

# Appendix for Band 5

Report No.: BCTC2504054763-6E

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Applicant: Shenzhen Huafurui Technology Co., Ltd.

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Product Name: Smartphone

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Test Model: KINGKONG ES 3

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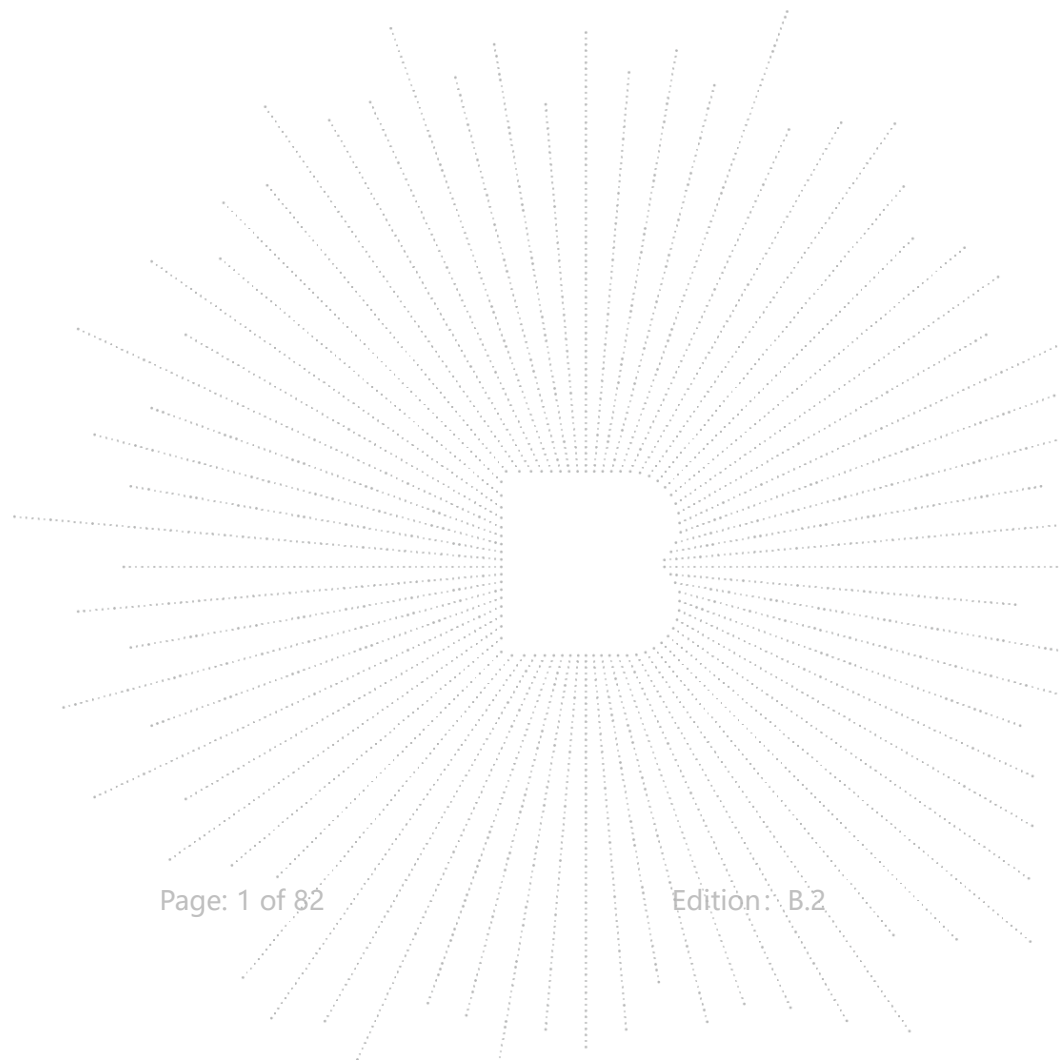
Tested Date: 2025-04-09 to 2025-05-26

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**Shenzhen BCTC Testing Co., Ltd.**

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

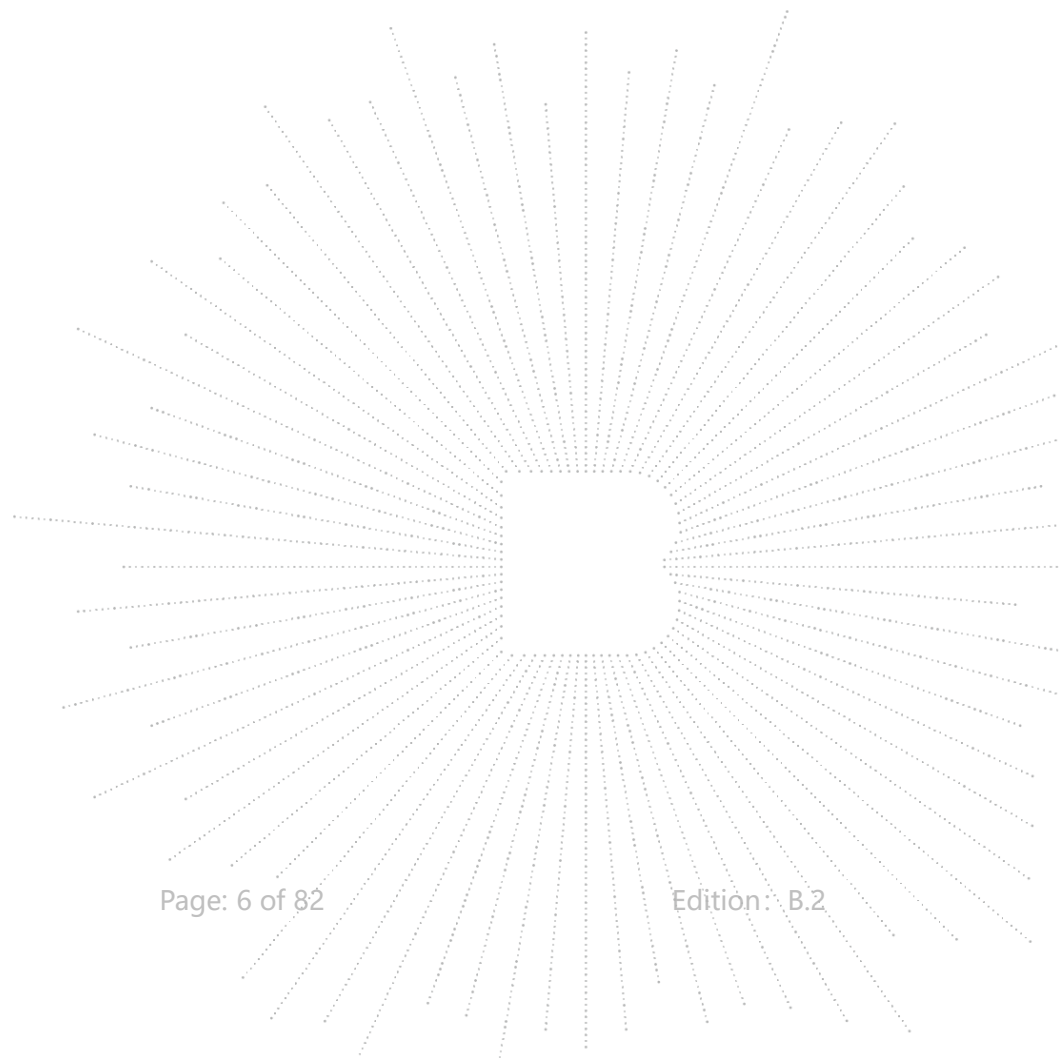
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	23.96	-1.13	20.68	PASS
NVNT	Band5	1.4	20407	1	#Mid	QPSK	23.94	-1.13	20.66	PASS
NVNT	Band5	1.4	20407	1	#Max	QPSK	23.90	-1.13	20.62	PASS
NVNT	Band5	1.4	20407	3	#0	QPSK	23.86	-1.13	20.58	PASS
NVNT	Band5	1.4	20407	3	#Mid	QPSK	23.91	-1.13	20.63	PASS
NVNT	Band5	1.4	20407	3	#Max	QPSK	23.86	-1.13	20.58	PASS
NVNT	Band5	1.4	20407	6	#0	QPSK	22.92	-1.13	19.64	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	24.35	-1.13	21.07	PASS
NVNT	Band5	1.4	20407	1	#Mid	16QAM	24.37	-1.13	21.09	PASS
NVNT	Band5	1.4	20407	1	#Max	16QAM	24.36	-1.13	21.08	PASS
NVNT	Band5	1.4	20407	3	#0	16QAM	23.17	-1.13	19.89	PASS
NVNT	Band5	1.4	20407	3	#Mid	16QAM	23.15	-1.13	19.87	PASS
NVNT	Band5	1.4	20407	3	#Max	16QAM	23.19	-1.13	19.91	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	22.03	-1.13	18.75	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	23.46	-1.13	20.18	PASS
NVNT	Band5	1.4	20525	1	#Mid	QPSK	23.48	-1.13	20.20	PASS
NVNT	Band5	1.4	20525	1	#Max	QPSK	23.48	-1.13	20.20	PASS
NVNT	Band5	1.4	20525	3	#0	QPSK	23.48	-1.13	20.20	PASS
NVNT	Band5	1.4	20525	3	#Mid	QPSK	23.50	-1.13	20.22	PASS
NVNT	Band5	1.4	20525	3	#Max	QPSK	23.46	-1.13	20.18	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	22.48	-1.13	19.20	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	23.04	-1.13	19.76	PASS
NVNT	Band5	1.4	20525	1	#Mid	16QAM	23.06	-1.13	19.78	PASS
NVNT	Band5	1.4	20525	1	#Max	16QAM	23.04	-1.13	19.76	PASS
NVNT	Band5	1.4	20525	3	#0	16QAM	22.53	-1.13	19.25	PASS
NVNT	Band5	1.4	20525	3	#Mid	16QAM	22.58	-1.13	19.30	PASS
NVNT	Band5	1.4	20525	3	#Max	16QAM	22.55	-1.13	19.27	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	21.81	-1.13	18.53	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	23.40	-1.13	20.12	PASS
NVNT	Band5	1.4	20643	1	#Mid	QPSK	23.40	-1.13	20.12	PASS
NVNT	Band5	1.4	20643	1	#Max	QPSK	23.36	-1.13	20.08	PASS
NVNT	Band5	1.4	20643	3	#0	QPSK	23.26	-1.13	19.98	PASS
NVNT	Band5	1.4	20643	3	#Mid	QPSK	23.32	-1.13	20.04	PASS
NVNT	Band5	1.4	20643	3	#Max	QPSK	23.33	-1.13	20.05	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	22.37	-1.13	19.09	PASS

NVNT	Band5	1.4	20643	1	#0	16QAM	22.98	-1.13	19.70	PASS
NVNT	Band5	1.4	20643	1	#Mid	16QAM	22.85	-1.13	19.57	PASS
NVNT	Band5	1.4	20643	1	#Max	16QAM	22.90	-1.13	19.62	PASS
NVNT	Band5	1.4	20643	3	#0	16QAM	22.28	-1.13	19.00	PASS
NVNT	Band5	1.4	20643	3	#Mid	16QAM	22.26	-1.13	18.98	PASS
NVNT	Band5	1.4	20643	3	#Max	16QAM	22.28	-1.13	19.00	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	21.44	-1.13	18.16	PASS
NVNT	Band5	3	20415	1	#0	QPSK	23.80	-1.13	20.52	PASS
NVNT	Band5	3	20415	1	#Mid	QPSK	23.76	-1.13	20.48	PASS
NVNT	Band5	3	20415	1	#Max	QPSK	23.80	-1.13	20.52	PASS
NVNT	Band5	3	20415	8	#0	QPSK	22.87	-1.13	19.59	PASS
NVNT	Band5	3	20415	8	#Mid	QPSK	22.89	-1.13	19.61	PASS
NVNT	Band5	3	20415	8	#Max	QPSK	22.89	-1.13	19.61	PASS
NVNT	Band5	3	20415	15	#0	QPSK	22.89	-1.13	19.61	PASS
NVNT	Band5	3	20415	1	#0	16QAM	24.31	-1.13	21.03	PASS
NVNT	Band5	3	20415	1	#Mid	16QAM	24.36	-1.13	21.08	PASS
NVNT	Band5	3	20415	1	#Max	16QAM	24.34	-1.13	21.06	PASS
NVNT	Band5	3	20415	8	#0	16QAM	21.85	-1.13	18.57	PASS
NVNT	Band5	3	20415	8	#Mid	16QAM	21.81	-1.13	18.53	PASS
NVNT	Band5	3	20415	8	#Max	16QAM	21.74	-1.13	18.46	PASS
NVNT	Band5	3	20415	15	#0	16QAM	22.03	-1.13	18.75	PASS
NVNT	Band5	3	20525	1	#0	QPSK	23.59	-1.13	20.31	PASS
NVNT	Band5	3	20525	1	#Mid	QPSK	23.49	-1.13	20.21	PASS
NVNT	Band5	3	20525	1	#Max	QPSK	23.44	-1.13	20.16	PASS
NVNT	Band5	3	20525	8	#0	QPSK	22.51	-1.13	19.23	PASS
NVNT	Band5	3	20525	8	#Mid	QPSK	22.46	-1.13	19.18	PASS
NVNT	Band5	3	20525	8	#Max	QPSK	22.48	-1.13	19.20	PASS
NVNT	Band5	3	20525	15	#0	QPSK	22.55	-1.13	19.27	PASS
NVNT	Band5	3	20525	1	#0	16QAM	23.03	-1.13	19.75	PASS
NVNT	Band5	3	20525	1	#Mid	16QAM	22.98	-1.13	19.70	PASS
NVNT	Band5	3	20525	1	#Max	16QAM	22.95	-1.13	19.67	PASS
NVNT	Band5	3	20525	8	#0	16QAM	21.49	-1.13	18.21	PASS
NVNT	Band5	3	20525	8	#Mid	16QAM	21.53	-1.13	18.25	PASS
NVNT	Band5	3	20525	8	#Max	16QAM	21.48	-1.13	18.20	PASS
NVNT	Band5	3	20525	15	#0	16QAM	21.50	-1.13	18.22	PASS
NVNT	Band5	3	20635	1	#0	QPSK	23.24	-1.13	19.96	PASS
NVNT	Band5	3	20635	1	#Mid	QPSK	23.36	-1.13	20.08	PASS
NVNT	Band5	3	20635	1	#Max	QPSK	23.28	-1.13	20.00	PASS
NVNT	Band5	3	20635	8	#0	QPSK	22.33	-1.13	19.05	PASS
NVNT	Band5	3	20635	8	#Mid	QPSK	22.32	-1.13	19.04	PASS
NVNT	Band5	3	20635	8	#Max	QPSK	22.27	-1.13	18.99	PASS
NVNT	Band5	3	20635	15	#0	QPSK	22.35	-1.13	19.07	PASS

NVNT	Band5	3	20635	1	#0	16QAM	22.89	-1.13	19.61	PASS
NVNT	Band5	3	20635	1	#Mid	16QAM	22.85	-1.13	19.57	PASS
NVNT	Band5	3	20635	1	#Max	16QAM	22.82	-1.13	19.54	PASS
NVNT	Band5	3	20635	8	#0	16QAM	21.41	-1.13	18.13	PASS
NVNT	Band5	3	20635	8	#Mid	16QAM	21.38	-1.13	18.10	PASS
NVNT	Band5	3	20635	8	#Max	16QAM	21.45	-1.13	18.17	PASS
NVNT	Band5	3	20635	15	#0	16QAM	21.38	-1.13	18.10	PASS
NVNT	Band5	5	20425	1	#0	QPSK	23.77	-1.13	20.49	PASS
NVNT	Band5	5	20425	1	#Mid	QPSK	23.80	-1.13	20.52	PASS
NVNT	Band5	5	20425	1	#Max	QPSK	23.70	-1.13	20.42	PASS
NVNT	Band5	5	20425	12	#0	QPSK	22.86	-1.13	19.58	PASS
NVNT	Band5	5	20425	12	#Mid	QPSK	22.78	-1.13	19.50	PASS
NVNT	Band5	5	20425	12	#Max	QPSK	22.78	-1.13	19.50	PASS
NVNT	Band5	5	20425	25	#0	QPSK	22.81	-1.13	19.53	PASS
NVNT	Band5	5	20425	1	#0	16QAM	23.51	-1.13	20.23	PASS
NVNT	Band5	5	20425	1	#Mid	16QAM	23.40	-1.13	20.12	PASS
NVNT	Band5	5	20425	1	#Max	16QAM	23.45	-1.13	20.17	PASS
NVNT	Band5	5	20425	12	#0	16QAM	21.82	-1.13	18.54	PASS
NVNT	Band5	5	20425	12	#Mid	16QAM	21.82	-1.13	18.54	PASS
NVNT	Band5	5	20425	12	#Max	16QAM	21.90	-1.13	18.62	PASS
NVNT	Band5	5	20425	25	#0	16QAM	22.06	-1.13	18.78	PASS
NVNT	Band5	5	20525	1	#0	QPSK	23.69	-1.13	20.41	PASS
NVNT	Band5	5	20525	1	#Mid	QPSK	23.63	-1.13	20.35	PASS
NVNT	Band5	5	20525	1	#Max	QPSK	23.48	-1.13	20.20	PASS
NVNT	Band5	5	20525	12	#0	QPSK	22.59	-1.13	19.31	PASS
NVNT	Band5	5	20525	12	#Mid	QPSK	22.56	-1.13	19.28	PASS
NVNT	Band5	5	20525	12	#Max	QPSK	22.48	-1.13	19.20	PASS
NVNT	Band5	5	20525	25	#0	QPSK	22.56	-1.13	19.28	PASS
NVNT	Band5	5	20525	1	#0	16QAM	23.14	-1.13	19.86	PASS
NVNT	Band5	5	20525	1	#Mid	16QAM	23.07	-1.13	19.79	PASS
NVNT	Band5	5	20525	1	#Max	16QAM	23.01	-1.13	19.73	PASS
NVNT	Band5	5	20525	12	#0	16QAM	21.52	-1.13	18.24	PASS
NVNT	Band5	5	20525	12	#Mid	16QAM	21.50	-1.13	18.22	PASS
NVNT	Band5	5	20525	12	#Max	16QAM	21.49	-1.13	18.21	PASS
NVNT	Band5	5	20525	25	#0	16QAM	21.65	-1.13	18.37	PASS
NVNT	Band5	5	20625	1	#0	QPSK	23.18	-1.13	19.90	PASS
NVNT	Band5	5	20625	1	#Mid	QPSK	23.11	-1.13	19.83	PASS
NVNT	Band5	5	20625	1	#Max	QPSK	23.06	-1.13	19.78	PASS
NVNT	Band5	5	20625	12	#0	QPSK	22.35	-1.13	19.07	PASS
NVNT	Band5	5	20625	12	#Mid	QPSK	22.45	-1.13	19.17	PASS
NVNT	Band5	5	20625	12	#Max	QPSK	22.40	-1.13	19.12	PASS
NVNT	Band5	5	20625	25	#0	QPSK	22.46	-1.13	19.18	PASS

NVNT	Band5	5	20625	1	#0	16QAM	23.40	-1.13	20.12	PASS
NVNT	Band5	5	20625	1	#Mid	16QAM	23.40	-1.13	20.12	PASS
NVNT	Band5	5	20625	1	#Max	16QAM	23.25	-1.13	19.97	PASS
NVNT	Band5	5	20625	12	#0	16QAM	21.41	-1.13	18.13	PASS
NVNT	Band5	5	20625	12	#Mid	16QAM	21.49	-1.13	18.21	PASS
NVNT	Band5	5	20625	12	#Max	16QAM	21.41	-1.13	18.13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	21.63	-1.13	18.35	PASS
NVNT	Band5	10	20450	1	#0	QPSK	23.80	-1.13	20.52	PASS
NVNT	Band5	10	20450	1	#Mid	QPSK	23.76	-1.13	20.48	PASS
NVNT	Band5	10	20450	1	#Max	QPSK	23.50	-1.13	20.22	PASS
NVNT	Band5	10	20450	25	#0	QPSK	22.89	-1.13	19.61	PASS
NVNT	Band5	10	20450	25	#Mid	QPSK	22.88	-1.13	19.60	PASS
NVNT	Band5	10	20450	25	#Max	QPSK	22.70	-1.13	19.42	PASS
NVNT	Band5	10	20450	50	#0	QPSK	22.80	-1.13	19.52	PASS
NVNT	Band5	10	20450	1	#0	16QAM	24.36	-1.13	21.08	PASS
NVNT	Band5	10	20450	1	#Mid	16QAM	24.27	-1.13	20.99	PASS
NVNT	Band5	10	20450	1	#Max	16QAM	24.14	-1.13	20.86	PASS
NVNT	Band5	10	20450	25	#0	16QAM	21.81	-1.13	18.53	PASS
NVNT	Band5	10	20450	25	#Mid	16QAM	21.77	-1.13	18.49	PASS
NVNT	Band5	10	20450	25	#Max	16QAM	21.65	-1.13	18.37	PASS
NVNT	Band5	10	20450	50	#0	16QAM	21.80	-1.13	18.52	PASS
NVNT	Band5	10	20525	1	#0	QPSK	23.51	-1.13	20.23	PASS
NVNT	Band5	10	20525	1	#Mid	QPSK	23.36	-1.13	20.08	PASS
NVNT	Band5	10	20525	1	#Max	QPSK	23.23	-1.13	19.95	PASS
NVNT	Band5	10	20525	25	#0	QPSK	22.54	-1.13	19.26	PASS
NVNT	Band5	10	20525	25	#Mid	QPSK	22.50	-1.13	19.22	PASS
NVNT	Band5	10	20525	25	#Max	QPSK	22.34	-1.13	19.06	PASS
NVNT	Band5	10	20525	50	#0	QPSK	22.48	-1.13	19.20	PASS
NVNT	Band5	10	20525	1	#0	16QAM	23.79	-1.13	20.51	PASS
NVNT	Band5	10	20525	1	#Mid	16QAM	23.62	-1.13	20.34	PASS
NVNT	Band5	10	20525	1	#Max	16QAM	23.49	-1.13	20.21	PASS
NVNT	Band5	10	20525	25	#0	16QAM	21.62	-1.13	18.34	PASS
NVNT	Band5	10	20525	25	#Mid	16QAM	21.56	-1.13	18.28	PASS
NVNT	Band5	10	20525	25	#Max	16QAM	21.47	-1.13	18.19	PASS
NVNT	Band5	10	20525	50	#0	16QAM	21.71	-1.13	18.43	PASS
NVNT	Band5	10	20600	1	#0	QPSK	23.37	-1.13	20.09	PASS
NVNT	Band5	10	20600	1	#Mid	QPSK	23.29	-1.13	20.01	PASS
NVNT	Band5	10	20600	1	#Max	QPSK	23.31	-1.13	20.03	PASS
NVNT	Band5	10	20600	25	#0	QPSK	22.42	-1.13	19.14	PASS
NVNT	Band5	10	20600	25	#Mid	QPSK	22.39	-1.13	19.11	PASS
NVNT	Band5	10	20600	25	#Max	QPSK	22.40	-1.13	19.12	PASS
NVNT	Band5	10	20600	50	#0	QPSK	22.36	-1.13	19.08	PASS

NVNT	Band5	10	20600	1	#0	16QAM	23.09	-1.13	19.81	PASS
NVNT	Band5	10	20600	1	#Mid	16QAM	23.09	-1.13	19.81	PASS
NVNT	Band5	10	20600	1	#Max	16QAM	22.97	-1.13	19.69	PASS
NVNT	Band5	10	20600	25	#0	16QAM	21.46	-1.13	18.18	PASS
NVNT	Band5	10	20600	25	#Mid	16QAM	21.47	-1.13	18.19	PASS
NVNT	Band5	10	20600	25	#Max	16QAM	21.56	-1.13	18.28	PASS
NVNT	Band5	10	20600	50	#0	16QAM	21.34	-1.13	18.06	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	-30.50	-0.037	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	NT	-12.16	-0.015	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	HV	NT	-31.93	-0.039	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	LV	NT	-4.88	-0.006	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	NT	-21.24	-0.026	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	HV	NT	-30.71	-0.037	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	LV	NT	-12.32	-0.015	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	NT	-17.77	-0.021	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	HV	NT	-25.18	-0.030	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	LV	NT	-29.15	-0.035	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	NT	-32.99	-0.039	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	HV	NT	-33.37	-0.040	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	LV	NT	-1.69	-0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	NT	-1.73	-0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	HV	NT	-4.45	-0.005	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	LV	NT	1.10	0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	NT	1.59	0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	HV	NT	12.66	0.015	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	LV	NT	-38.87	-0.047	PASS



NVNT	Band 5	3	20415	15	#0	QPSK	NV	NT	-47.42	-0.057	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	HV	NT	-39.74	-0.048	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	LV	NT	-26.81	-0.032	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	NT	-35.48	-0.043	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	HV	NT	-5.64	-0.007	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	LV	NT	-8.90	-0.011	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	NT	-10.09	-0.012	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	HV	NT	-10.56	-0.013	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	LV	NT	-13.32	-0.016	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	NT	-10.49	-0.013	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	HV	NT	-10.43	-0.012	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	LV	NT	-6.47	-0.008	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	NT	-6.65	-0.008	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	HV	NT	-3.22	-0.004	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	LV	NT	1.62	0.002	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	NT	10.84	0.013	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	HV	NT	21.59	0.025	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	LV	NT	-19.60	-0.024	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	NT	-43.67	-0.053	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	HV	NT	-21.29	-0.026	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	LV	NT	-34.98	-0.042	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	NT	-40.97	-0.050	PASS

	5										
NVNT	Band 5	5	20425	25	#0	16QAM	HV	NT	-41.71	-0.050	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	LV	NT	10.00	0.012	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	NT	8.81	0.011	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	HV	NT	8.90	0.011	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	LV	NT	8.68	0.010	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	NT	13.02	0.016	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	HV	NT	19.05	0.023	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	LV	NT	10.03	0.012	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	NT	7.10	0.008	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	HV	NT	13.89	0.016	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	LV	NT	19.78	0.023	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	NT	33.09	0.039	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	HV	NT	45.05	0.053	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	LV	NT	-28.10	-0.034	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	NT	-35.32	-0.043	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	HV	NT	-36.44	-0.044	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	LV	NT	-1.36	-0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	NT	0.26	0.000	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	HV	NT	6.39	0.008	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	LV	NT	4.38	0.005	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	NT	7.11	0.008	PASS

NVNT	Band 5	10	20525	50	#0	QPSK	HV	NT	13.12	0.016	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	LV	NT	23.57	0.028	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	NT	28.44	0.034	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	HV	NT	39.74	0.048	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	LV	NT	1.93	0.002	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	NT	0.59	0.001	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	HV	NT	3.25	0.004	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	LV	NT	11.06	0.013	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	NT	22.75	0.027	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	HV	NT	30.54	0.036	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	18.21	0.022	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	-20	24.83	0.030	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	0	26.55	0.032	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	10	25.88	0.031	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	20	26.15	0.032	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	30	24.15	0.029	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	40	22.49	0.027	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	50	17.04	0.021	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-30	16.09	0.020	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-20	13.45	0.016	PASS

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NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	0	10.17	0.012	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	10	8.77	0.011	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	20	6.28	0.008	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	30	6.35	0.008	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	40	2.55	0.003	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	50	0.90	0.001	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-30	-8.11	-0.010	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-20	-7.15	-0.009	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	0	-9.51	-0.011	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	10	-11.72	-0.014	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	20	-14.39	-0.017	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	30	-16.32	-0.020	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	40	-19.20	-0.023	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	50	-20.71	-0.025	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-30	-23.80	-0.028	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-20	-25.65	-0.031	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	0	-27.68	-0.033	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	10	-31.34	-0.037	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	20	-37.04	-0.044	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	30	-36.59	-0.044	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	40	-38.81	-0.046	PASS

NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	50	-39.34	-0.047	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-30	-5.95	-0.007	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-20	-7.00	-0.008	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	0	-5.55	-0.007	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	10	-0.53	-0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	20	-2.83	-0.003	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	30	-7.32	-0.009	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	40	-11.42	-0.013	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	50	-13.46	-0.016	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-30	-3.49	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-20	-5.39	-0.006	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	0	-0.21	0.000	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	10	-3.28	-0.004	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	20	-9.28	-0.011	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	30	-10.30	-0.012	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	40	-12.70	-0.015	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	50	-15.19	-0.018	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-30	7.30	0.009	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-20	14.66	0.018	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	0	18.28	0.022	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	10	17.38	0.021	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	20	12.04	0.015	PASS

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NVNT	Band 5	3	20415	15	#0	QPSK	NV	30	9.50	0.012	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	40	6.41	0.008	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	50	0.97	0.001	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-30	-1.95	-0.002	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-20	-6.79	-0.008	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	0	-2.06	-0.002	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	10	-5.36	-0.006	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	20	-17.05	-0.021	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	30	-19.34	-0.023	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	40	-23.10	-0.028	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	50	-26.84	-0.033	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-30	-4.33	-0.005	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-20	-7.40	-0.009	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	0	-11.62	-0.014	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	10	-15.31	-0.018	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	20	-20.00	-0.024	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	30	-27.91	-0.033	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	40	-33.39	-0.040	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	50	-35.51	-0.042	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	-30	-40.47	-0.048	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	-20	-42.82	-0.051	PASS

NVNT	Band 5	3	20525	15	#0	16QAM	NV	0	-44.49	-0.053	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	10	-5.16	-0.006	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	20	-5.45	-0.007	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	30	-5.02	-0.006	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	40	-6.85	-0.008	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	50	-9.96	-0.012	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-30	-9.37	-0.011	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-20	-12.26	-0.014	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	0	-18.05	-0.021	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	10	-22.17	-0.026	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	20	-28.35	-0.033	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	30	-33.47	-0.039	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	40	-34.26	-0.040	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	50	-39.31	-0.046	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-30	-42.74	-0.050	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-20	-12.32	-0.015	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	0	-6.55	-0.008	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	10	-7.68	-0.009	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	20	-11.59	-0.014	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	30	-14.12	-0.017	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	40	-16.04	-0.019	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	50	-18.04	-0.021	PASS



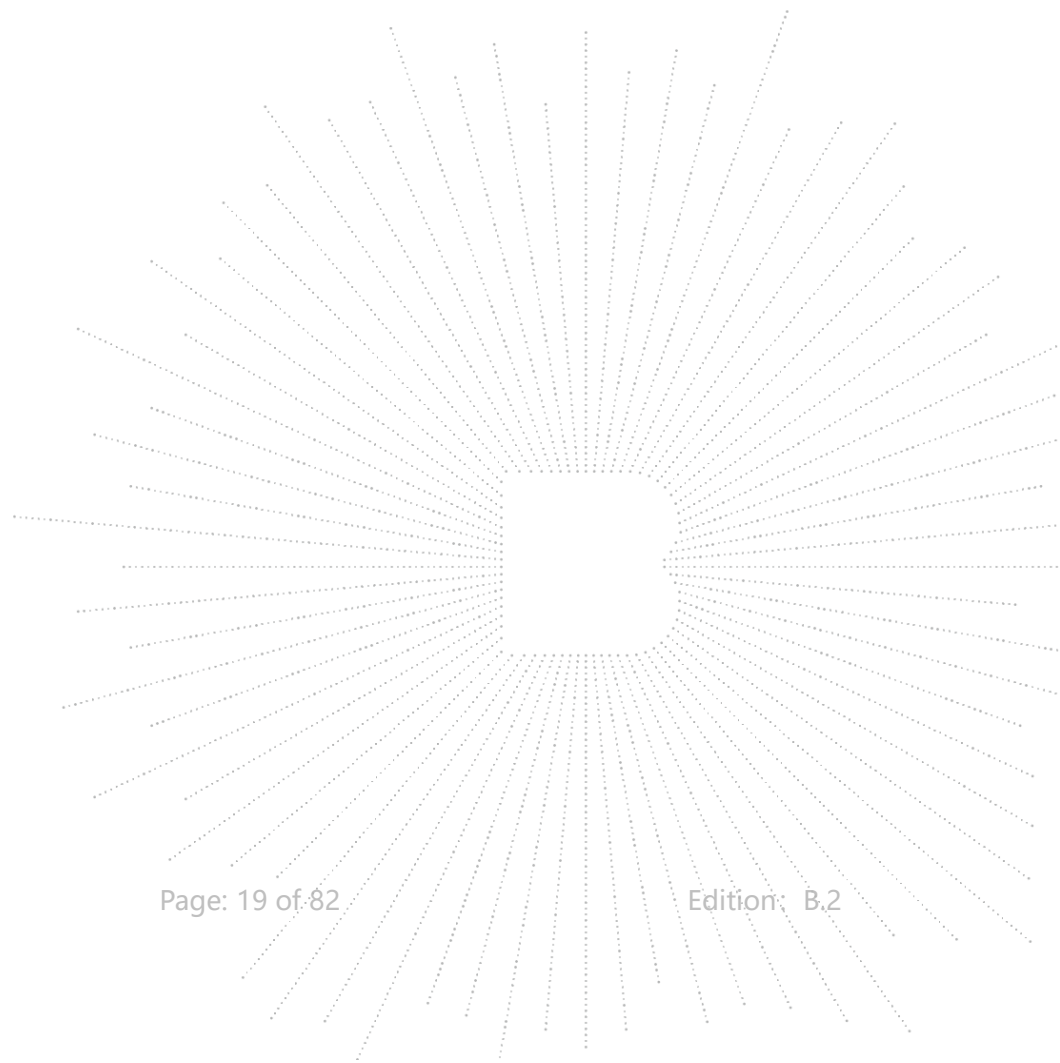
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NVNT	Band 5	5	20425	25	#0	QPSK	NV	-30	15.12	0.018	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	-20	17.21	0.021	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	0	19.78	0.024	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	10	16.21	0.020	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	20	14.96	0.018	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	30	13.25	0.016	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	40	10.03	0.012	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	50	6.88	0.008	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-30	1.26	0.002	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-20	-5.48	-0.007	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	0	-6.39	-0.008	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	10	-8.30	-0.010	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	20	-13.68	-0.017	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	30	-13.65	-0.017	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	40	-15.64	-0.019	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	50	-17.87	-0.022	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-30	2.60	0.003	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-20	2.46	0.003	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	0	1.89	0.002	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	10	-0.73	-0.001	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	20	-2.19	-0.003	PASS

NVNT	Band 5	5	20525	25	#0	QPSK	NV	30	-5.09	-0.006	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	40	-11.16	-0.013	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	50	-11.94	-0.014	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-30	-14.36	-0.017	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-20	-15.06	-0.018	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	0	-16.38	-0.020	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	10	-17.58	-0.021	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	20	-18.65	-0.022	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	30	-21.77	-0.026	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	40	-22.17	-0.027	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	50	-24.00	-0.029	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-30	-1.24	-0.001	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-20	-2.55	-0.003	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	0	-5.18	-0.006	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	10	-10.49	-0.012	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	20	-14.63	-0.017	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	30	-18.08	-0.021	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	40	-20.14	-0.024	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	50	-24.96	-0.029	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-30	-33.46	-0.040	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-20	-35.02	-0.041	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	0	-38.55	-0.046	PASS

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NVNT	Band 5	5	20625	25	#0	16QAM	NV	10	-44.07	-0.052	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	20	-44.35	-0.052	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	30	-46.73	-0.055	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	40	-39.34	-0.046	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	50	0.46	0.001	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-30	18.10	0.022	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-20	19.88	0.024	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	0	18.85	0.023	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	10	14.86	0.018	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	20	12.60	0.015	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	30	9.24	0.011	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	40	5.69	0.007	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	50	1.63	0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-30	-0.39	0.000	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-20	-2.62	-0.003	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	0	-4.58	-0.006	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	10	-6.42	-0.008	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	20	-7.77	-0.009	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	30	-8.31	-0.010	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	40	-10.59	-0.013	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	50	-11.24	-0.014	PASS

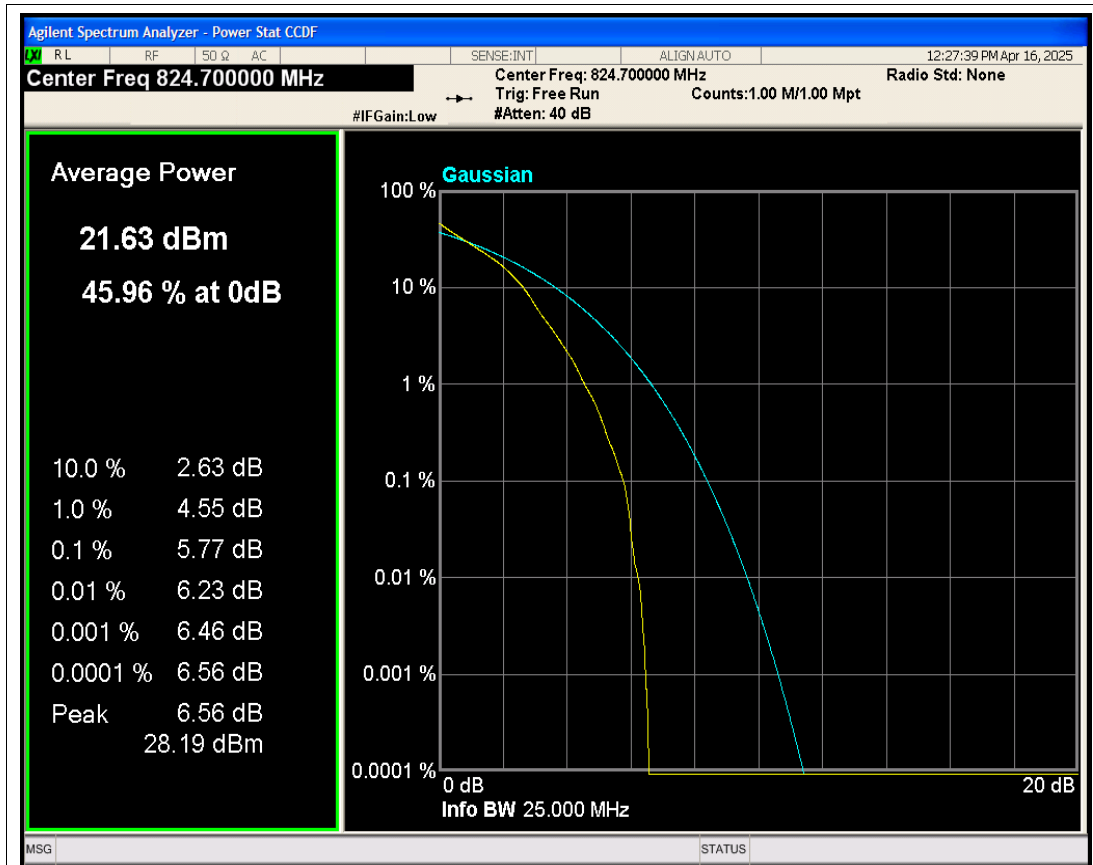
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-30	-1.07	-0.001	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-20	-3.40	-0.004	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	0	-4.61	-0.006	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	10	-7.64	-0.009	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	20	-9.68	-0.012	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	30	-12.06	-0.014	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	40	-18.63	-0.022	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	50	-21.23	-0.025	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-30	-25.53	-0.031	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-20	-28.00	-0.033	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	0	-28.21	-0.034	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	10	-32.07	-0.038	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	20	-31.93	-0.038	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	30	-32.03	-0.038	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	40	-31.46	-0.038	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	50	-33.66	-0.040	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-30	-0.86	-0.001	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-20	-2.09	-0.002	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	0	-4.32	-0.005	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	10	-6.15	-0.007	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	20	-8.34	-0.010	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	30	-10.76	-0.013	PASS

	5										
NVNT	Band 5	10	20600	50	#0	QPSK	NV	40	-13.30	-0.016	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	50	-17.21	-0.020	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-30	-25.49	-0.030	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-20	-28.64	-0.034	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	0	-32.67	-0.039	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	10	-36.16	-0.043	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	20	-39.48	-0.047	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	30	-43.39	-0.051	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	40	-42.20	-0.050	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	50	-4.85	-0.006	PASS

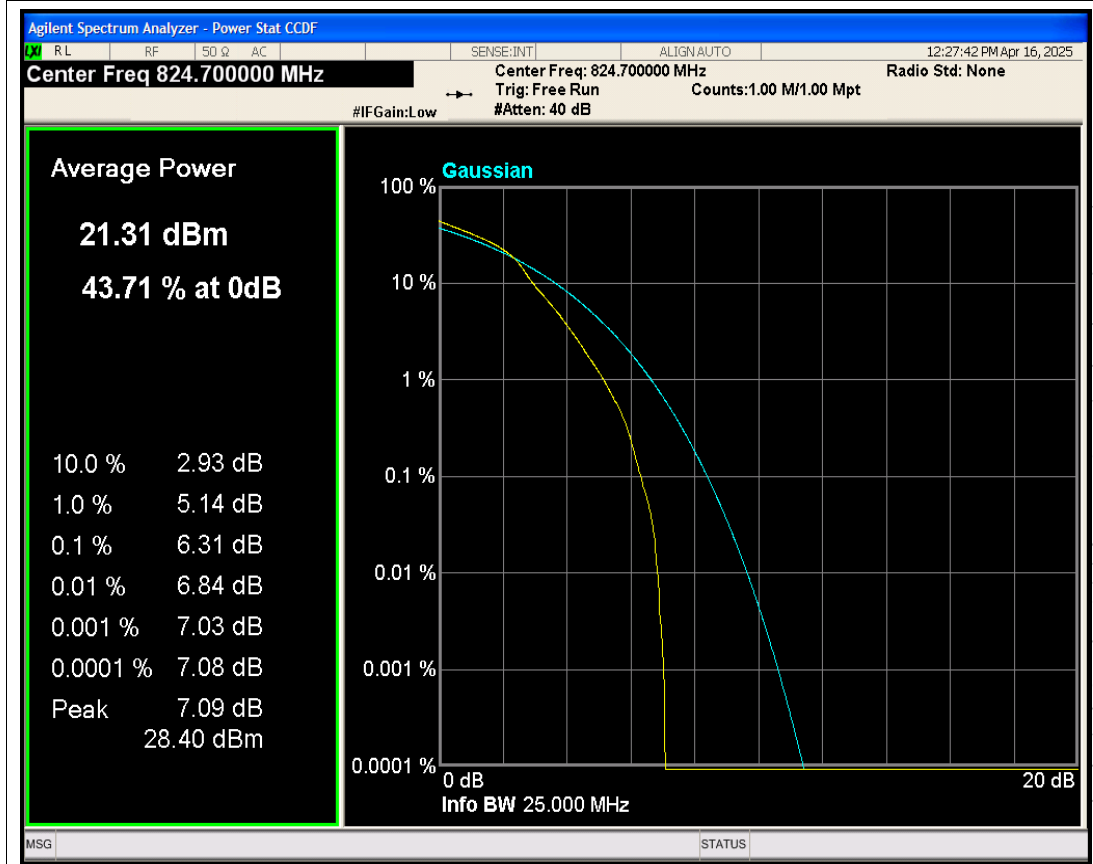


### Appendix 3. Peak-to-Average Ratio

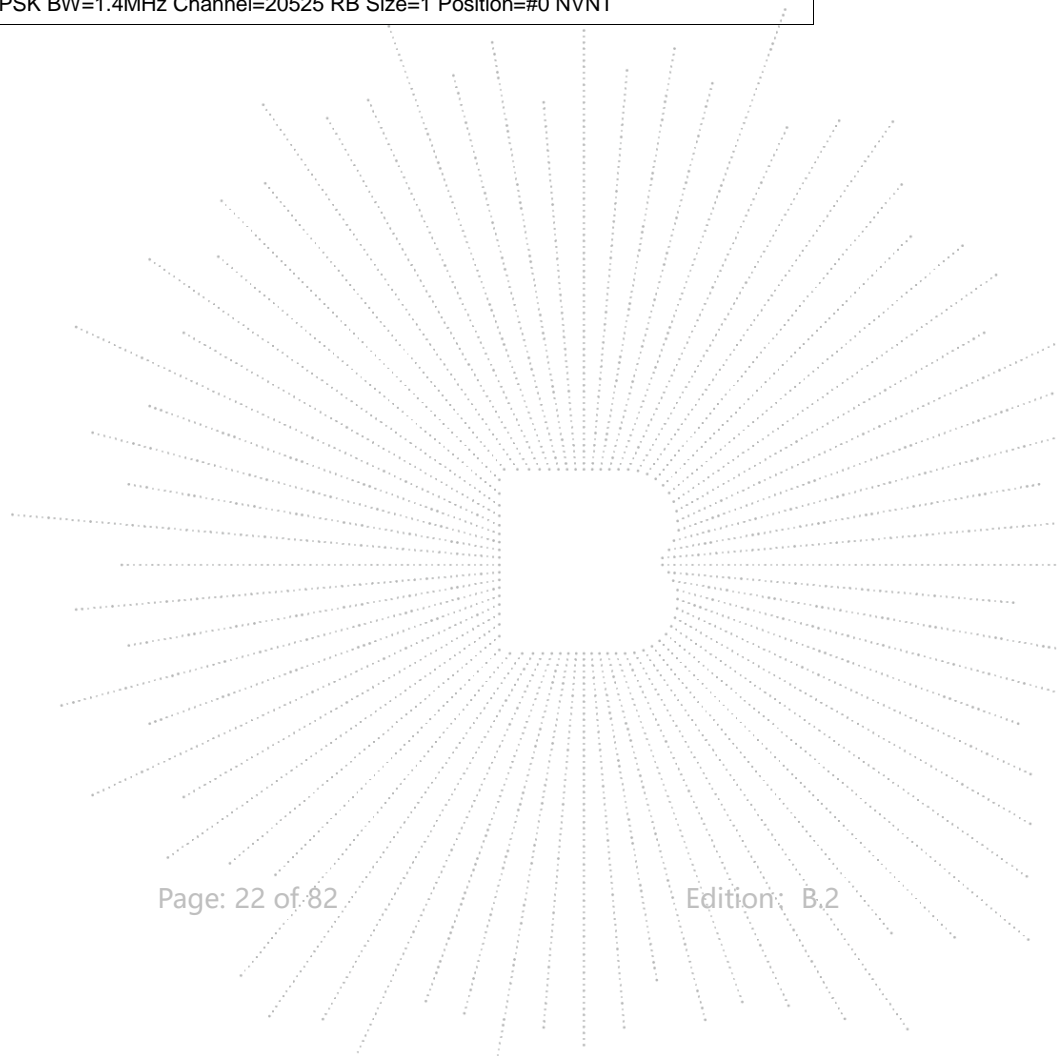
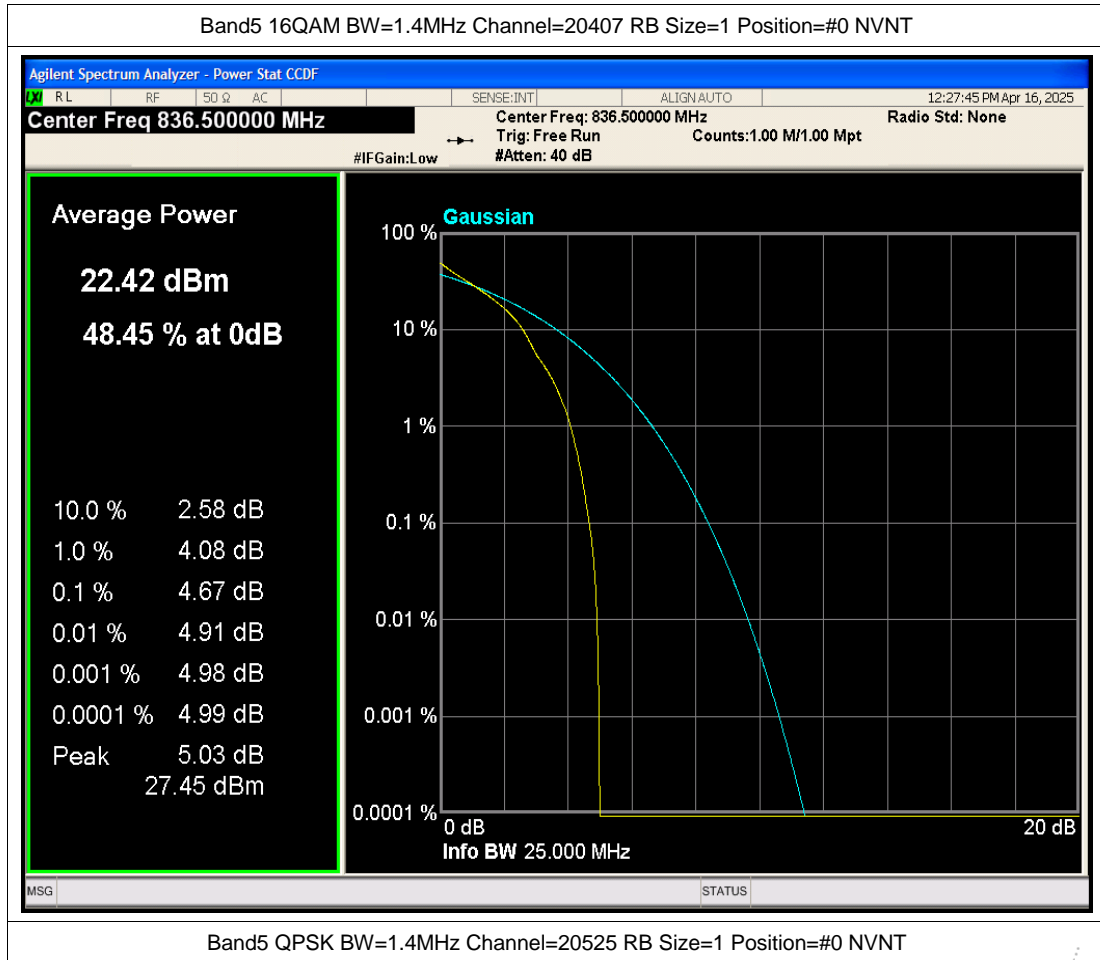
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	5.77	13	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	6.31	13	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	4.67	13	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	4.83	13	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	1.95	13	PASS
NVNT	Band5	1.4	20643	1	#0	16QAM	2.42	13	PASS
NVNT	Band5	3	20415	1	#0	QPSK	5.63	13	PASS
NVNT	Band5	3	20415	1	#0	16QAM	6.56	13	PASS
NVNT	Band5	3	20525	1	#0	QPSK	5.16	13	PASS
NVNT	Band5	3	20525	1	#0	16QAM	5.47	13	PASS
NVNT	Band5	3	20635	1	#0	QPSK	2.88	13	PASS
NVNT	Band5	3	20635	1	#0	16QAM	3.60	13	PASS
NVNT	Band5	5	20425	1	#0	QPSK	5.87	13	PASS
NVNT	Band5	5	20425	1	#0	16QAM	6.33	13	PASS
NVNT	Band5	5	20525	1	#0	QPSK	5.34	13	PASS
NVNT	Band5	5	20525	1	#0	16QAM	5.78	13	PASS
NVNT	Band5	5	20625	1	#0	QPSK	3.66	13	PASS
NVNT	Band5	5	20625	1	#0	16QAM	4.25	13	PASS
NVNT	Band5	10	20450	1	#0	QPSK	5.60	13	PASS
NVNT	Band5	10	20450	1	#0	16QAM	6.49	13	PASS
NVNT	Band5	10	20525	1	#0	QPSK	5.40	13	PASS
NVNT	Band5	10	20525	1	#0	16QAM	6.28	13	PASS
NVNT	Band5	10	20600	1	#0	QPSK	2.19	13	PASS
NVNT	Band5	10	20600	1	#0	16QAM	2.93	13	PASS

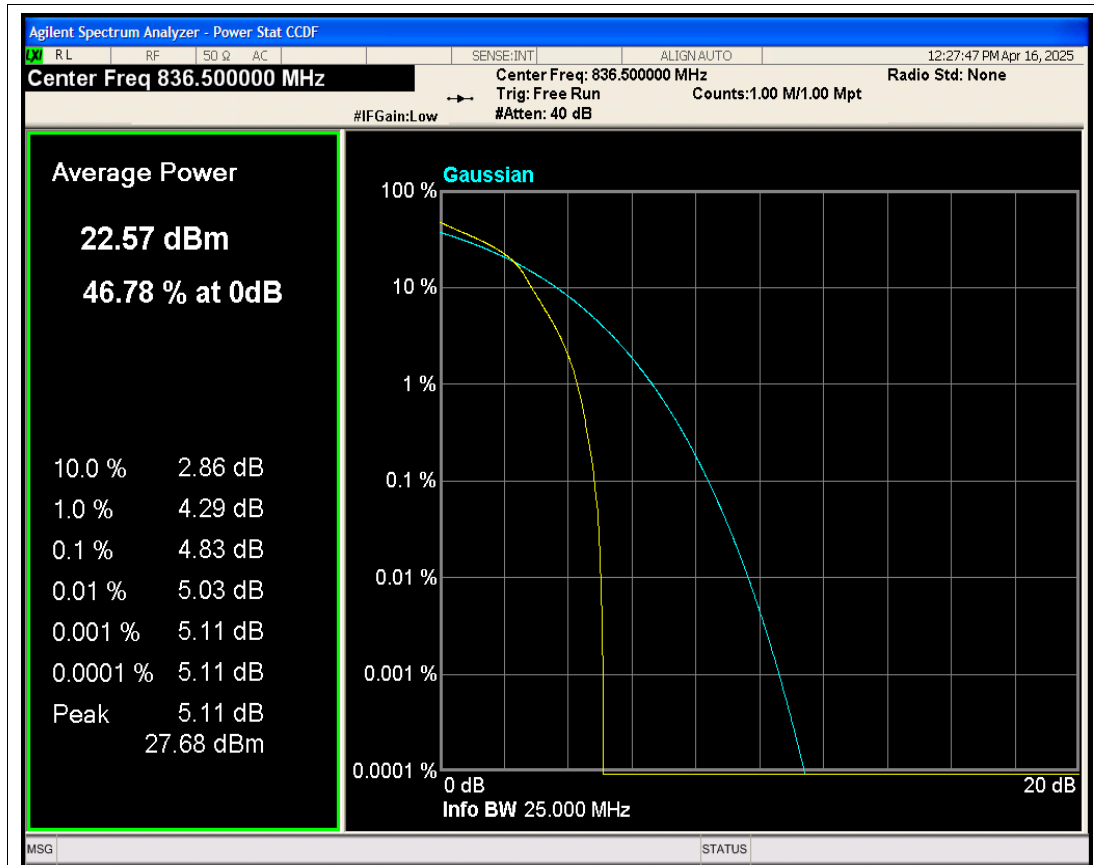


Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT

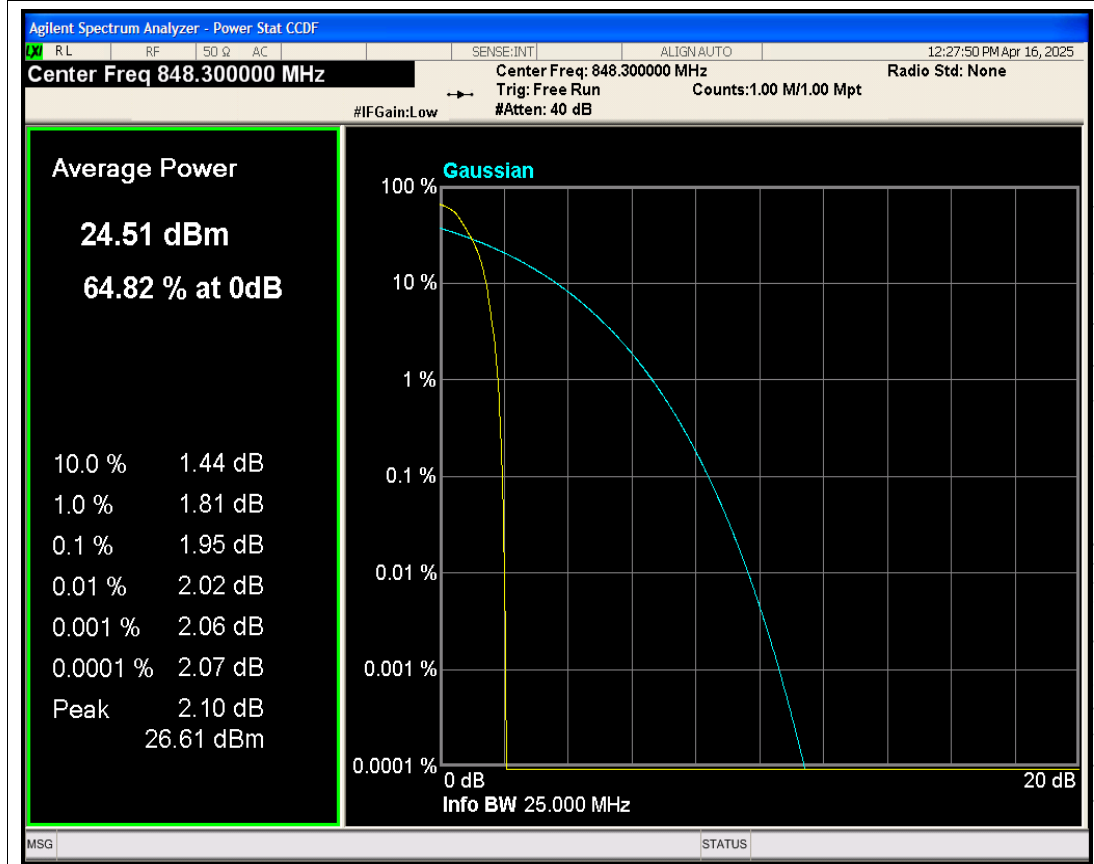


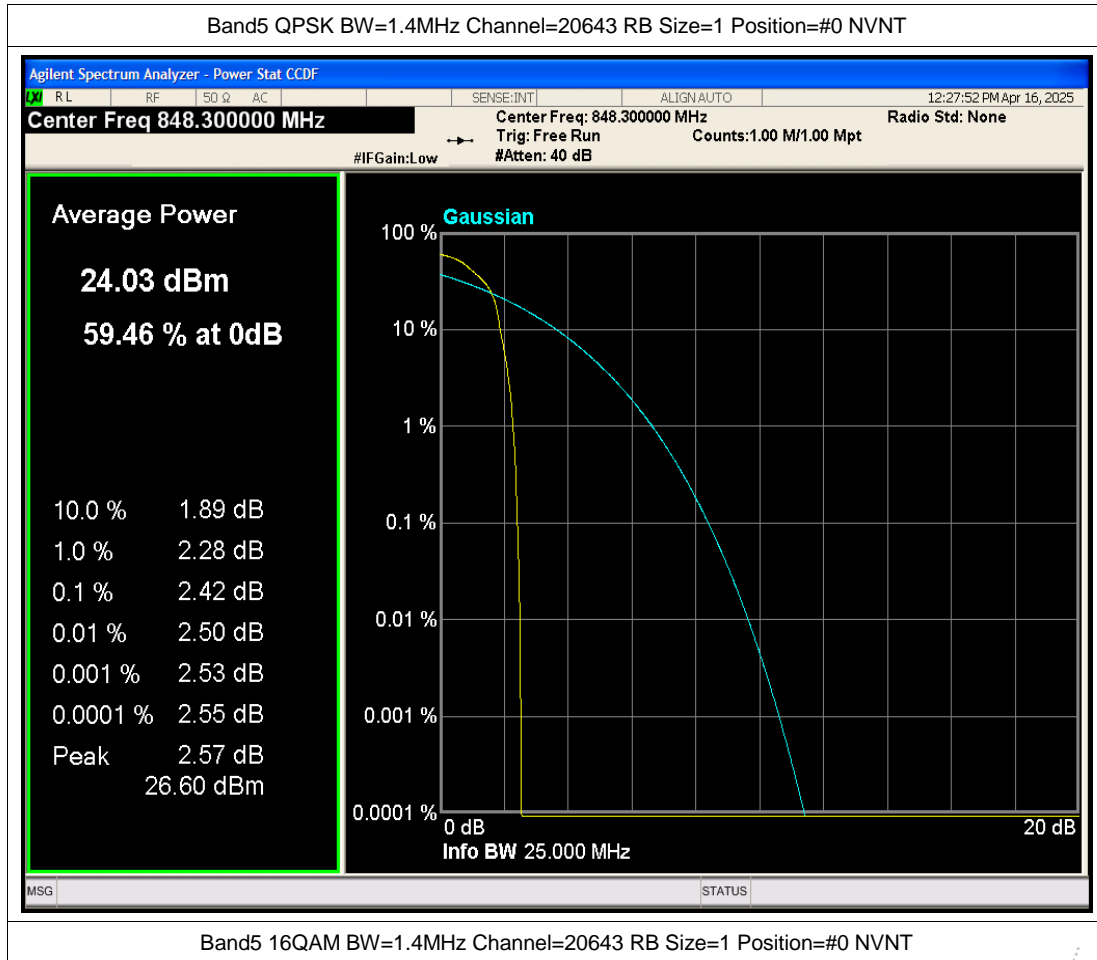


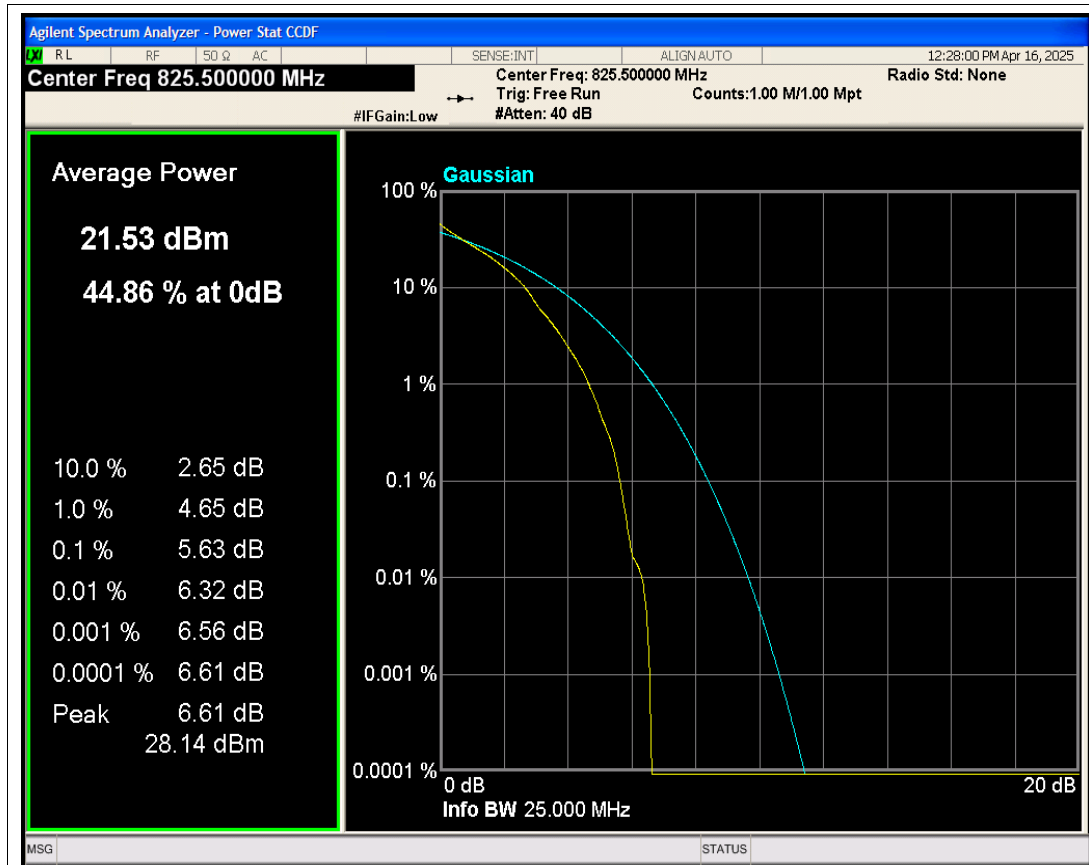




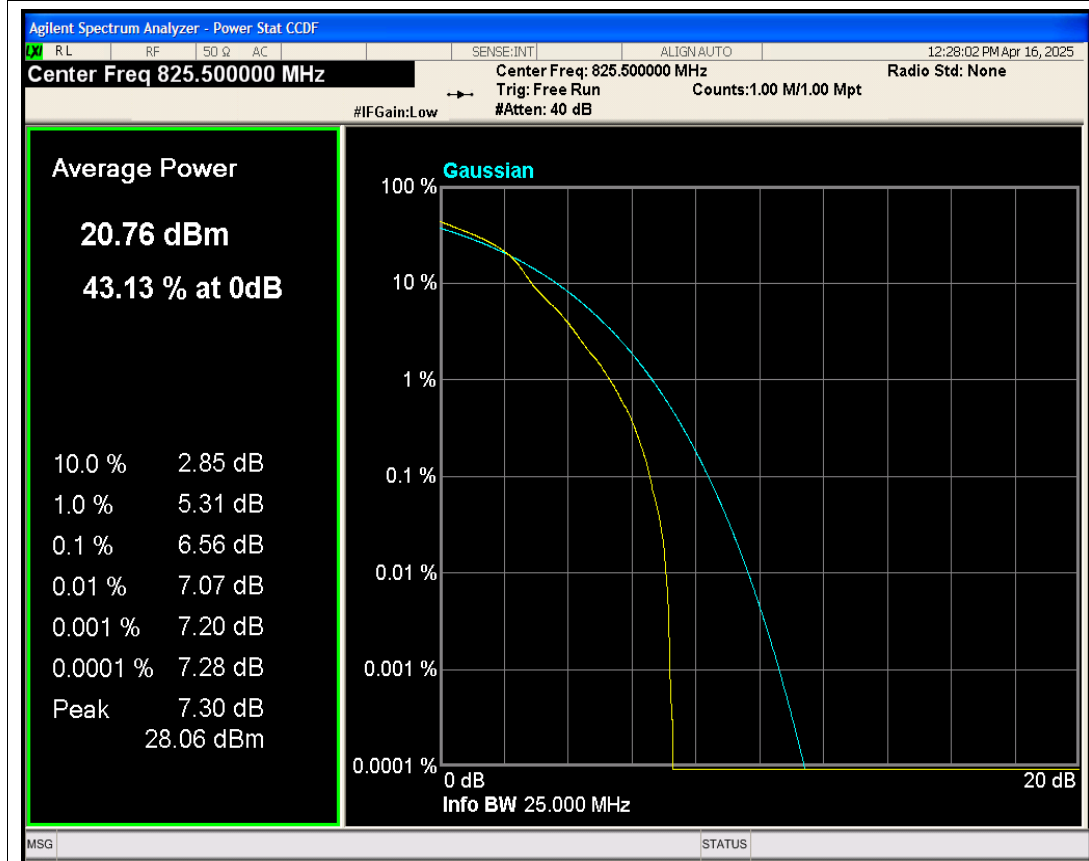
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT

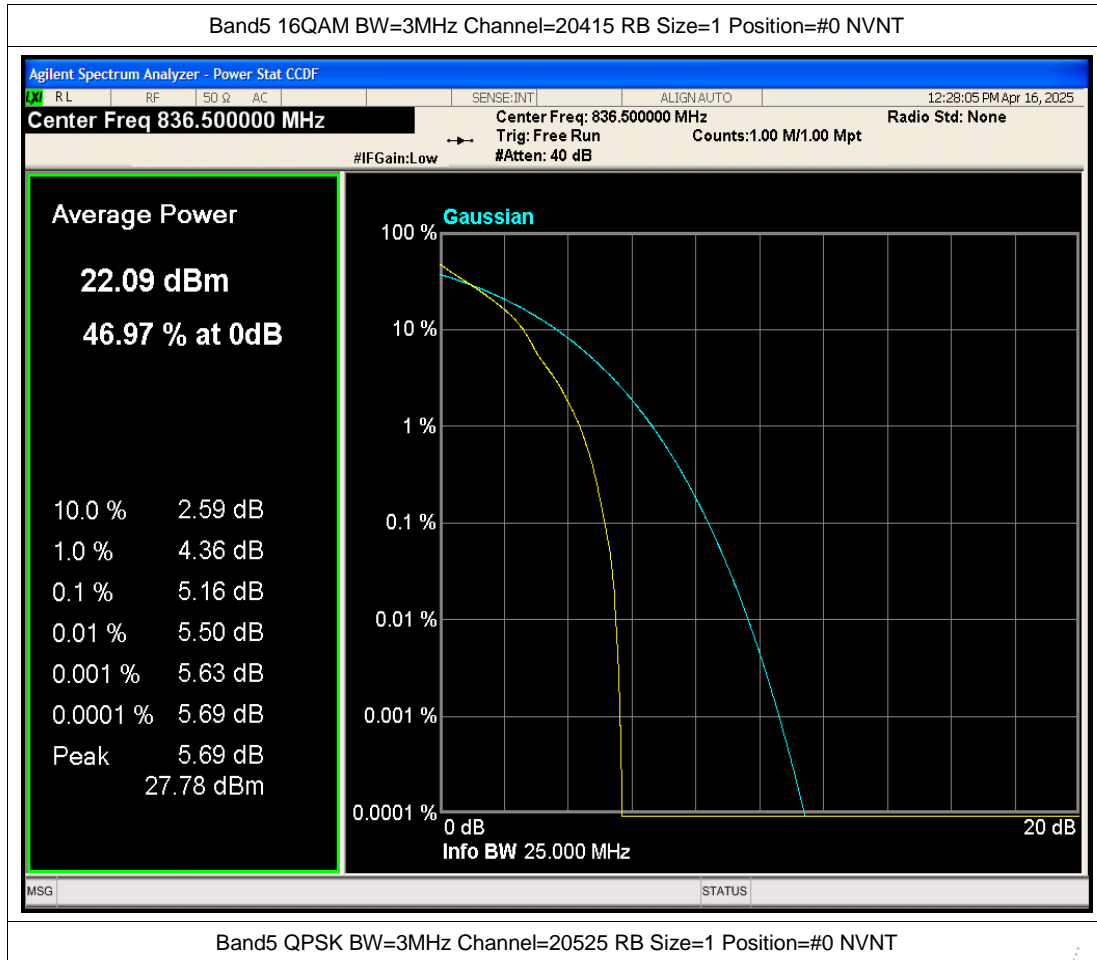


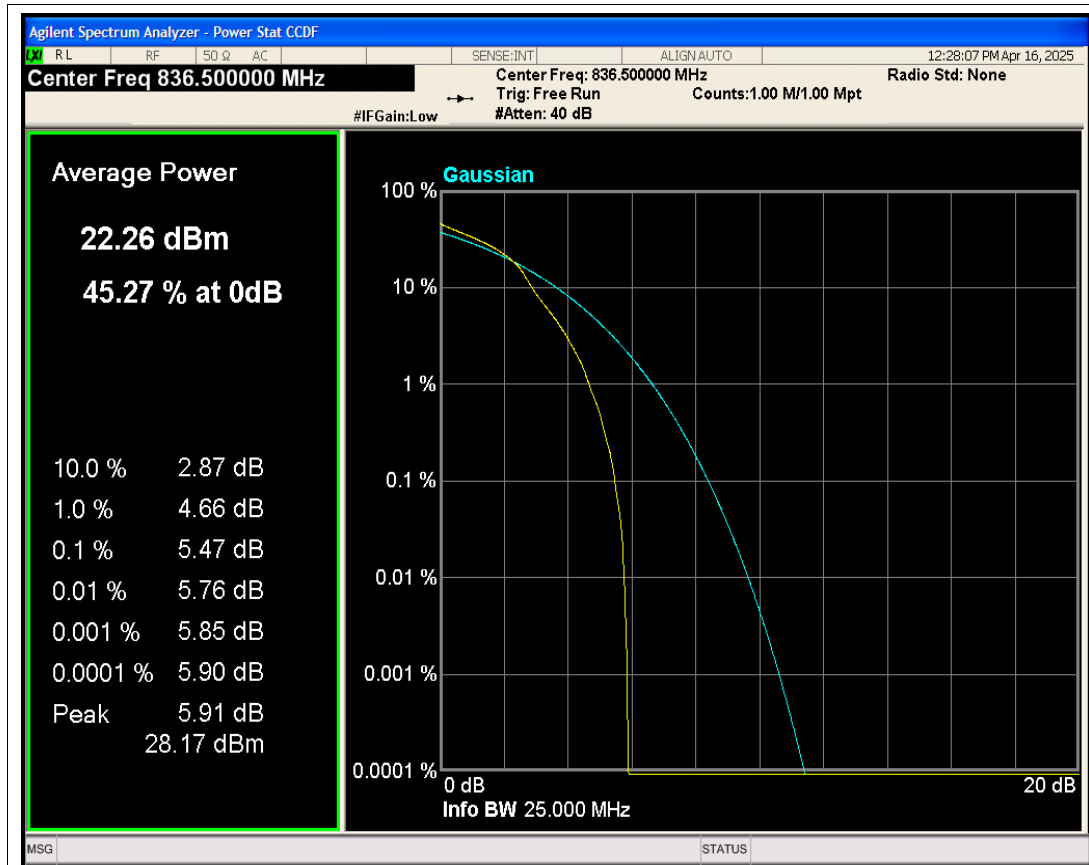




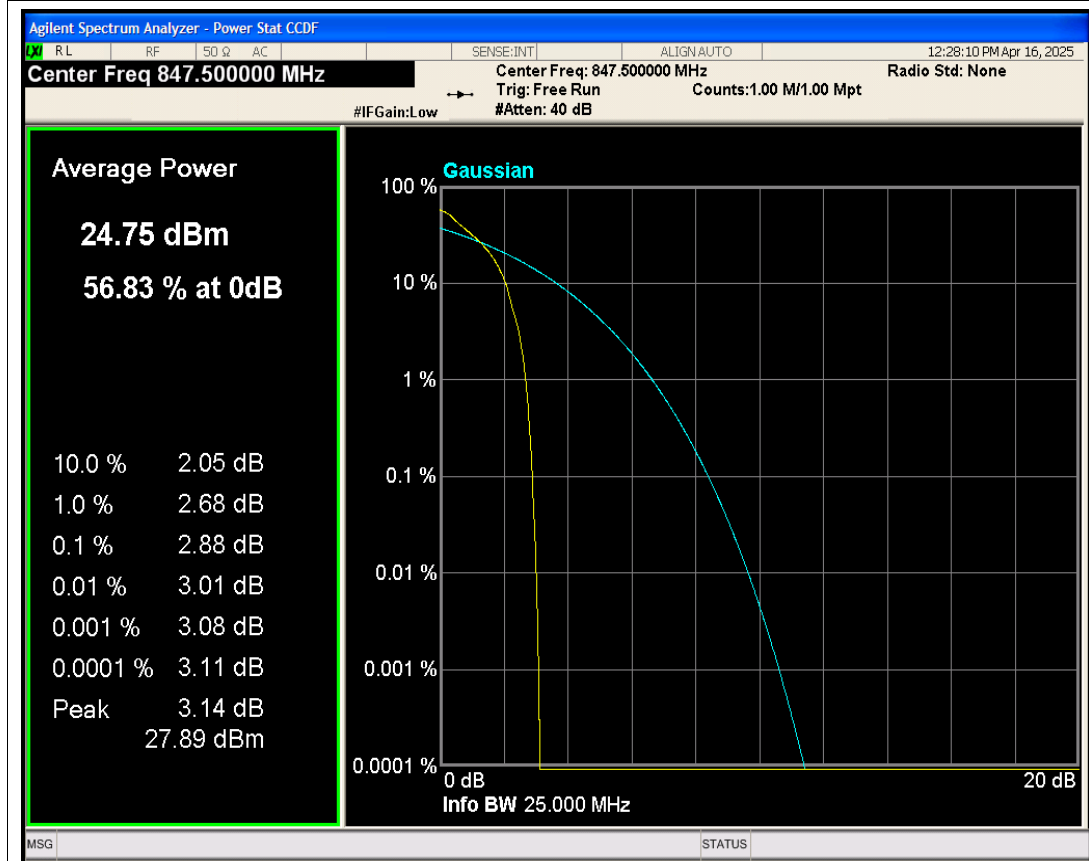
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 NVNT

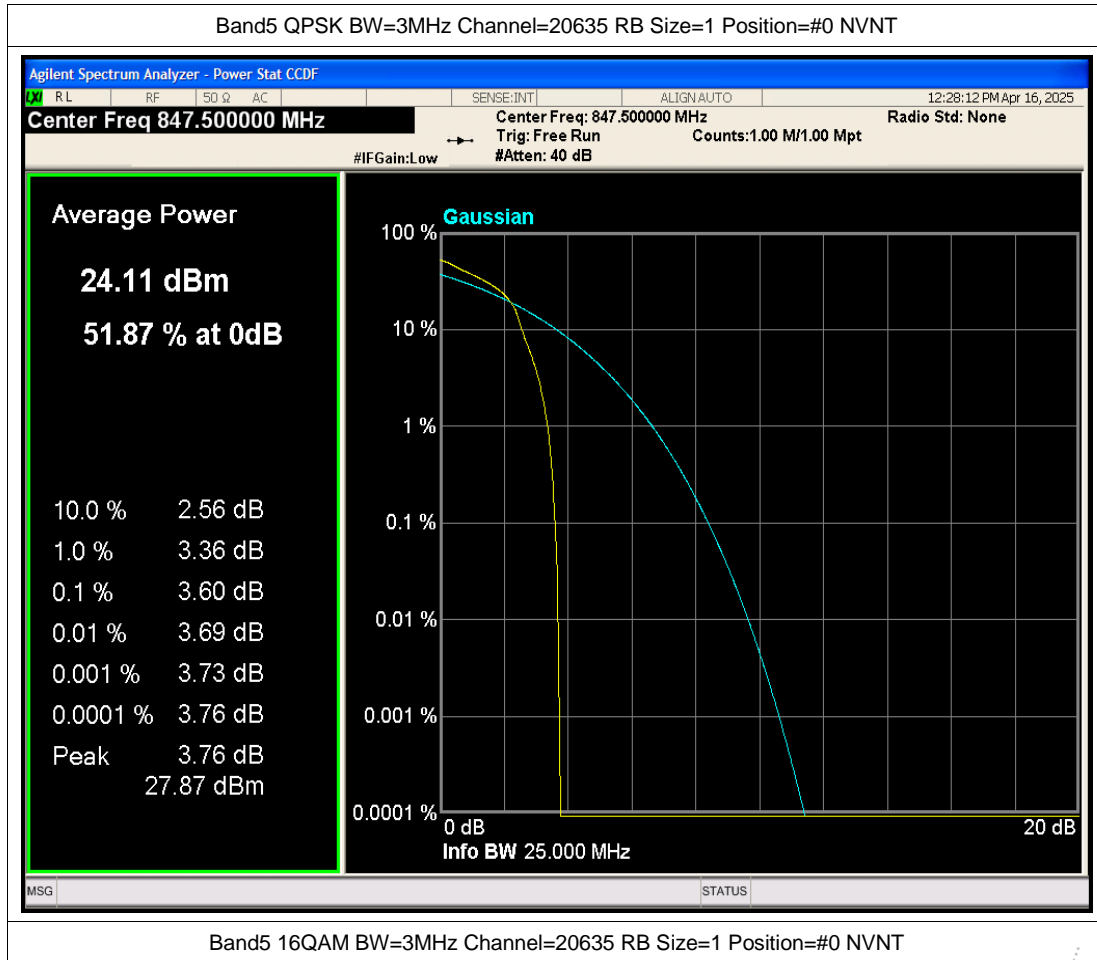




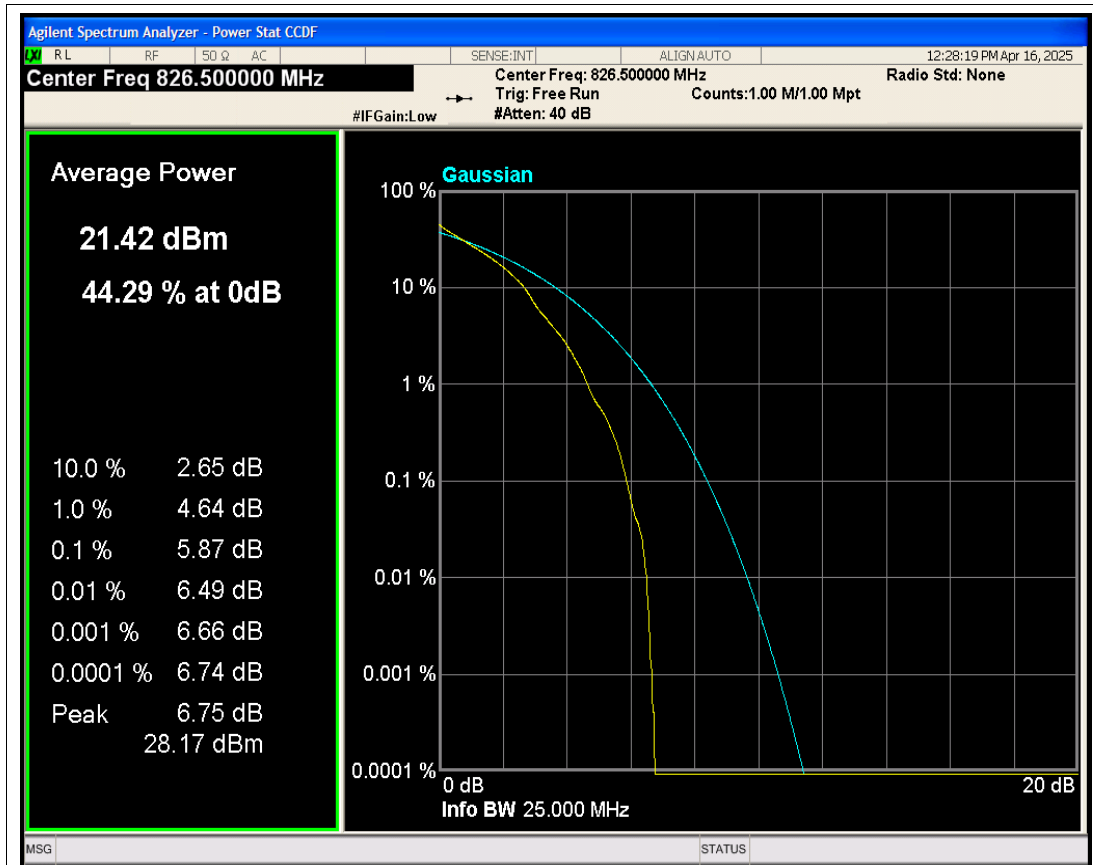


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT

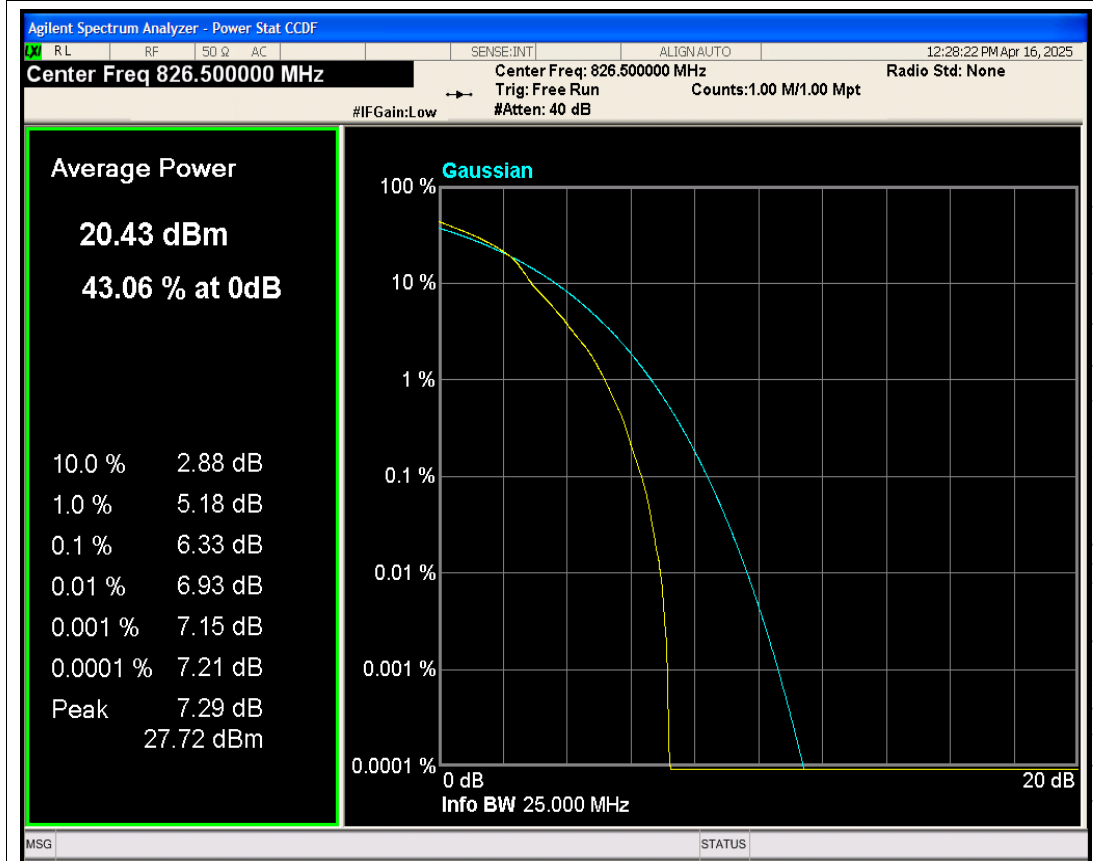


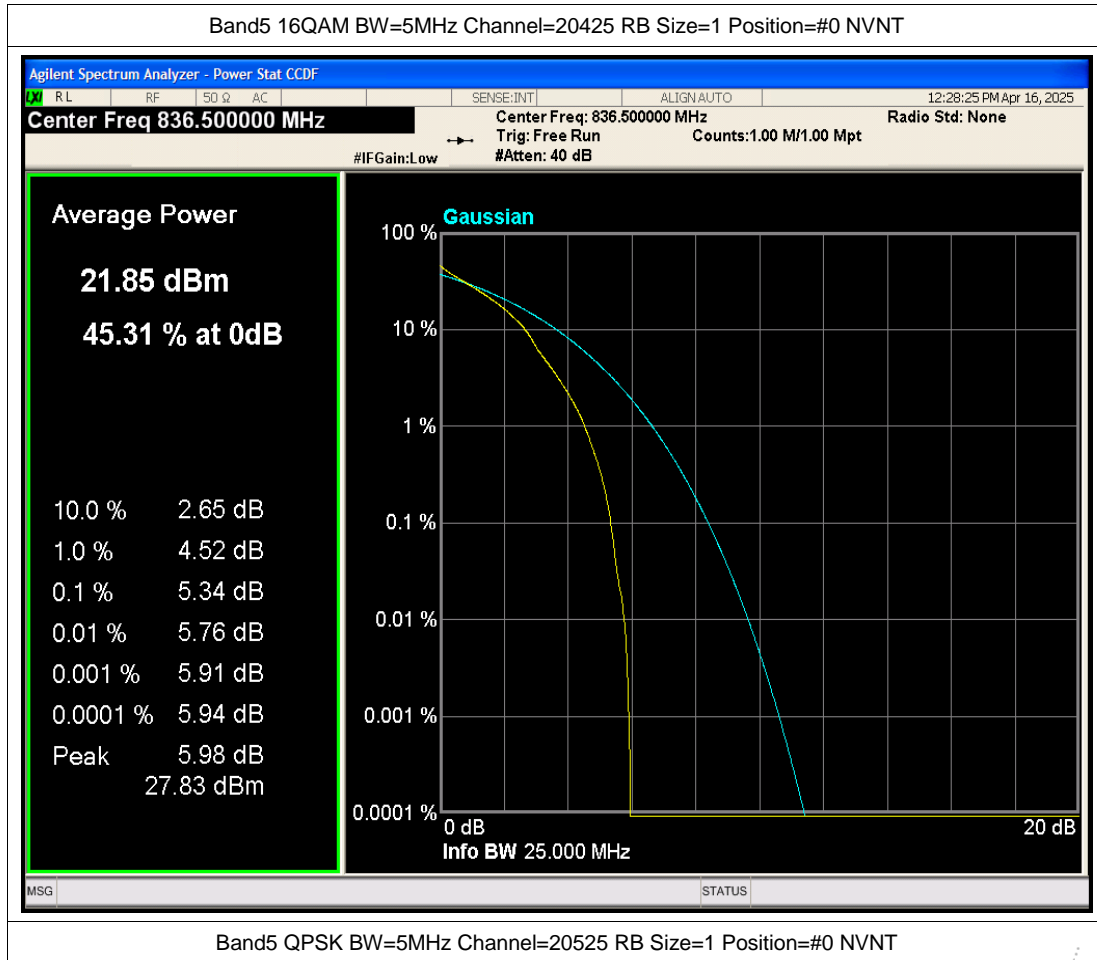


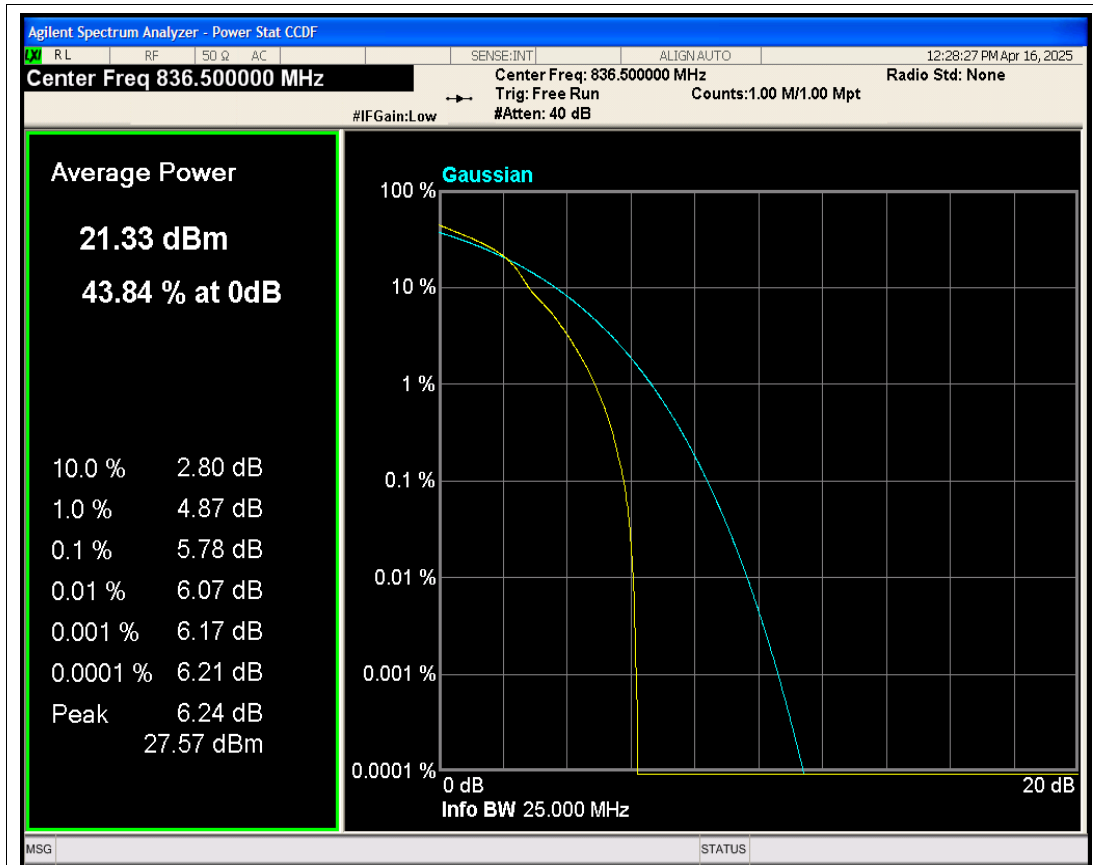




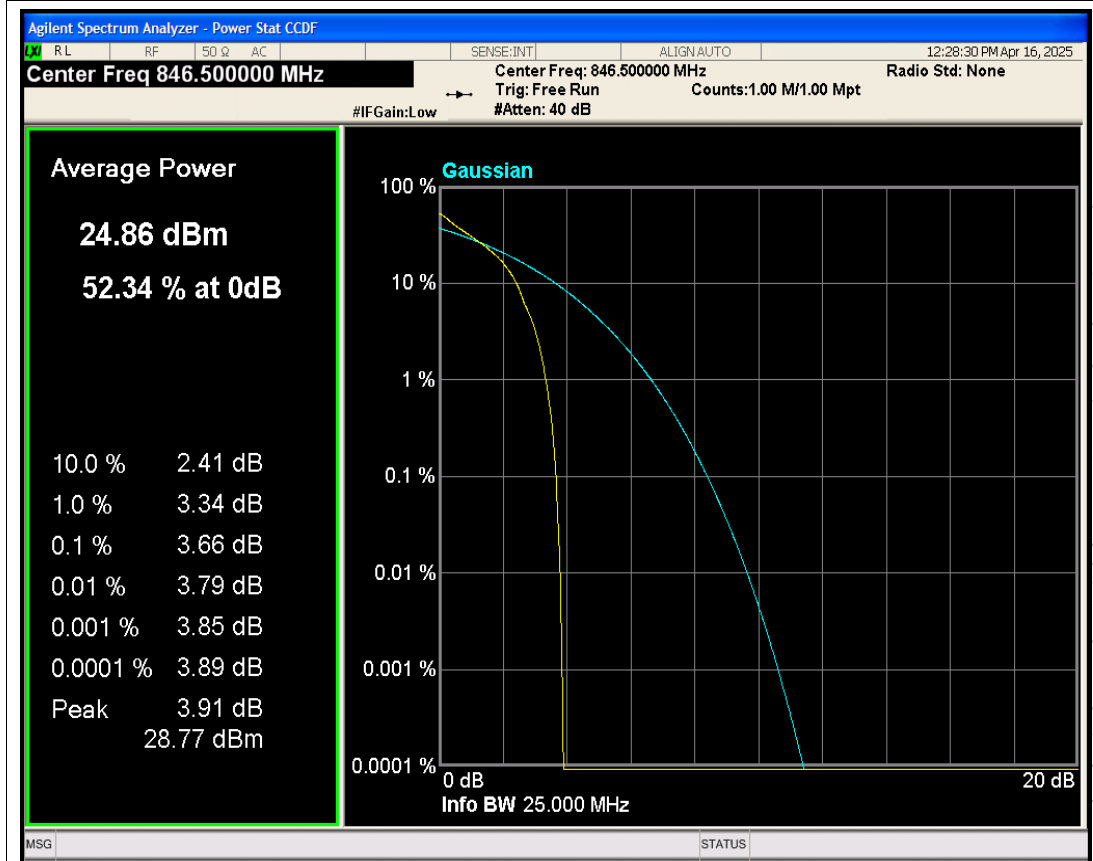
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0 NVNT

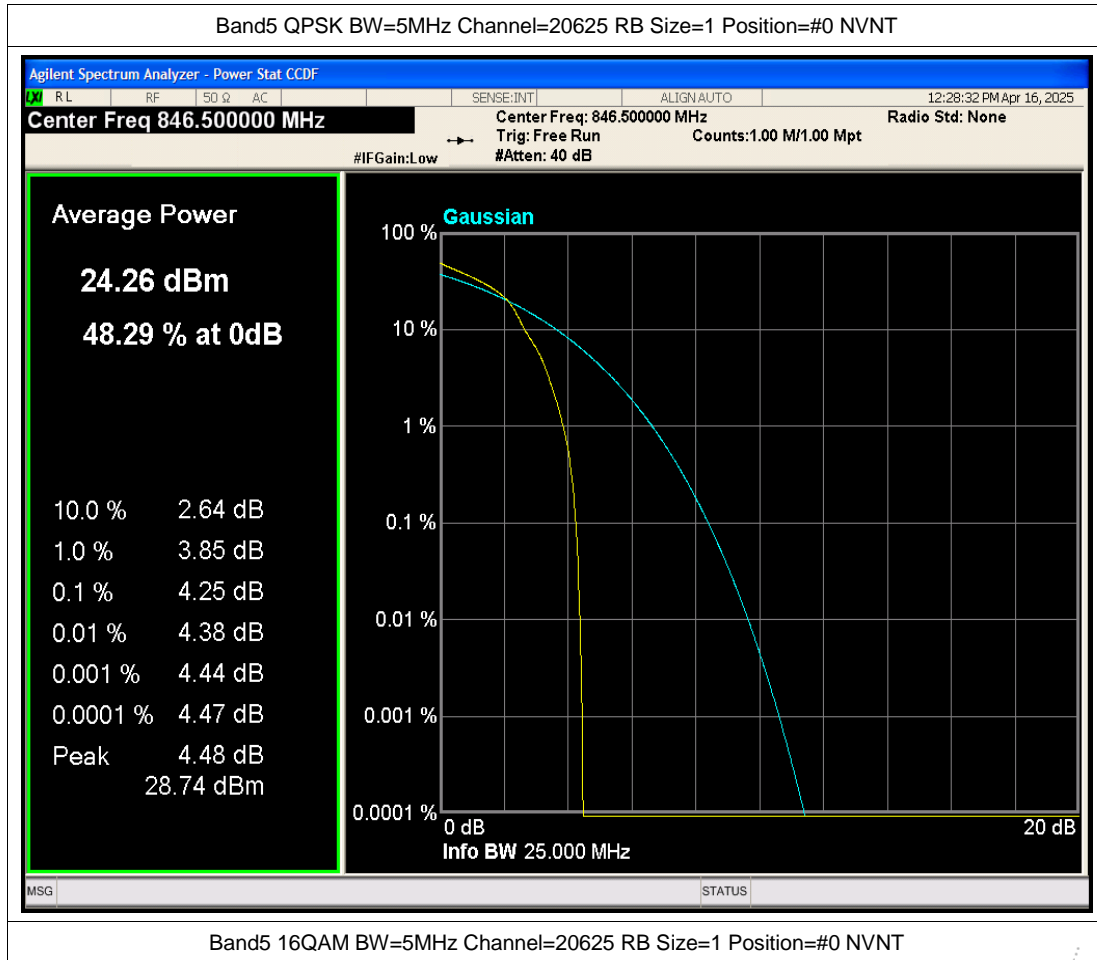


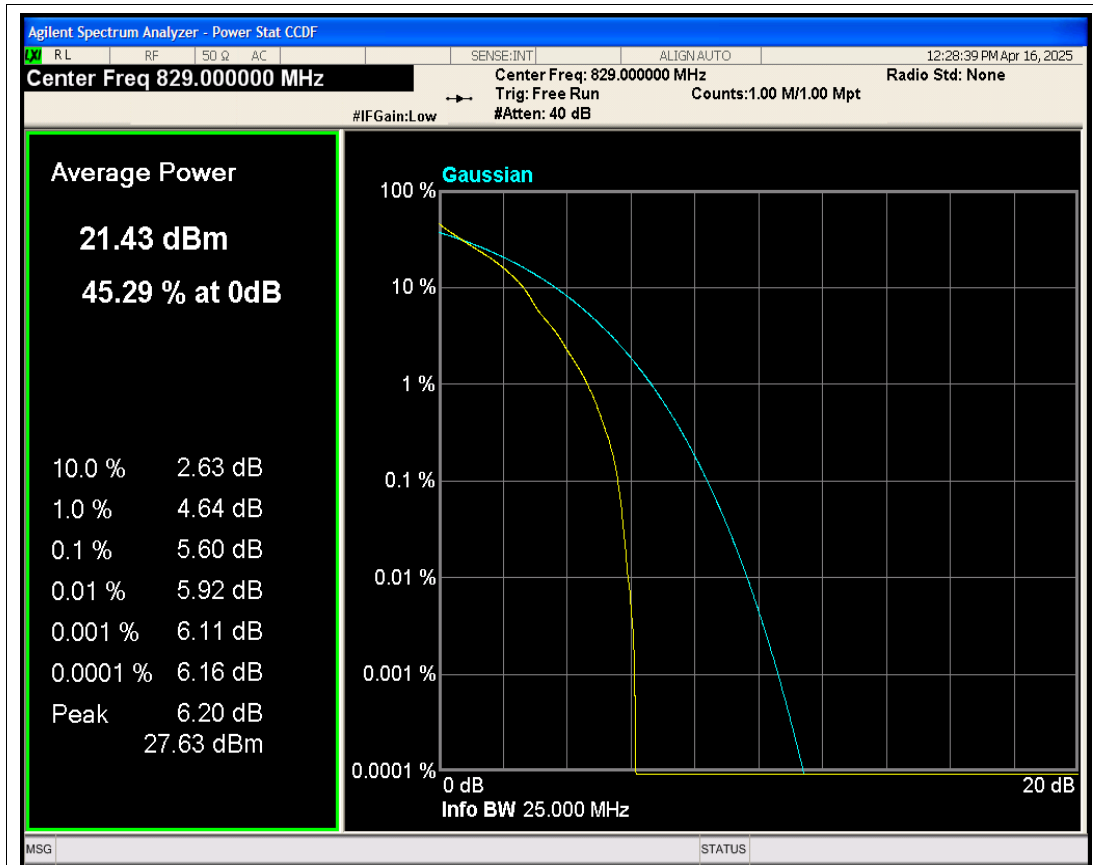




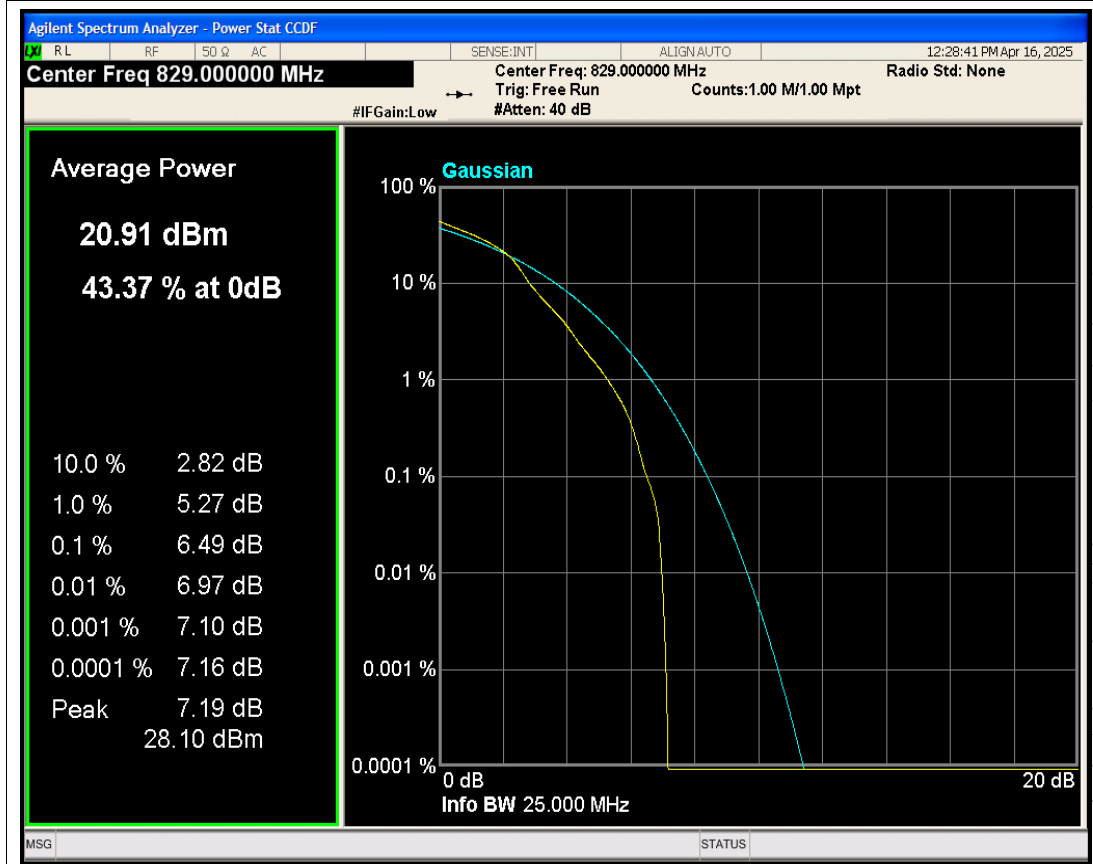
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT

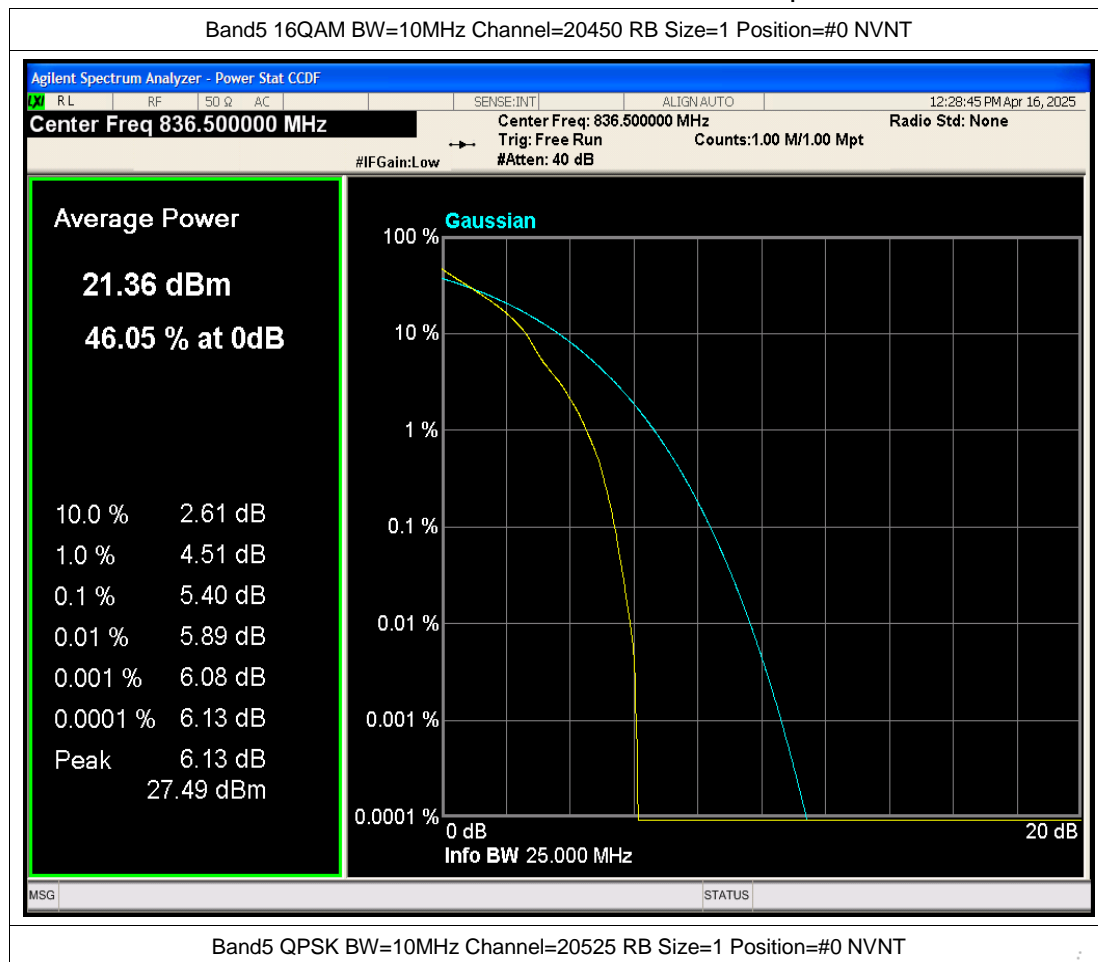


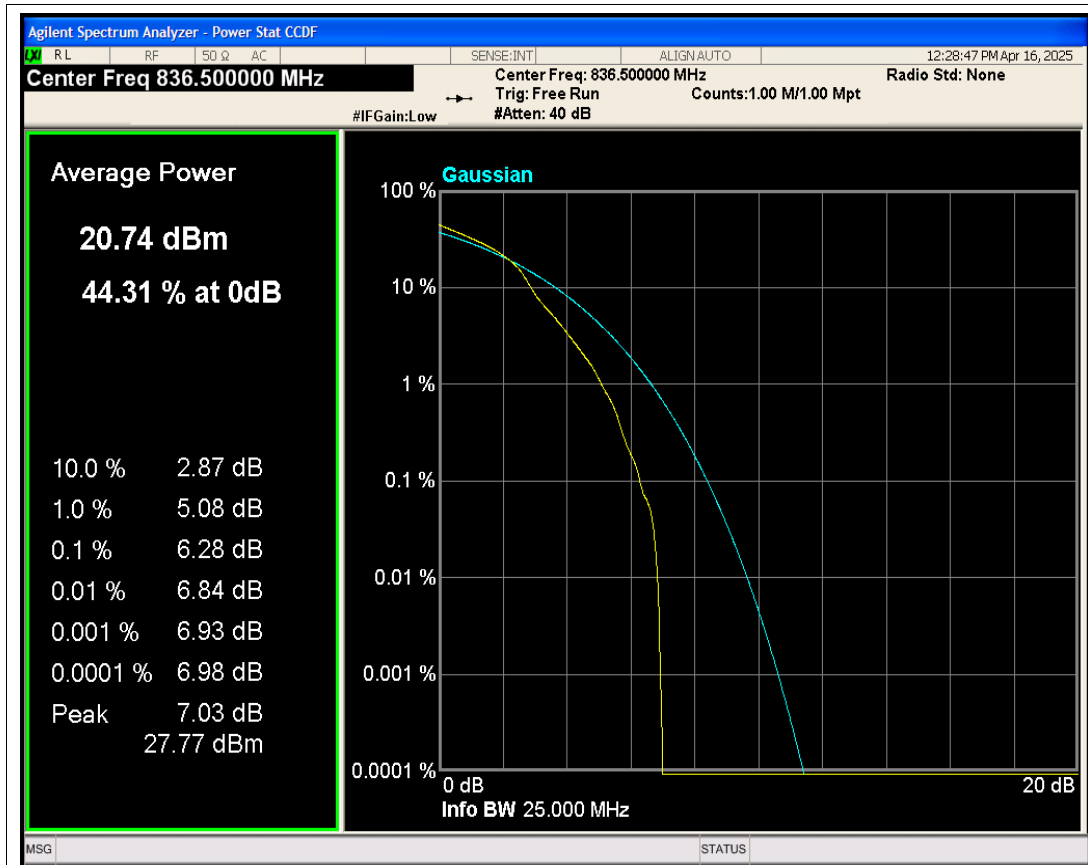




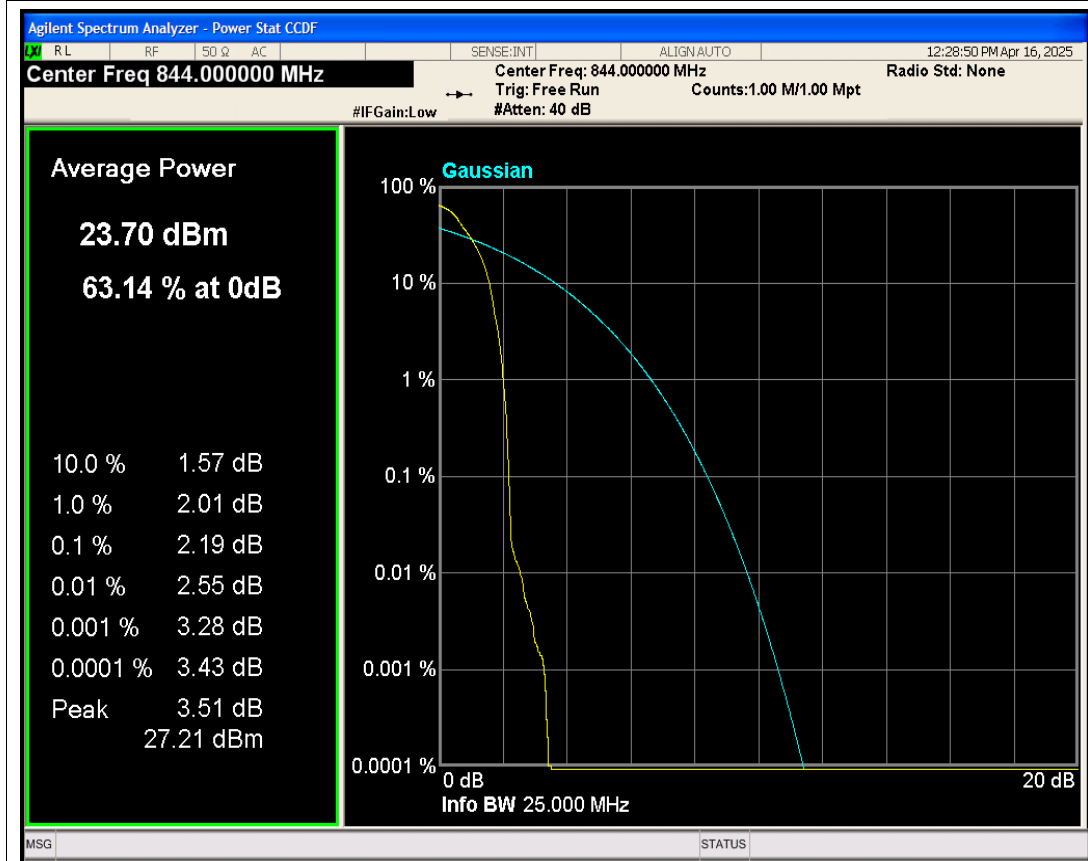
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



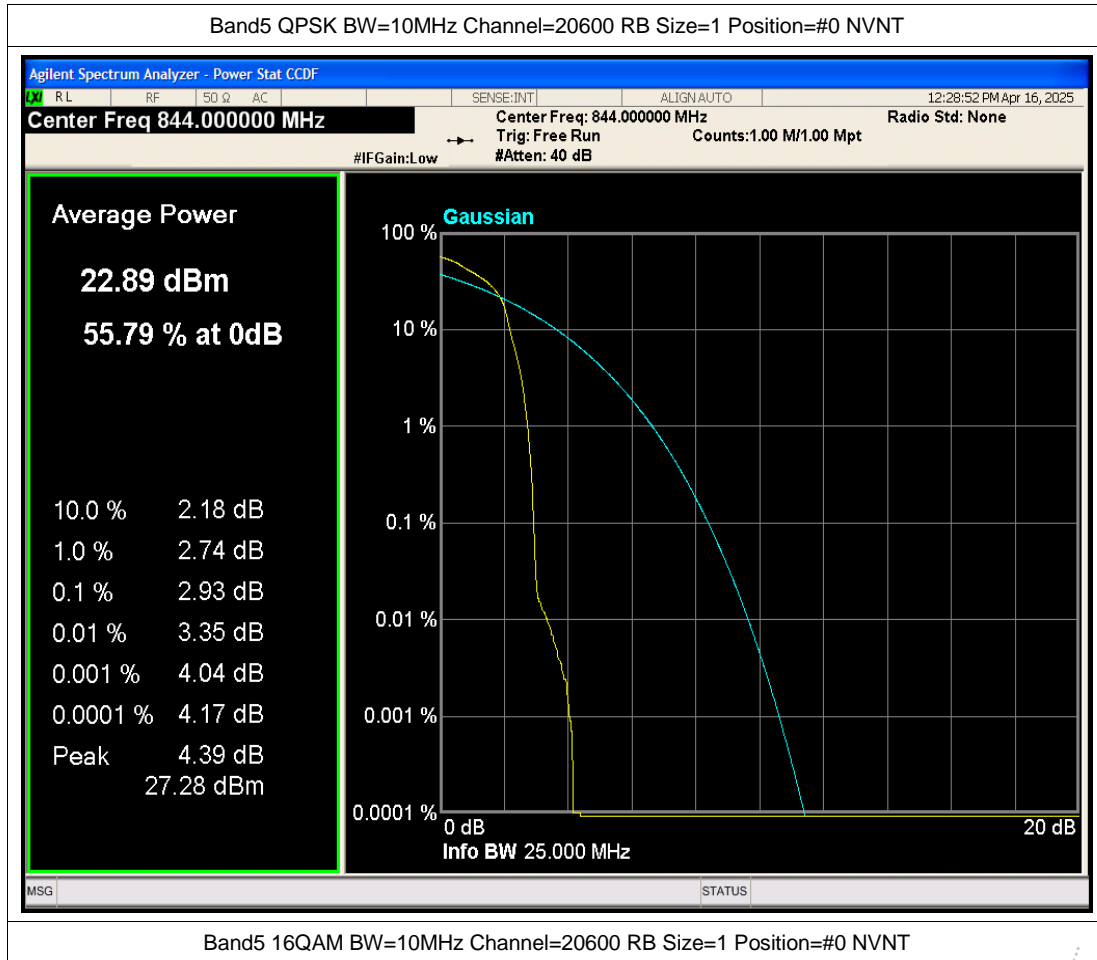




Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0 NVNT

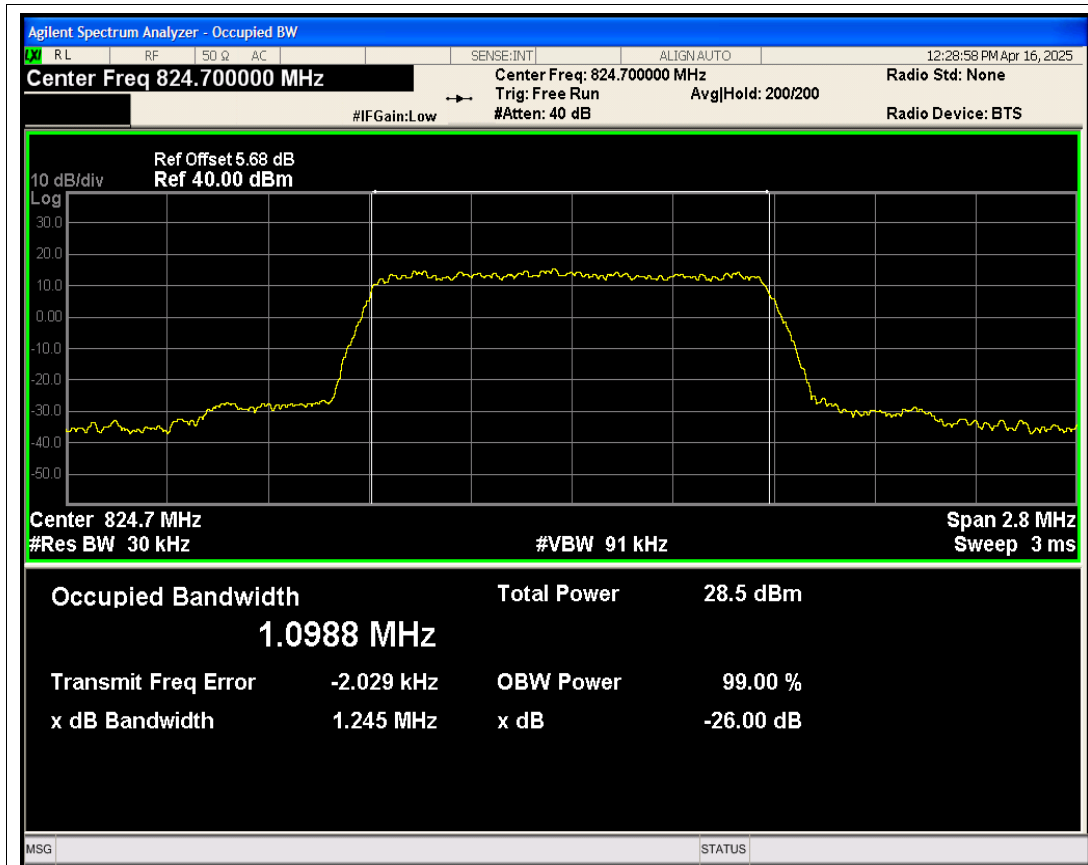




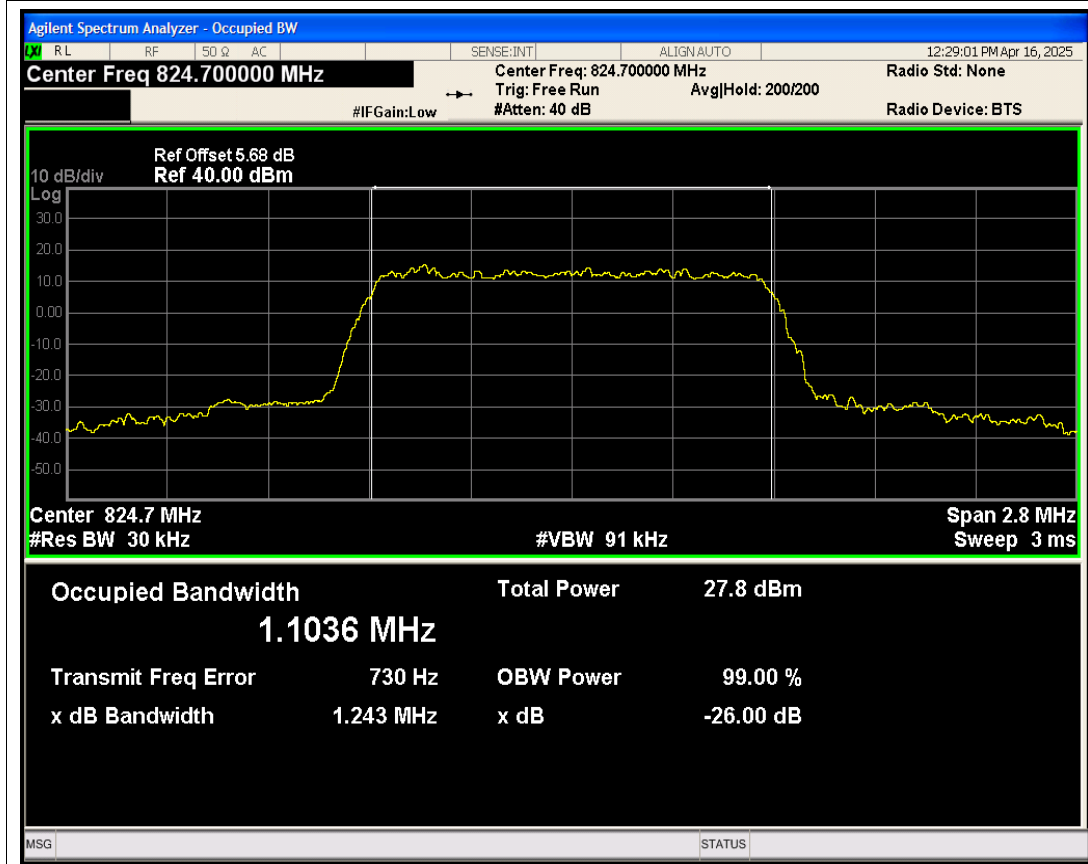


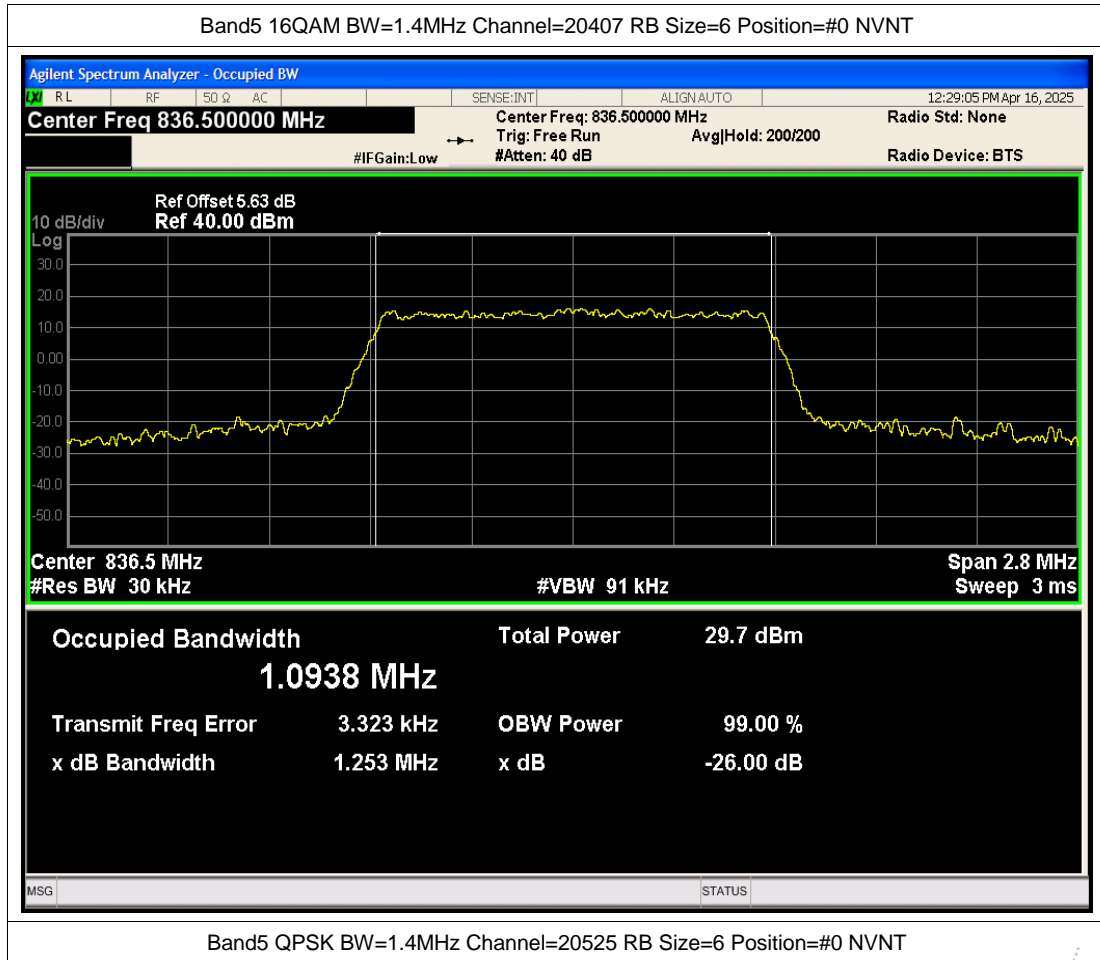
## Appendix 4.Occupied bandwidth

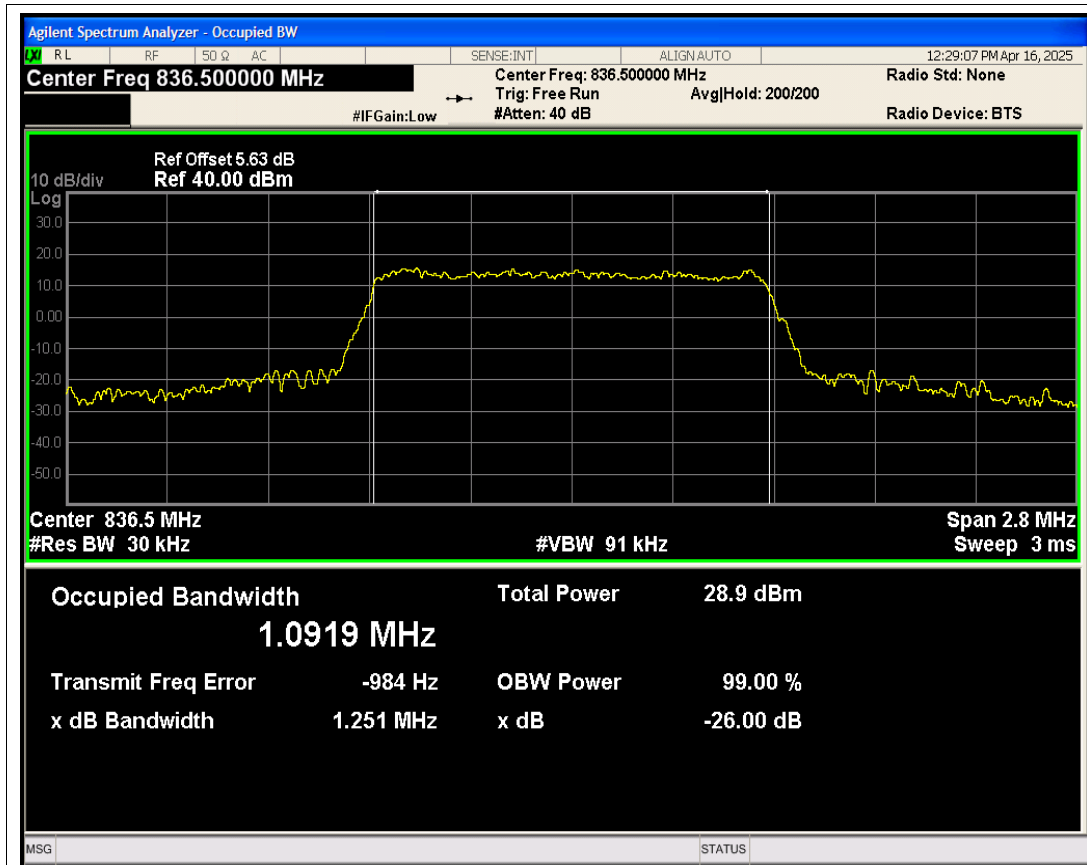
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	1.099	1.245	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	1.104	1.243	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	1.094	1.253	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	1.092	1.251	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	1.117	1.645	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	1.114	1.366	PASS
NVNT	Band5	3	20415	15	#0	QPSK	2.711	3.050	PASS
NVNT	Band5	3	20415	15	#0	16QAM	2.698	3.047	PASS
NVNT	Band5	3	20525	15	#0	QPSK	2.701	3.010	PASS
NVNT	Band5	3	20525	15	#0	16QAM	2.709	3.032	PASS
NVNT	Band5	3	20635	15	#0	QPSK	2.718	3.163	PASS
NVNT	Band5	3	20635	15	#0	16QAM	2.717	3.191	PASS
NVNT	Band5	5	20425	25	#0	QPSK	4.522	5.006	PASS
NVNT	Band5	5	20425	25	#0	16QAM	4.510	4.987	PASS
NVNT	Band5	5	20525	25	#0	QPSK	4.520	4.985	PASS
NVNT	Band5	5	20525	25	#0	16QAM	4.501	4.972	PASS
NVNT	Band5	5	20625	25	#0	QPSK	4.492	4.989	PASS
NVNT	Band5	5	20625	25	#0	16QAM	4.493	4.969	PASS
NVNT	Band5	10	20450	50	#0	QPSK	8.985	9.802	PASS
NVNT	Band5	10	20450	50	#0	16QAM	8.979	9.844	PASS
NVNT	Band5	10	20525	50	#0	QPSK	8.984	9.808	PASS
NVNT	Band5	10	20525	50	#0	16QAM	8.975	9.850	PASS
NVNT	Band5	10	20600	50	#0	QPSK	9.001	10.650	PASS
NVNT	Band5	10	20600	50	#0	16QAM	9.010	9.821	PASS



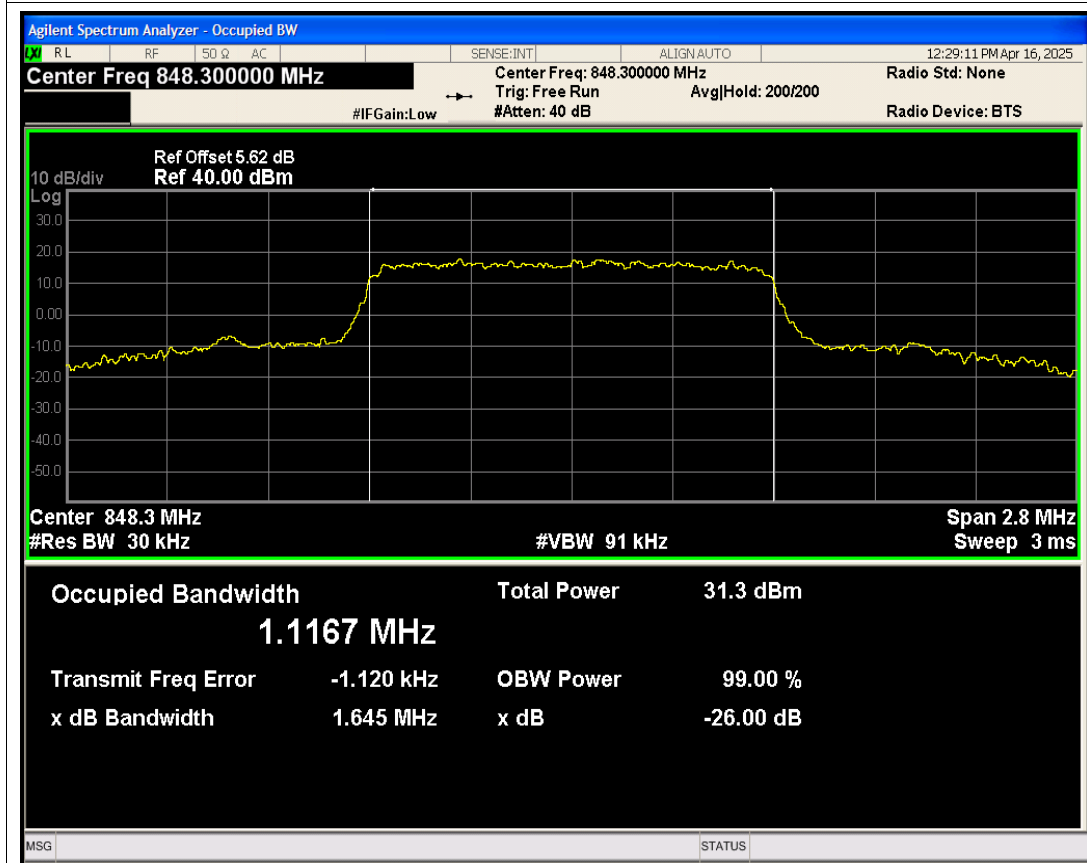
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

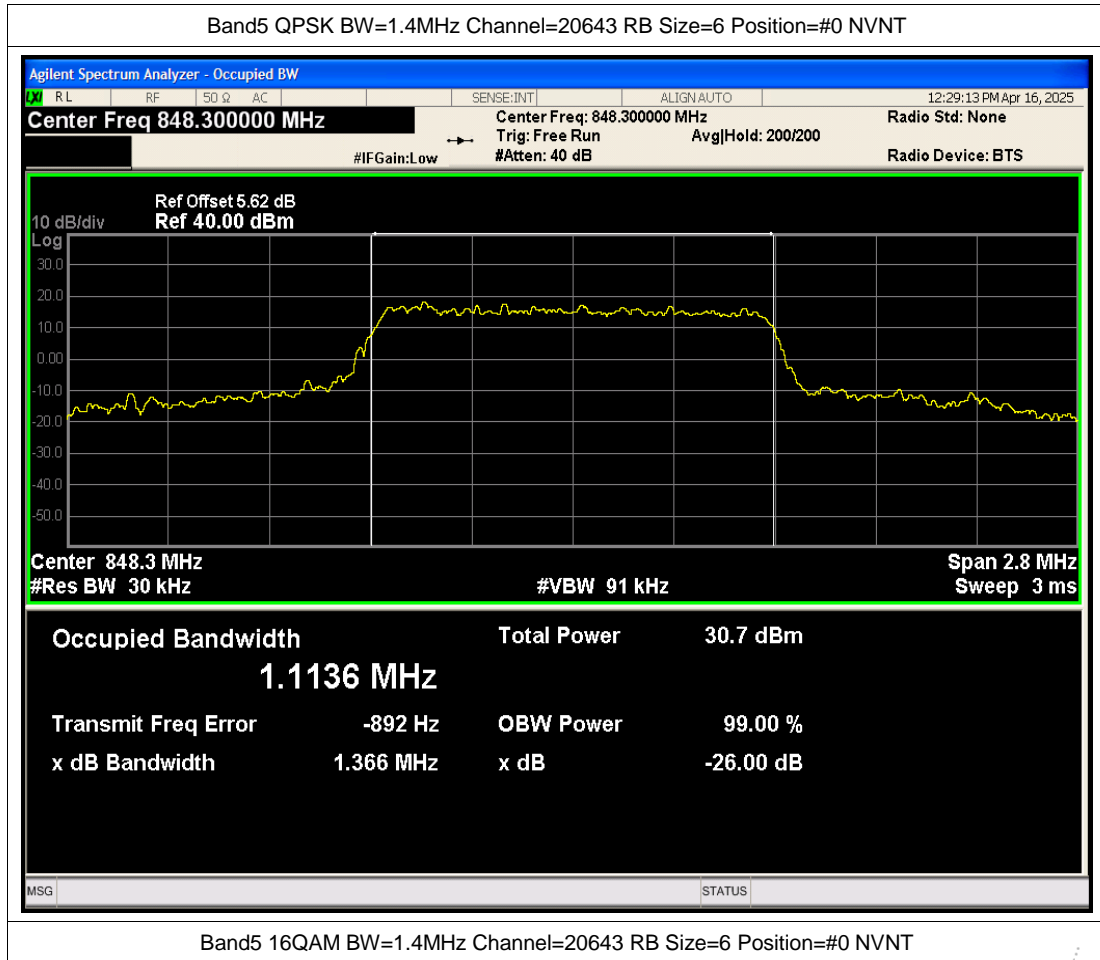


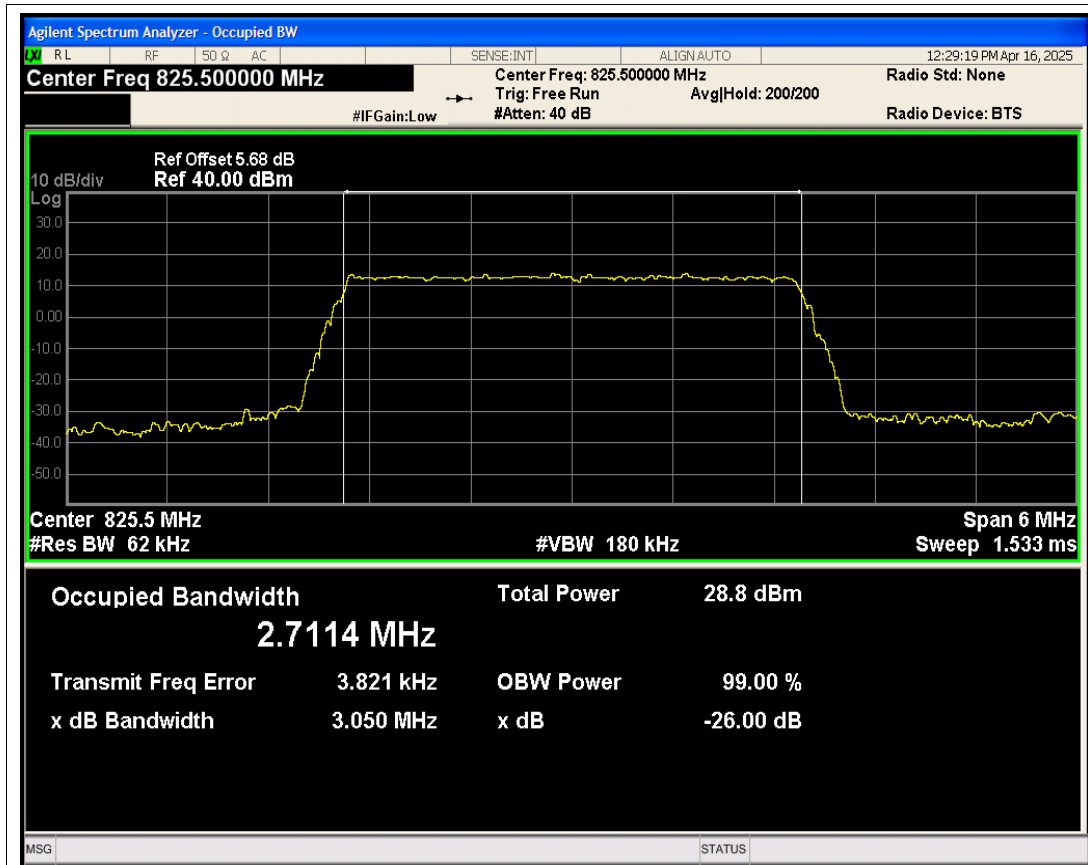




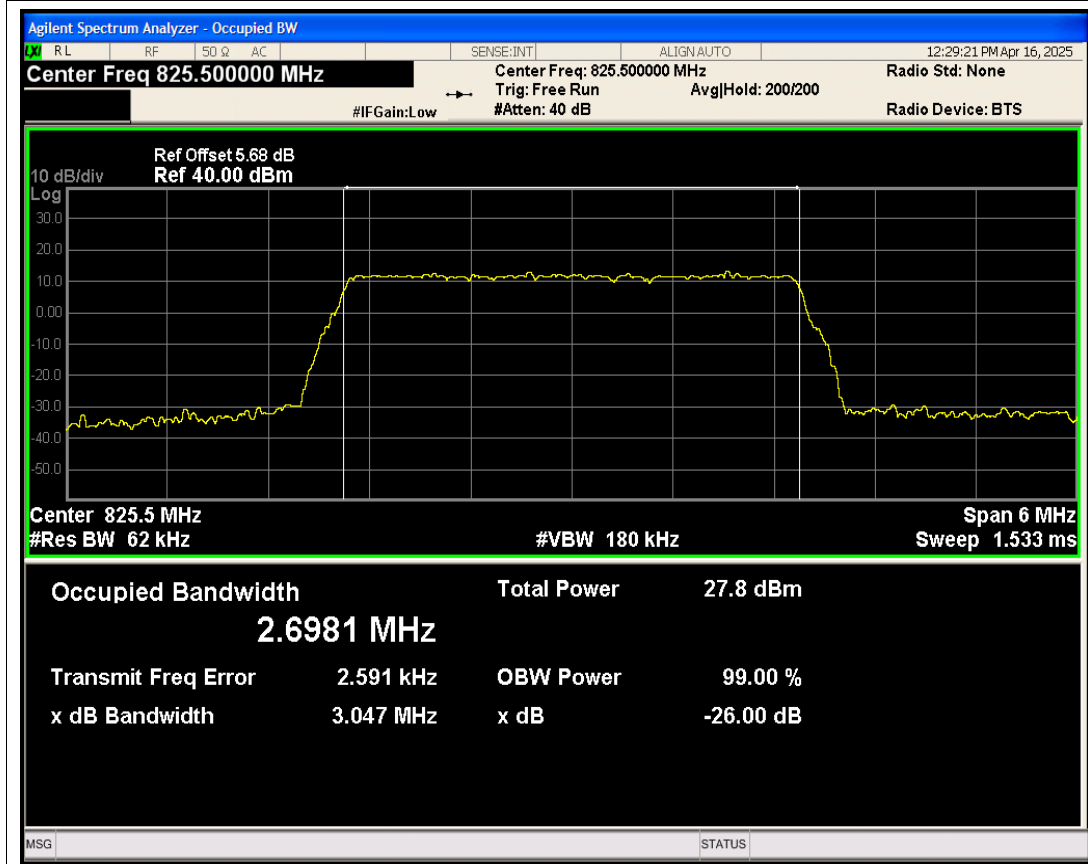
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT

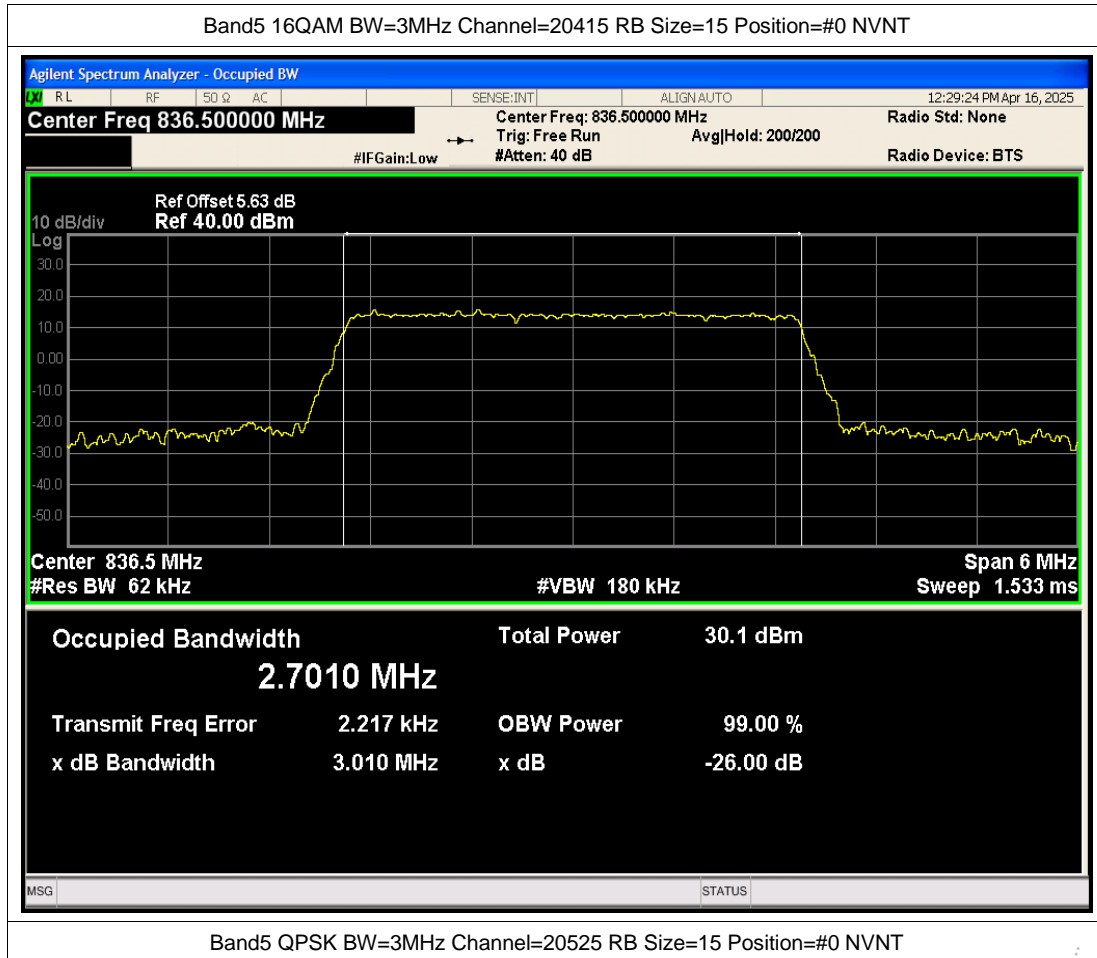




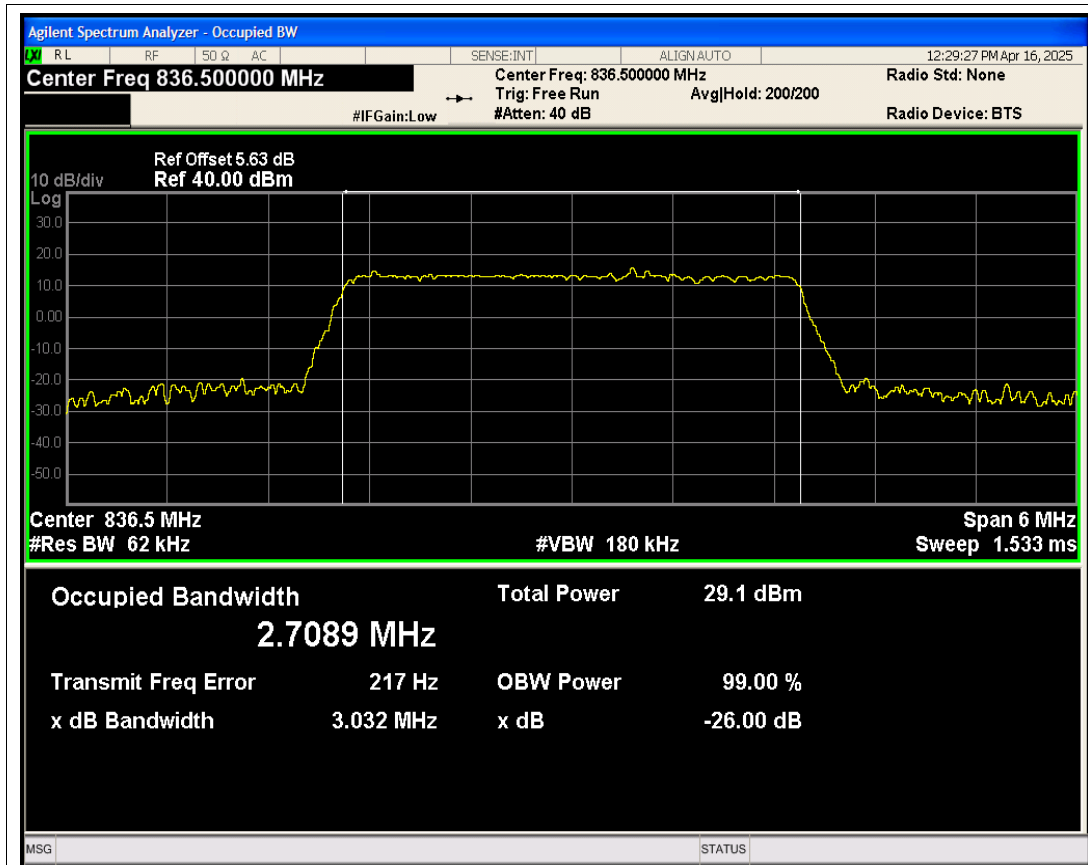


Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT

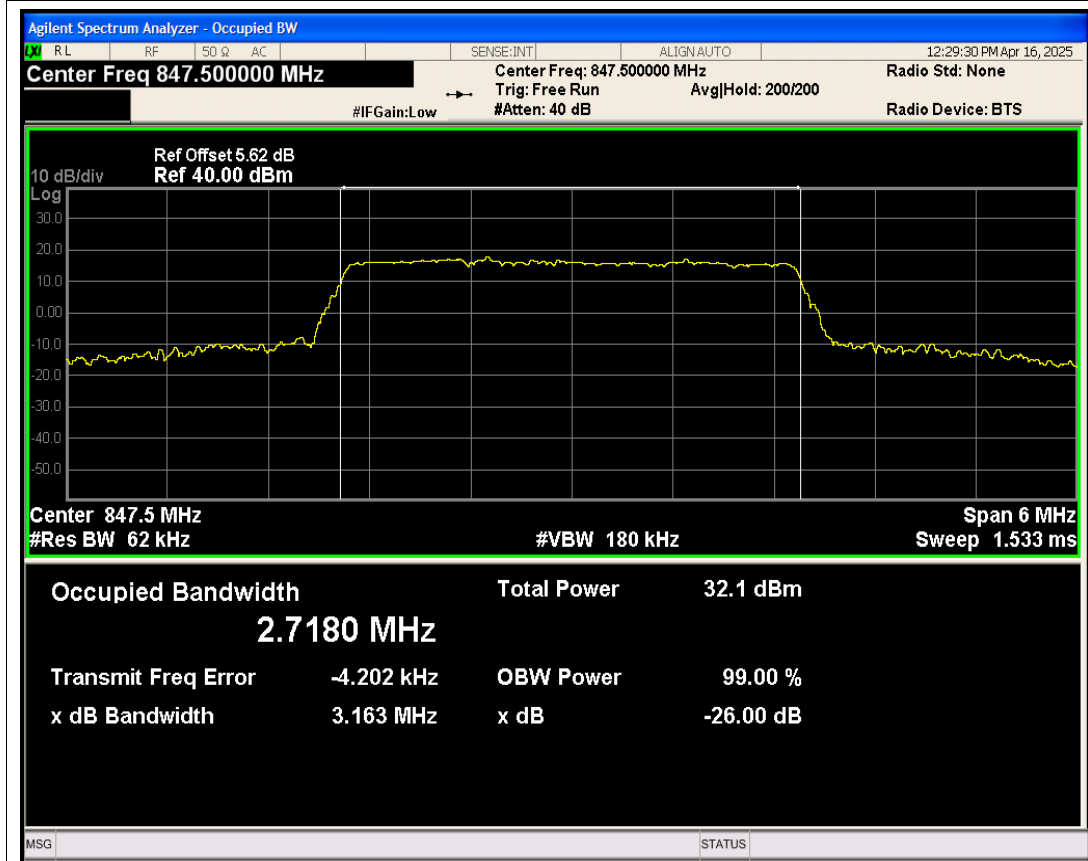


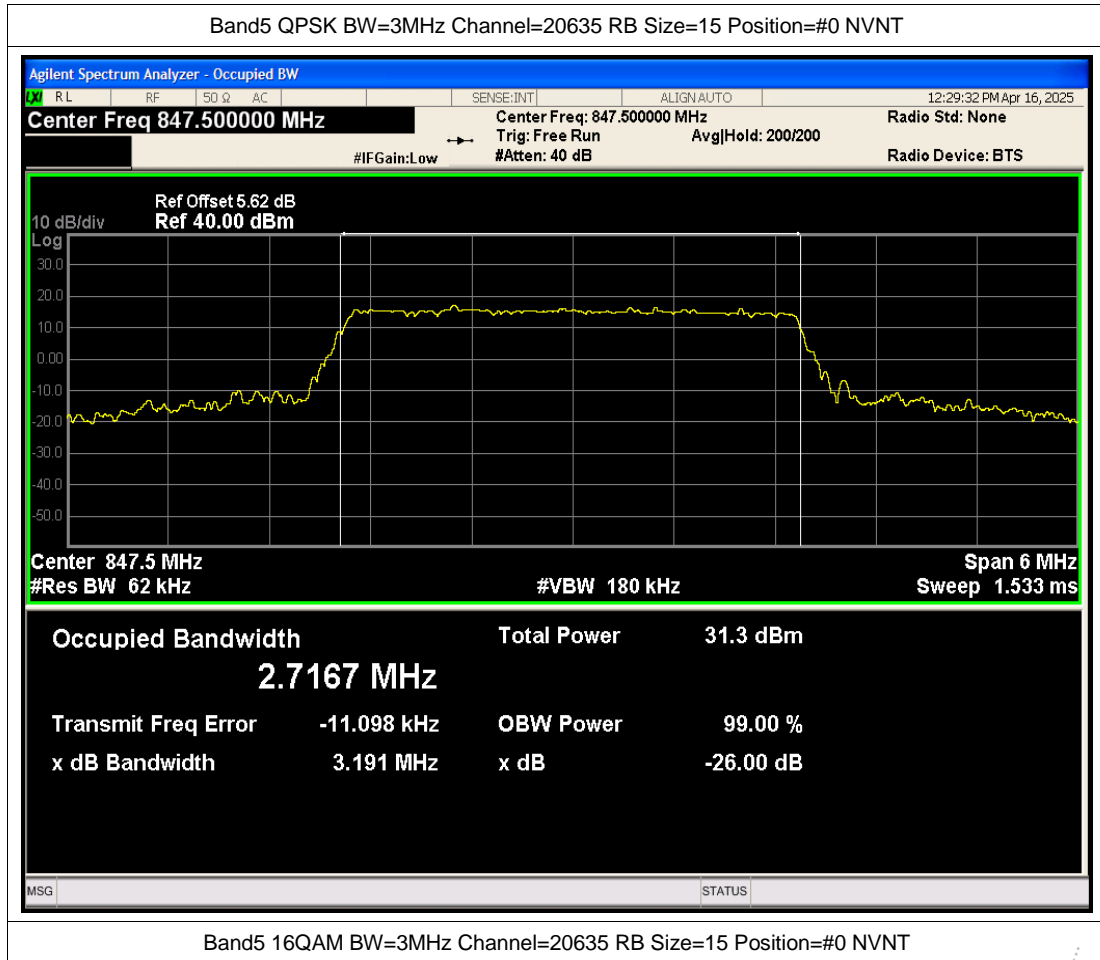


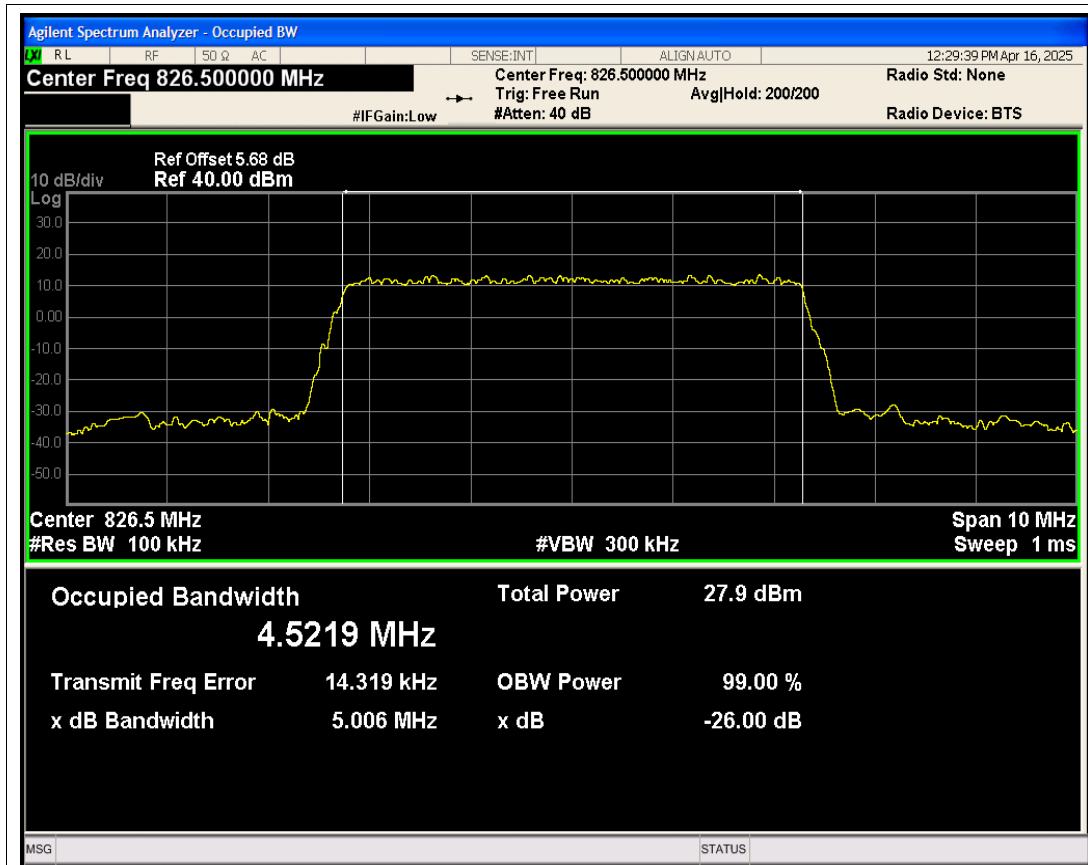




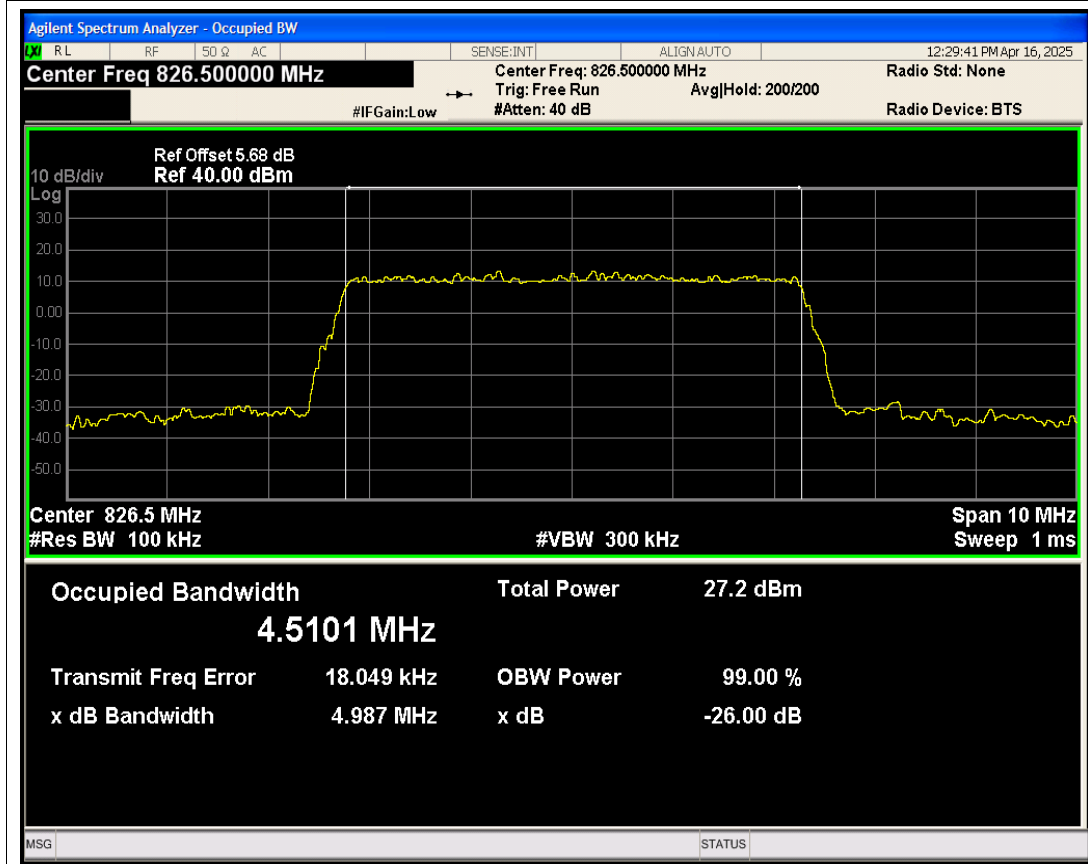
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT

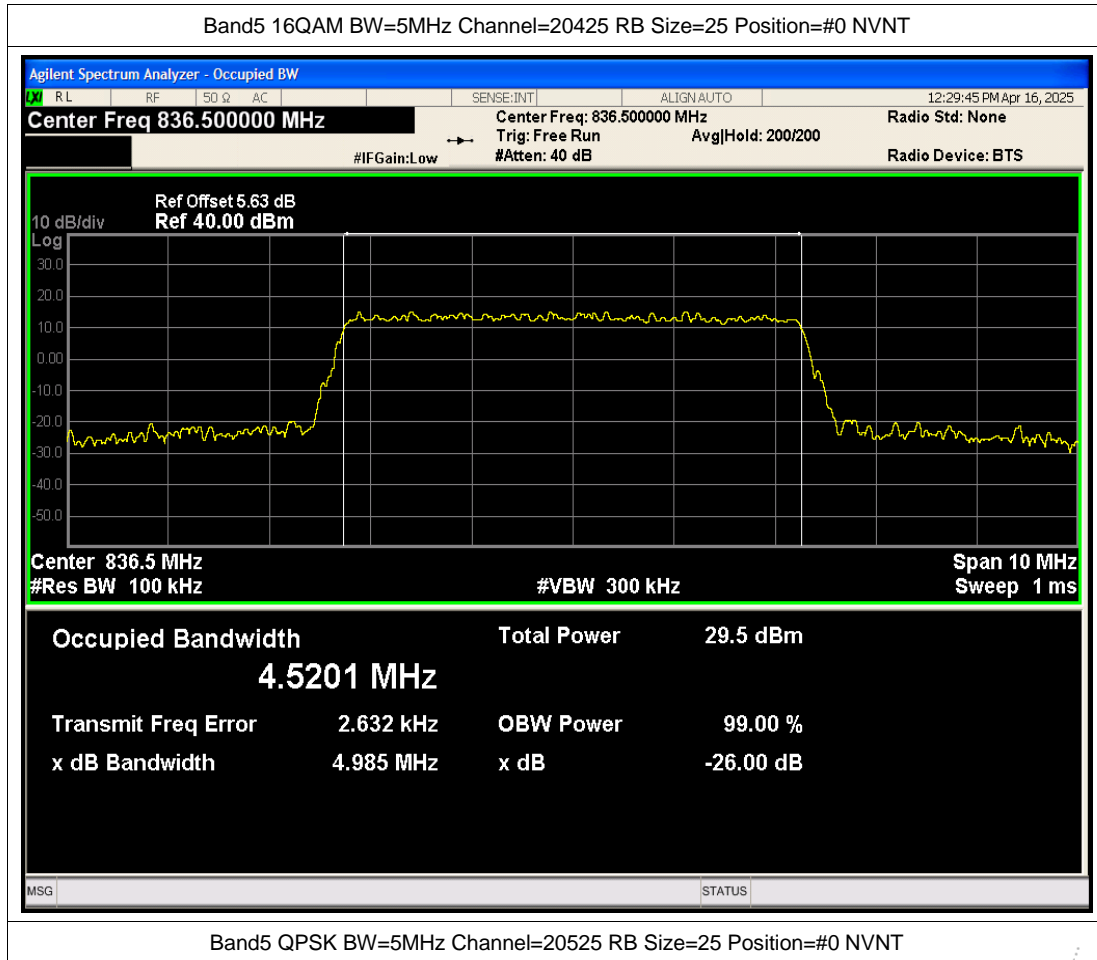


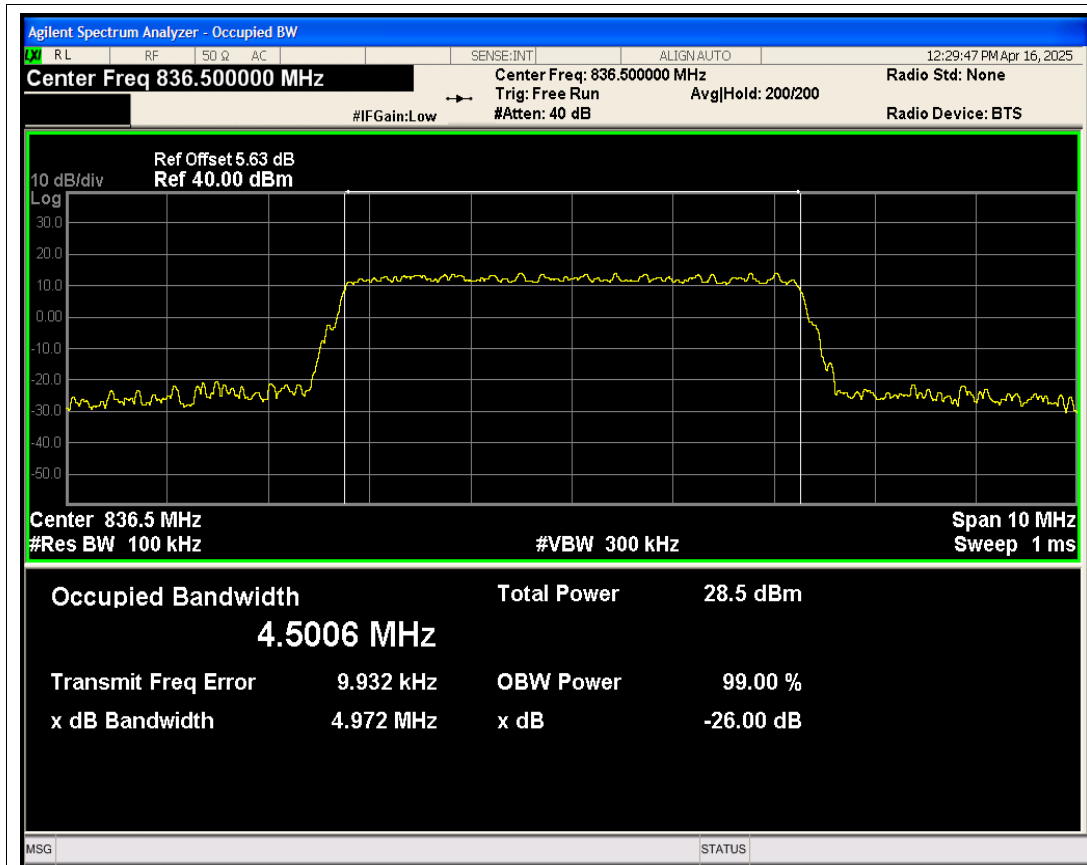




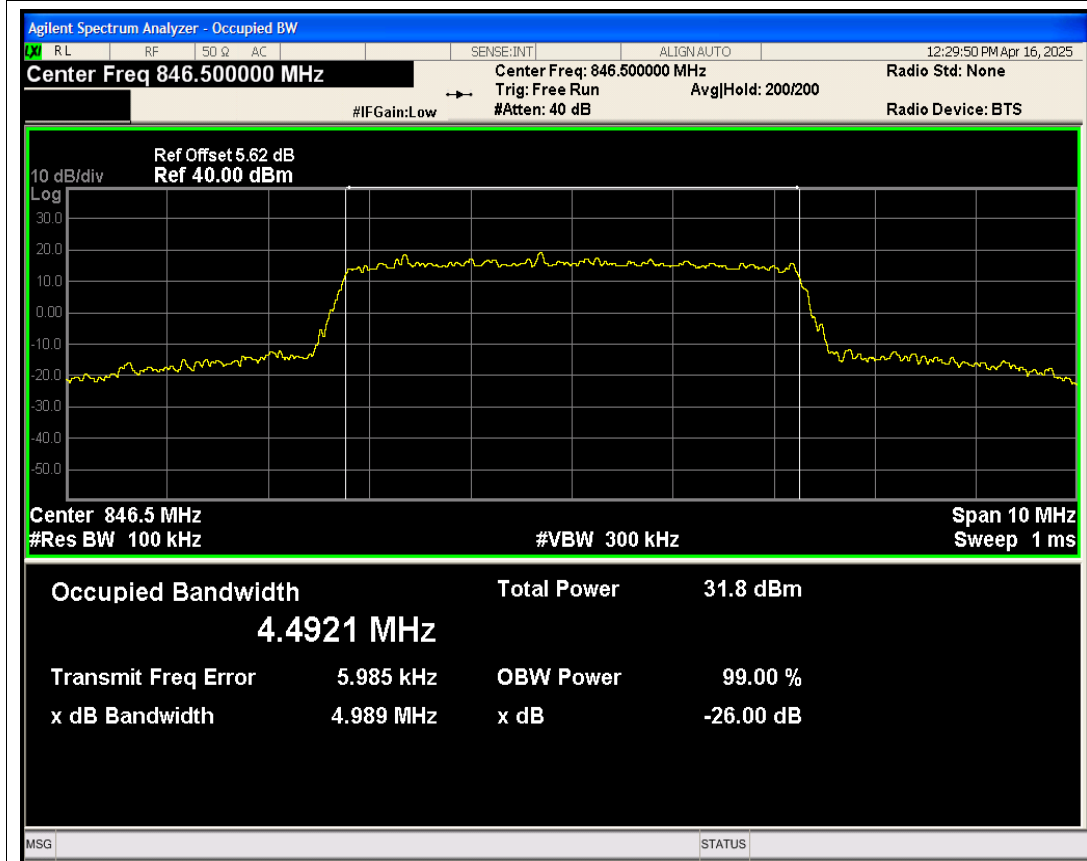
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT

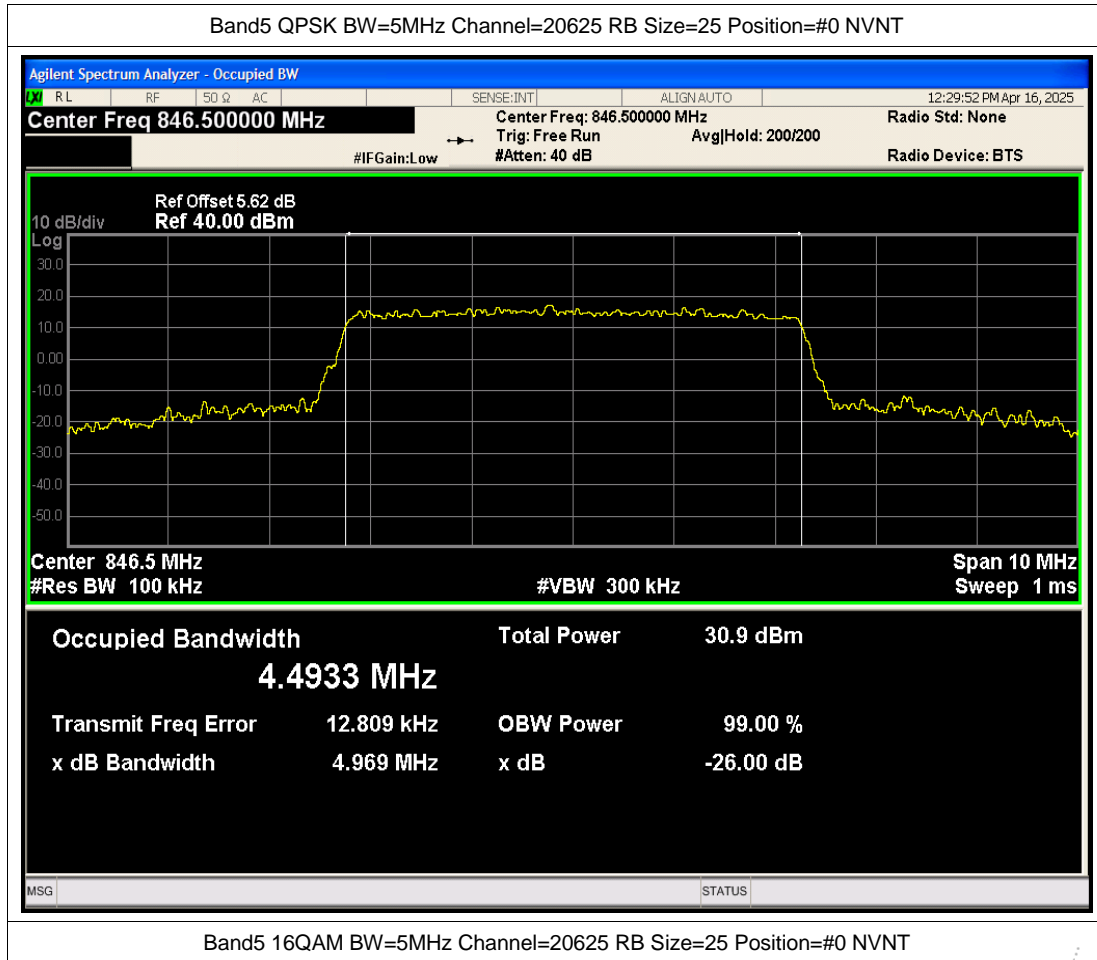


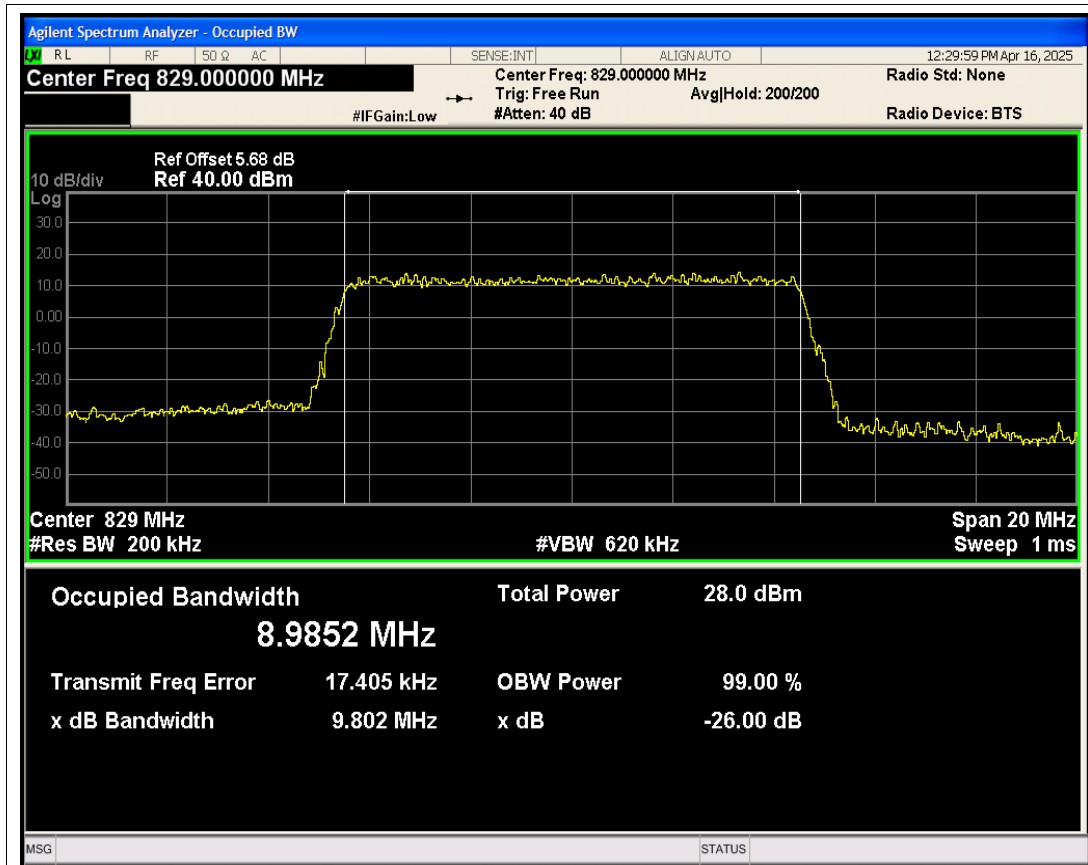




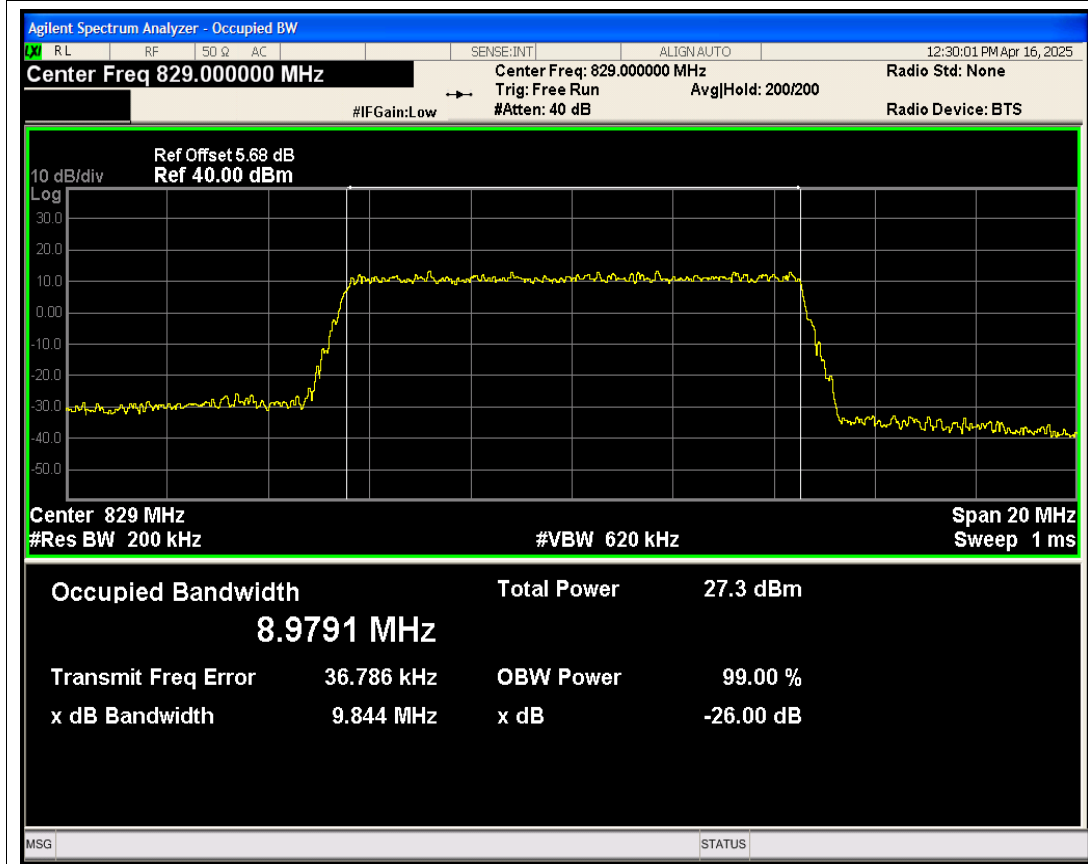
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT

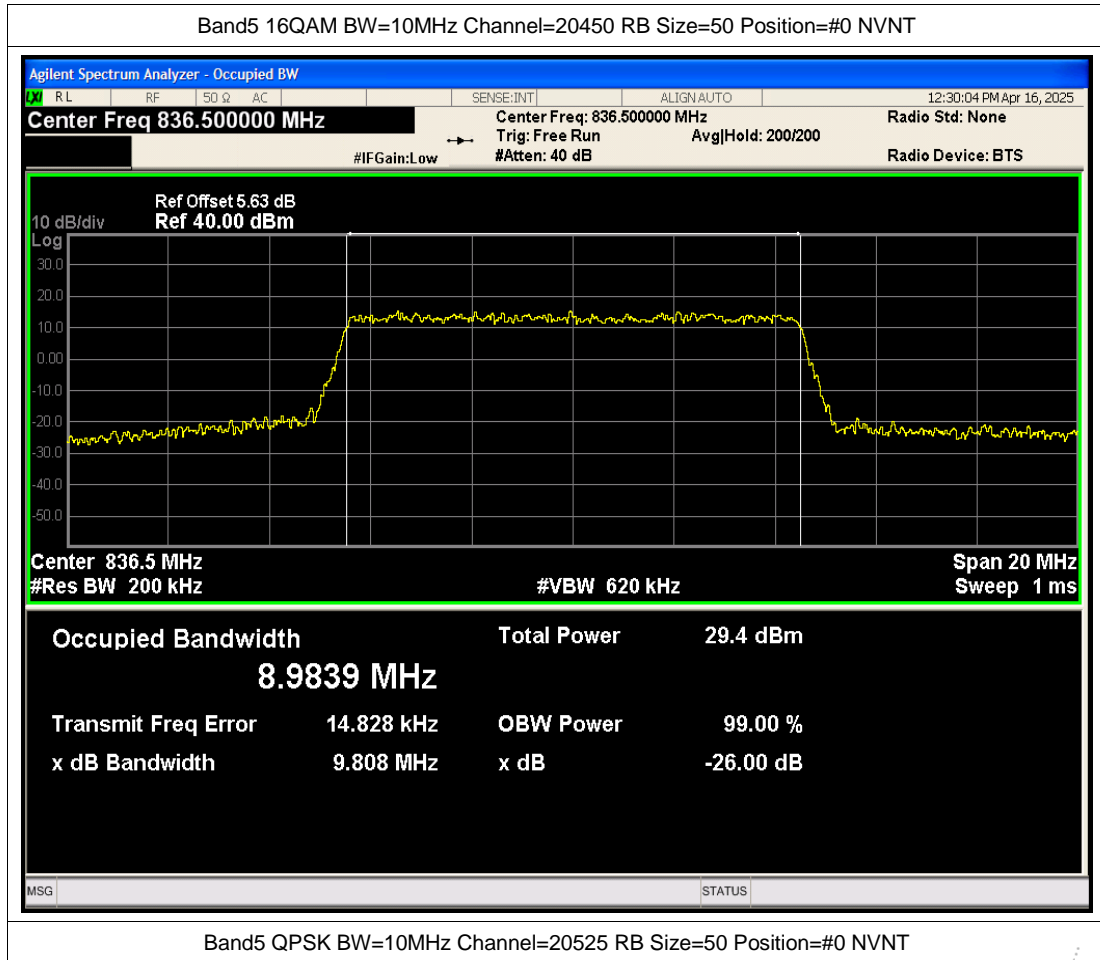




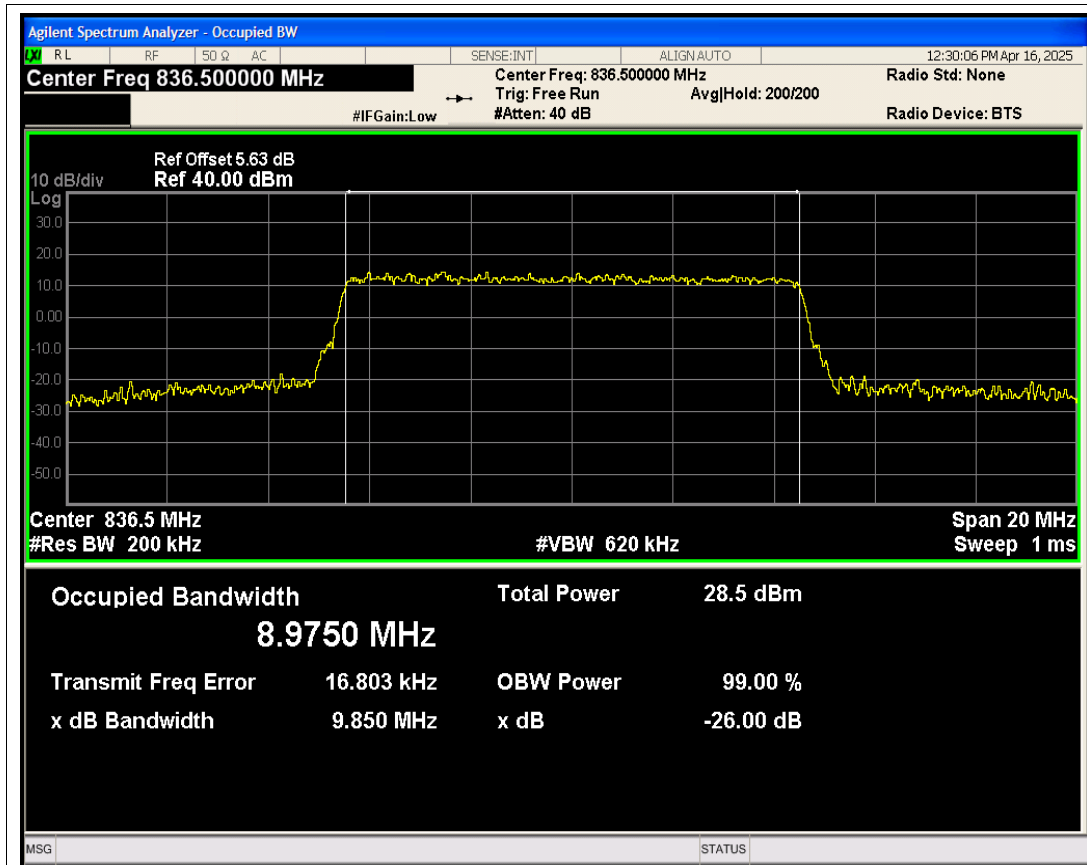


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT

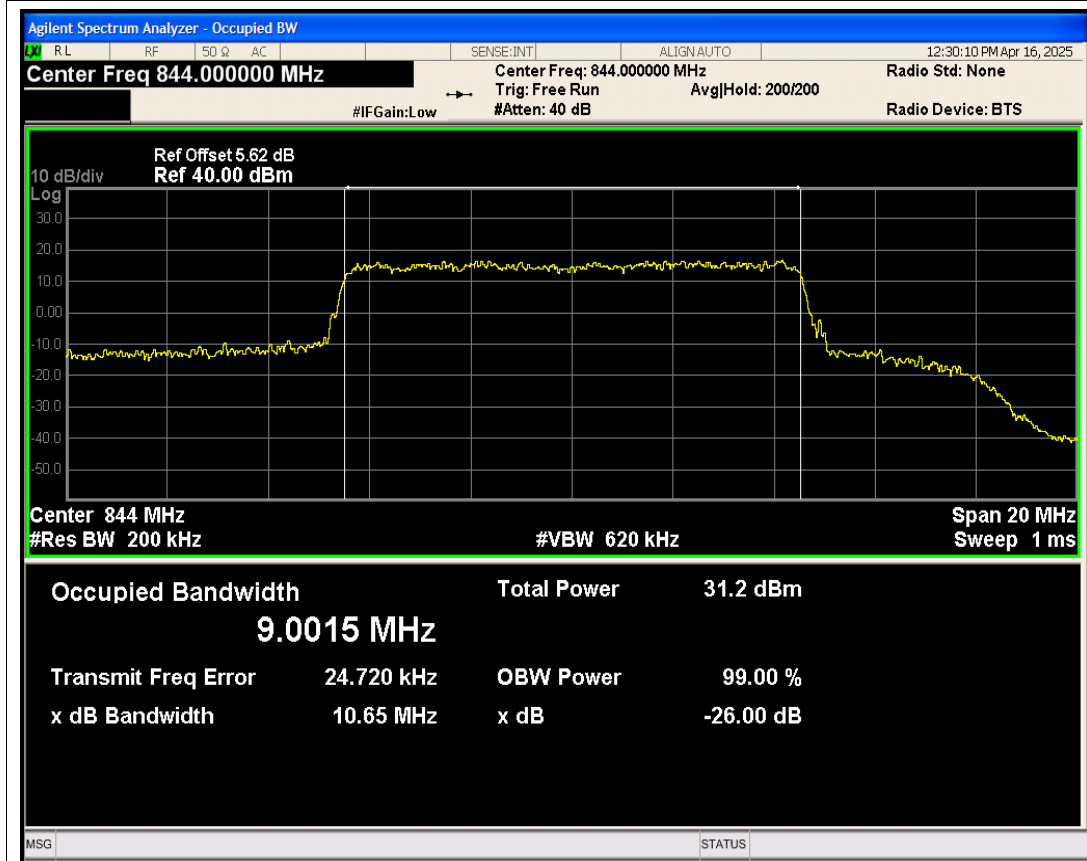


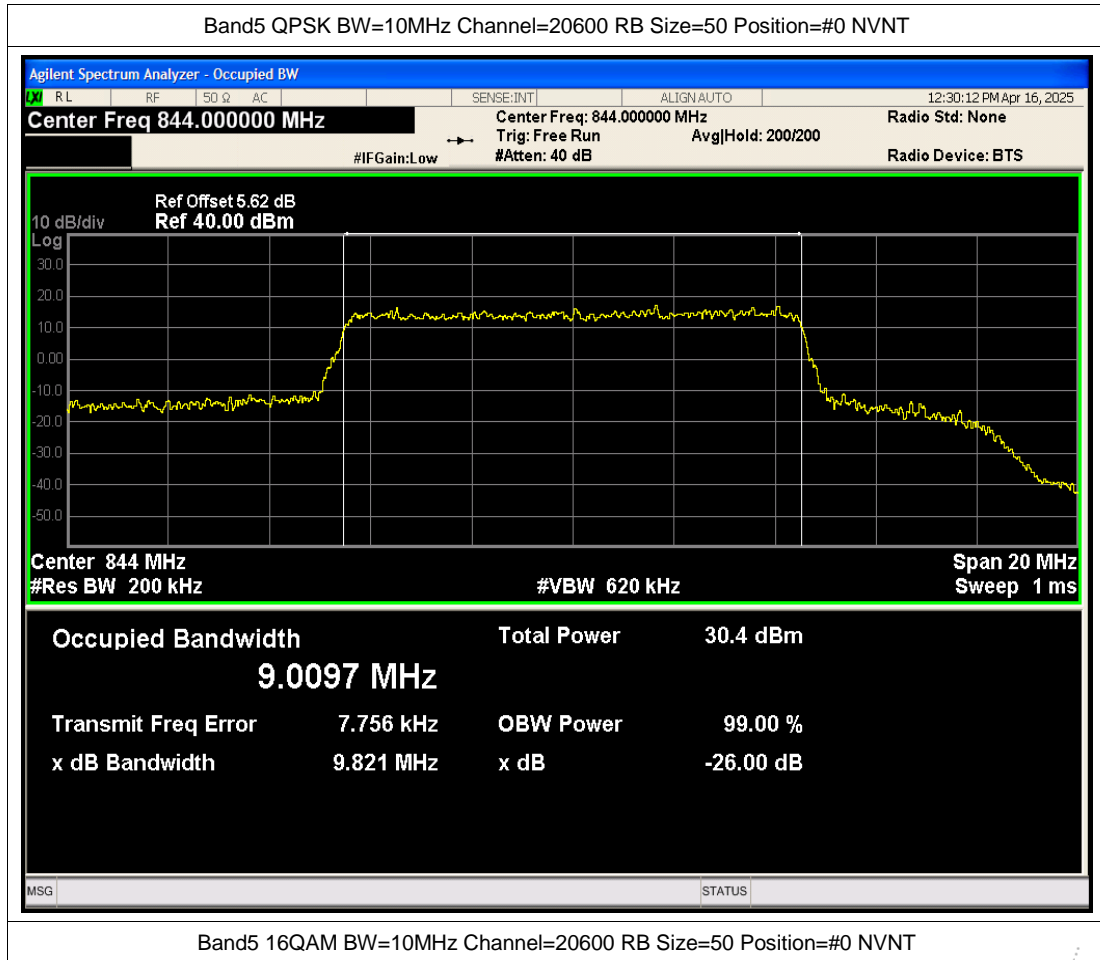






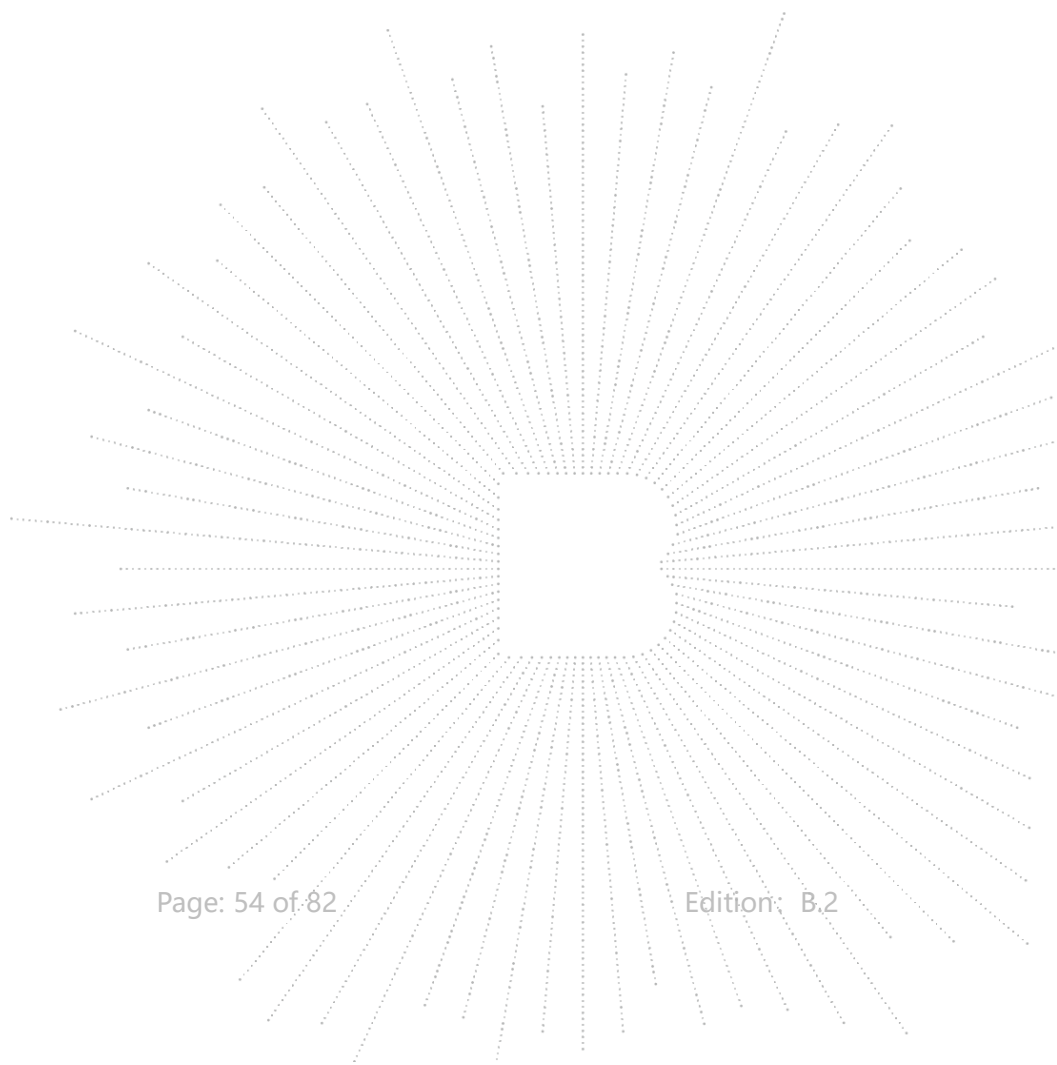
Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT

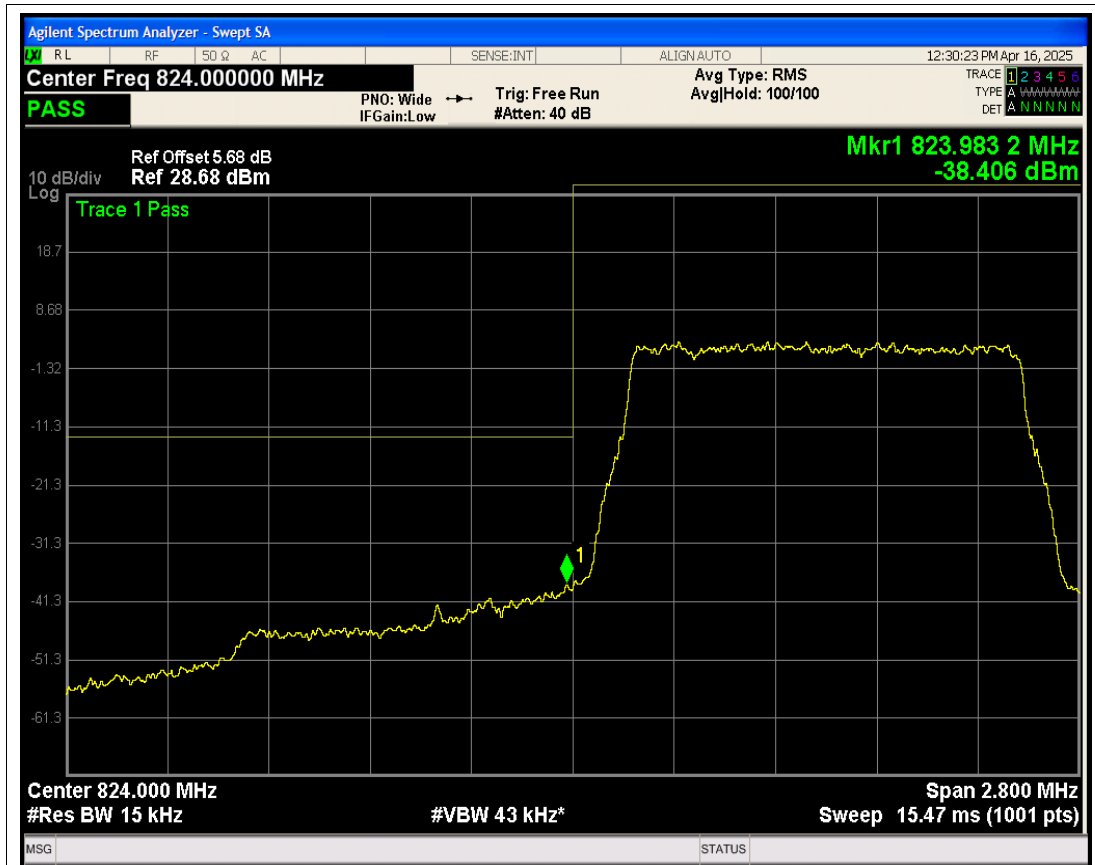




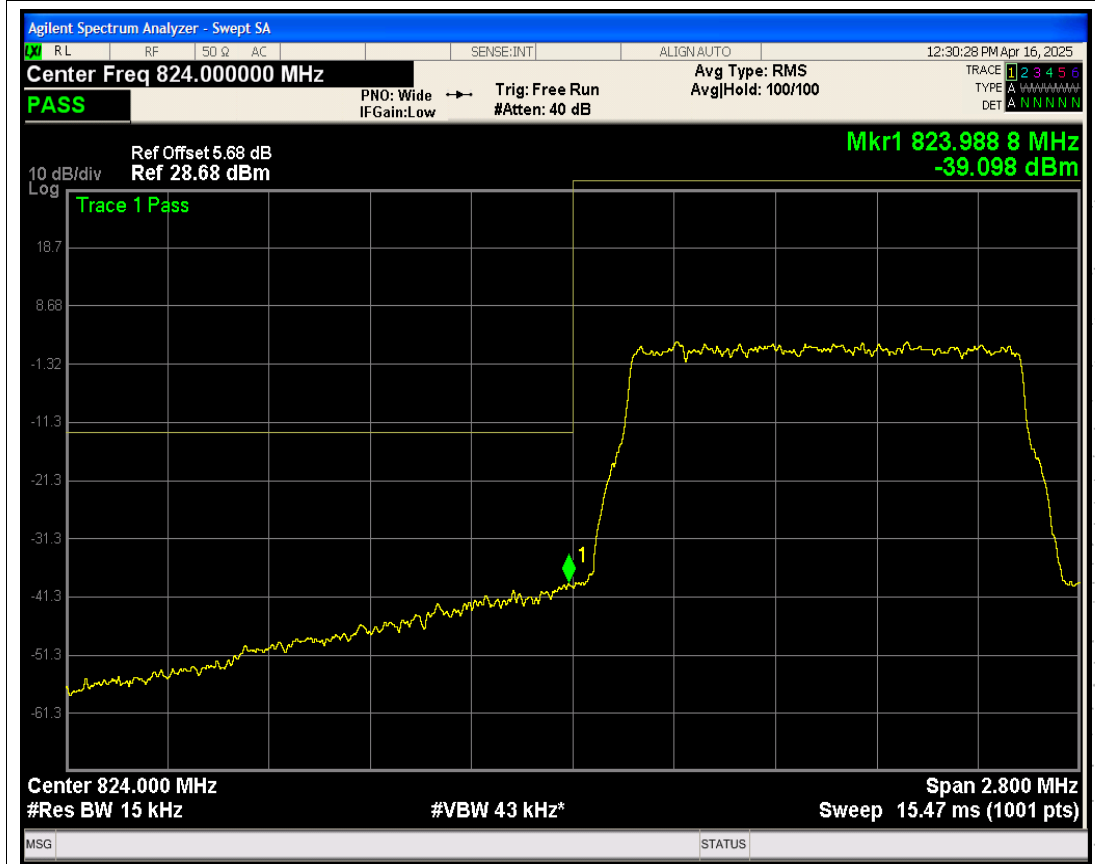
## Appendix 5.Band edge

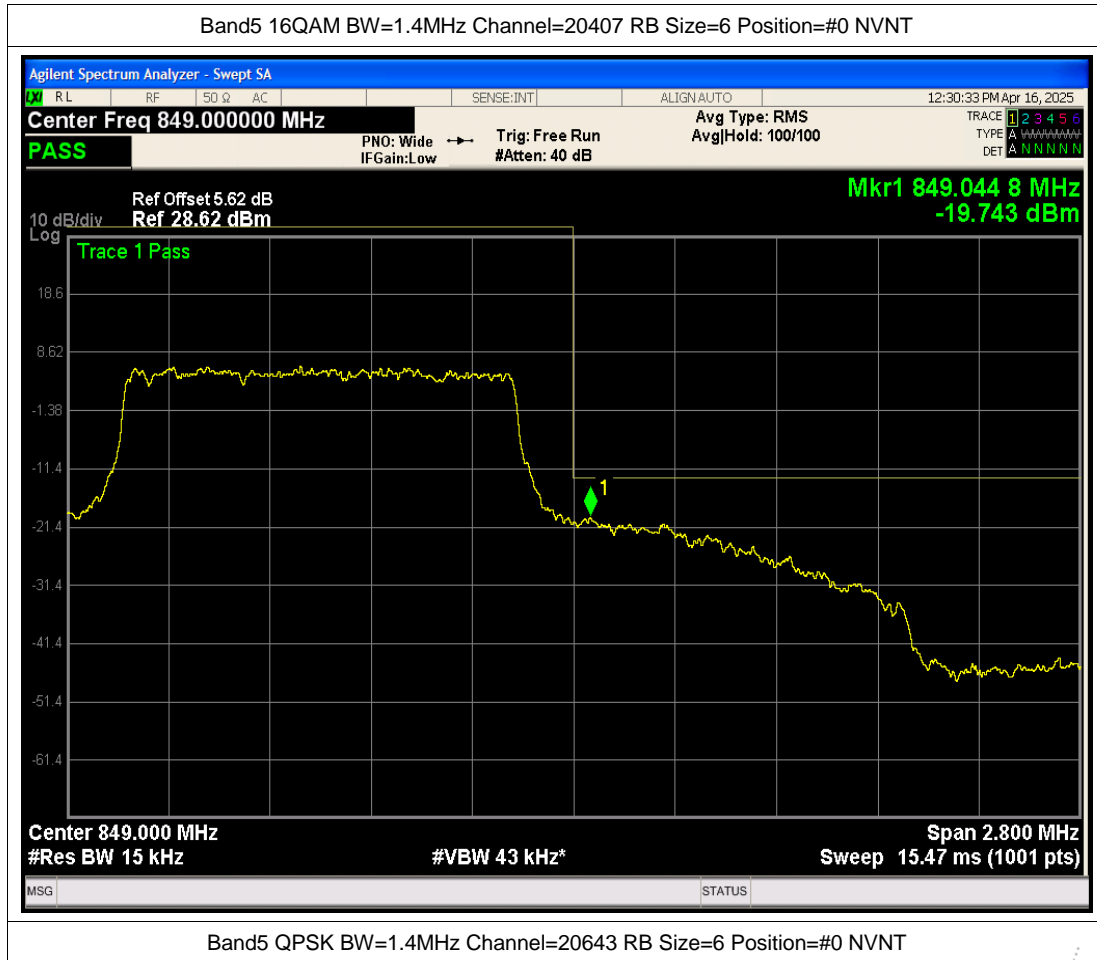
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	823.98	-38.40	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	823.99	-39.09	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	849.04	-19.74	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	849.03	-21.41	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	823.99	-26.08	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	824.00	-27.11	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	849.00	-20.72	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	849.00	-21.90	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	824.00	-34.75	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	824.00	-35.88	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	849.00	-24.32	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	849.00	-25.92	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	824.00	-36.09	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	824.00	-35.26	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	849.58	-23.78	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	849.00	-26.17	-13	PASS

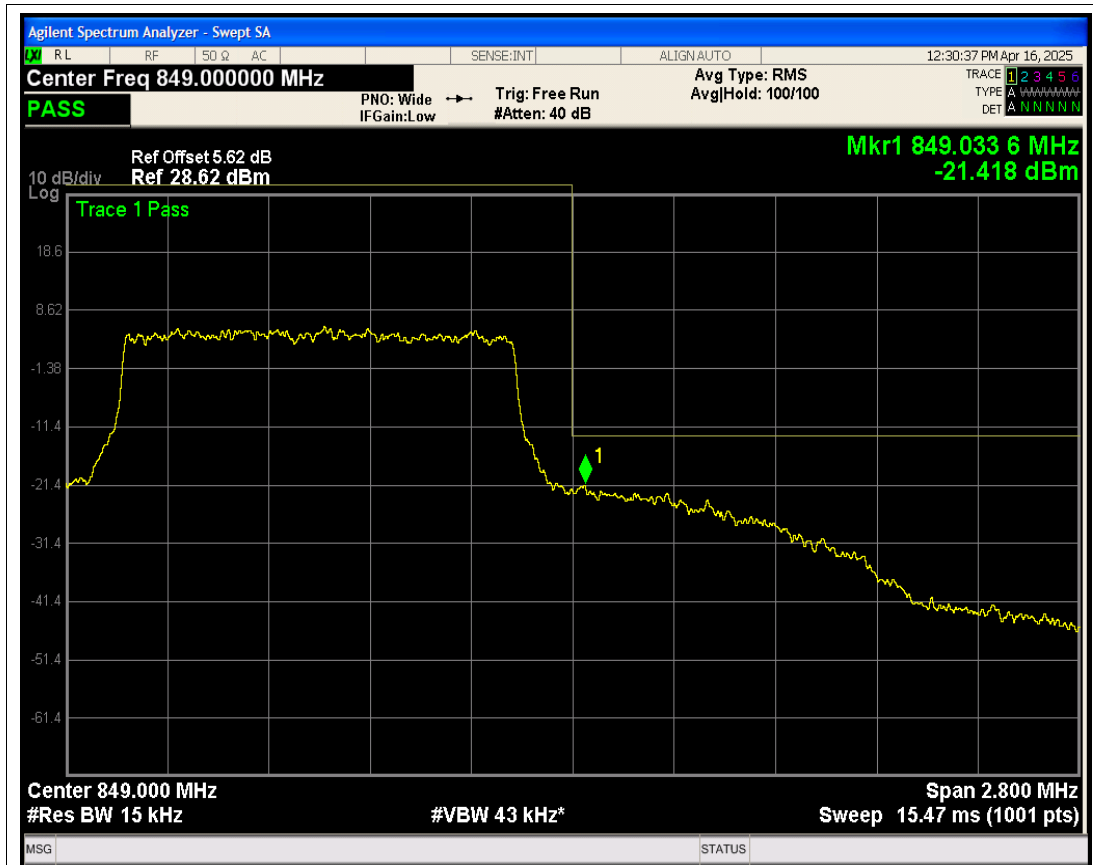




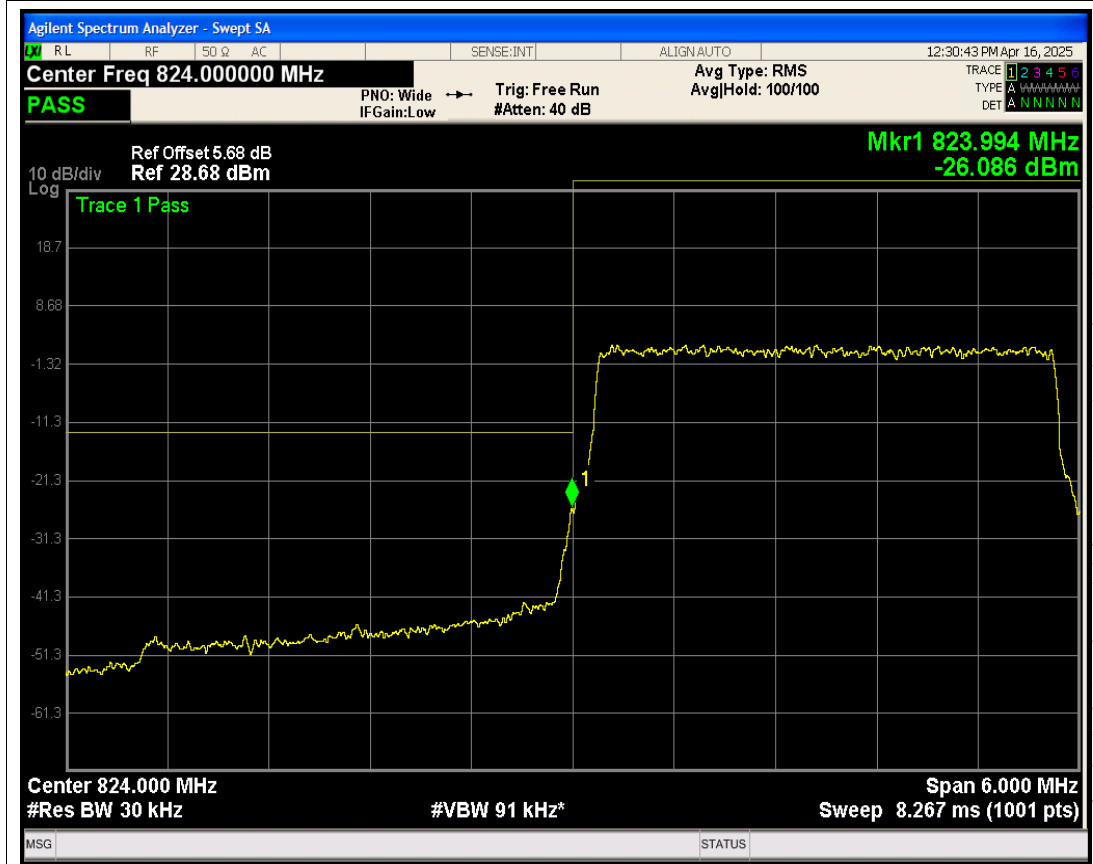
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

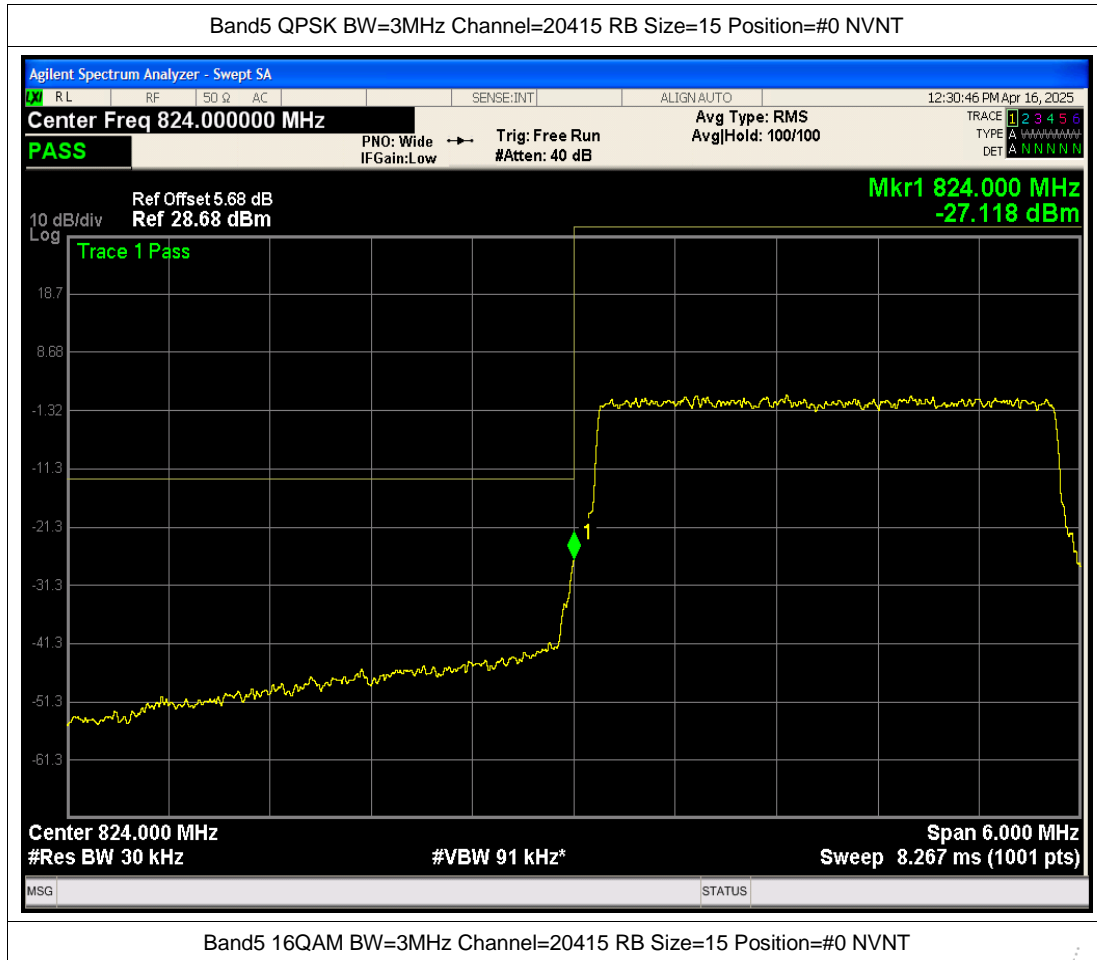


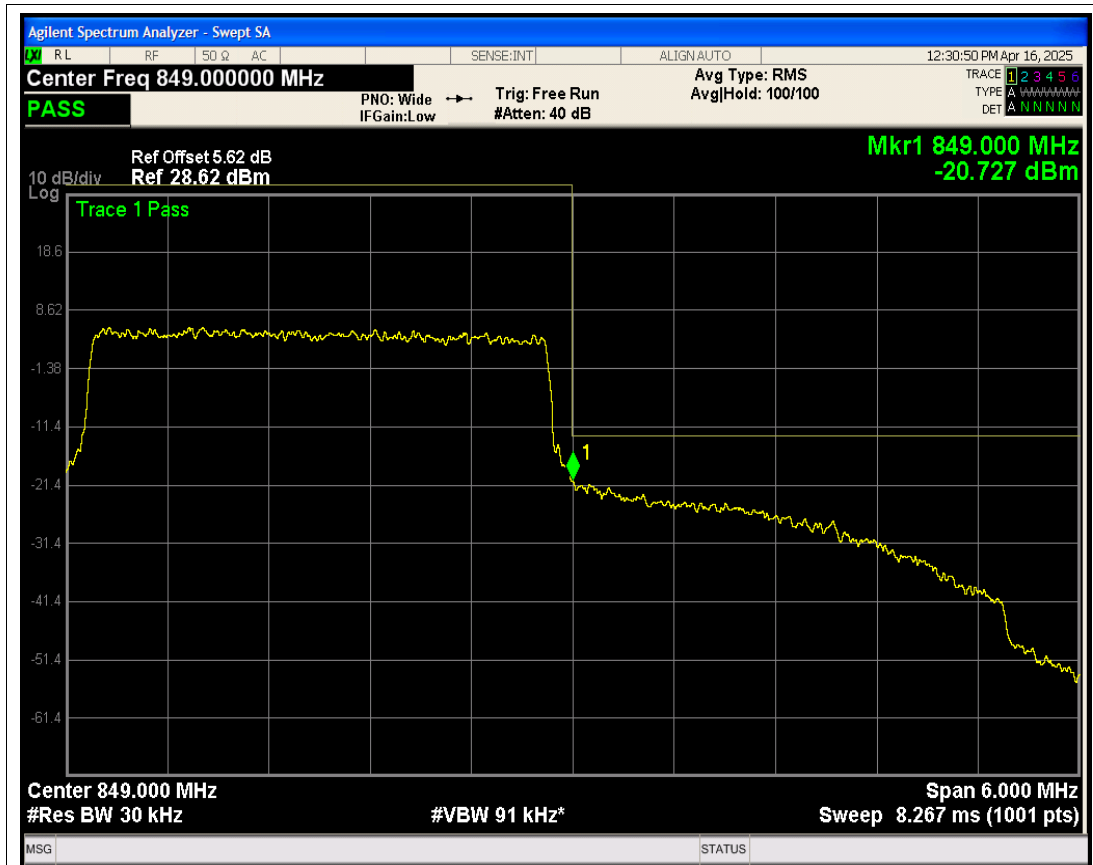




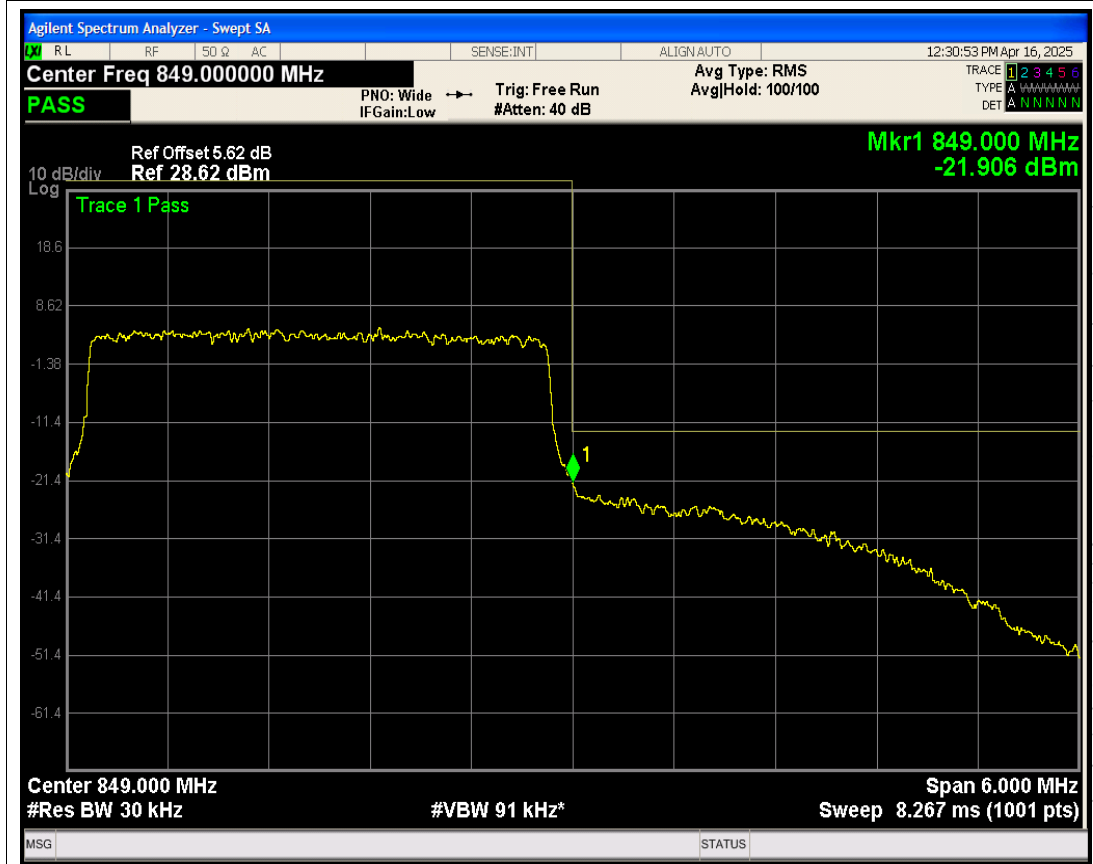
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



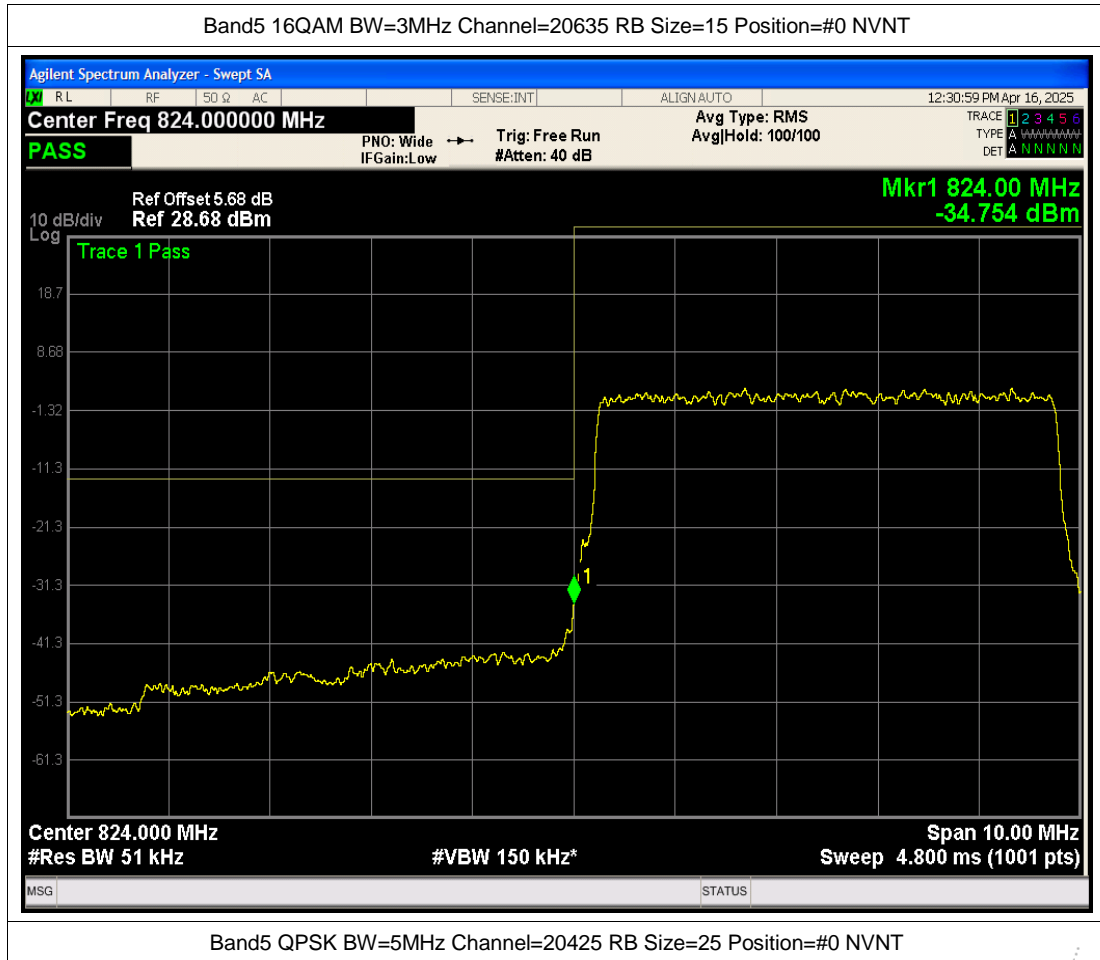


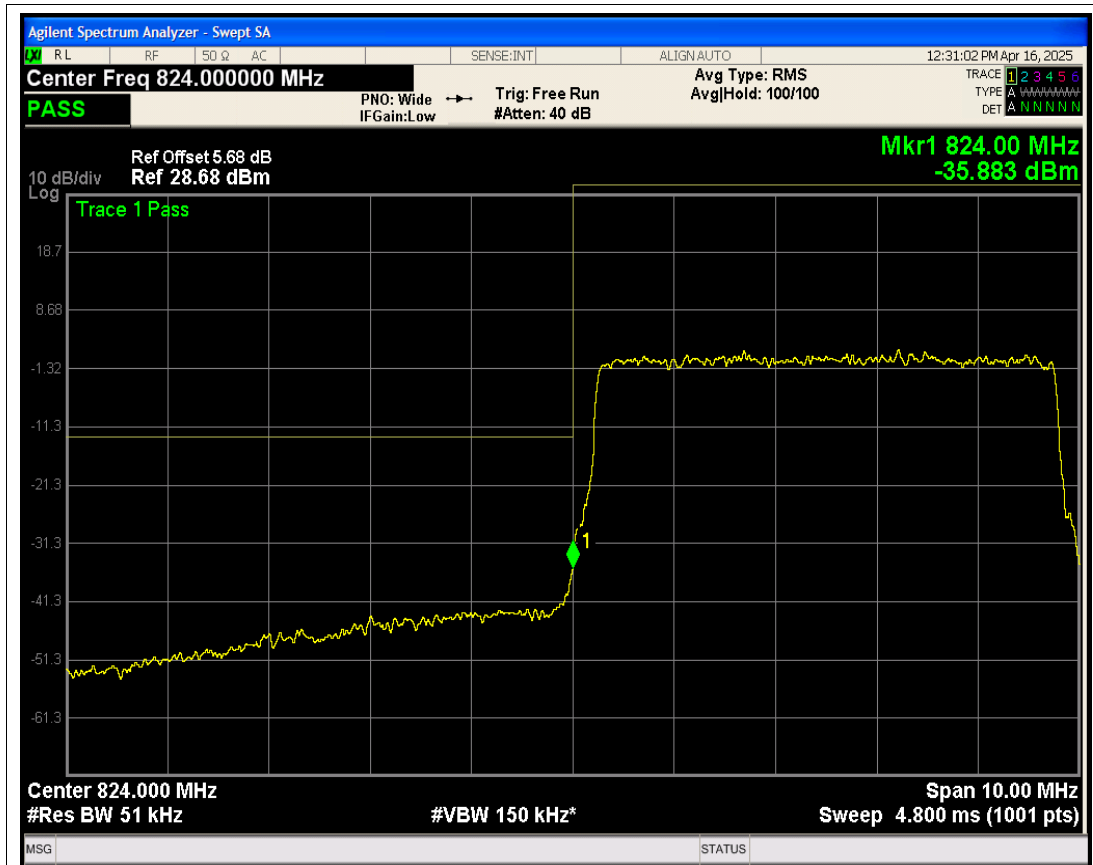


Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



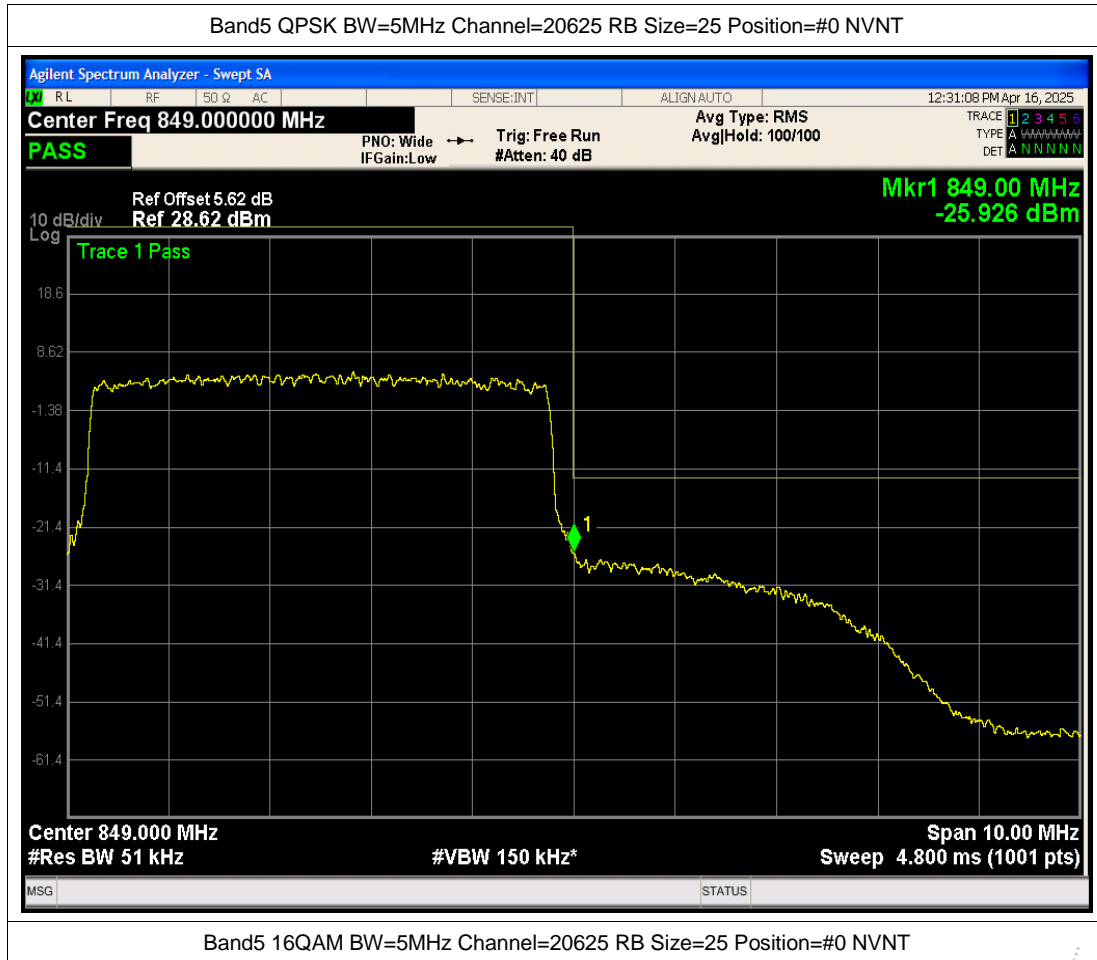


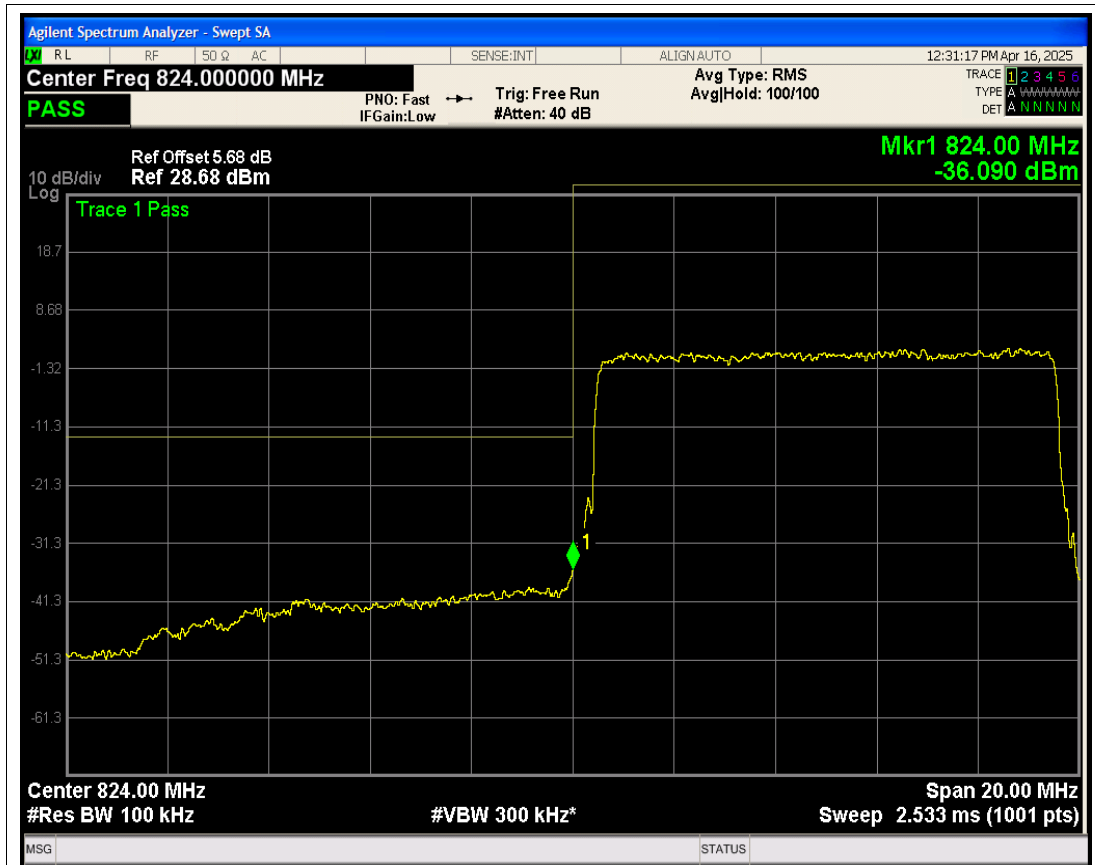




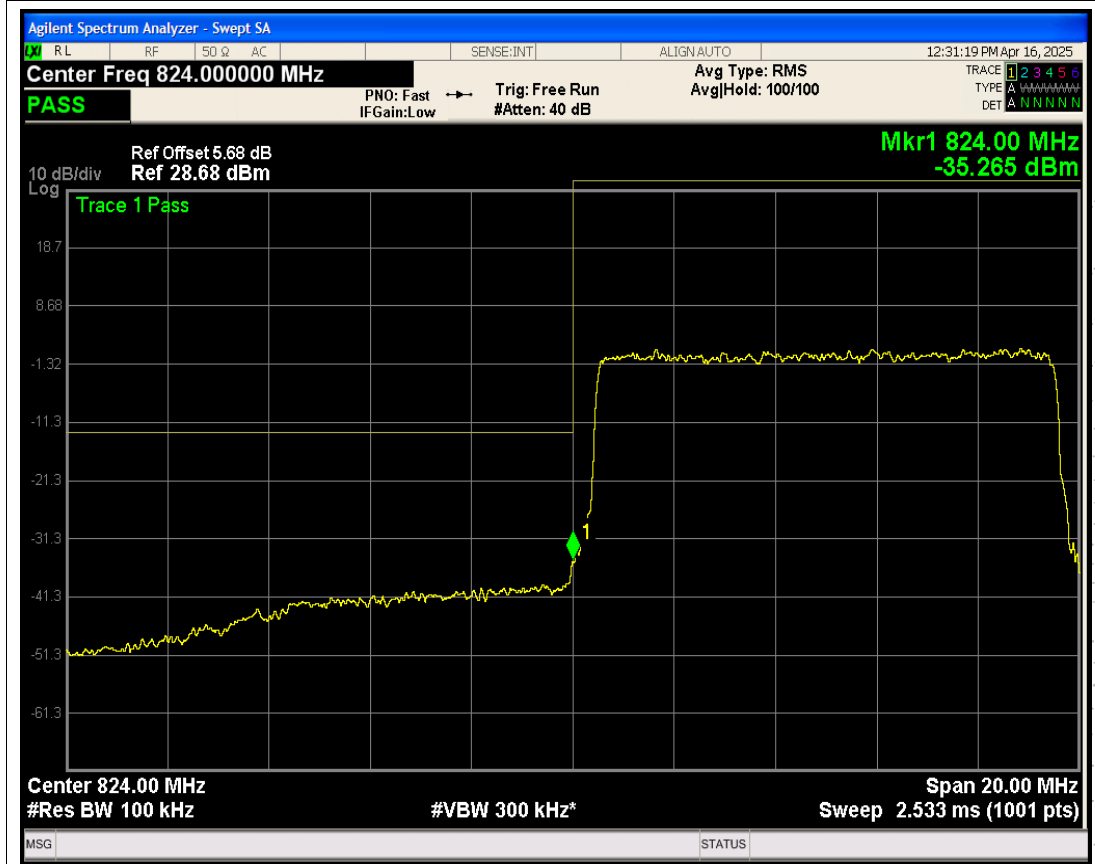
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT

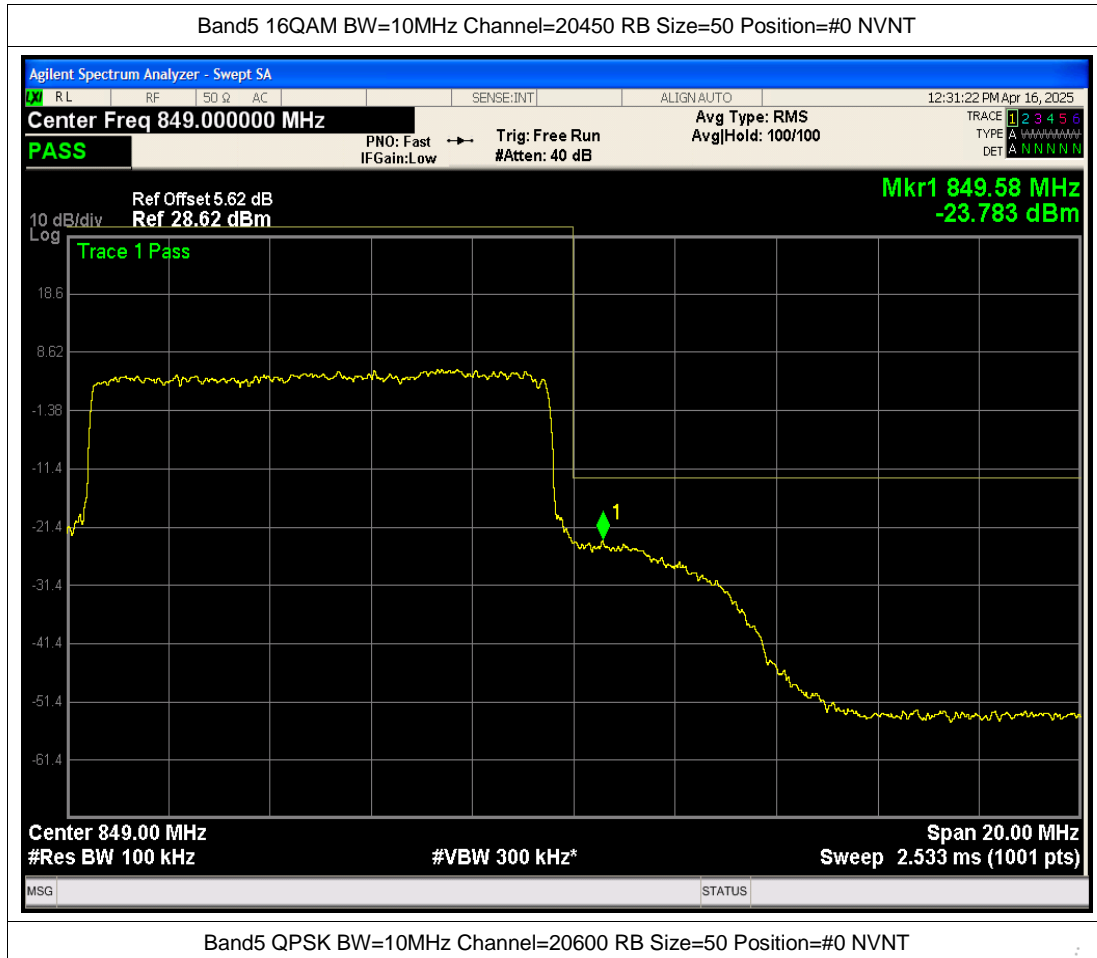


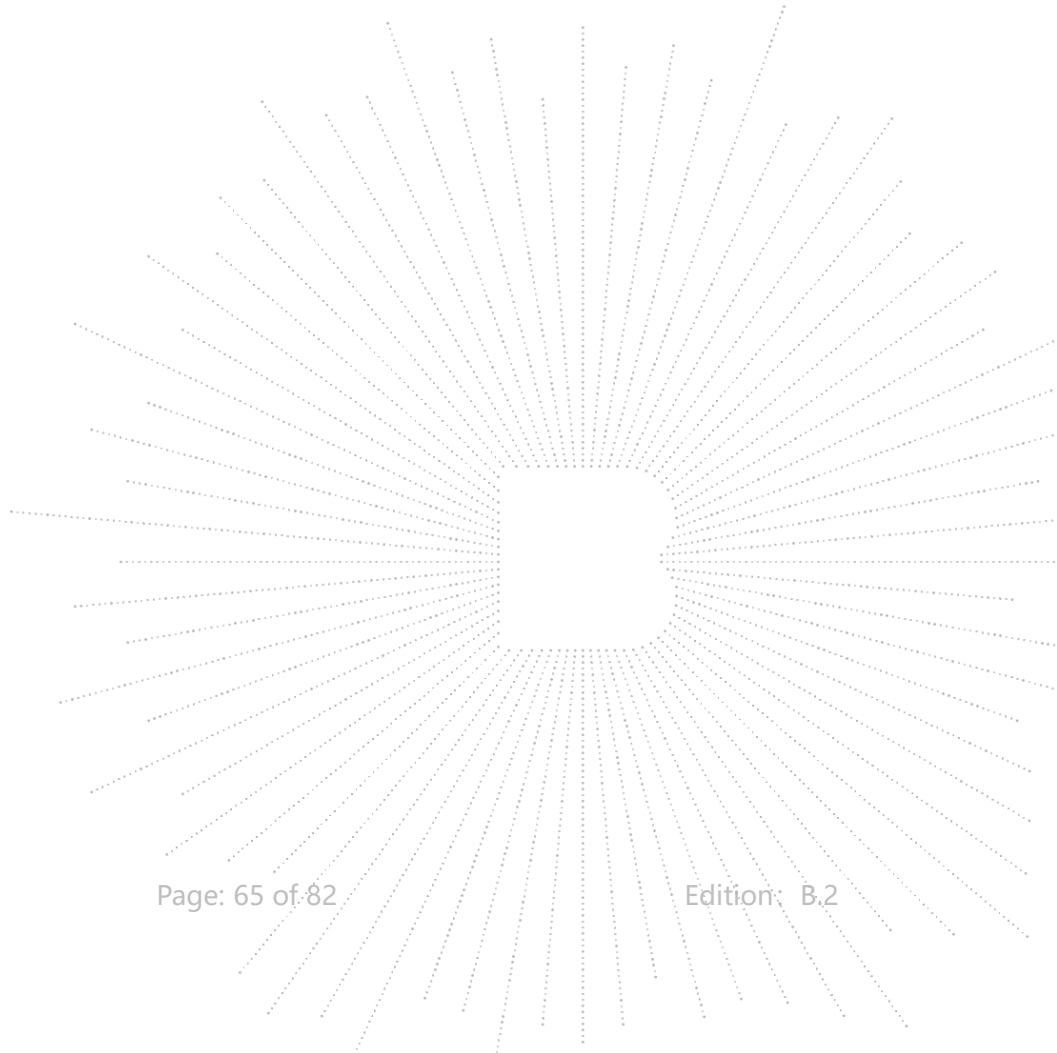
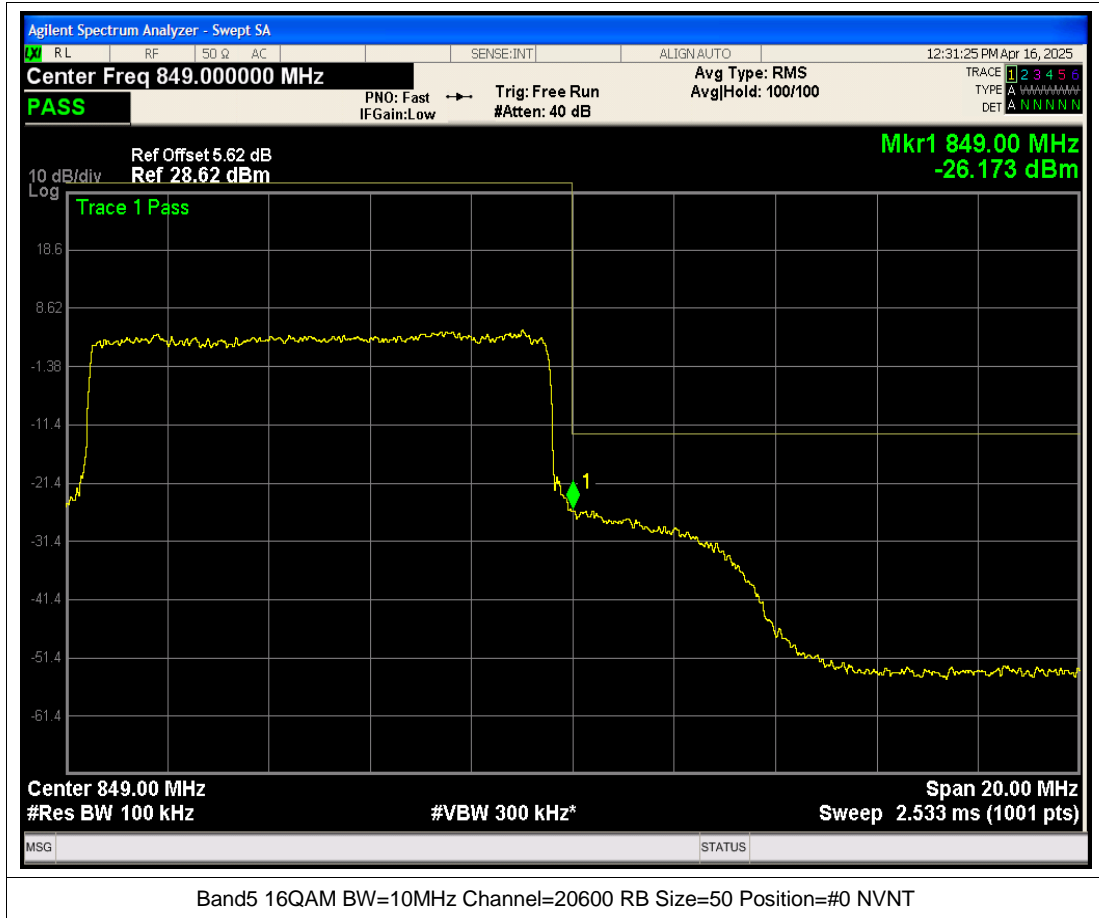




Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT

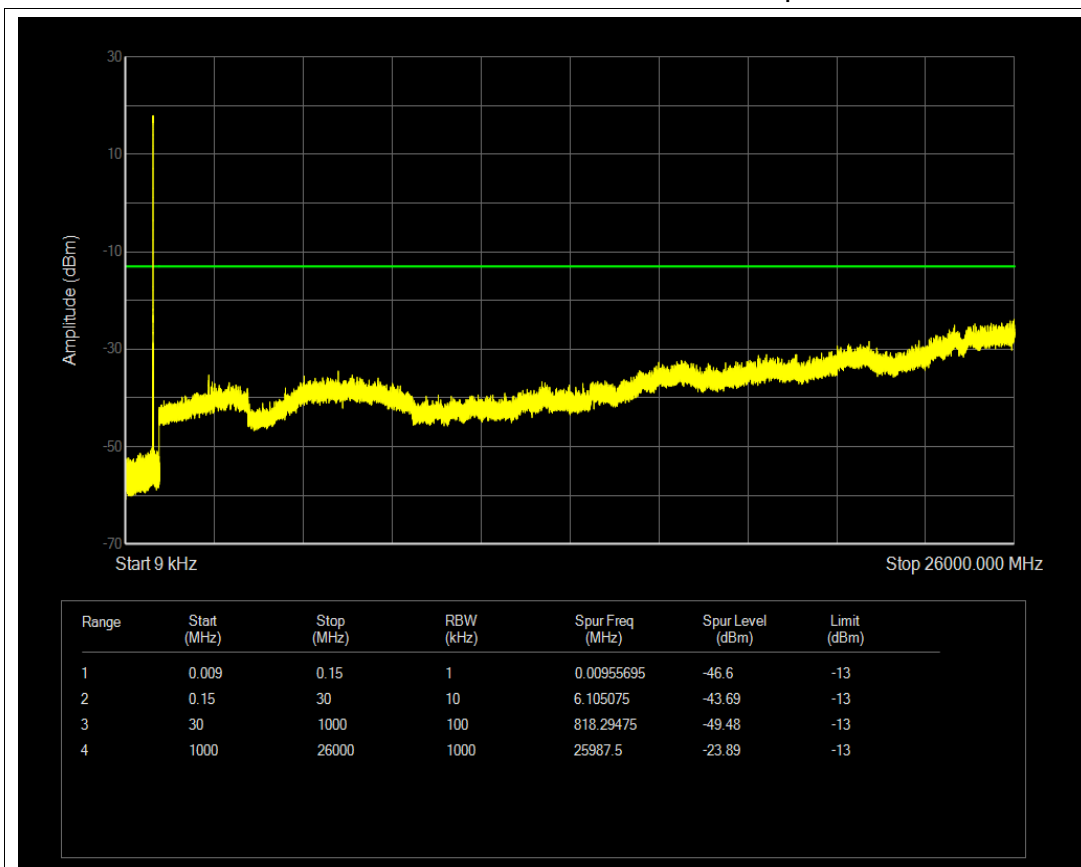




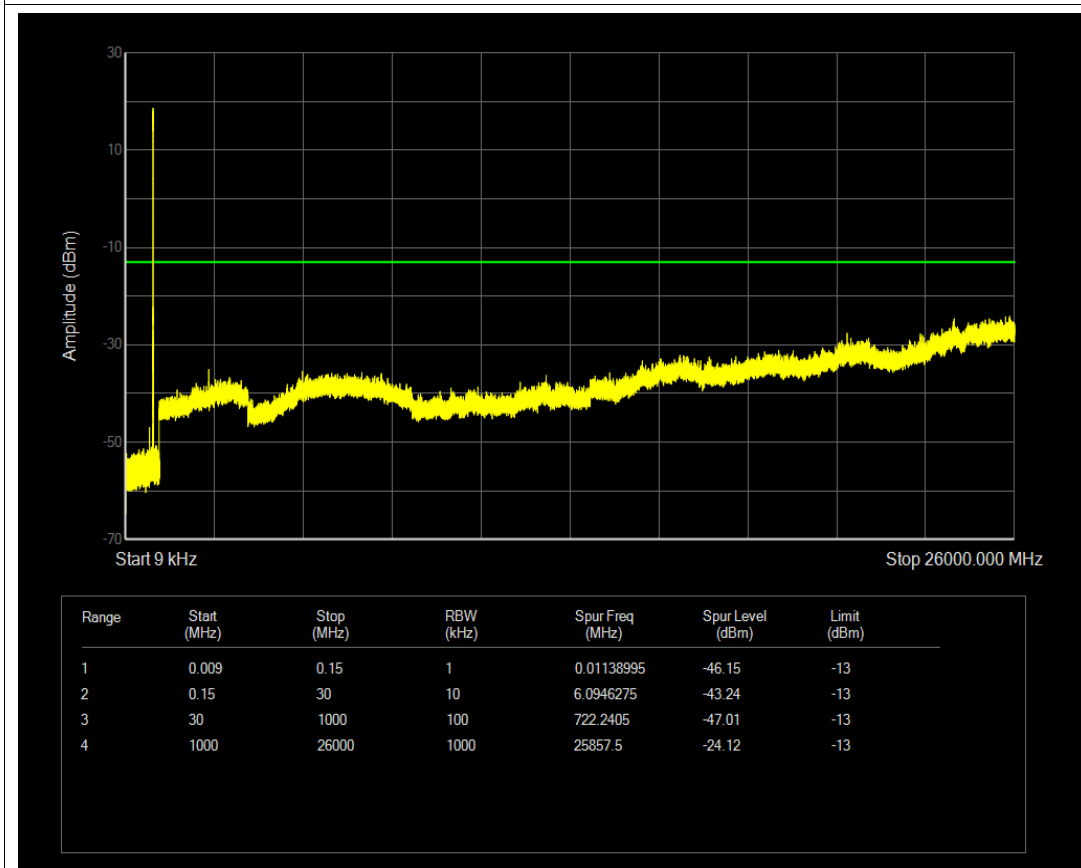


## Appendix 6.Out-of-band emissions

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	25987.50	-23.89	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	25857.50	-24.12	-13	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	25148.75	-23.81	-13	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	24690.63	-24.22	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	25800.00	-24.55	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	25111.88	-23.98	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	25321.25	-23.95	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	25264.38	-24.32	-13	PASS
NVNT	Band5	3	20525	15	#0	QPSK	25878.13	-23.73	-13	PASS
NVNT	Band5	3	20525	15	#0	16QAM	24649.38	-23.98	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	25046.25	-24.27	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	25085.00	-23.50	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	25171.88	-24.86	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	25701.88	-24.13	-13	PASS
NVNT	Band5	5	20525	25	#0	QPSK	25058.13	-24.31	-13	PASS
NVNT	Band5	5	20525	25	#0	16QAM	25977.50	-24.03	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	25431.88	-24.13	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	25578.75	-24.27	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	25773.13	-23.81	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	25775.63	-23.41	-13	PASS
NVNT	Band5	10	20525	50	#0	QPSK	25855.00	-23.83	-13	PASS
NVNT	Band5	10	20525	50	#0	16QAM	25557.50	-23.93	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	25029.38	-23.94	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	25766.88	-23.60	-13	PASS

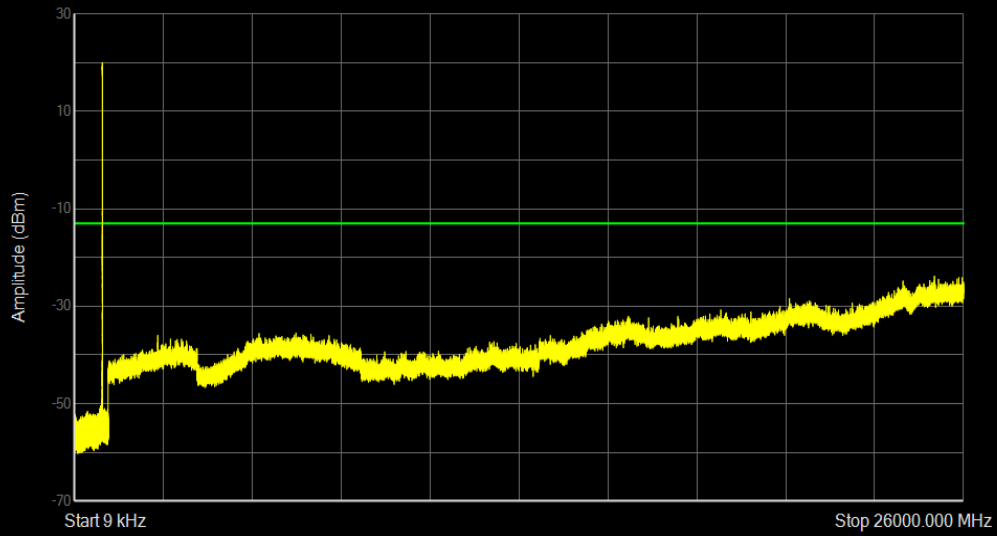


Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



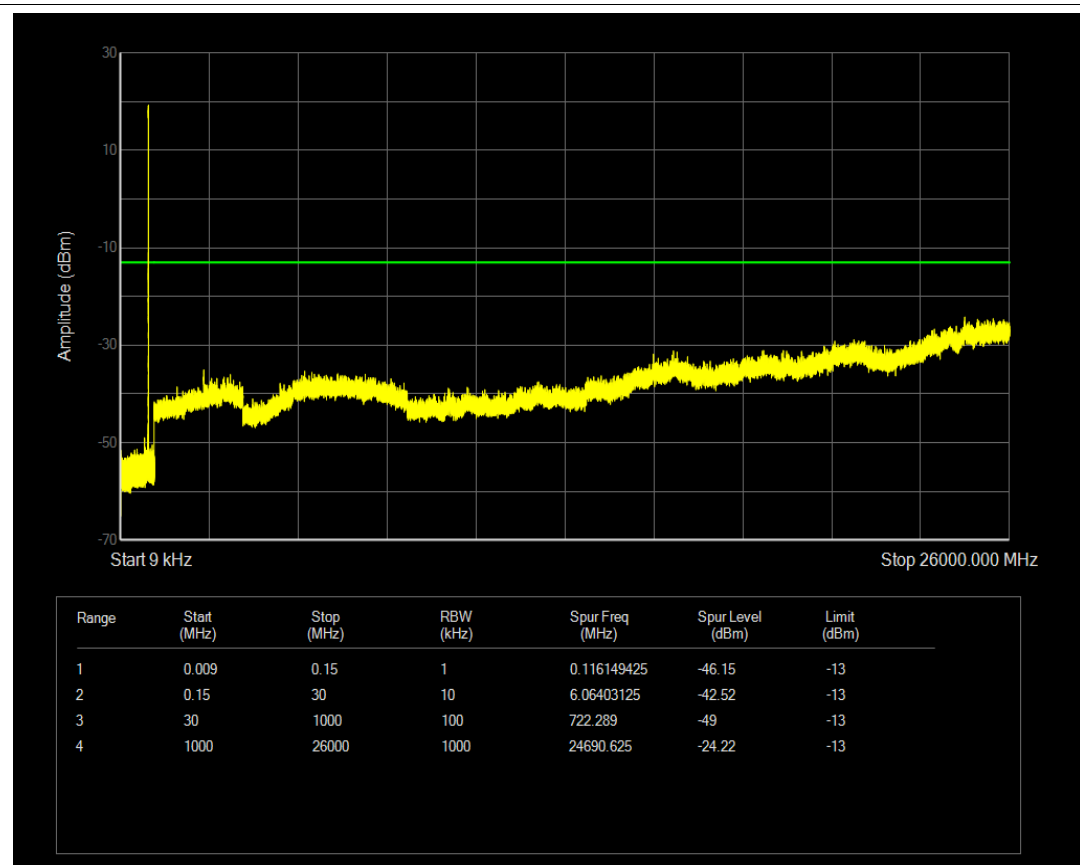


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT

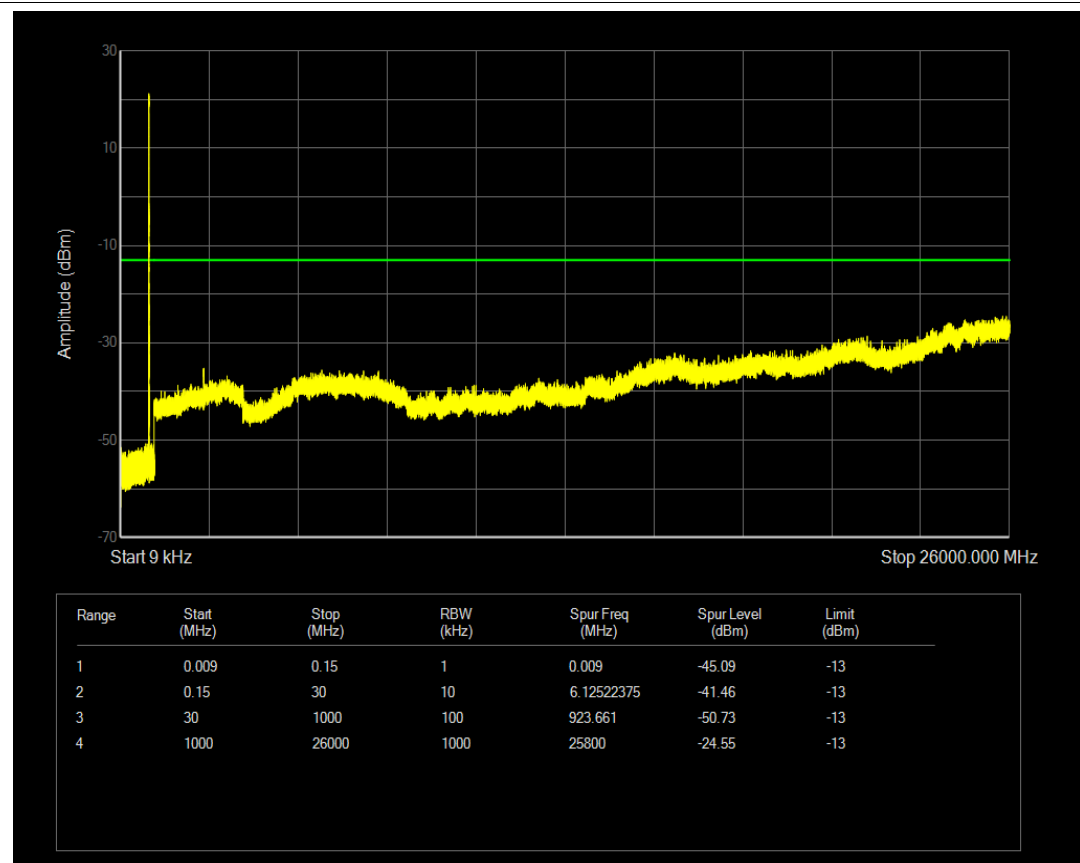


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.79	-13
2	0.15	30	10	6.0737325	-43.67	-13
3	30	1000	100	782.93825	-50.42	-13
4	1000	26000	1000	25148.75	-23.81	-13

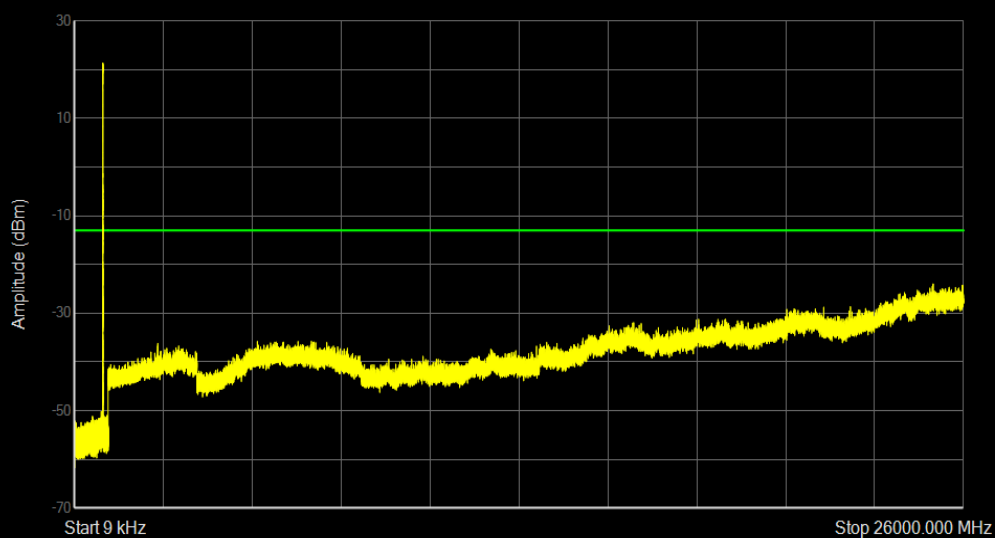
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



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

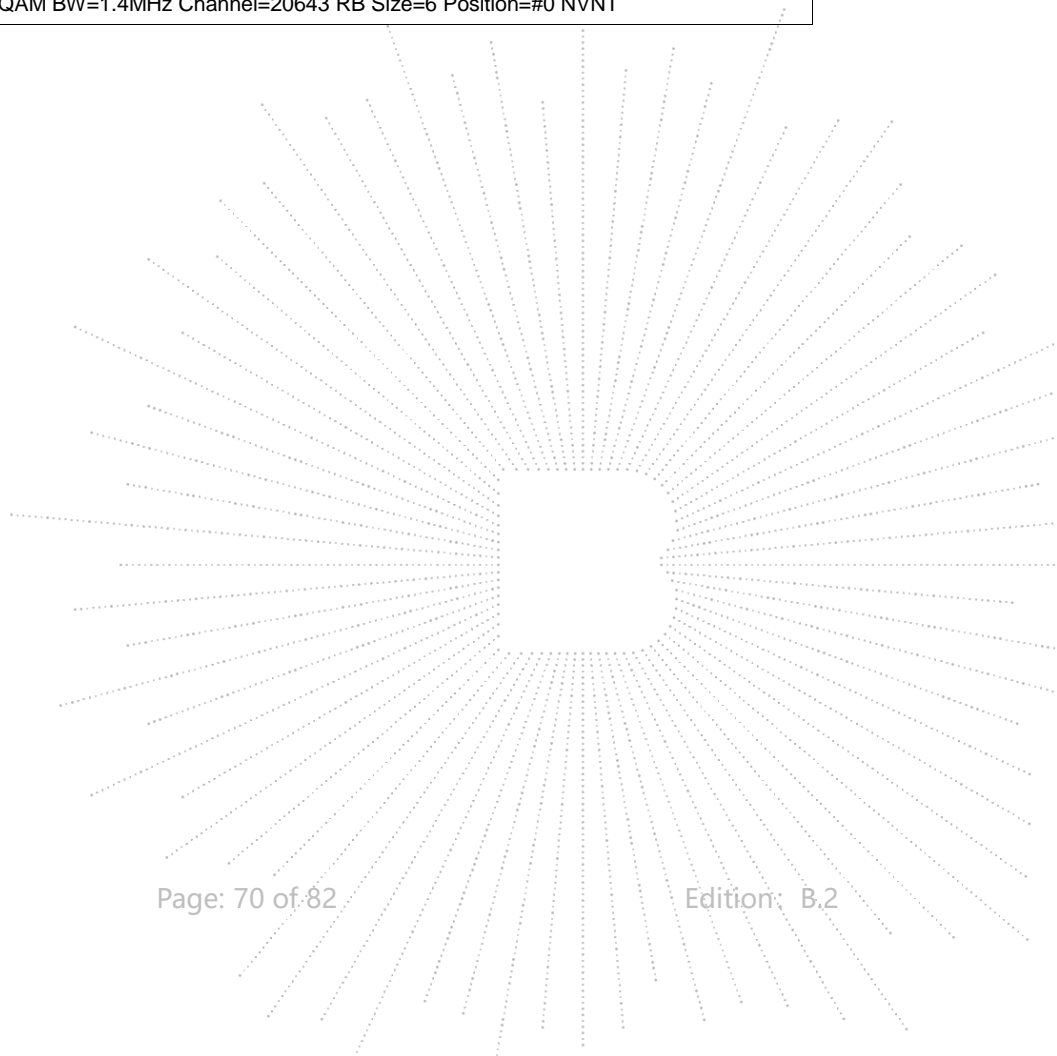


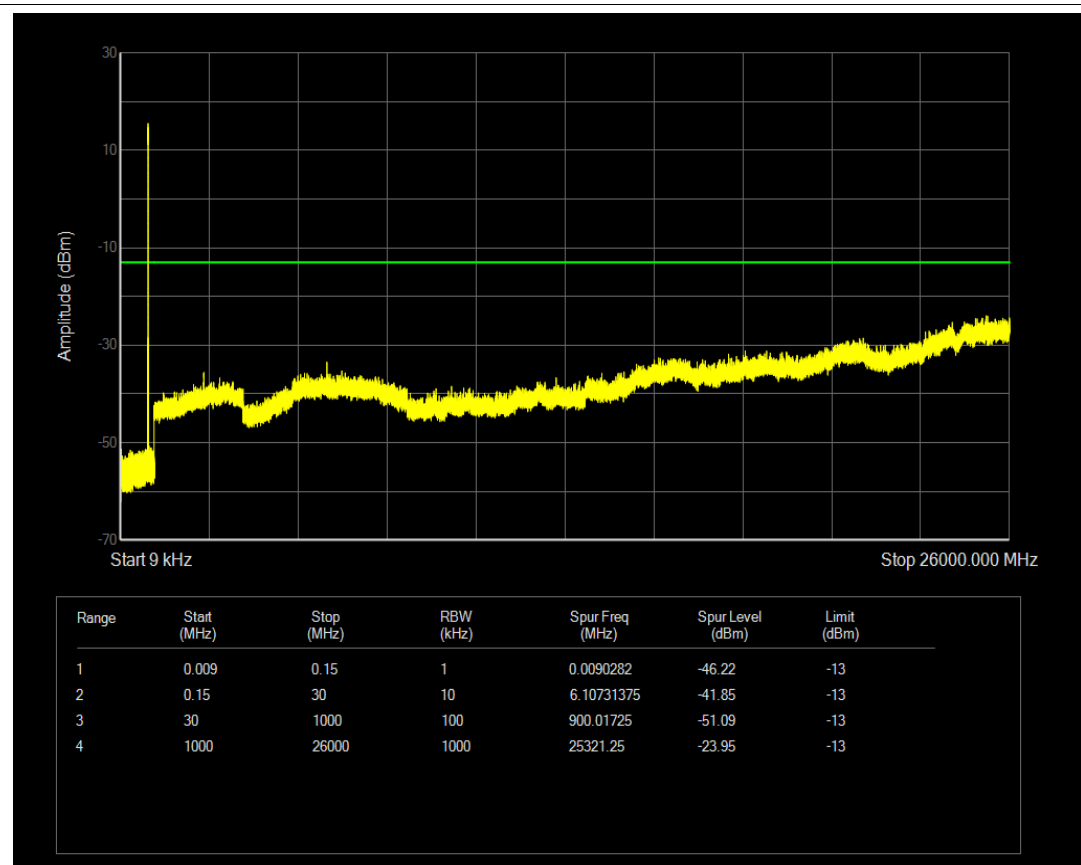
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



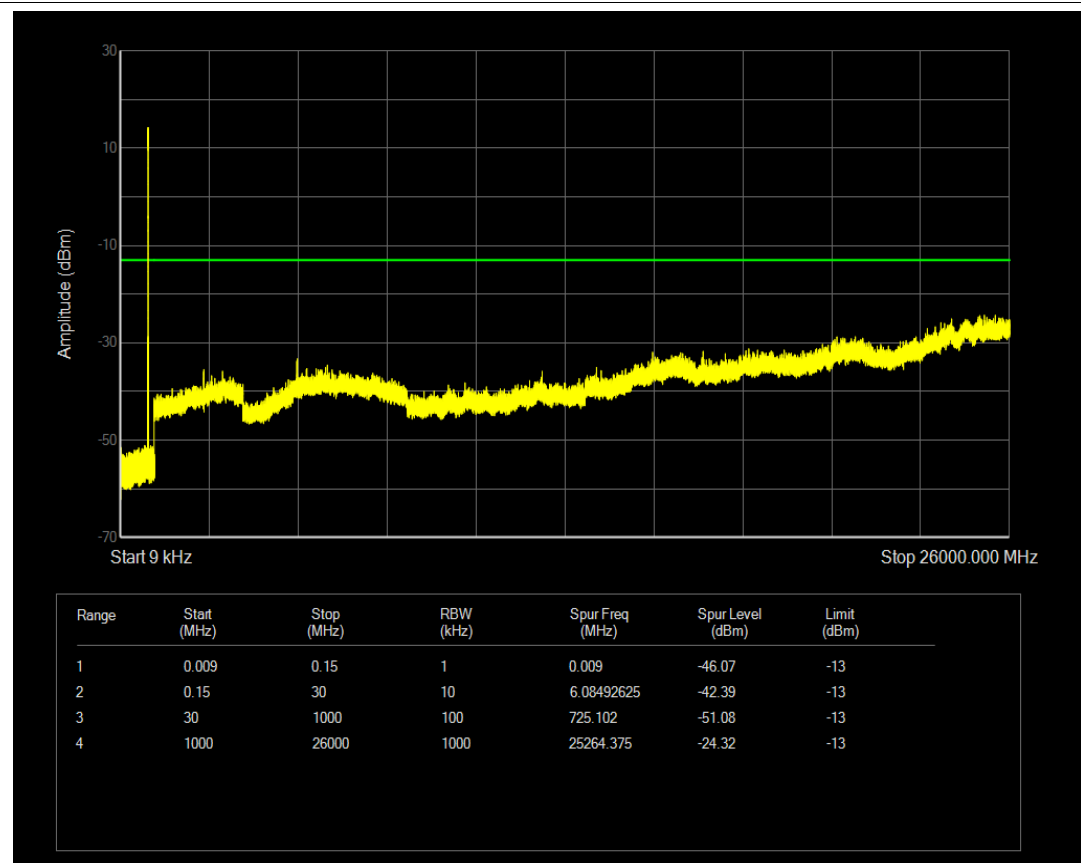
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009532275	-46.23	-13
2	0.15	30	10	6.481185	-42.58	-13
3	30	1000	100	801.538	-50.18	-13
4	1000	26000	1000	25111.875	-23.98	-13

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

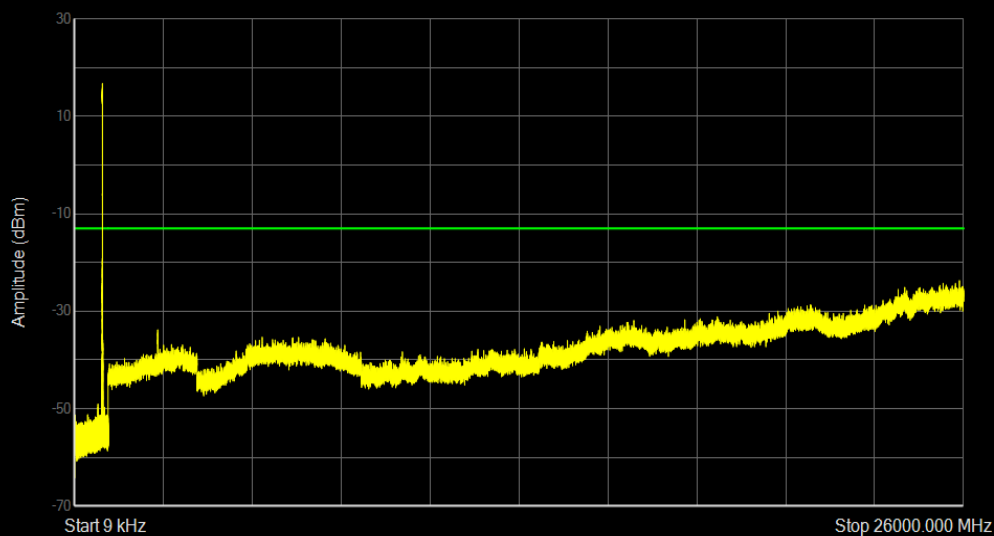




Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT

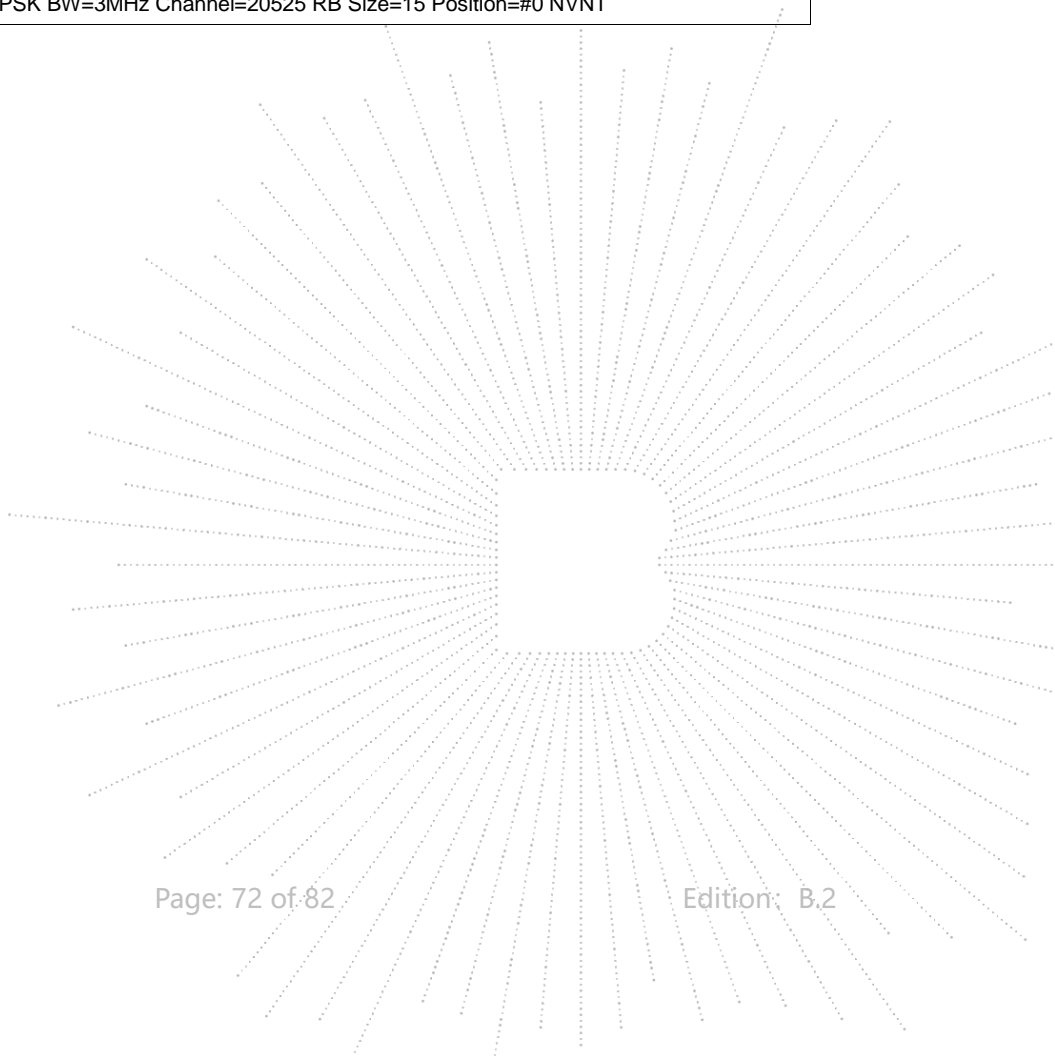


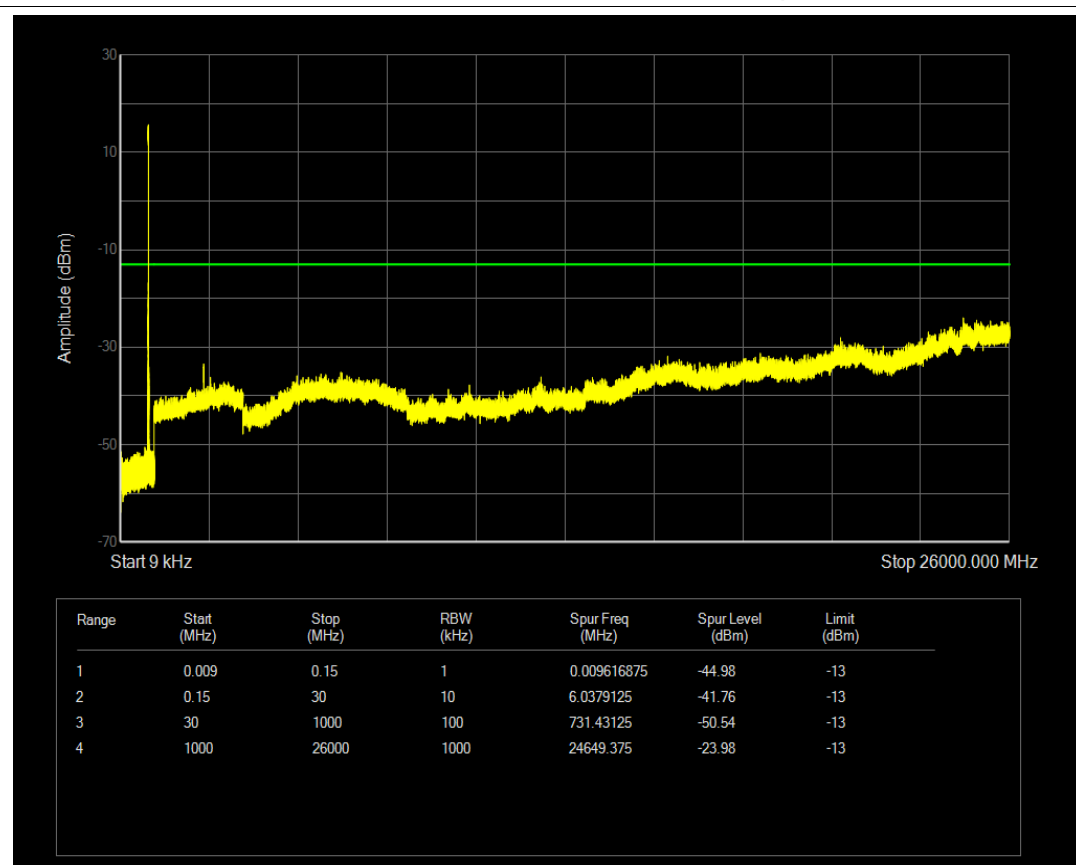
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



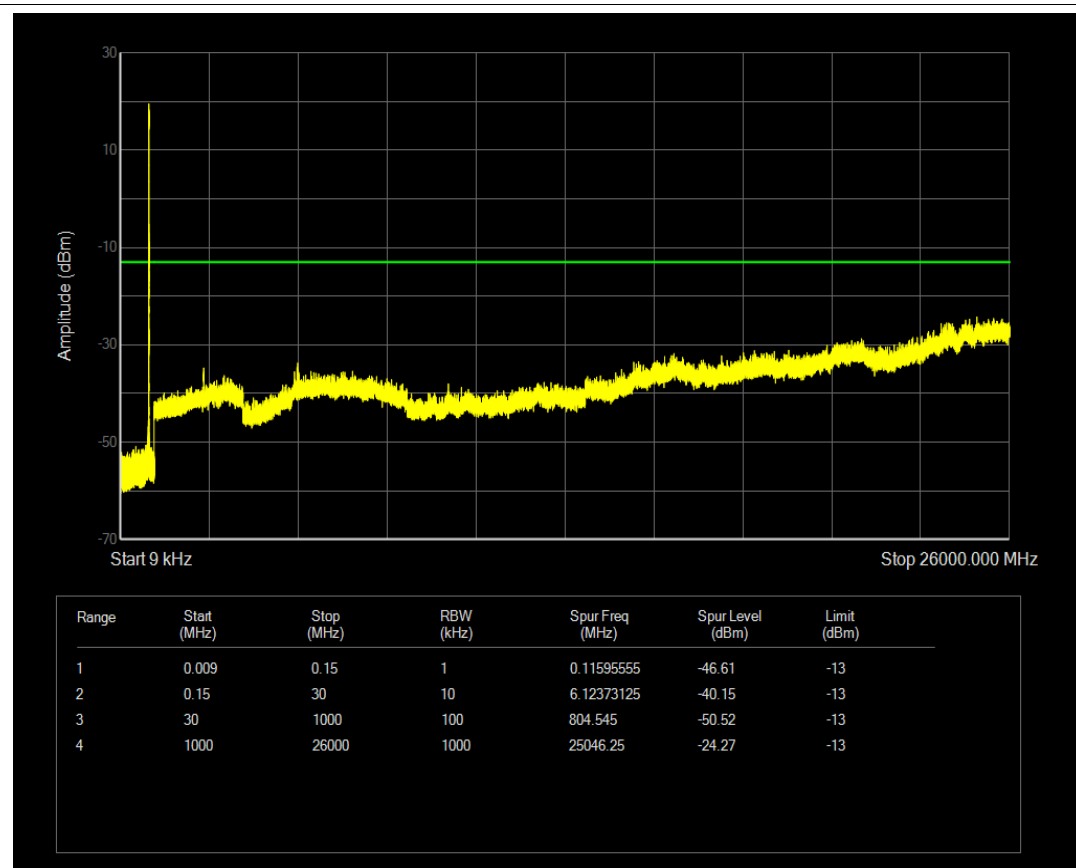
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.32	-13
2	0.15	30	10	6.0289575	-42	-13
3	30	1000	100	705.0715	-49.07	-13
4	1000	26000	1000	25878.125	-23.73	-13

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

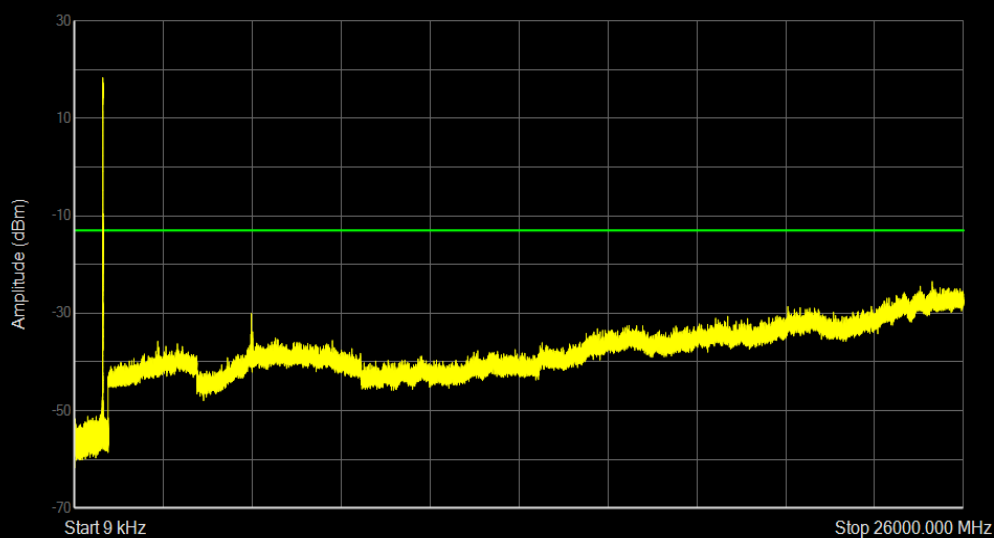




Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT

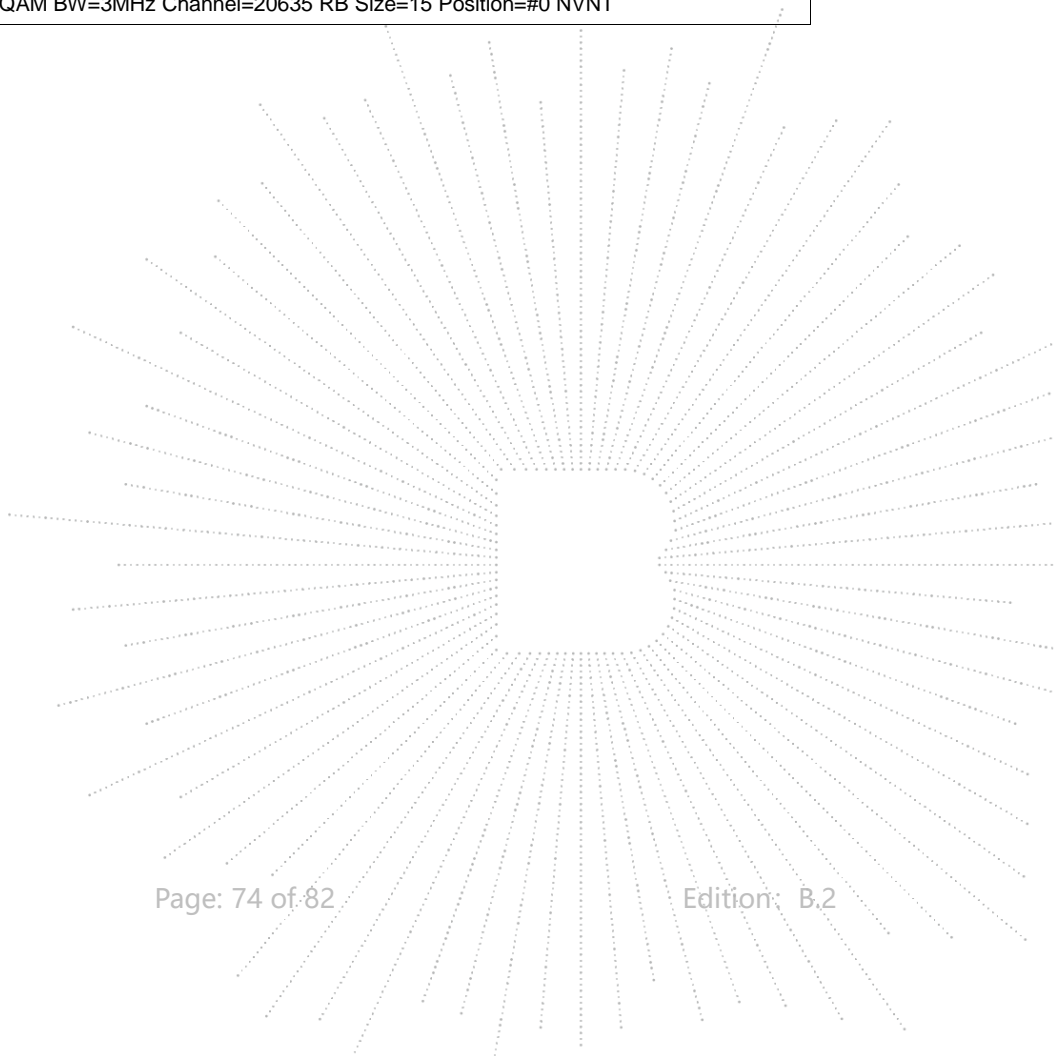


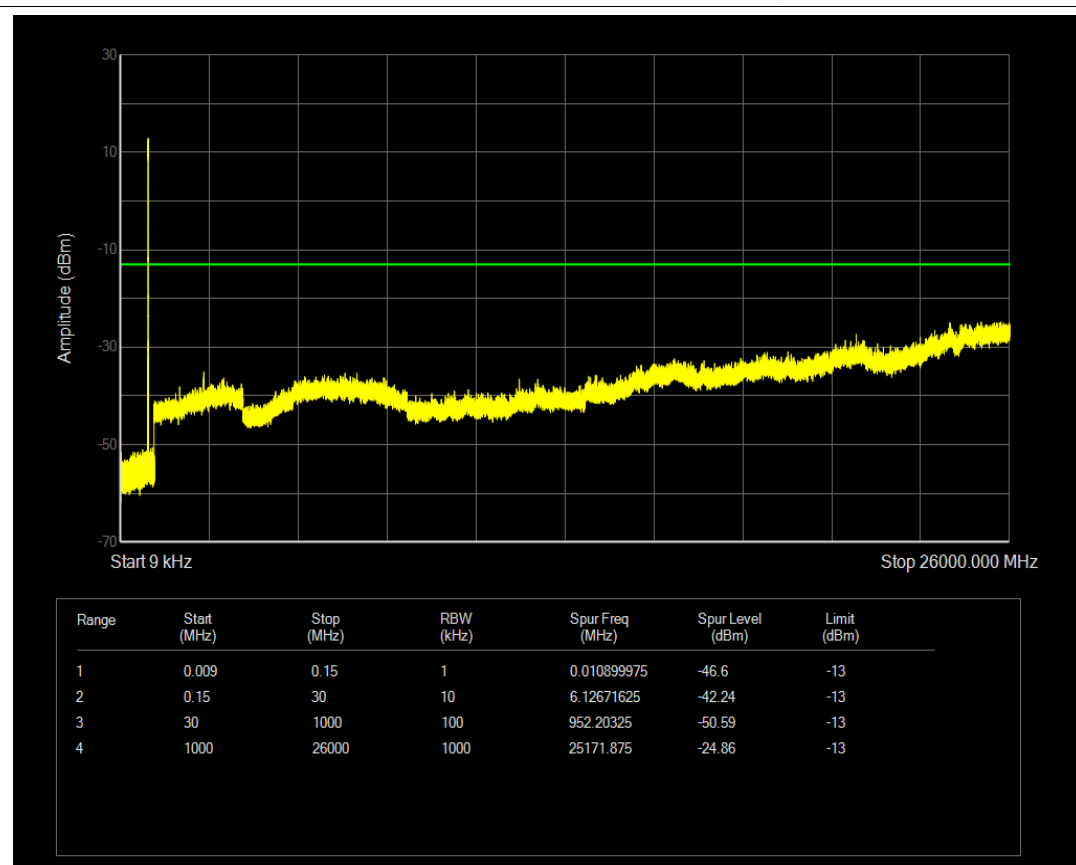
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



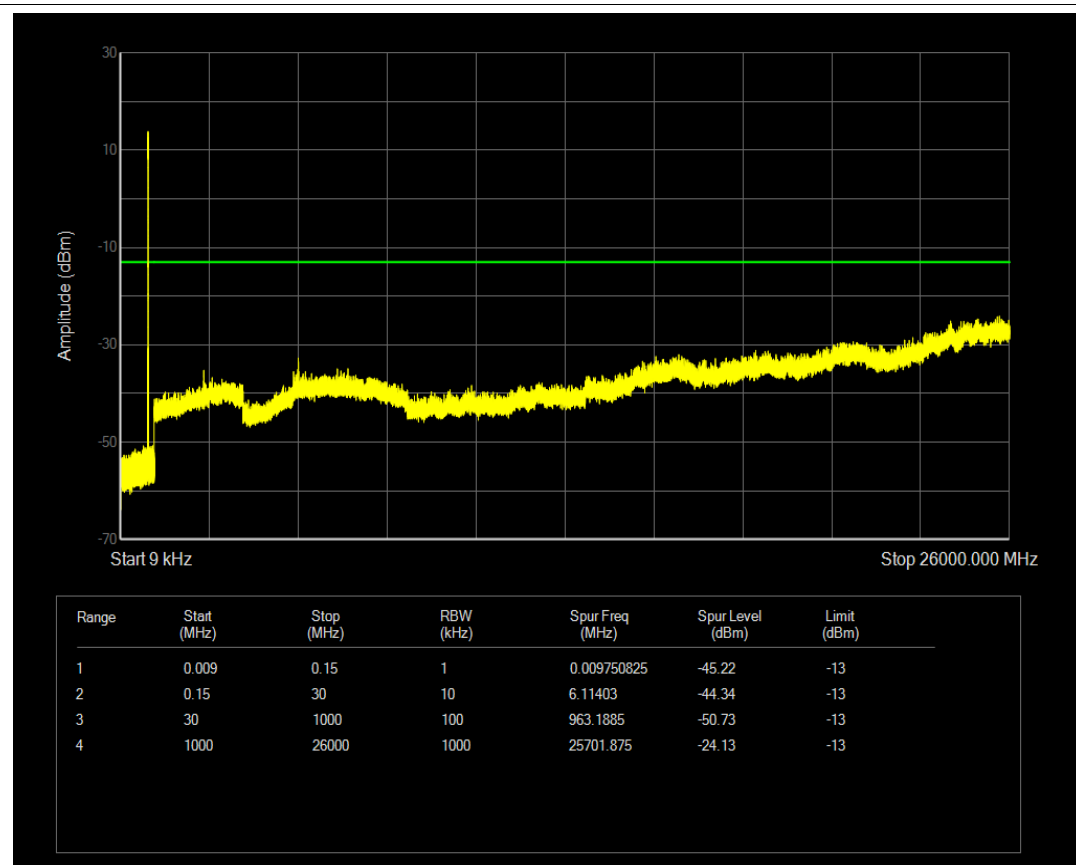
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01037475	-46.37	-13
2	0.15	30	10	6.648345	-41.69	-13
3	30	1000	100	785.89675	-50.82	-13
4	1000	26000	1000	25085	-23.5	-13

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



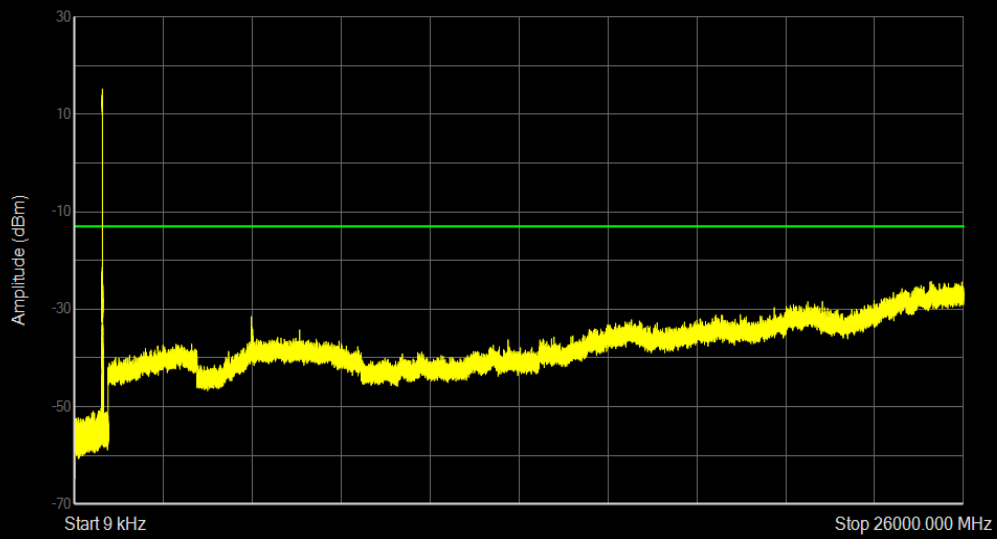


Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



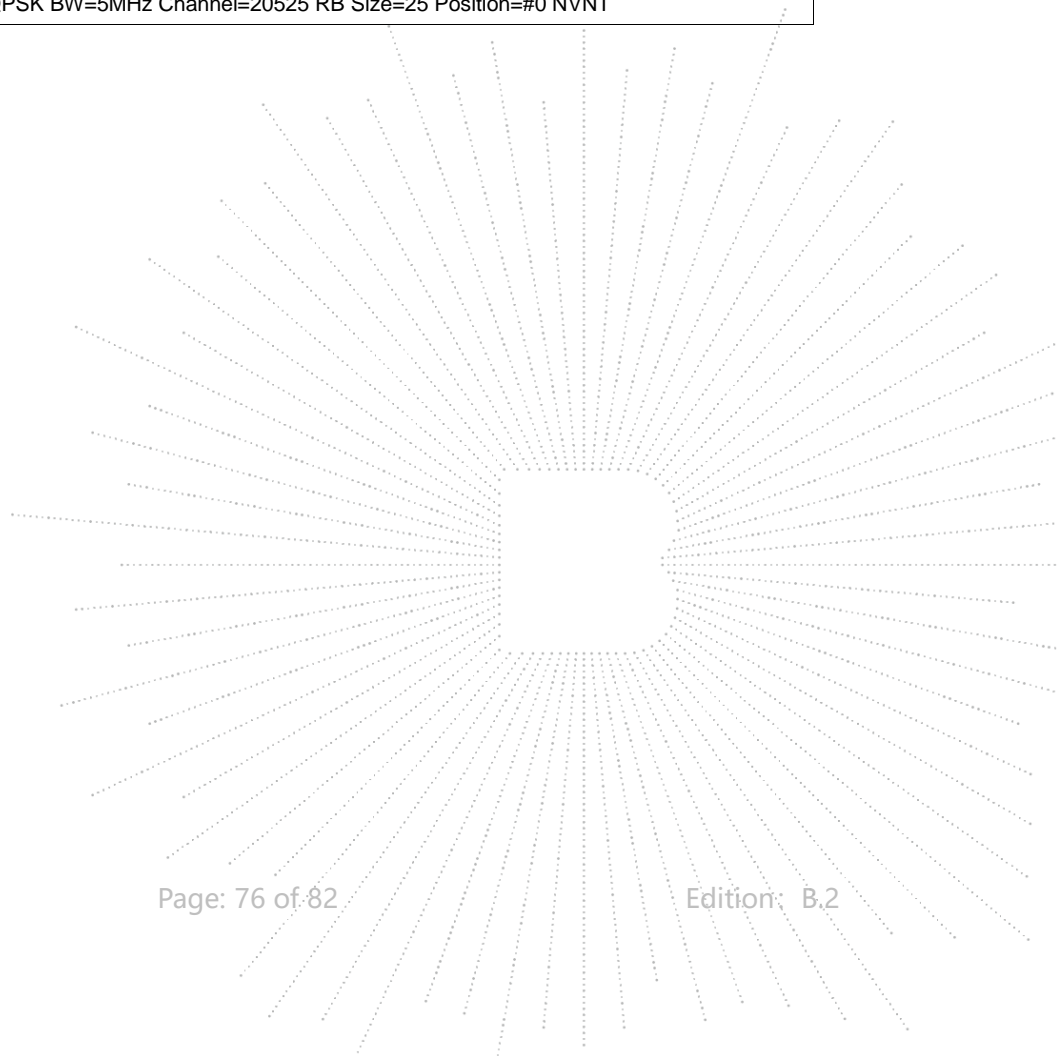


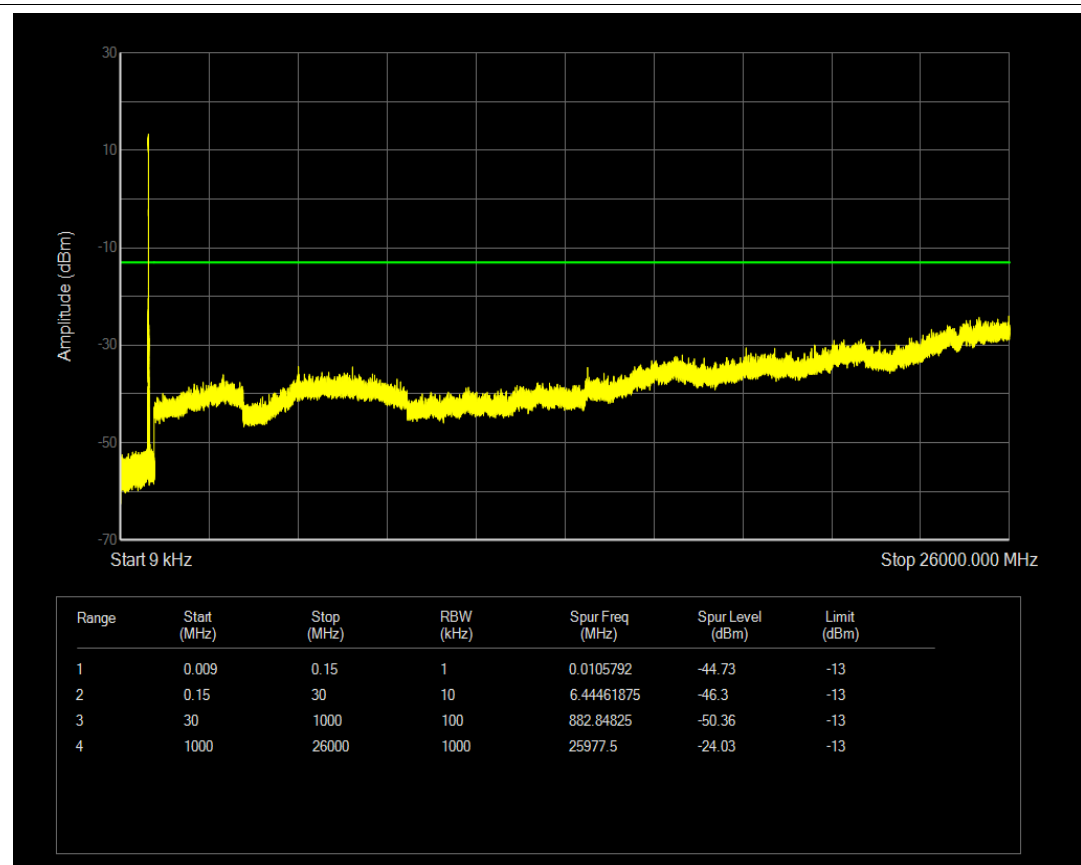
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



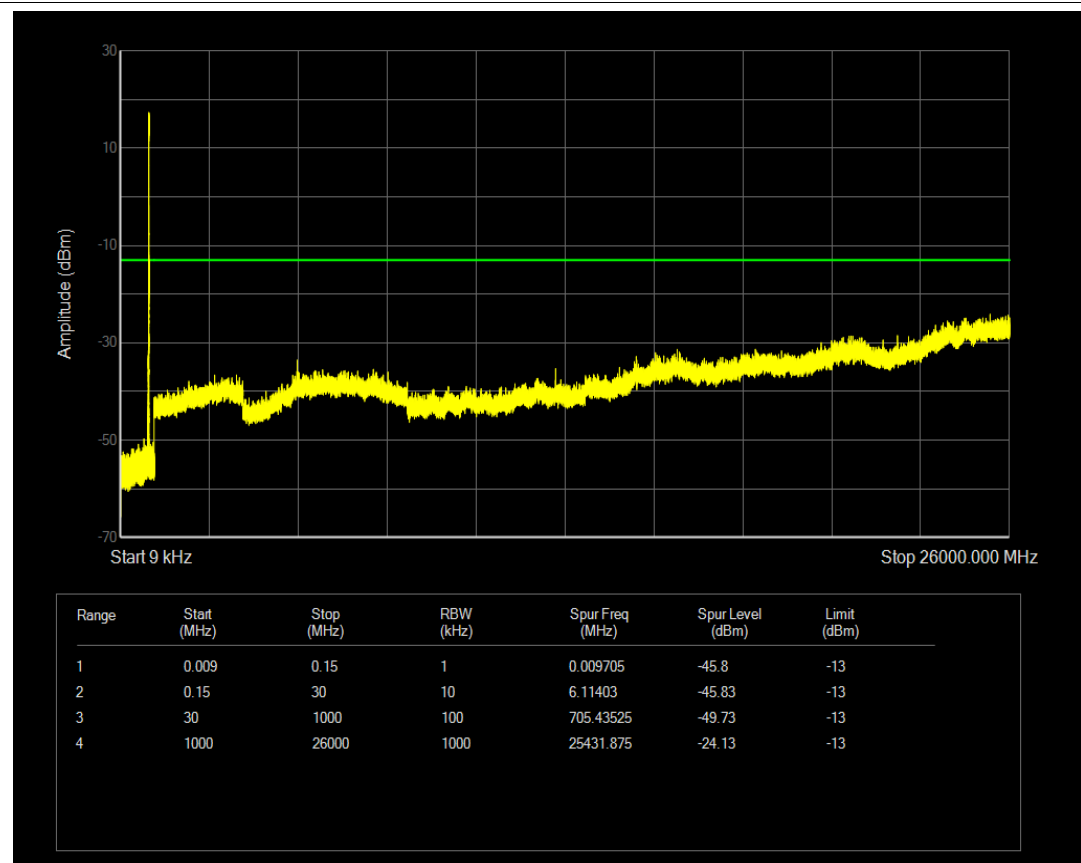
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010018725	-46.08	-13
2	0.15	30	10	6.10283625	-45.42	-13
3	30	1000	100	802.411	-50.32	-13
4	1000	26000	1000	25058.125	-24.31	-13

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

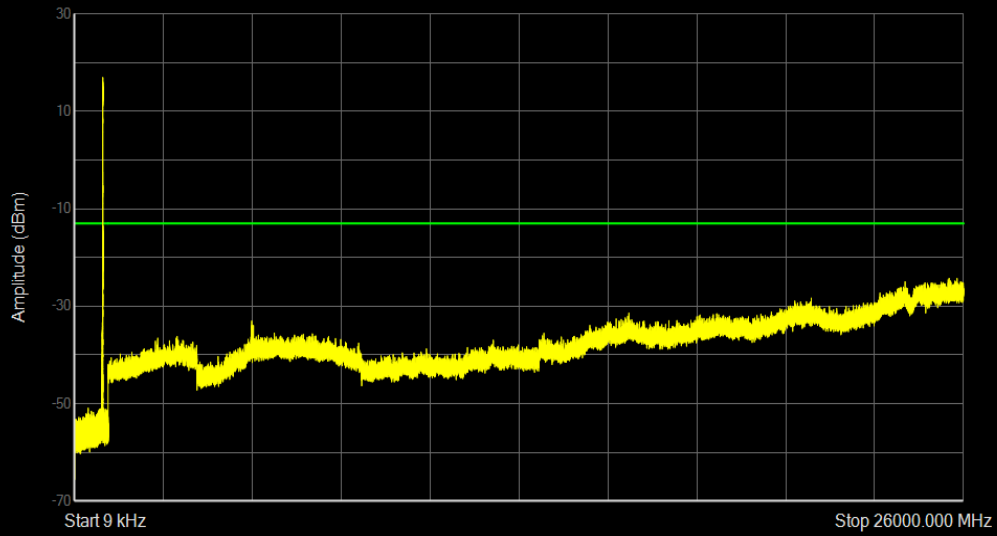




Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT

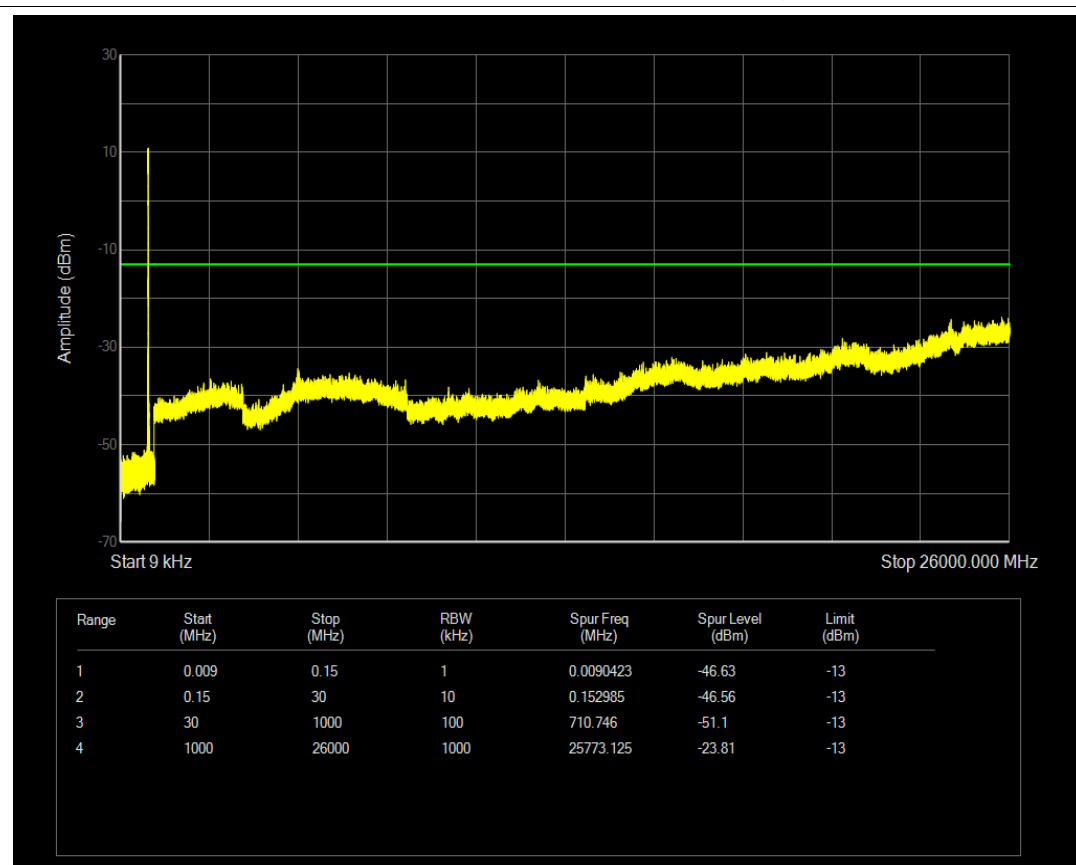


Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT

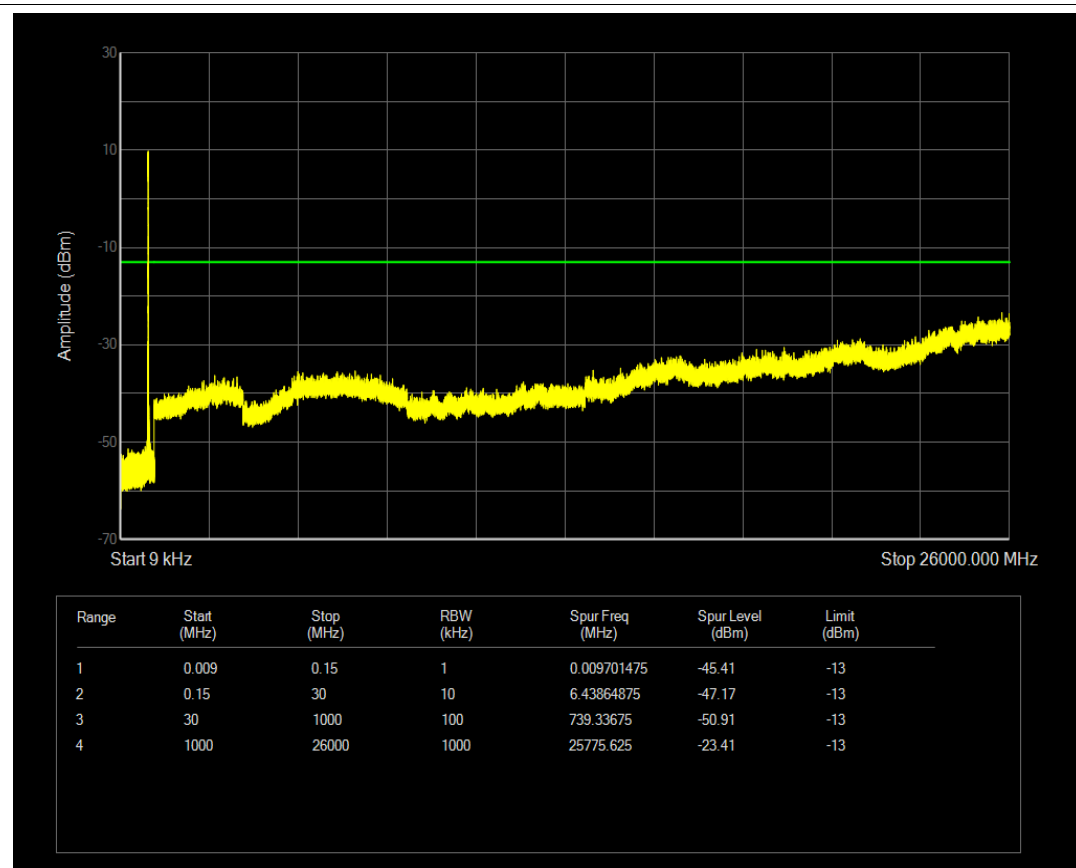


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009141	-44.83	-13
2	0.15	30	10	6.46029	-46.9	-13
3	30	1000	100	420.06125	-50.92	-13
4	1000	26000	1000	25578.75	-24.27	-13

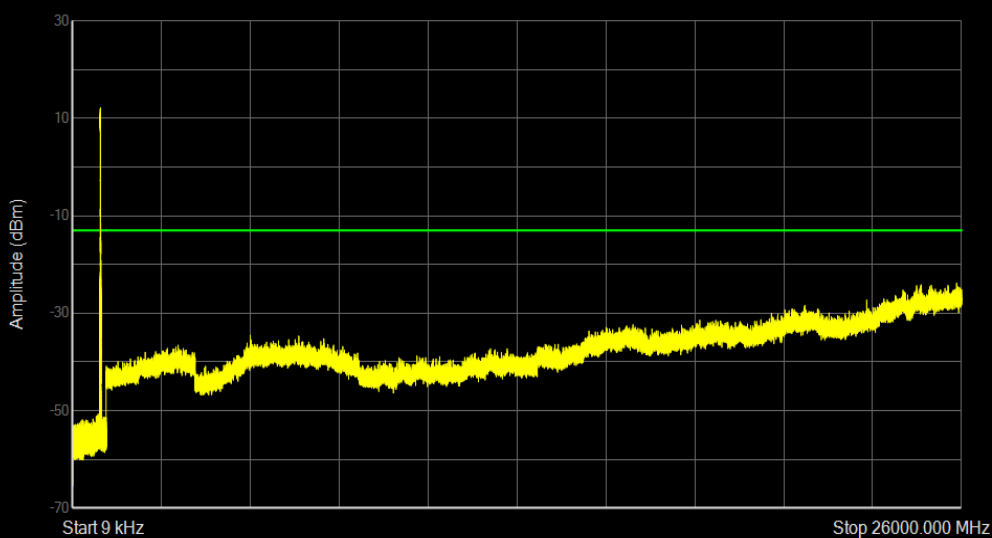
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



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

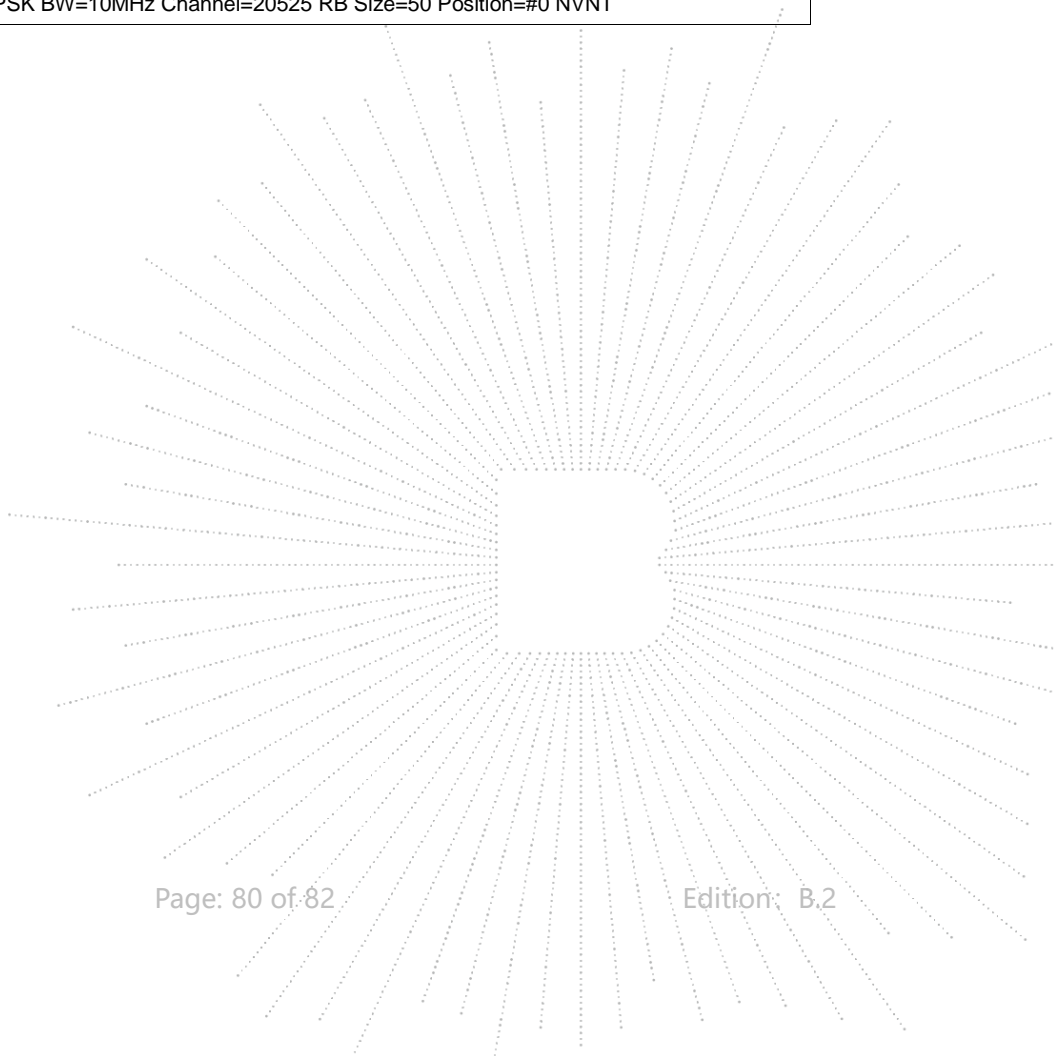


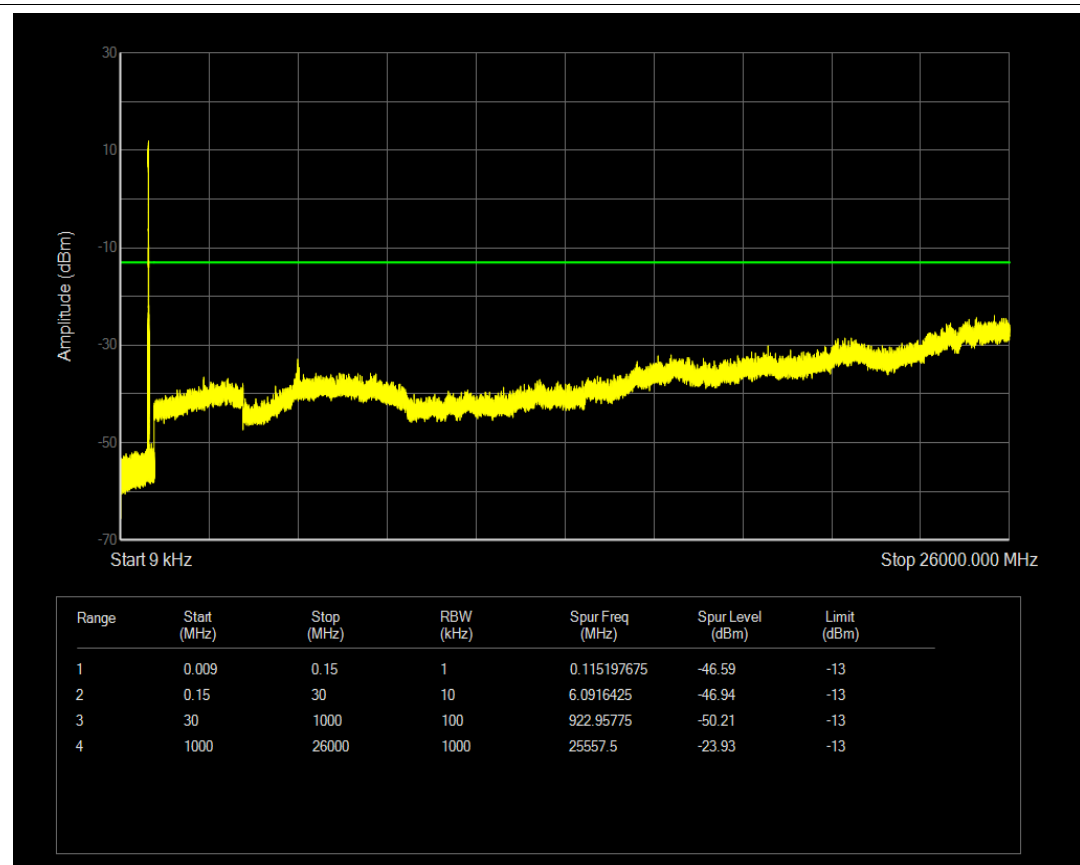
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



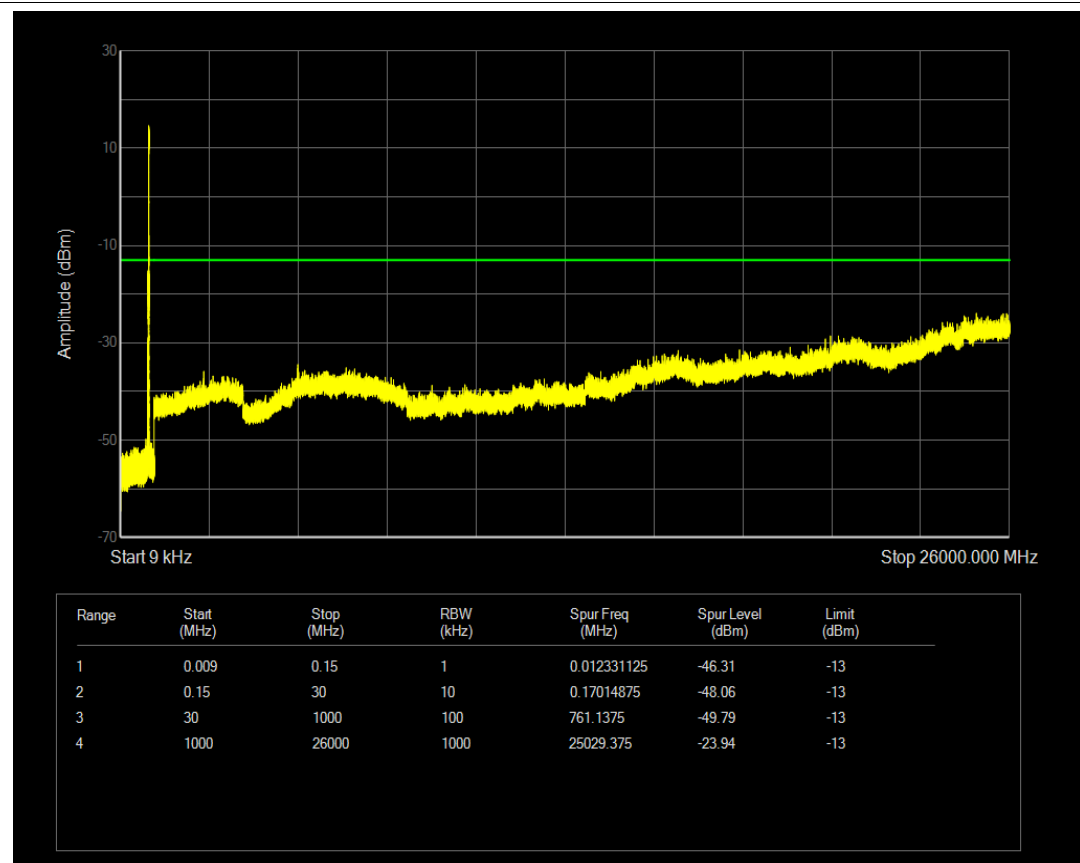
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-44.61	-13
2	0.15	30	10	6.087165	-47.83	-13
3	30	1000	100	768.33975	-50.72	-13
4	1000	26000	1000	25855	-23.83	-13

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

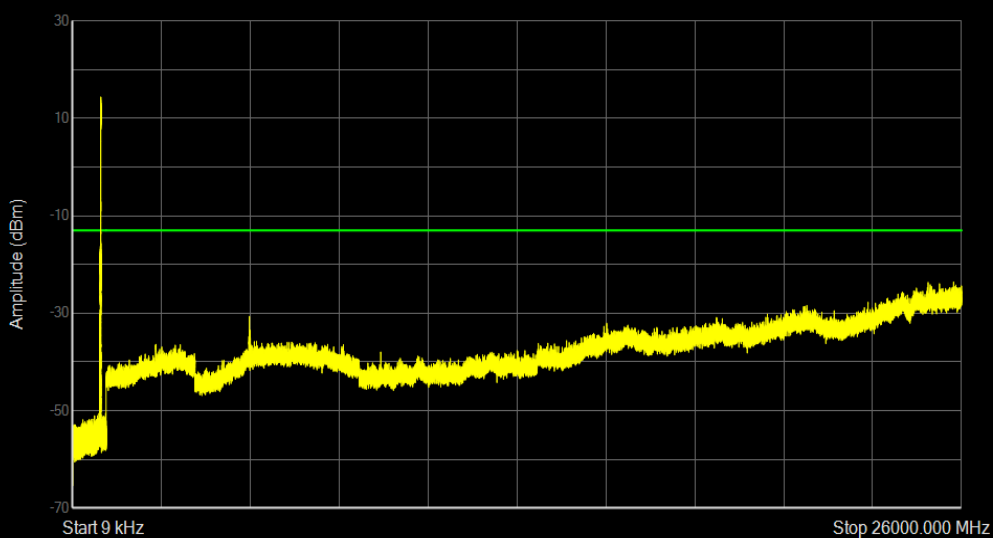




Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



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	0.010145625	-46.49	-13
2	0.15	30	10	6.39685875	-48.71	-13
3	30	1000	100	990.13025	-50.53	-13
4	1000	26000	1000	25766.875	-23.6	-13

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

