

Appendix for Band 4

Report No.: BCTC2507499166-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart Phone

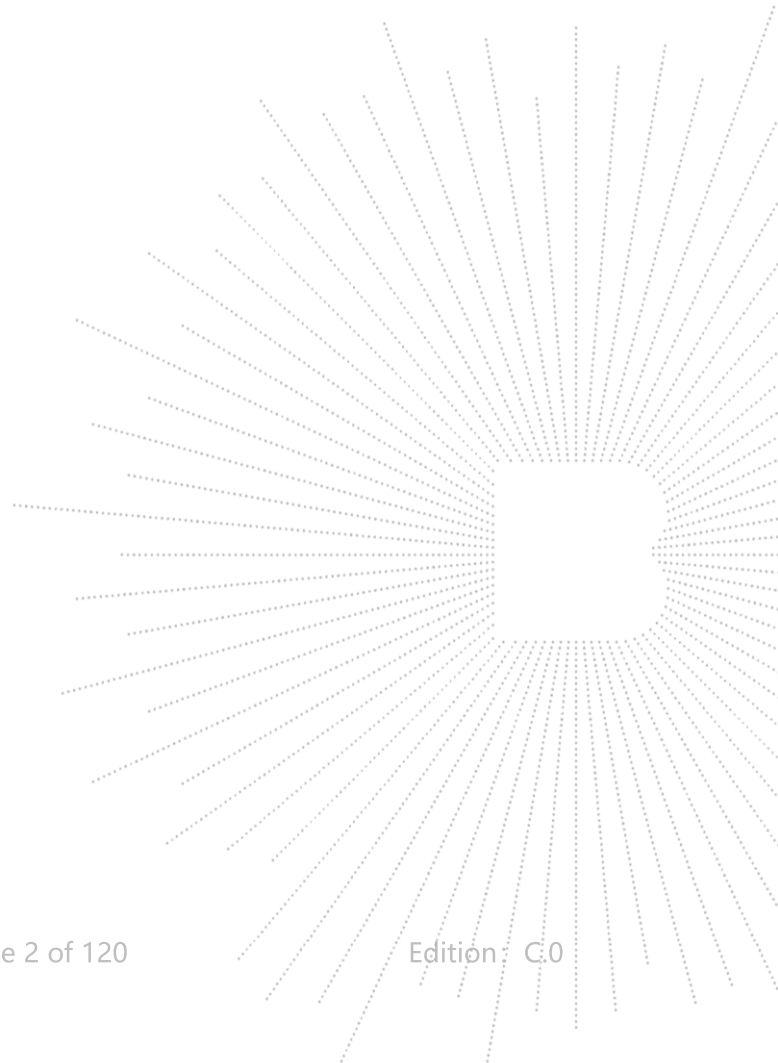
Test Model: F110L

Tested Date: 2025-07-02 to 2025-07-31

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	24.89	2.22	27.11	PASS
NVNT	Band4	1.4	19957	1	#Mid	QPSK	25.07	2.22	27.29	PASS
NVNT	Band4	1.4	19957	1	#Max	QPSK	24.94	2.22	27.16	PASS
NVNT	Band4	1.4	19957	3	#0	QPSK	24.85	2.22	27.07	PASS
NVNT	Band4	1.4	19957	3	#Mid	QPSK	24.92	2.22	27.14	PASS
NVNT	Band4	1.4	19957	3	#Max	QPSK	24.89	2.22	27.11	PASS
NVNT	Band4	1.4	19957	6	#0	QPSK	24.45	2.22	26.67	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	24.67	2.22	26.89	PASS
NVNT	Band4	1.4	19957	1	#Mid	16QAM	24.85	2.22	27.07	PASS
NVNT	Band4	1.4	19957	1	#Max	16QAM	24.73	2.22	26.95	PASS
NVNT	Band4	1.4	19957	3	#0	16QAM	24.84	2.22	27.06	PASS
NVNT	Band4	1.4	19957	3	#Mid	16QAM	24.90	2.22	27.12	PASS
NVNT	Band4	1.4	19957	3	#Max	16QAM	24.86	2.22	27.08	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	24.09	2.22	26.31	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	25.47	2.22	27.69	PASS
NVNT	Band4	1.4	20175	1	#Mid	QPSK	25.62	2.22	27.84	PASS
NVNT	Band4	1.4	20175	1	#Max	QPSK	25.46	2.22	27.68	PASS
NVNT	Band4	1.4	20175	3	#0	QPSK	25.66	2.22	27.88	PASS
NVNT	Band4	1.4	20175	3	#Mid	QPSK	25.71	2.22	27.93	PASS
NVNT	Band4	1.4	20175	3	#Max	QPSK	25.65	2.22	27.87	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	24.34	2.22	26.56	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	25.45	2.22	27.67	PASS
NVNT	Band4	1.4	20175	1	#Mid	16QAM	25.57	2.22	27.79	PASS
NVNT	Band4	1.4	20175	1	#Max	16QAM	25.46	2.22	27.68	PASS
NVNT	Band4	1.4	20175	3	#0	16QAM	25.00	2.22	27.22	PASS
NVNT	Band4	1.4	20175	3	#Mid	16QAM	25.00	2.22	27.22	PASS
NVNT	Band4	1.4	20175	3	#Max	16QAM	24.99	2.22	27.21	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	24.12	2.22	26.34	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	25.64	2.22	27.86	PASS
NVNT	Band4	1.4	20393	1	#Mid	QPSK	25.77	2.22	27.99	PASS
NVNT	Band4	1.4	20393	1	#Max	QPSK	25.59	2.22	27.81	PASS
NVNT	Band4	1.4	20393	3	#0	QPSK	25.65	2.22	27.87	PASS
NVNT	Band4	1.4	20393	3	#Mid	QPSK	25.69	2.22	27.91	PASS
NVNT	Band4	1.4	20393	3	#Max	QPSK	25.62	2.22	27.84	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	24.38	2.22	26.60	PASS

NVNT	Band4	1.4	20393	1	#0	16QAM	25.06	2.22	27.28	PASS
NVNT	Band4	1.4	20393	1	#Mid	16QAM	25.12	2.22	27.34	PASS
NVNT	Band4	1.4	20393	1	#Max	16QAM	25.10	2.22	27.32	PASS
NVNT	Band4	1.4	20393	3	#0	16QAM	24.93	2.22	27.15	PASS
NVNT	Band4	1.4	20393	3	#Mid	16QAM	24.97	2.22	27.19	PASS
NVNT	Band4	1.4	20393	3	#Max	16QAM	24.93	2.22	27.15	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	24.09	2.22	26.31	PASS
NVNT	Band4	3	19965	1	#0	QPSK	24.69	2.22	26.91	PASS
NVNT	Band4	3	19965	1	#Mid	QPSK	24.92	2.22	27.14	PASS
NVNT	Band4	3	19965	1	#Max	QPSK	24.78	2.22	27.00	PASS
NVNT	Band4	3	19965	8	#0	QPSK	24.43	2.22	26.65	PASS
NVNT	Band4	3	19965	8	#Mid	QPSK	24.50	2.22	26.72	PASS
NVNT	Band4	3	19965	8	#Max	QPSK	24.50	2.22	26.72	PASS
NVNT	Band4	3	19965	15	#0	QPSK	24.46	2.22	26.68	PASS
NVNT	Band4	3	19965	1	#0	16QAM	24.86	2.22	27.08	PASS
NVNT	Band4	3	19965	1	#Mid	16QAM	25.08	2.22	27.30	PASS
NVNT	Band4	3	19965	1	#Max	16QAM	24.94	2.22	27.16	PASS
NVNT	Band4	3	19965	8	#0	16QAM	23.97	2.22	26.19	PASS
NVNT	Band4	3	19965	8	#Mid	16QAM	23.99	2.22	26.21	PASS
NVNT	Band4	3	19965	8	#Max	16QAM	23.95	2.22	26.17	PASS
NVNT	Band4	3	19965	15	#0	16QAM	24.16	2.22	26.38	PASS
NVNT	Band4	3	20175	1	#0	QPSK	25.39	2.22	27.61	PASS
NVNT	Band4	3	20175	1	#Mid	QPSK	25.57	2.22	27.79	PASS
NVNT	Band4	3	20175	1	#Max	QPSK	25.40	2.22	27.62	PASS
NVNT	Band4	3	20175	8	#0	QPSK	24.41	2.22	26.63	PASS
NVNT	Band4	3	20175	8	#Mid	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	3	20175	8	#Max	QPSK	24.34	2.22	26.56	PASS
NVNT	Band4	3	20175	15	#0	QPSK	24.35	2.22	26.57	PASS
NVNT	Band4	3	20175	1	#0	16QAM	25.36	2.22	27.58	PASS
NVNT	Band4	3	20175	1	#Mid	16QAM	25.54	2.22	27.76	PASS
NVNT	Band4	3	20175	1	#Max	16QAM	25.39	2.22	27.61	PASS
NVNT	Band4	3	20175	8	#0	16QAM	24.11	2.22	26.33	PASS
NVNT	Band4	3	20175	8	#Mid	16QAM	24.07	2.22	26.29	PASS
NVNT	Band4	3	20175	8	#Max	16QAM	24.14	2.22	26.36	PASS
NVNT	Band4	3	20175	15	#0	16QAM	24.00	2.22	26.22	PASS
NVNT	Band4	3	20385	1	#0	QPSK	25.63	2.22	27.85	PASS
NVNT	Band4	3	20385	1	#Mid	QPSK	25.74	2.22	27.96	PASS
NVNT	Band4	3	20385	1	#Max	QPSK	25.57	2.22	27.79	PASS
NVNT	Band4	3	20385	8	#0	QPSK	24.35	2.22	26.57	PASS
NVNT	Band4	3	20385	8	#Mid	QPSK	24.40	2.22	26.62	PASS
NVNT	Band4	3	20385	8	#Max	QPSK	24.35	2.22	26.57	PASS
NVNT	Band4	3	20385	15	#0	QPSK	24.37	2.22	26.59	PASS

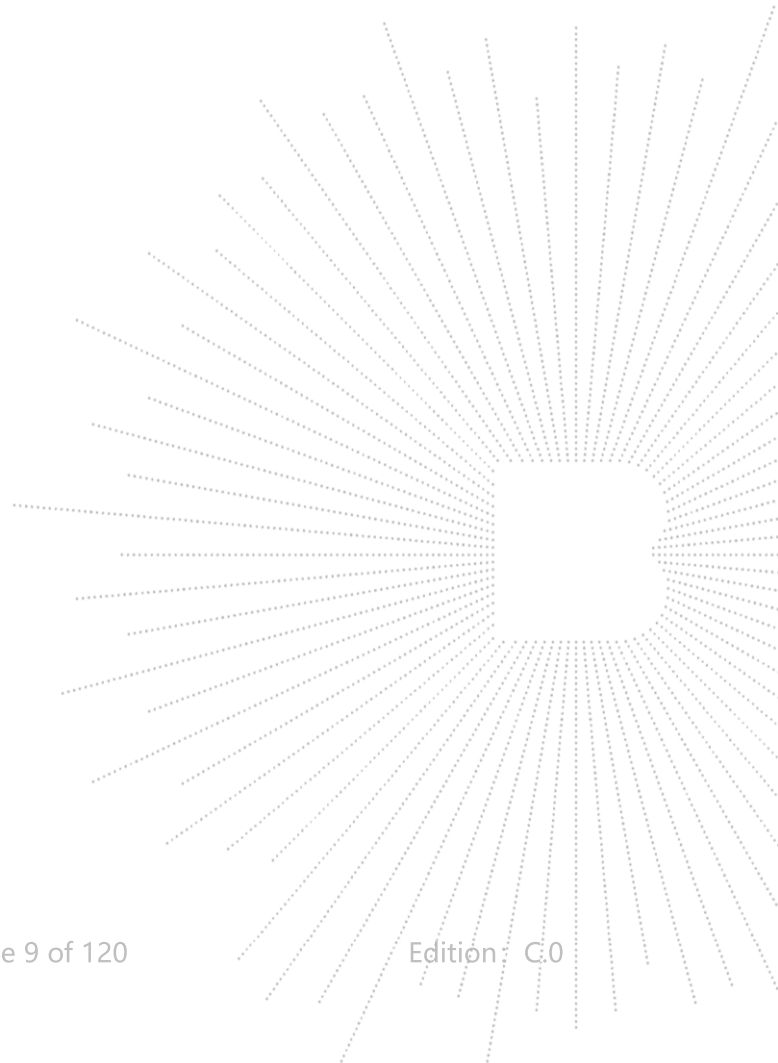
NVNT	Band4	3	20385	1	#0	16QAM	25.07	2.22	27.29	PASS
NVNT	Band4	3	20385	1	#Mid	16QAM	25.10	2.22	27.32	PASS
NVNT	Band4	3	20385	1	#Max	16QAM	25.07	2.22	27.29	PASS
NVNT	Band4	3	20385	8	#0	16QAM	24.10	2.22	26.32	PASS
NVNT	Band4	3	20385	8	#Mid	16QAM	24.15	2.22	26.37	PASS
NVNT	Band4	3	20385	8	#Max	16QAM	24.11	2.22	26.33	PASS
NVNT	Band4	3	20385	15	#0	16QAM	23.98	2.22	26.20	PASS
NVNT	Band4	5	19975	1	#0	QPSK	24.41	2.22	26.63	PASS
NVNT	Band4	5	19975	1	#Mid	QPSK	24.94	2.22	27.16	PASS
NVNT	Band4	5	19975	1	#Max	QPSK	24.60	2.22	26.82	PASS
NVNT	Band4	5	19975	12	#0	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	5	19975	12	#Mid	QPSK	24.55	2.22	26.77	PASS
NVNT	Band4	5	19975	12	#Max	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	5	19975	25	#0	QPSK	24.42	2.22	26.64	PASS
NVNT	Band4	5	19975	1	#0	16QAM	24.69	2.22	26.91	PASS
NVNT	Band4	5	19975	1	#Mid	16QAM	25.15	2.22	27.37	PASS
NVNT	Band4	5	19975	1	#Max	16QAM	24.84	2.22	27.06	PASS
NVNT	Band4	5	19975	12	#0	16QAM	24.00	2.22	26.22	PASS
NVNT	Band4	5	19975	12	#Mid	16QAM	23.97	2.22	26.19	PASS
NVNT	Band4	5	19975	12	#Max	16QAM	23.99	2.22	26.21	PASS
NVNT	Band4	5	19975	25	#0	16QAM	24.14	2.22	26.36	PASS
NVNT	Band4	5	20175	1	#0	QPSK	25.11	2.22	27.33	PASS
NVNT	Band4	5	20175	1	#Mid	QPSK	25.63	2.22	27.85	PASS
NVNT	Band4	5	20175	1	#Max	QPSK	25.15	2.22	27.37	PASS
NVNT	Band4	5	20175	12	#0	QPSK	24.42	2.22	26.64	PASS
NVNT	Band4	5	20175	12	#Mid	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	5	20175	12	#Max	QPSK	24.45	2.22	26.67	PASS
NVNT	Band4	5	20175	25	#0	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	5	20175	1	#0	16QAM	25.16	2.22	27.38	PASS
NVNT	Band4	5	20175	1	#Mid	16QAM	25.64	2.22	27.86	PASS
NVNT	Band4	5	20175	1	#Max	16QAM	25.23	2.22	27.45	PASS
NVNT	Band4	5	20175	12	#0	16QAM	23.89	2.22	26.11	PASS
NVNT	Band4	5	20175	12	#Mid	16QAM	23.89	2.22	26.11	PASS
NVNT	Band4	5	20175	12	#Max	16QAM	23.89	2.22	26.11	PASS
NVNT	Band4	5	20175	25	#0	16QAM	24.02	2.22	26.24	PASS
NVNT	Band4	5	20375	1	#0	QPSK	25.30	2.22	27.52	PASS
NVNT	Band4	5	20375	1	#Mid	QPSK	25.57	2.22	27.79	PASS
NVNT	Band4	5	20375	1	#Max	QPSK	25.13	2.22	27.35	PASS
NVNT	Band4	5	20375	12	#0	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	5	20375	12	#Mid	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	5	20375	12	#Max	QPSK	24.36	2.22	26.58	PASS
NVNT	Band4	5	20375	25	#0	QPSK	24.39	2.22	26.61	PASS

NVNT	Band4	5	20375	1	#0	16QAM	25.39	2.22	27.61	PASS
NVNT	Band4	5	20375	1	#Mid	16QAM	25.63	2.22	27.85	PASS
NVNT	Band4	5	20375	1	#Max	16QAM	25.22	2.22	27.44	PASS
NVNT	Band4	5	20375	12	#0	16QAM	23.97	2.22	26.19	PASS
NVNT	Band4	5	20375	12	#Mid	16QAM	23.97	2.22	26.19	PASS
NVNT	Band4	5	20375	12	#Max	16QAM	23.96	2.22	26.18	PASS
NVNT	Band4	5	20375	25	#0	16QAM	24.13	2.22	26.35	PASS
NVNT	Band4	10	20000	1	#0	QPSK	24.44	2.22	26.66	PASS
NVNT	Band4	10	20000	1	#Mid	QPSK	24.93	2.22	27.15	PASS
NVNT	Band4	10	20000	1	#Max	QPSK	25.16	2.22	27.38	PASS
NVNT	Band4	10	20000	25	#0	QPSK	24.44	2.22	26.66	PASS
NVNT	Band4	10	20000	25	#Mid	QPSK	24.46	2.22	26.68	PASS
NVNT	Band4	10	20000	25	#Max	QPSK	24.50	2.22	26.72	PASS
NVNT	Band4	10	20000	50	#0	QPSK	24.46	2.22	26.68	PASS
NVNT	Band4	10	20000	1	#0	16QAM	24.63	2.22	26.85	PASS
NVNT	Band4	10	20000	1	#Mid	16QAM	25.06	2.22	27.28	PASS
NVNT	Band4	10	20000	1	#Max	16QAM	25.24	2.22	27.46	PASS
NVNT	Band4	10	20000	25	#0	16QAM	24.00	2.22	26.22	PASS
NVNT	Band4	10	20000	25	#Mid	16QAM	24.09	2.22	26.31	PASS
NVNT	Band4	10	20000	25	#Max	16QAM	24.04	2.22	26.26	PASS
NVNT	Band4	10	20000	50	#0	16QAM	24.10	2.22	26.32	PASS
NVNT	Band4	10	20175	1	#0	QPSK	24.96	2.22	27.18	PASS
NVNT	Band4	10	20175	1	#Mid	QPSK	25.50	2.22	27.72	PASS
NVNT	Band4	10	20175	1	#Max	QPSK	25.57	2.22	27.79	PASS
NVNT	Band4	10	20175	25	#0	QPSK	24.49	2.22	26.71	PASS
NVNT	Band4	10	20175	25	#Mid	QPSK	24.36	2.22	26.58	PASS
NVNT	Band4	10	20175	25	#Max	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	10	20175	50	#0	QPSK	24.42	2.22	26.64	PASS
NVNT	Band4	10	20175	1	#0	16QAM	24.93	2.22	27.15	PASS
NVNT	Band4	10	20175	1	#Mid	16QAM	25.47	2.22	27.69	PASS
NVNT	Band4	10	20175	1	#Max	16QAM	25.54	2.22	27.76	PASS
NVNT	Band4	10	20175	25	#0	16QAM	24.14	2.22	26.36	PASS
NVNT	Band4	10	20175	25	#Mid	16QAM	24.04	2.22	26.26	PASS
NVNT	Band4	10	20175	25	#Max	16QAM	24.04	2.22	26.26	PASS
NVNT	Band4	10	20175	50	#0	16QAM	24.05	2.22	26.27	PASS
NVNT	Band4	10	20350	1	#0	QPSK	25.56	2.22	27.78	PASS
NVNT	Band4	10	20350	1	#Mid	QPSK	25.75	2.22	27.97	PASS
NVNT	Band4	10	20350	1	#Max	QPSK	25.71	2.22	27.93	PASS
NVNT	Band4	10	20350	25	#0	QPSK	24.40	2.22	26.62	PASS
NVNT	Band4	10	20350	25	#Mid	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	10	20350	25	#Max	QPSK	24.42	2.22	26.64	PASS
NVNT	Band4	10	20350	50	#0	QPSK	24.36	2.22	26.58	PASS

NVNT	Band4	10	20350	1	#0	16QAM	25.10	2.22	27.32	PASS
NVNT	Band4	10	20350	1	#Mid	16QAM	25.26	2.22	27.48	PASS
NVNT	Band4	10	20350	1	#Max	16QAM	25.23	2.22	27.45	PASS
NVNT	Band4	10	20350	25	#0	16QAM	24.06	2.22	26.28	PASS
NVNT	Band4	10	20350	25	#Mid	16QAM	24.13	2.22	26.35	PASS
NVNT	Band4	10	20350	25	#Max	16QAM	24.07	2.22	26.29	PASS
NVNT	Band4	10	20350	50	#0	16QAM	24.00	2.22	26.22	PASS
NVNT	Band4	15	20025	1	#0	QPSK	24.56	2.22	26.78	PASS
NVNT	Band4	15	20025	1	#Mid	QPSK	24.97	2.22	27.19	PASS
NVNT	Band4	15	20025	1	#Max	QPSK	25.14	2.22	27.36	PASS
NVNT	Band4	15	20025	36	#0	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	15	20025	36	#Mid	QPSK	24.43	2.22	26.65	PASS
NVNT	Band4	15	20025	36	#Max	QPSK	24.40	2.22	26.62	PASS
NVNT	Band4	15	20025	75	#0	QPSK	24.45	2.22	26.67	PASS
NVNT	Band4	15	20025	1	#0	16QAM	24.74	2.22	26.96	PASS
NVNT	Band4	15	20025	1	#Mid	16QAM	25.07	2.22	27.29	PASS
NVNT	Band4	15	20025	1	#Max	16QAM	25.23	2.22	27.45	PASS
NVNT	Band4	15	20025	36	#0	16QAM	24.03	2.22	26.25	PASS
NVNT	Band4	15	20025	36	#Mid	16QAM	24.07	2.22	26.29	PASS
NVNT	Band4	15	20025	36	#Max	16QAM	24.07	2.22	26.29	PASS
NVNT	Band4	15	20025	75	#0	16QAM	24.07	2.22	26.29	PASS
NVNT	Band4	15	20175	1	#0	QPSK	25.13	2.22	27.35	PASS
NVNT	Band4	15	20175	1	#Mid	QPSK	25.43	2.22	27.65	PASS
NVNT	Band4	15	20175	1	#Max	QPSK	25.34	2.22	27.56	PASS
NVNT	Band4	15	20175	36	#0	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	15	20175	36	#Mid	QPSK	24.45	2.22	26.67	PASS
NVNT	Band4	15	20175	36	#Max	QPSK	24.27	2.22	26.49	PASS
NVNT	Band4	15	20175	75	#0	QPSK	24.44	2.22	26.66	PASS
NVNT	Band4	15	20175	1	#0	16QAM	25.07	2.22	27.29	PASS
NVNT	Band4	15	20175	1	#Mid	16QAM	25.41	2.22	27.63	PASS
NVNT	Band4	15	20175	1	#Max	16QAM	25.33	2.22	27.55	PASS
NVNT	Band4	15	20175	36	#0	16QAM	24.10	2.22	26.32	PASS
NVNT	Band4	15	20175	36	#Mid	16QAM	24.10	2.22	26.32	PASS
NVNT	Band4	15	20175	36	#Max	16QAM	24.02	2.22	26.24	PASS
NVNT	Band4	15	20175	75	#0	16QAM	23.99	2.22	26.21	PASS
NVNT	Band4	15	20325	1	#0	QPSK	25.77	2.22	27.99	PASS
NVNT	Band4	15	20325	1	#Mid	QPSK	25.74	2.22	27.96	PASS
NVNT	Band4	15	20325	1	#Max	QPSK	25.54	2.22	27.76	PASS
NVNT	Band4	15	20325	36	#0	QPSK	24.37	2.22	26.59	PASS
NVNT	Band4	15	20325	36	#Mid	QPSK	24.29	2.22	26.51	PASS
NVNT	Band4	15	20325	36	#Max	QPSK	24.47	2.22	26.69	PASS
NVNT	Band4	15	20325	75	#0	QPSK	24.43	2.22	26.65	PASS

NVNT	Band4	15	20325	1	#0	16QAM	25.59	2.22	27.81	PASS
NVNT	Band4	15	20325	1	#Mid	16QAM	25.57	2.22	27.79	PASS
NVNT	Band4	15	20325	1	#Max	16QAM	25.37	2.22	27.59	PASS
NVNT	Band4	15	20325	36	#0	16QAM	23.88	2.22	26.10	PASS
NVNT	Band4	15	20325	36	#Mid	16QAM	23.85	2.22	26.07	PASS
NVNT	Band4	15	20325	36	#Max	16QAM	23.98	2.22	26.20	PASS
NVNT	Band4	15	20325	75	#0	16QAM	24.01	2.22	26.23	PASS
NVNT	Band4	20	20050	1	#0	QPSK	24.90	2.22	27.12	PASS
NVNT	Band4	20	20050	1	#Mid	QPSK	25.10	2.22	27.32	PASS
NVNT	Band4	20	20050	1	#Max	QPSK	25.39	2.22	27.61	PASS
NVNT	Band4	20	20050	50	#0	QPSK	24.54	2.22	26.76	PASS
NVNT	Band4	20	20050	50	#Mid	QPSK	24.46	2.22	26.68	PASS
NVNT	Band4	20	20050	50	#Max	QPSK	24.45	2.22	26.67	PASS
NVNT	Band4	20	20050	100	#0	QPSK	24.48	2.22	26.70	PASS
NVNT	Band4	20	20050	1	#0	16QAM	24.91	2.22	27.13	PASS
NVNT	Band4	20	20050	1	#Mid	16QAM	25.05	2.22	27.27	PASS
NVNT	Band4	20	20050	1	#Max	16QAM	25.30	2.22	27.52	PASS
NVNT	Band4	20	20050	50	#0	16QAM	24.19	2.22	26.41	PASS
NVNT	Band4	20	20050	50	#Mid	16QAM	24.20	2.22	26.42	PASS
NVNT	Band4	20	20050	50	#Max	16QAM	24.12	2.22	26.34	PASS
NVNT	Band4	20	20050	100	#0	16QAM	24.13	2.22	26.35	PASS
NVNT	Band4	20	20175	1	#0	QPSK	25.38	2.22	27.60	PASS
NVNT	Band4	20	20175	1	#Mid	QPSK	25.57	2.22	27.79	PASS
NVNT	Band4	20	20175	1	#Max	QPSK	25.66	2.22	27.88	PASS
NVNT	Band4	20	20175	50	#0	QPSK	24.52	2.22	26.74	PASS
NVNT	Band4	20	20175	50	#Mid	QPSK	24.50	2.22	26.72	PASS
NVNT	Band4	20	20175	50	#Max	QPSK	24.40	2.22	26.62	PASS
NVNT	Band4	20	20175	100	#0	QPSK	24.42	2.22	26.64	PASS
NVNT	Band4	20	20175	1	#0	16QAM	25.18	2.22	27.40	PASS
NVNT	Band4	20	20175	1	#Mid	16QAM	25.43	2.22	27.65	PASS
NVNT	Band4	20	20175	1	#Max	16QAM	25.51	2.22	27.73	PASS
NVNT	Band4	20	20175	50	#0	16QAM	24.16	2.22	26.38	PASS
NVNT	Band4	20	20175	50	#Mid	16QAM	24.04	2.22	26.26	PASS
NVNT	Band4	20	20175	50	#Max	16QAM	23.98	2.22	26.20	PASS
NVNT	Band4	20	20175	100	#0	16QAM	24.11	2.22	26.33	PASS
NVNT	Band4	20	20300	1	#0	QPSK	25.85	2.22	28.07	PASS
NVNT	Band4	20	20300	1	#Mid	QPSK	25.65	2.22	27.87	PASS
NVNT	Band4	20	20300	1	#Max	QPSK	25.72	2.22	27.94	PASS
NVNT	Band4	20	20300	50	#0	QPSK	24.33	2.22	26.55	PASS
NVNT	Band4	20	20300	50	#Mid	QPSK	24.40	2.22	26.62	PASS
NVNT	Band4	20	20300	50	#Max	QPSK	24.48	2.22	26.70	PASS
NVNT	Band4	20	20300	100	#0	QPSK	24.41	2.22	26.63	PASS

NVNT	Band4	20	20300	1	#0	16QAM	25.85	2.22	28.07	PASS
NVNT	Band4	20	20300	1	#Mid	16QAM	25.61	2.22	27.83	PASS
NVNT	Band4	20	20300	1	#Max	16QAM	25.63	2.22	27.85	PASS
NVNT	Band4	20	20300	50	#0	16QAM	24.09	2.22	26.31	PASS
NVNT	Band4	20	20300	50	#Mid	16QAM	24.10	2.22	26.32	PASS
NVNT	Band4	20	20300	50	#Max	16QAM	24.15	2.22	26.37	PASS
NVNT	Band4	20	20300	100	#0	16QAM	24.00	2.22	26.22	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	-18.44	-0.011	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	NT	-19.93	-0.012	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	HV	NT	-26.72	-0.016	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	LV	NT	7.21	0.004	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	NT	3.78	0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	HV	NT	0.59	0.000	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	LV	NT	4.99	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	NT	6.79	0.004	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	HV	NT	5.89	0.003	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	LV	NT	3.69	0.002	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	NT	8.47	0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	HV	NT	9.16	0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	LV	NT	-5.02	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	NT	-4.06	-0.002	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	HV	NT	-6.48	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.91	-0.004	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	NT	-5.98	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	HV	NT	-6.94	-0.004	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	LV	NT	-7.64	-0.004	PASS

NVNT	Band 4	3	19965	15	#0	QPSK	NV	NT	-11.42	-0.007	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	HV	NT	-13.78	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	LV	NT	-14.16	-0.008	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	NT	-31.14	-0.018	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	HV	NT	-20.59	-0.012	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	LV	NT	6.81	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	NT	6.42	0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	HV	NT	6.74	0.004	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	LV	NT	4.42	0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	NT	5.87	0.003	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	HV	NT	7.74	0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	LV	NT	-6.45	-0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	NT	-4.68	-0.003	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	HV	NT	-8.03	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	LV	NT	-10.37	-0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	NT	6.68	0.004	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	HV	NT	2.60	0.001	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	LV	NT	-3.30	-0.002	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	NT	-8.88	-0.005	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	HV	NT	-10.26	-0.006	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	LV	NT	-11.16	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	NT	-12.73	-0.007	PASS

	4										
NVNT	Band 4	5	19975	25	#0	16QAM	HV	NT	-11.67	-0.007	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	LV	NT	4.99	0.003	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	NT	2.35	0.001	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	HV	NT	-7.51	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	LV	NT	-7.05	-0.004	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	NT	-8.68	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	HV	NT	-8.55	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	LV	NT	-18.53	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	NT	3.45	0.002	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	HV	NT	-5.87	-0.003	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	LV	NT	-13.32	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	NT	-20.91	-0.012	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	HV	NT	-28.90	-0.016	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	LV	NT	-17.48	-0.010	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	NT	-31.59	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	HV	NT	-17.62	-0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	LV	NT	-16.55	-0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	NT	-8.73	-0.005	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	HV	NT	-17.42	-0.010	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	LV	NT	-7.15	-0.004	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	NT	-8.83	-0.005	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	HV	NT	-16.25	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	LV	NT	0.62	0.000	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	NT	-1.42	-0.001	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	HV	NT	-10.64	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	LV	NT	0.90	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	NT	0.47	0.000	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	HV	NT	3.18	0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	LV	NT	-13.23	-0.008	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	NT	-1.76	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	HV	NT	0.67	0.000	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	LV	NT	-14.02	-0.008	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	NT	-15.62	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	HV	NT	-15.48	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	LV	NT	-12.83	-0.007	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	NT	-12.75	-0.007	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	HV	NT	0.67	0.000	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	LV	NT	3.19	0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	NT	1.73	0.001	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	HV	NT	-12.29	-0.007	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	LV	NT	-1.70	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	NT	-2.12	-0.001	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	HV	NT	-4.95	-0.003	PASS

	4										
NVNT	Band 4	15	20325	75	#0	QPSK	LV	NT	-8.81	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	NT	-8.43	-0.005	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	HV	NT	-11.46	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	LV	NT	-11.67	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	NT	-17.95	-0.010	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	HV	NT	-17.12	-0.010	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	LV	NT	-14.59	-0.008	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	NT	0.92	0.001	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	HV	NT	5.19	0.003	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	LV	NT	-1.54	-0.001	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	NT	-7.52	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	HV	NT	-7.48	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	LV	NT	-1.19	-0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	NT	-4.51	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	HV	NT	-8.00	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	LV	NT	-12.30	-0.007	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	NT	-14.15	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	HV	NT	-13.56	-0.008	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	LV	NT	4.86	0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	NT	2.39	0.001	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	HV	NT	-4.53	-0.003	PASS

NVNT	Band 4	20	20300	100	#0	16QAM	LV	NT	-8.80	-0.005	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	NT	3.19	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	HV	NT	-5.52	-0.003	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	13.12	0.008	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	-20	10.13	0.006	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	0	4.51	0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	10	2.36	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	20	-3.83	-0.002	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	30	-10.47	-0.006	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	40	-2.37	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	QPSK	NV	50	1.17	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-30	-1.29	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	-20	0.96	0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	0	-1.97	-0.001	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	10	-4.84	-0.003	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	20	-8.10	-0.005	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	30	-12.72	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	40	-12.66	-0.007	PASS
NVNT	Band 4	1.4	19957	6	#0	16QAM	NV	50	-19.30	-0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-30	-24.12	-0.014	PASS

	4										
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	-20	-25.79	-0.015	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	0	-32.89	-0.019	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	10	-38.18	-0.022	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	20	-31.54	-0.018	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	30	-8.55	-0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	40	-11.92	-0.007	PASS
NVNT	Band 4	1.4	20175	6	#0	QPSK	NV	50	-16.48	-0.010	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-30	-18.48	-0.011	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	-20	-25.03	-0.014	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	0	-29.63	-0.017	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	10	-8.63	-0.005	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	20	-11.26	-0.006	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	30	-18.12	-0.010	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	40	-23.26	-0.013	PASS
NVNT	Band 4	1.4	20175	6	#0	16QAM	NV	50	-30.77	-0.018	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-30	-11.20	-0.006	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	-20	-13.85	-0.008	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	0	-19.78	-0.011	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	10	-4.39	-0.003	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	20	-8.77	-0.005	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	30	-39.11	-0.022	PASS

NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	40	-29.48	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	QPSK	NV	50	-30.44	-0.017	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-30	-41.34	-0.024	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	-20	-45.85	-0.026	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	0	-12.53	-0.007	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	10	-21.00	-0.012	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	20	-22.23	-0.013	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	30	-18.15	-0.010	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	40	-25.58	-0.015	PASS
NVNT	Band 4	1.4	20393	6	#0	16QAM	NV	50	-34.75	-0.020	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-30	-24.30	-0.014	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	-20	-28.15	-0.016	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	0	-31.80	-0.019	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	10	-38.21	-0.022	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	20	-42.92	-0.025	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	30	-8.41	-0.005	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	40	-9.83	-0.006	PASS
NVNT	Band 4	3	19965	15	#0	QPSK	NV	50	9.21	0.005	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-30	6.38	0.004	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	-20	3.32	0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	0	-2.33	-0.001	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	10	0.54	0.000	PASS

	4										
NVNT	Band 4	3	19965	15	#0	16QAM	NV	20	2.60	0.002	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	30	5.52	0.003	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	40	0.03	0.000	PASS
NVNT	Band 4	3	19965	15	#0	16QAM	NV	50	-6.54	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-30	-6.58	-0.004	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	-20	-11.42	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	0	-19.03	-0.011	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	10	-25.76	-0.015	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	20	-7.94	-0.005	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	30	-1.17	-0.001	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	40	3.79	0.002	PASS
NVNT	Band 4	3	20175	15	#0	QPSK	NV	50	0.11	0.000	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-30	-3.95	-0.002	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	-20	-11.63	-0.007	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	0	-16.57	-0.010	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	10	-22.20	-0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	20	-23.20	-0.013	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	30	-32.32	-0.019	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	40	-38.47	-0.022	PASS
NVNT	Band 4	3	20175	15	#0	16QAM	NV	50	-11.44	-0.007	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	-30	-40.43	-0.023	PASS

NVNT	Band 4	3	20385	15	#0	QPSK	NV	-20	7.88	0.004	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	0	-8.71	-0.005	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	10	-15.45	-0.009	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	20	-20.91	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	30	-27.91	-0.016	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	40	-34.75	-0.020	PASS
NVNT	Band 4	3	20385	15	#0	QPSK	NV	50	-24.93	-0.014	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-30	-20.96	-0.012	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	-20	-27.38	-0.016	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	0	-33.53	-0.019	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	10	-37.82	-0.022	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	20	-42.73	-0.024	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	30	15.85	0.009	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	40	10.00	0.006	PASS
NVNT	Band 4	3	20385	15	#0	16QAM	NV	50	-7.30	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-30	-11.54	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	-20	-12.70	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	0	-17.38	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	10	-5.15	-0.003	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	20	-12.25	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	30	-16.31	-0.010	PASS
NVNT	Band 4	5	19975	25	#0	QPSK	NV	40	-7.00	-0.004	PASS

	4										
NVNT	Band 4	5	19975	25	#0	QPSK	NV	50	-10.29	-0.006	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-30	-15.05	-0.009	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	-20	-12.00	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	0	1.44	0.001	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	10	-7.24	-0.004	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	20	-11.79	-0.007	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	30	-14.56	-0.009	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	40	-34.16	-0.020	PASS
NVNT	Band 4	5	19975	25	#0	16QAM	NV	50	0.53	0.000	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-30	-10.46	-0.006	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	-20	-15.21	-0.009	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	0	-26.28	-0.015	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	10	-32.26	-0.019	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	20	-13.12	-0.008	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	30	-21.54	-0.012	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	40	-23.96	-0.014	PASS
NVNT	Band 4	5	20175	25	#0	QPSK	NV	50	-32.34	-0.019	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-30	-2.00	-0.001	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	-20	9.00	0.005	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	0	2.88	0.002	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	10	-5.19	-0.003	PASS

NVNT	Band 4	5	20175	25	#0	16QAM	NV	20	-8.50	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	30	-8.55	-0.005	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	40	-14.72	-0.008	PASS
NVNT	Band 4	5	20175	25	#0	16QAM	NV	50	-22.80	-0.013	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-30	-8.68	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	-20	-18.90	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	0	-19.77	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	10	-29.80	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	20	-29.67	-0.017	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	30	-9.07	-0.005	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	40	-6.91	-0.004	PASS
NVNT	Band 4	5	20375	25	#0	QPSK	NV	50	-14.32	-0.008	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-30	-18.85	-0.011	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	-20	-22.73	-0.013	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	0	-27.37	-0.016	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	10	-31.89	-0.018	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	20	-36.84	-0.021	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	30	-38.47	-0.022	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	40	-15.51	-0.009	PASS
NVNT	Band 4	5	20375	25	#0	16QAM	NV	50	-29.75	-0.017	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-30	-22.76	-0.013	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	-20	-16.14	-0.009	PASS

	4										
NVNT	Band 4	10	20000	50	#0	QPSK	NV	0	-32.60	-0.019	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	10	-10.74	-0.006	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	20	-19.56	-0.011	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	30	-30.87	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	40	-11.96	-0.007	PASS
NVNT	Band 4	10	20000	50	#0	QPSK	NV	50	-30.63	-0.018	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-30	17.24	0.010	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	-20	-5.68	-0.003	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	0	-21.04	-0.012	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	10	-1.85	-0.001	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	20	-7.34	-0.004	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	30	9.83	0.006	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	40	-3.33	-0.002	PASS
NVNT	Band 4	10	20000	50	#0	16QAM	NV	50	-12.16	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-30	-10.50	-0.006	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	-20	-15.84	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	0	-20.67	-0.012	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	10	-30.90	-0.018	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	20	-20.57	-0.012	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	30	-2.68	-0.002	PASS
NVNT	Band 4	10	20175	50	#0	QPSK	NV	40	-5.28	-0.003	PASS

NVNT	Band 4	10	20175	50	#0	QPSK	NV	50	-8.78	-0.005	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-30	-11.53	-0.007	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	-20	-15.46	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	0	-16.11	-0.009	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	10	-18.65	-0.011	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	20	-22.44	-0.013	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	30	-22.93	-0.013	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	40	-26.02	-0.015	PASS
NVNT	Band 4	10	20175	50	#0	16QAM	NV	50	-27.95	-0.016	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-30	14.13	0.008	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	-20	17.90	0.010	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	0	6.74	0.004	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	10	1.70	0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	20	-1.82	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	30	-5.21	-0.003	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	40	-10.23	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	QPSK	NV	50	-12.26	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-30	-3.86	-0.002	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	-20	-10.19	-0.006	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	0	-12.13	-0.007	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	10	-17.62	-0.010	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	20	-20.67	-0.012	PASS

	4										
NVNT	Band 4	10	20350	50	#0	16QAM	NV	30	-0.92	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	40	-2.09	-0.001	PASS
NVNT	Band 4	10	20350	50	#0	16QAM	NV	50	-5.87	-0.003	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-30	-17.65	-0.010	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	-20	-22.82	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	0	-27.22	-0.016	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	10	-28.01	-0.016	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	20	-30.71	-0.018	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	30	-15.16	-0.009	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	40	-19.73	-0.011	PASS
NVNT	Band 4	15	20025	75	#0	QPSK	NV	50	-22.99	-0.013	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-30	-30.46	-0.018	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	-20	-37.12	-0.022	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	0	-6.48	-0.004	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	10	-12.76	-0.007	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	20	-9.70	-0.006	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	30	-26.35	-0.015	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	40	-35.66	-0.021	PASS
NVNT	Band 4	15	20025	75	#0	16QAM	NV	50	6.90	0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-30	-16.06	-0.009	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	-20	-18.73	-0.011	PASS

NVNT	Band 4	15	20175	75	#0	QPSK	NV	0	-6.51	-0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	10	14.95	0.009	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	20	9.28	0.005	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	30	7.07	0.004	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	40	-4.29	-0.002	PASS
NVNT	Band 4	15	20175	75	#0	QPSK	NV	50	-8.25	-0.005	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-30	-17.34	-0.010	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	-20	-19.33	-0.011	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	0	-24.48	-0.014	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	10	-30.67	-0.018	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	20	3.15	0.002	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	30	-5.38	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	40	-4.71	-0.003	PASS
NVNT	Band 4	15	20175	75	#0	16QAM	NV	50	0.60	0.000	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-30	-13.13	-0.008	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	-20	-7.17	-0.004	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	0	-11.73	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	10	-15.58	-0.009	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	20	-22.60	-0.013	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	30	-20.59	-0.012	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	40	-42.06	-0.024	PASS
NVNT	Band 4	15	20325	75	#0	QPSK	NV	50	-10.89	-0.006	PASS

	4										
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-30	-15.74	-0.009	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	-20	-17.87	-0.010	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	0	-21.09	-0.012	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	10	-13.09	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	20	-20.40	-0.012	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	30	-29.61	-0.017	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	40	-12.76	-0.007	PASS
NVNT	Band 4	15	20325	75	#0	16QAM	NV	50	-36.79	-0.021	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-30	-24.32	-0.014	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	-20	-6.67	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	0	-24.09	-0.014	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	10	-24.63	-0.014	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	20	-28.71	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	30	-31.26	-0.018	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	40	-29.75	-0.017	PASS
NVNT	Band 4	20	20050	100	#0	QPSK	NV	50	-31.56	-0.018	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-30	-32.64	-0.019	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	-20	-32.79	-0.019	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	0	-25.19	-0.015	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	10	-6.05	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	20	-0.94	-0.001	PASS

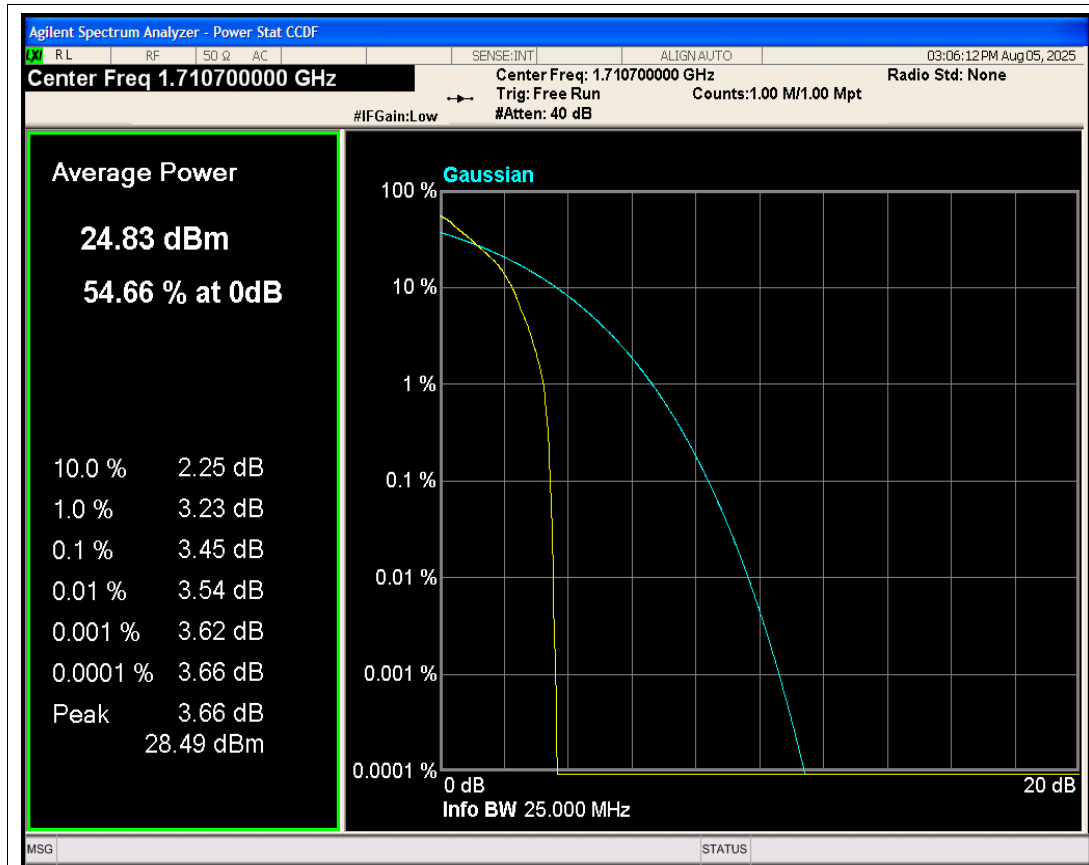
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NVNT	Band 4	20	20050	100	#0	16QAM	NV	40	-7.51	-0.004	PASS
NVNT	Band 4	20	20050	100	#0	16QAM	NV	50	-9.14	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-30	-15.65	-0.009	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	-20	-20.50	-0.012	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	0	1.80	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	10	-4.02	-0.002	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	20	1.02	0.001	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	30	-5.21	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	40	-6.90	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	QPSK	NV	50	-7.42	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-30	0.60	0.000	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	-20	-5.01	-0.003	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	0	-6.55	-0.004	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	10	-7.84	-0.005	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	20	-13.03	-0.008	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	30	-17.01	-0.010	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	40	-17.84	-0.010	PASS
NVNT	Band 4	20	20175	100	#0	16QAM	NV	50	-19.25	-0.011	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-30	-5.32	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	-20	-5.21	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	0	-11.63	-0.007	PASS

	4										
NVNT	Band 4	20	20300	100	#0	QPSK	NV	10	-20.61	-0.012	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	20	-15.92	-0.009	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	30	-18.18	-0.010	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	40	-18.91	-0.011	PASS
NVNT	Band 4	20	20300	100	#0	QPSK	NV	50	-1.22	-0.001	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-30	-6.05	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	-20	-9.76	-0.006	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	0	-5.64	-0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	10	5.79	0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	20	5.12	0.003	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	30	3.30	0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	40	-3.12	-0.002	PASS
NVNT	Band 4	20	20300	100	#0	16QAM	NV	50	-7.95	-0.005	PASS

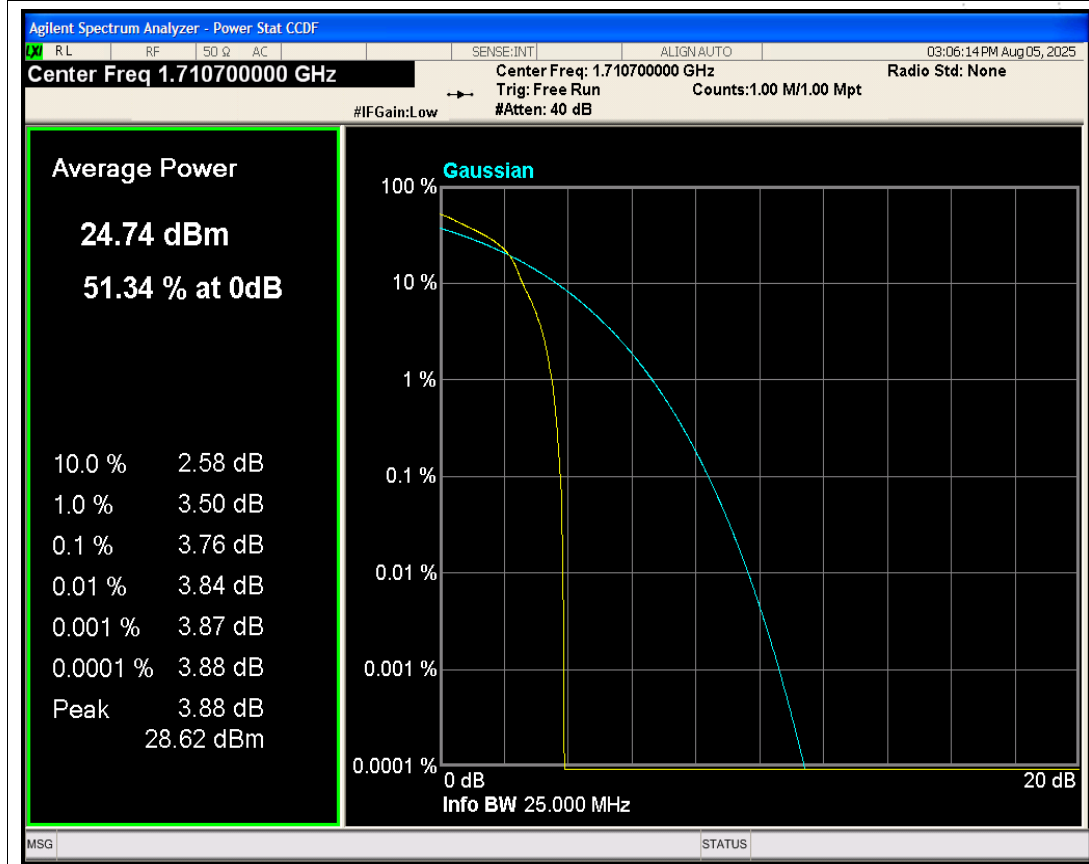
Appendix 3. Peak-to-Average Ratio

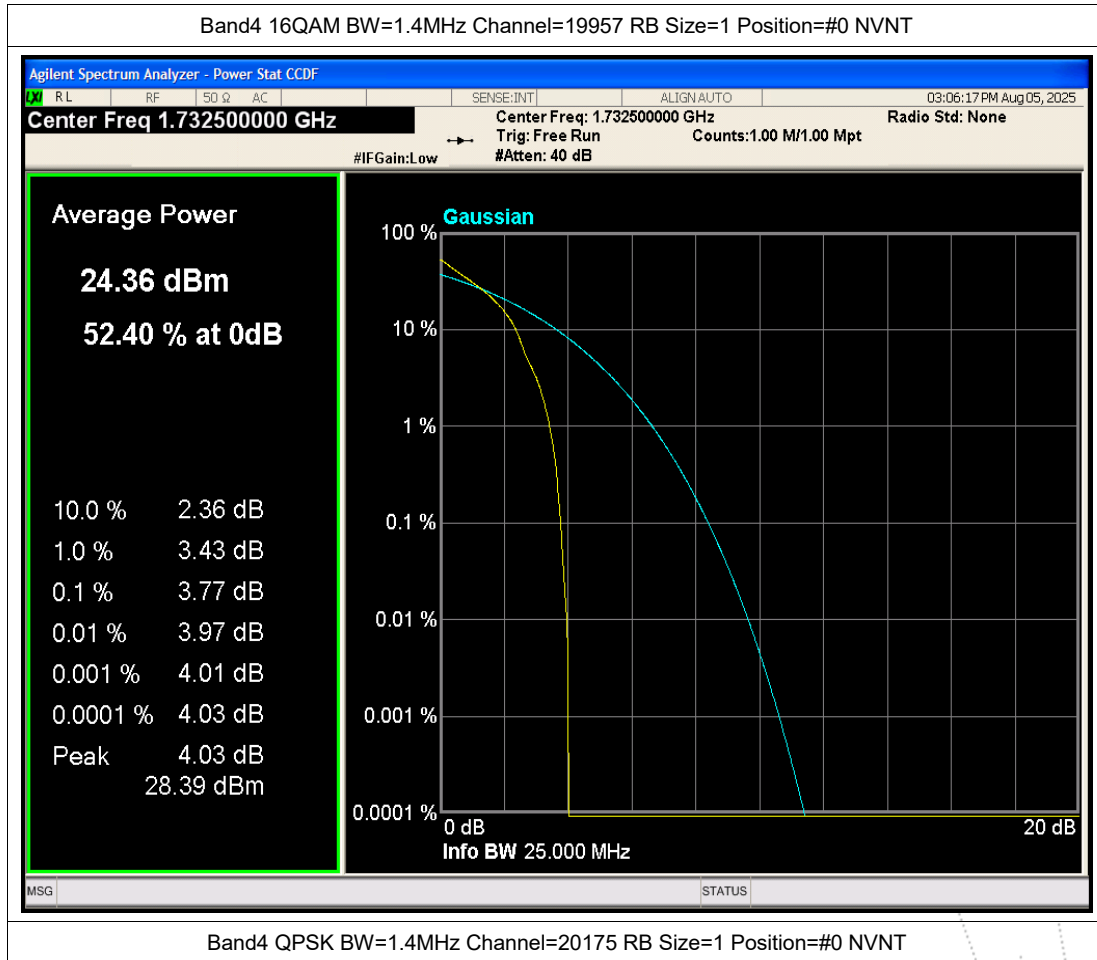
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band4	1.4	19957	1	#0	QPSK	3.45	13	PASS
NVNT	Band4	1.4	19957	1	#0	16QAM	3.76	13	PASS
NVNT	Band4	1.4	20175	1	#0	QPSK	3.77	13	PASS
NVNT	Band4	1.4	20175	1	#0	16QAM	3.94	13	PASS
NVNT	Band4	1.4	20393	1	#0	QPSK	2.19	13	PASS
NVNT	Band4	1.4	20393	1	#0	16QAM	2.48	13	PASS

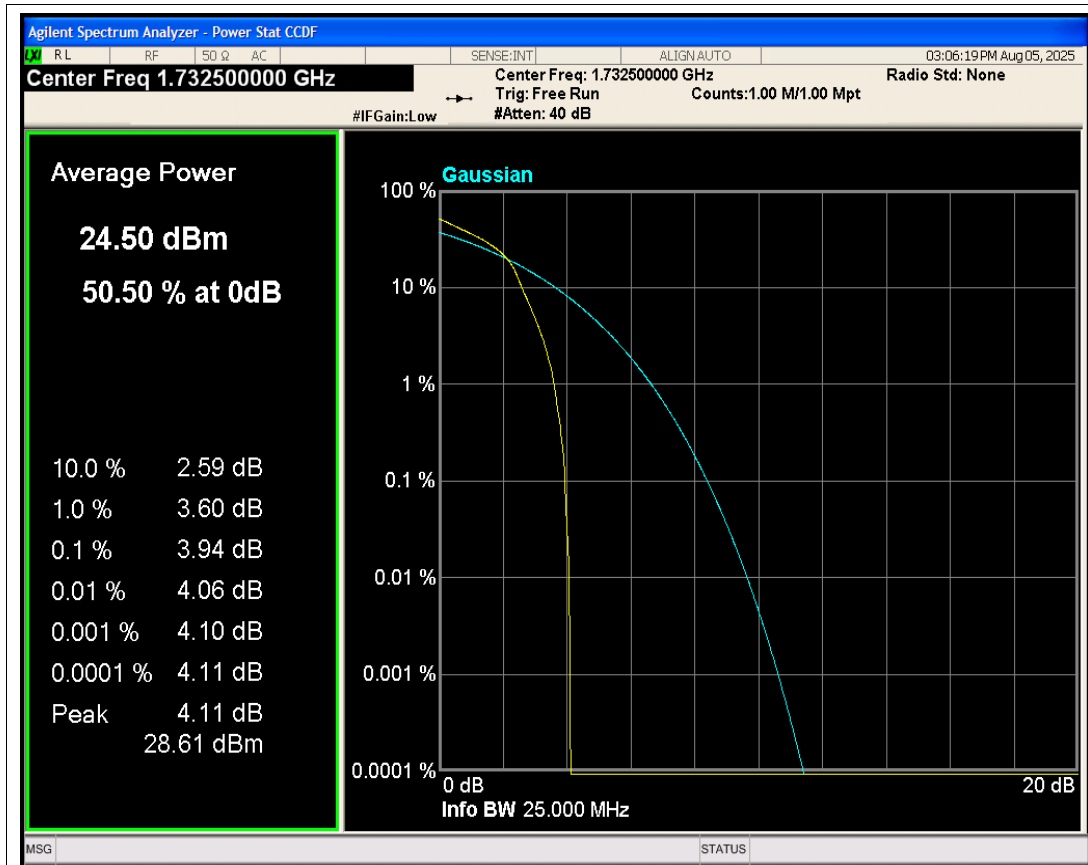
NVNT	Band4	3	19965	1	#0	QPSK	3.31	13	PASS
NVNT	Band4	3	19965	1	#0	16QAM	3.58	13	PASS
NVNT	Band4	3	20175	1	#0	QPSK	3.88	13	PASS
NVNT	Band4	3	20175	1	#0	16QAM	4.46	13	PASS
NVNT	Band4	3	20385	1	#0	QPSK	2.31	13	PASS
NVNT	Band4	3	20385	1	#0	16QAM	2.63	13	PASS
NVNT	Band4	5	19975	1	#0	QPSK	3.70	13	PASS
NVNT	Band4	5	19975	1	#0	16QAM	3.90	13	PASS
NVNT	Band4	5	20175	1	#0	QPSK	3.74	13	PASS
NVNT	Band4	5	20175	1	#0	16QAM	4.28	13	PASS
NVNT	Band4	5	20375	1	#0	QPSK	2.80	13	PASS
NVNT	Band4	5	20375	1	#0	16QAM	2.88	13	PASS
NVNT	Band4	10	20000	1	#0	QPSK	3.60	13	PASS
NVNT	Band4	10	20000	1	#0	16QAM	3.87	13	PASS
NVNT	Band4	10	20175	1	#0	QPSK	3.39	13	PASS
NVNT	Band4	10	20175	1	#0	16QAM	3.84	13	PASS
NVNT	Band4	10	20350	1	#0	QPSK	3.14	13	PASS
NVNT	Band4	10	20350	1	#0	16QAM	3.36	13	PASS
NVNT	Band4	15	20025	1	#0	QPSK	3.55	13	PASS
NVNT	Band4	15	20025	1	#0	16QAM	3.78	13	PASS
NVNT	Band4	15	20175	1	#0	QPSK	2.95	13	PASS
NVNT	Band4	15	20175	1	#0	16QAM	3.20	13	PASS
NVNT	Band4	15	20325	1	#0	QPSK	2.52	13	PASS
NVNT	Band4	15	20325	1	#0	16QAM	2.90	13	PASS
NVNT	Band4	20	20050	1	#0	QPSK	3.32	13	PASS
NVNT	Band4	20	20050	1	#0	16QAM	3.52	13	PASS
NVNT	Band4	20	20175	1	#0	QPSK	2.48	13	PASS
NVNT	Band4	20	20175	1	#0	16QAM	2.77	13	PASS
NVNT	Band4	20	20300	1	#0	QPSK	2.96	13	PASS
NVNT	Band4	20	20300	1	#0	16QAM	3.39	13	PASS



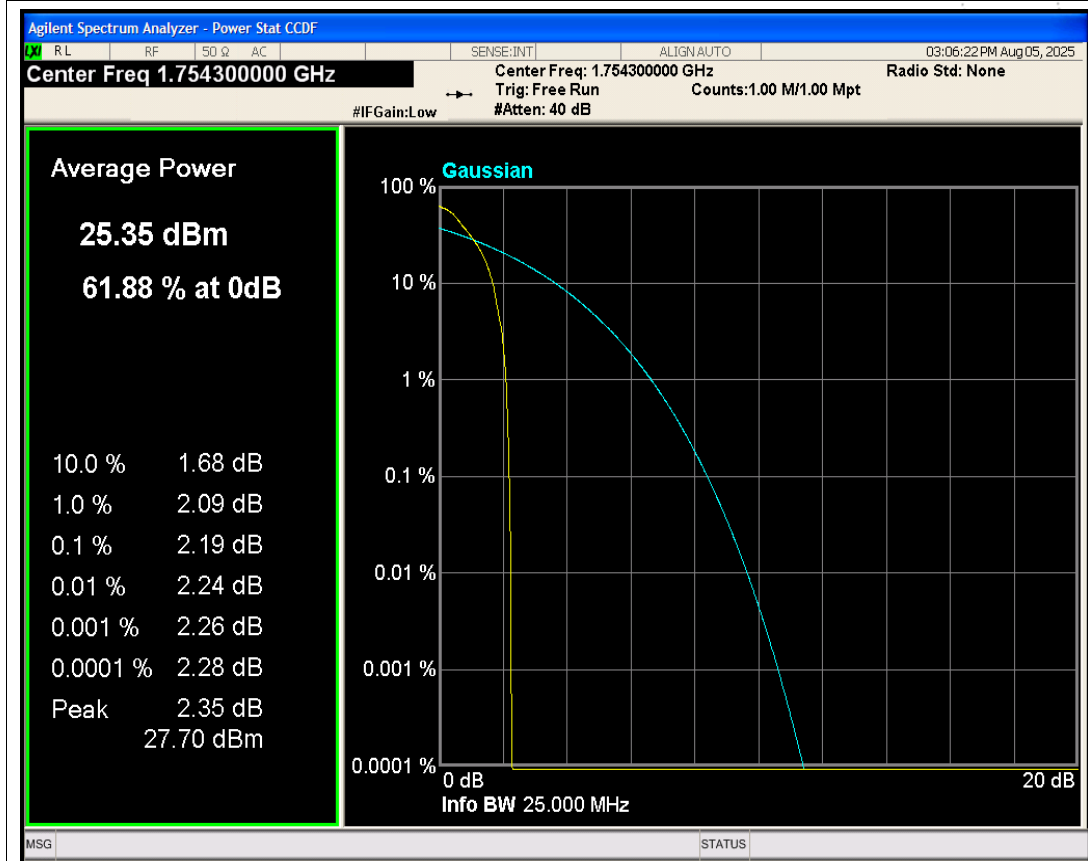
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT

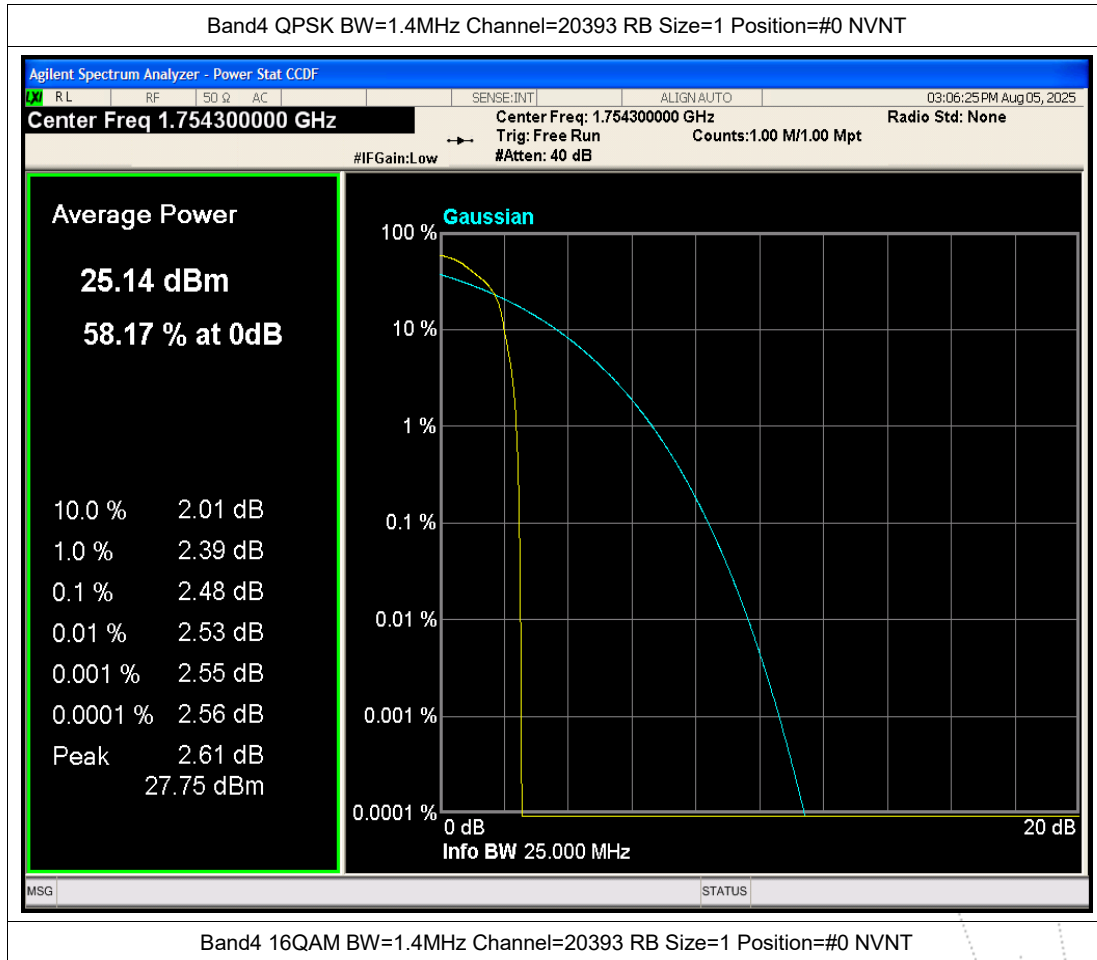


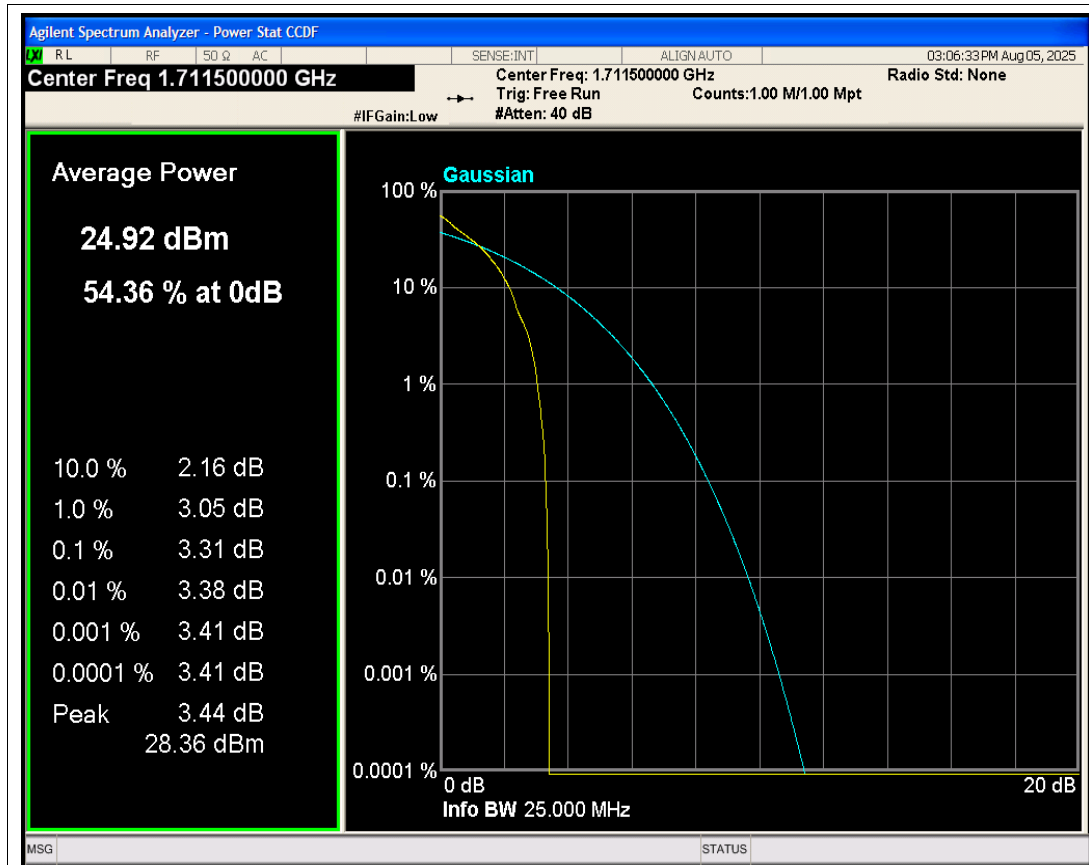




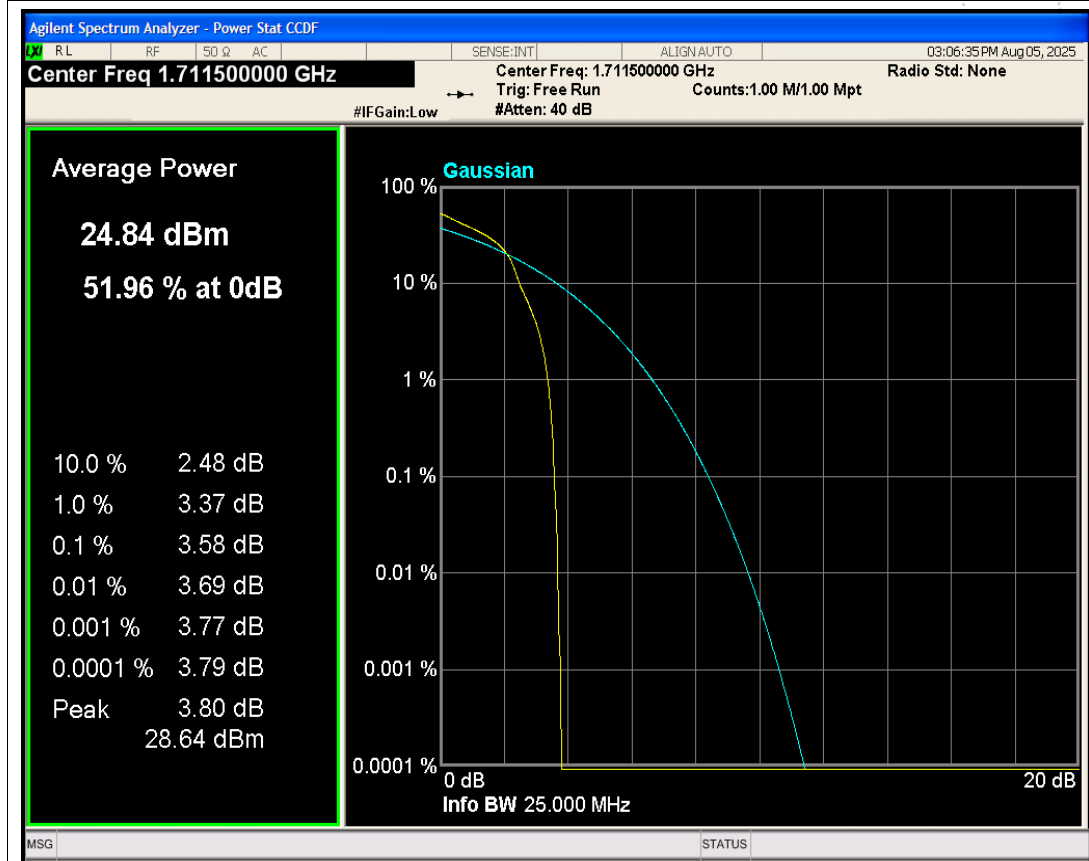
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT

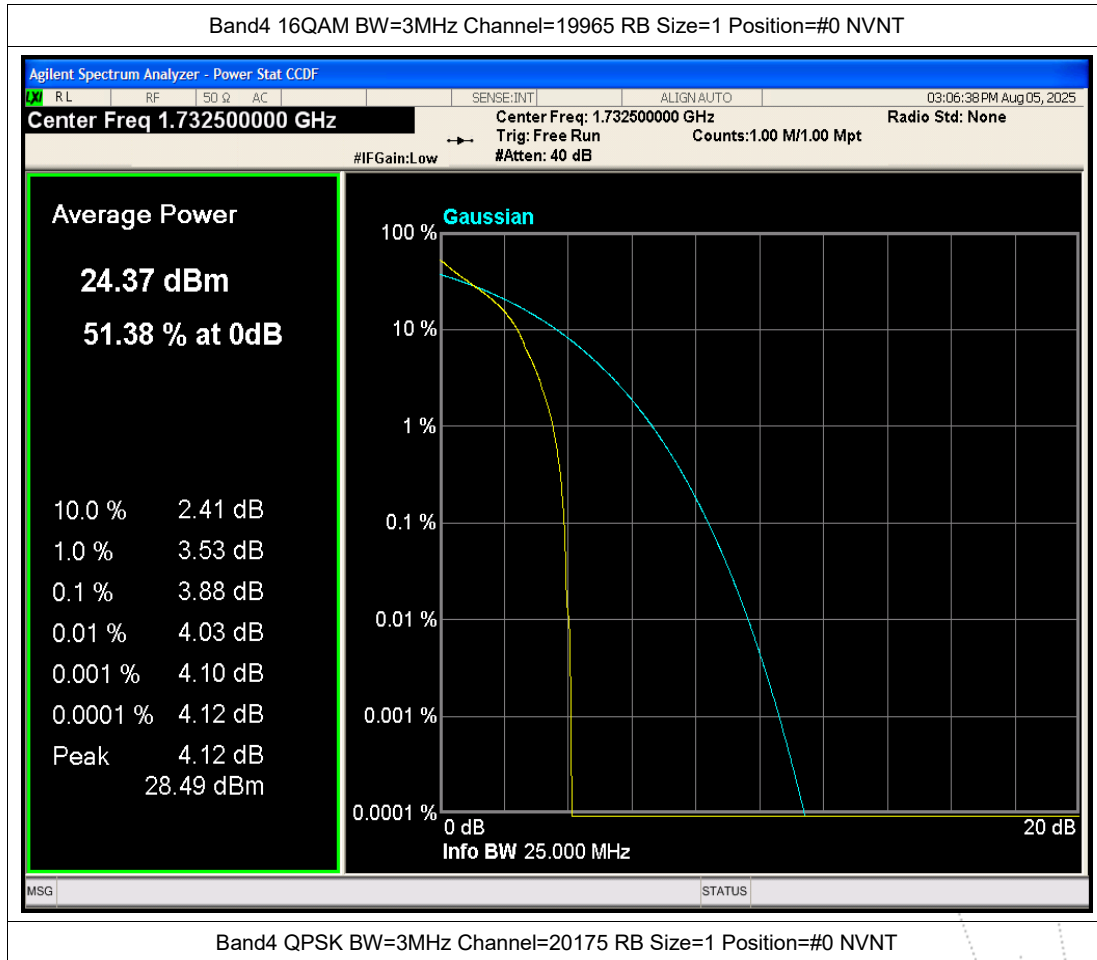


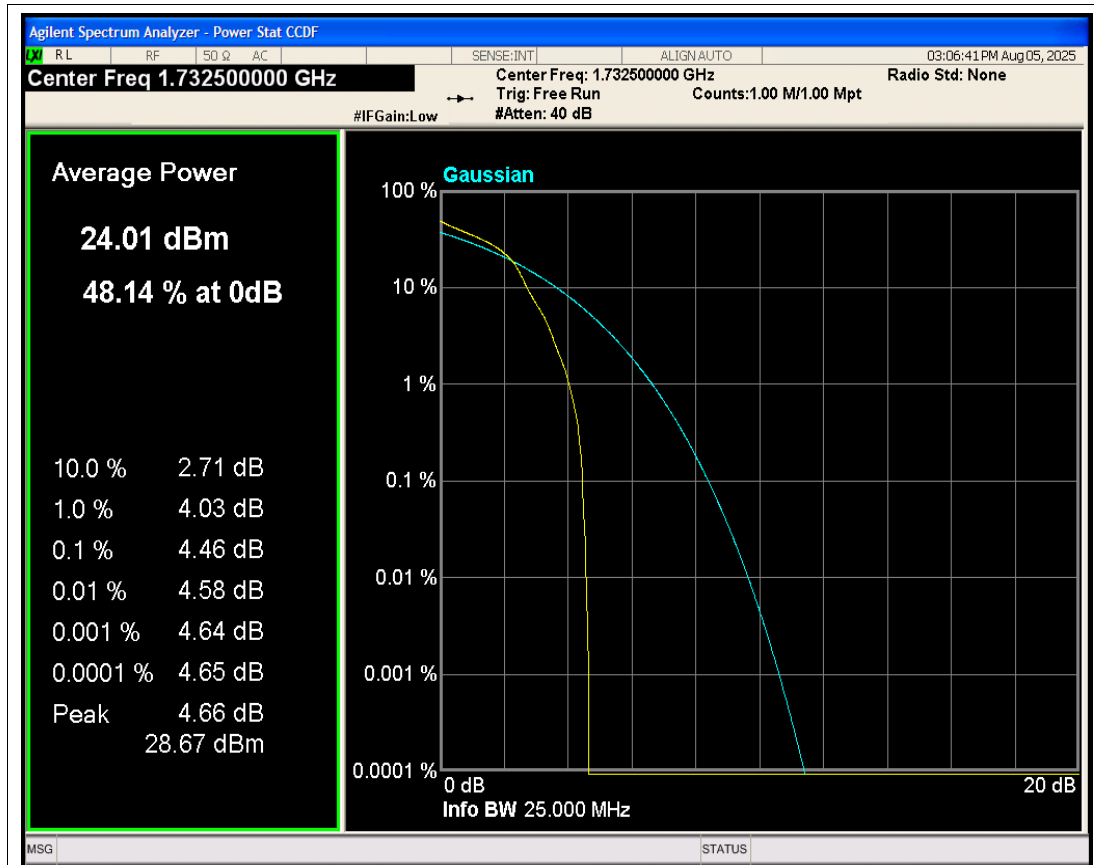




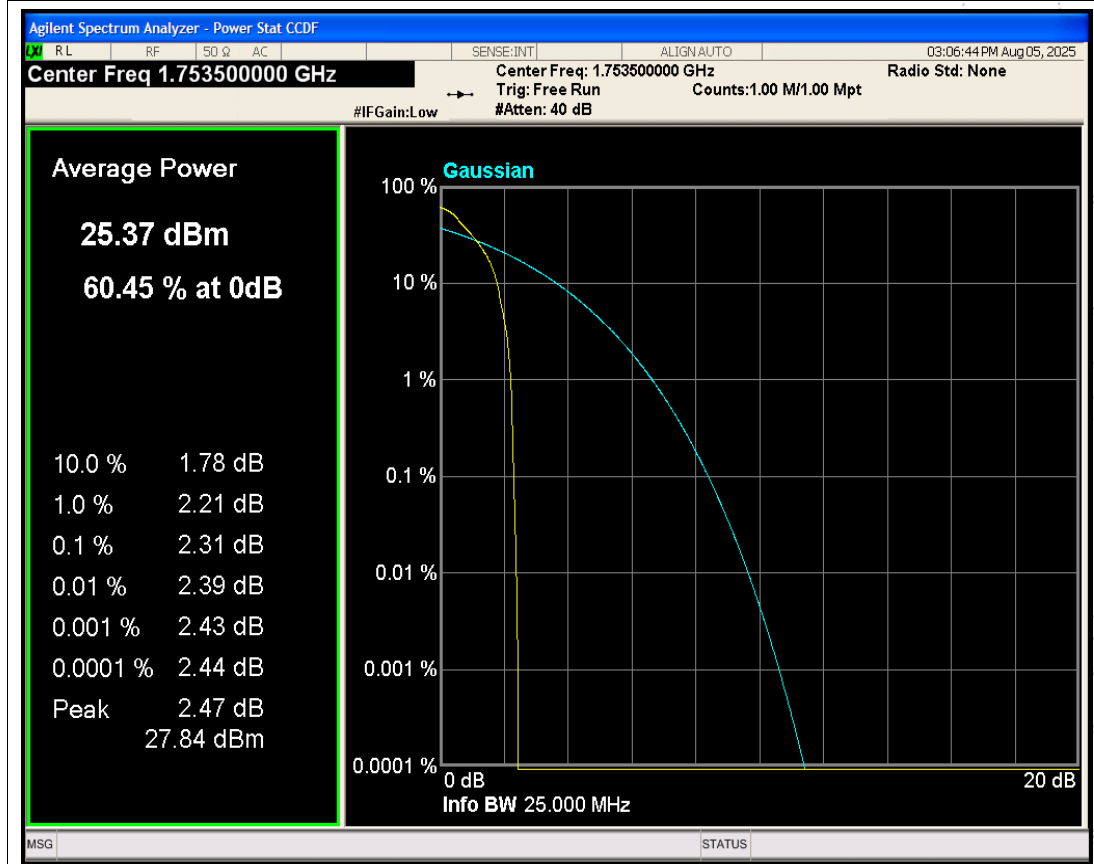
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT

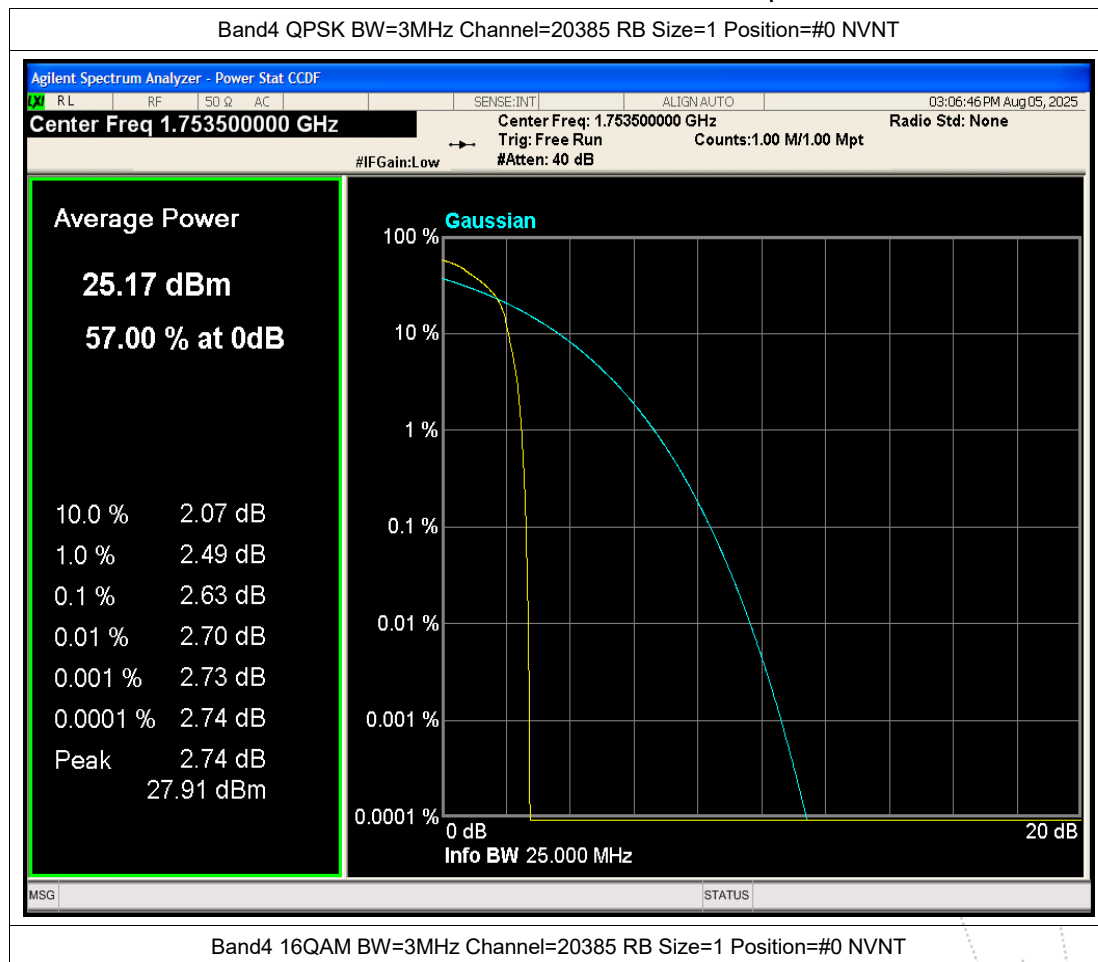


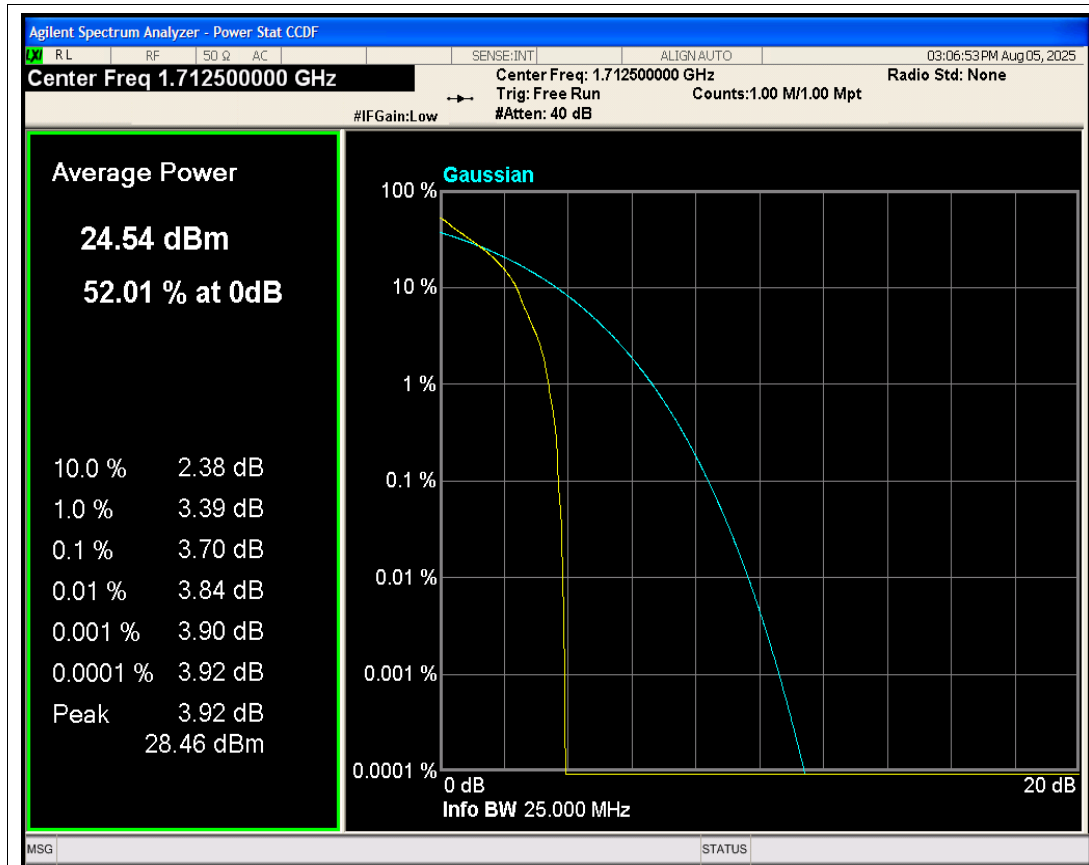




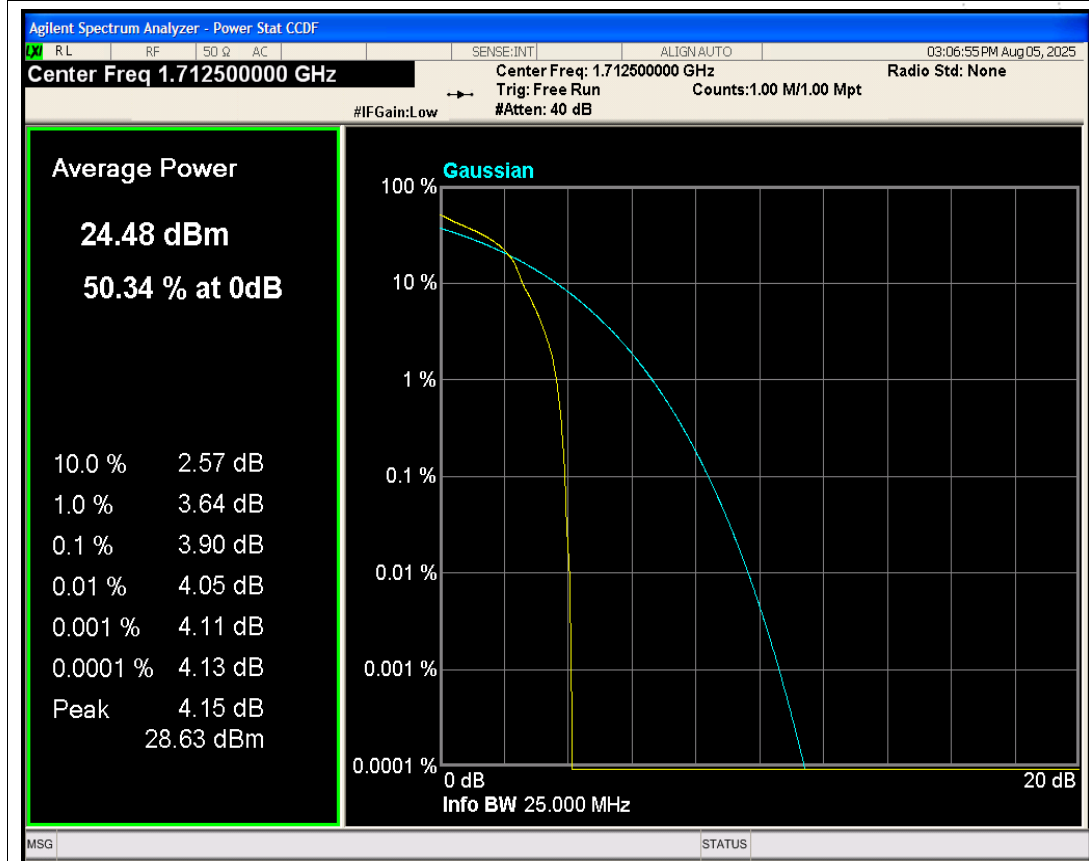
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT

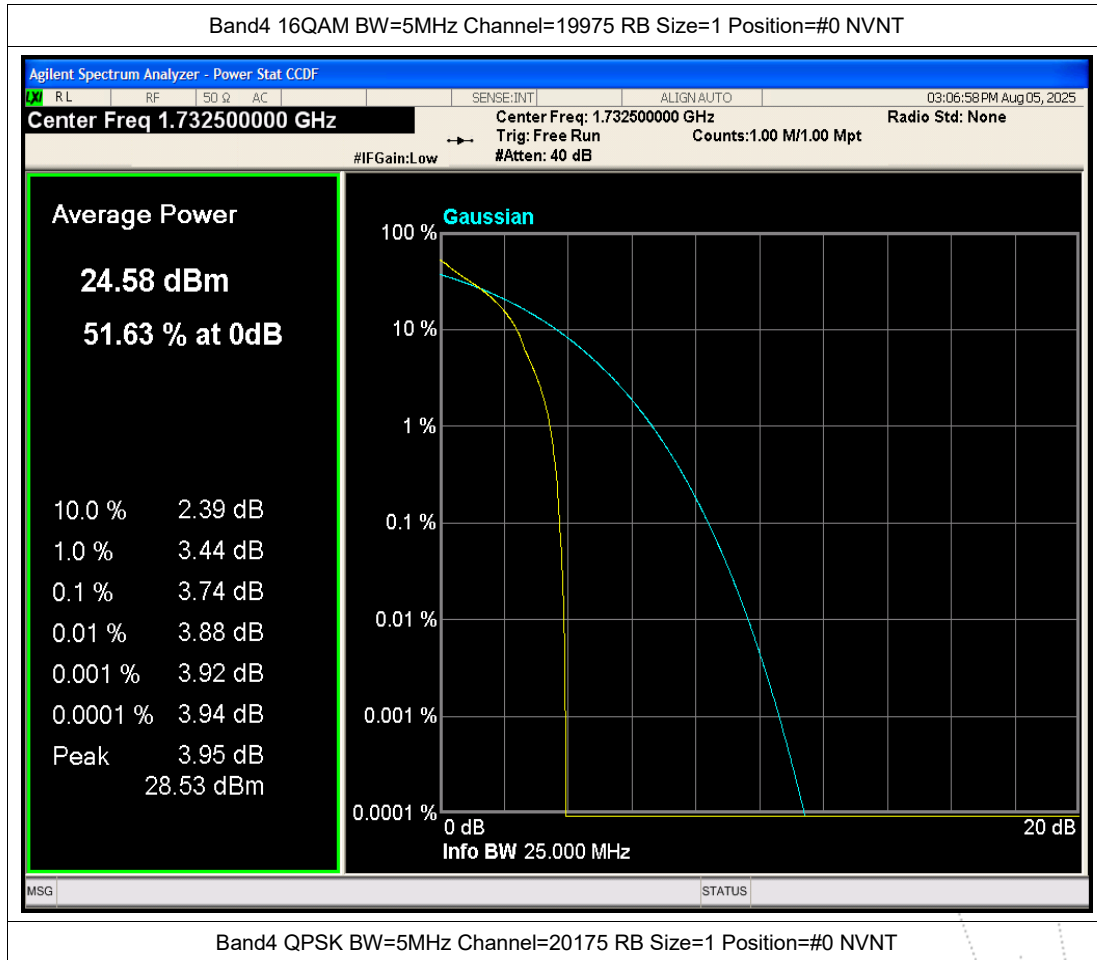


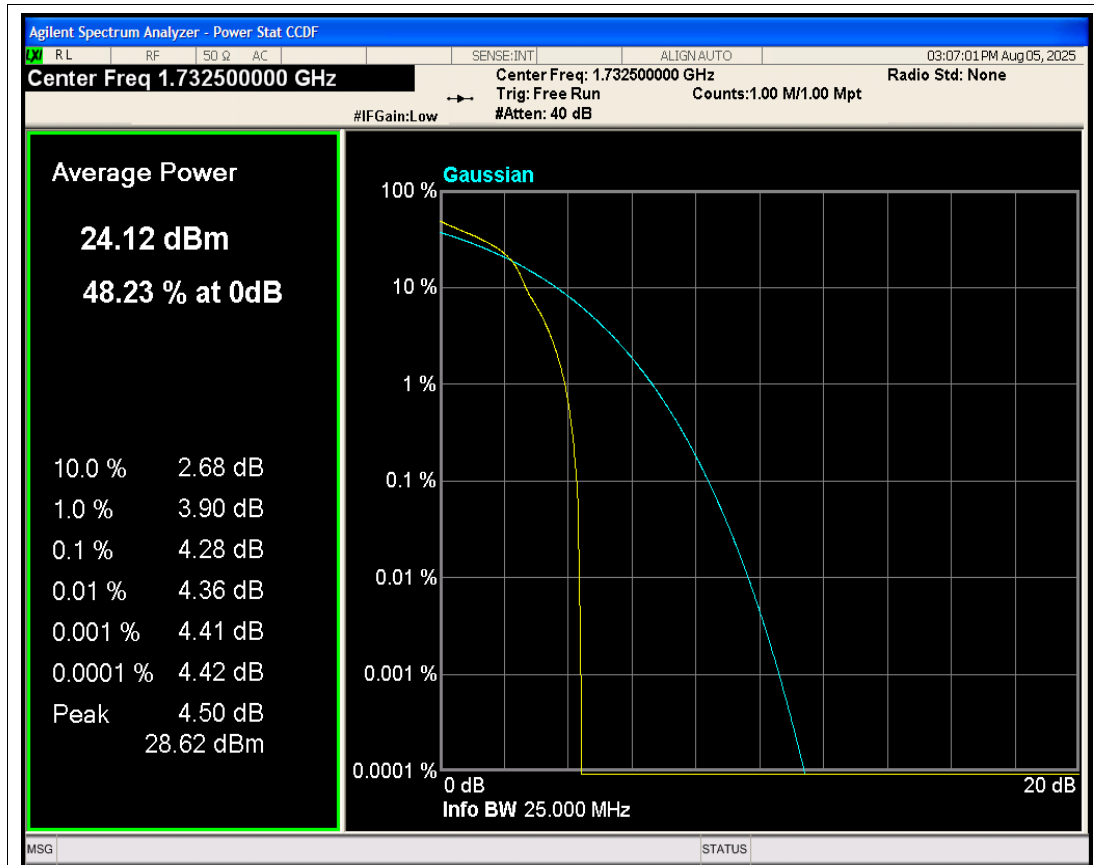




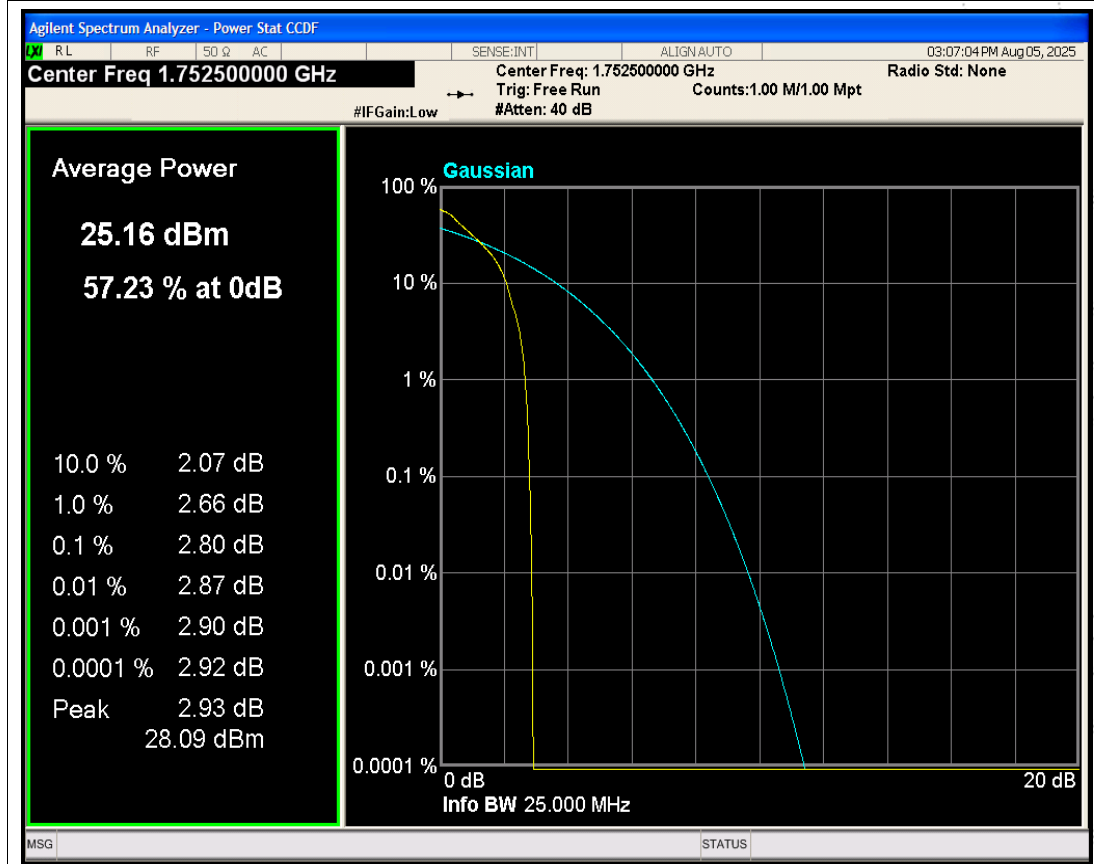
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT

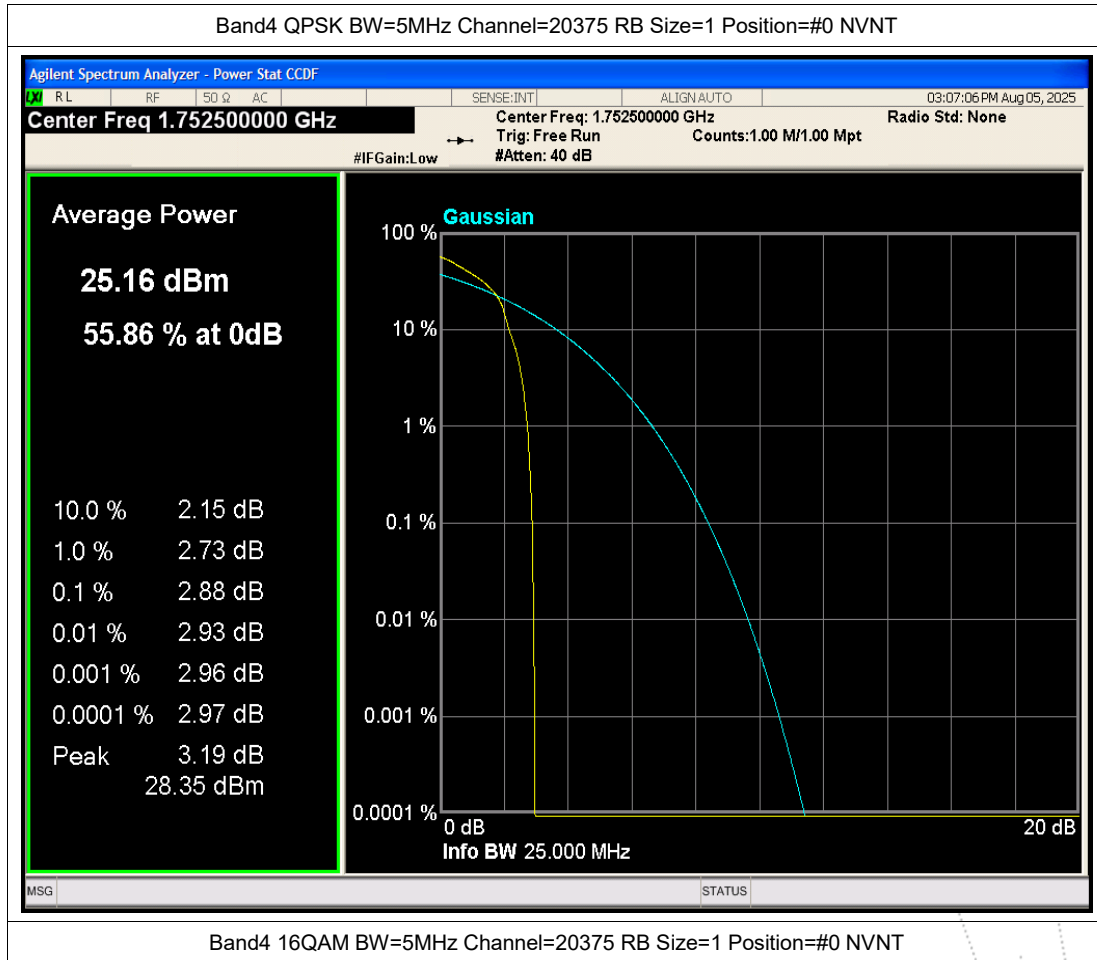


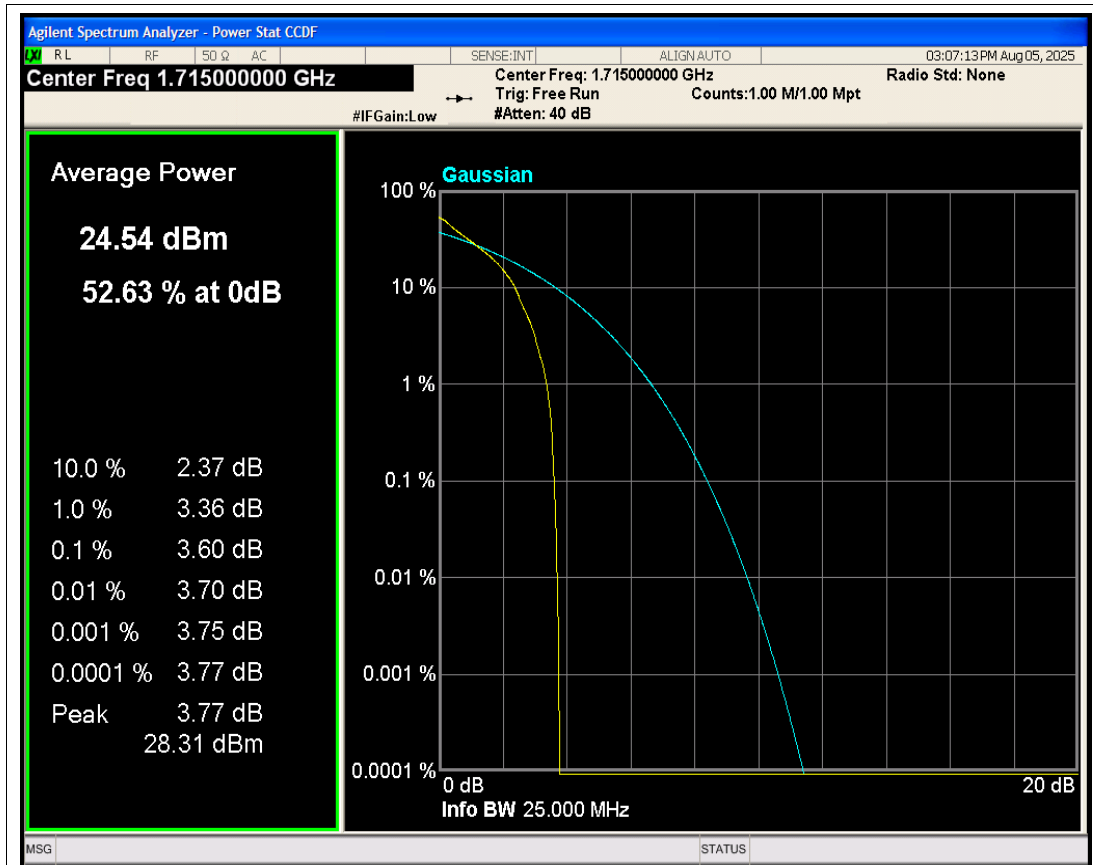




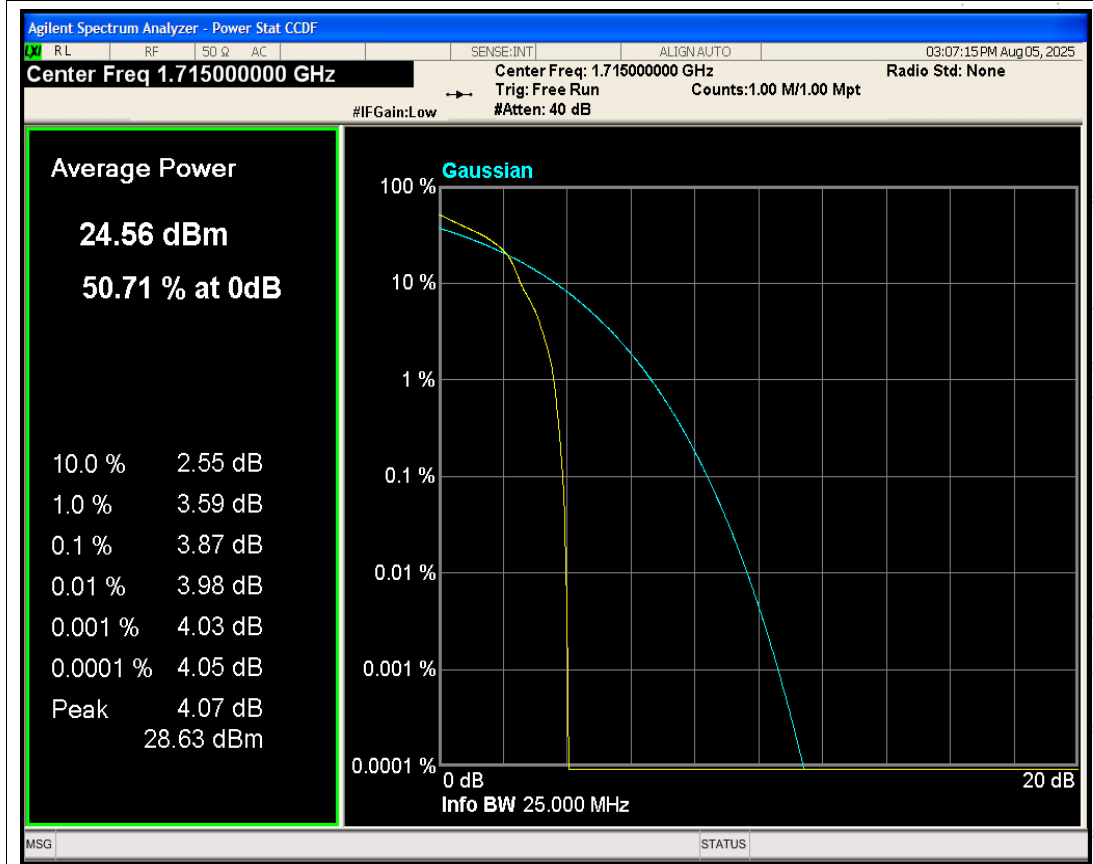
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT

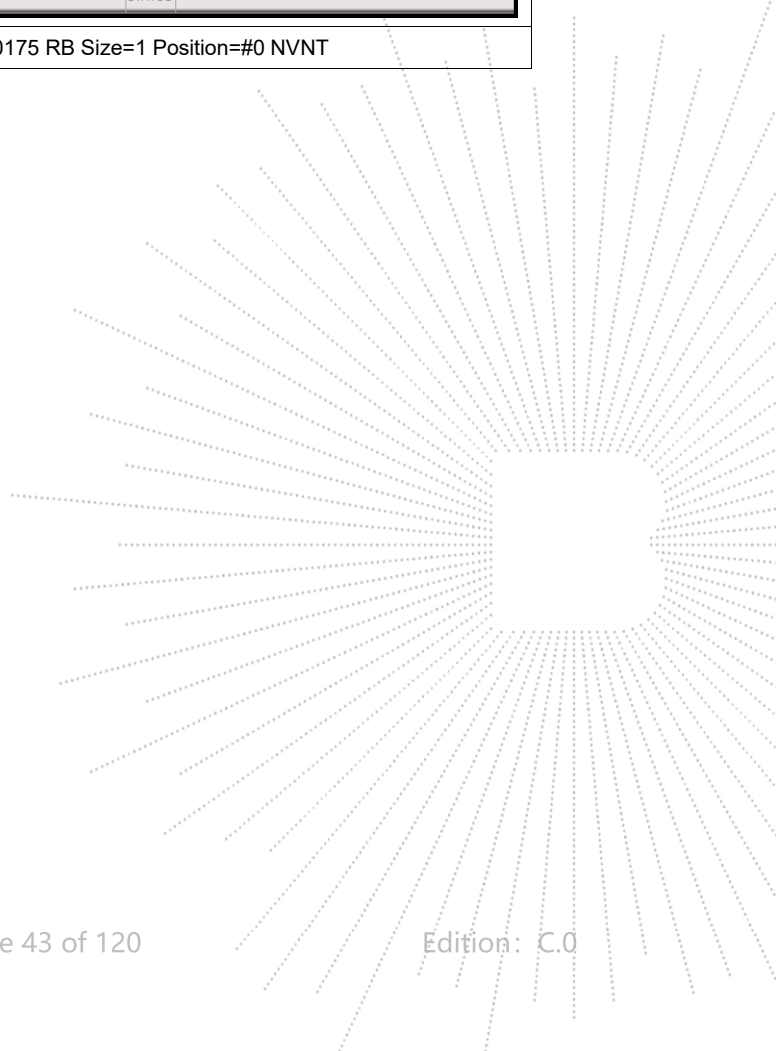
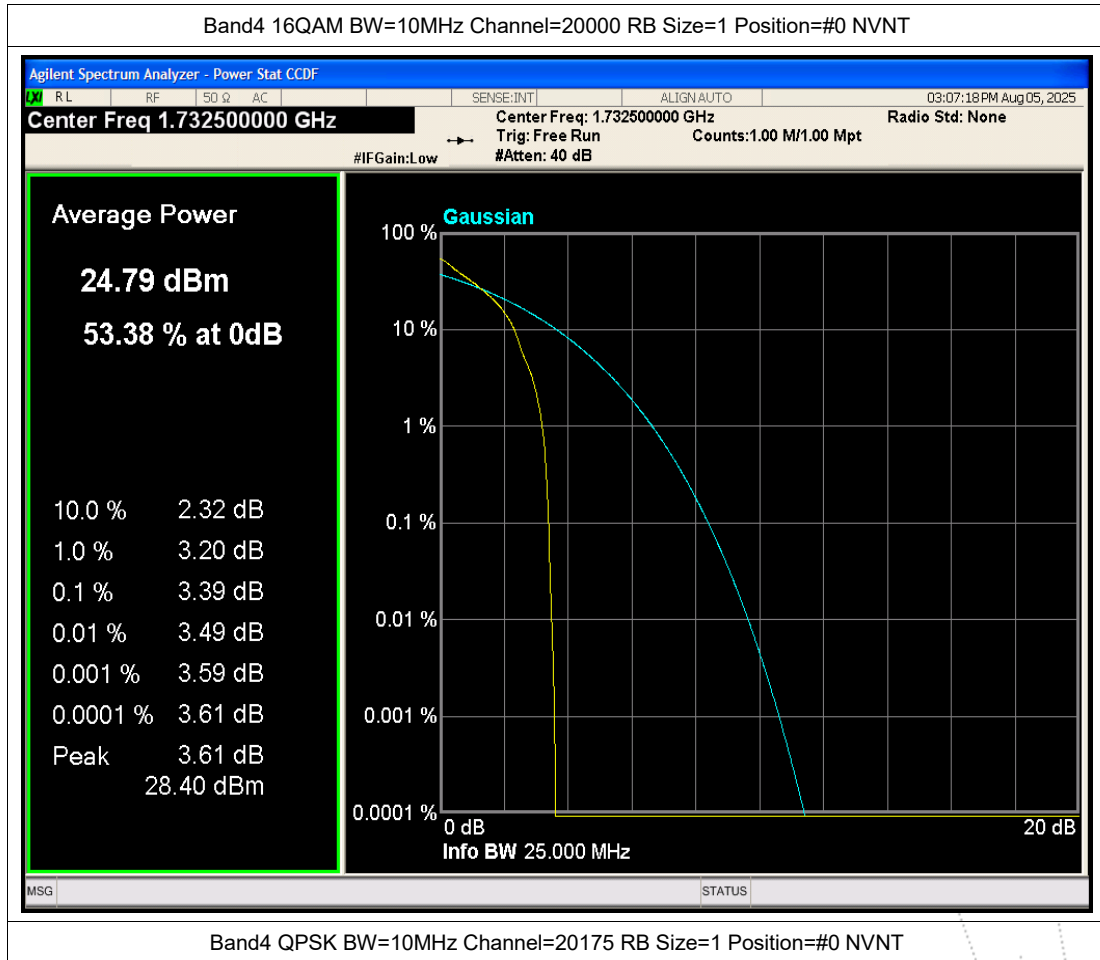


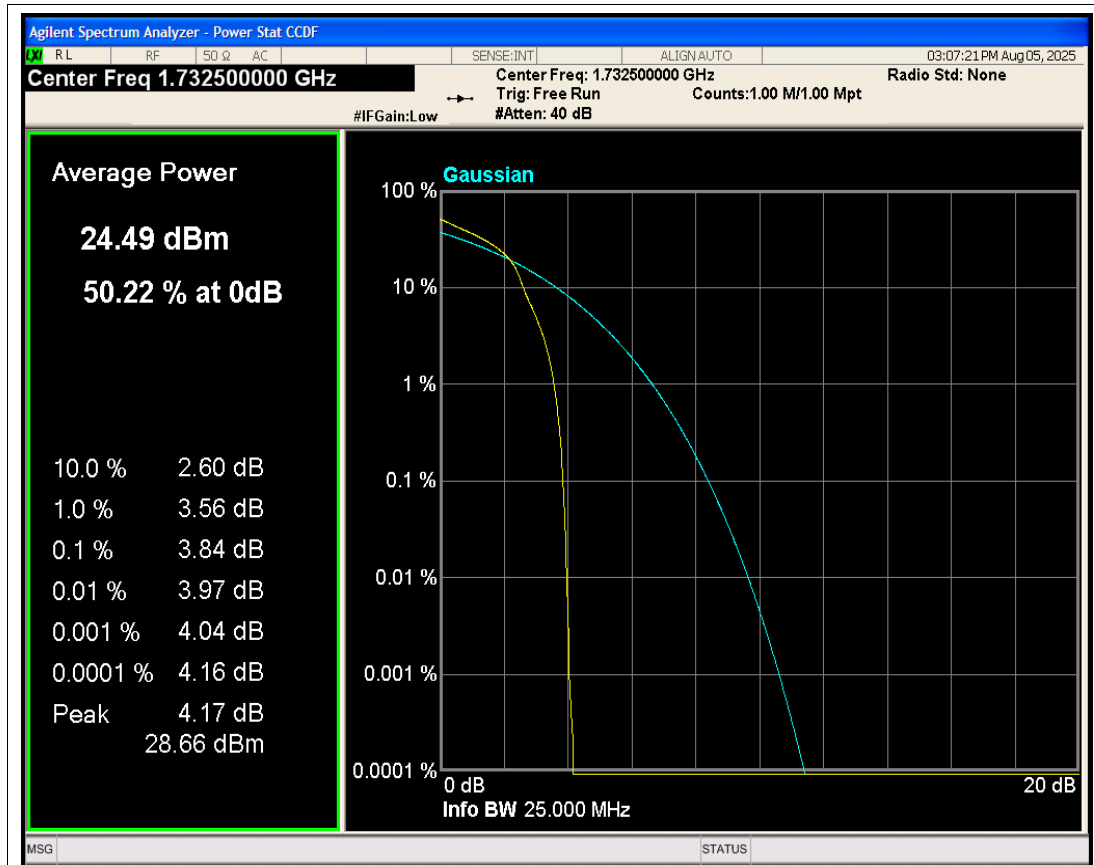




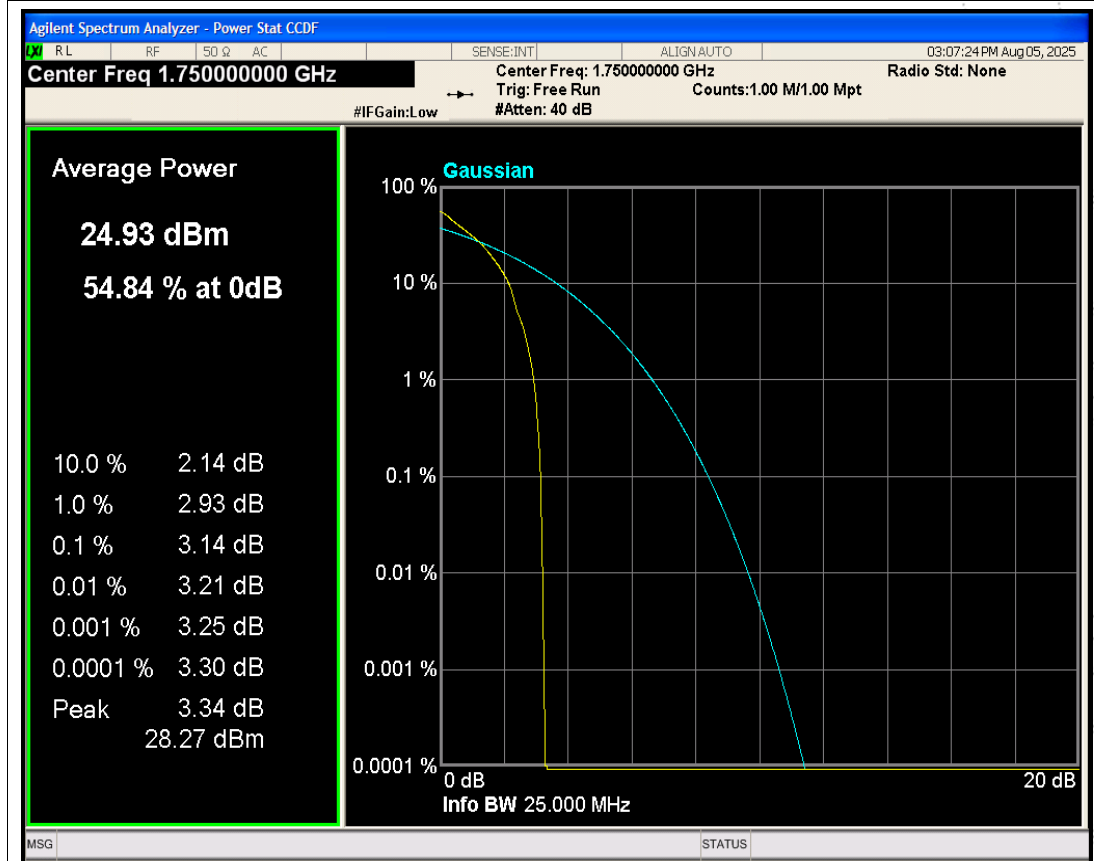
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT

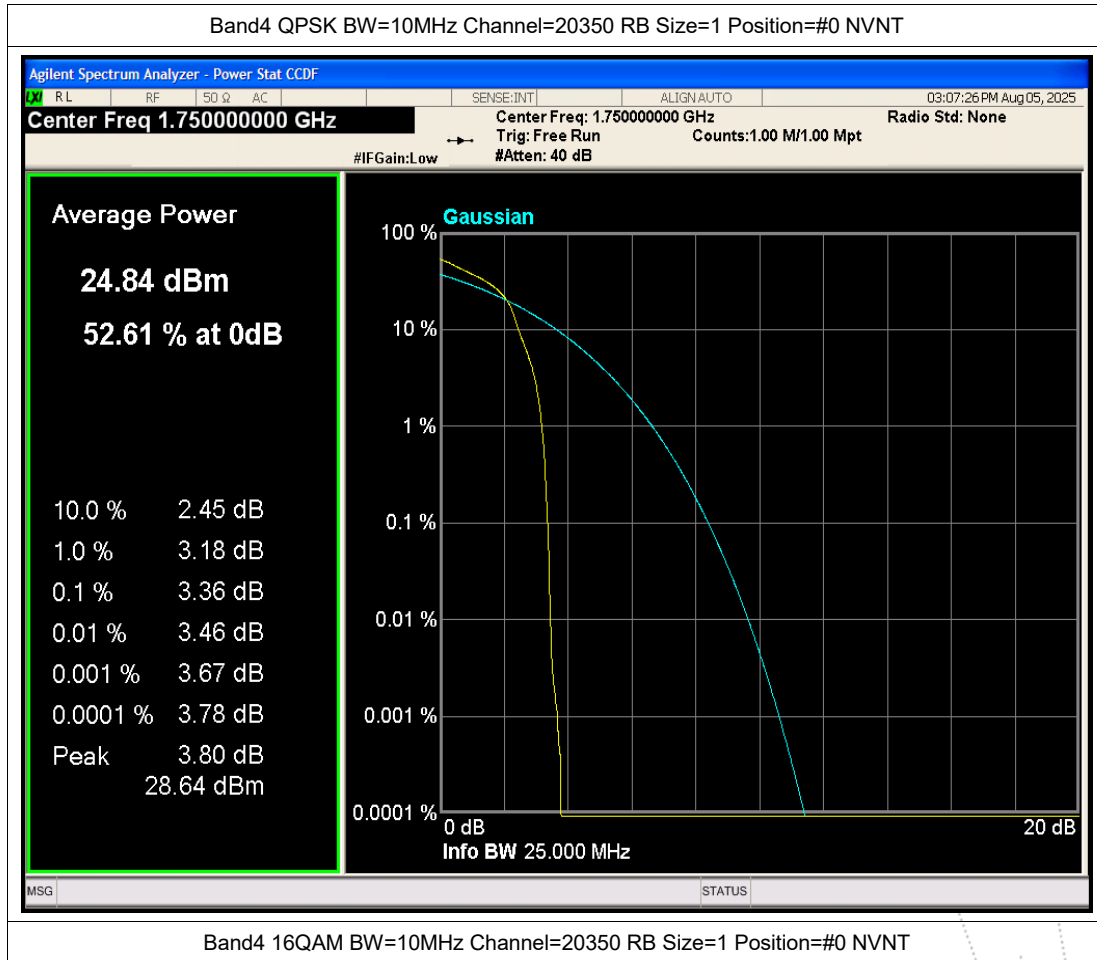


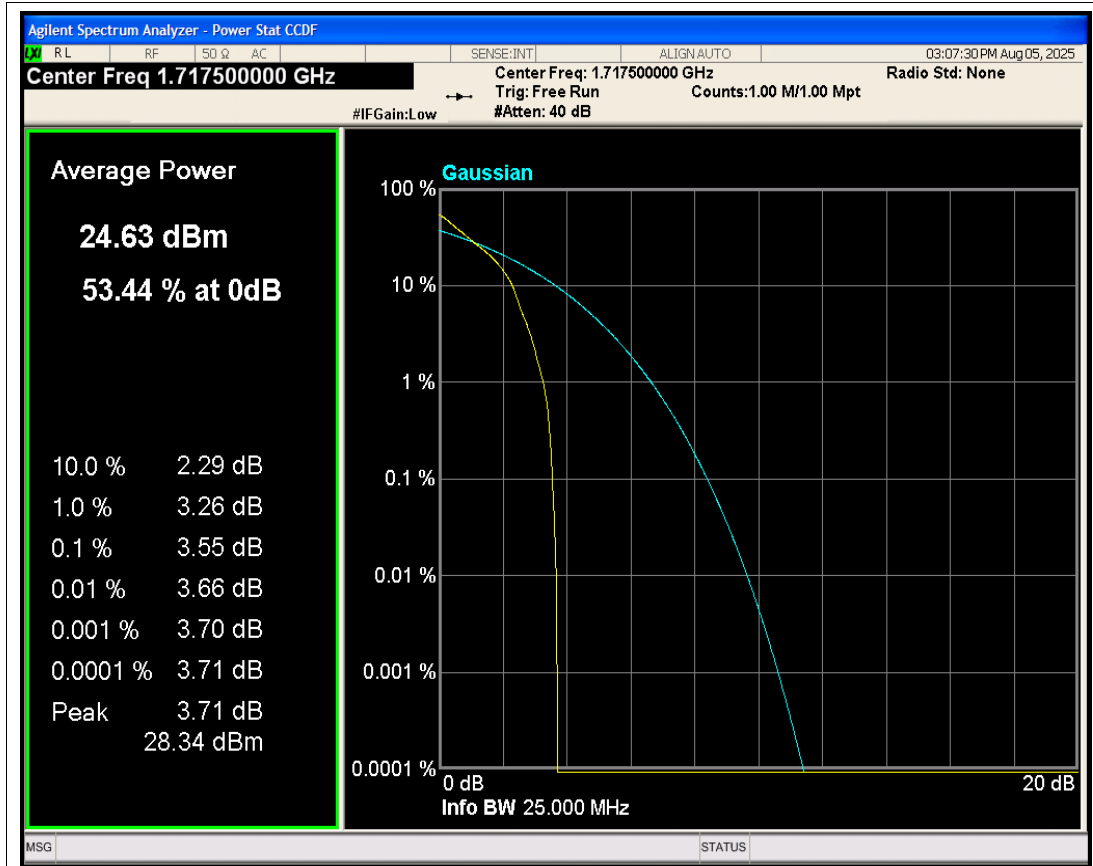




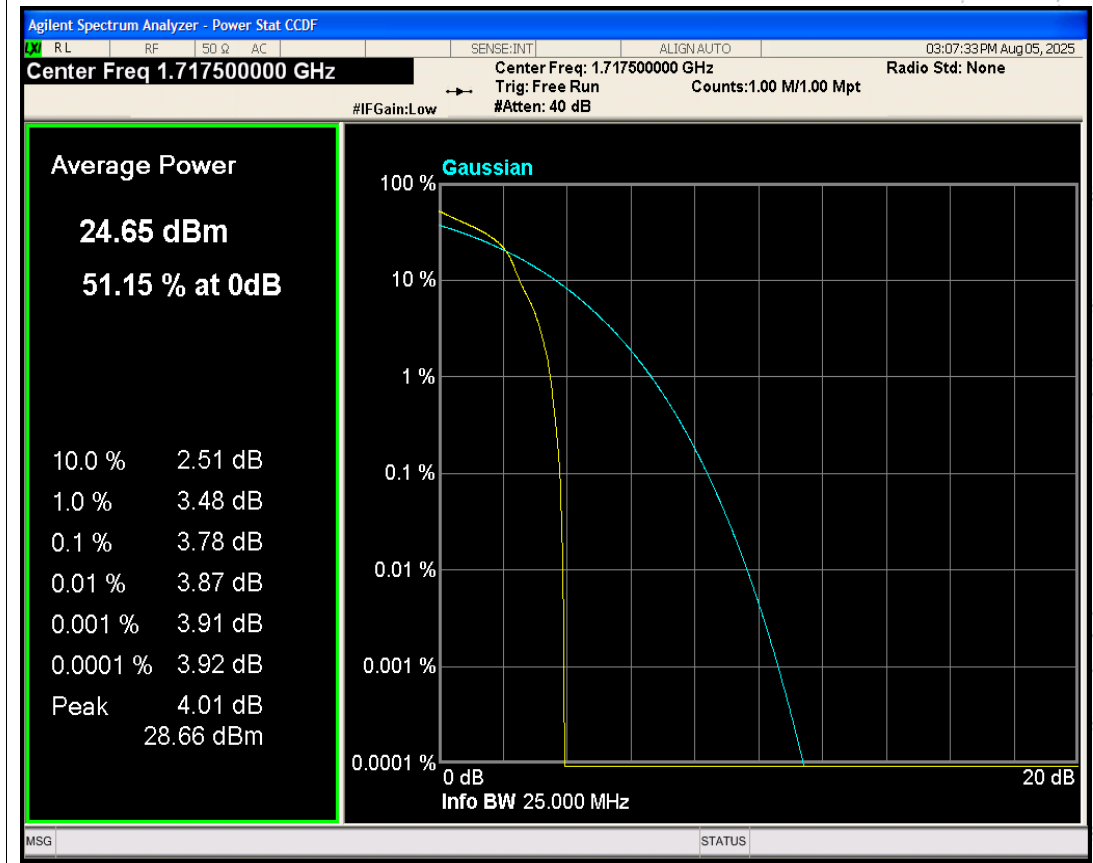
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT

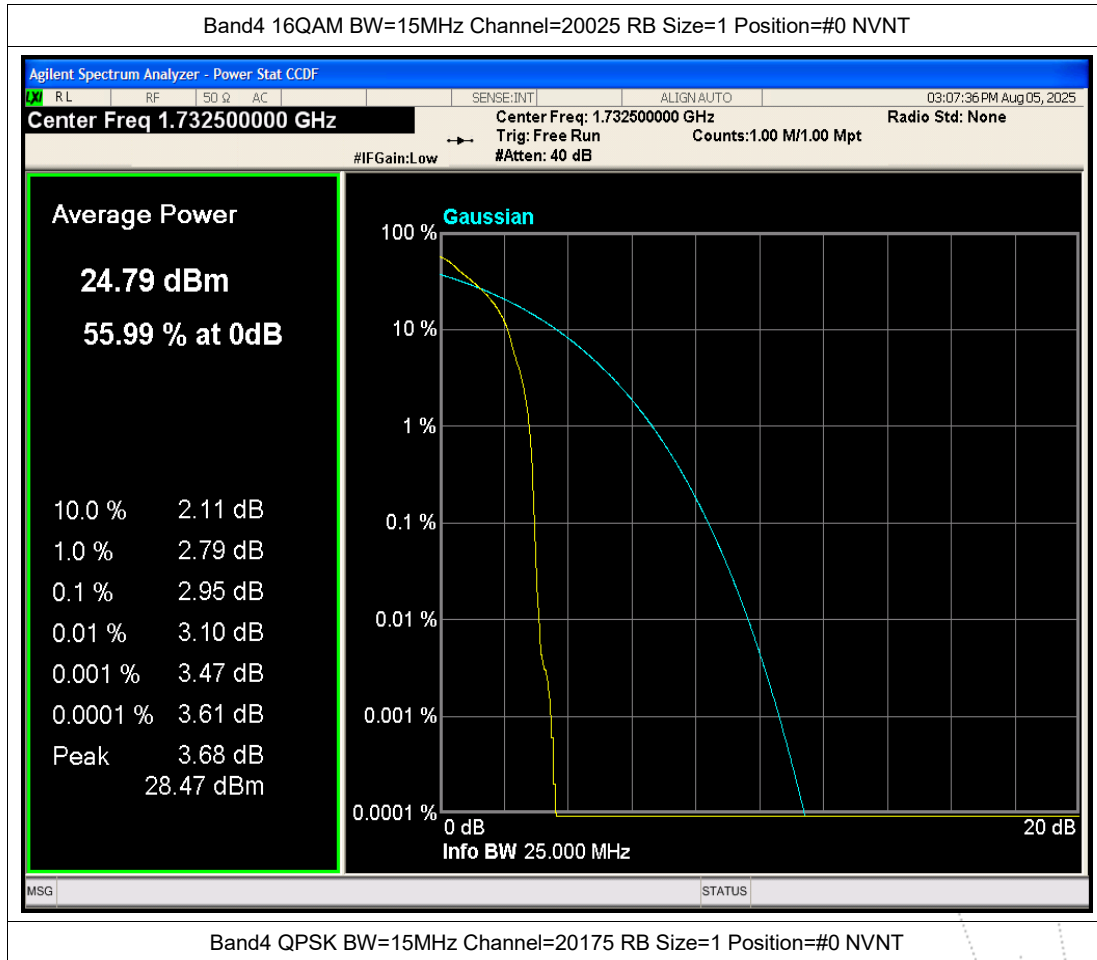


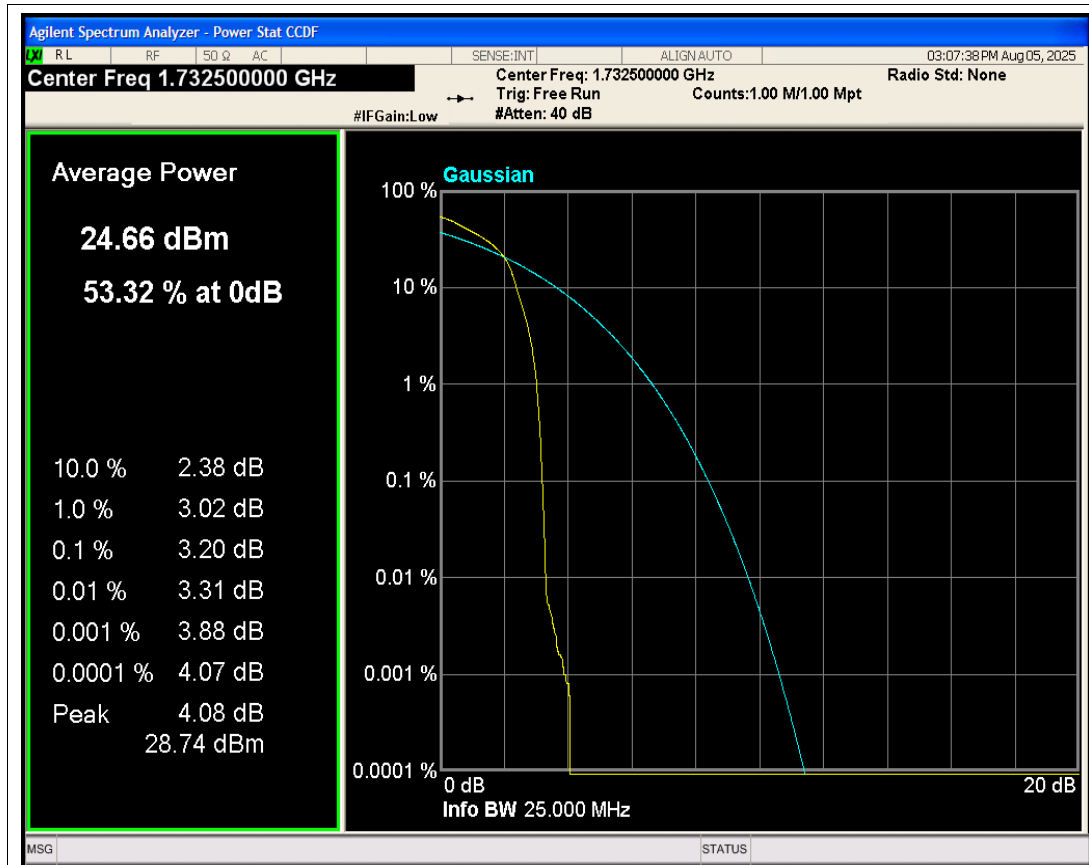




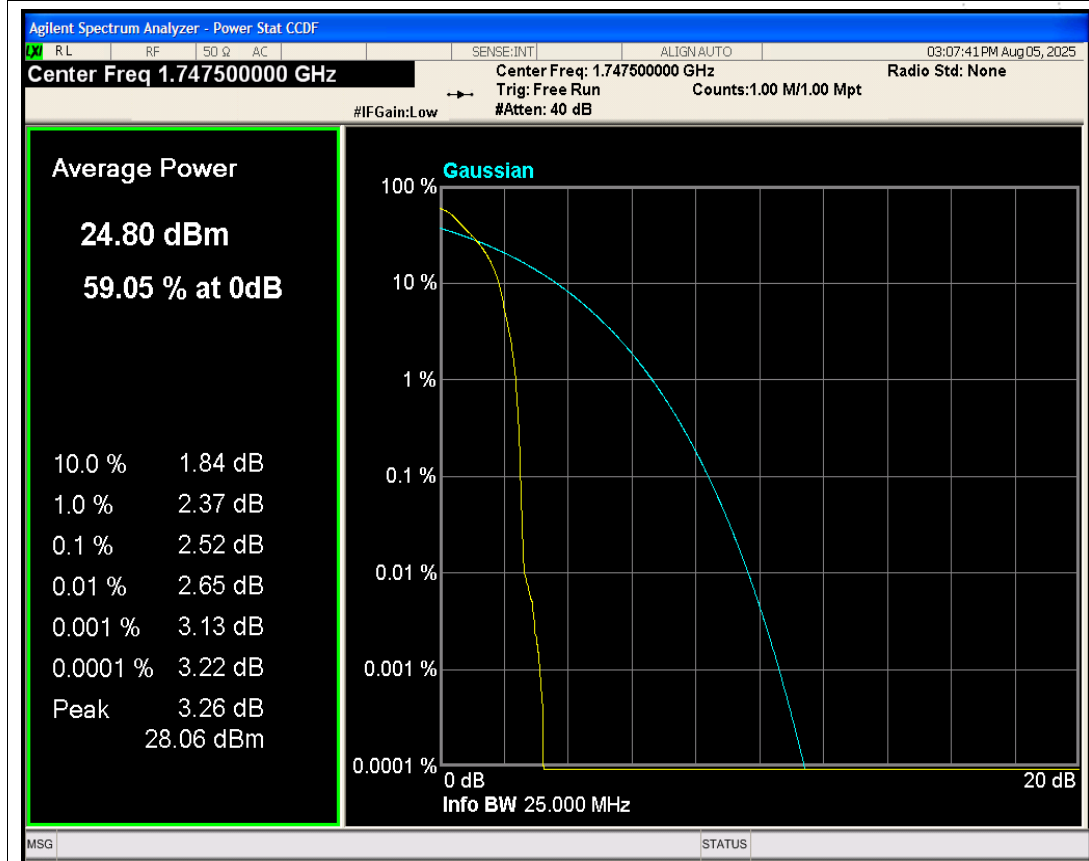
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT

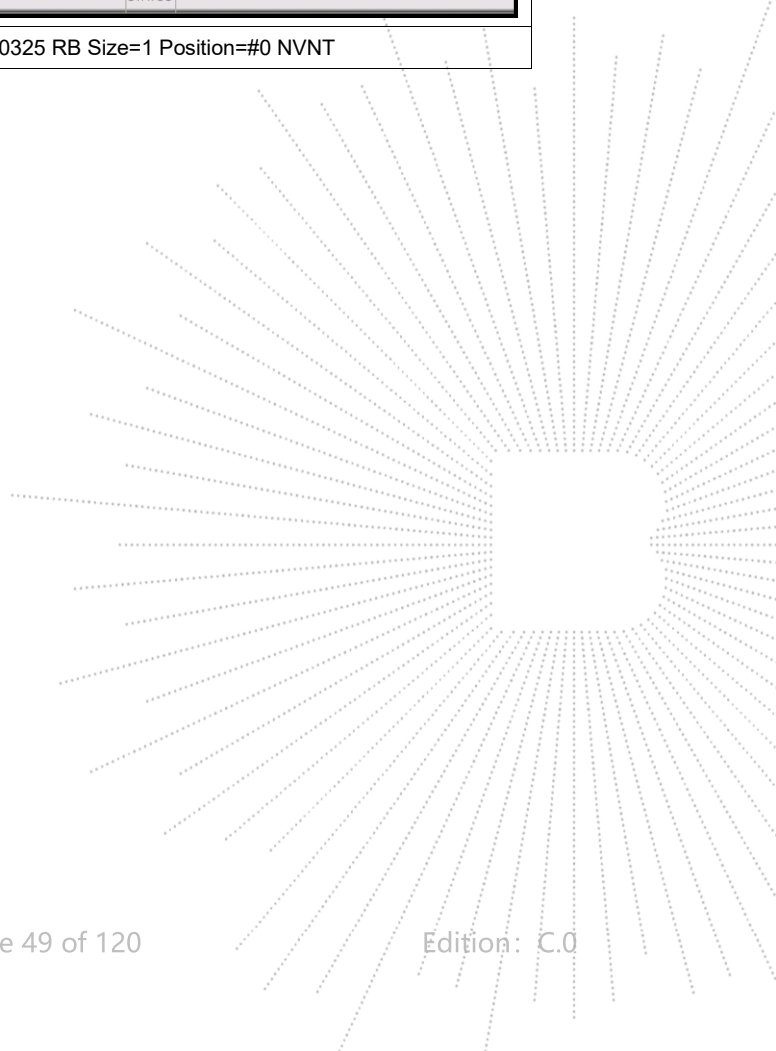
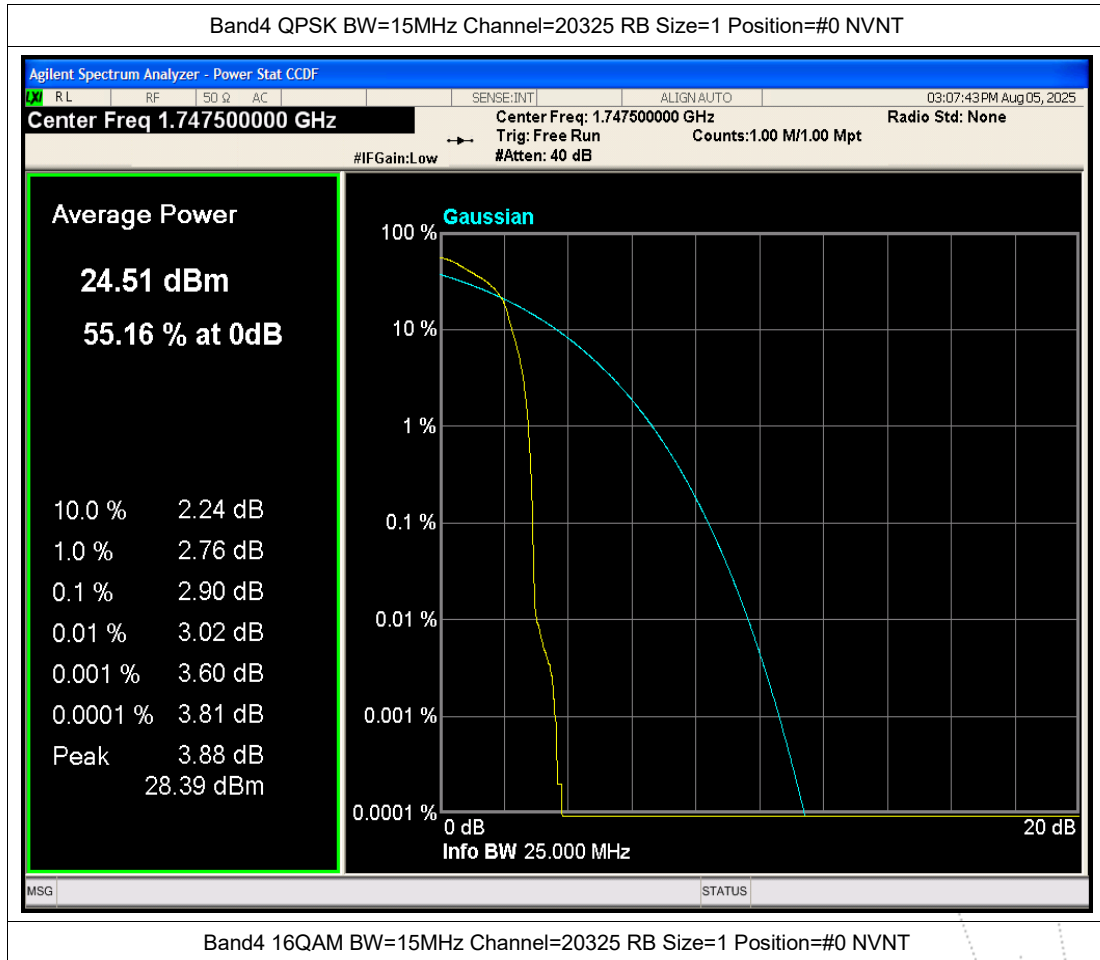


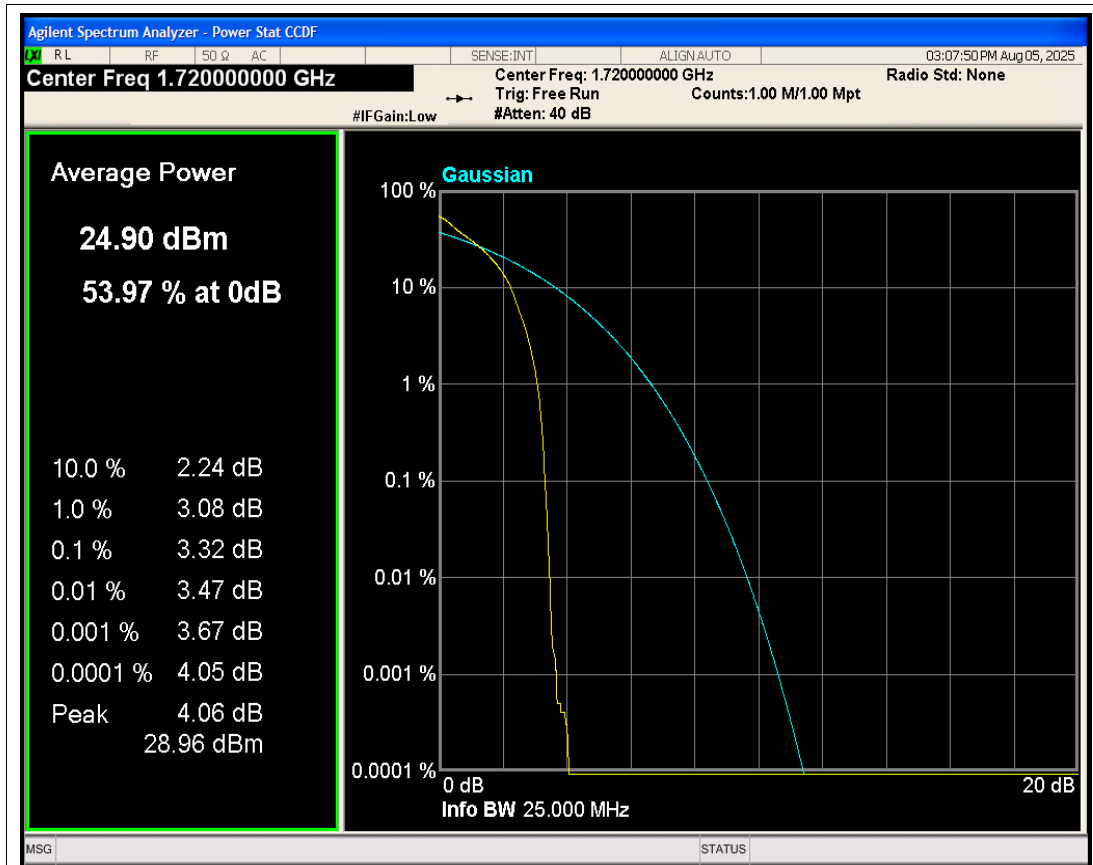




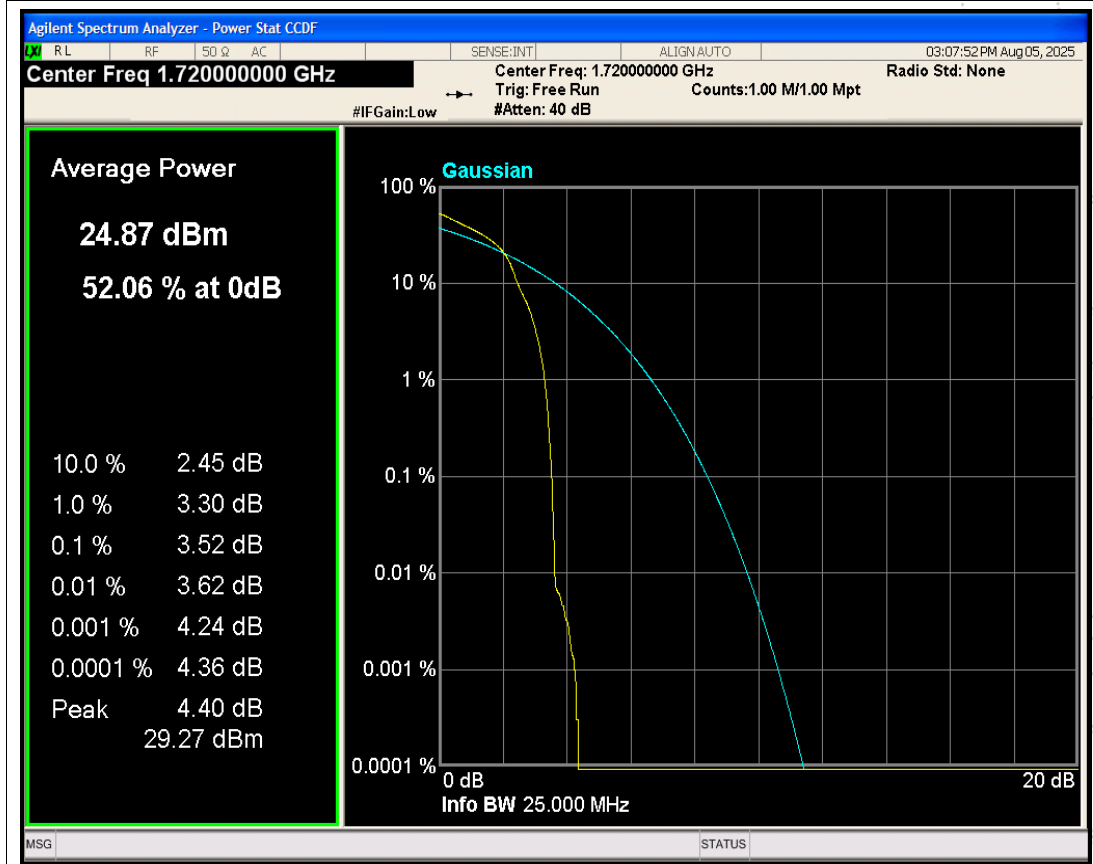
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT

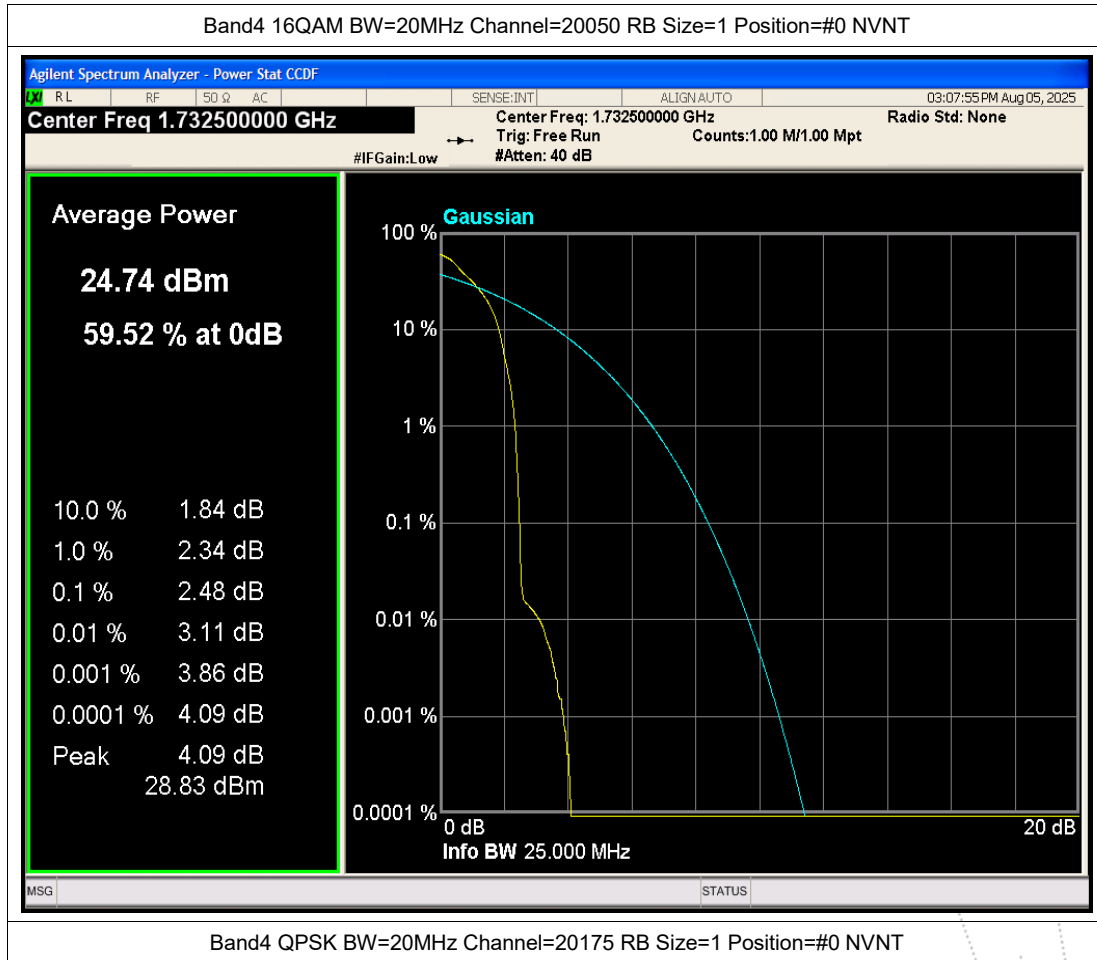


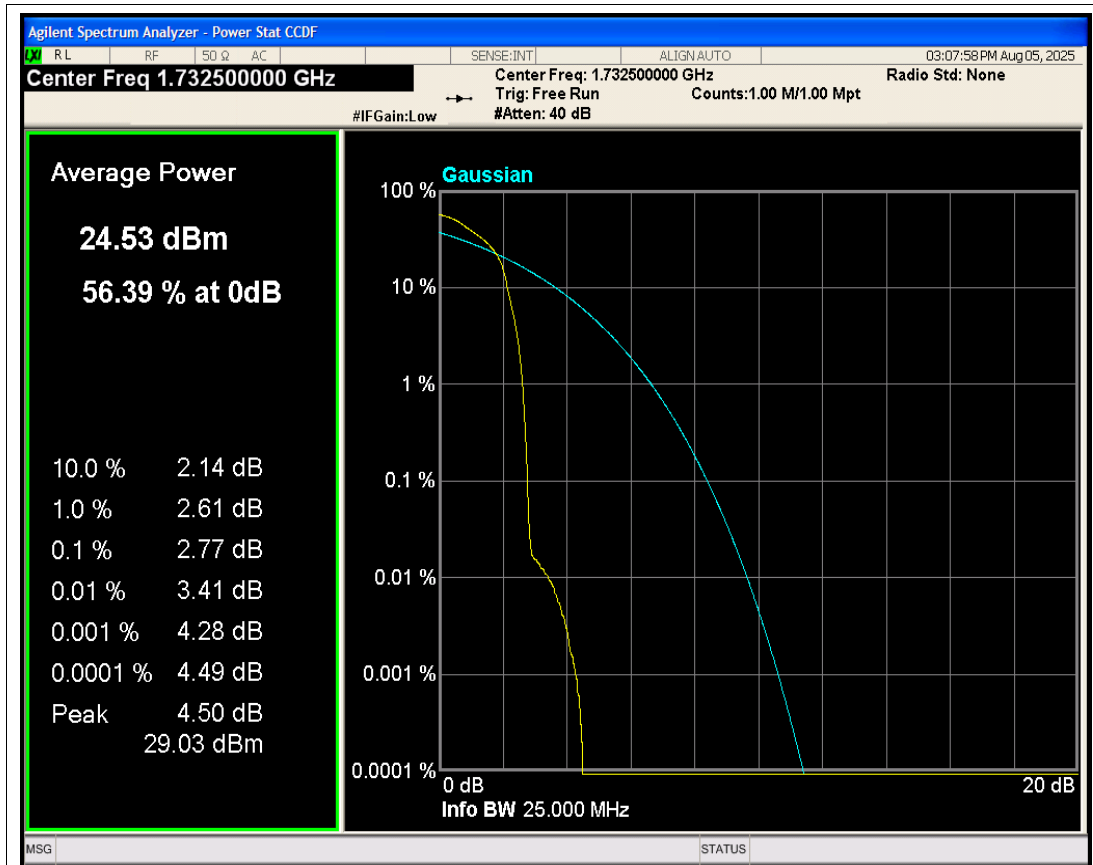




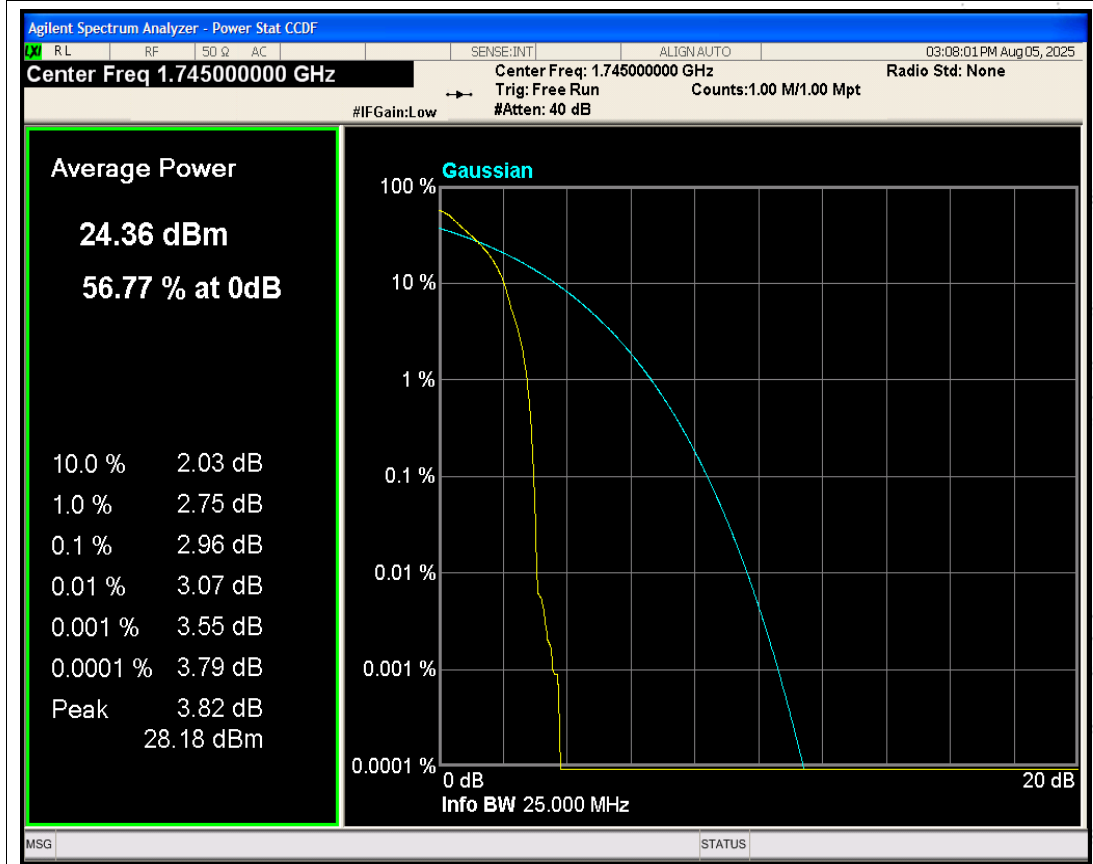
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT

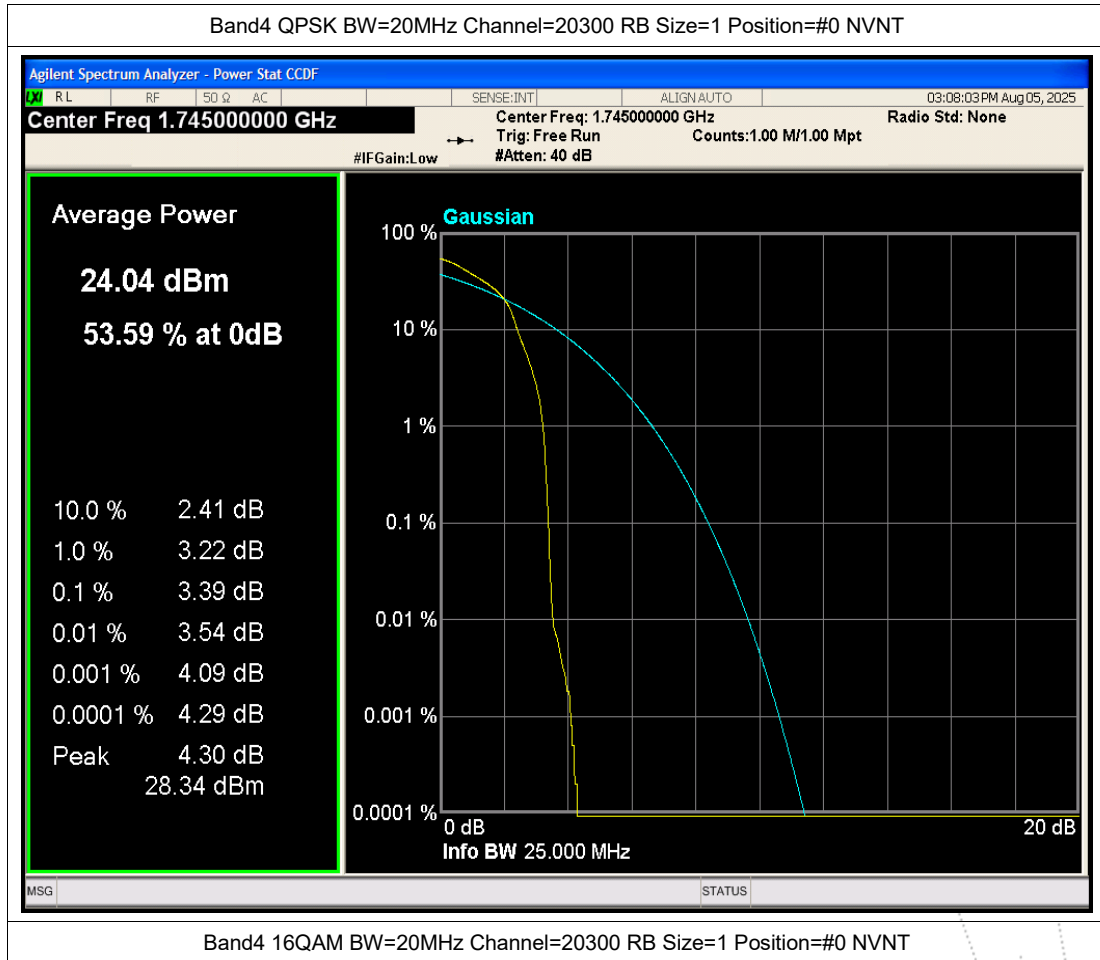






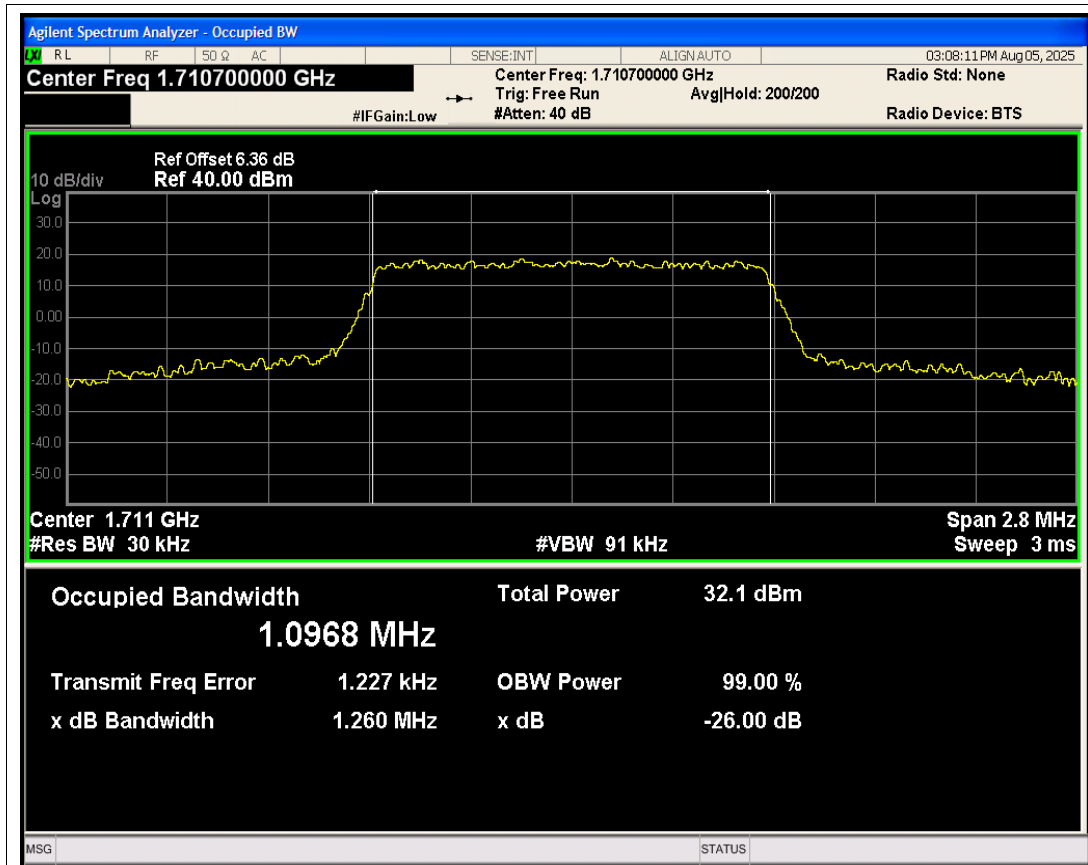
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



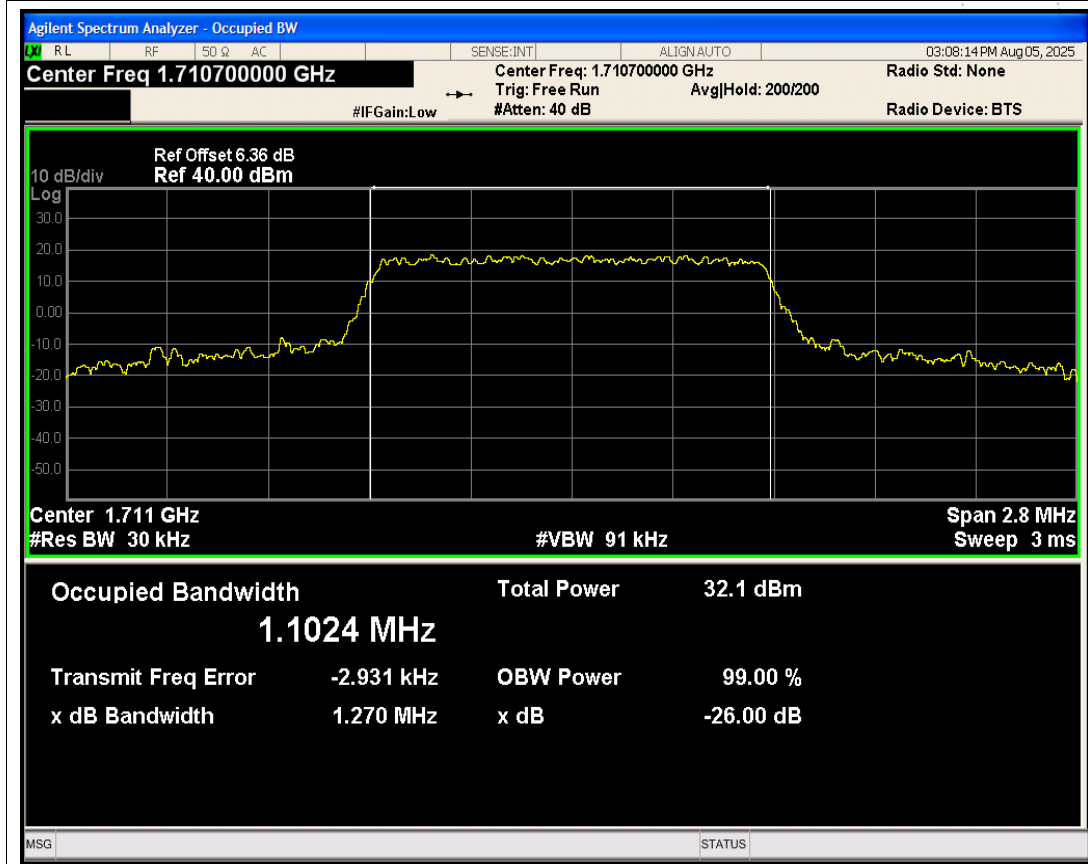


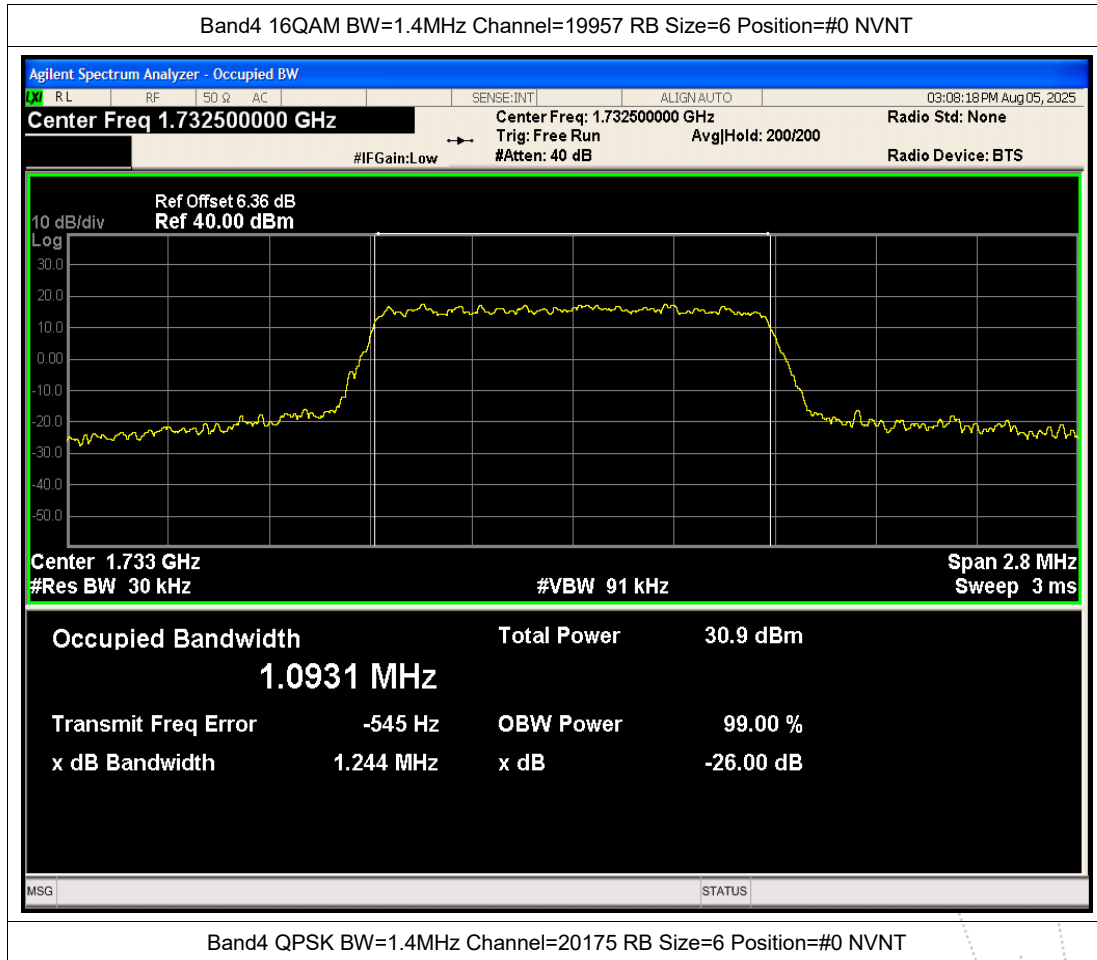
Appendix 4.Occupied bandwidth

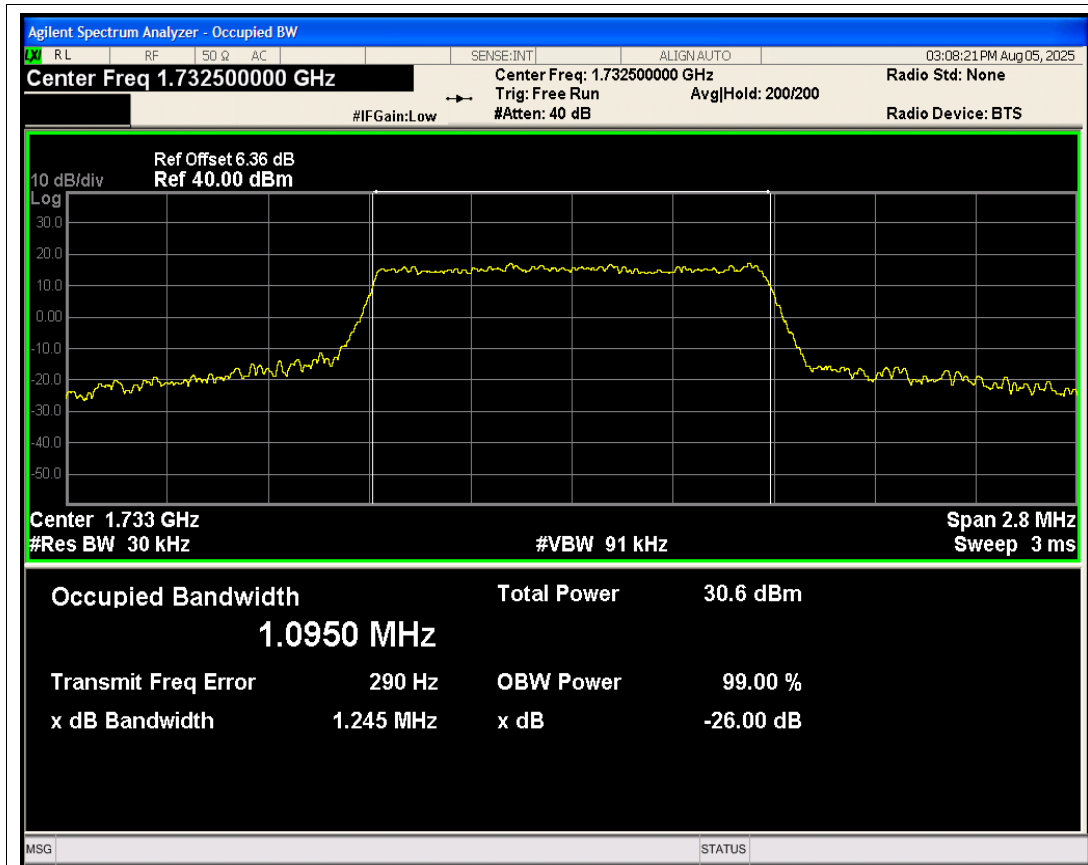
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1.097	1.260	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1.102	1.270	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	1.093	1.244	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	1.095	1.245	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1.107	1.385	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1.111	1.758	PASS
NVNT	Band4	3	19965	15	#0	QPSK	2.704	3.067	PASS
NVNT	Band4	3	19965	15	#0	16QAM	2.708	3.075	PASS
NVNT	Band4	3	20175	15	#0	QPSK	2.698	3.029	PASS
NVNT	Band4	3	20175	15	#0	16QAM	2.707	3.034	PASS
NVNT	Band4	3	20385	15	#0	QPSK	2.724	3.112	PASS
NVNT	Band4	3	20385	15	#0	16QAM	2.733	3.338	PASS
NVNT	Band4	5	19975	25	#0	QPSK	4.552	4.955	PASS
NVNT	Band4	5	19975	25	#0	16QAM	4.508	4.973	PASS
NVNT	Band4	5	20175	25	#0	QPSK	4.521	4.964	PASS
NVNT	Band4	5	20175	25	#0	16QAM	4.501	4.950	PASS
NVNT	Band4	5	20375	25	#0	QPSK	4.529	4.979	PASS
NVNT	Band4	5	20375	25	#0	16QAM	4.552	6.999	PASS
NVNT	Band4	10	20000	50	#0	QPSK	9.059	11.648	PASS
NVNT	Band4	10	20000	50	#0	16QAM	9.033	13.587	PASS
NVNT	Band4	10	20175	50	#0	QPSK	8.977	9.763	PASS
NVNT	Band4	10	20175	50	#0	16QAM	8.966	9.752	PASS
NVNT	Band4	10	20350	50	#0	QPSK	9.007	9.905	PASS
NVNT	Band4	10	20350	50	#0	16QAM	9.010	9.923	PASS
NVNT	Band4	15	20025	75	#0	QPSK	13.559	17.518	PASS
NVNT	Band4	15	20025	75	#0	16QAM	13.564	19.910	PASS
NVNT	Band4	15	20175	75	#0	QPSK	13.433	14.851	PASS
NVNT	Band4	15	20175	75	#0	16QAM	13.469	14.814	PASS
NVNT	Band4	15	20325	75	#0	QPSK	13.497	14.930	PASS
NVNT	Band4	15	20325	75	#0	16QAM	13.563	15.694	PASS
NVNT	Band4	20	20050	100	#0	QPSK	18.024	20.154	PASS
NVNT	Band4	20	20050	100	#0	16QAM	18.046	24.898	PASS
NVNT	Band4	20	20175	100	#0	QPSK	17.997	19.744	PASS
NVNT	Band4	20	20175	100	#0	16QAM	17.965	19.850	PASS
NVNT	Band4	20	20300	100	#0	QPSK	18.077	19.692	PASS
NVNT	Band4	20	20300	100	#0	16QAM	18.092	20.137	PASS



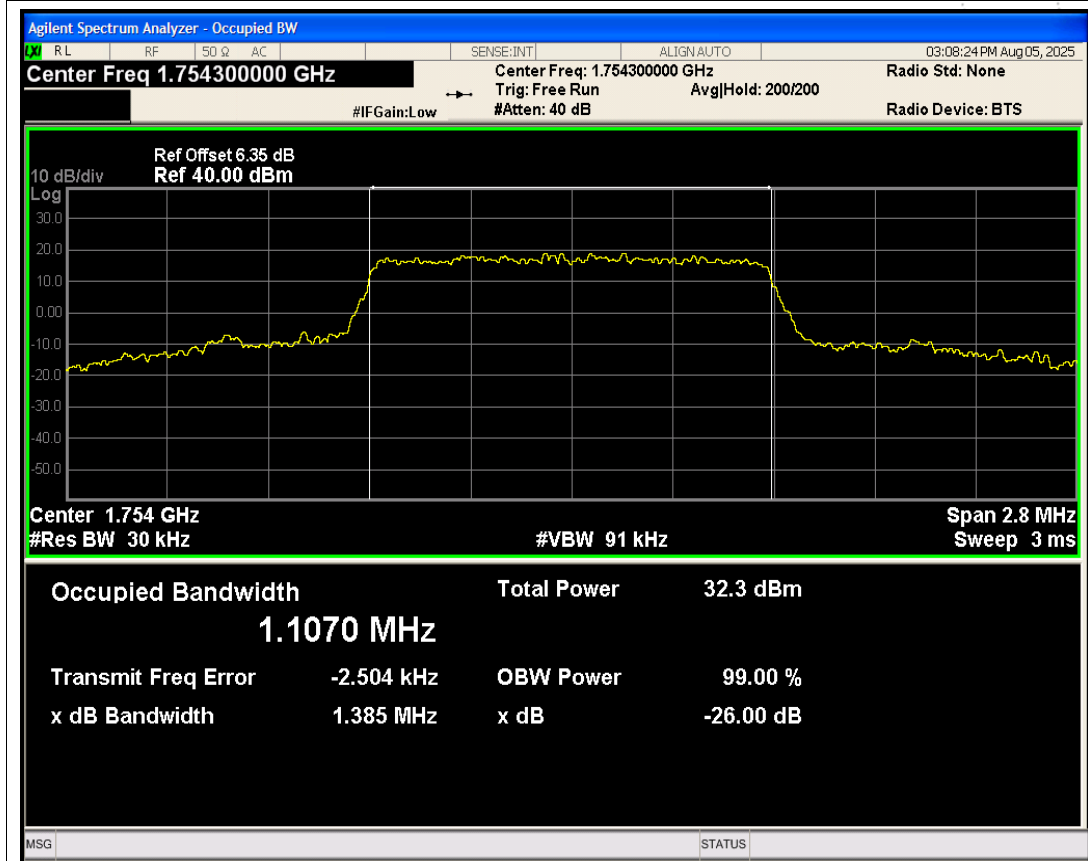
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

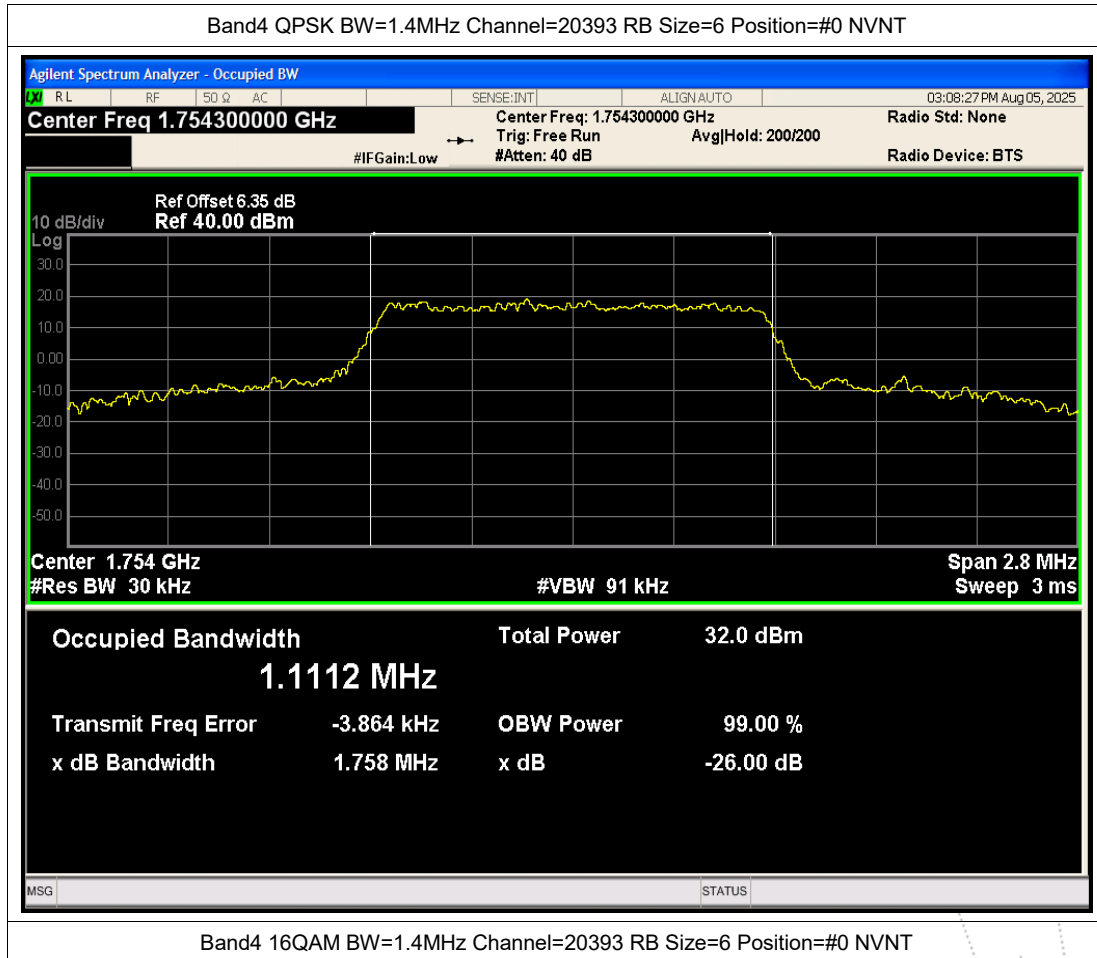


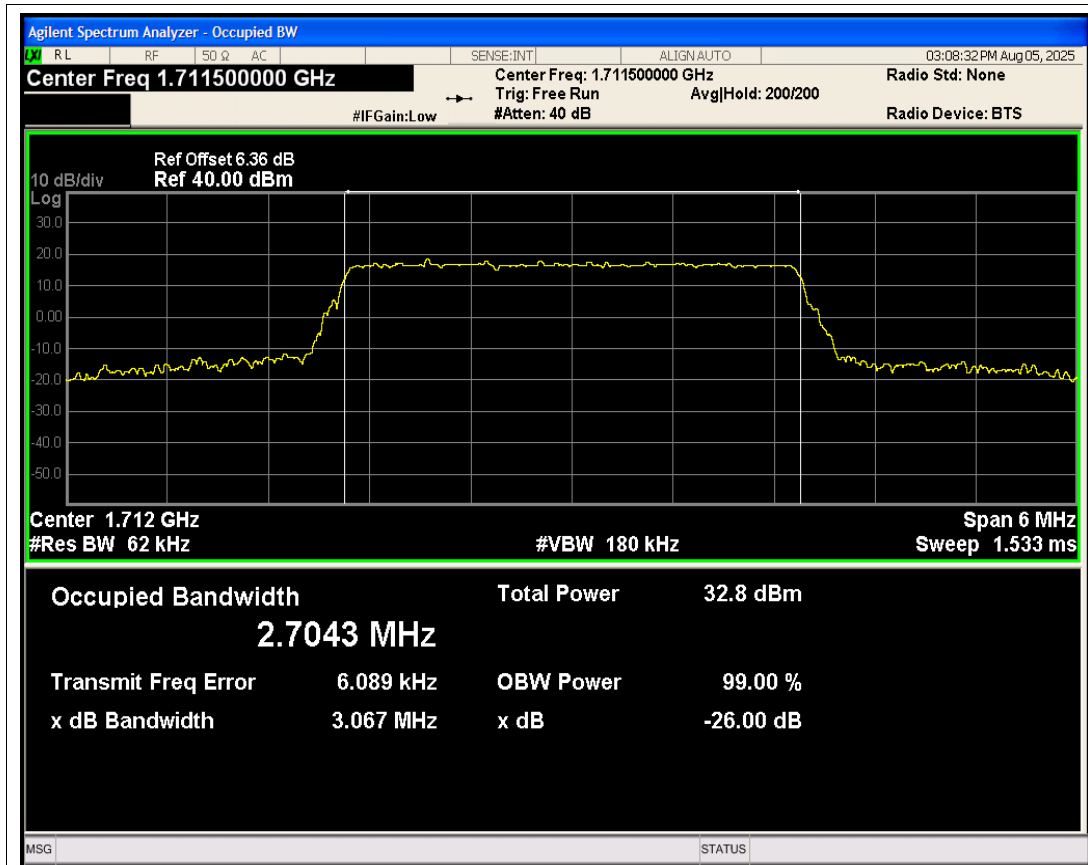




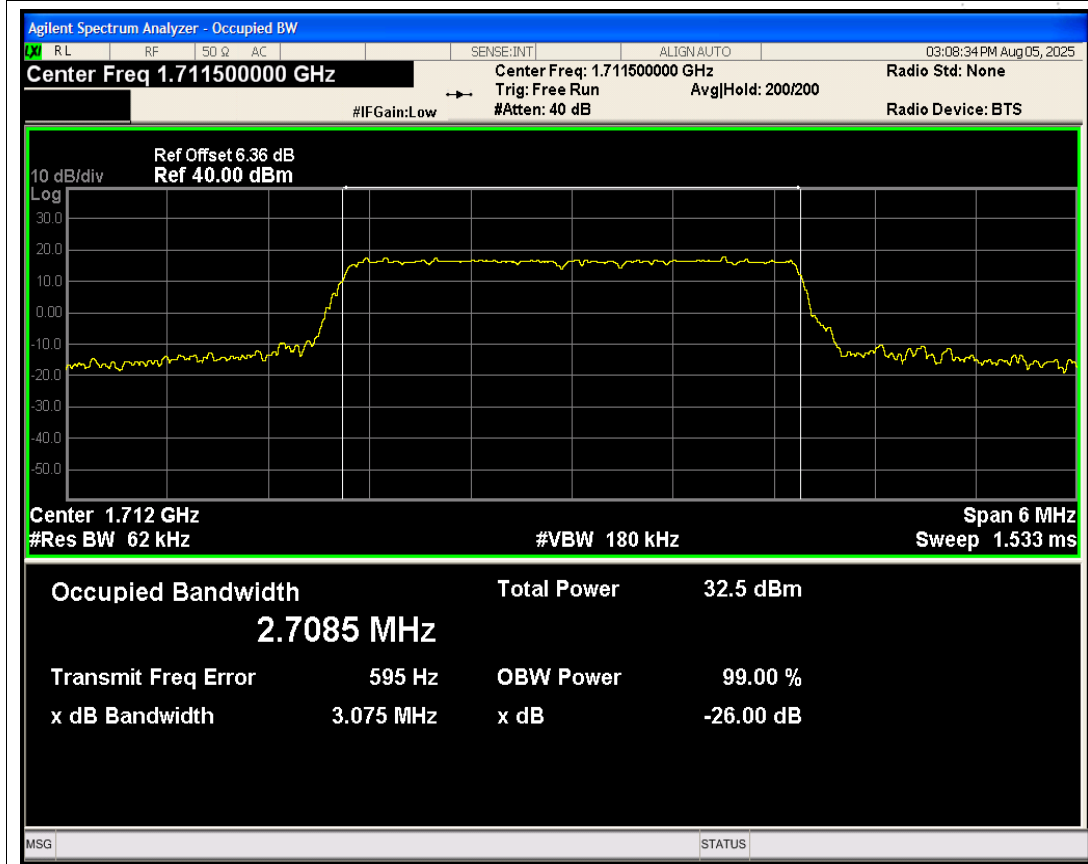
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT

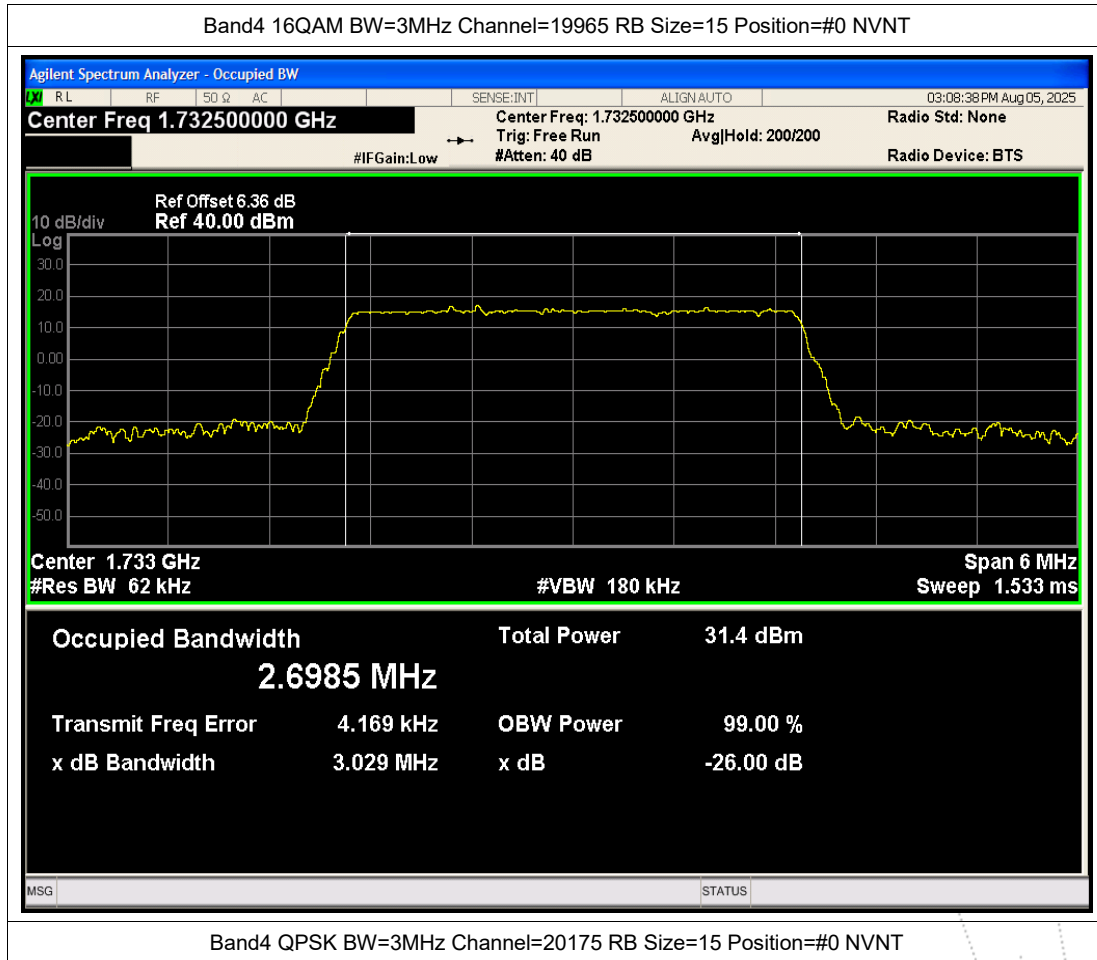


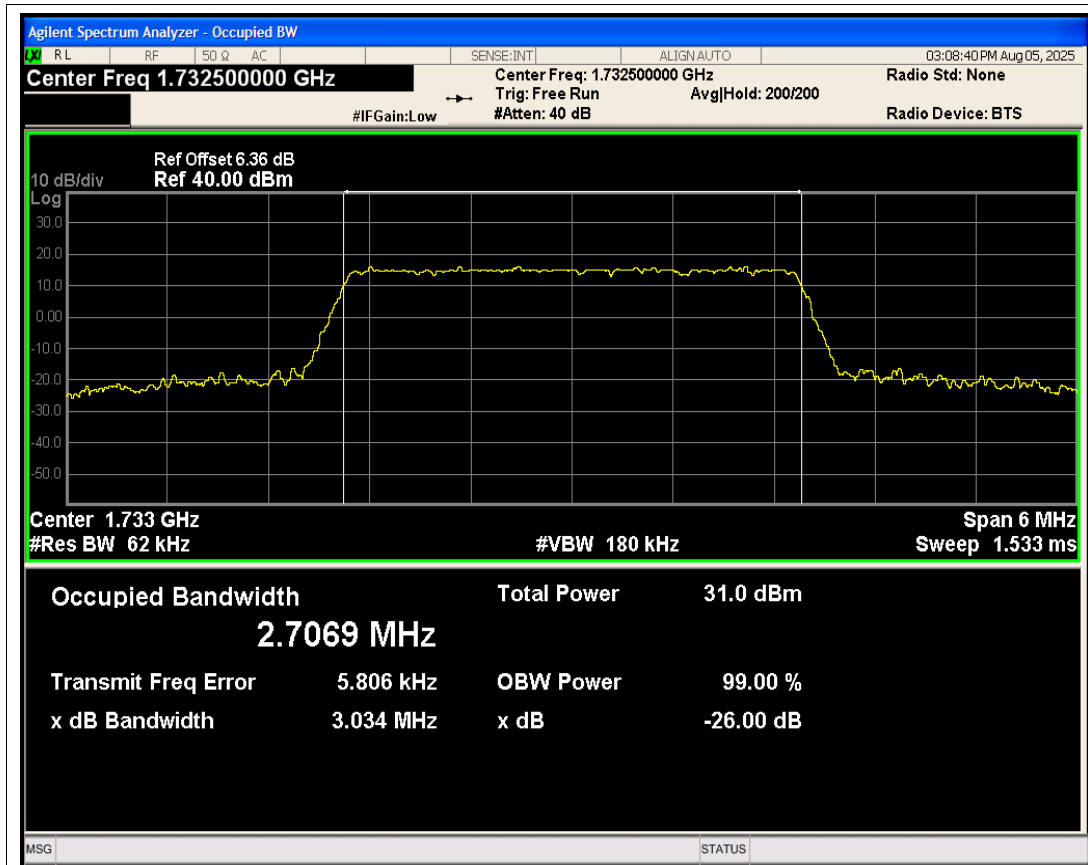




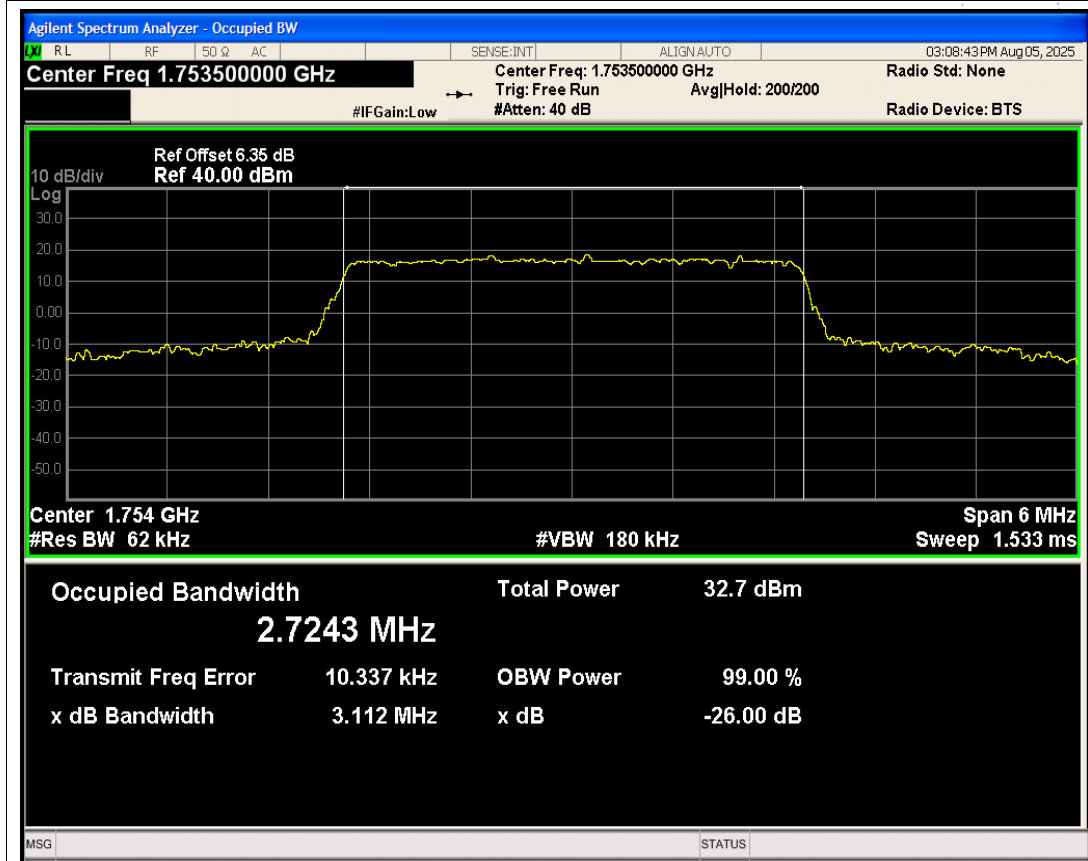
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

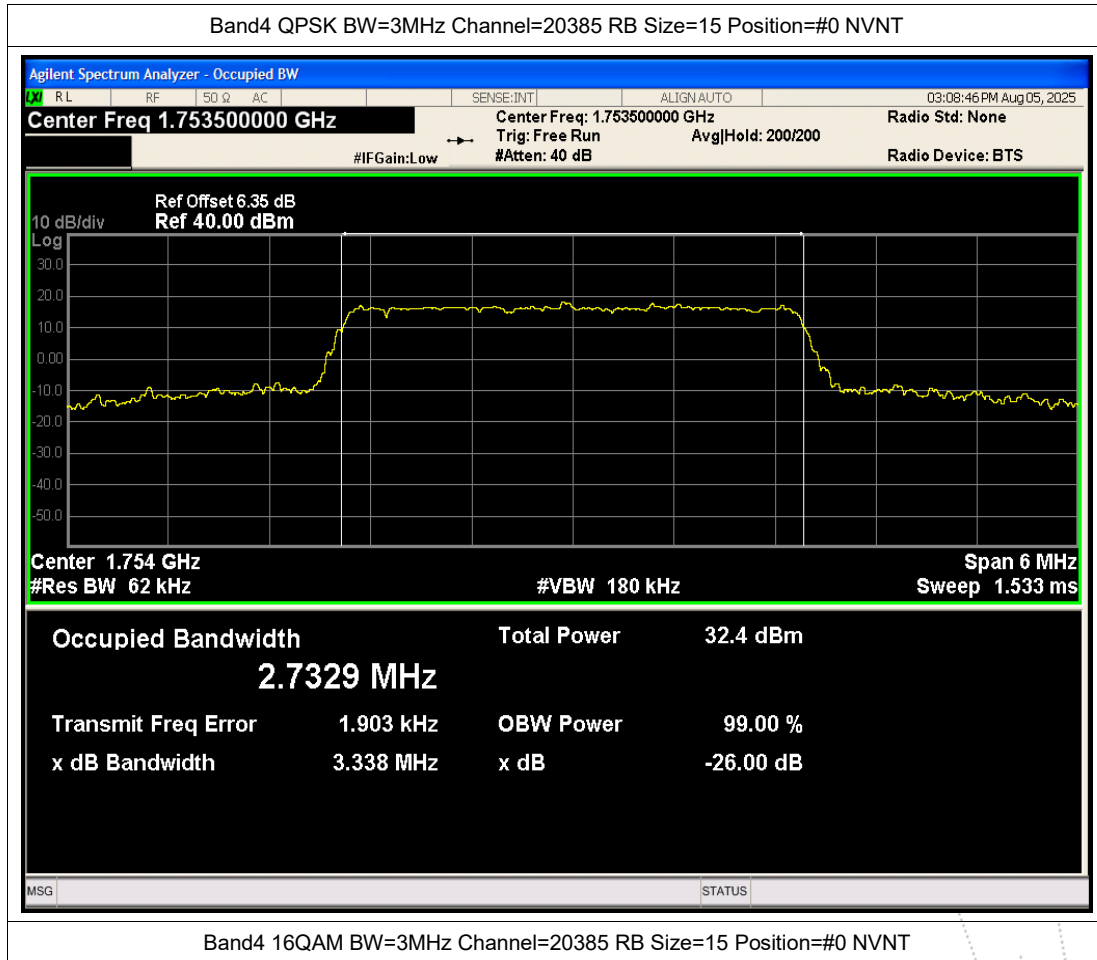


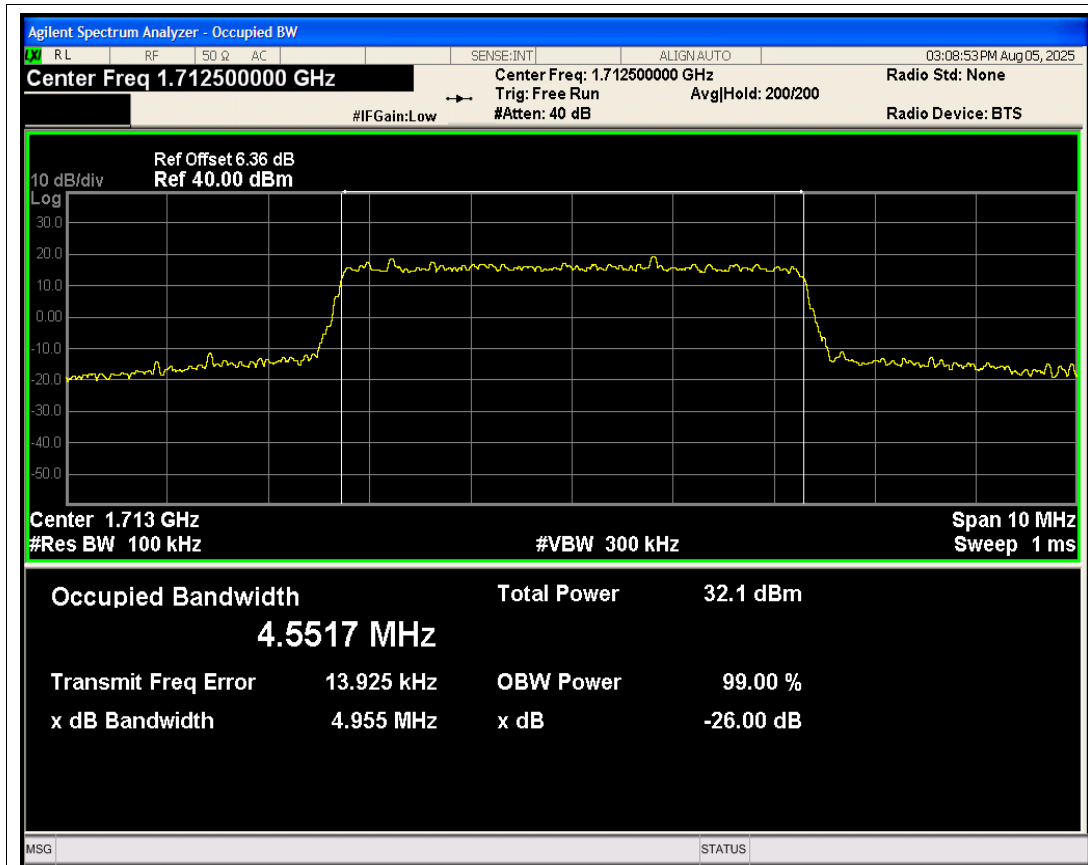




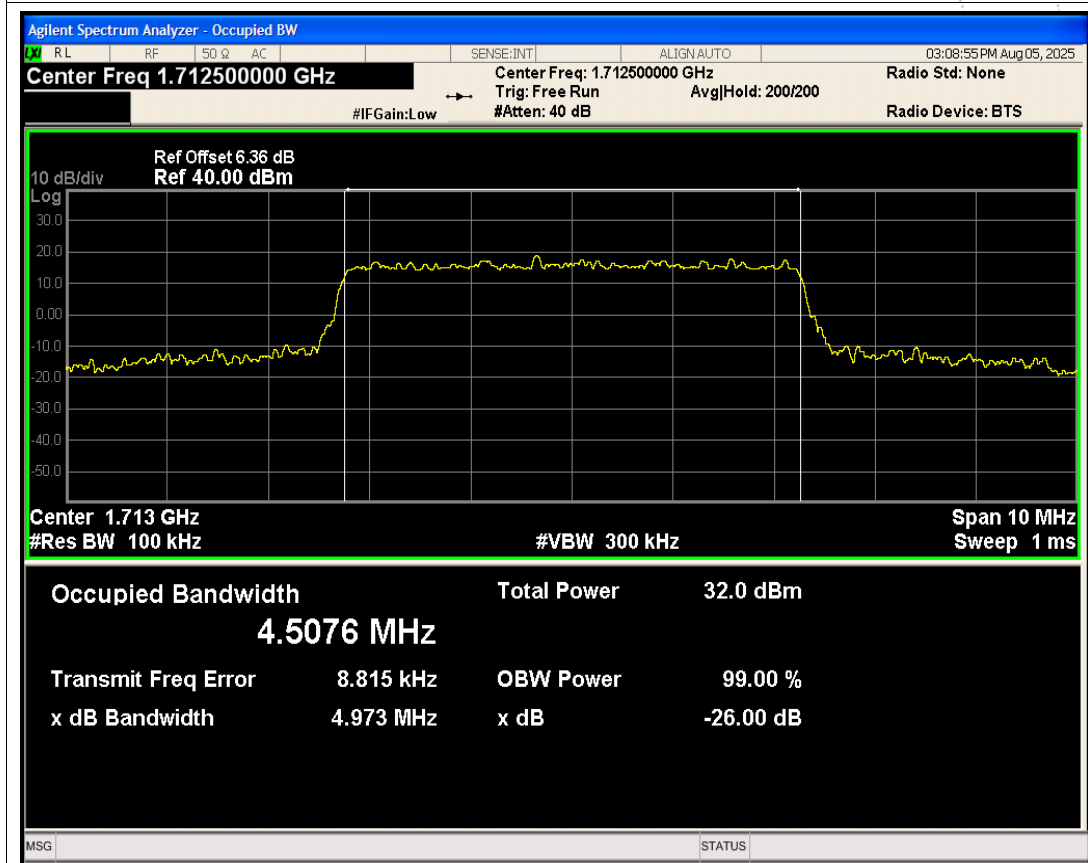
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT





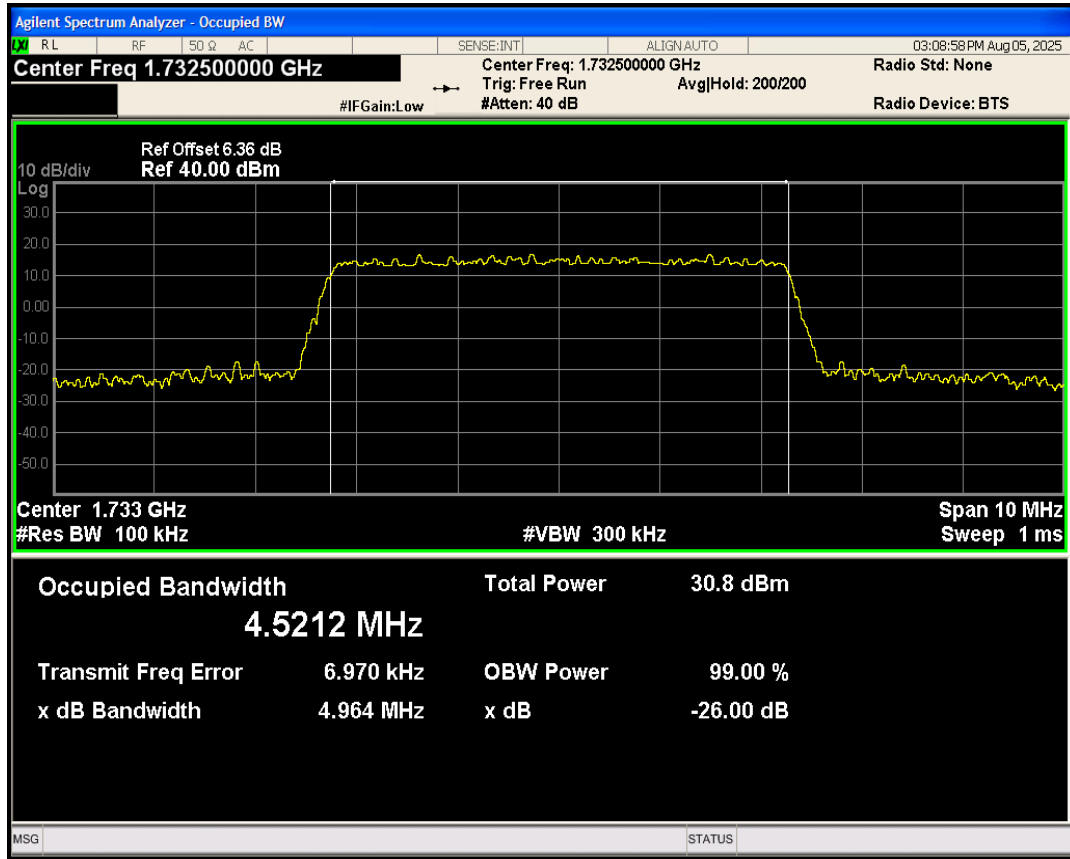


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

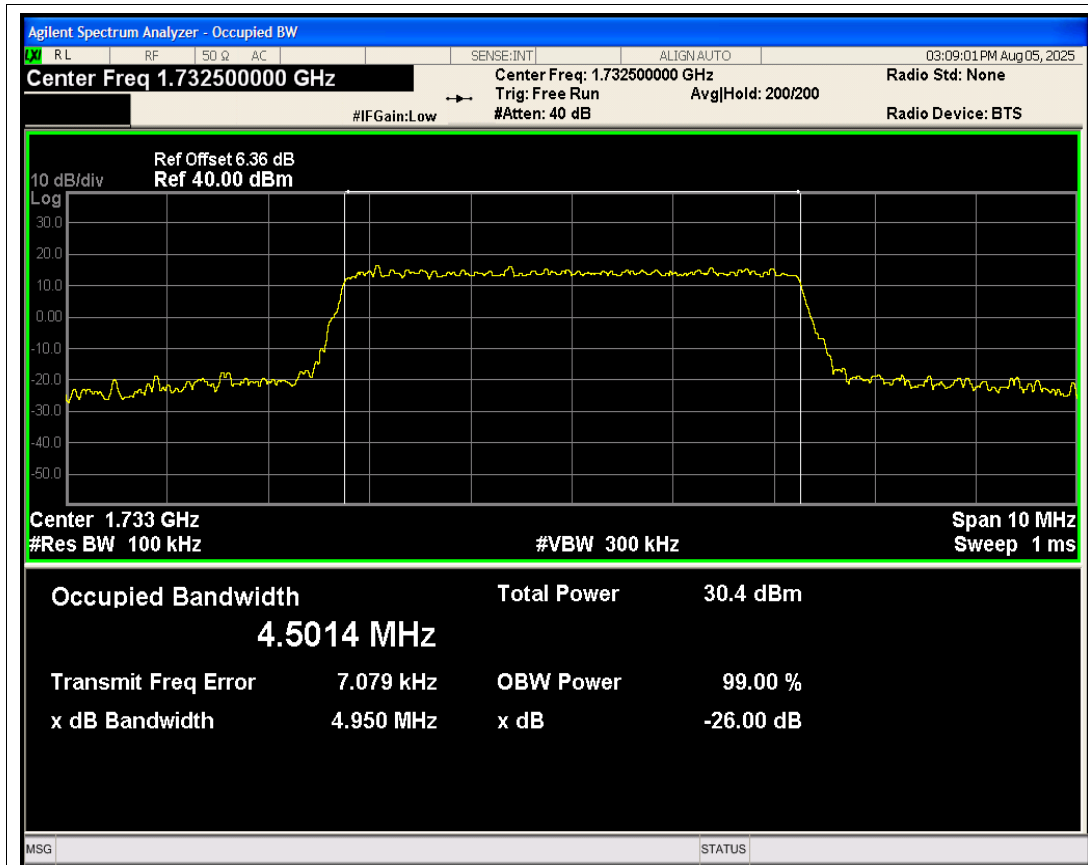




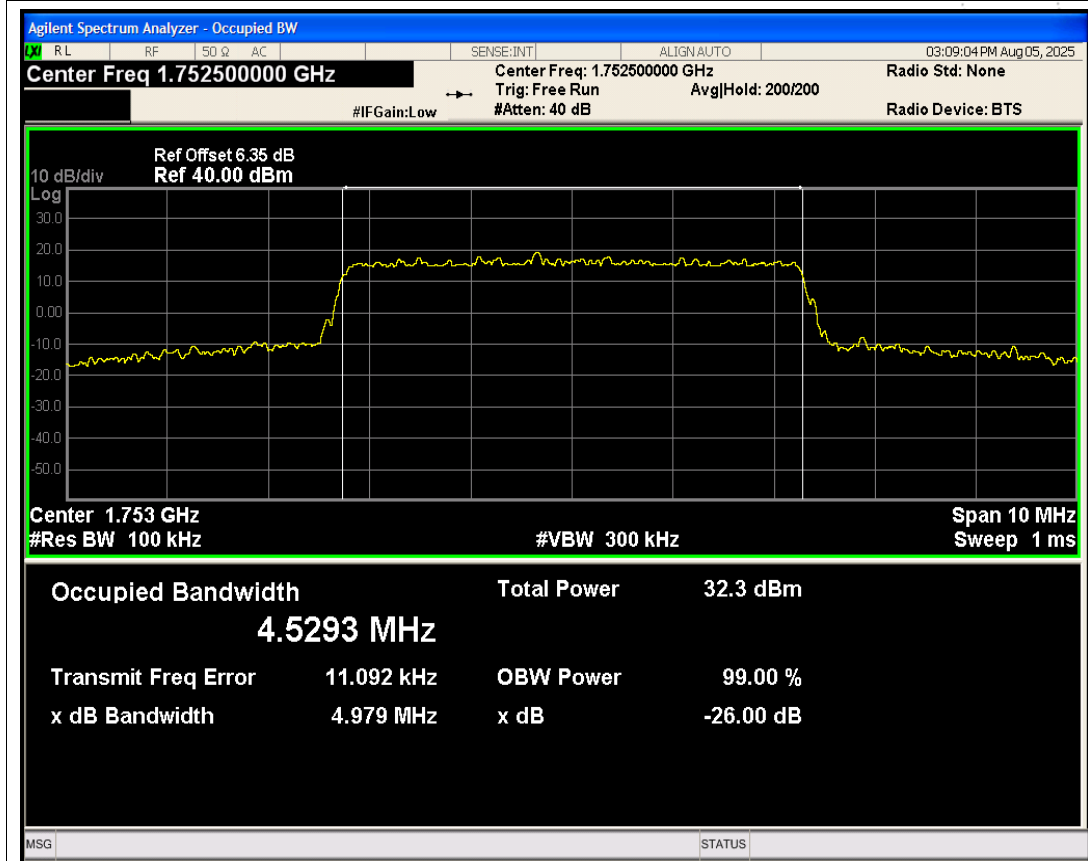
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

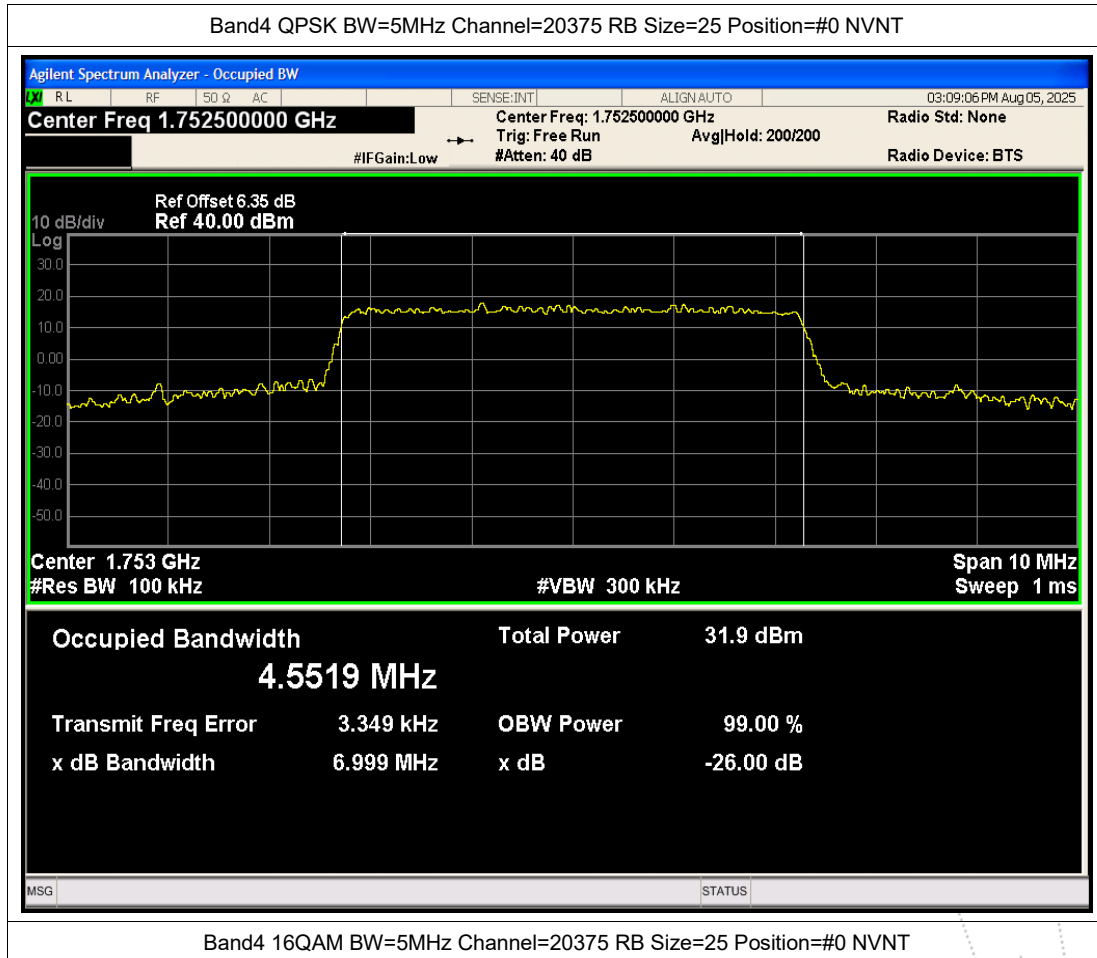


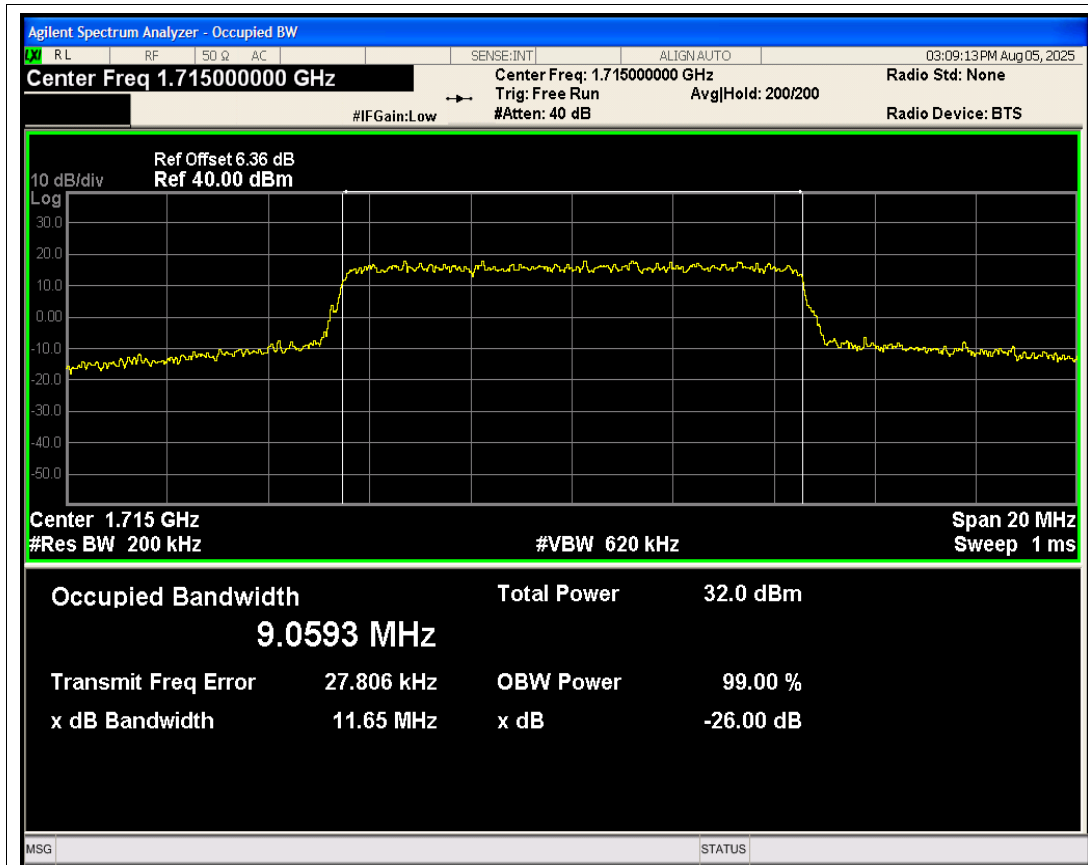
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



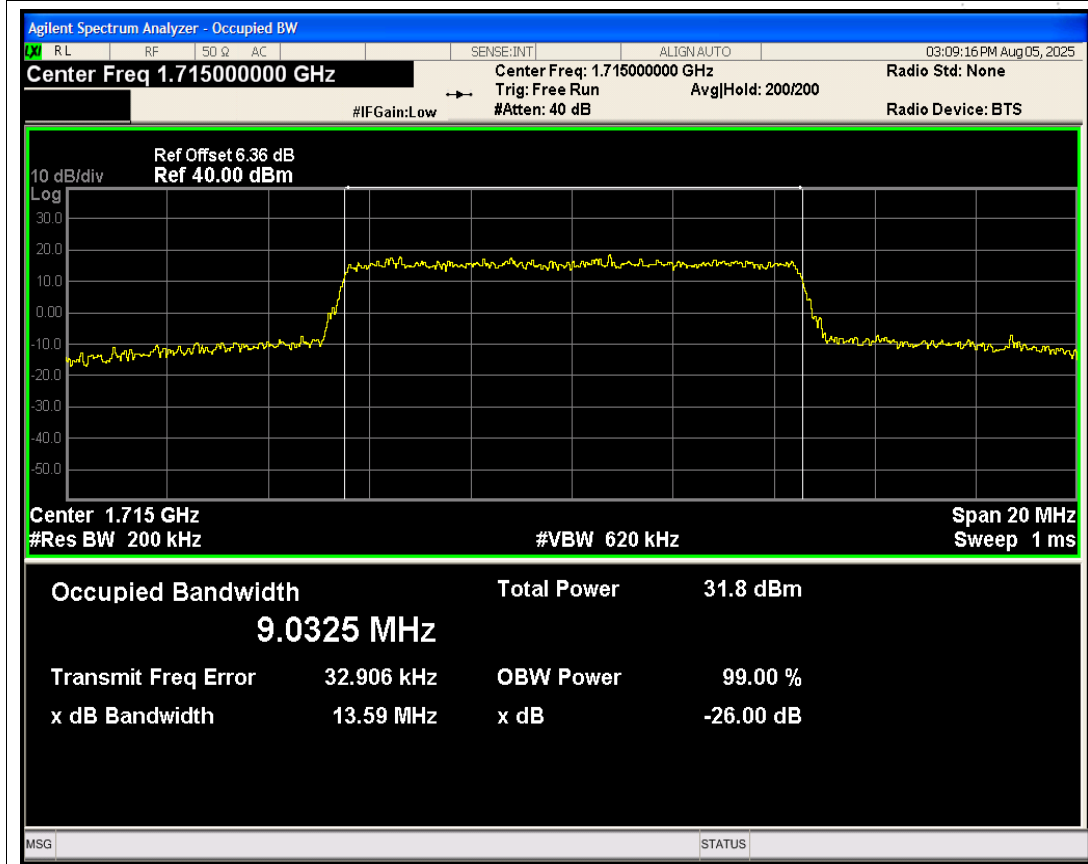
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

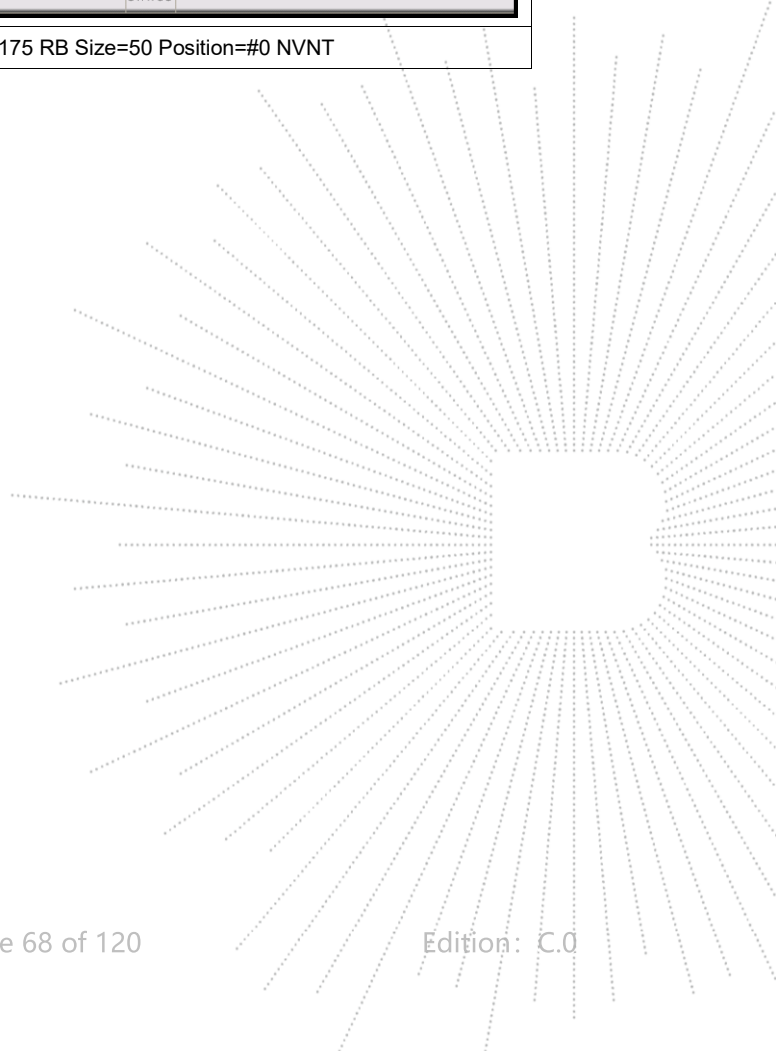
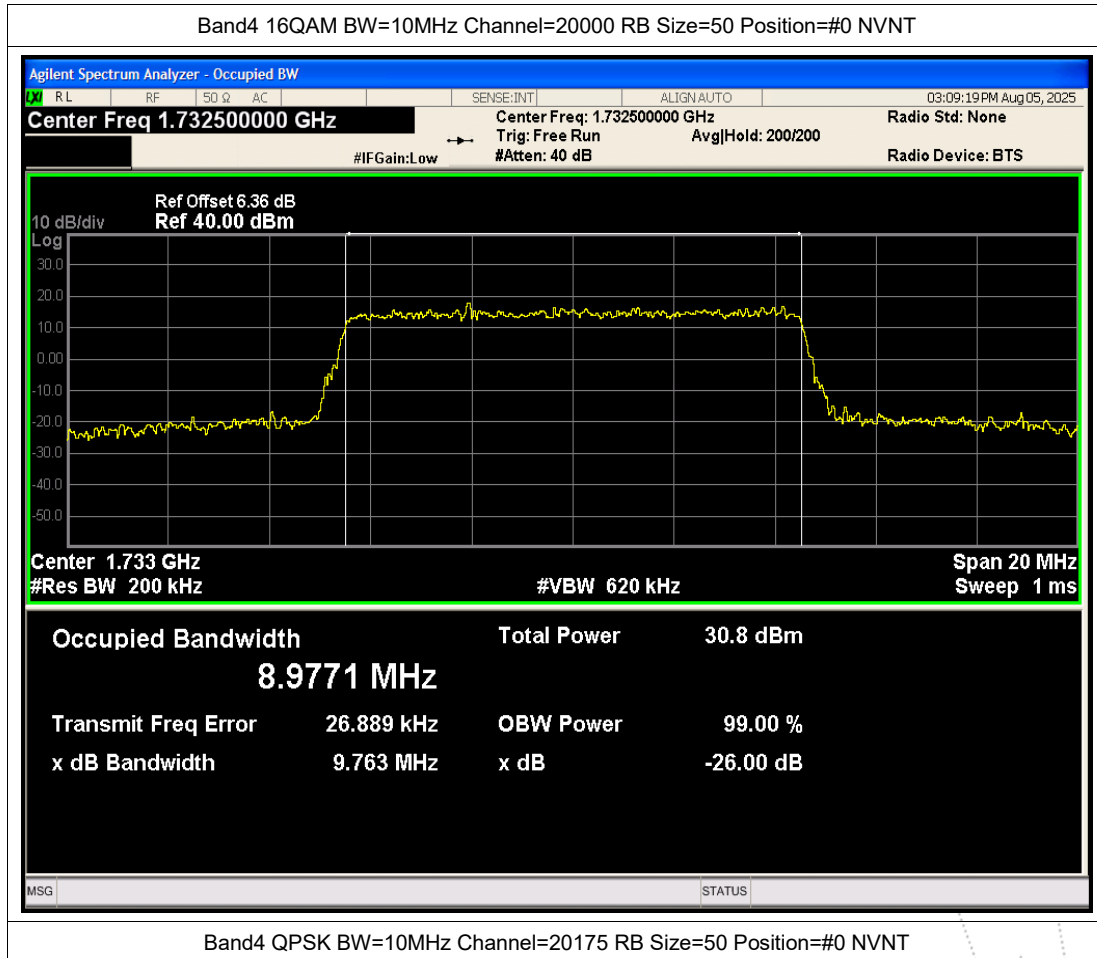


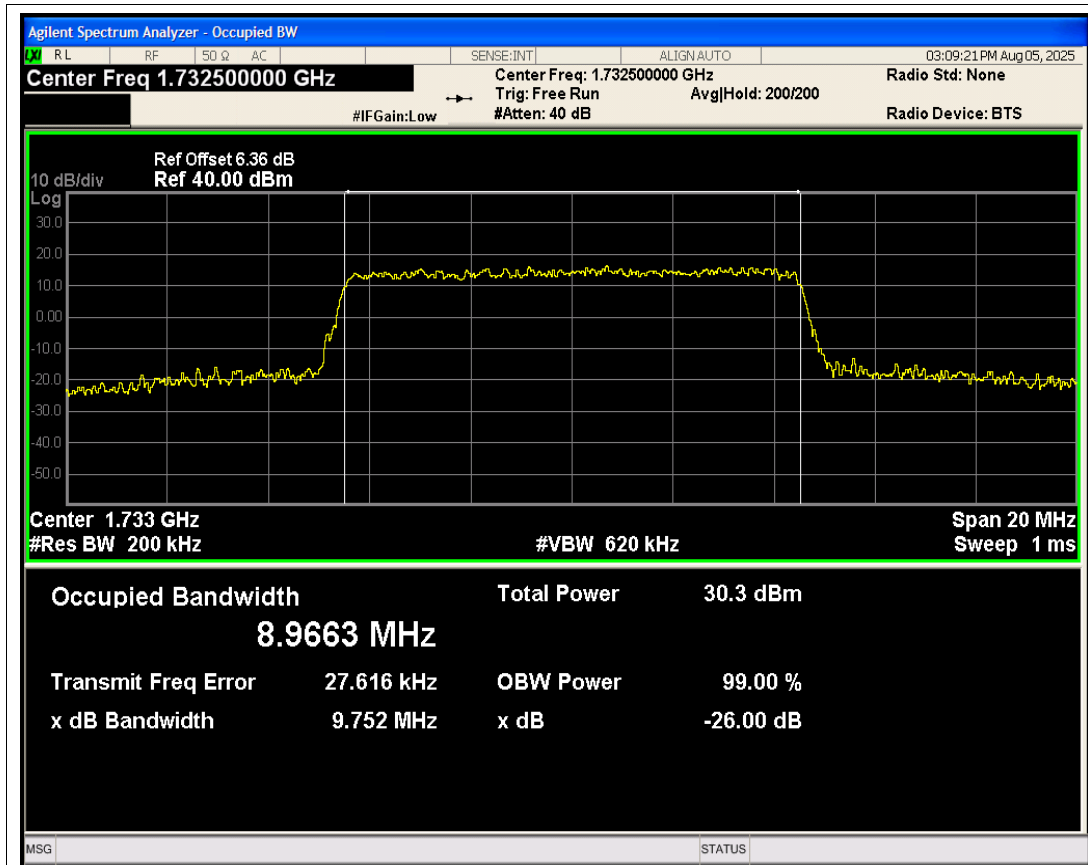




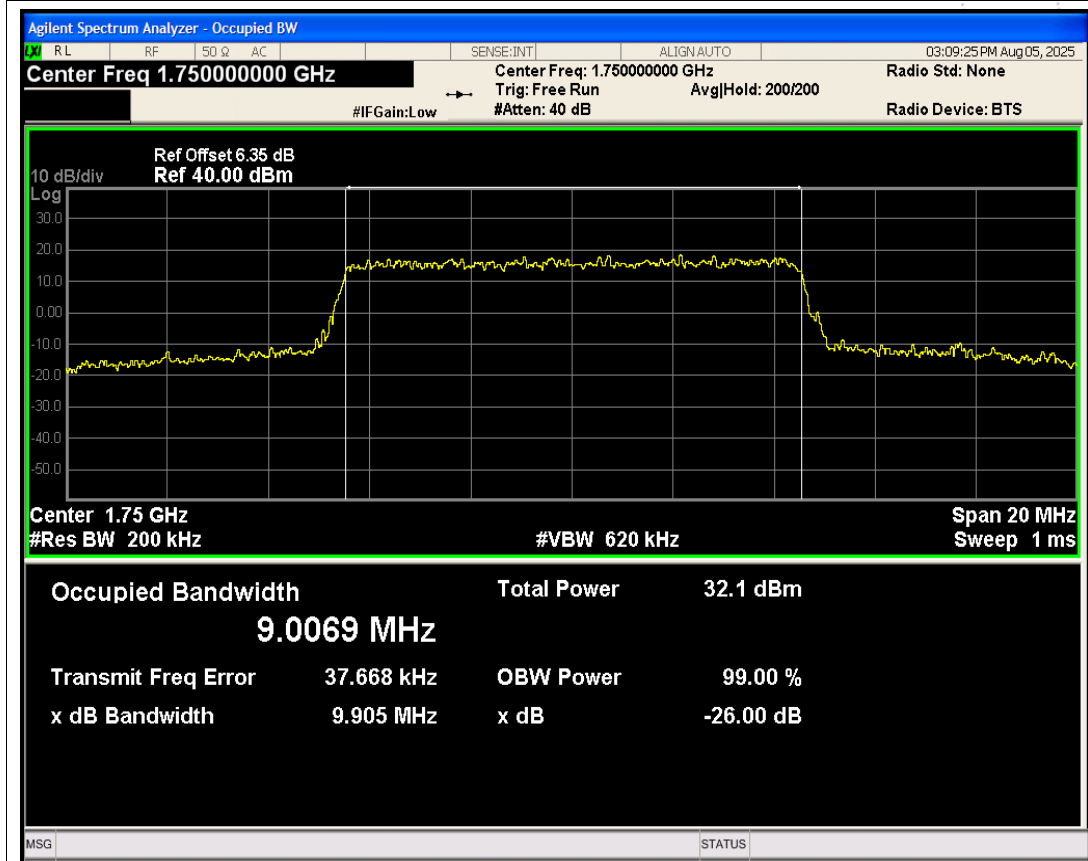
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

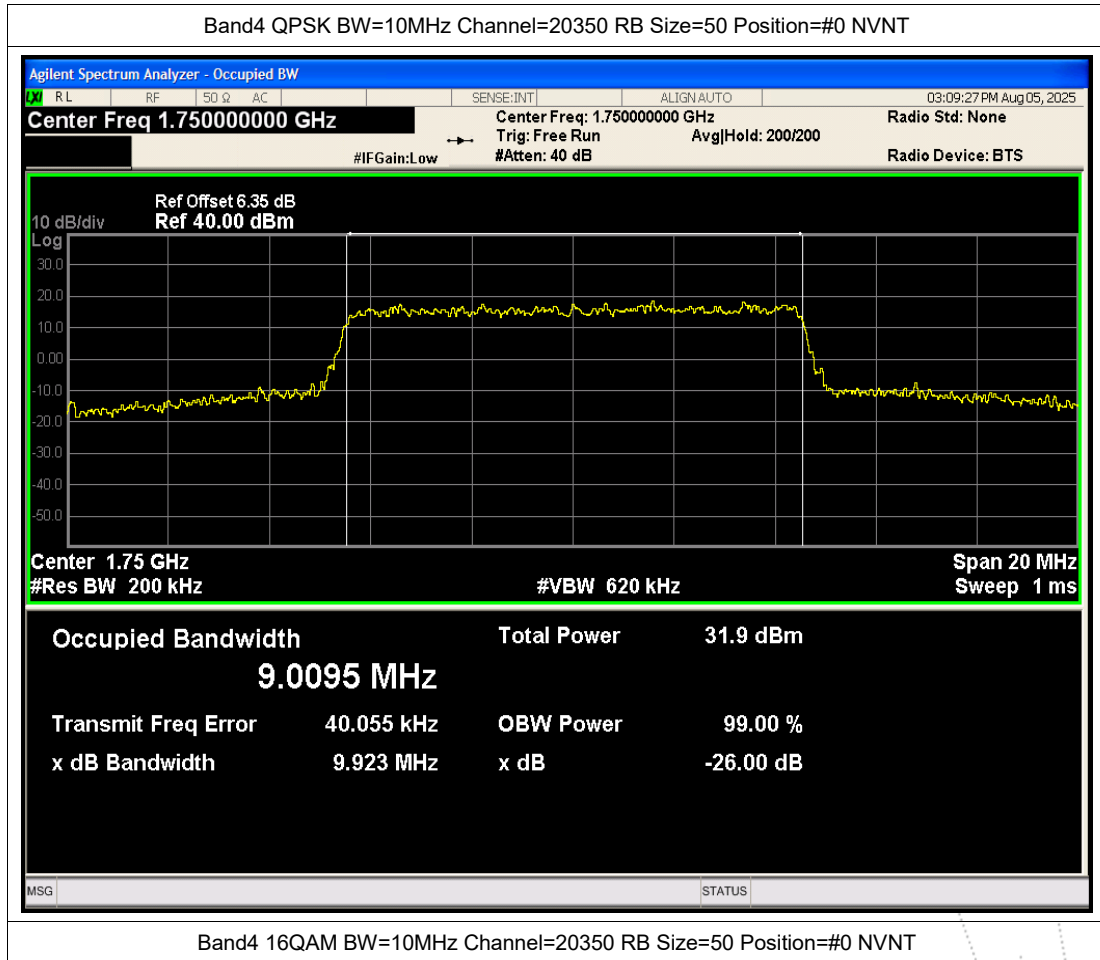


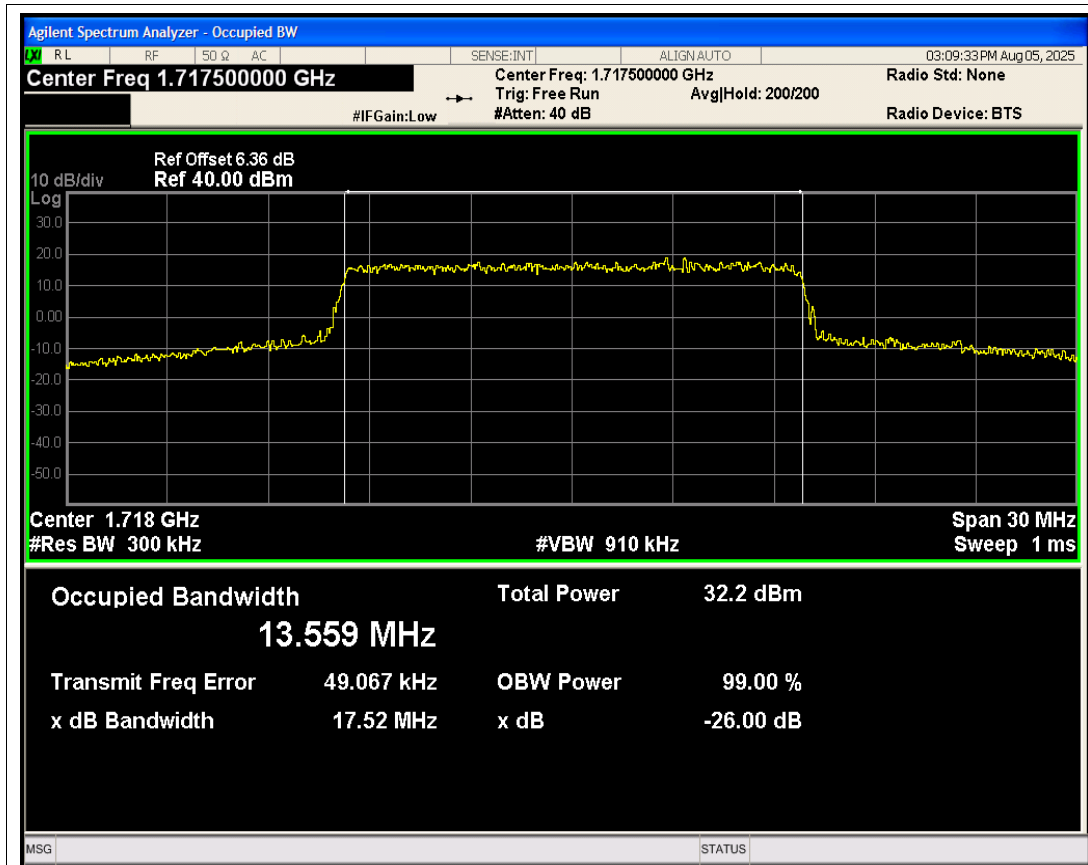




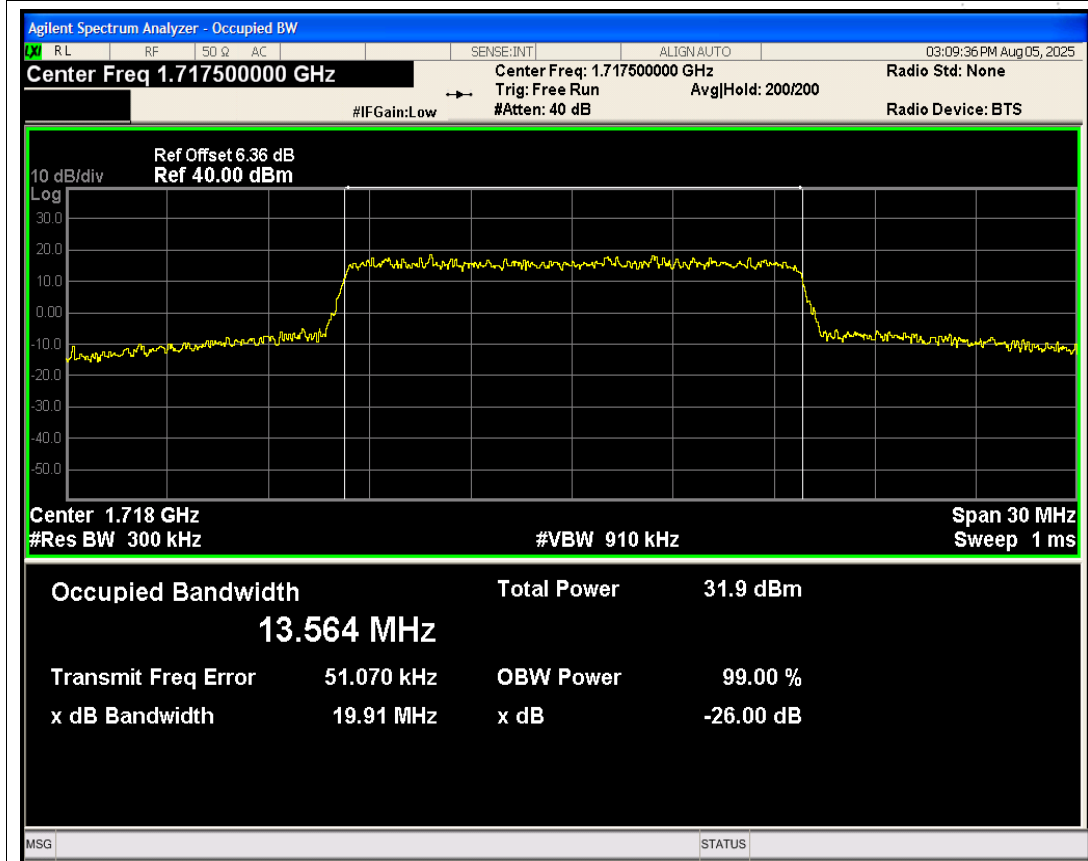
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

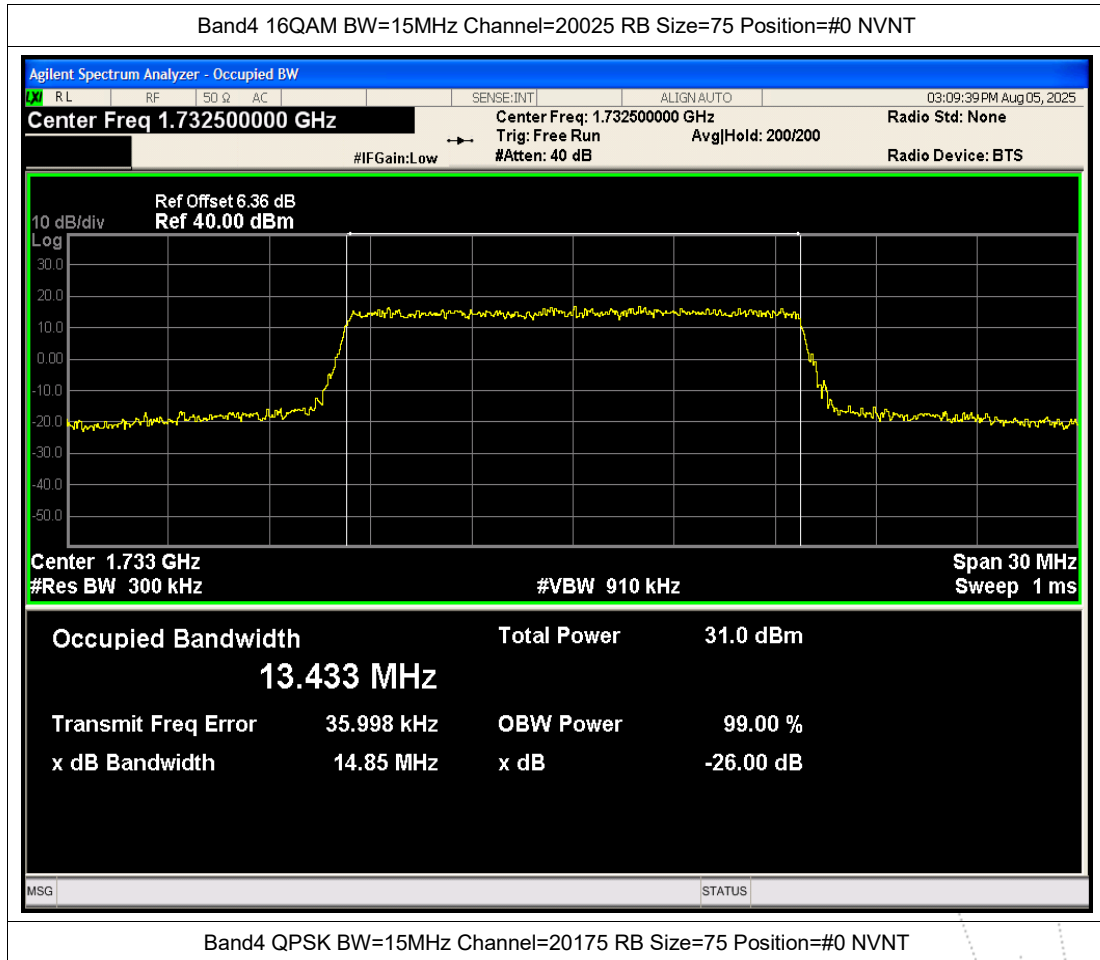


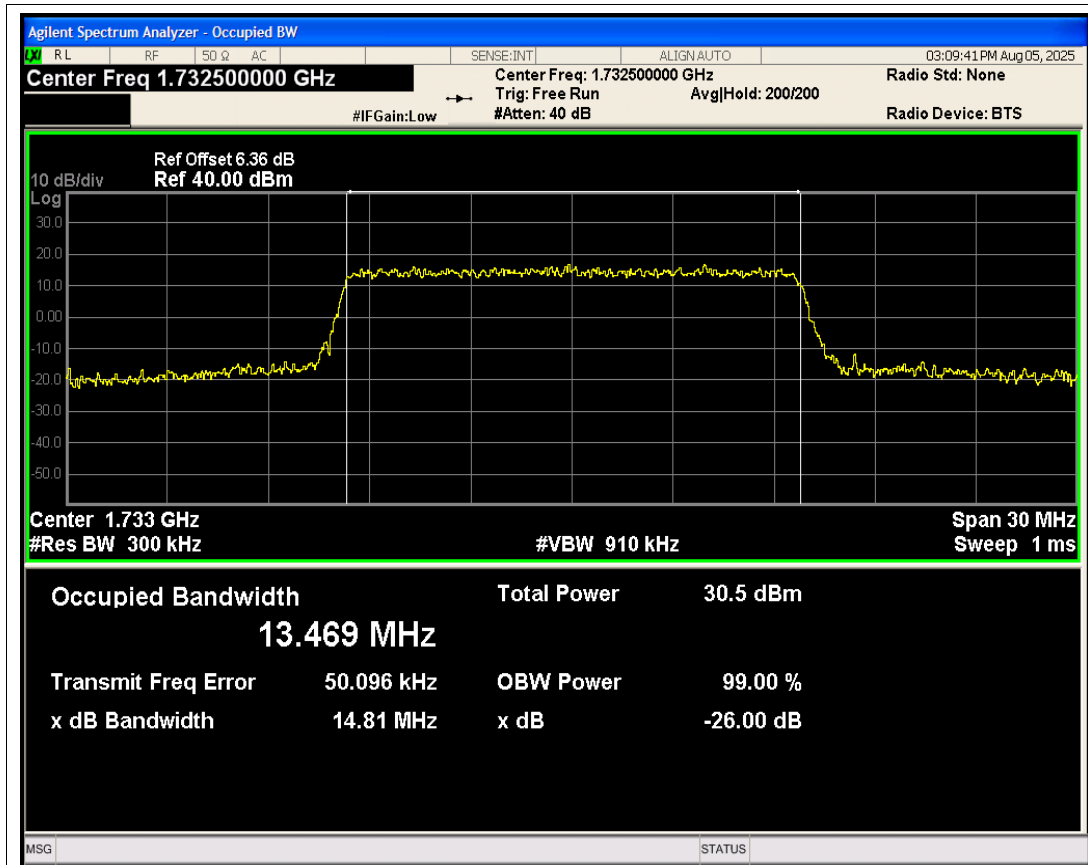




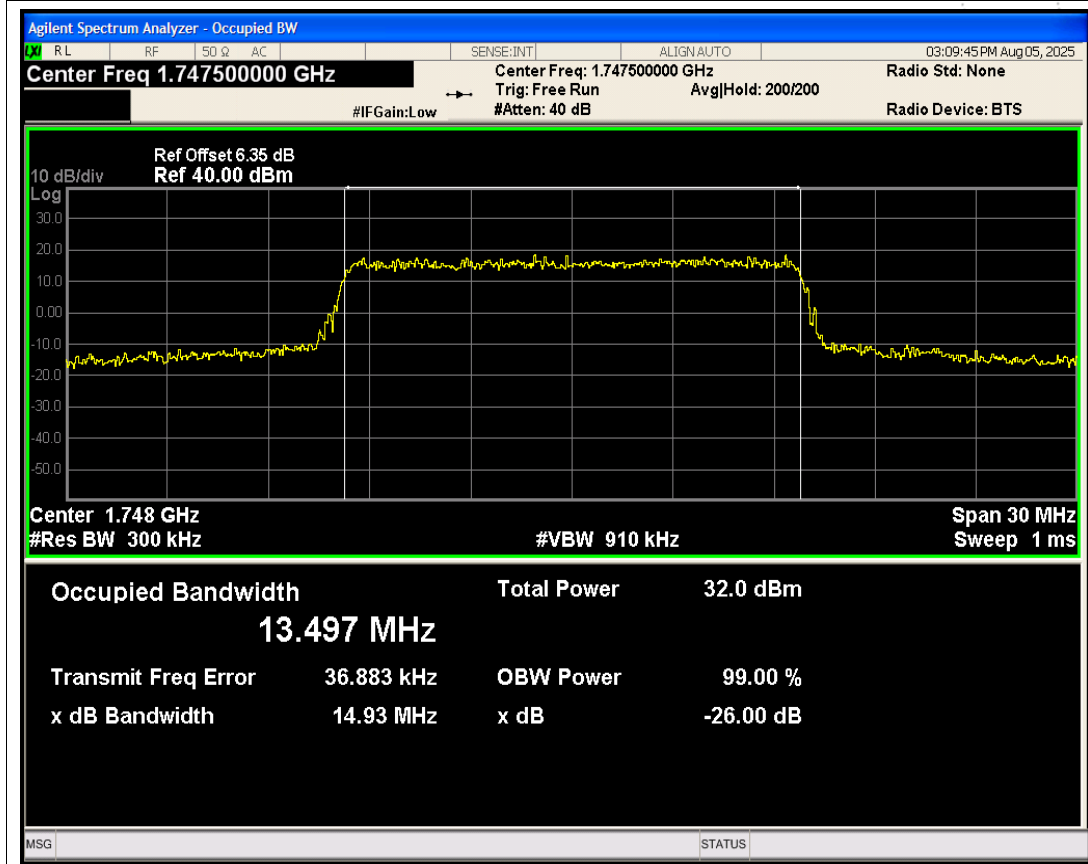
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

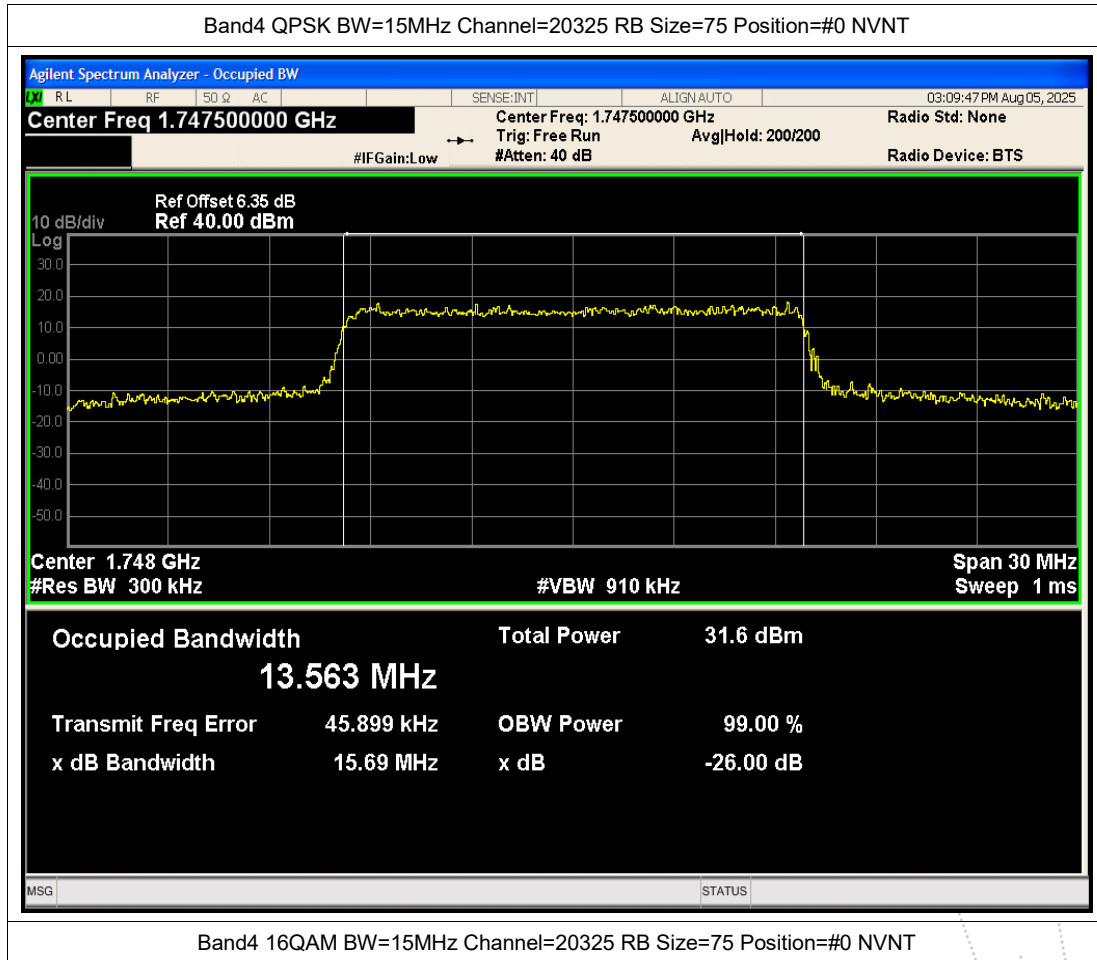


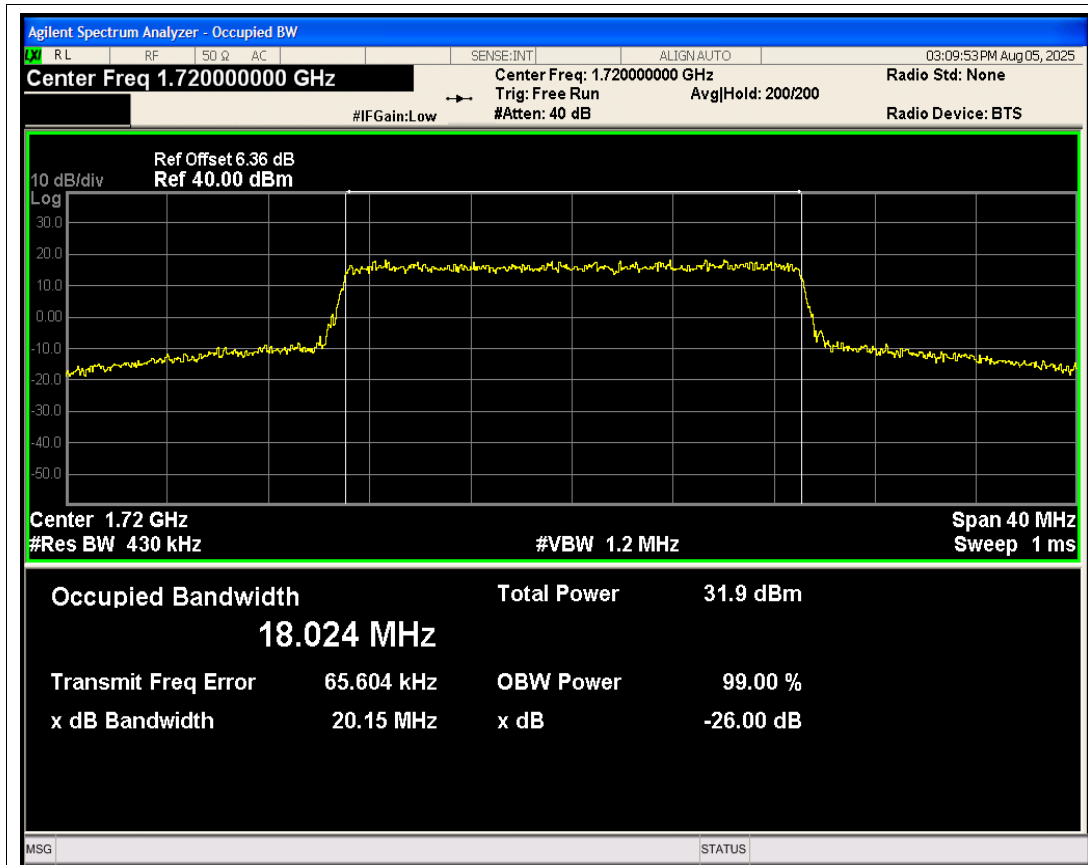




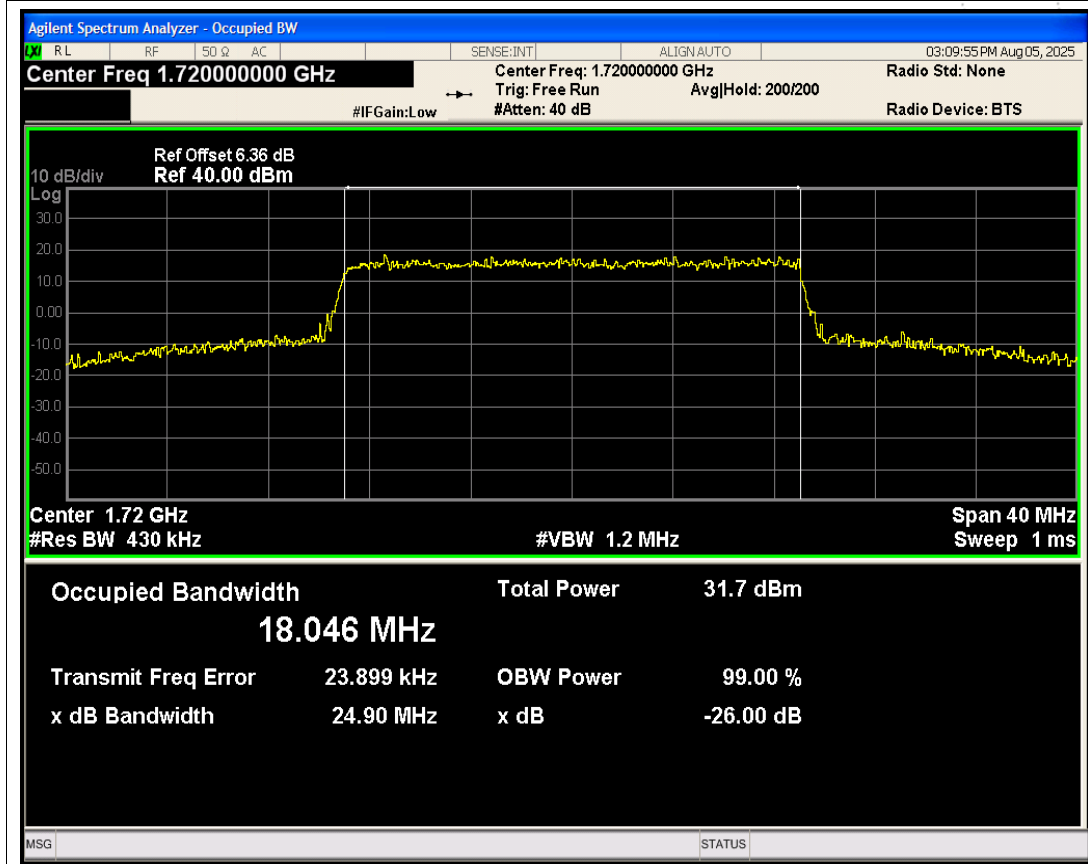
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT

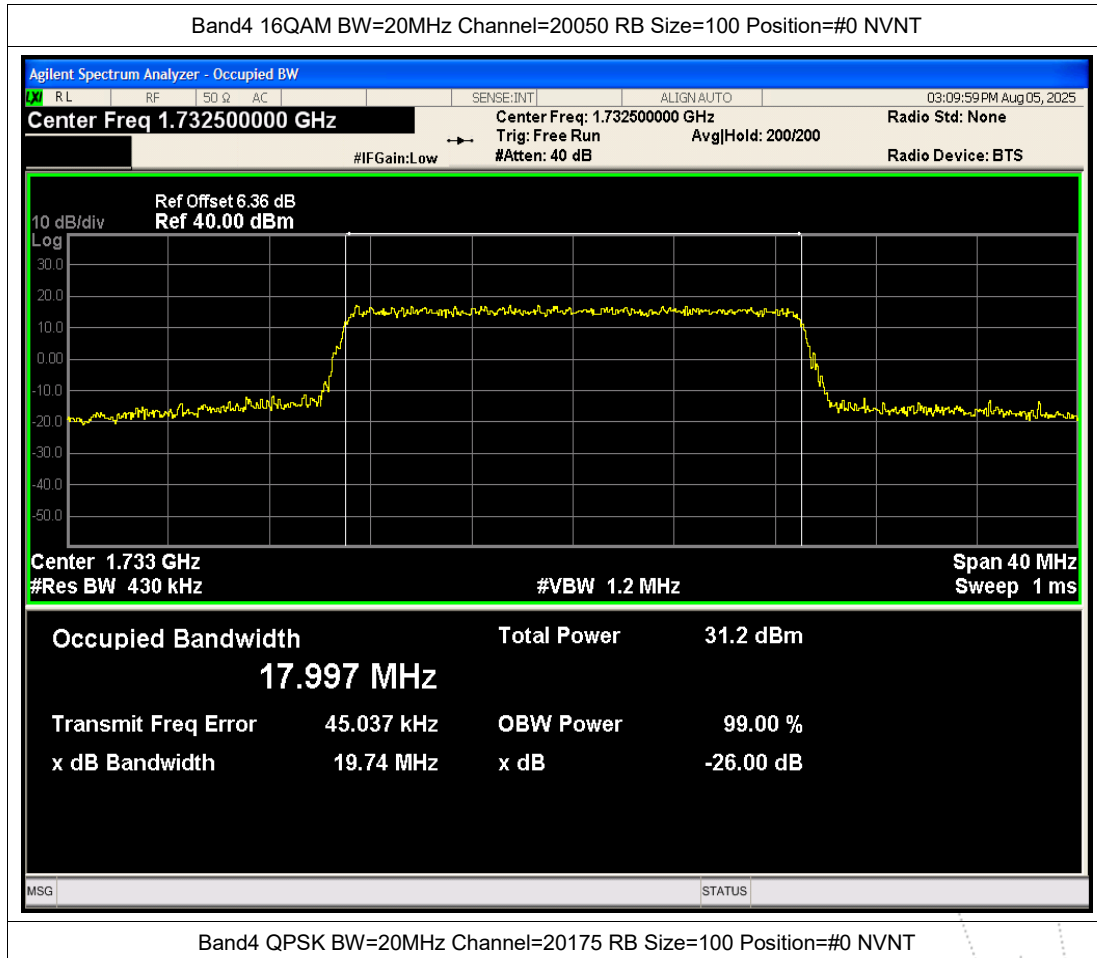


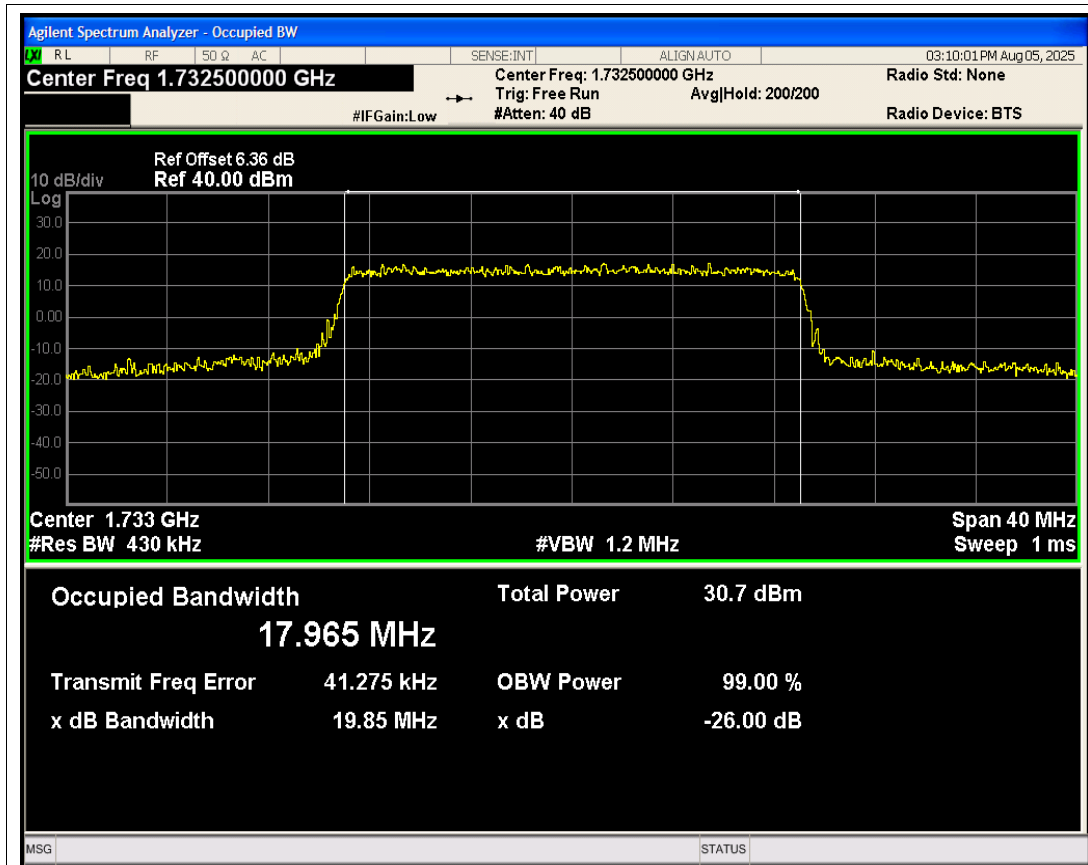




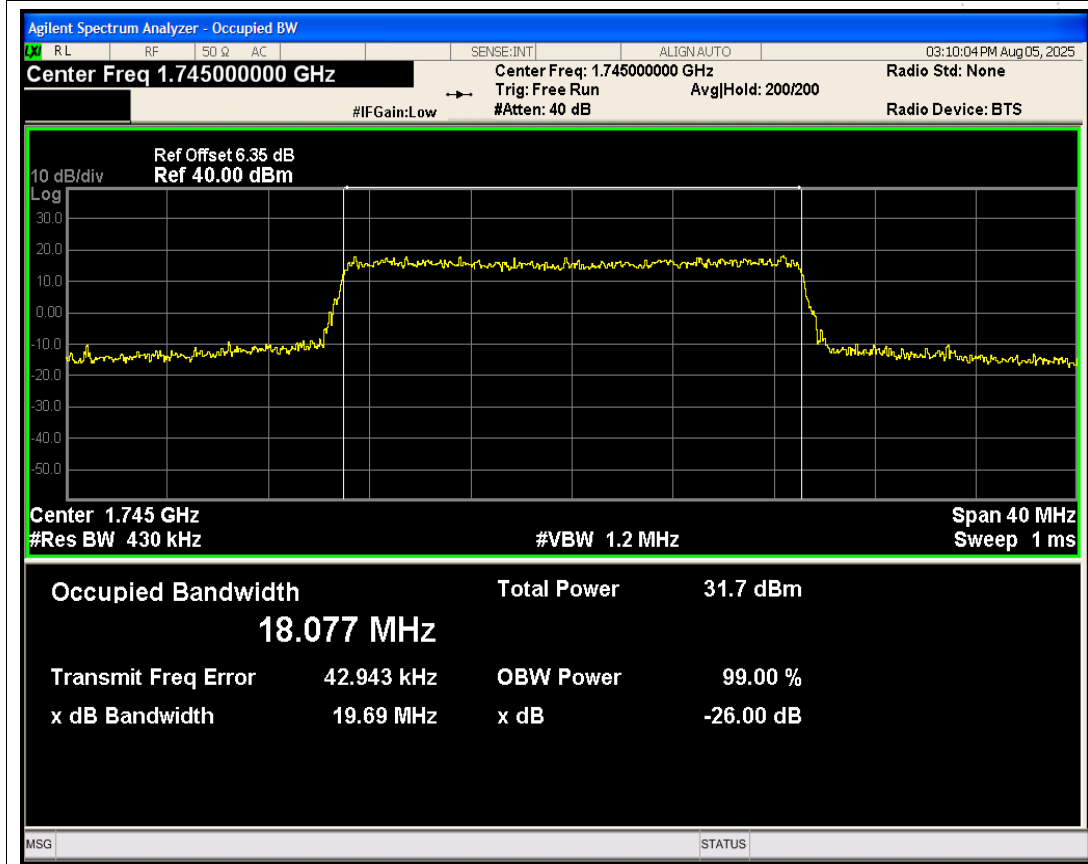
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

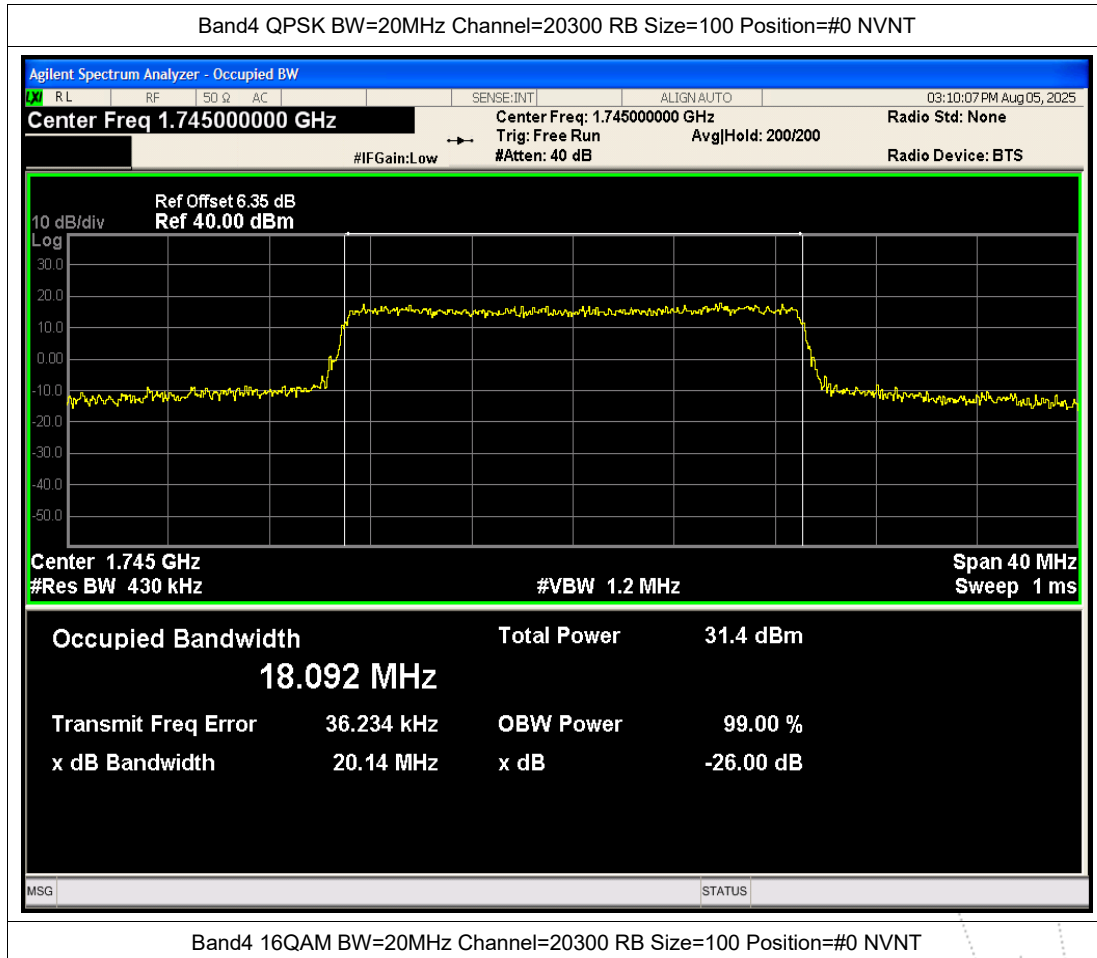






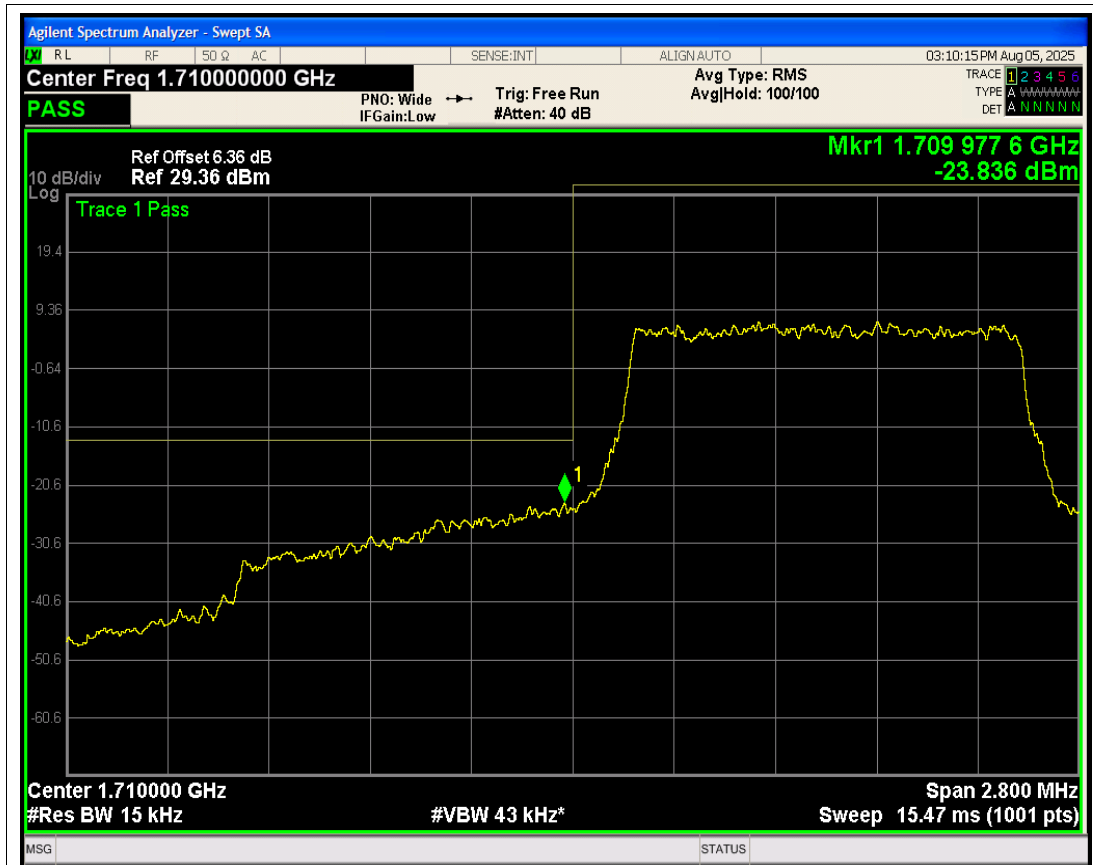
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT





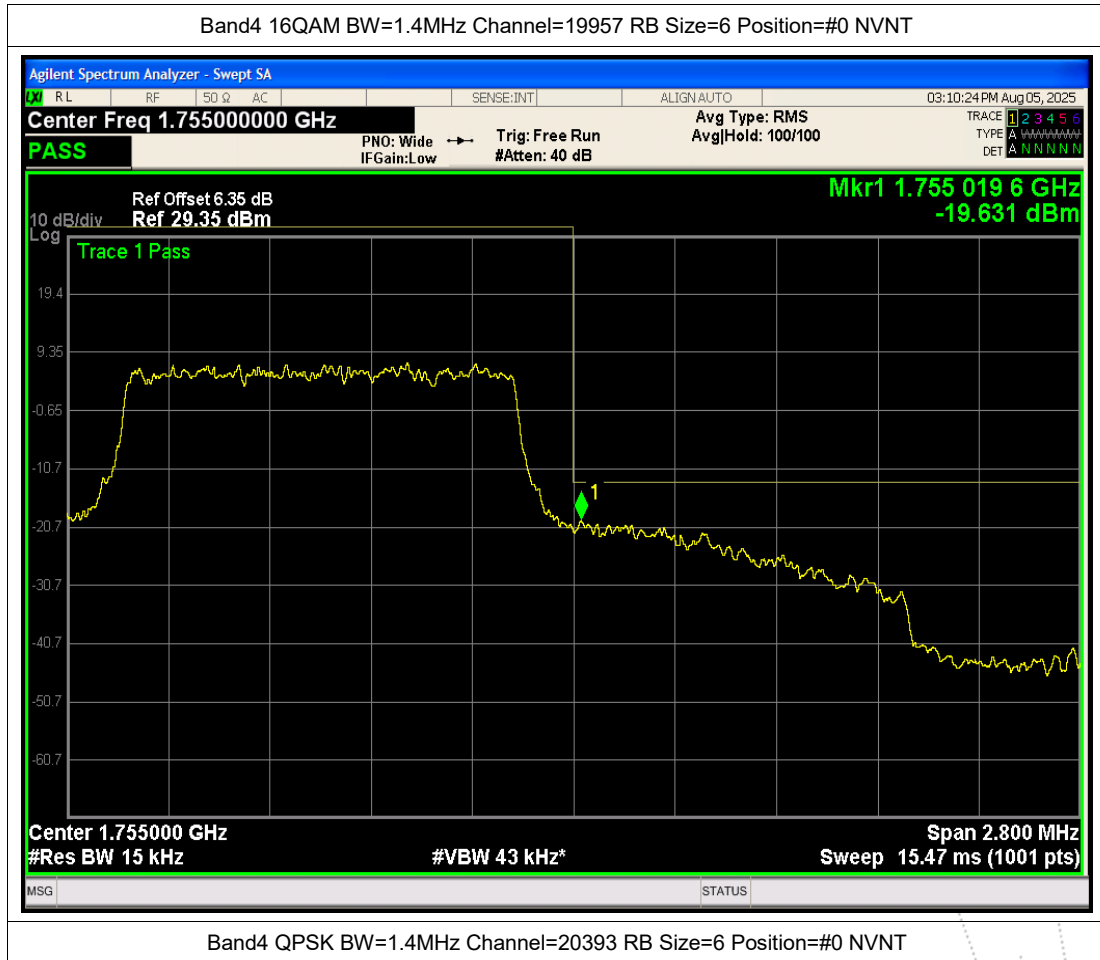
Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	1709.98	-23.83	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	1709.96	-23.20	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	1755.02	-19.63	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	1755.02	-19.35	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	1710.00	-21.91	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	1710.00	-21.61	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	1755.00	-18.78	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	1755.00	-18.38	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	1710.00	-23.91	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	1710.00	-22.90	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	1755.05	-20.26	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	1755.00	-20.89	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	1710.00	-19.76	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	1709.82	-20.01	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	1755.06	-20.98	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	1755.04	-20.83	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	1709.22	-16.73	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	1709.46	-17.68	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	1755.75	-20.74	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	1755.00	-20.68	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	1709.64	-19.59	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	1709.48	-20.38	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	1755.96	-22.85	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	1755.16	-23.31	-13	PASS



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

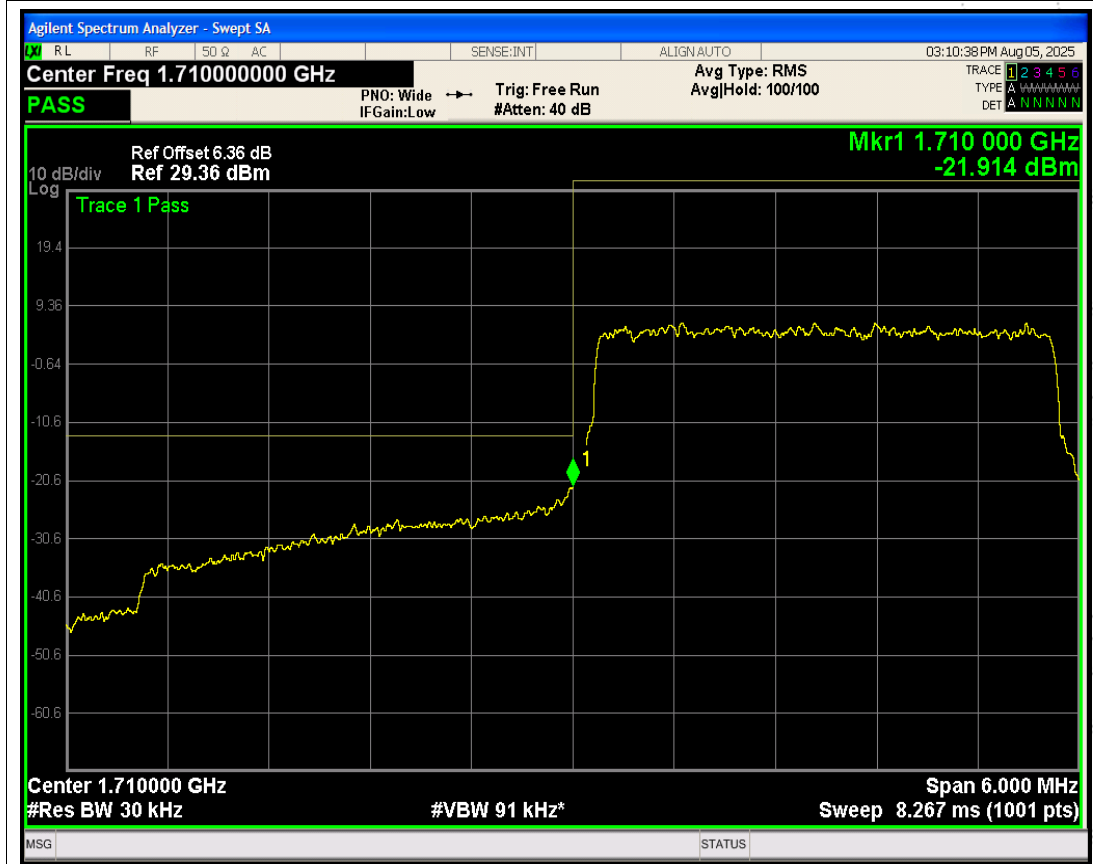


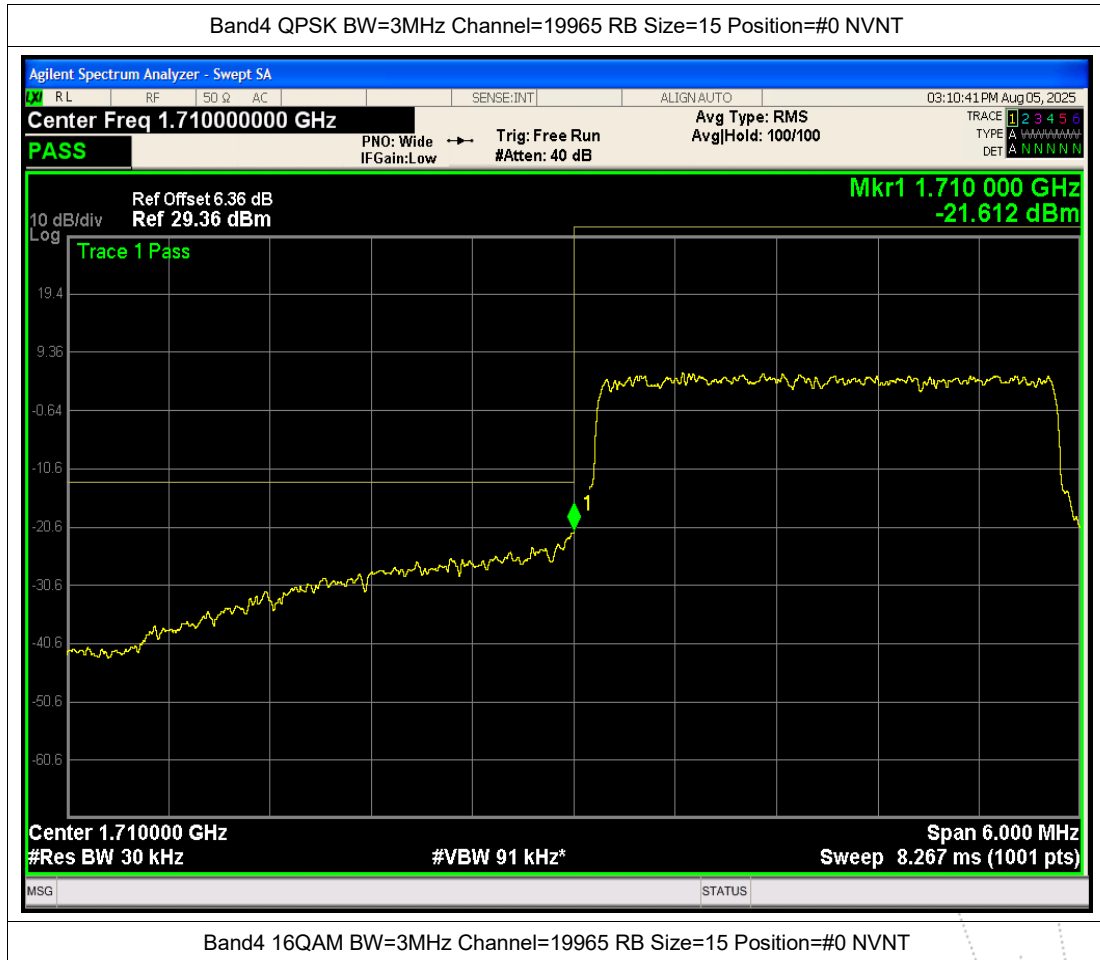


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

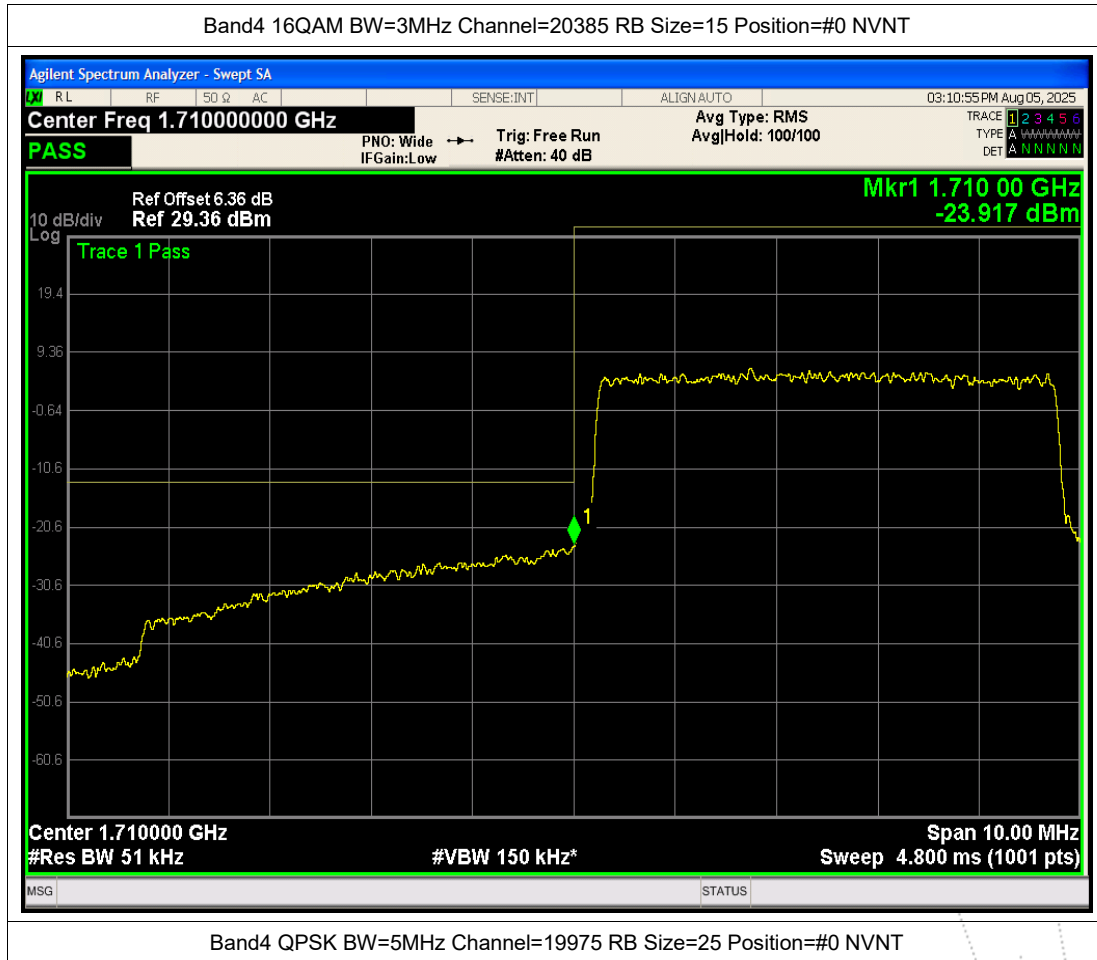


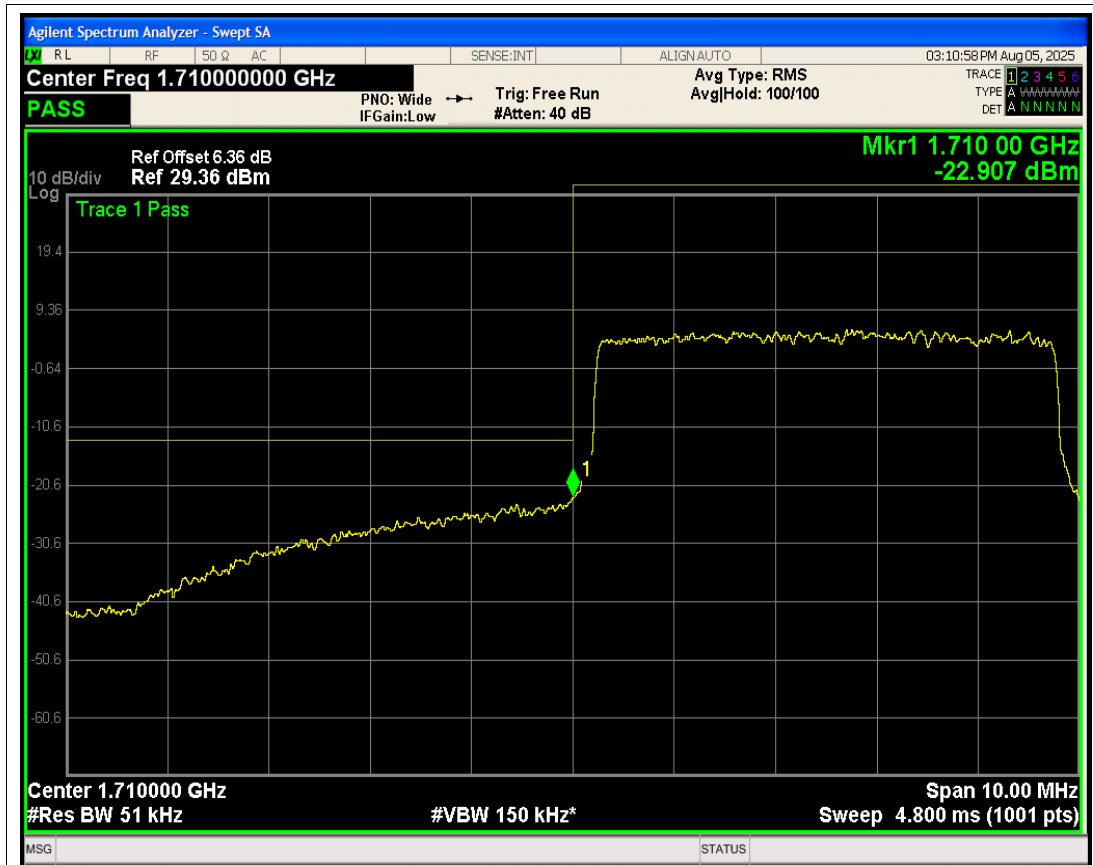




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT

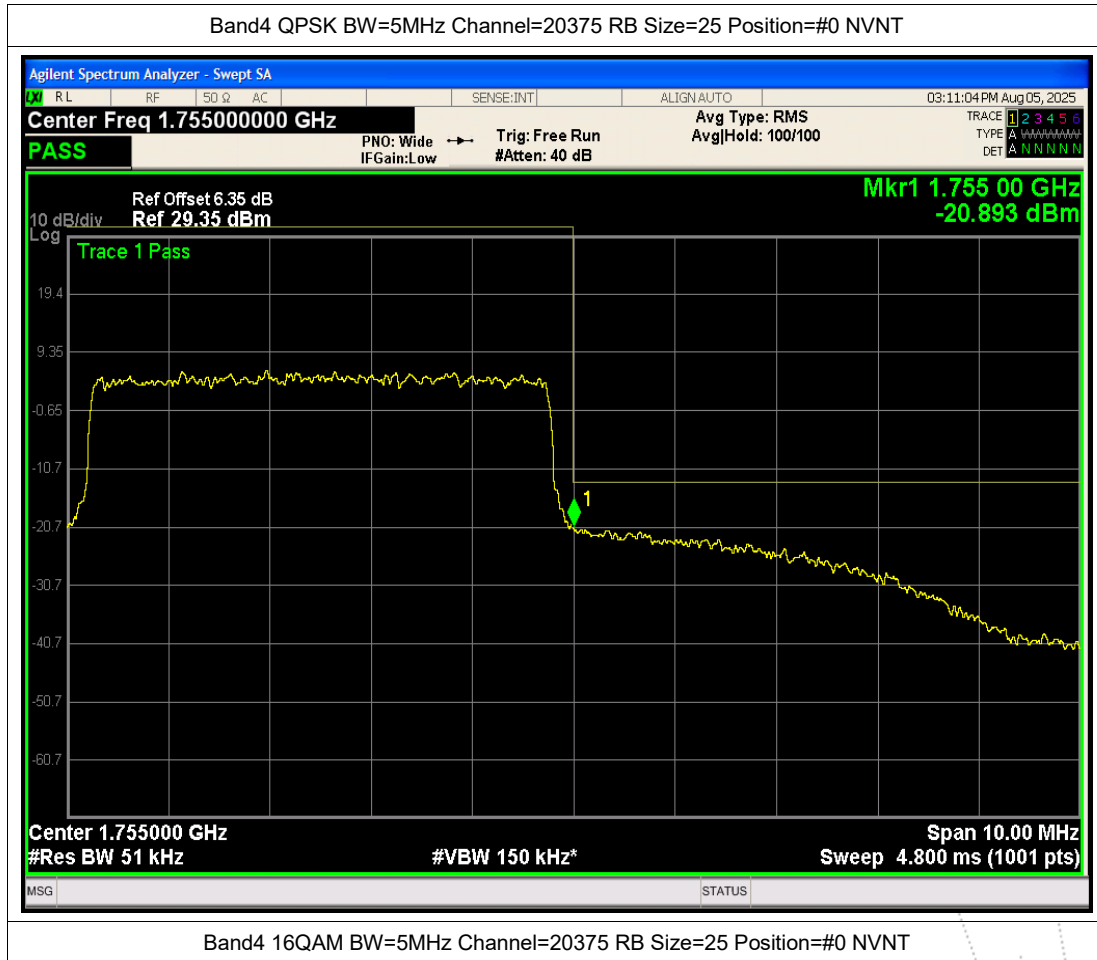


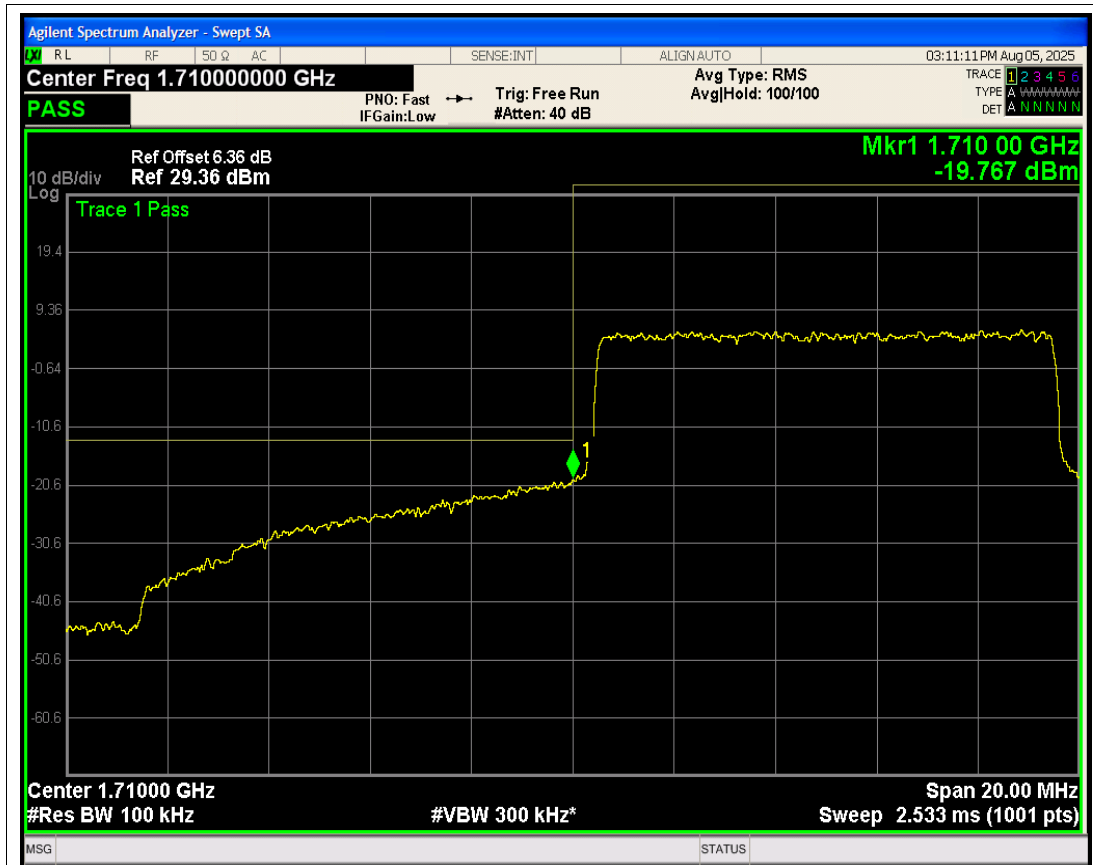




Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

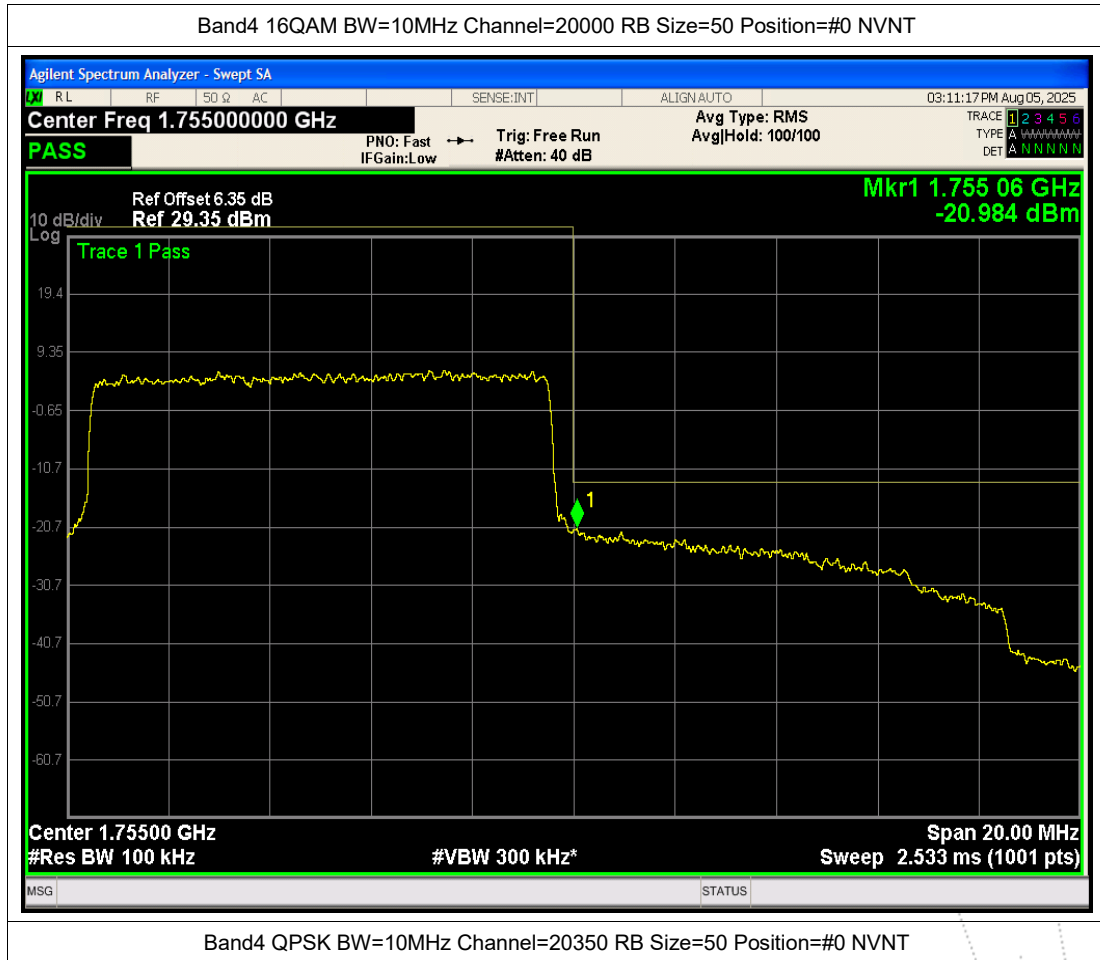






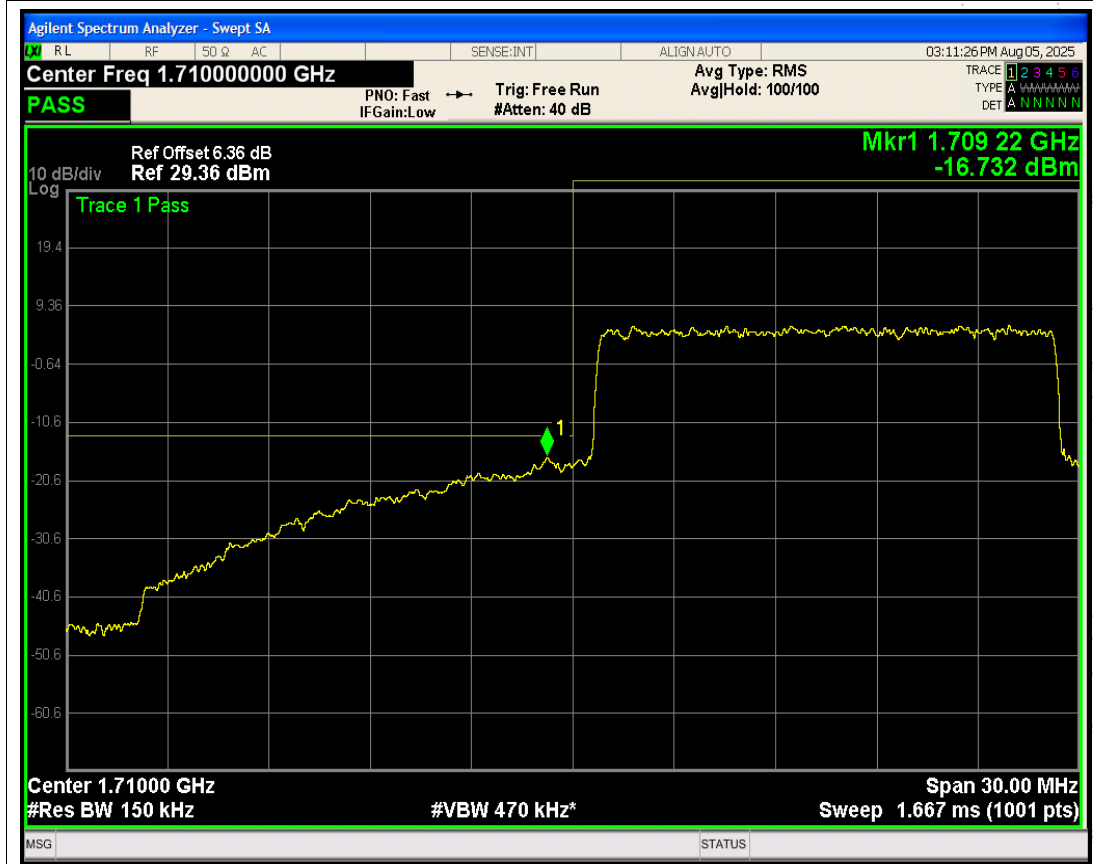
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT

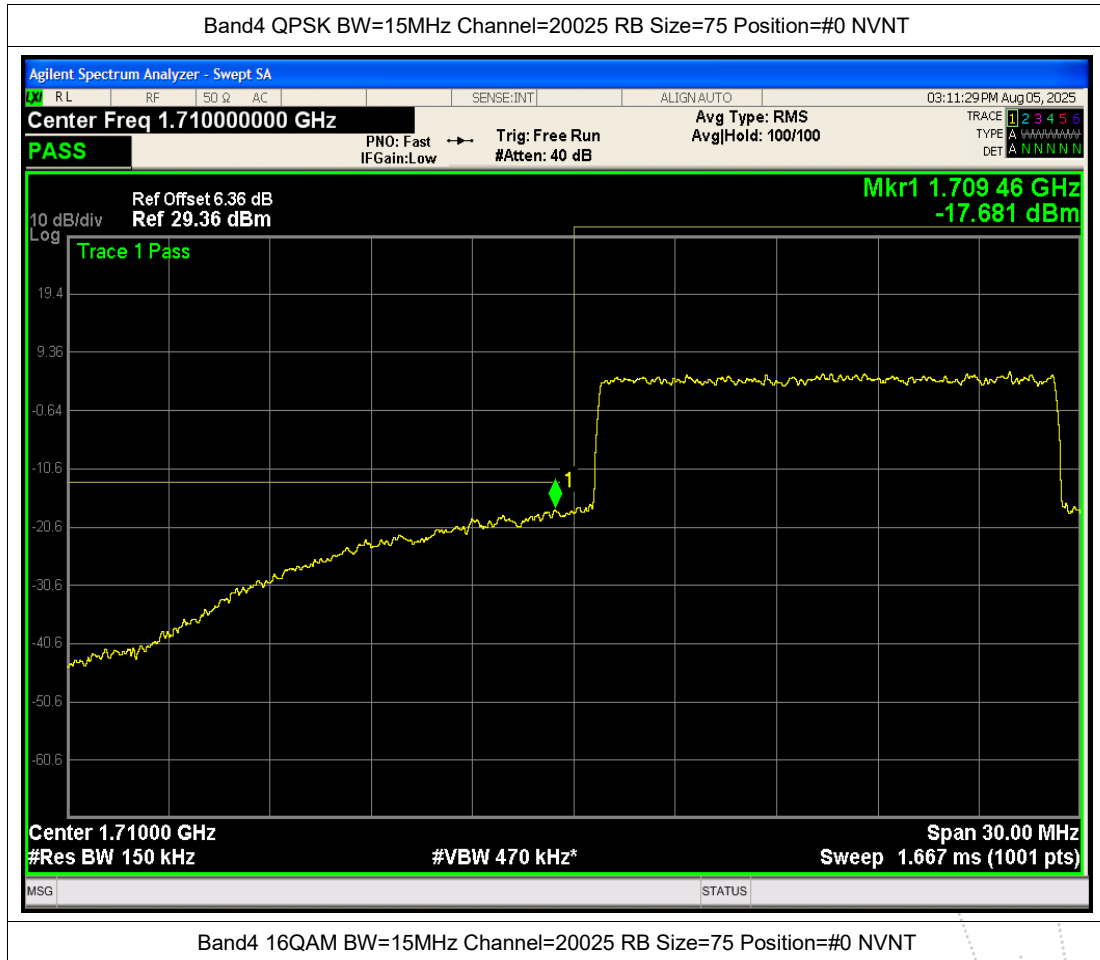


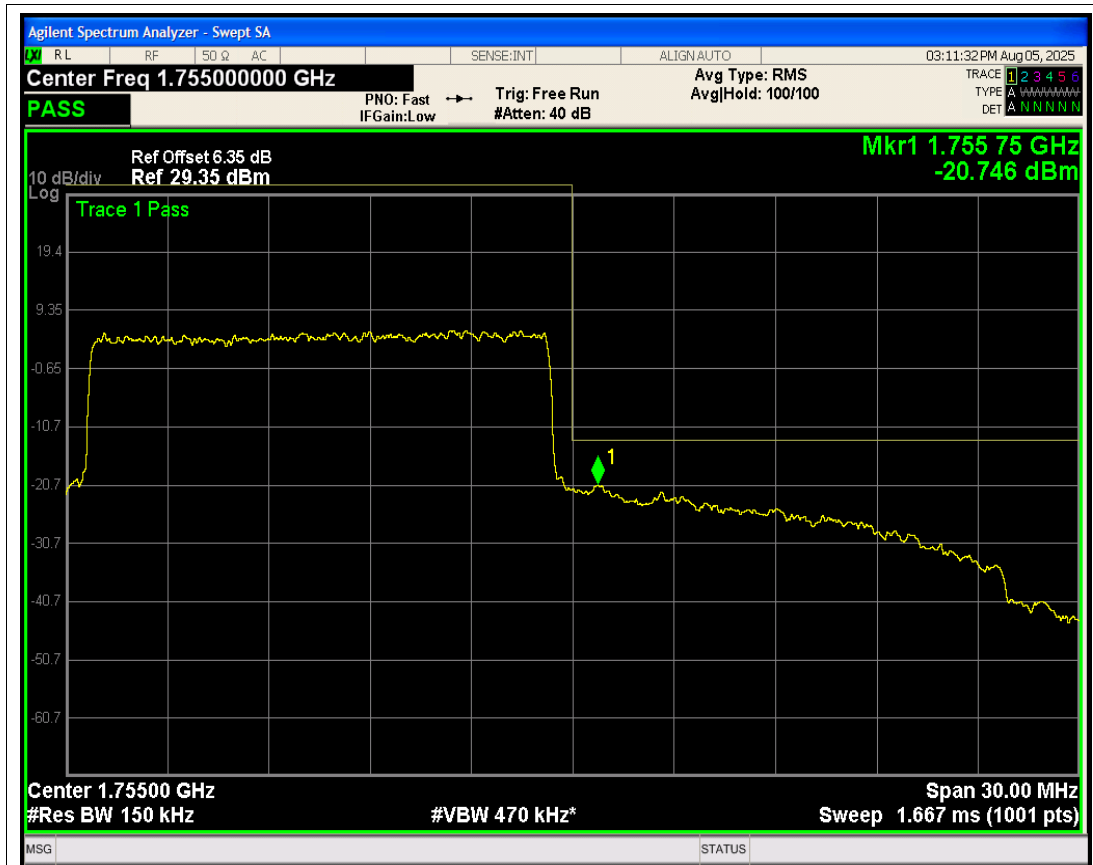




Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT

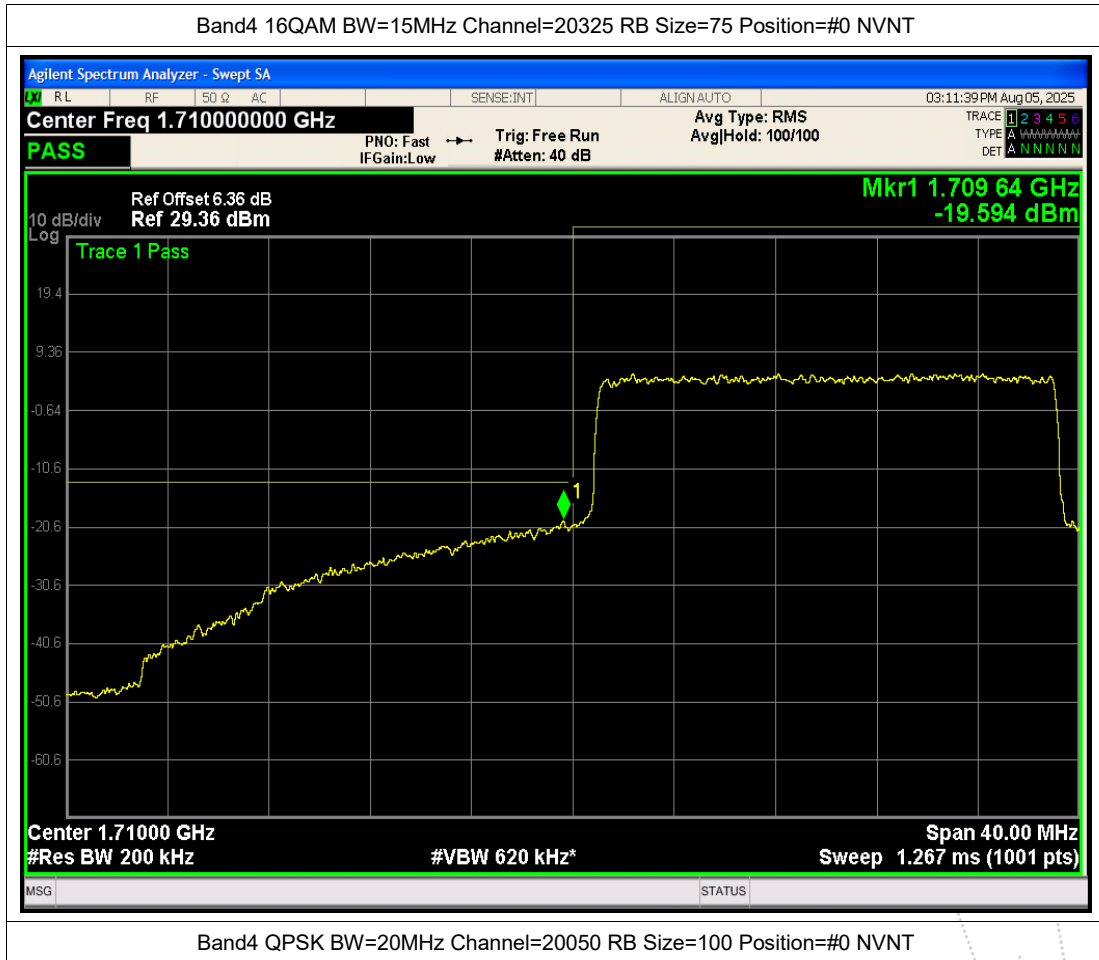


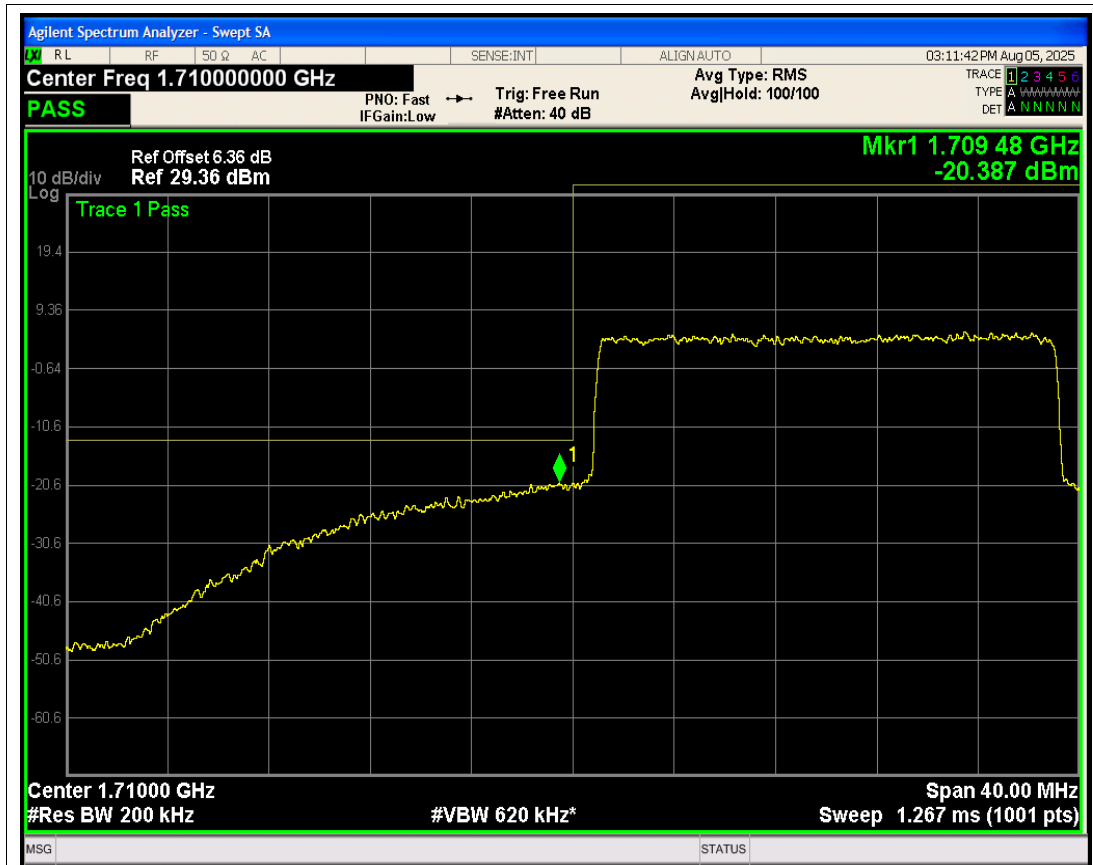




Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

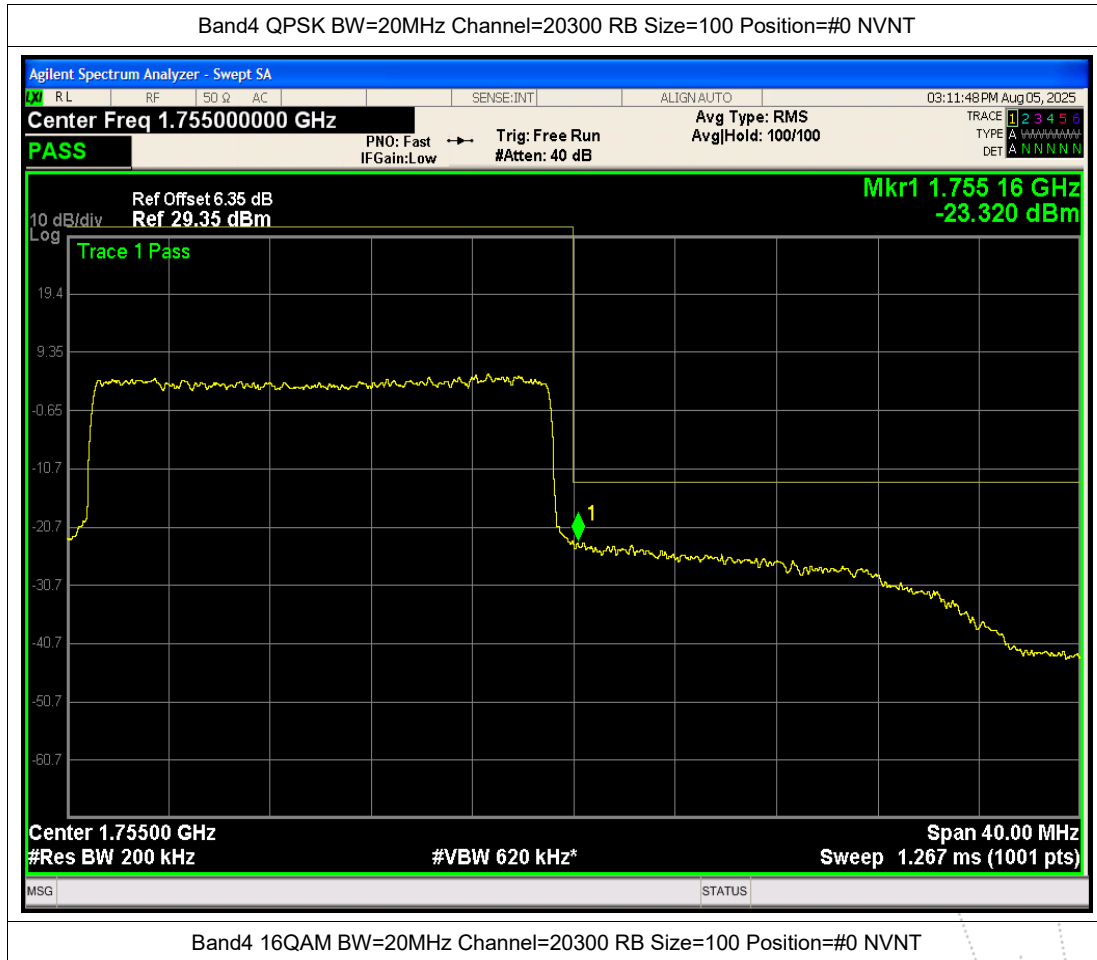






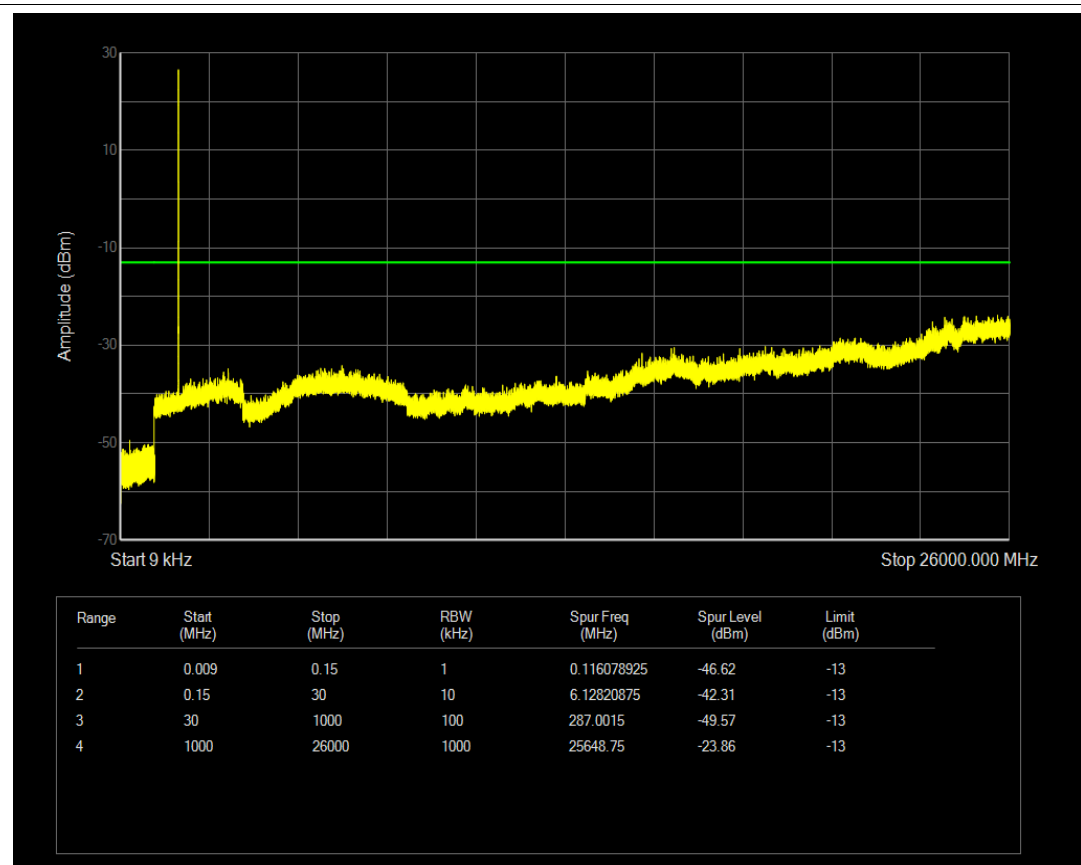
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



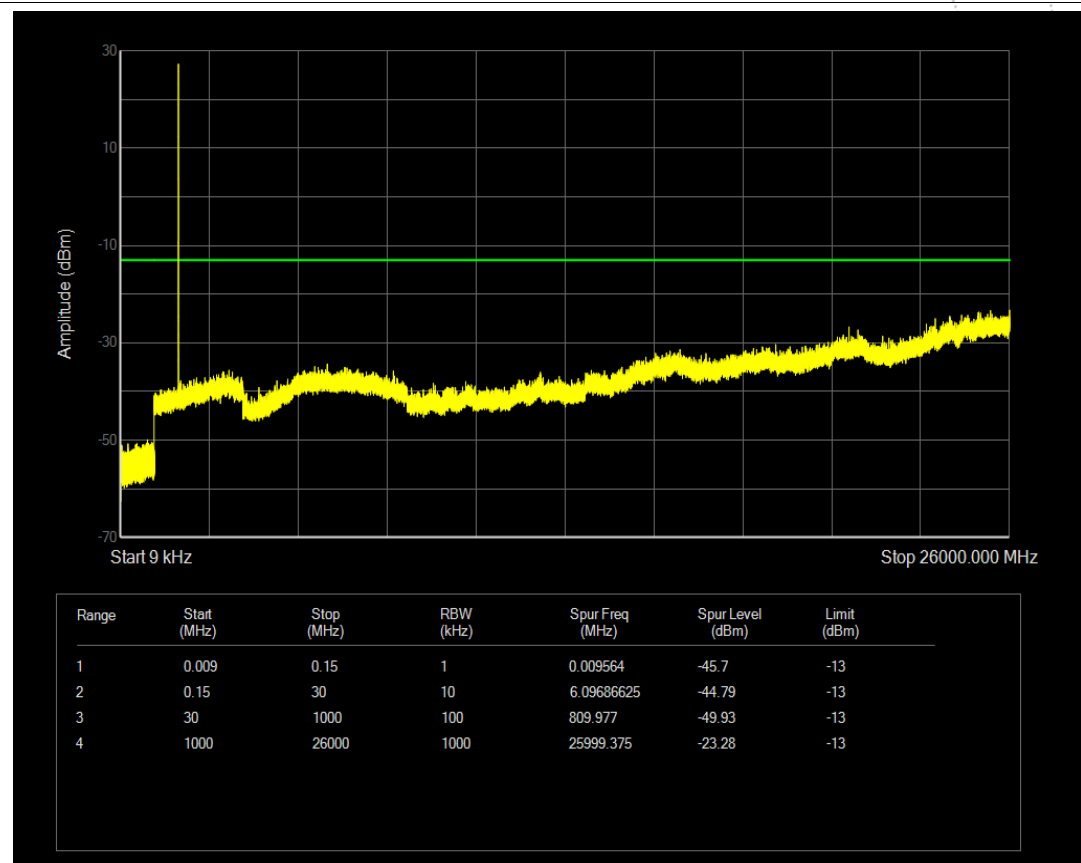


Appendix 6.Out-of-band emissions

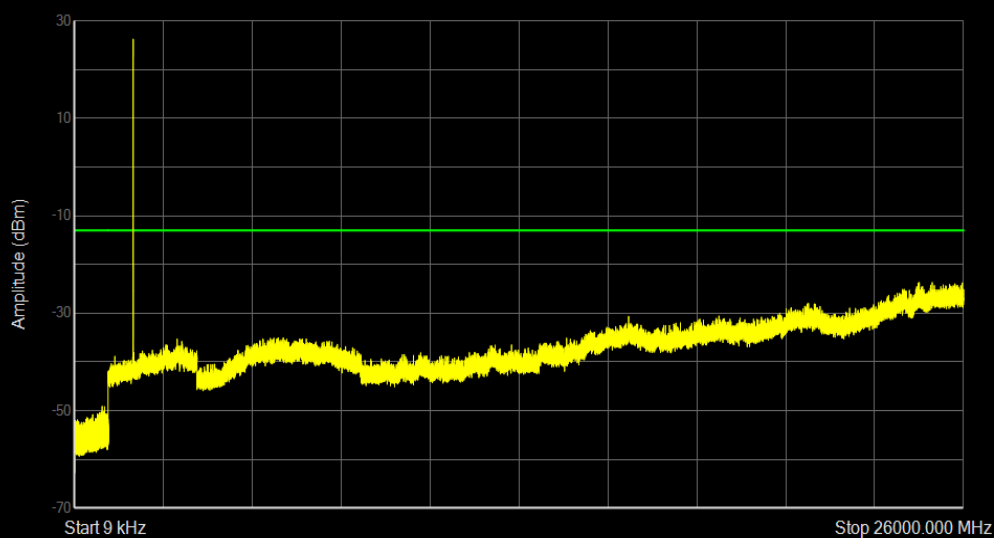
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band4	1.4	19957	6	#0	QPSK	25648.75	-23.86	-13	PASS
NVNT	Band4	1.4	19957	6	#0	16QAM	25999.38	-23.28	-13	PASS
NVNT	Band4	1.4	20175	6	#0	QPSK	25082.50	-23.69	-13	PASS
NVNT	Band4	1.4	20175	6	#0	16QAM	25473.75	-22.62	-13	PASS
NVNT	Band4	1.4	20393	6	#0	QPSK	25810.63	-23.58	-13	PASS
NVNT	Band4	1.4	20393	6	#0	16QAM	25572.50	-22.75	-13	PASS
NVNT	Band4	3	19965	15	#0	QPSK	25985.63	-23.50	-13	PASS
NVNT	Band4	3	19965	15	#0	16QAM	25861.25	-23.06	-13	PASS
NVNT	Band4	3	20175	15	#0	QPSK	25613.75	-23.80	-13	PASS
NVNT	Band4	3	20175	15	#0	16QAM	25763.13	-23.32	-13	PASS
NVNT	Band4	3	20385	15	#0	QPSK	25970.00	-23.32	-13	PASS
NVNT	Band4	3	20385	15	#0	16QAM	25419.38	-23.06	-13	PASS
NVNT	Band4	5	19975	25	#0	QPSK	25811.25	-23.22	-13	PASS
NVNT	Band4	5	19975	25	#0	16QAM	25095.63	-23.03	-13	PASS
NVNT	Band4	5	20175	25	#0	QPSK	25412.50	-22.90	-13	PASS
NVNT	Band4	5	20175	25	#0	16QAM	25125.63	-23.23	-13	PASS
NVNT	Band4	5	20375	25	#0	QPSK	25755.00	-22.77	-13	PASS
NVNT	Band4	5	20375	25	#0	16QAM	25922.50	-23.34	-13	PASS
NVNT	Band4	10	20000	50	#0	QPSK	25830.00	-22.55	-13	PASS
NVNT	Band4	10	20000	50	#0	16QAM	25806.25	-23.53	-13	PASS
NVNT	Band4	10	20175	50	#0	QPSK	25816.25	-22.80	-13	PASS
NVNT	Band4	10	20175	50	#0	16QAM	25506.25	-22.33	-13	PASS
NVNT	Band4	10	20350	50	#0	QPSK	25000.63	-23.59	-13	PASS
NVNT	Band4	10	20350	50	#0	16QAM	25090.00	-22.88	-13	PASS
NVNT	Band4	15	20025	75	#0	QPSK	24704.38	-23.73	-13	PASS
NVNT	Band4	15	20025	75	#0	16QAM	25821.25	-23.25	-13	PASS
NVNT	Band4	15	20175	75	#0	QPSK	24831.25	-23.72	-13	PASS
NVNT	Band4	15	20175	75	#0	16QAM	25942.50	-22.58	-13	PASS
NVNT	Band4	15	20325	75	#0	QPSK	25702.50	-23.11	-13	PASS
NVNT	Band4	15	20325	75	#0	16QAM	25918.75	-23.11	-13	PASS
NVNT	Band4	20	20050	100	#0	QPSK	25440.00	-23.25	-13	PASS
NVNT	Band4	20	20050	100	#0	16QAM	25961.88	-23.47	-13	PASS
NVNT	Band4	20	20175	100	#0	QPSK	25480.63	-23.65	-13	PASS
NVNT	Band4	20	20175	100	#0	16QAM	25414.38	-23.44	-13	PASS
NVNT	Band4	20	20300	100	#0	QPSK	25888.75	-23.63	-13	PASS
NVNT	Band4	20	20300	100	#0	16QAM	25493.13	-23.36	-13	PASS



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

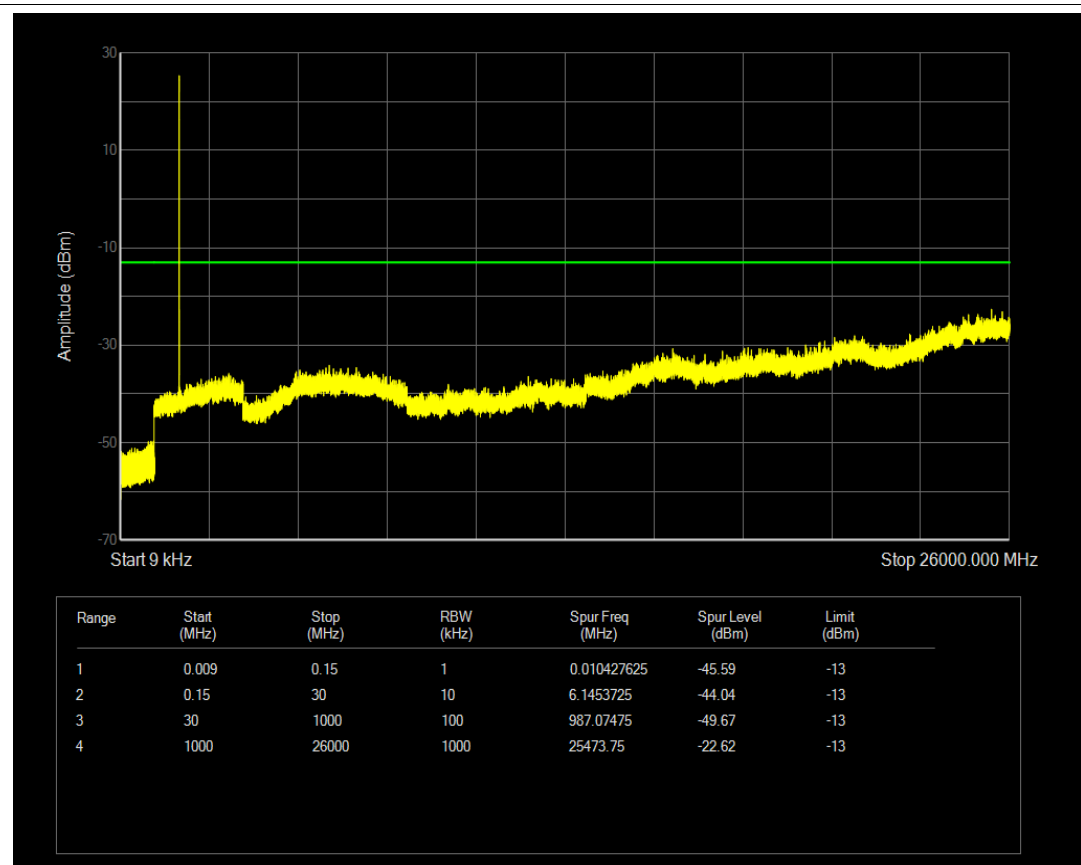


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT

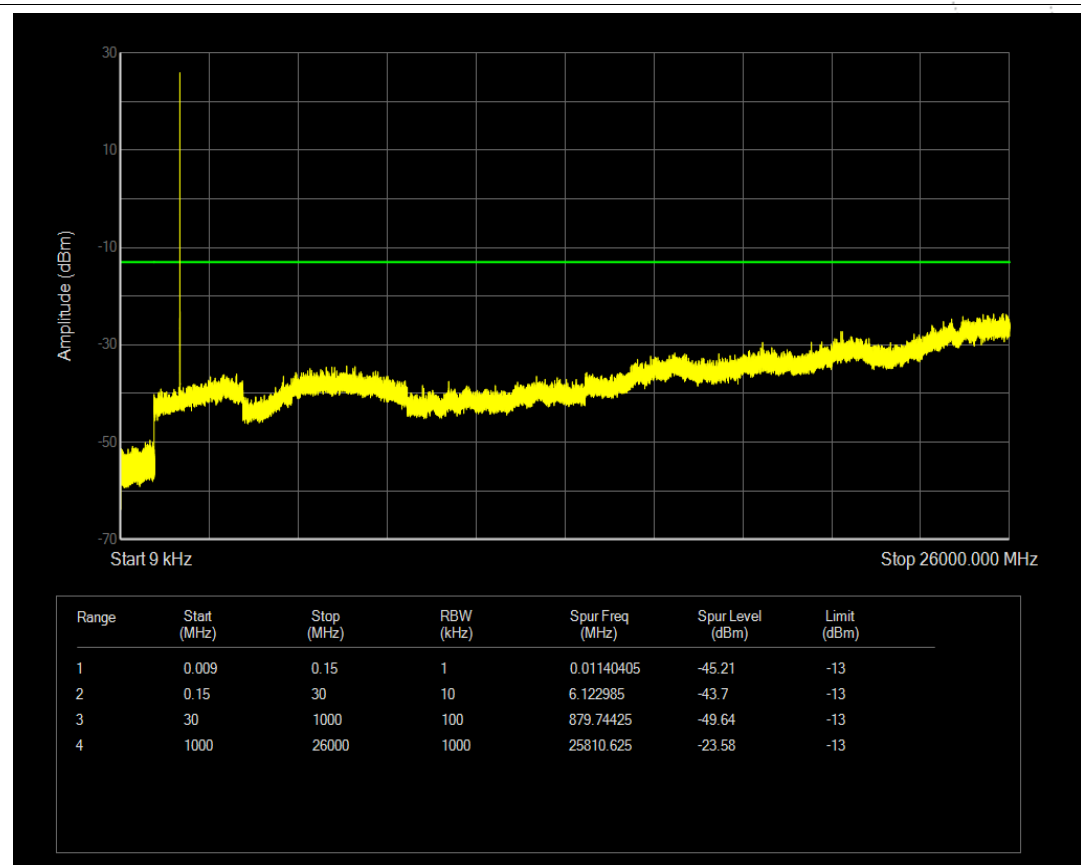


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009955275	-46.39	-13
2	0.15	30	10	6.11776125	-45.39	-13
3	30	1000	100	828.6495	-49.12	-13
4	1000	26000	1000	25082.5	-23.69	-13

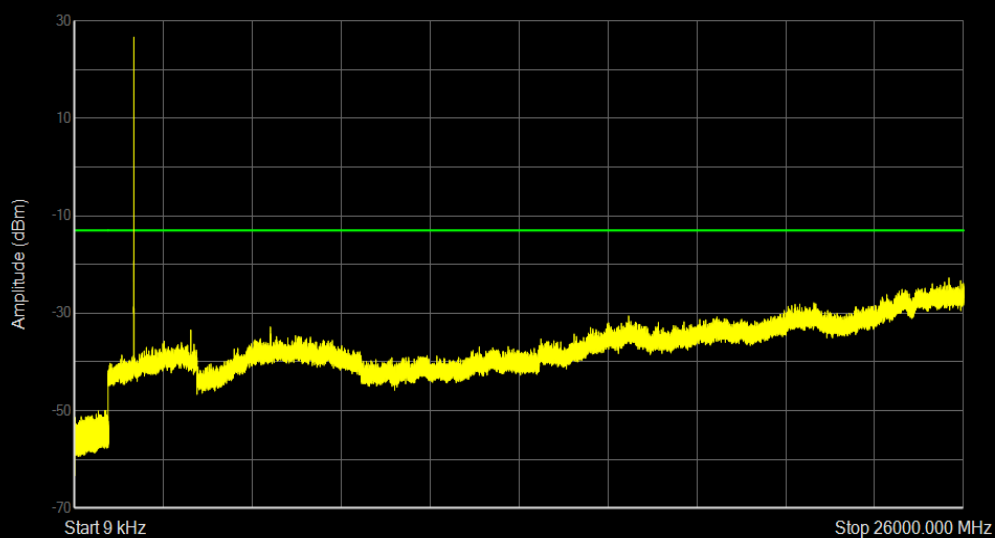
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



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

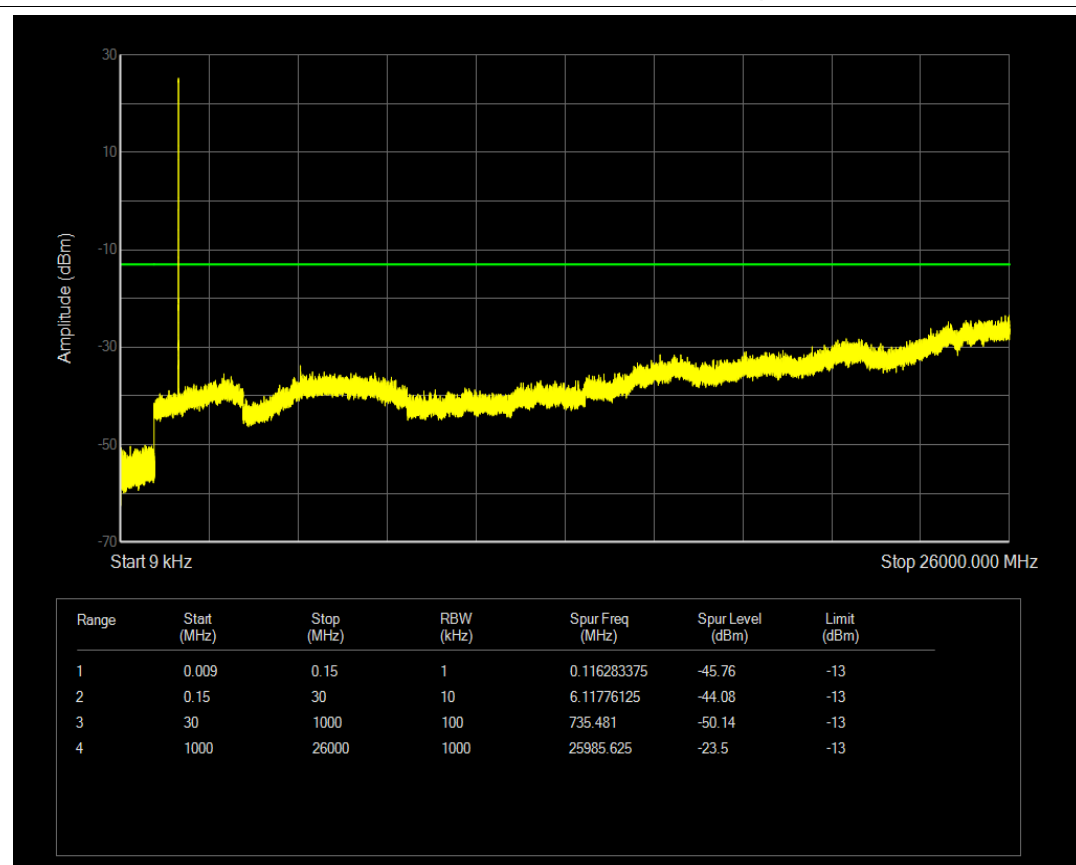


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT

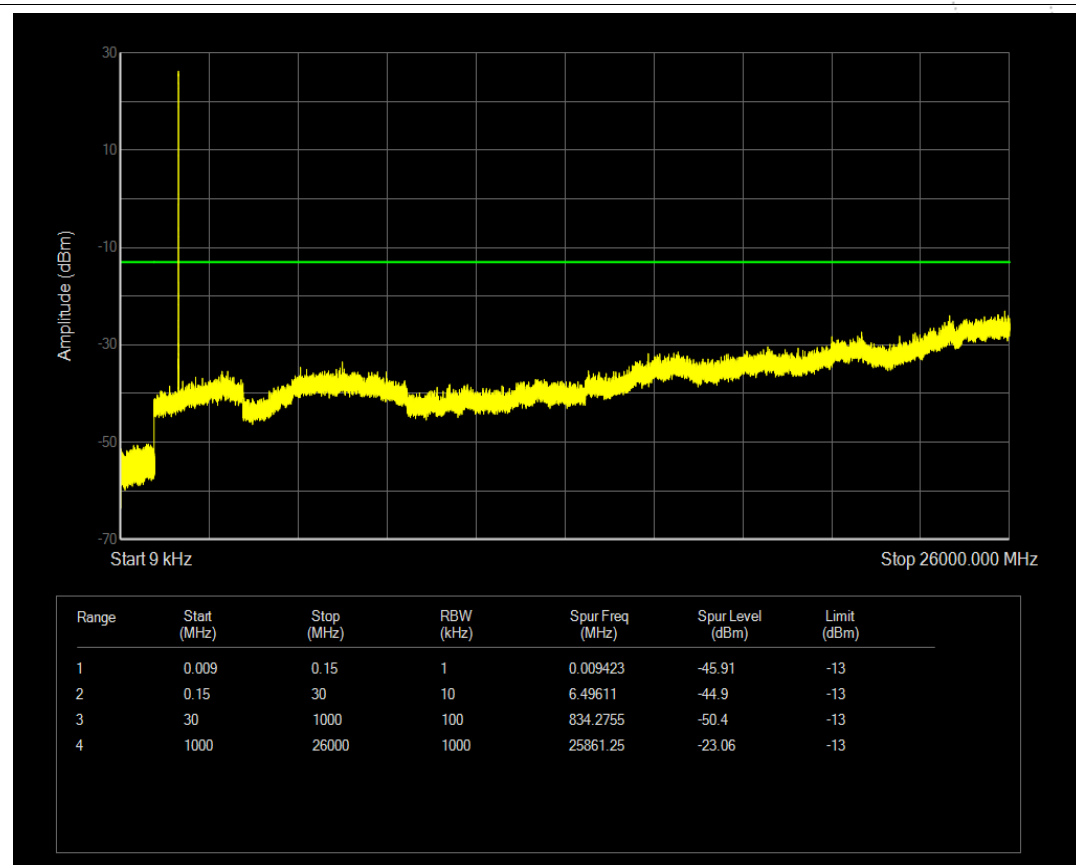


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009052875	-45.51	-13
2	0.15	30	10	6.09686625	-45.9	-13
3	30	1000	100	914.3005	-49.96	-13
4	1000	26000	1000	25572.5	-22.75	-13

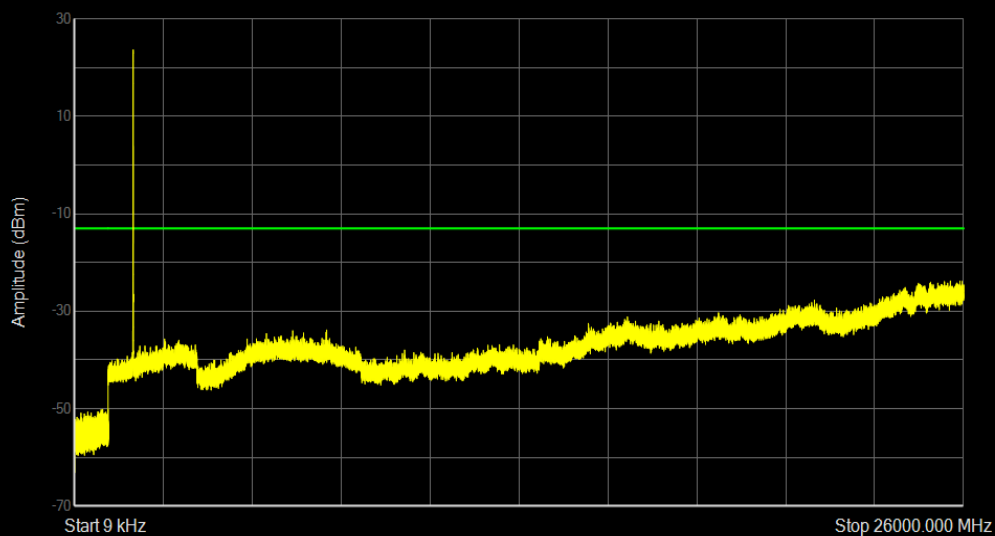
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



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

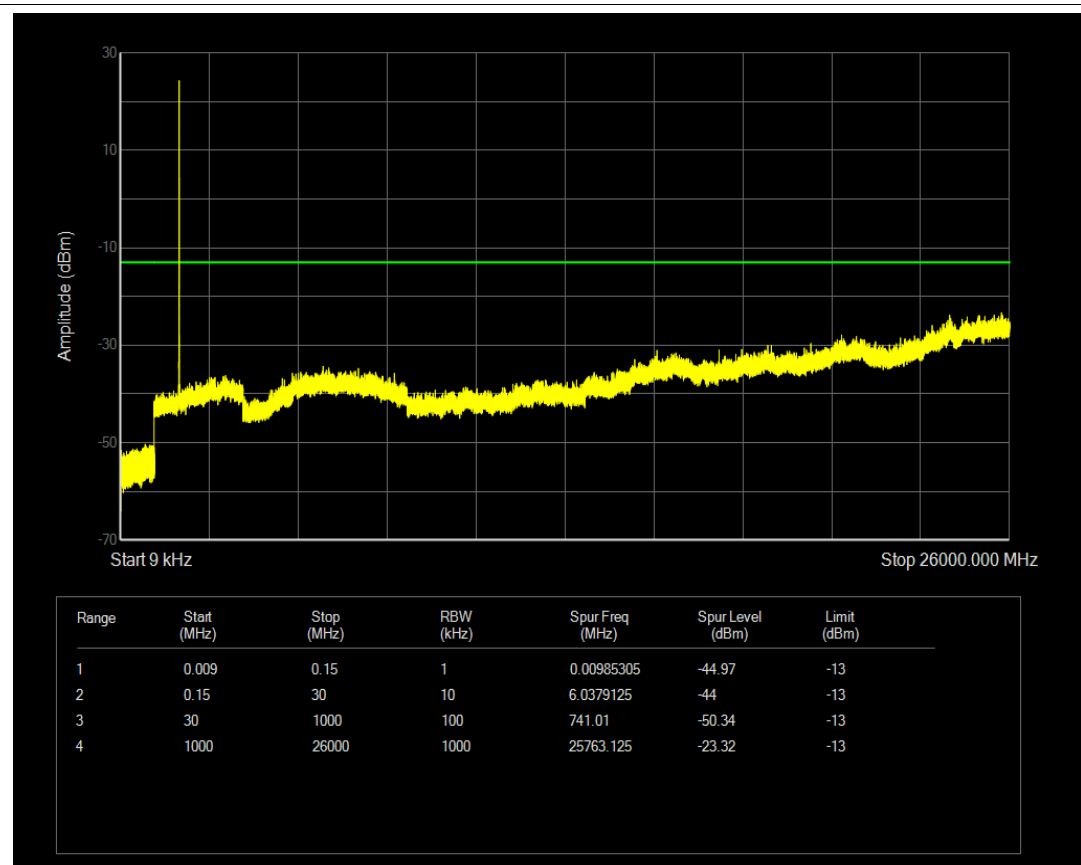


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT

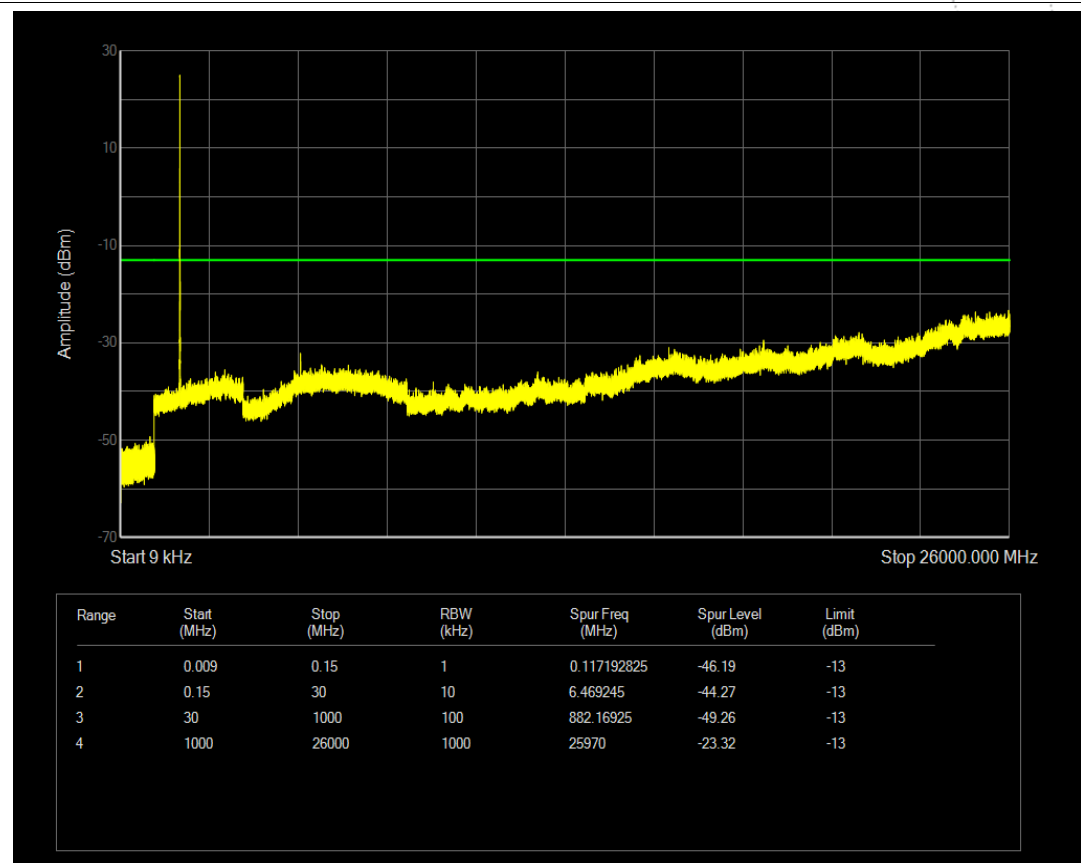


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.71	-13
2	0.15	30	10	6.1244775	-44.5	-13
3	30	1000	100	844.09675	-50.15	-13
4	1000	26000	1000	25613.75	-23.8	-13

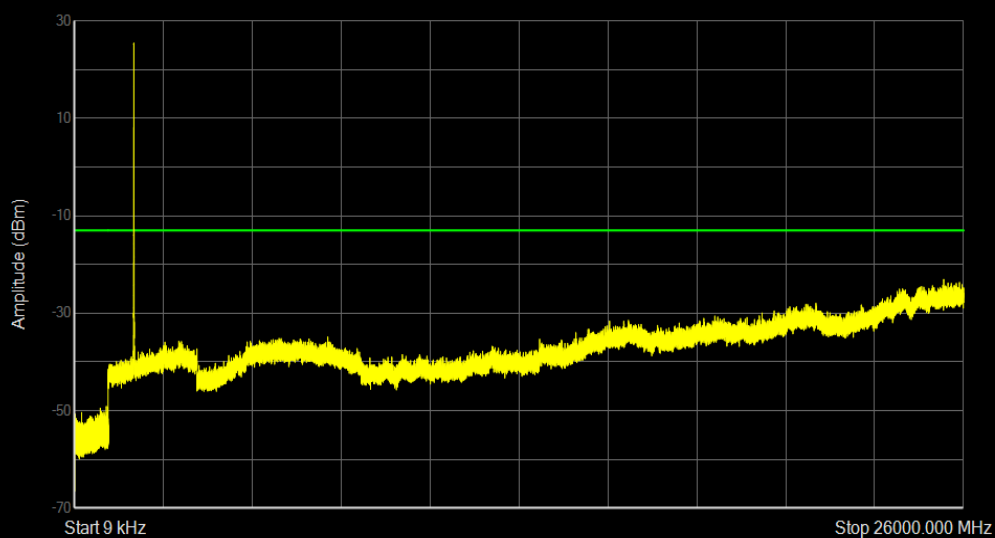
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



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

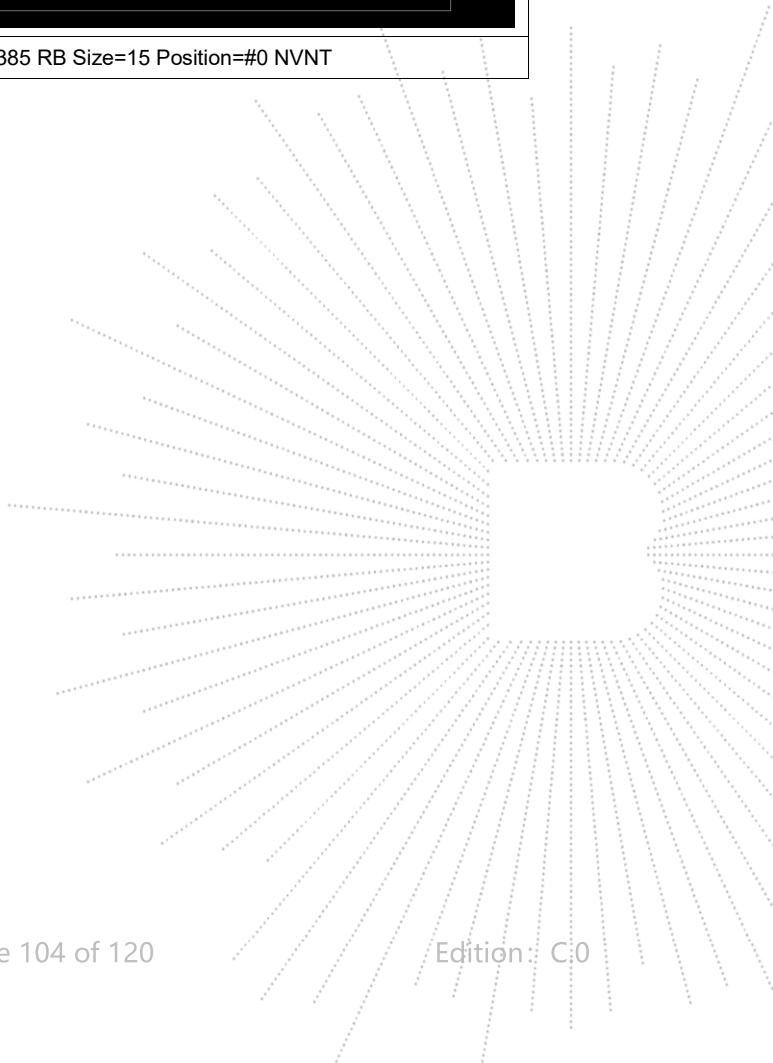


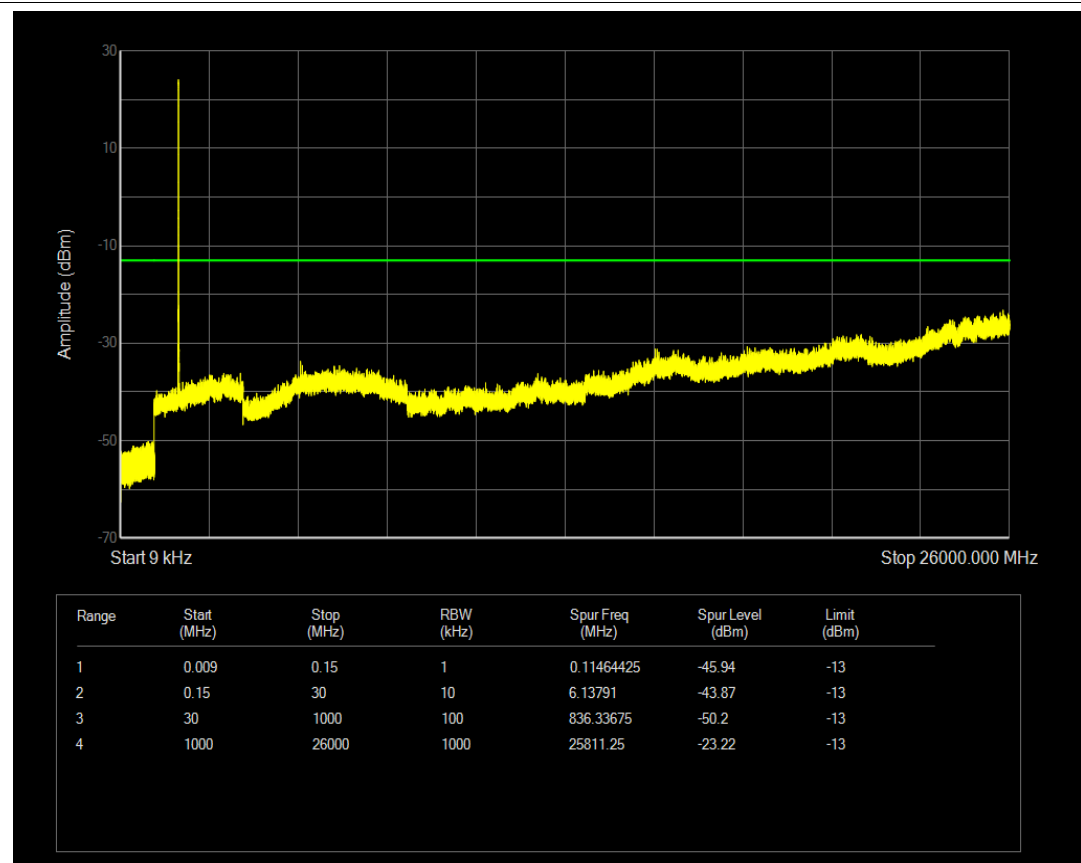
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



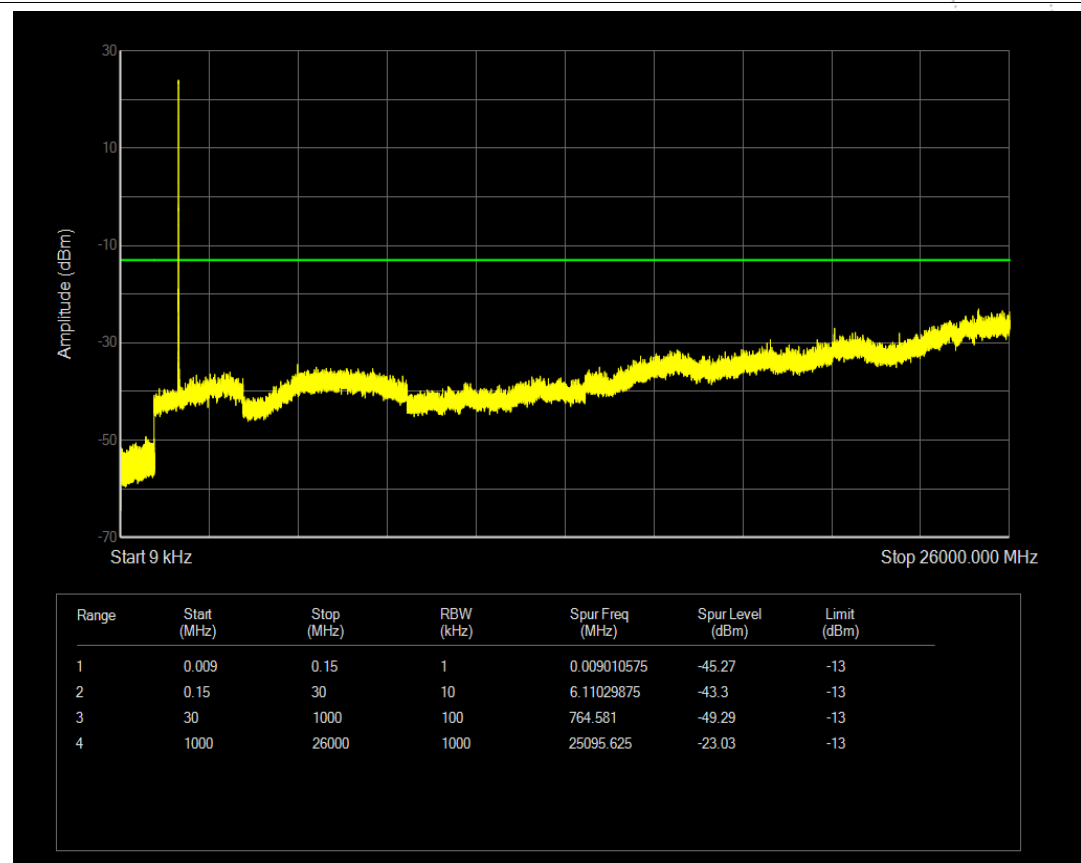
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009715575	-44.58	-13
2	0.15	30	10	6.1155225	-43.93	-13
3	30	1000	100	948.32325	-49.14	-13
4	1000	26000	1000	25419.375	-23.06	-13

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

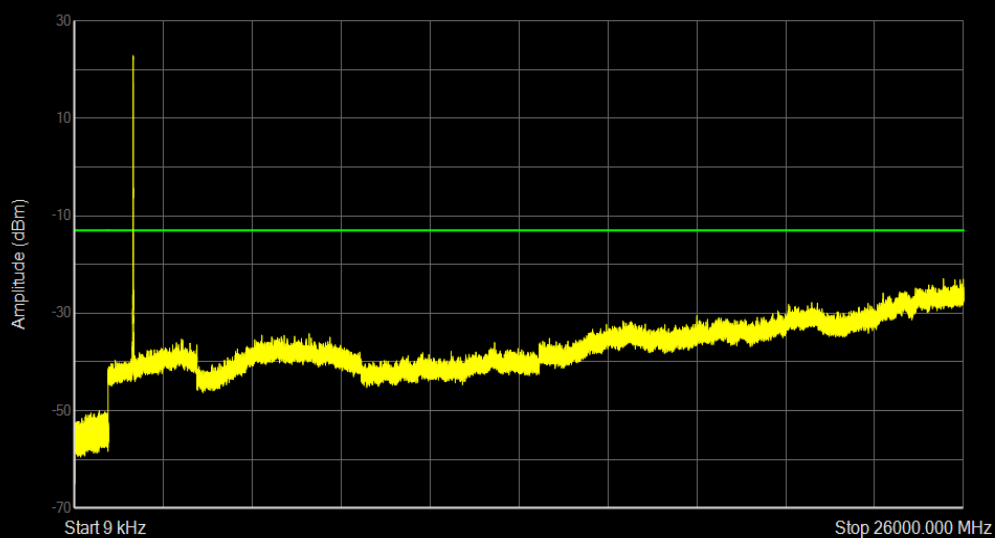




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT

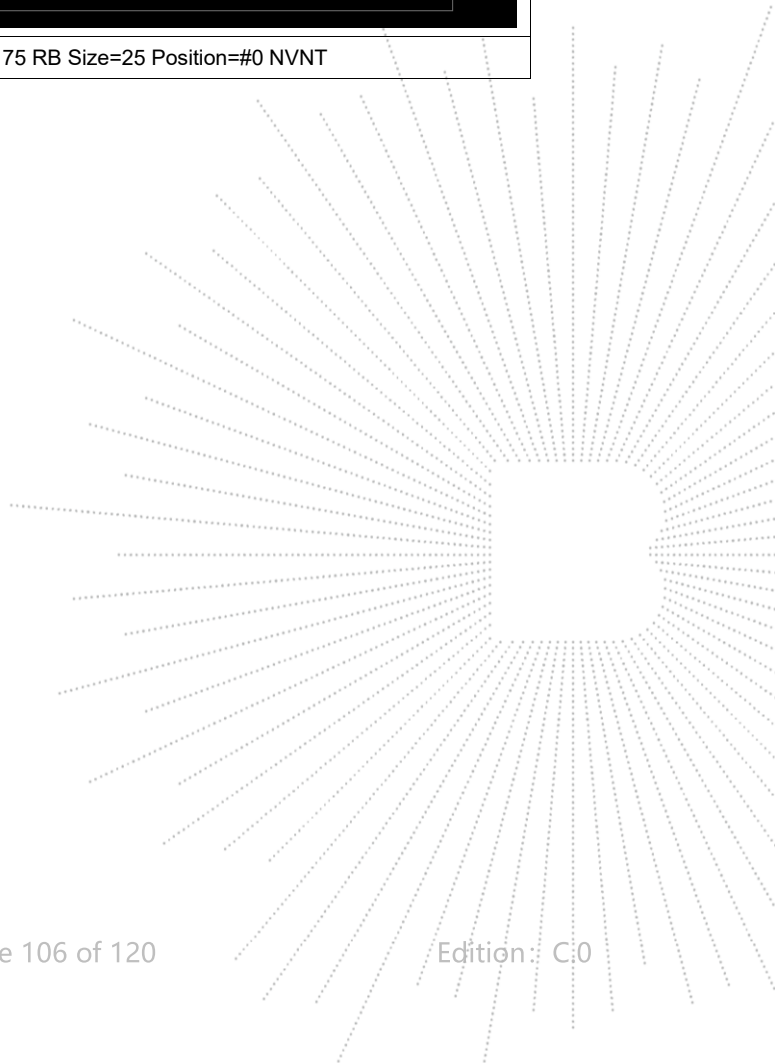


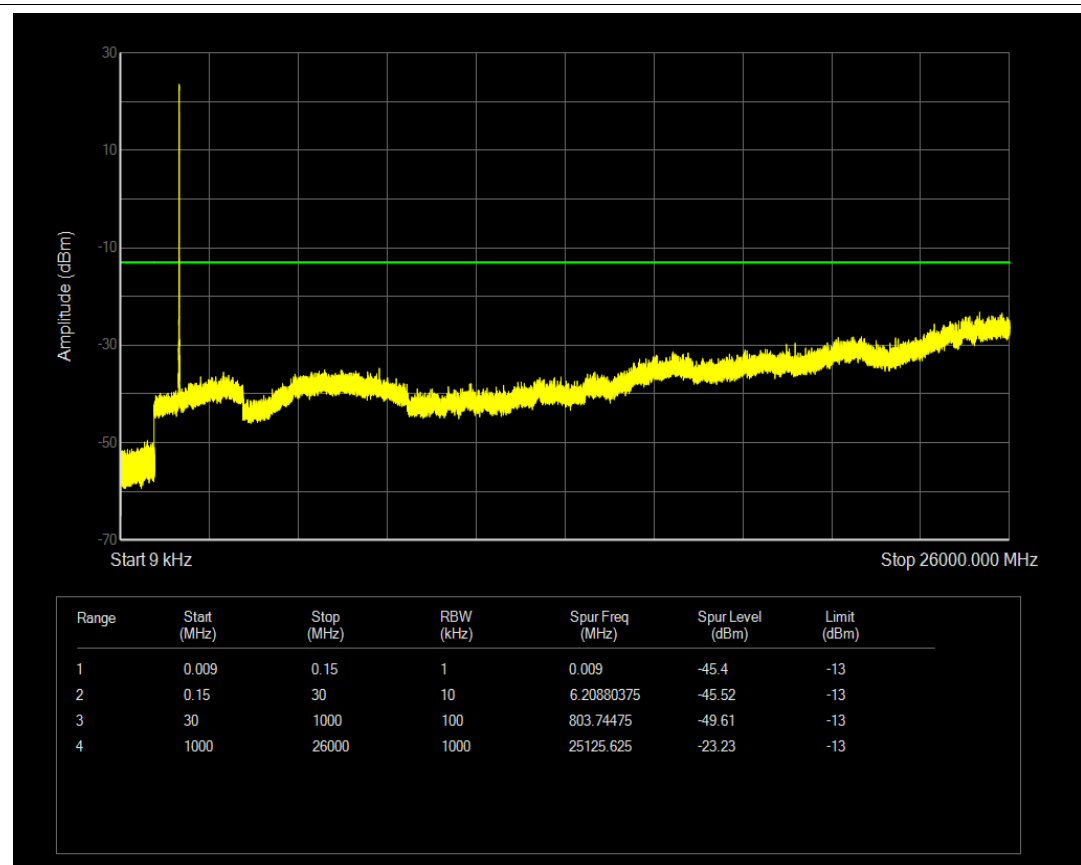
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



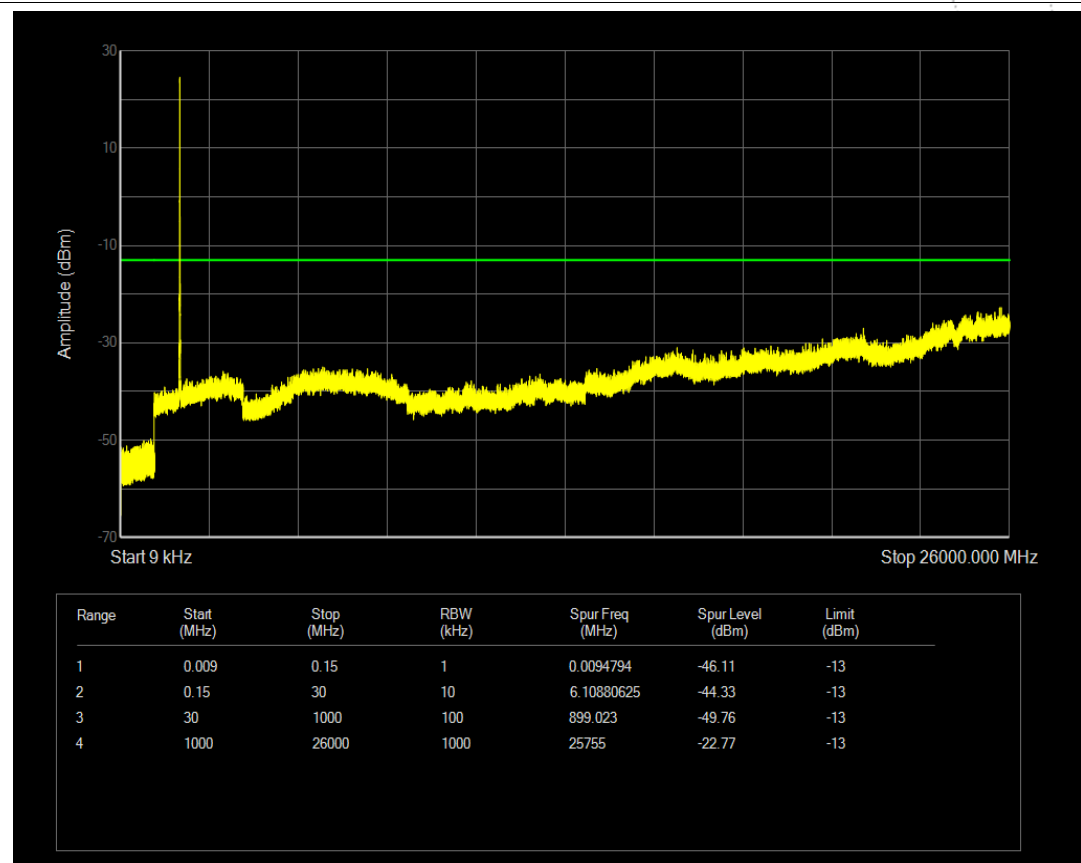
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010131525	-45.6	-13
2	0.15	30	10	6.1125375	-45.11	-13
3	30	1000	100	742.82875	-50.04	-13
4	1000	26000	1000	25412.5	-22.9	-13

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

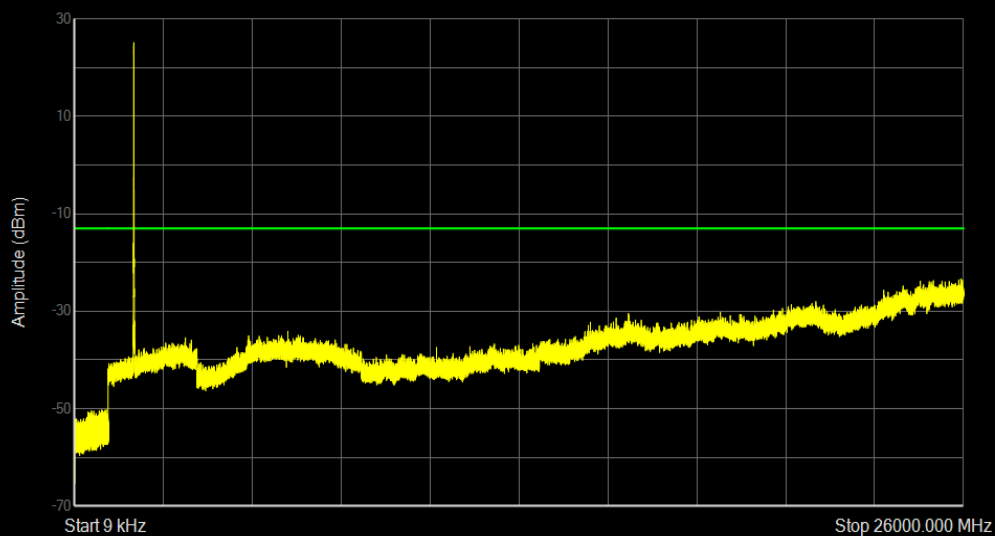




Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT

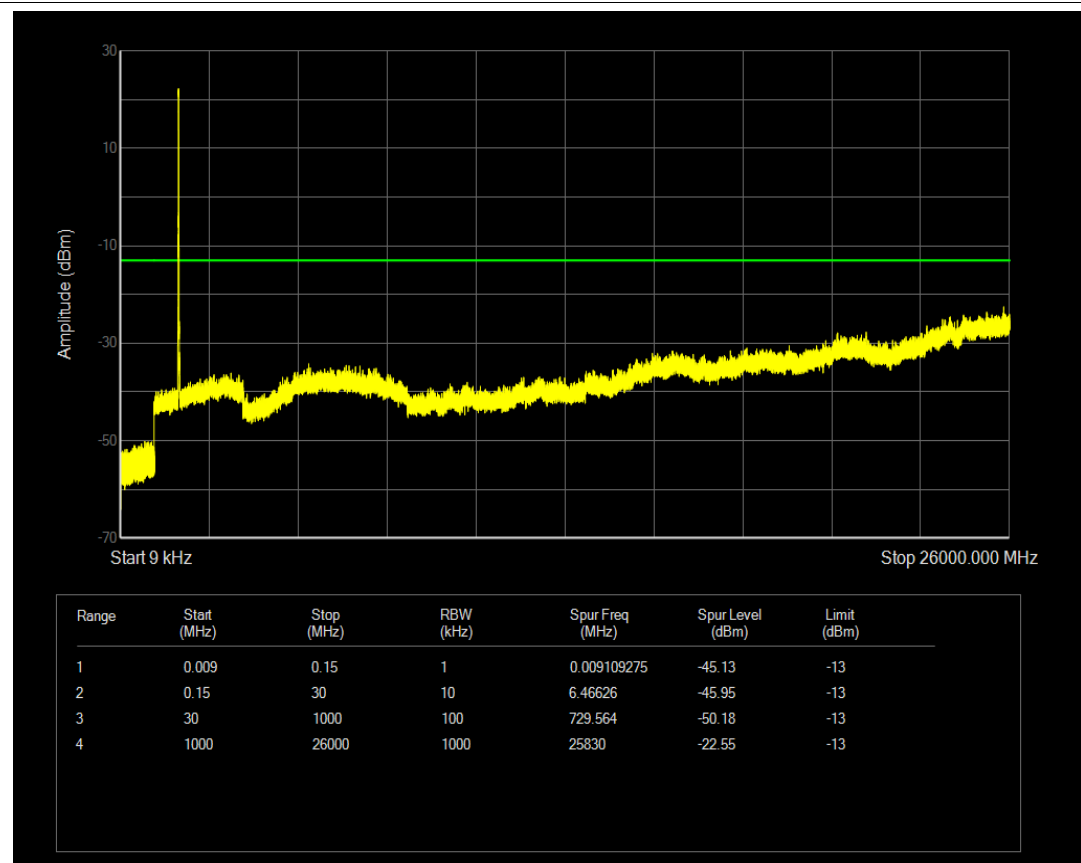


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT

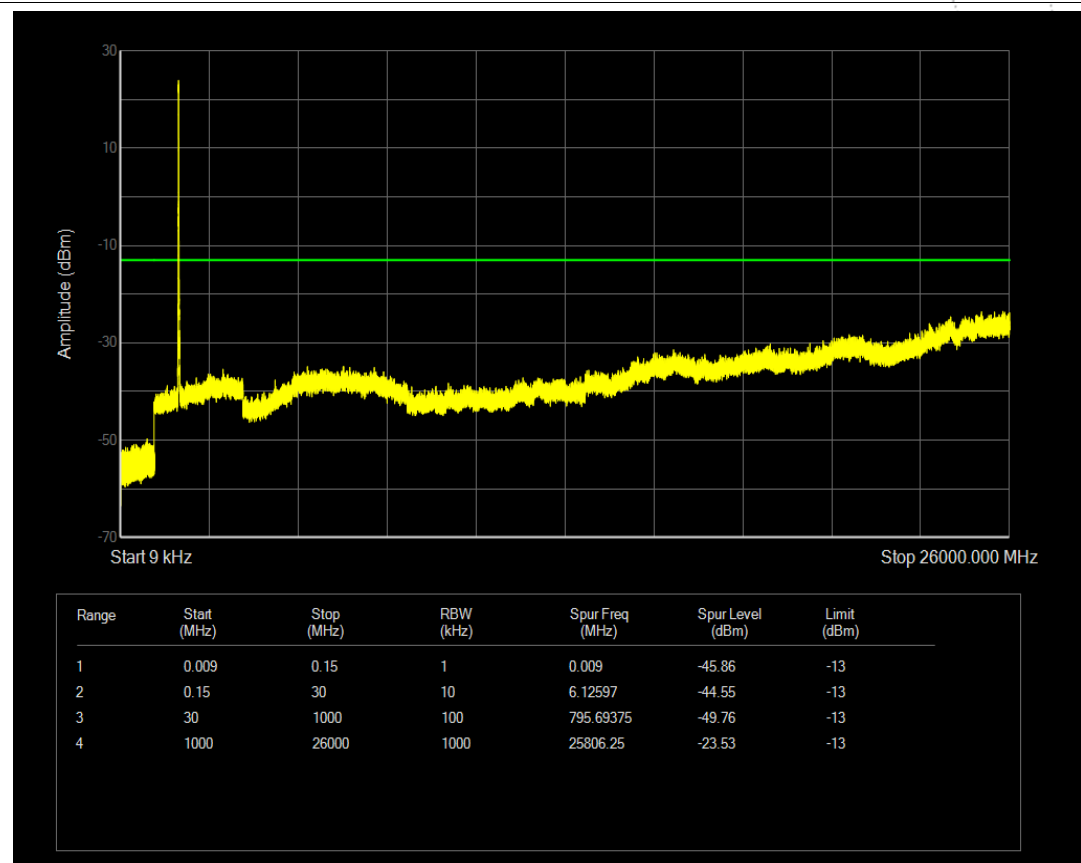


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.03	-13
2	0.15	30	10	6.1065675	-45.19	-13
3	30	1000	100	820.04075	-50.25	-13
4	1000	26000	1000	25922.5	-23.34	-13

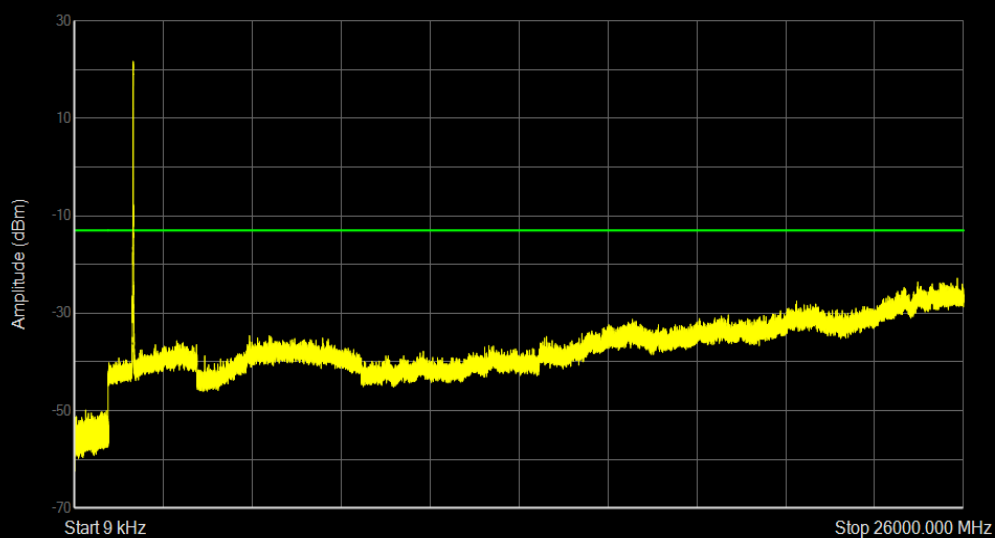
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



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

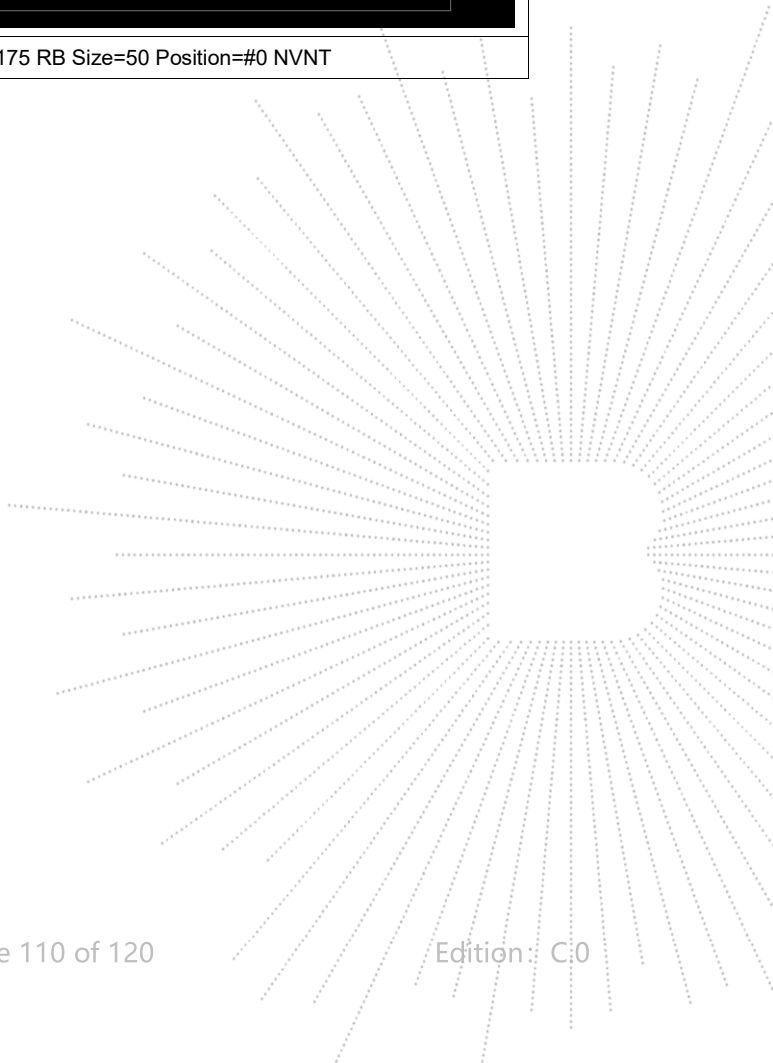


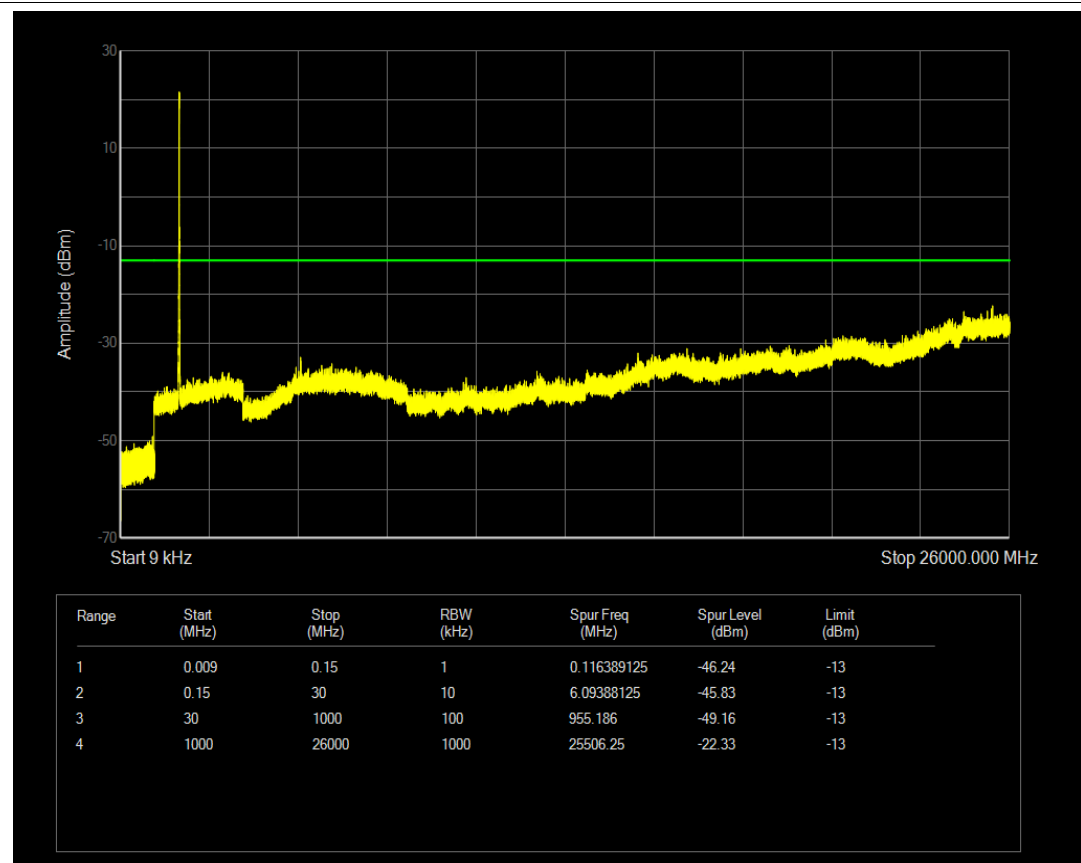
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



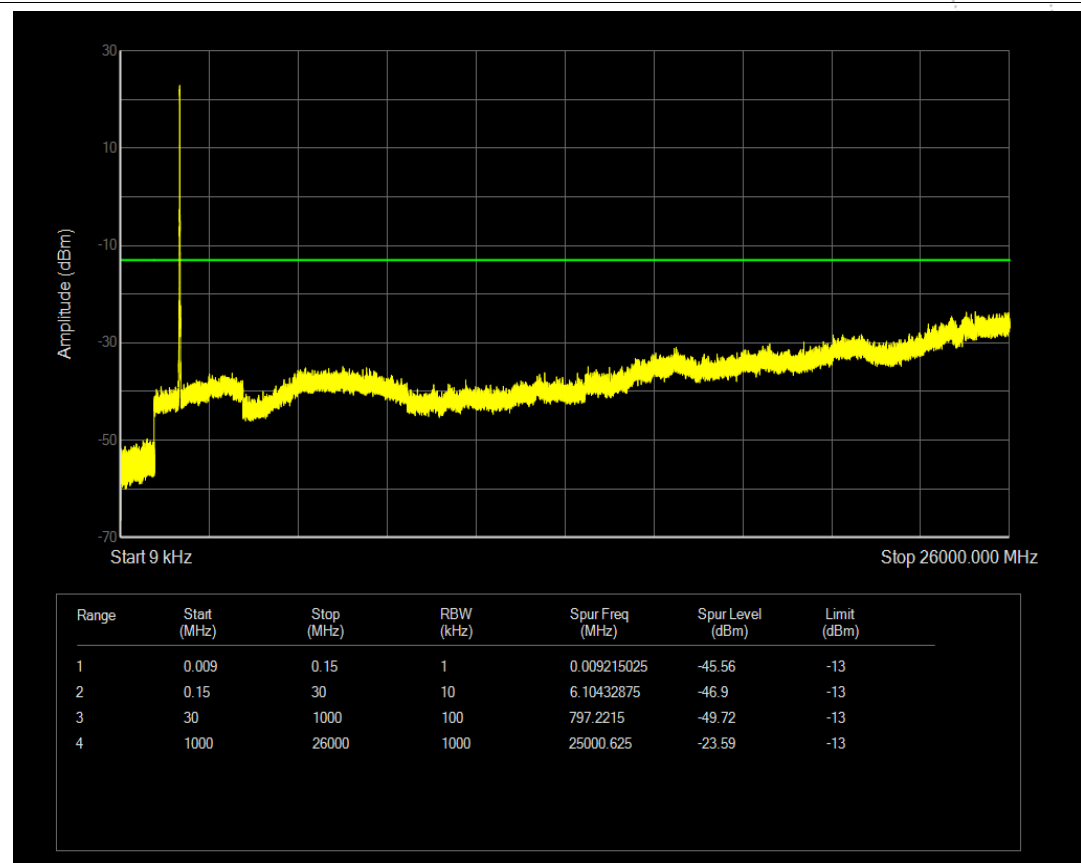
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00941595	-45.2	-13
2	0.15	30	10	6.08641875	-45.84	-13
3	30	1000	100	346.123	-49.88	-13
4	1000	26000	1000	25816.25	-22.8	-13

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

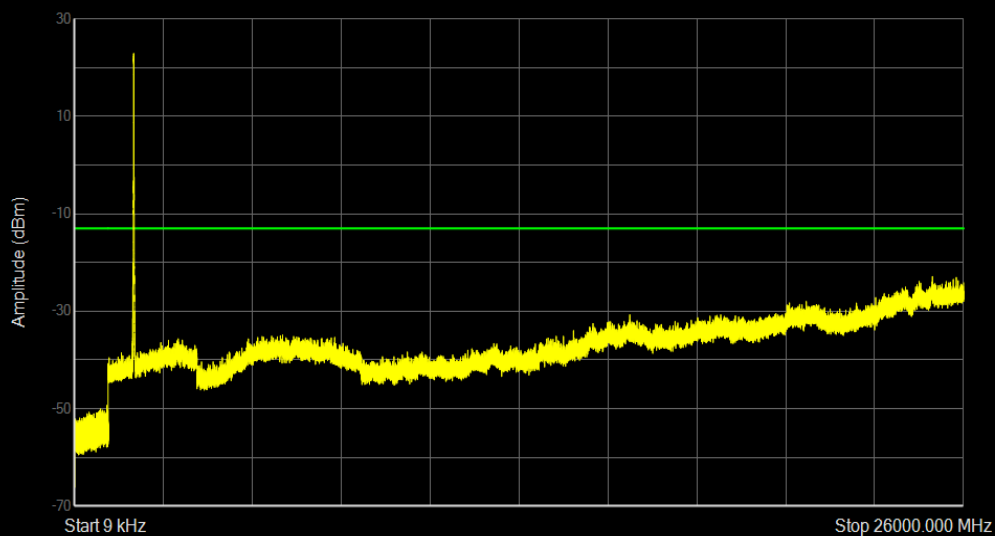




Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT

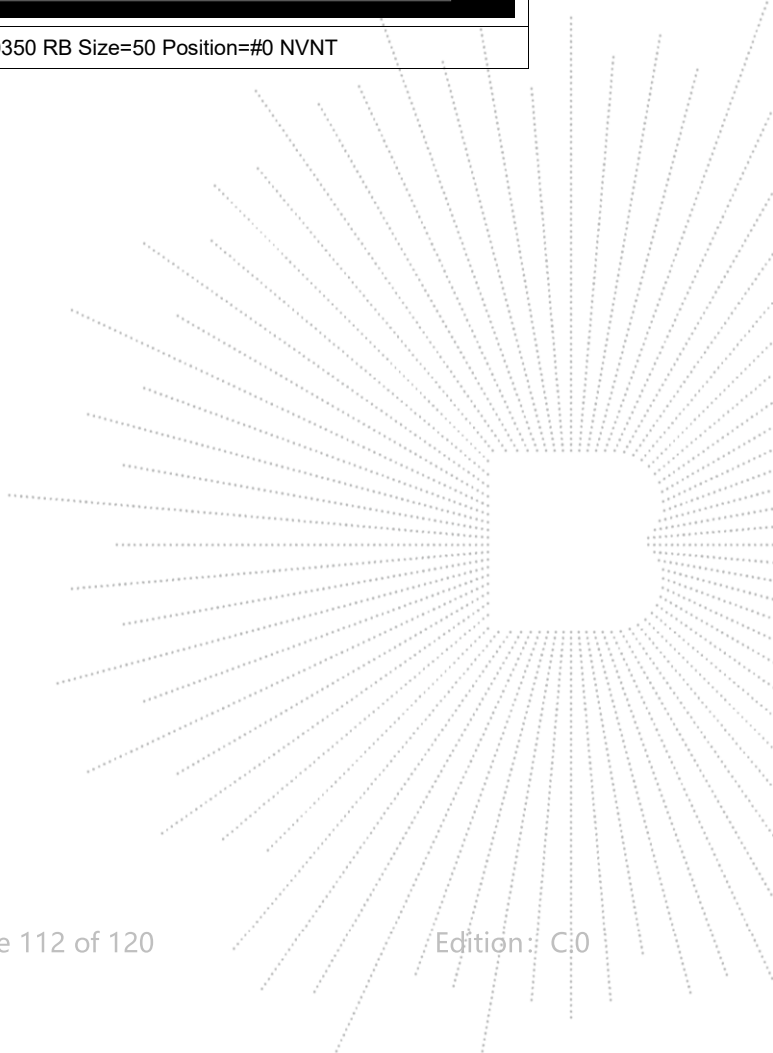


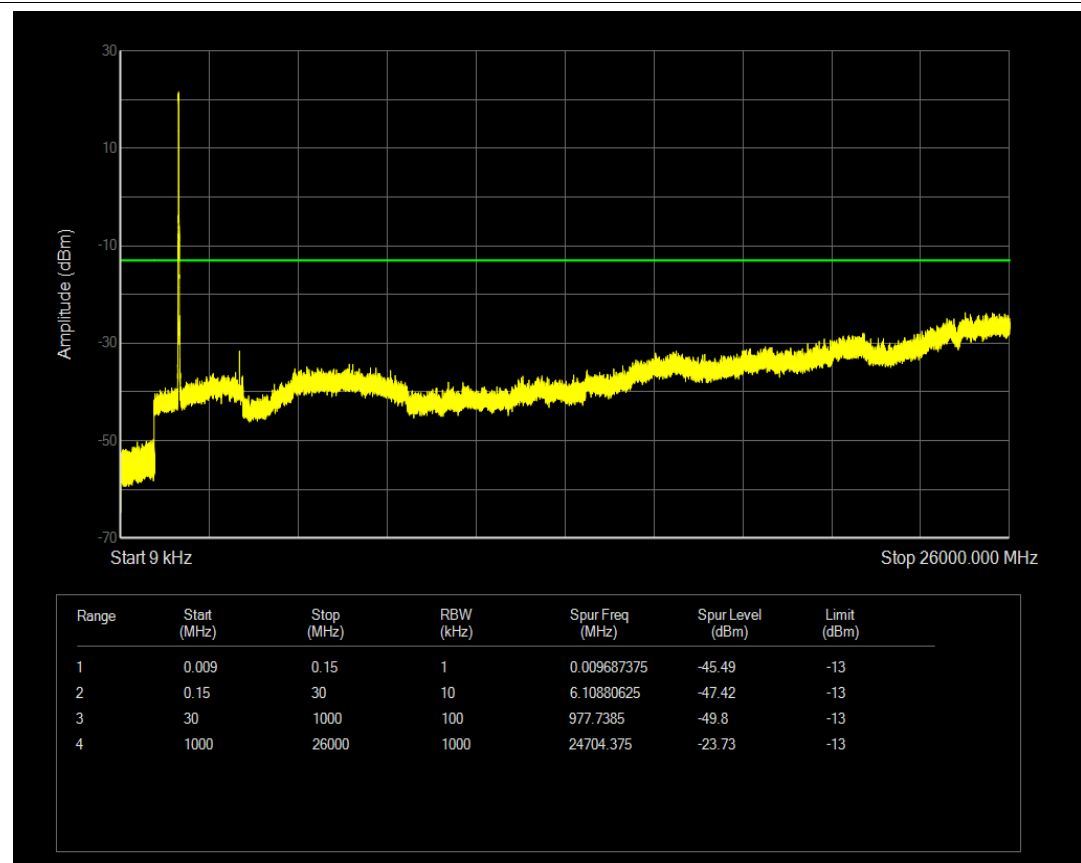
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



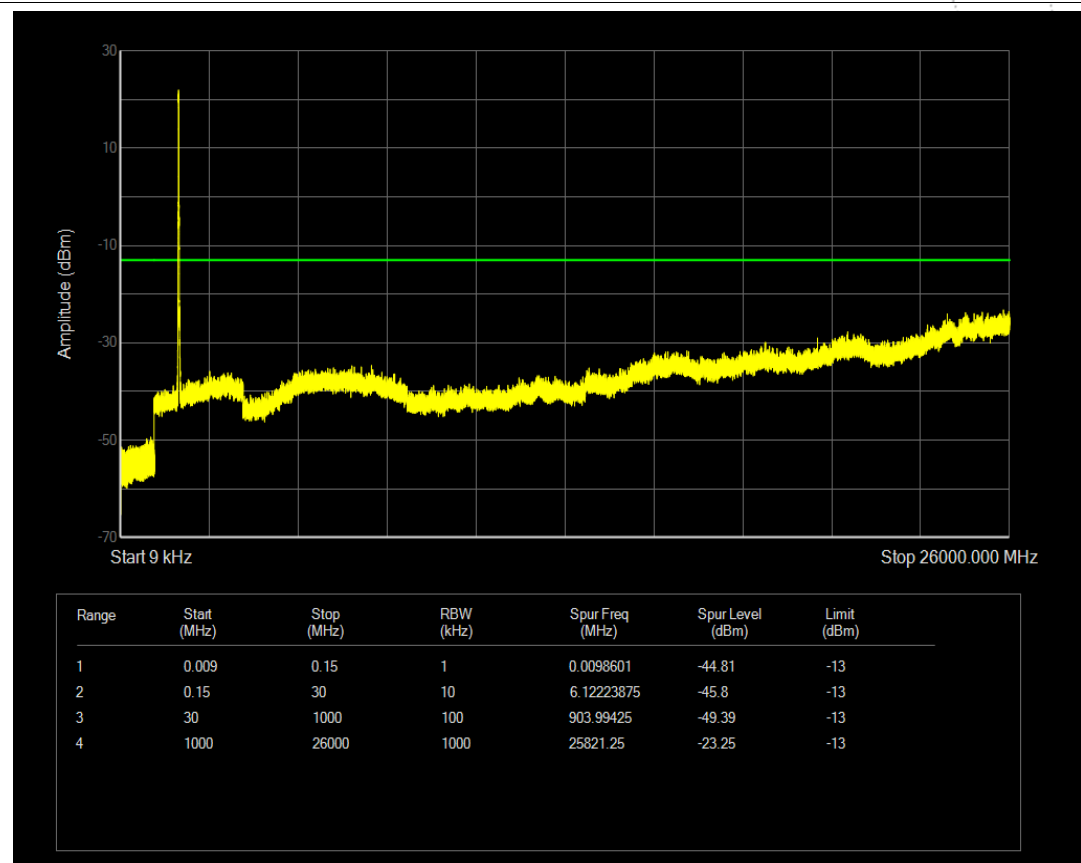
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010723725	-46.19	-13
2	0.15	30	10	6.1304475	-44.58	-13
3	30	1000	100	960.1815	-49.37	-13
4	1000	26000	1000	25090	-22.88	-13

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

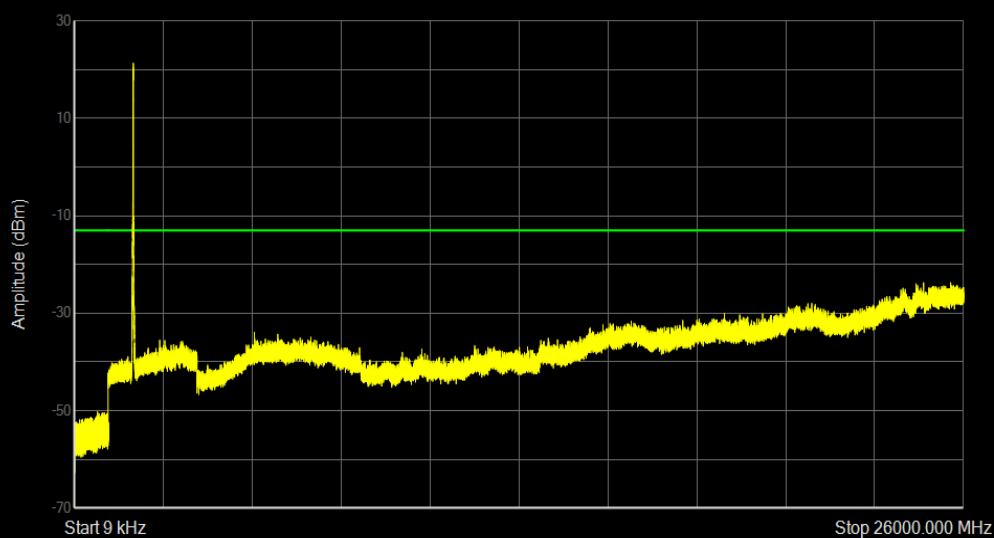




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

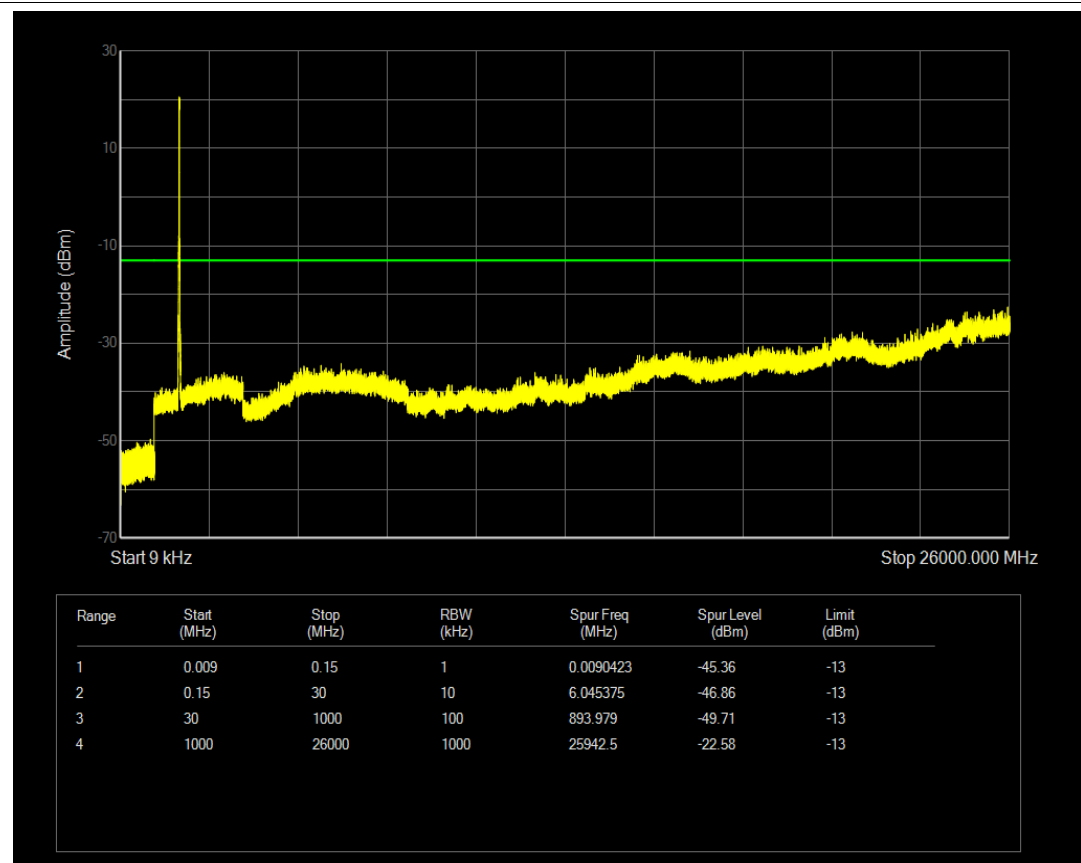


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT

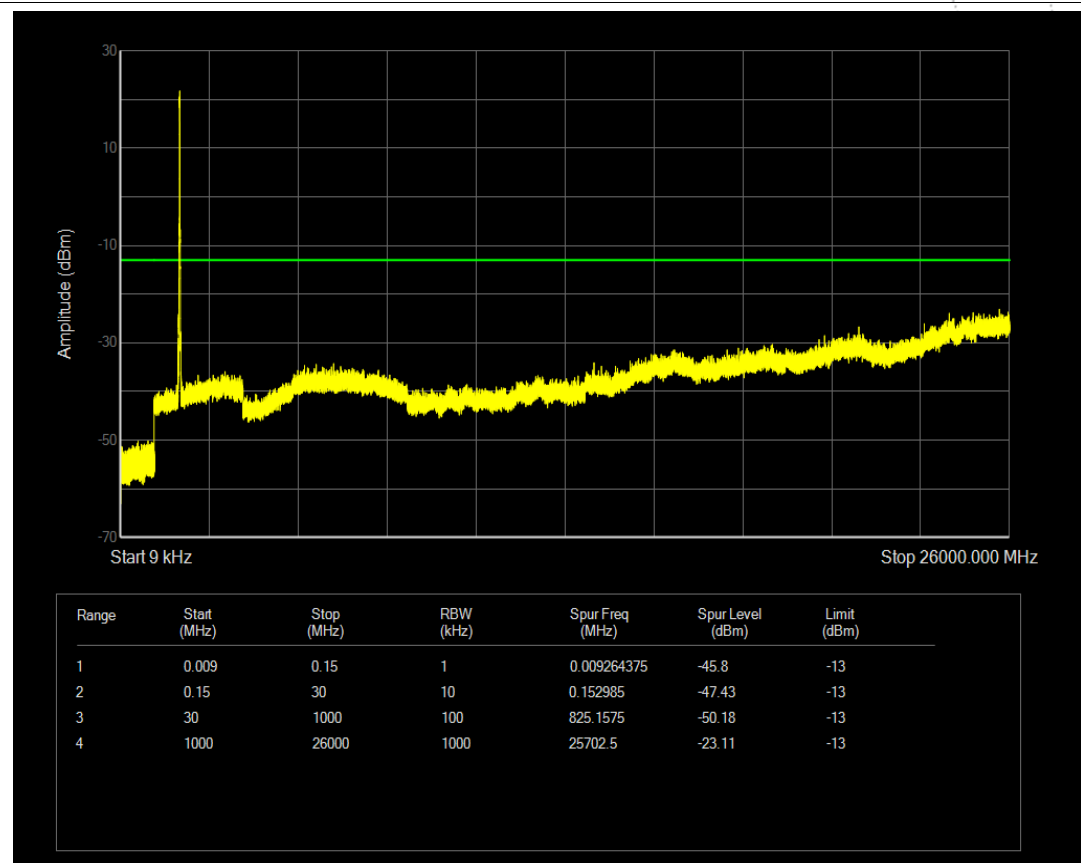


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098037	-44.84	-13
2	0.15	30	10	5.99537625	-47.13	-13
3	30	1000	100	692.5585	-50.27	-13
4	1000	26000	1000	24831.25	-23.72	-13

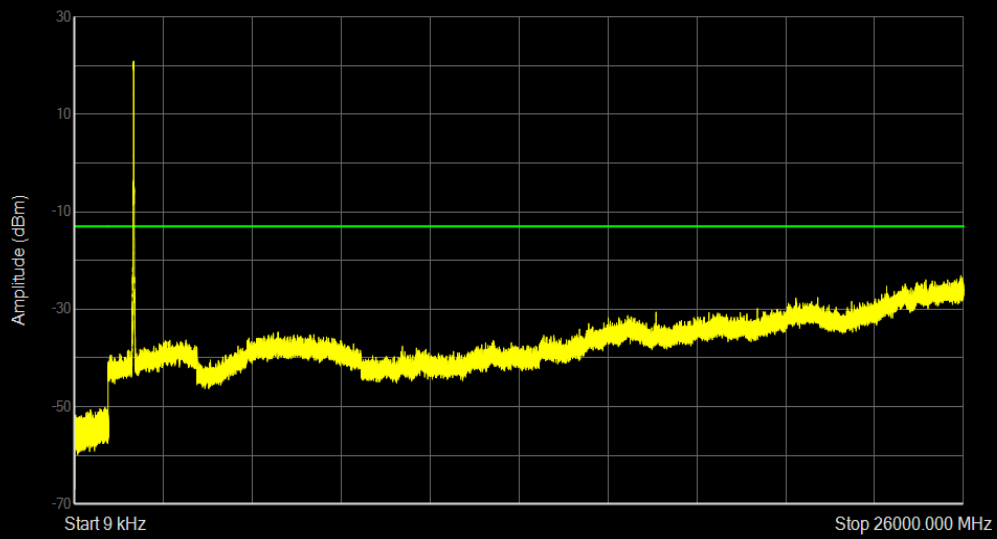
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



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

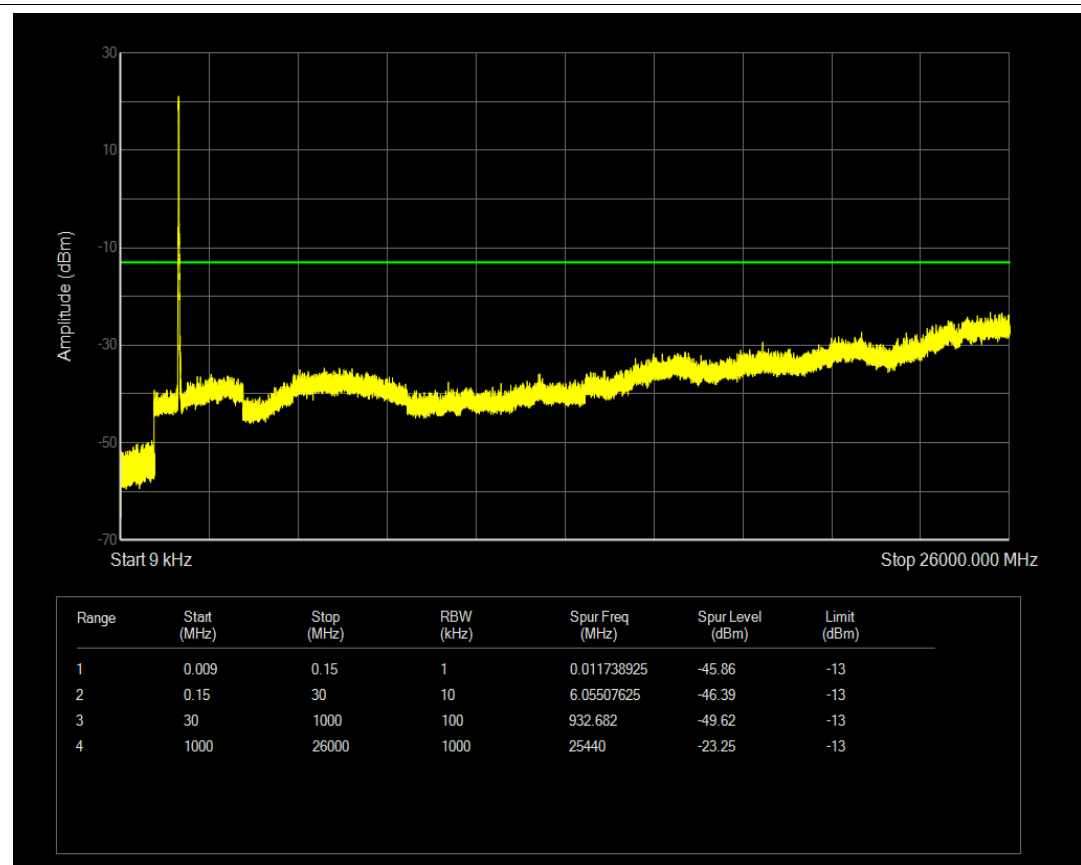


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT

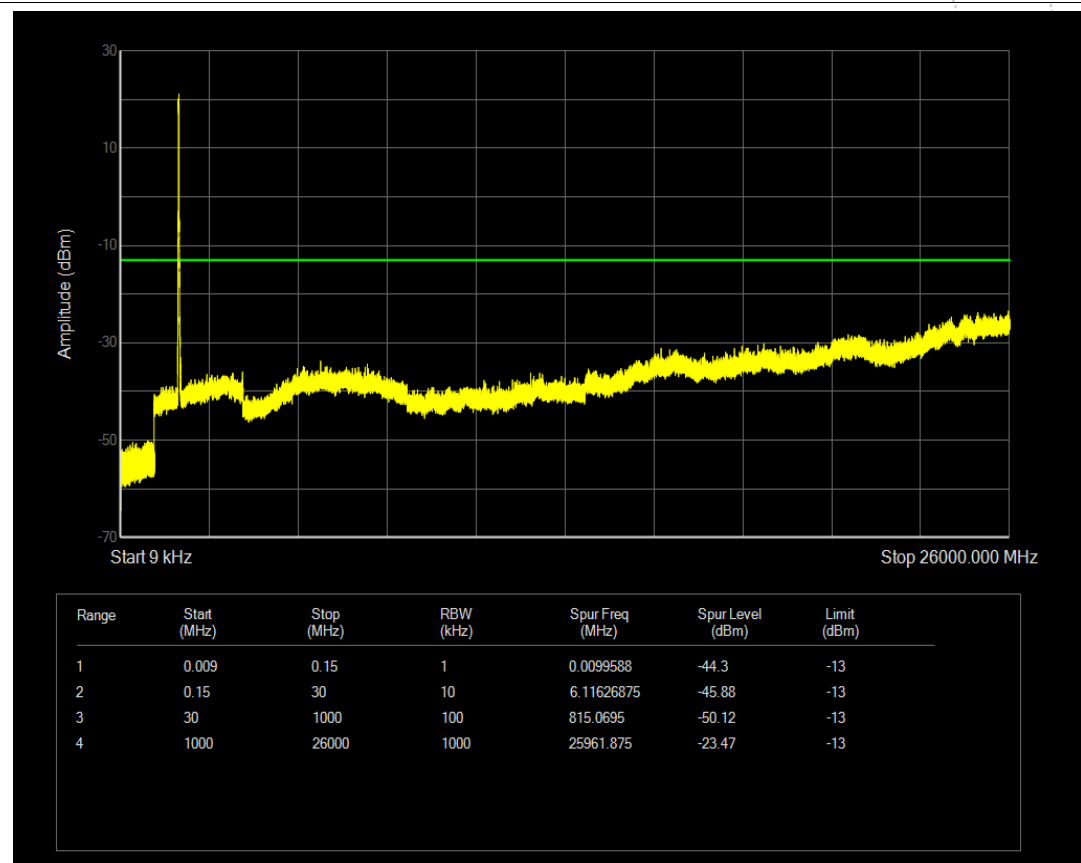


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.117975375	-45.74	-13
2	0.15	30	10	6.07224	-47.08	-13
3	30	1000	100	911.342	-50.15	-13
4	1000	26000	1000	25918.75	-23.11	-13

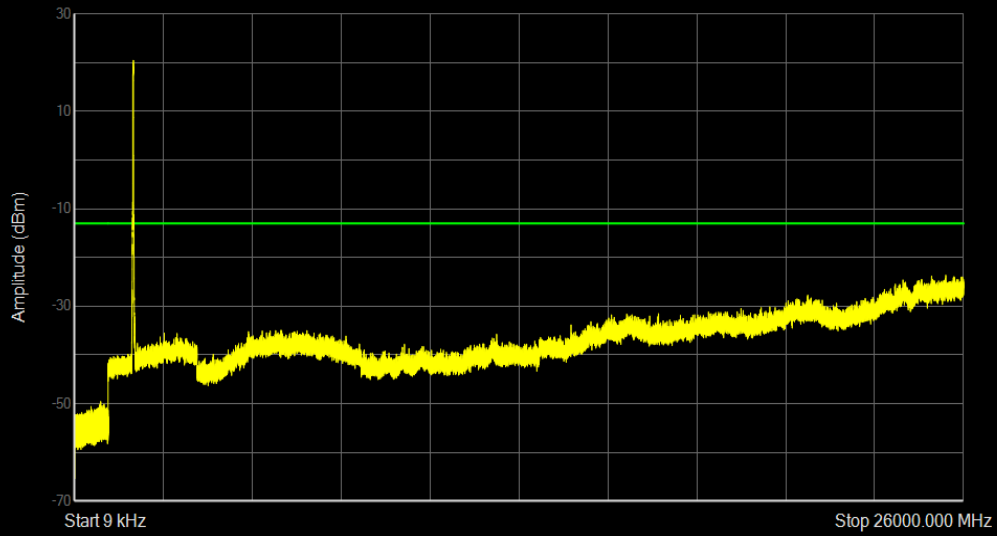
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



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

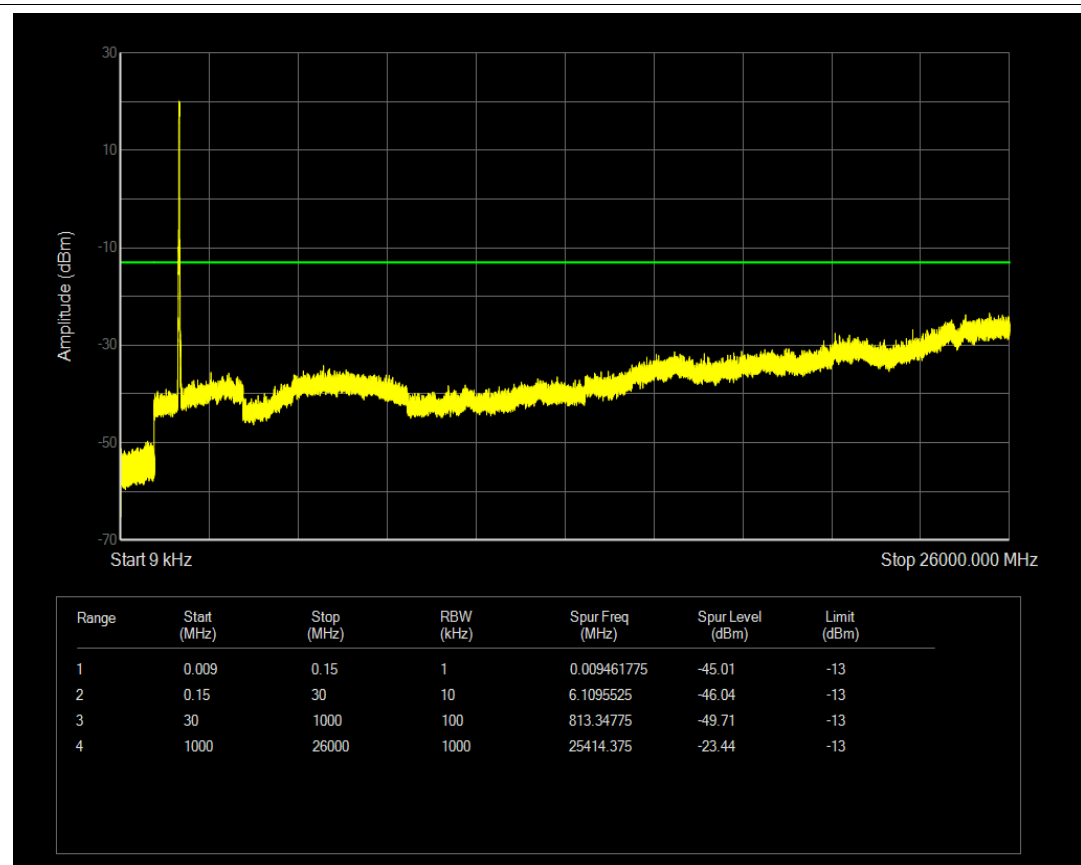


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT

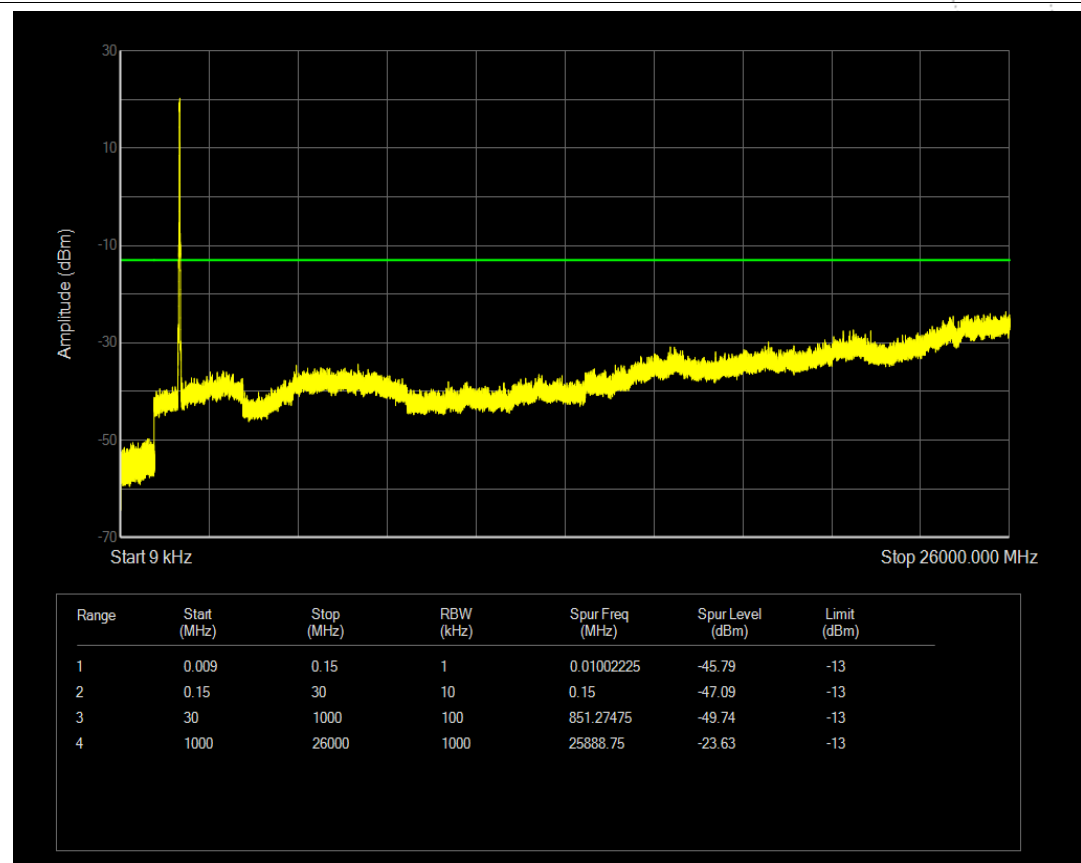


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1146936	-46.29	-13
2	0.15	30	10	6.10880625	-45.5	-13
3	30	1000	100	785.26625	-49.56	-13
4	1000	26000	1000	25480.625	-23.65	-13

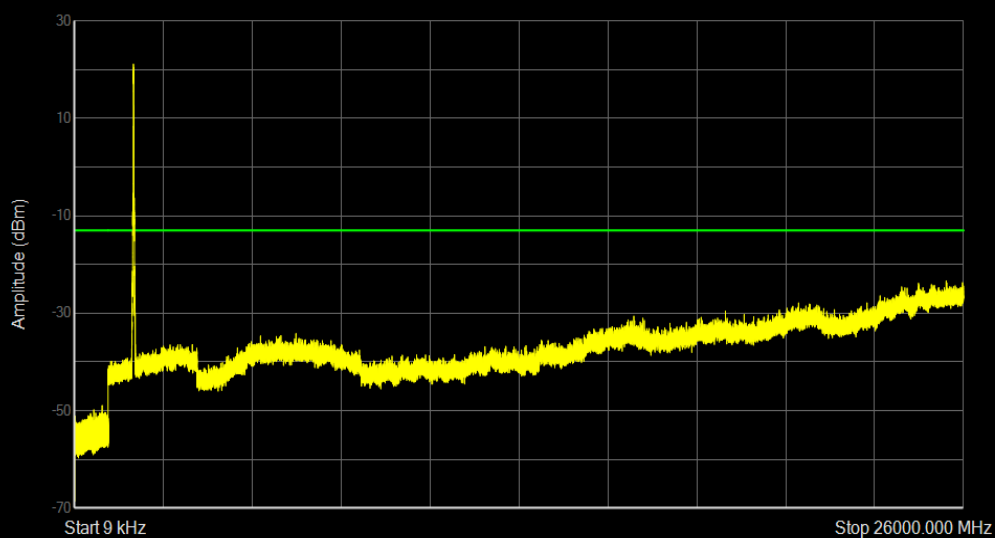
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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	0.01092465	-46.07	-13
2	0.15	30	10	6.176715	-47.2	-13
3	30	1000	100	828.38275	-48.95	-13
4	1000	26000	1000	25493.125	-23.36	-13

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

