

Contents

Appendix 1. Effective Radiated Power and Effective Isotropic Radiated Power Measurement.....2

Appendix 2. Frequency stability6

Appendix 3. Peak-to-Average Ratio19

Appendix 4. Occupied bandwidth33

Appendix 5. Band edge47

Appendix 6. Out-of-band emissions57

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	24.46	-1.75	20.56	PASS
NVNT	Band5	1.4	20407	1	#Mid	QPSK	24.43	-1.75	20.53	PASS
NVNT	Band5	1.4	20407	1	#Max	QPSK	24.46	-1.75	20.56	PASS
NVNT	Band5	1.4	20407	3	#0	QPSK	24.41	-1.75	20.51	PASS
NVNT	Band5	1.4	20407	3	#Mid	QPSK	24.39	-1.75	20.49	PASS
NVNT	Band5	1.4	20407	3	#Max	QPSK	24.36	-1.75	20.46	PASS
NVNT	Band5	1.4	20407	6	#0	QPSK	23.38	-1.75	19.48	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	23.57	-1.75	19.67	PASS
NVNT	Band5	1.4	20407	1	#Mid	16QAM	23.46	-1.75	19.56	PASS
NVNT	Band5	1.4	20407	1	#Max	16QAM	23.50	-1.75	19.60	PASS
NVNT	Band5	1.4	20407	3	#0	16QAM	23.66	-1.75	19.76	PASS
NVNT	Band5	1.4	20407	3	#Mid	16QAM	23.72	-1.75	19.82	PASS
NVNT	Band5	1.4	20407	3	#Max	16QAM	23.71	-1.75	19.81	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	22.90	-1.75	19.00	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	24.28	-1.75	20.38	PASS
NVNT	Band5	1.4	20525	1	#Mid	QPSK	24.36	-1.75	20.46	PASS
NVNT	Band5	1.4	20525	1	#Max	QPSK	24.22	-1.75	20.32	PASS
NVNT	Band5	1.4	20525	3	#0	QPSK	24.32	-1.75	20.42	PASS
NVNT	Band5	1.4	20525	3	#Mid	QPSK	24.37	-1.75	20.47	PASS
NVNT	Band5	1.4	20525	3	#Max	QPSK	24.37	-1.75	20.47	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	23.20	-1.75	19.30	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	22.86	-1.75	18.96	PASS
NVNT	Band5	1.4	20525	1	#Mid	16QAM	22.91	-1.75	19.01	PASS
NVNT	Band5	1.4	20525	1	#Max	16QAM	22.96	-1.75	19.06	PASS
NVNT	Band5	1.4	20525	3	#0	16QAM	23.31	-1.75	19.41	PASS
NVNT	Band5	1.4	20525	3	#Mid	16QAM	23.29	-1.75	19.39	PASS
NVNT	Band5	1.4	20525	3	#Max	16QAM	23.27	-1.75	19.37	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	22.19	-1.75	18.29	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	24.06	-1.75	20.16	PASS
NVNT	Band5	1.4	20643	1	#Mid	QPSK	24.26	-1.75	20.36	PASS
NVNT	Band5	1.4	20643	1	#Max	QPSK	24.18	-1.75	20.28	PASS
NVNT	Band5	1.4	20643	3	#0	QPSK	23.96	-1.75	20.06	PASS
NVNT	Band5	1.4	20643	3	#Mid	QPSK	24.14	-1.75	20.24	PASS
NVNT	Band5	1.4	20643	3	#Max	QPSK	24.13	-1.75	20.23	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	23.01	-1.75	19.11	PASS
NVNT	Band5	1.4	20643	1	#0	16QAM	23.58	-1.75	19.68	PASS
NVNT	Band5	1.4	20643	1	#Mid	16QAM	22.88	-1.75	18.98	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

NVNT	Band5	1.4	20643	1	#Max	16QAM	22.95	-1.75	19.05	PASS
NVNT	Band5	1.4	20643	3	#0	16QAM	23.87	-1.75	19.97	PASS
NVNT	Band5	1.4	20643	3	#Mid	16QAM	23.36	-1.75	19.46	PASS
NVNT	Band5	1.4	20643	3	#Max	16QAM	23.35	-1.75	19.45	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	22.64	-1.75	18.74	PASS
NVNT	Band5	3	20415	1	#0	QPSK	24.32	-1.75	20.42	PASS
NVNT	Band5	3	20415	1	#Mid	QPSK	24.28	-1.75	20.38	PASS
NVNT	Band5	3	20415	1	#Max	QPSK	24.23	-1.75	20.33	PASS
NVNT	Band5	3	20415	8	#0	QPSK	23.41	-1.75	19.51	PASS
NVNT	Band5	3	20415	8	#Mid	QPSK	23.45	-1.75	19.55	PASS
NVNT	Band5	3	20415	8	#Max	QPSK	23.39	-1.75	19.49	PASS
NVNT	Band5	3	20415	15	#0	QPSK	23.38	-1.75	19.48	PASS
NVNT	Band5	3	20415	1	#0	16QAM	23.41	-1.75	19.51	PASS
NVNT	Band5	3	20415	1	#Mid	16QAM	23.37	-1.75	19.47	PASS
NVNT	Band5	3	20415	1	#Max	16QAM	23.36	-1.75	19.46	PASS
NVNT	Band5	3	20415	8	#0	16QAM	22.63	-1.75	18.73	PASS
NVNT	Band5	3	20415	8	#Mid	16QAM	22.68	-1.75	18.78	PASS
NVNT	Band5	3	20415	8	#Max	16QAM	22.62	-1.75	18.72	PASS
NVNT	Band5	3	20415	15	#0	16QAM	22.81	-1.75	18.91	PASS
NVNT	Band5	3	20525	1	#0	QPSK	24.29	-1.75	20.39	PASS
NVNT	Band5	3	20525	1	#Mid	QPSK	24.26	-1.75	20.36	PASS
NVNT	Band5	3	20525	1	#Max	QPSK	24.29	-1.75	20.39	PASS
NVNT	Band5	3	20525	8	#0	QPSK	23.25	-1.75	19.35	PASS
NVNT	Band5	3	20525	8	#Mid	QPSK	23.28	-1.75	19.38	PASS
NVNT	Band5	3	20525	8	#Max	QPSK	23.19	-1.75	19.29	PASS
NVNT	Band5	3	20525	15	#0	QPSK	23.22	-1.75	19.32	PASS
NVNT	Band5	3	20525	1	#0	16QAM	22.95	-1.75	19.05	PASS
NVNT	Band5	3	20525	1	#Mid	16QAM	22.79	-1.75	18.89	PASS
NVNT	Band5	3	20525	1	#Max	16QAM	22.87	-1.75	18.97	PASS
NVNT	Band5	3	20525	8	#0	16QAM	22.47	-1.75	18.57	PASS
NVNT	Band5	3	20525	8	#Mid	16QAM	22.37	-1.75	18.47	PASS
NVNT	Band5	3	20525	8	#Max	16QAM	22.39	-1.75	18.49	PASS
NVNT	Band5	3	20525	15	#0	16QAM	22.25	-1.75	18.35	PASS
NVNT	Band5	3	20635	1	#0	QPSK	24.01	-1.75	20.11	PASS
NVNT	Band5	3	20635	1	#Mid	QPSK	24.01	-1.75	20.11	PASS
NVNT	Band5	3	20635	1	#Max	QPSK	24.18	-1.75	20.28	PASS
NVNT	Band5	3	20635	8	#0	QPSK	23.41	-1.75	19.51	PASS
NVNT	Band5	3	20635	8	#Mid	QPSK	23.39	-1.75	19.49	PASS
NVNT	Band5	3	20635	8	#Max	QPSK	22.94	-1.75	19.04	PASS
NVNT	Band5	3	20635	15	#0	QPSK	23.36	-1.75	19.46	PASS
NVNT	Band5	3	20635	1	#0	16QAM	23.42	-1.75	19.52	PASS
NVNT	Band5	3	20635	1	#Mid	16QAM	23.41	-1.75	19.51	PASS
NVNT	Band5	3	20635	1	#Max	16QAM	22.71	-1.75	18.81	PASS
NVNT	Band5	3	20635	8	#0	16QAM	22.42	-1.75	18.52	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

NVNT	Band5	3	20635	8	#Mid	16QAM	22.40	-1.75	18.50	PASS
NVNT	Band5	3	20635	8	#Max	16QAM	22.33	-1.75	18.43	PASS
NVNT	Band5	3	20635	15	#0	16QAM	22.47	-1.75	18.57	PASS
NVNT	Band5	5	20425	1	#0	QPSK	24.38	-1.75	20.48	PASS
NVNT	Band5	5	20425	1	#Mid	QPSK	24.31	-1.75	20.41	PASS
NVNT	Band5	5	20425	1	#Max	QPSK	24.39	-1.75	20.49	PASS
NVNT	Band5	5	20425	12	#0	QPSK	23.45	-1.75	19.55	PASS
NVNT	Band5	5	20425	12	#Mid	QPSK	23.38	-1.75	19.48	PASS
NVNT	Band5	5	20425	12	#Max	QPSK	23.48	-1.75	19.58	PASS
NVNT	Band5	5	20425	25	#0	QPSK	23.42	-1.75	19.52	PASS
NVNT	Band5	5	20425	1	#0	16QAM	22.51	-1.75	18.61	PASS
NVNT	Band5	5	20425	1	#Mid	16QAM	22.50	-1.75	18.60	PASS
NVNT	Band5	5	20425	1	#Max	16QAM	22.49	-1.75	18.59	PASS
NVNT	Band5	5	20425	12	#0	16QAM	22.72	-1.75	18.82	PASS
NVNT	Band5	5	20425	12	#Mid	16QAM	22.77	-1.75	18.87	PASS
NVNT	Band5	5	20425	12	#Max	16QAM	22.78	-1.75	18.88	PASS
NVNT	Band5	5	20425	25	#0	16QAM	22.93	-1.75	19.03	PASS
NVNT	Band5	5	20525	1	#0	QPSK	24.38	-1.75	20.48	PASS
NVNT	Band5	5	20525	1	#Mid	QPSK	24.35	-1.75	20.45	PASS
NVNT	Band5	5	20525	1	#Max	QPSK	24.22	-1.75	20.32	PASS
NVNT	Band5	5	20525	12	#0	QPSK	23.32	-1.75	19.42	PASS
NVNT	Band5	5	20525	12	#Mid	QPSK	23.27	-1.75	19.37	PASS
NVNT	Band5	5	20525	12	#Max	QPSK	23.13	-1.75	19.23	PASS
NVNT	Band5	5	20525	25	#0	QPSK	23.30	-1.75	19.40	PASS
NVNT	Band5	5	20525	1	#0	16QAM	22.24	-1.75	18.34	PASS
NVNT	Band5	5	20525	1	#Mid	16QAM	22.13	-1.75	18.23	PASS
NVNT	Band5	5	20525	1	#Max	16QAM	22.16	-1.75	18.26	PASS
NVNT	Band5	5	20525	12	#0	16QAM	22.16	-1.75	18.26	PASS
NVNT	Band5	5	20525	12	#Mid	16QAM	22.06	-1.75	18.16	PASS
NVNT	Band5	5	20525	12	#Max	16QAM	21.94	-1.75	18.04	PASS
NVNT	Band5	5	20525	25	#0	16QAM	22.20	-1.75	18.30	PASS
NVNT	Band5	5	20625	1	#0	QPSK	23.88	-1.75	19.98	PASS
NVNT	Band5	5	20625	1	#Mid	QPSK	23.70	-1.75	19.80	PASS
NVNT	Band5	5	20625	1	#Max	QPSK	23.91	-1.75	20.01	PASS
NVNT	Band5	5	20625	12	#0	QPSK	22.97	-1.75	19.07	PASS
NVNT	Band5	5	20625	12	#Mid	QPSK	23.47	-1.75	19.57	PASS
NVNT	Band5	5	20625	12	#Max	QPSK	23.44	-1.75	19.54	PASS
NVNT	Band5	5	20625	25	#0	QPSK	23.39	-1.75	19.49	PASS
NVNT	Band5	5	20625	1	#0	16QAM	22.67	-1.75	18.77	PASS
NVNT	Band5	5	20625	1	#Mid	16QAM	22.98	-1.75	19.08	PASS
NVNT	Band5	5	20625	1	#Max	16QAM	22.40	-1.75	18.50	PASS
NVNT	Band5	5	20625	12	#0	16QAM	22.45	-1.75	18.55	PASS
NVNT	Band5	5	20625	12	#Mid	16QAM	22.30	-1.75	18.40	PASS
NVNT	Band5	5	20625	12	#Max	16QAM	22.33	-1.75	18.43	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

NVNT	Band5	5	20625	25	#0	16QAM	22.56	-1.75	18.66	PASS
NVNT	Band5	10	20450	1	#0	QPSK	24.24	-1.75	20.34	PASS
NVNT	Band5	10	20450	1	#Mid	QPSK	24.33	-1.75	20.43	PASS
NVNT	Band5	10	20450	1	#Max	QPSK	24.27	-1.75	20.37	PASS
NVNT	Band5	10	20450	25	#0	QPSK	23.36	-1.75	19.46	PASS
NVNT	Band5	10	20450	25	#Mid	QPSK	23.45	-1.75	19.55	PASS
NVNT	Band5	10	20450	25	#Max	QPSK	23.43	-1.75	19.53	PASS
NVNT	Band5	10	20450	50	#0	QPSK	23.36	-1.75	19.46	PASS
NVNT	Band5	10	20450	1	#0	16QAM	23.28	-1.75	19.38	PASS
NVNT	Band5	10	20450	1	#Mid	16QAM	23.16	-1.75	19.26	PASS
NVNT	Band5	10	20450	1	#Max	16QAM	23.26	-1.75	19.36	PASS
NVNT	Band5	10	20450	25	#0	16QAM	22.82	-1.75	18.92	PASS
NVNT	Band5	10	20450	25	#Mid	16QAM	22.48	-1.75	18.58	PASS
NVNT	Band5	10	20450	25	#Max	16QAM	22.34	-1.75	18.44	PASS
NVNT	Band5	10	20450	50	#0	16QAM	22.37	-1.75	18.47	PASS
NVNT	Band5	10	20525	1	#0	QPSK	24.37	-1.75	20.47	PASS
NVNT	Band5	10	20525	1	#Mid	QPSK	24.41	-1.75	20.51	PASS
NVNT	Band5	10	20525	1	#Max	QPSK	24.16	-1.75	20.26	PASS
NVNT	Band5	10	20525	25	#0	QPSK	23.27	-1.75	19.37	PASS
NVNT	Band5	10	20525	25	#Mid	QPSK	23.27	-1.75	19.37	PASS
NVNT	Band5	10	20525	25	#Max	QPSK	23.25	-1.75	19.35	PASS
NVNT	Band5	10	20525	50	#0	QPSK	23.27	-1.75	19.37	PASS
NVNT	Band5	10	20525	1	#0	16QAM	22.19	-1.75	18.29	PASS
NVNT	Band5	10	20525	1	#Mid	16QAM	22.16	-1.75	18.26	PASS
NVNT	Band5	10	20525	1	#Max	16QAM	22.08	-1.75	18.18	PASS
NVNT	Band5	10	20525	25	#0	16QAM	22.30	-1.75	18.40	PASS
NVNT	Band5	10	20525	25	#Mid	16QAM	22.29	-1.75	18.39	PASS
NVNT	Band5	10	20525	25	#Max	16QAM	22.67	-1.75	18.77	PASS
NVNT	Band5	10	20525	50	#0	16QAM	22.26	-1.75	18.36	PASS
NVNT	Band5	10	20600	1	#0	QPSK	24.18	-1.75	20.28	PASS
NVNT	Band5	10	20600	1	#Mid	QPSK	23.98	-1.75	20.08	PASS
NVNT	Band5	10	20600	1	#Max	QPSK	24.15	-1.75	20.25	PASS
NVNT	Band5	10	20600	25	#0	QPSK	23.04	-1.75	19.14	PASS
NVNT	Band5	10	20600	25	#Mid	QPSK	23.12	-1.75	19.22	PASS
NVNT	Band5	10	20600	25	#Max	QPSK	23.39	-1.75	19.49	PASS
NVNT	Band5	10	20600	50	#0	QPSK	23.06	-1.75	19.16	PASS
NVNT	Band5	10	20600	1	#0	16QAM	22.10	-1.75	18.20	PASS
NVNT	Band5	10	20600	1	#Mid	16QAM	22.03	-1.75	18.13	PASS
NVNT	Band5	10	20600	1	#Max	16QAM	21.80	-1.75	17.90	PASS
NVNT	Band5	10	20600	25	#0	16QAM	22.09	-1.75	18.19	PASS
NVNT	Band5	10	20600	25	#Mid	16QAM	22.11	-1.75	18.21	PASS
NVNT	Band5	10	20600	25	#Max	16QAM	22.44	-1.75	18.54	PASS
NVNT	Band5	10	20600	50	#0	16QAM	22.05	-1.75	18.15	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	24.40	0.030	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	NT	11.56	0.014	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	HV	NT	-0.44	-0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	LV	NT	-10.16	-0.012	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	NT	-17.85	-0.022	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	HV	NT	-21.60	-0.026	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	LV	NT	-3.75	-0.004	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	NT	-1.99	-0.002	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	HV	NT	-3.30	-0.004	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	LV	NT	-4.21	-0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	NT	-3.79	-0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	HV	NT	-1.96	-0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	LV	NT	1.72	0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	NT	-6.44	-0.008	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	HV	NT	-17.31	-0.020	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	LV	NT	-24.53	-0.029	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	NT	-29.11	-0.034	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	HV	NT	-32.33	-0.038	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	LV	NT	18.24	0.022	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	NT	-0.40	0.000	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	3	20415	15	#0	QPSK	HV	NT	-15.32	-0.019	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	LV	NT	-26.98	-0.033	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	NT	-35.09	-0.043	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	HV	NT	-40.05	-0.049	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	LV	NT	-1.30	-0.002	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	NT	0.56	0.001	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	HV	NT	-1.17	-0.001	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	LV	NT	-1.83	-0.002	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	NT	-0.57	-0.001	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	HV	NT	1.72	0.002	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	LV	NT	0.29	0.000	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	NT	-11.76	-0.014	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	HV	NT	-24.10	-0.028	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	LV	NT	-33.83	-0.040	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	NT	-38.21	-0.045	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	HV	NT	-39.20	-0.046	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	LV	NT	25.78	0.031	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	NT	6.55	0.008	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	HV	NT	-9.70	-0.012	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	LV	NT	-21.86	-0.026	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	NT	-29.97	-0.036	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	HV	NT	-35.92	-0.043	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	5	20525	25	#0	QPSK	LV	NT	2.76	0.003	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	NT	3.40	0.004	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	HV	NT	2.36	0.003	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	LV	NT	2.20	0.003	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	NT	3.15	0.004	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	HV	NT	4.88	0.006	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	LV	NT	-6.45	-0.008	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	NT	-21.06	-0.025	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	HV	NT	-32.54	-0.038	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	LV	NT	-41.60	-0.049	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	NT	-44.96	-0.053	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	HV	NT	-33.65	-0.040	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	LV	NT	25.61	0.031	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	NT	2.93	0.004	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	HV	NT	-13.22	-0.016	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	LV	NT	-24.56	-0.030	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	NT	-29.15	-0.035	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	HV	NT	-33.04	-0.040	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	LV	NT	2.86	0.003	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	NT	3.78	0.005	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	HV	NT	1.14	0.001	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	LV	NT	0.10	0.000	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	10	20525	50	#0	16QAM	NV	NT	2.75	0.003	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	HV	NT	4.81	0.006	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	LV	NT	3.72	0.004	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	NT	-7.88	-0.009	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	HV	NT	-13.66	-0.016	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	LV	NT	-21.93	-0.026	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	NT	-24.39	-0.029	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	HV	NT	-23.46	-0.028	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	-30	30.14	0.037	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	-20	13.58	0.016	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	0	0.13	0.000	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	10	-10.96	-0.013	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	20	-20.67	-0.025	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	30	-27.59	-0.033	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	40	-35.18	-0.043	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	NV	50	-40.80	-0.049	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-30	-6.85	-0.008	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	-20	-0.54	-0.001	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	0	-1.57	-0.002	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	10	-3.52	-0.004	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	20	-5.85	-0.007	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	30	-7.01	-0.009	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	40	-9.48	-0.011	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	NV	50	-11.42	-0.014	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-30	-0.90	-0.001	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	-20	2.23	0.003	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	0	2.50	0.003	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	10	3.72	0.004	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	20	3.92	0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	30	4.16	0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	40	6.37	0.008	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	NV	50	4.51	0.005	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-30	5.16	0.006	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	-20	8.68	0.010	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	0	10.07	0.012	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	10	12.35	0.015	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	20	12.93	0.015	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	30	15.69	0.019	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	40	17.48	0.021	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	NV	50	19.53	0.023	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-30	-1.57	-0.002	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	-20	-9.08	-0.011	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	0	-19.51	-0.023	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	10	-28.68	-0.034	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	20	-35.59	-0.042	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	30	-41.81	-0.049	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	40	-45.99	-0.054	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	NV	50	-0.49	-0.001	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-30	-5.04	-0.006	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	-20	-5.71	-0.007	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	0	-7.62	-0.009	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	10	-10.43	-0.012	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	20	-11.94	-0.014	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	30	-15.21	-0.018	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	40	-17.08	-0.020	PASS
NVNT	Band 5	1.4	20643	6	#0	16QAM	NV	50	-18.78	-0.022	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-30	27.92	0.034	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	-20	6.94	0.008	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	0	-8.21	-0.010	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	10	-19.57	-0.024	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	20	-28.85	-0.035	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	30	-35.59	-0.043	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	40	-42.66	-0.052	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	NV	50	-7.52	-0.009	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-30	-10.93	-0.013	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	-20	-13.75	-0.017	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	3	20415	15	#0	16QAM	NV	0	-14.45	-0.018	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	10	-16.87	-0.020	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	20	-17.37	-0.021	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	30	-18.35	-0.022	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	40	-18.83	-0.023	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	NV	50	-20.94	-0.025	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-30	9.24	0.011	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	-20	12.29	0.015	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	0	13.95	0.017	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	10	14.16	0.017	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	20	15.94	0.019	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	30	16.42	0.020	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	40	16.74	0.020	PASS
NVNT	Band 5	3	20525	15	#0	QPSK	NV	50	17.54	0.021	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	-30	18.78	0.022	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	-20	21.33	0.025	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	0	24.79	0.030	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	10	28.68	0.034	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	20	29.28	0.035	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	30	32.53	0.039	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	40	33.69	0.040	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	NV	50	35.58	0.043	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-30	2.06	0.002	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	-20	-10.50	-0.012	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	0	-21.56	-0.025	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	10	-31.33	-0.037	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	20	-38.18	-0.045	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	30	-45.12	-0.053	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	40	-2.45	-0.003	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	NV	50	-8.91	-0.011	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-30	-15.02	-0.018	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	-20	-15.62	-0.018	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	0	-14.45	-0.017	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	10	-14.15	-0.017	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	20	-15.18	-0.018	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	30	-16.51	-0.019	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	40	-16.89	-0.020	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	NV	50	-18.61	-0.022	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	-30	19.43	0.024	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	-20	2.43	0.003	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	0	-11.52	-0.014	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	10	-22.40	-0.027	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	20	-30.38	-0.037	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	30	-37.75	-0.046	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	5	20425	25	#0	QPSK	NV	40	-41.58	-0.050	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	NV	50	-24.88	-0.030	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-30	-6.02	-0.007	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	-20	-6.64	-0.008	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	0	-6.59	-0.008	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	10	-7.17	-0.009	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	20	-7.50	-0.009	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	30	-7.47	-0.009	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	40	-10.34	-0.013	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	NV	50	-11.07	-0.013	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-30	4.41	0.005	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	-20	10.89	0.013	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	0	10.93	0.013	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	10	12.13	0.015	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	20	13.80	0.016	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	30	15.94	0.019	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	40	17.08	0.020	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	NV	50	18.94	0.023	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-30	20.08	0.024	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	-20	23.36	0.028	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	0	26.51	0.032	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	10	30.24	0.036	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	5	20525	25	#0	16QAM	NV	20	34.38	0.041	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	30	36.45	0.044	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	40	38.82	0.046	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	NV	50	41.17	0.049	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-30	-6.84	-0.008	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	-20	-20.73	-0.024	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	0	-33.04	-0.039	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	10	-41.61	-0.049	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	20	3.50	0.004	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	30	-2.98	-0.004	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	40	-7.45	-0.009	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	NV	50	-11.82	-0.014	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-30	-16.75	-0.020	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	-20	-17.32	-0.020	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	0	-16.45	-0.019	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	10	-16.08	-0.019	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	20	-16.95	-0.020	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	30	-19.77	-0.023	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	40	-19.23	-0.023	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	NV	50	-20.16	-0.024	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-30	19.01	0.023	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	-20	-2.33	-0.003	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

	5										
NVNT	Band 5	10	20450	50	#0	QPSK	NV	0	-16.92	-0.020	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	10	-27.07	-0.033	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	20	-34.88	-0.042	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	30	-39.77	-0.048	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	40	-43.62	-0.053	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	NV	50	-46.48	-0.056	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-30	0.40	0.000	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	-20	0.82	0.001	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	0	1.75	0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	10	1.67	0.002	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	20	1.13	0.001	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	30	0.92	0.001	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	40	2.96	0.004	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	NV	50	3.53	0.004	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-30	0.59	0.001	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	-20	2.30	0.003	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	0	2.60	0.003	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	10	1.54	0.002	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	20	3.68	0.004	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	30	4.52	0.005	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	40	5.38	0.006	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	NV	50	4.96	0.006	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

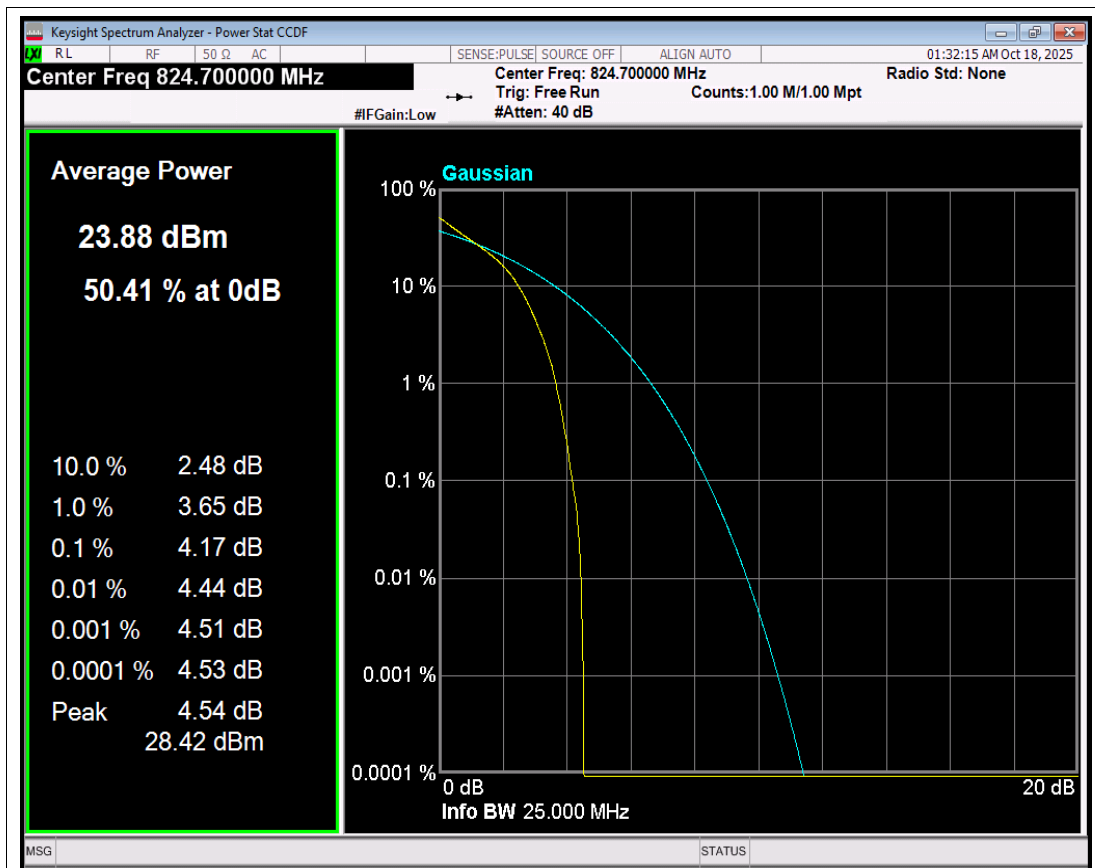
	5										
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-30	6.87	0.008	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	-20	9.57	0.011	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	0	13.22	0.016	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	10	16.19	0.019	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	20	18.57	0.022	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	30	20.79	0.025	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	40	22.85	0.027	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	NV	50	25.11	0.030	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-30	6.97	0.008	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	-20	-3.08	-0.004	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	0	-10.94	-0.013	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	10	-16.14	-0.019	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	20	-20.87	-0.025	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	30	-25.84	-0.031	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	40	-30.40	-0.036	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	NV	50	-33.17	-0.039	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-30	-36.55	-0.043	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	-20	-34.82	-0.041	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	0	-32.60	-0.039	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	10	-31.31	-0.037	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	20	-30.20	-0.036	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	30	-30.17	-0.036	PASS

Report No.: STS2512458W04_Appendix LTE Band 5

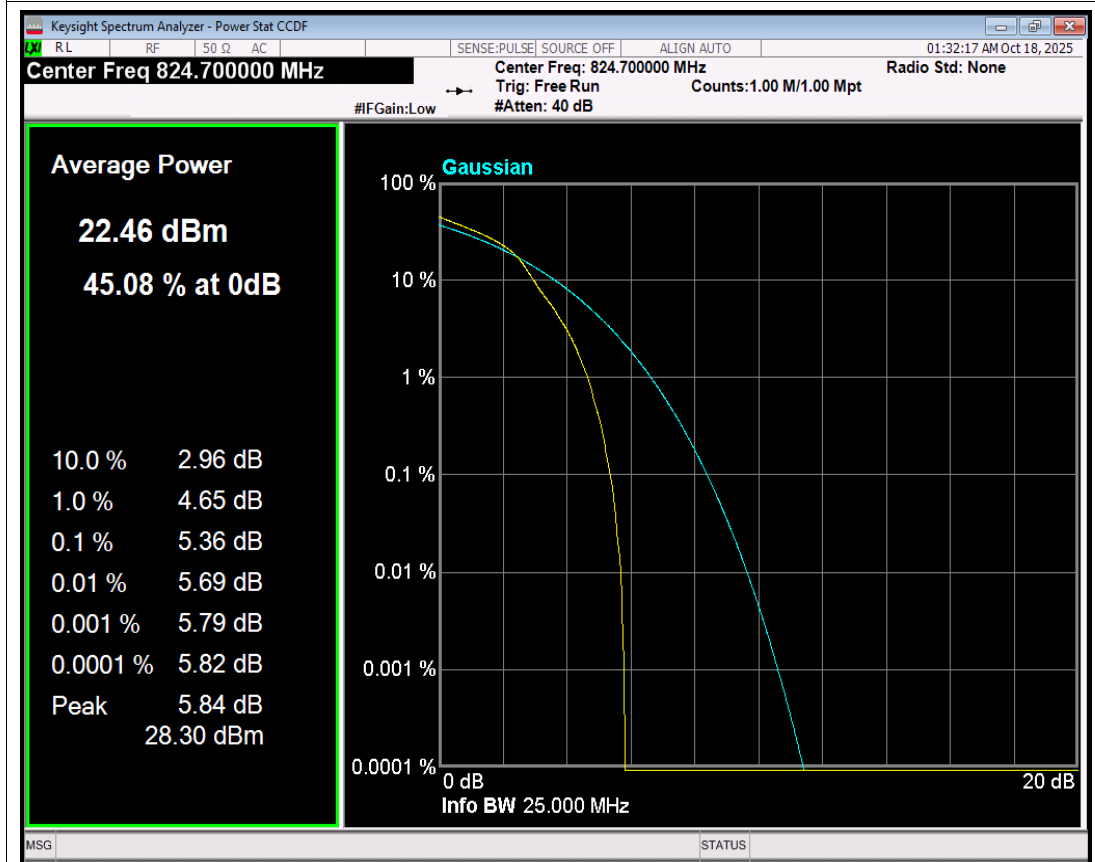
	5										
NVNT	Band 5	10	20600	50	#0	16QAM	NV	40	-29.31	-0.035	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	NV	50	-28.78	-0.034	PASS

Appendix 3. Peak-to-Average Ratio

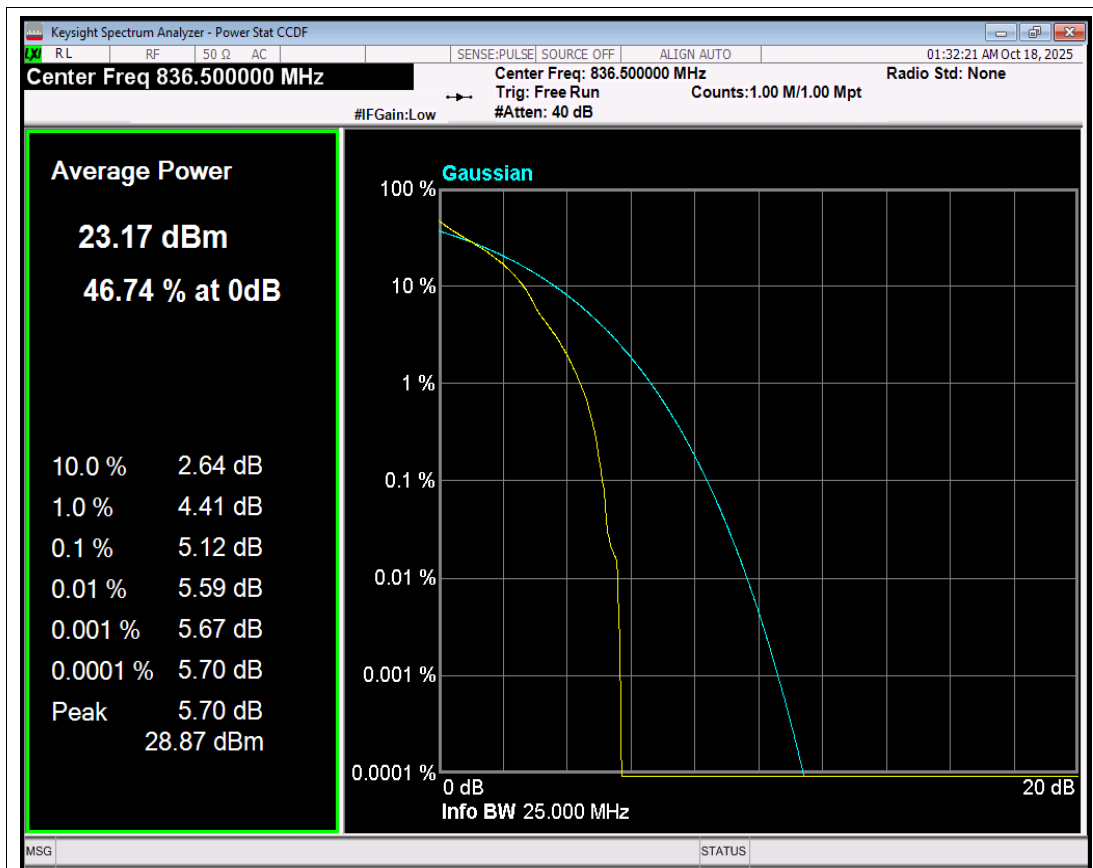
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	4.17	13	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	5.36	13	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	5.12	13	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	6.34	13	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	4.25	13	PASS
NVNT	Band5	1.4	20643	1	#0	16QAM	5.03	13	PASS
NVNT	Band5	3	20415	1	#0	QPSK	4.19	13	PASS
NVNT	Band5	3	20415	1	#0	16QAM	5.71	13	PASS
NVNT	Band5	3	20525	1	#0	QPSK	5.10	13	PASS
NVNT	Band5	3	20525	1	#0	16QAM	6.23	13	PASS
NVNT	Band5	3	20635	1	#0	QPSK	3.85	13	PASS
NVNT	Band5	3	20635	1	#0	16QAM	5.03	13	PASS
NVNT	Band5	5	20425	1	#0	QPSK	4.36	13	PASS
NVNT	Band5	5	20425	1	#0	16QAM	5.96	13	PASS
NVNT	Band5	5	20525	1	#0	QPSK	4.93	13	PASS
NVNT	Band5	5	20525	1	#0	16QAM	5.94	13	PASS
NVNT	Band5	5	20625	1	#0	QPSK	3.95	13	PASS
NVNT	Band5	5	20625	1	#0	16QAM	5.46	13	PASS
NVNT	Band5	10	20450	1	#0	QPSK	4.35	13	PASS
NVNT	Band5	10	20450	1	#0	16QAM	5.95	13	PASS
NVNT	Band5	10	20525	1	#0	QPSK	5.33	13	PASS
NVNT	Band5	10	20525	1	#0	16QAM	6.32	13	PASS
NVNT	Band5	10	20600	1	#0	QPSK	5.00	13	PASS
NVNT	Band5	10	20600	1	#0	16QAM	5.99	13	PASS



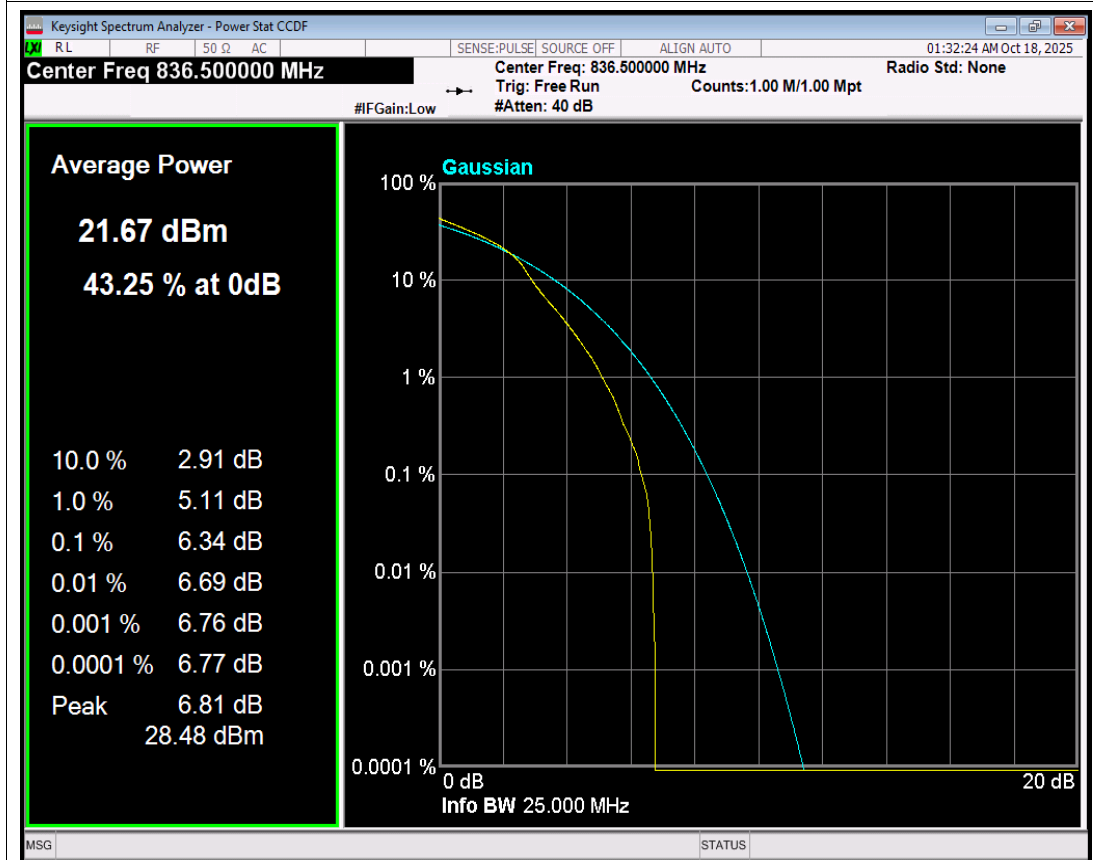
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT



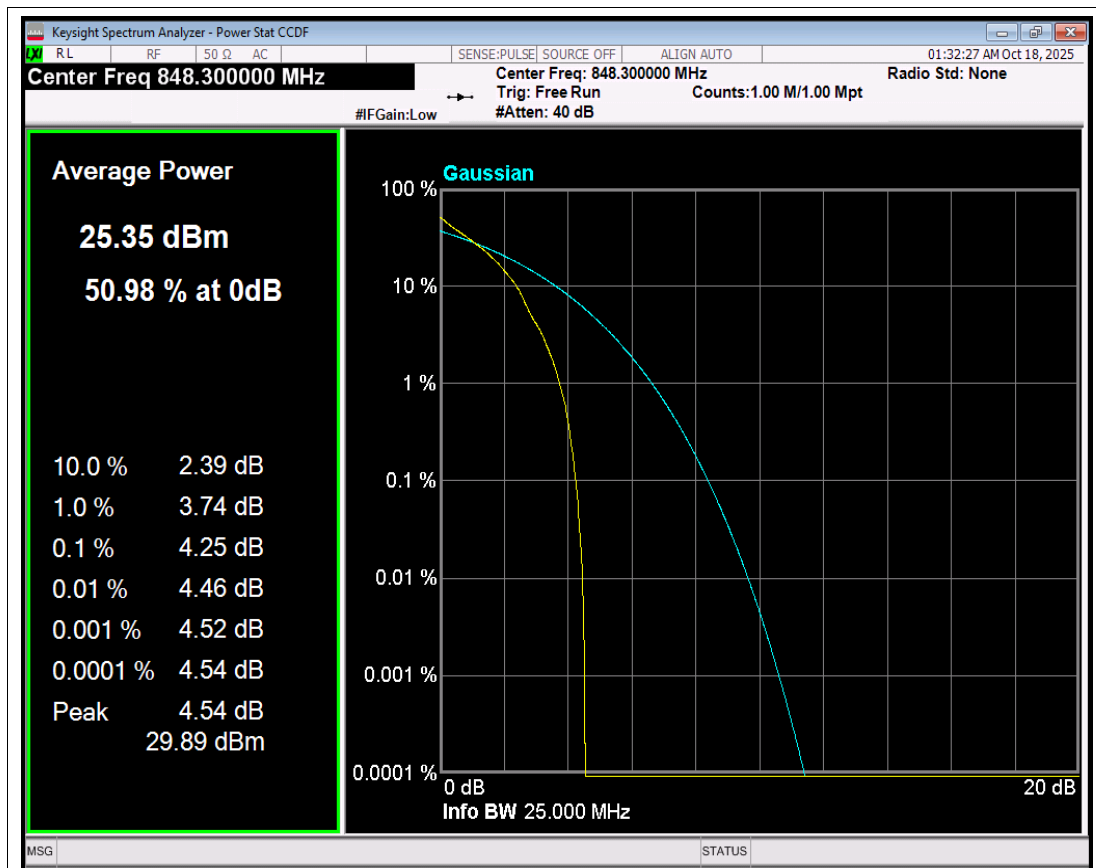
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT



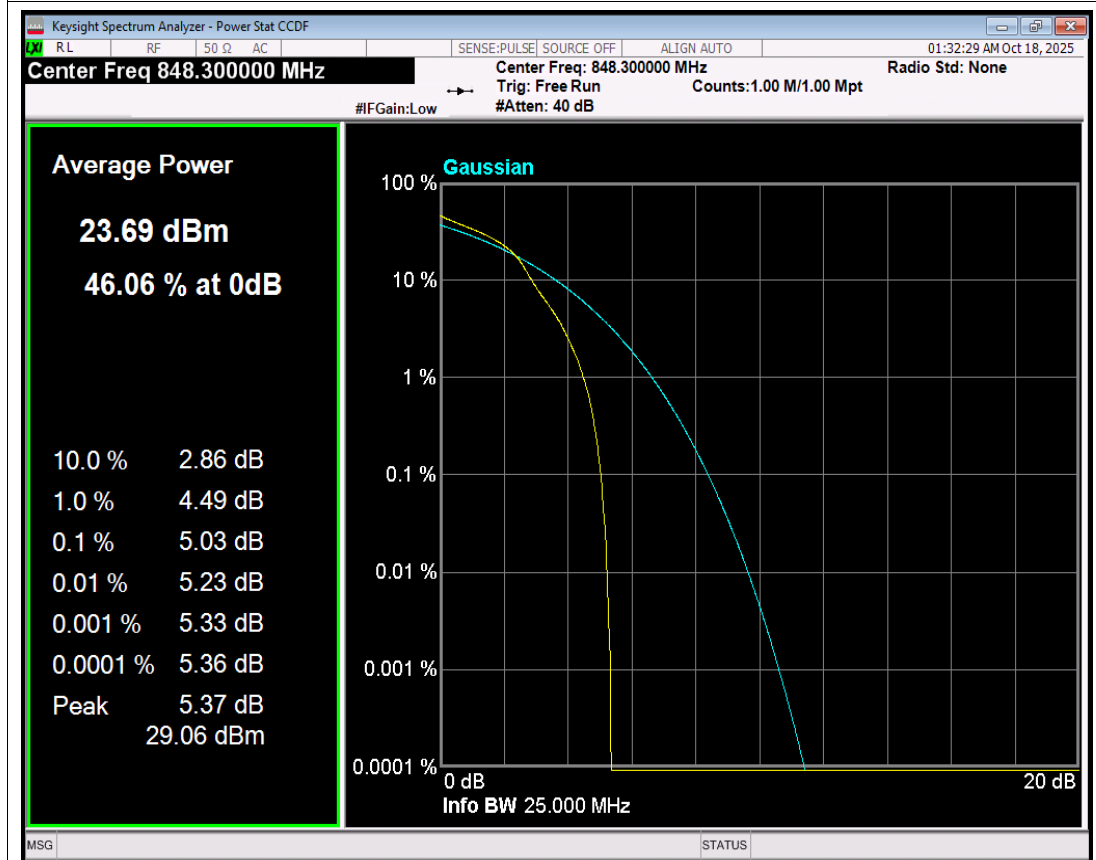
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT



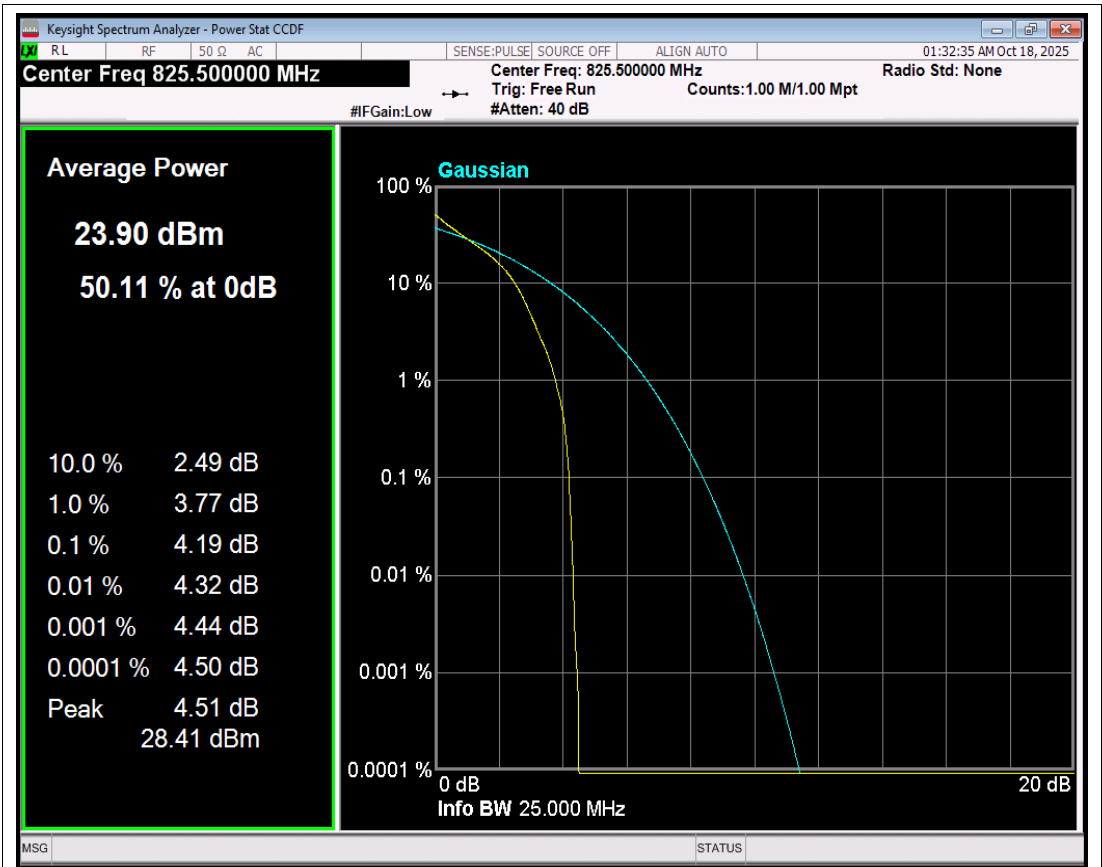
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT



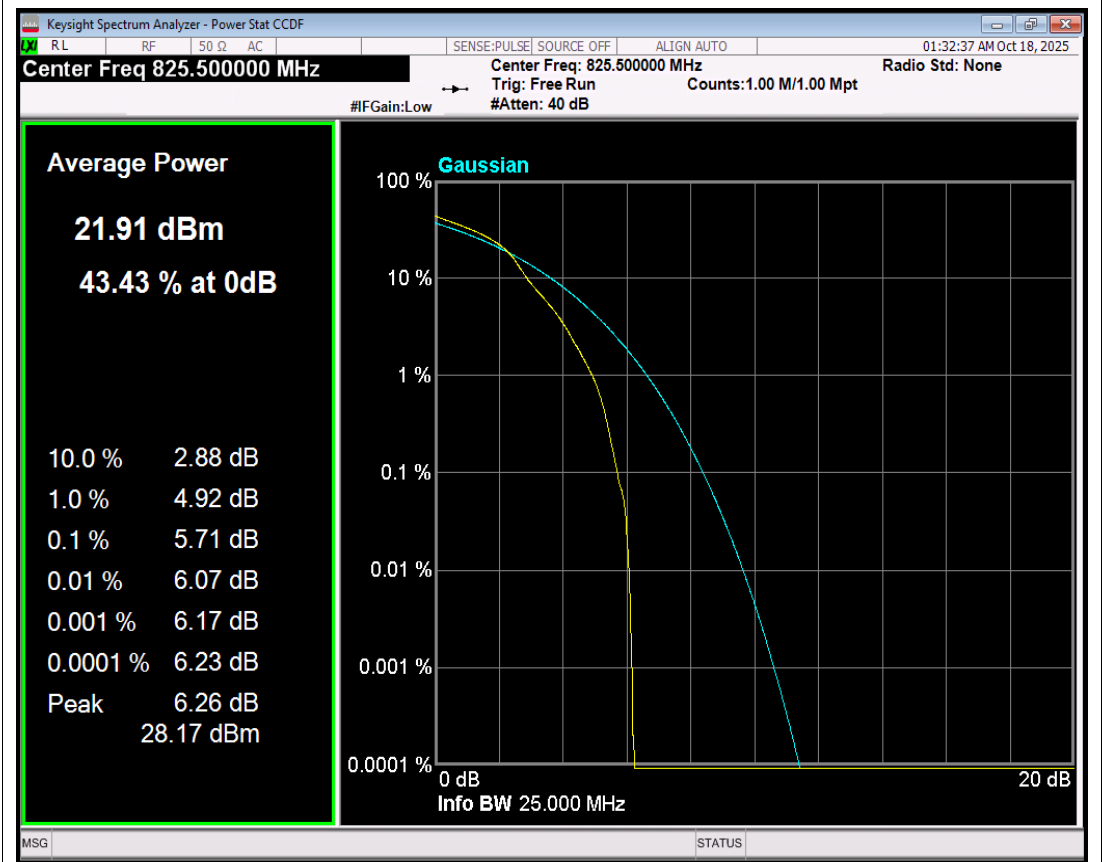
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0 NVNT



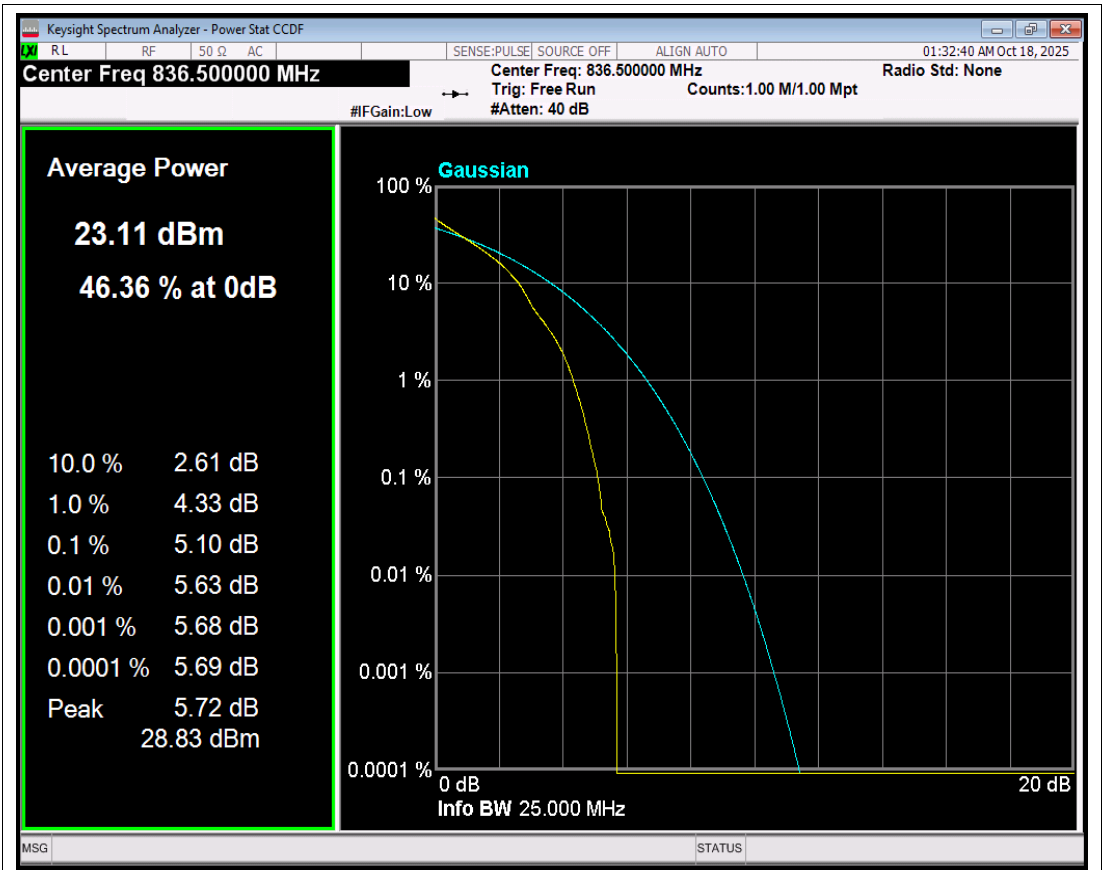
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0 NVNT



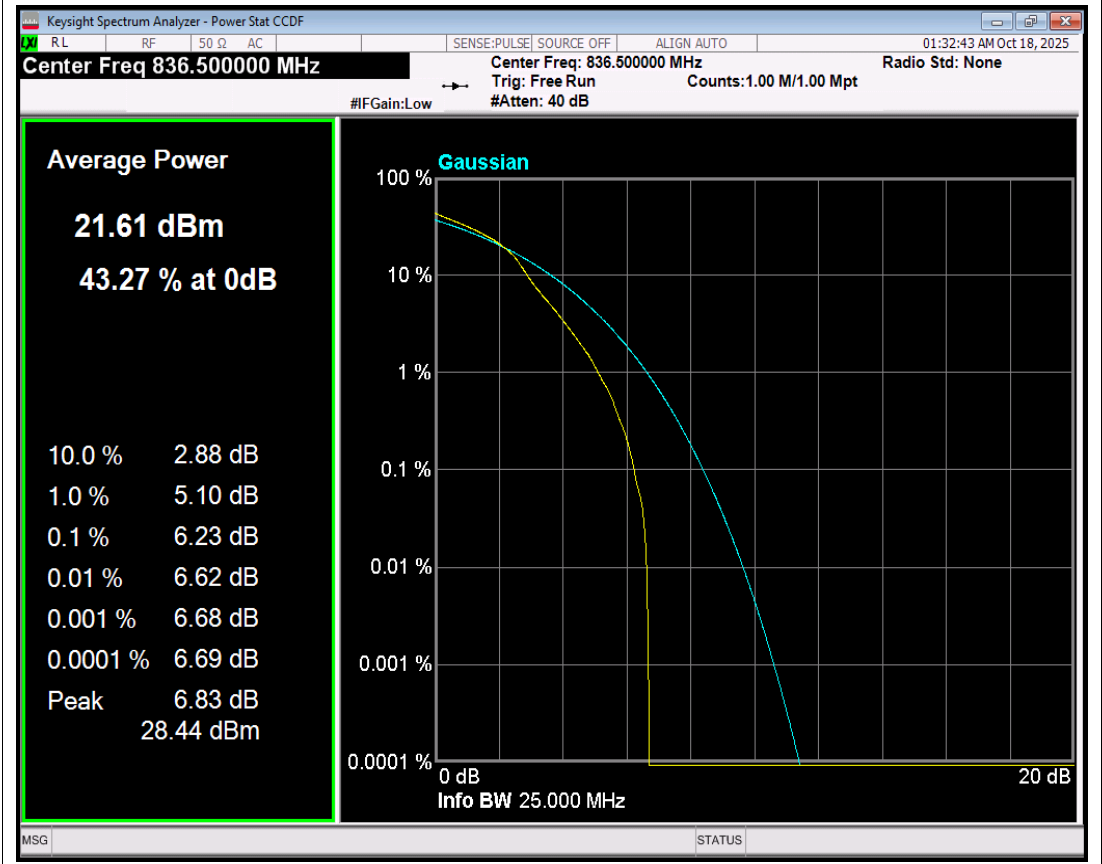
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 NVNT



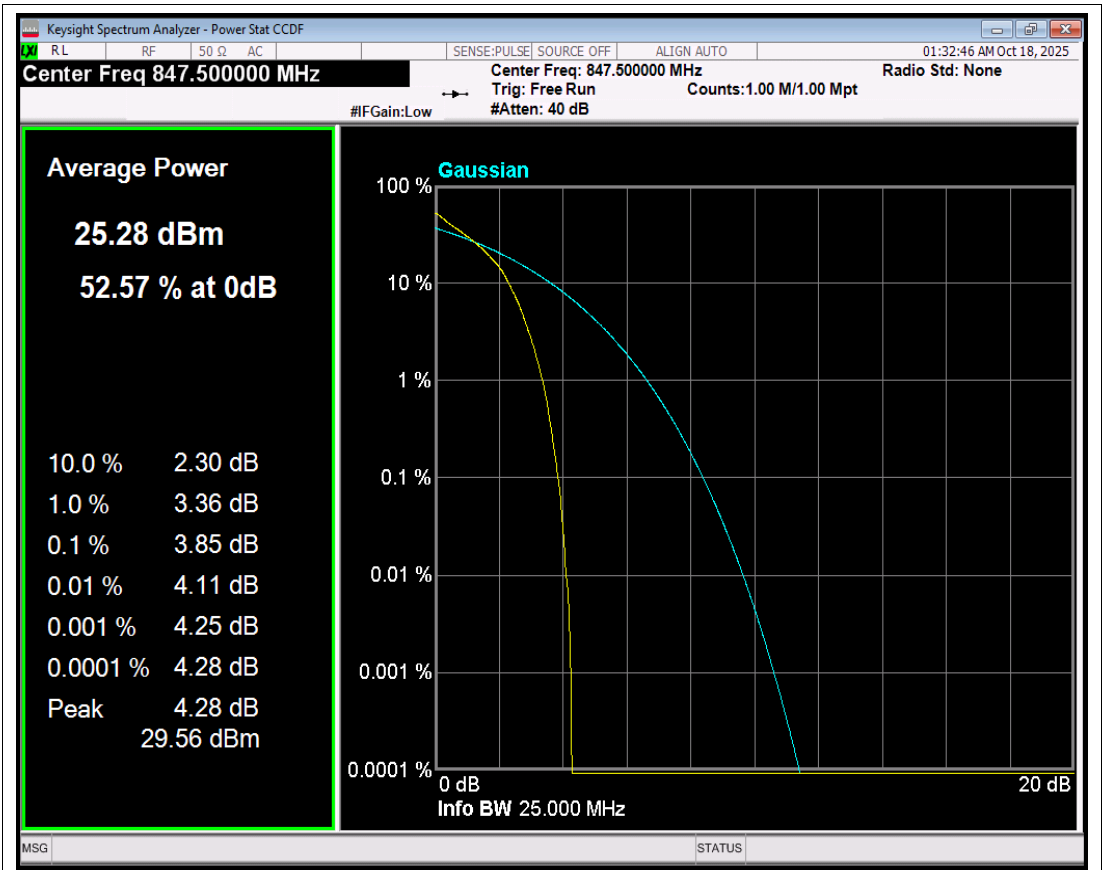
Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0 NVNT



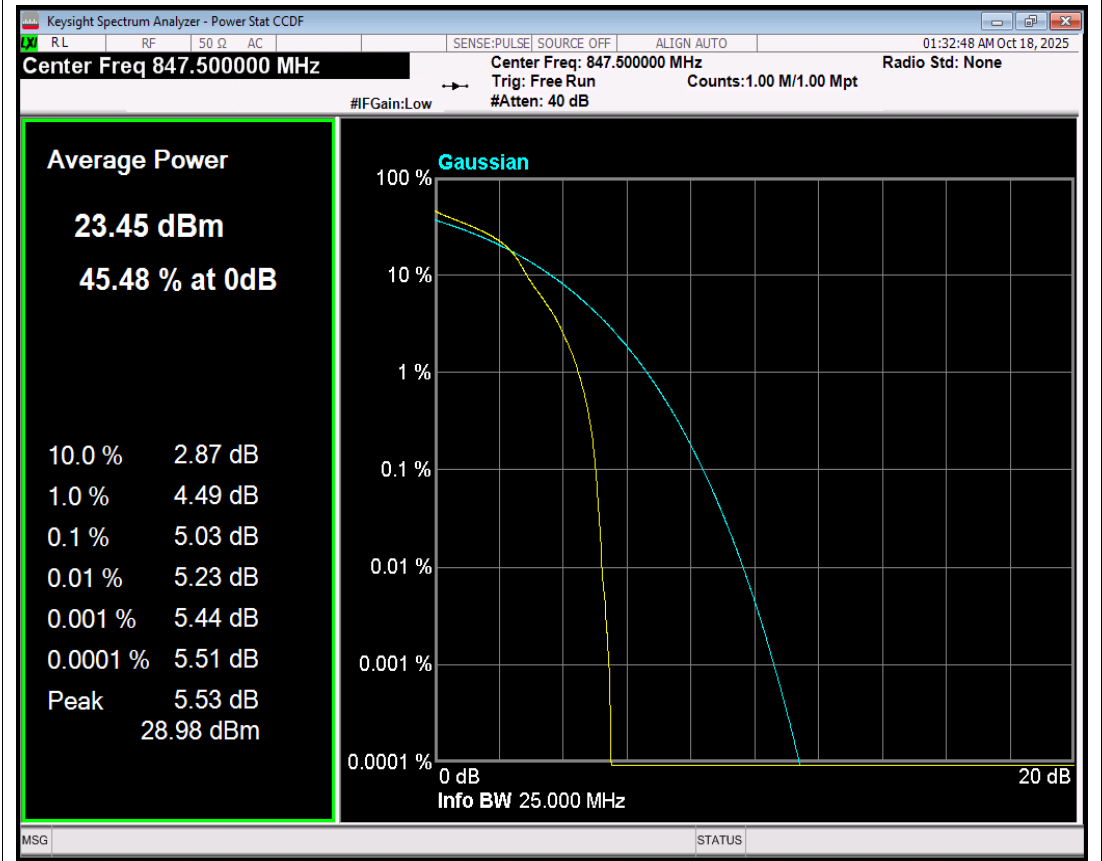
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT



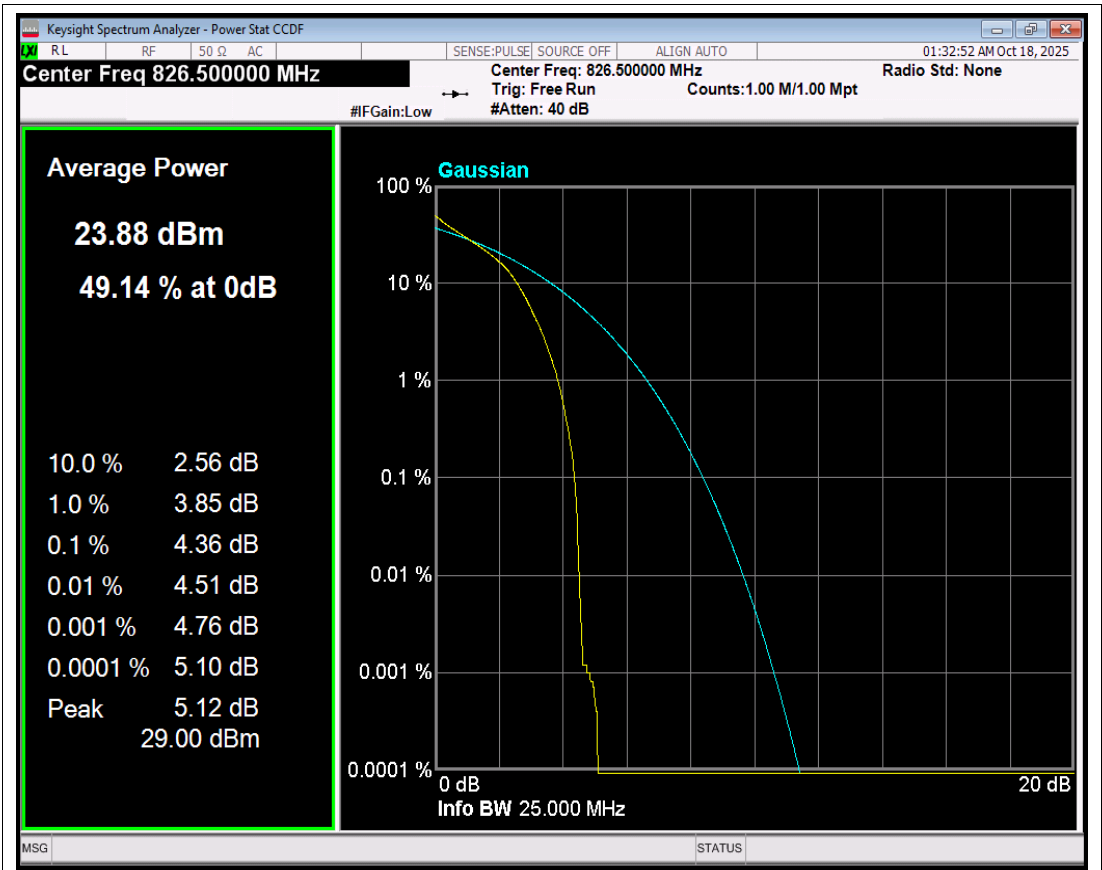
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT



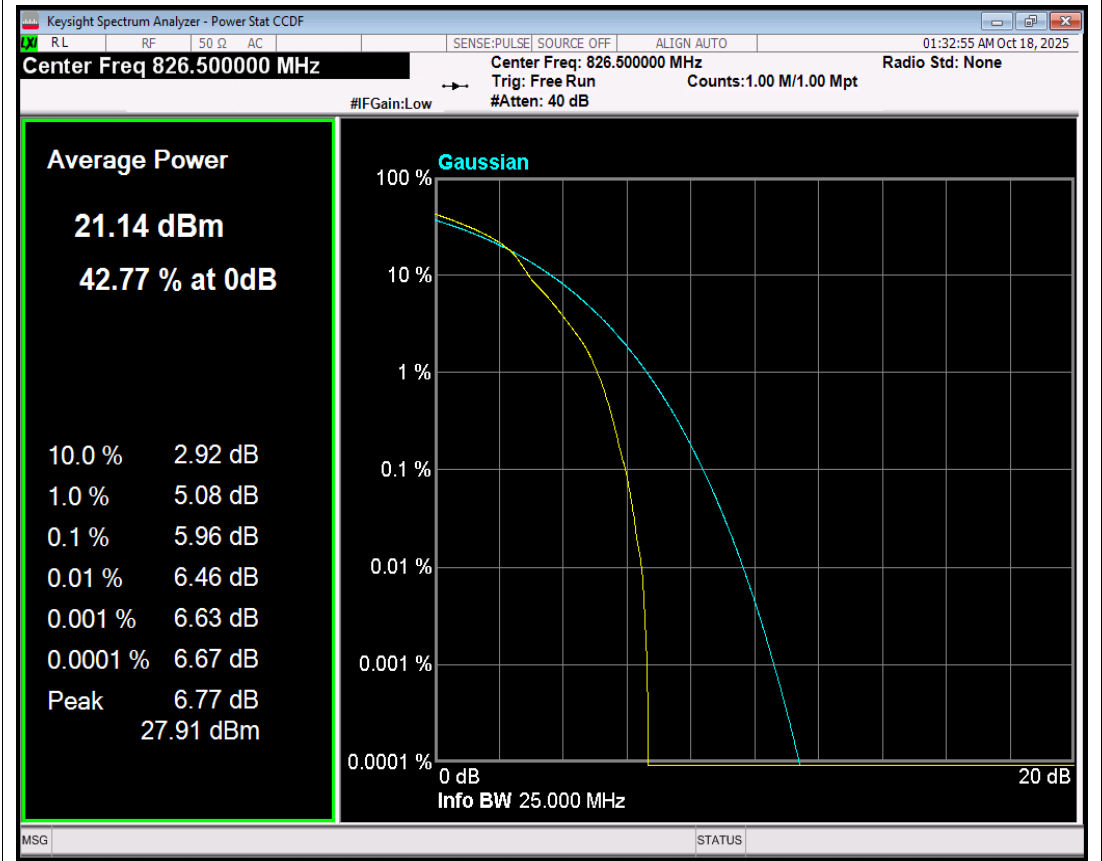
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0 NVNT



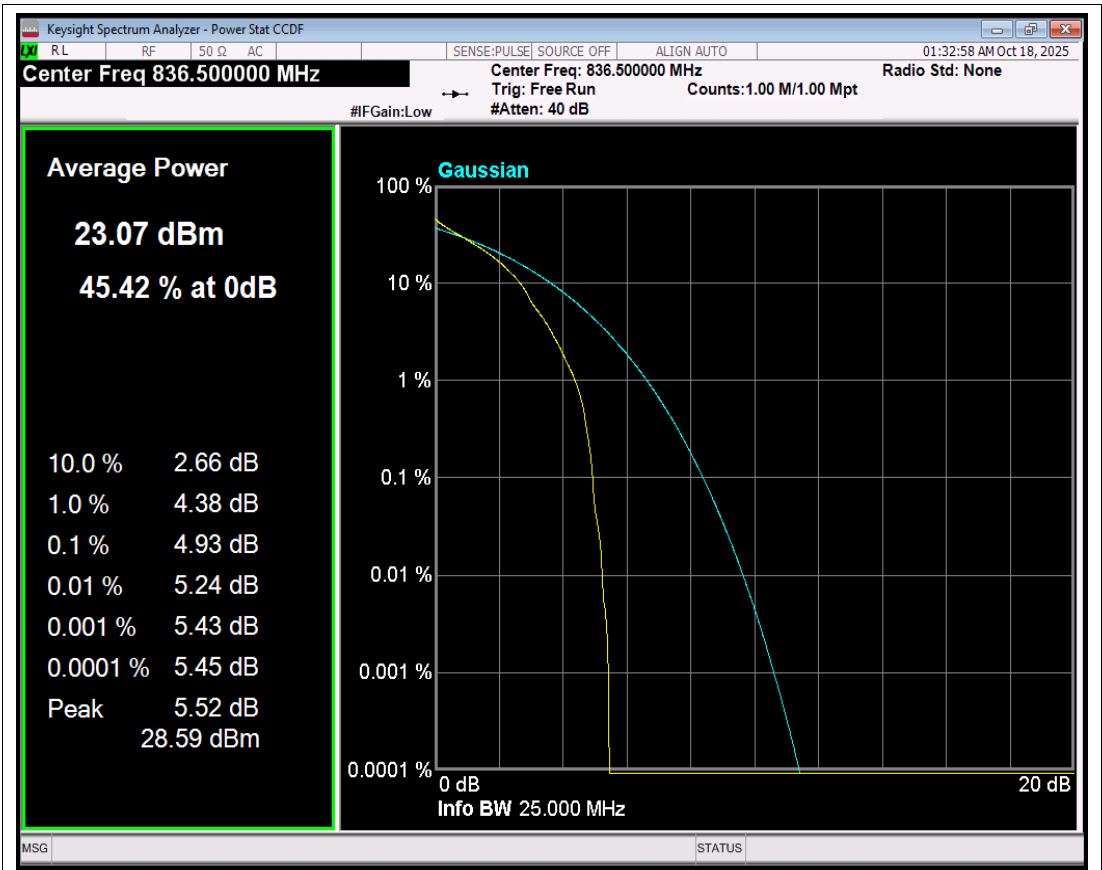
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0 NVNT



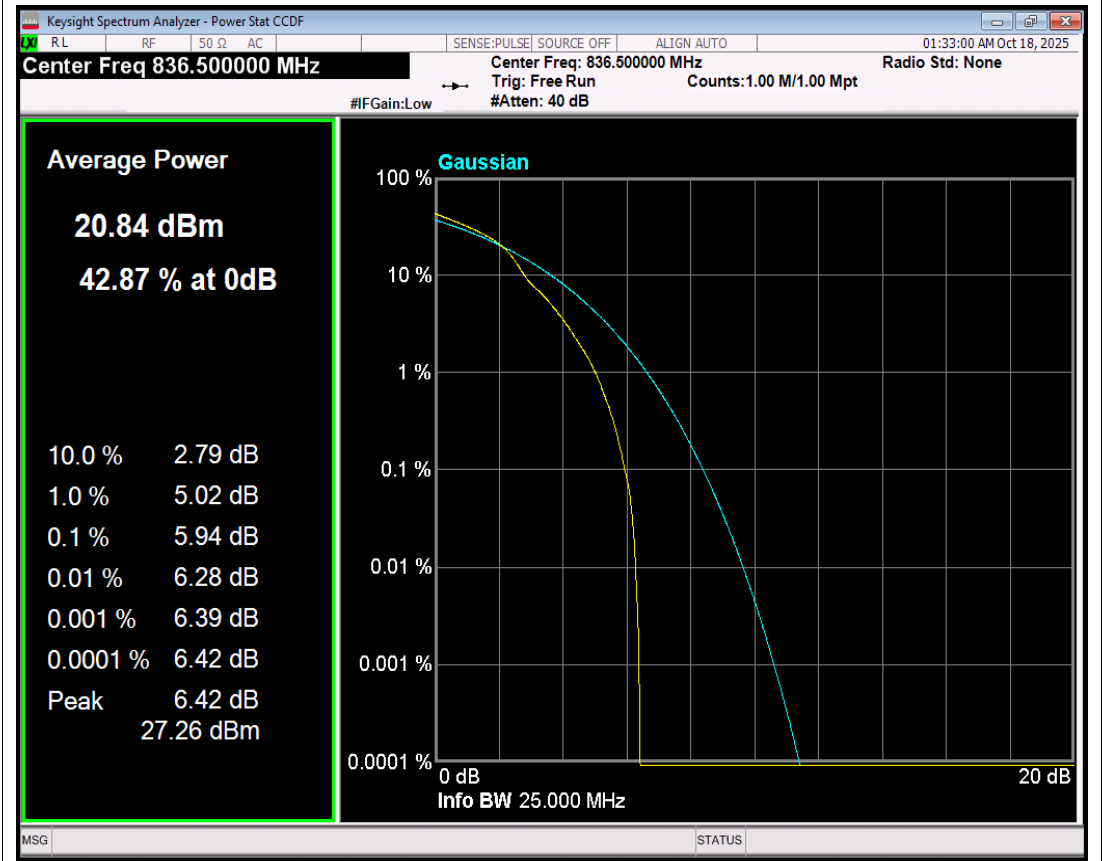
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0 NVNT



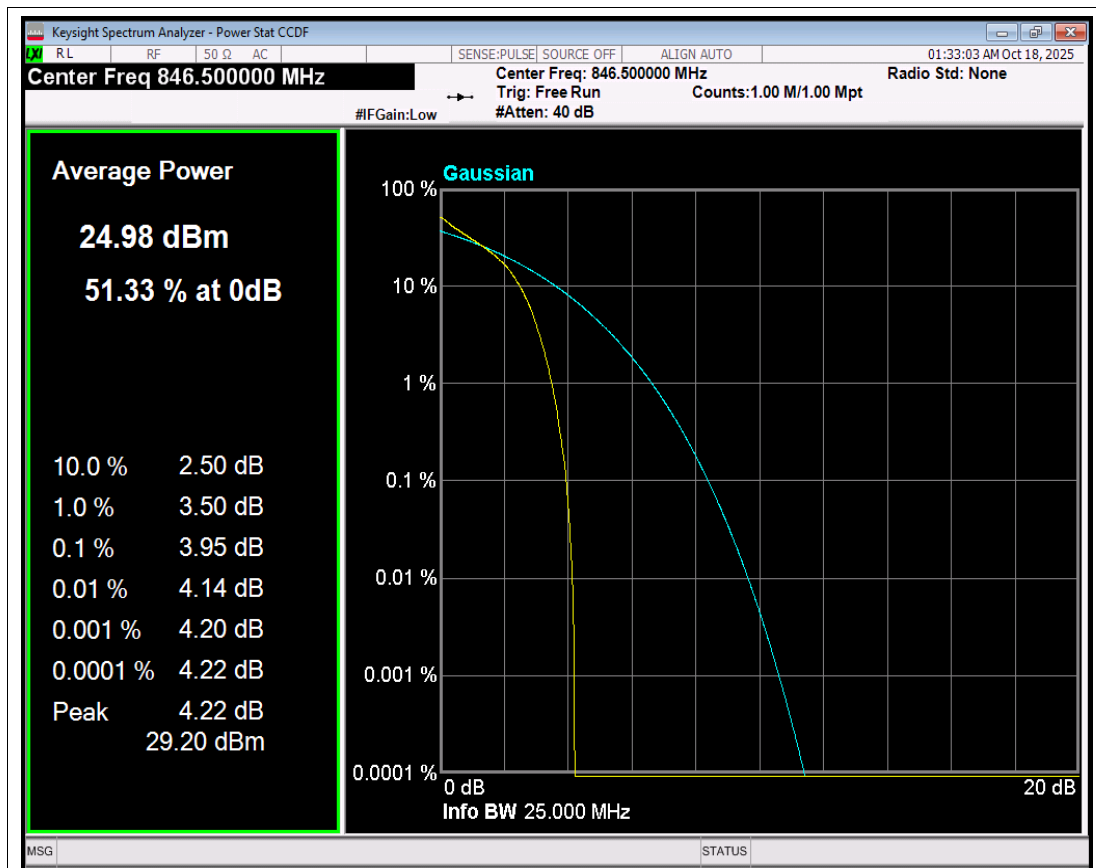
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0 NVNT



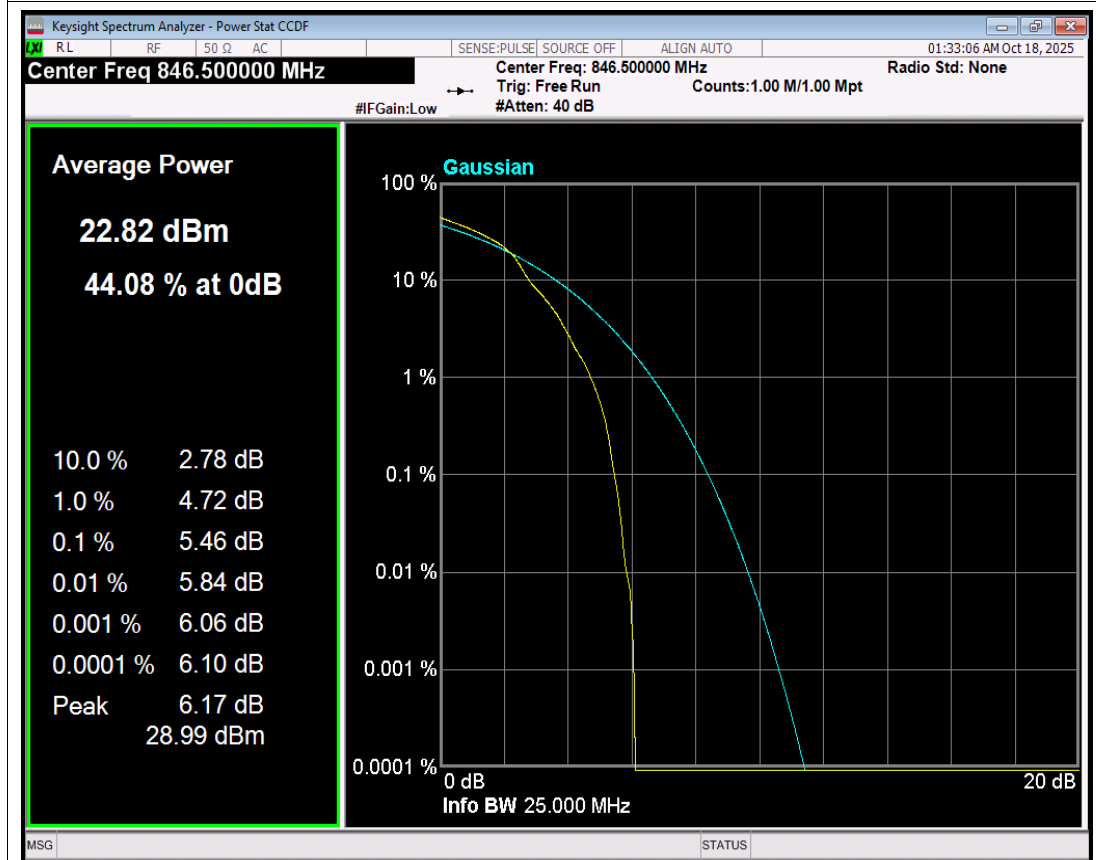
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT



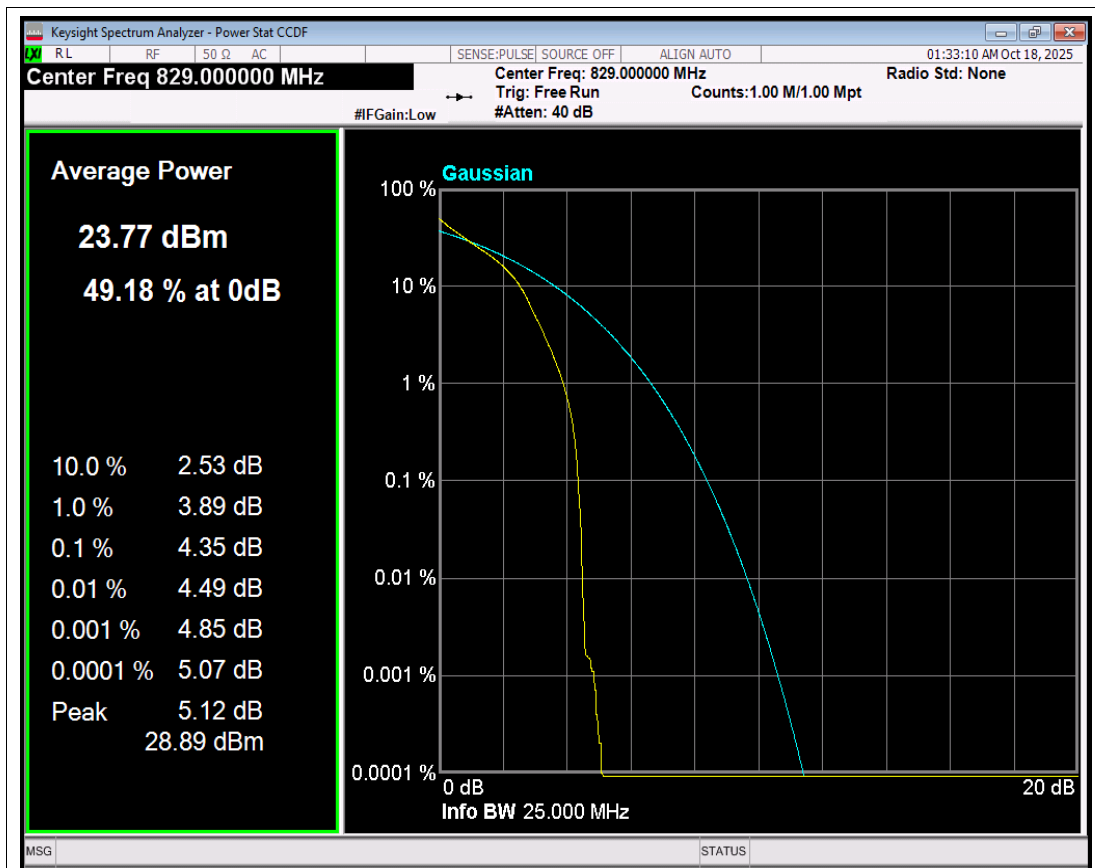
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT



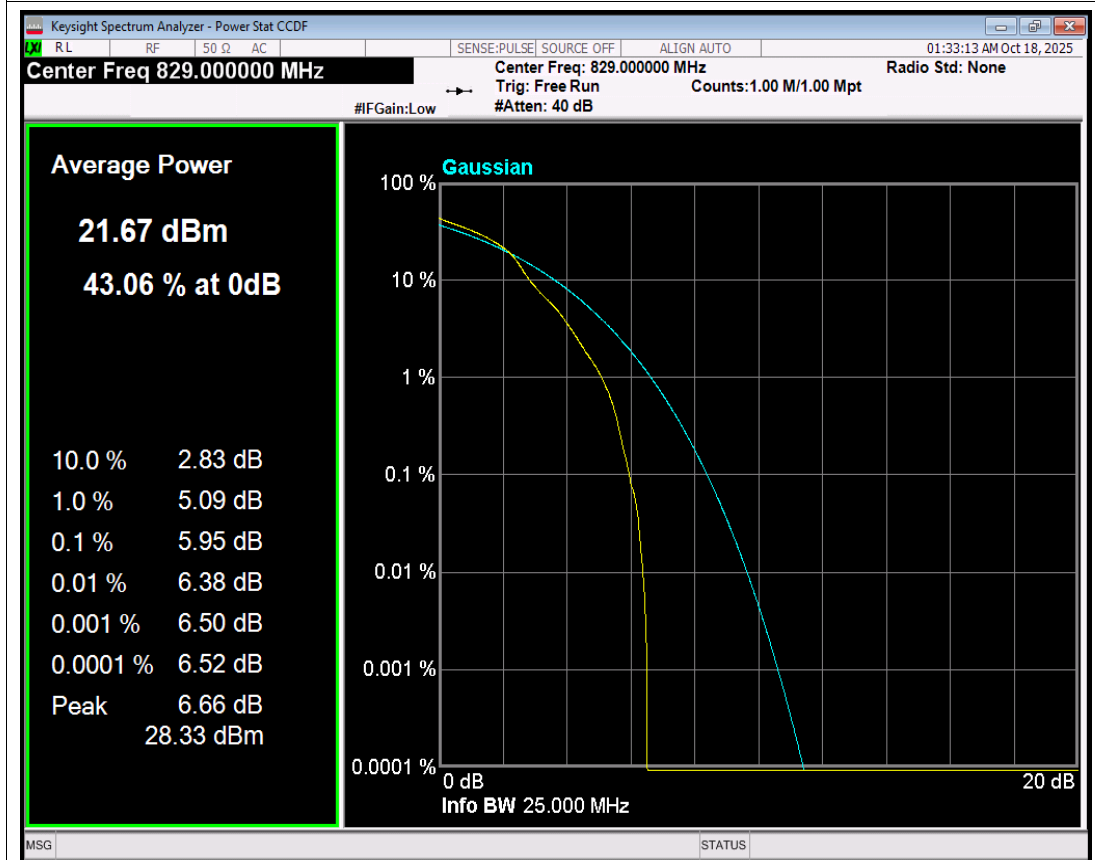
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0 NVNT



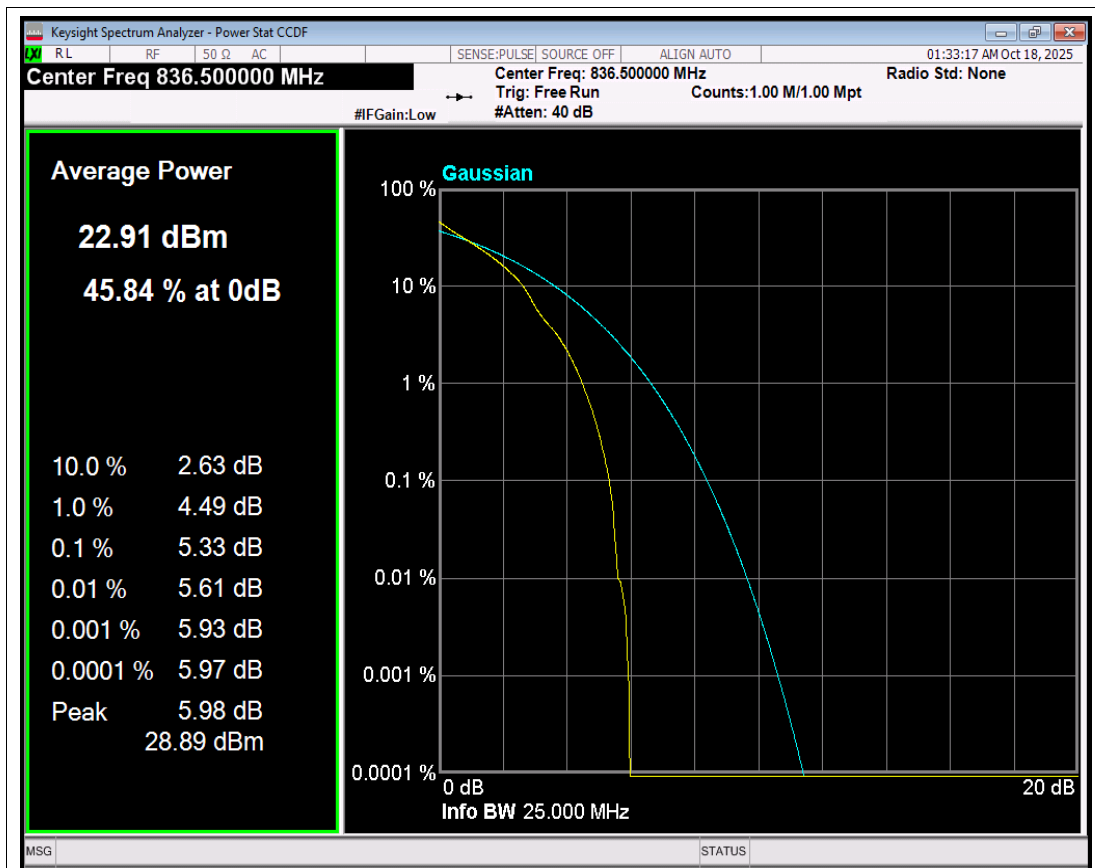
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0 NVNT



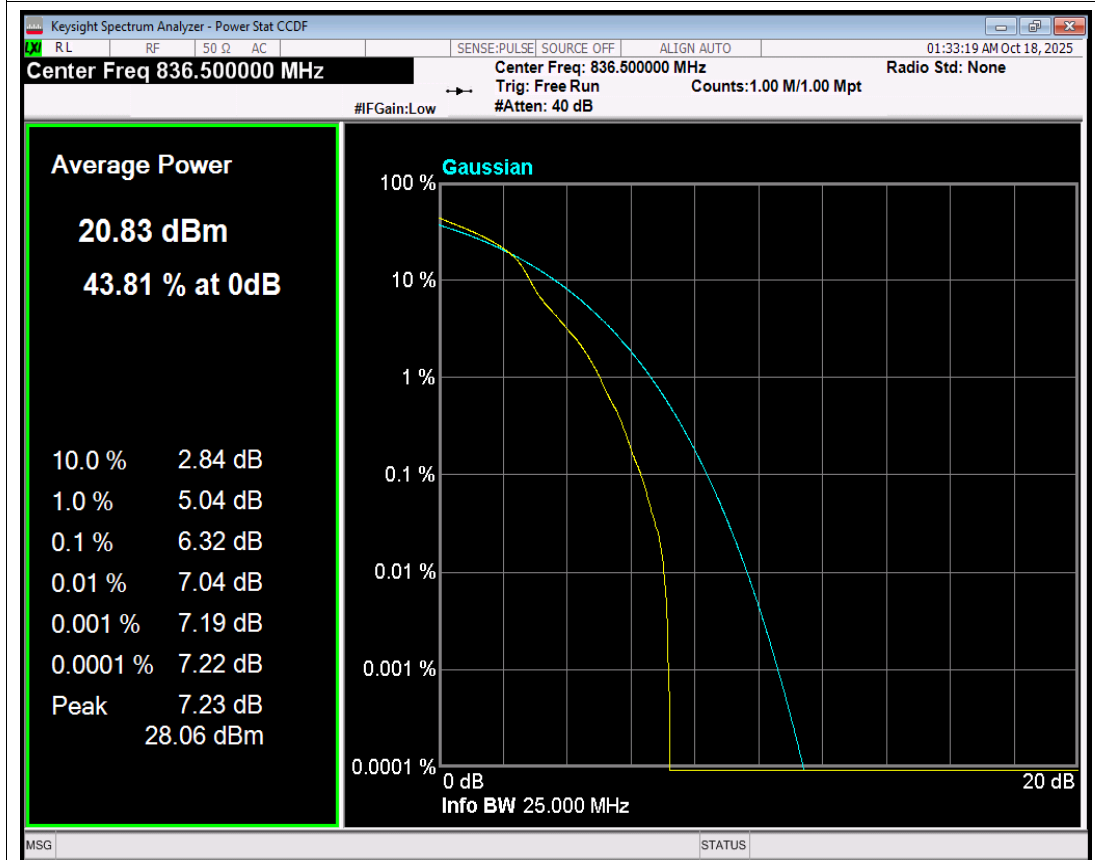
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



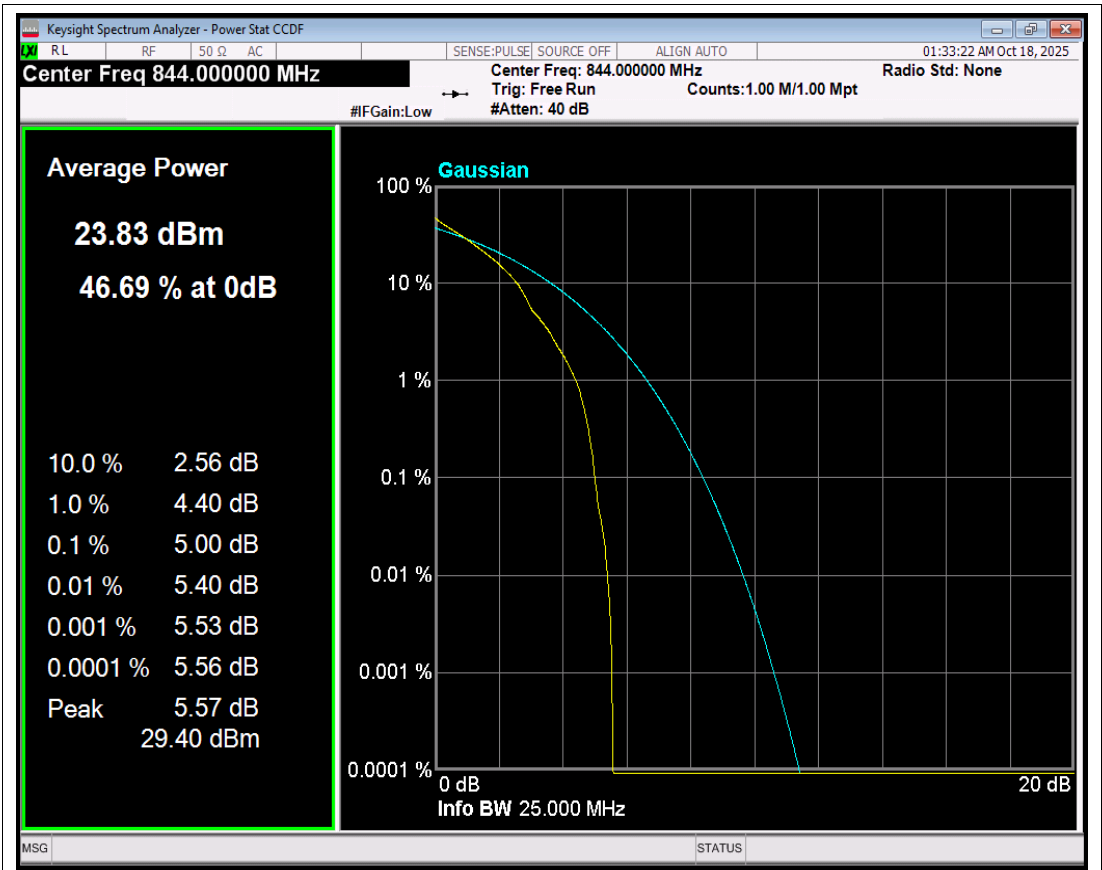
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



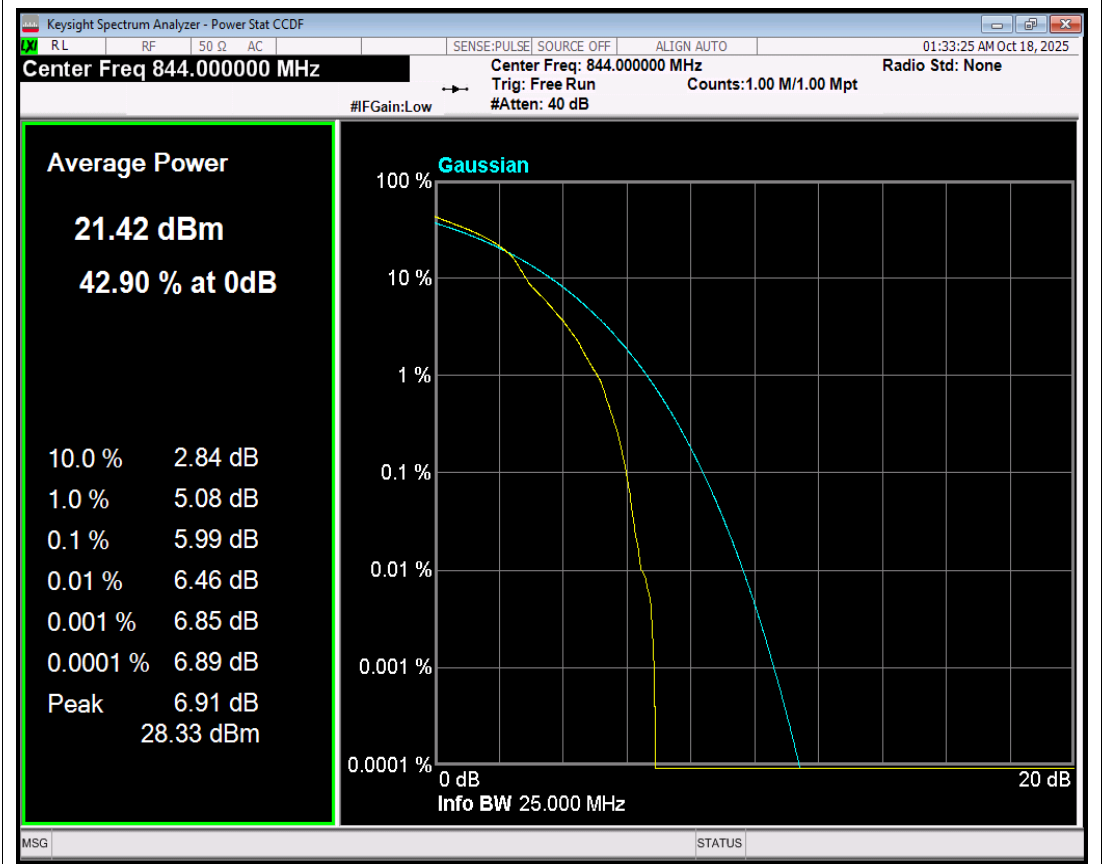
Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0 NVNT



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



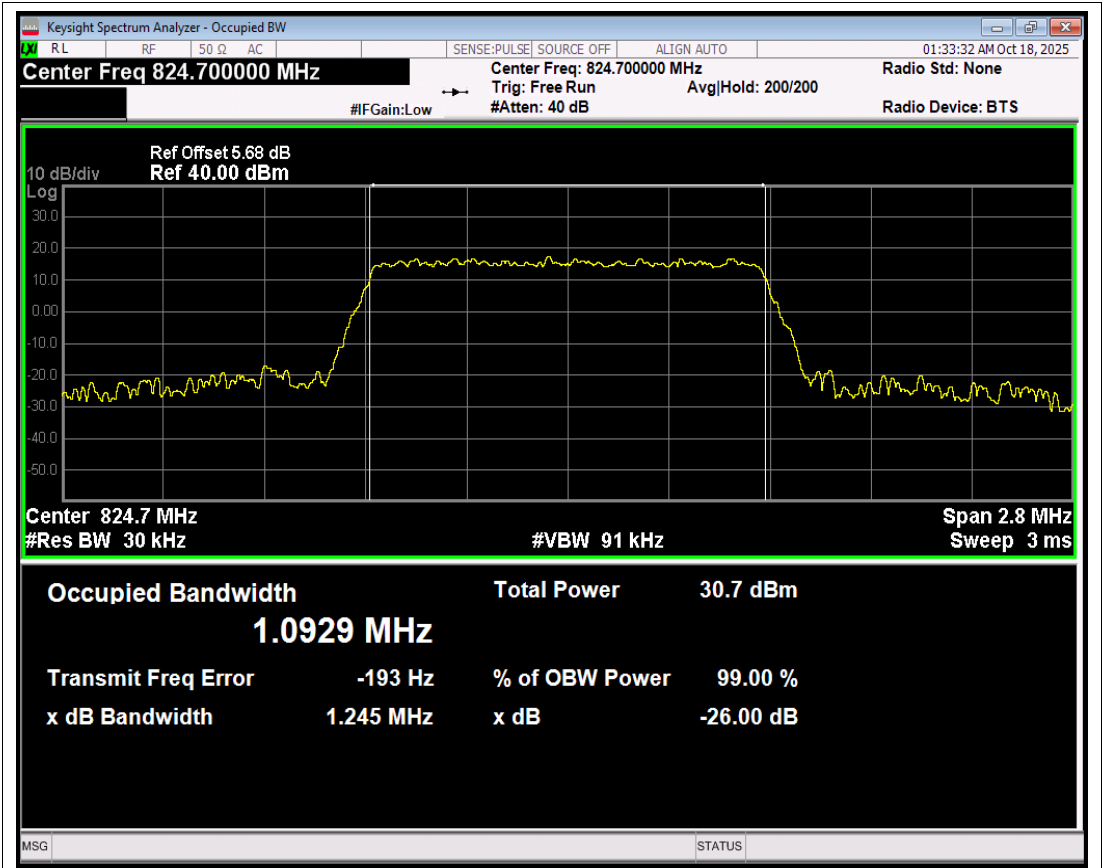
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0 NVNT



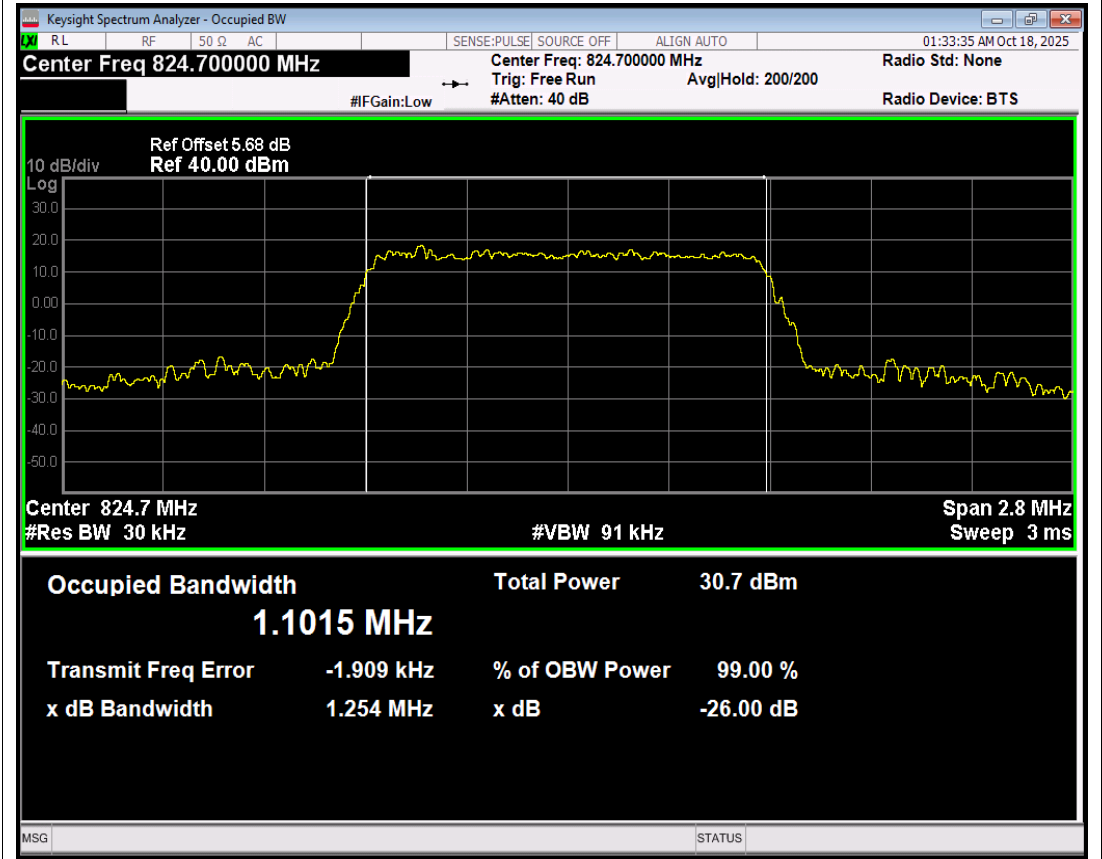
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0 NVNT

Appendix 4.Occupied bandwidth

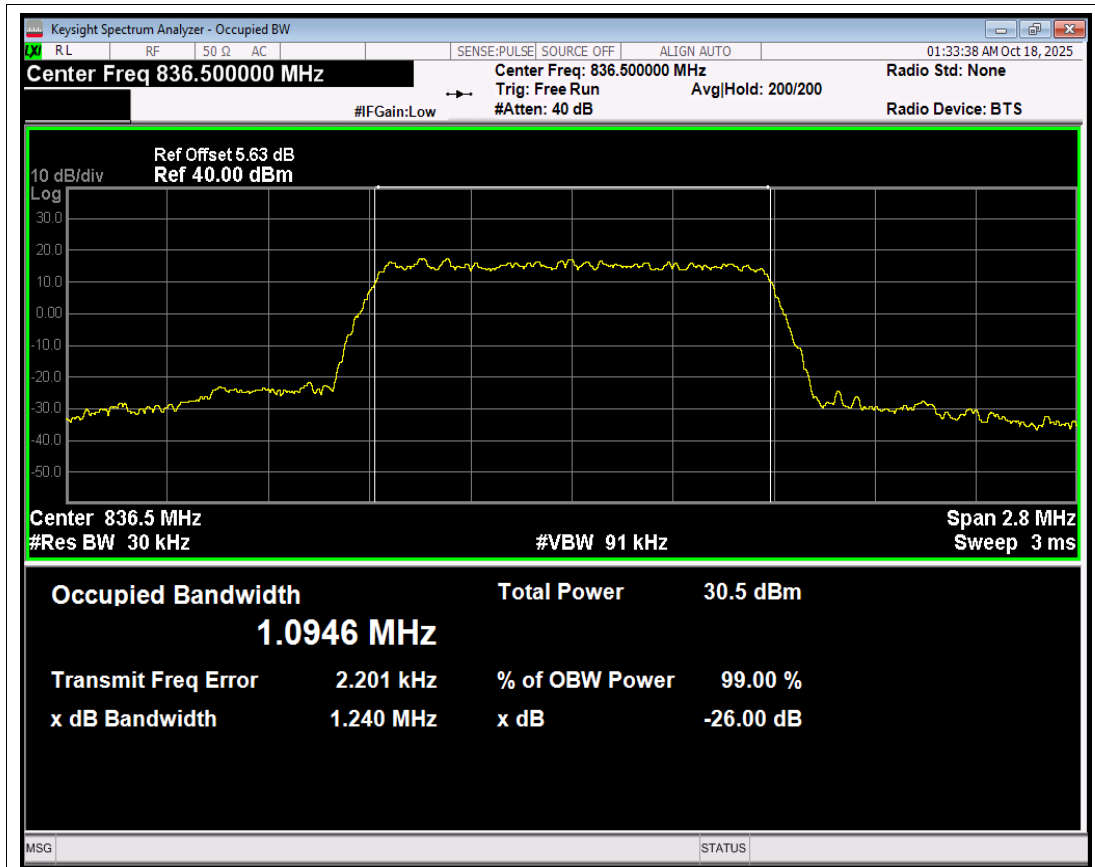
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	1.093	1.245	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	1.102	1.254	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	1.095	1.240	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	1.090	1.247	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	1.106	1.248	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	1.098	1.241	PASS
NVNT	Band5	3	20415	15	#0	QPSK	2.720	3.045	PASS
NVNT	Band5	3	20415	15	#0	16QAM	2.693	3.008	PASS
NVNT	Band5	3	20525	15	#0	QPSK	2.694	3.052	PASS
NVNT	Band5	3	20525	15	#0	16QAM	2.709	3.046	PASS
NVNT	Band5	3	20635	15	#0	QPSK	2.719	3.047	PASS
NVNT	Band5	3	20635	15	#0	16QAM	2.710	3.079	PASS
NVNT	Band5	5	20425	25	#0	QPSK	4.523	4.969	PASS
NVNT	Band5	5	20425	25	#0	16QAM	4.512	4.959	PASS
NVNT	Band5	5	20525	25	#0	QPSK	4.515	4.907	PASS
NVNT	Band5	5	20525	25	#0	16QAM	4.514	4.963	PASS
NVNT	Band5	5	20625	25	#0	QPSK	4.502	4.989	PASS
NVNT	Band5	5	20625	25	#0	16QAM	4.528	4.978	PASS
NVNT	Band5	10	20450	50	#0	QPSK	9.006	9.826	PASS
NVNT	Band5	10	20450	50	#0	16QAM	9.011	9.833	PASS
NVNT	Band5	10	20525	50	#0	QPSK	8.995	9.759	PASS
NVNT	Band5	10	20525	50	#0	16QAM	8.970	9.795	PASS
NVNT	Band5	10	20600	50	#0	QPSK	8.982	9.895	PASS
NVNT	Band5	10	20600	50	#0	16QAM	8.984	9.917	PASS



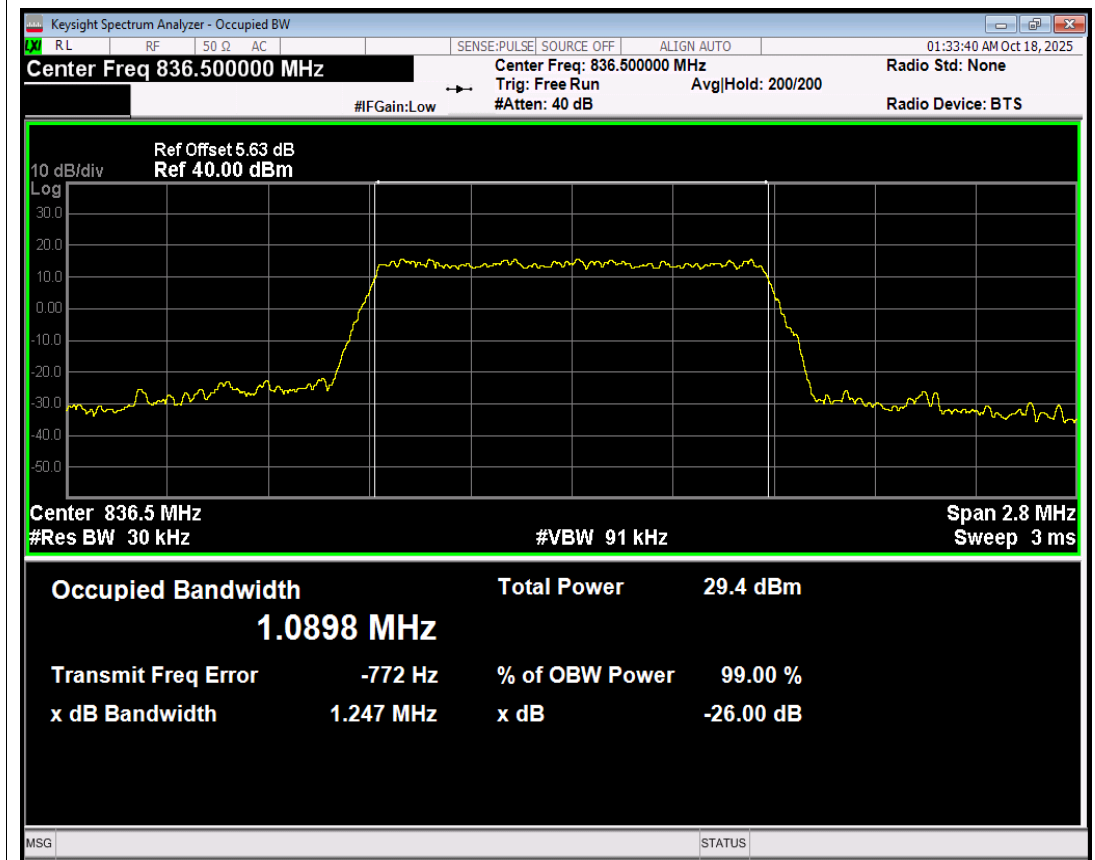
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



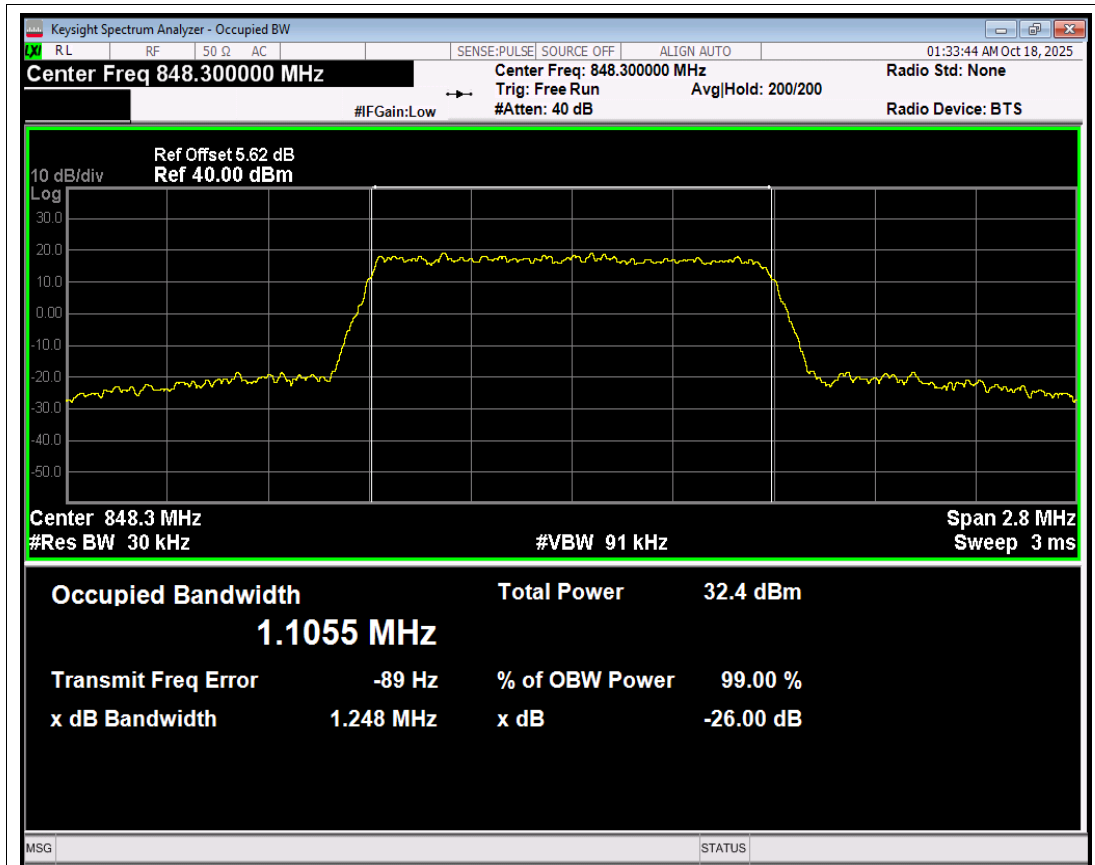
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



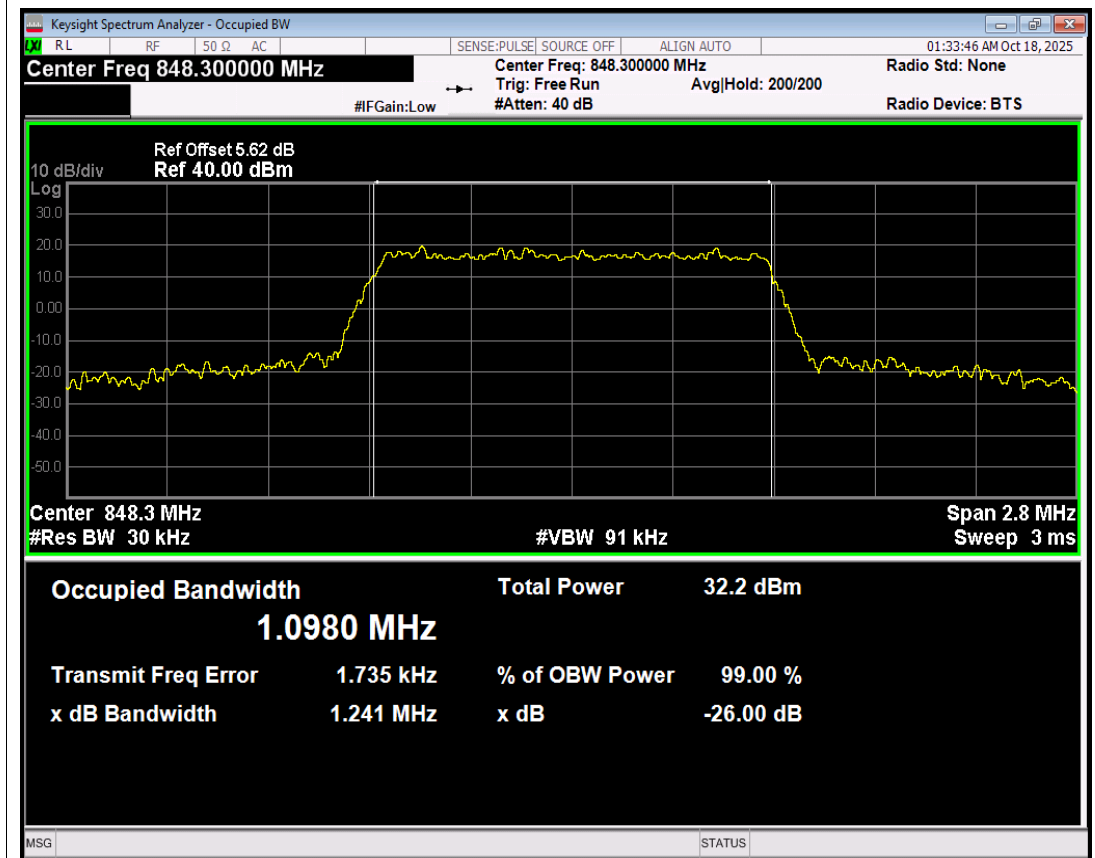
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



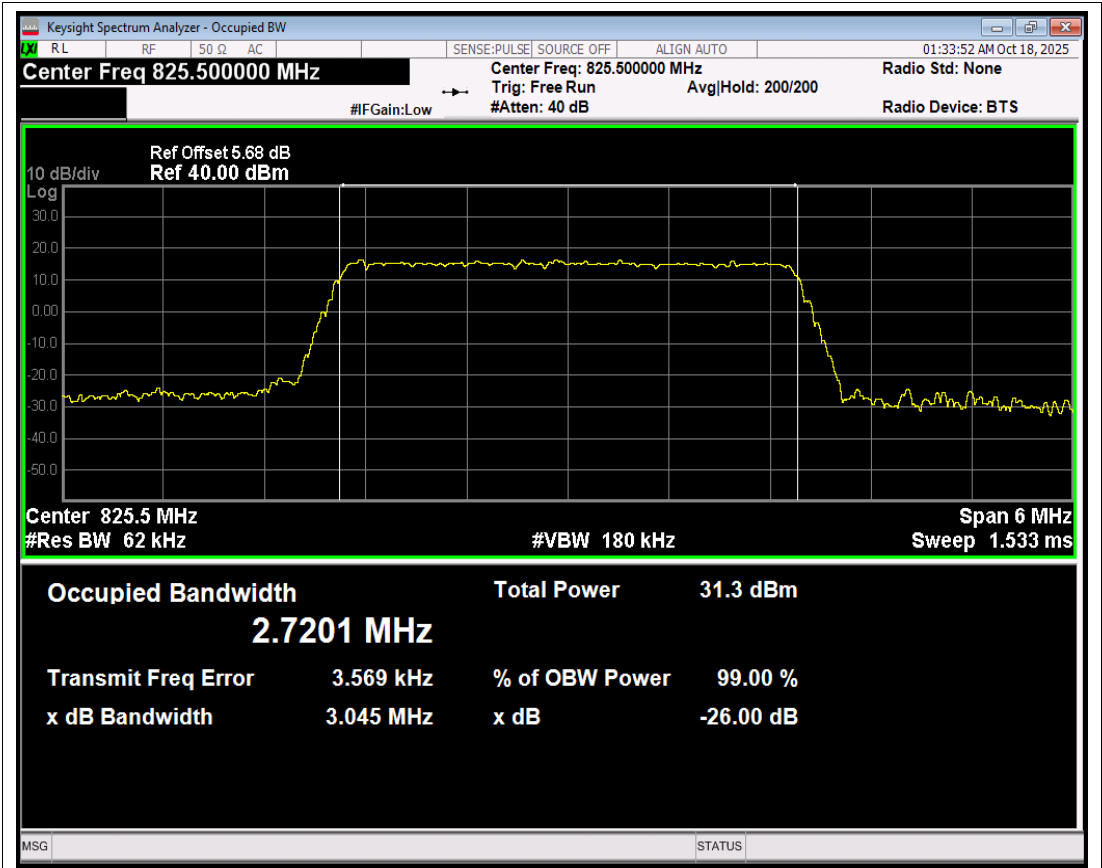
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



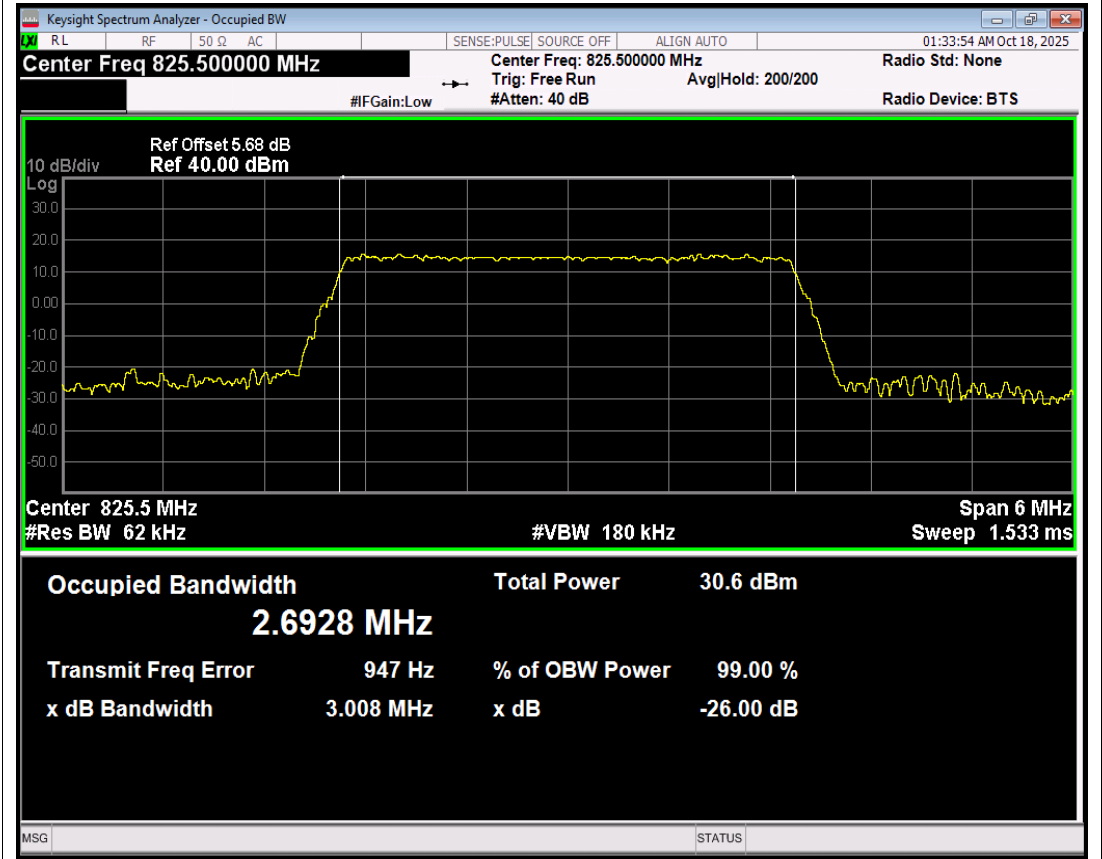
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



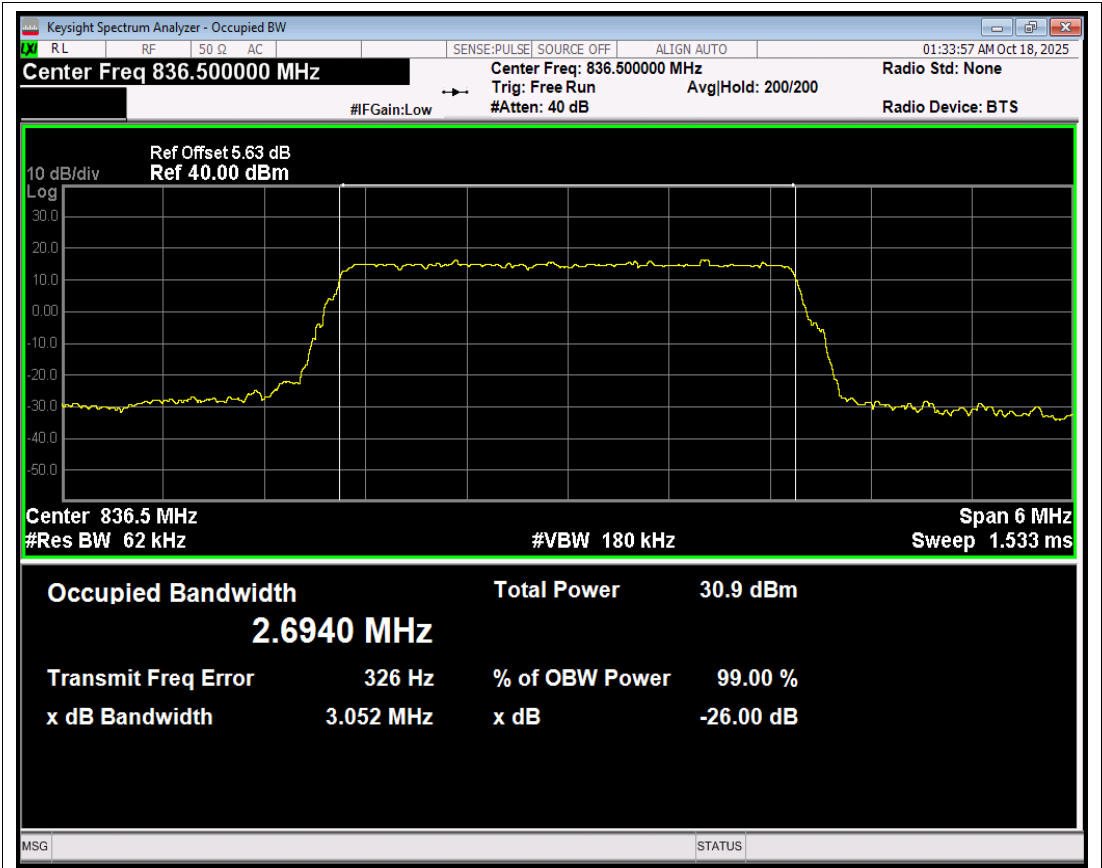
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



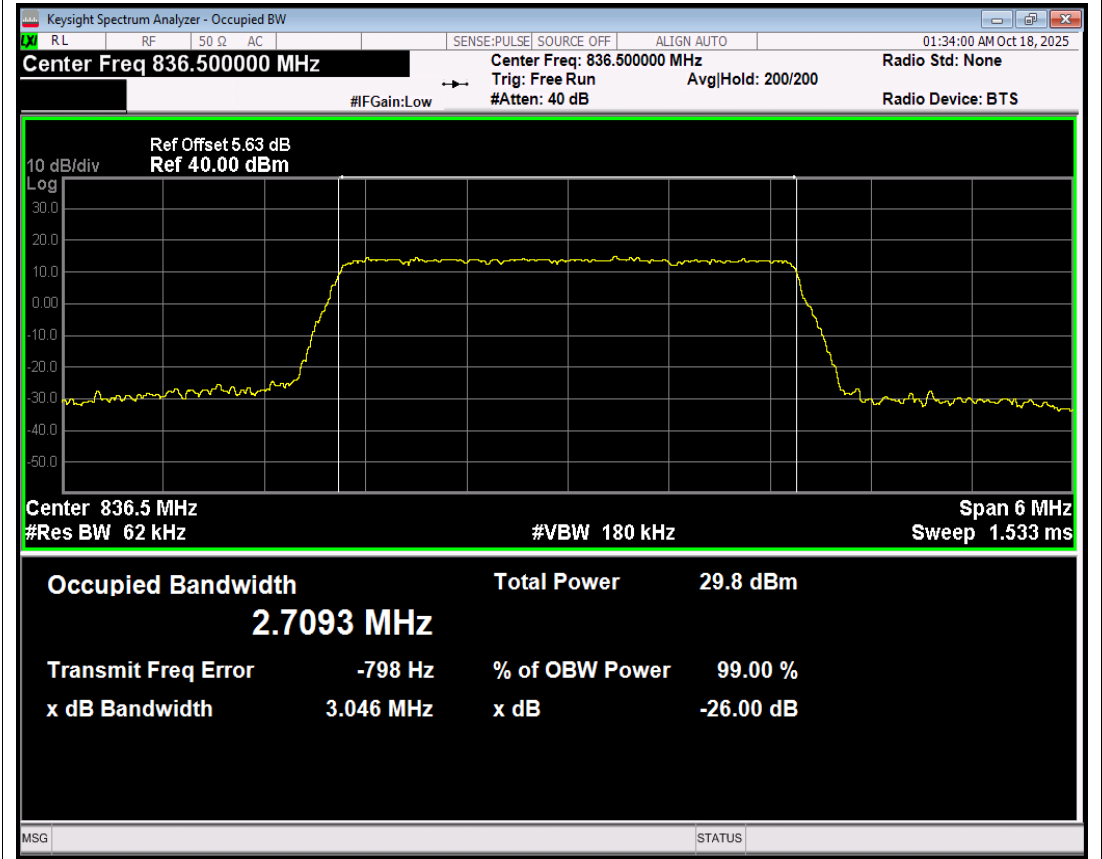
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



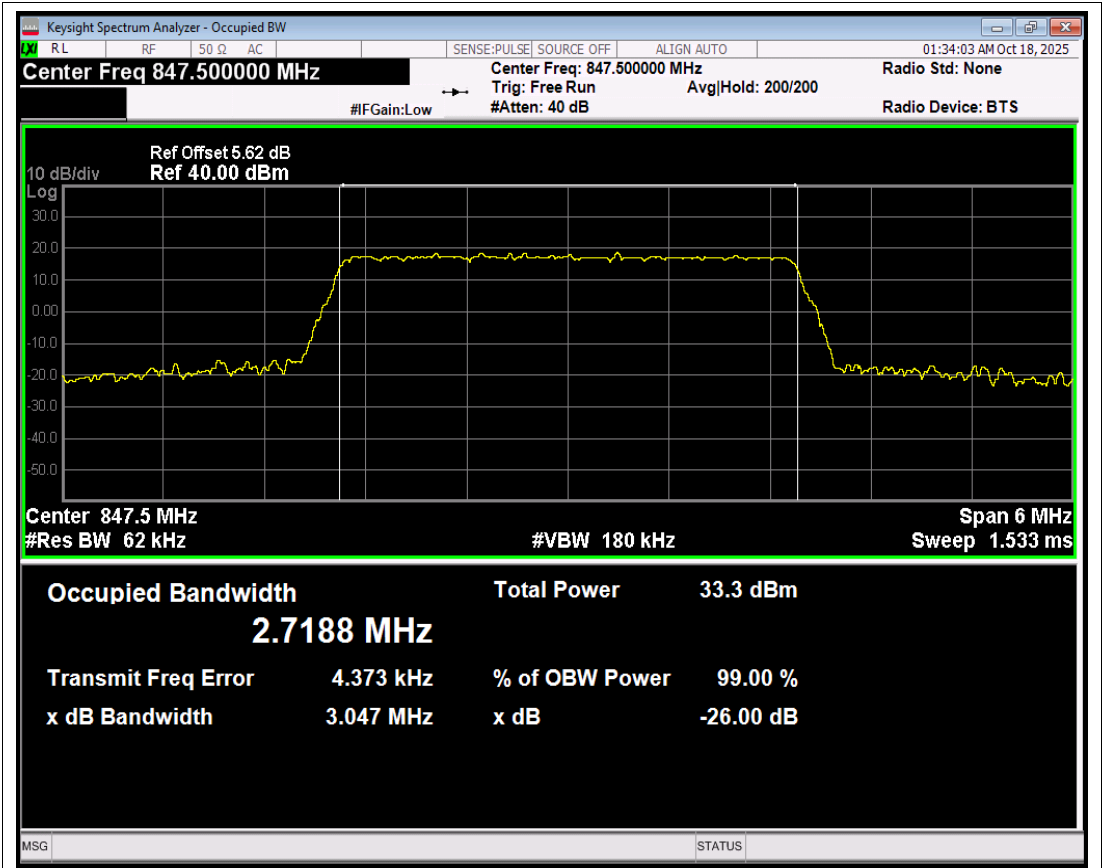
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



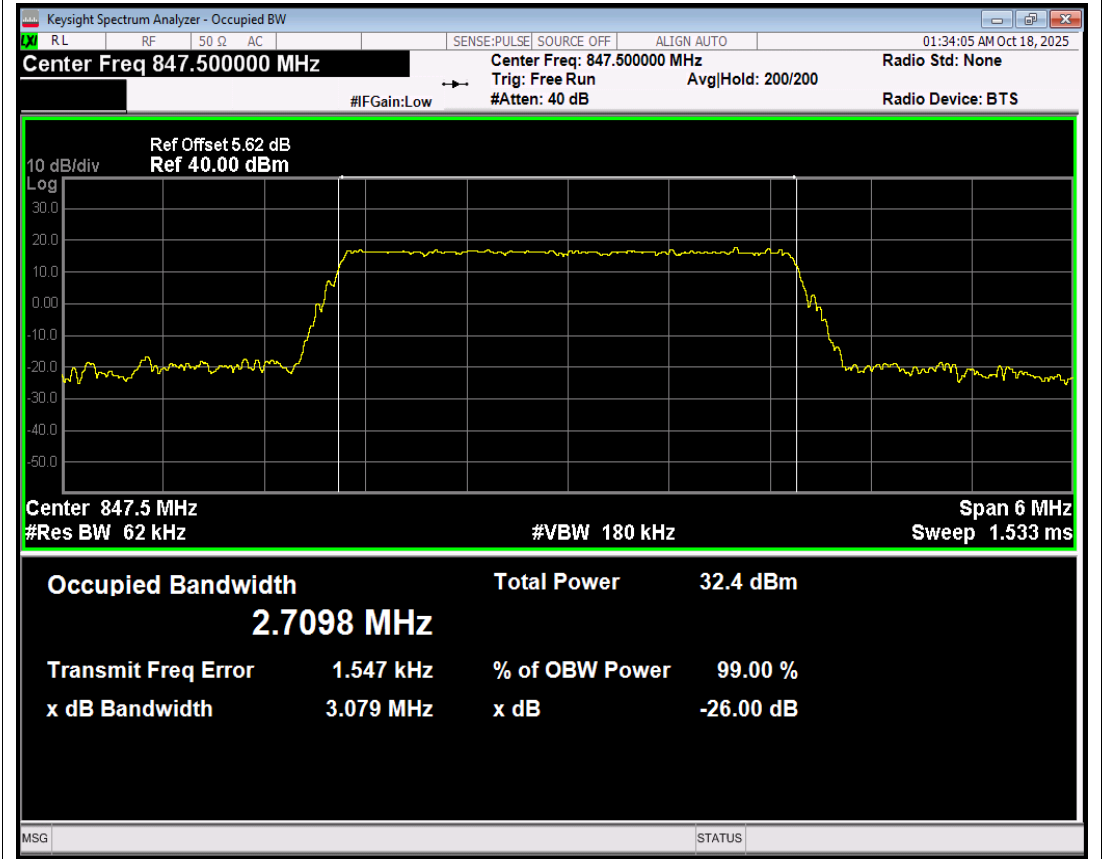
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



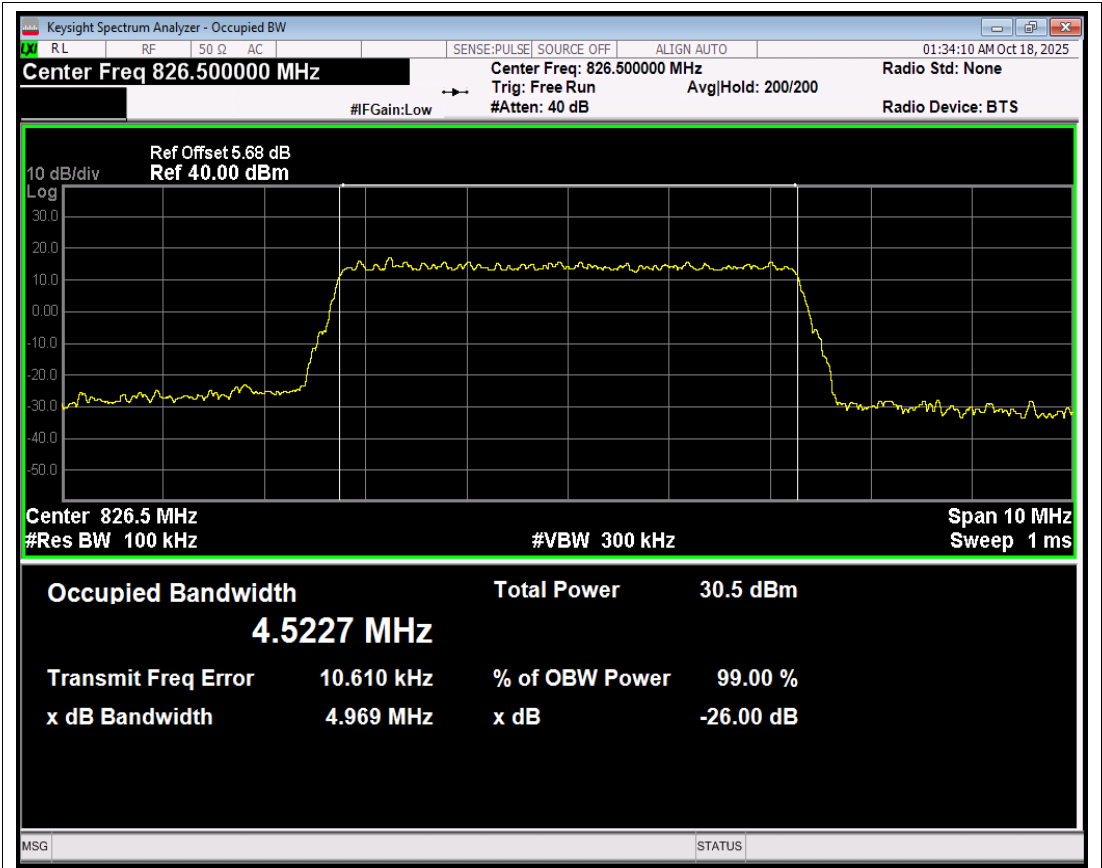
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



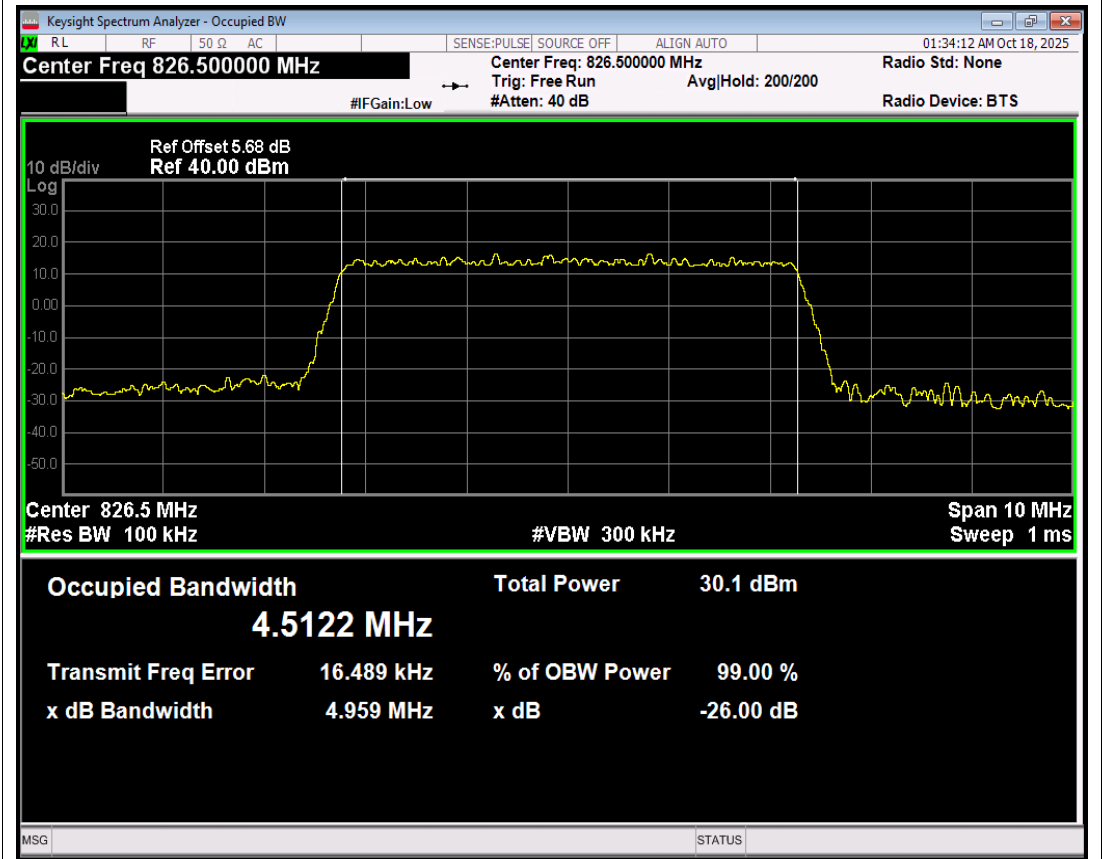
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



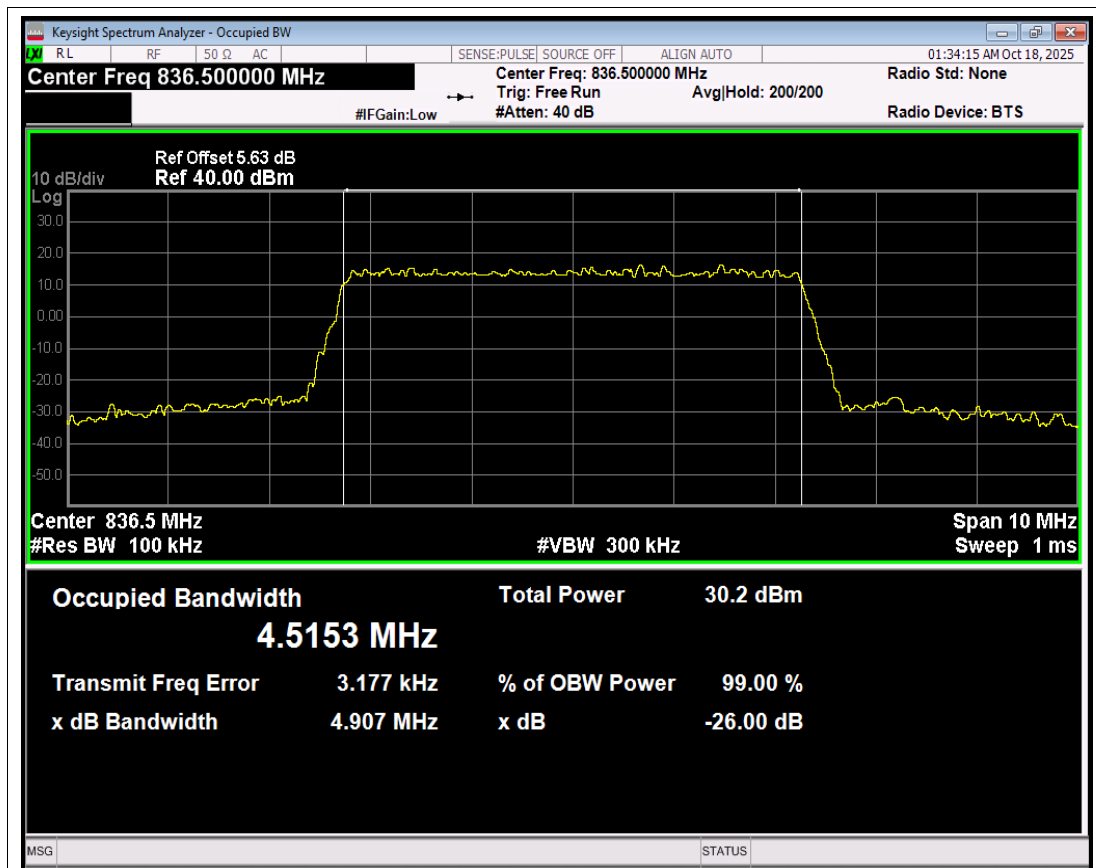
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



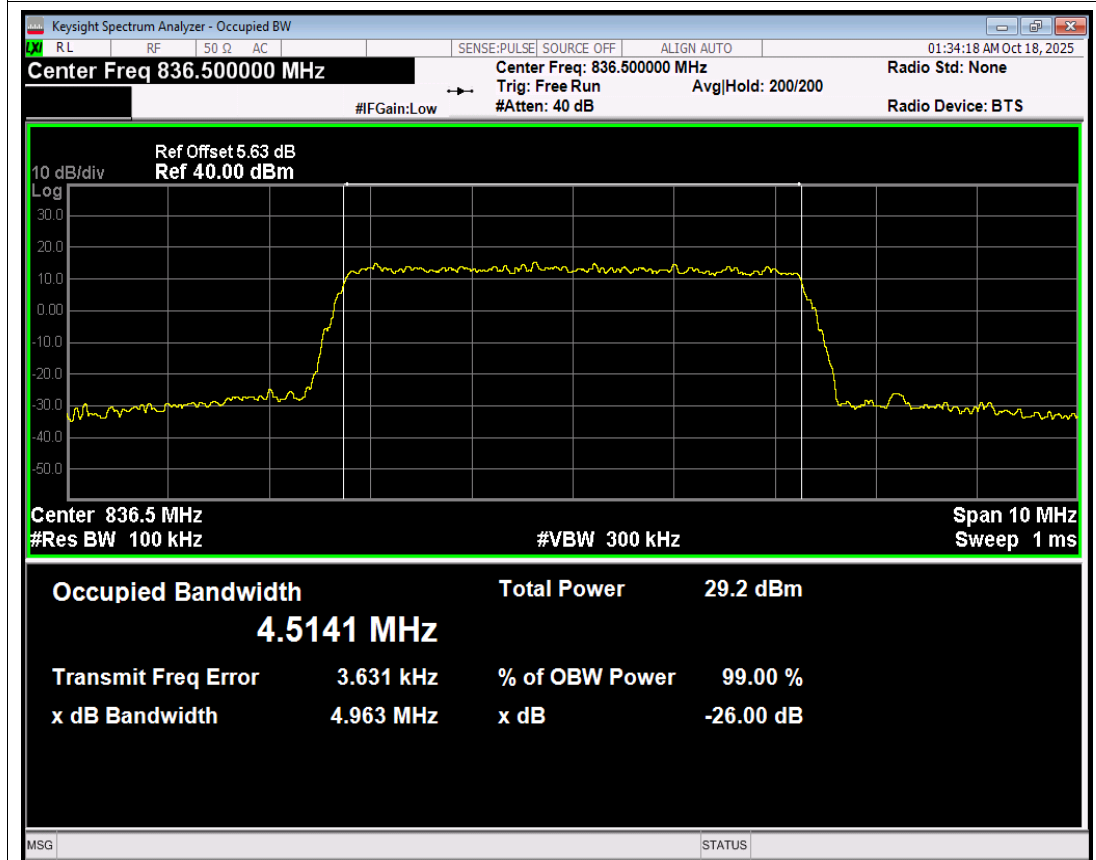
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



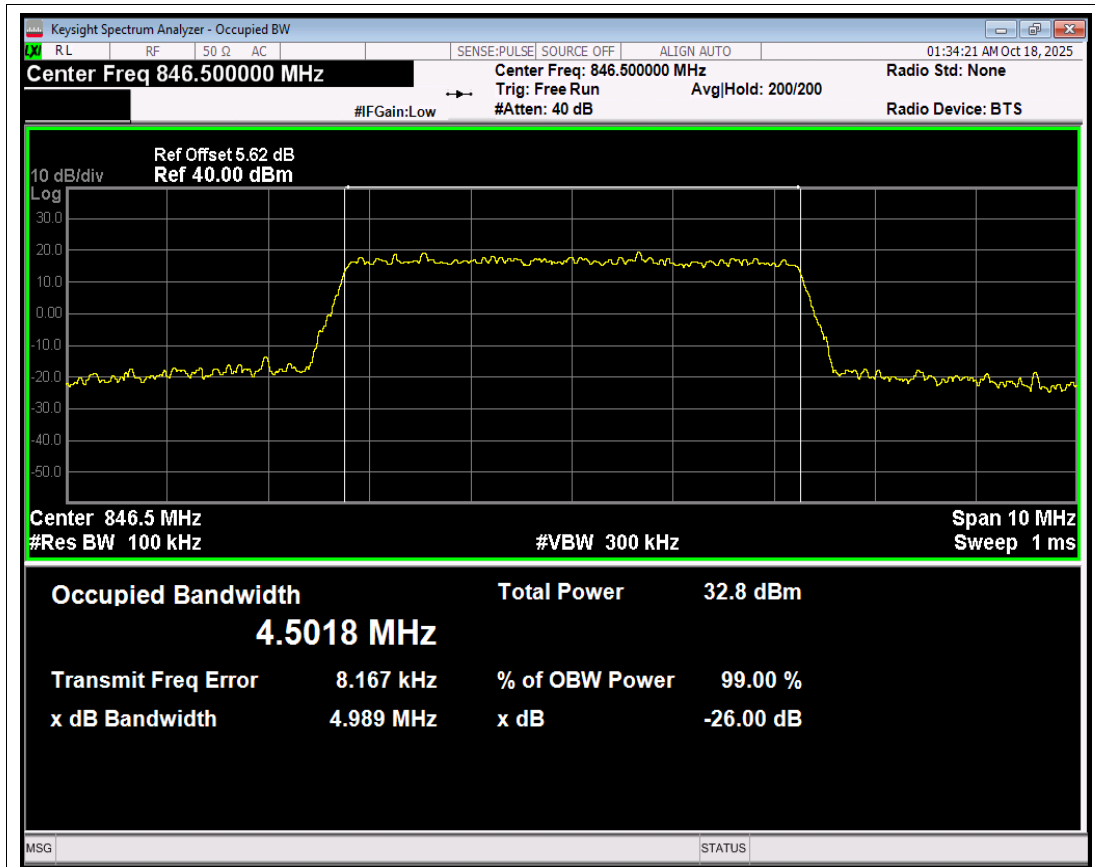
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



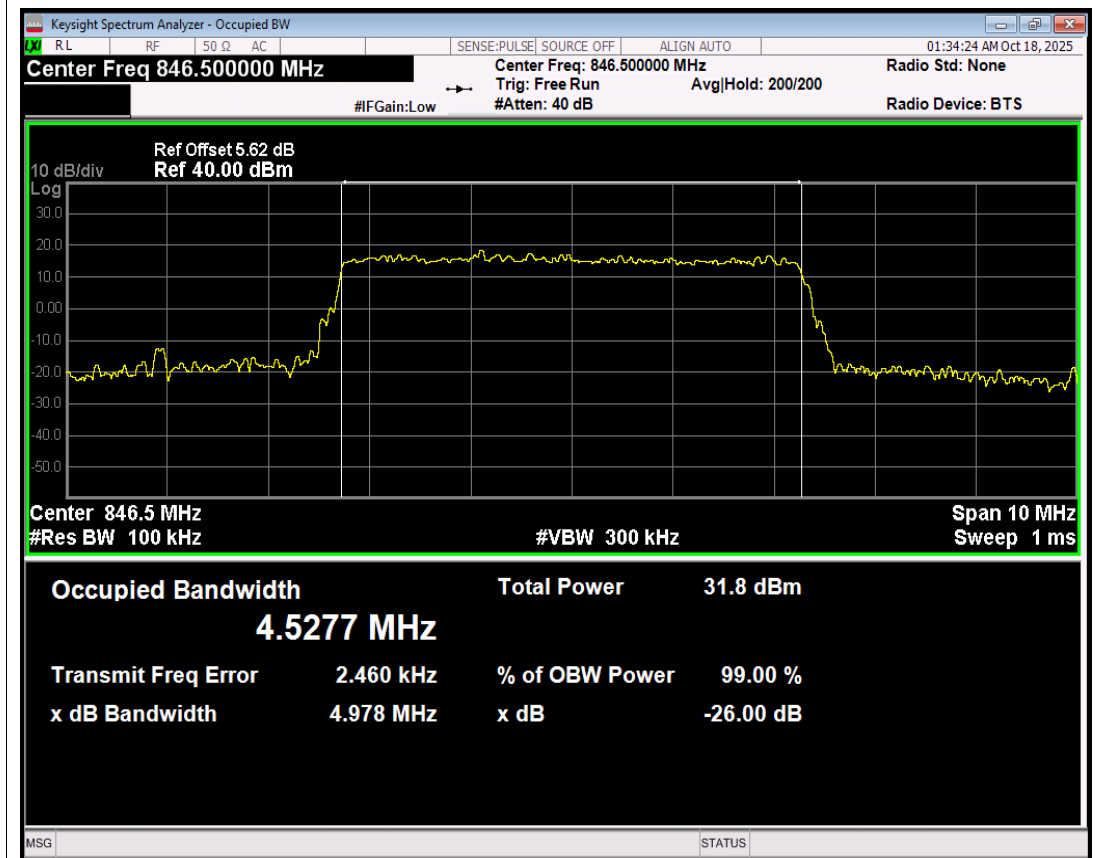
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



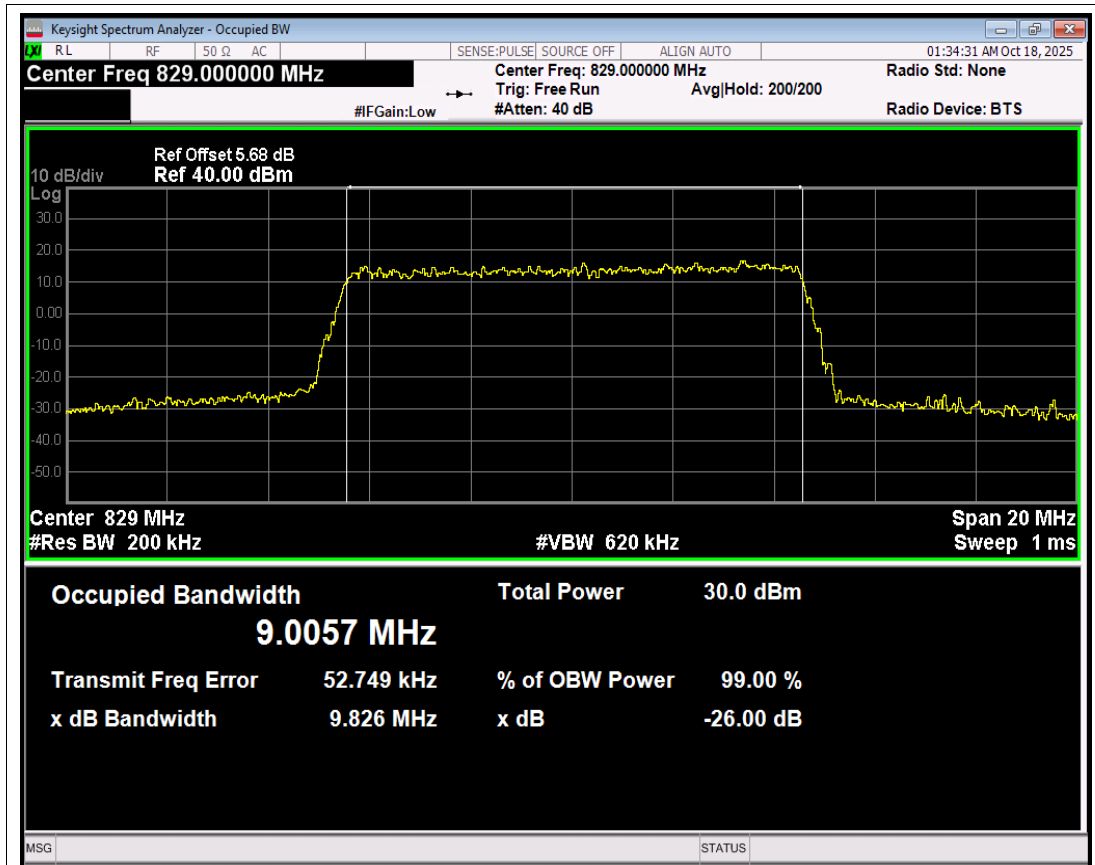
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



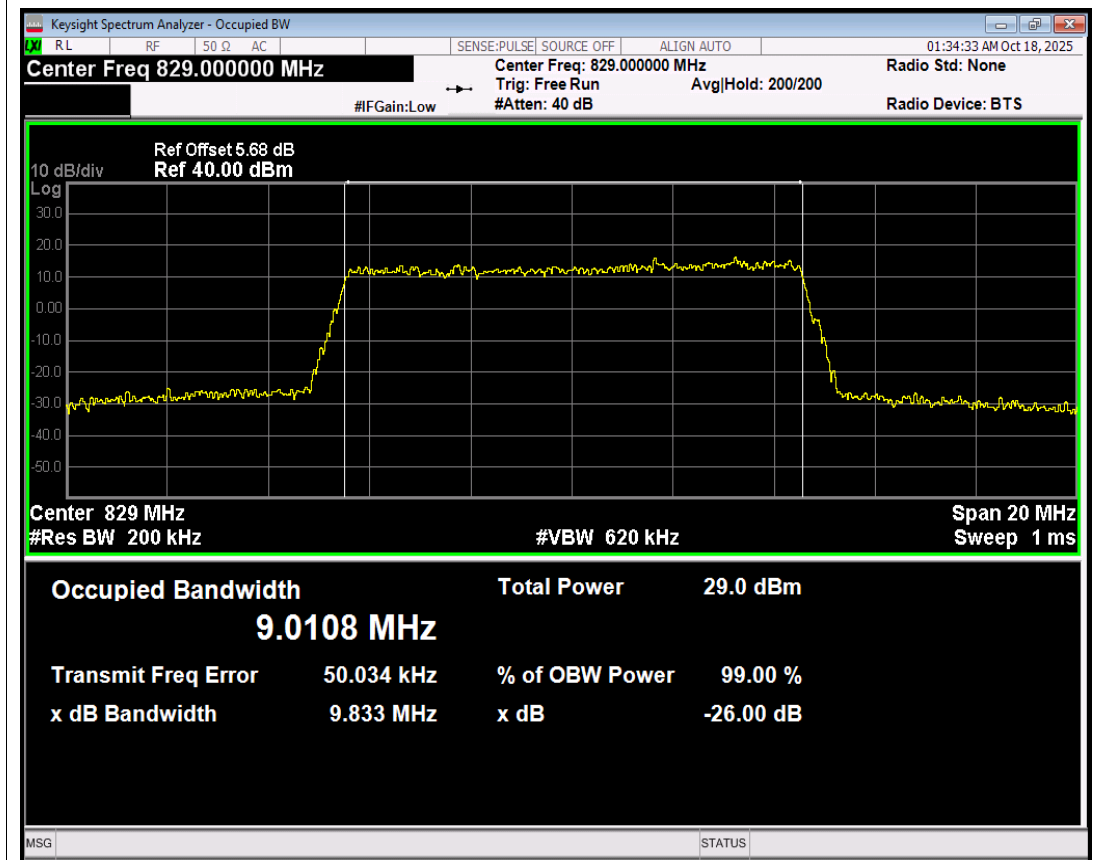
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



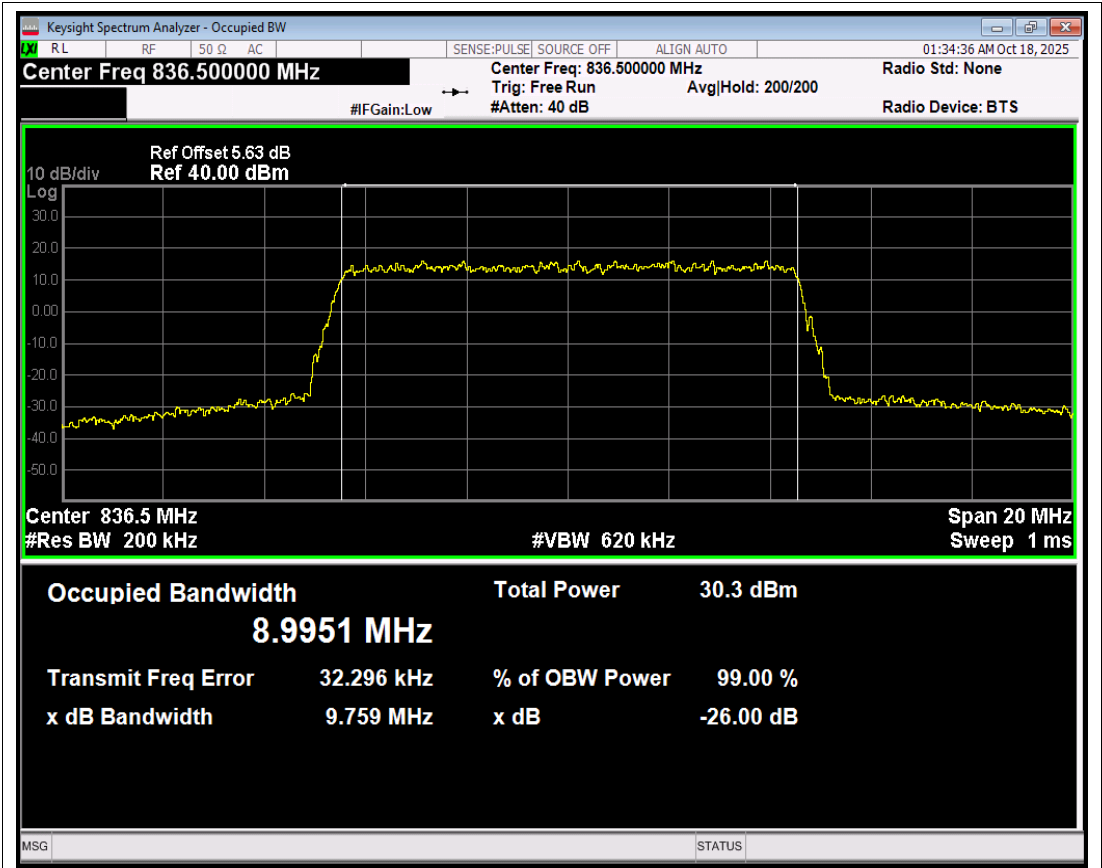
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



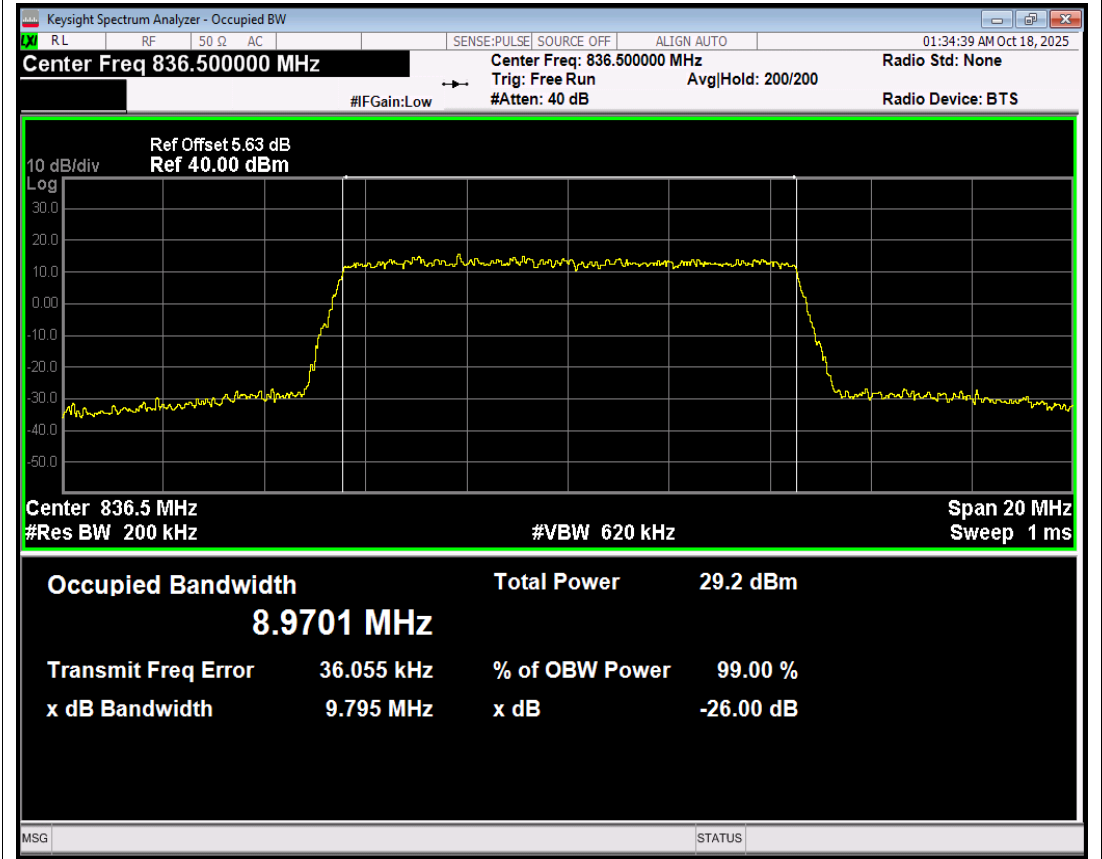
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



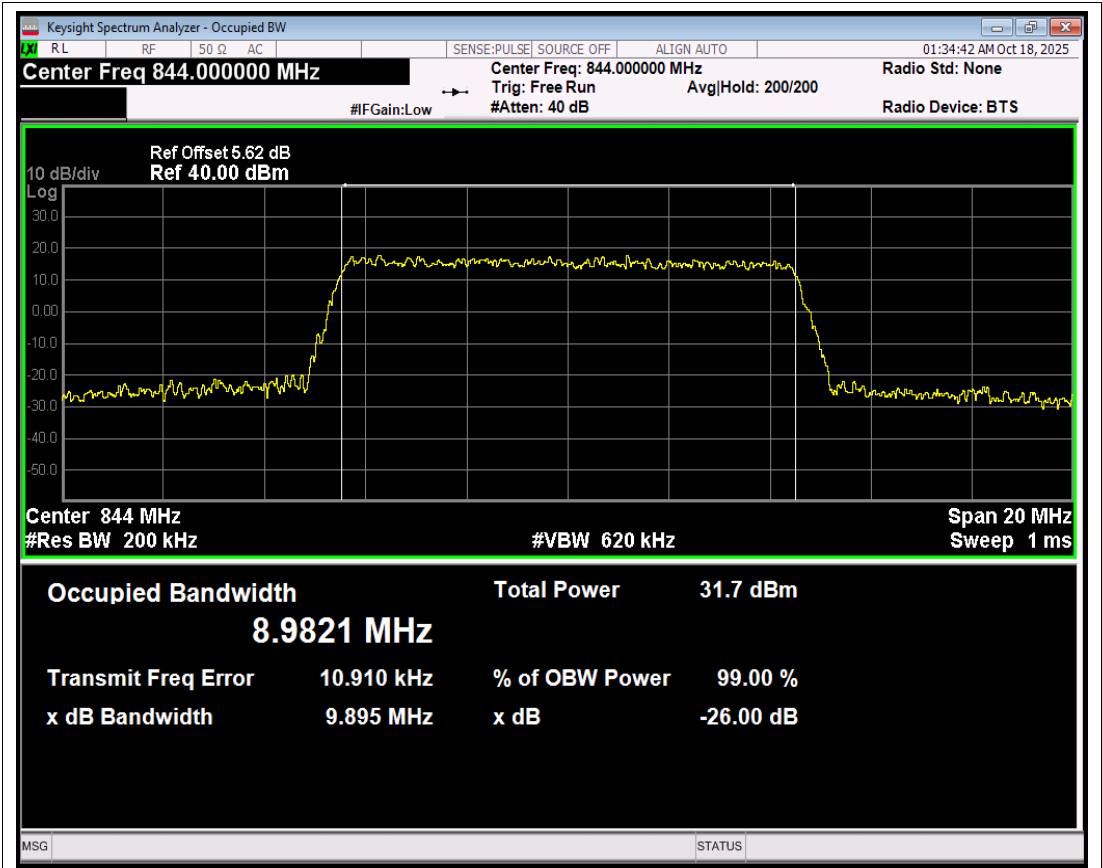
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



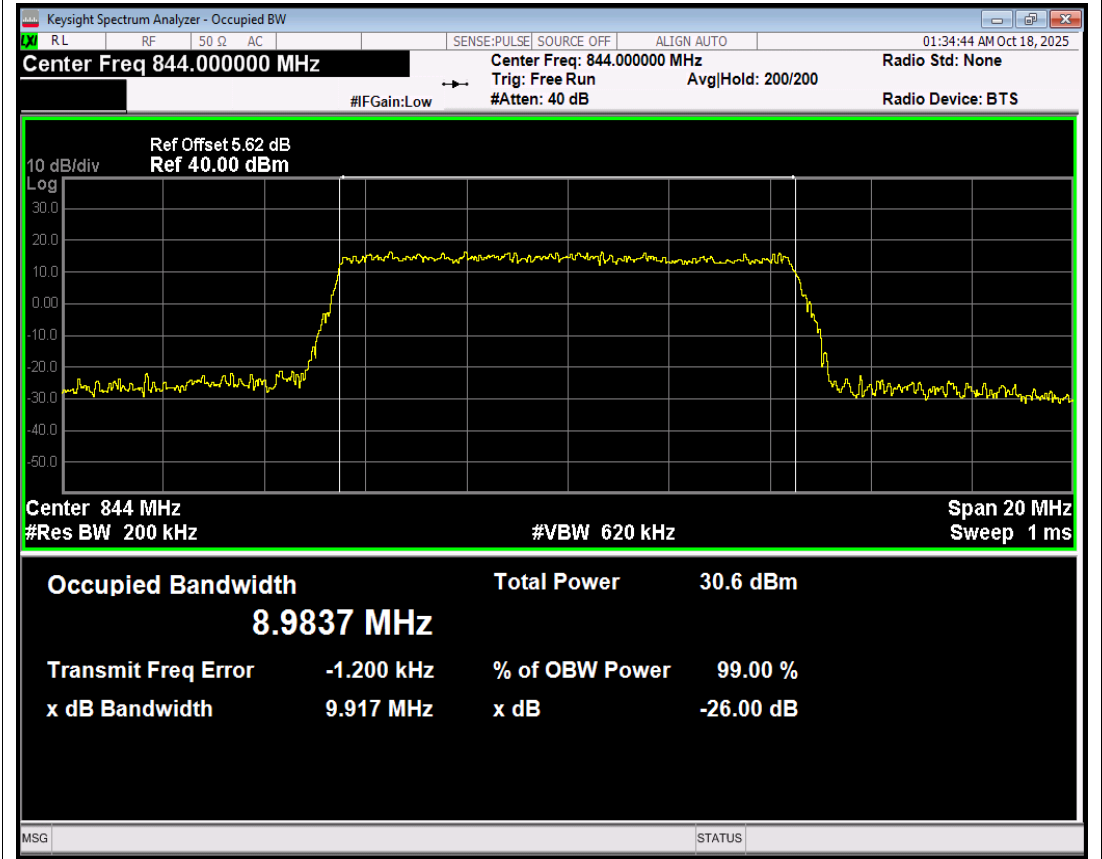
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



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



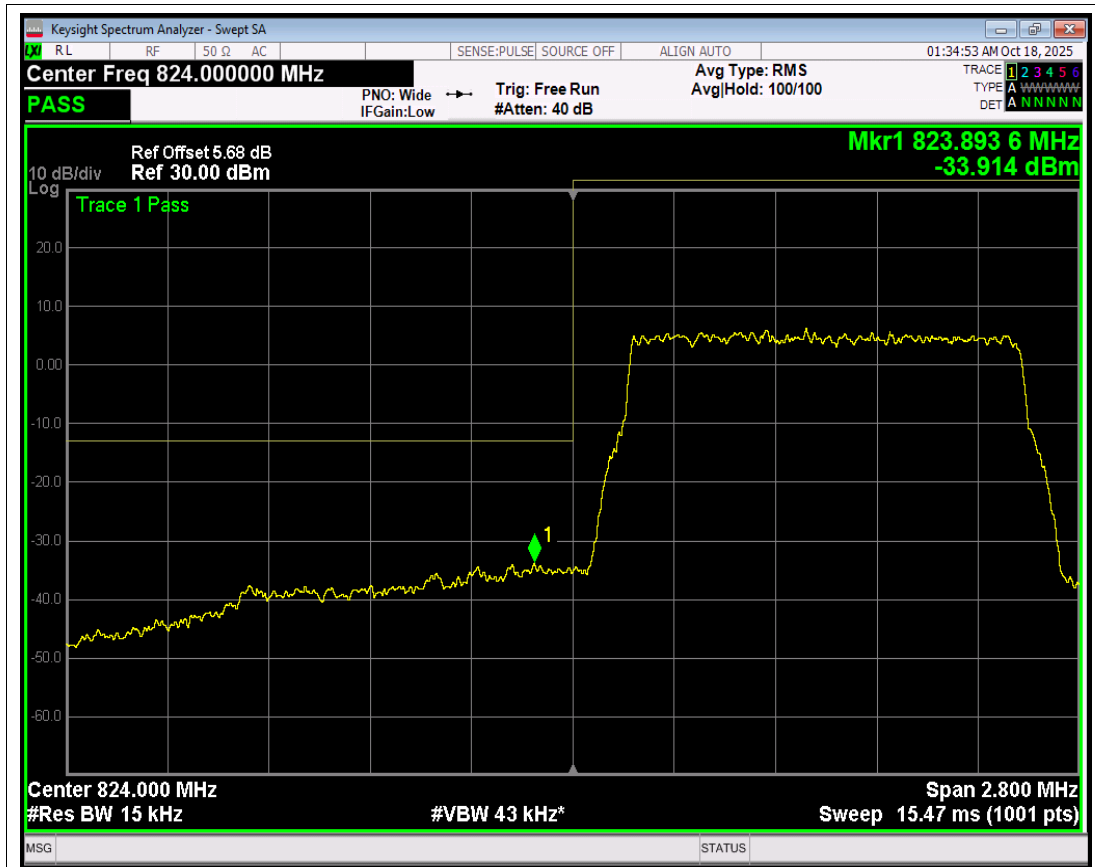
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



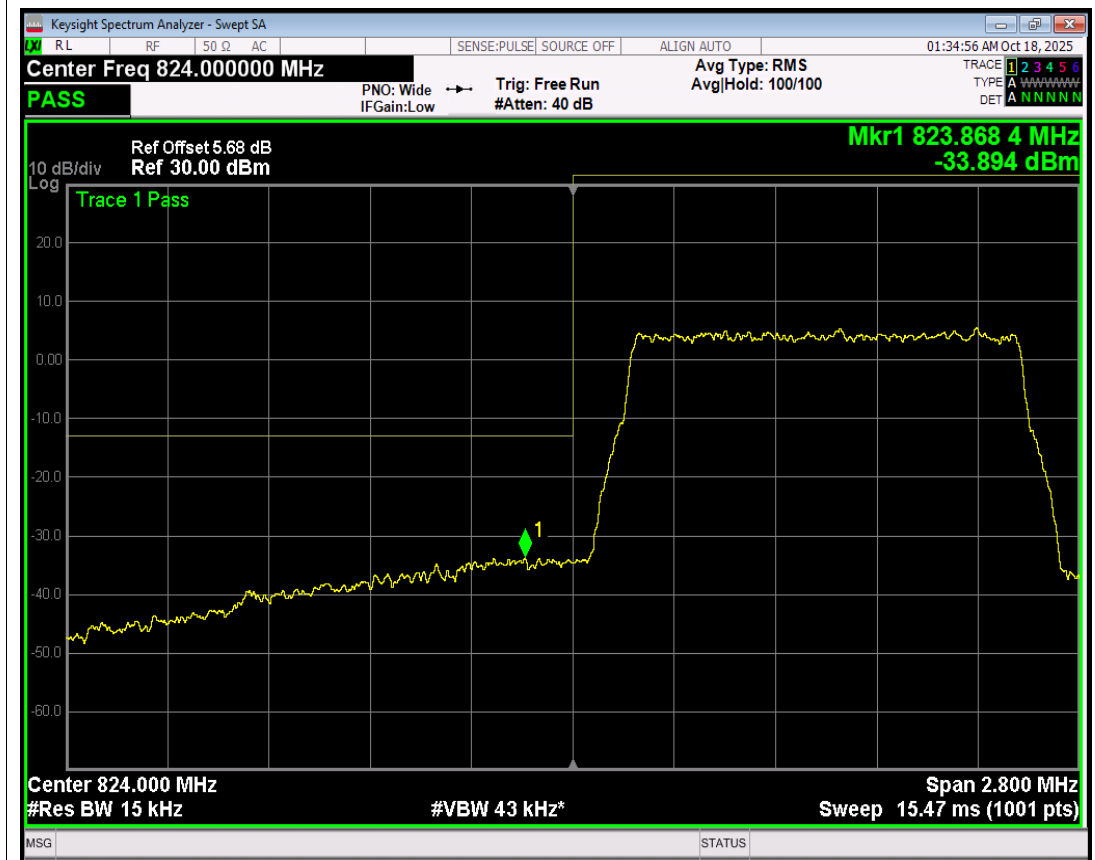
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT

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	823.89	-33.91	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	823.87	-33.89	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	849.06	-31.22	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	849.04	-29.98	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	824.00	-23.35	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	823.99	-24.83	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	849.00	-22.49	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	849.00	-24.67	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	824.00	-30.03	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	824.00	-29.66	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	849.00	-26.95	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	849.00	-27.29	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	824.00	-33.39	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	824.00	-33.37	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	849.04	-32.77	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	849.02	-34.20	-13	PASS



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



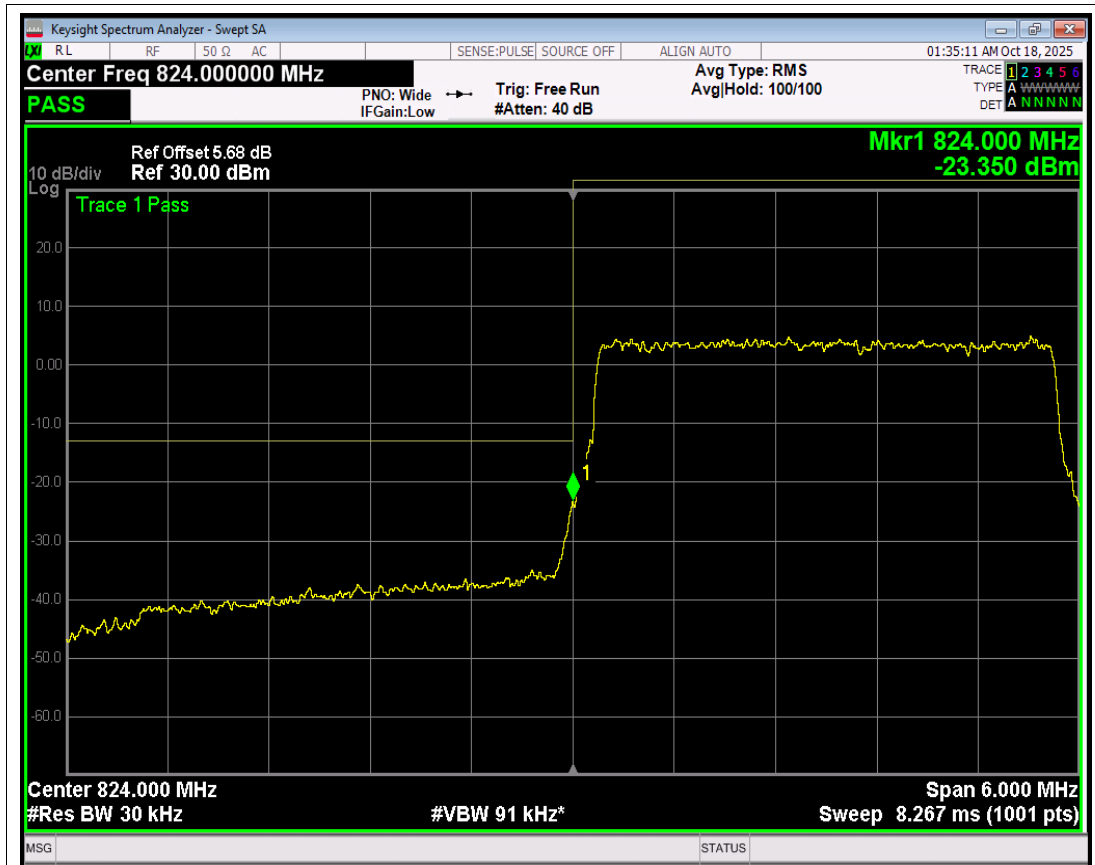
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



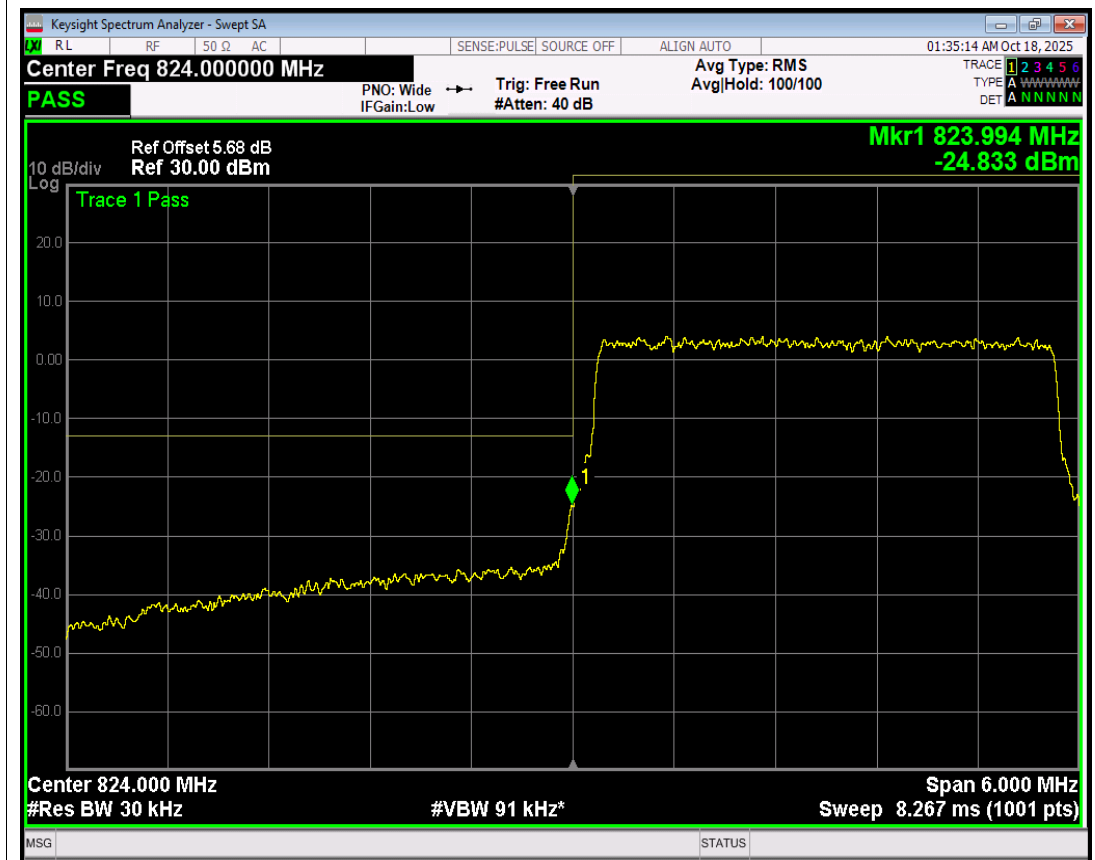
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



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



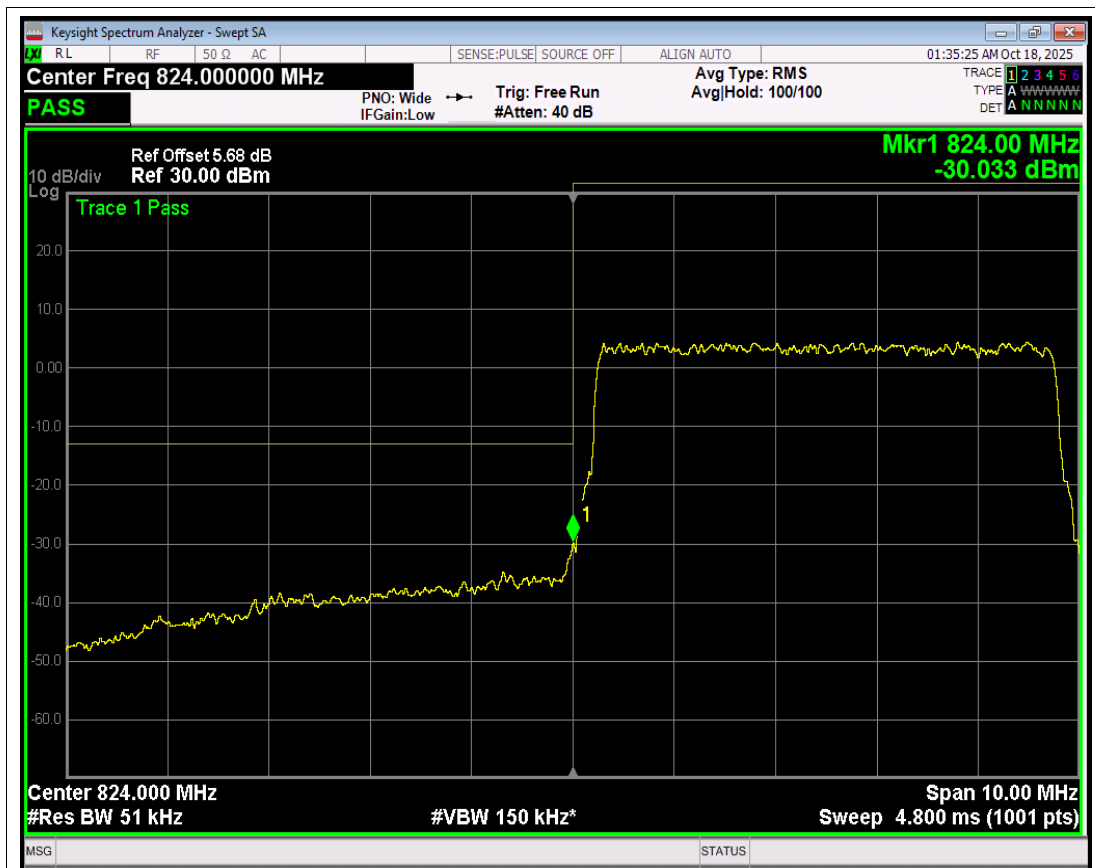
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



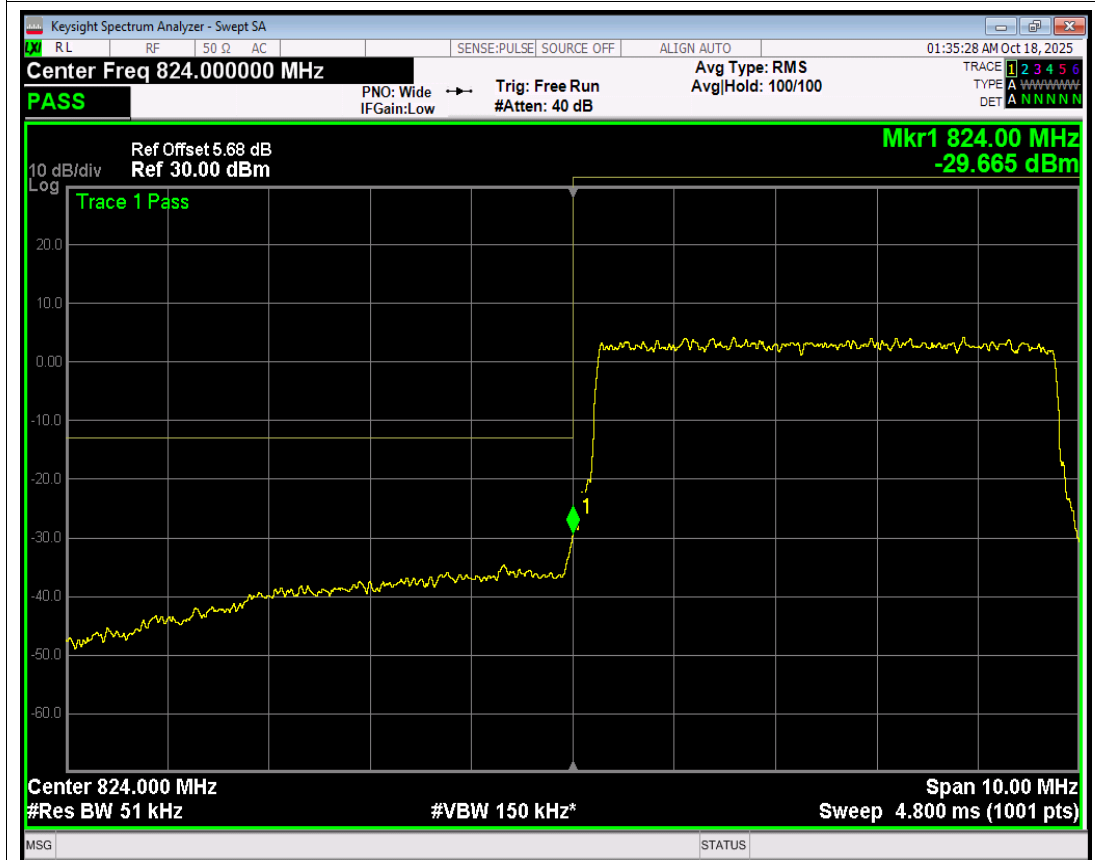
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



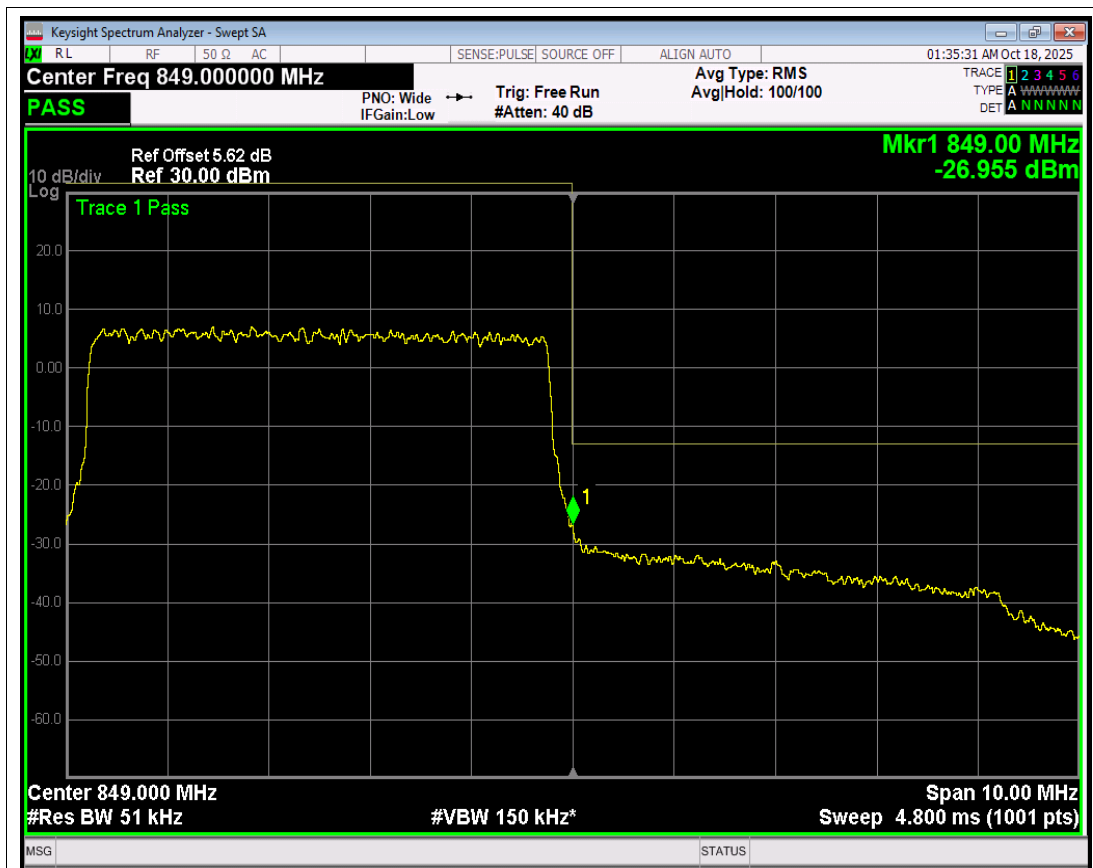
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



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



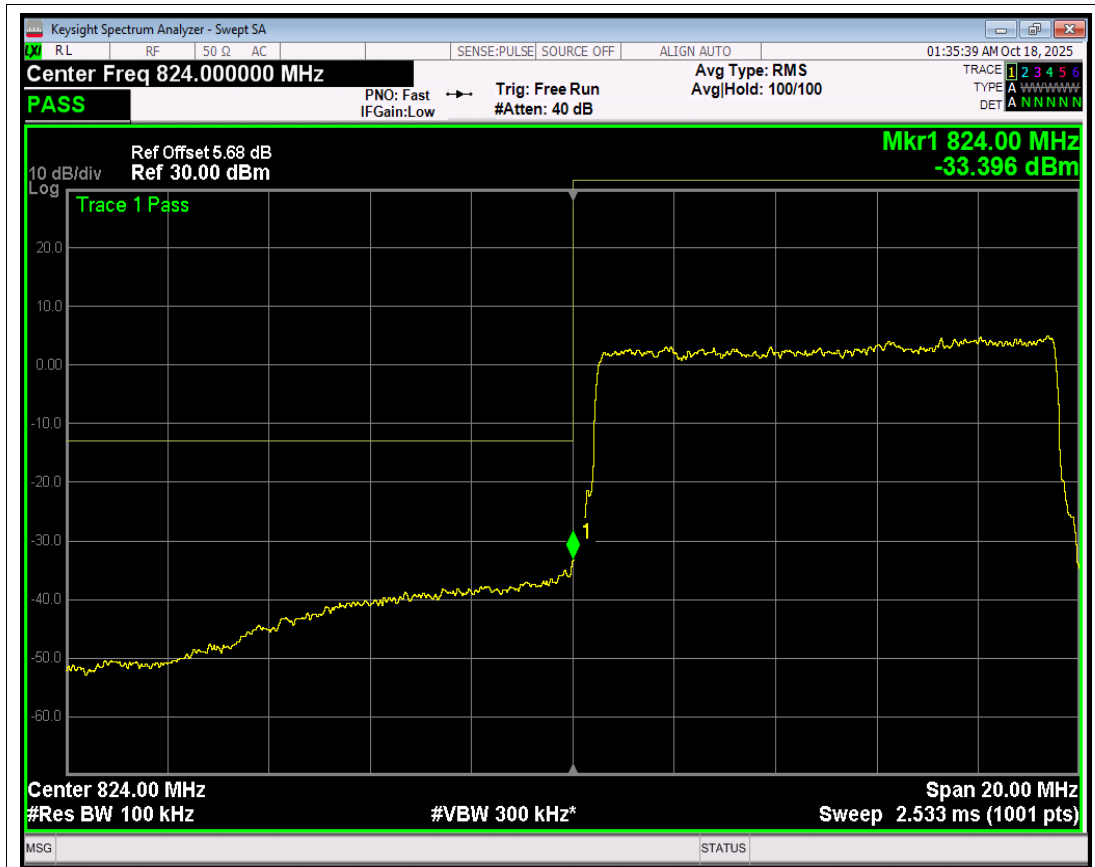
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



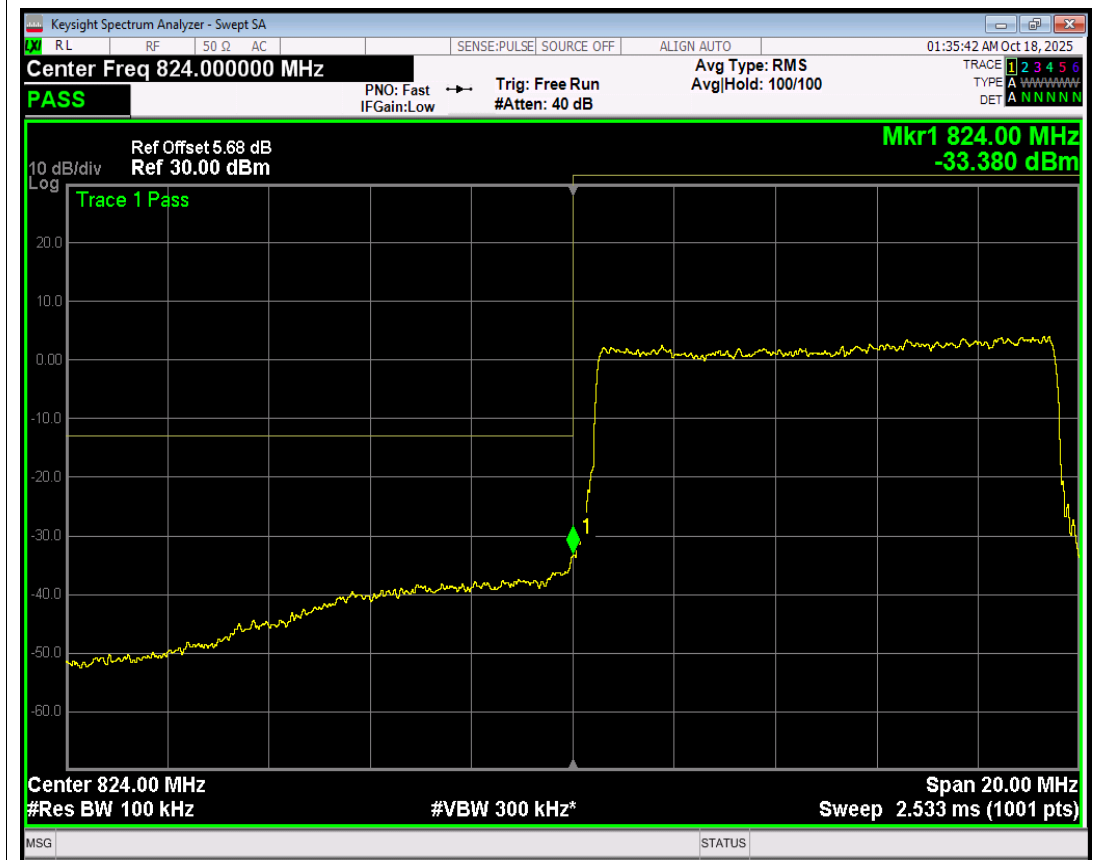
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



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



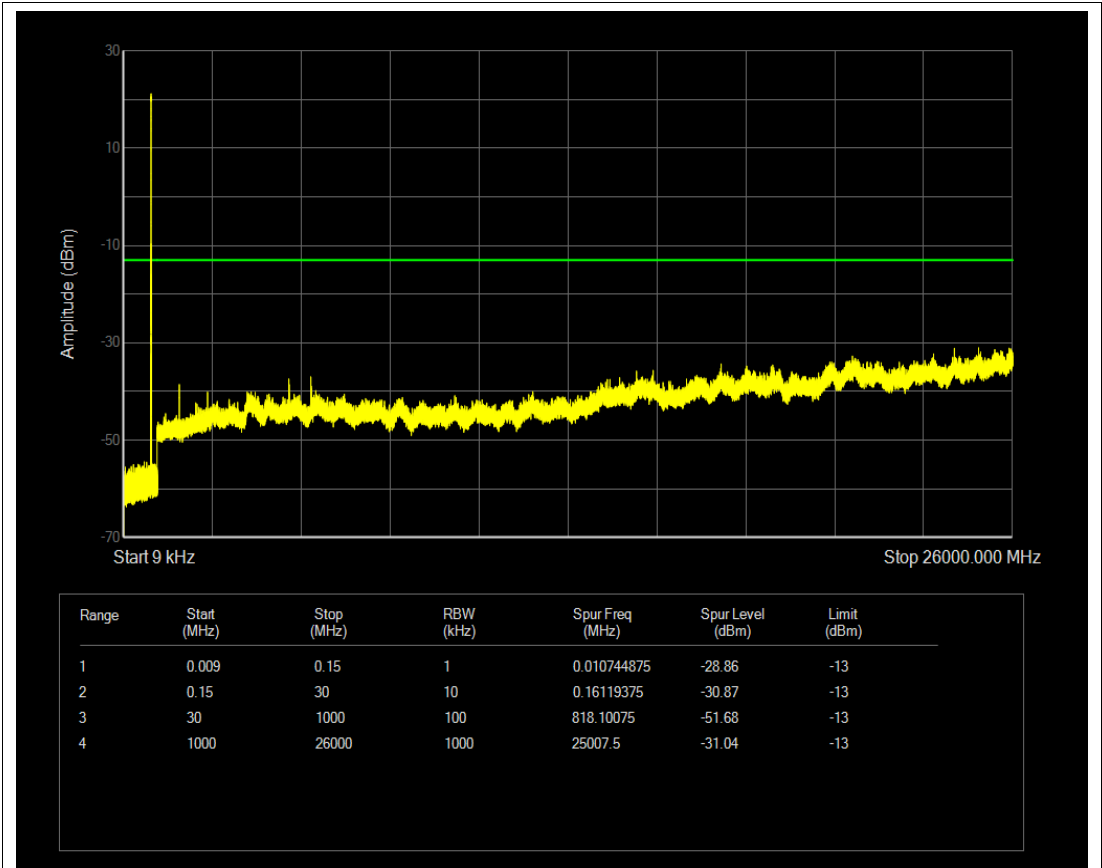
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



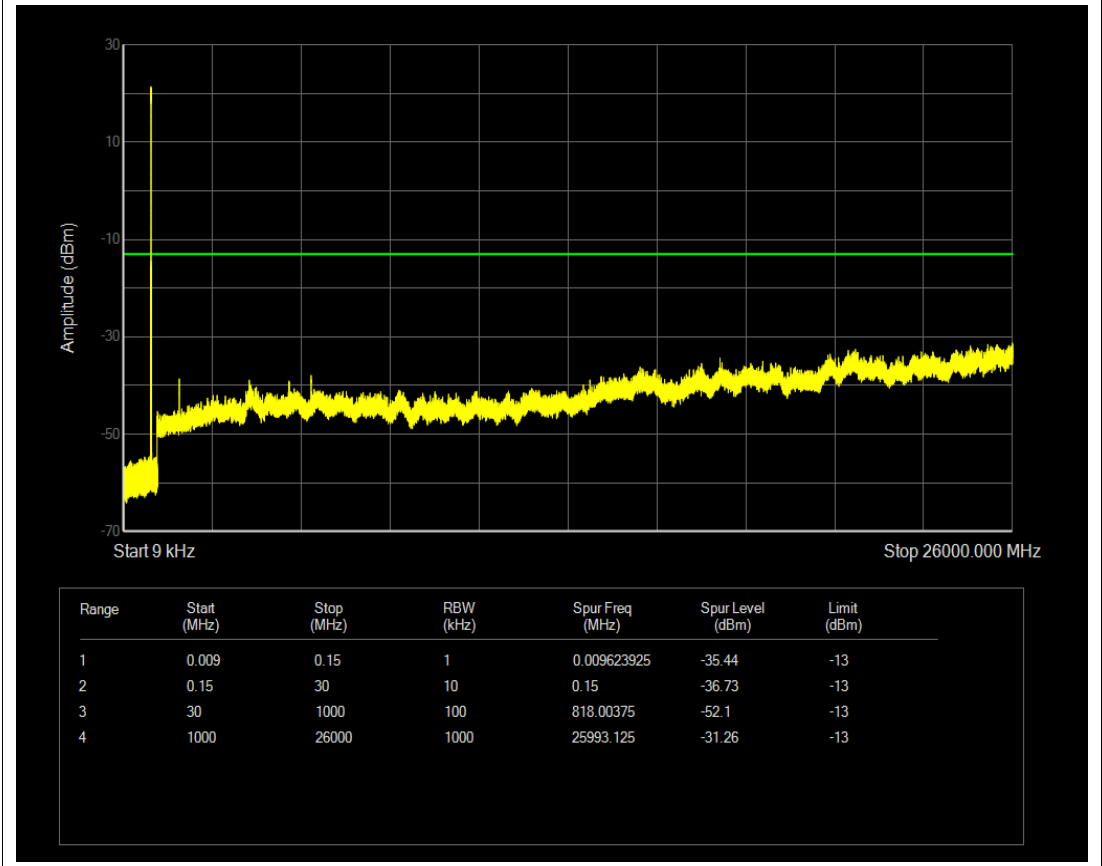
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT

Appendix 6.Out-of-band emissions

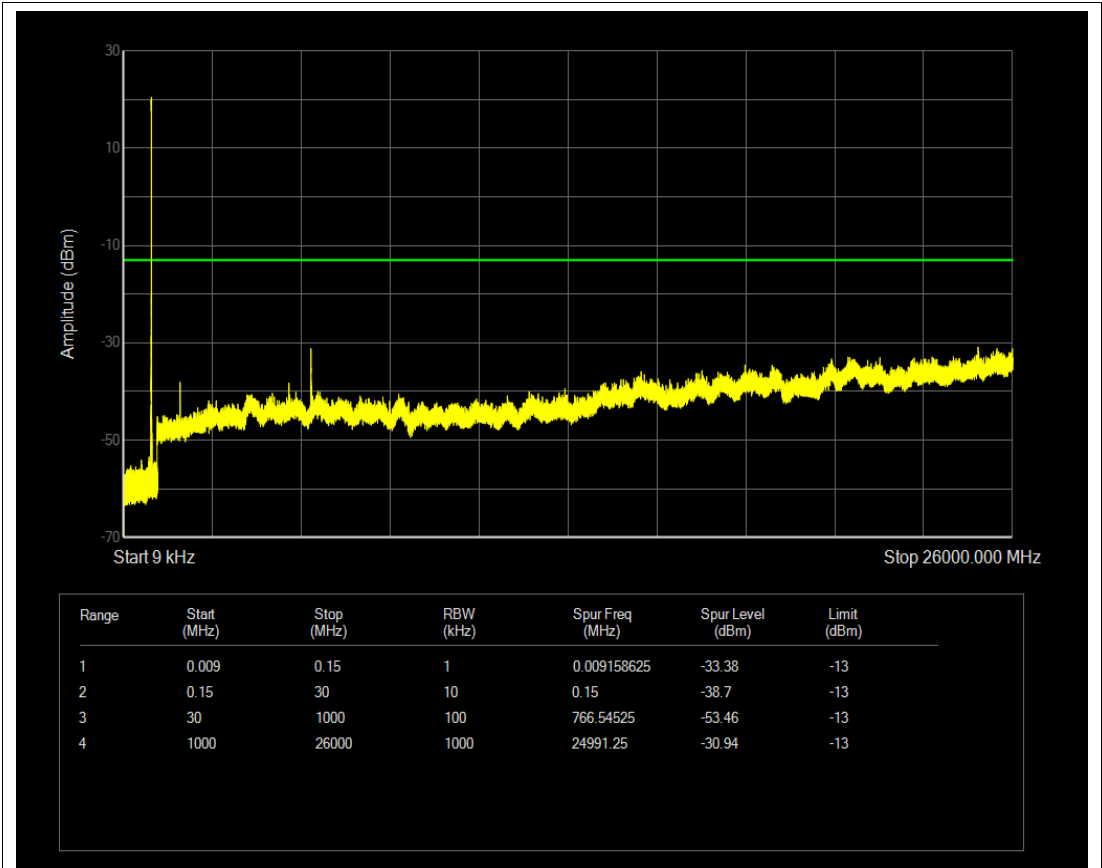
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	0.01	-28.86	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	25993.13	-31.26	-13	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	24991.25	-30.94	-13	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	5498.13	-29.96	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	25526.88	-30.23	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	0.01	-31.26	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	25878.13	-30.54	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	25969.38	-30.72	-13	PASS
NVNT	Band5	3	20525	15	#0	QPSK	25955.00	-30.70	-13	PASS
NVNT	Band5	3	20525	15	#0	16QAM	0.01	-27.72	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	25919.38	-30.98	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	0.01	-31.05	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	25881.25	-30.81	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	25658.13	-30.11	-13	PASS
NVNT	Band5	5	20525	25	#0	QPSK	25485.63	-30.62	-13	PASS
NVNT	Band5	5	20525	25	#0	16QAM	25979.38	-31.47	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	25490.63	-31.30	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	0.01	-29.30	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	25861.25	-30.88	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	25559.38	-31.25	-13	PASS
NVNT	Band5	10	20525	50	#0	QPSK	25500.63	-30.81	-13	PASS
NVNT	Band5	10	20525	50	#0	16QAM	25532.50	-31.69	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	0.15	-29.23	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	25586.88	-31.26	-13	PASS



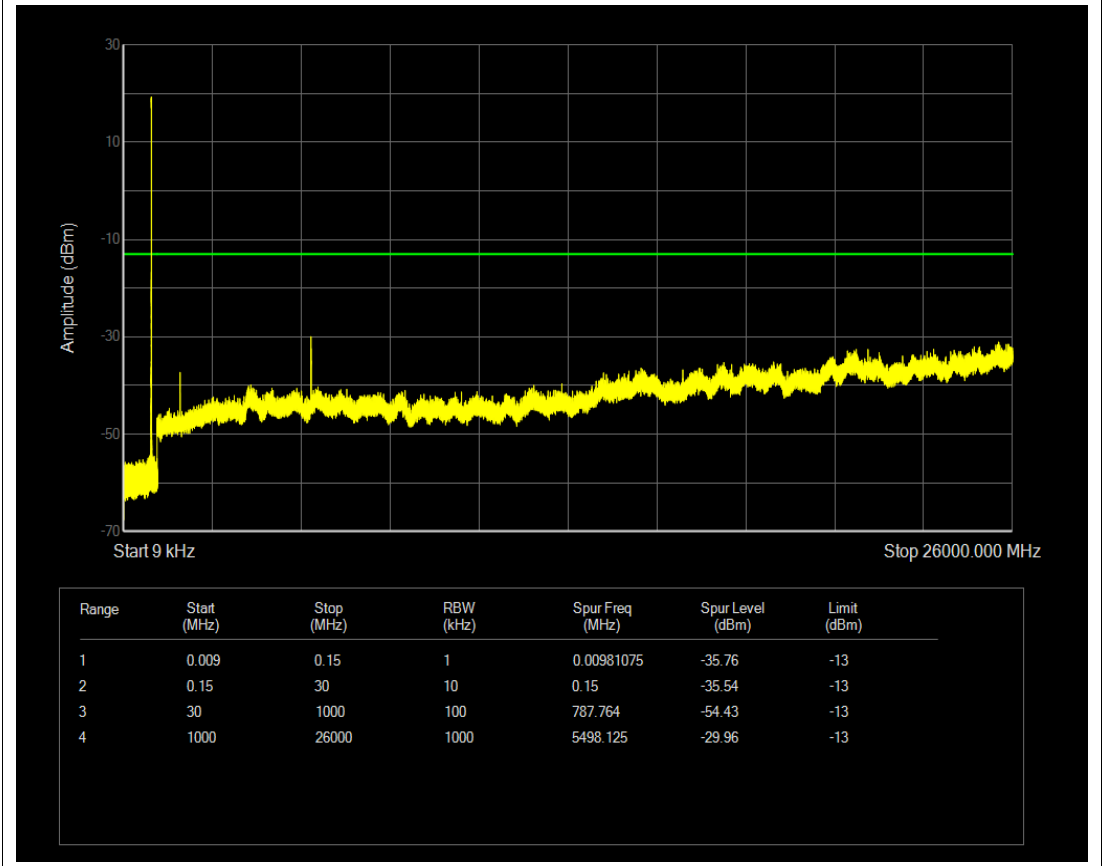
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



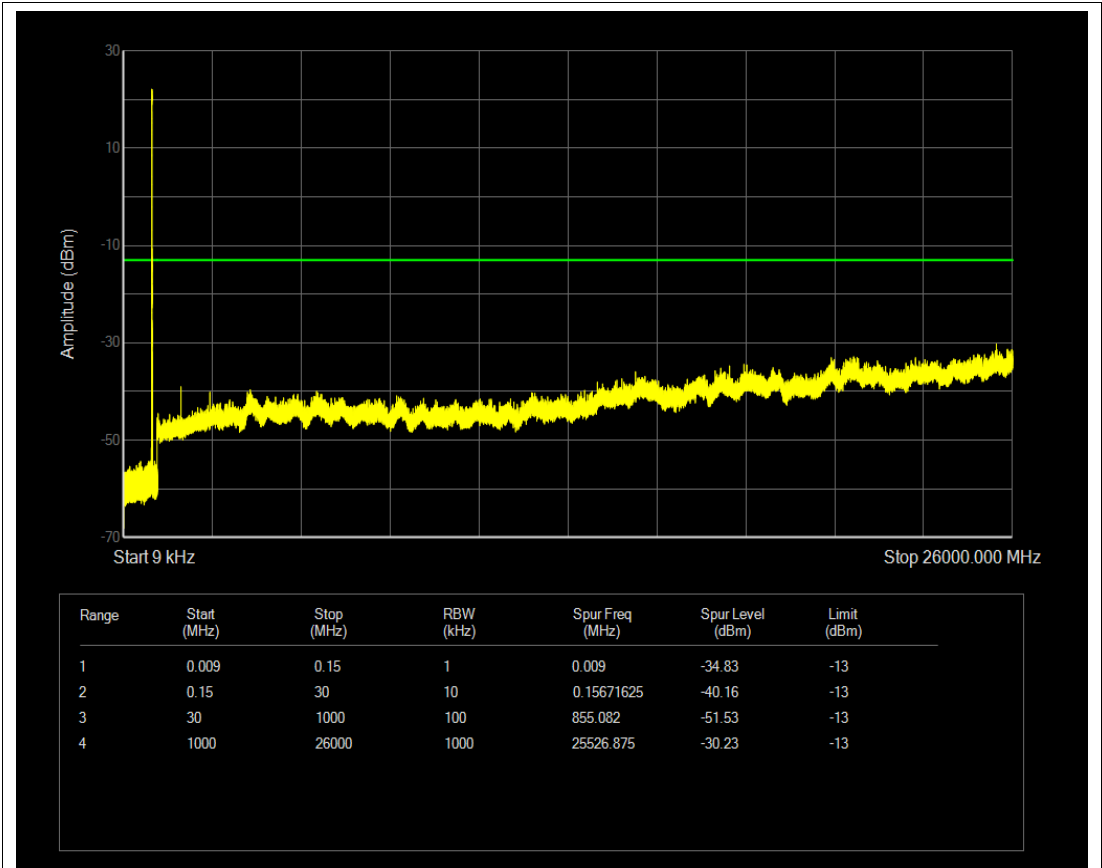
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



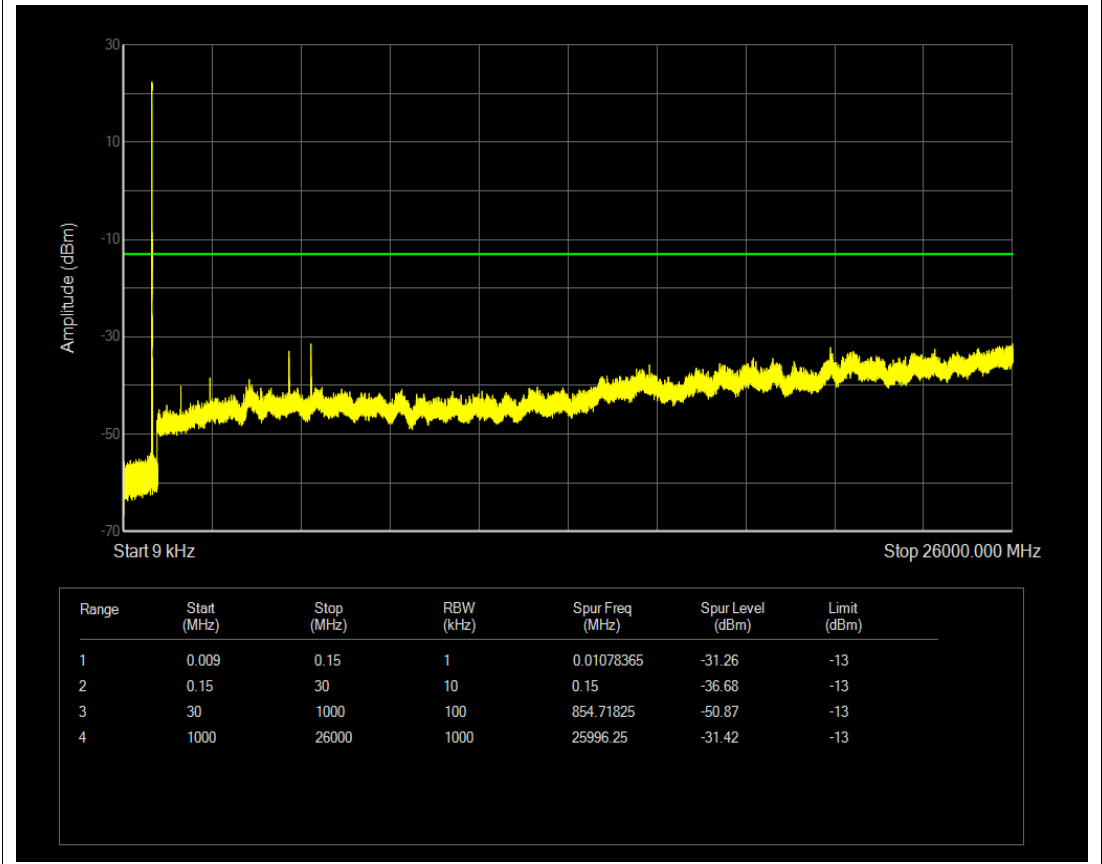
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



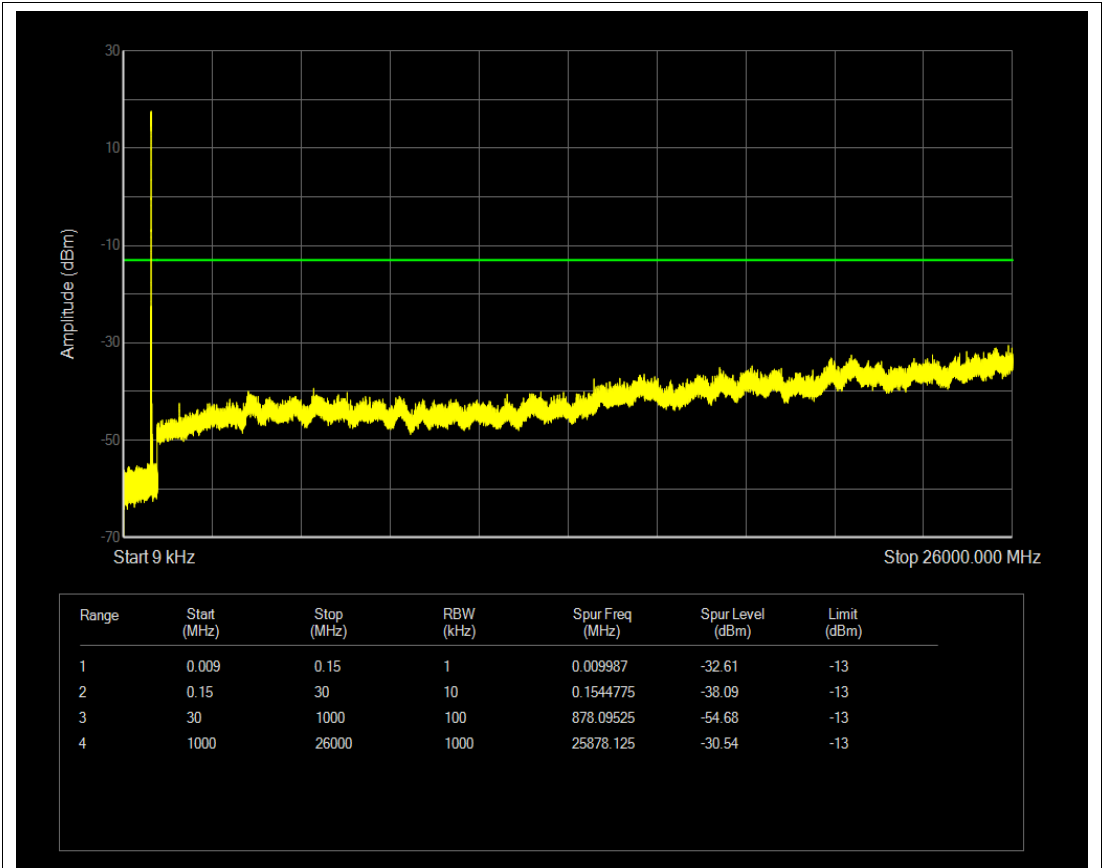
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



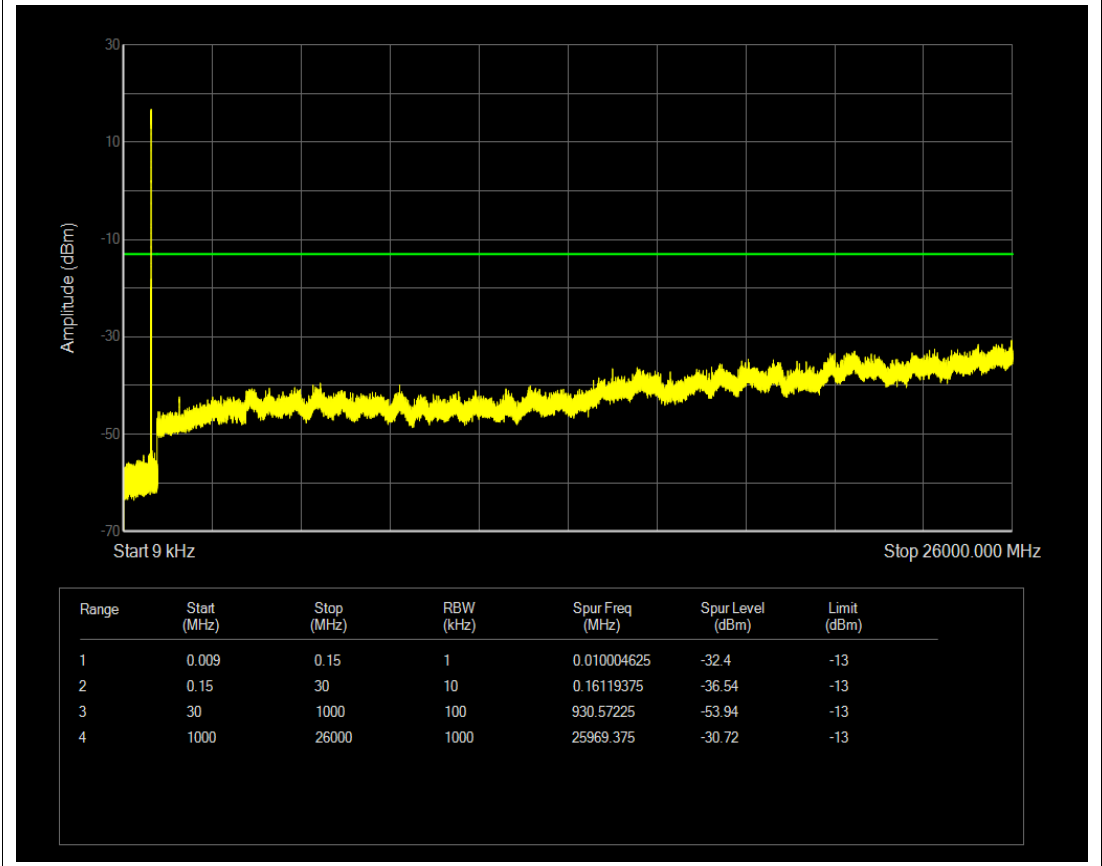
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



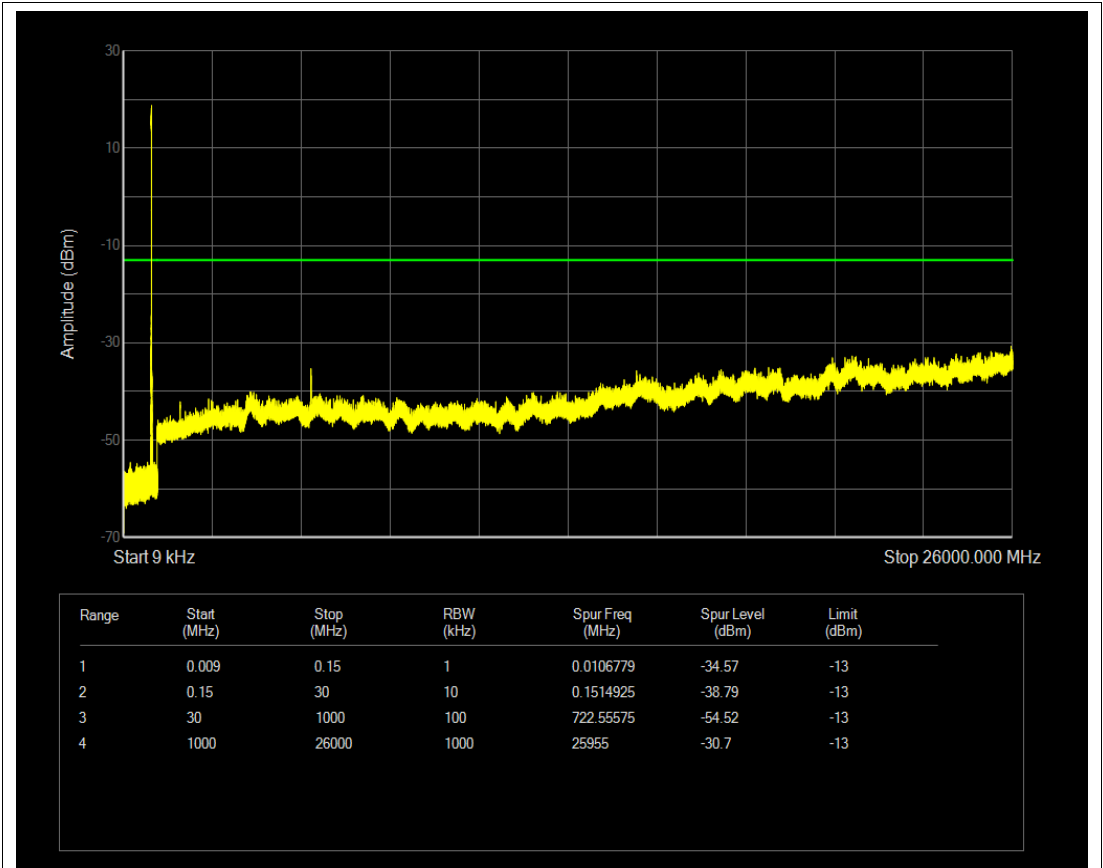
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



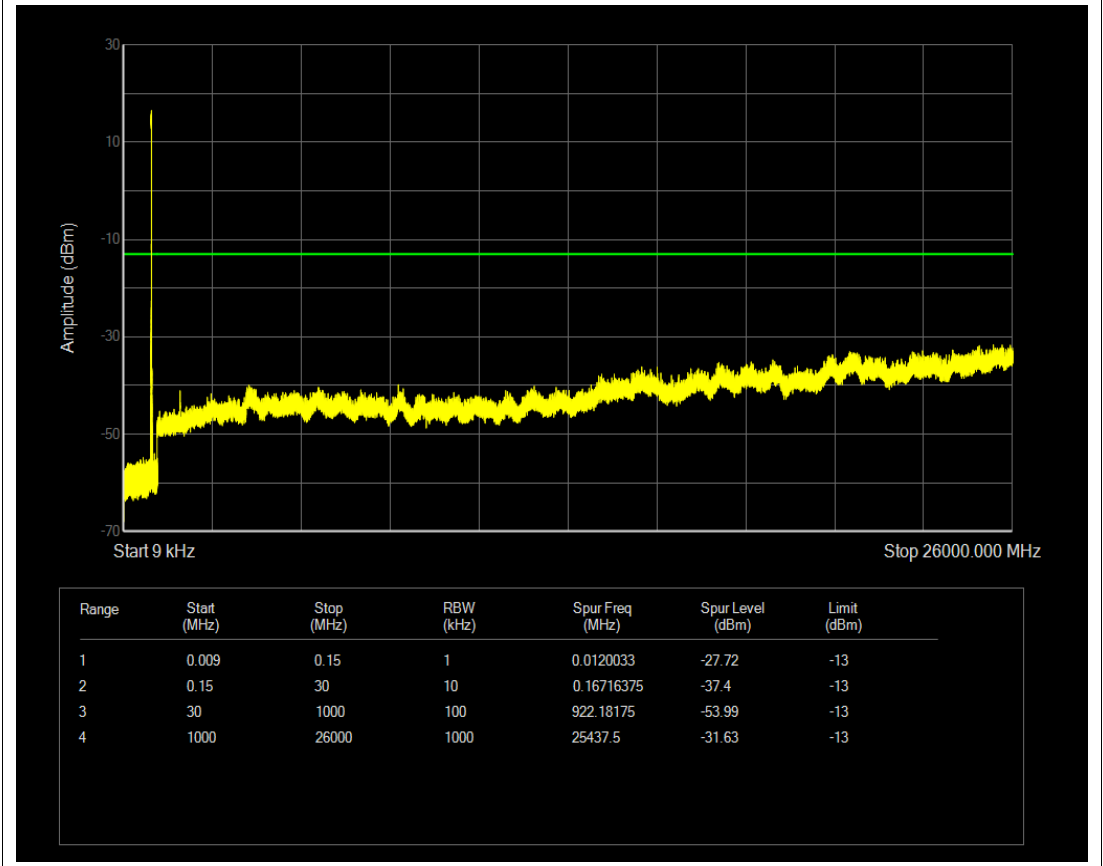
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



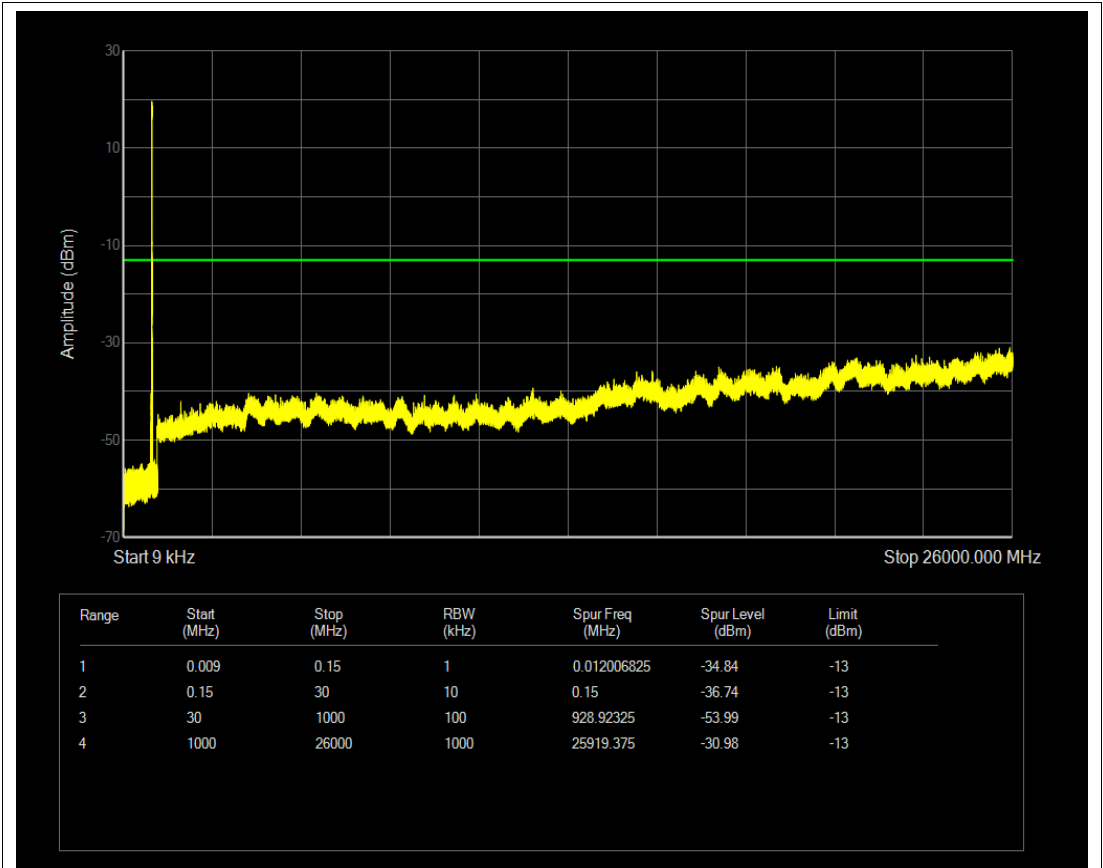
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



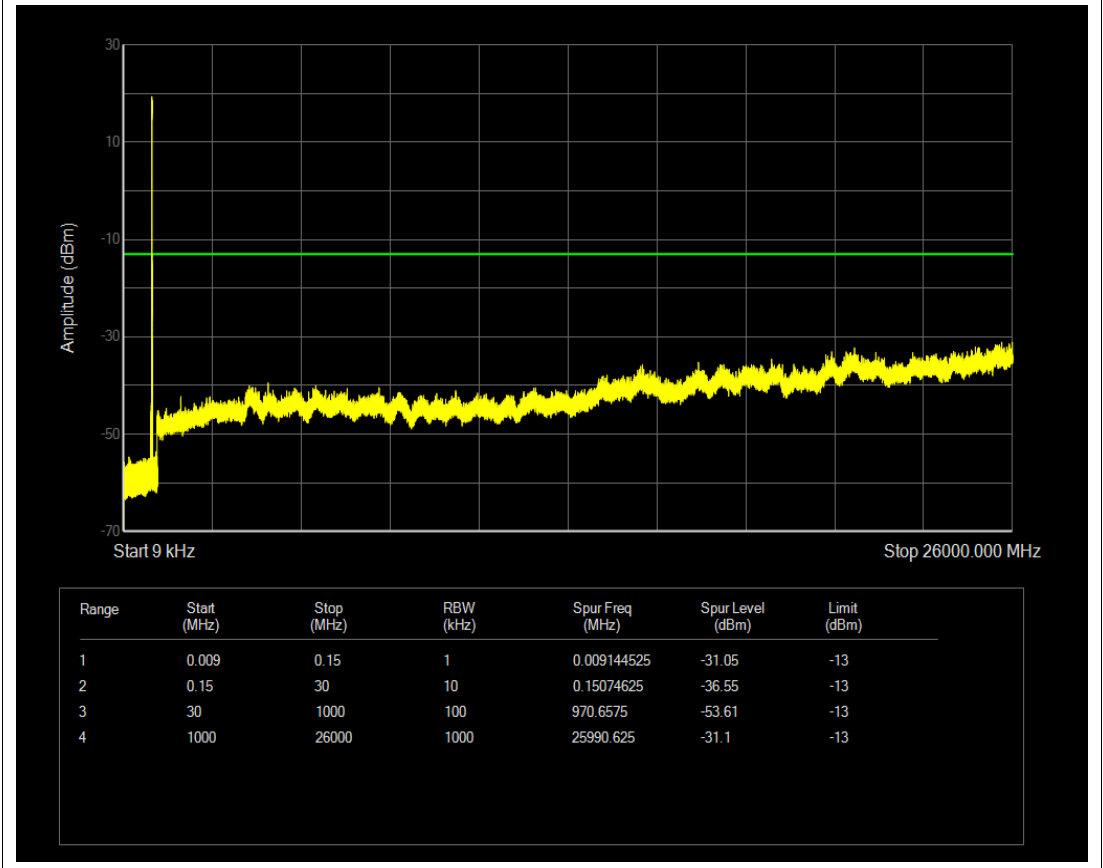
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



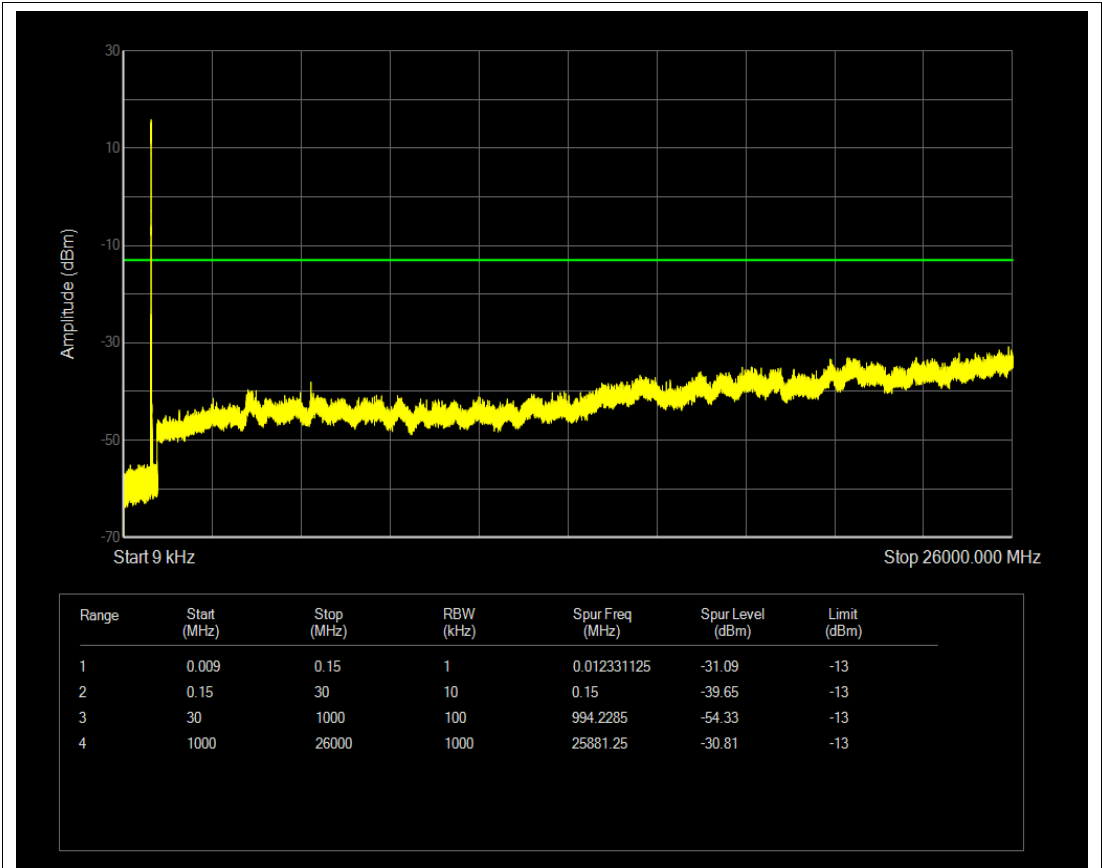
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



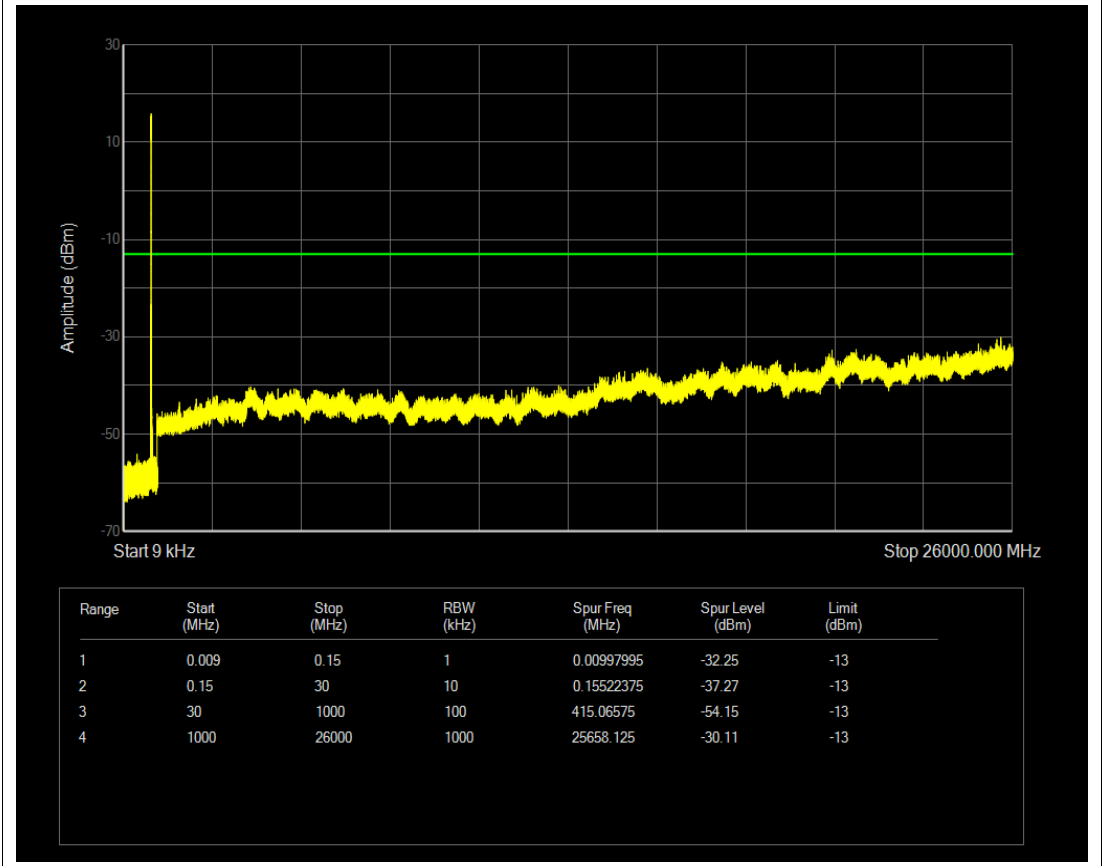
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



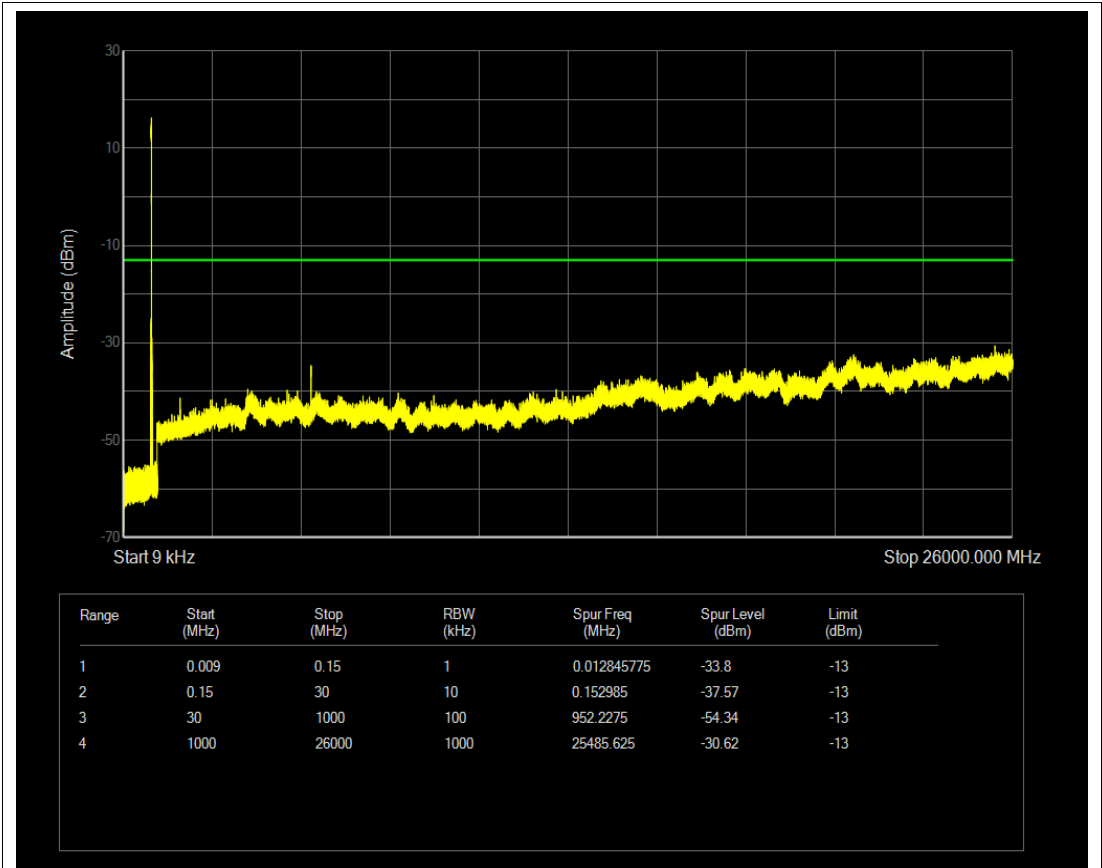
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



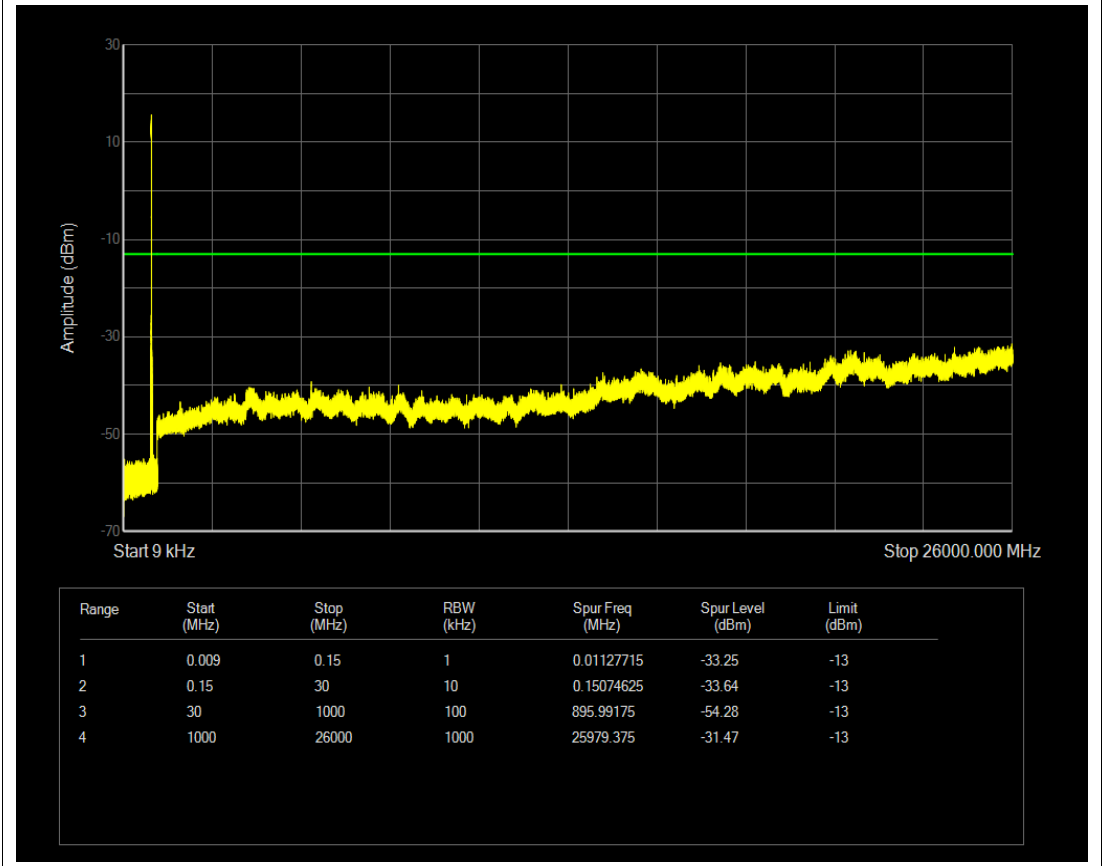
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



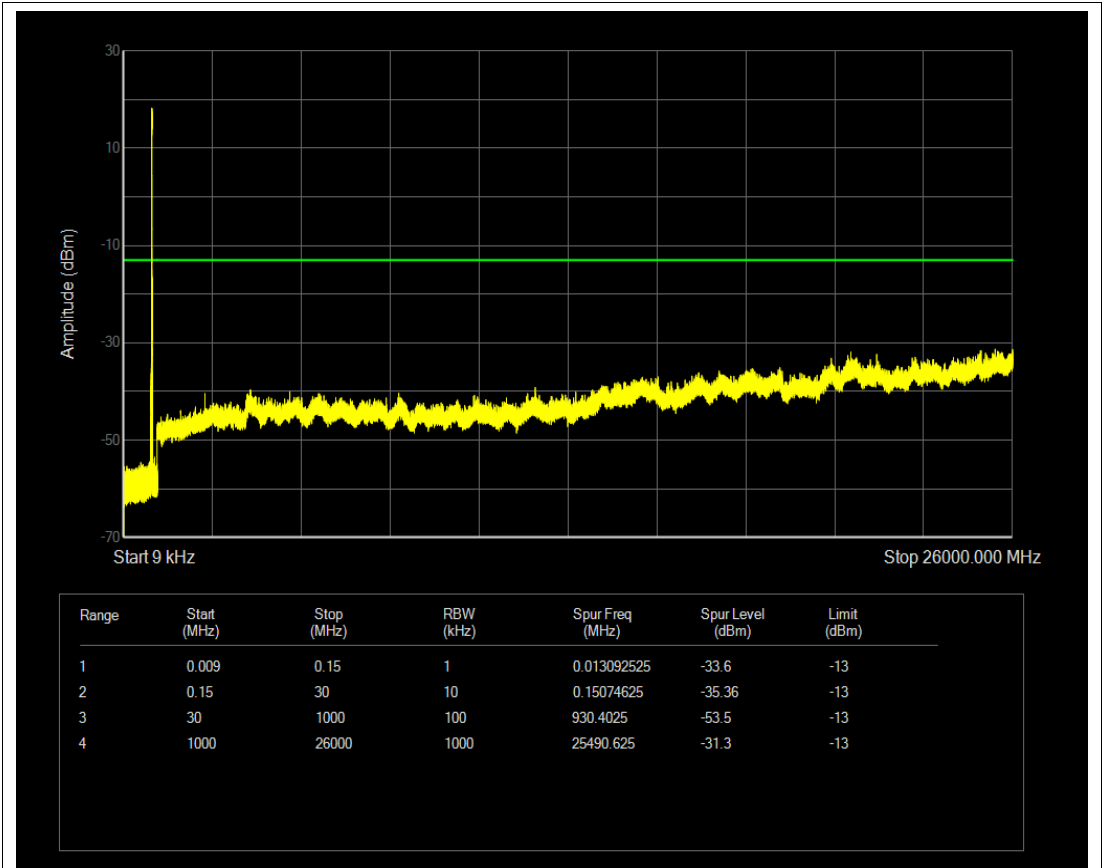
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



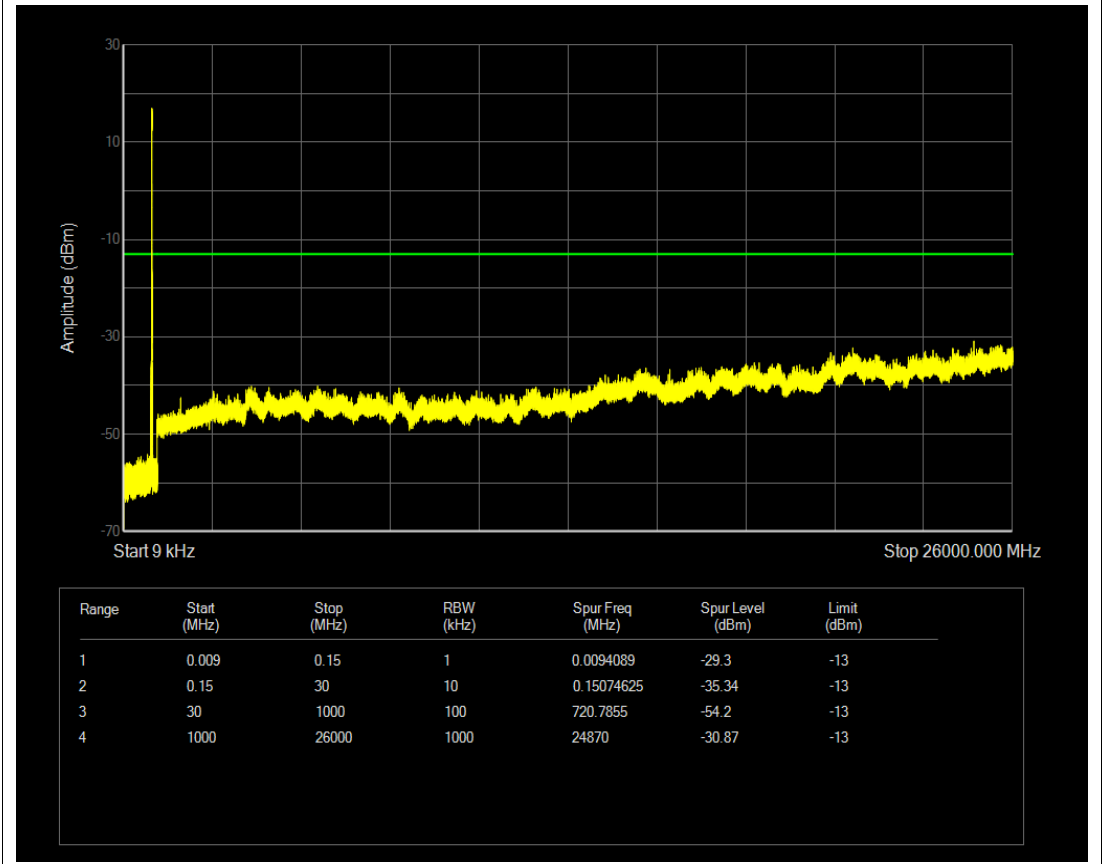
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



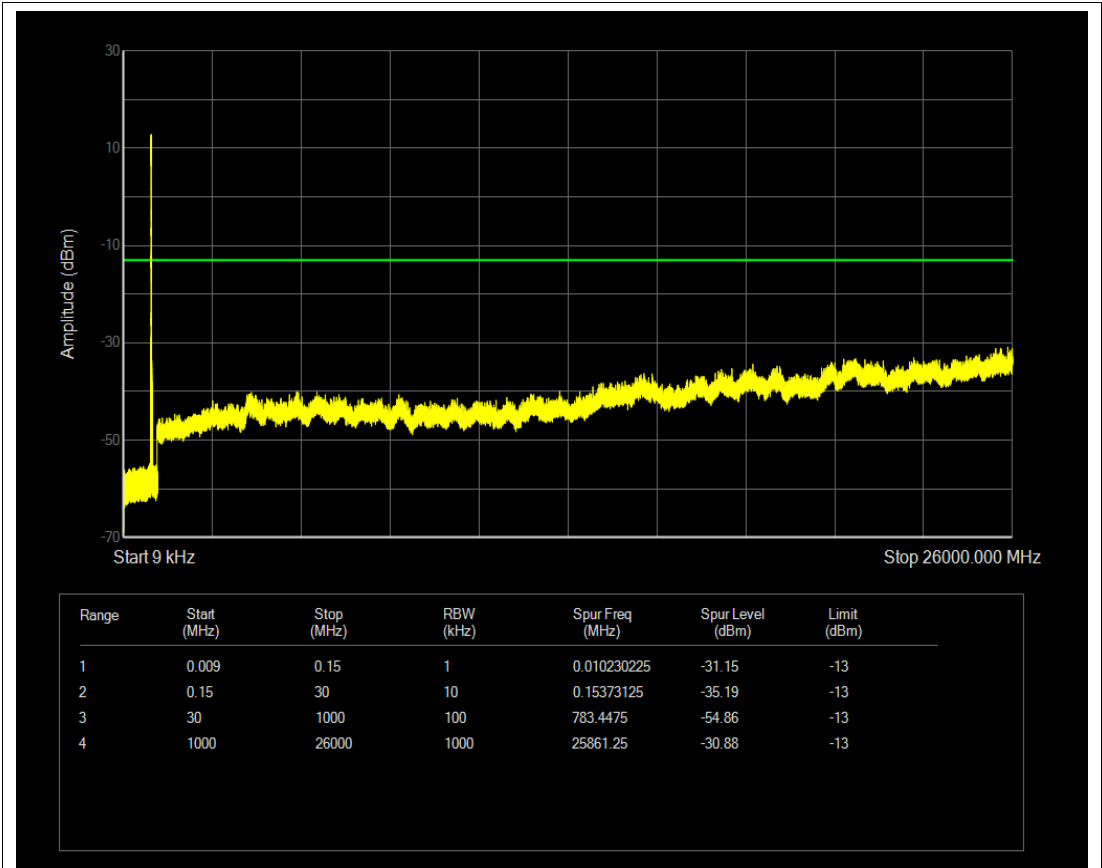
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



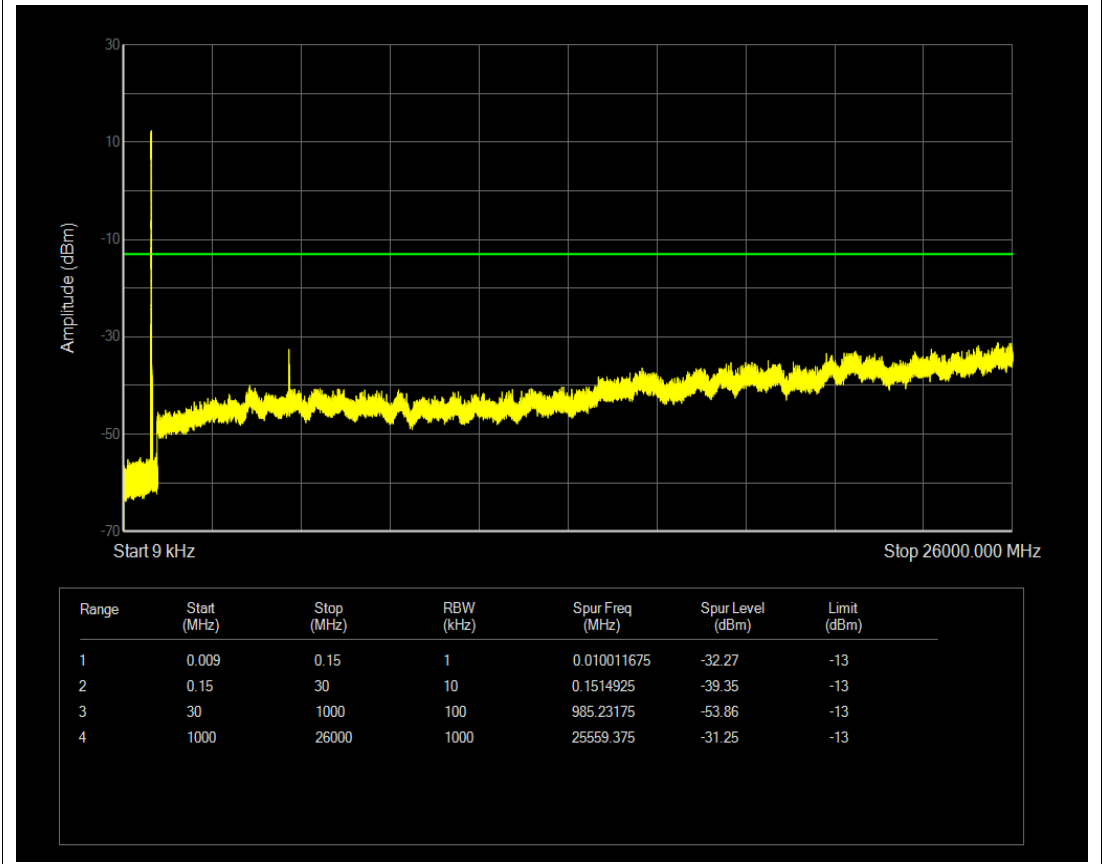
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



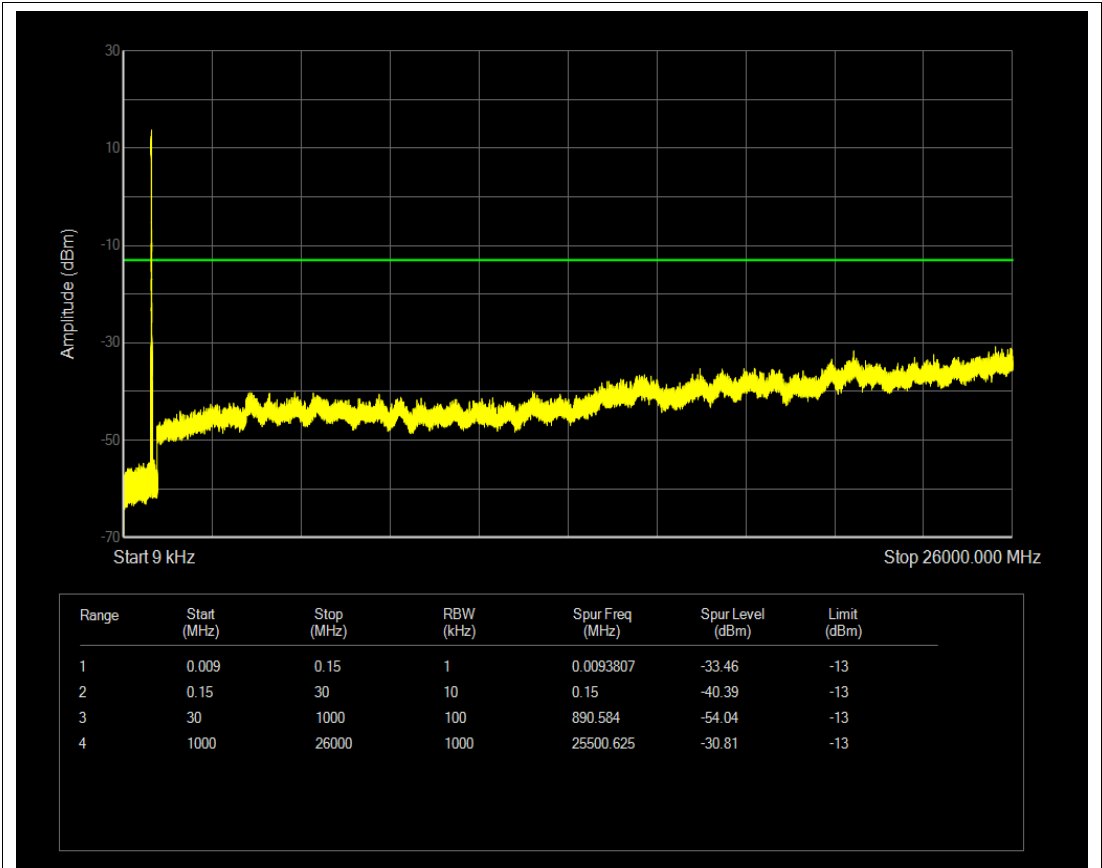
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



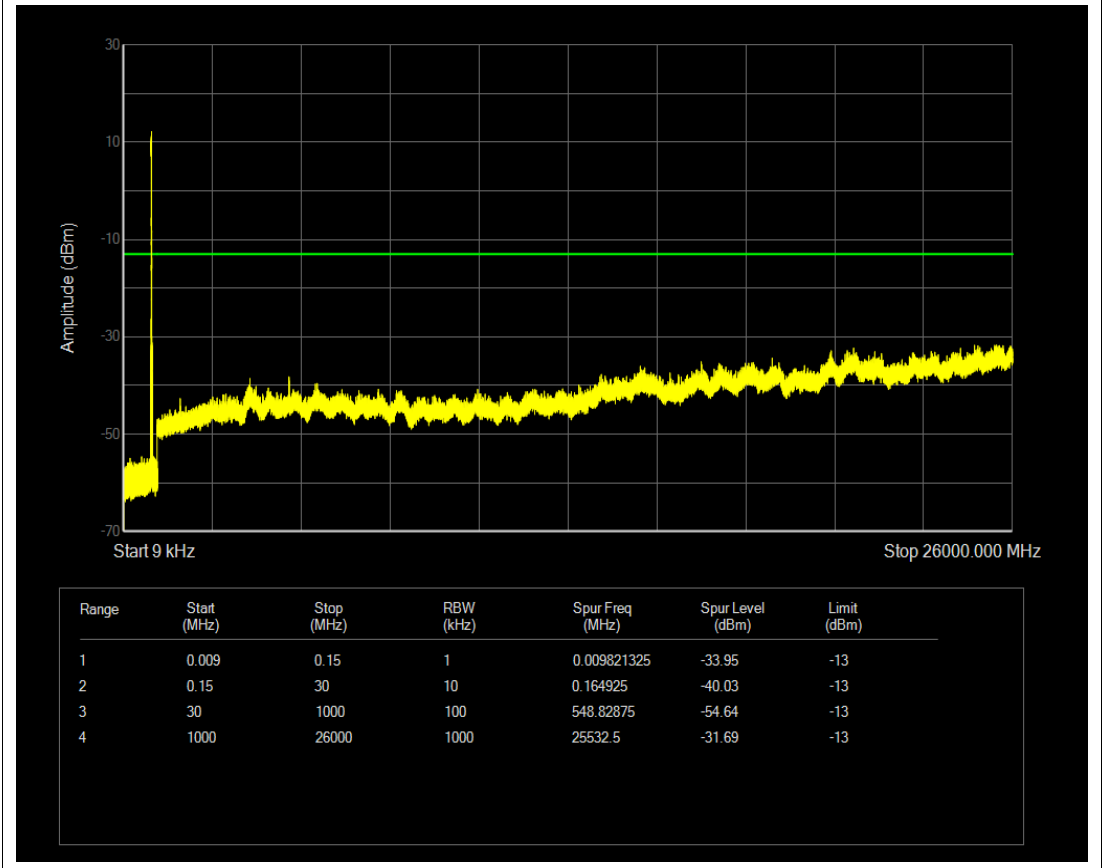
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



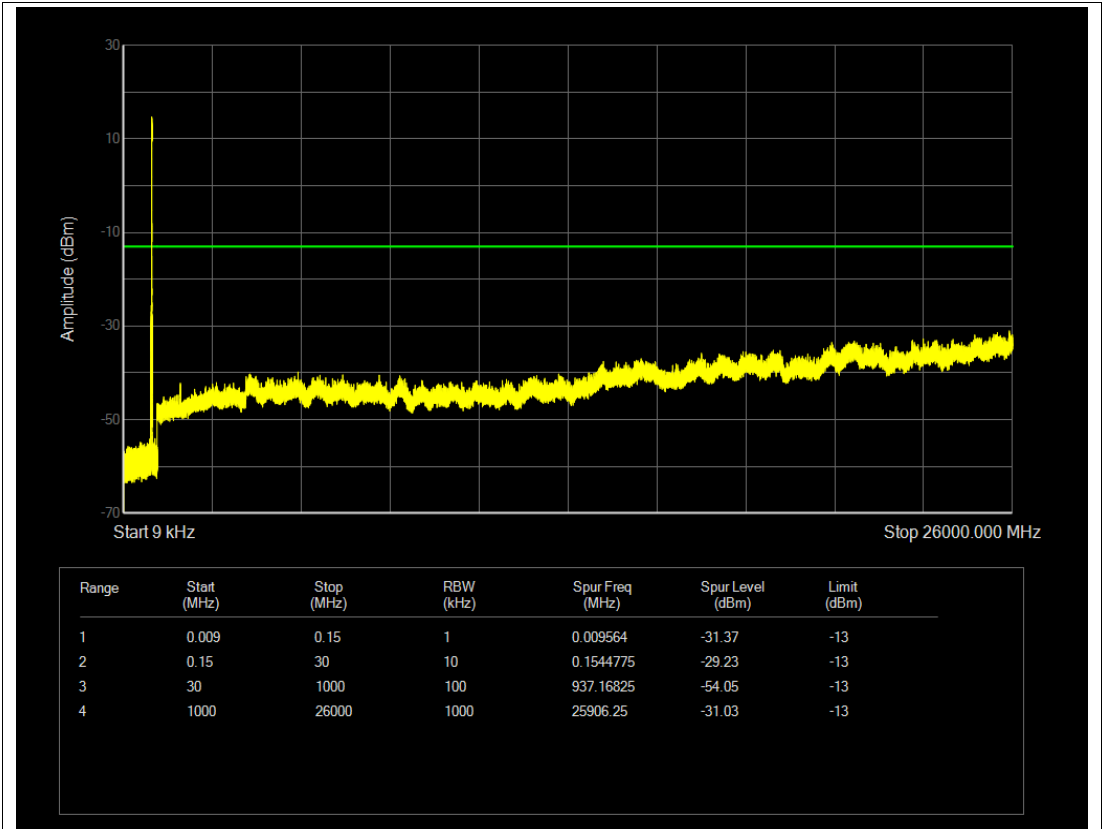
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



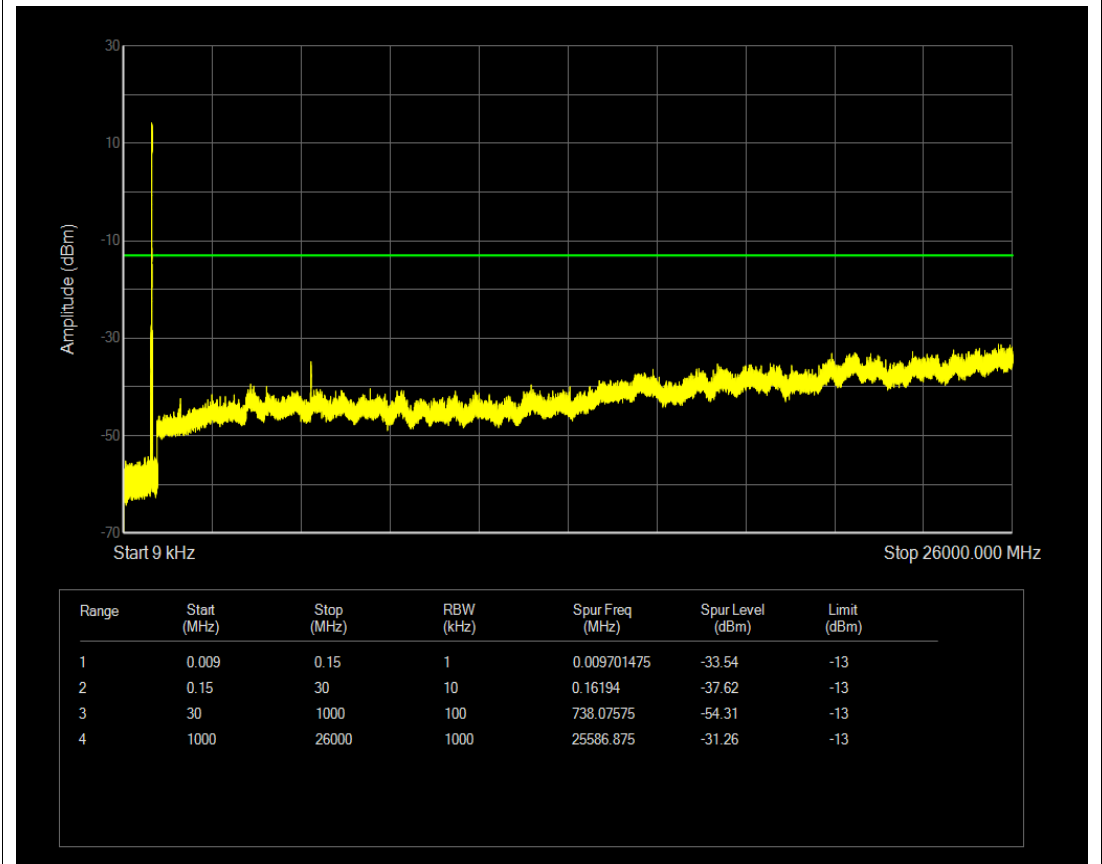
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



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



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



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