.04	23.76	PASS
NVNT	Band4	20	20300	50	#0	16QAM	22.05	-0.04	22.01	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	21.98	-0.04	21.94	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	21.87	-0.04	21.83	PASS
NVNT	Band4	20	20300	100	#0	16QAM	21.94	-0.04	21.90	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	-31.00	-0.018	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	-34.26	-0.020	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-12.30	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	-28.94	-0.017	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	-25.48	-0.015	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	-43.70	-0.026	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	-23.05	-0.013	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	-27.48	-0.016	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	-36.96	-0.021	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	-4.48	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	-9.88	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	-12.10	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	-17.91	-0.010	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	-22.33	-0.013	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	-29.20	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-30.36	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-18.50	-0.011	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	-11.01	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-28.04	-0.016	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-31.81	-0.019	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-25.02	-0.015	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-30.01	-0.018	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-40.74	-0.024	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-38.19	-0.022	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	12.79	0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	17.09	0.010	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	29.31	0.017	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	-13.09	-0.008	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	4.26	0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	14.42	0.008	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	13.39	0.008	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	19.77	0.011	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	21.87	0.012	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	15.19	0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	11.36	0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	31.07	0.018	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	-35.99	-0.021	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-37.38	-0.022	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	-19.80	-0.012	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	-27.19	-0.016	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	-39.65	-0.023	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	-28.67	-0.017	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	24.93	0.014	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	45.49	0.026	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	21.83	0.013	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	21.79	0.013	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	9.93	0.006	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	21.31	0.012	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-2.50	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	0.94	0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	0.69	0.000	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	10.93	0.006	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	22.59	0.013	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	44.96	0.026	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	-24.26	-0.014	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	-25.68	-0.015	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	-7.61	-0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	-12.15	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	-4.46	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	6.77	0.004	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	-2.70	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	5.06	0.003	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	13.20	0.008	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	26.12	0.015	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	16.01	0.009	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	-1.63	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	0.33	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	2.82	0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	15.98	0.009	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	23.57	0.013	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	30.04	0.017	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	2.93	0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	-25.63	-0.015	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	-18.87	-0.011	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	-19.00	-0.011	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	-3.49	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	13.98	0.008	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	30.31	0.018	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	11.22	0.006	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	16.87	0.010	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	21.27	0.012	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	28.62	0.017	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	12.77	0.007	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	12.70	0.007	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-22.73	-0.013	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-37.89	-0.022	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	7.32	0.004	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	16.18	0.009	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	25.73	0.015	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	19.48	0.011	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-29.04	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	-28.90	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	-1.26	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	24.88	0.014	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	20.03	0.012	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	8.96	0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	5.08	0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	12.35	0.007	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	15.76	0.009	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	28.35	0.016	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	27.32	0.016	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	12.95	0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	19.73	0.011	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	30.44	0.017	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	25.06	0.014	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	16.67	0.010	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	16.55	0.009	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	19.48	0.011	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	4.41	0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	13.63	0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	11.52	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	12.39	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	11.80	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	13.35	0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	12.59	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	11.67	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	13.90	0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	12.67	0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	15.31	0.009	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	16.54	0.010	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	20.46	0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	21.06	0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	22.02	0.013	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	22.24	0.013	PASS
NVNT	Band	1.4	20175	6	#0	QPSK	NV	-30	-10.53	-0.006	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-7.47	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-4.42	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	-5.91	-0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	-6.52	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	-6.09	-0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	-7.81	-0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	-25.01	-0.014	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	-17.42	-0.010	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	-18.53	-0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	-20.50	-0.012	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	-26.34	-0.015	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	-23.36	-0.013	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	-27.02	-0.016	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-29.63	-0.017	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	-33.03	-0.019	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	7.41	0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	6.88	0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	4.08	0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	3.63	0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	-0.54	0.000	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	-0.50	0.000	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	4.76	0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	9.27	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	9.21	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	8.81	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	8.44	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	10.77	0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	14.75	0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	14.91	0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	14.98	0.009	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	14.92	0.009	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	20.80	0.012	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	32.66	0.019	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	36.02	0.021	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	34.86	0.020	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	32.13	0.019	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	26.12	0.015	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	24.50	0.014	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	16.51	0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	16.21	0.009	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	15.21	0.009	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	17.05	0.010	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	18.35	0.011	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	14.58	0.009	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	14.95	0.009	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	14.13	0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	12.12	0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-6.48	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-6.48	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-7.65	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	-9.08	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	-10.56	-0.006	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	-12.22	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	-17.75	-0.010	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	-19.31	-0.011	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-22.56	-0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	-4.71	-0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-2.73	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	-1.16	-0.001	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	-3.59	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	-4.03	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	-4.21	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	-9.40	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	-14.29	-0.008	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	-18.28	-0.010	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-13.18	-0.008	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-10.87	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-12.12	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-10.49	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-15.08	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-13.38	-0.008	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-17.19	-0.010	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-16.34	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-14.63	-0.008	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	-15.18	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-21.70	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	-21.72	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	-17.87	-0.010	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	-17.01	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	16.22	0.009	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	16.15	0.009	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	15.89	0.009	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	9.96	0.006	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	14.45	0.008	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	14.76	0.009	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	9.01	0.005	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	7.48	0.004	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	6.14	0.004	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-3.48	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	0.99	0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-0.96	-0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	2.89	0.002	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-1.17	-0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-1.04	-0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	-27.92	-0.016	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	-14.79	-0.009	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	-21.76	-0.013	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	-30.10	-0.017	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	-39.94	-0.023	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-8.87	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	-17.72	-0.010	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	-28.88	-0.017	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	-38.61	-0.022	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	-18.32	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	-24.81	-0.014	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	-34.32	-0.020	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	-39.97	-0.023	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	-44.15	-0.025	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	-14.03	-0.008	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	-18.54	-0.011	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	-26.12	-0.015	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	11.90	0.007	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	4.81	0.003	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	-1.77	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-11.39	-0.006	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-21.37	-0.012	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-28.65	-0.016	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	1.06	0.001	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-7.61	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-15.46	-0.009	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-24.22	-0.014	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	-29.40	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-1.77	-0.001	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-8.63	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-19.37	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	-29.71	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	-29.00	-0.017	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	-27.48	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	-38.34	-0.022	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	-27.24	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-27.15	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-22.73	-0.013	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-24.68	-0.014	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	1.63	0.001	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-23.80	-0.014	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	-23.17	-0.014	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-13.68	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	-11.27	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	-11.19	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-31.87	-0.019	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	-13.00	-0.008	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	-31.91	-0.019	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	-5.39	-0.003	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	-17.50	-0.010	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	-29.75	-0.017	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	-37.91	-0.022	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	0.36	0.000	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	-15.96	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	-25.66	-0.015	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	-4.32	-0.002	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-9.23	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-21.46	-0.012	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	-25.02	-0.014	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	-20.04	-0.012	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	-25.72	-0.015	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	-0.80	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	-6.32	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	-12.69	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	-12.29	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	-3.88	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	-12.03	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	-17.57	-0.010	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	-18.61	-0.011	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-23.13	-0.013	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	-27.81	-0.016	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-34.12	-0.019	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	-29.17	-0.017	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-27.15	-0.016	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	-1.92	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	-5.49	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	-3.19	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	-5.55	-0.003	PASS

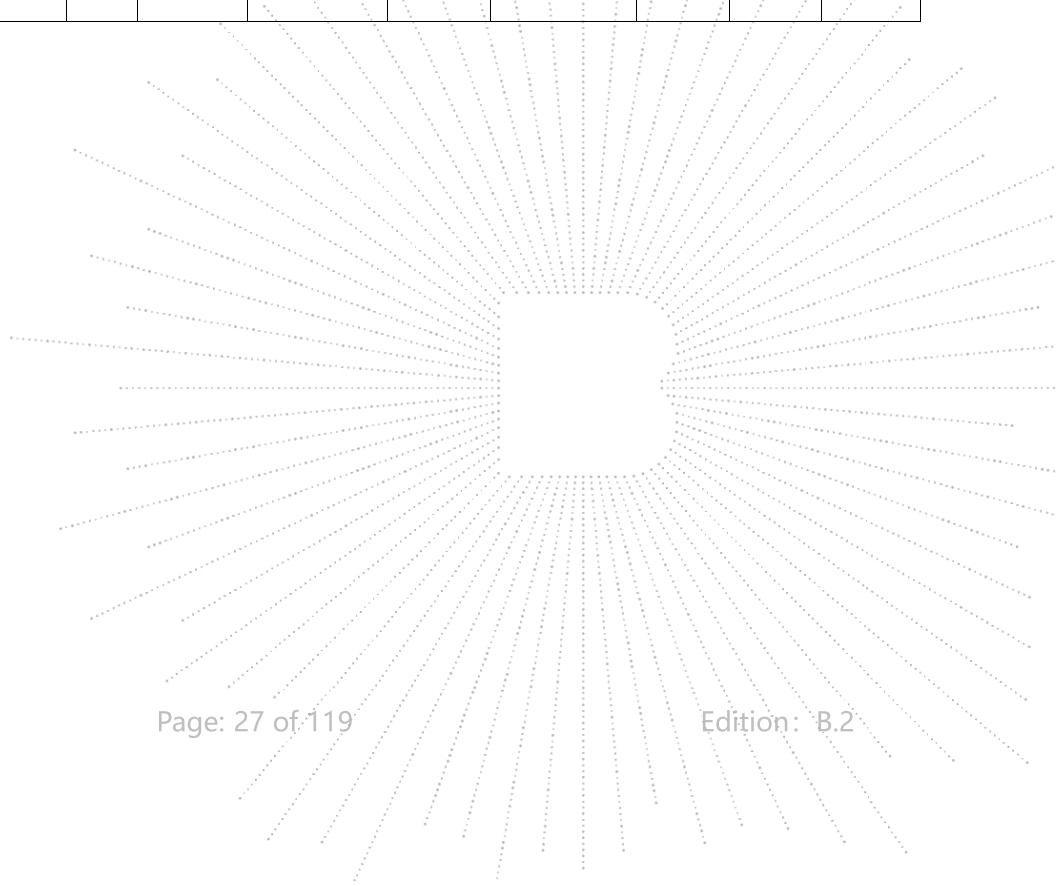
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NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	-23.12	-0.013	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	-37.71	-0.022	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	-29.68	-0.017	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-2.72	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-3.38	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	0.70	0.000	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	1.66	0.001	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	9.58	0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	10.11	0.006	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	5.78	0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	3.38	0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	-3.39	-0.002	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	-0.21	0.000	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	8.53	0.005	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	21.86	0.013	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	29.34	0.017	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	23.43	0.014	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	32.34	0.019	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	38.39	0.022	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	-11.89	-0.007	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	-7.51	-0.004	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	-5.88	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	-4.08	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	1.76	0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	1.09	0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	3.72	0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	8.73	0.005	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	12.95	0.007	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	17.50	0.010	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	27.17	0.016	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	7.72	0.004	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	-5.85	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	1.96	0.001	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	5.65	0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	1.63	0.001	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	5.22	0.003	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-3.98	-0.002	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	7.22	0.004	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	10.10	0.006	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	13.38	0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	14.71	0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	17.55	0.010	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	20.13	0.012	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	21.43	0.012	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	25.79	0.015	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	29.03	0.017	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	21.50	0.012	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	1.23	0.001	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	5.76	0.003	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	6.94	0.004	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	12.47	0.007	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	6.34	0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	4.48	0.003	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	1.83	0.001	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-10.03	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-10.80	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-10.54	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-18.02	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-17.82	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-19.31	-0.011	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-17.19	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	-19.74	-0.011	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	-11.82	-0.007	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	-10.77	-0.006	PASS

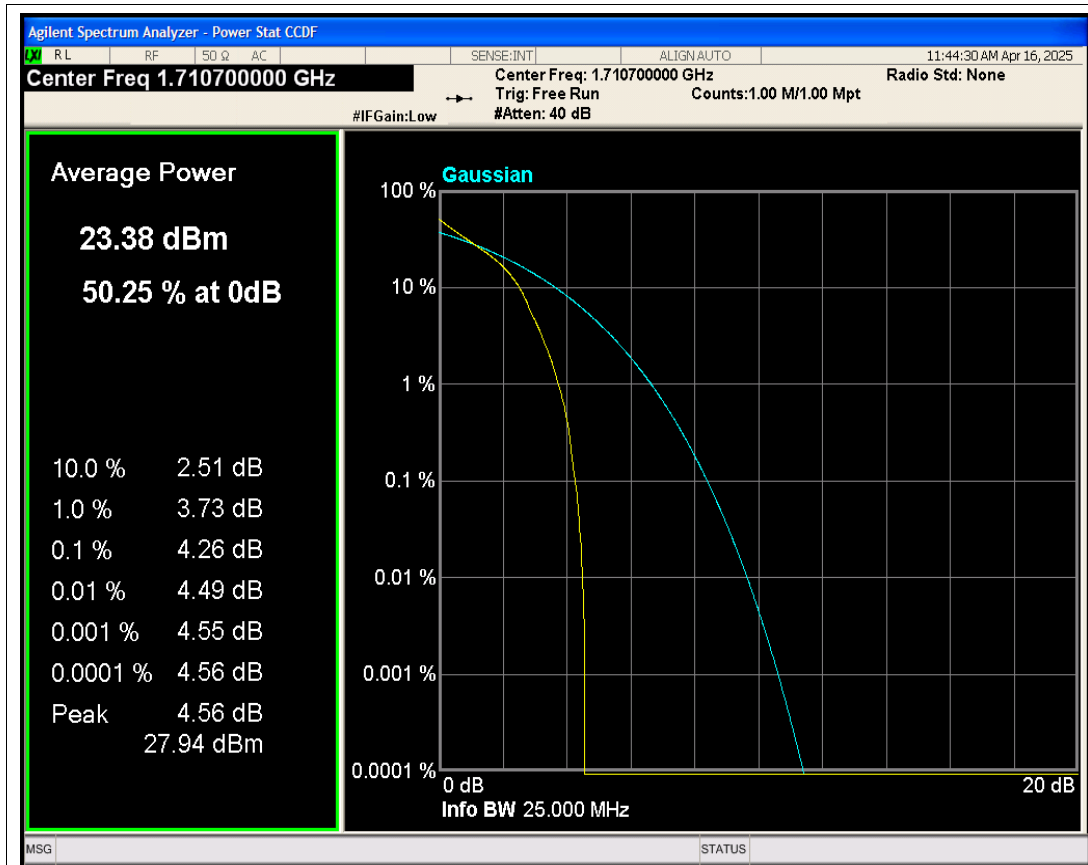
NVNT	Band 4	20	20050	100	#0	16QAM	NV	30	-10.53	-0.006	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	-5.29	-0.003	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-4.33	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	1.34	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	1.79	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	-4.66	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	-3.88	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	-6.41	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-6.04	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-6.29	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	-10.16	-0.006	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	-9.00	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	-7.45	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	0.09	0.000	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	2.49	0.001	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	-6.51	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	-13.19	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	-21.93	-0.013	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	-26.28	-0.015	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	13.06	0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	12.65	0.007	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	4.08	0.002	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	3.35	0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-1.16	-0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	0.86	0.000	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	2.66	0.002	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	6.38	0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	5.49	0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	7.61	0.004	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	9.93	0.006	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	9.17	0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	11.69	0.007	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	17.37	0.010	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	17.72	0.010	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	15.15	0.009	PASS

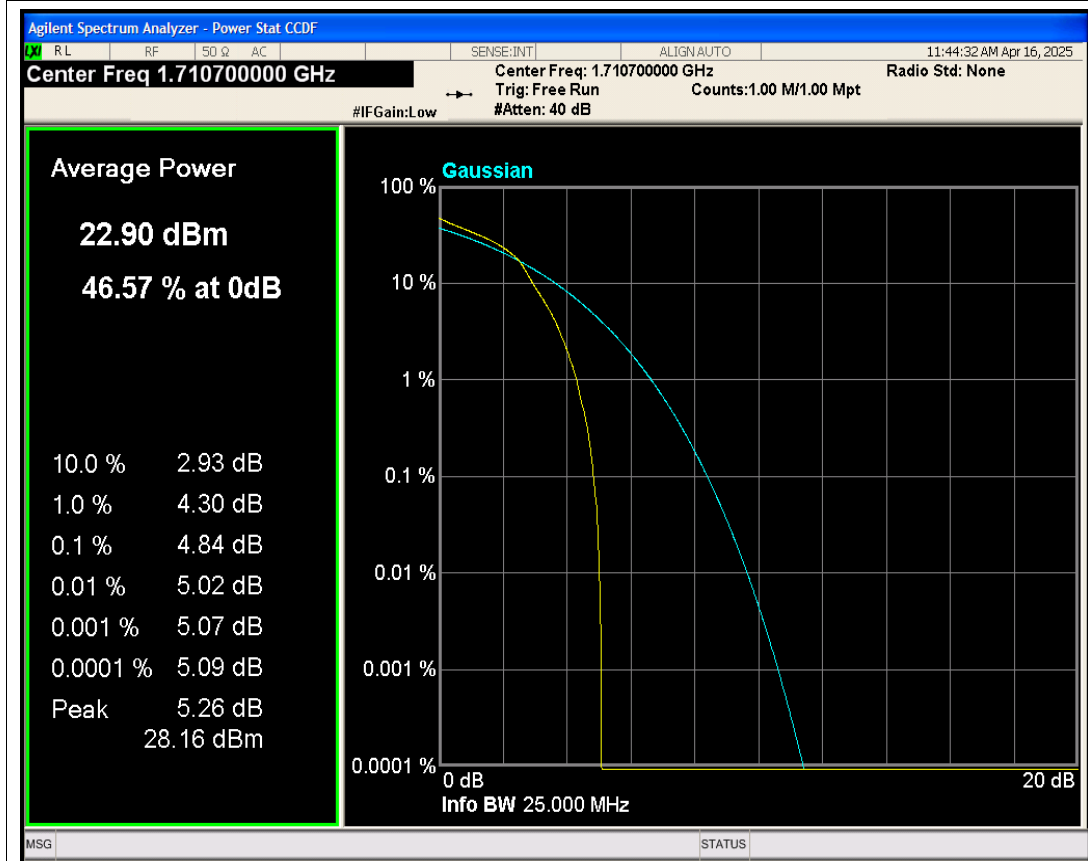


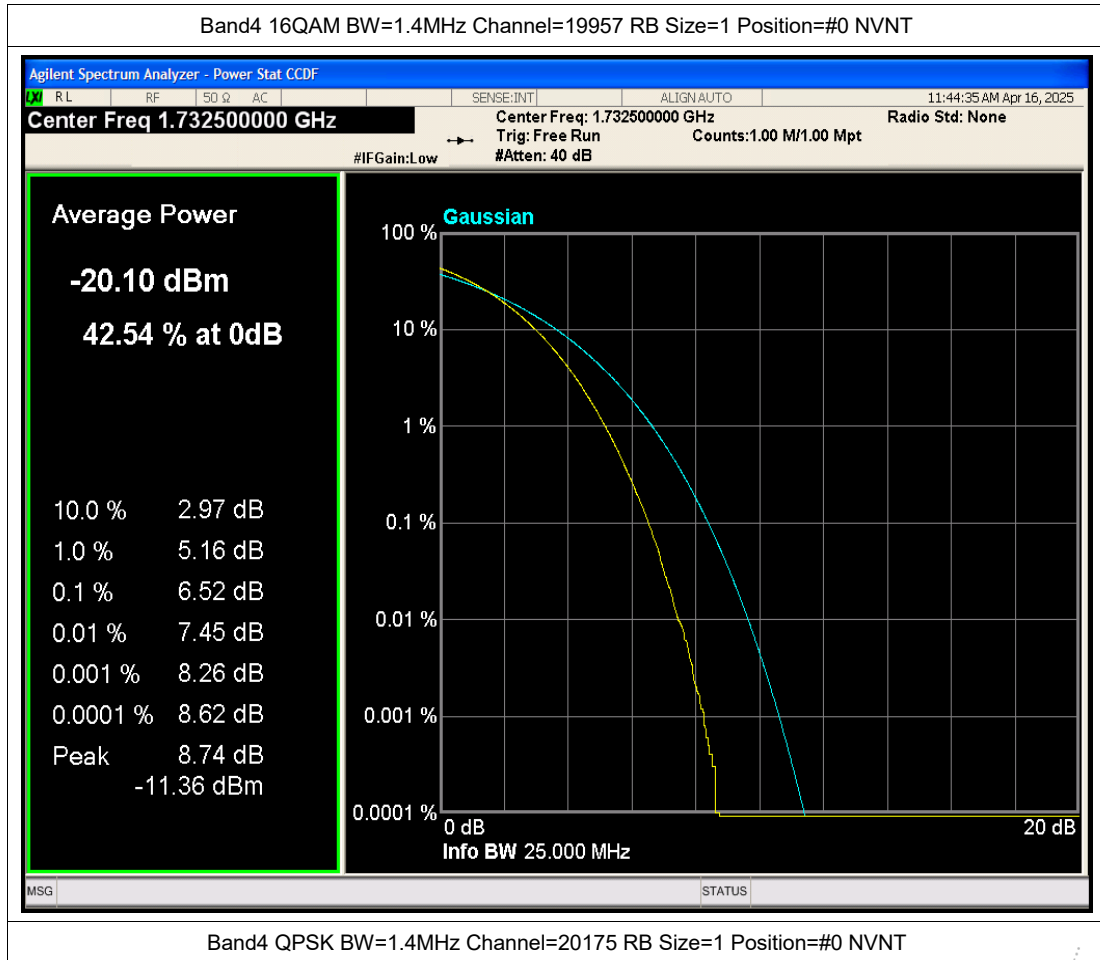
Appendix 3. Peak-to-Average Ratio

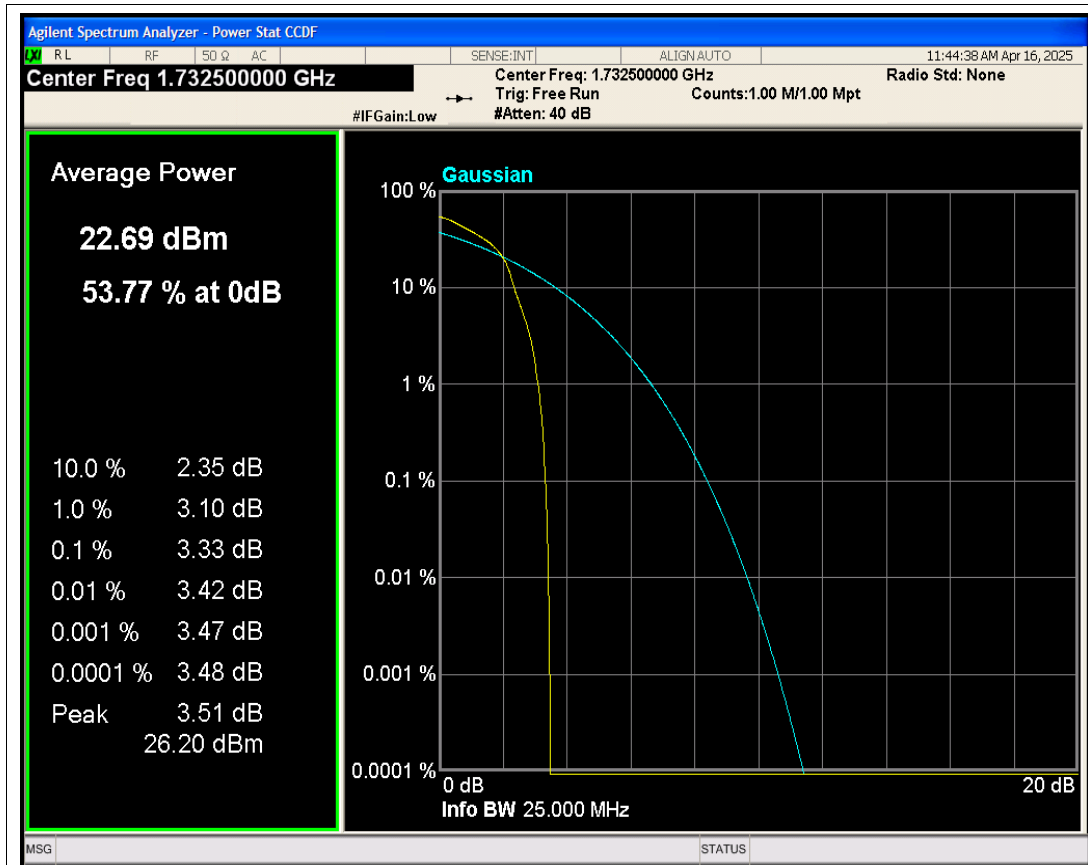
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	4.26	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	4.84	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	6.52	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	3.33	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	2.85	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	3.67	13	PASS
NVNT	Band4	3	19965	1	#0	QPSK	4.27	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	4.90	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	2.98	13	PASS
NVNT	Band4	3	20175	1	#0	16QAM	3.14	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	2.71	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	3.35	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	4.52	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	5.05	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	3.02	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	3.53	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	3.16	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	3.74	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	4.23	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	4.88	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	3.52	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	4.06	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	3.94	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	4.75	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	4.31	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	4.90	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	3.87	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	4.44	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	4.09	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	4.46	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	4.20	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	4.68	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	3.93	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	4.67	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	3.11	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	3.67	13	PASS



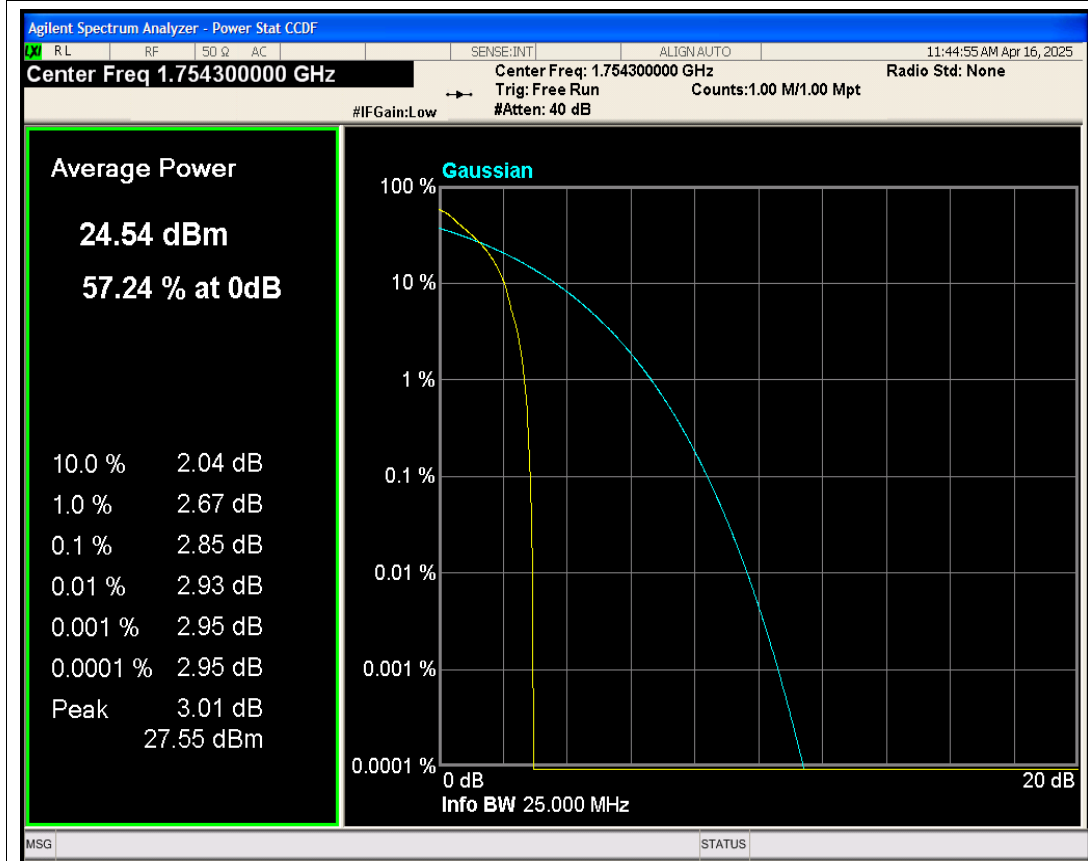
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

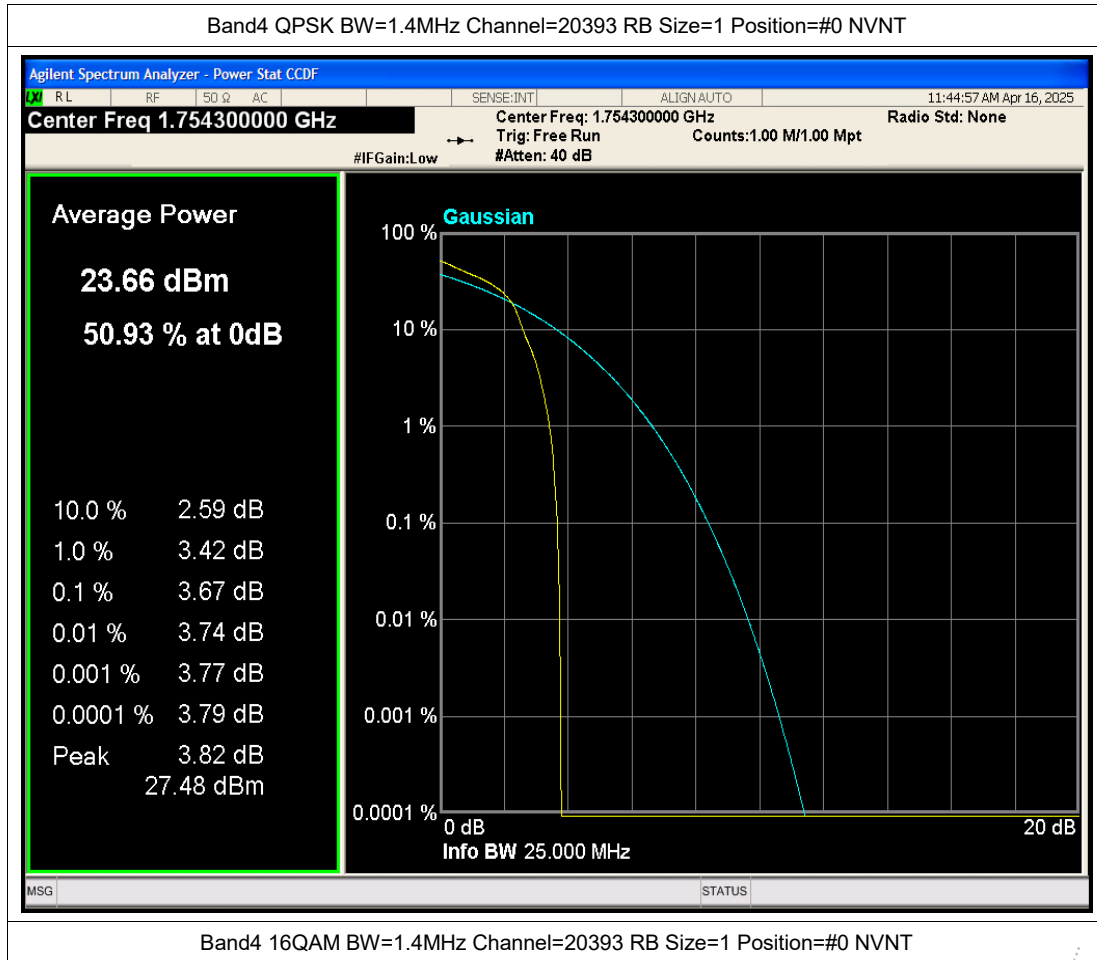


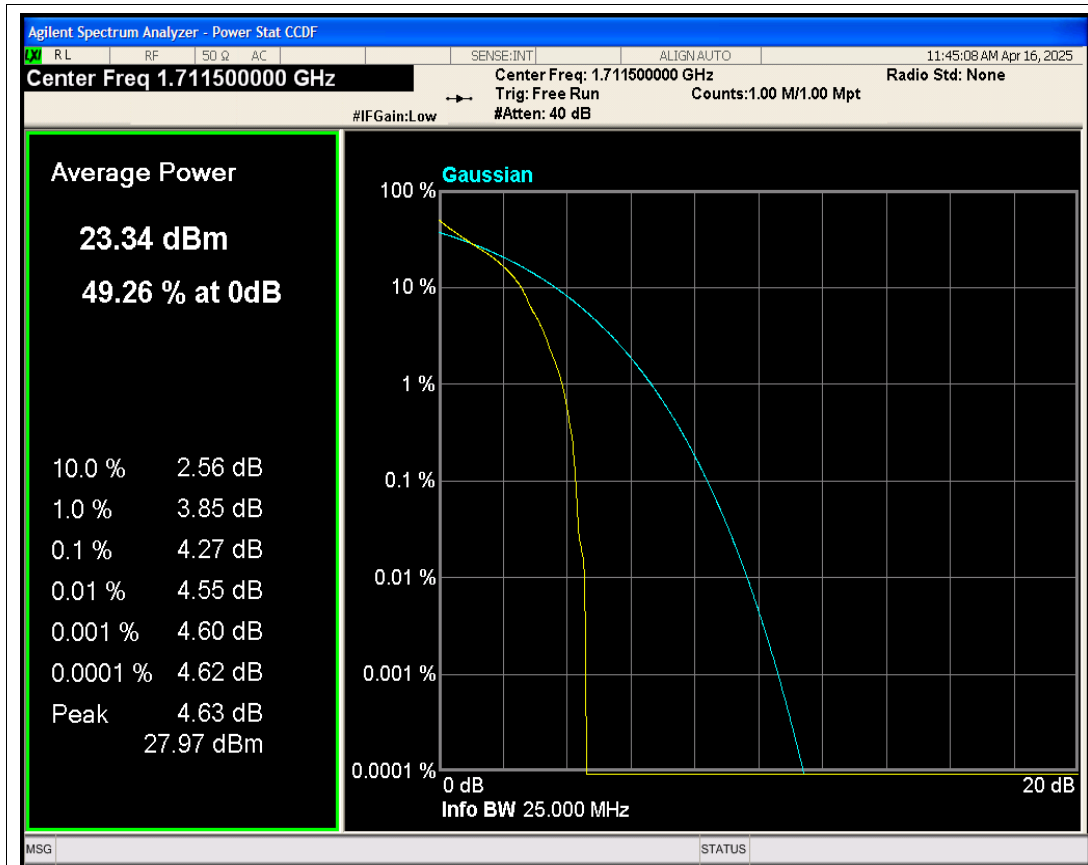




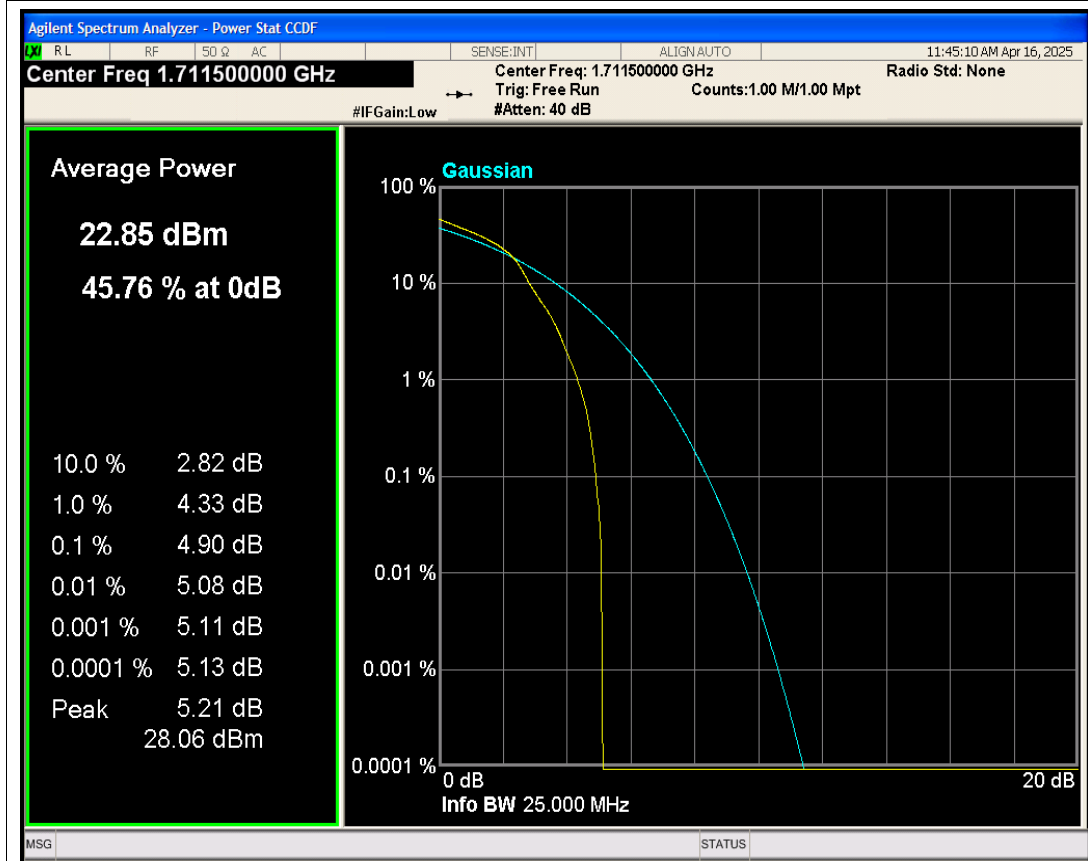
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

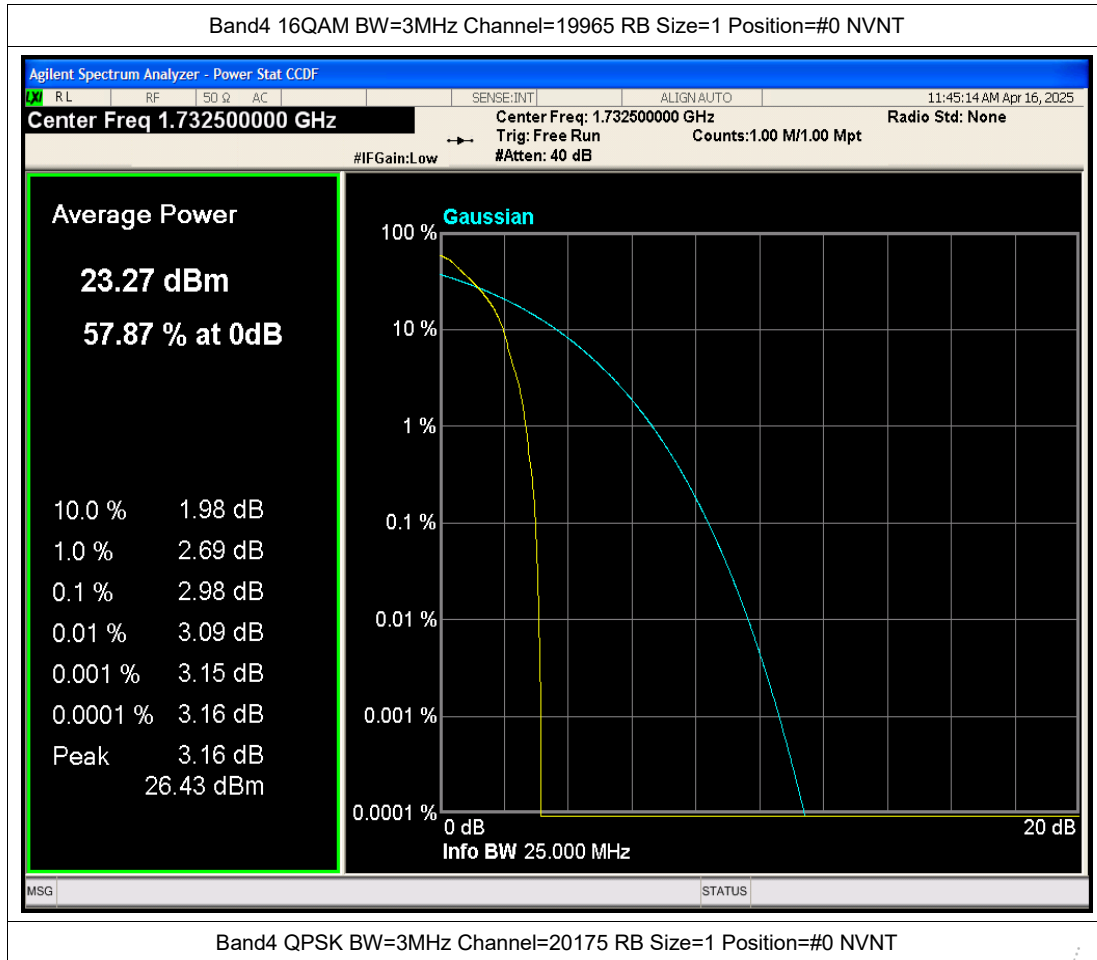


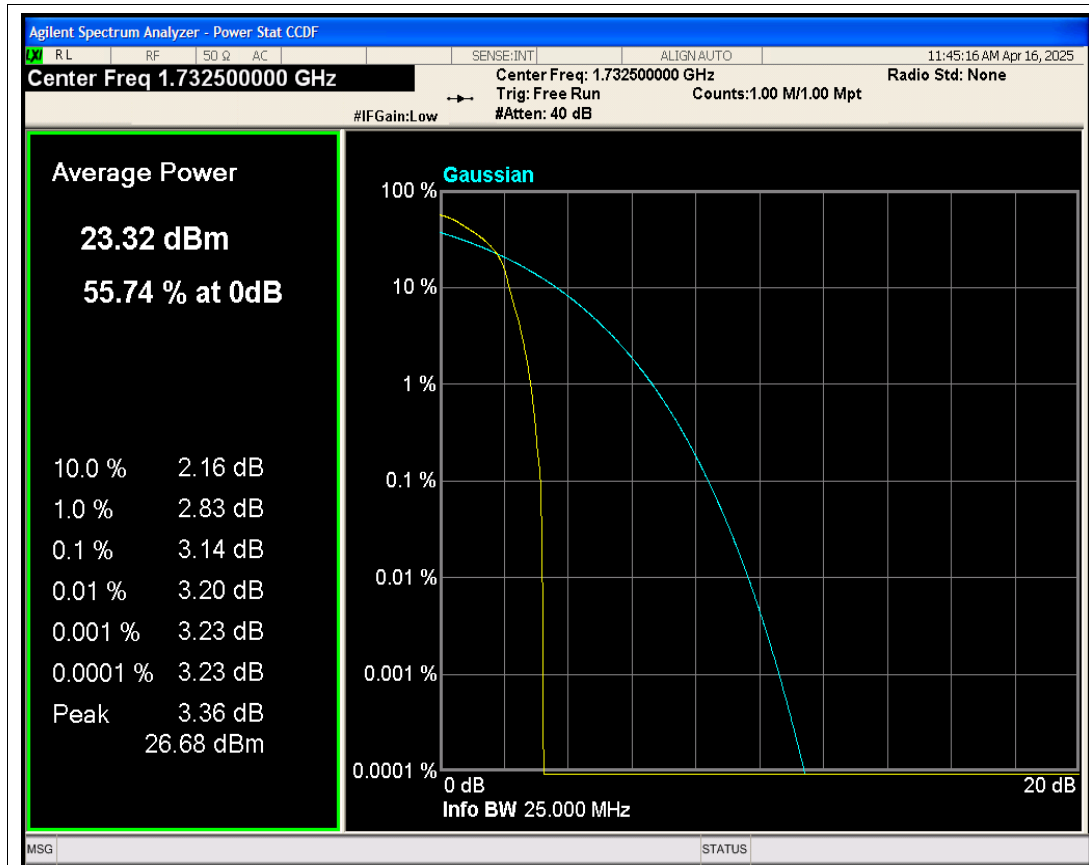




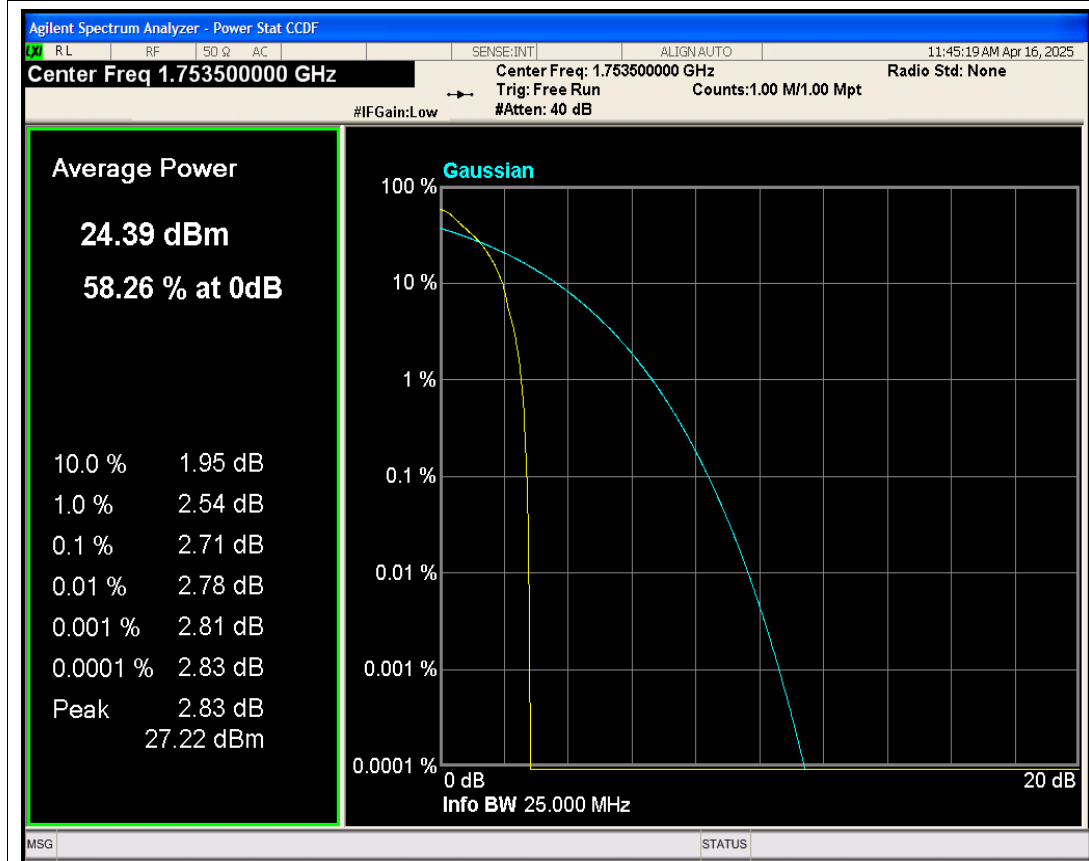
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

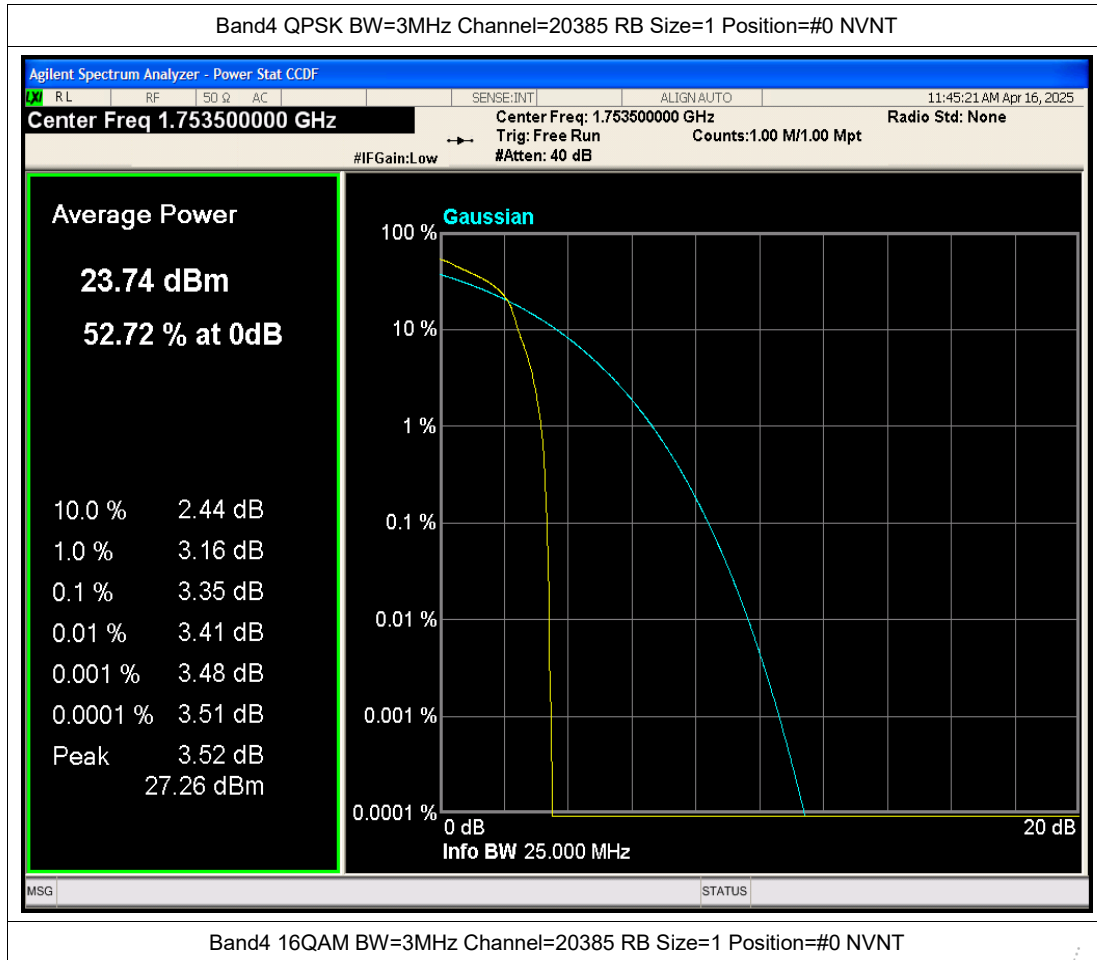


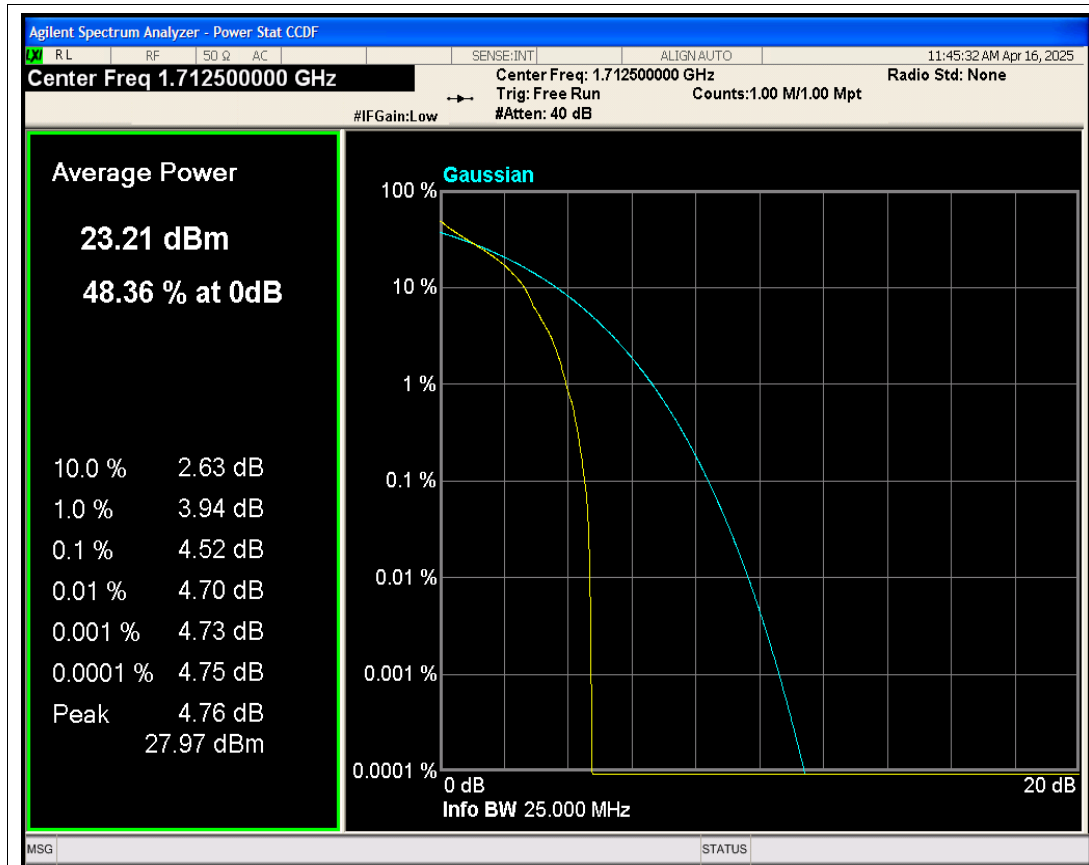




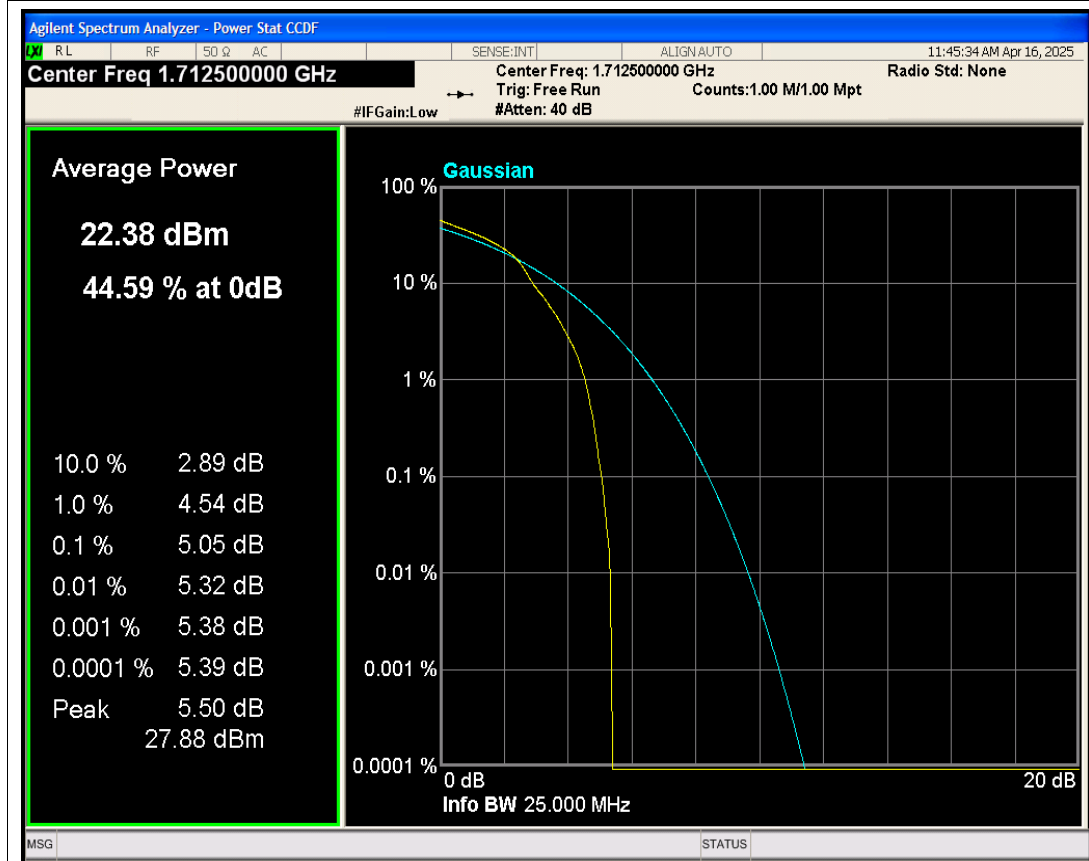
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

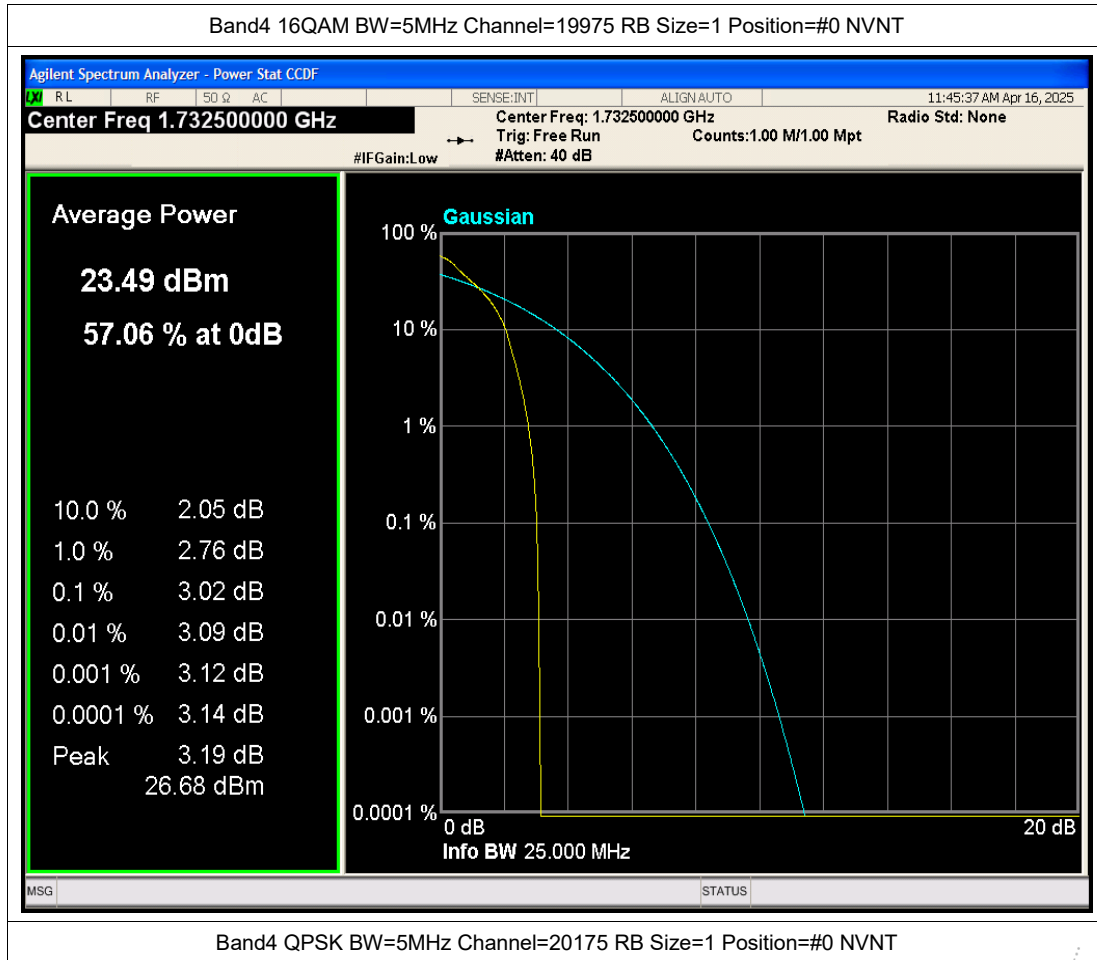


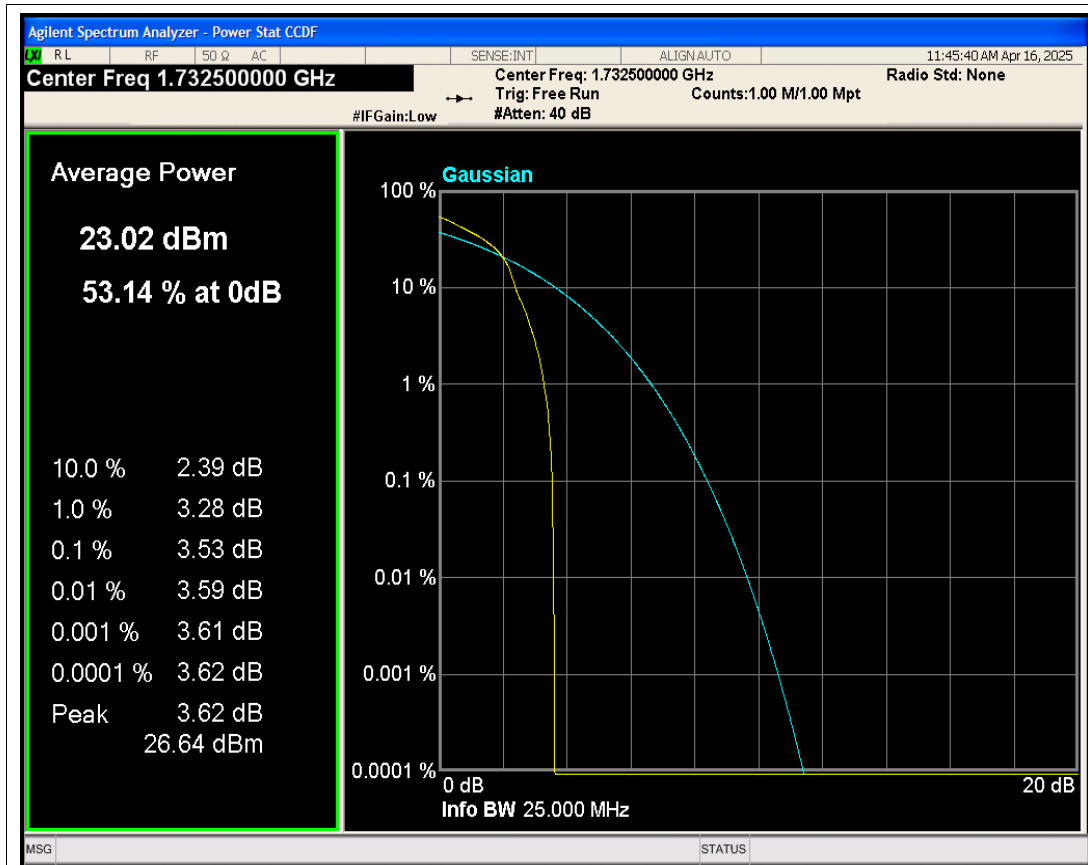




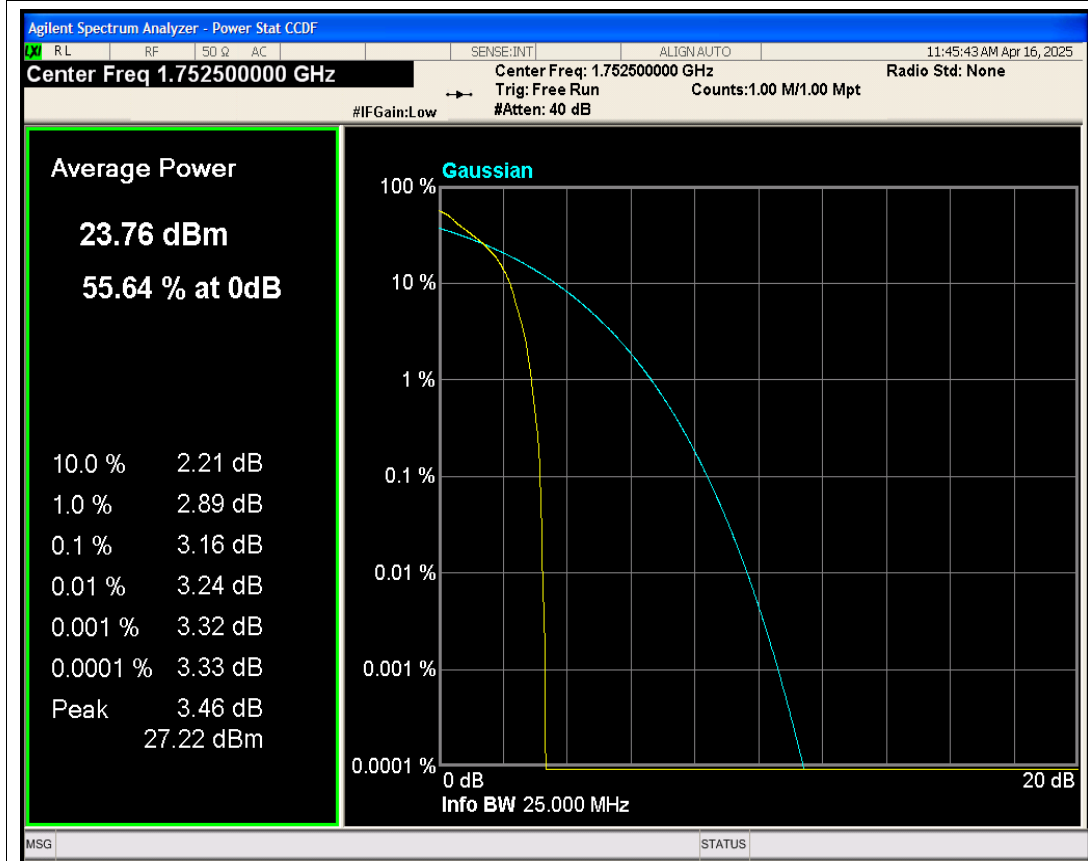
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

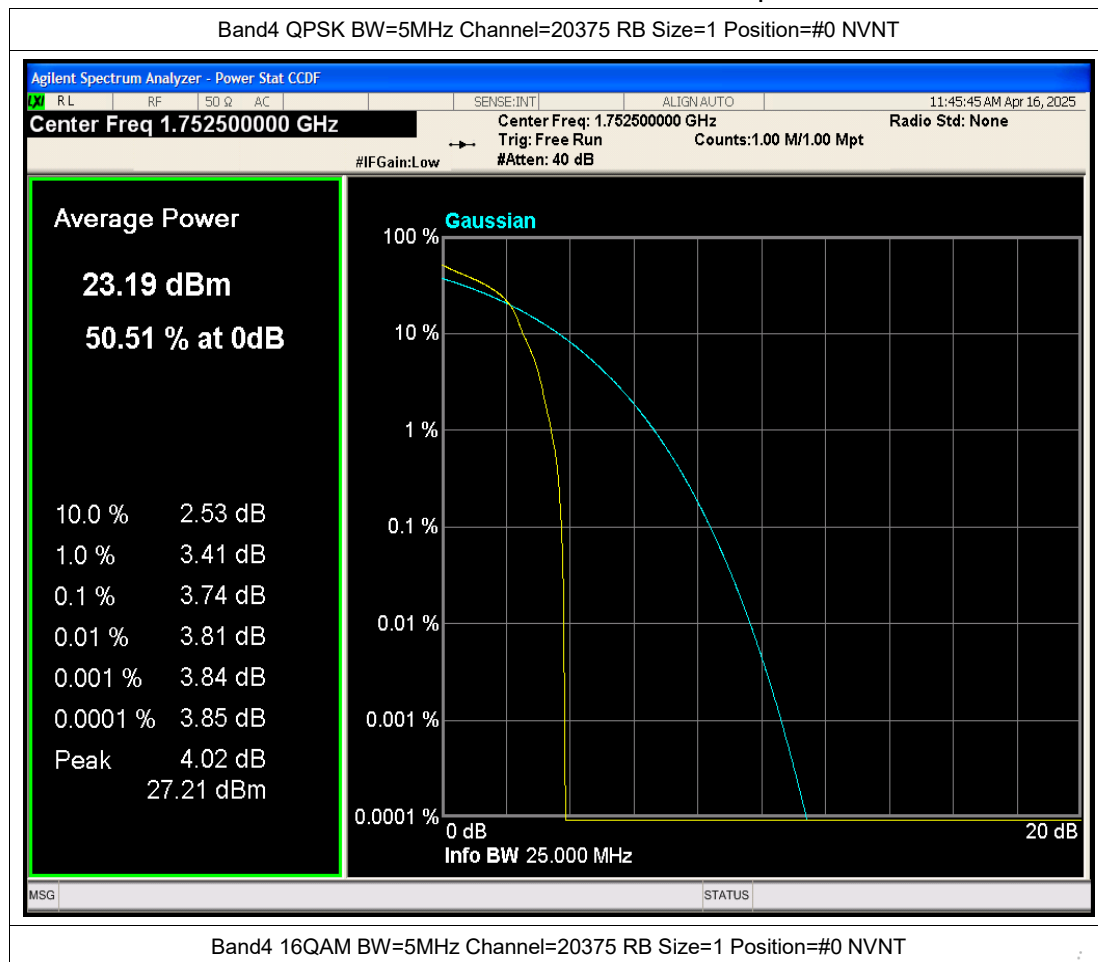


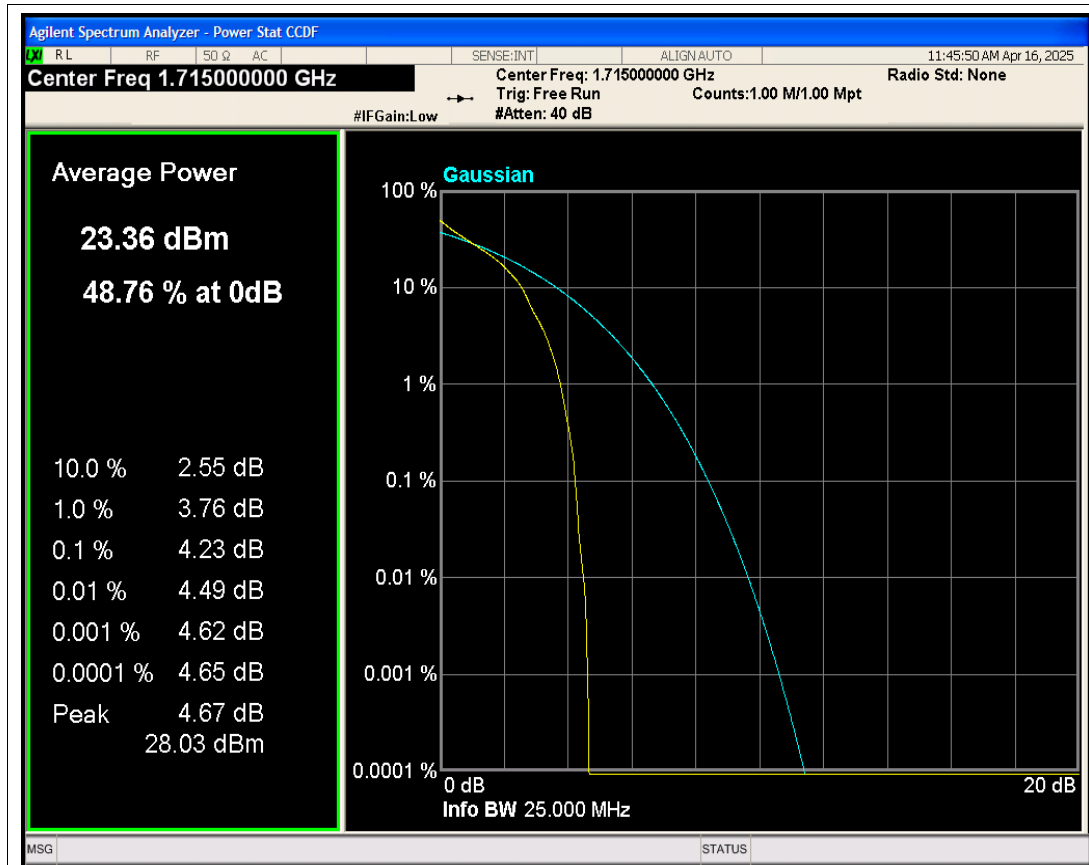




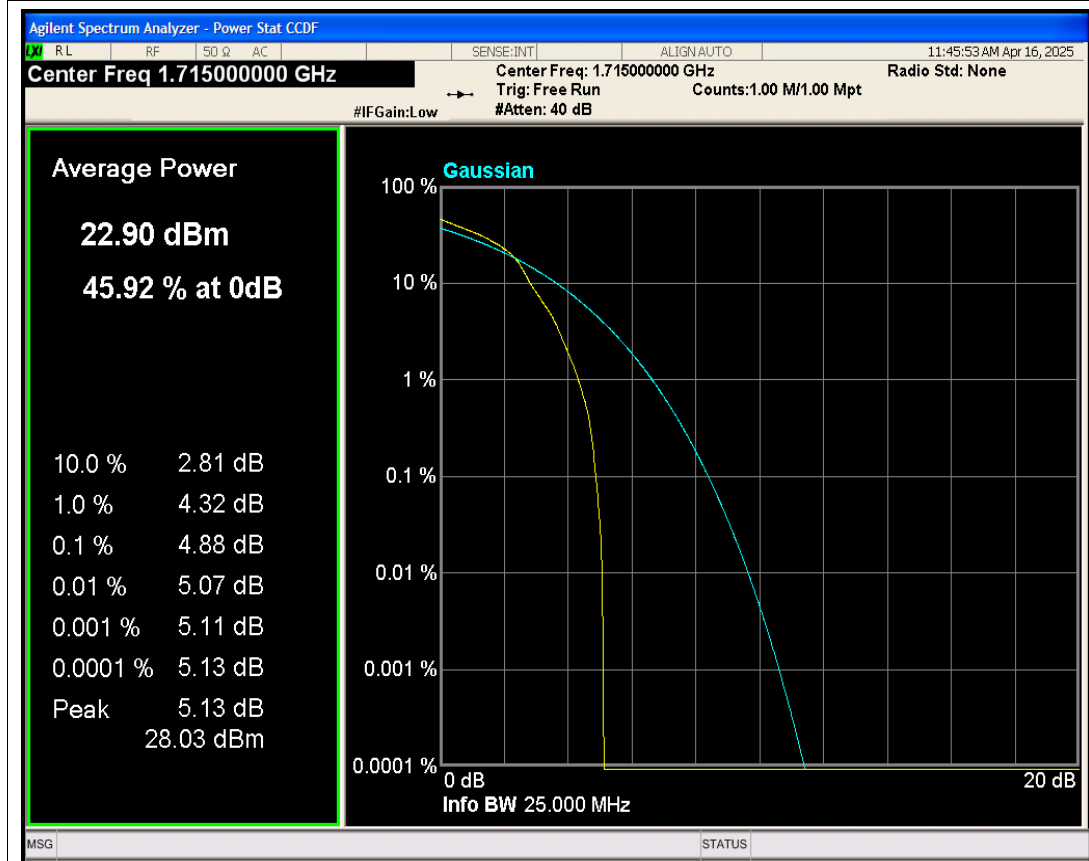
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

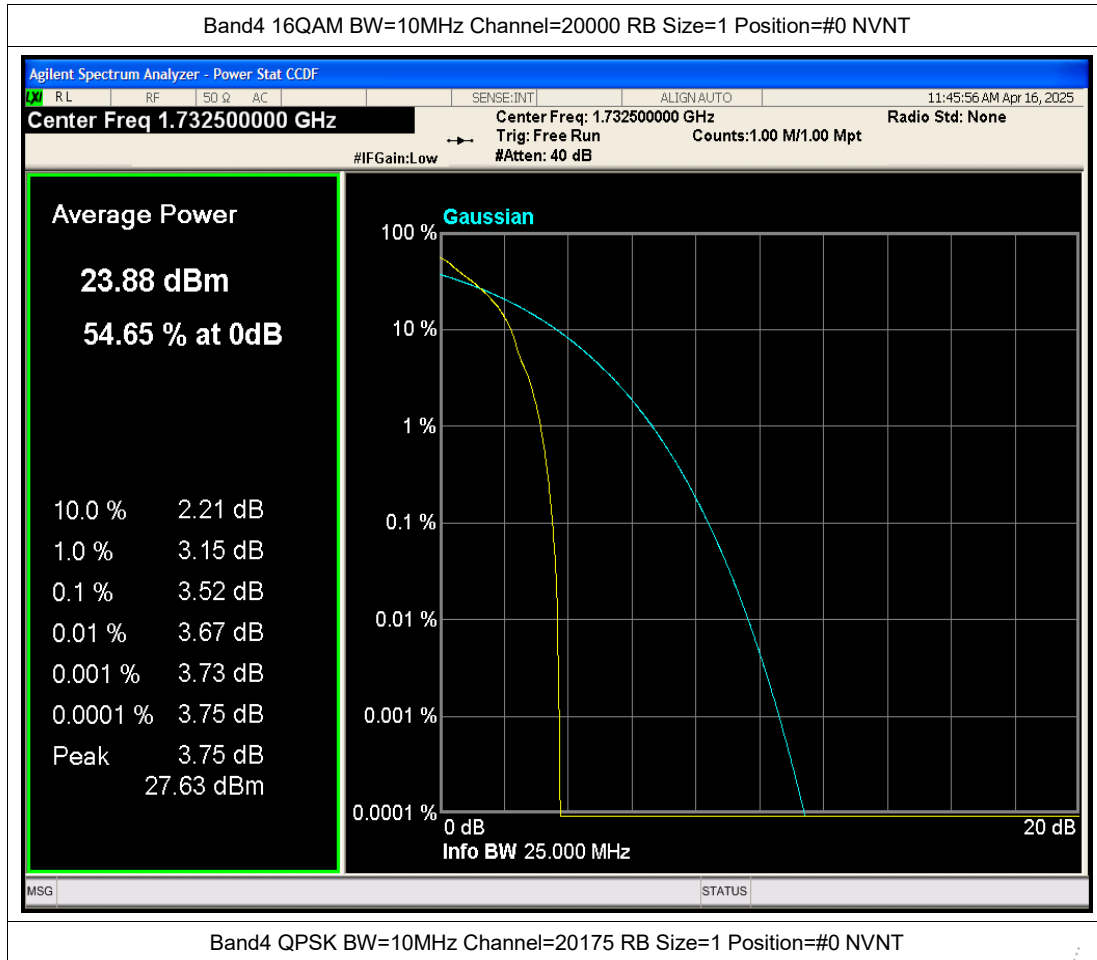


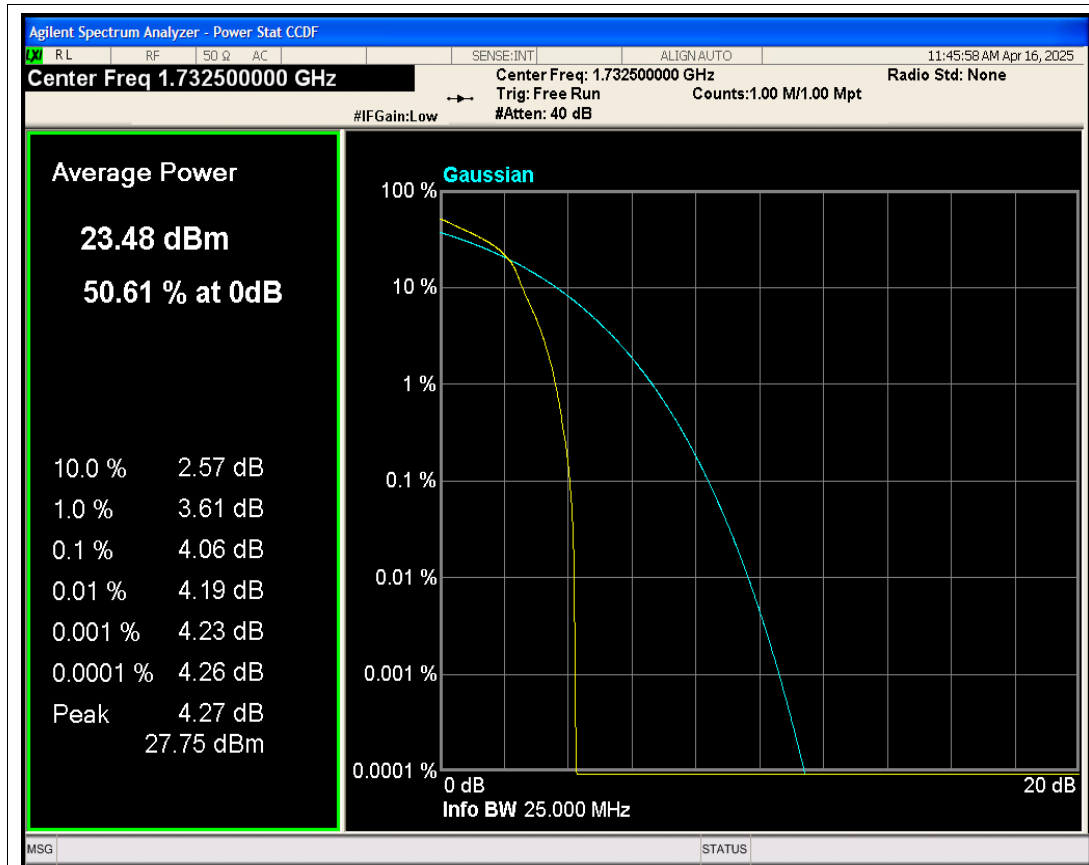




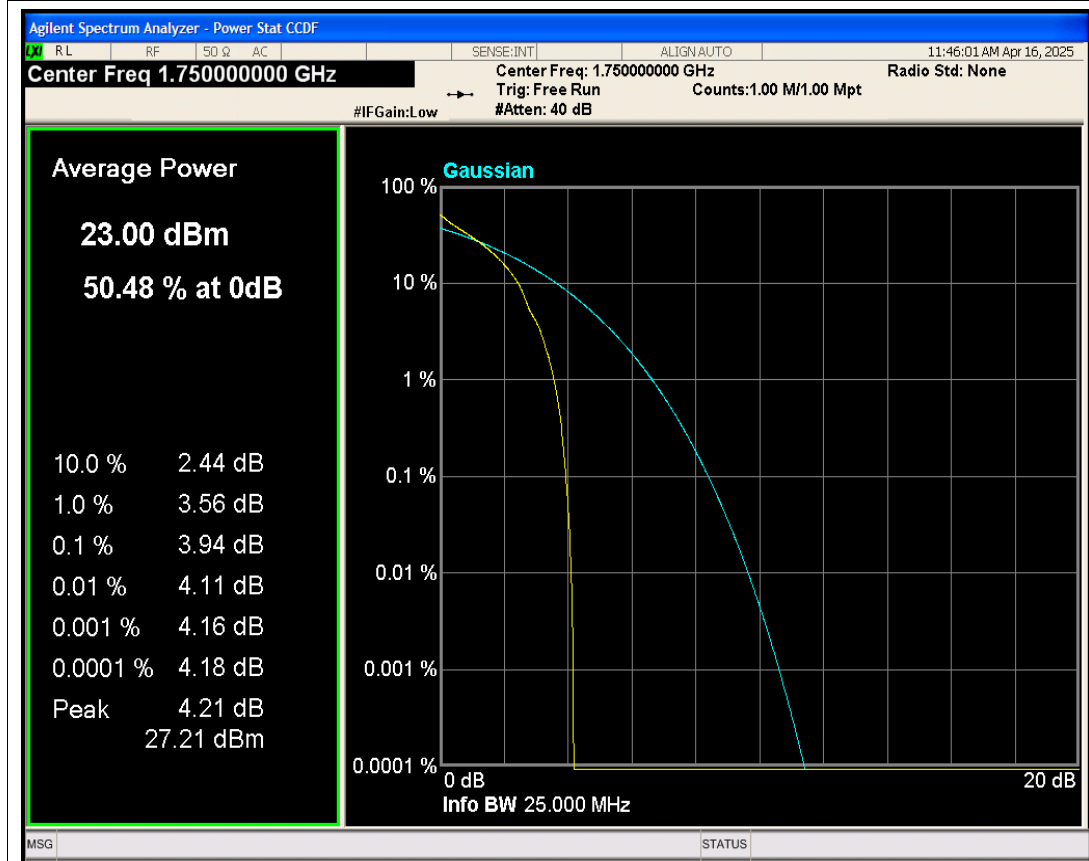
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

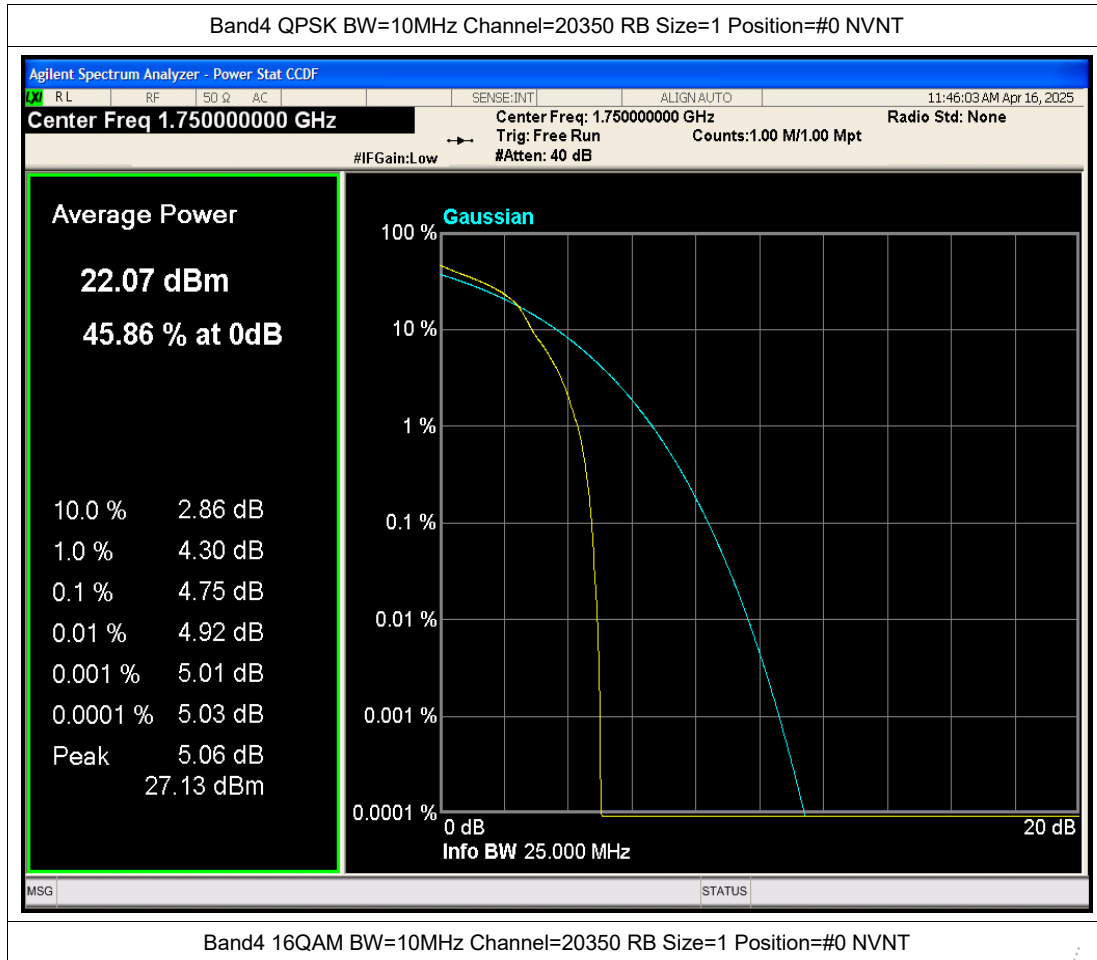


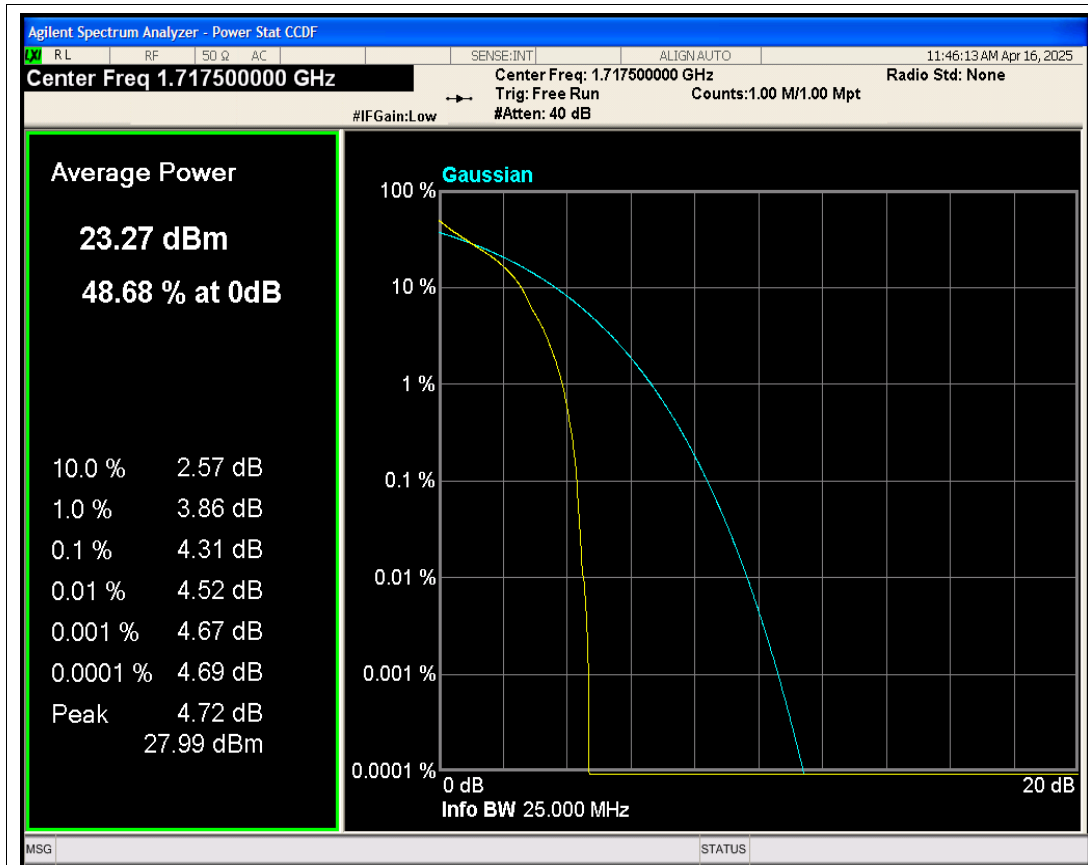




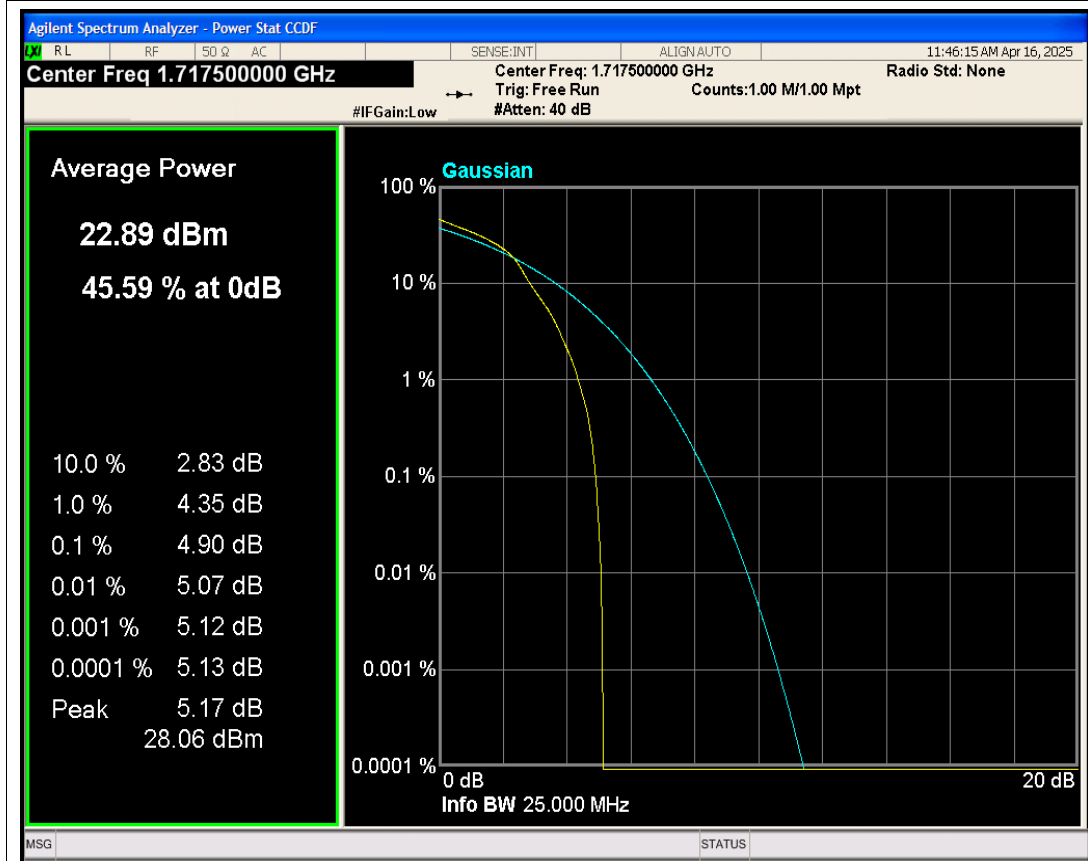
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

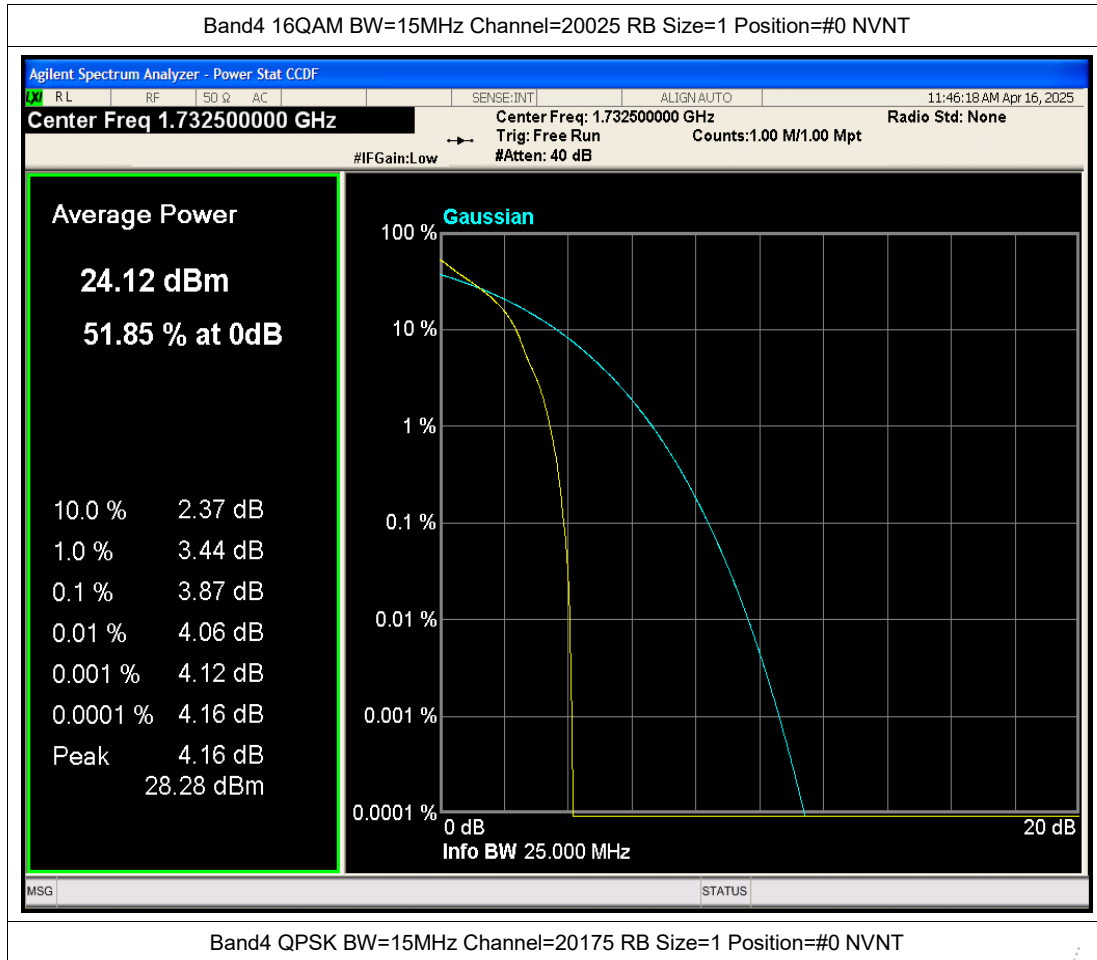


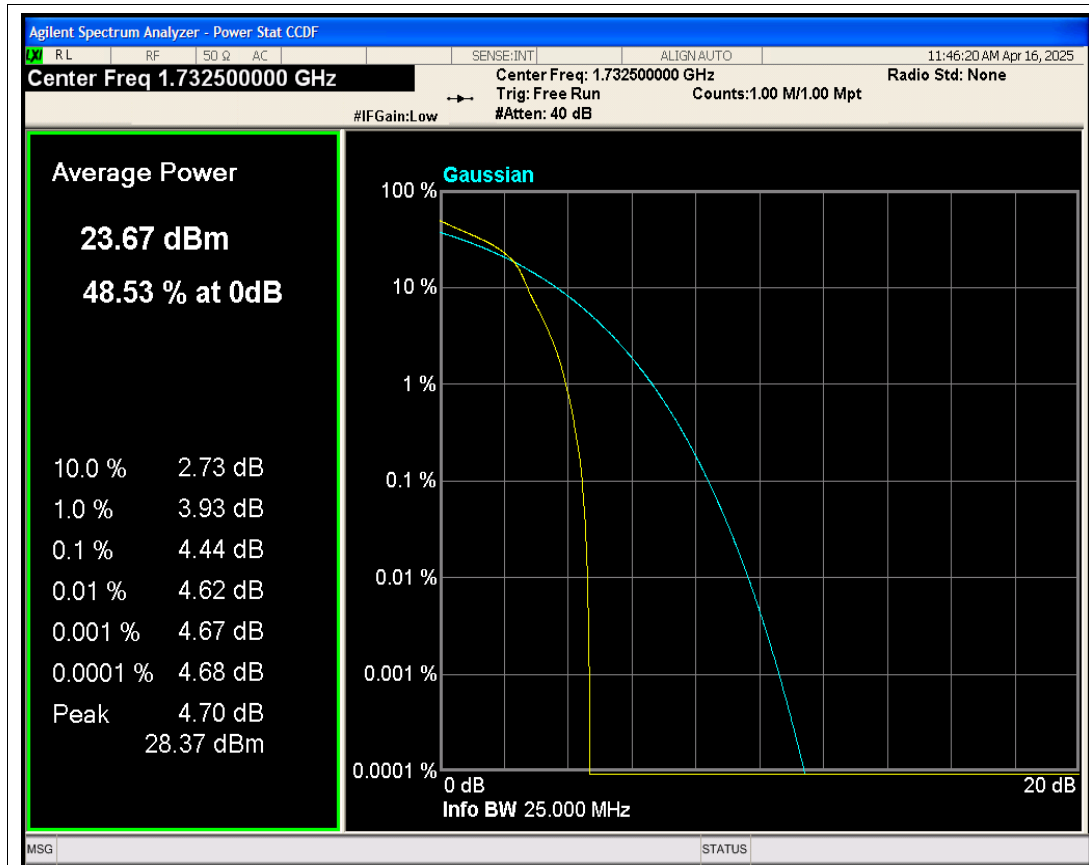




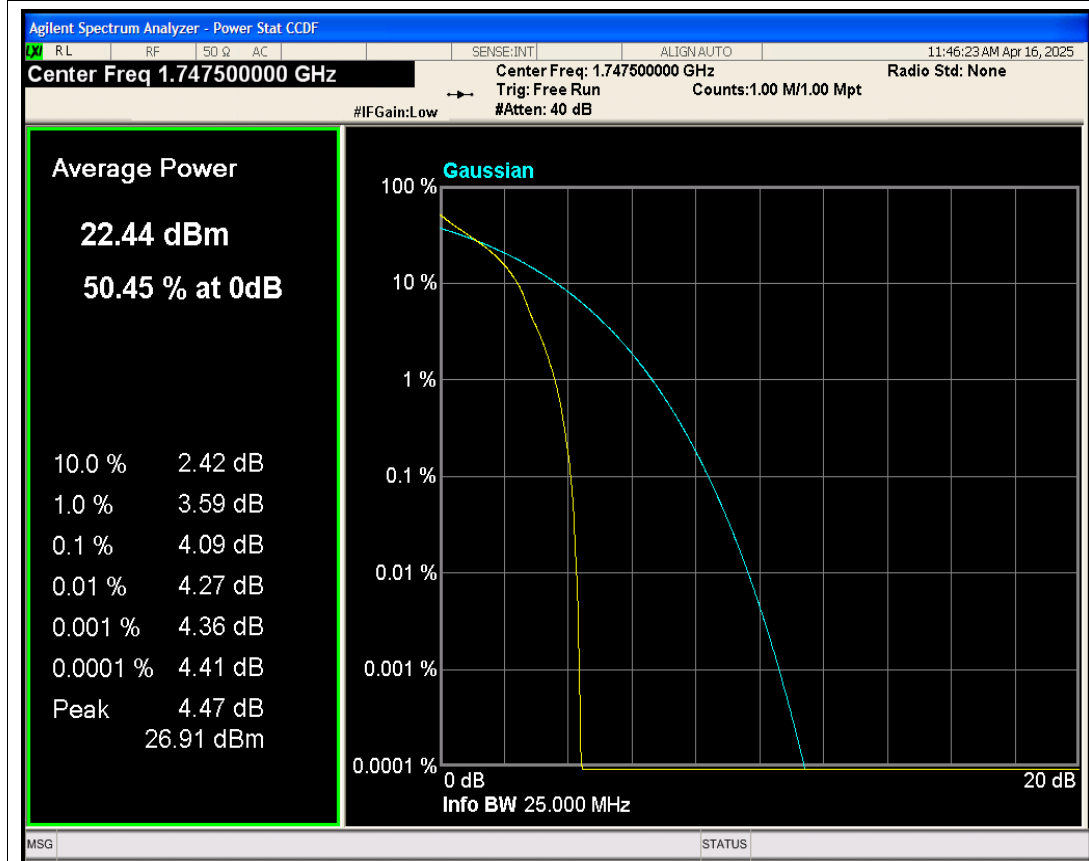
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

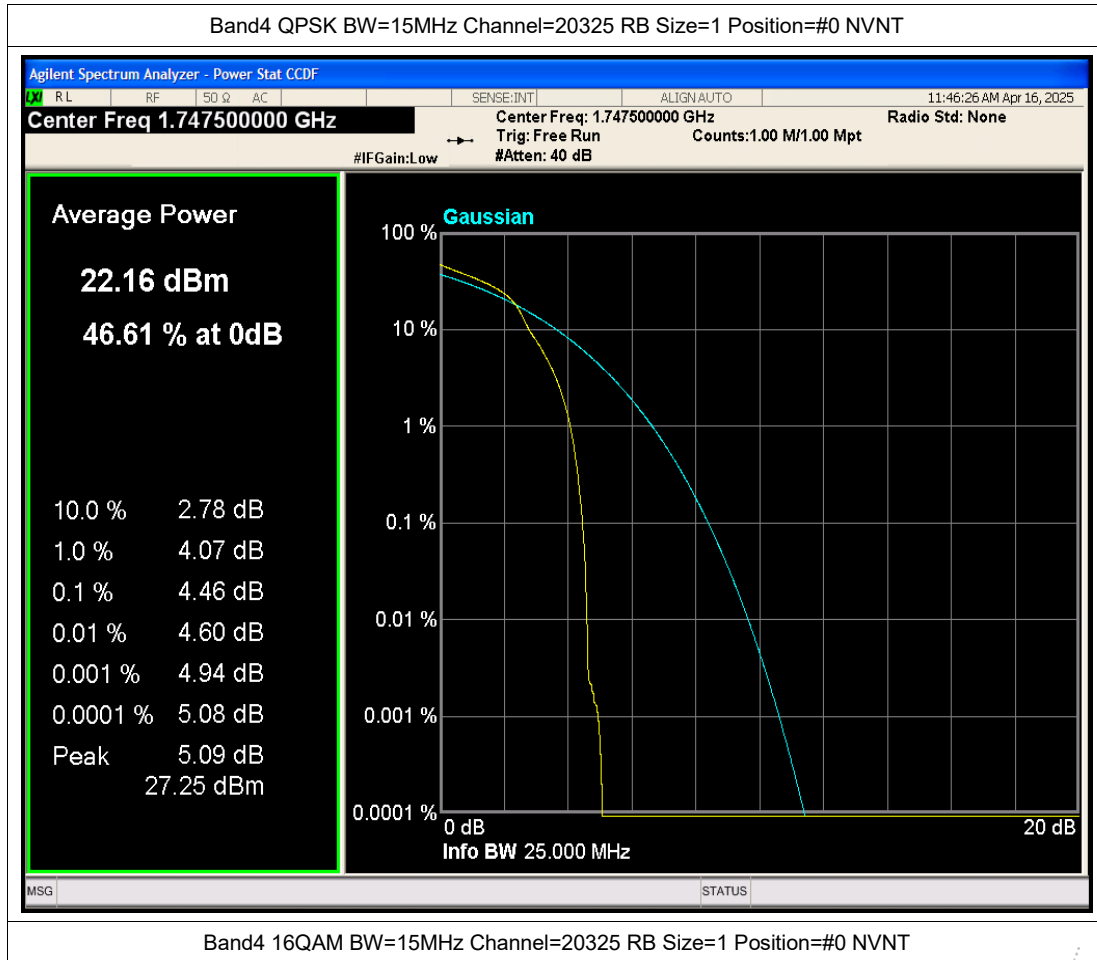


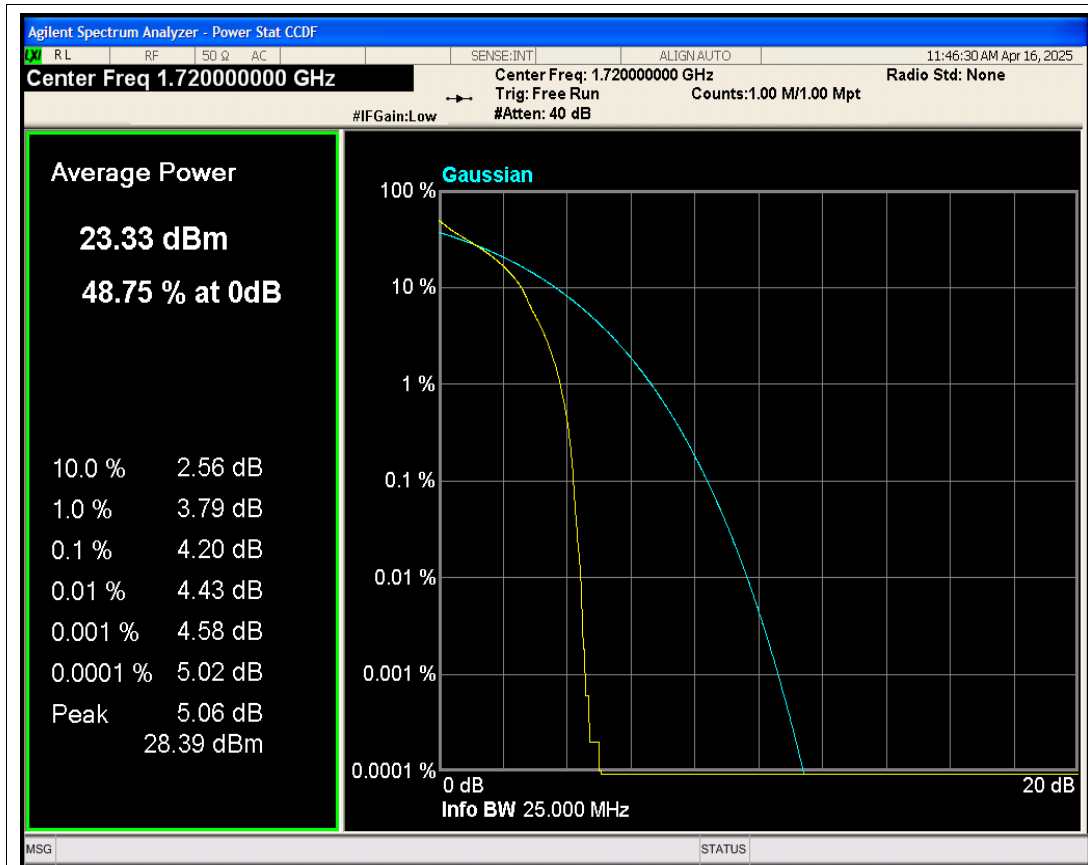




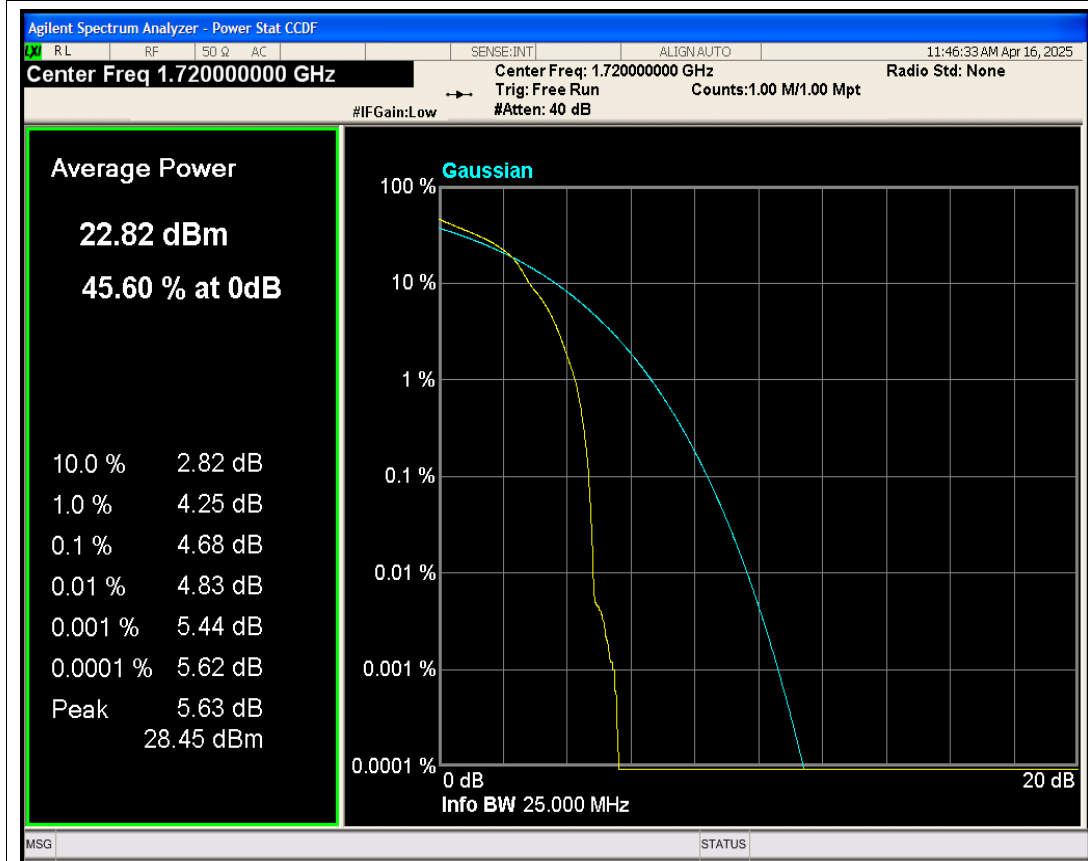
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

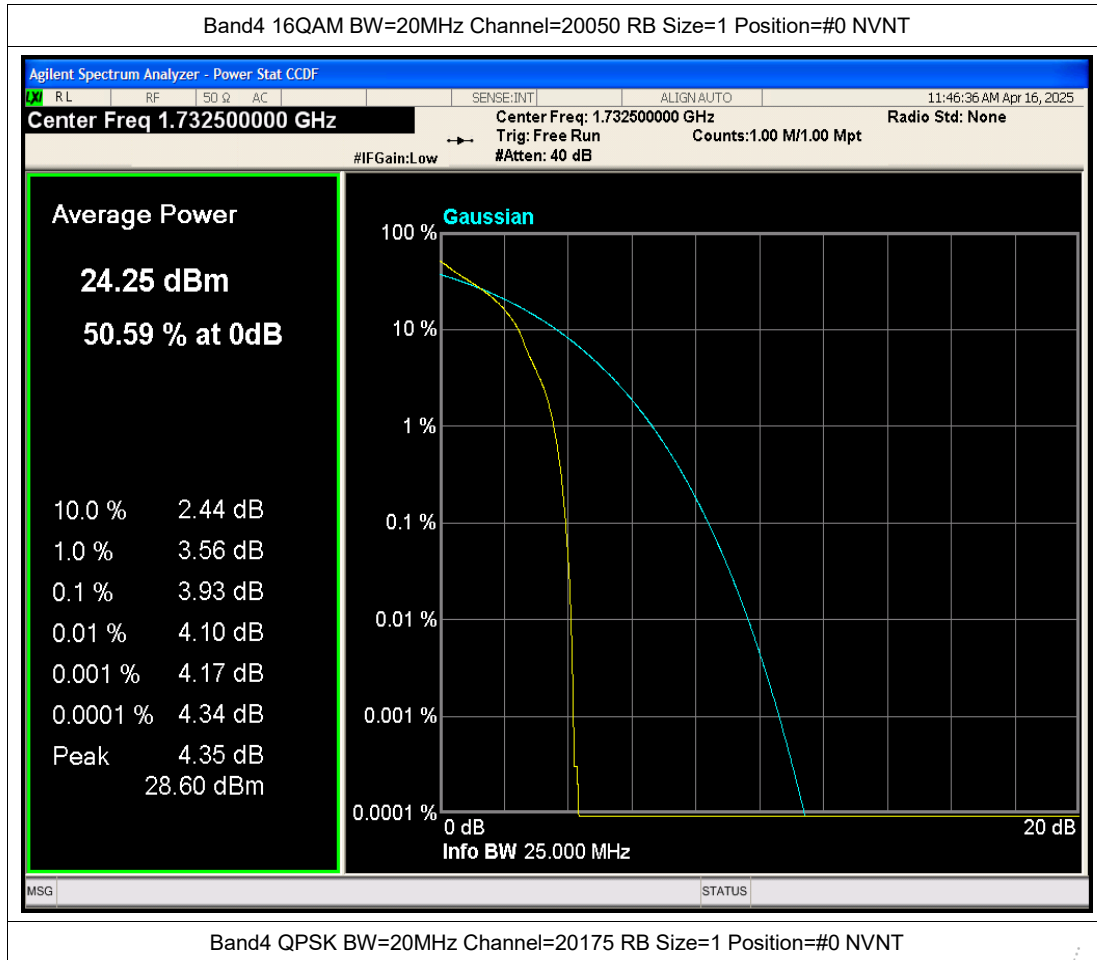


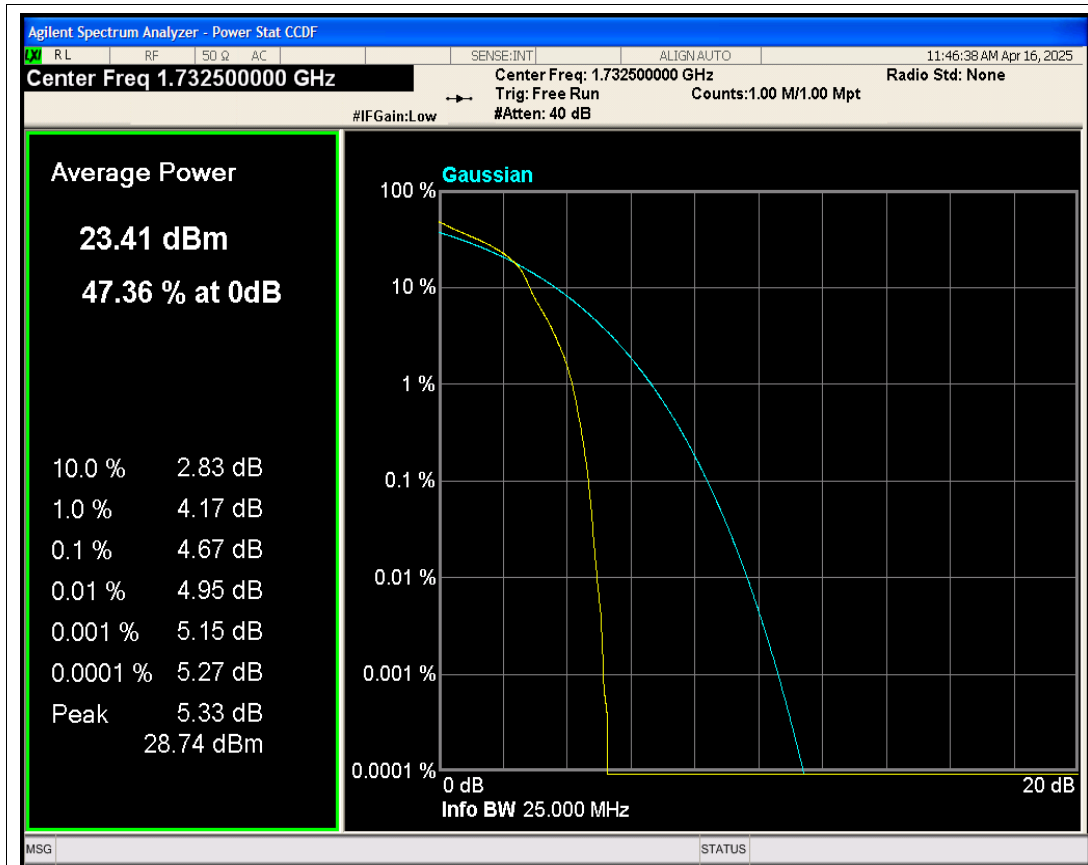




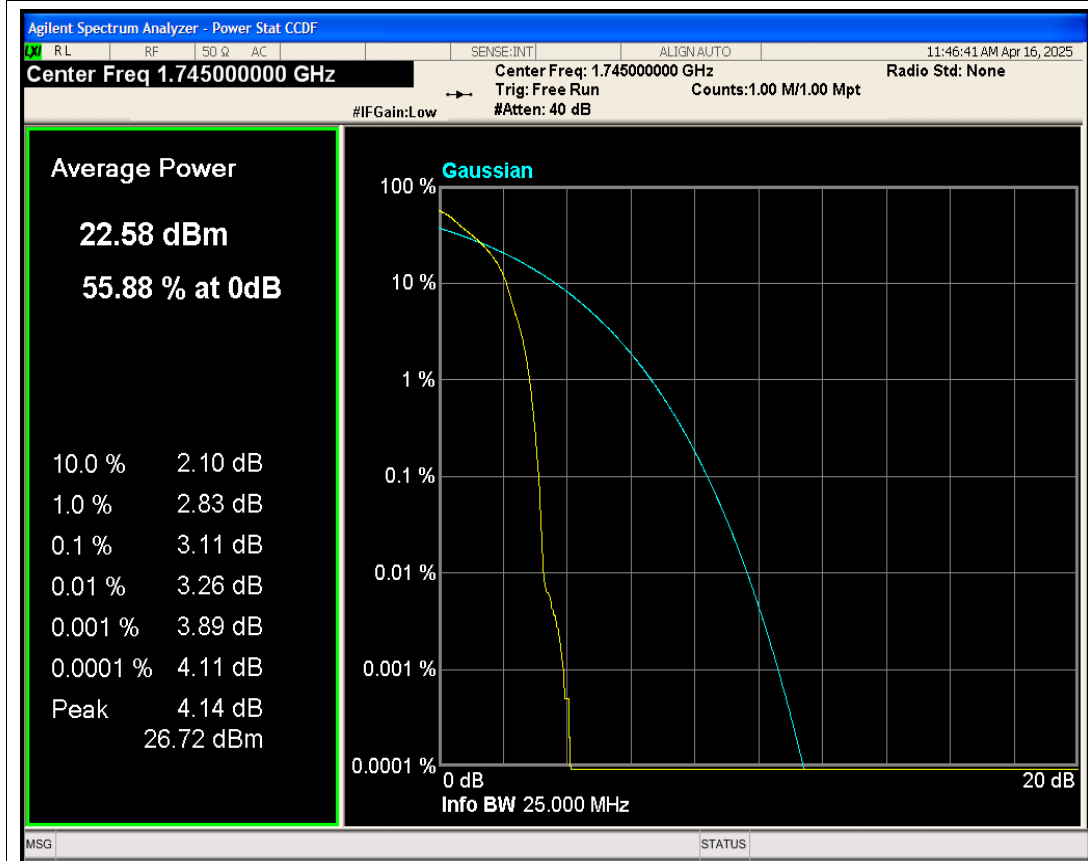
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

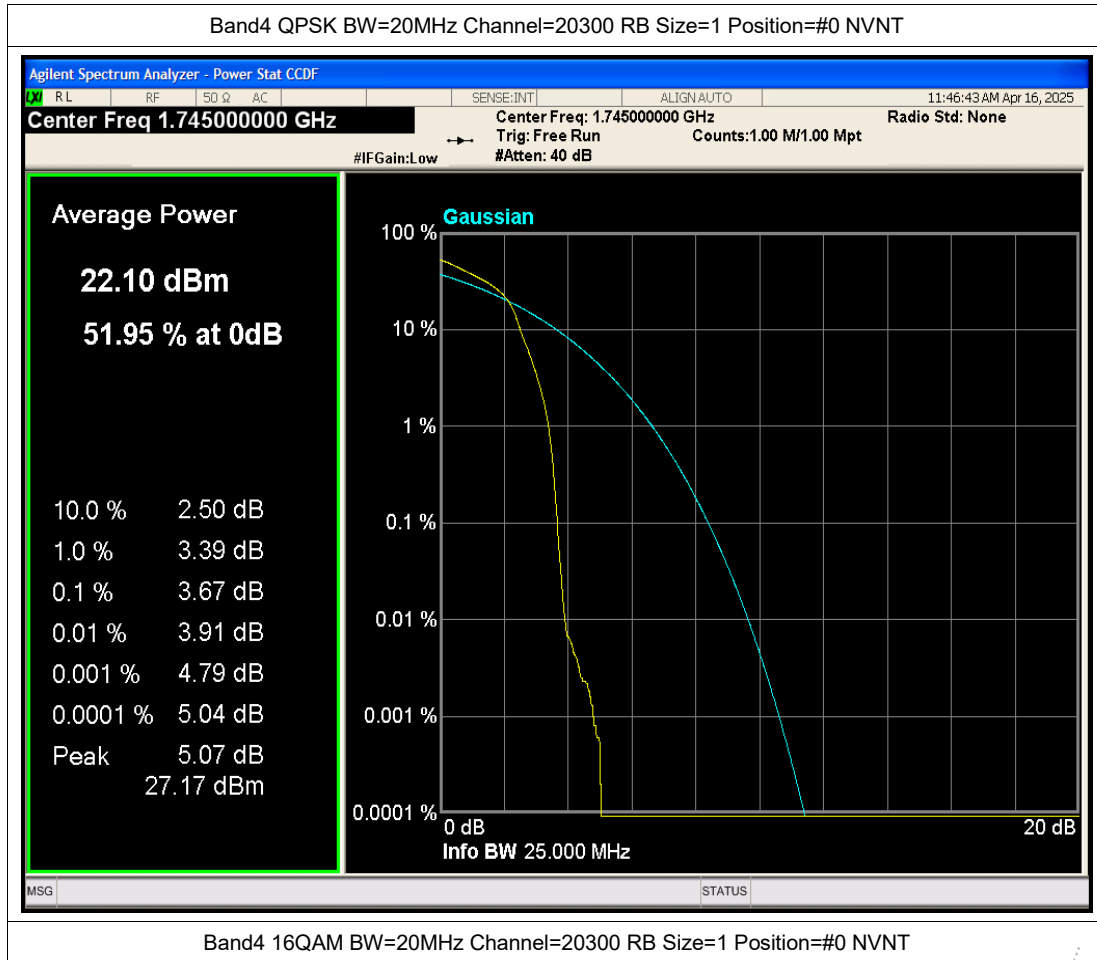






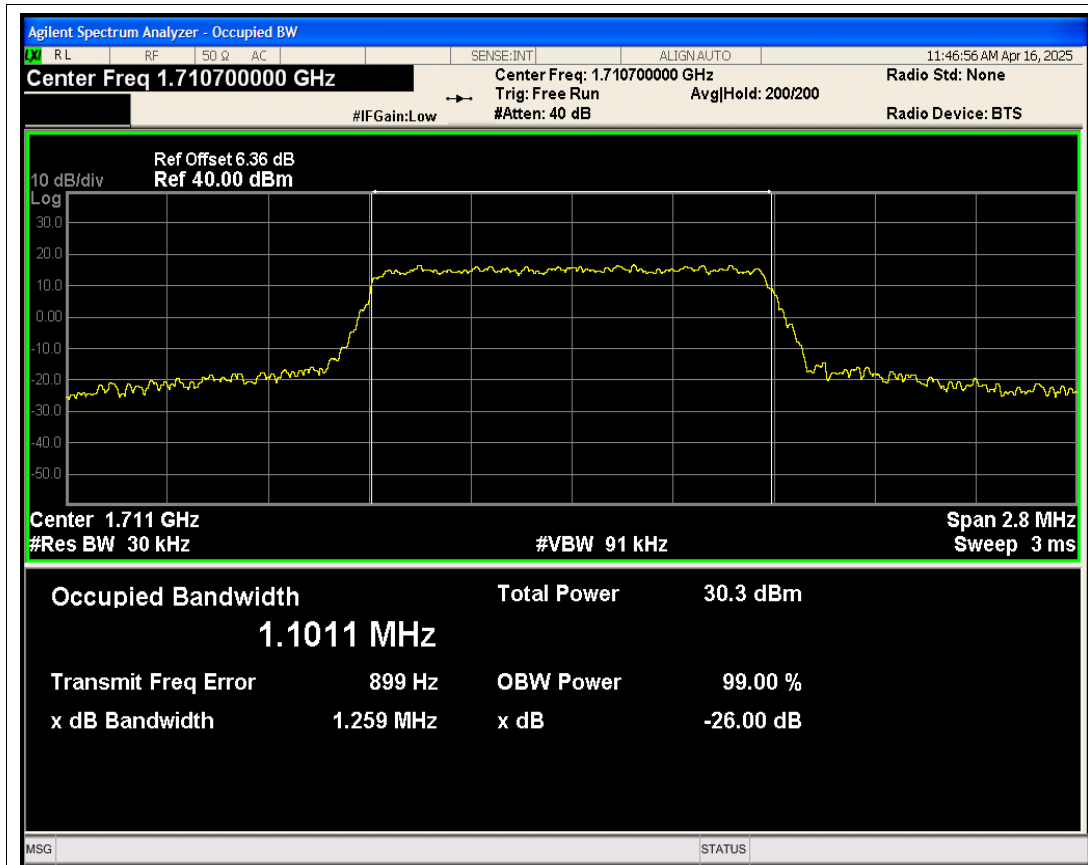
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



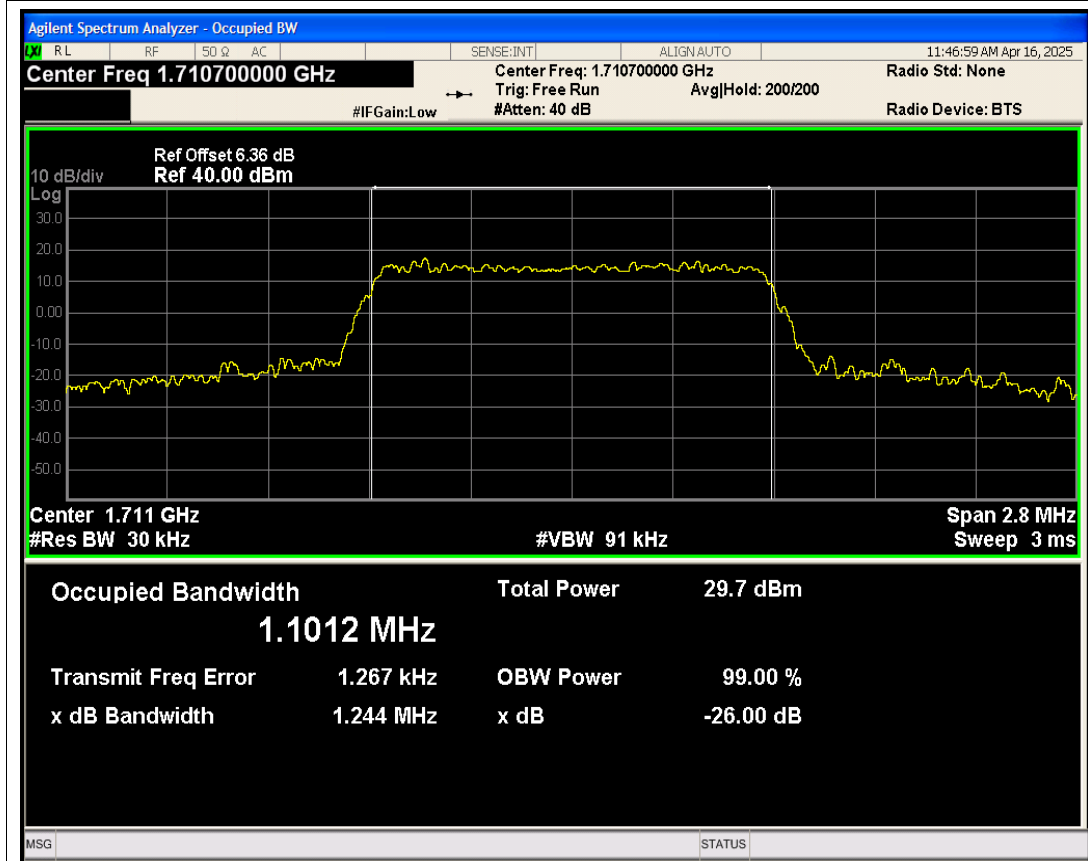


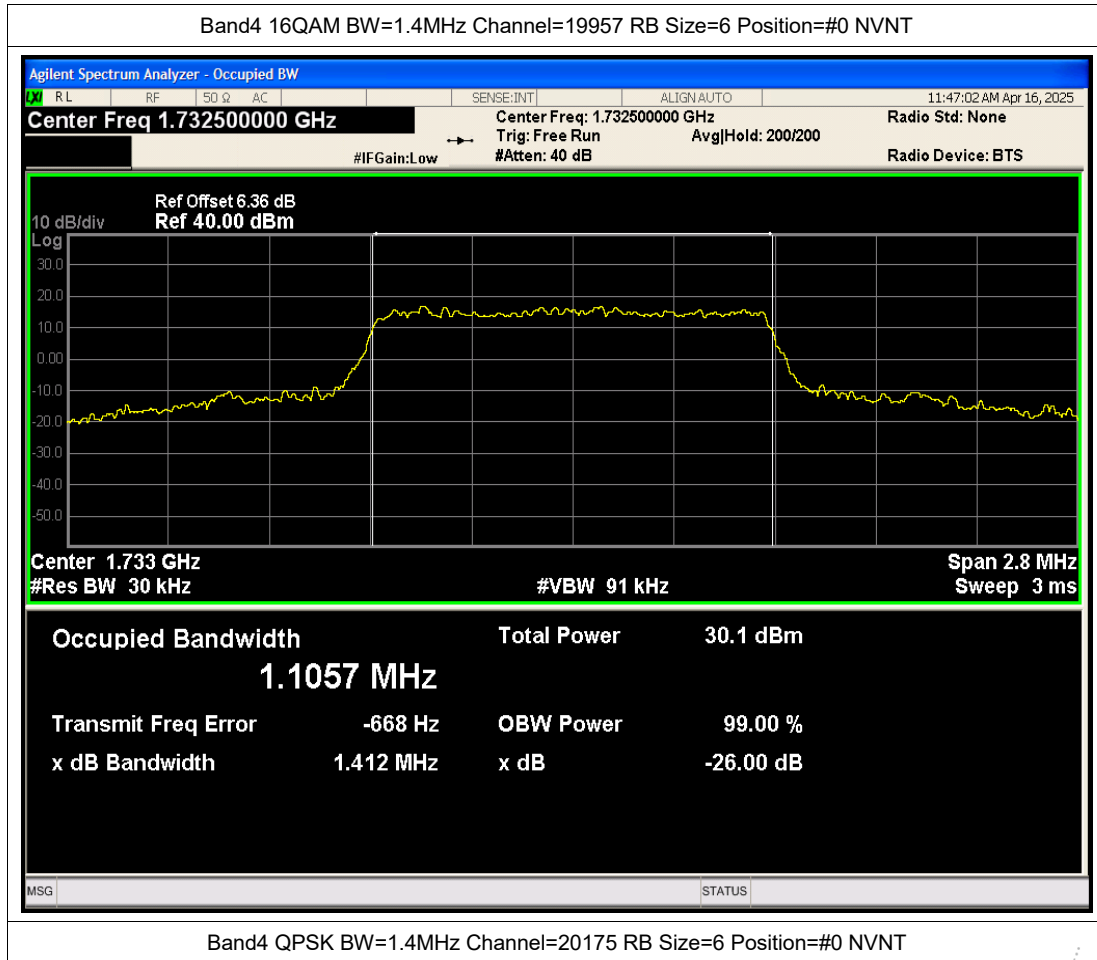
Appendix 4.Occupied bandwidth

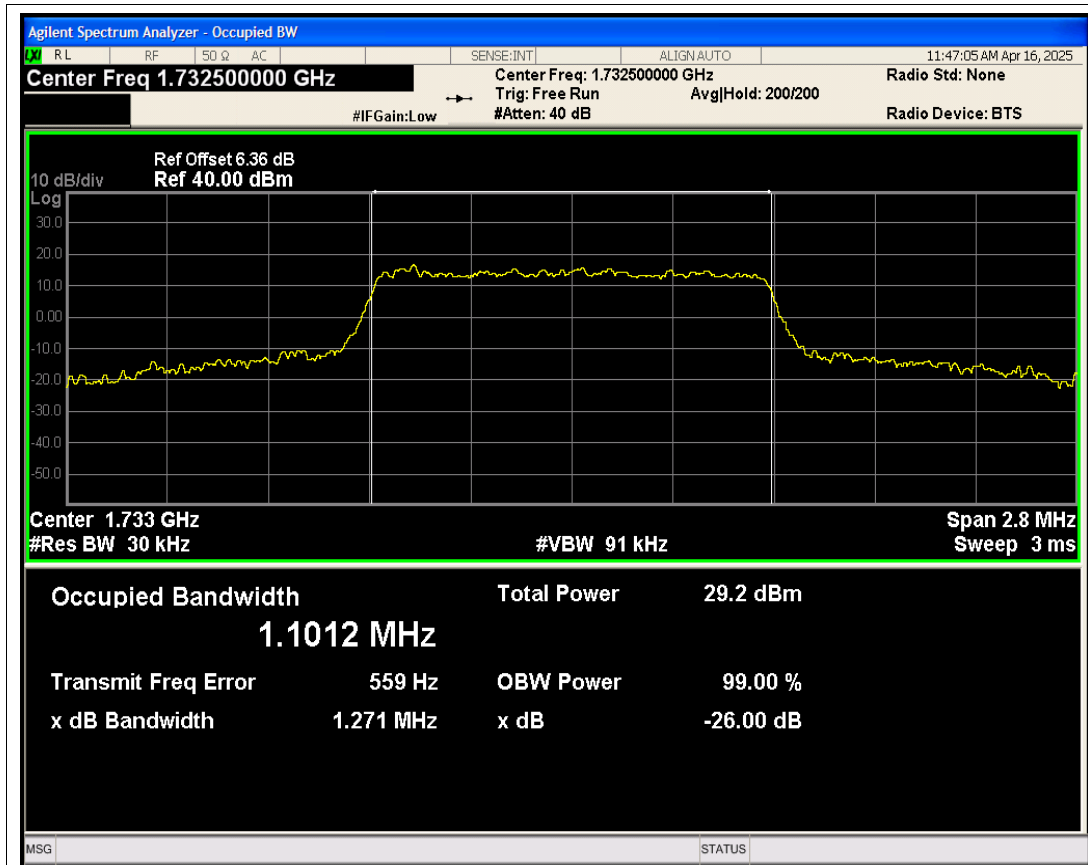
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.101	1.259	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.101	1.244	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.106	1.412	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.101	1.271	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.104	1.271	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.109	1.262	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.705	3.016	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.710	3.042	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.708	3.068	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.718	3.164	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.715	3.055	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.727	3.176	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.525	4.945	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.512	4.964	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.533	5.003	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.524	4.968	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.523	4.938	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.550	4.947	PASS
NVNT	Band4	10	20000	50	#0	QPSK	9.009	9.927	PASS
NVNT	Band4	10	20000	50	#0	16QAM	9.026	9.784	PASS
NVNT	Band4	10	20175	50	#0	QPSK	9.003	9.779	PASS
NVNT	Band4	10	20175	50	#0	16QAM	9.024	9.890	PASS
NVNT	Band4	10	20350	50	#0	QPSK	9.002	10.011	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.009	9.908	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.508	14.932	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.487	14.756	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.469	14.851	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.476	14.973	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.451	14.887	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.505	14.756	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.006	19.491	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.058	19.505	PASS
NVNT	Band4	20	20175	100	#0	QPSK	17.958	19.728	PASS
NVNT	Band4	20	20175	100	#0	16QAM	18.052	19.693	PASS
NVNT	Band4	20	20300	100	#0	QPSK	18.106	19.704	PASS
NVNT	Band4	20	20300	100	#0	16QAM	18.056	19.743	PASS



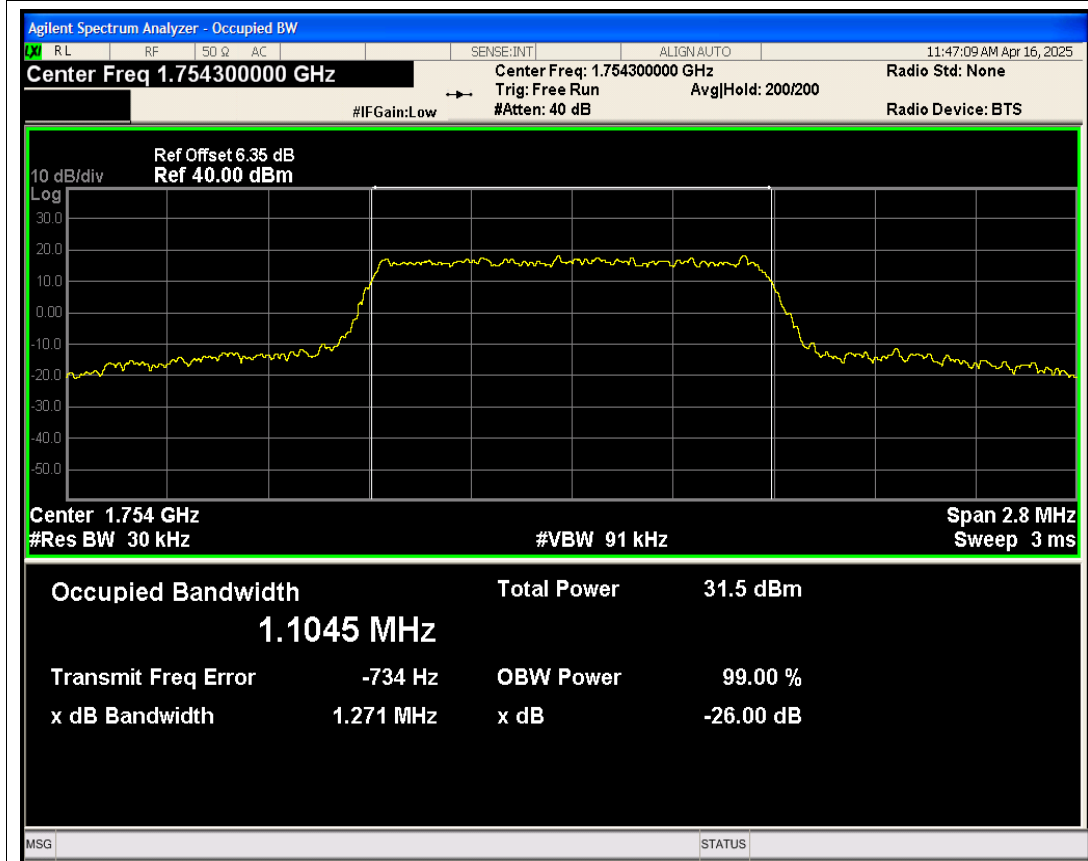
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

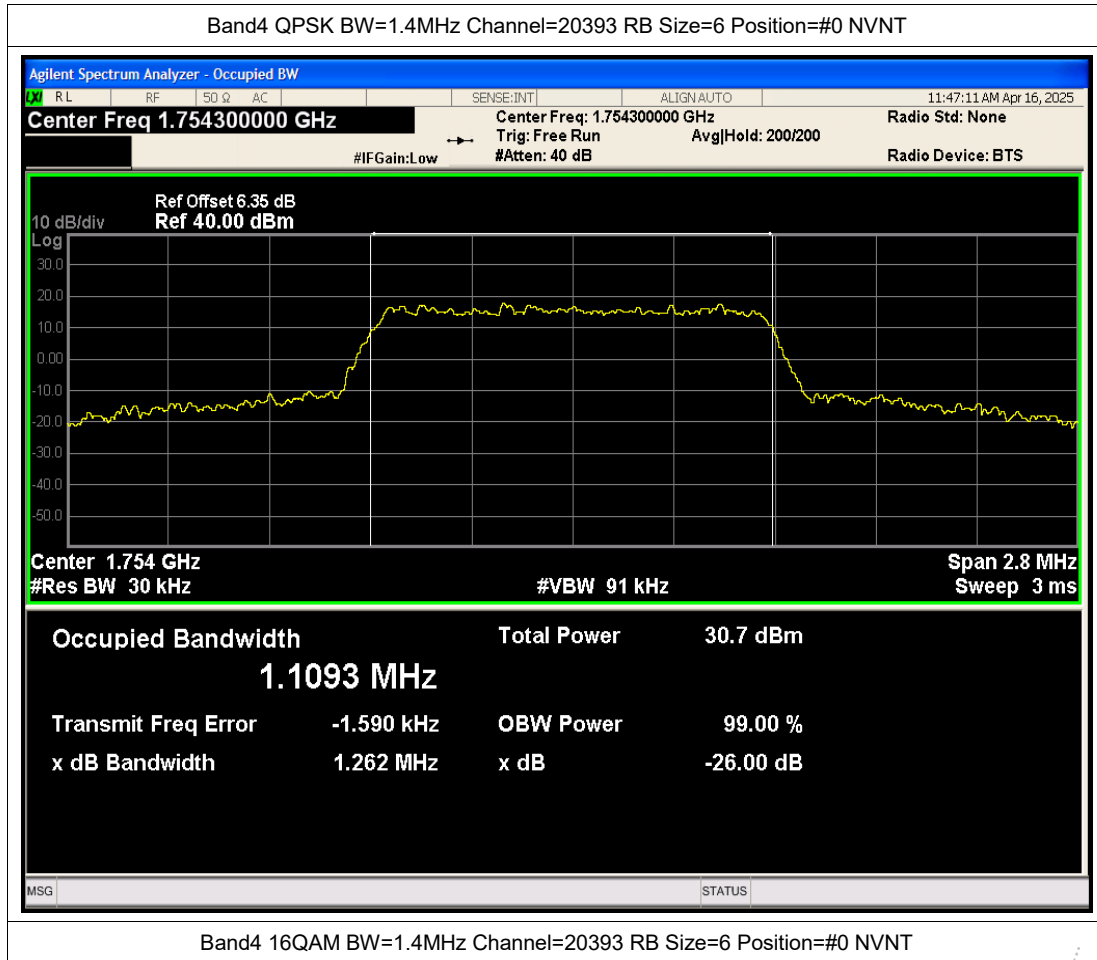


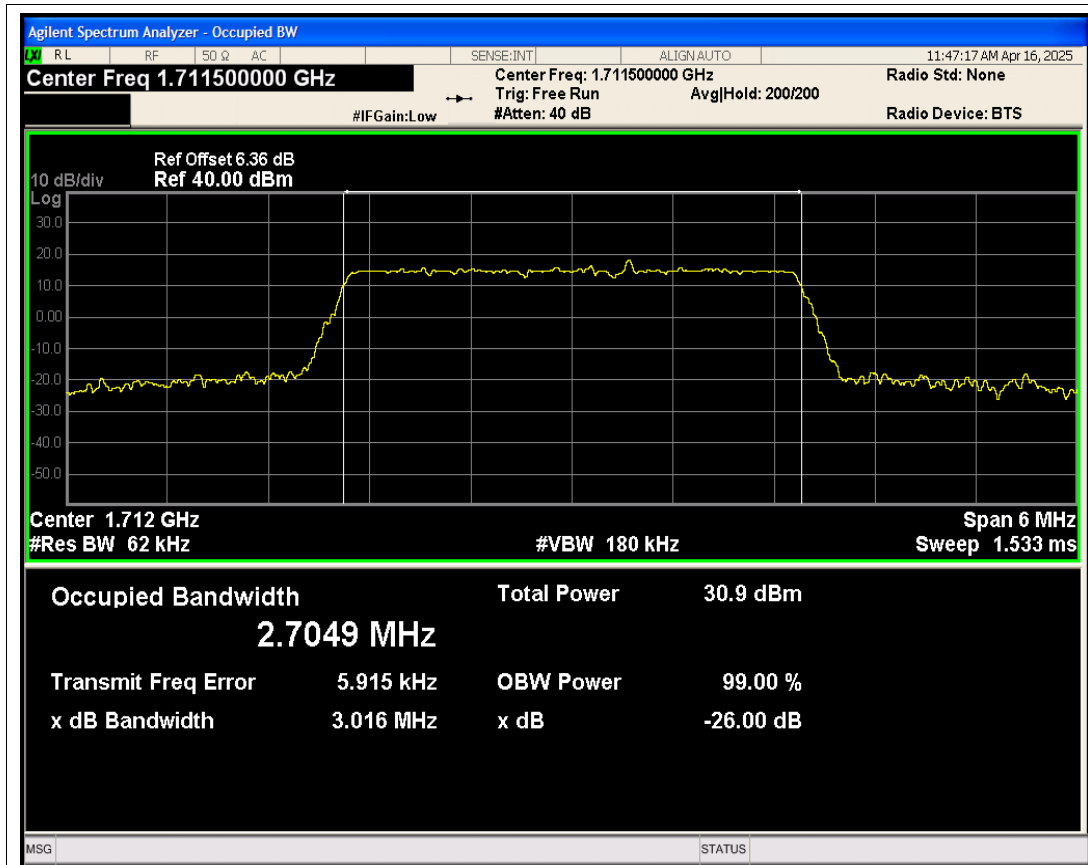




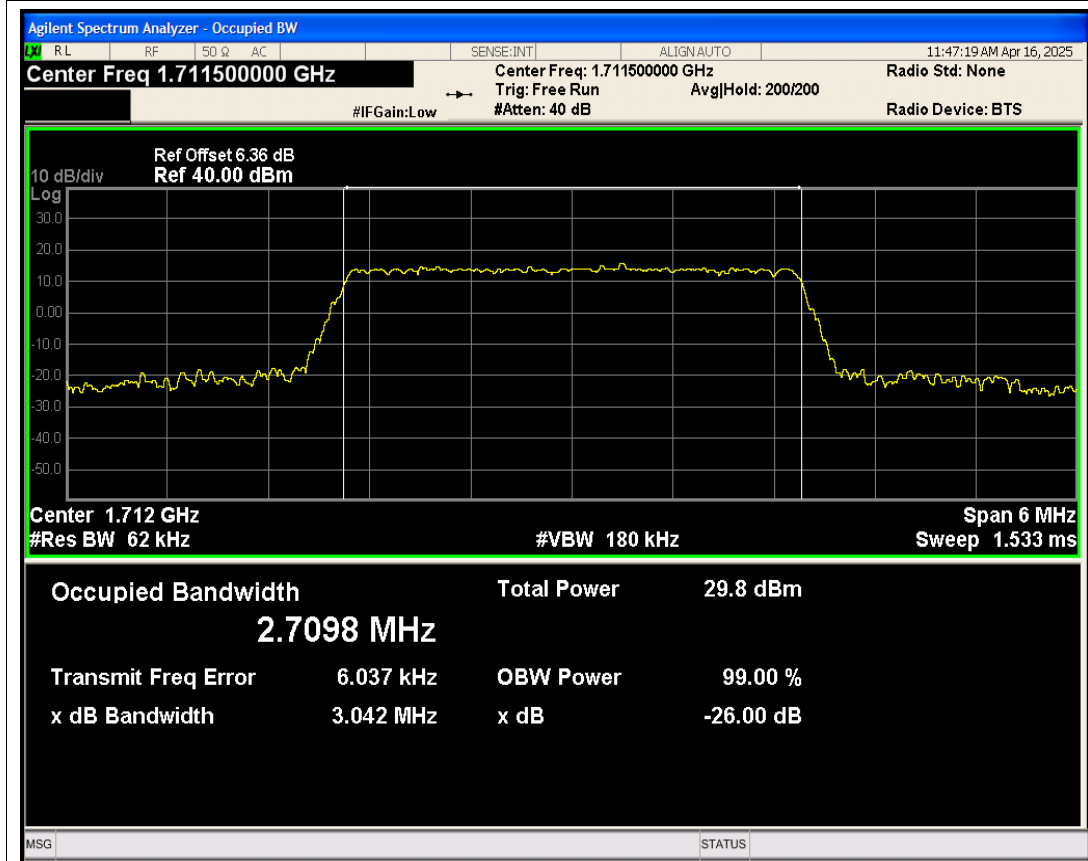
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

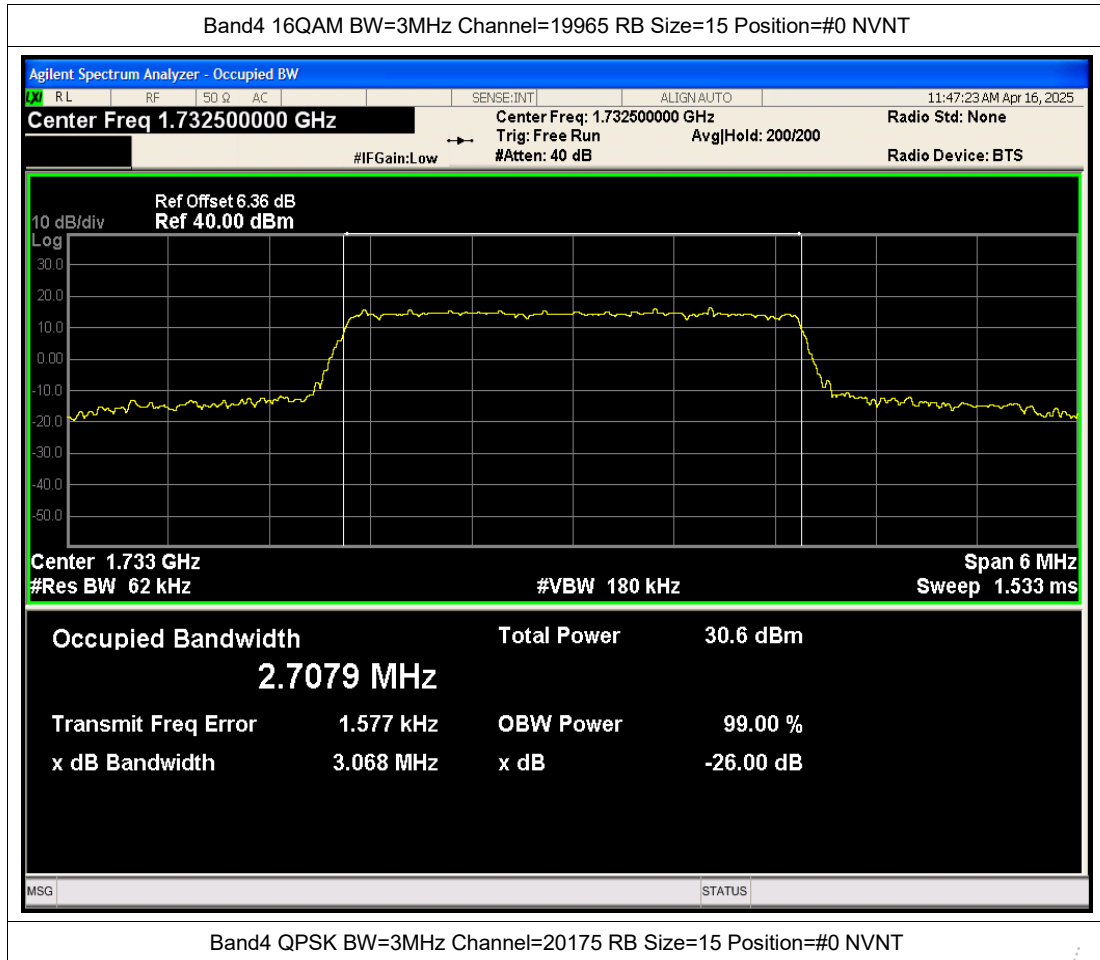


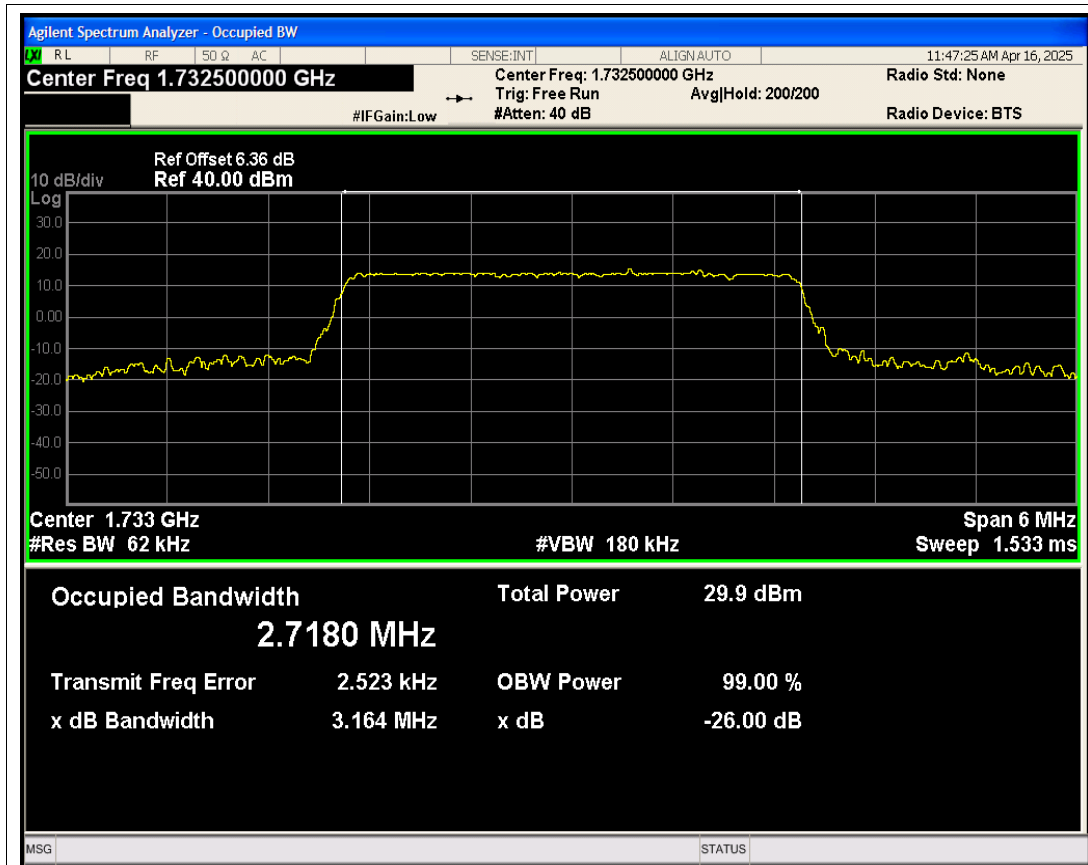




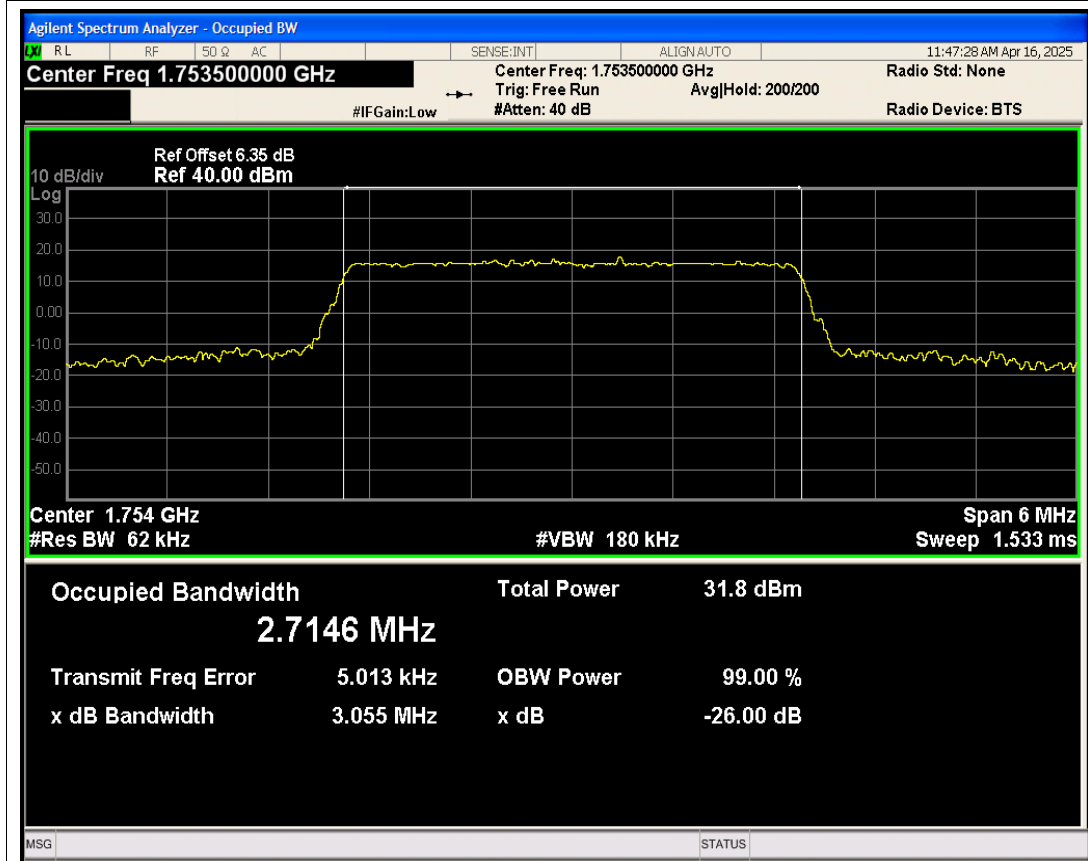
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT





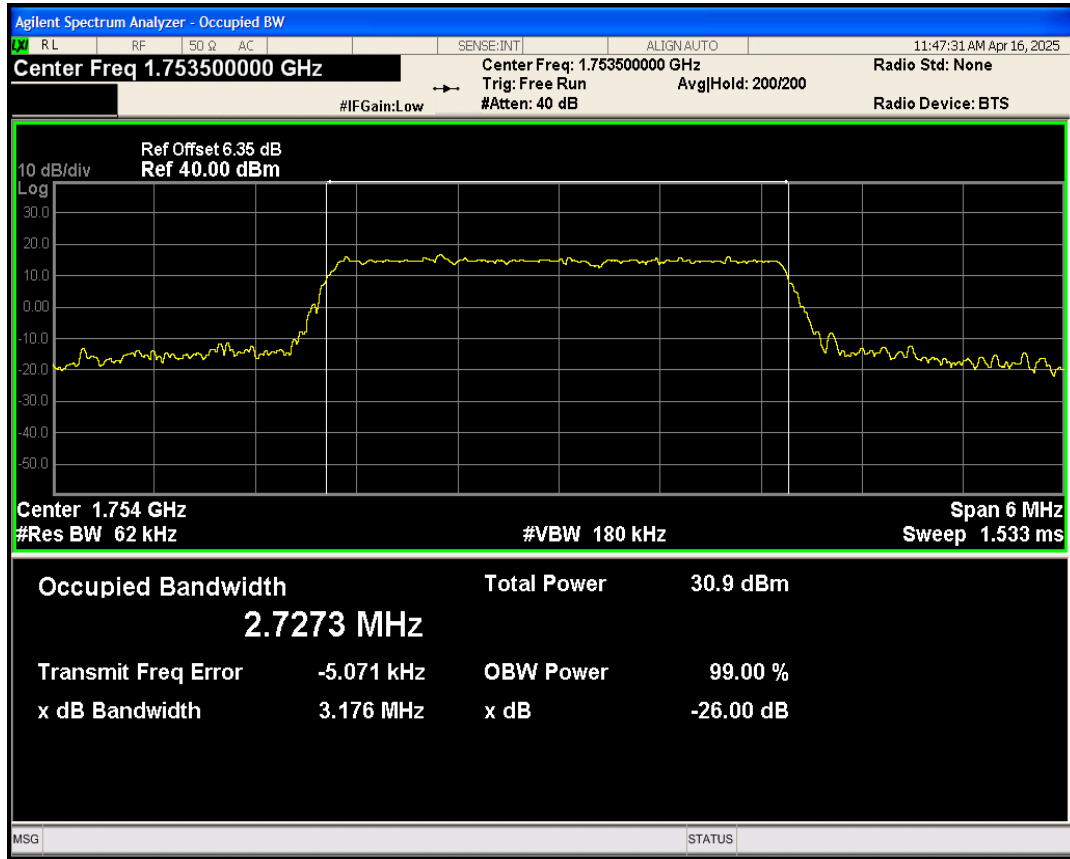


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT

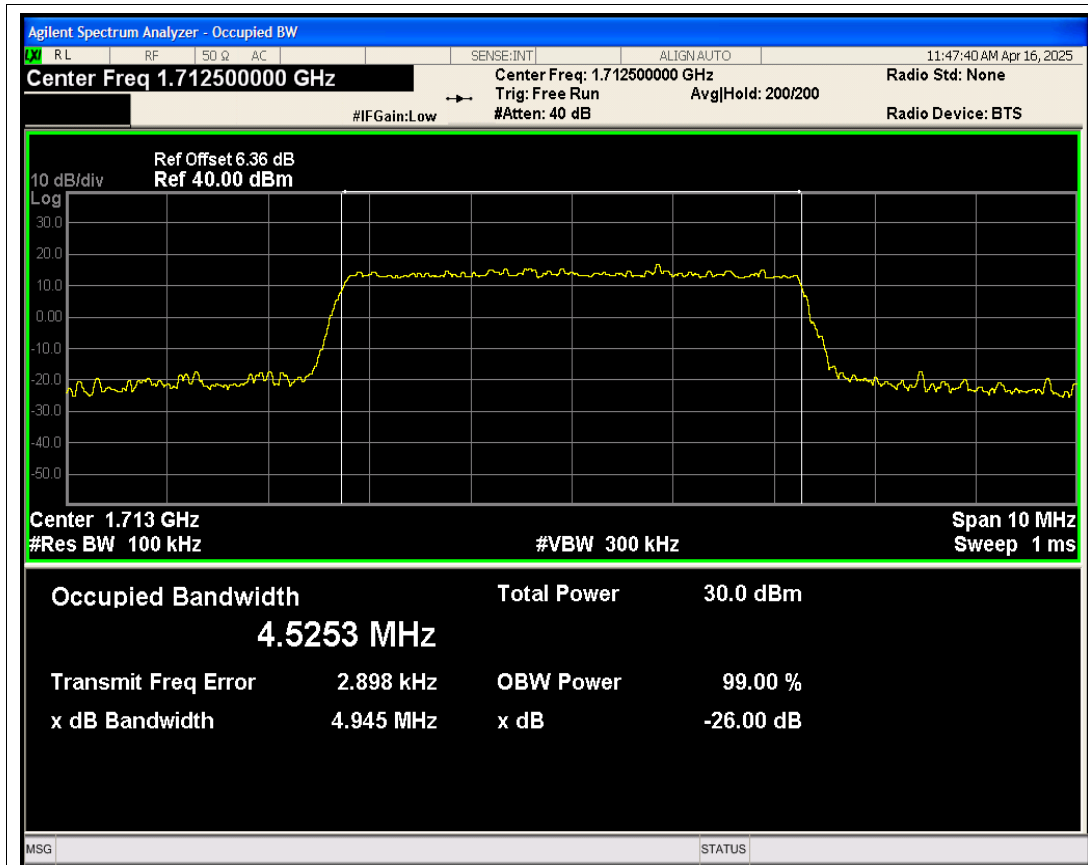




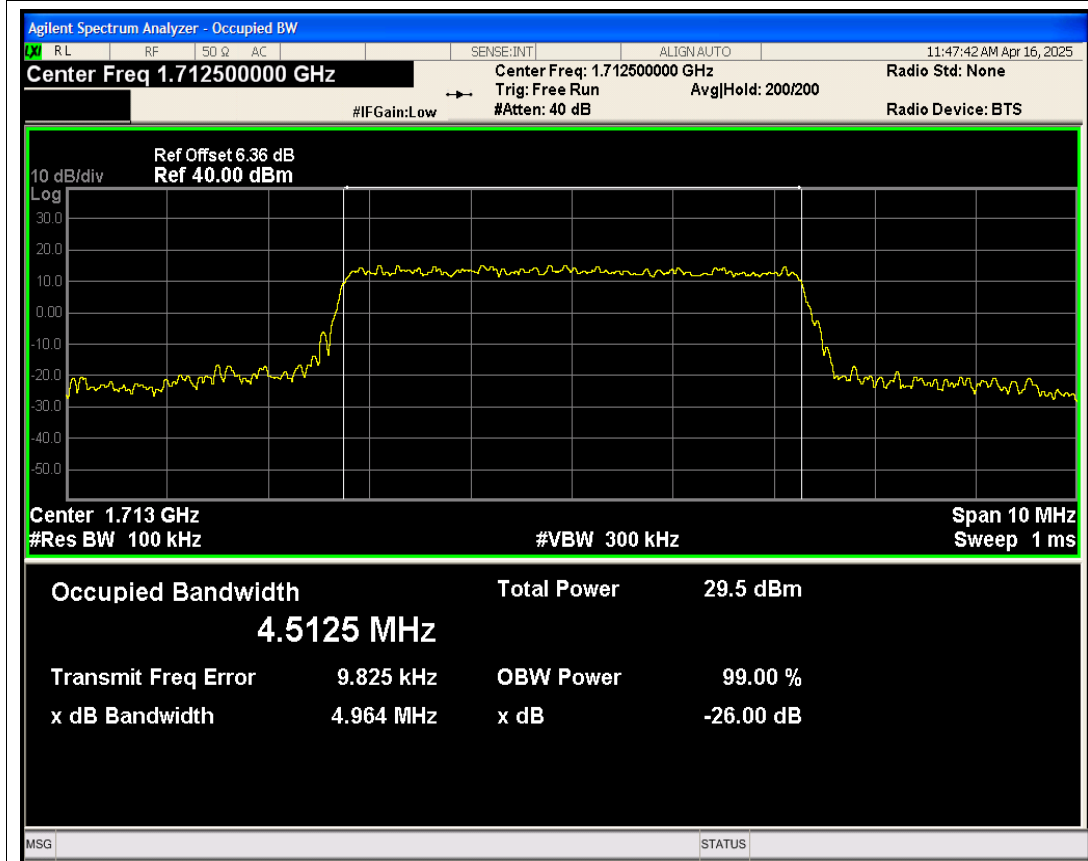
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

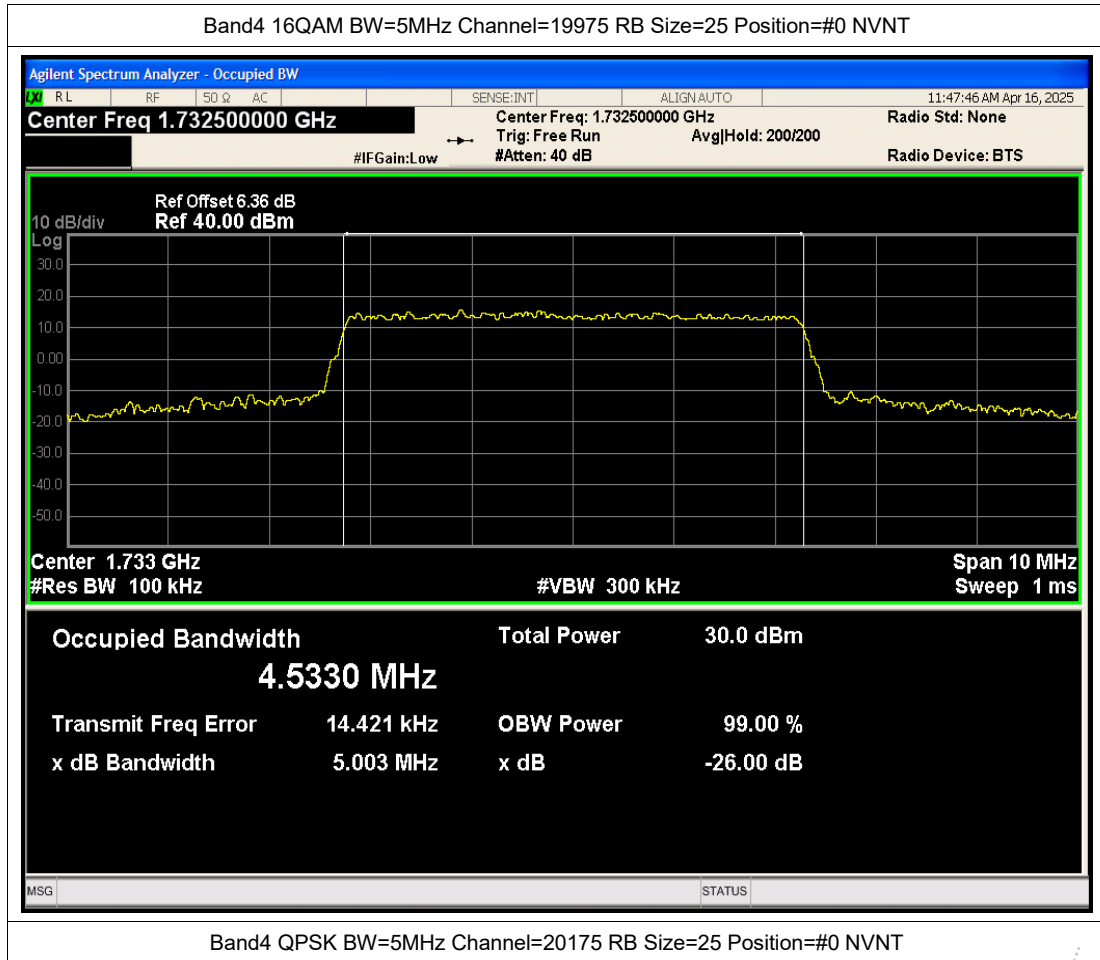


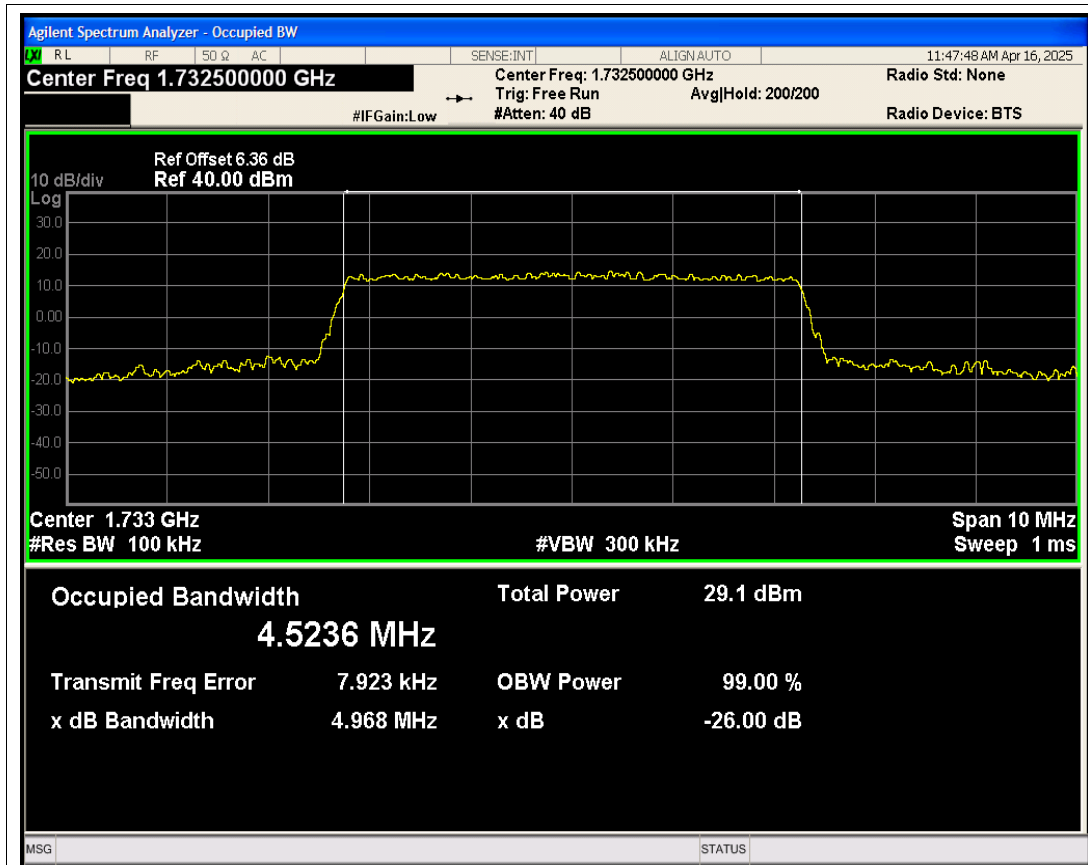
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



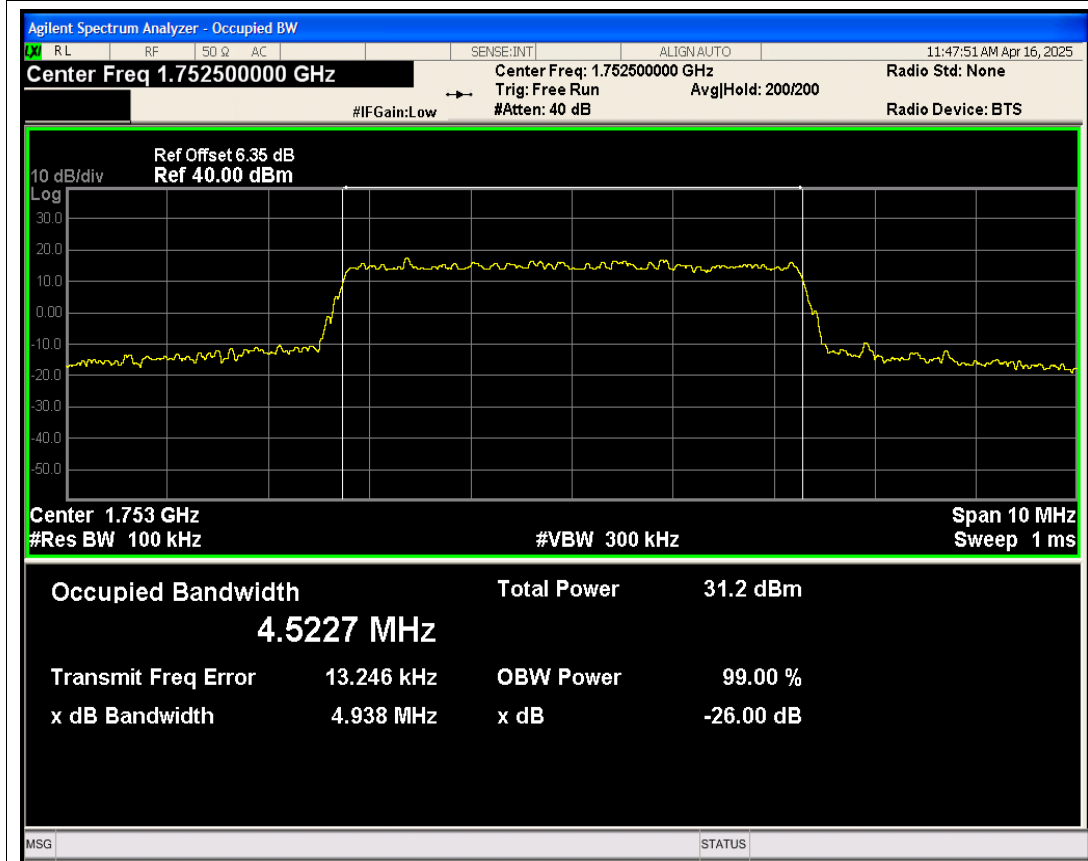
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

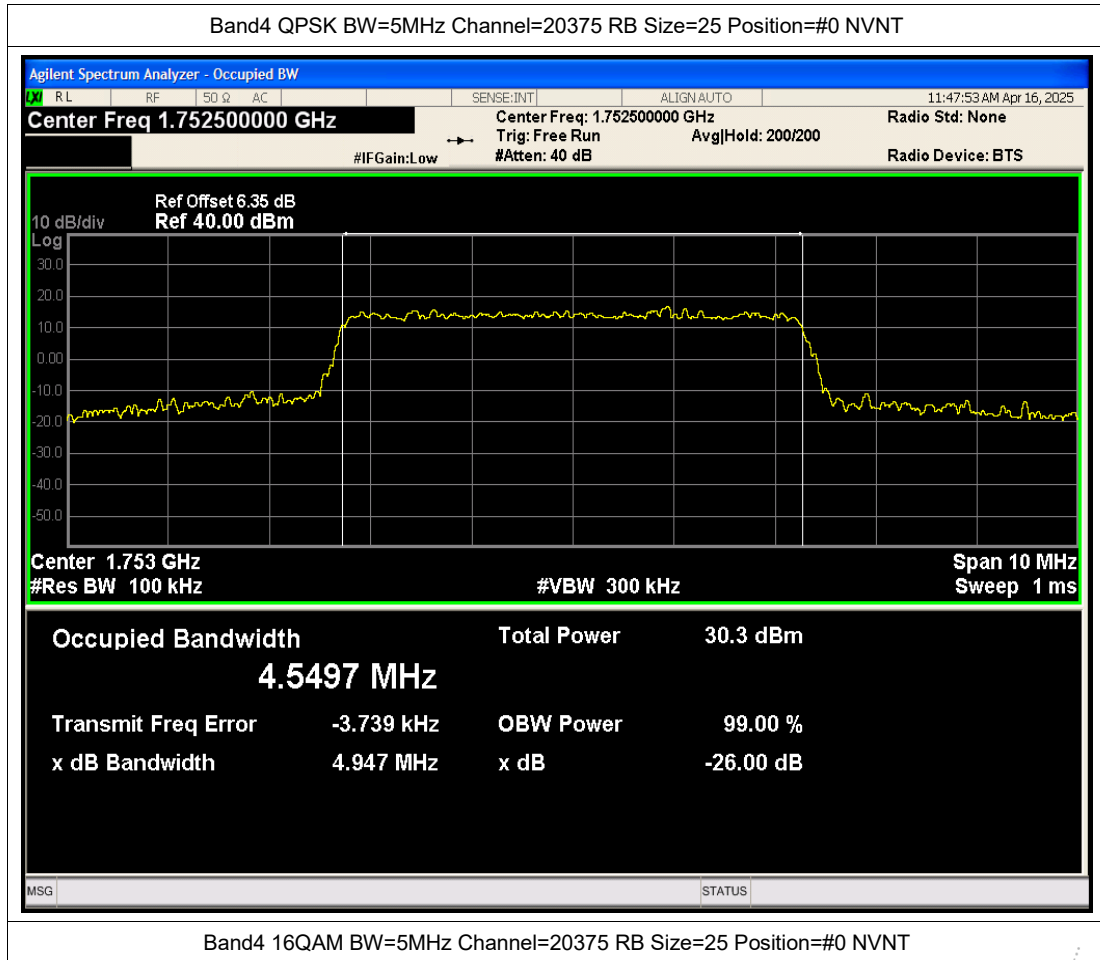


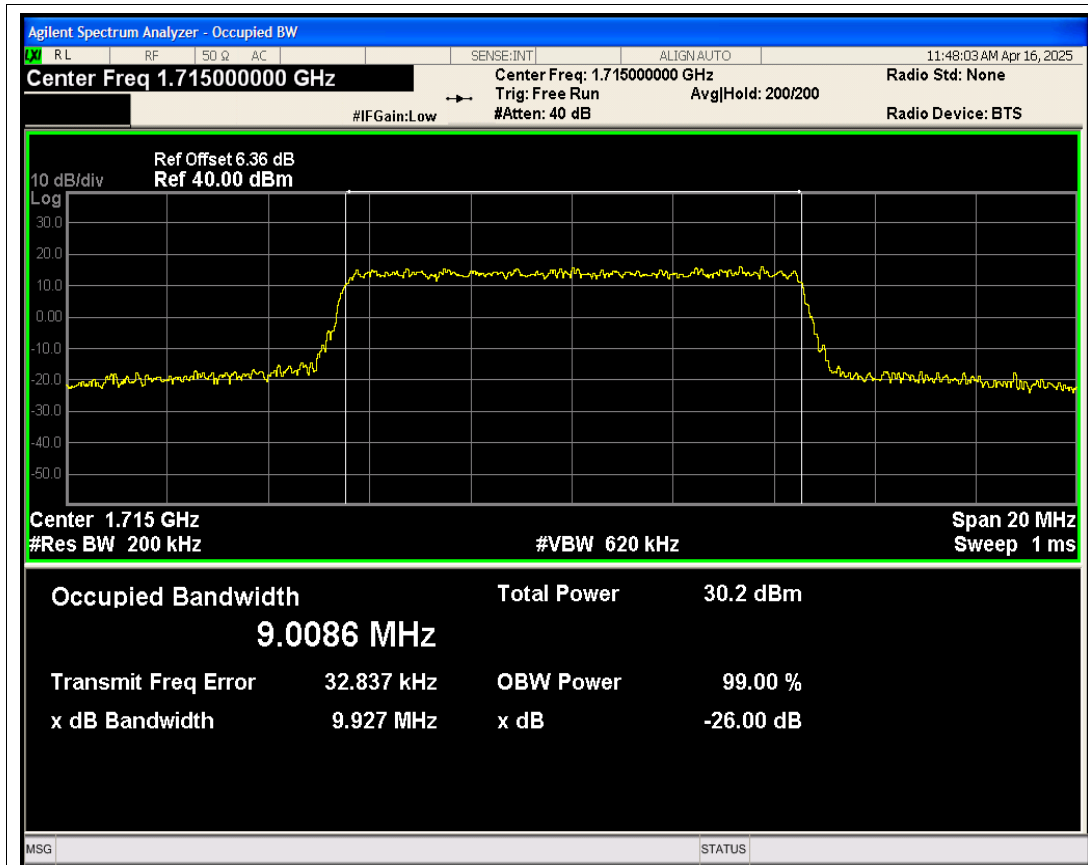




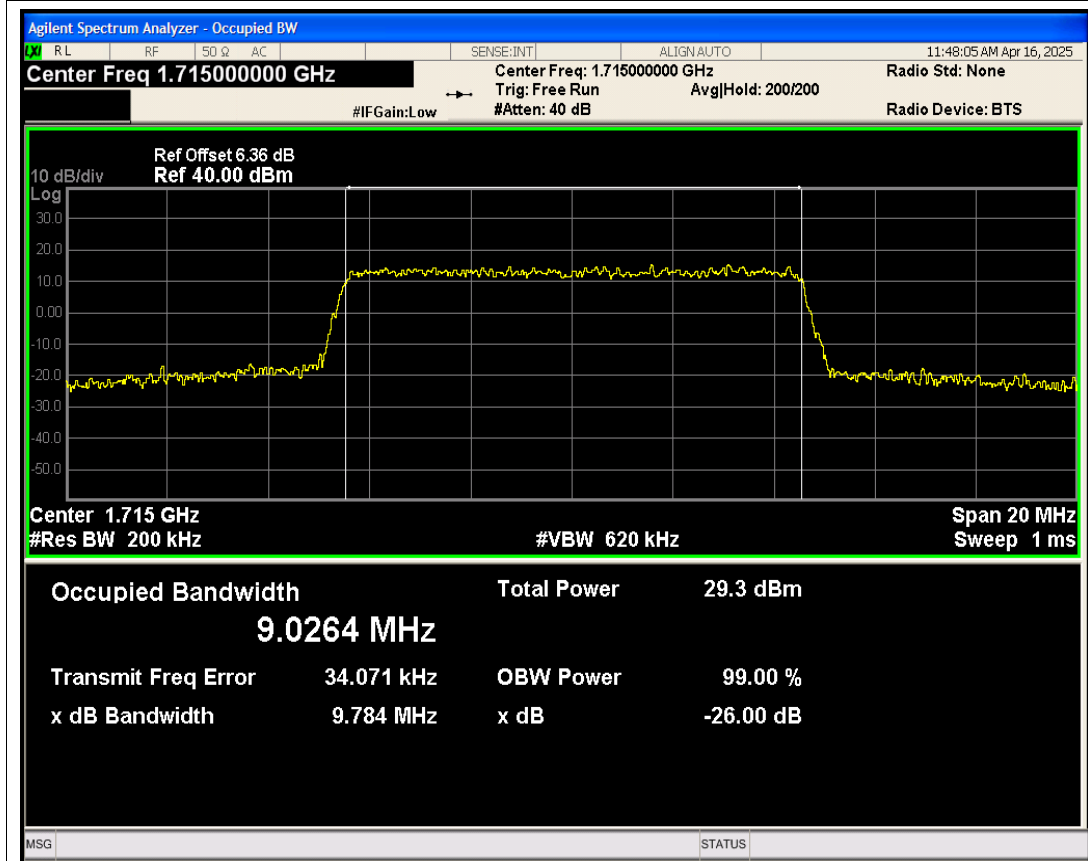
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

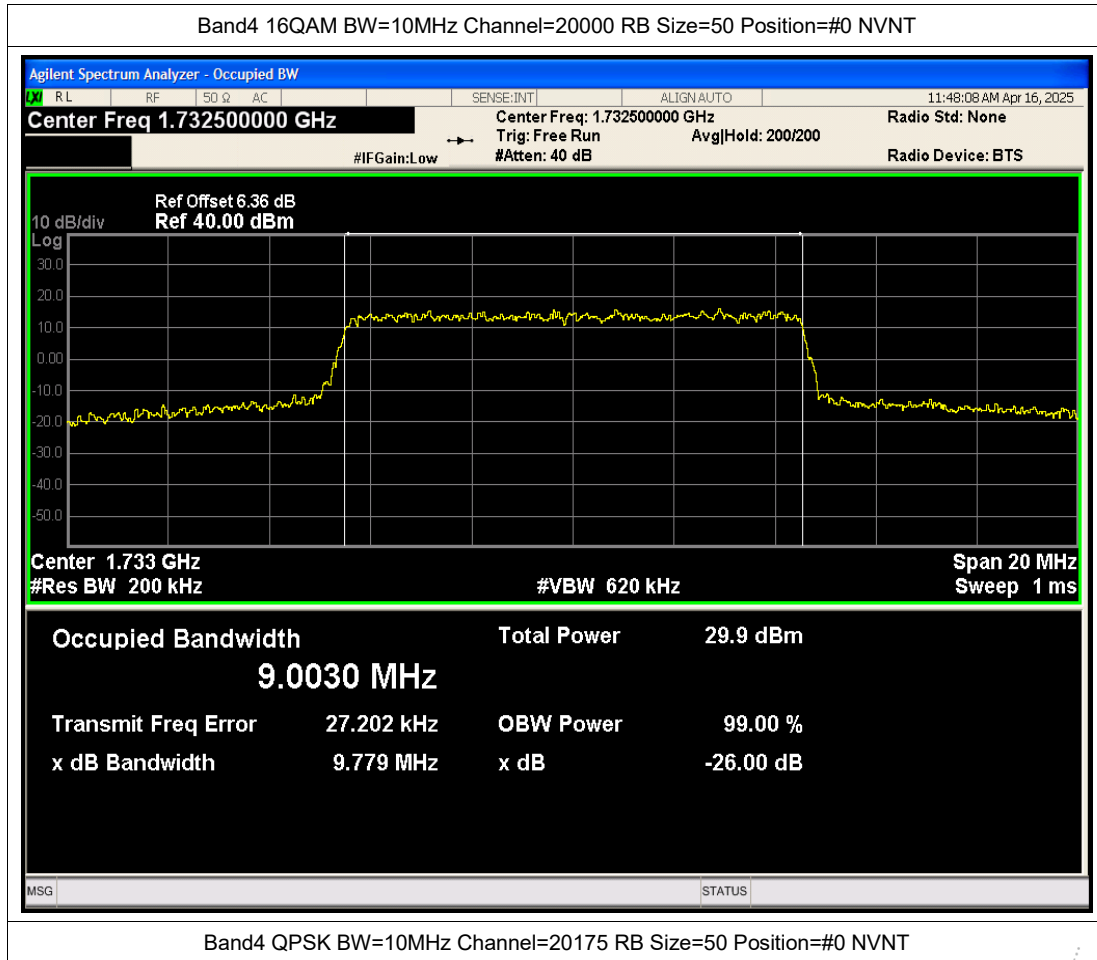


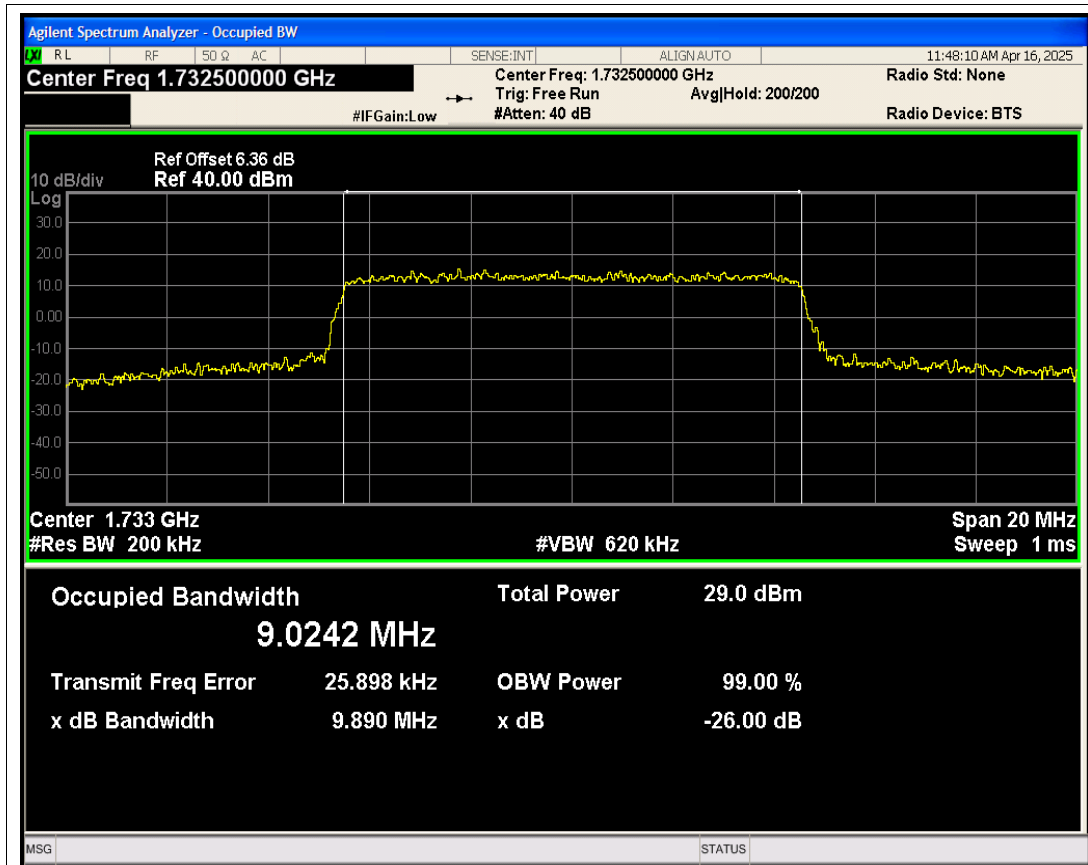




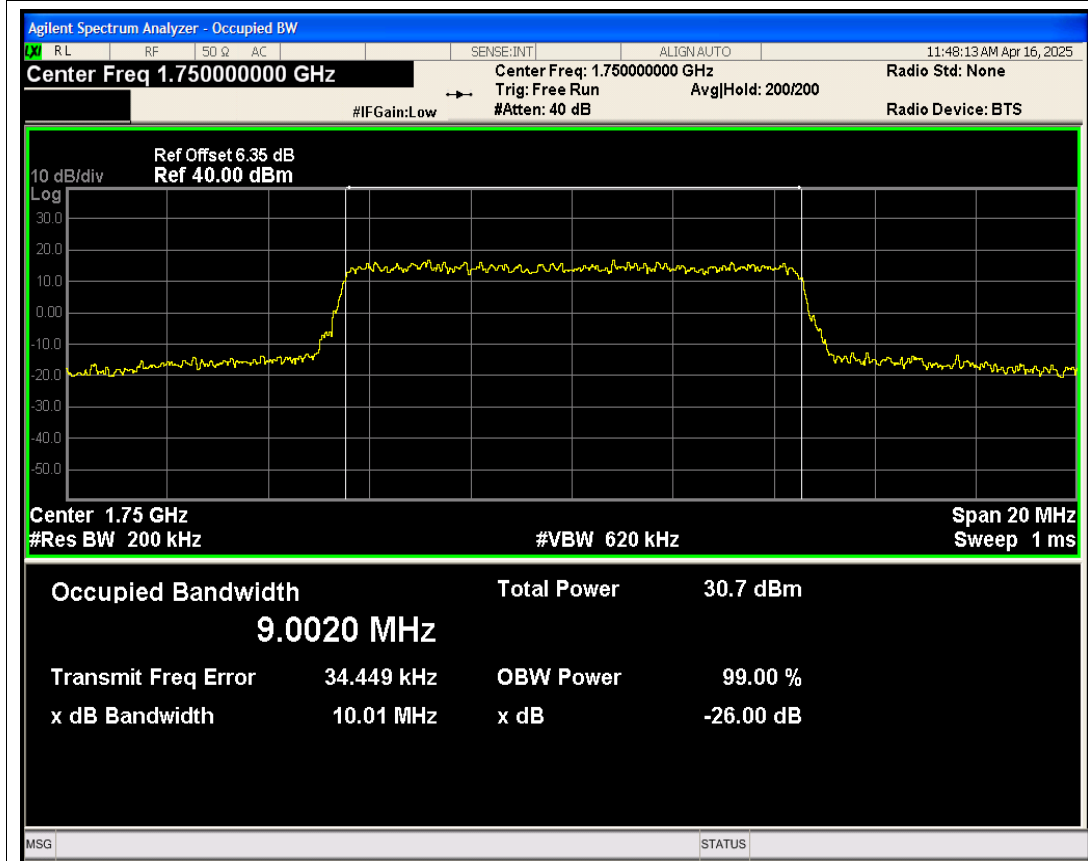
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

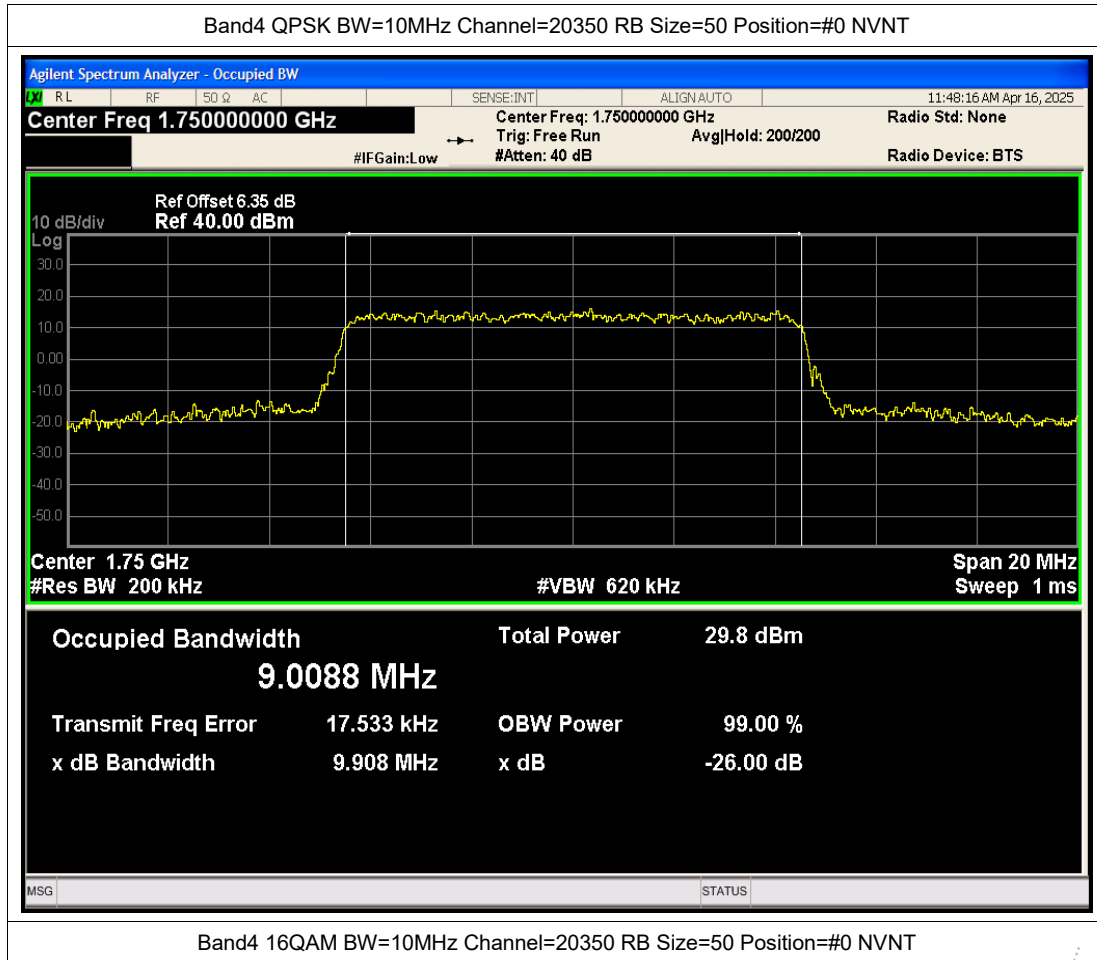


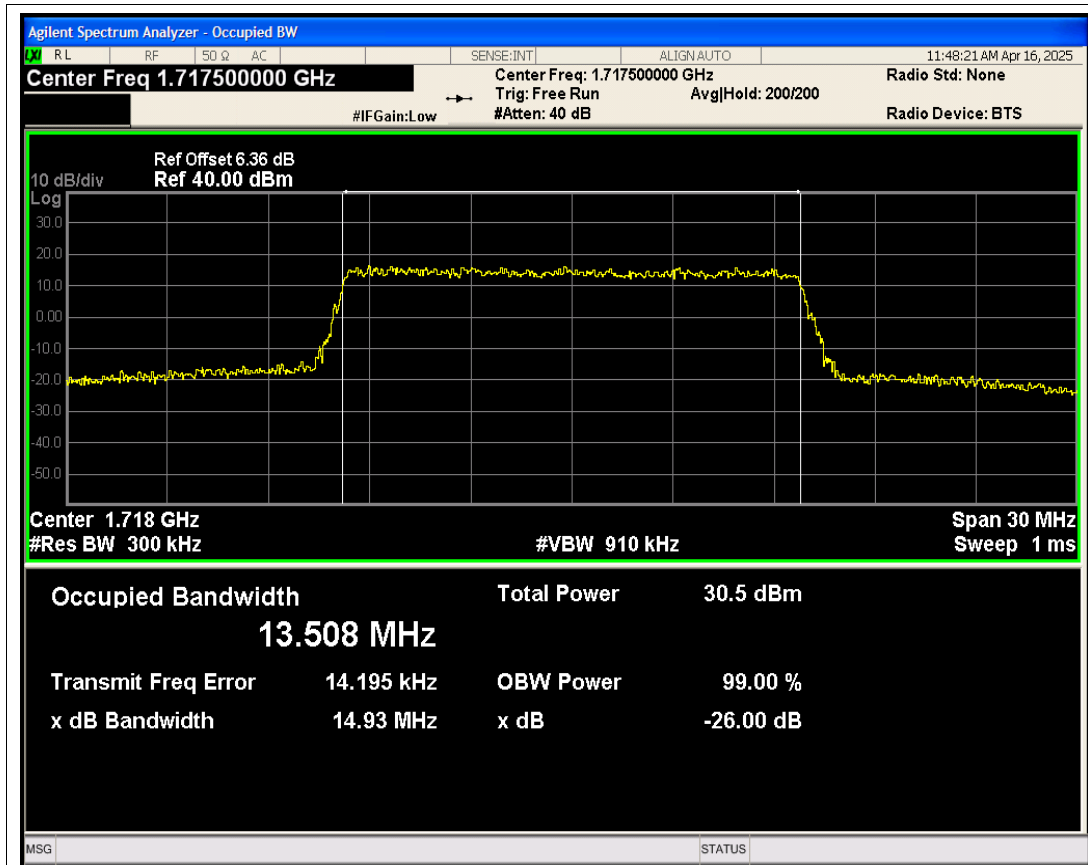




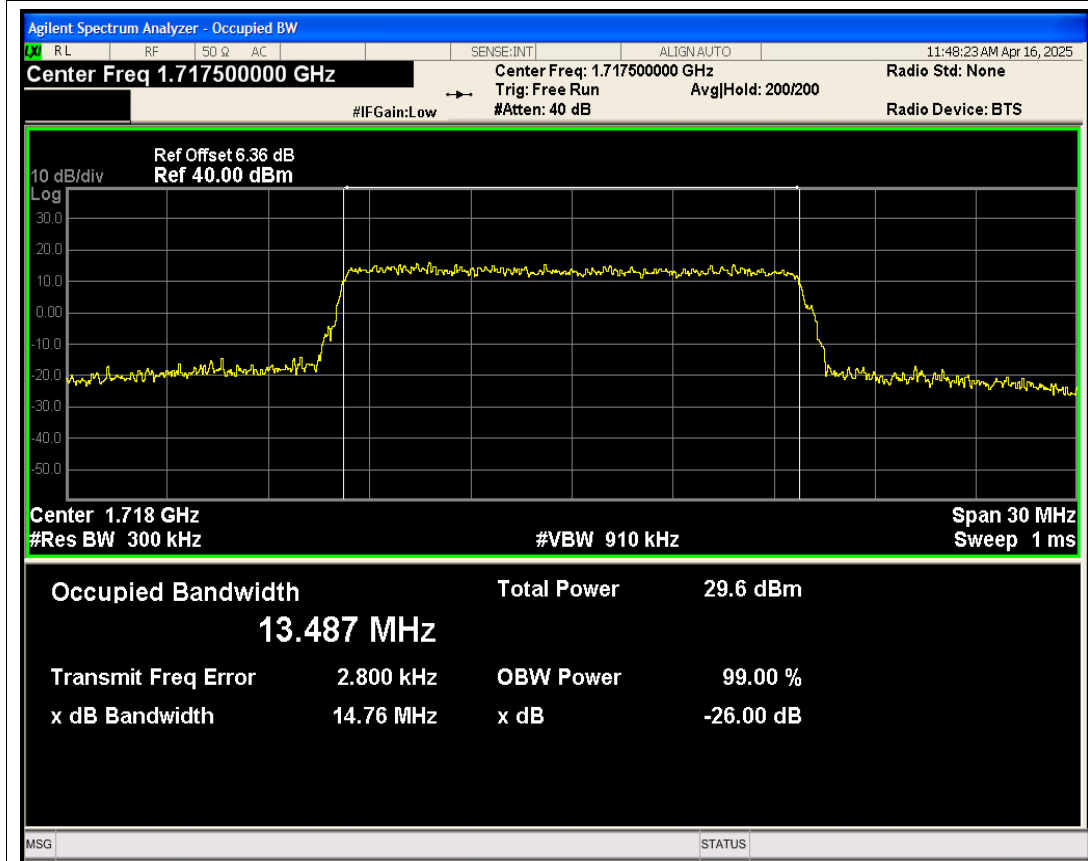
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

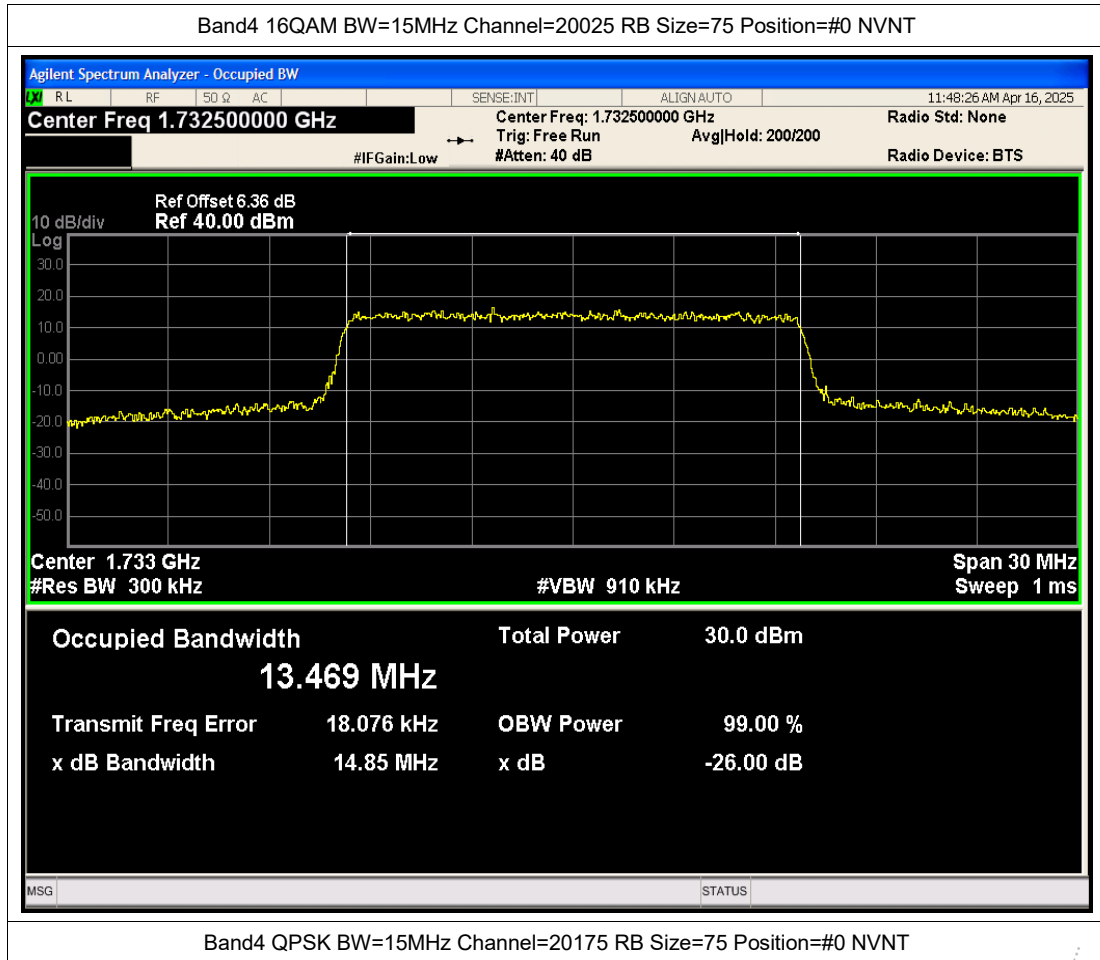


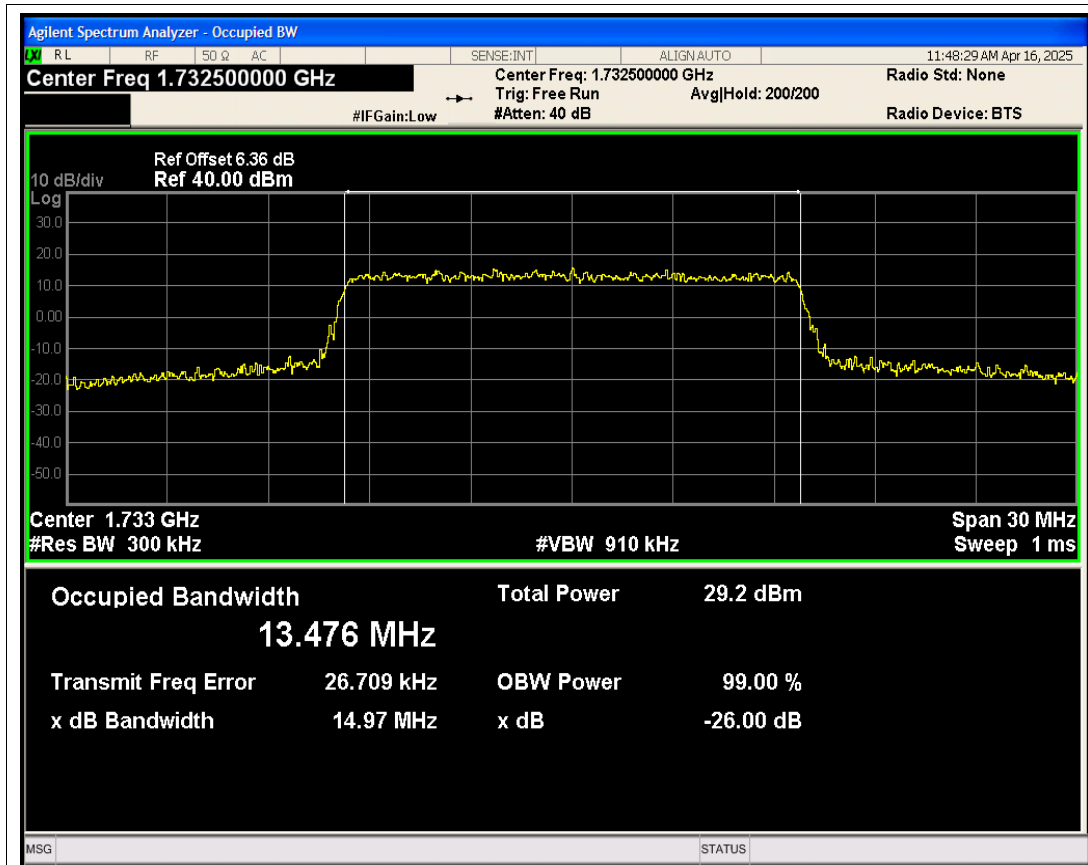




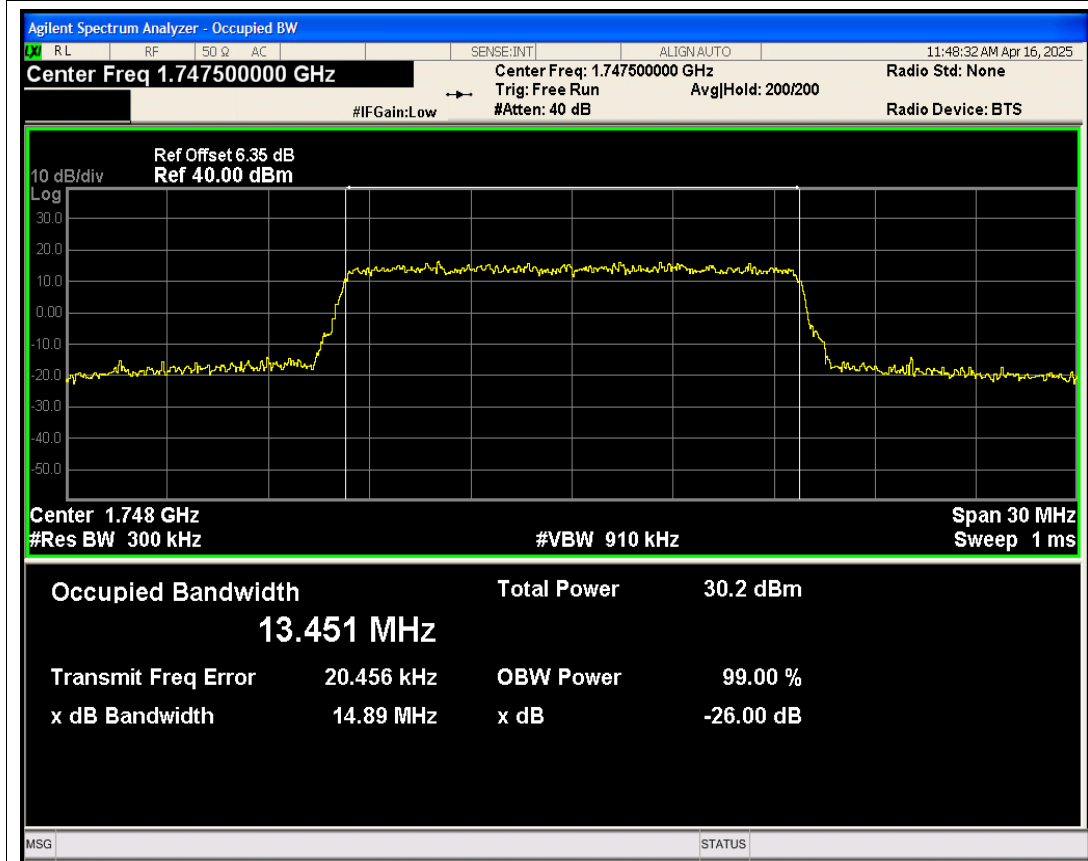
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT





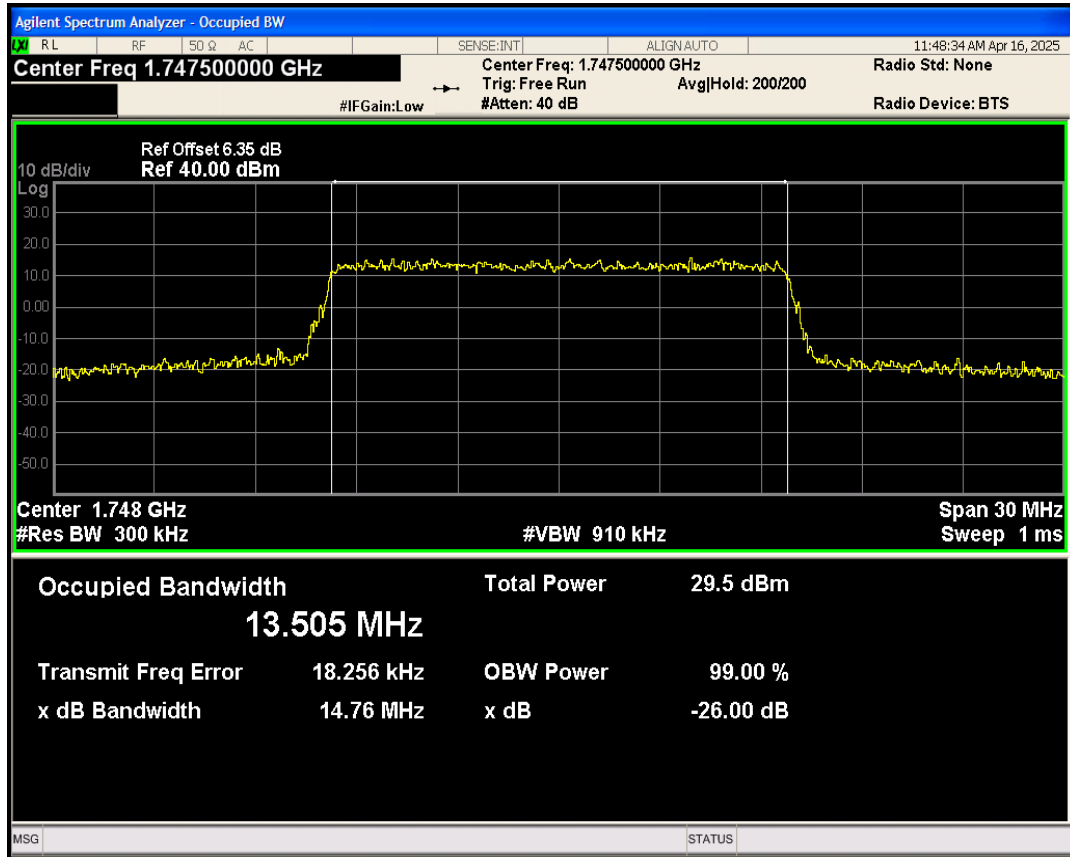


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

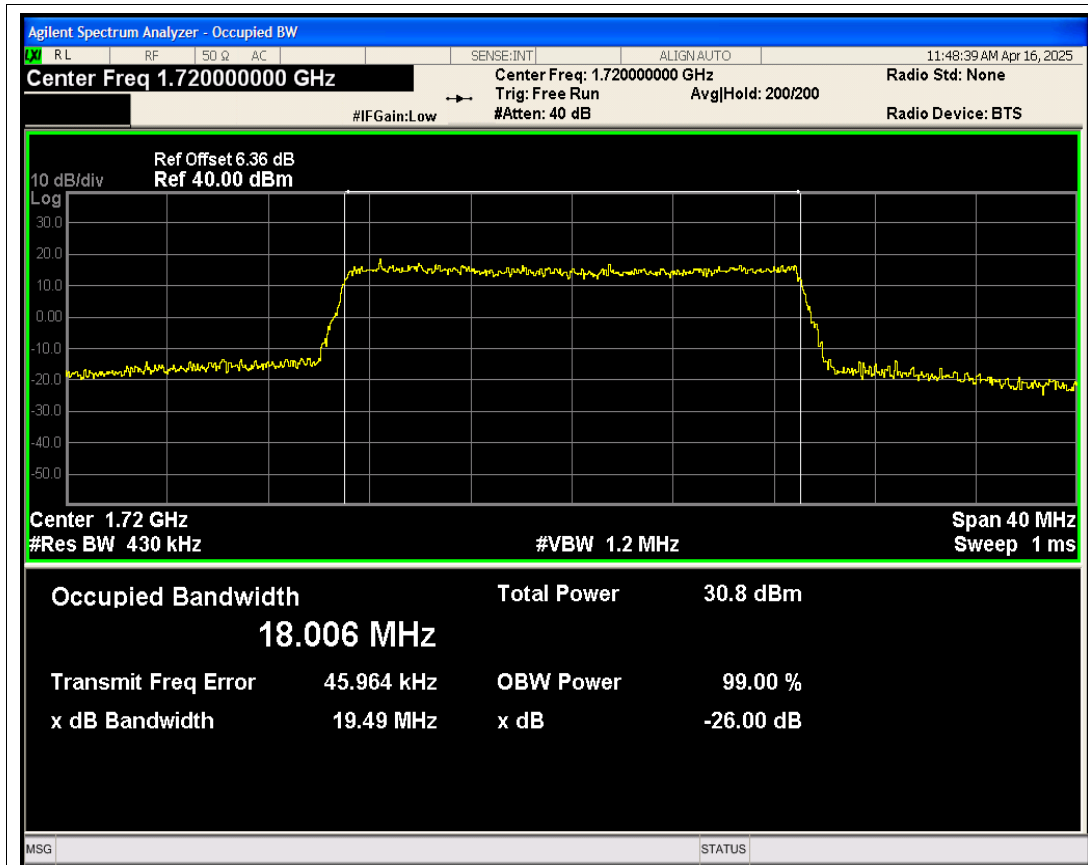




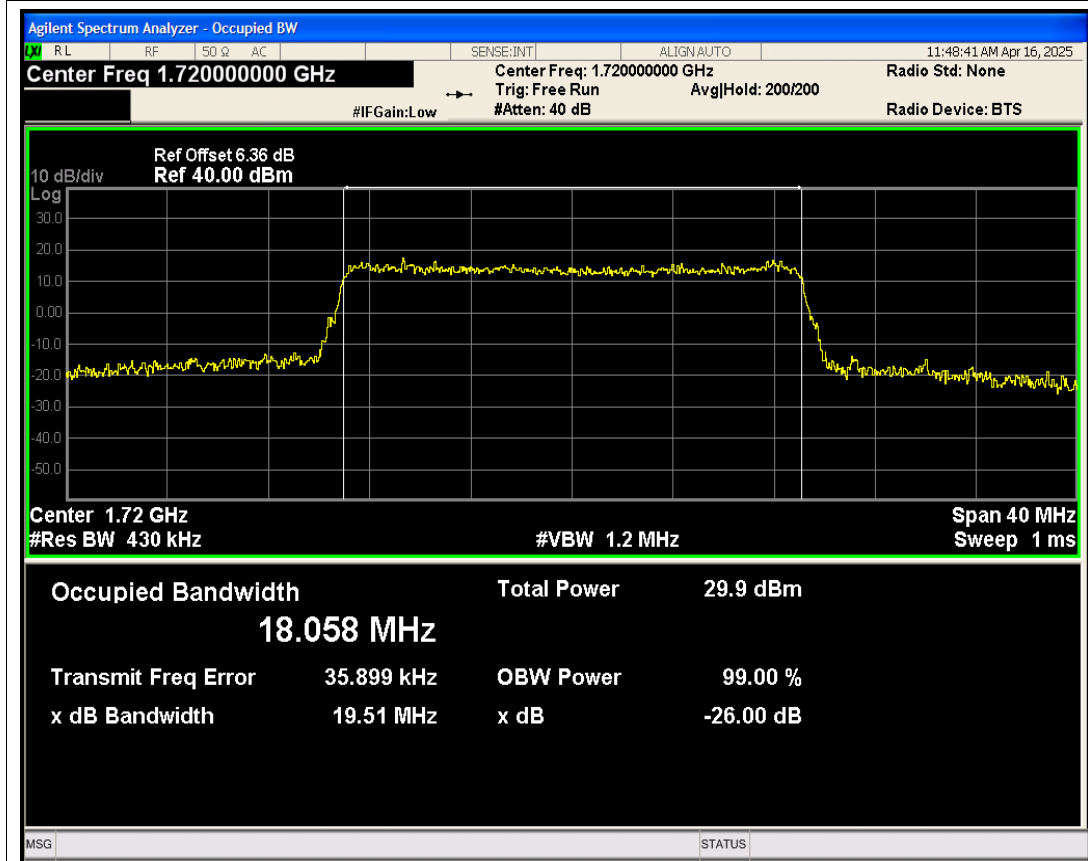
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

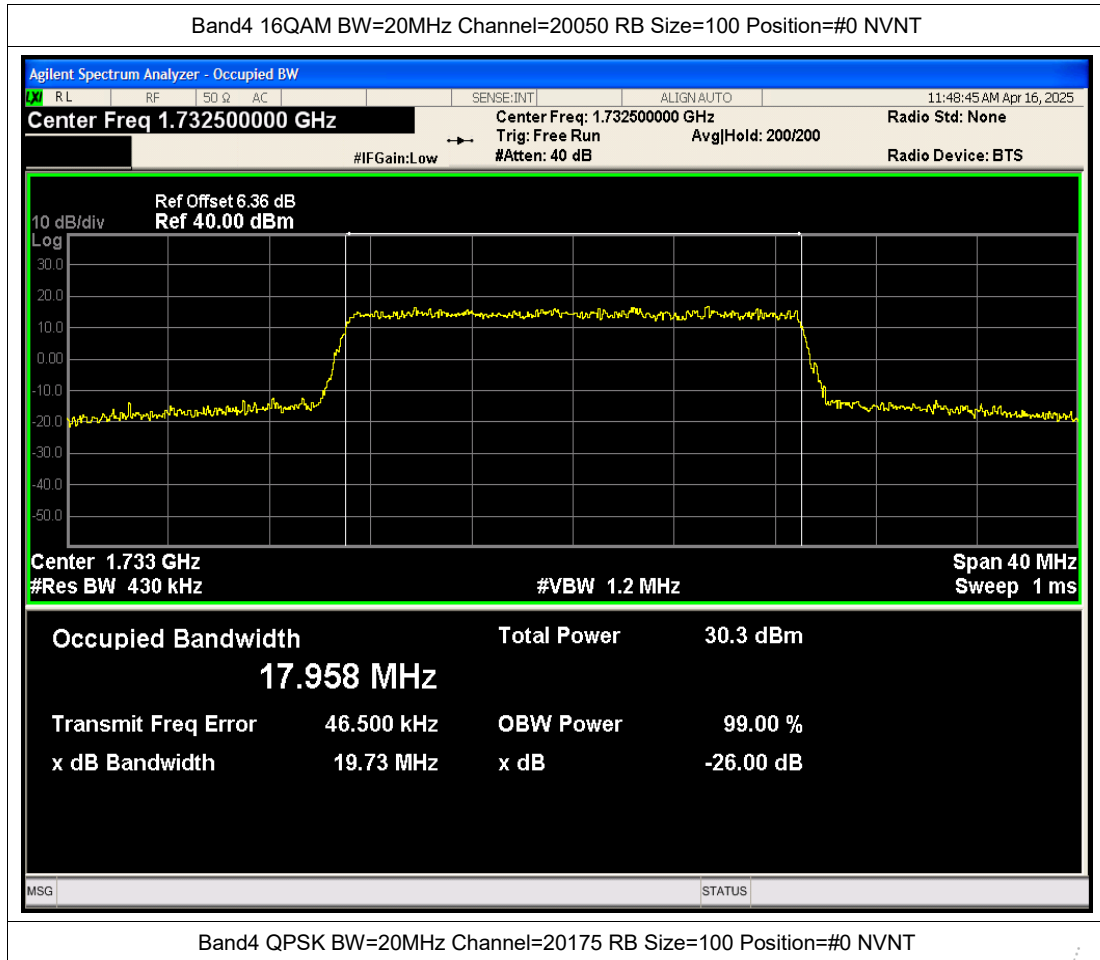


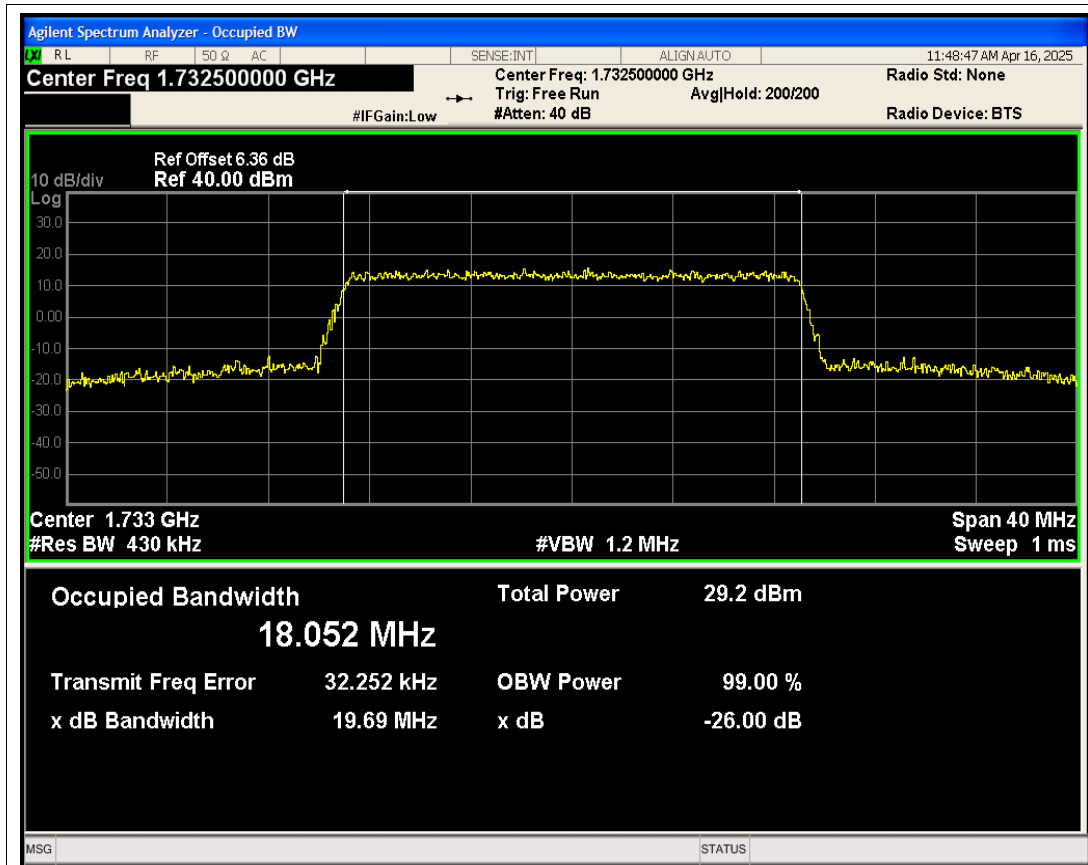
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



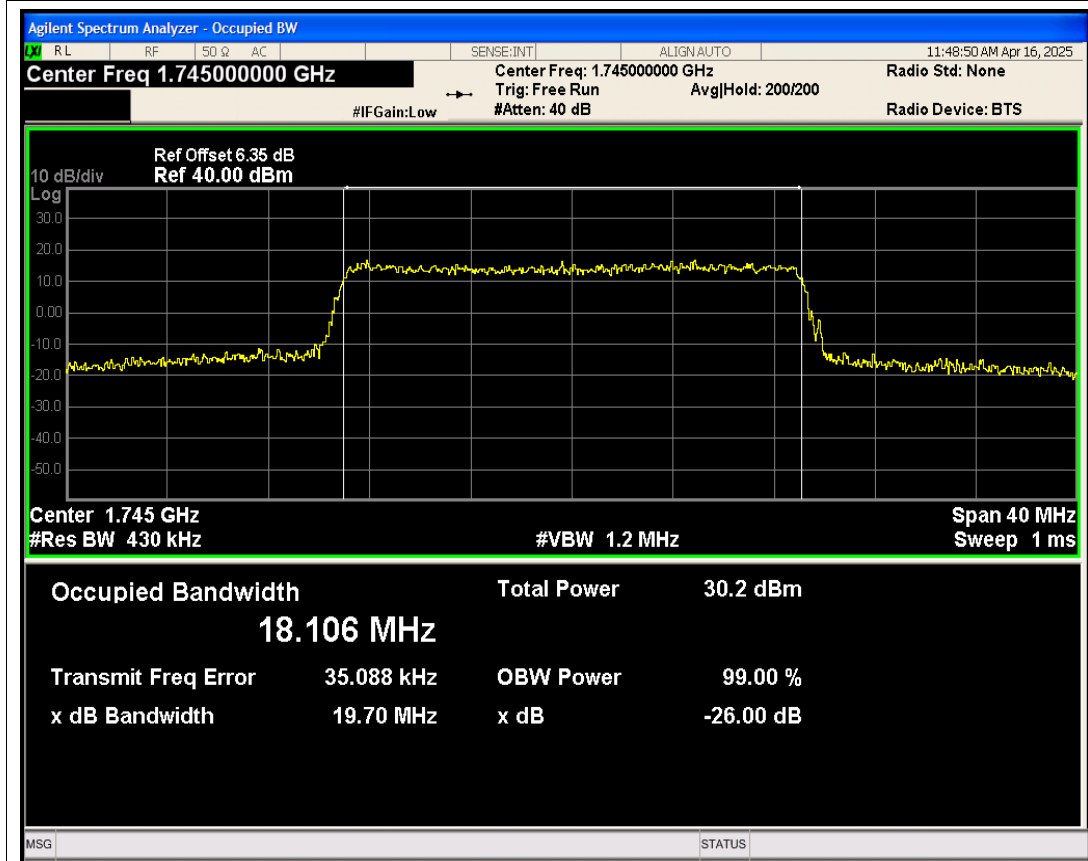
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

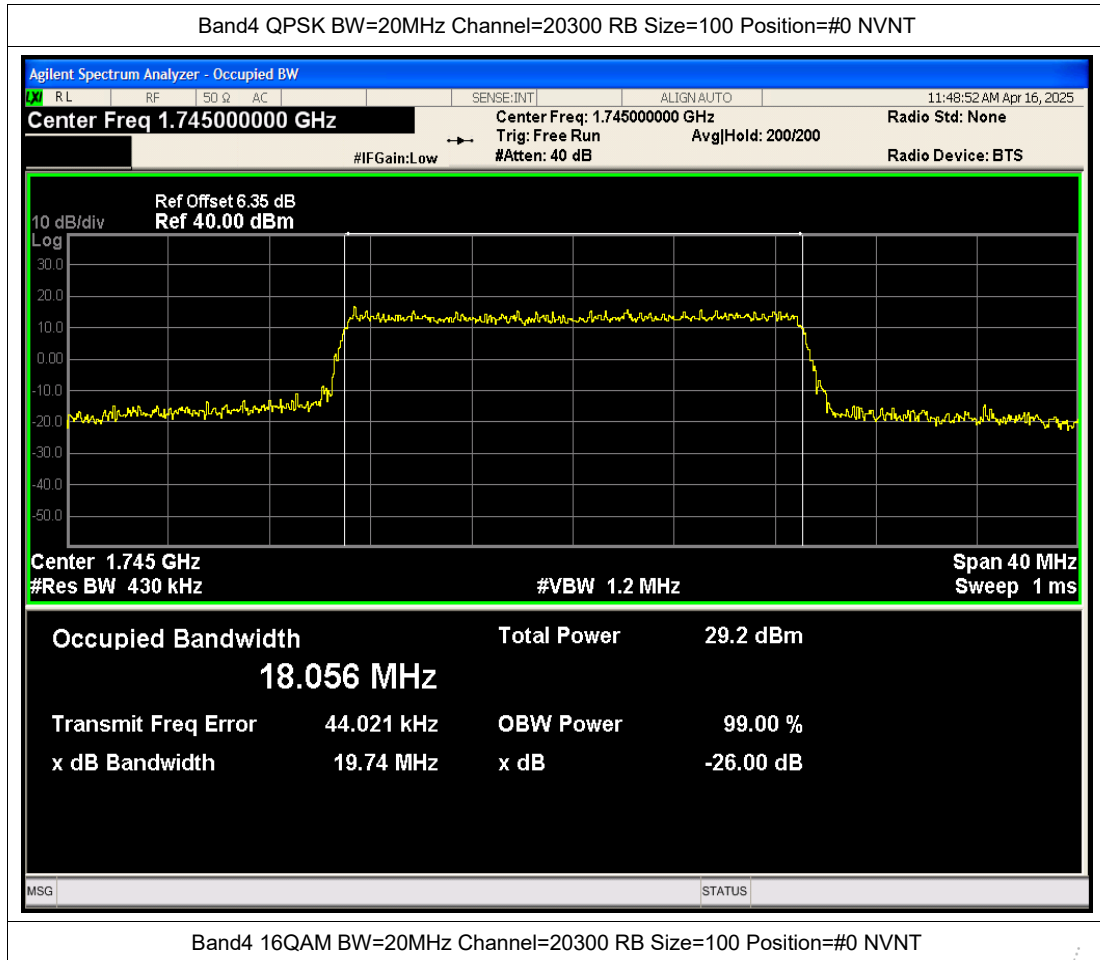






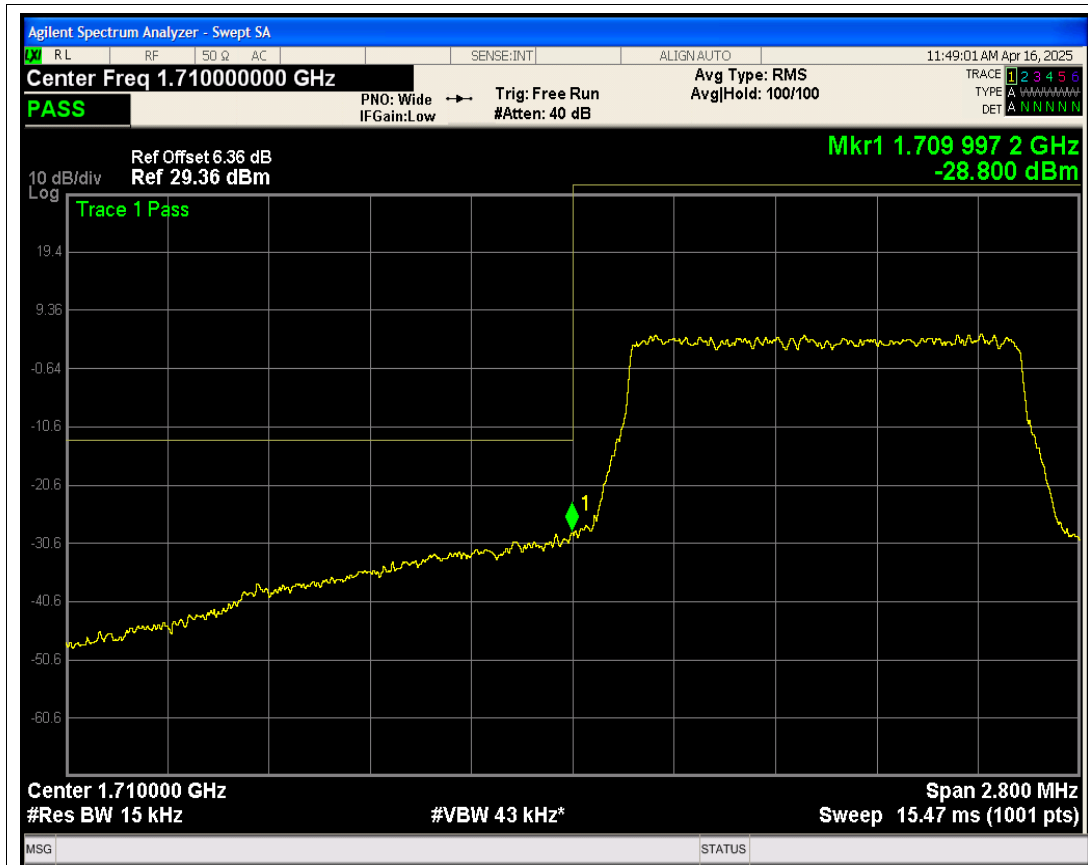
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



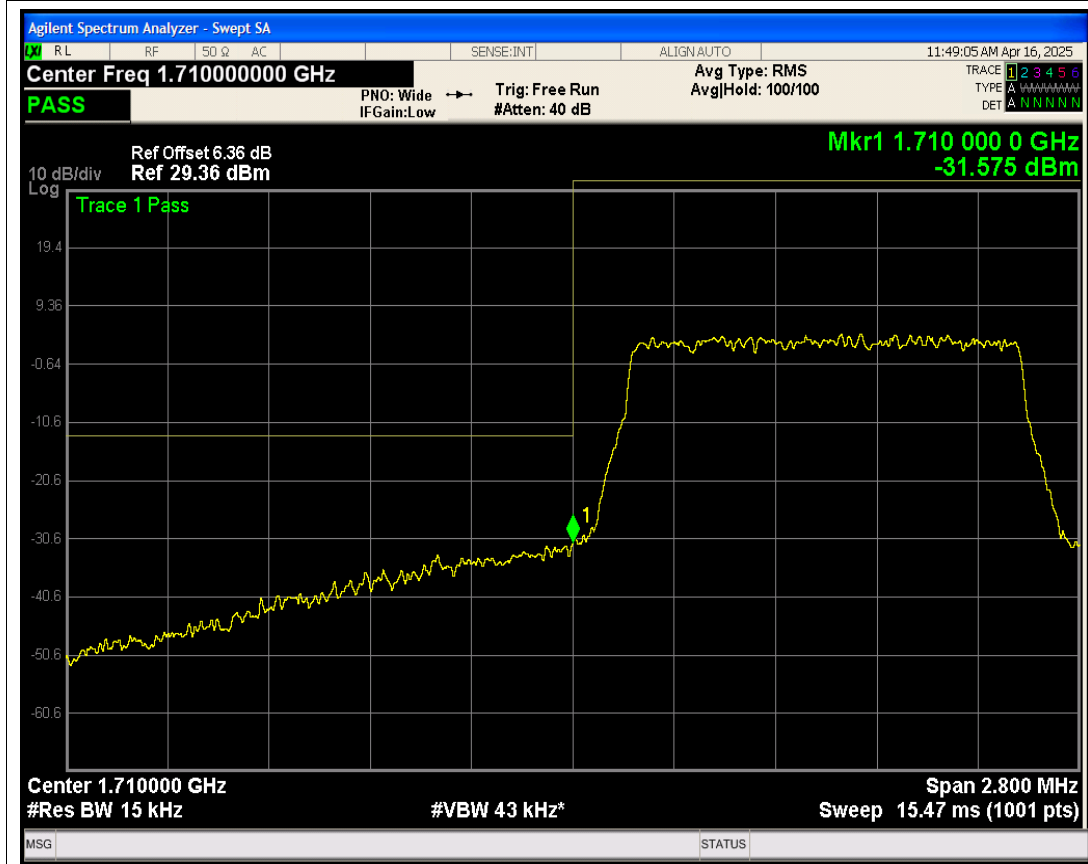


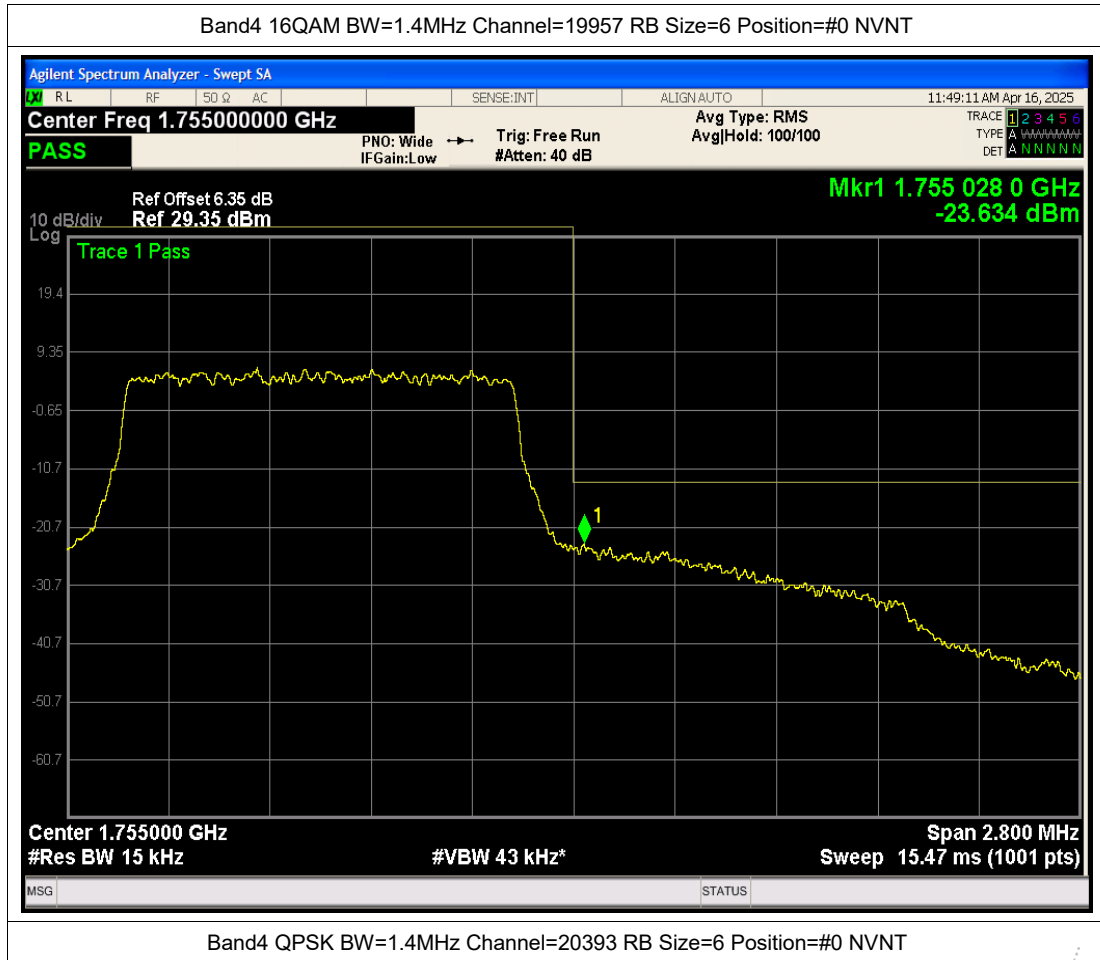
Appendix 5.Band edge

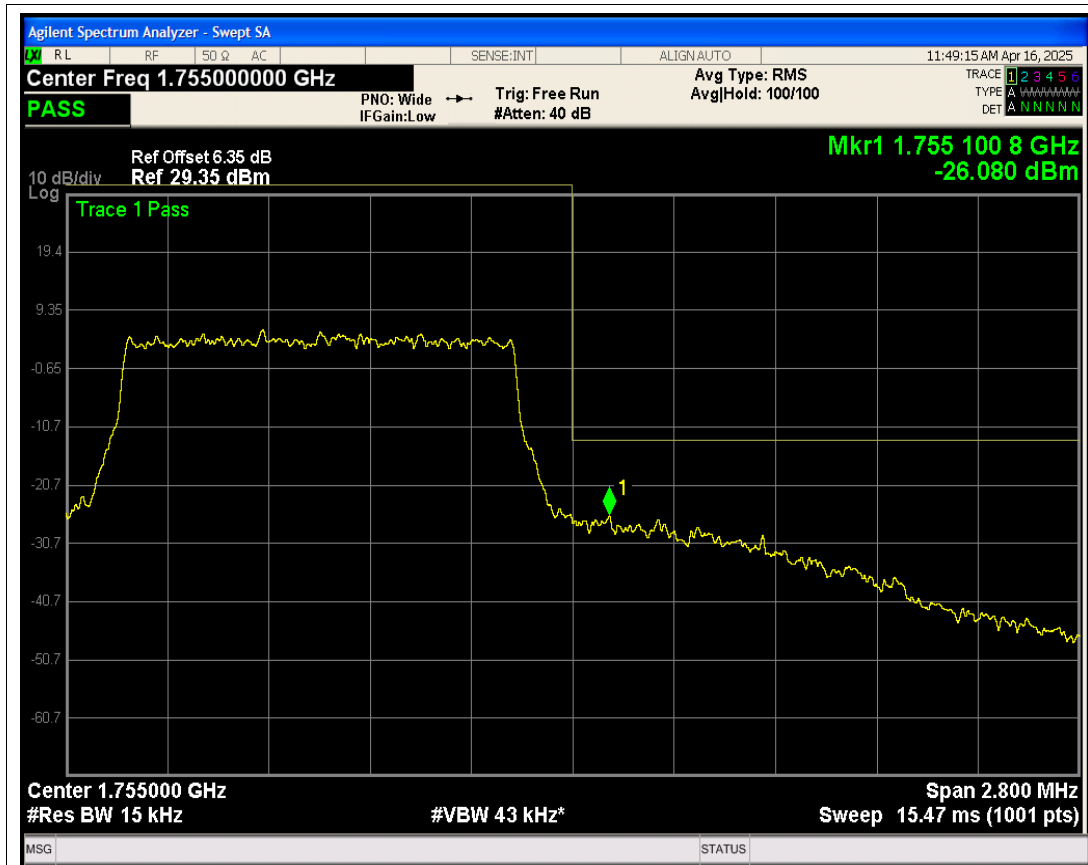
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1710.00	-28.80	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1710.00	-31.57	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.03	-23.63	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.10	-26.08	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-24.64	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-24.46	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-20.63	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-22.70	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-28.81	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-29.09	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.12	-22.74	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-25.42	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1709.58	-28.92	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1709.92	-30.11	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.00	-25.97	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.68	-27.33	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.94	-25.99	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1710.00	-27.48	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.00	-26.82	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.09	-29.06	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1710.00	-26.34	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1708.68	-29.26	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.08	-27.73	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.00	-30.27	-13	PASS



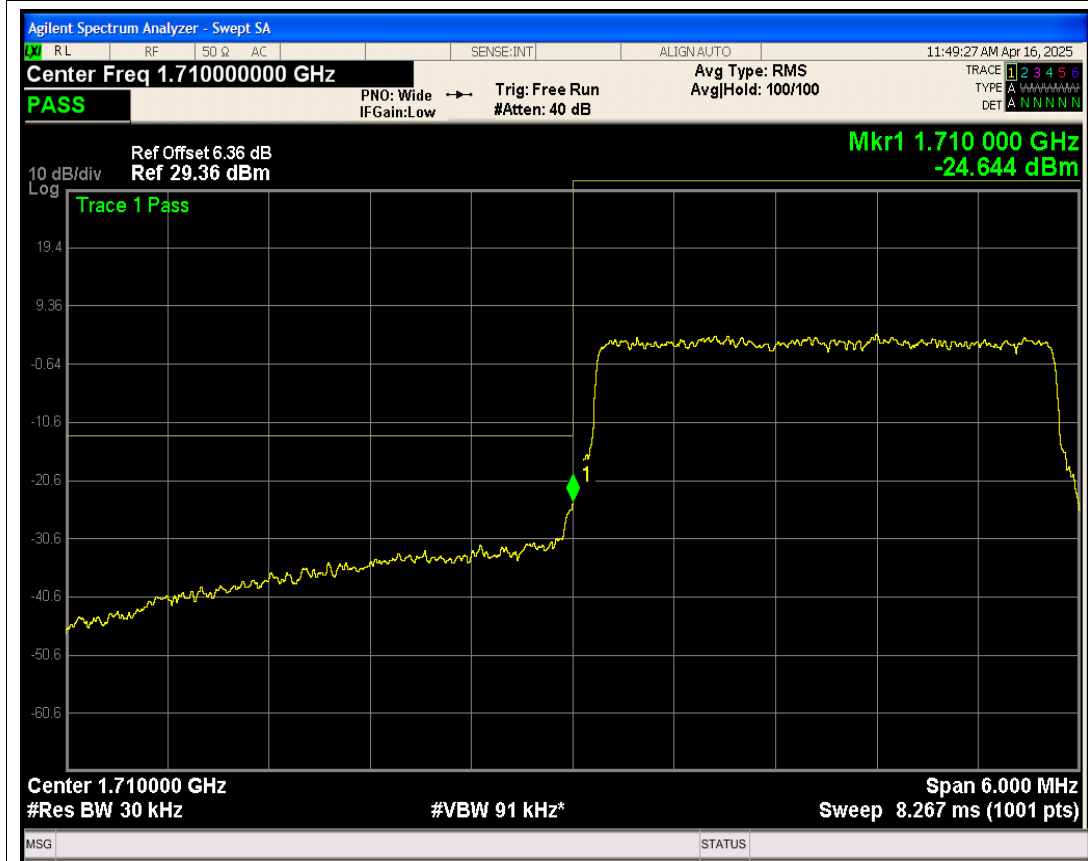
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

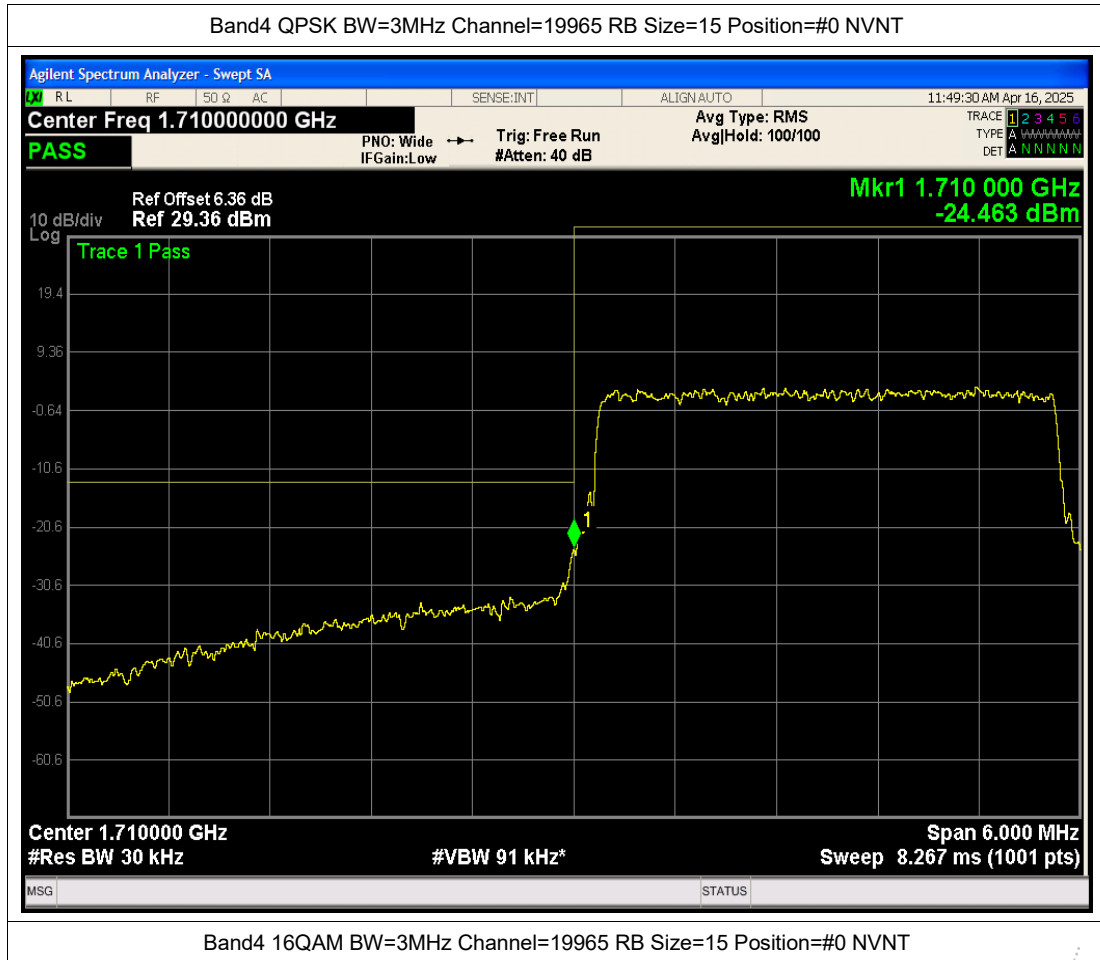




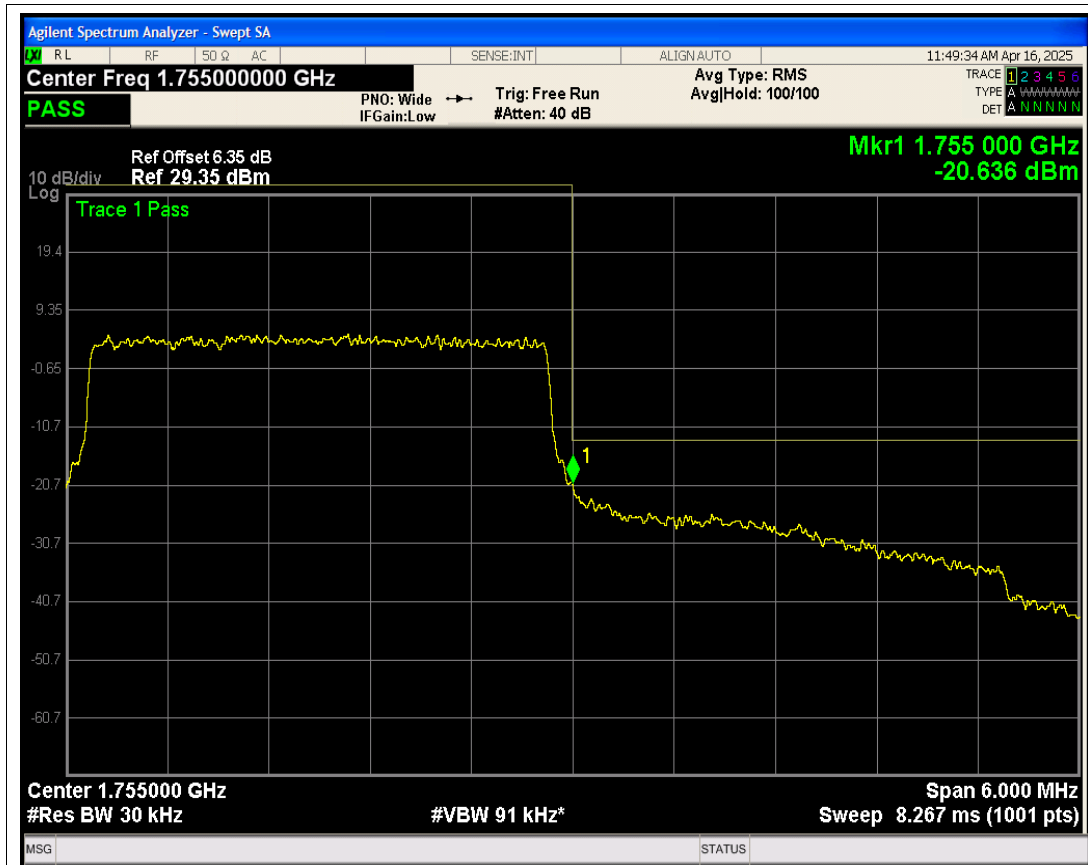


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

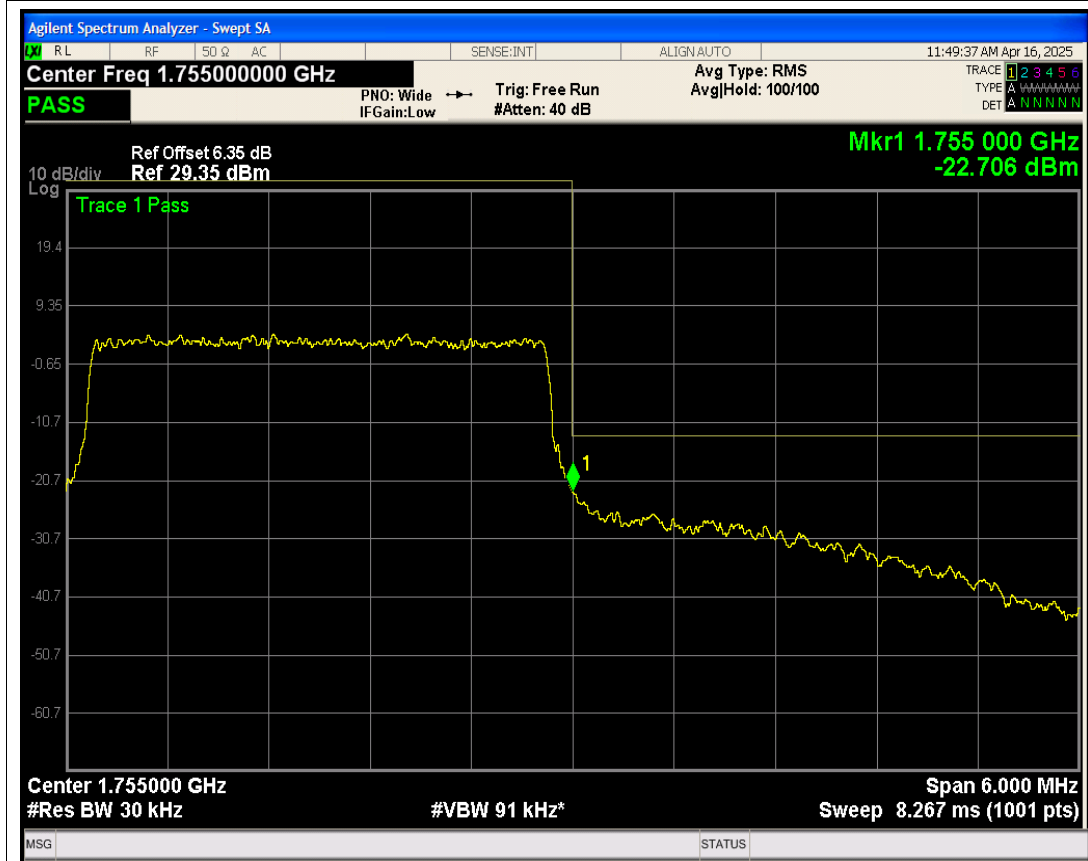


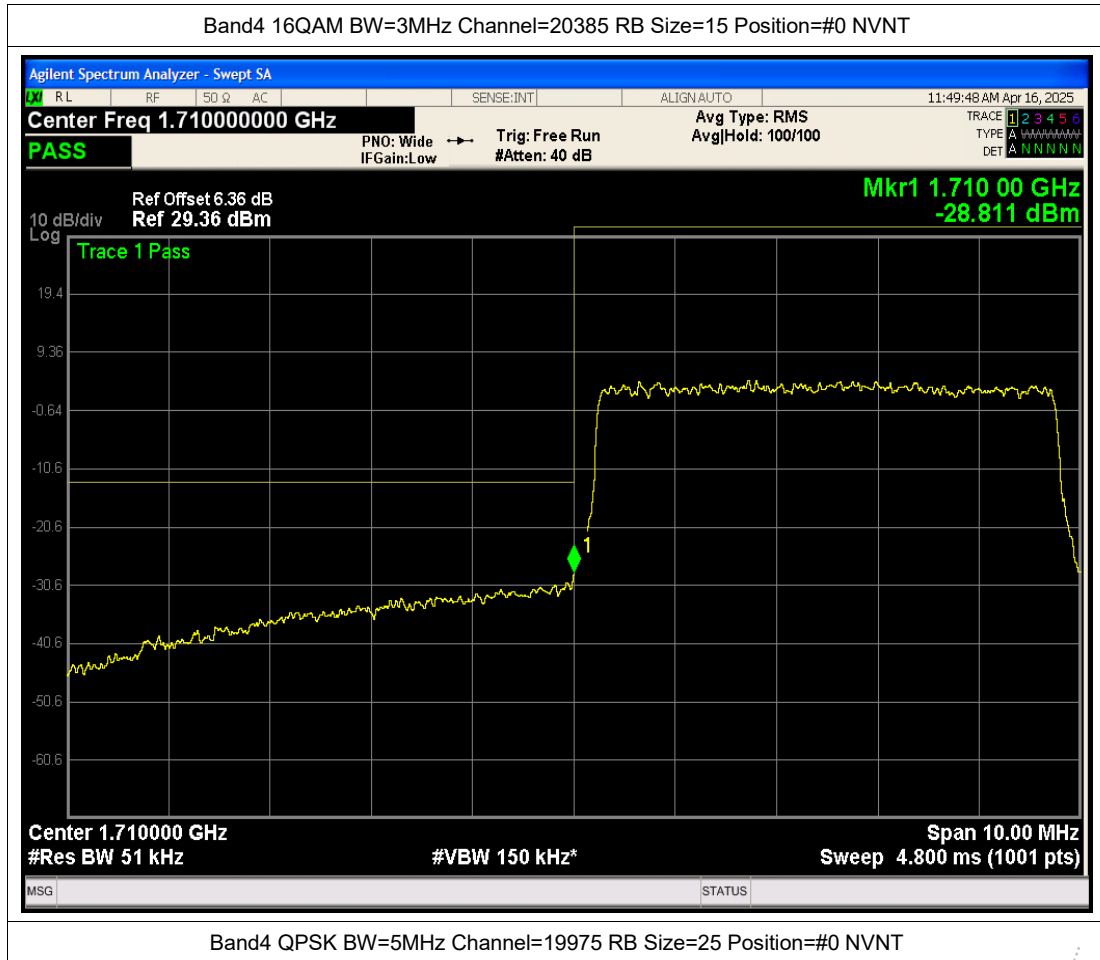


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

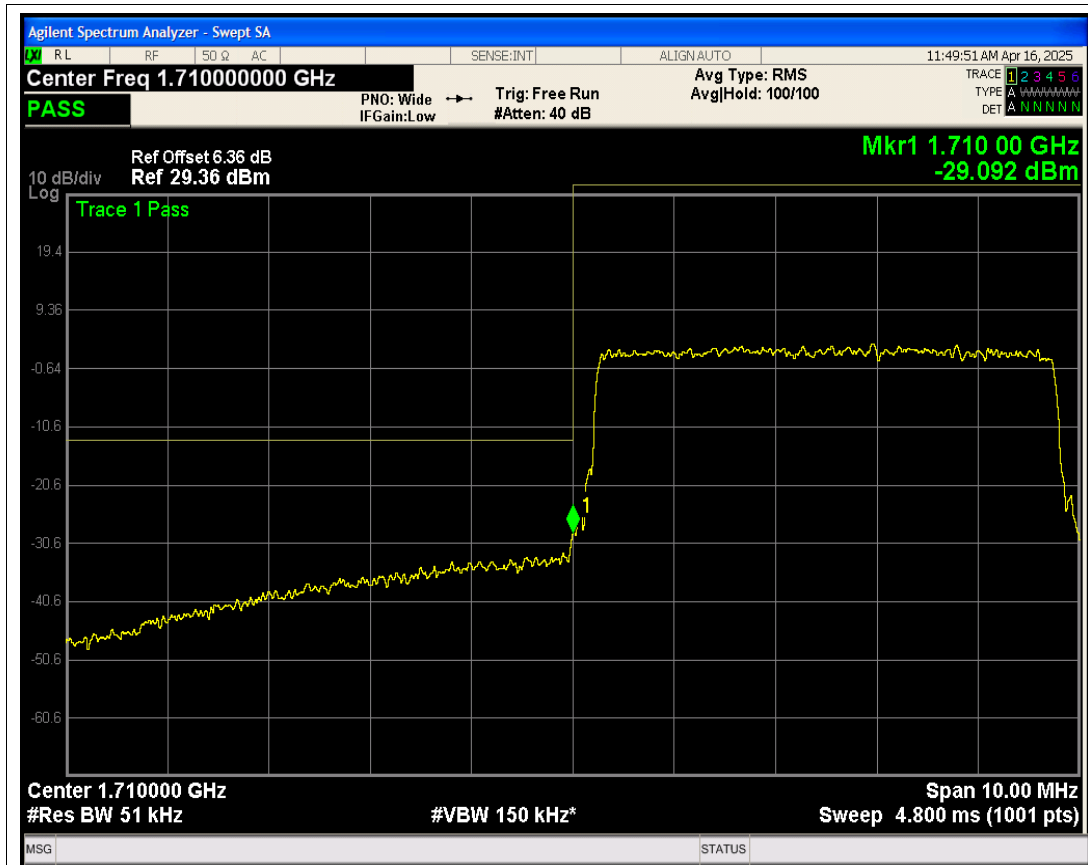


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

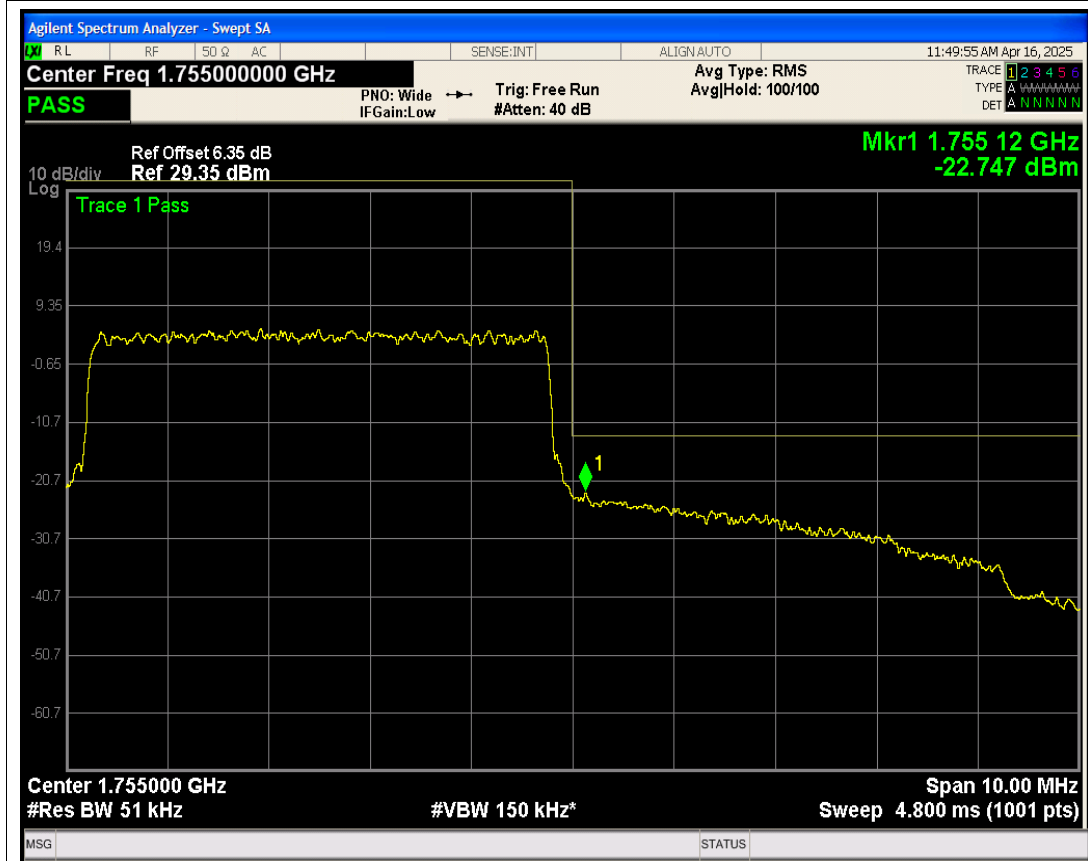




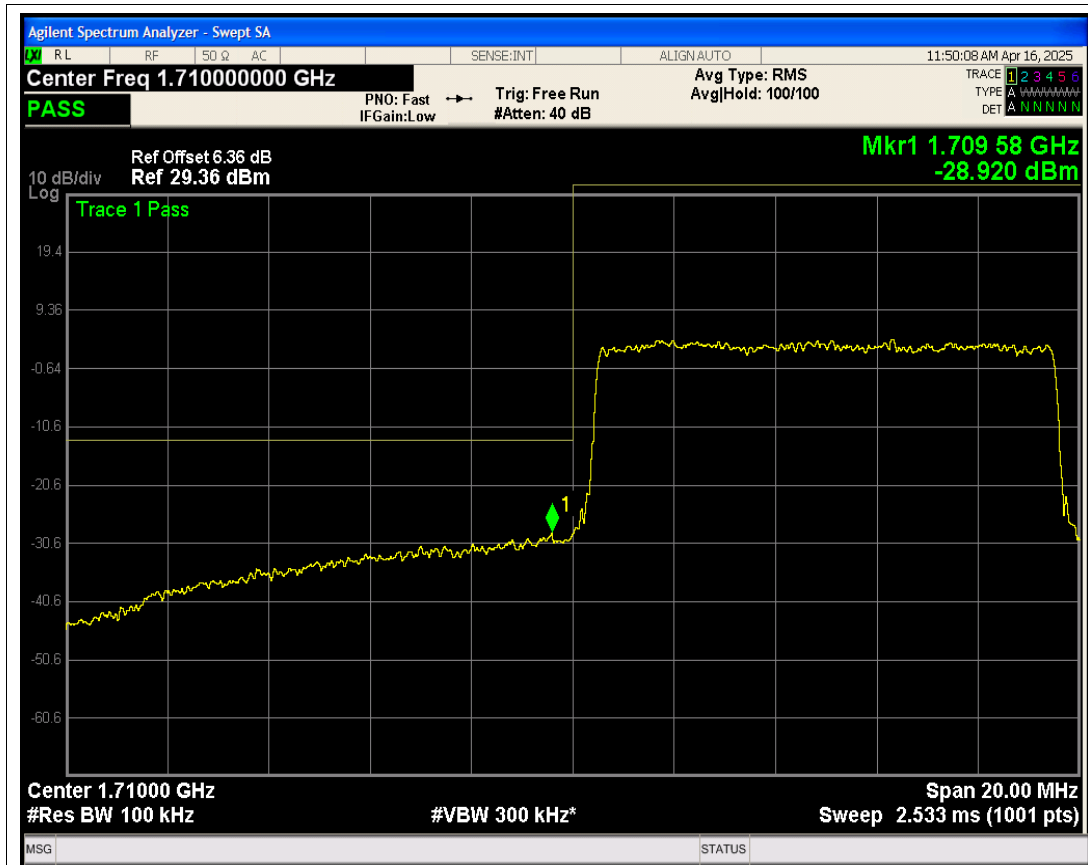
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



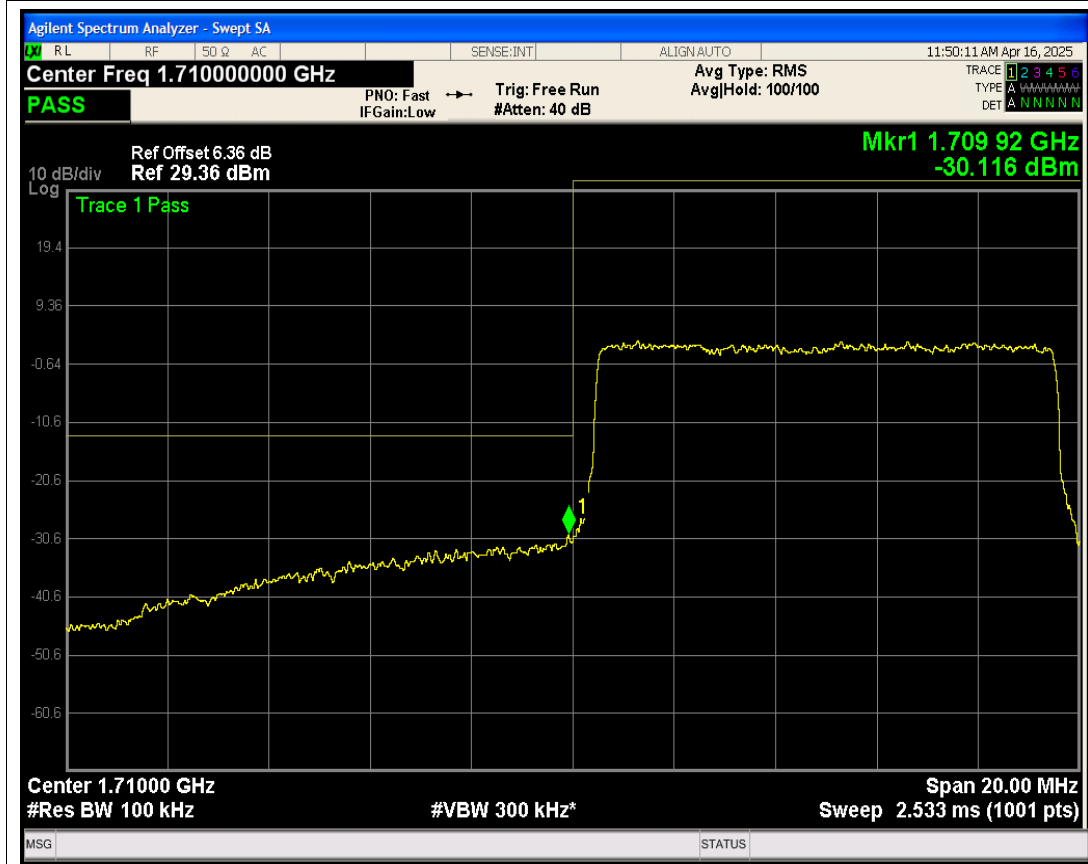
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

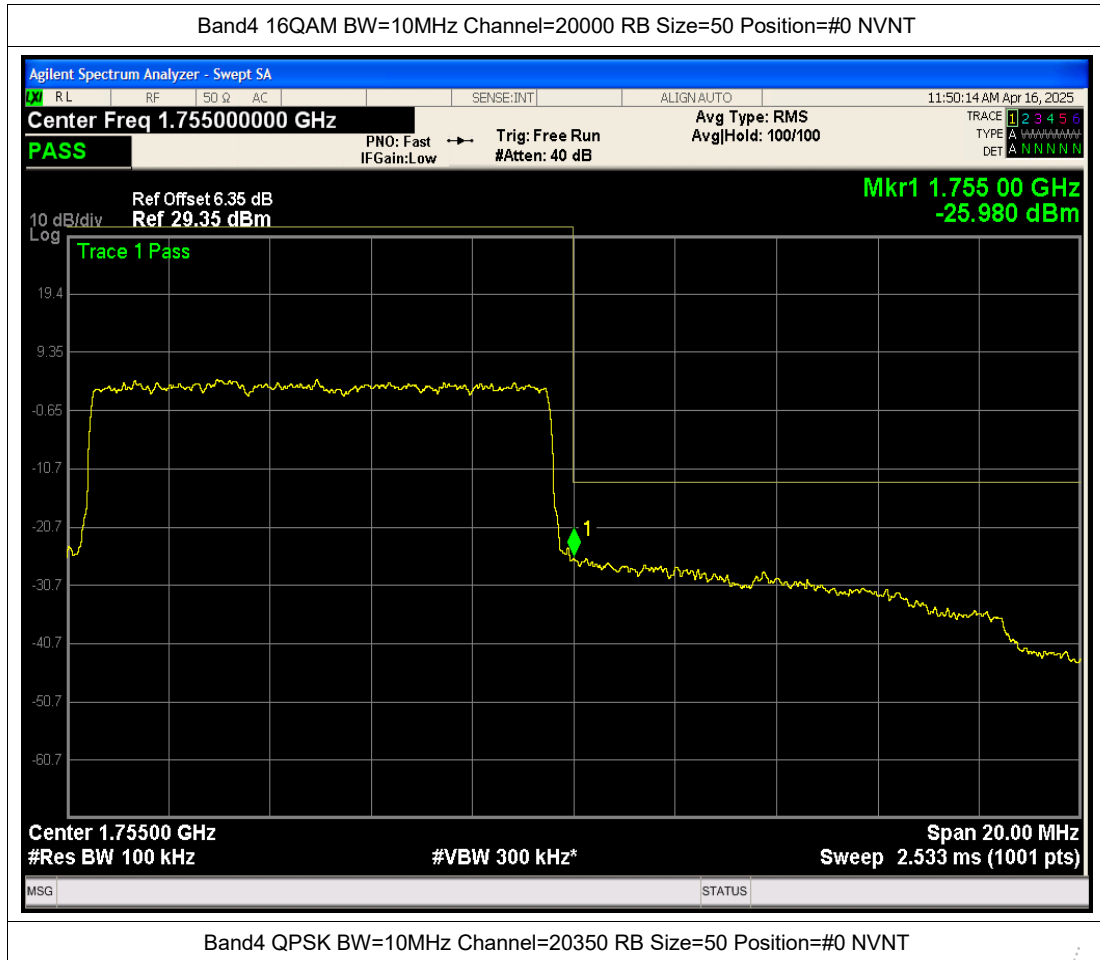


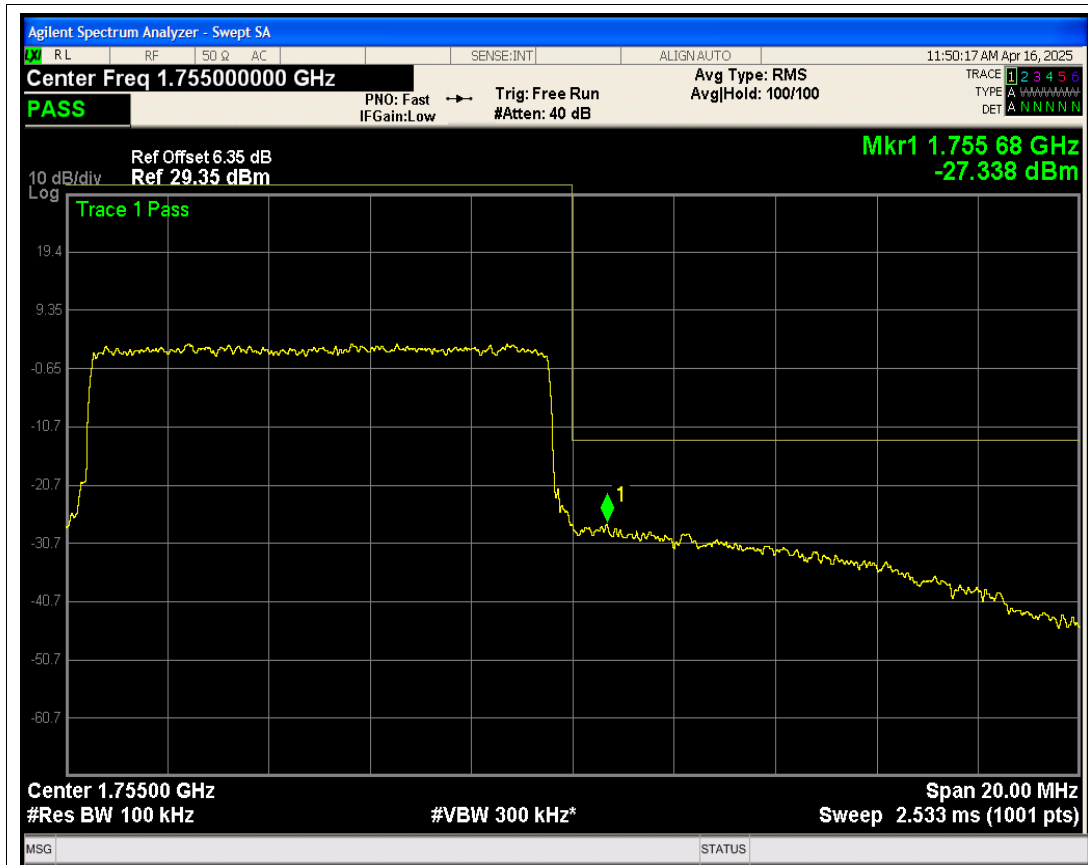




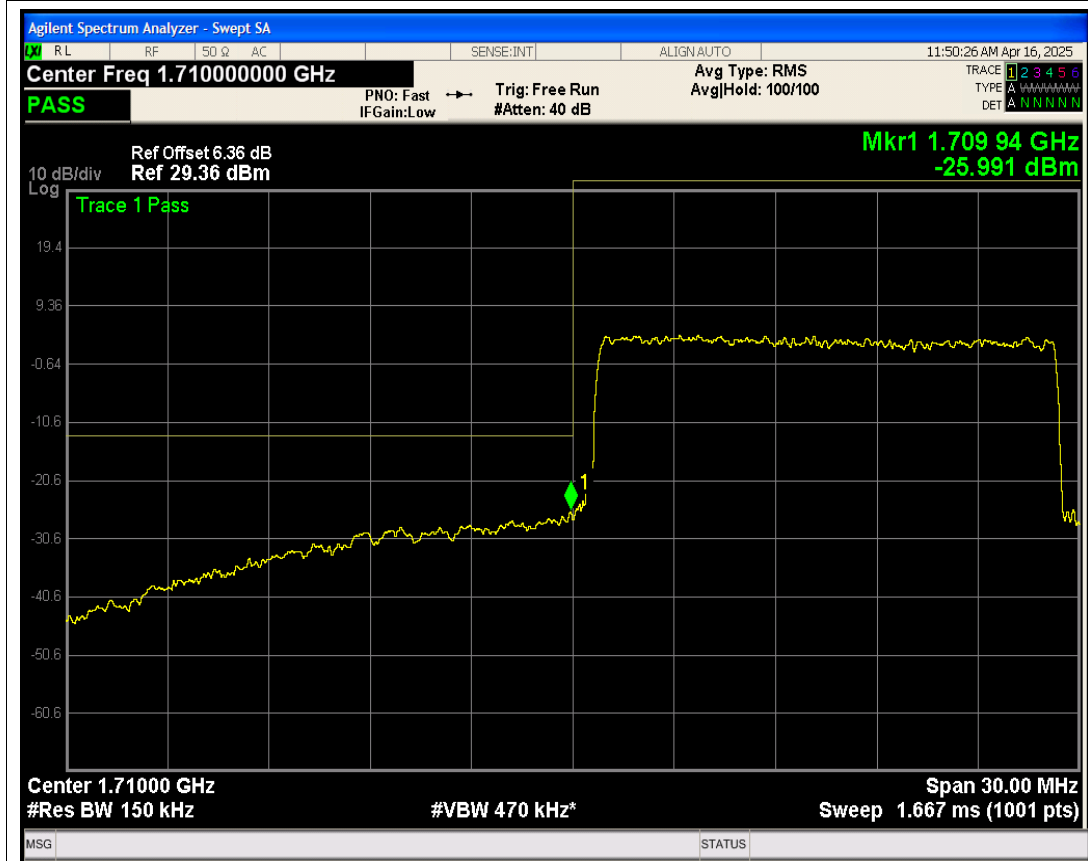
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

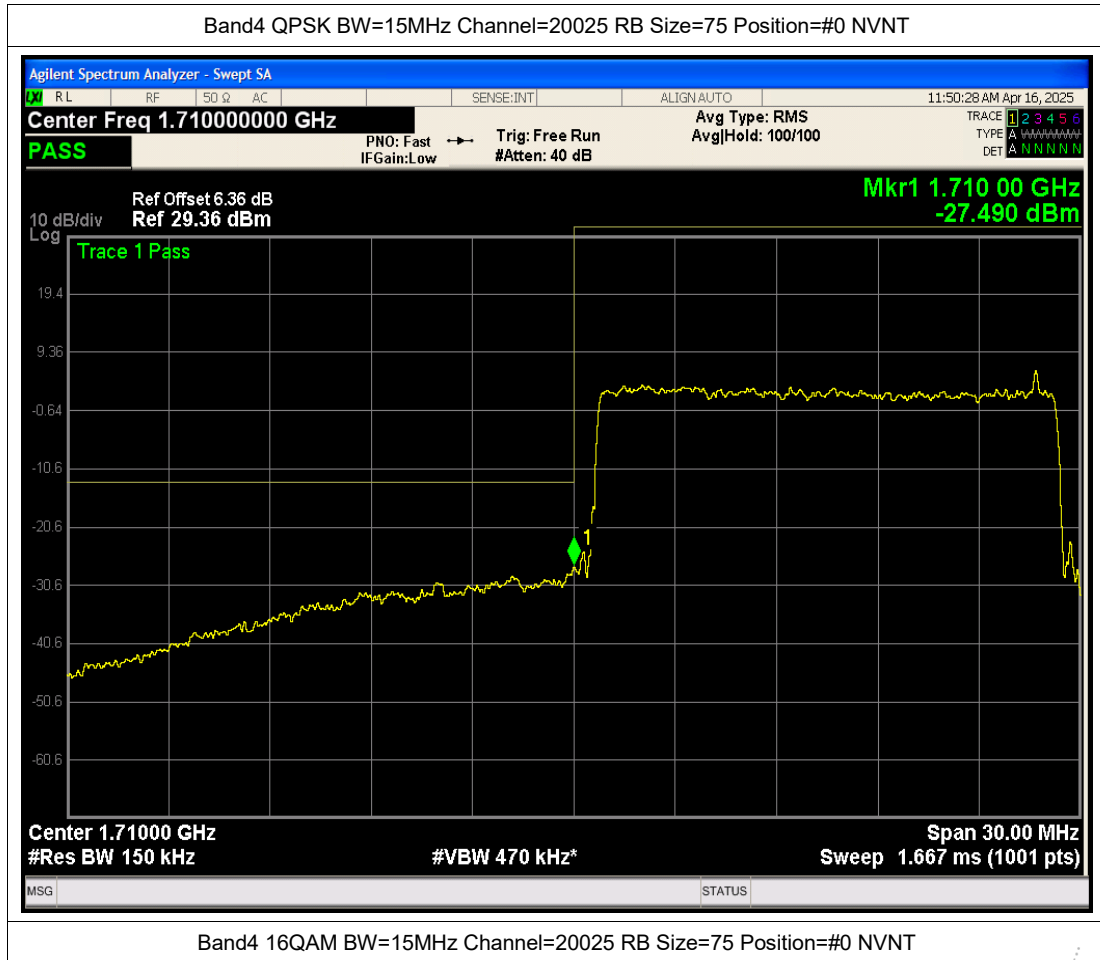


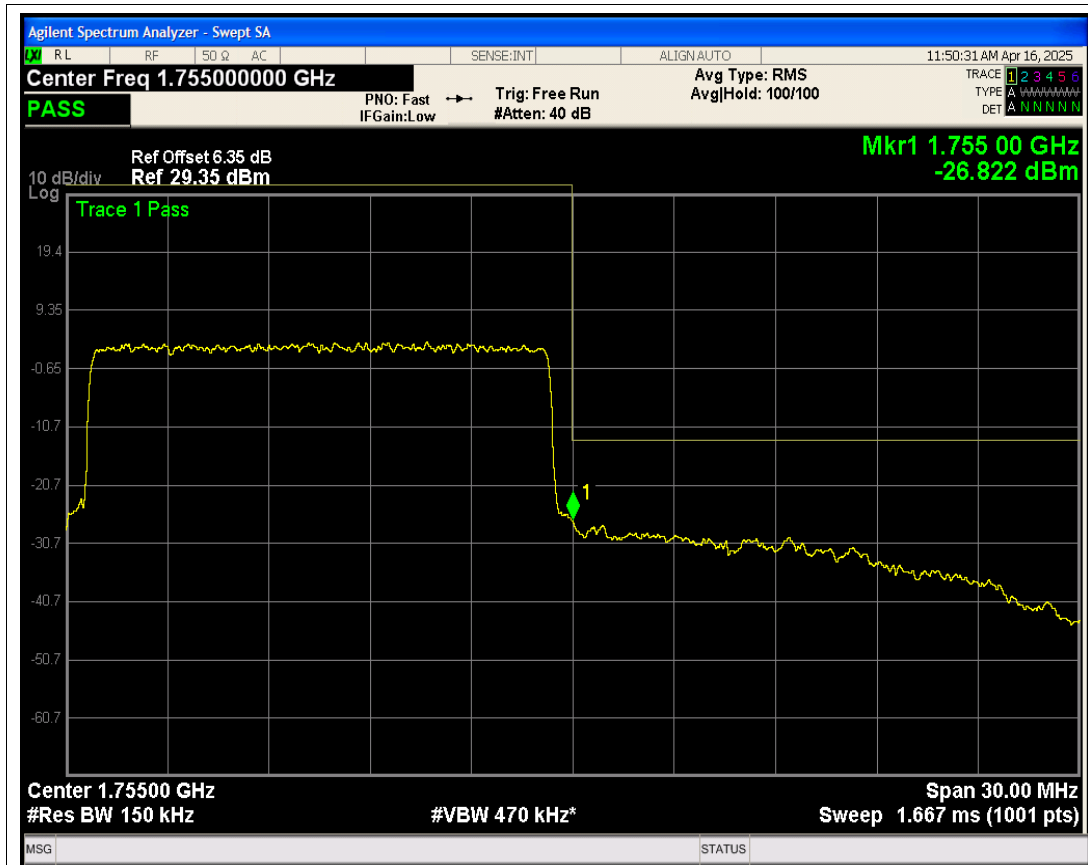




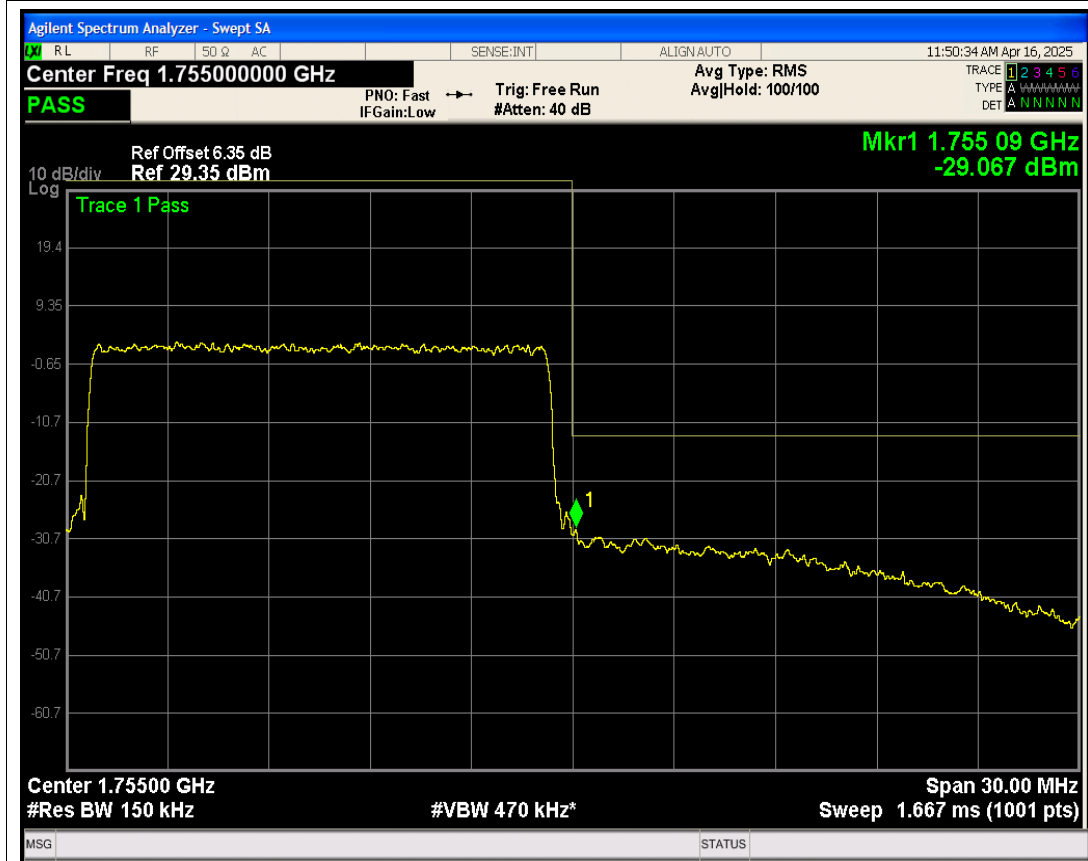
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

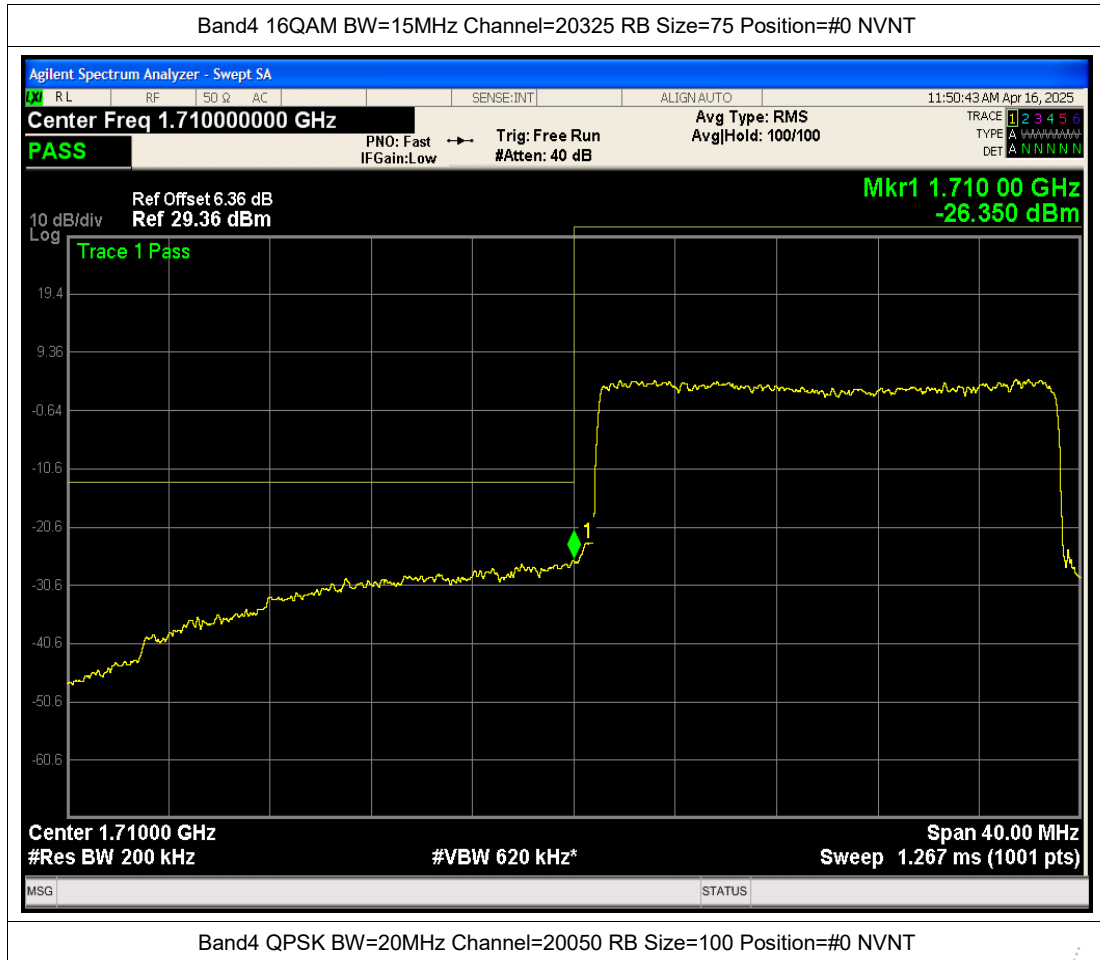


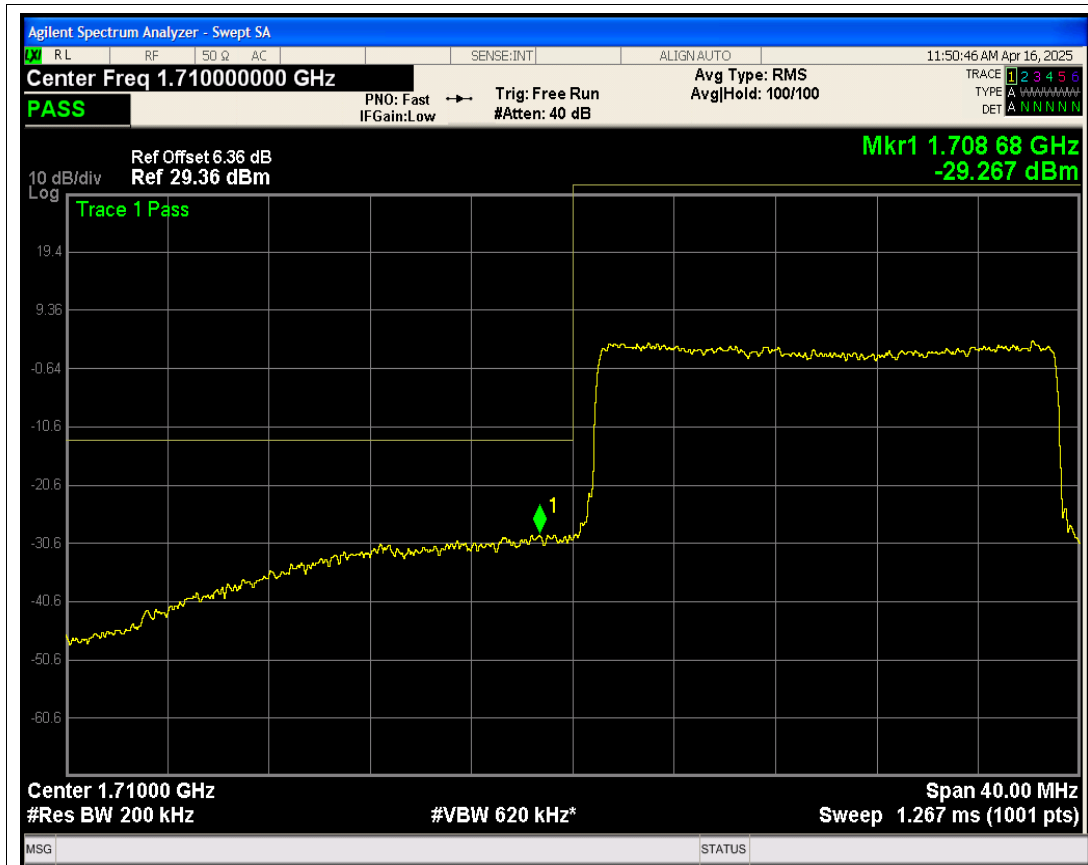




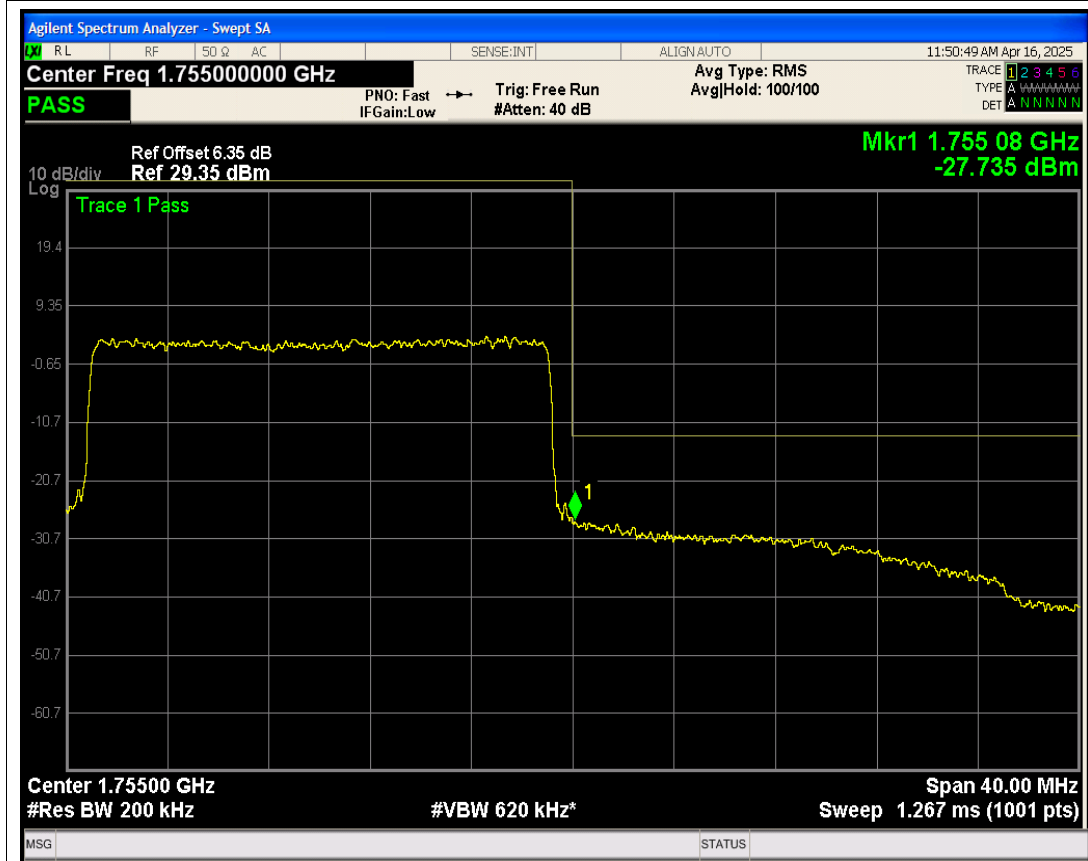
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

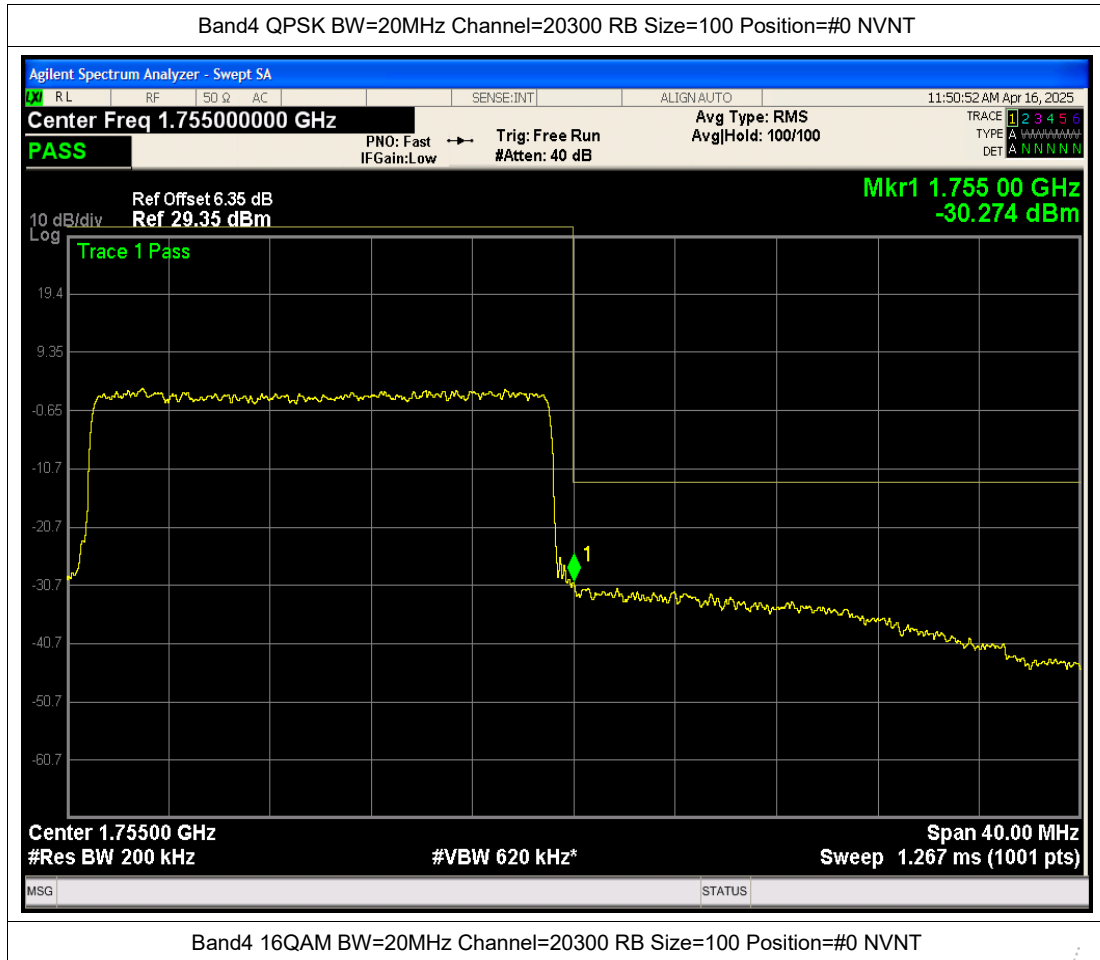






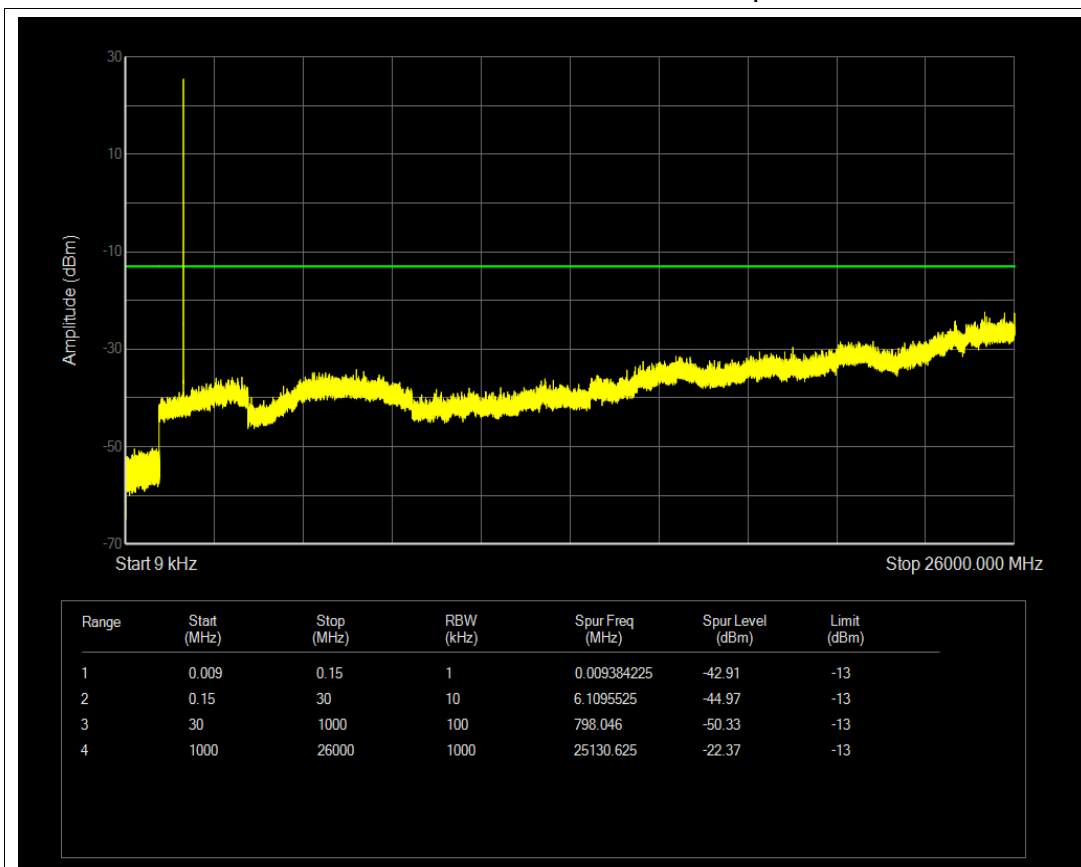
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



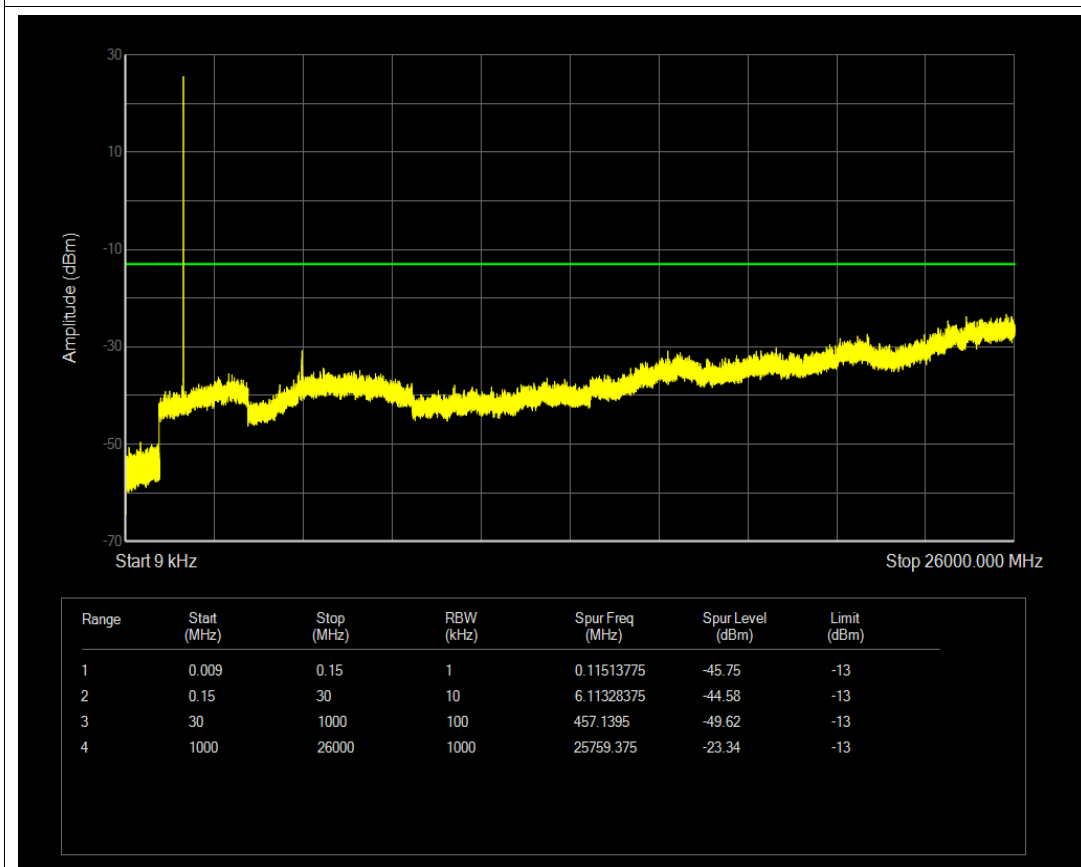


Appendix 6.Out-of-band emissions

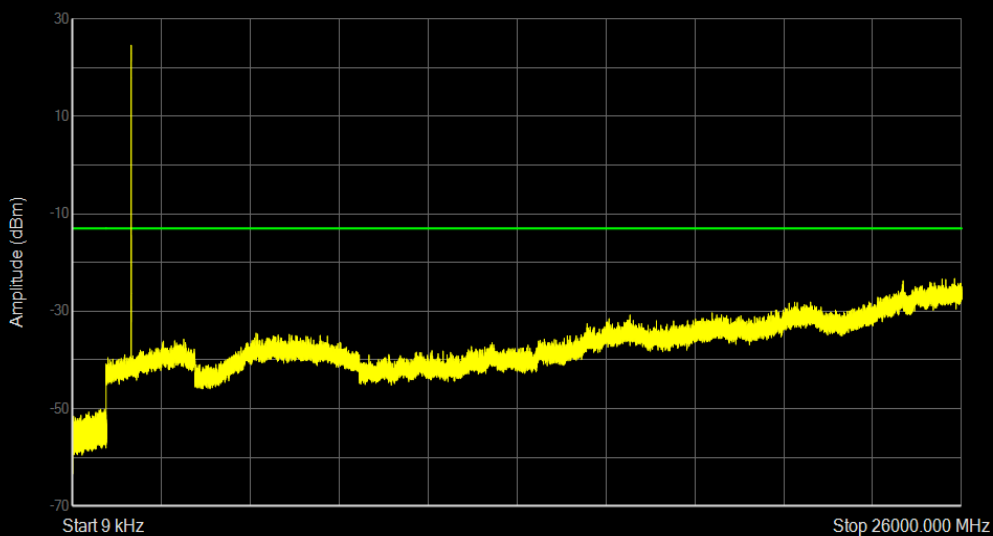
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25130.63	-22.37	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25759.38	-23.34	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25796.25	-23.29	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25950.00	-23.11	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25306.25	-23.41	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25951.25	-23.61	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25771.25	-22.74	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25720.63	-22.67	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25416.88	-23.71	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25691.88	-22.58	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	24676.25	-22.86	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25904.38	-23.42	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25425.63	-23.73	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25994.38	-23.40	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25495.63	-23.31	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25349.38	-23.55	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25076.88	-23.44	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25997.50	-23.15	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25055.63	-23.28	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25761.25	-23.80	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25760.00	-23.10	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25115.00	-23.65	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25968.13	-23.69	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25926.88	-23.13	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	25830.00	-22.84	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25756.88	-23.55	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	25687.50	-23.43	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25850.63	-23.57	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	24689.38	-23.52	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25870.00	-23.70	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25755.00	-23.45	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25521.88	-23.24	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25416.25	-23.36	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25325.00	-22.64	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25847.50	-22.81	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	24827.50	-23.33	-13	PASS



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

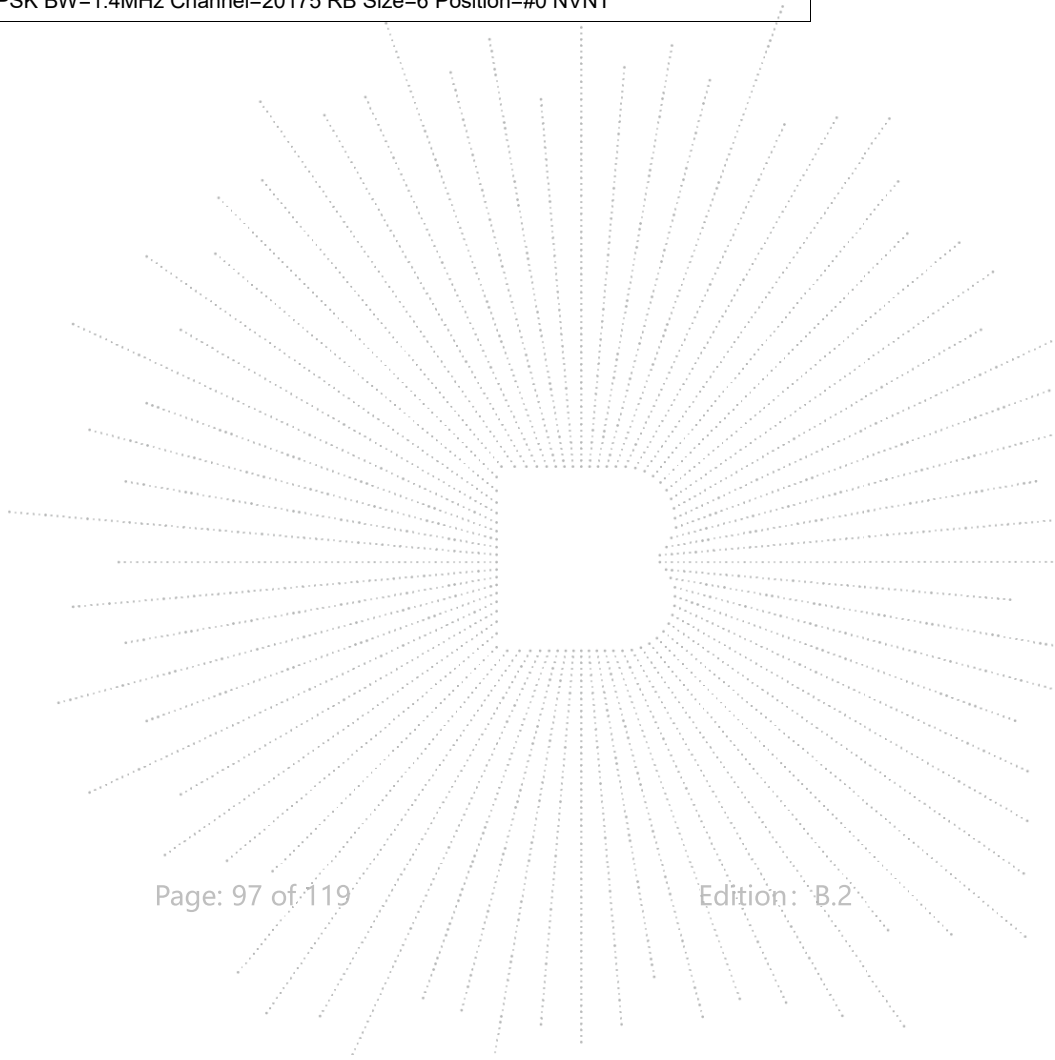


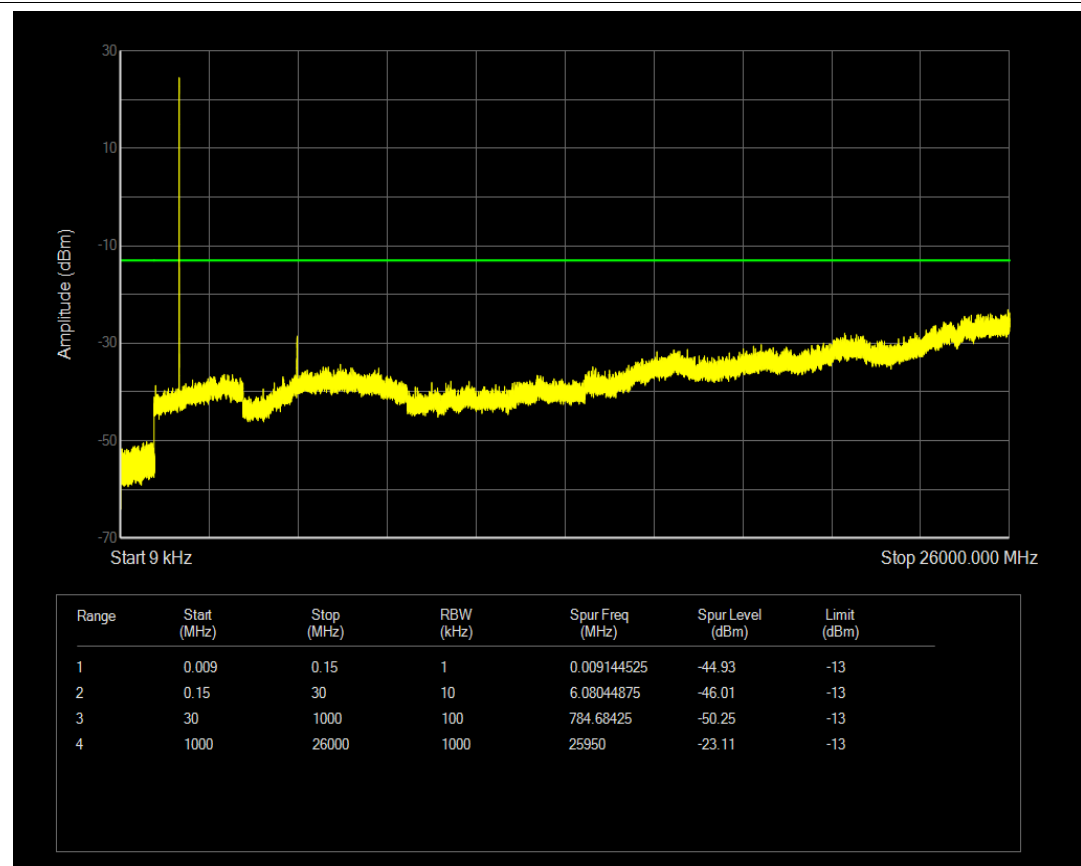
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



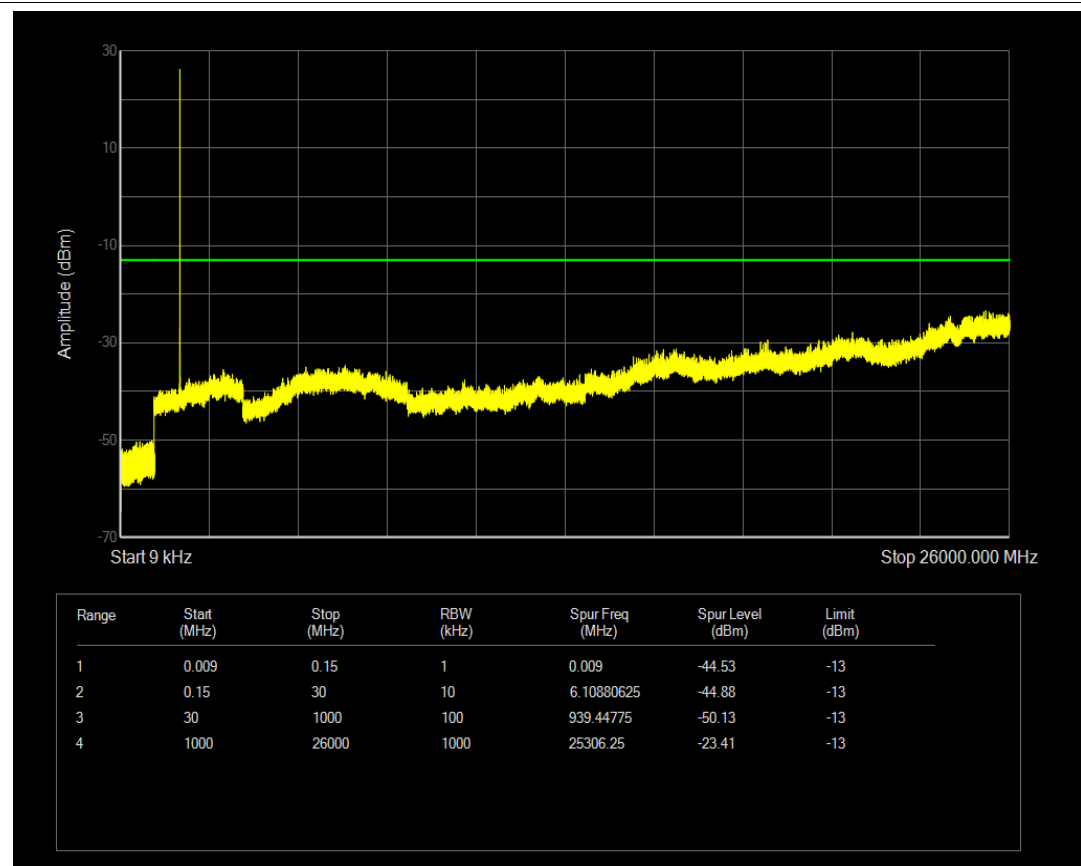
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.66	-13
2	0.15	30	10	6.64162875	-45.88	-13
3	30	1000	100	844.994	-50.15	-13
4	1000	26000	1000	25796.25	-23.29	-13

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

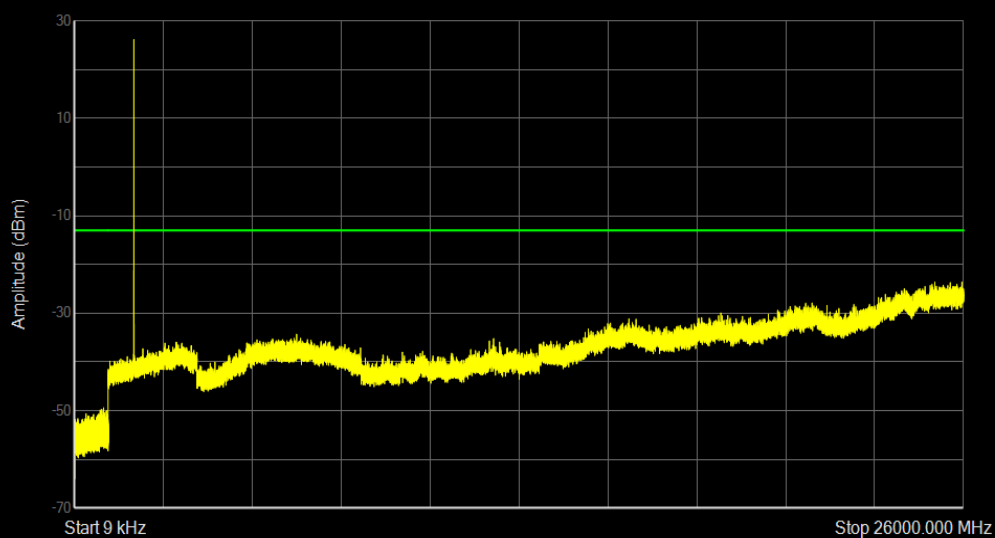




Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

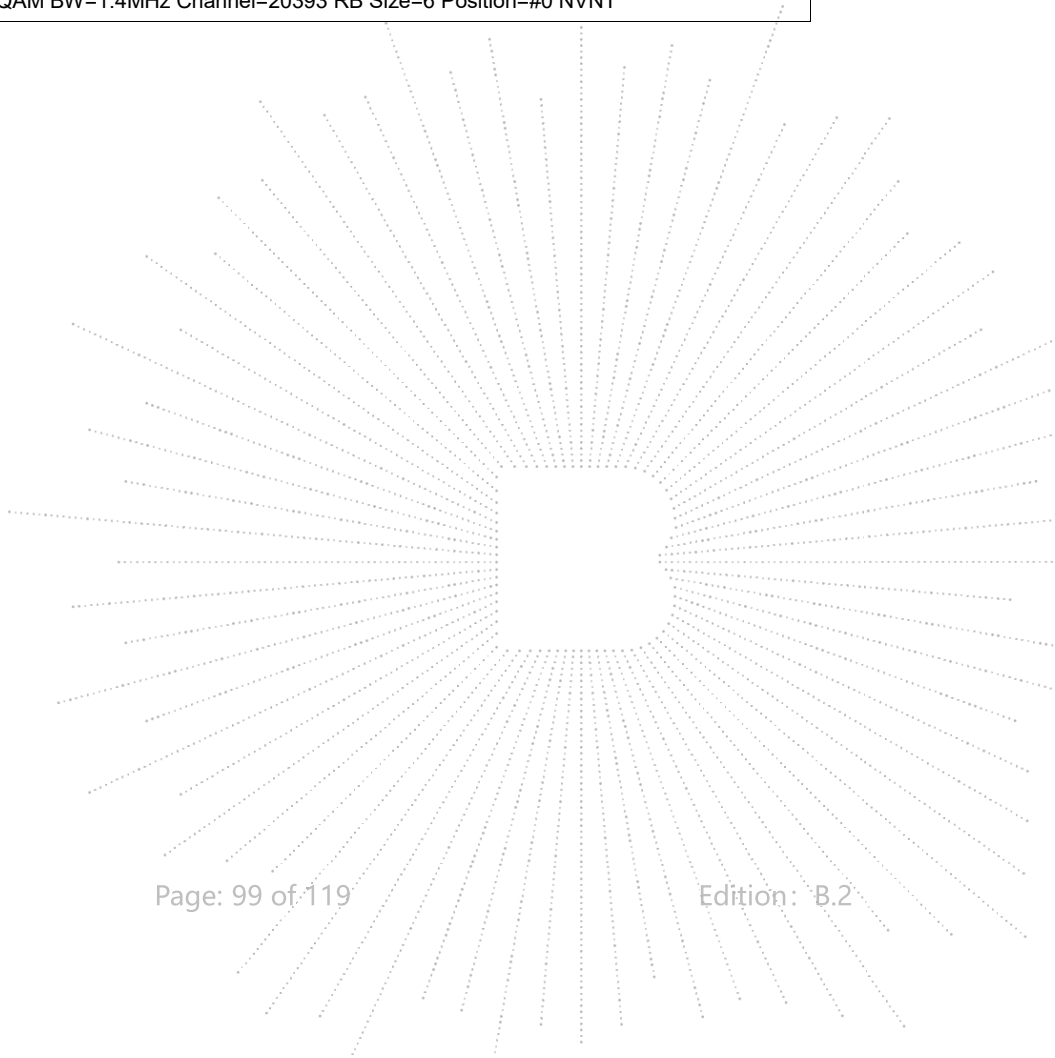


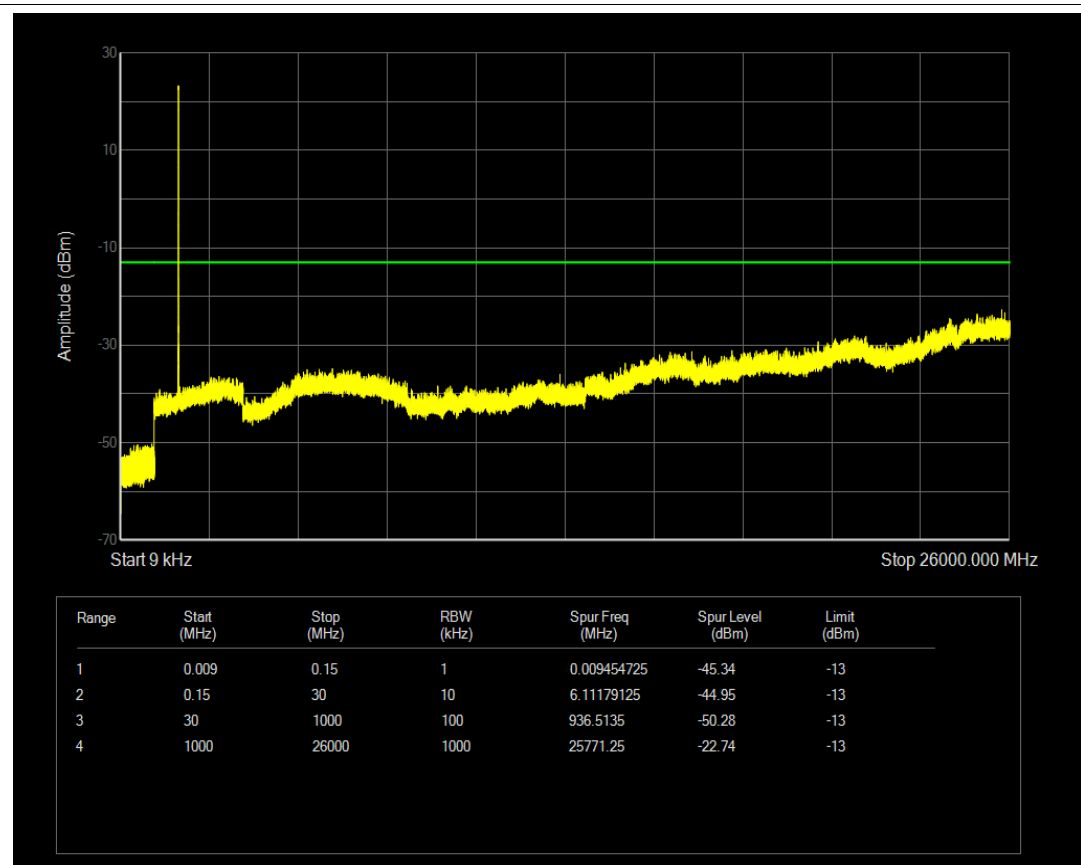
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



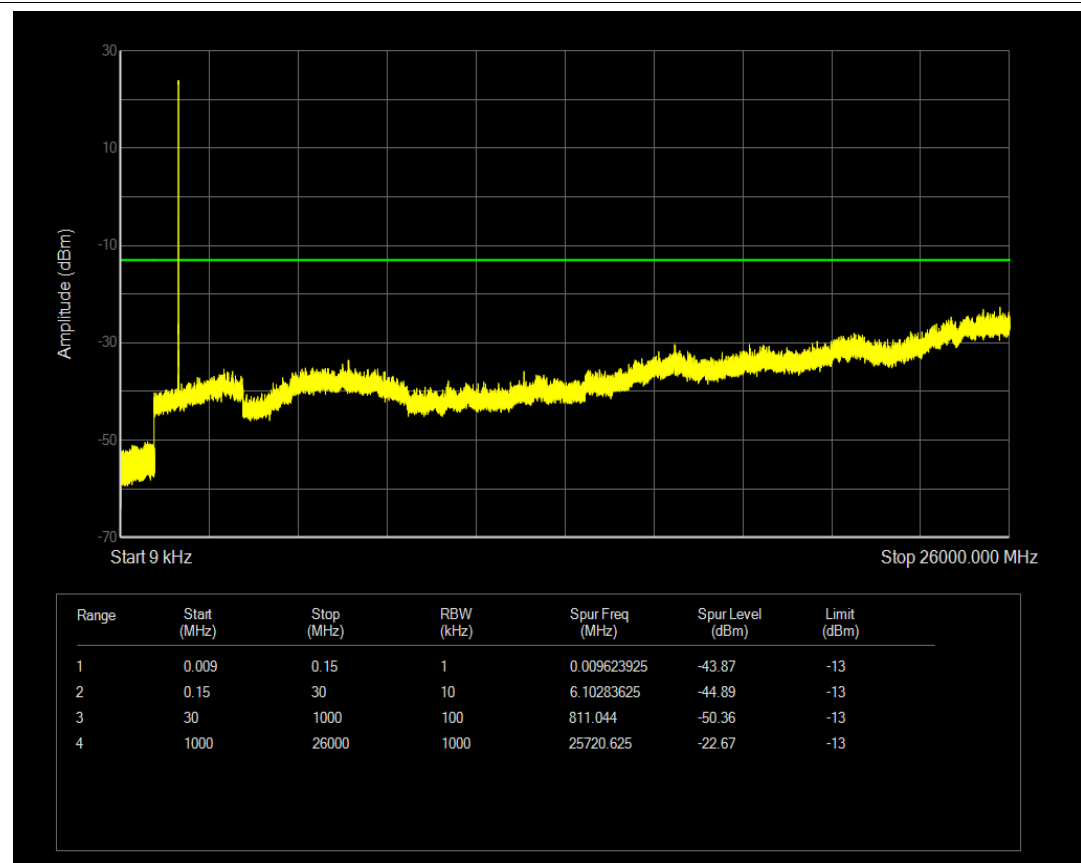
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009638025	-45.25	-13
2	0.15	30	10	6.1095525	-44.69	-13
3	30	1000	100	871.087	-49.43	-13
4	1000	26000	1000	25951.25	-23.61	-13

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

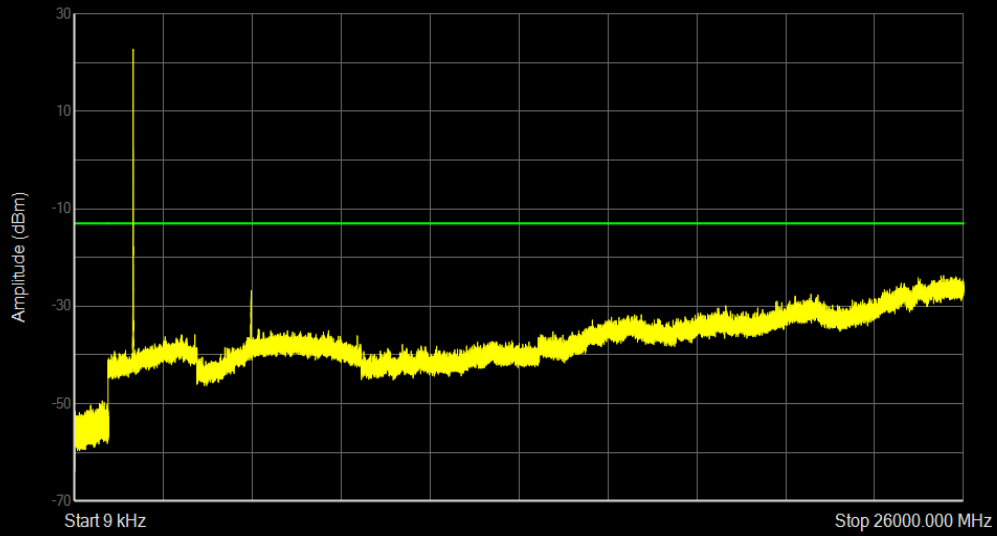




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

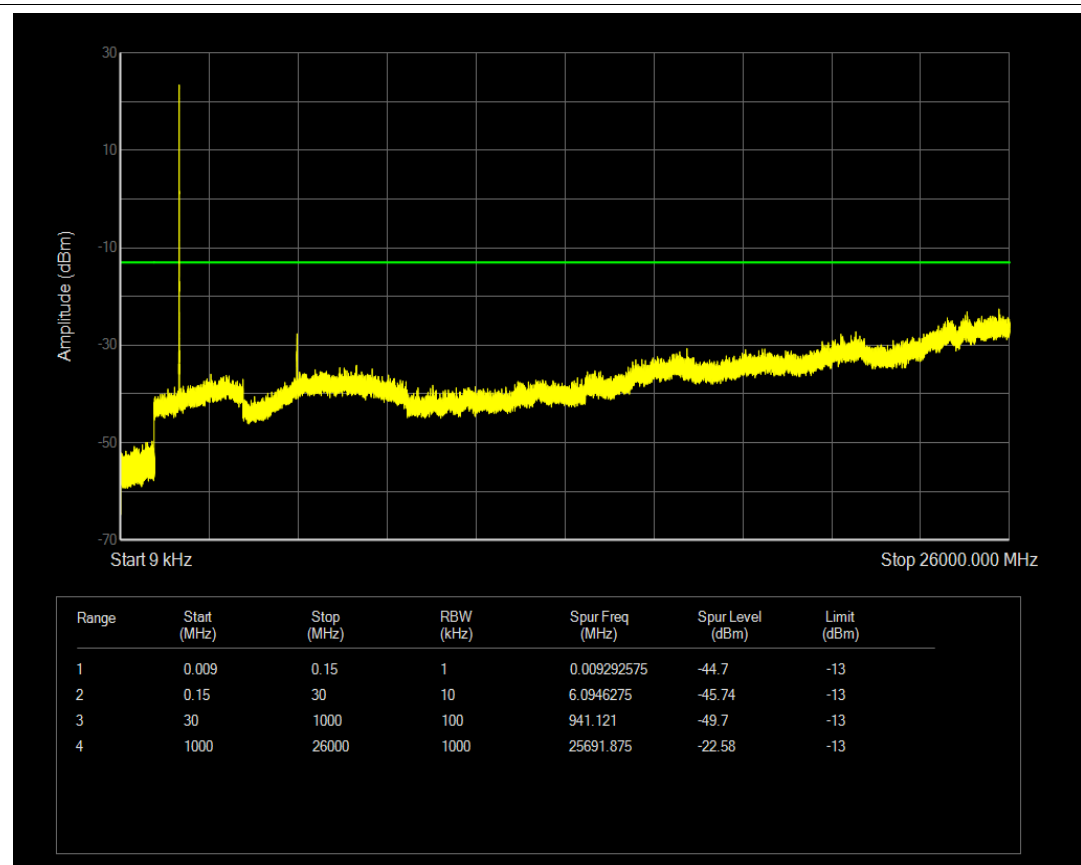


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

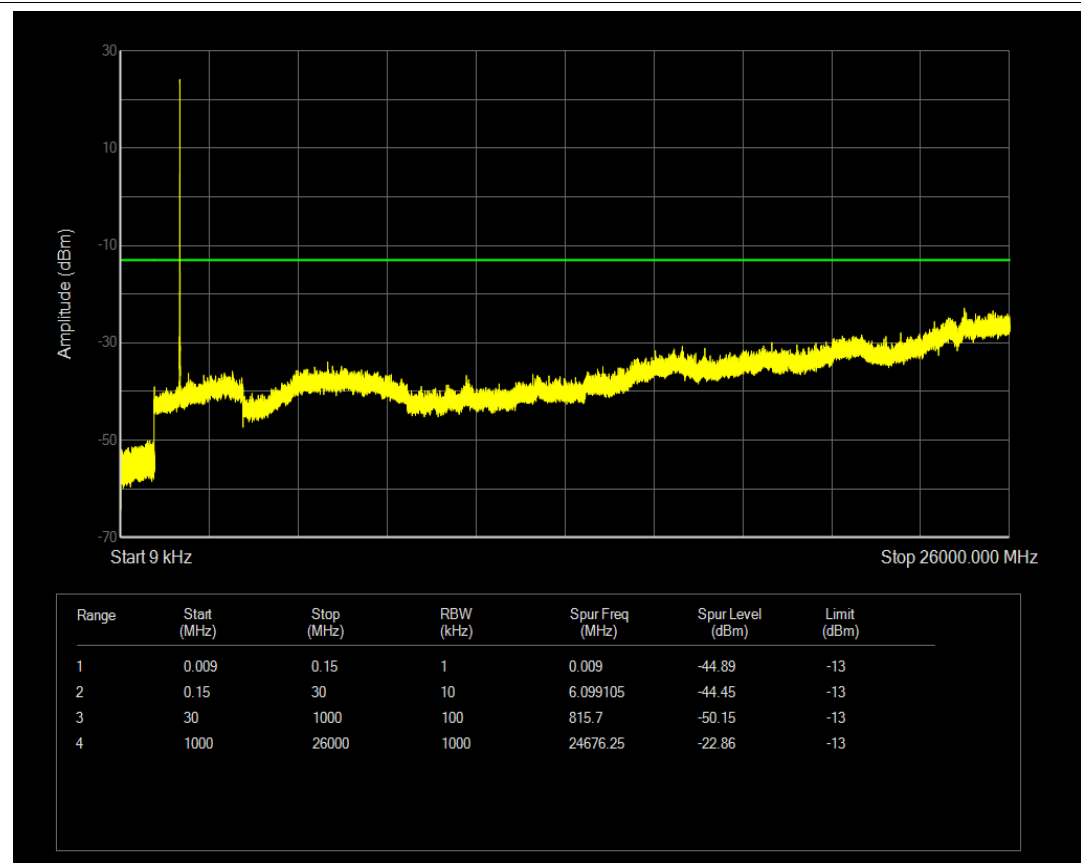


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00914805	-45	-13
2	0.15	30	10	6.08791125	-46.35	-13
3	30	1000	100	830.61375	-49.42	-13
4	1000	26000	1000	25416.875	-23.71	-13

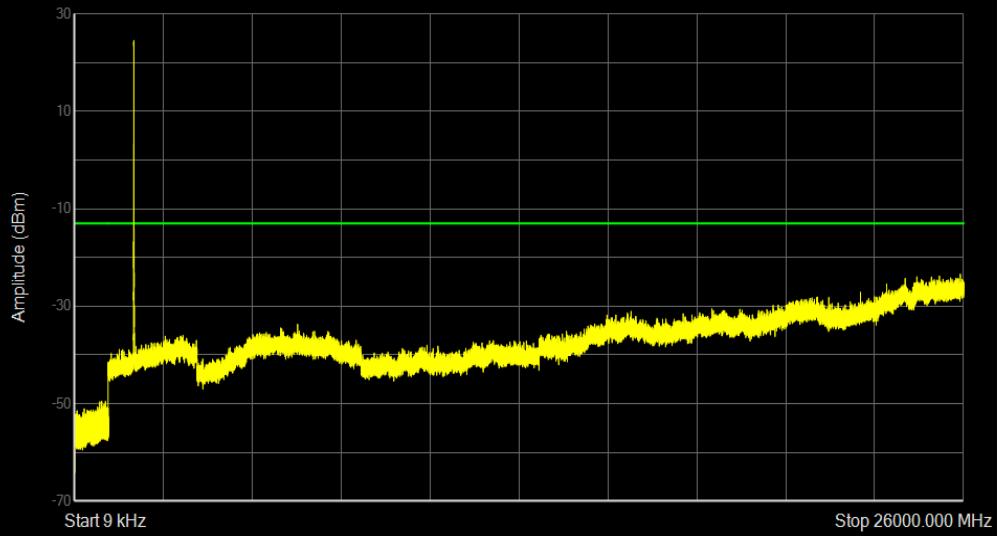
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



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

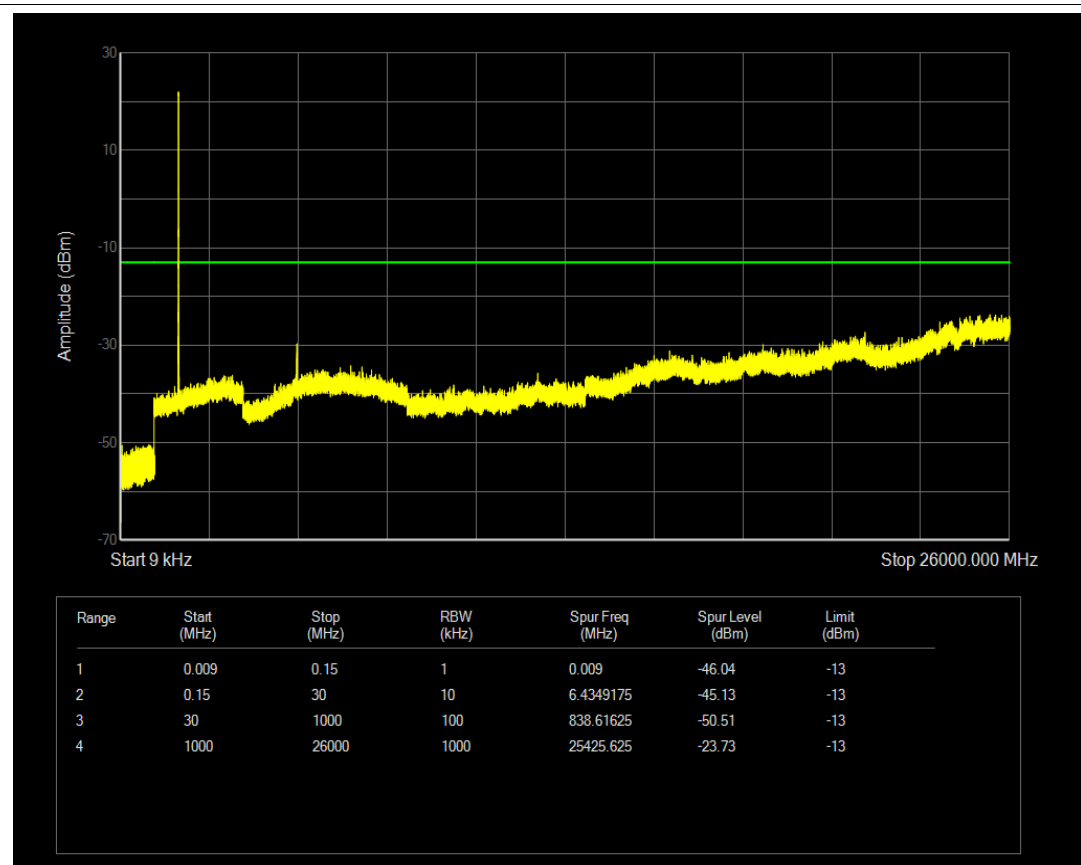


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

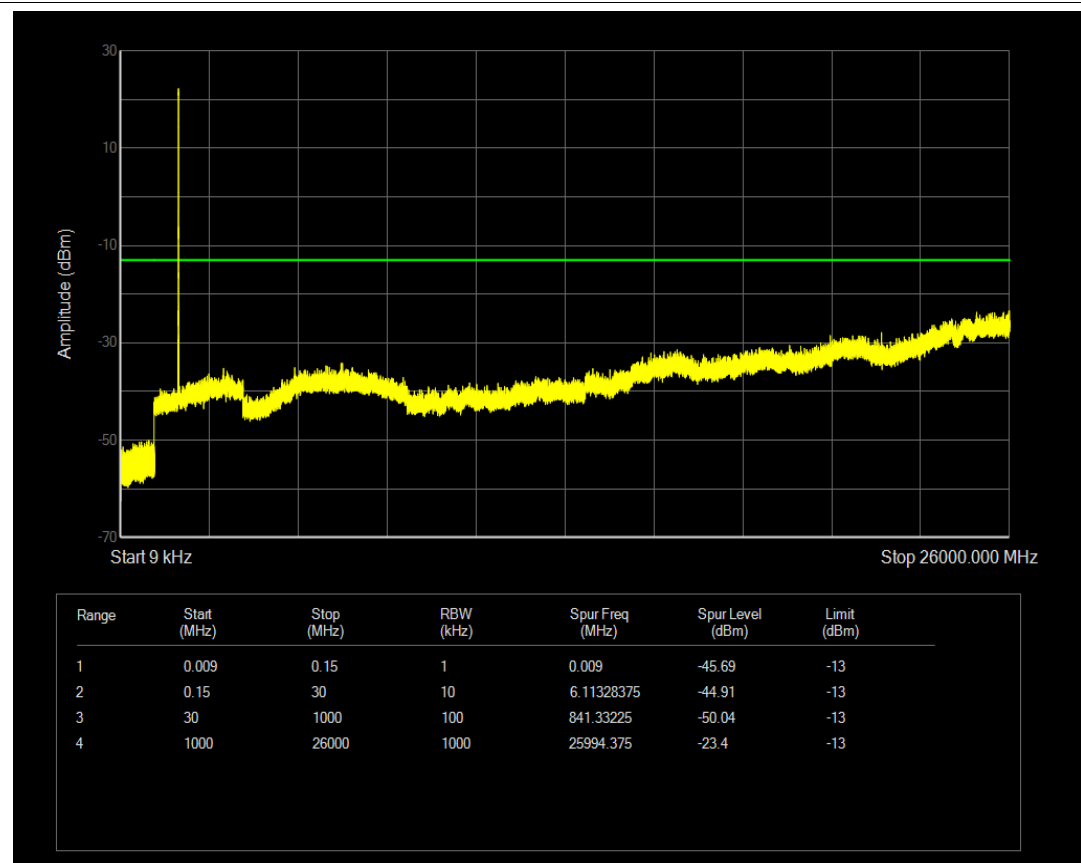


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009705	-45.03	-13
2	0.15	30	10	5.97746625	-45.53	-13
3	30	1000	100	923.83075	-49.52	-13
4	1000	26000	1000	25904.375	-23.42	-13

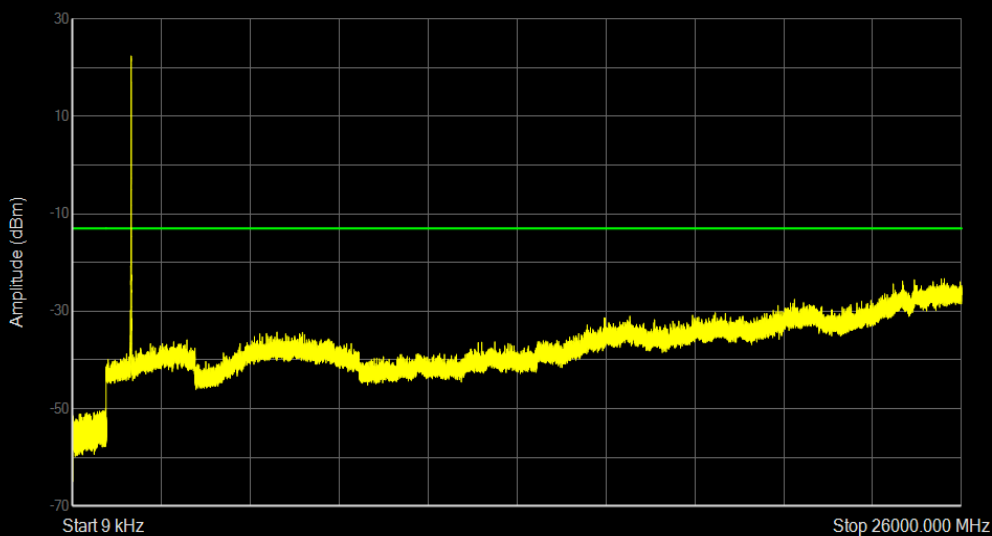
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



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

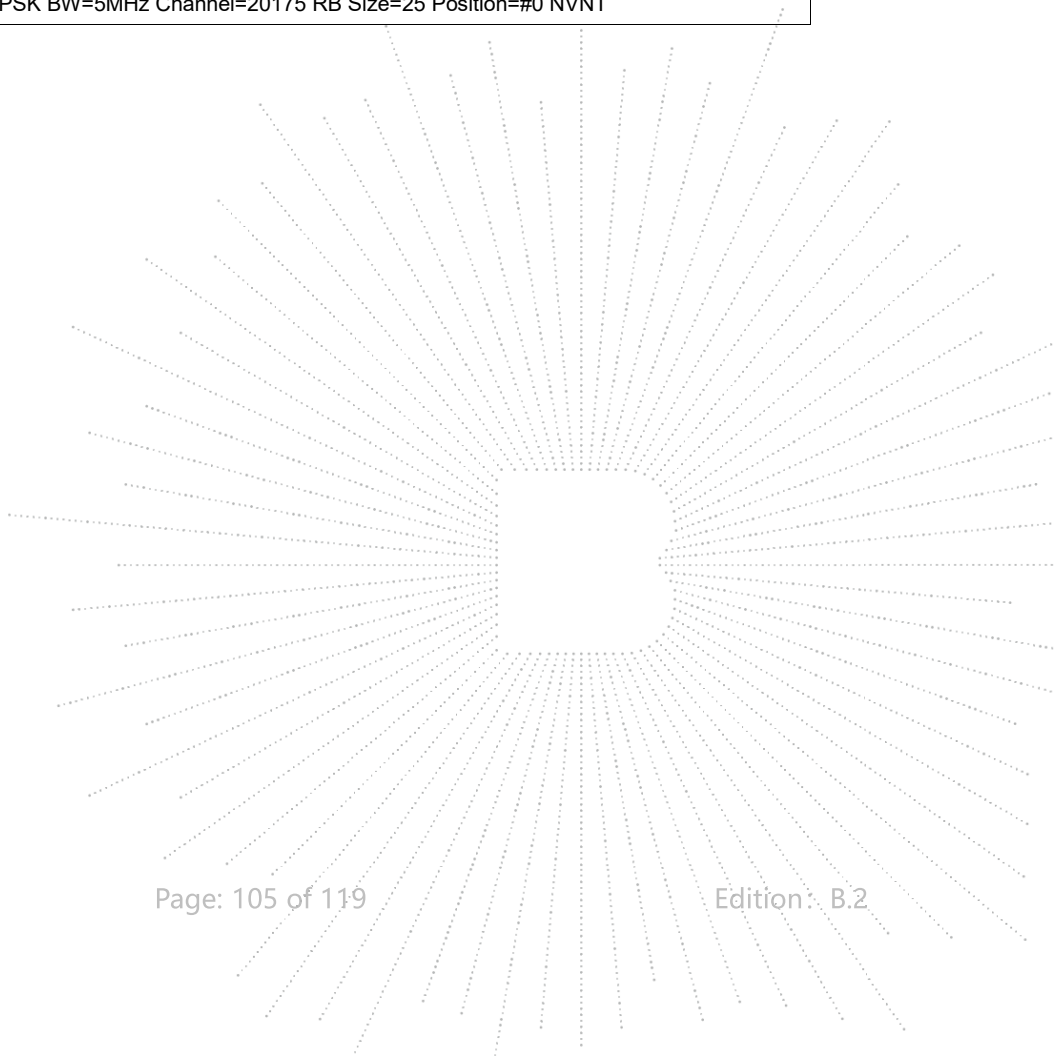


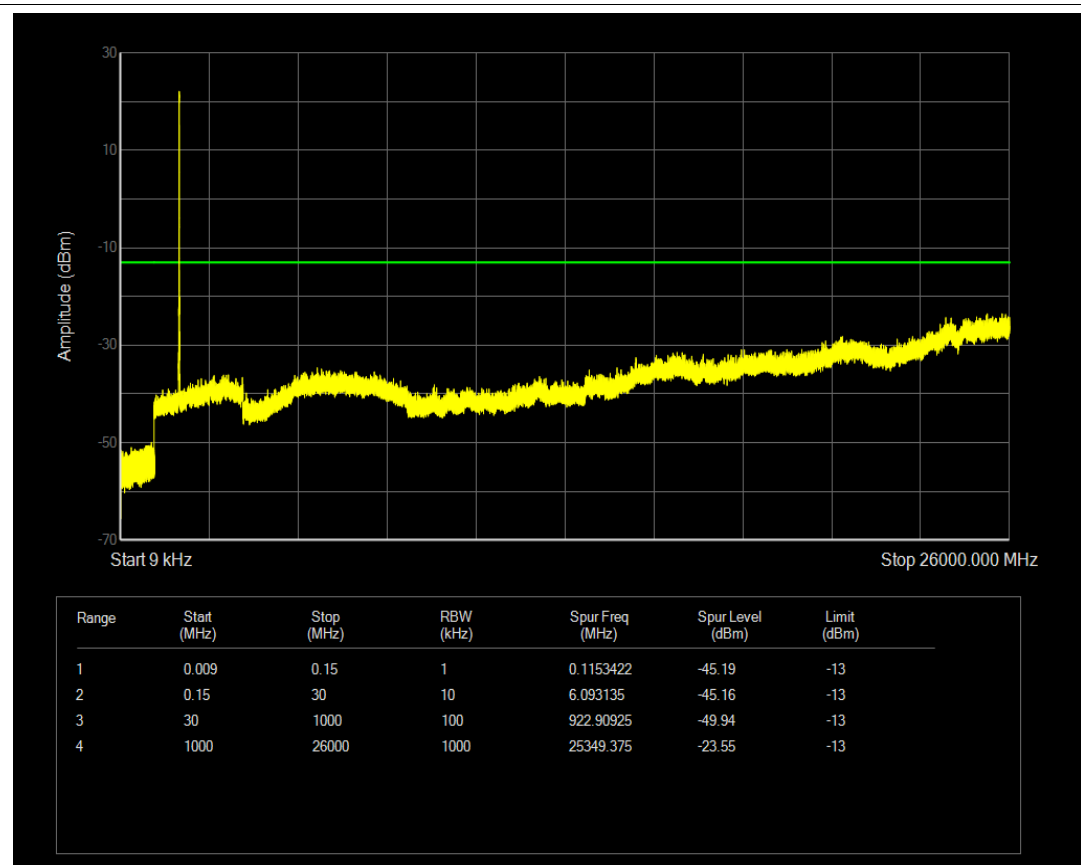
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



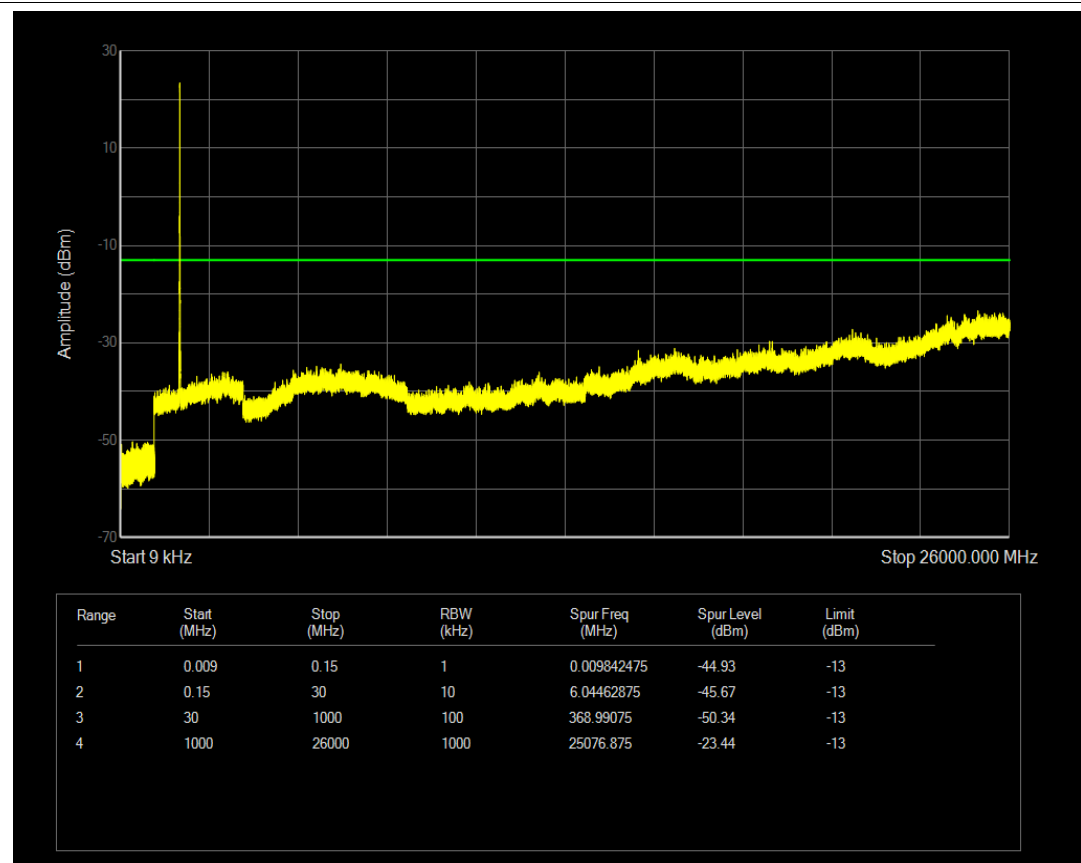
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-42.77	-13
2	0.15	30	10	6.10432875	-45.73	-13
3	30	1000	100	986.905	-49.94	-13
4	1000	26000	1000	25495.625	-23.31	-13

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

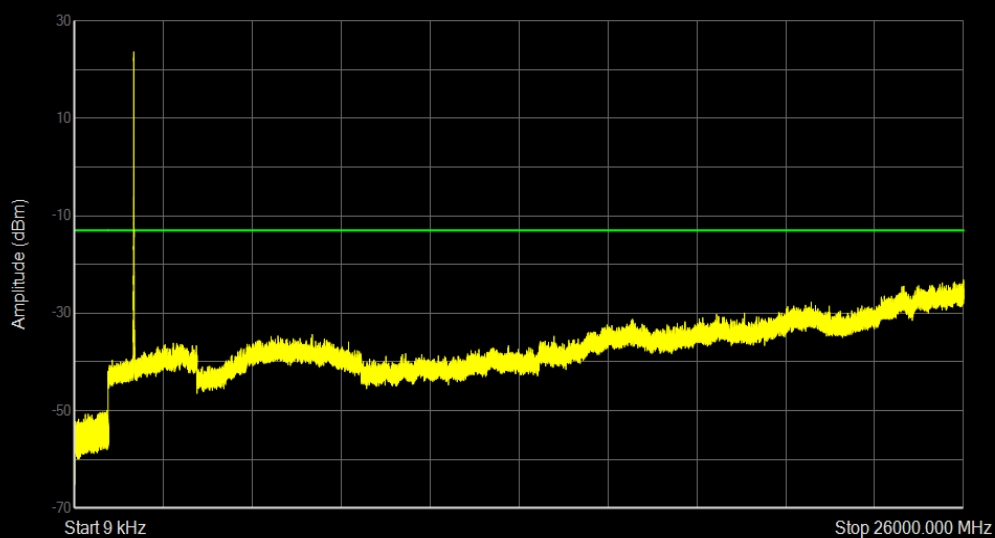




Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

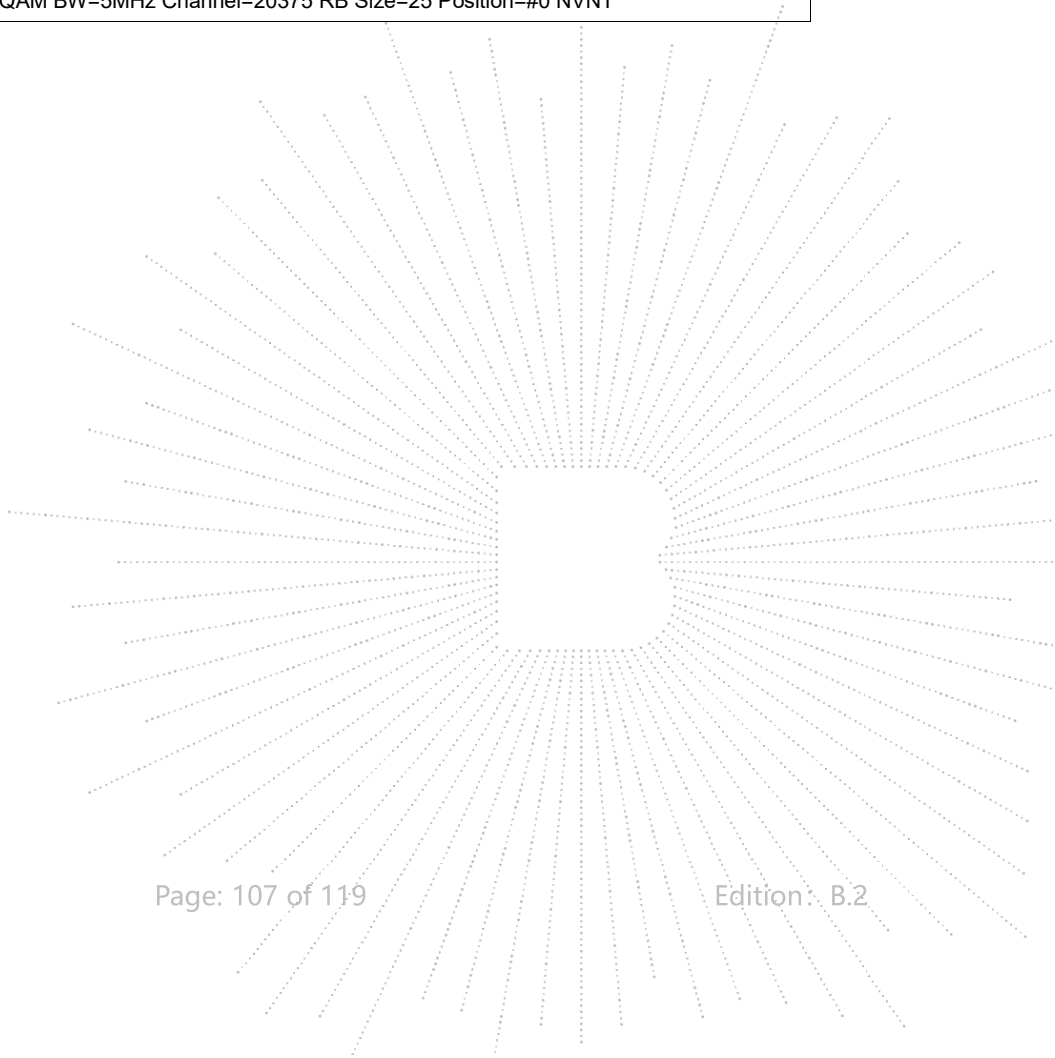


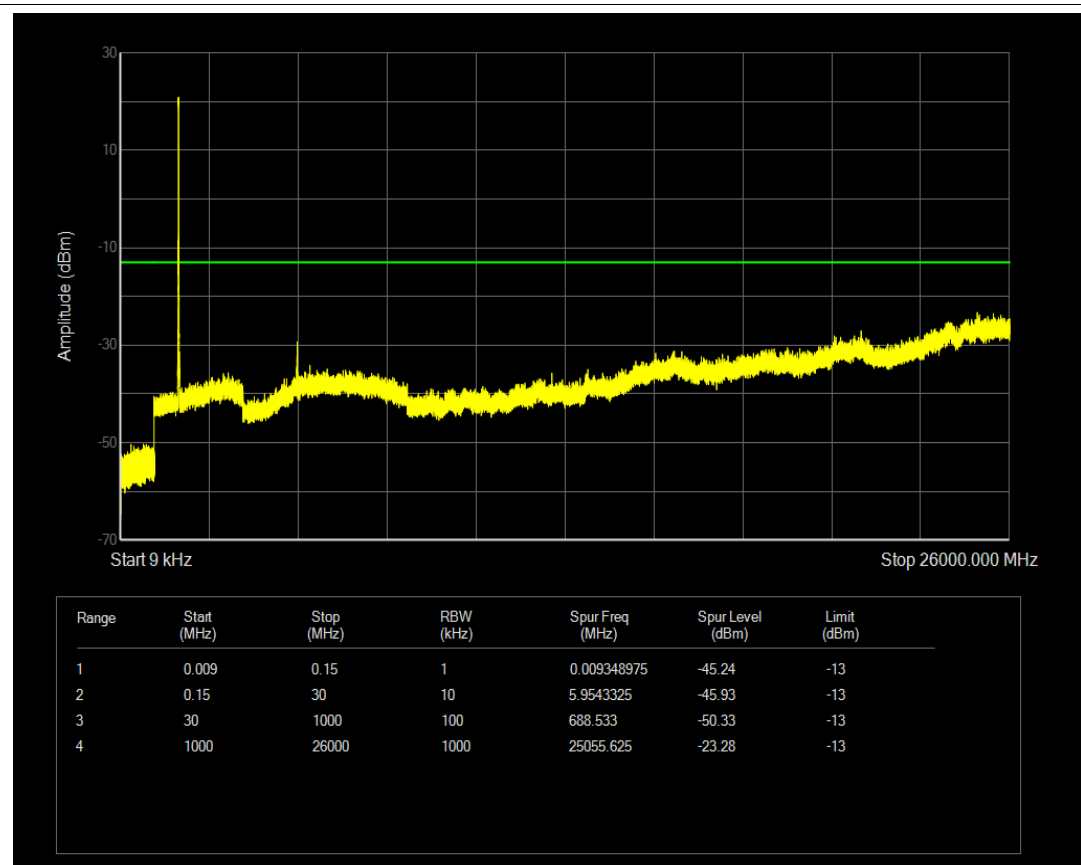
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



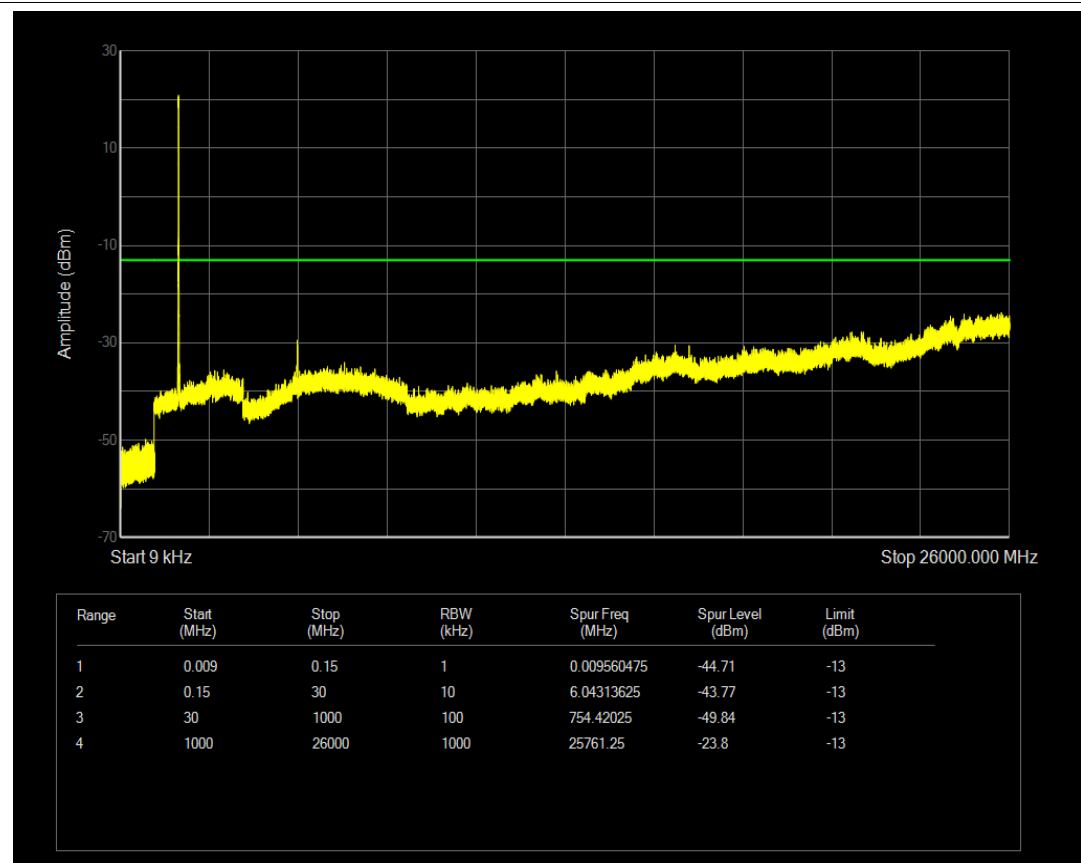
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.115916775	-46.04	-13
2	0.15	30	10	6.08492625	-46.01	-13
3	30	1000	100	967.1655	-49.97	-13
4	1000	26000	1000	25997.5	-23.15	-13

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

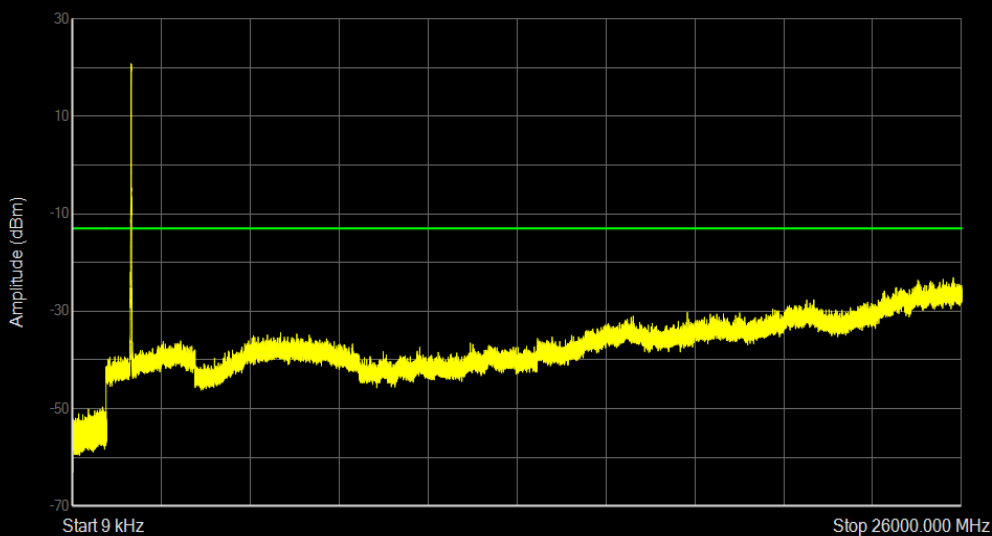




Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

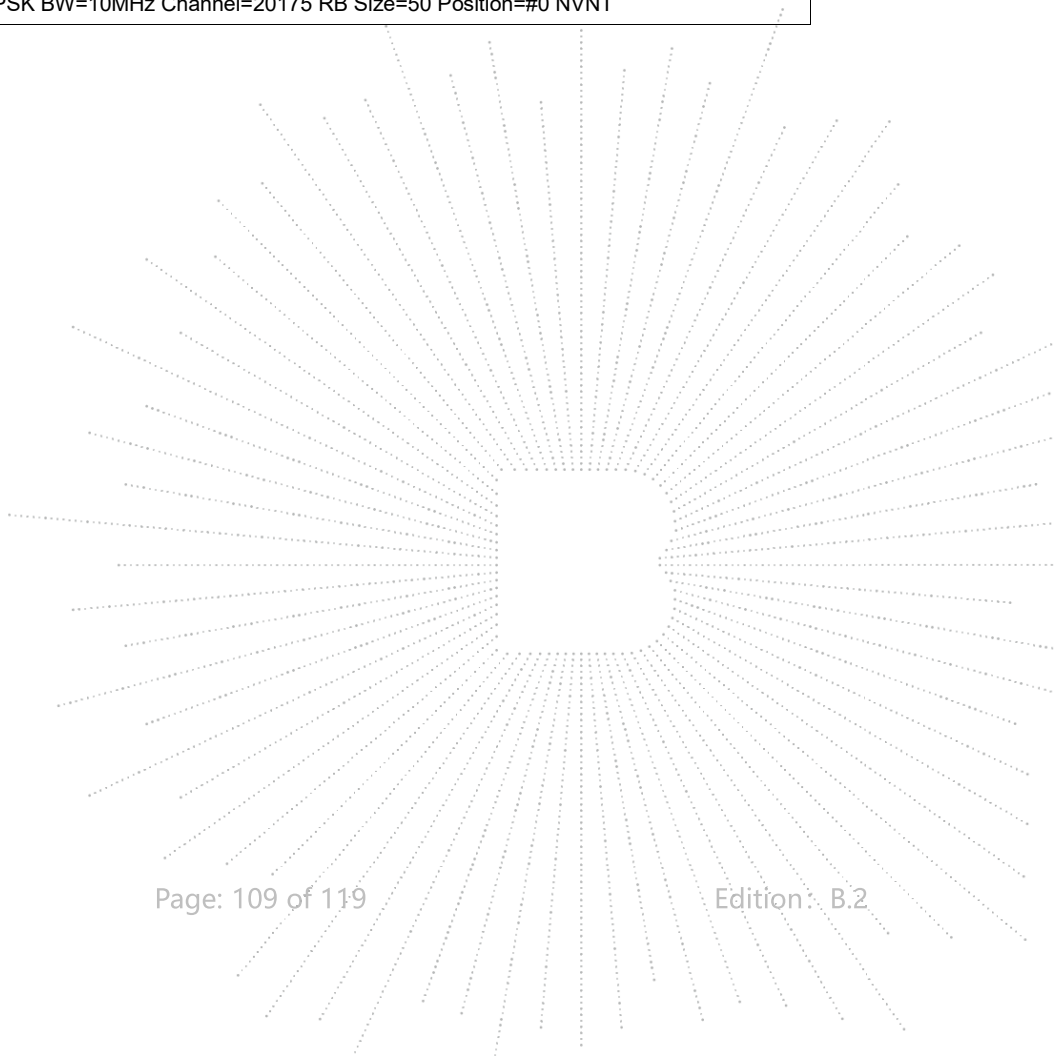


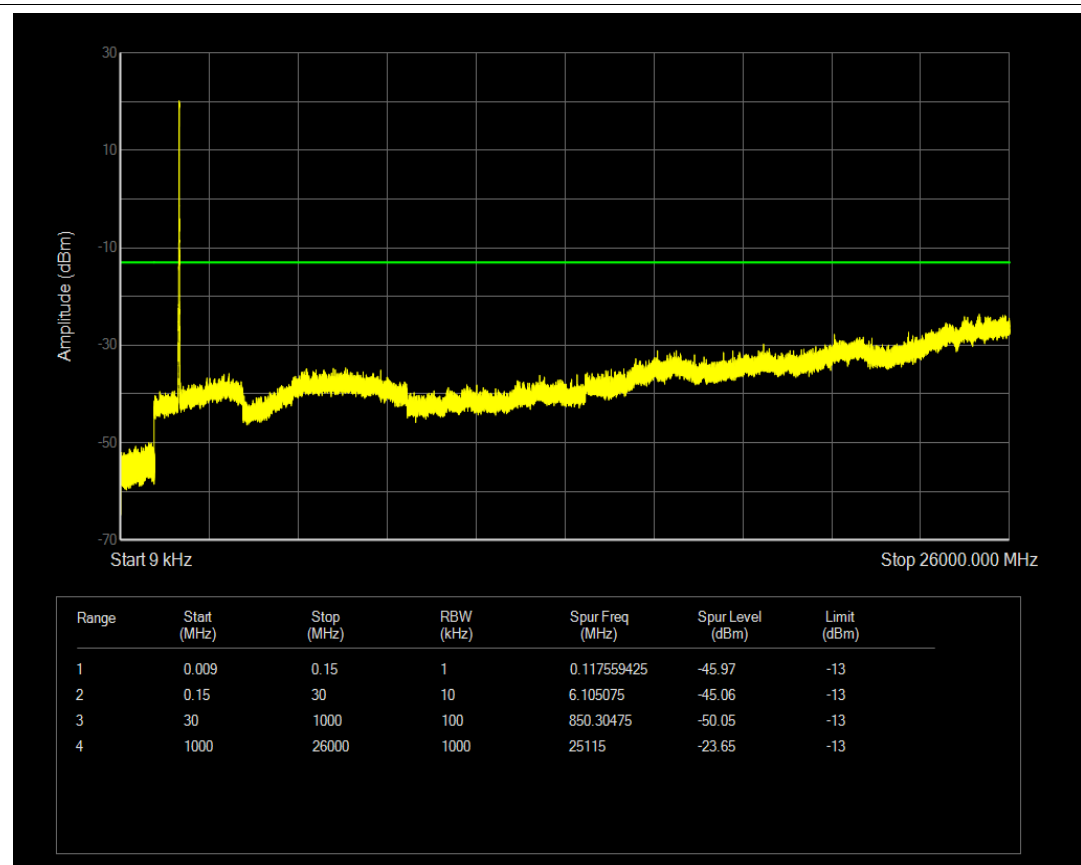
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



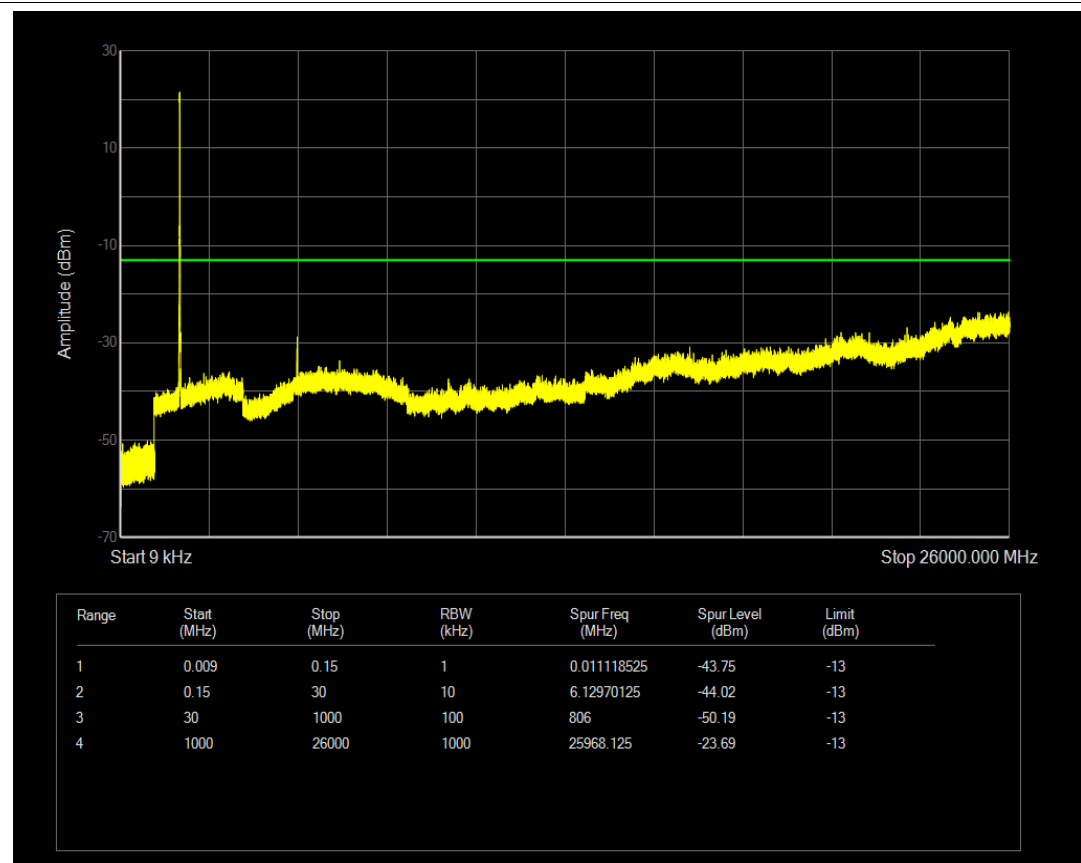
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090705	-43.5	-13
2	0.15	30	10	5.95881	-45.76	-13
3	30	1000	100	898.247	-49.67	-13
4	1000	26000	1000	25760	-23.1	-13

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

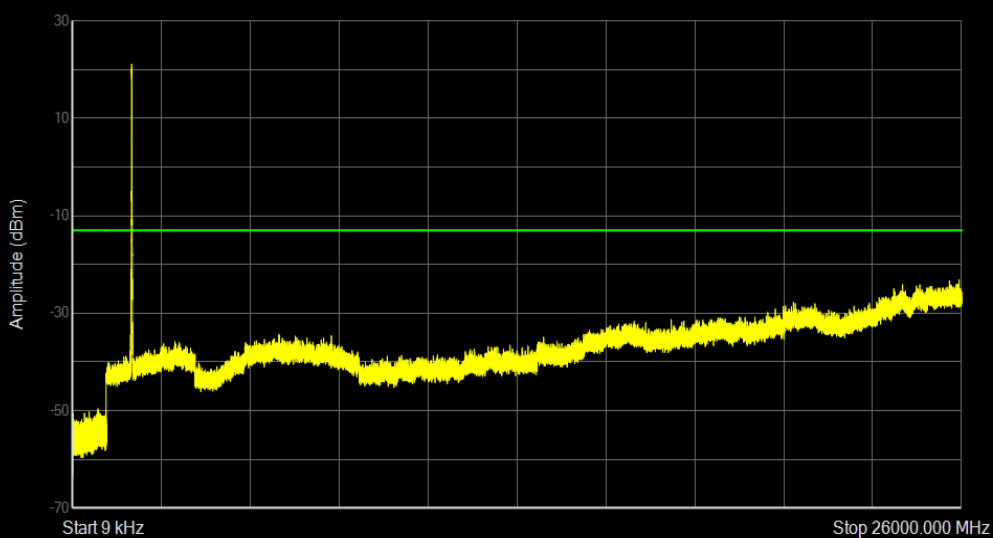




Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

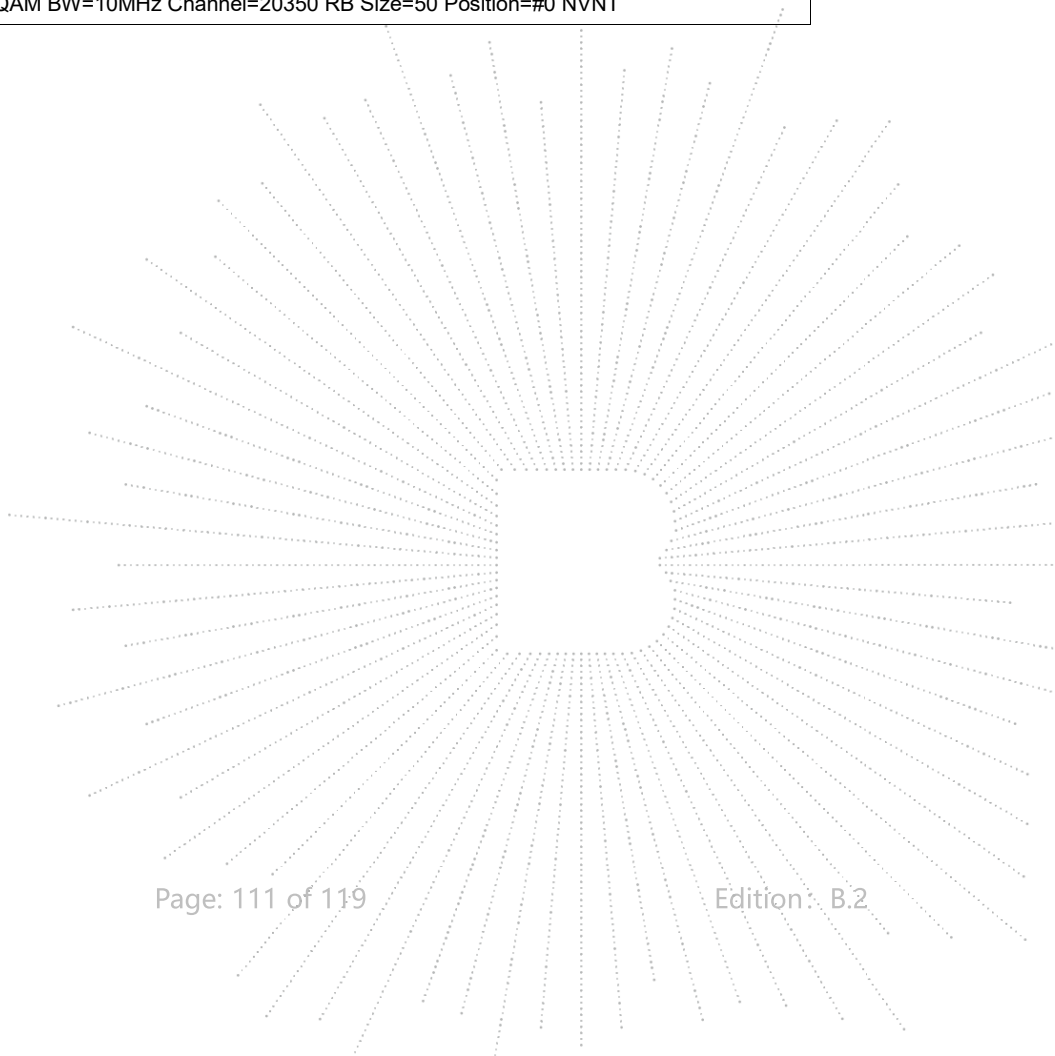


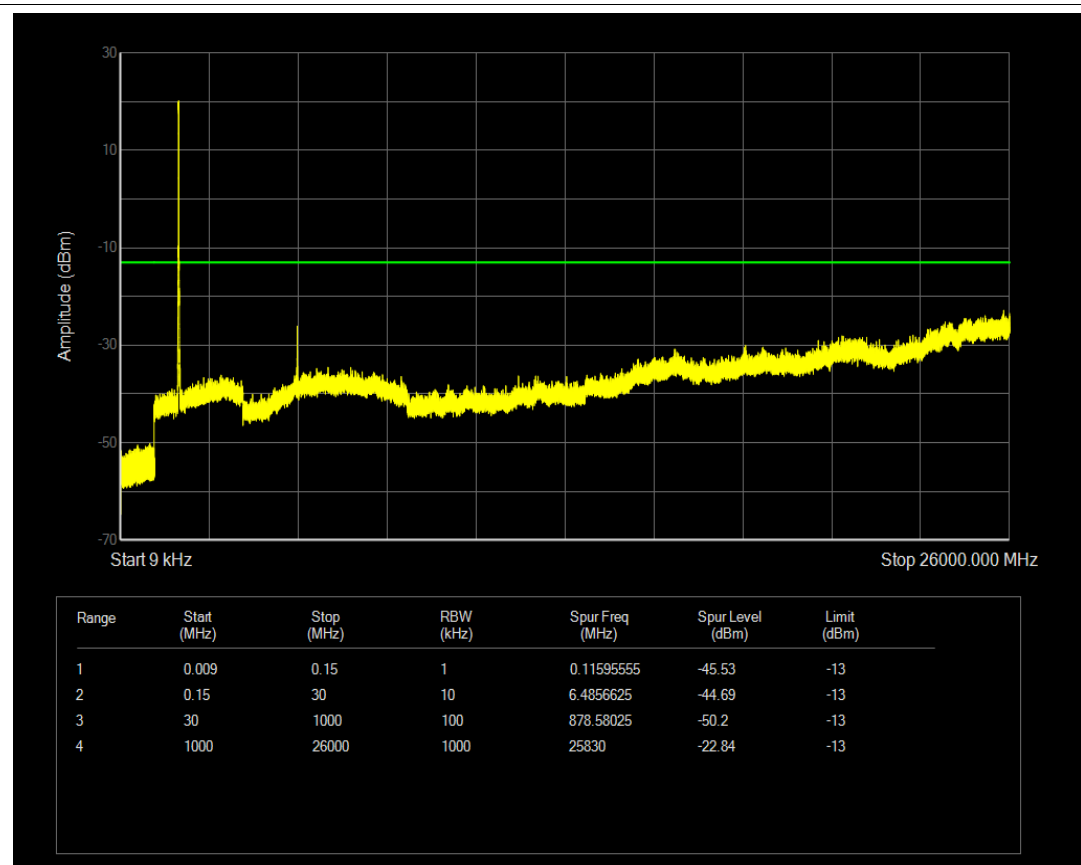
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



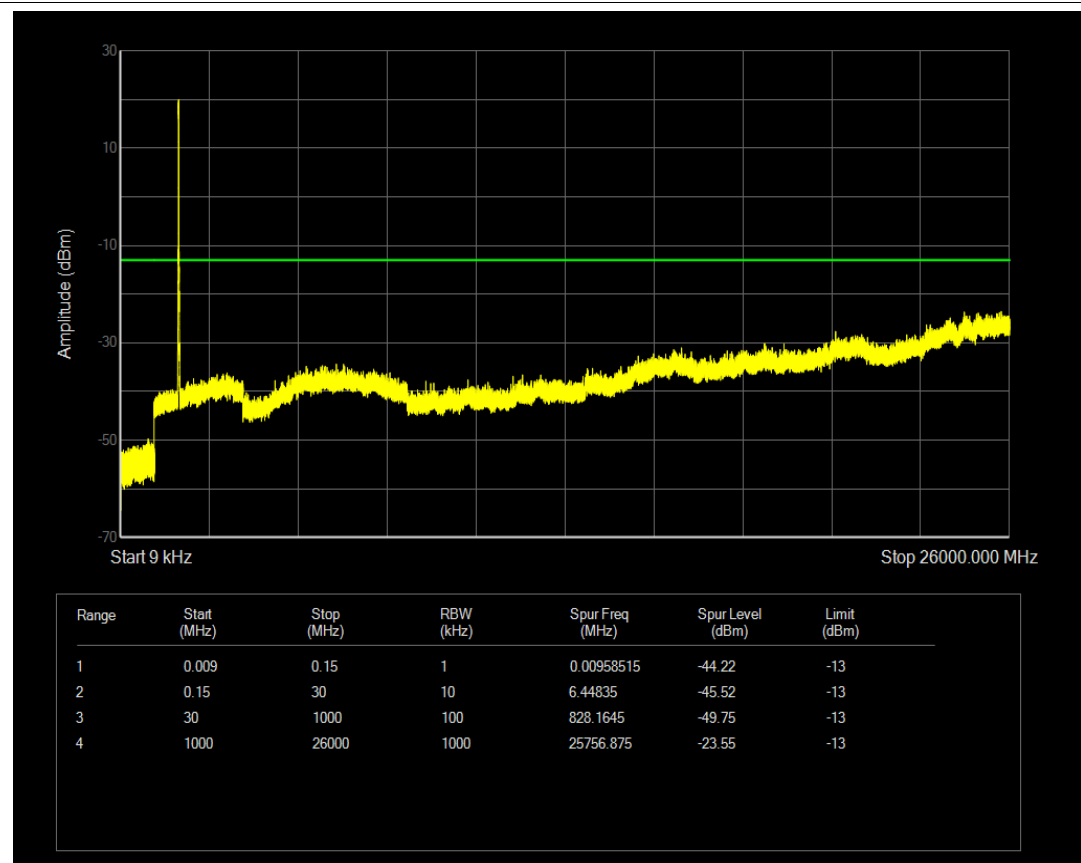
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010462875	-45.63	-13
2	0.15	30	10	6.1095525	-44.74	-13
3	30	1000	100	762.66525	-49.61	-13
4	1000	26000	1000	25926.875	-23.13	-13

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

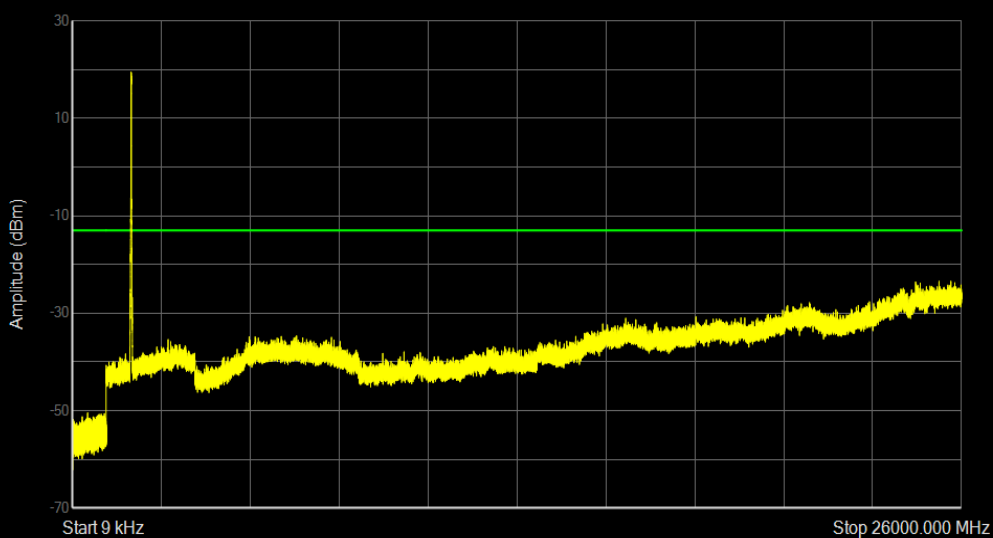




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

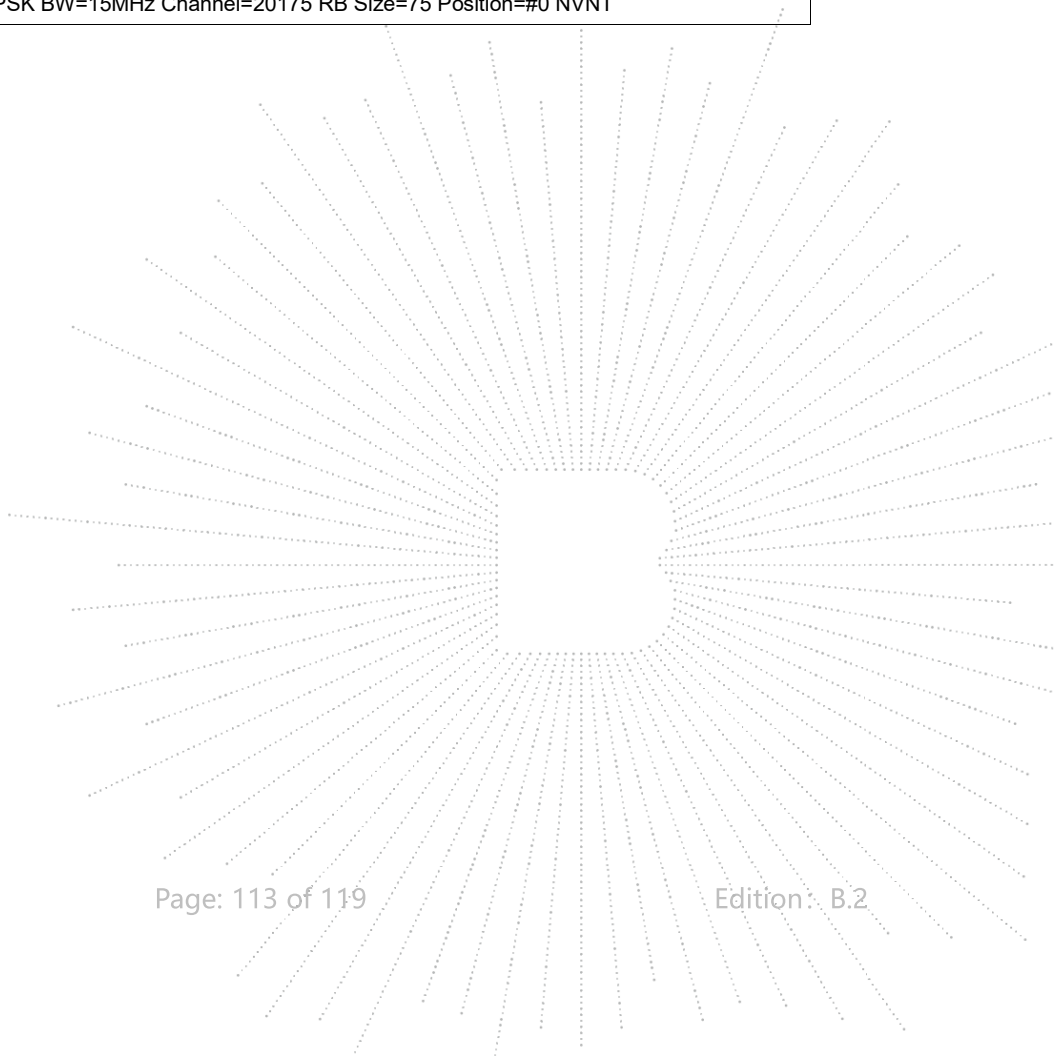


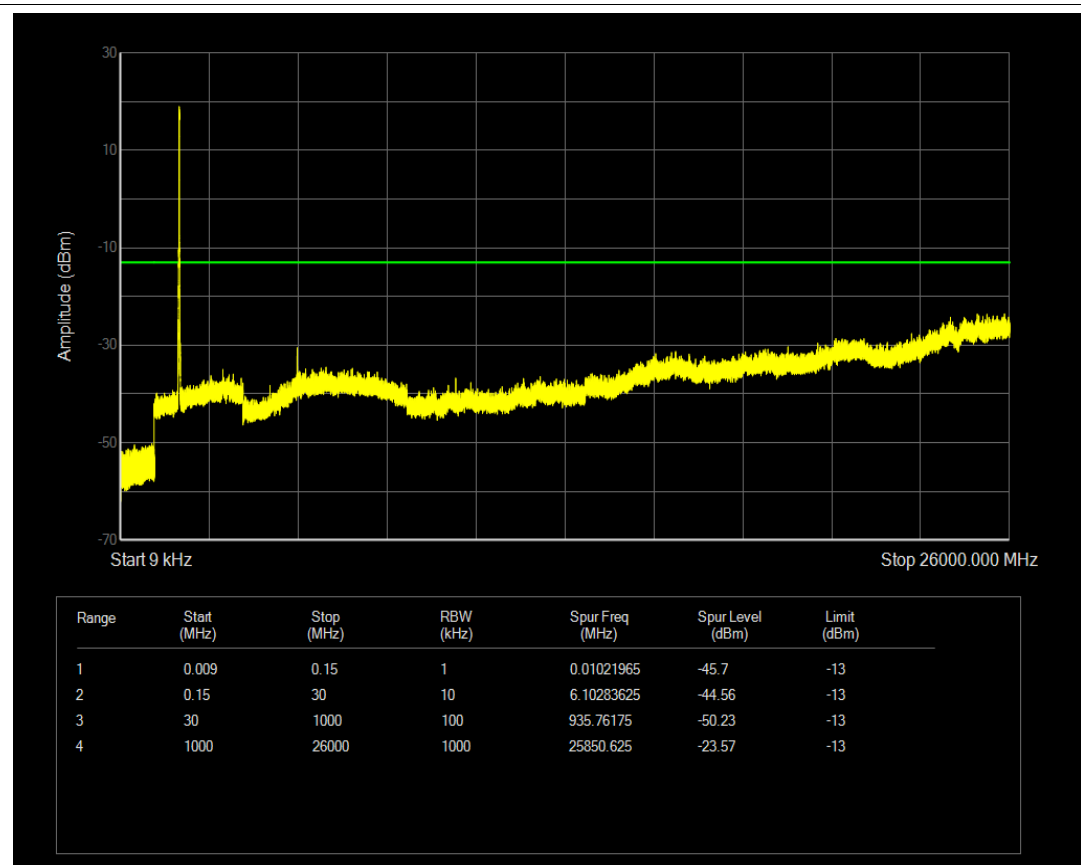
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



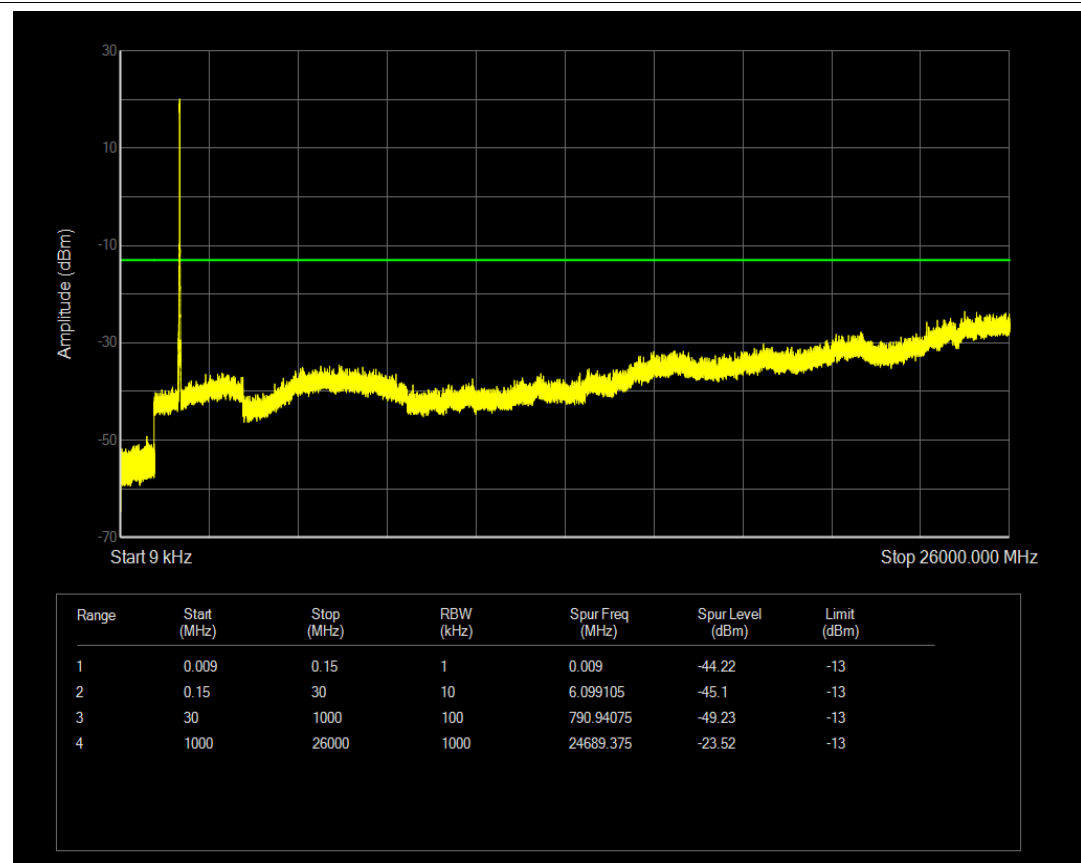
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0101421	-45.19	-13
2	0.15	30	10	6.10134375	-45.6	-13
3	30	1000	100	460.9225	-50.48	-13
4	1000	26000	1000	25687.5	-23.43	-13

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

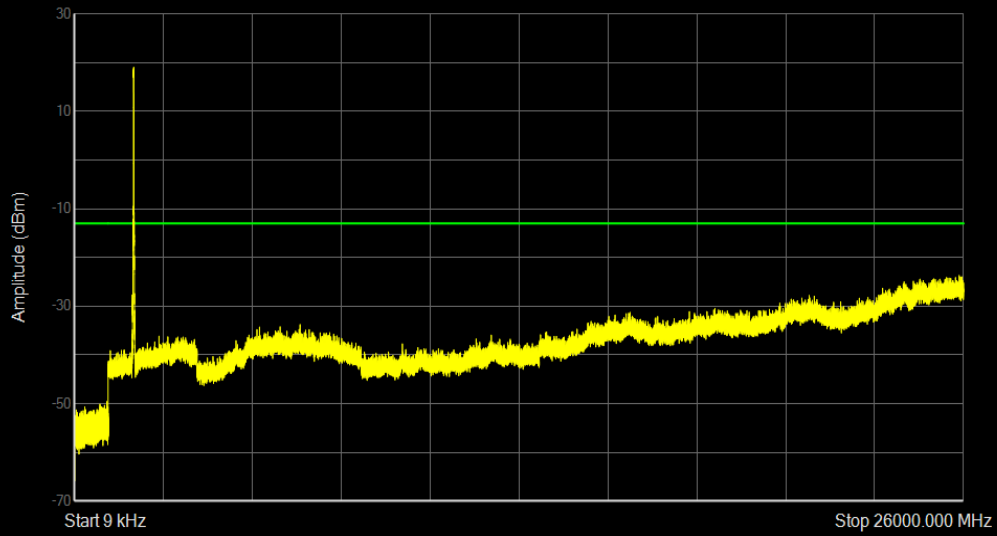




Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

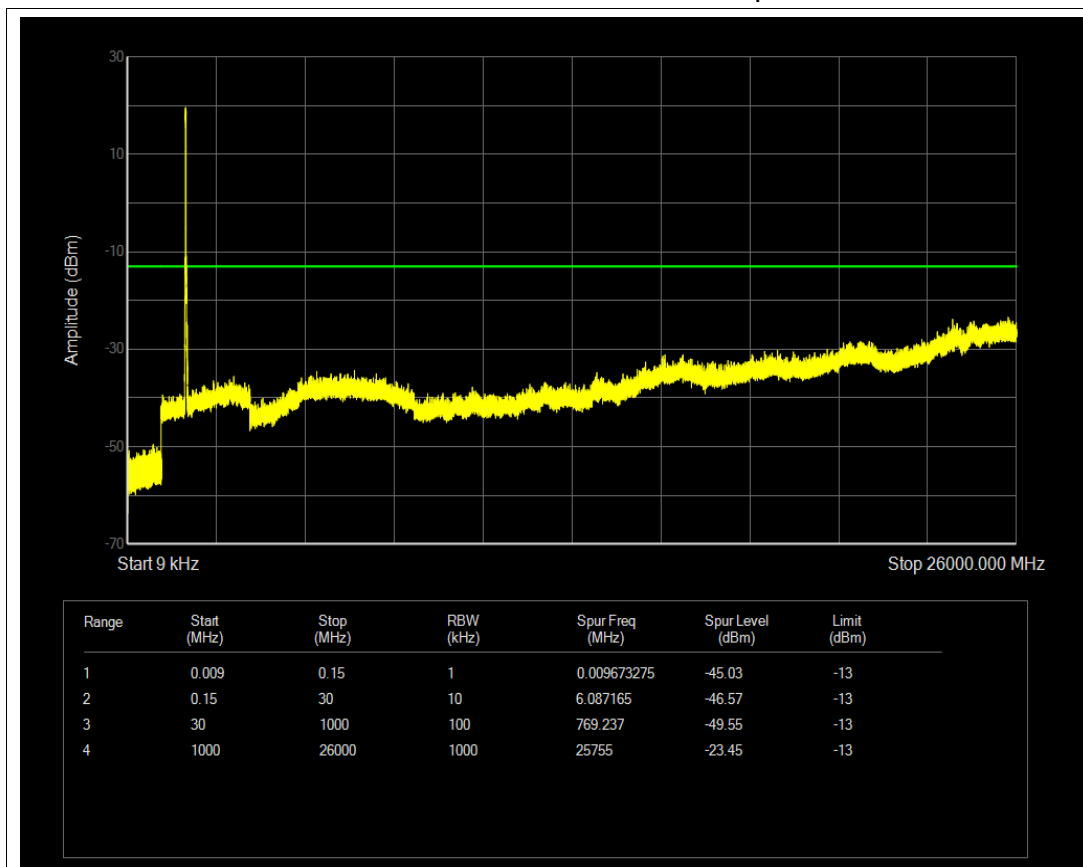


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

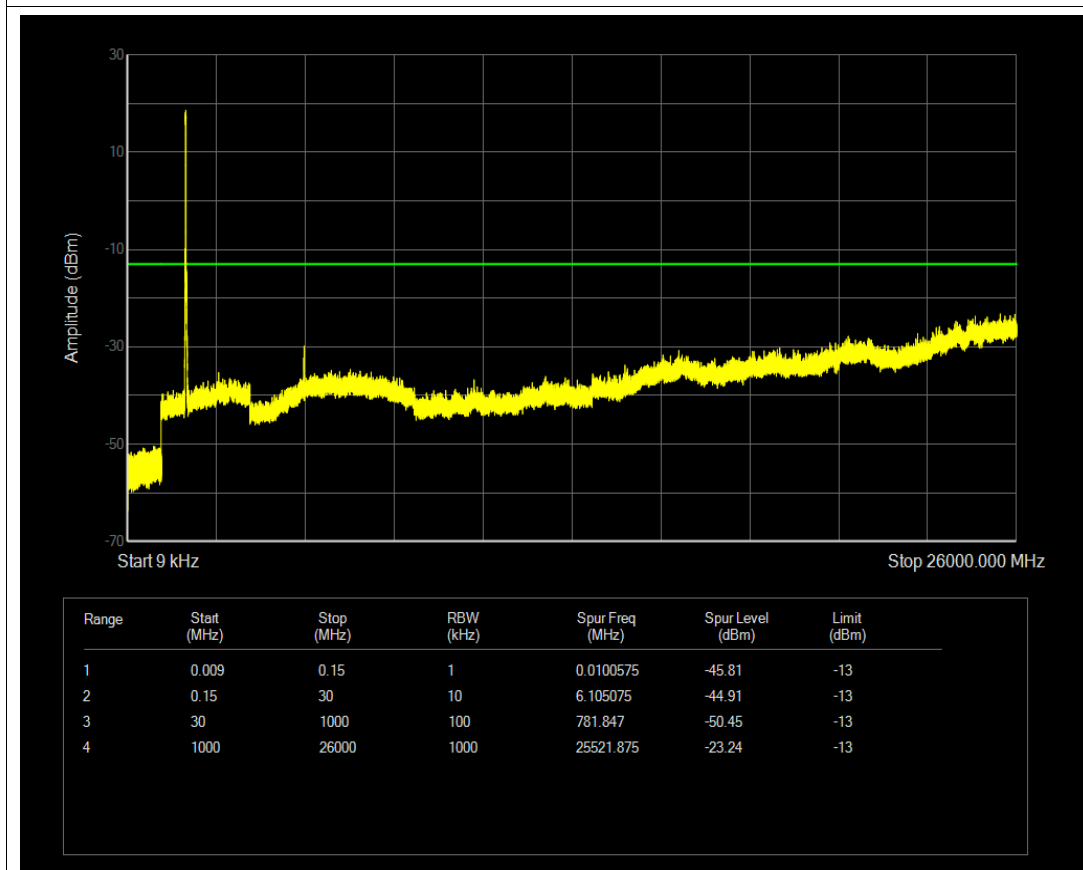


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095922	-45.38	-13
2	0.15	30	10	6.4767075	-44.91	-13
3	30	1000	100	964.013	-49.58	-13
4	1000	26000	1000	25870	-23.7	-13

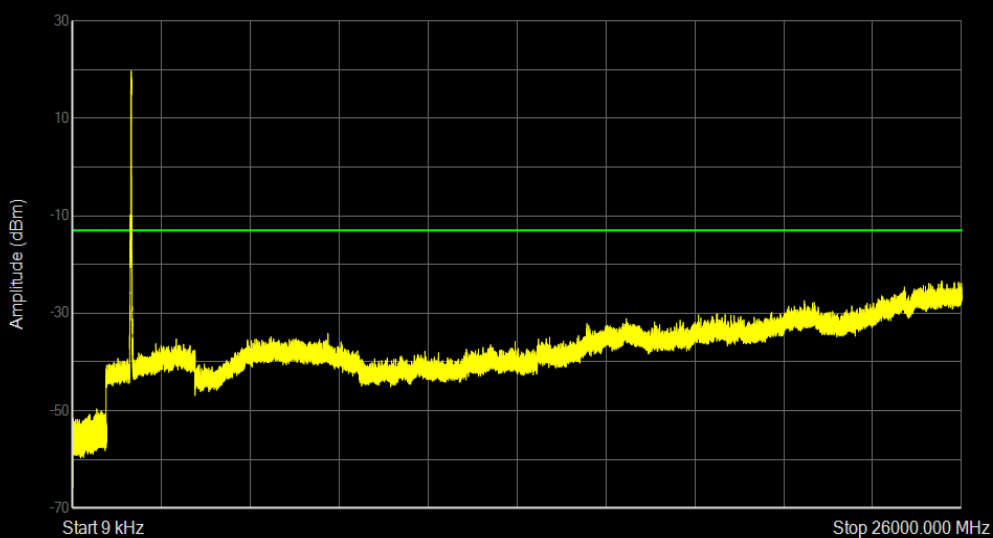
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



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

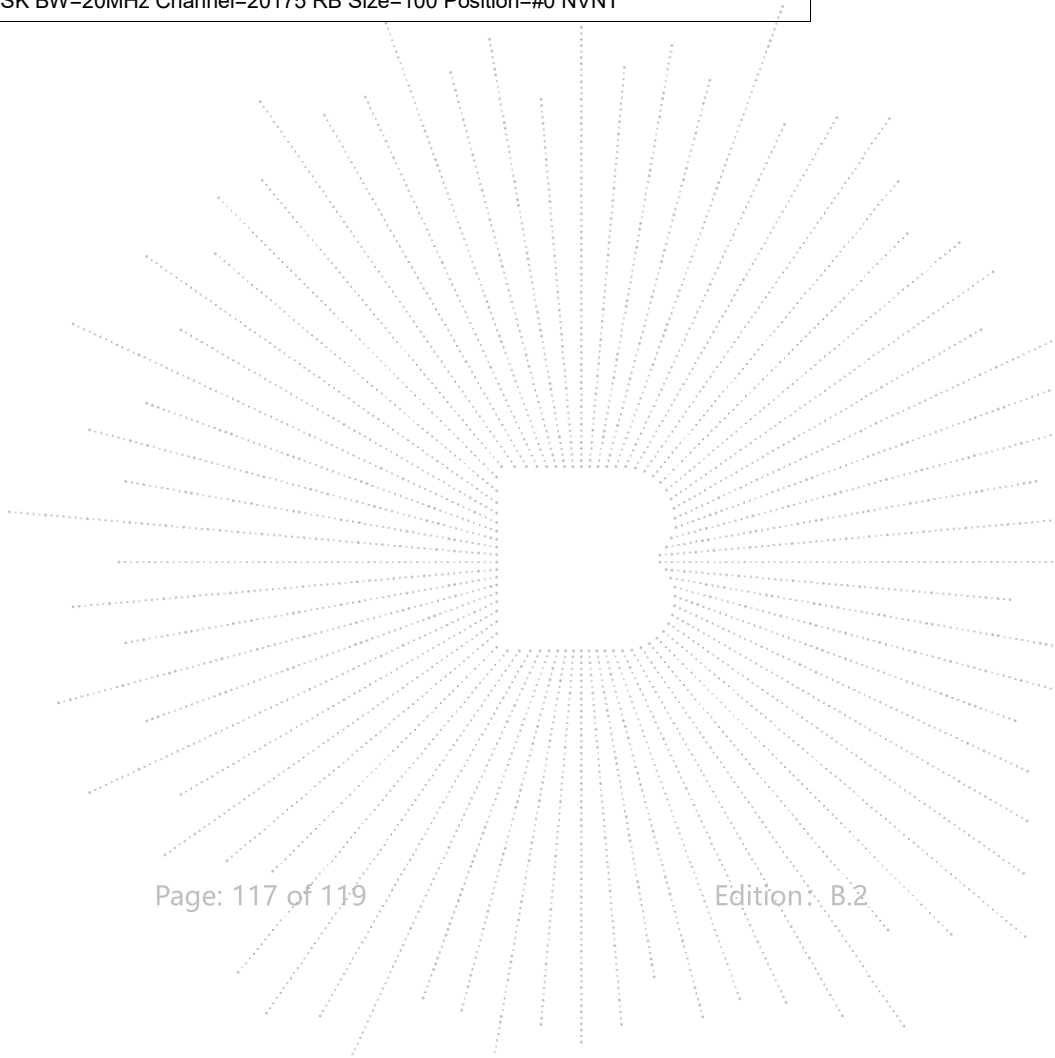


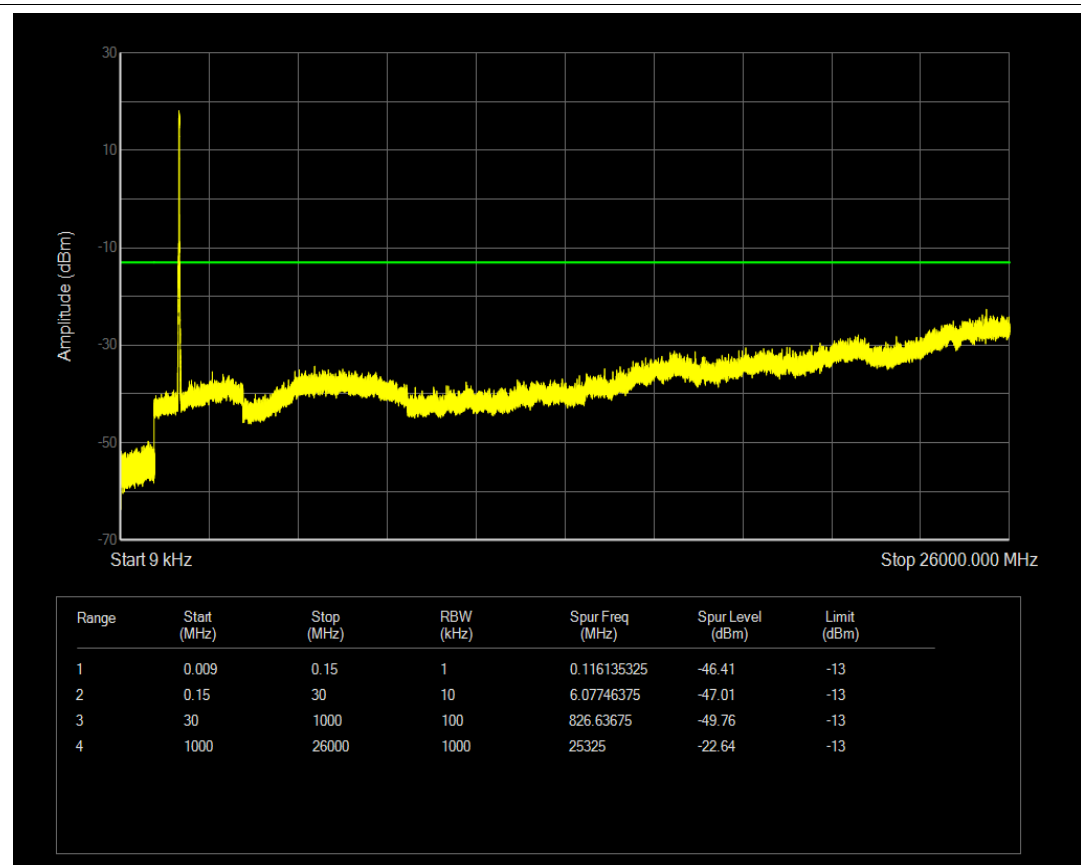
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



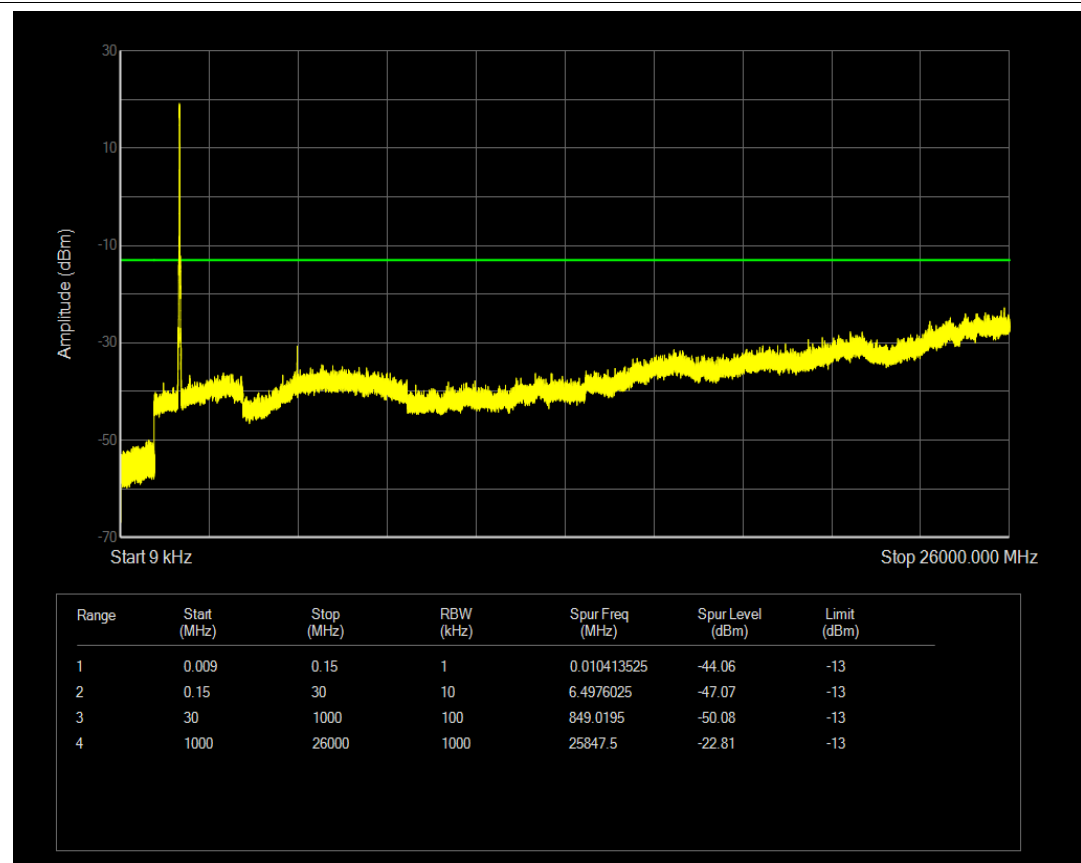
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009835425	-44.72	-13
2	0.15	30	10	6.11328375	-45.8	-13
3	30	1000	100	726.9935	-49.65	-13
4	1000	26000	1000	25416.25	-23.36	-13

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

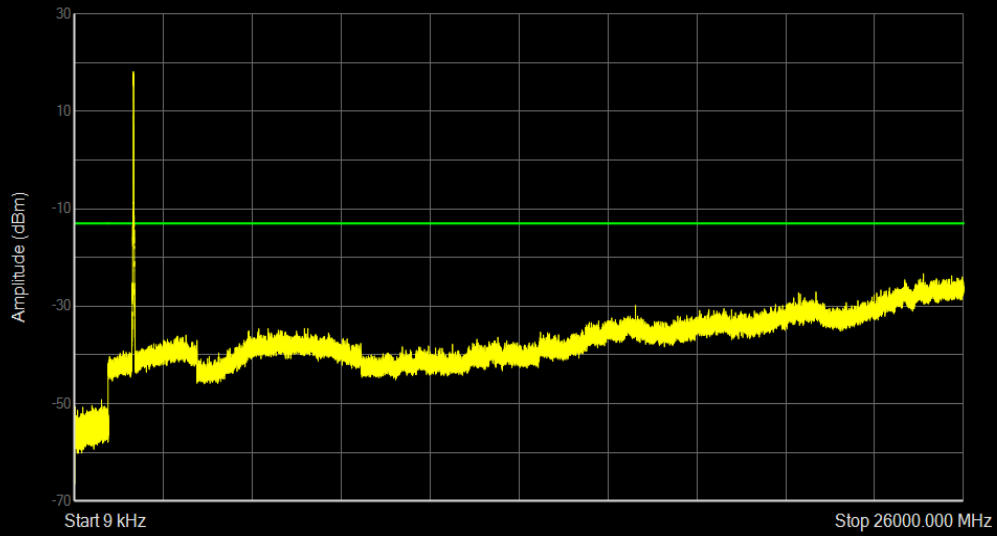




Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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	0.00913395	-44.92	-13
2	0.15	30	10	6.10209	-46.61	-13
3	30	1000	100	807.72175	-49.2	-13
4	1000	26000	1000	24827.5	-23.33	-13

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