

Appendix for Band 5

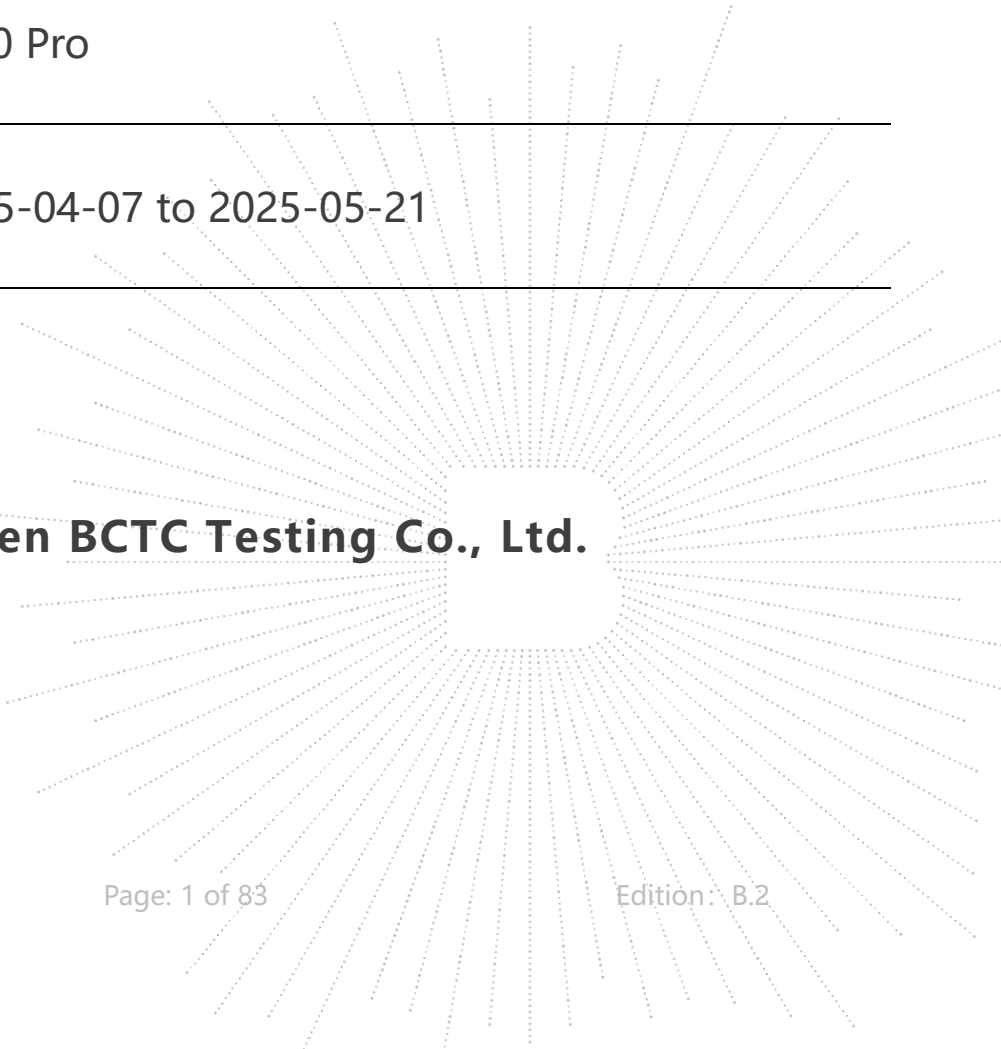
Report No.: BCTC2504164553-6E

Applicant: Shenzhen Qichang Intelligent Technology Co., Ltd

Product Name: Smart Phone

Test Model: F110 Pro

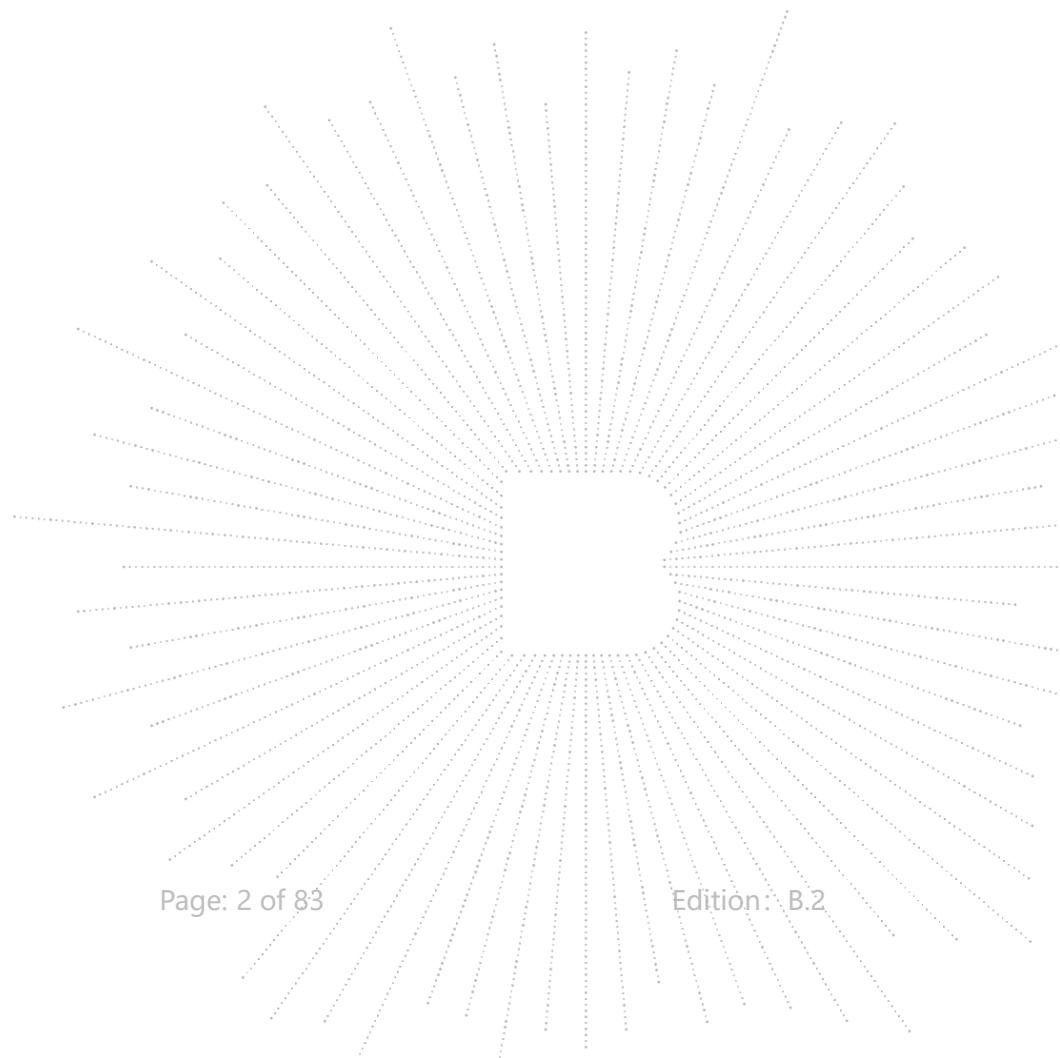
Tested Date: 2025-04-07 to 2025-05-21



Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1.Effective Radiated Power and Effective Isotropic Radiated Power Measurement	3
Appendix 2.Frequency stability	8
Appendix 3.Peak-to-Average Ratio	21
Appendix 4.Occupied bandwidth	38
Appendix 5.Band edge	55
Appendix 6.Out-of-band emissions	67



Appendix 1.Effective Radiated Power and Effective Isotropic Radiated Power

Measurement

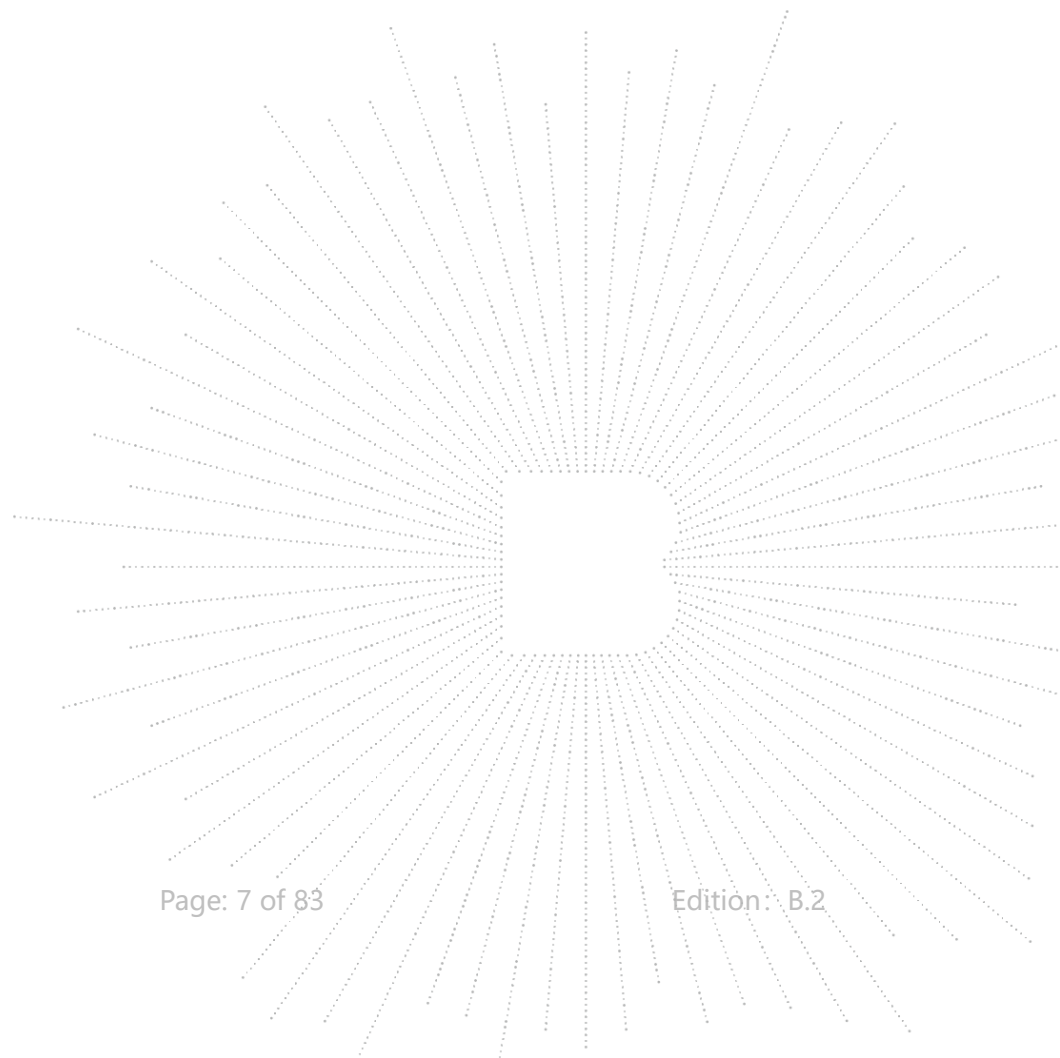
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	1.4	20407	1	#Mid	QPSK	24.42	-0.27	22.00	PASS
NVNT	Band5	1.4	20407	1	#Max	QPSK	24.39	-0.27	21.97	PASS
NVNT	Band5	1.4	20407	3	#0	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	1.4	20407	3	#Mid	QPSK	24.42	-0.27	22.00	PASS
NVNT	Band5	1.4	20407	3	#Max	QPSK	24.42	-0.27	22.00	PASS
NVNT	Band5	1.4	20407	6	#0	QPSK	23.42	-0.27	21.00	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	23.68	-0.27	21.26	PASS
NVNT	Band5	1.4	20407	1	#Mid	16QAM	23.59	-0.27	21.17	PASS
NVNT	Band5	1.4	20407	1	#Max	16QAM	23.66	-0.27	21.24	PASS
NVNT	Band5	1.4	20407	3	#0	16QAM	23.65	-0.27	21.23	PASS
NVNT	Band5	1.4	20407	3	#Mid	16QAM	23.67	-0.27	21.25	PASS
NVNT	Band5	1.4	20407	3	#Max	16QAM	23.65	-0.27	21.23	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	22.61	-0.27	20.19	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	24.50	-0.27	22.08	PASS
NVNT	Band5	1.4	20525	1	#Mid	QPSK	24.49	-0.27	22.07	PASS
NVNT	Band5	1.4	20525	1	#Max	QPSK	24.48	-0.27	22.06	PASS
NVNT	Band5	1.4	20525	3	#0	QPSK	24.42	-0.27	22.00	PASS
NVNT	Band5	1.4	20525	3	#Mid	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	1.4	20525	3	#Max	QPSK	24.42	-0.27	22.00	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	23.43	-0.27	21.01	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	23.38	-0.27	20.96	PASS
NVNT	Band5	1.4	20525	1	#Mid	16QAM	23.36	-0.27	20.94	PASS
NVNT	Band5	1.4	20525	1	#Max	16QAM	23.38	-0.27	20.96	PASS
NVNT	Band5	1.4	20525	3	#0	16QAM	23.58	-0.27	21.16	PASS
NVNT	Band5	1.4	20525	3	#Mid	16QAM	23.58	-0.27	21.16	PASS
NVNT	Band5	1.4	20525	3	#Max	16QAM	23.59	-0.27	21.17	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	22.59	-0.27	20.17	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	1.4	20643	1	#Mid	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	1.4	20643	1	#Max	QPSK	24.40	-0.27	21.98	PASS
NVNT	Band5	1.4	20643	3	#0	QPSK	24.33	-0.27	21.91	PASS
NVNT	Band5	1.4	20643	3	#Mid	QPSK	24.38	-0.27	21.96	PASS
NVNT	Band5	1.4	20643	3	#Max	QPSK	24.37	-0.27	21.95	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	23.40	-0.27	20.98	PASS

NVNT	Band5	1.4	20643	1	#0	16QAM	23.55	-0.27	21.13	PASS
NVNT	Band5	1.4	20643	1	#Mid	16QAM	23.50	-0.27	21.08	PASS
NVNT	Band5	1.4	20643	1	#Max	16QAM	23.59	-0.27	21.17	PASS
NVNT	Band5	1.4	20643	3	#0	16QAM	23.57	-0.27	21.15	PASS
NVNT	Band5	1.4	20643	3	#Mid	16QAM	23.58	-0.27	21.16	PASS
NVNT	Band5	1.4	20643	3	#Max	16QAM	23.56	-0.27	21.14	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	22.58	-0.27	20.16	PASS
NVNT	Band5	3	20415	1	#0	QPSK	24.45	-0.27	22.03	PASS
NVNT	Band5	3	20415	1	#Mid	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	3	20415	1	#Max	QPSK	24.35	-0.27	21.93	PASS
NVNT	Band5	3	20415	8	#0	QPSK	23.40	-0.27	20.98	PASS
NVNT	Band5	3	20415	8	#Mid	QPSK	23.35	-0.27	20.93	PASS
NVNT	Band5	3	20415	8	#Max	QPSK	23.37	-0.27	20.95	PASS
NVNT	Band5	3	20415	15	#0	QPSK	23.37	-0.27	20.95	PASS
NVNT	Band5	3	20415	1	#0	16QAM	23.85	-0.27	21.43	PASS
NVNT	Band5	3	20415	1	#Mid	16QAM	23.76	-0.27	21.34	PASS
NVNT	Band5	3	20415	1	#Max	16QAM	23.77	-0.27	21.35	PASS
NVNT	Band5	3	20415	8	#0	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	3	20415	8	#Mid	16QAM	22.37	-0.27	19.95	PASS
NVNT	Band5	3	20415	8	#Max	16QAM	22.38	-0.27	19.96	PASS
NVNT	Band5	3	20415	15	#0	16QAM	22.43	-0.27	20.01	PASS
NVNT	Band5	3	20525	1	#0	QPSK	24.39	-0.27	21.97	PASS
NVNT	Band5	3	20525	1	#Mid	QPSK	24.39	-0.27	21.97	PASS
NVNT	Band5	3	20525	1	#Max	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	3	20525	8	#0	QPSK	23.42	-0.27	21.00	PASS
NVNT	Band5	3	20525	8	#Mid	QPSK	23.41	-0.27	20.99	PASS
NVNT	Band5	3	20525	8	#Max	QPSK	23.37	-0.27	20.95	PASS
NVNT	Band5	3	20525	15	#0	QPSK	23.37	-0.27	20.95	PASS
NVNT	Band5	3	20525	1	#0	16QAM	23.63	-0.27	21.21	PASS
NVNT	Band5	3	20525	1	#Mid	16QAM	23.63	-0.27	21.21	PASS
NVNT	Band5	3	20525	1	#Max	16QAM	23.60	-0.27	21.18	PASS
NVNT	Band5	3	20525	8	#0	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	3	20525	8	#Mid	16QAM	22.42	-0.27	20.00	PASS
NVNT	Band5	3	20525	8	#Max	16QAM	22.36	-0.27	19.94	PASS
NVNT	Band5	3	20525	15	#0	16QAM	22.34	-0.27	19.92	PASS
NVNT	Band5	3	20635	1	#0	QPSK	24.35	-0.27	21.93	PASS
NVNT	Band5	3	20635	1	#Mid	QPSK	24.34	-0.27	21.92	PASS
NVNT	Band5	3	20635	1	#Max	QPSK	24.41	-0.27	21.99	PASS
NVNT	Band5	3	20635	8	#0	QPSK	23.38	-0.27	20.96	PASS
NVNT	Band5	3	20635	8	#Mid	QPSK	23.38	-0.27	20.96	PASS
NVNT	Band5	3	20635	8	#Max	QPSK	23.37	-0.27	20.95	PASS
NVNT	Band5	3	20635	15	#0	QPSK	23.36	-0.27	20.94	PASS

NVNT	Band5	3	20635	1	#0	16QAM	23.34	-0.27	20.92	PASS
NVNT	Band5	3	20635	1	#Mid	16QAM	23.29	-0.27	20.87	PASS
NVNT	Band5	3	20635	1	#Max	16QAM	23.31	-0.27	20.89	PASS
NVNT	Band5	3	20635	8	#0	16QAM	22.37	-0.27	19.95	PASS
NVNT	Band5	3	20635	8	#Mid	16QAM	22.37	-0.27	19.95	PASS
NVNT	Band5	3	20635	8	#Max	16QAM	22.36	-0.27	19.94	PASS
NVNT	Band5	3	20635	15	#0	16QAM	22.42	-0.27	20.00	PASS
NVNT	Band5	5	20425	1	#0	QPSK	24.46	-0.27	22.04	PASS
NVNT	Band5	5	20425	1	#Mid	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	5	20425	1	#Max	QPSK	24.35	-0.27	21.93	PASS
NVNT	Band5	5	20425	12	#0	QPSK	23.43	-0.27	21.01	PASS
NVNT	Band5	5	20425	12	#Mid	QPSK	23.41	-0.27	20.99	PASS
NVNT	Band5	5	20425	12	#Max	QPSK	23.44	-0.27	21.02	PASS
NVNT	Band5	5	20425	25	#0	QPSK	23.45	-0.27	21.03	PASS
NVNT	Band5	5	20425	1	#0	16QAM	23.82	-0.27	21.40	PASS
NVNT	Band5	5	20425	1	#Mid	16QAM	23.74	-0.27	21.32	PASS
NVNT	Band5	5	20425	1	#Max	16QAM	23.73	-0.27	21.31	PASS
NVNT	Band5	5	20425	12	#0	16QAM	22.50	-0.27	20.08	PASS
NVNT	Band5	5	20425	12	#Mid	16QAM	22.47	-0.27	20.05	PASS
NVNT	Band5	5	20425	12	#Max	16QAM	22.53	-0.27	20.11	PASS
NVNT	Band5	5	20425	25	#0	16QAM	22.42	-0.27	20.00	PASS
NVNT	Band5	5	20525	1	#0	QPSK	24.53	-0.27	22.11	PASS
NVNT	Band5	5	20525	1	#Mid	QPSK	24.54	-0.27	22.12	PASS
NVNT	Band5	5	20525	1	#Max	QPSK	24.52	-0.27	22.10	PASS
NVNT	Band5	5	20525	12	#0	QPSK	23.49	-0.27	21.07	PASS
NVNT	Band5	5	20525	12	#Mid	QPSK	23.45	-0.27	21.03	PASS
NVNT	Band5	5	20525	12	#Max	QPSK	23.42	-0.27	21.00	PASS
NVNT	Band5	5	20525	25	#0	QPSK	23.49	-0.27	21.07	PASS
NVNT	Band5	5	20525	1	#0	16QAM	24.02	-0.27	21.60	PASS
NVNT	Band5	5	20525	1	#Mid	16QAM	24.04	-0.27	21.62	PASS
NVNT	Band5	5	20525	1	#Max	16QAM	24.01	-0.27	21.59	PASS
NVNT	Band5	5	20525	12	#0	16QAM	22.51	-0.27	20.09	PASS
NVNT	Band5	5	20525	12	#Mid	16QAM	22.47	-0.27	20.05	PASS
NVNT	Band5	5	20525	12	#Max	16QAM	22.45	-0.27	20.03	PASS
NVNT	Band5	5	20525	25	#0	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	5	20625	1	#0	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	5	20625	1	#Mid	QPSK	24.40	-0.27	21.98	PASS
NVNT	Band5	5	20625	1	#Max	QPSK	24.46	-0.27	22.04	PASS
NVNT	Band5	5	20625	12	#0	QPSK	23.44	-0.27	21.02	PASS
NVNT	Band5	5	20625	12	#Mid	QPSK	23.40	-0.27	20.98	PASS
NVNT	Band5	5	20625	12	#Max	QPSK	23.39	-0.27	20.97	PASS
NVNT	Band5	5	20625	25	#0	QPSK	23.44	-0.27	21.02	PASS

NVNT	Band5	5	20625	1	#0	16QAM	23.81	-0.27	21.39	PASS
NVNT	Band5	5	20625	1	#Mid	16QAM	23.77	-0.27	21.35	PASS
NVNT	Band5	5	20625	1	#Max	16QAM	23.84	-0.27	21.42	PASS
NVNT	Band5	5	20625	12	#0	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	5	20625	12	#Mid	16QAM	22.39	-0.27	19.97	PASS
NVNT	Band5	5	20625	12	#Max	16QAM	22.36	-0.27	19.94	PASS
NVNT	Band5	5	20625	25	#0	16QAM	22.46	-0.27	20.04	PASS
NVNT	Band5	10	20450	1	#0	QPSK	24.47	-0.27	22.05	PASS
NVNT	Band5	10	20450	1	#Mid	QPSK	24.41	-0.27	21.99	PASS
NVNT	Band5	10	20450	1	#Max	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	10	20450	25	#0	QPSK	23.40	-0.27	20.98	PASS
NVNT	Band5	10	20450	25	#Mid	QPSK	23.42	-0.27	21.00	PASS
NVNT	Band5	10	20450	25	#Max	QPSK	23.46	-0.27	21.04	PASS
NVNT	Band5	10	20450	50	#0	QPSK	23.42	-0.27	21.00	PASS
NVNT	Band5	10	20450	1	#0	16QAM	23.35	-0.27	20.93	PASS
NVNT	Band5	10	20450	1	#Mid	16QAM	23.33	-0.27	20.91	PASS
NVNT	Band5	10	20450	1	#Max	16QAM	23.29	-0.27	20.87	PASS
NVNT	Band5	10	20450	25	#0	16QAM	22.37	-0.27	19.95	PASS
NVNT	Band5	10	20450	25	#Mid	16QAM	22.40	-0.27	19.98	PASS
NVNT	Band5	10	20450	25	#Max	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	10	20450	50	#0	16QAM	22.37	-0.27	19.95	PASS
NVNT	Band5	10	20525	1	#0	QPSK	24.37	-0.27	21.95	PASS
NVNT	Band5	10	20525	1	#Mid	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	10	20525	1	#Max	QPSK	24.41	-0.27	21.99	PASS
NVNT	Band5	10	20525	25	#0	QPSK	23.47	-0.27	21.05	PASS
NVNT	Band5	10	20525	25	#Mid	QPSK	23.49	-0.27	21.07	PASS
NVNT	Band5	10	20525	25	#Max	QPSK	23.45	-0.27	21.03	PASS
NVNT	Band5	10	20525	50	#0	QPSK	23.44	-0.27	21.02	PASS
NVNT	Band5	10	20525	1	#0	16QAM	23.87	-0.27	21.45	PASS
NVNT	Band5	10	20525	1	#Mid	16QAM	23.89	-0.27	21.47	PASS
NVNT	Band5	10	20525	1	#Max	16QAM	23.88	-0.27	21.46	PASS
NVNT	Band5	10	20525	25	#0	16QAM	22.47	-0.27	20.05	PASS
NVNT	Band5	10	20525	25	#Mid	16QAM	22.49	-0.27	20.07	PASS
NVNT	Band5	10	20525	25	#Max	16QAM	22.44	-0.27	20.02	PASS
NVNT	Band5	10	20525	50	#0	16QAM	22.43	-0.27	20.01	PASS
NVNT	Band5	10	20600	1	#0	QPSK	24.43	-0.27	22.01	PASS
NVNT	Band5	10	20600	1	#Mid	QPSK	24.36	-0.27	21.94	PASS
NVNT	Band5	10	20600	1	#Max	QPSK	24.37	-0.27	21.95	PASS
NVNT	Band5	10	20600	25	#0	QPSK	23.44	-0.27	21.02	PASS
NVNT	Band5	10	20600	25	#Mid	QPSK	23.45	-0.27	21.03	PASS
NVNT	Band5	10	20600	25	#Max	QPSK	23.44	-0.27	21.02	PASS
NVNT	Band5	10	20600	50	#0	QPSK	23.46	-0.27	21.04	PASS

NVNT	Band5	10	20600	1	#0	16QAM	23.63	-0.27	21.21	PASS
NVNT	Band5	10	20600	1	#Mid	16QAM	23.59	-0.27	21.17	PASS
NVNT	Band5	10	20600	1	#Max	16QAM	23.61	-0.27	21.19	PASS
NVNT	Band5	10	20600	25	#0	16QAM	22.41	-0.27	19.99	PASS
NVNT	Band5	10	20600	25	#Mid	16QAM	22.42	-0.27	20.00	PASS
NVNT	Band5	10	20600	25	#Max	16QAM	22.45	-0.27	20.03	PASS
NVNT	Band5	10	20600	50	#0	16QAM	22.49	-0.27	20.07	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 5	1.4	20407	6	#0	QPSK	LV	NT	1.63	0.002	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	NT	-6.27	-0.008	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	HV	NT	-2.56	-0.003	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	LV	NT	-2.57	-0.003	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	NT	-1.43	-0.002	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	HV	NT	0.24	0.000	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	LV	NT	-4.76	-0.006	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	NT	-4.12	-0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	HV	NT	0.20	0.000	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	LV	NT	-0.06	0.000	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	NT	-5.31	-0.006	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	HV	NT	-5.16	-0.006	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	LV	NT	-5.21	-0.006	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	NT	-5.64	-0.007	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	HV	NT	-3.81	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	LV	NT	-3.72	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	NT	0.26	0.000	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	HV	NT	-1.63	-0.002	PASS

NVNT	Band 5	3	20415	15	#0	QPSK	LV	NT	-3.23	-0.004	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	NT	-3.73	-0.005	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	HV	NT	-5.88	-0.007	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	LV	NT	-4.03	-0.005	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	NT	0.46	0.001	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	HV	NT	0.03	0.000	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	LV	NT	-4.12	-0.005	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	NT	-3.53	-0.004	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	HV	NT	-1.03	-0.001	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	LV	NT	-0.83	-0.001	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	NT	-2.99	-0.004	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	HV	NT	-0.51	-0.001	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	LV	NT	-2.70	-0.003	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	NT	-3.18	-0.004	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	HV	NT	-4.76	-0.006	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	LV	NT	-2.90	-0.003	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	NT	-1.85	-0.002	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	HV	NT	-1.24	-0.001	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	LV	NT	-1.07	-0.001	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	NT	-4.18	-0.005	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	HV	NT	-3.10	-0.004	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	LV	NT	0.03	0.000	PASS

	5										
NVNT	Band 5	5	20425	25	#0	16QAM	NV	NT	-0.94	-0.001	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	HV	NT	1.99	0.002	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	LV	NT	0.43	0.001	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	NT	-1.63	-0.002	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	HV	NT	-6.31	-0.008	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	LV	NT	-3.62	-0.004	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	NT	-2.47	-0.003	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	HV	NT	-2.93	-0.004	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	LV	NT	-3.18	-0.004	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	NT	-4.46	-0.005	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	HV	NT	-6.44	-0.008	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	LV	NT	-2.33	-0.003	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	NT	-1.39	-0.002	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	HV	NT	-1.62	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	LV	NT	-1.52	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	NT	-3.38	-0.004	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	HV	NT	-2.69	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	LV	NT	-1.72	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	NT	-2.63	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	HV	NT	-0.62	-0.001	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	LV	NT	-4.68	-0.006	PASS

NVNT	Band 5	10	20525	50	#0	QPSK	NV	NT	-3.60	-0.004	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	HV	NT	-4.61	-0.006	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	LV	NT	-6.88	-0.008	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	NT	-1.36	-0.002	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	HV	NT	-4.65	-0.006	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	LV	NT	-4.76	-0.006	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	NT	-3.18	-0.004	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	HV	NT	-3.33	-0.004	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	LV	NT	-3.36	-0.004	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	NT	-1.20	-0.001	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	HV	NT	-6.11	-0.007	PASS

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	-30	-5.94	-0.007	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	-20	-5.82	-0.007	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	0	1.16	0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	10	-1.53	-0.002	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	20	-1.86	-0.002	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	30	1.06	0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	40	-3.38	-0.004	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	50	-0.60	-0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-30	-6.11	-0.007	PASS

	5										
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-20	-2.79	-0.003	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	0	-0.26	0.000	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	10	-0.74	-0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	20	0.51	0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	30	-2.16	-0.003	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	40	-3.13	-0.004	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	50	1.67	0.002	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-30	-7.47	-0.009	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-20	-5.16	-0.006	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	0	-4.12	-0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	10	1.79	0.002	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	20	-0.36	0.000	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	30	-4.19	-0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	40	-1.66	-0.002	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	50	3.32	0.004	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-30	-5.88	-0.007	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-20	-0.43	-0.001	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	0	1.07	0.001	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	10	-7.14	-0.009	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	20	-3.72	-0.004	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	30	2.36	0.003	PASS

NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	40	2.03	0.002	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	50	-3.12	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-30	8.34	0.010	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-20	8.15	0.010	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	0	0.72	0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	10	2.60	0.003	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	20	0.64	0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	30	3.40	0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	40	-2.53	-0.003	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	50	0.73	0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-30	-3.09	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-20	1.60	0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	0	-4.41	-0.005	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	10	-1.29	-0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	20	-5.85	-0.007	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	30	-7.35	-0.009	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	40	-4.28	-0.005	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	50	0.20	0.000	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-30	-6.52	-0.008	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-20	-7.21	-0.009	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	0	-2.00	-0.002	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	10	-1.16	-0.001	PASS

	5										
NVNT	Band 5	3	20415	15	#0	QPSK	NV	20	-2.10	-0.003	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	30	-0.53	-0.001	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	40	0.56	0.001	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	50	-0.19	0.000	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-30	-2.03	-0.002	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-20	1.59	0.002	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	0	-0.10	0.000	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	10	-4.46	-0.005	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	20	-4.41	-0.005	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	30	-3.49	-0.004	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	40	-5.25	-0.006	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	50	-5.14	-0.006	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-30	1.77	0.002	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-20	0.54	0.001	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	0	3.95	0.005	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	10	0.47	0.001	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	20	-3.09	-0.004	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	30	-2.36	-0.003	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	40	0.76	0.001	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	50	-0.89	-0.001	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	-30	1.06	0.001	PASS

NVNT	Band 5	3	20525	15	#0	16QAM	NV	-20	-3.75	-0.004	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	0	-5.15	-0.006	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	10	-4.29	-0.005	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	20	-5.68	-0.007	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	30	-2.52	-0.003	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	40	-1.34	-0.002	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	50	2.32	0.003	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-30	-1.26	-0.001	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-20	-5.08	-0.006	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	0	4.59	0.005	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	10	2.22	0.003	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	20	3.35	0.004	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	30	2.98	0.004	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	40	2.02	0.002	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	50	-0.27	0.000	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-30	2.42	0.003	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-20	-0.36	0.000	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	0	-4.56	-0.005	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	10	1.00	0.001	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	20	-3.15	-0.004	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	30	0.31	0.000	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	40	1.96	0.002	PASS

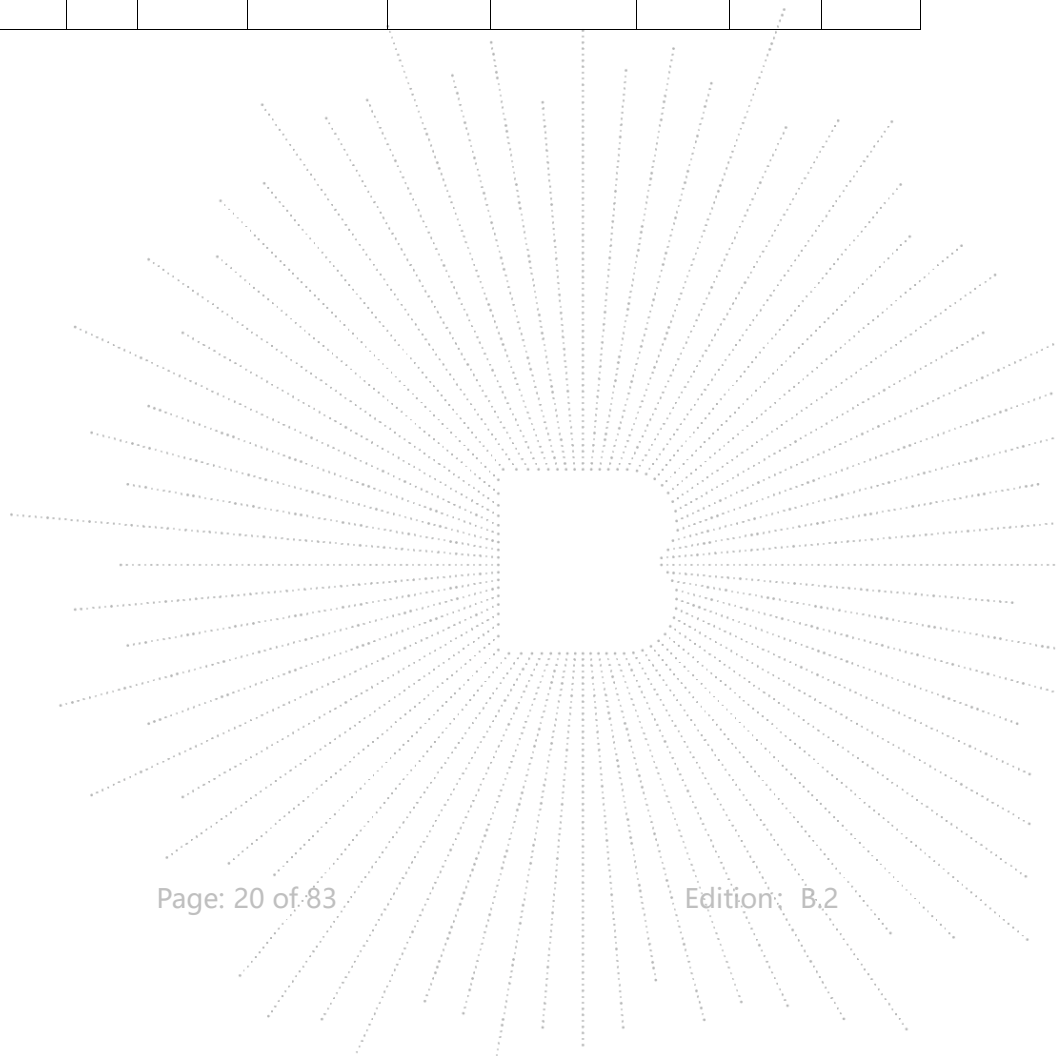
	5										
NVNT	Band 5	3	20635	15	#0	16QAM	NV	50	2.53	0.003	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	-30	-6.49	-0.008	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	-20	-2.85	-0.003	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	0	-1.14	-0.001	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	10	-2.83	-0.003	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	20	-0.04	0.000	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	30	-3.62	-0.004	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	40	-0.34	0.000	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	50	-5.78	-0.007	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-30	-2.05	-0.002	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-20	0.31	0.000	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	0	2.53	0.003	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	10	-2.22	-0.003	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	20	-2.02	-0.002	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	30	-2.82	-0.003	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	40	-0.53	-0.001	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	50	-4.43	-0.005	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-30	-4.91	-0.006	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-20	-2.76	-0.003	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	0	-4.65	-0.006	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	10	0.79	0.001	PASS

NVNT	Band 5	5	20525	25	#0	QPSK	NV	20	-2.68	-0.003	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	30	-0.53	-0.001	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	40	-0.13	0.000	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	50	-1.92	-0.002	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-30	-5.26	-0.006	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-20	0.41	0.000	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	0	-3.72	-0.004	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	10	-3.00	-0.004	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	20	-0.82	-0.001	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	30	-2.03	-0.002	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	40	-2.79	-0.003	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	50	-1.77	-0.002	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-30	-7.18	-0.008	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-20	-5.15	-0.006	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	0	-0.94	-0.001	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	10	-1.46	-0.002	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	20	-0.16	0.000	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	30	2.40	0.003	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	40	-5.94	-0.007	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	50	-5.02	-0.006	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-30	-2.99	-0.004	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-20	-4.96	-0.006	PASS

	5										
NVNT	Band 5	5	20625	25	#0	16QAM	NV	0	-1.30	-0.002	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	10	-5.16	-0.006	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	20	-3.48	-0.004	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	30	1.02	0.001	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	40	-8.25	-0.010	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	50	-4.11	-0.005	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-30	-1.16	-0.001	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-20	-3.85	-0.005	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	0	-2.88	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	10	-2.89	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	20	-1.82	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	30	-3.15	-0.004	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	40	-3.39	-0.004	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	50	-2.42	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-30	-3.71	-0.004	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-20	-3.95	-0.005	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	0	-1.86	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	10	-4.01	-0.005	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	20	3.28	0.004	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	30	-2.46	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	40	-2.52	-0.003	PASS

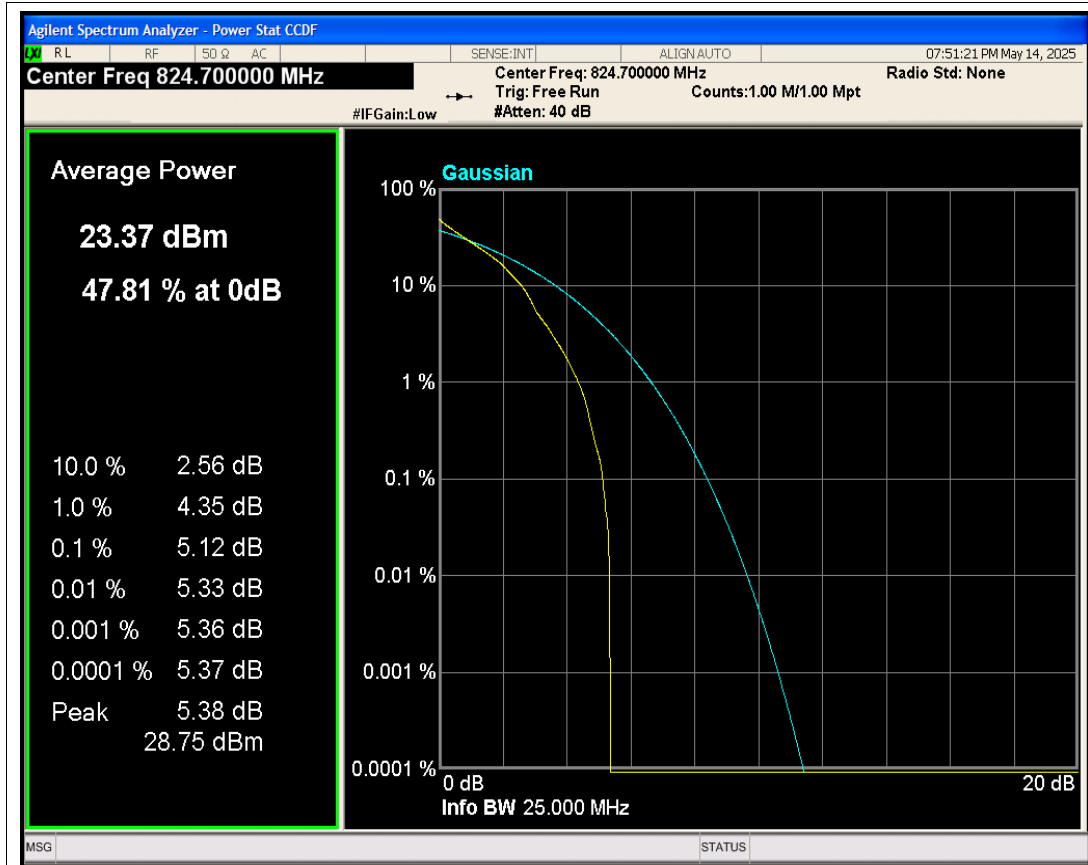
NVNT	Band 5	10	20450	50	#0	16QAM	NV	50	-9.11	-0.011	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-30	-3.56	-0.004	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-20	-1.34	-0.002	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	0	-1.44	-0.002	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	10	-2.07	-0.002	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	20	-0.64	-0.001	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	30	-4.95	-0.006	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	40	-1.93	-0.002	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	50	-5.61	-0.007	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-30	-4.66	-0.006	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-20	-0.43	-0.001	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	0	-4.71	-0.006	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	10	-4.28	-0.005	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	20	0.14	0.000	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	30	-0.13	0.000	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	40	-2.10	-0.003	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	50	-3.81	-0.005	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-30	-5.49	-0.007	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-20	-5.97	-0.007	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	0	-1.56	-0.002	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	10	-2.20	-0.003	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	20	-0.20	0.000	PASS

	5										
NVNT	Band 5	10	20600	50	#0	QPSK	NV	30	-4.21	-0.005	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	40	-0.97	-0.001	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	50	-6.81	-0.008	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-30	-7.22	-0.009	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-20	-4.95	-0.006	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	0	0.76	0.001	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	10	-7.80	-0.009	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	20	-2.39	-0.003	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	30	-4.51	-0.005	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	40	-3.65	-0.004	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	50	-0.41	0.000	PASS

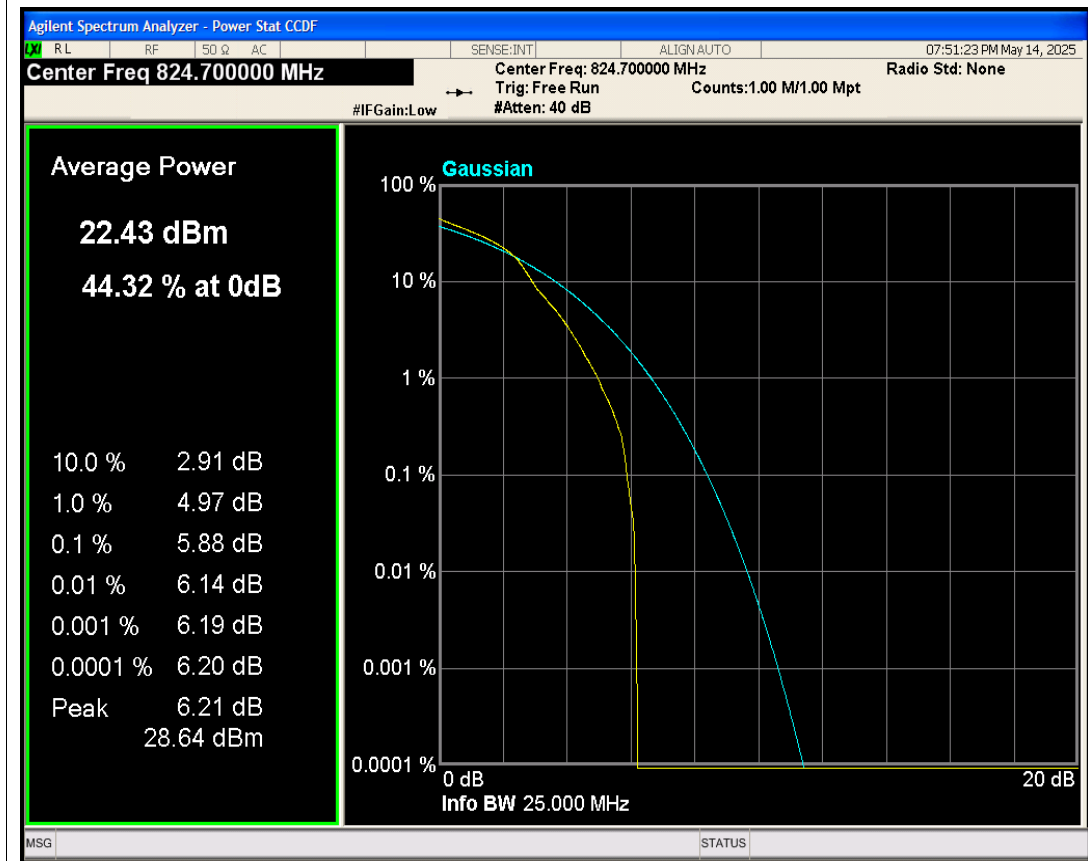


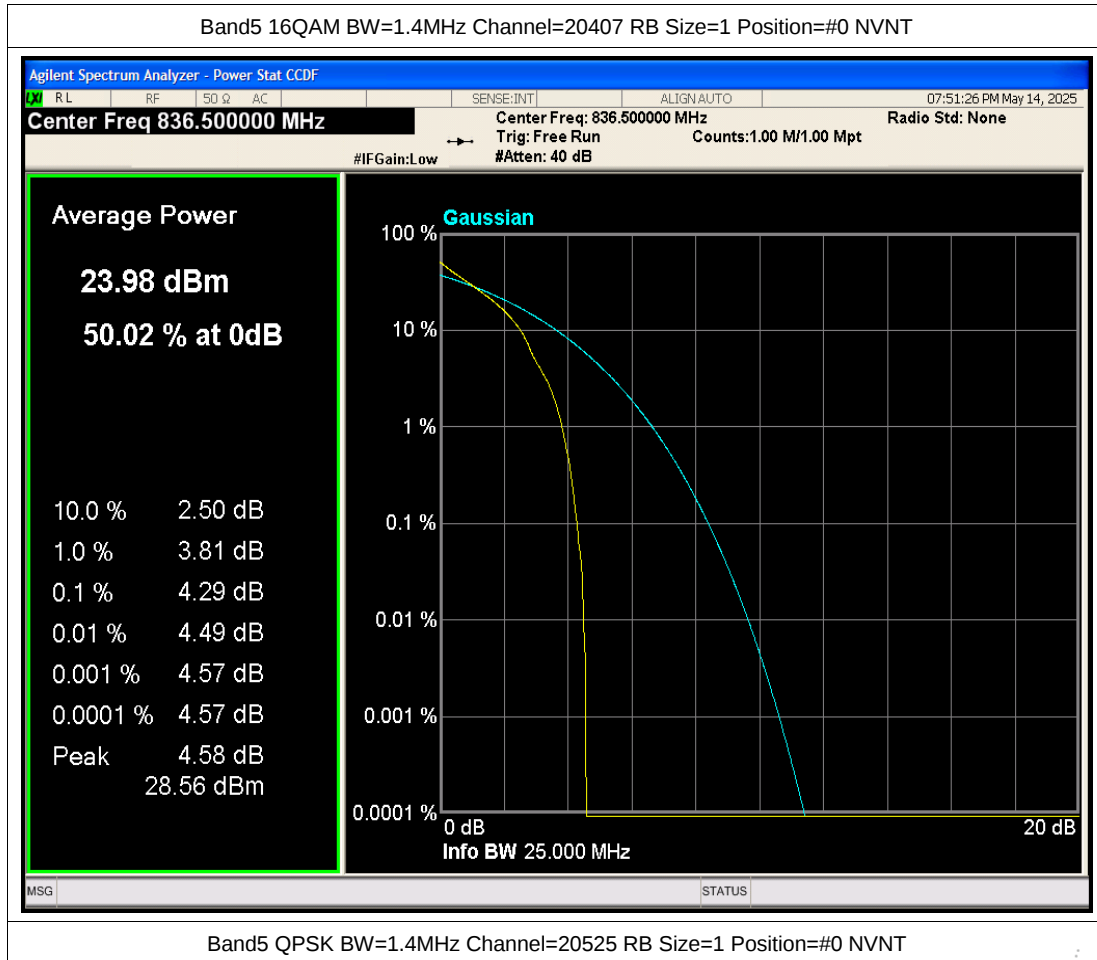
Appendix 3.Peak-to-Average Ratio

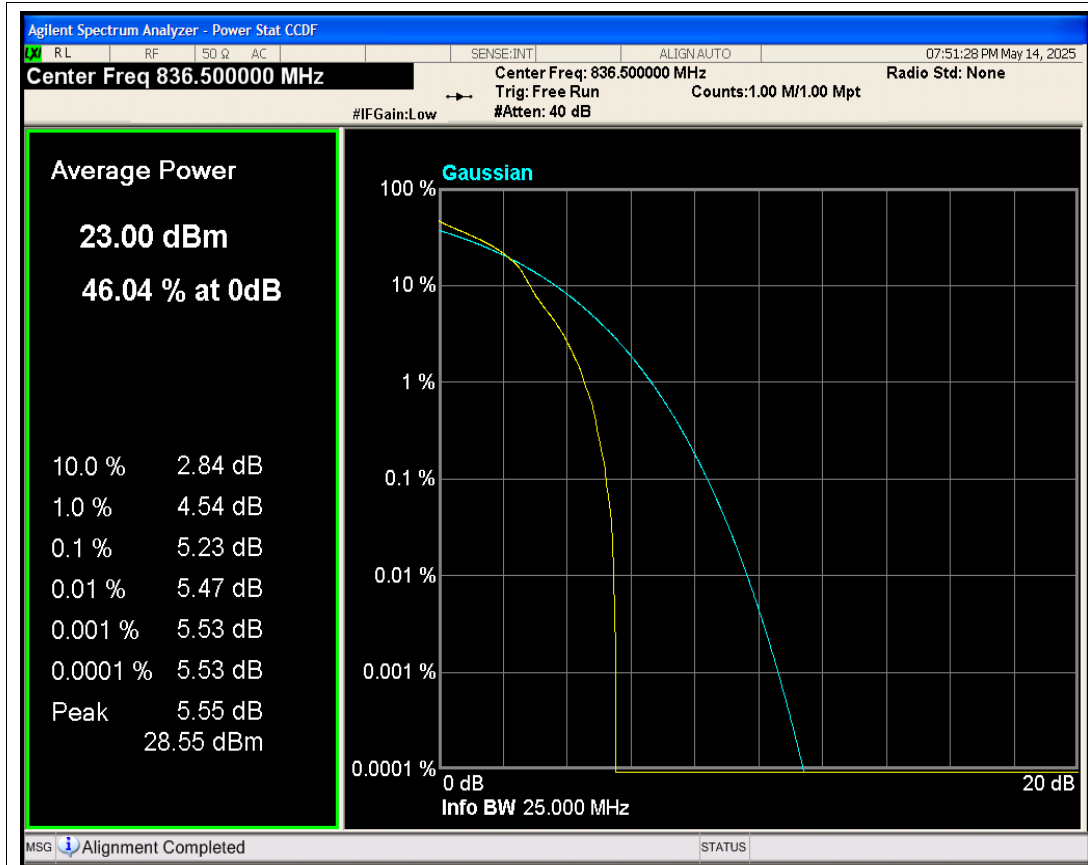
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	5.12	13	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	5.88	13	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	4.29	13	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	5.23	13	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	3.62	13	PASS
NVNT	Band5	1.4	20643	1	#0	16QAM	4.37	13	PASS
NVNT	Band5	3	20415	1	#0	QPSK	4.99	13	PASS
NVNT	Band5	3	20415	1	#0	16QAM	5.88	13	PASS
NVNT	Band5	3	20525	1	#0	QPSK	4.07	13	PASS
NVNT	Band5	3	20525	1	#0	16QAM	4.93	13	PASS
NVNT	Band5	3	20635	1	#0	QPSK	3.00	13	PASS
NVNT	Band5	3	20635	1	#0	16QAM	3.72	13	PASS
NVNT	Band5	5	20425	1	#0	QPSK	5.13	13	PASS
NVNT	Band5	5	20425	1	#0	16QAM	5.79	13	PASS
NVNT	Band5	5	20525	1	#0	QPSK	3.77	13	PASS
NVNT	Band5	5	20525	1	#0	16QAM	4.47	13	PASS
NVNT	Band5	5	20625	1	#0	QPSK	3.19	13	PASS
NVNT	Band5	5	20625	1	#0	16QAM	3.95	13	PASS
NVNT	Band5	10	20450	1	#0	QPSK	5.02	13	PASS
NVNT	Band5	10	20450	1	#0	16QAM	5.90	13	PASS
NVNT	Band5	10	20525	1	#0	QPSK	4.13	13	PASS
NVNT	Band5	10	20525	1	#0	16QAM	5.06	13	PASS
NVNT	Band5	10	20600	1	#0	QPSK	5.13	13	PASS
NVNT	Band5	10	20600	1	#0	16QAM	5.77	13	PASS



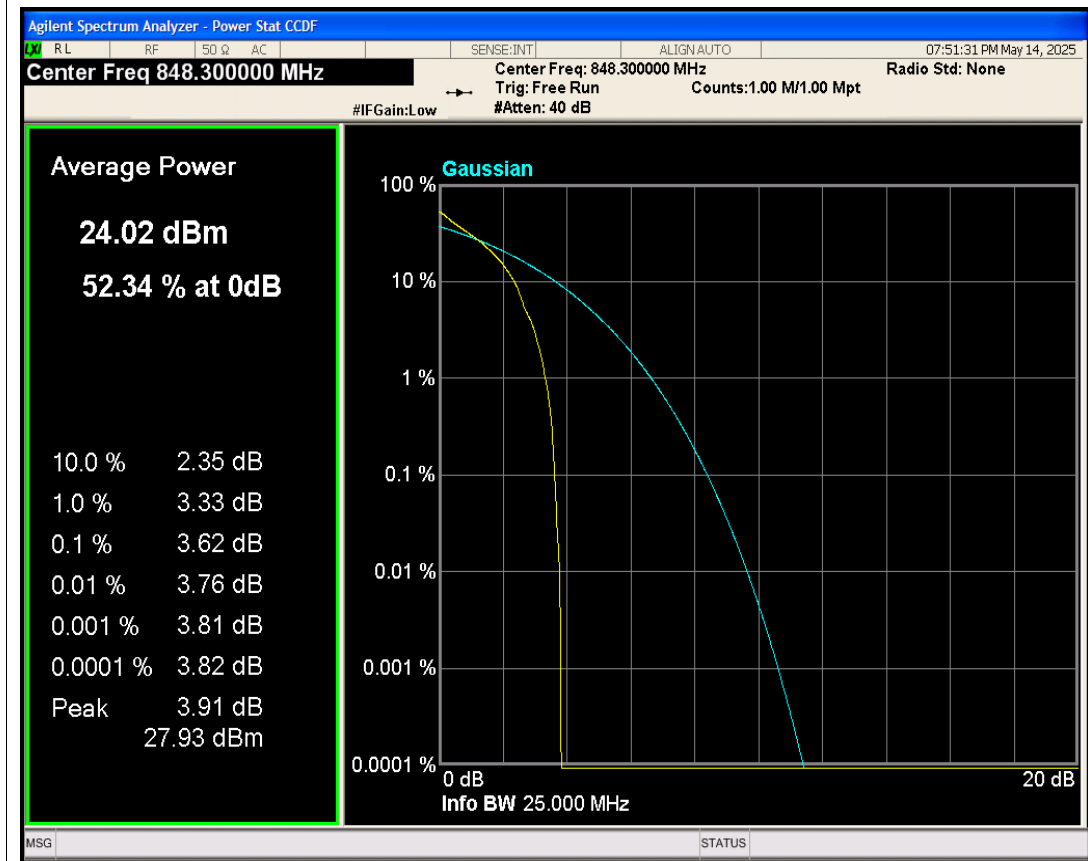
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT

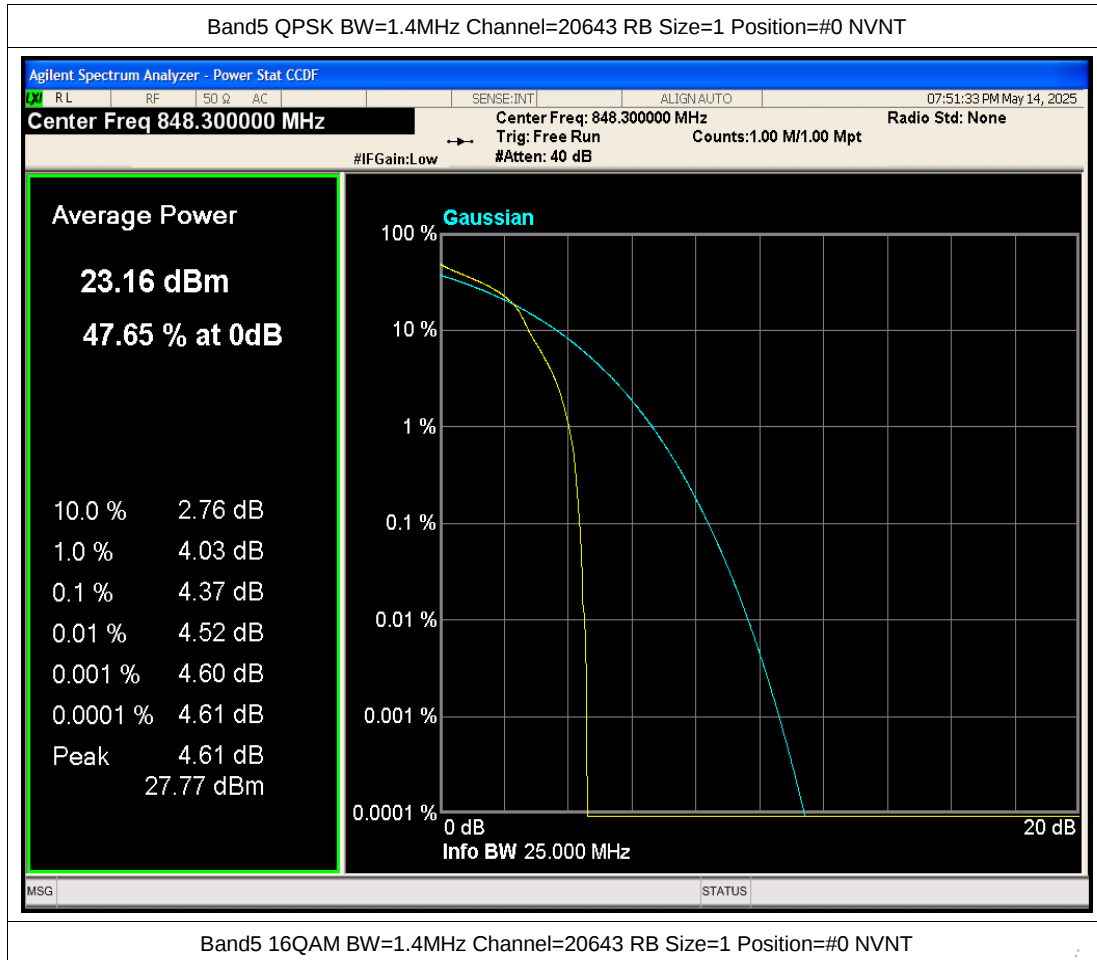


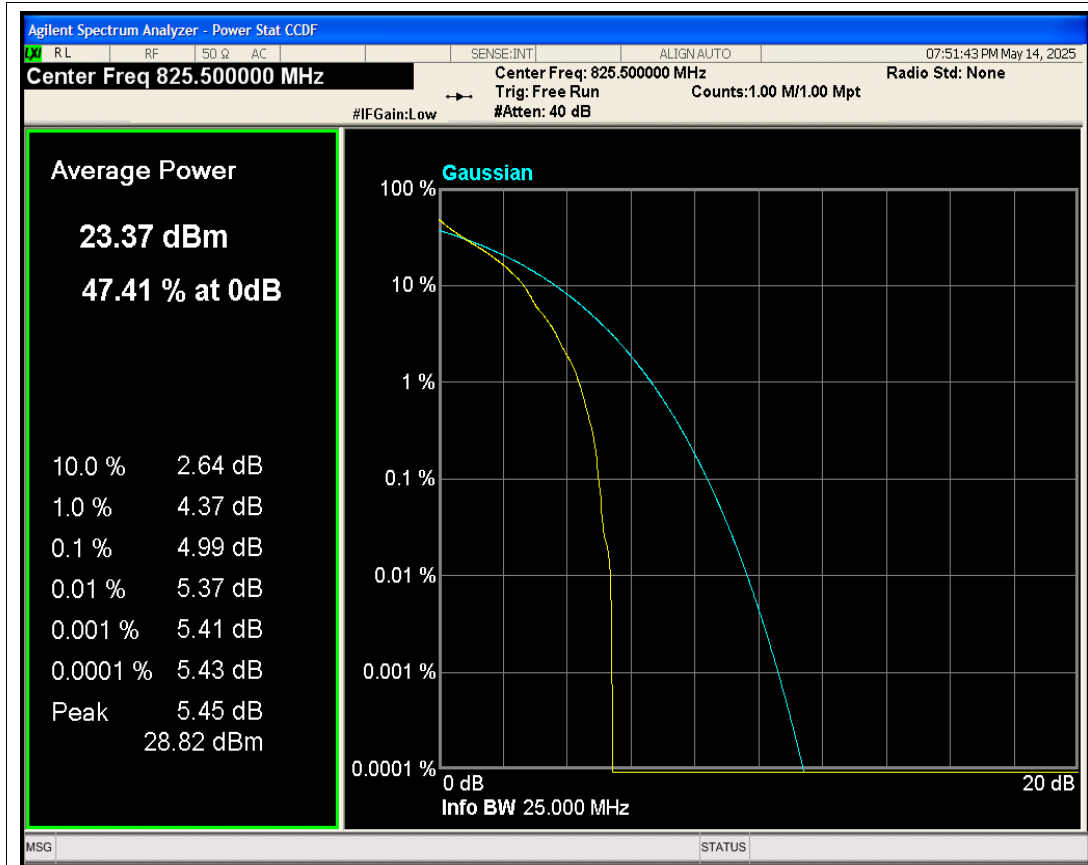




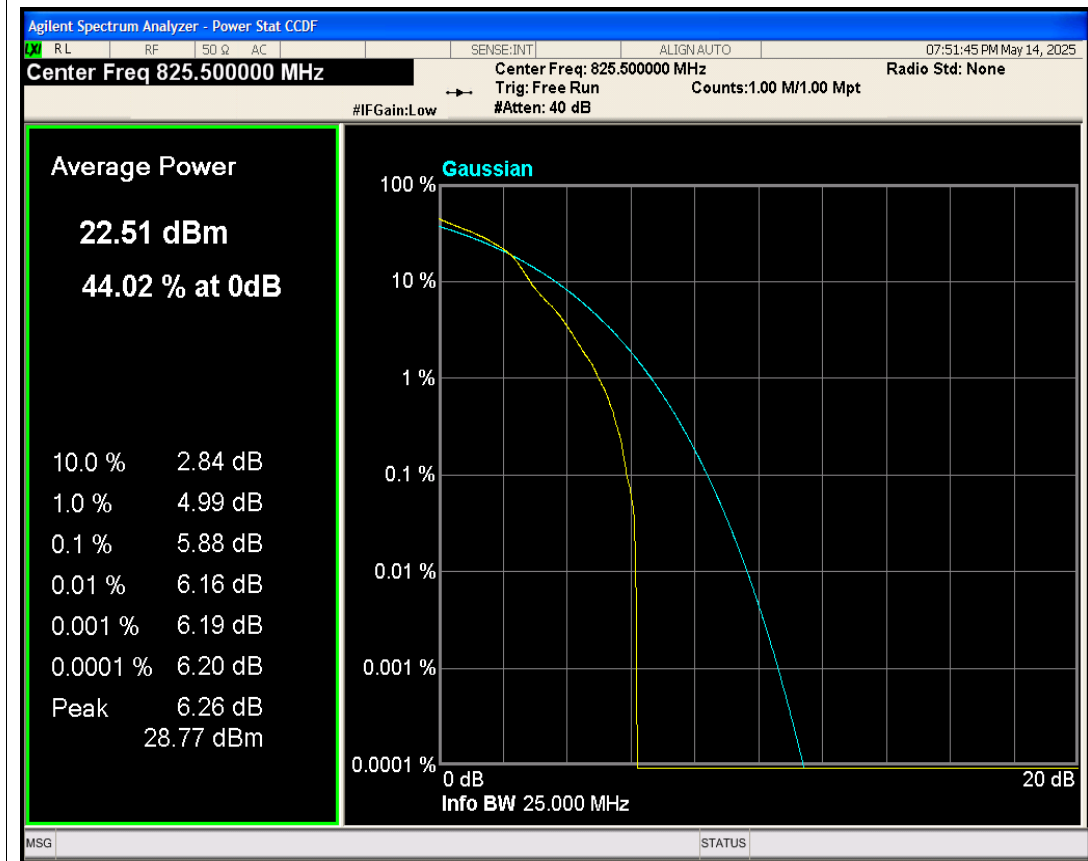
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT

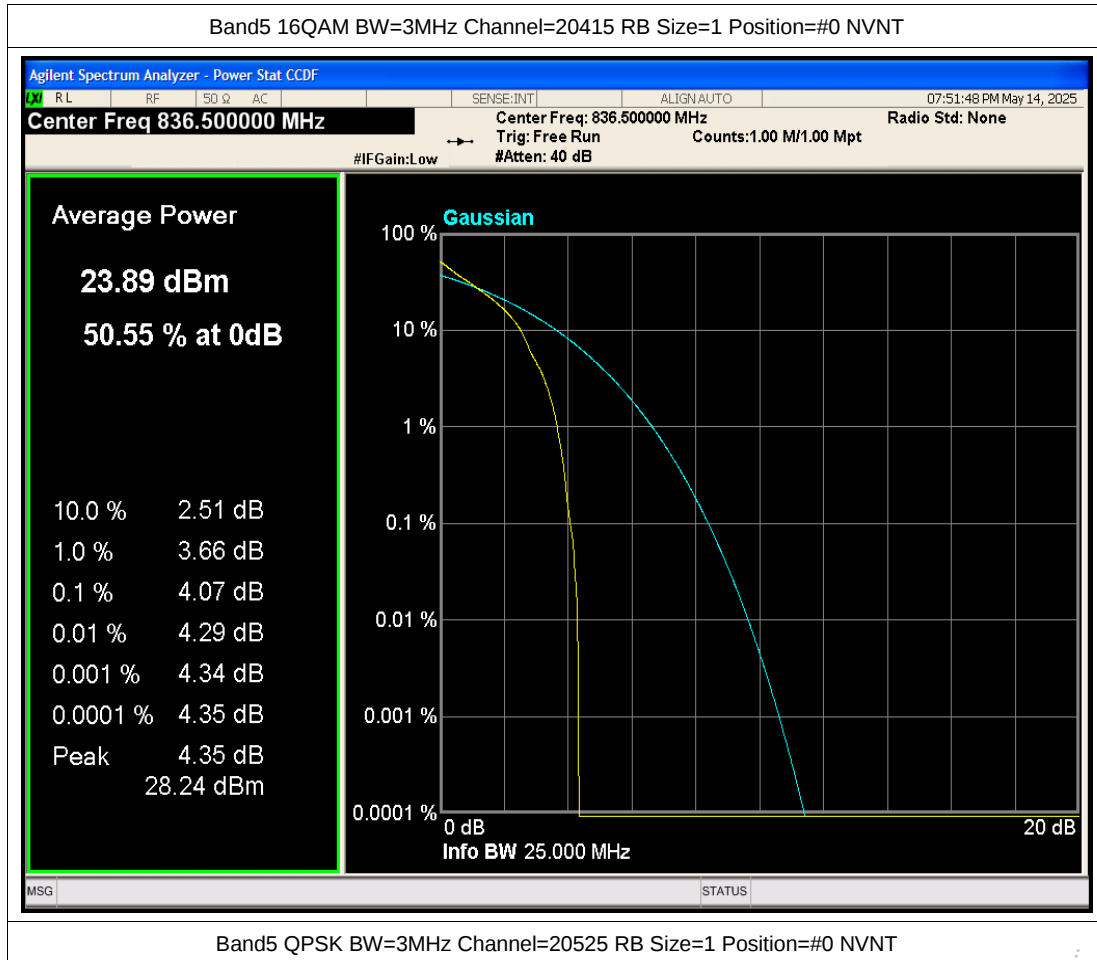


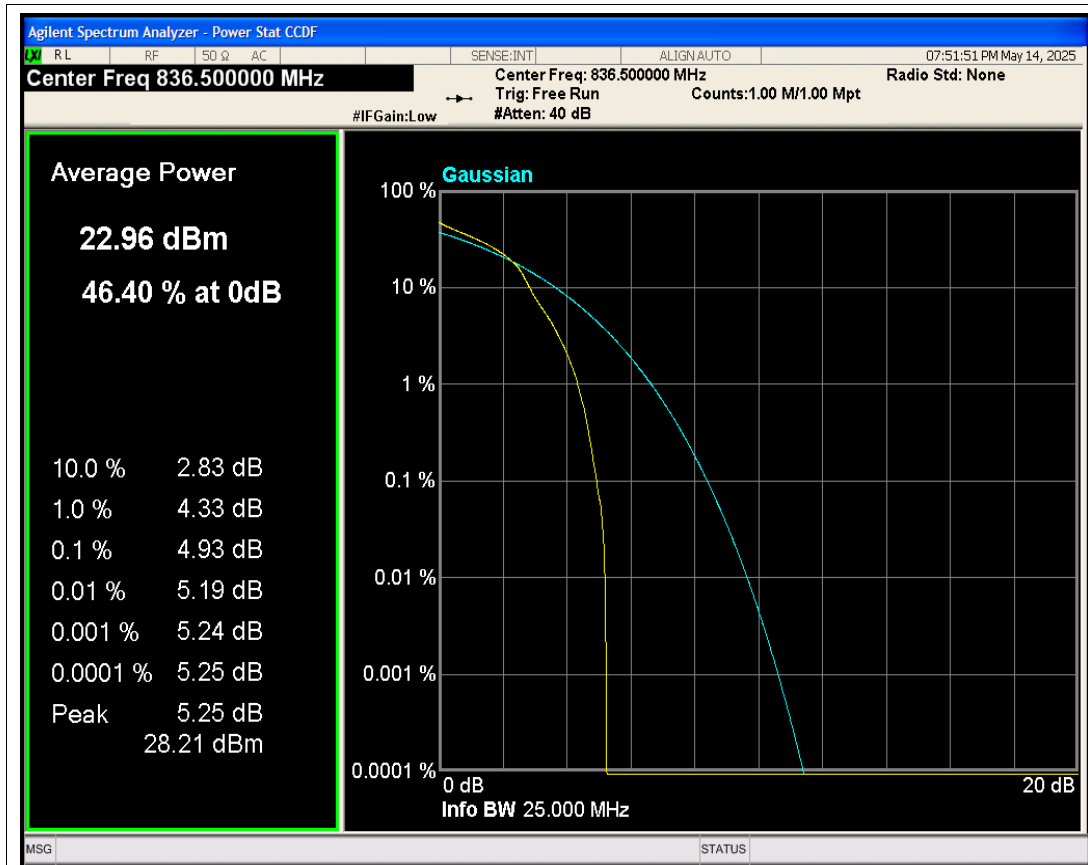




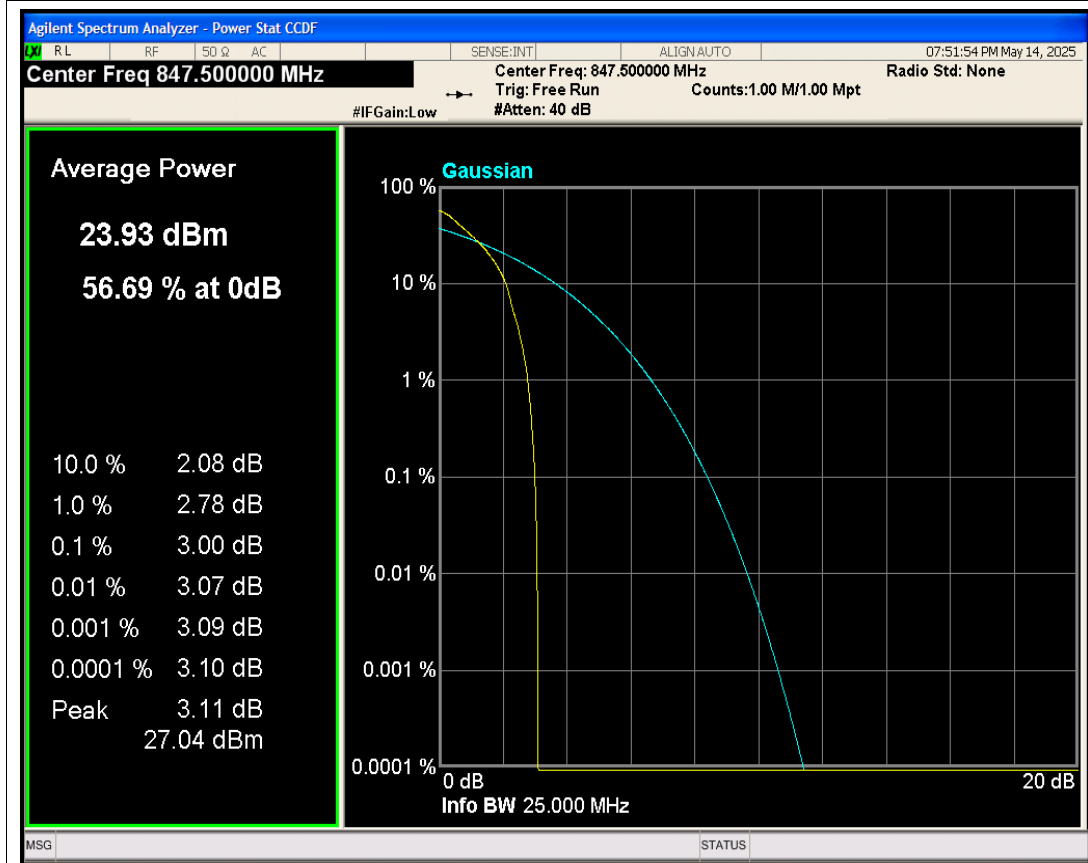
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 NVNT

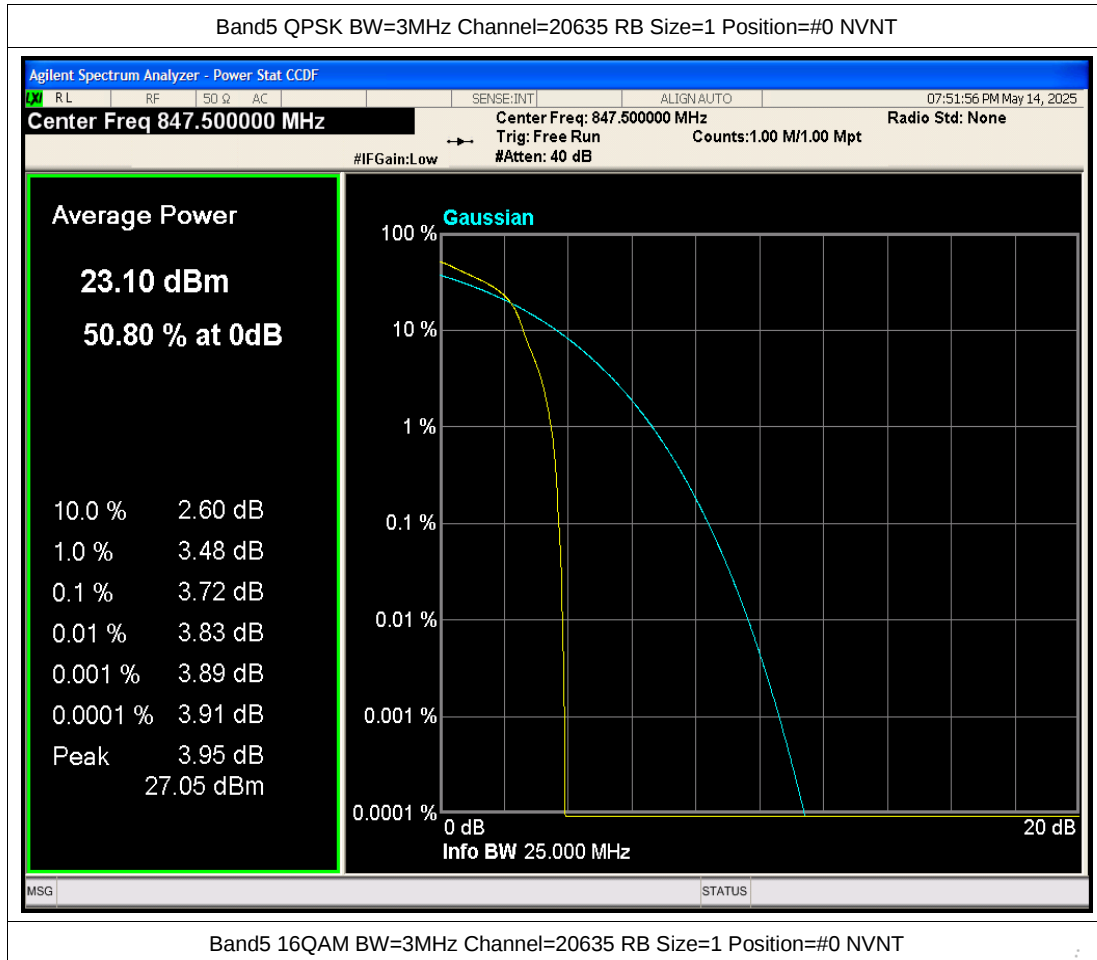


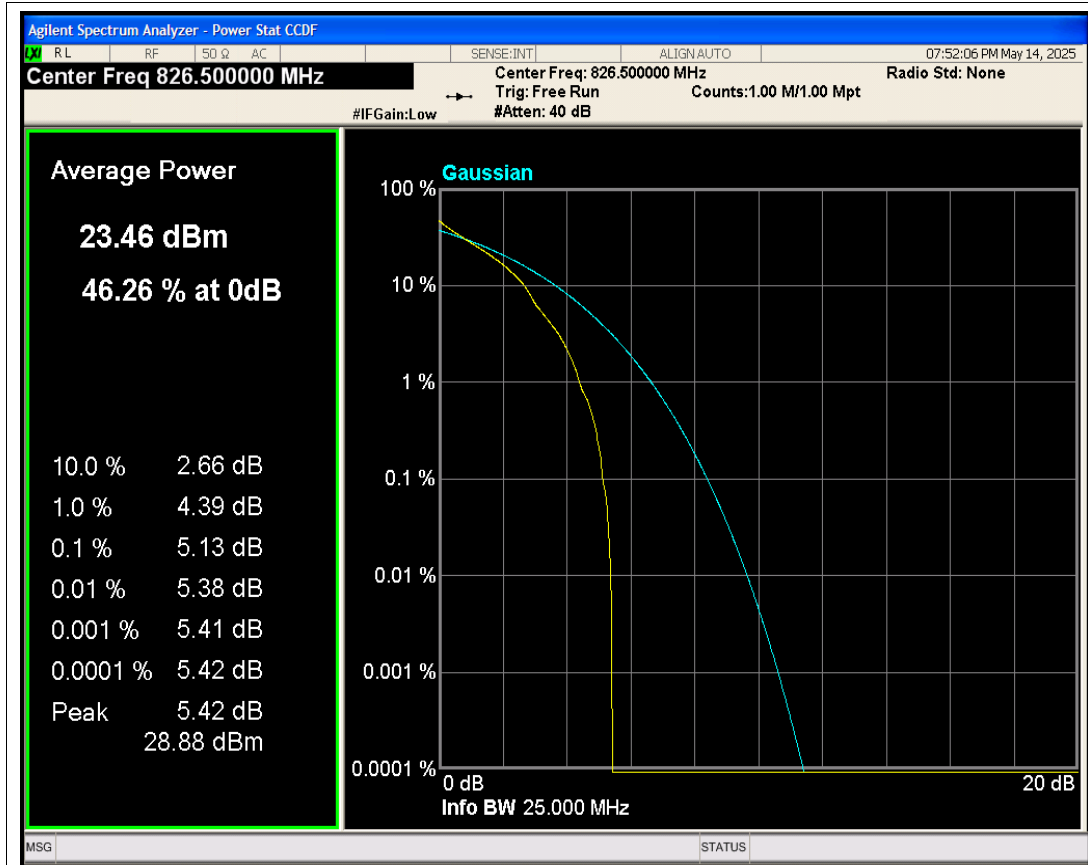




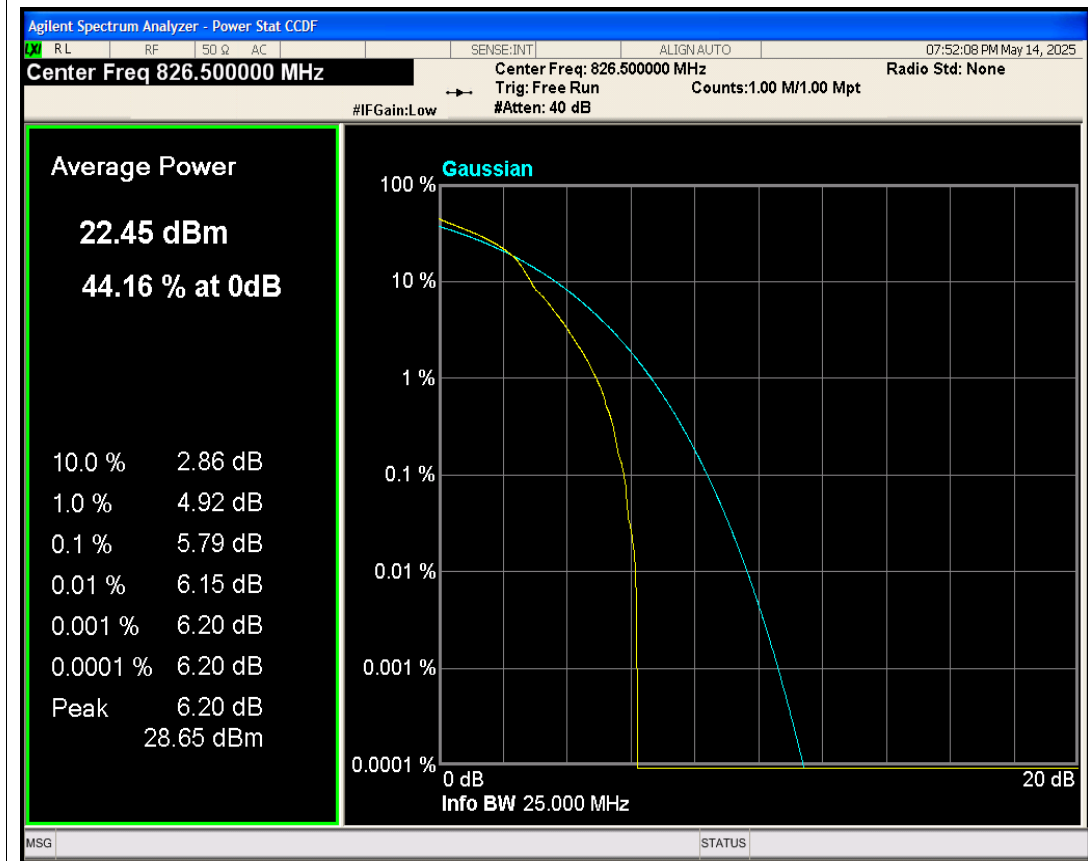
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT

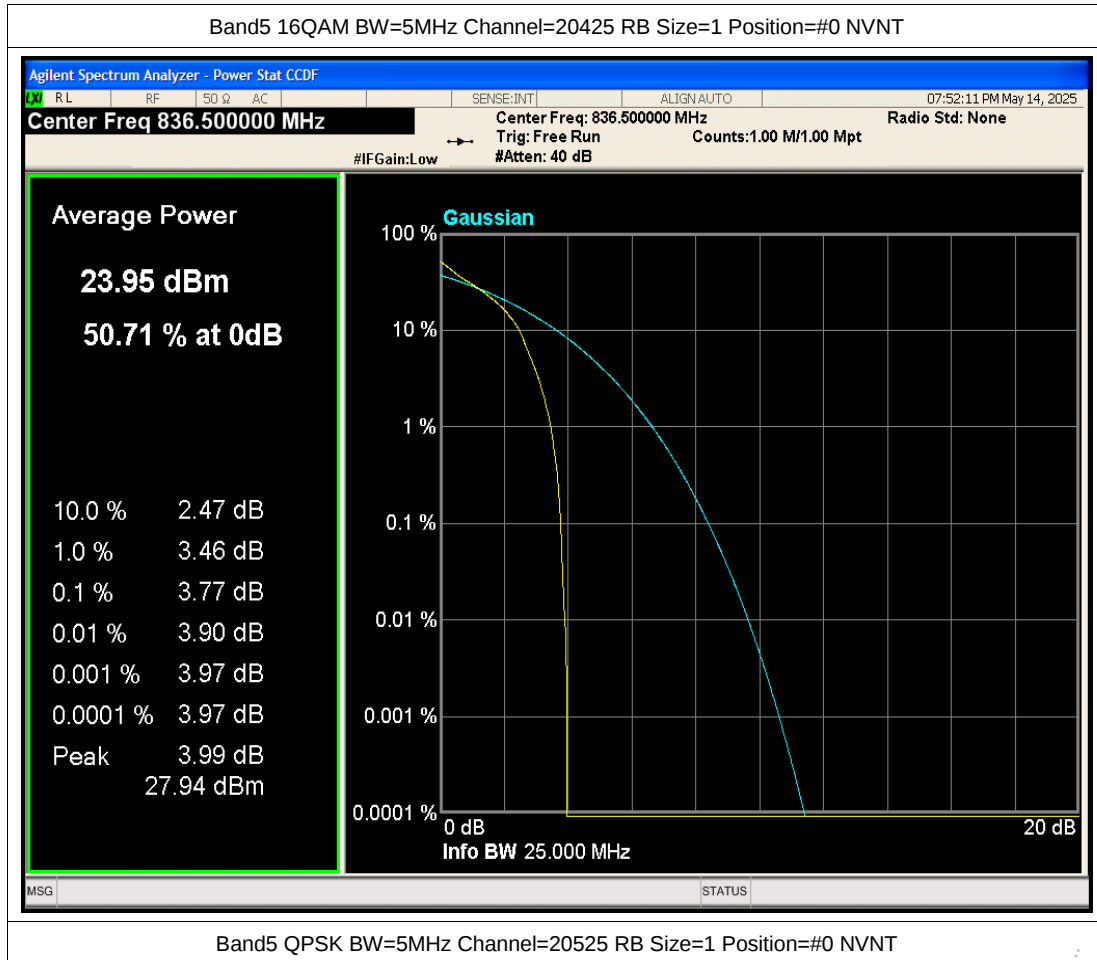






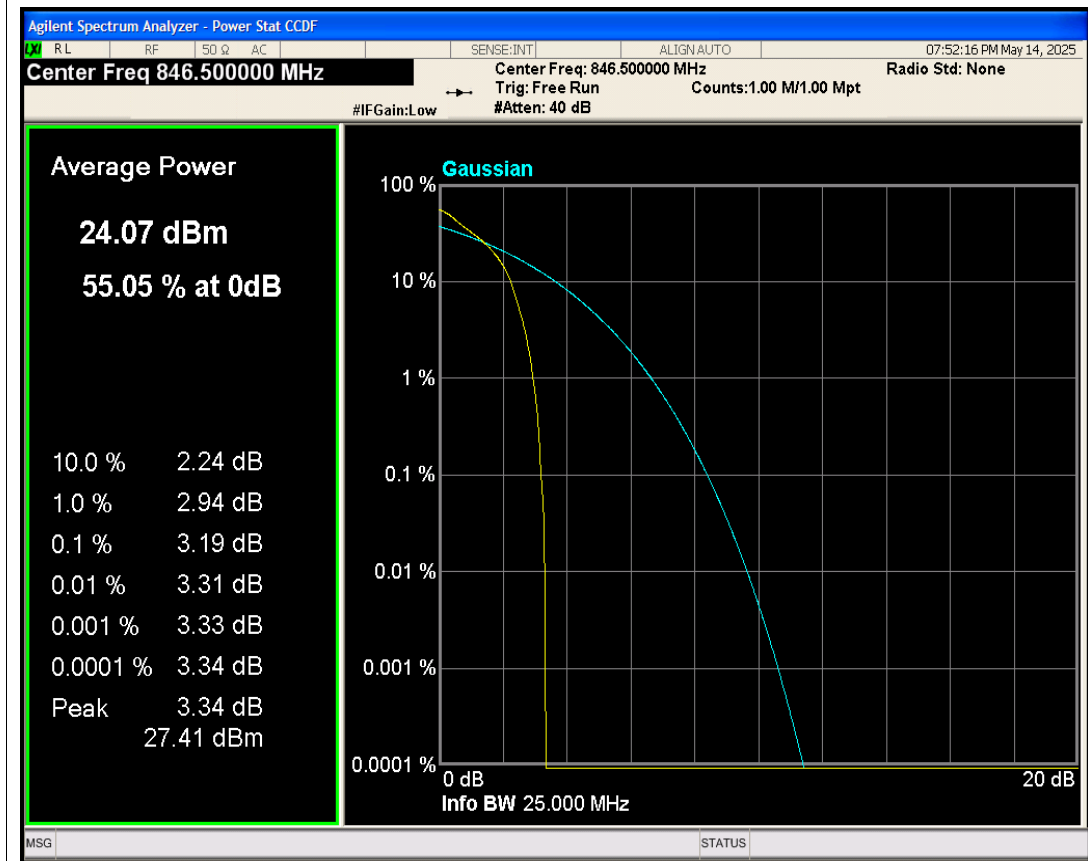
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0 NVNT

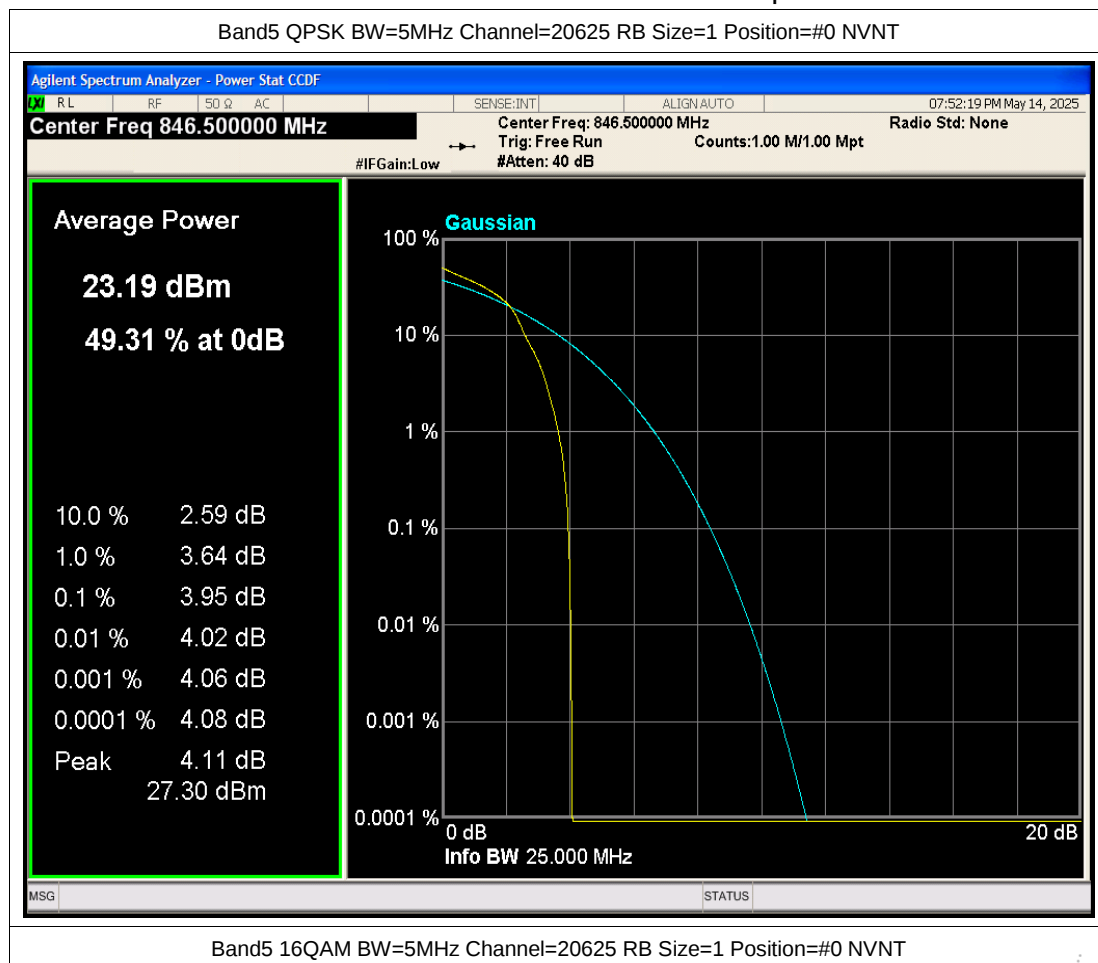






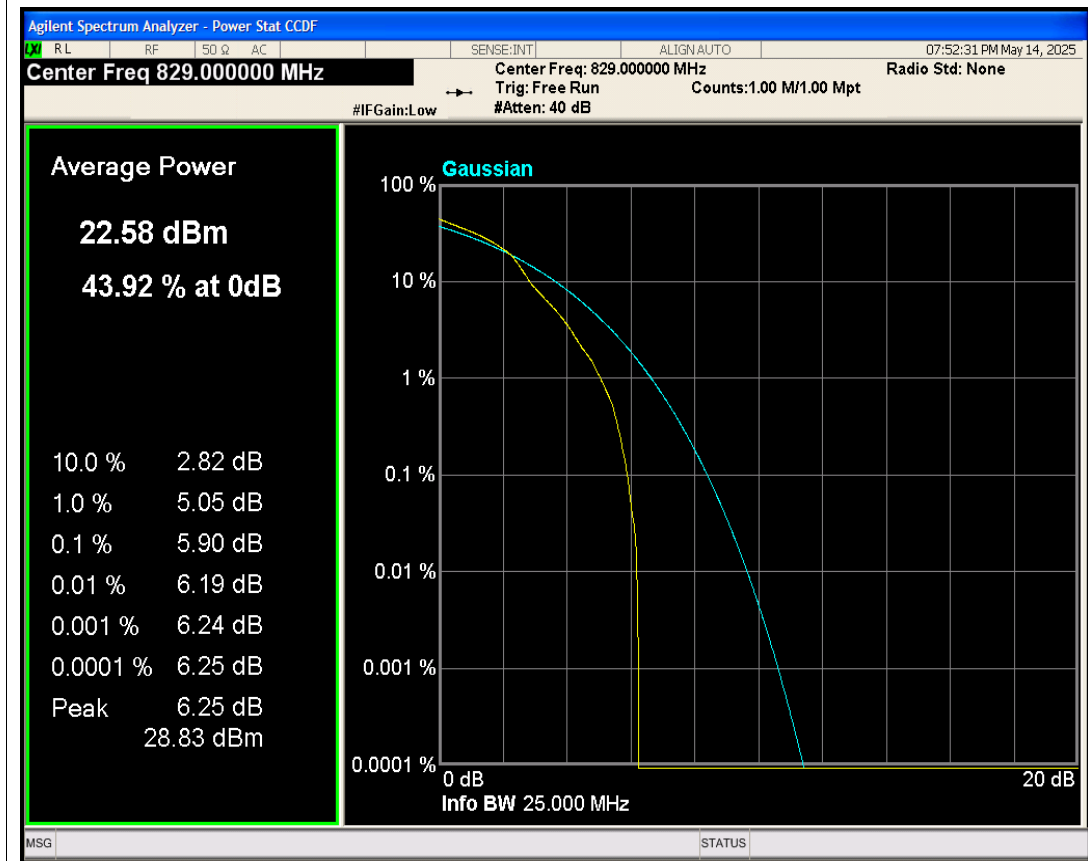
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT

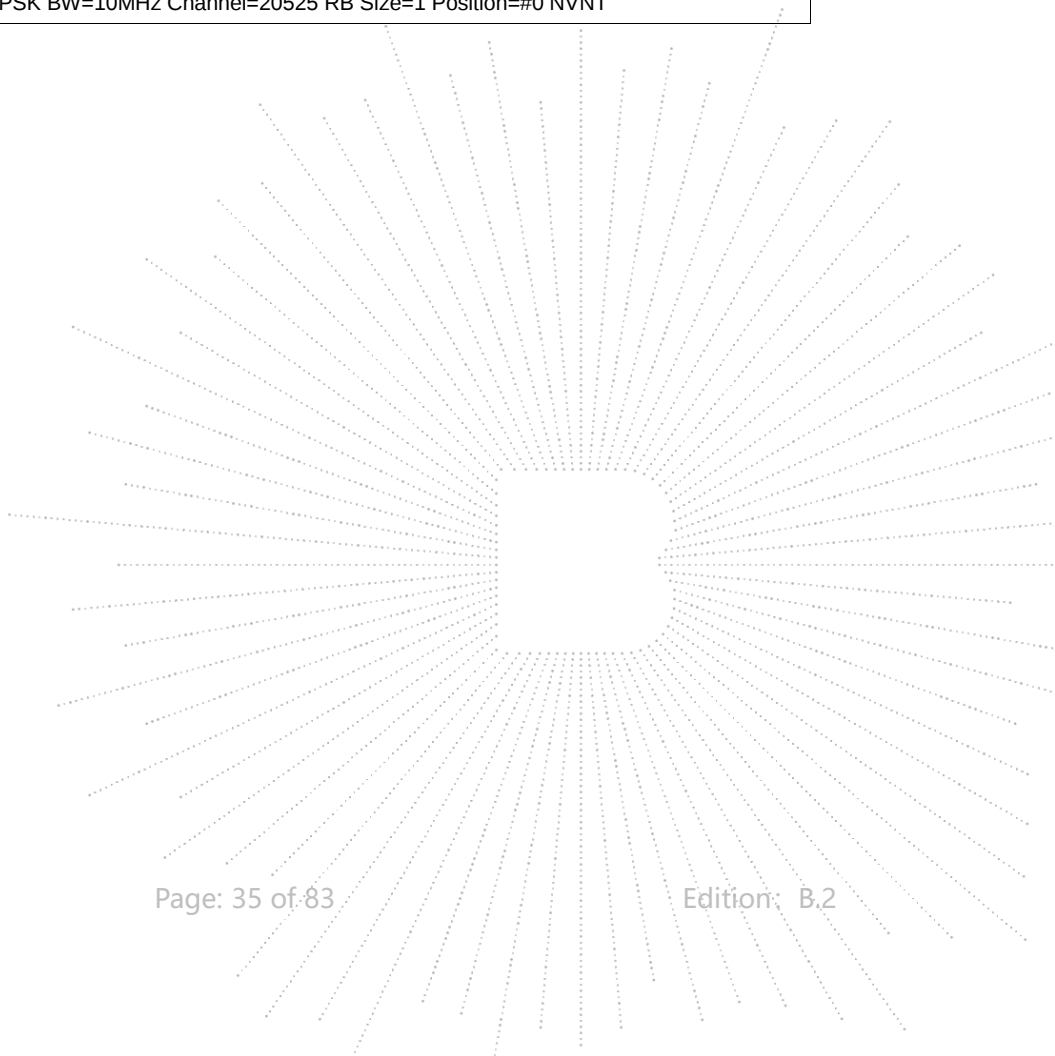
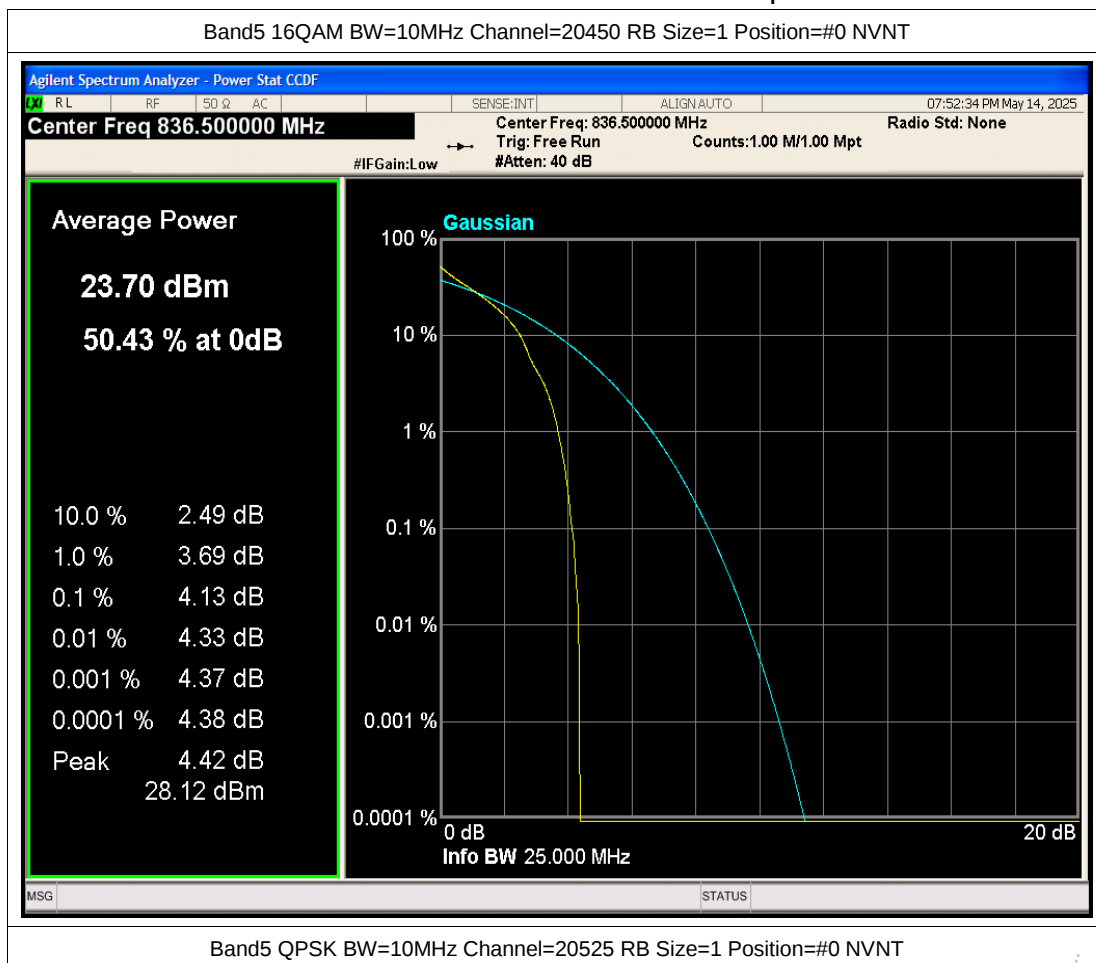






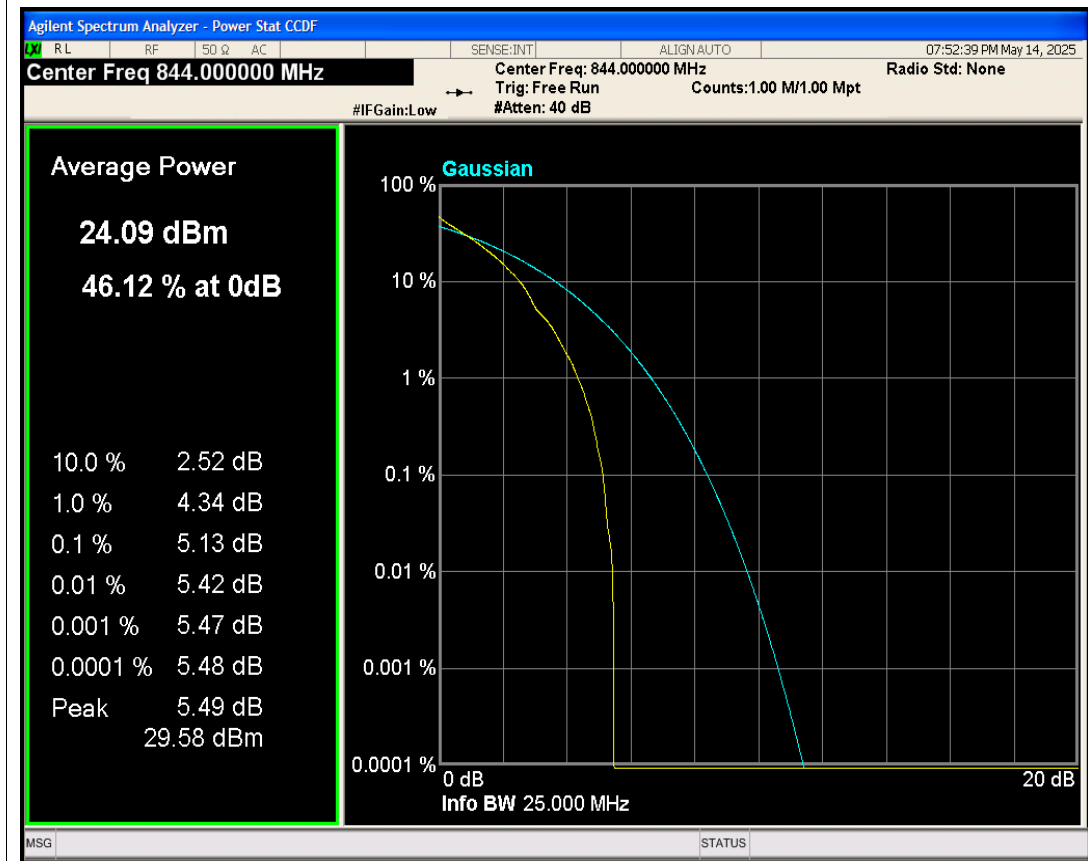
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT

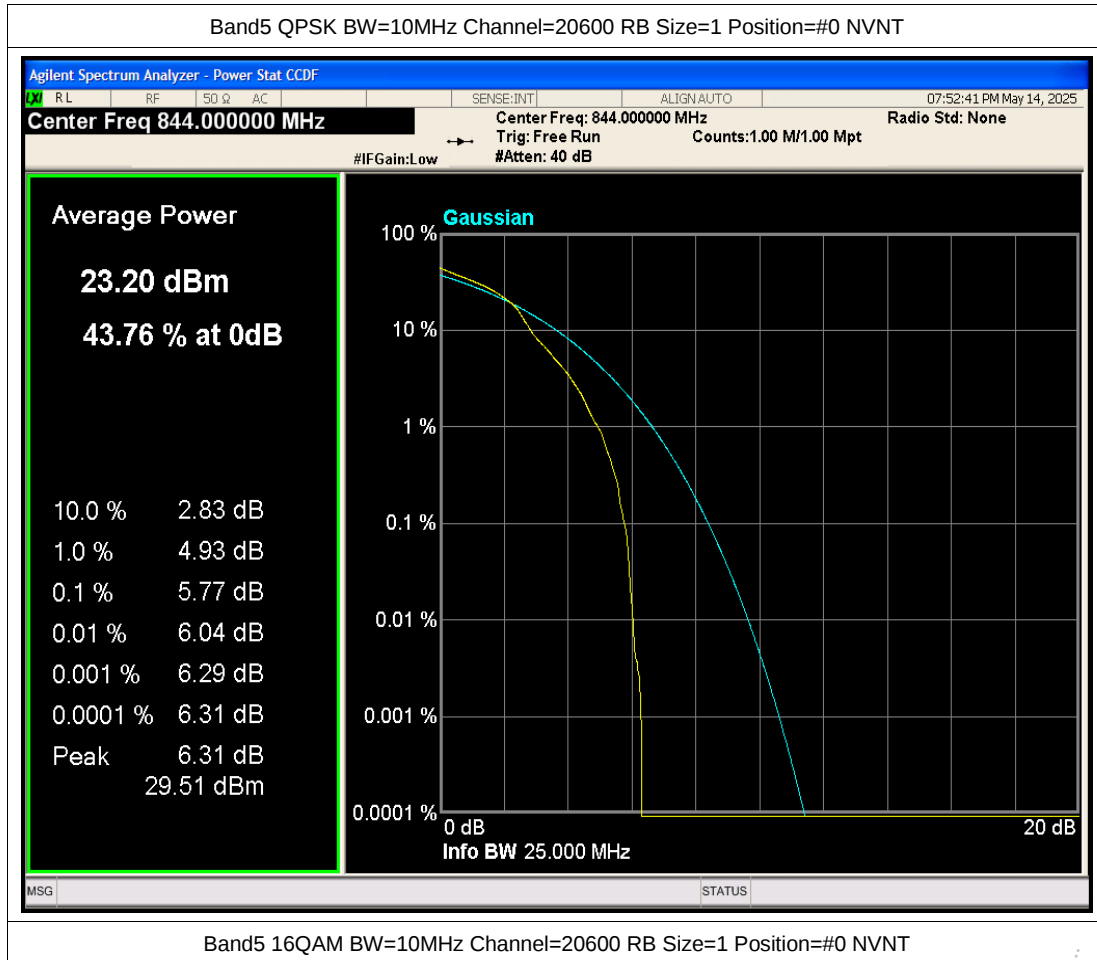






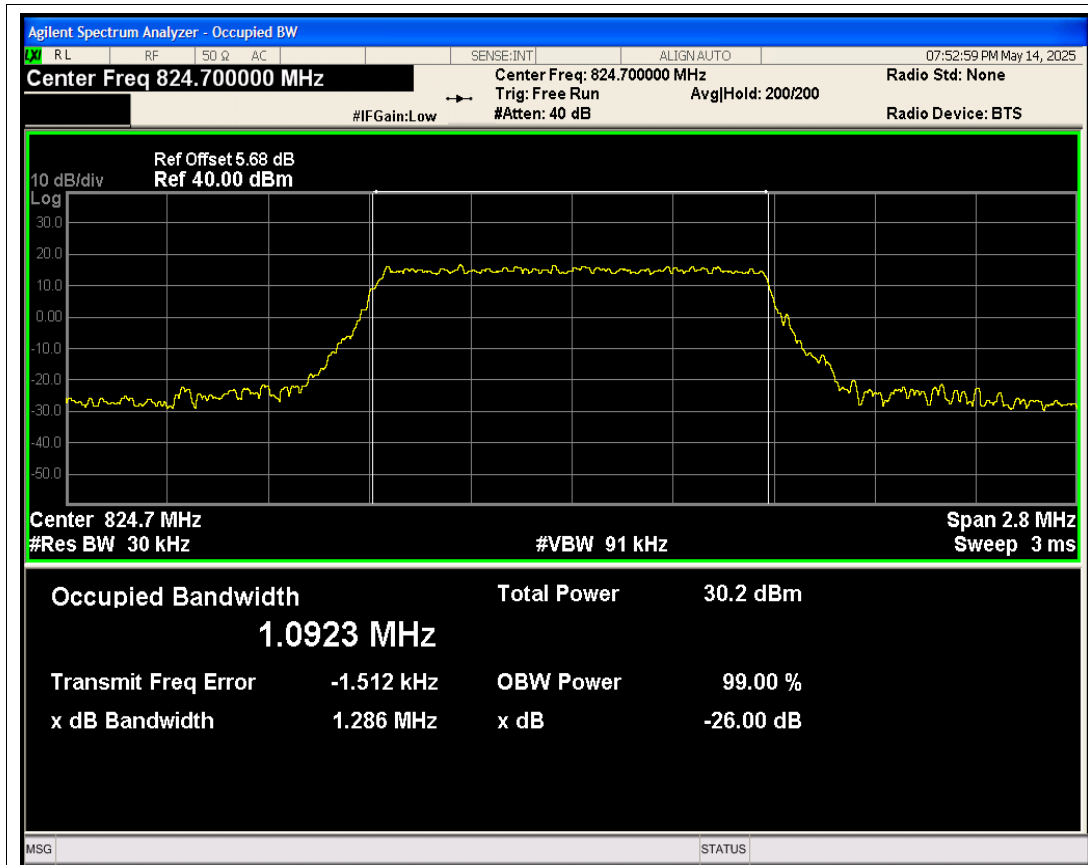
Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0 NVNT



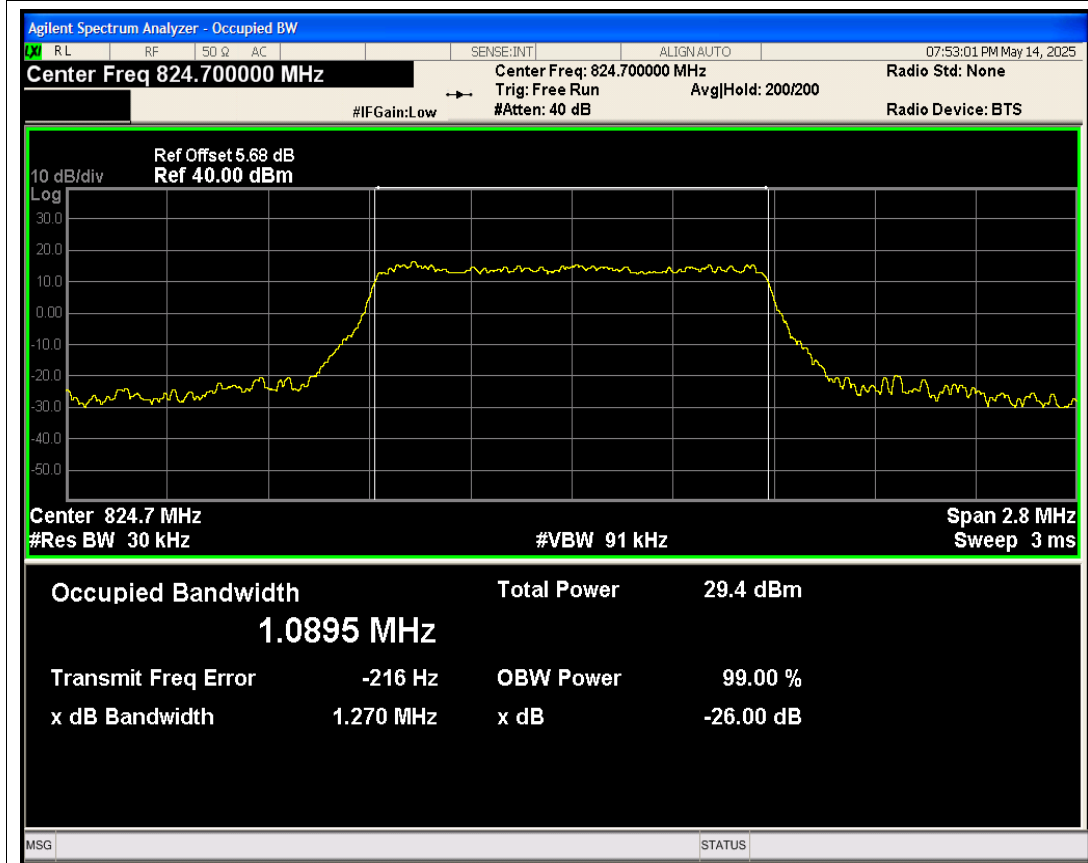


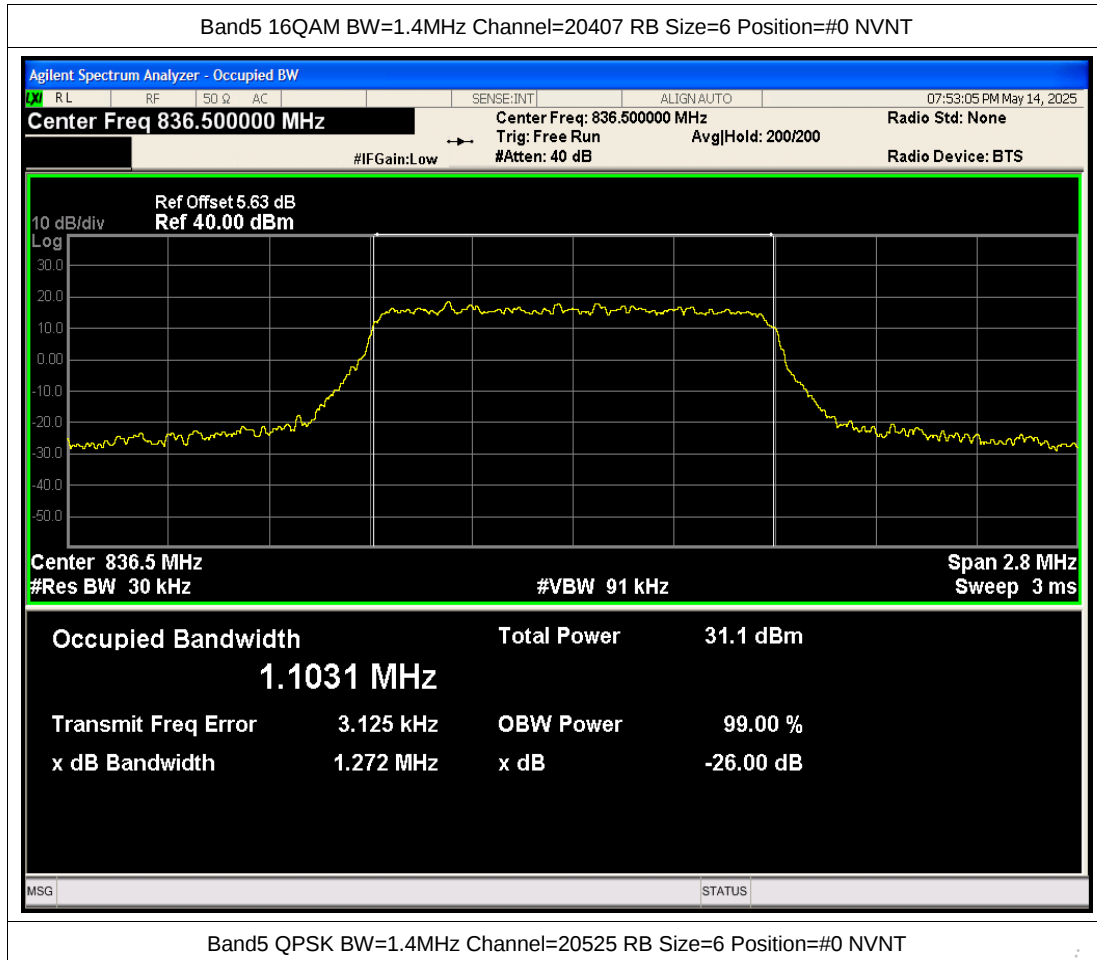
Appendix 4.Occupied bandwidth

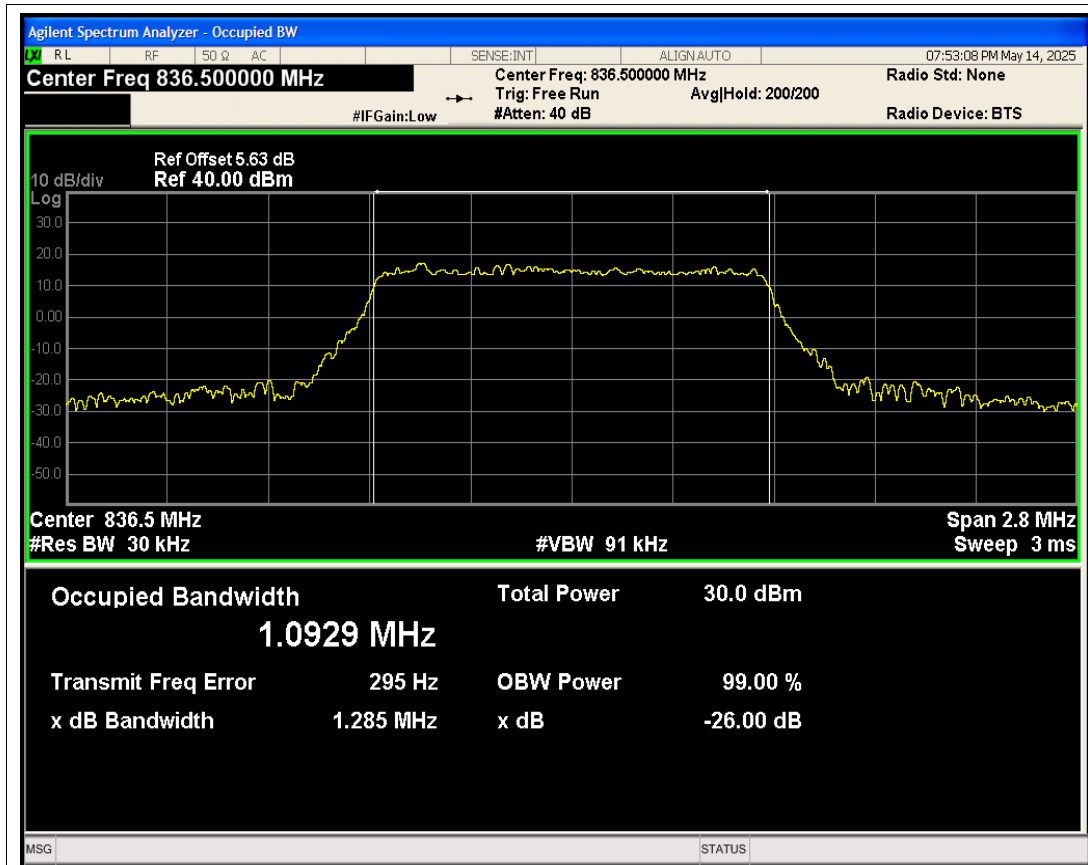
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	1.092	1.286	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	1.089	1.270	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	1.103	1.272	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	1.093	1.285	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	1.092	1.285	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	1.101	1.314	PASS
NVNT	Band5	3	20415	15	#0	QPSK	2.703	2.939	PASS
NVNT	Band5	3	20415	15	#0	16QAM	2.684	2.971	PASS
NVNT	Band5	3	20525	15	#0	QPSK	2.694	2.942	PASS
NVNT	Band5	3	20525	15	#0	16QAM	2.695	2.932	PASS
NVNT	Band5	3	20635	15	#0	QPSK	2.690	2.949	PASS
NVNT	Band5	3	20635	15	#0	16QAM	2.700	2.937	PASS
NVNT	Band5	5	20425	25	#0	QPSK	4.521	4.929	PASS
NVNT	Band5	5	20425	25	#0	16QAM	4.519	4.880	PASS
NVNT	Band5	5	20525	25	#0	QPSK	4.496	4.930	PASS
NVNT	Band5	5	20525	25	#0	16QAM	4.492	4.931	PASS
NVNT	Band5	5	20625	25	#0	QPSK	4.507	4.990	PASS
NVNT	Band5	5	20625	25	#0	16QAM	4.497	4.902	PASS
NVNT	Band5	10	20450	50	#0	QPSK	9.006	9.677	PASS
NVNT	Band5	10	20450	50	#0	16QAM	9.032	9.686	PASS
NVNT	Band5	10	20525	50	#0	QPSK	8.934	9.706	PASS
NVNT	Band5	10	20525	50	#0	16QAM	8.951	9.682	PASS
NVNT	Band5	10	20600	50	#0	QPSK	8.999	9.711	PASS
NVNT	Band5	10	20600	50	#0	16QAM	9.019	9.814	PASS



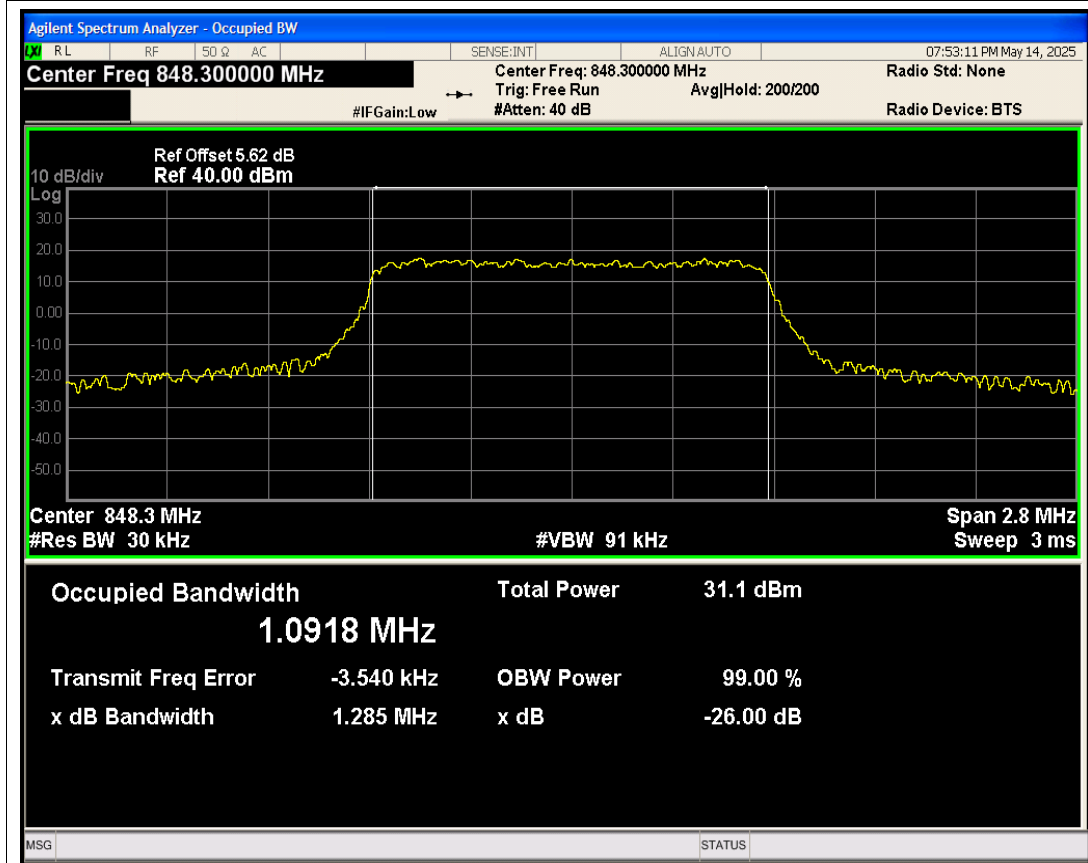
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

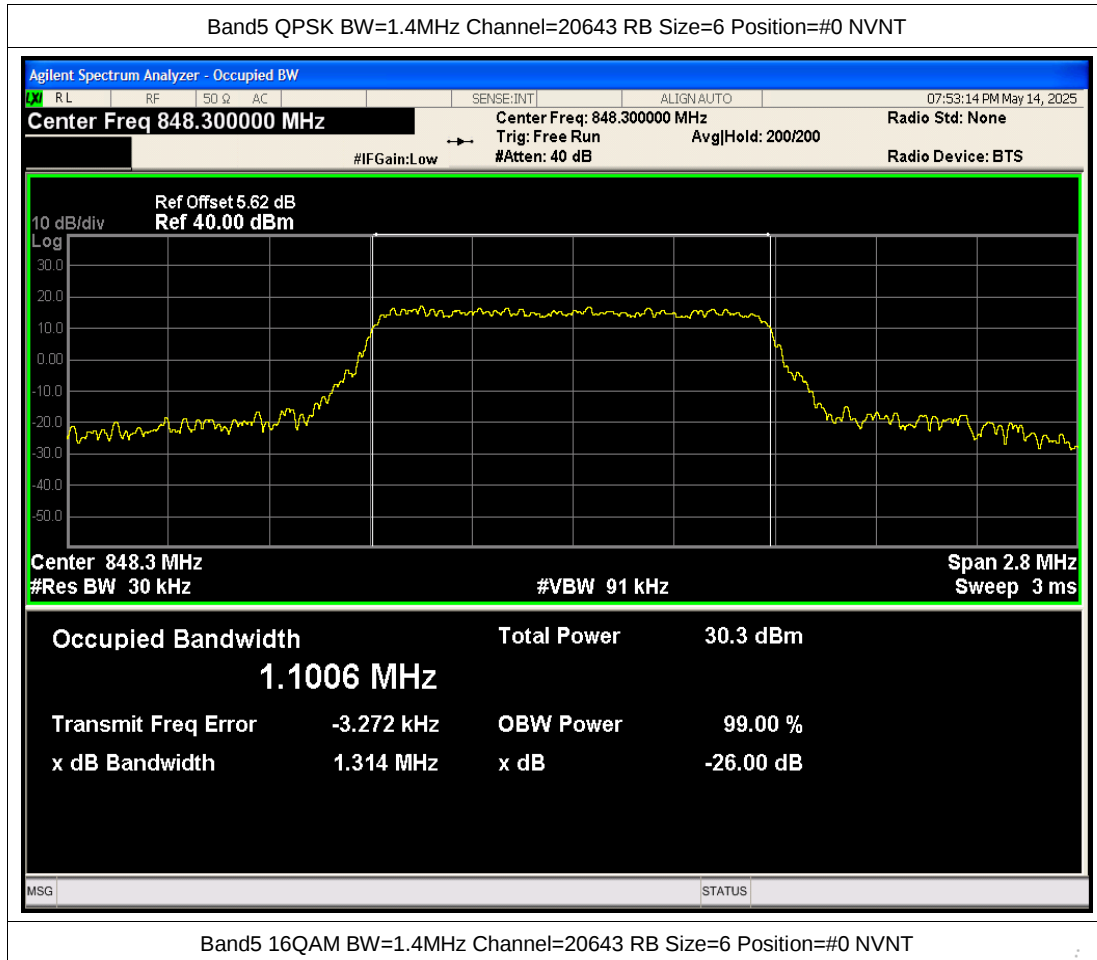


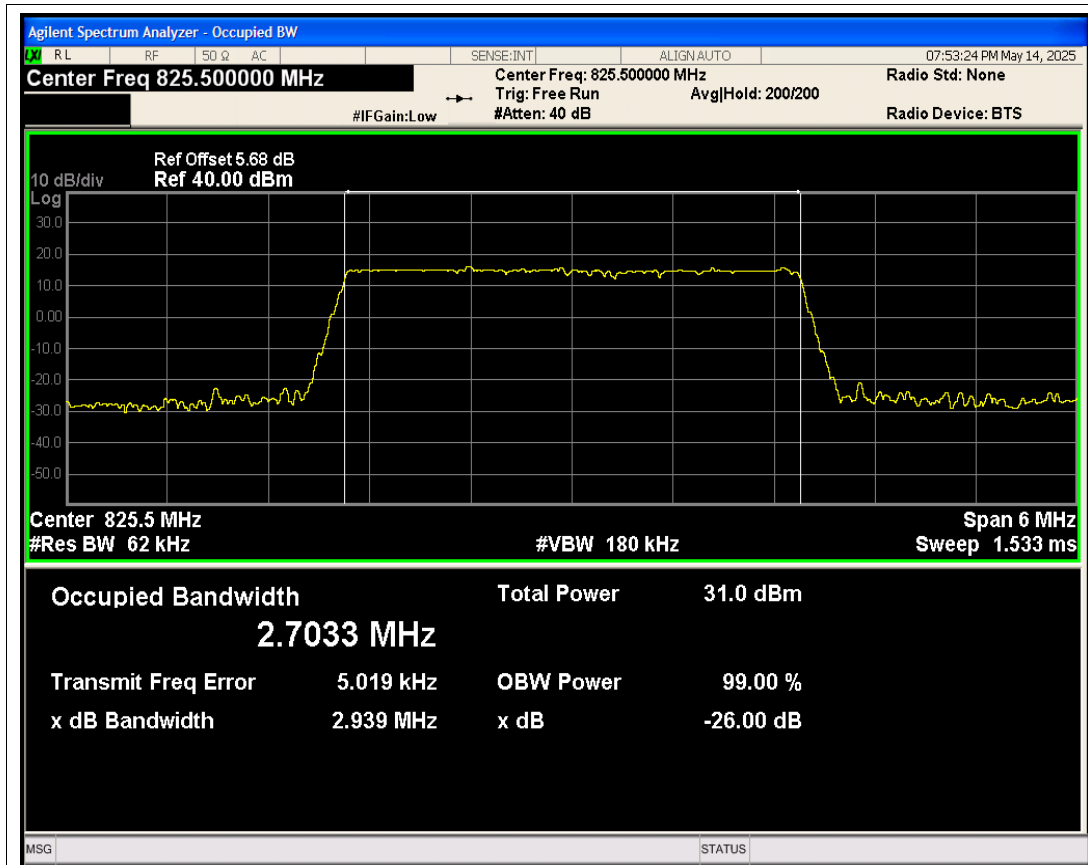




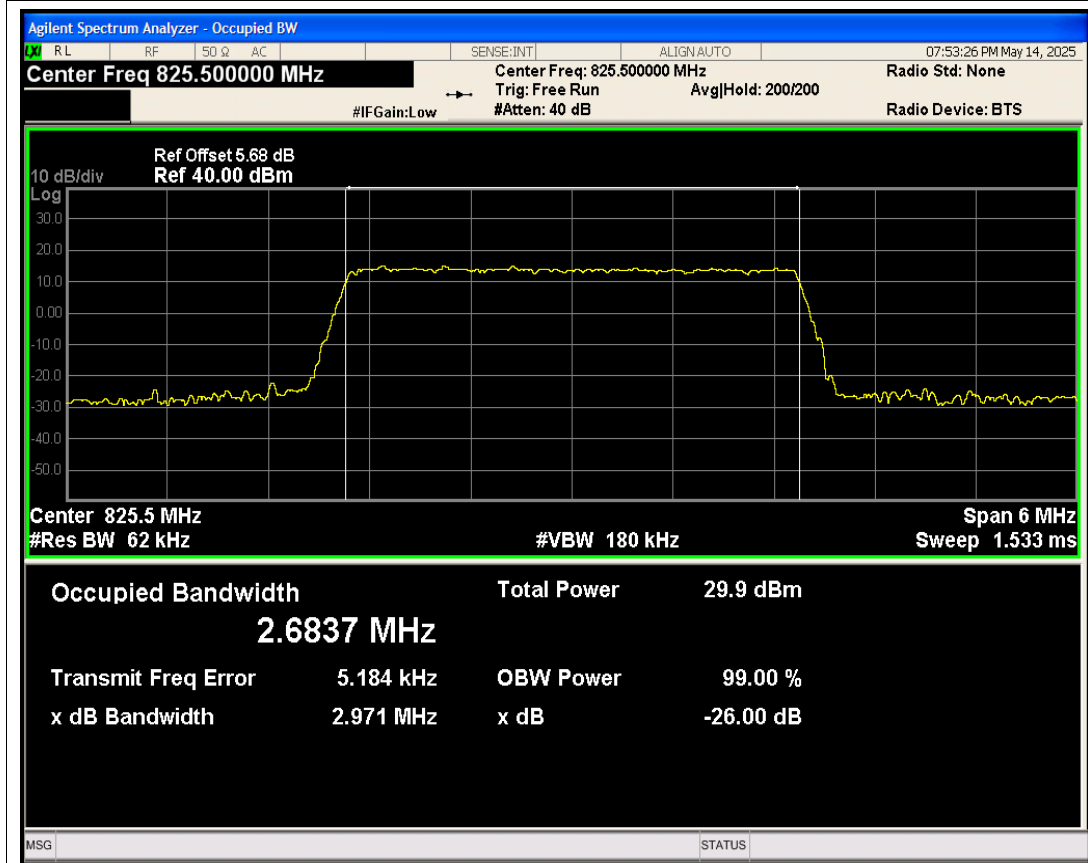
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT

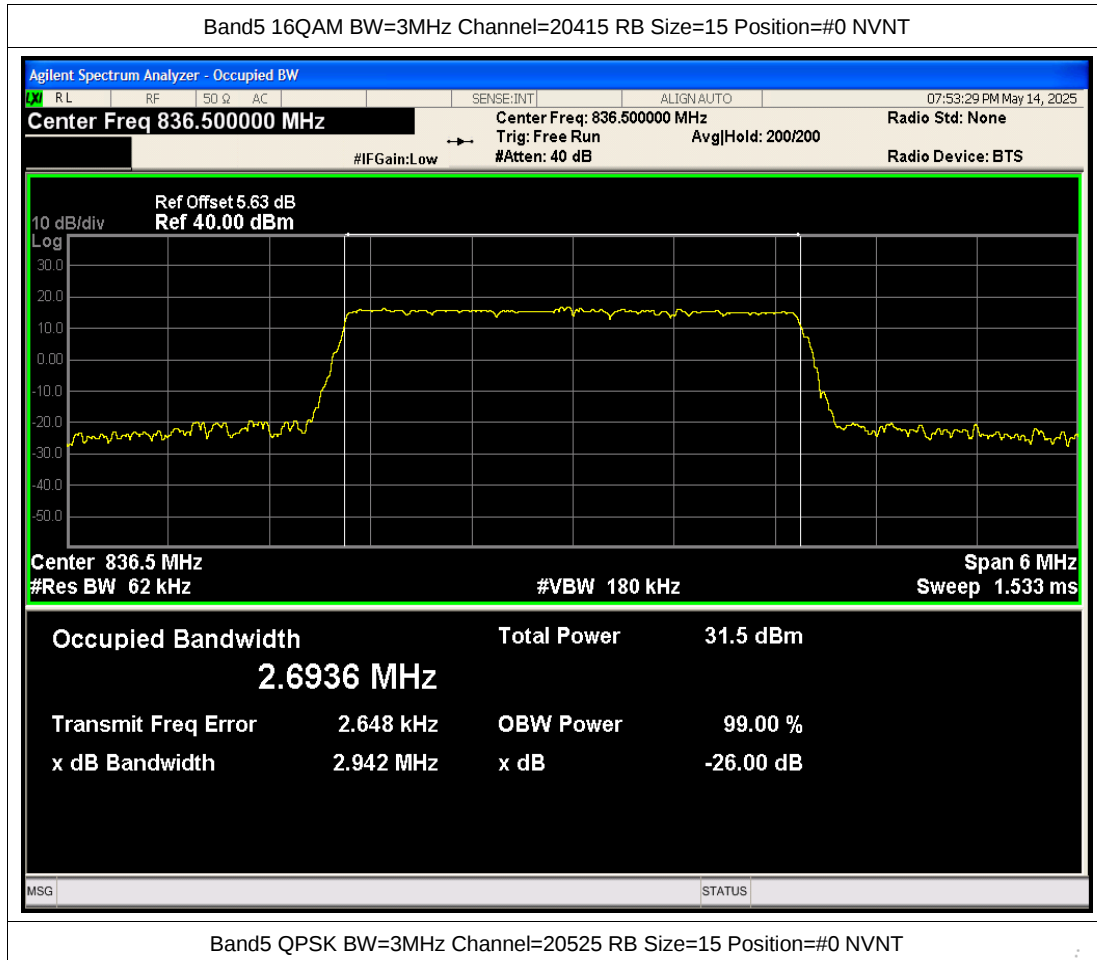


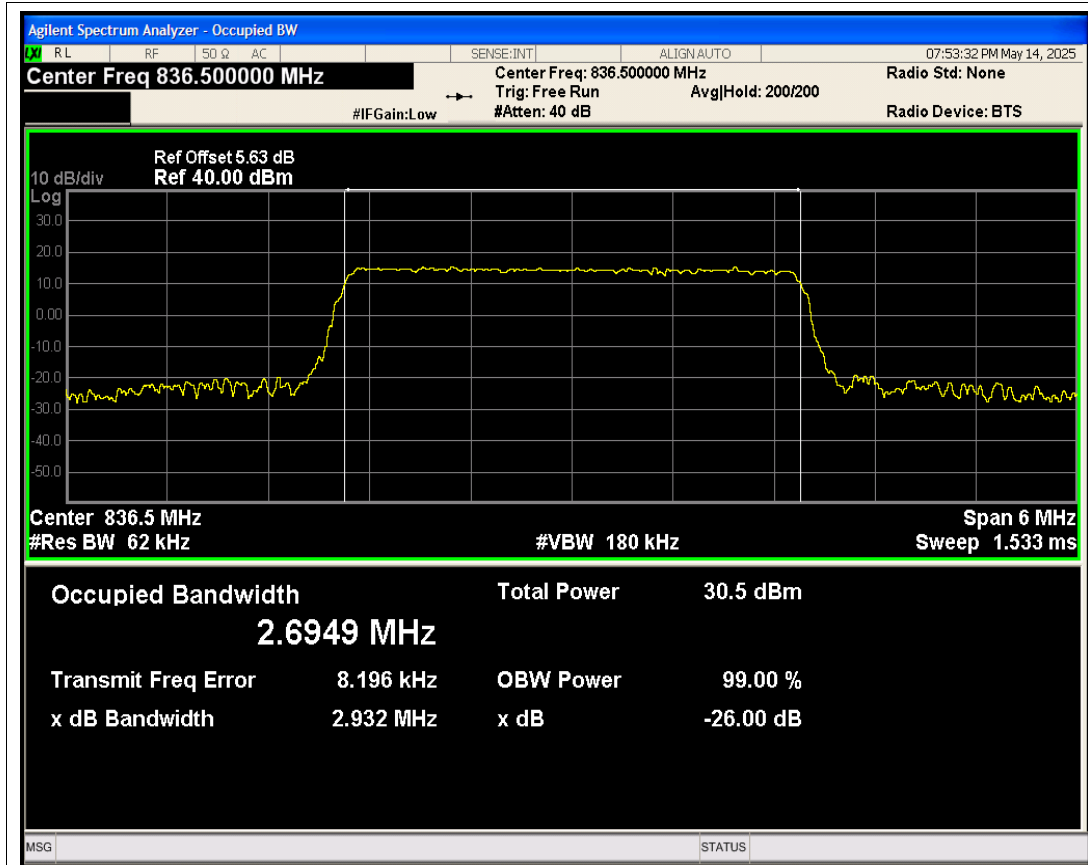




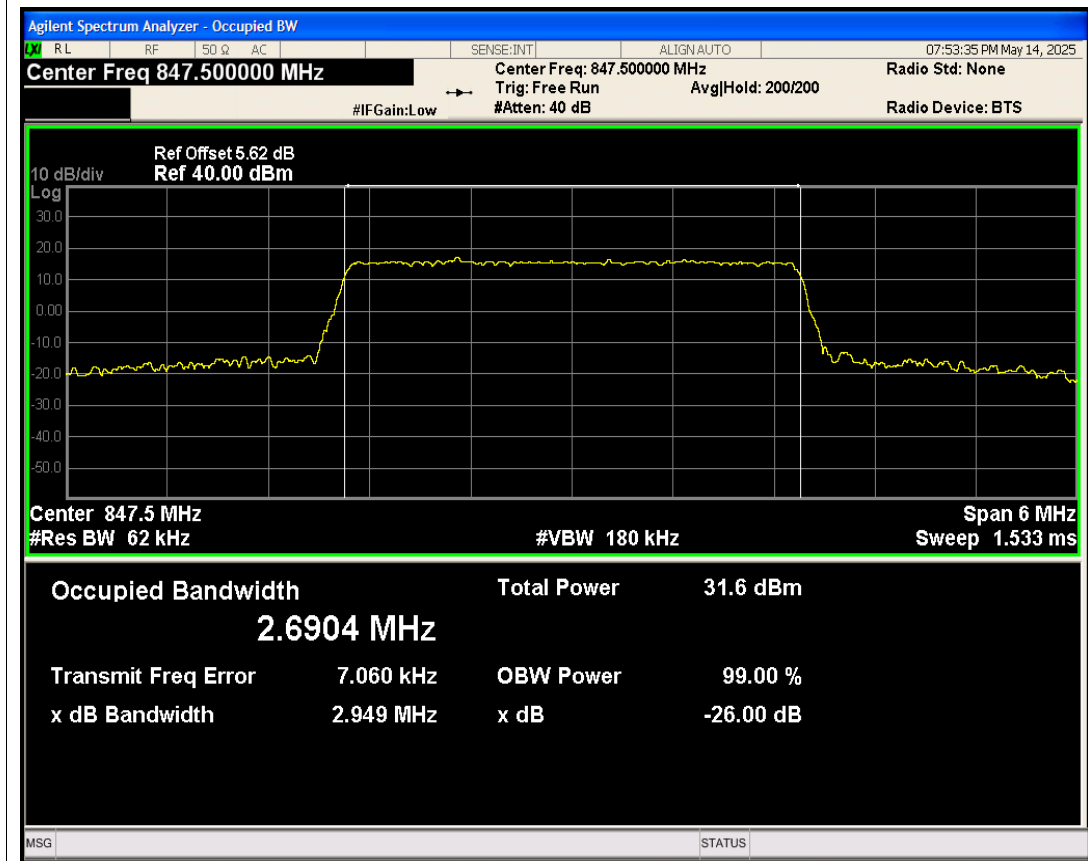
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT

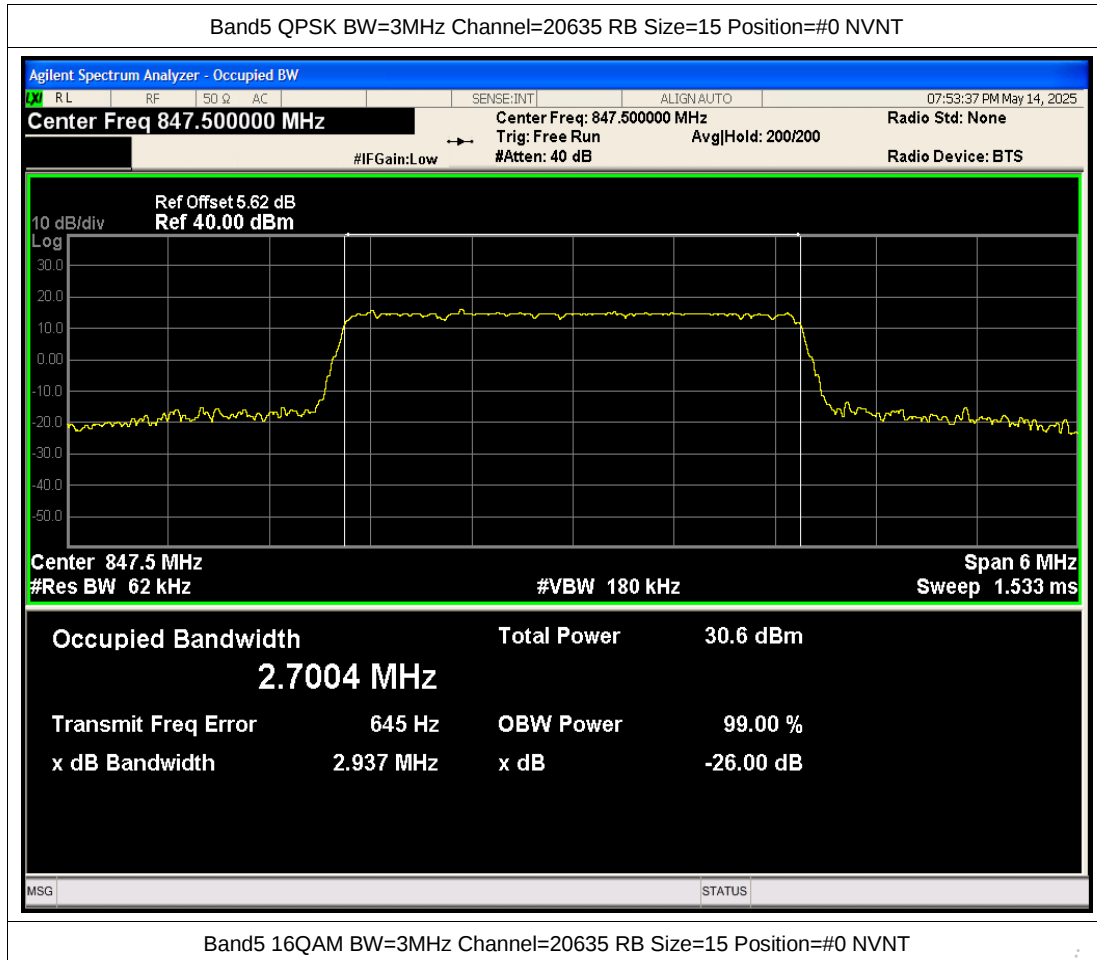


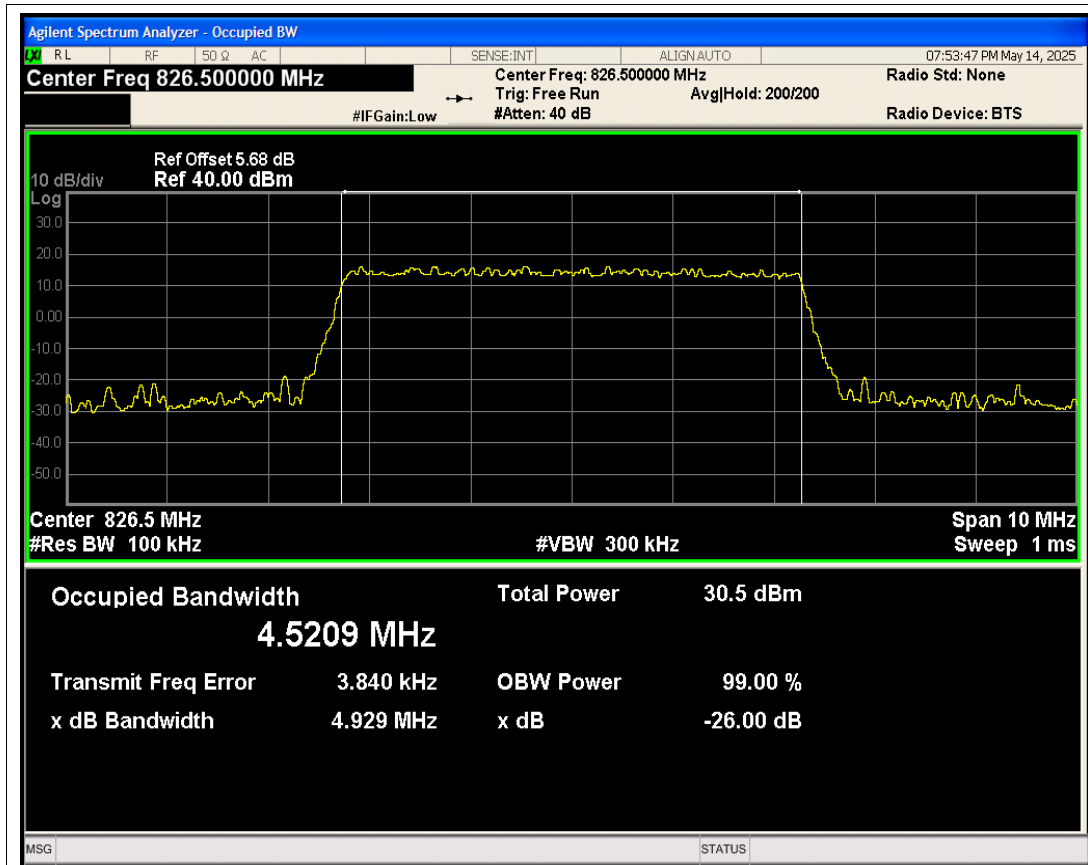




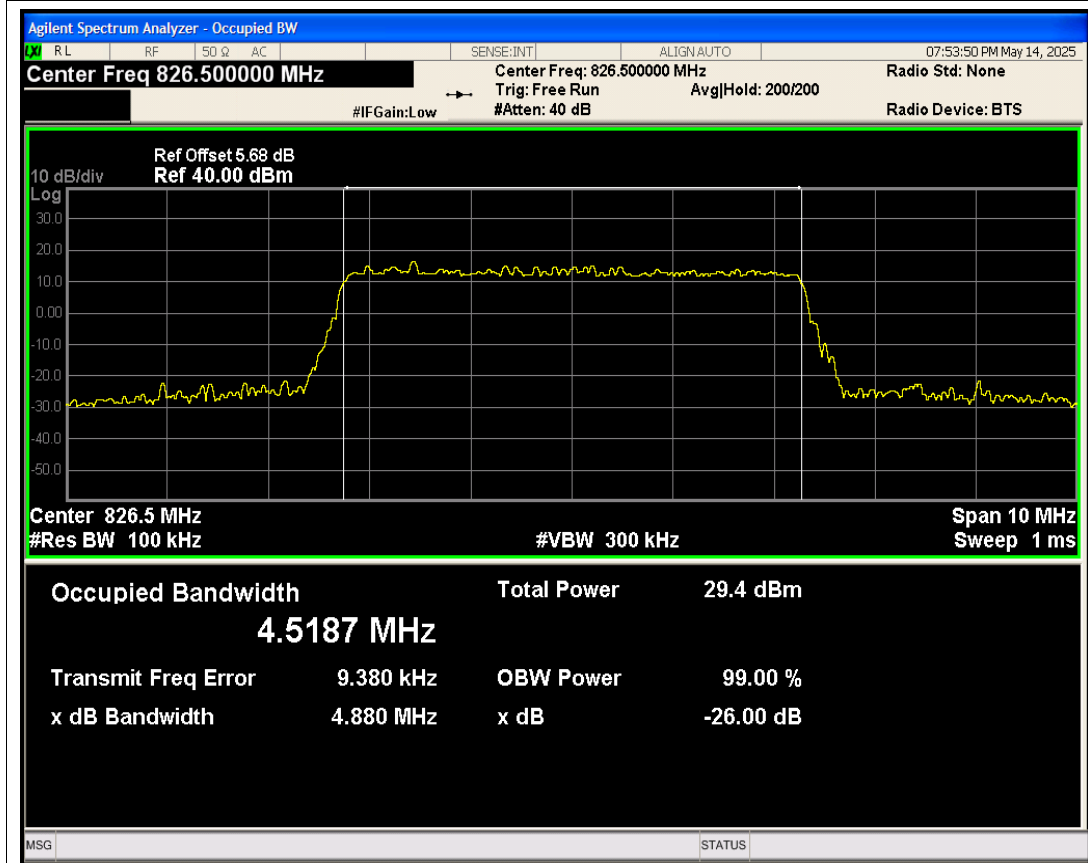
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT

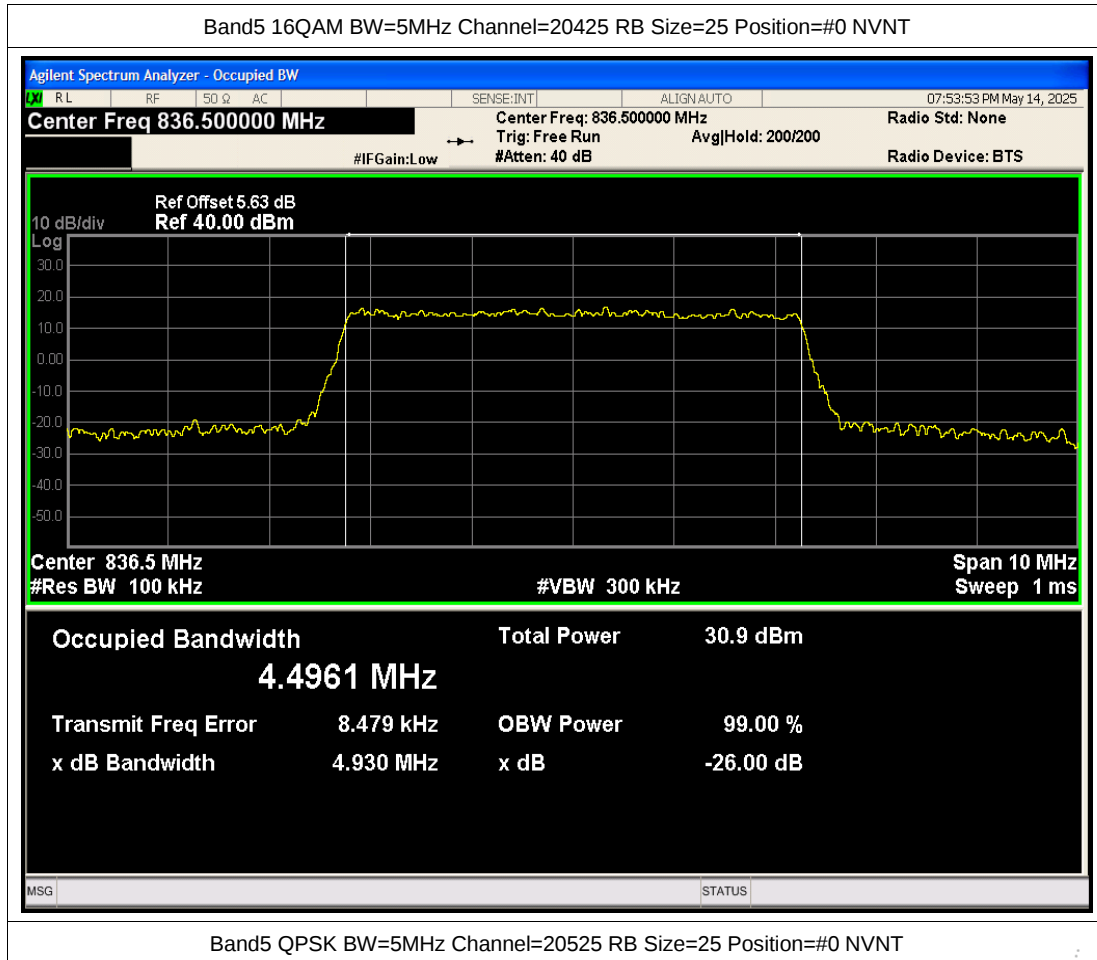


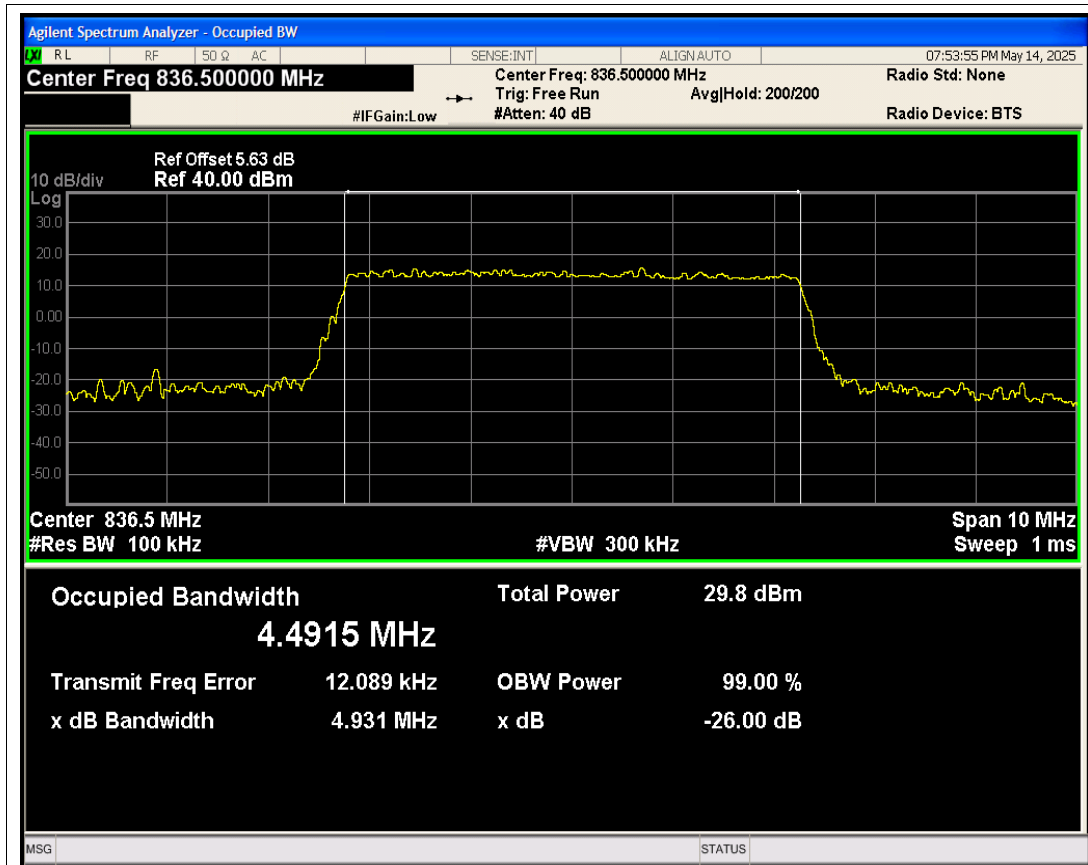




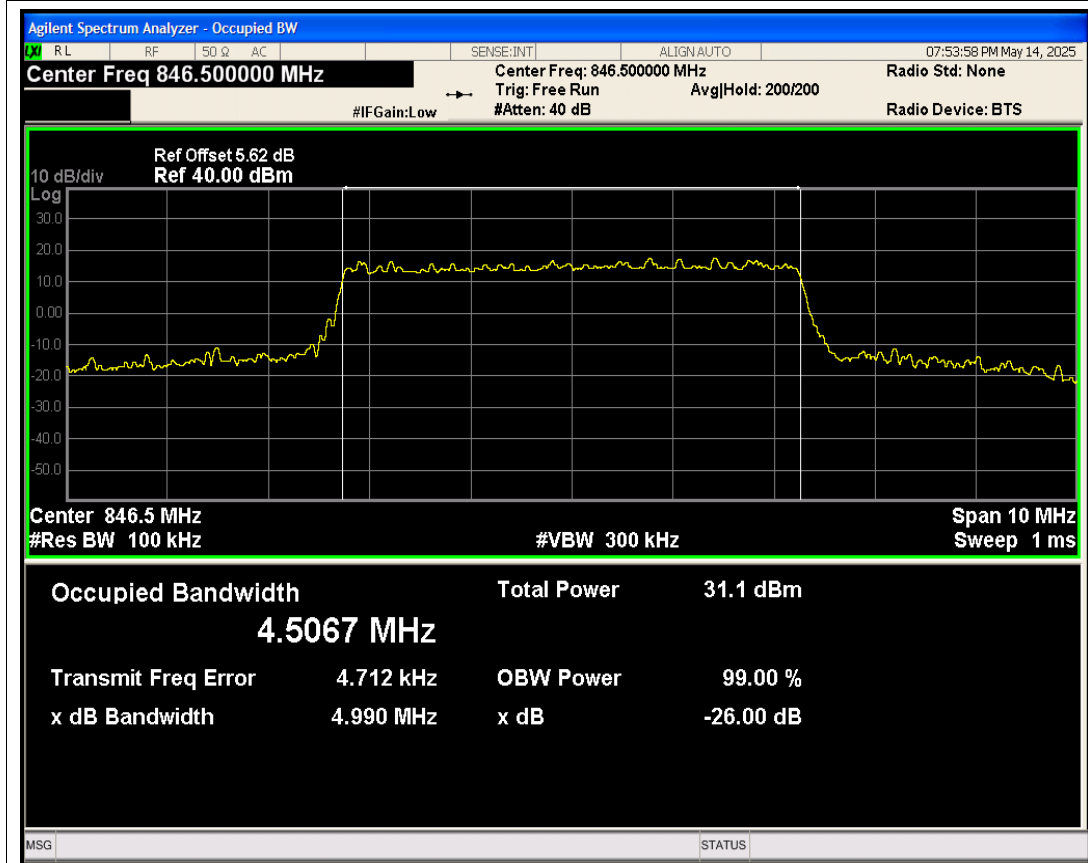
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT

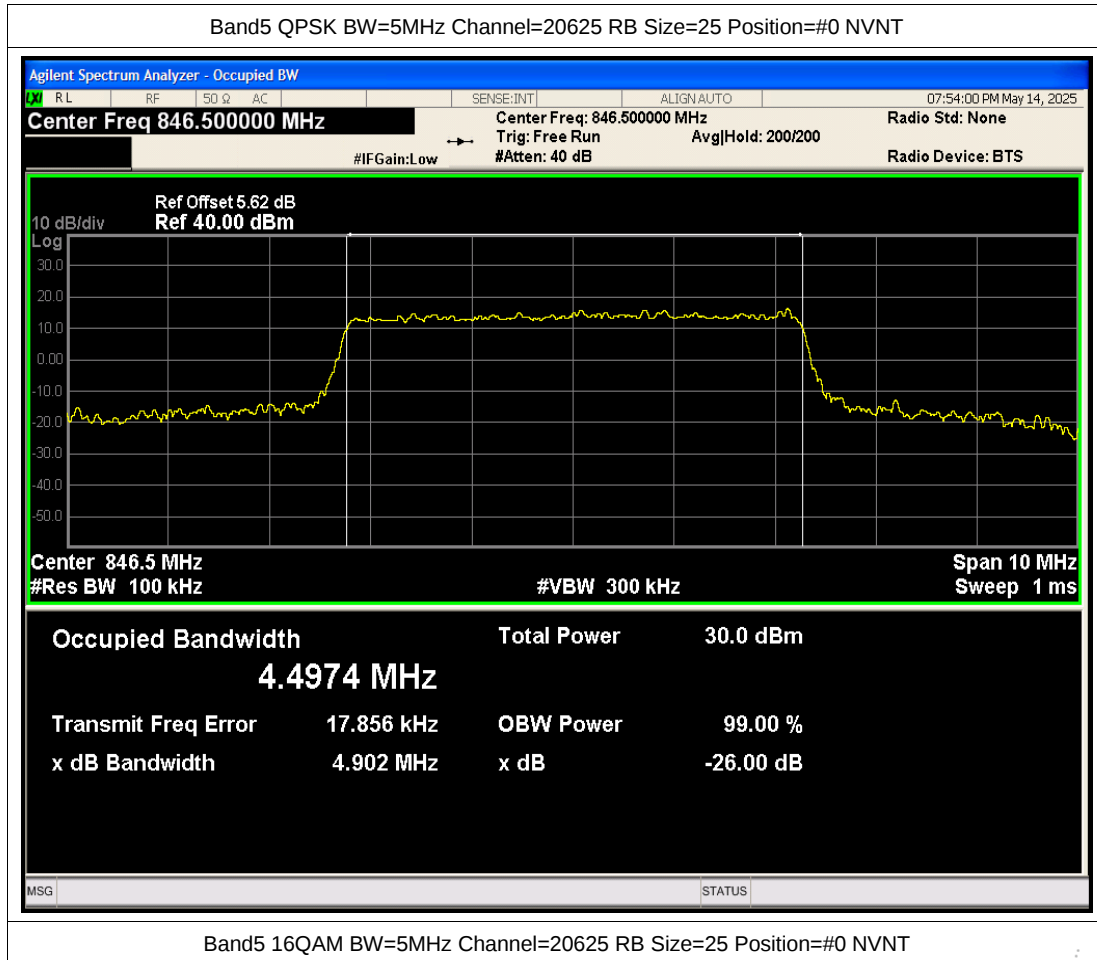


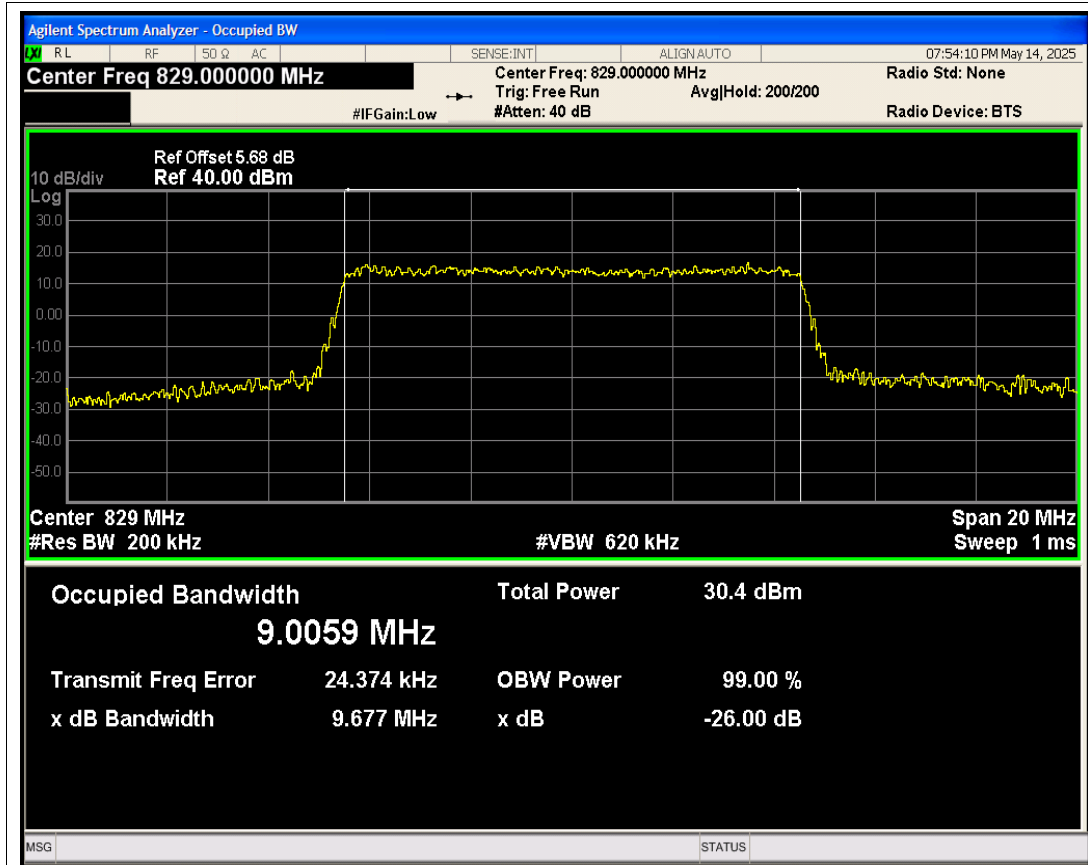




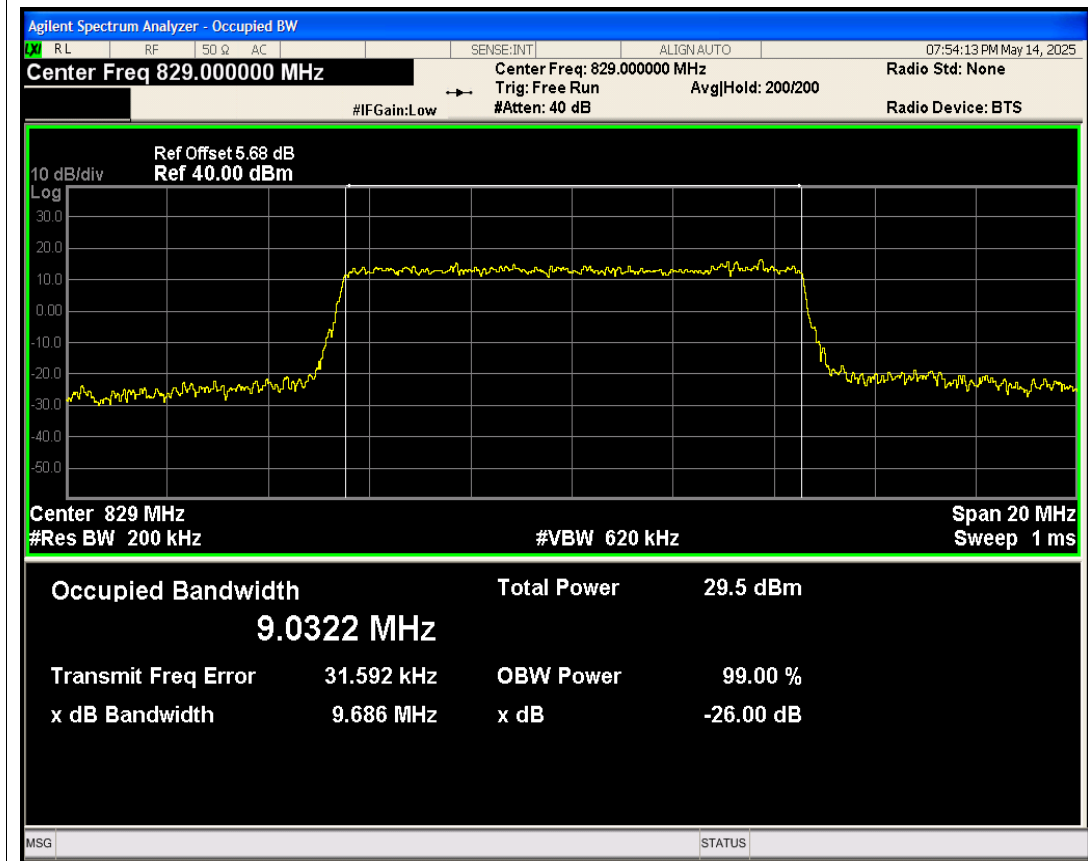
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT

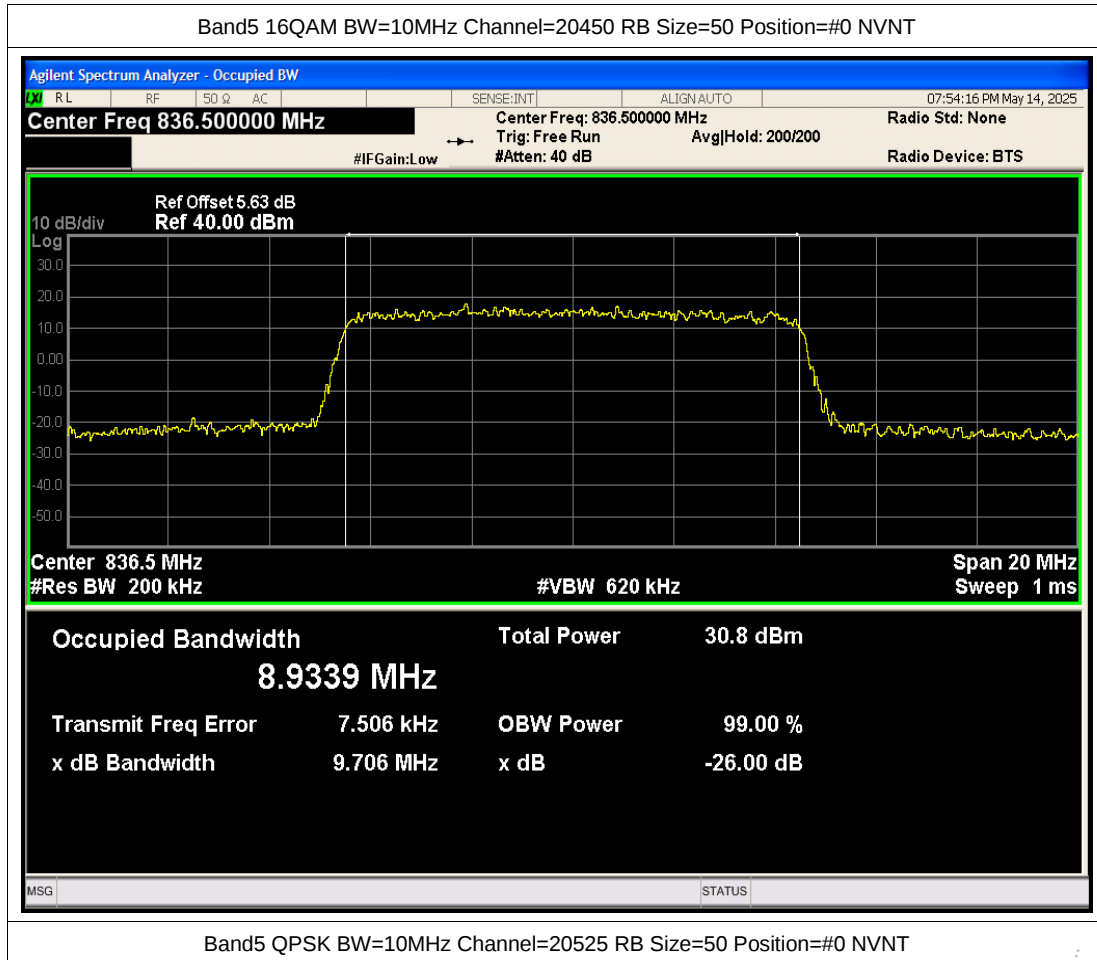


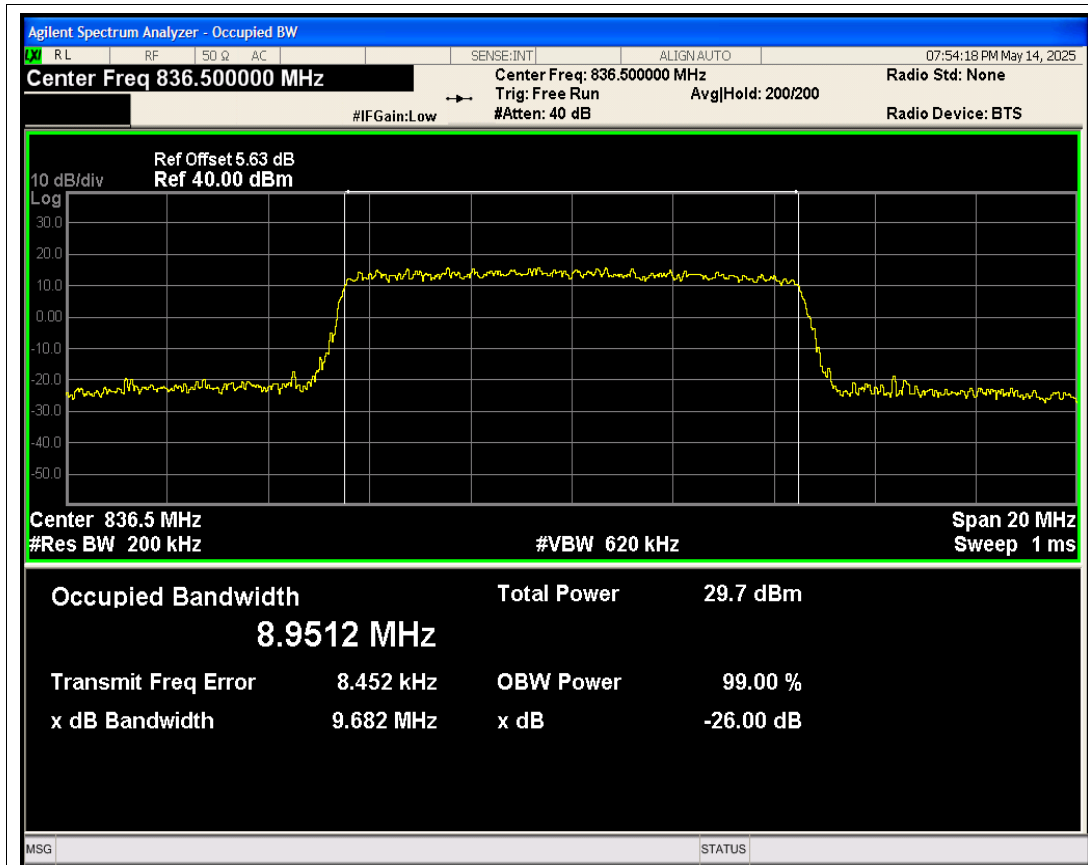




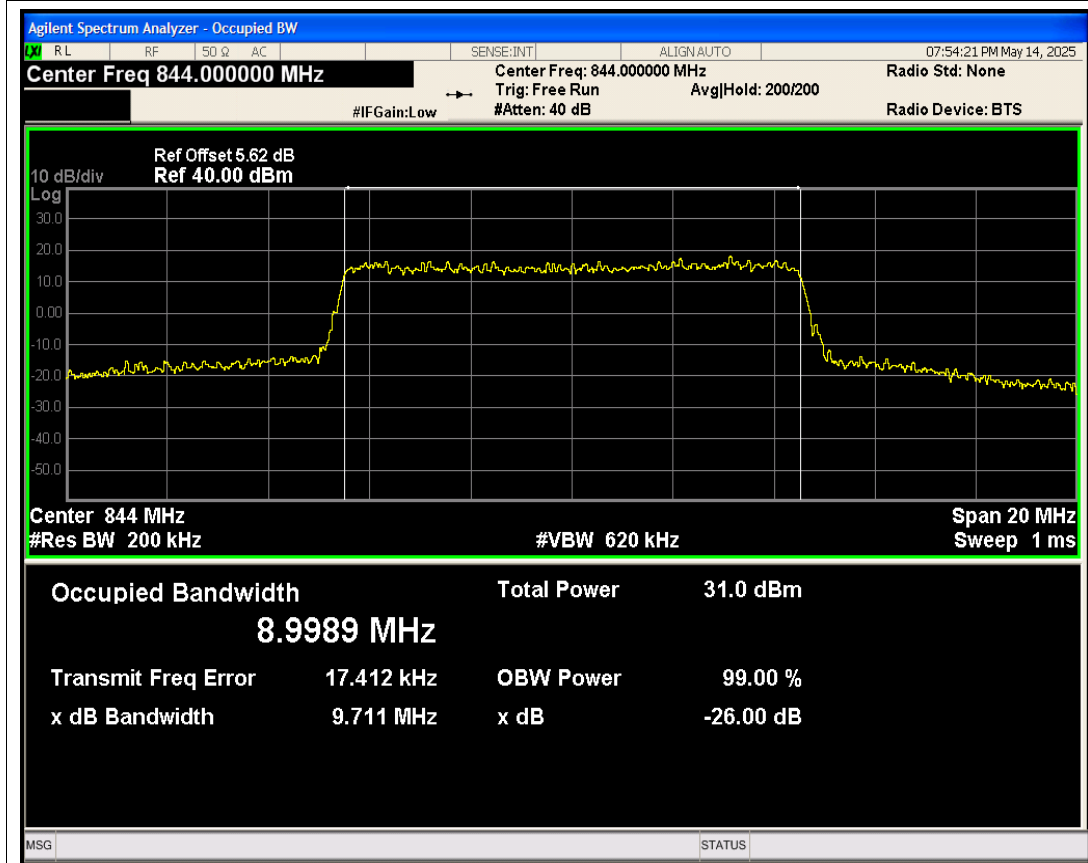
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT





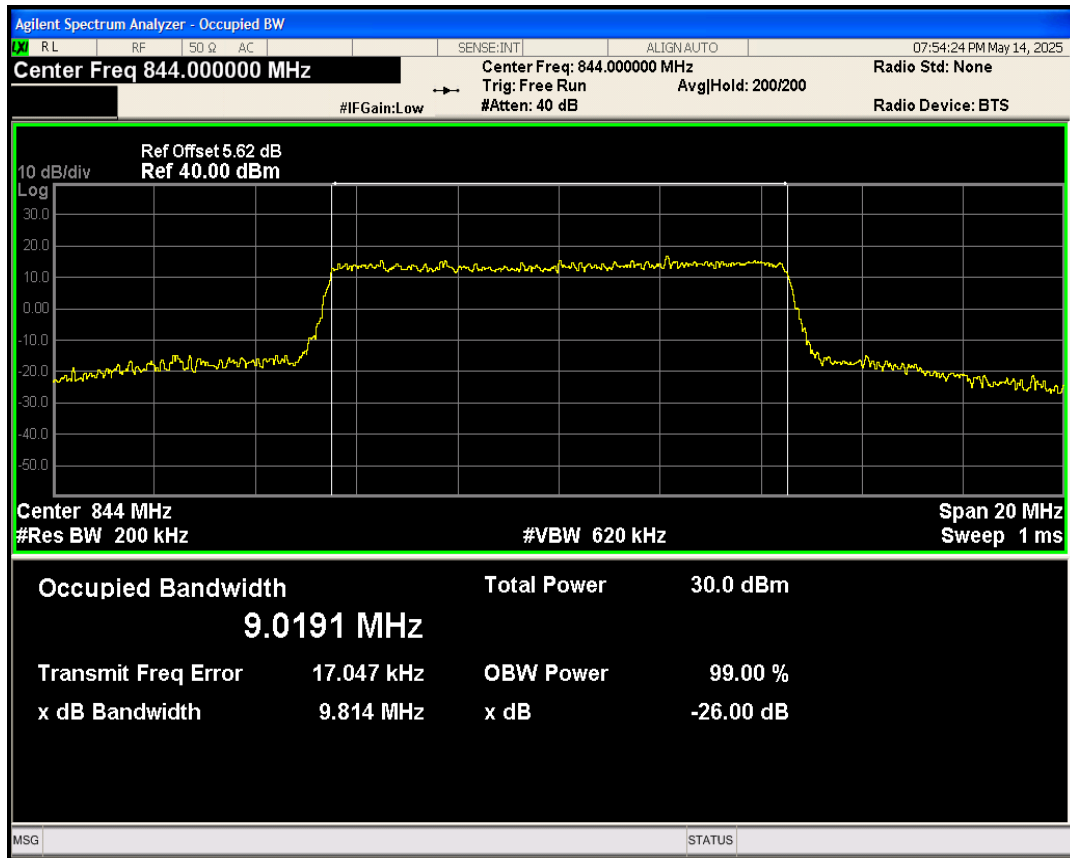


Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT





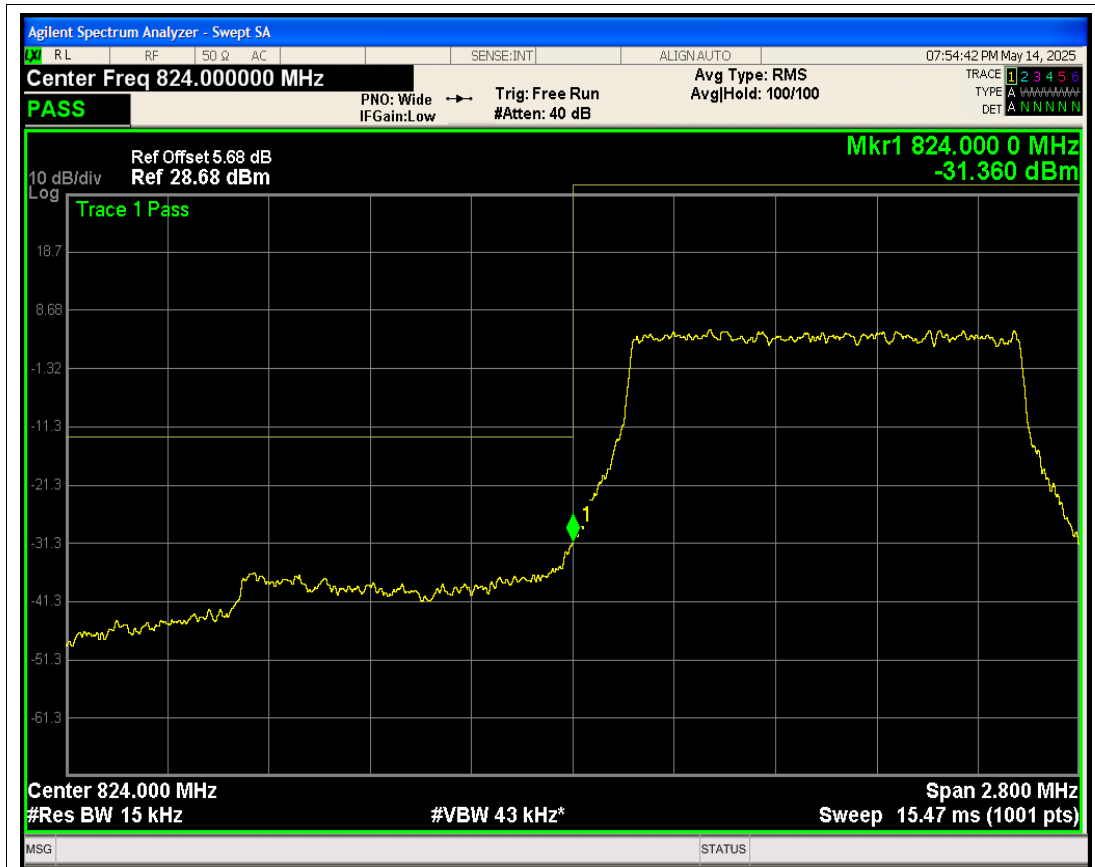
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT

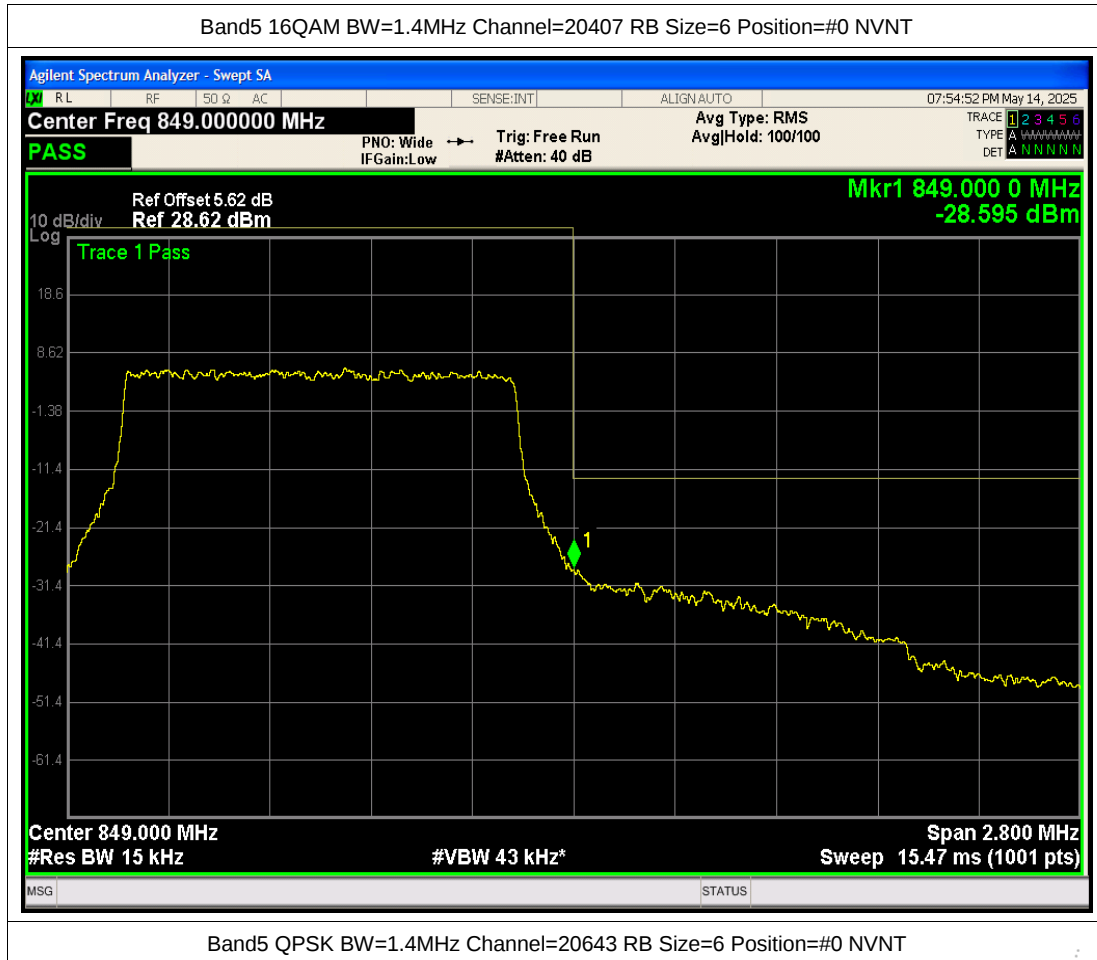
Appendix 5.Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	824.00	-31.35	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	824.00	-32.06	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	849.00	-28.59	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	849.00	-30.44	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	824.00	-30.89	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	824.00	-30.96	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	849.00	-25.56	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	849.00	-28.08	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	823.98	-30.91	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	824.00	-32.89	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	849.02	-23.70	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	849.00	-25.31	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	824.00	-31.70	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	824.00	-33.72	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	849.10	-25.49	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	849.00	-27.51	-13	PASS



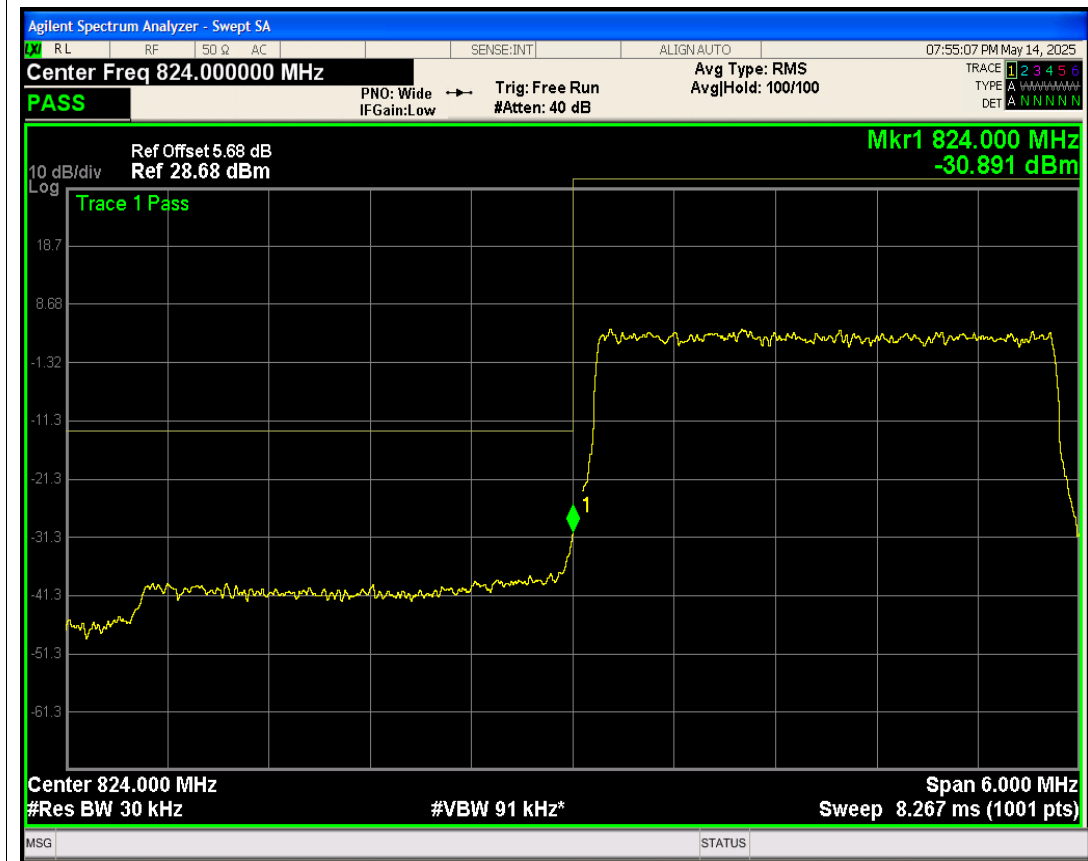
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

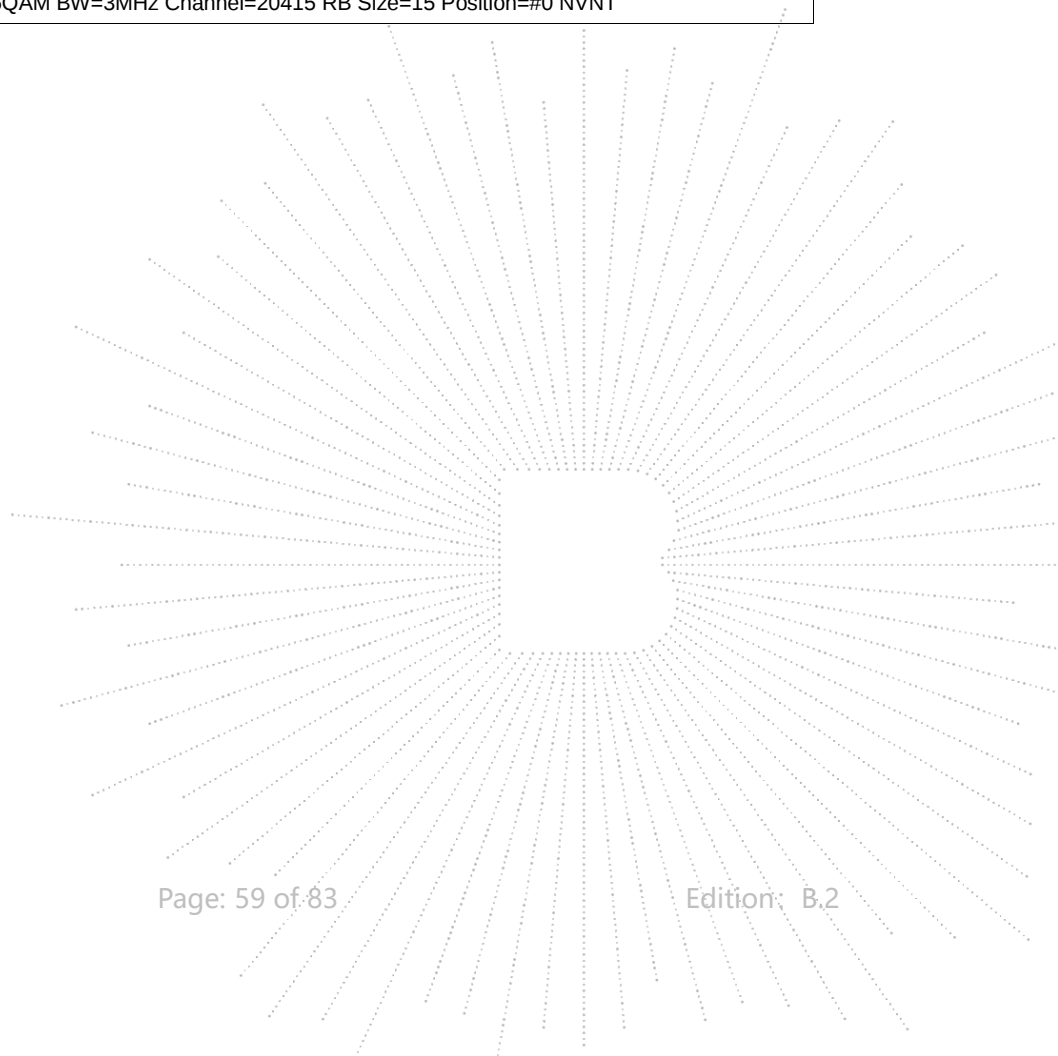
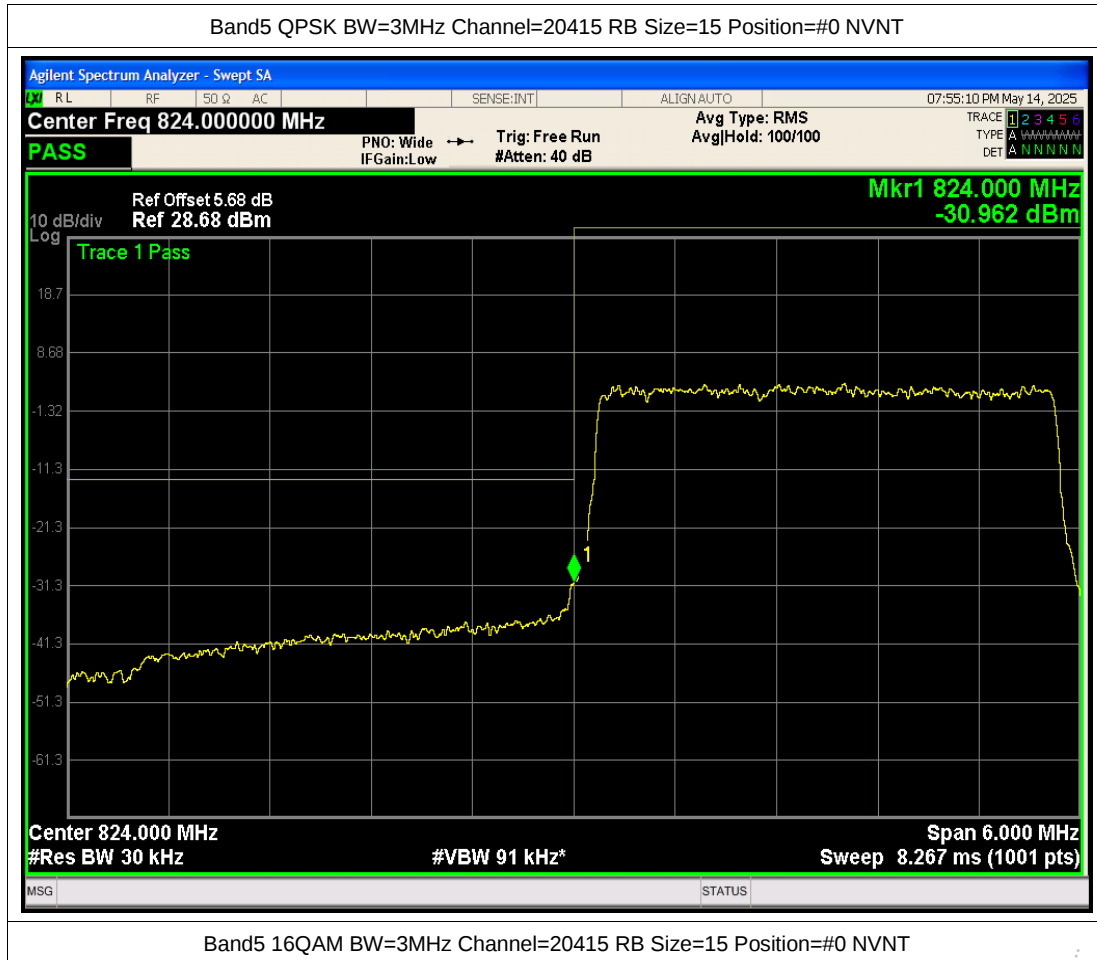






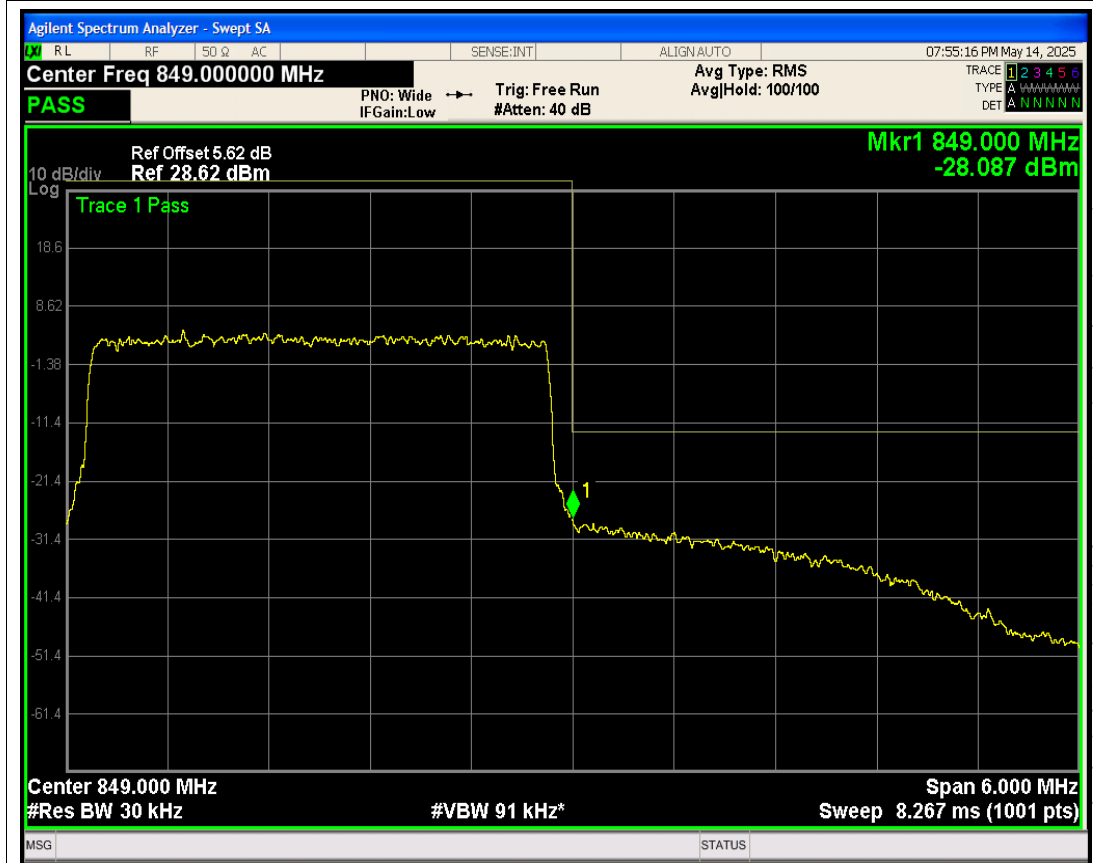
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT

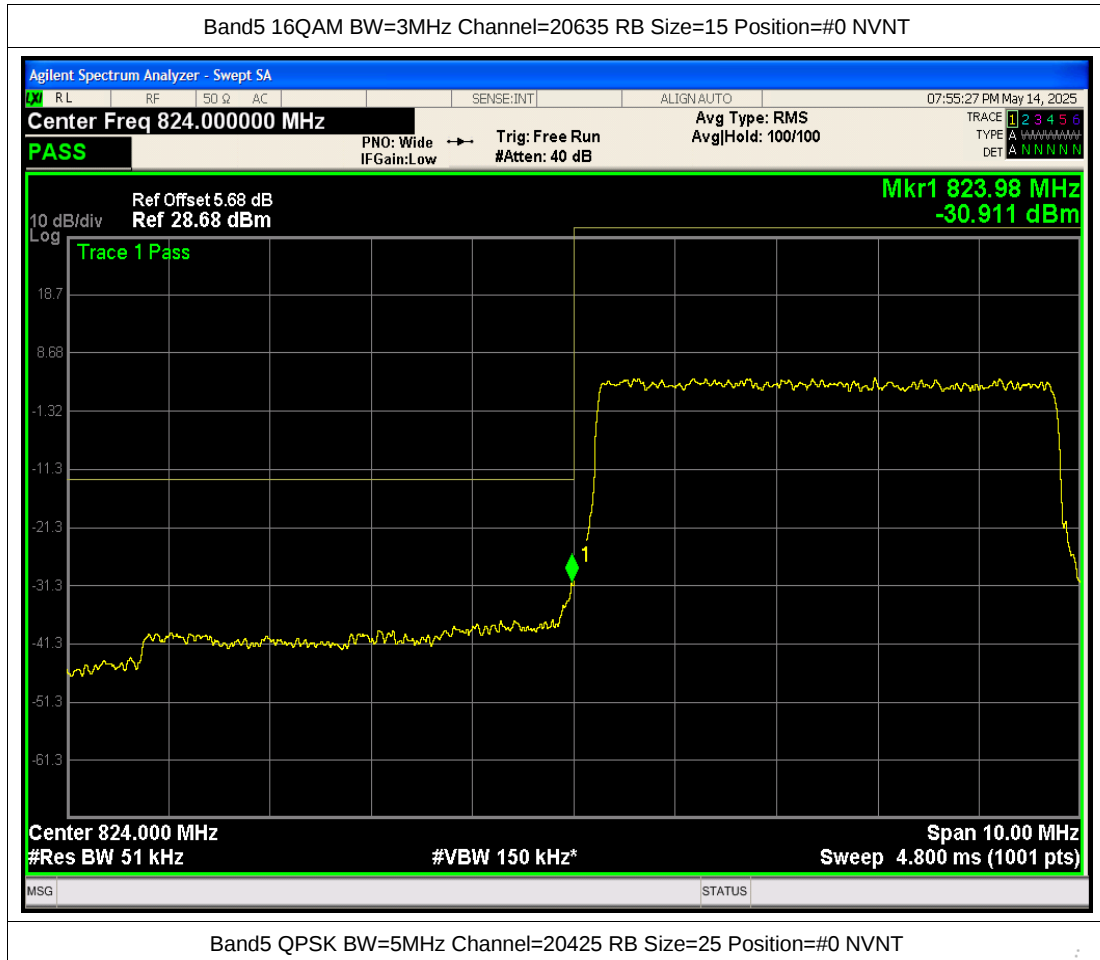






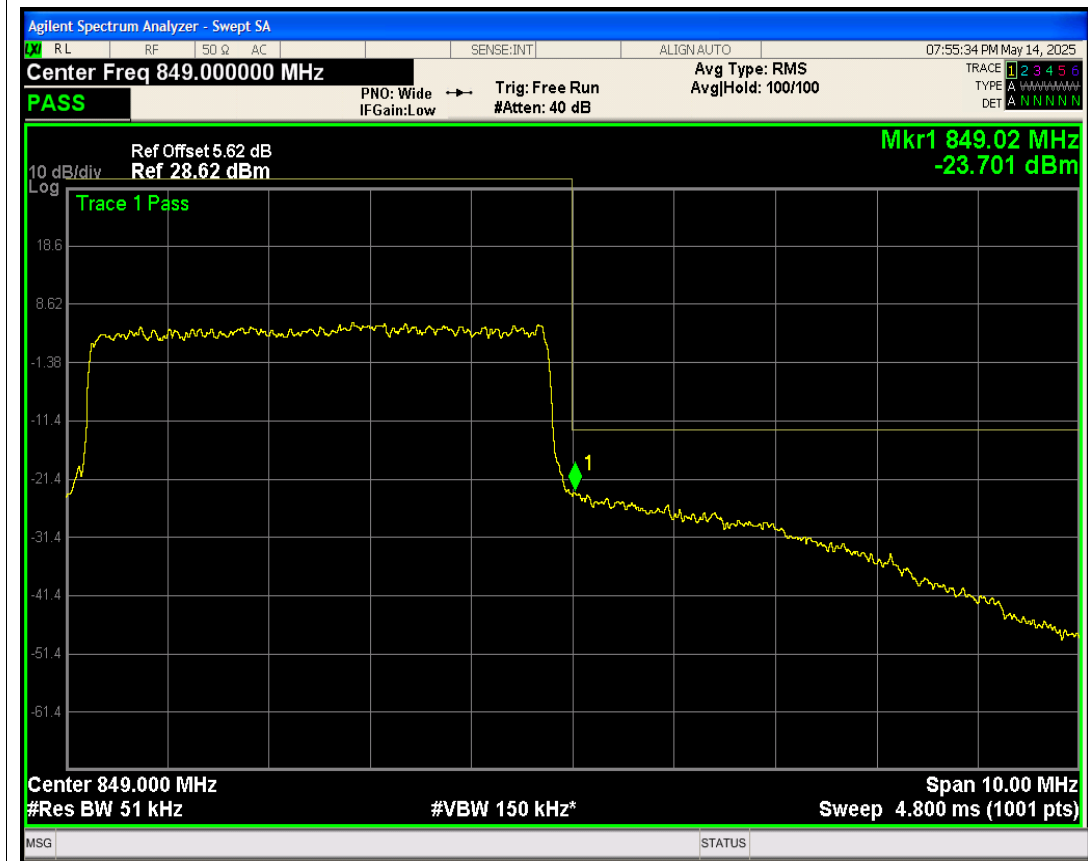
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT

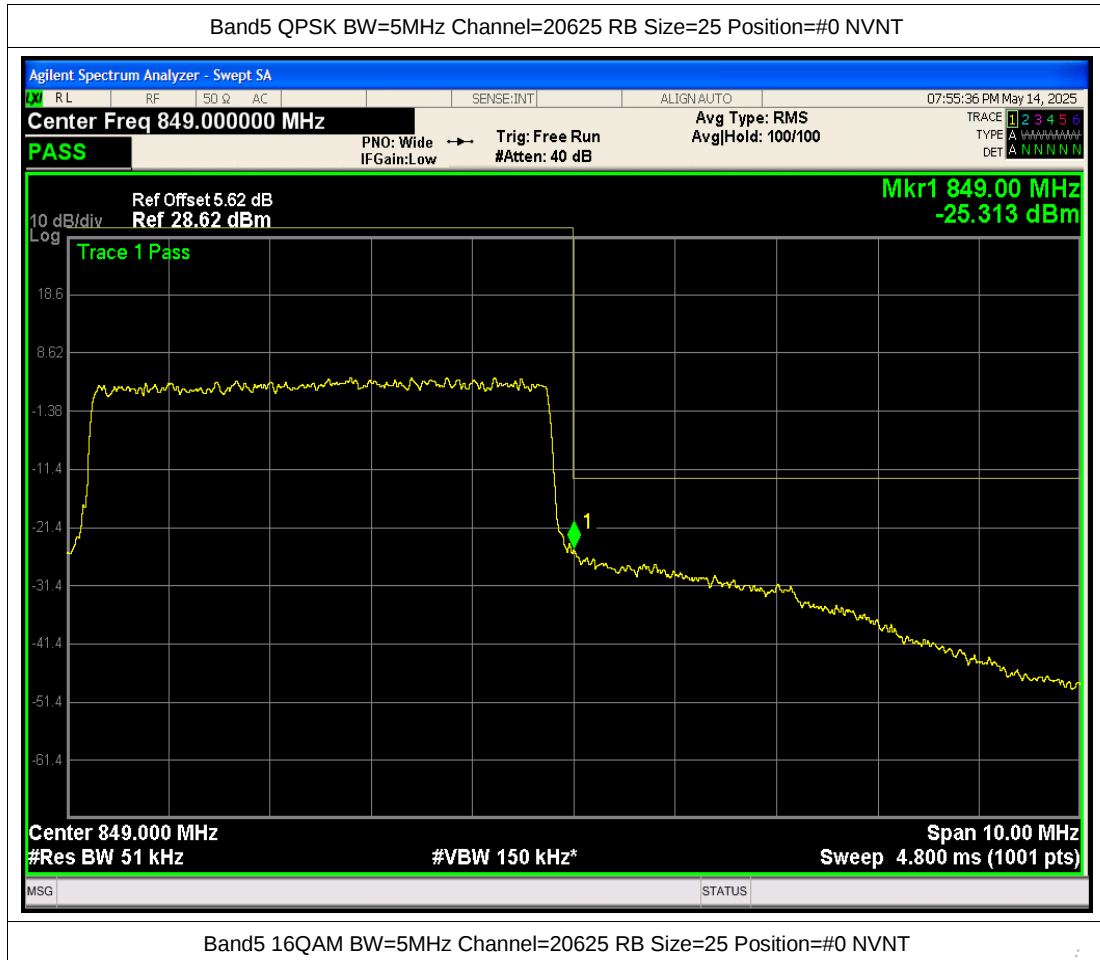






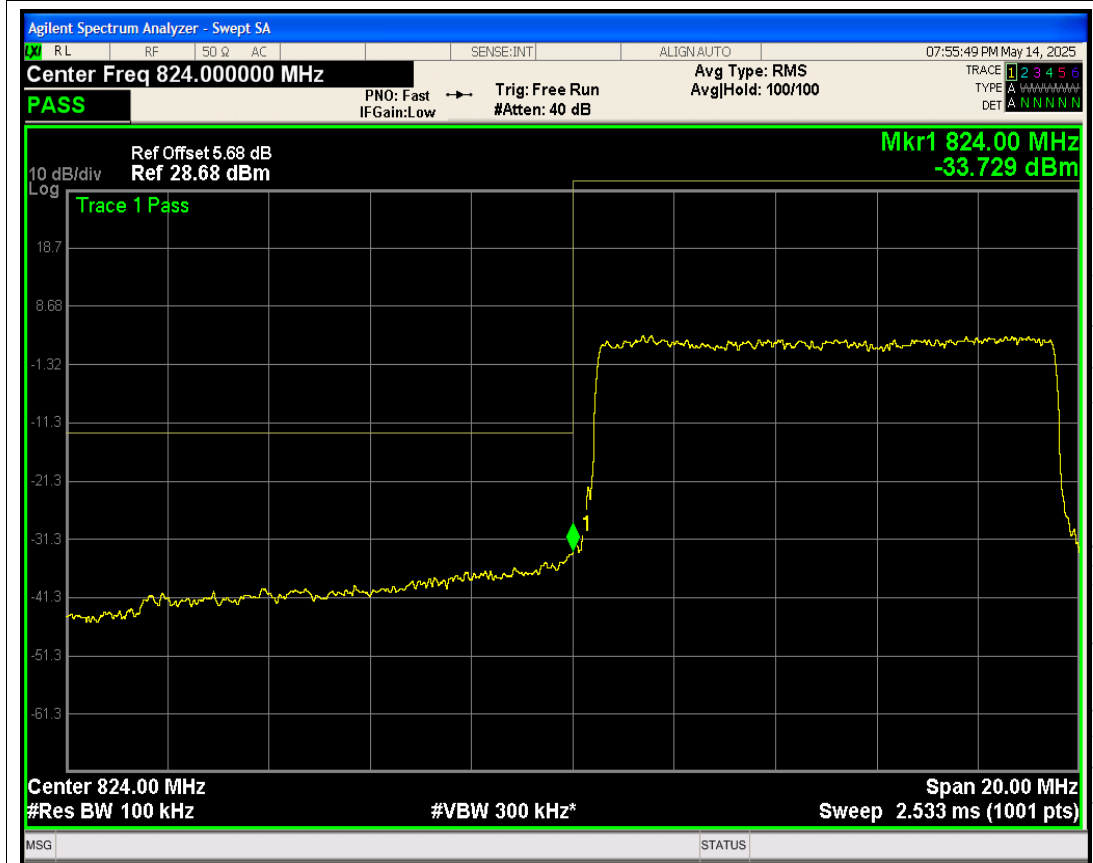
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT

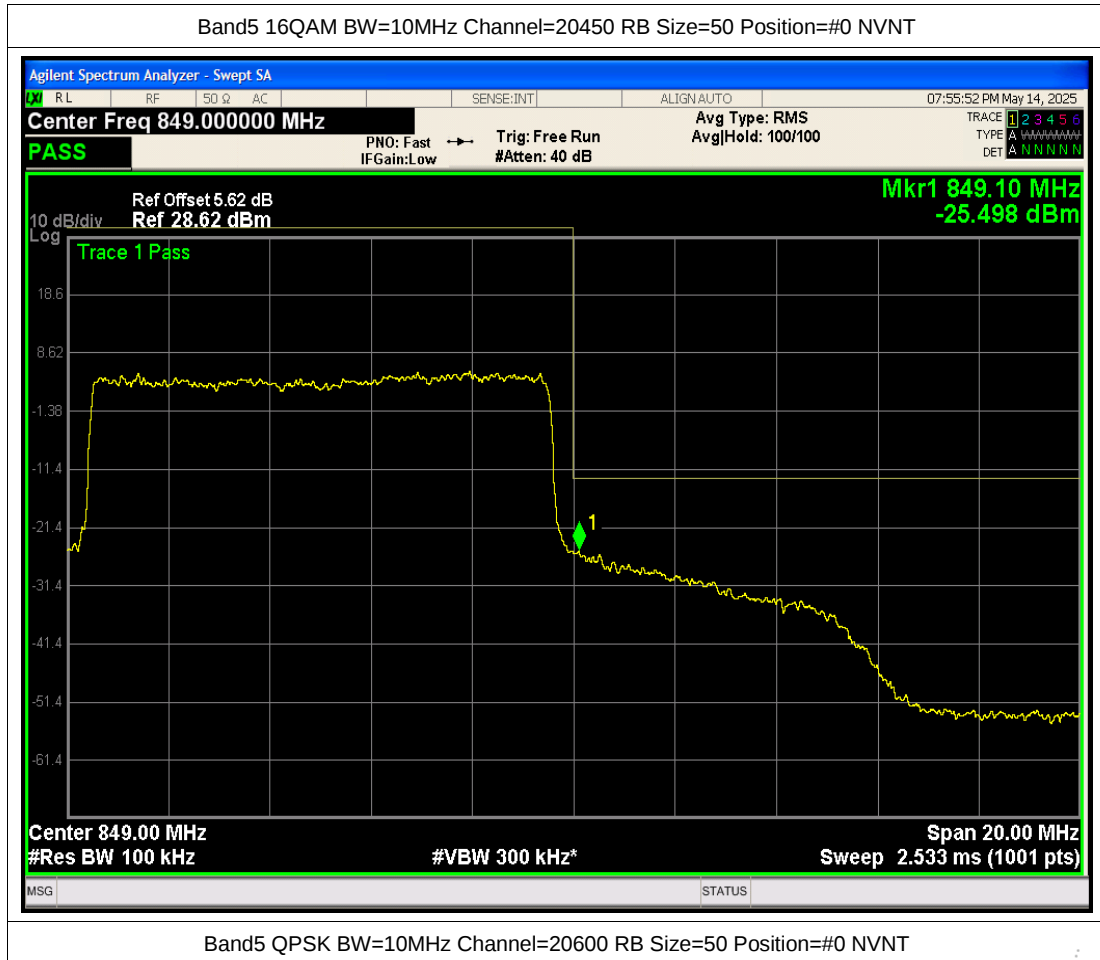


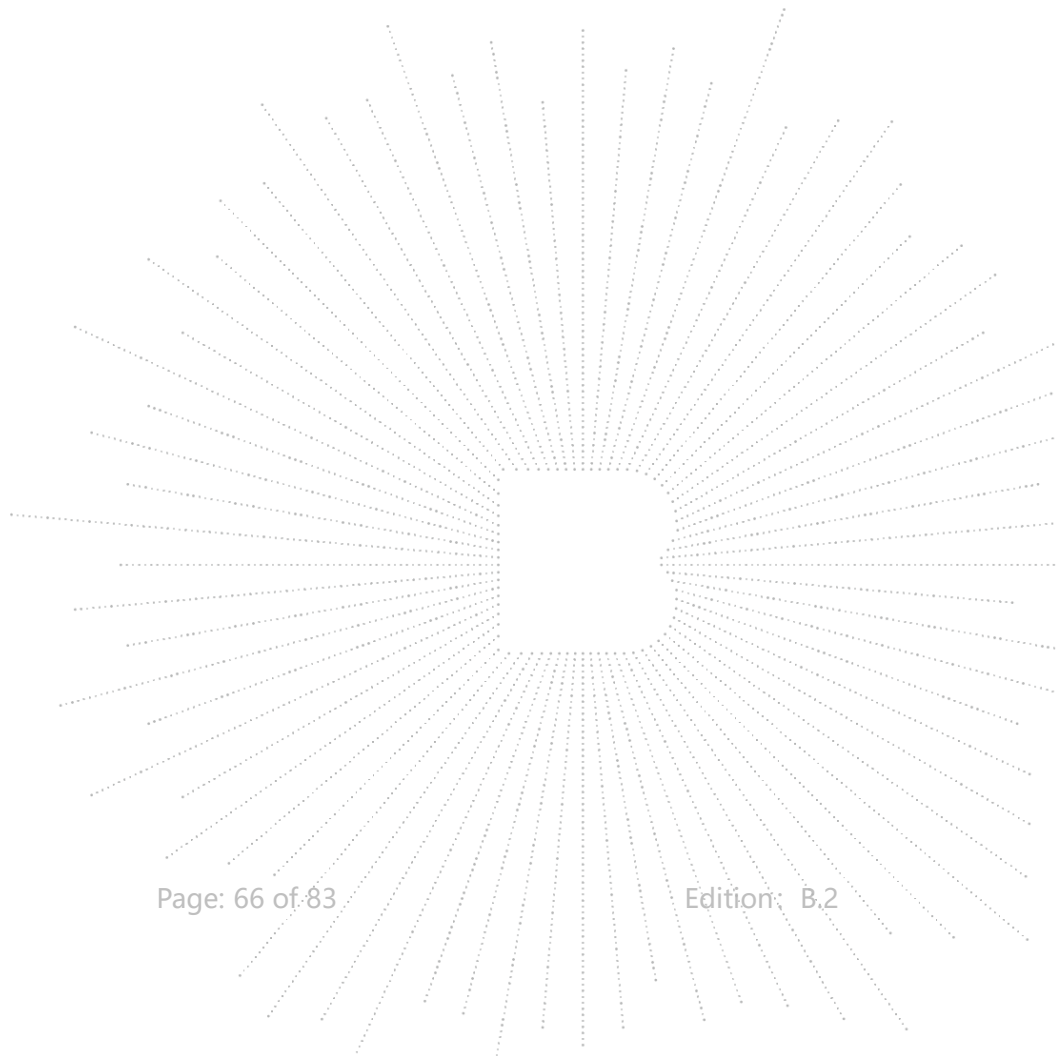
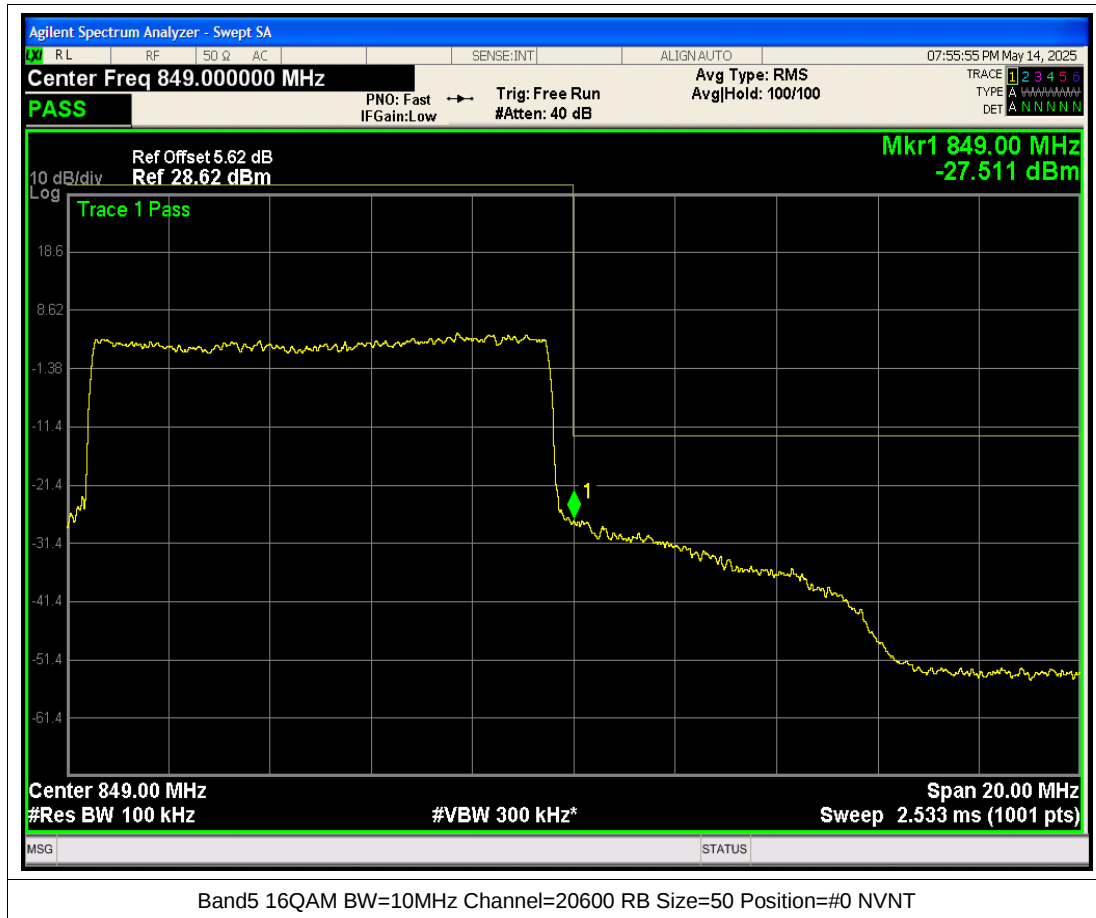




Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT

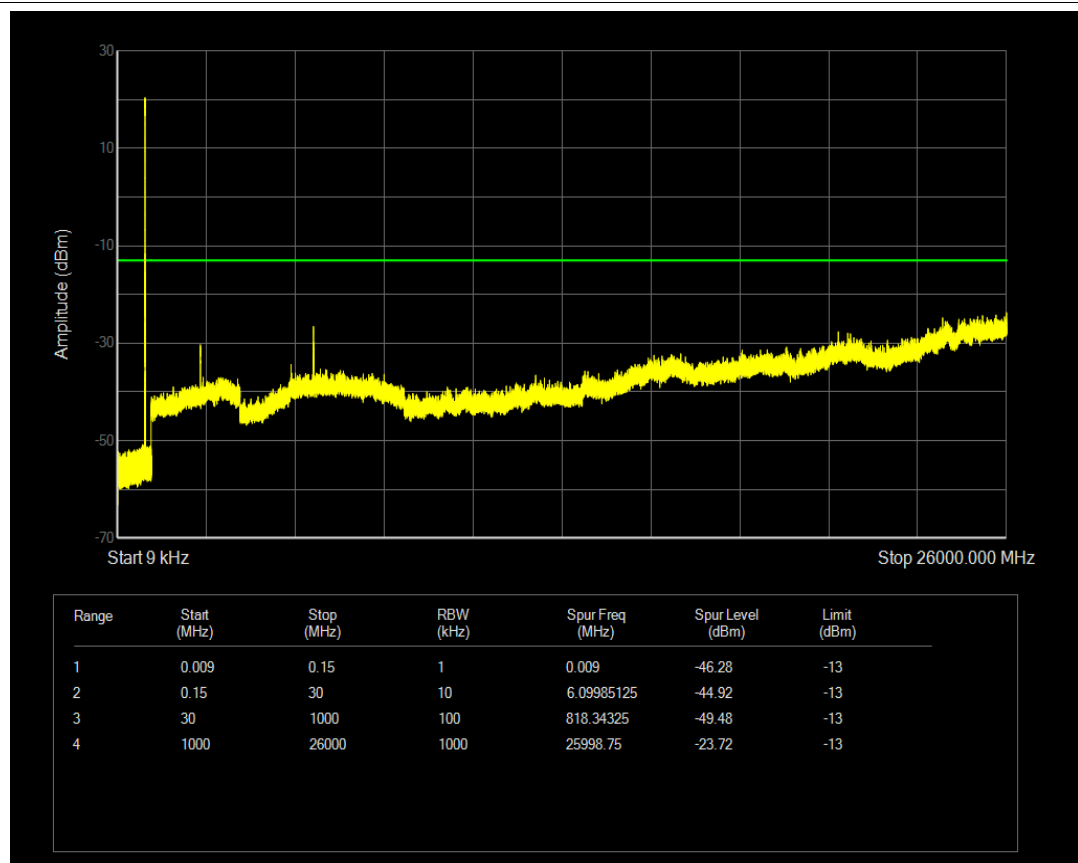




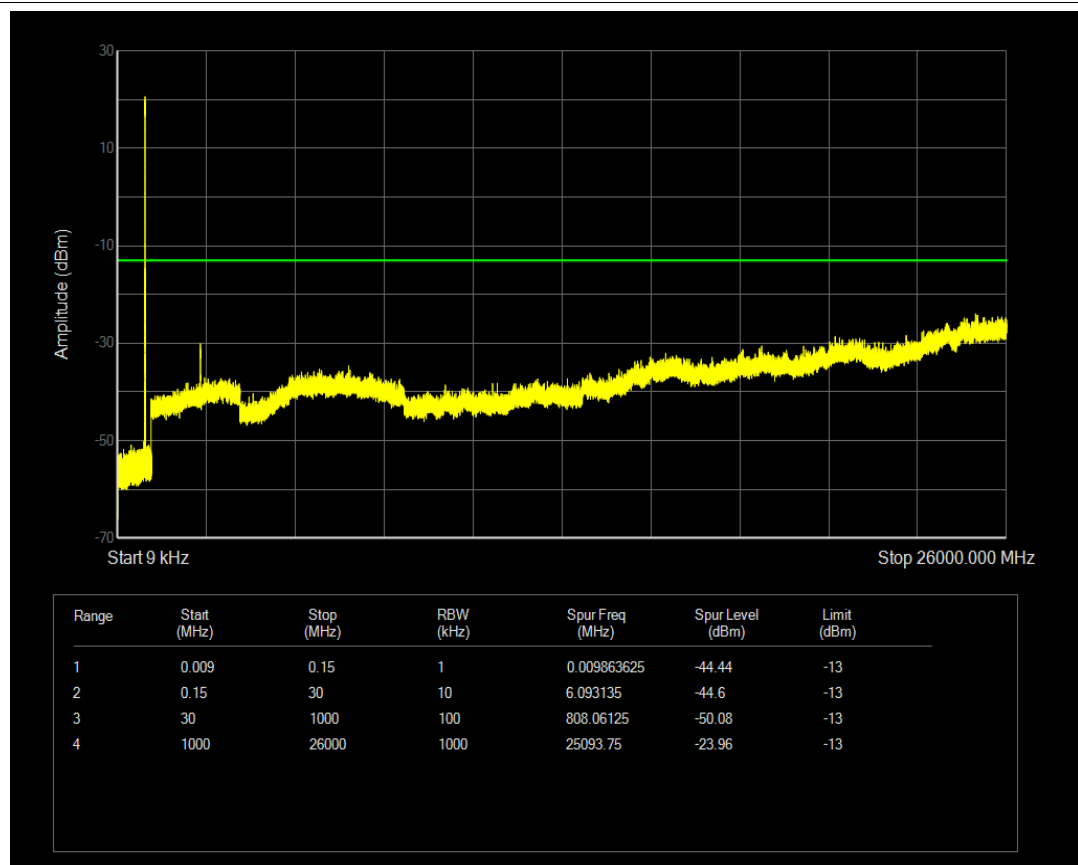


Appendix 6.Out-of-band emissions

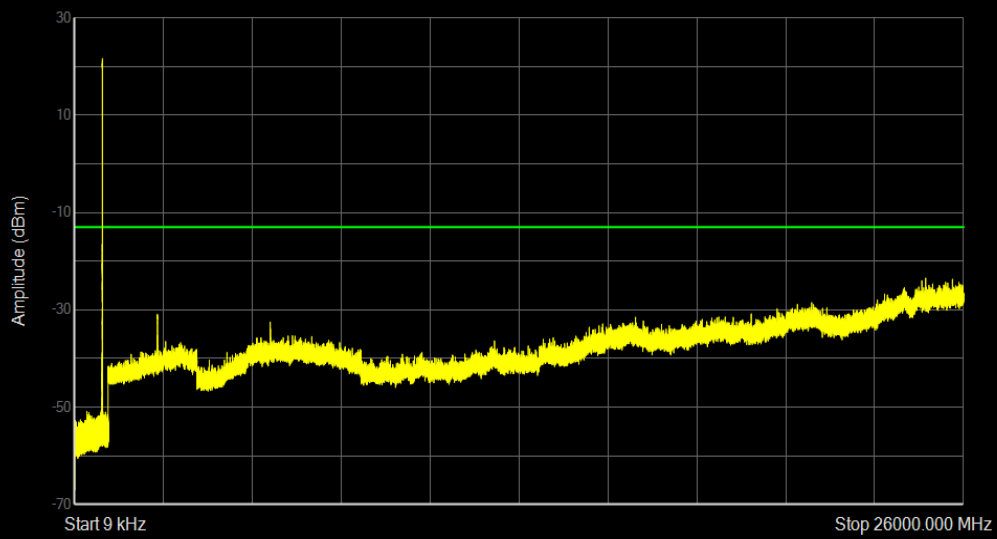
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	25998.75	-23.72	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	25093.75	-23.96	-13	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	24892.50	-23.51	-13	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	25894.38	-23.95	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	25475.00	-24.09	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	25355.00	-24.45	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	24835.63	-24.04	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	25956.88	-23.24	-13	PASS
NVNT	Band5	3	20525	15	#0	QPSK	25789.38	-24.38	-13	PASS
NVNT	Band5	3	20525	15	#0	16QAM	25614.38	-23.65	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	25083.75	-24.39	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	25768.75	-23.79	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	25881.88	-24.04	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	25027.50	-23.59	-13	PASS
NVNT	Band5	5	20525	25	#0	QPSK	24715.63	-24.14	-13	PASS
NVNT	Band5	5	20525	25	#0	16QAM	25951.25	-23.65	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	24618.75	-23.89	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	25977.50	-23.77	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	25891.88	-23.56	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	25622.50	-24.51	-13	PASS
NVNT	Band5	10	20525	50	#0	QPSK	25598.13	-23.81	-13	PASS
NVNT	Band5	10	20525	50	#0	16QAM	25748.75	-23.89	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	25390.00	-24.50	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	25764.38	-24.27	-13	PASS



Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

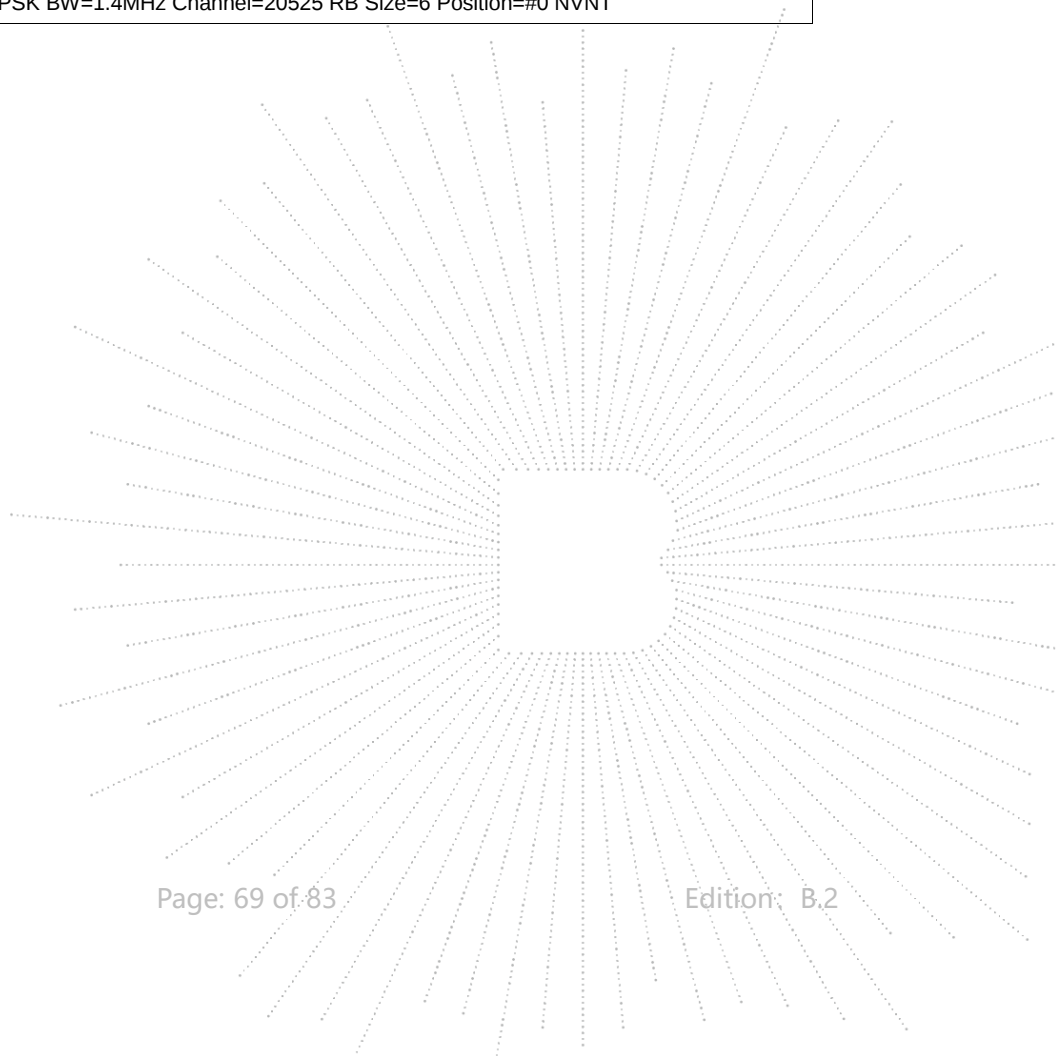


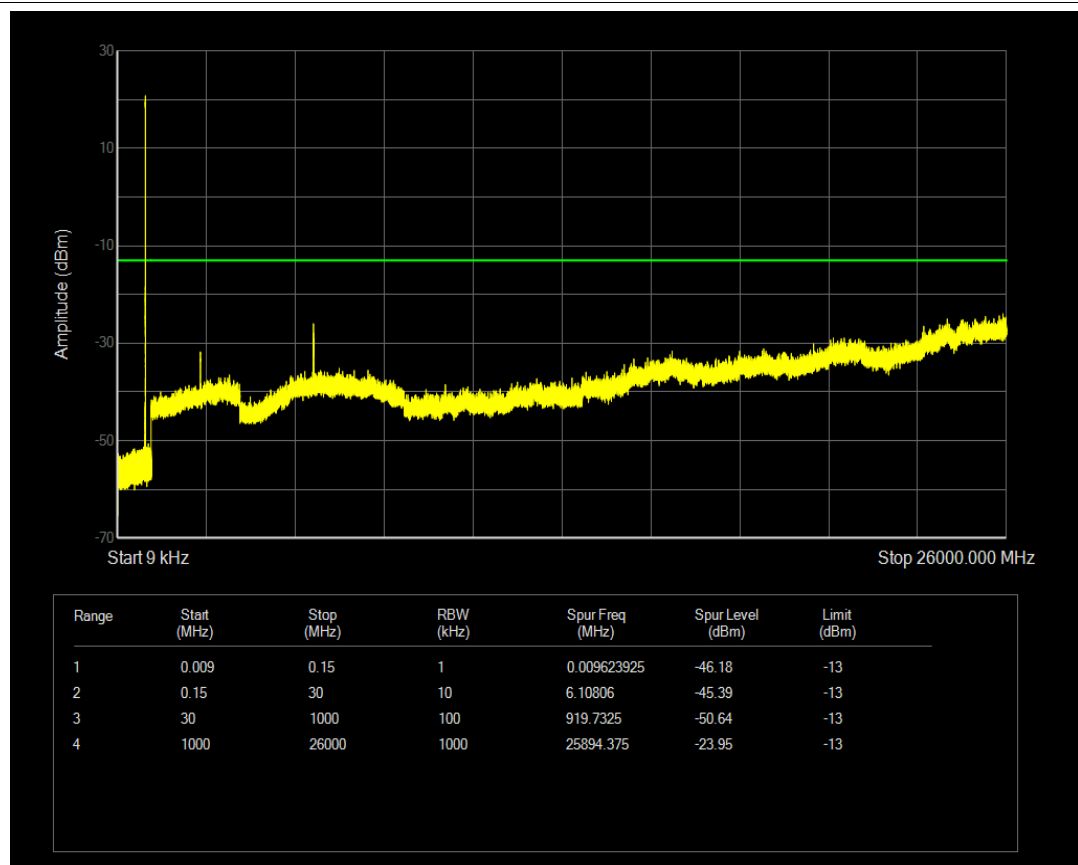
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



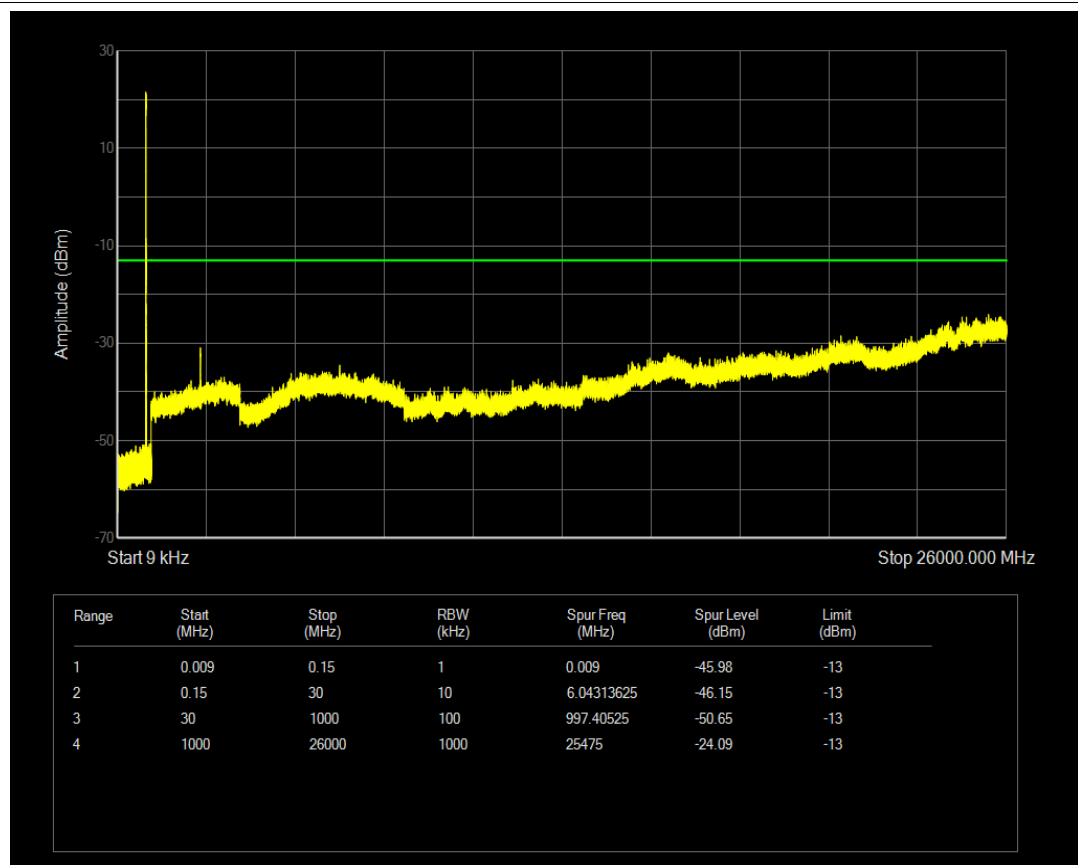
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.84	-13
2	0.15	30	10	6.1095525	-45.86	-13
3	30	1000	100	817.3005	-50.39	-13
4	1000	26000	1000	24892.5	-23.51	-13

Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT

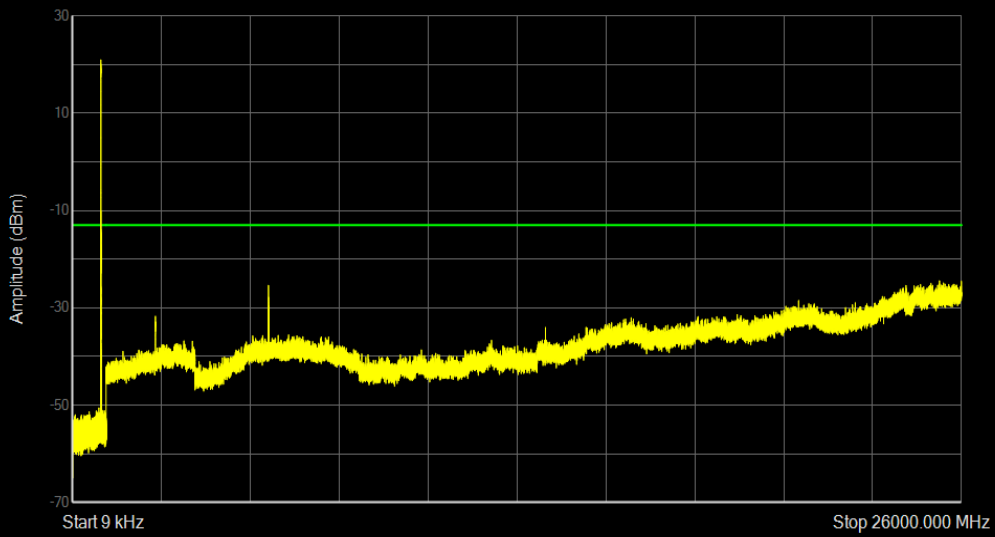




Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT

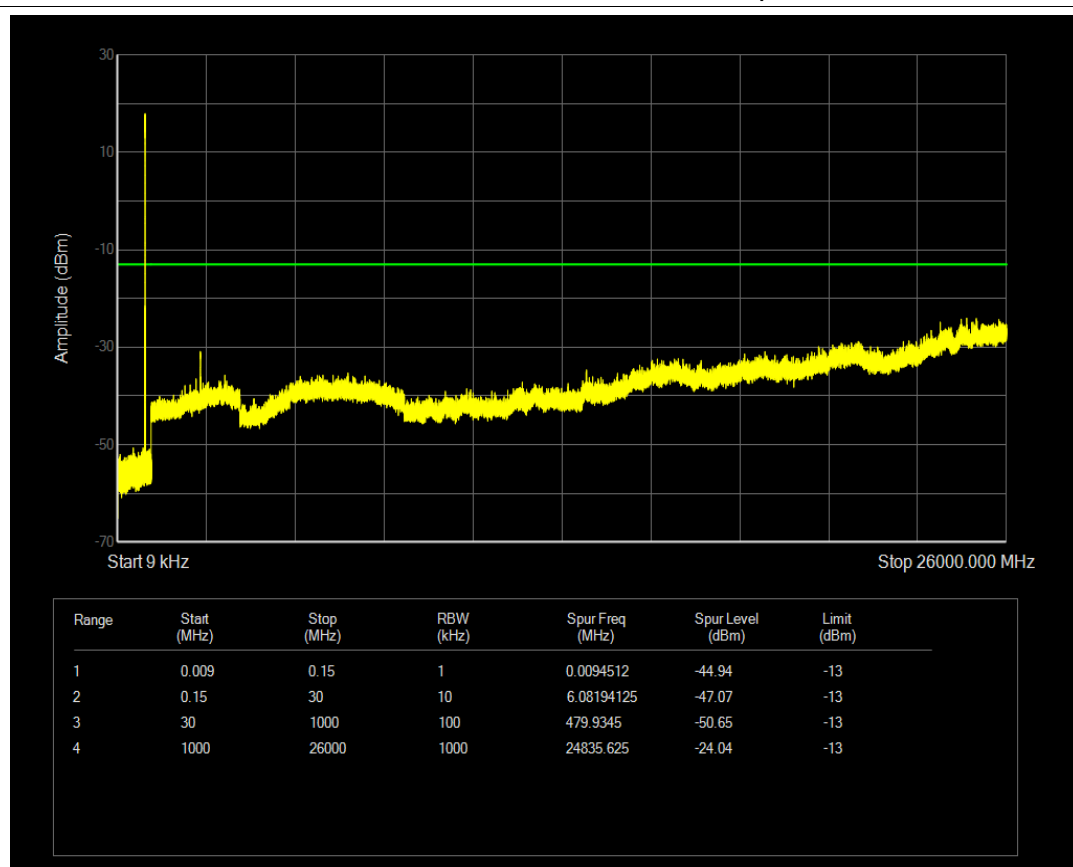


Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT

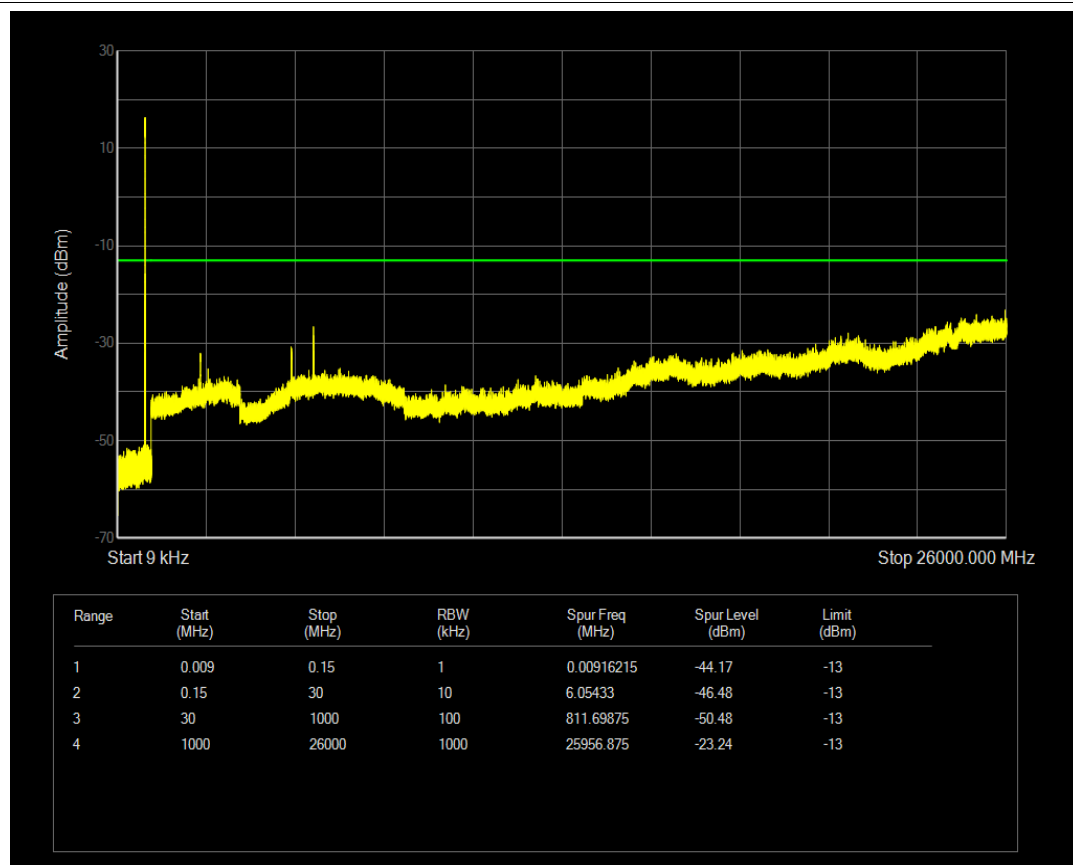


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009694425	-45.17	-13
2	0.15	30	10	6.12	-46.16	-13
3	30	1000	100	790.577	-50.57	-13
4	1000	26000	1000	25355	-24.45	-13

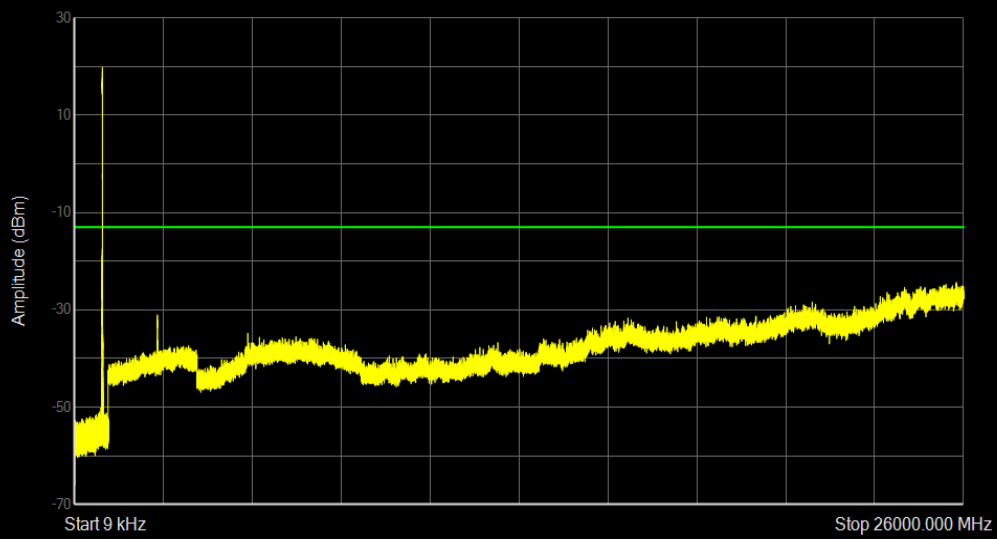
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT

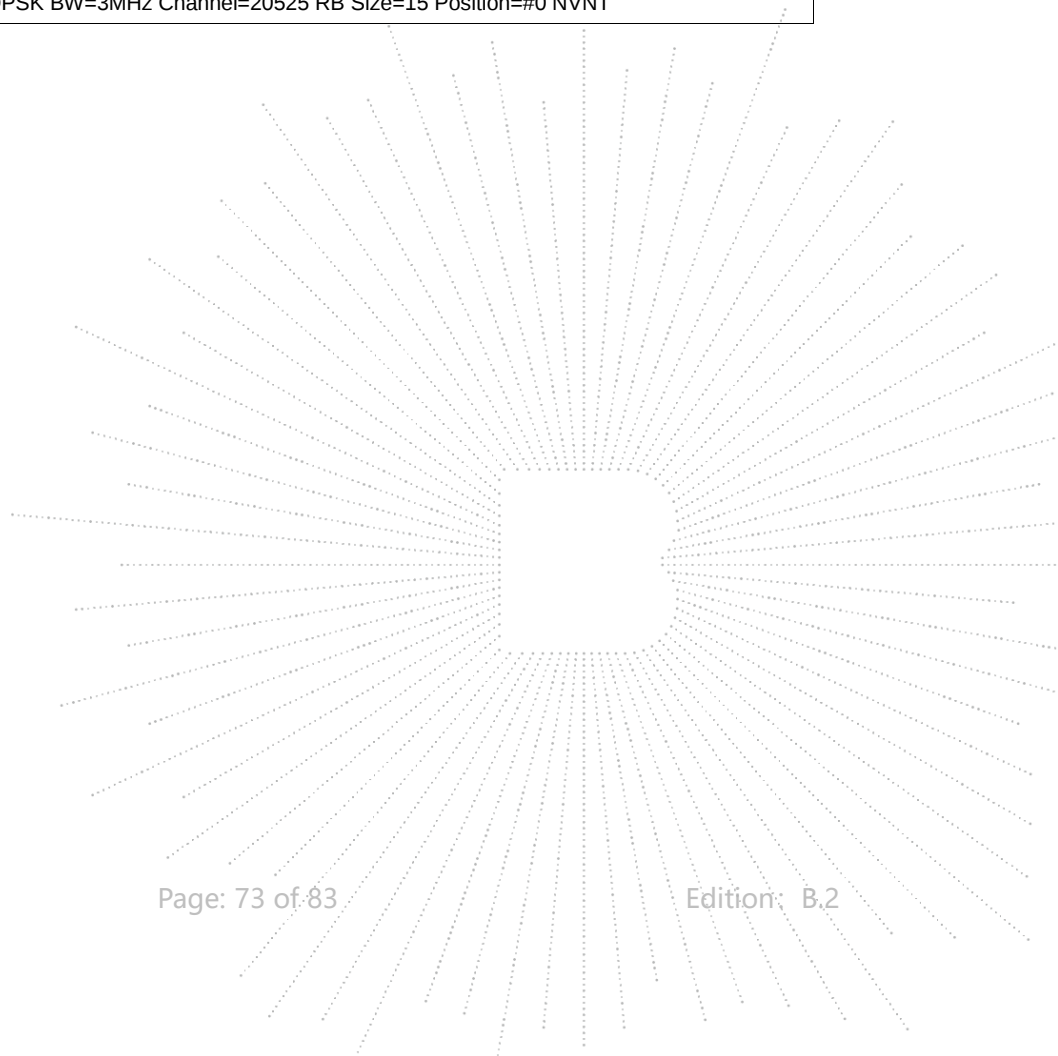


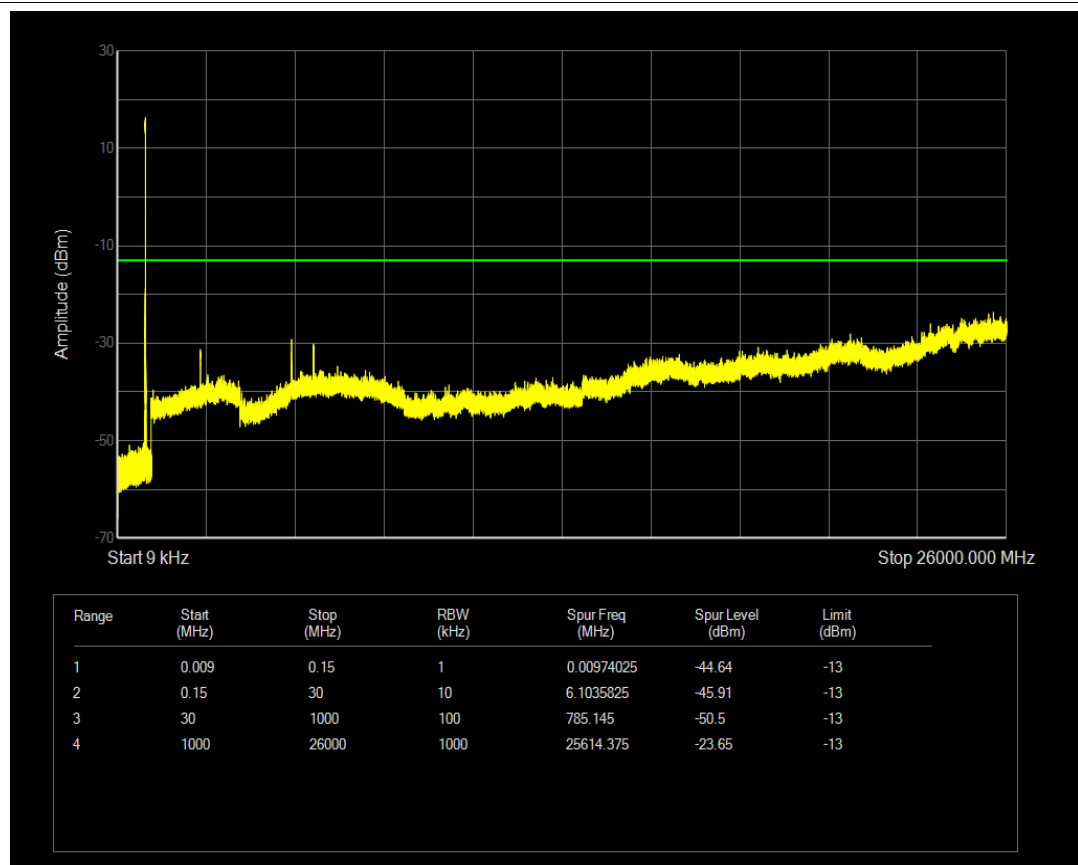
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



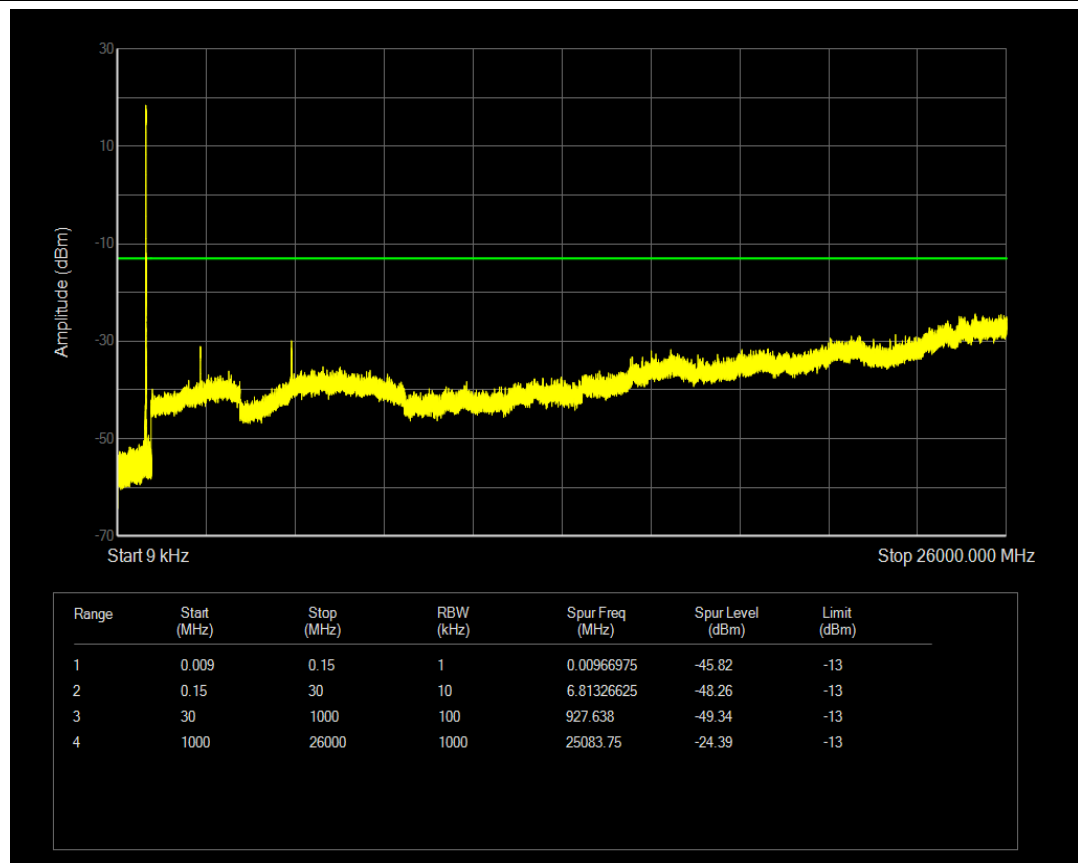
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.11740785	-46.31	-13
2	0.15	30	10	6.09612	-46.16	-13
3	30	1000	100	792.226	-50.17	-13
4	1000	26000	1000	25789.375	-24.38	-13

Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT

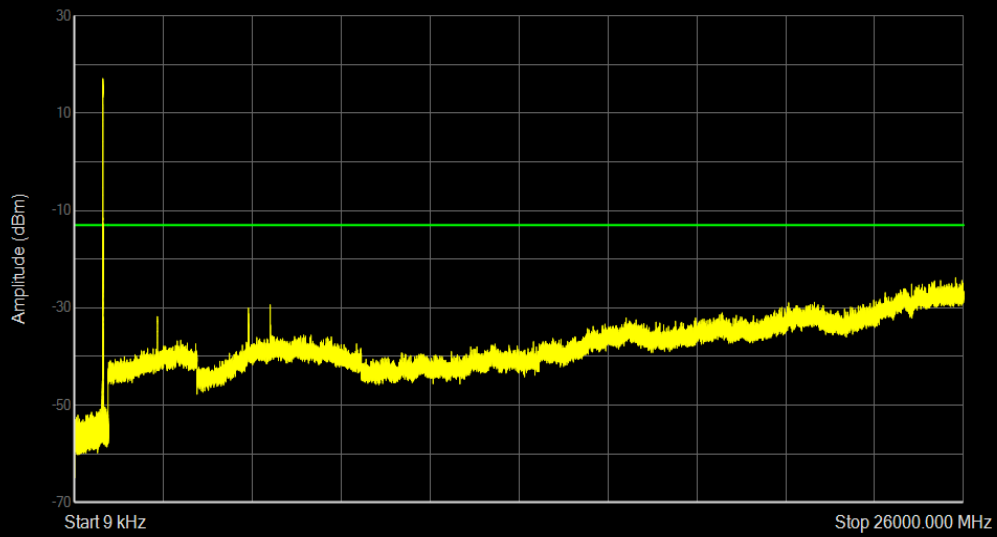




Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT

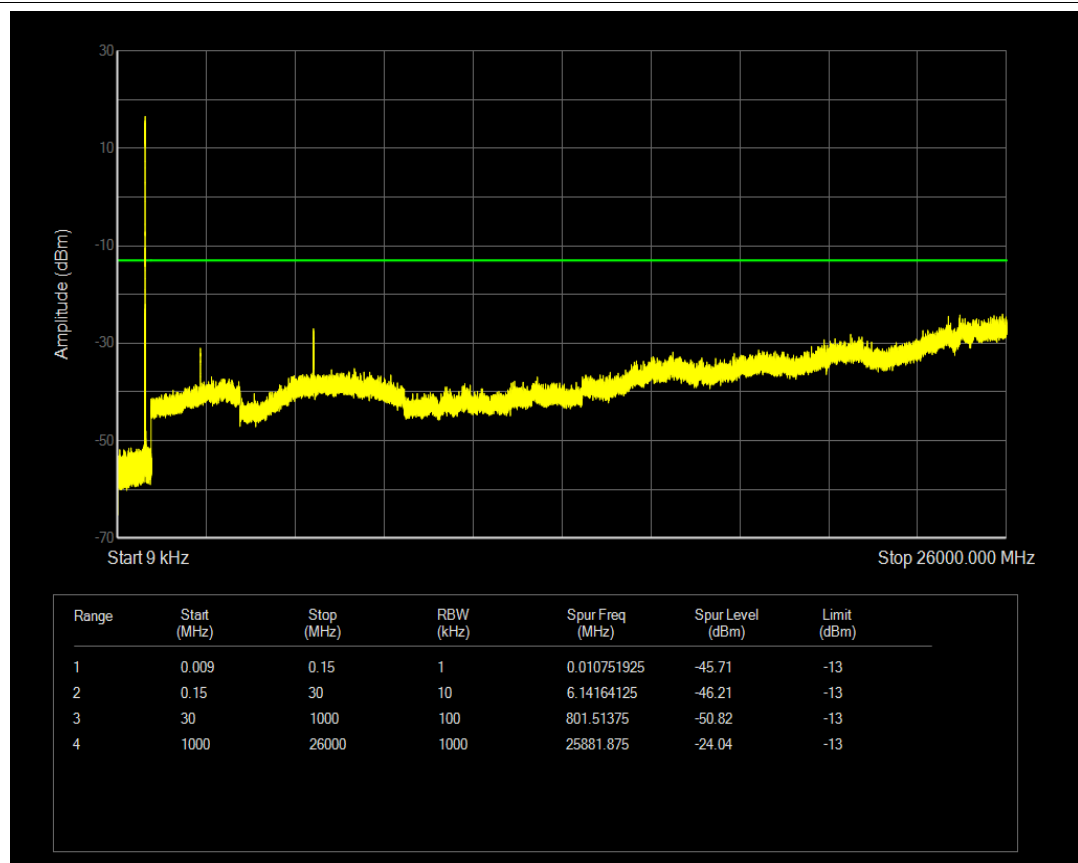


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT

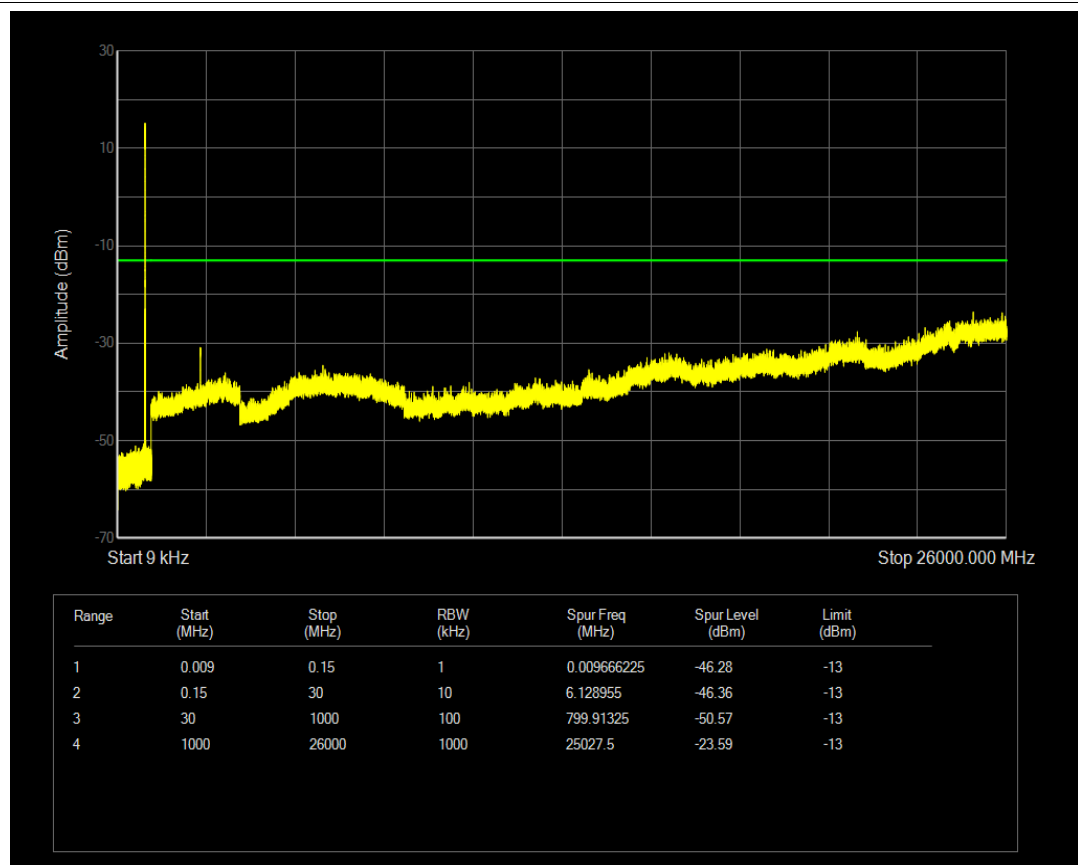


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00989535	-45.53	-13
2	0.15	30	10	6.11328375	-45.79	-13
3	30	1000	100	907.82575	-50.4	-13
4	1000	26000	1000	25768.75	-23.79	-13

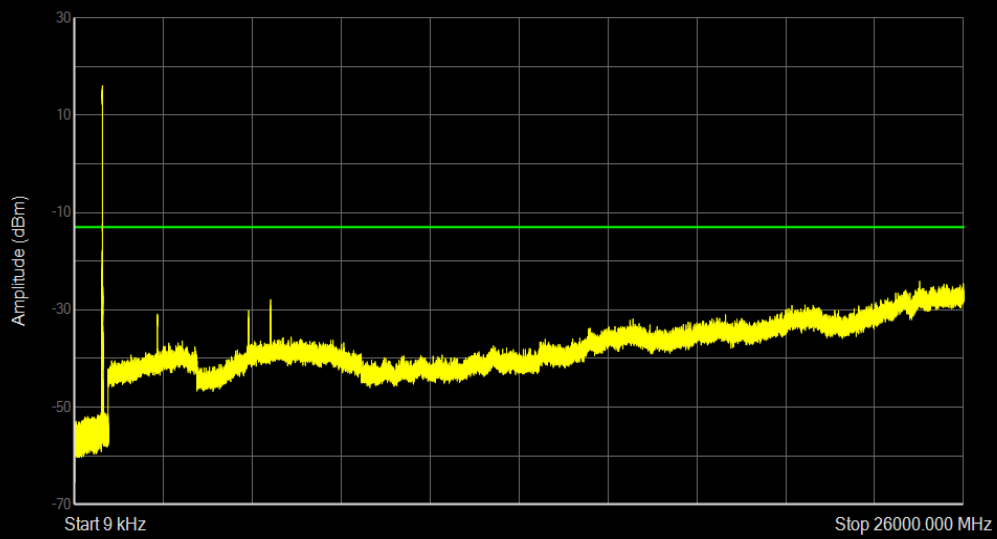
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT

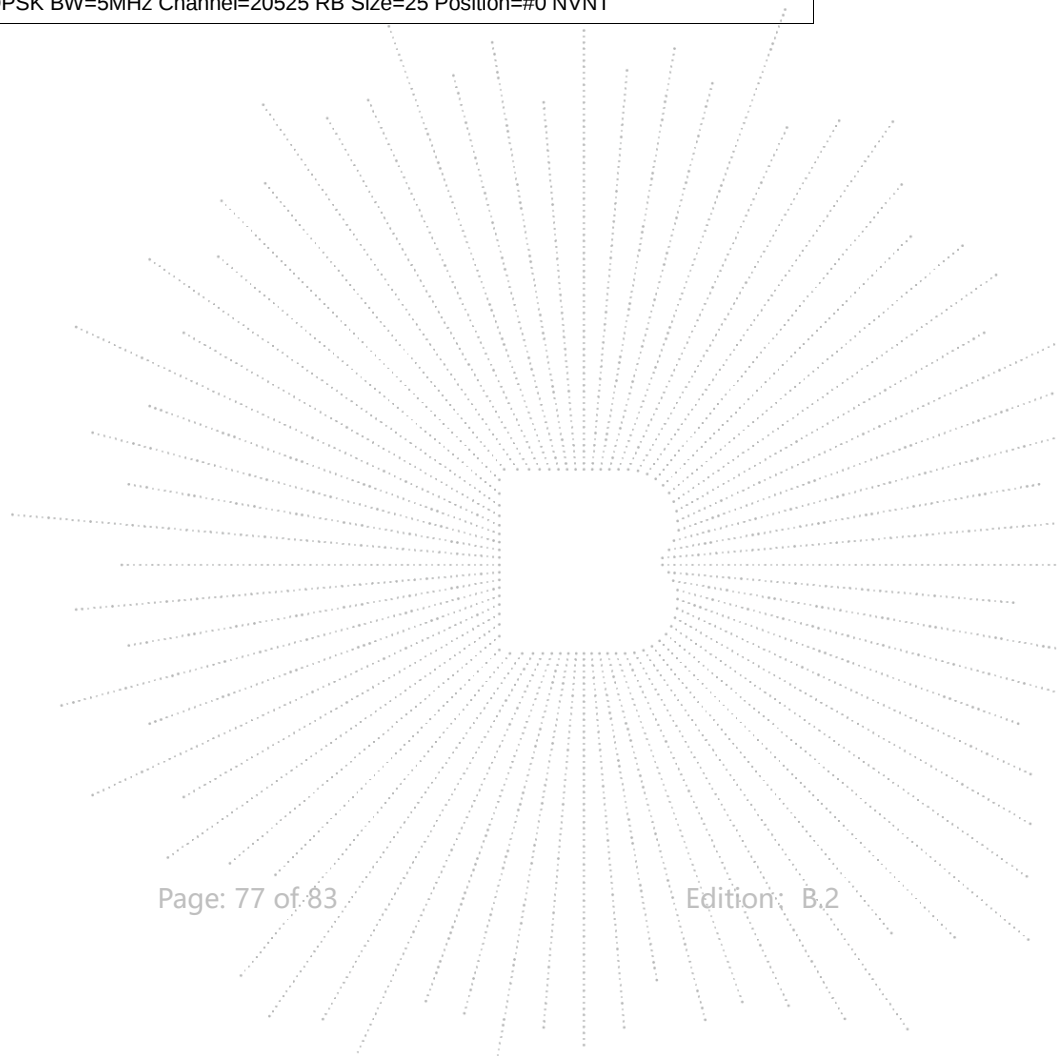


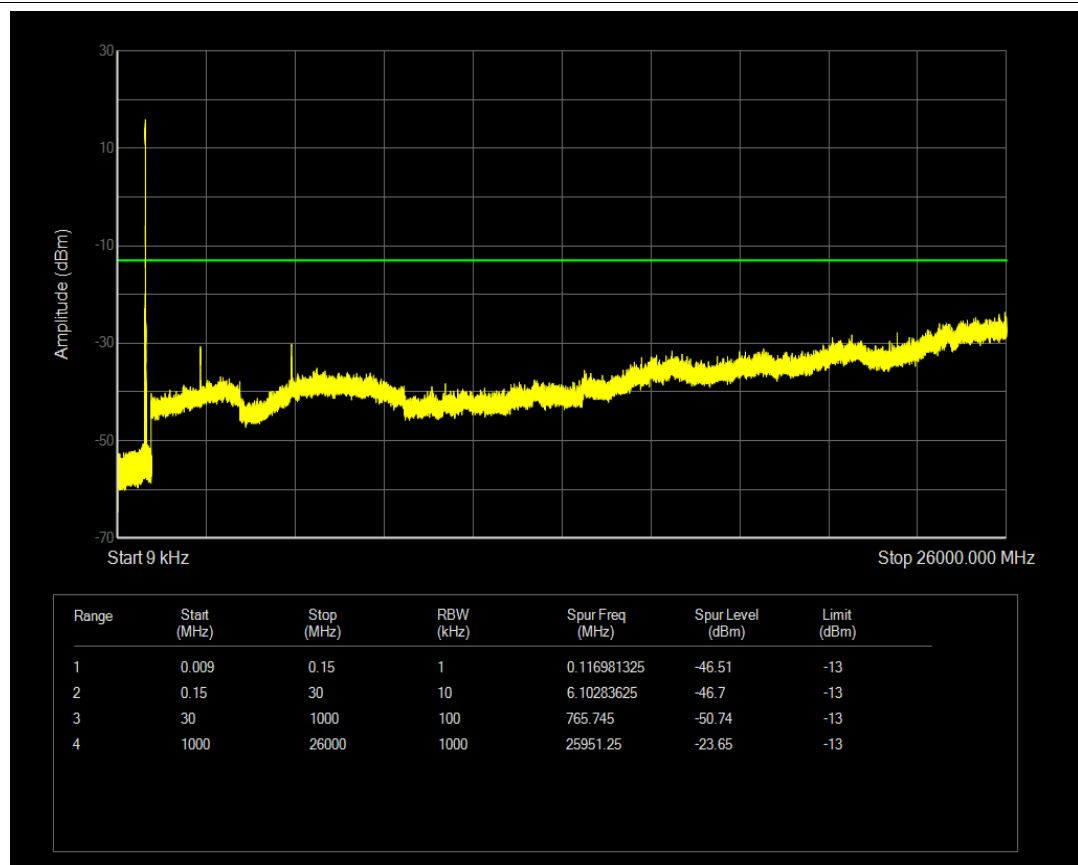
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



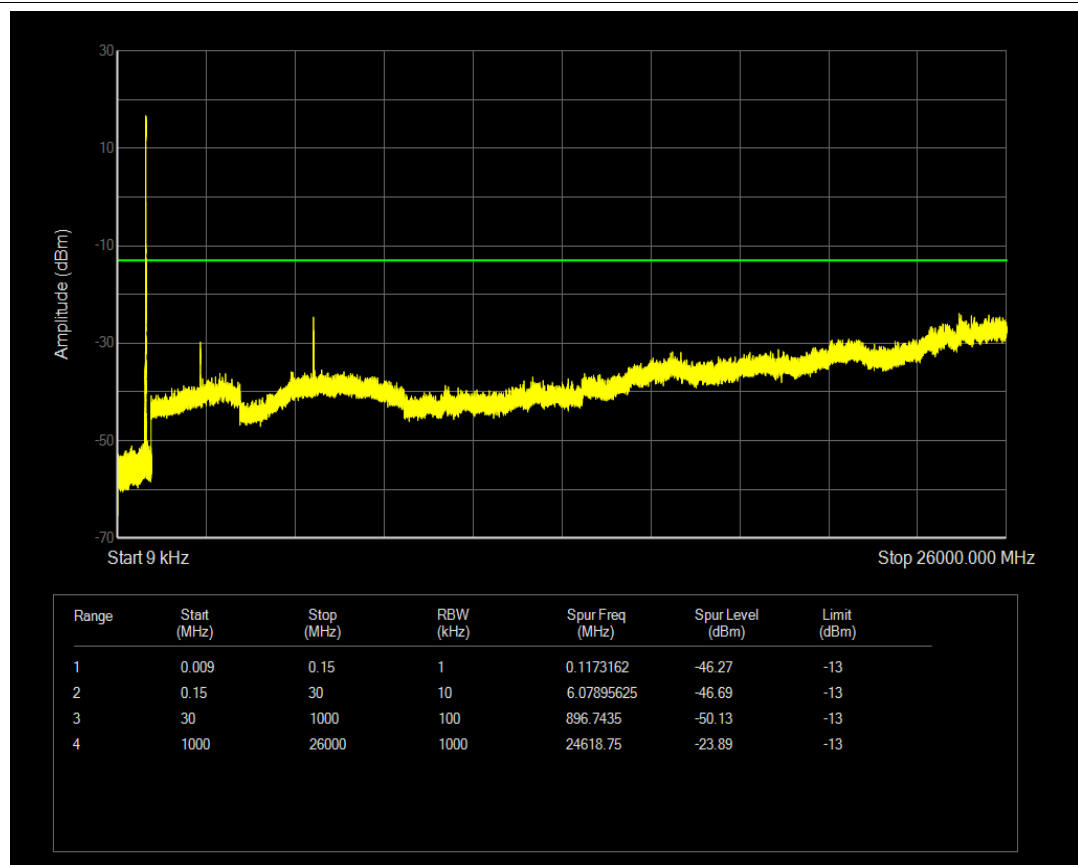
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095358	-45.88	-13
2	0.15	30	10	6.099105	-46.16	-13
3	30	1000	100	873.318	-51.02	-13
4	1000	26000	1000	24715.625	-24.14	-13

Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT

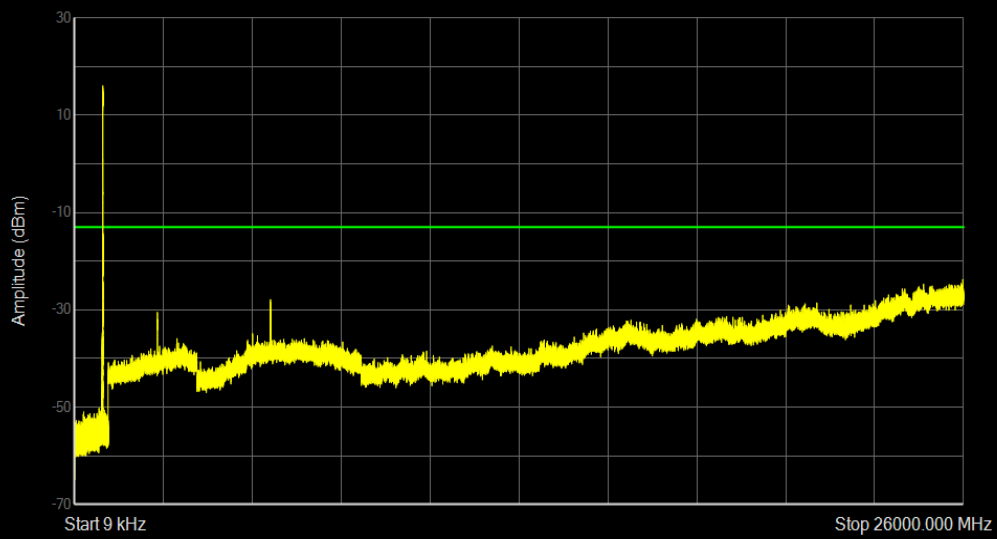




Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT

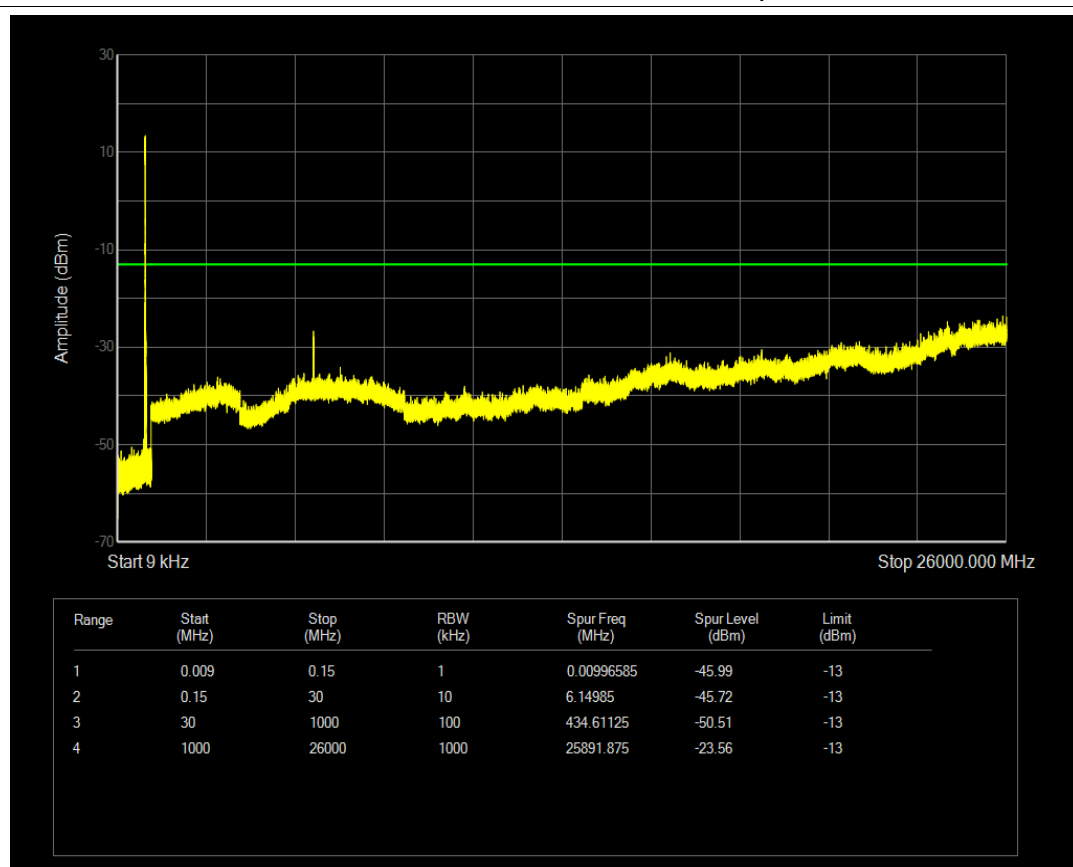


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT

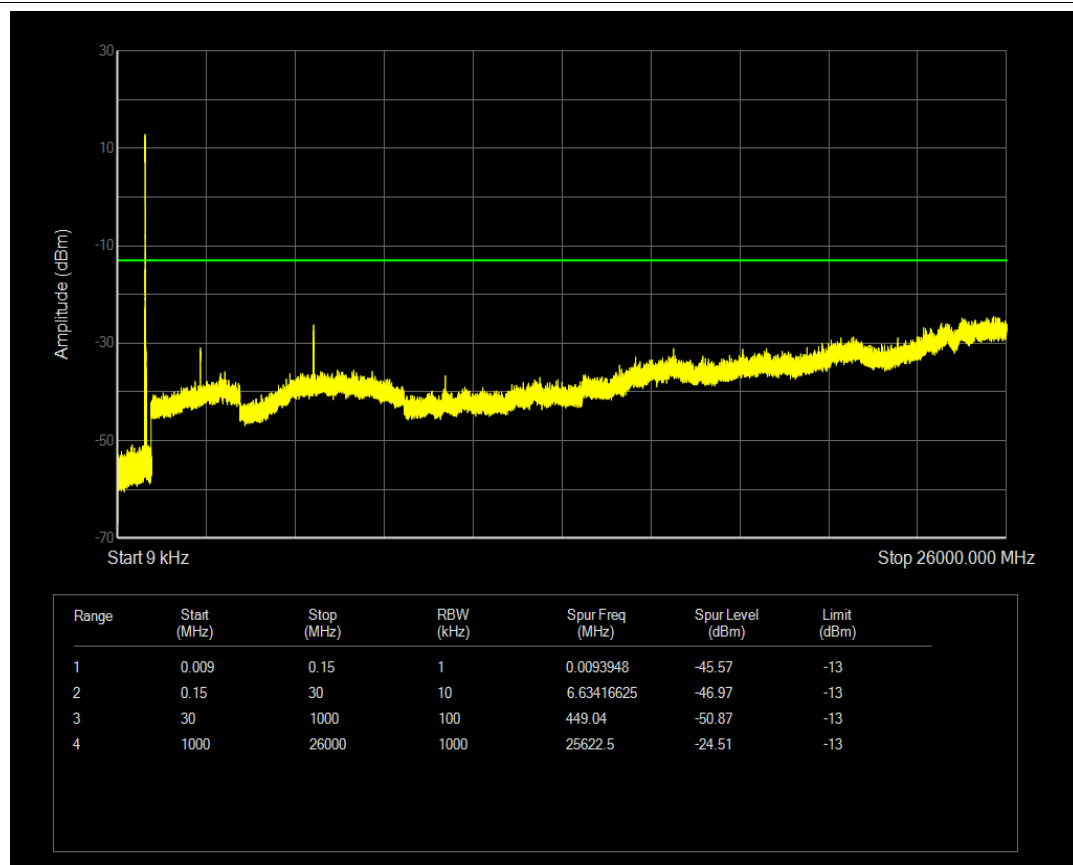


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009588675	-45.98	-13
2	0.15	30	10	6.09388125	-46.93	-13
3	30	1000	100	737.63925	-50.25	-13
4	1000	26000	1000	25977.5	-23.77	-13

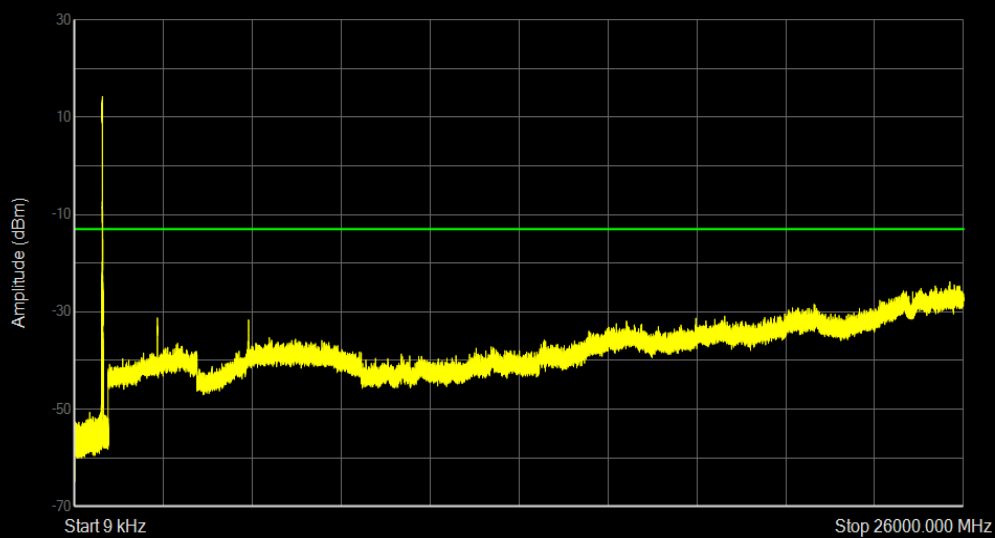
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT

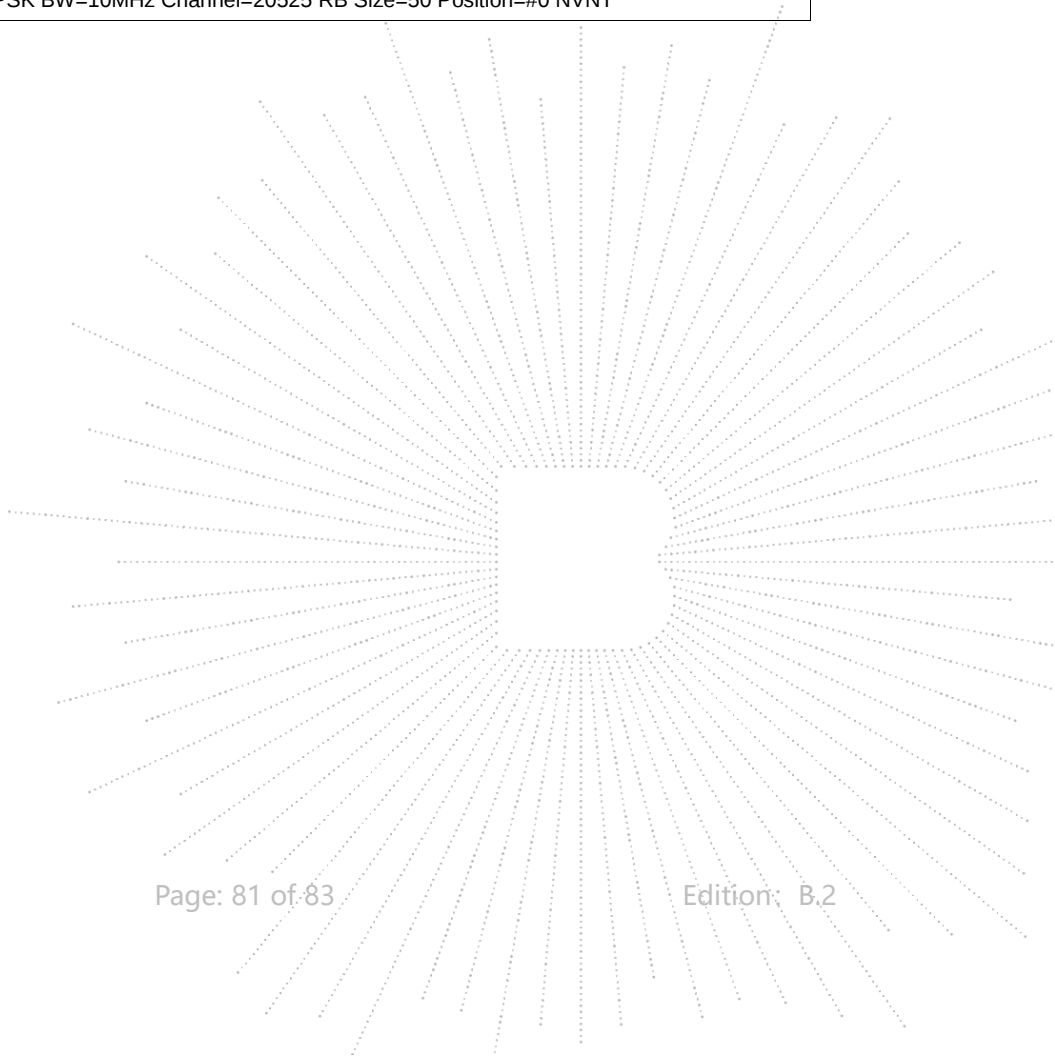


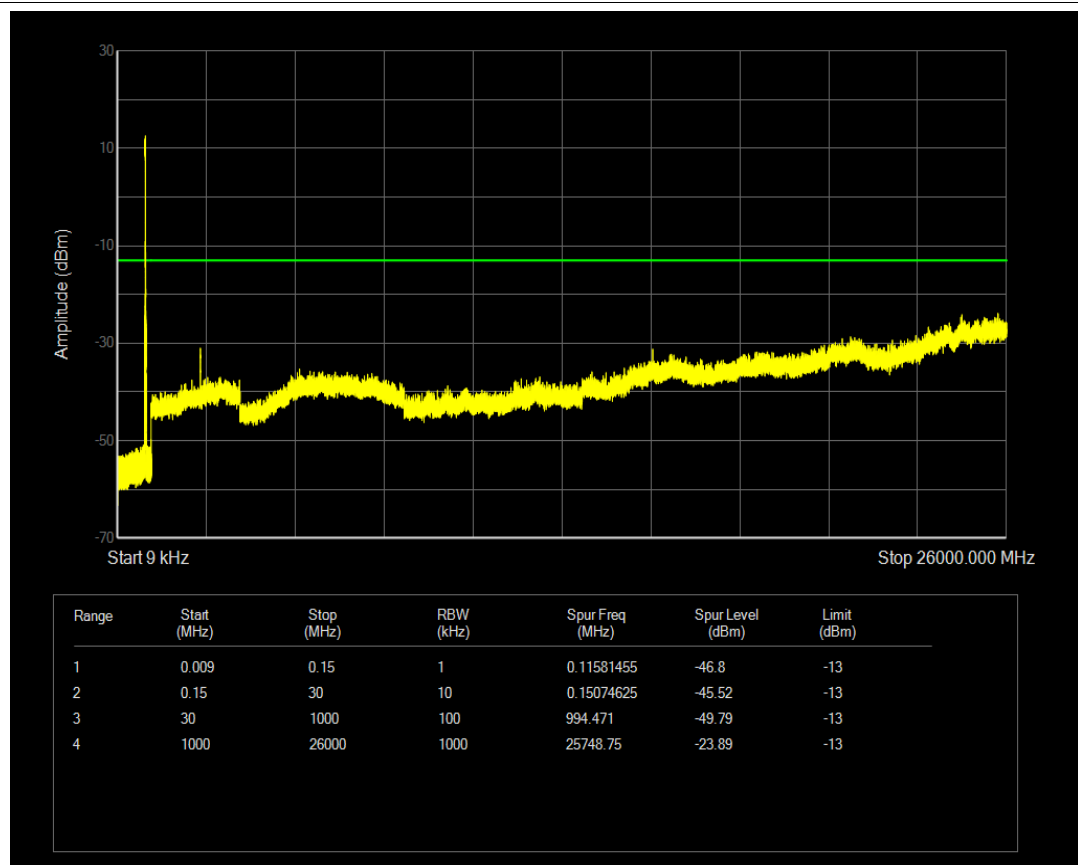
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



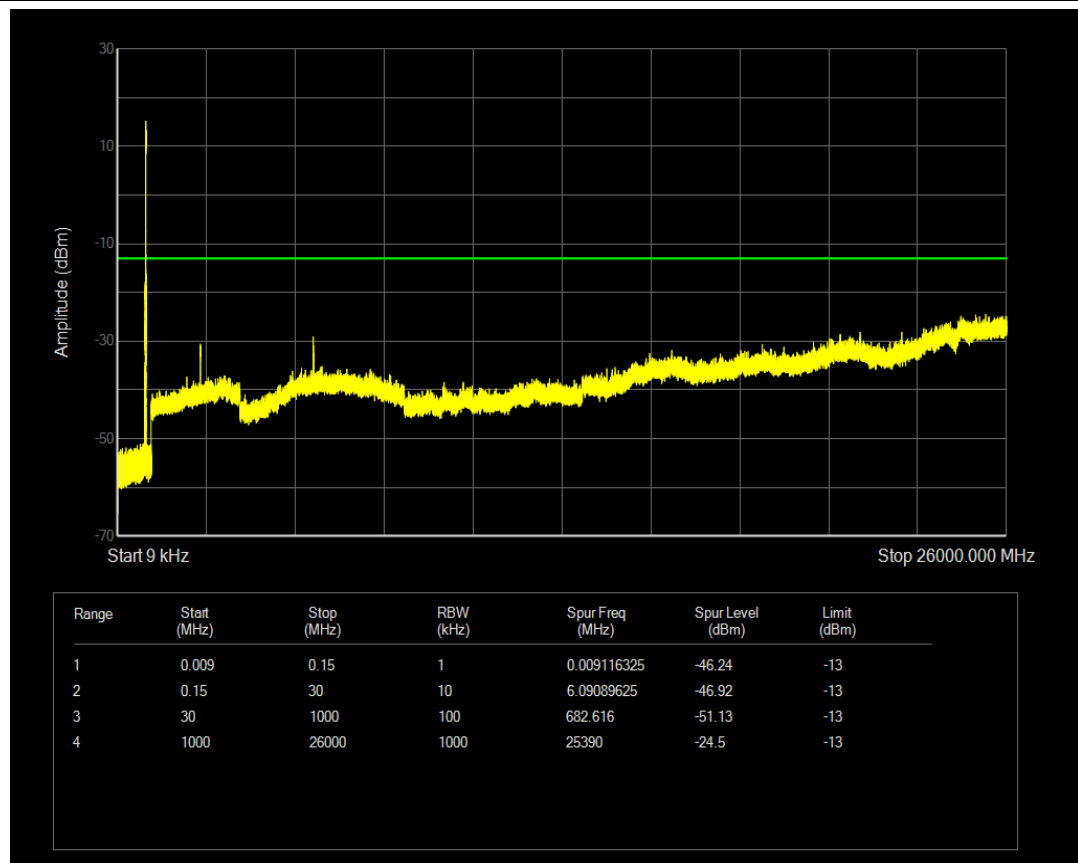
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-46.4	-13
2	0.15	30	10	5.95060125	-46.28	-13
3	30	1000	100	462.98375	-50.68	-13
4	1000	26000	1000	25598.125	-23.81	-13

Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT

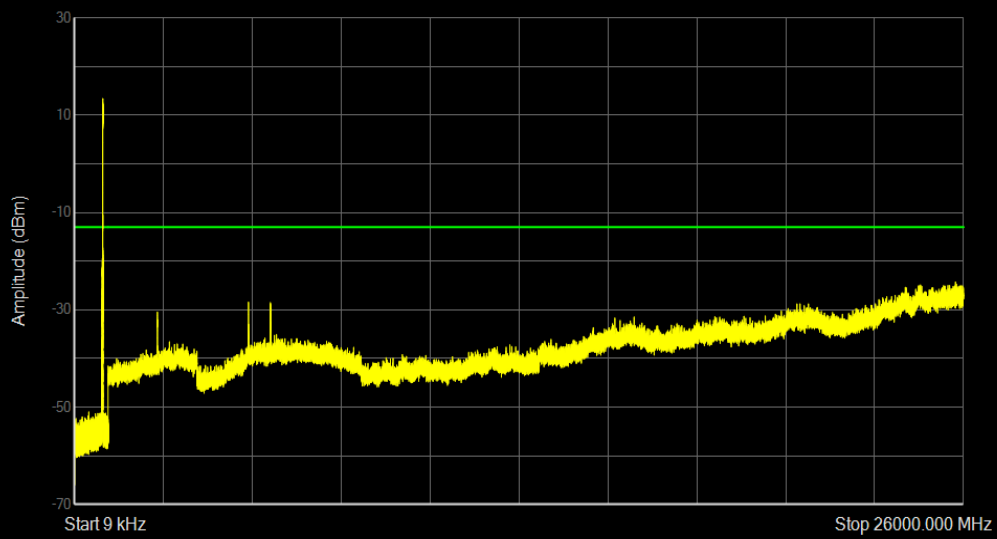




Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



Band5 QPSK BW=10MHz Channel=20600 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	0.00914805	-45.57	-13
2	0.15	30	10	6.039405	-46.57	-13
3	30	1000	100	438.29725	-50.98	-13
4	1000	26000	1000	25764.375	-24.27	-13

Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT

