

Appendix D LTE

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01 Conducted output power (ERP)

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dB)	ERP (dBm)	ERP (mW)	ERP Limit (mW)	Verdict
NVNT	Band 5	1.4	20407	1	#0	QPSK	23.58	2.66	25.43	349.14	7000	PASS
NVNT	Band 5	1.4	20407	1	#Mid	QPSK	23.79	2.66	25.64	366.44	7000	PASS
NVNT	Band 5	1.4	20407	1	#Max	QPSK	23.59	2.66	25.44	349.95	7000	PASS
NVNT	Band 5	1.4	20407	3	#0	QPSK	23.56	2.66	25.41	347.54	7000	PASS
NVNT	Band 5	1.4	20407	3	#Mid	QPSK	23.59	2.66	25.44	349.95	7000	PASS
NVNT	Band 5	1.4	20407	3	#Max	QPSK	23.61	2.66	25.46	351.56	7000	PASS
NVNT	Band 5	1.4	20407	6	#0	QPSK	22.6	2.66	24.45	278.61	7000	PASS
NVNT	Band 5	1.4	20407	1	#0	16QAM	22.76	2.66	24.61	289.07	7000	PASS
NVNT	Band 5	1.4	20407	1	#Mid	16QAM	22.86	2.66	24.71	295.8	7000	PASS
NVNT	Band 5	1.4	20407	1	#Max	16QAM	22.77	2.66	24.62	289.73	7000	PASS
NVNT	Band 5	1.4	20407	3	#0	16QAM	22.8	2.66	24.65	291.74	7000	PASS
NVNT	Band 5	1.4	20407	3	#Mid	16QAM	22.83	2.66	24.68	293.76	7000	PASS
NVNT	Band 5	1.4	20407	3	#Max	16QAM	22.8	2.66	24.65	291.74	7000	PASS
NVNT	Band 5	1.4	20407	6	#0	16QAM	21.8	2.66	23.65	231.74	7000	PASS
NVNT	Band 5	1.4	20525	1	#0	QPSK	23.51	2.66	25.36	343.56	7000	PASS
NVNT	Band 5	1.4	20525	1	#Mid	QPSK	23.68	2.66	25.53	357.27	7000	PASS
NVNT	Band 5	1.4	20525	1	#Max	QPSK	23.5	2.66	25.35	342.77	7000	PASS
NVNT	Band 5	1.4	20525	3	#0	QPSK	23.66	2.66	25.51	355.63	7000	PASS
NVNT	Band 5	1.4	20525	3	#Mid	QPSK	23.64	2.66	25.49	354	7000	PASS

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NVNT	Band 5	1.4	20525	3	#Max	QPSK	23.62	2.66	25.47	352.3 7	7000	PASS
NVNT	Band 5	1.4	20525	6	#0	QPSK	22.6	2.66	24.45	278.6 1	7000	PASS
NVNT	Band 5	1.4	20525	1	#0	16QAM	22.77	2.66	24.62	289.7 3	7000	PASS
NVNT	Band 5	1.4	20525	1	#Mid	16QAM	22.85	2.66	24.7	295.1 2	7000	PASS
NVNT	Band 5	1.4	20525	1	#Max	16QAM	22.76	2.66	24.61	289.0 7	7000	PASS
NVNT	Band 5	1.4	20525	3	#0	16QAM	22.8	2.66	24.65	291.7 4	7000	PASS
NVNT	Band 5	1.4	20525	3	#Mid	16QAM	22.87	2.66	24.72	296.4 8	7000	PASS
NVNT	Band 5	1.4	20525	3	#Max	16QAM	22.87	2.66	24.72	296.4 8	7000	PASS
NVNT	Band 5	1.4	20525	6	#0	16QAM	21.78	2.66	23.63	230.6 7	7000	PASS
NVNT	Band 5	1.4	20643	1	#0	QPSK	23.6	2.66	25.45	350.7 5	7000	PASS
NVNT	Band 5	1.4	20643	1	#Mid	QPSK	23.74	2.66	25.59	362.2 4	7000	PASS
NVNT	Band 5	1.4	20643	1	#Max	QPSK	23.61	2.66	25.46	351.5 6	7000	PASS
NVNT	Band 5	1.4	20643	3	#0	QPSK	23.61	2.66	25.46	351.5 6	7000	PASS
NVNT	Band 5	1.4	20643	3	#Mid	QPSK	23.64	2.66	25.49	354	7000	PASS
NVNT	Band 5	1.4	20643	3	#Max	QPSK	23.6	2.66	25.45	350.7 5	7000	PASS
NVNT	Band 5	1.4	20643	6	#0	QPSK	22.67	2.66	24.52	283.1 4	7000	PASS
NVNT	Band 5	1.4	20643	1	#0	16QAM	22.38	2.66	24.23	264.8 5	7000	PASS
NVNT	Band 5	1.4	20643	1	#Mid	16QAM	22.52	2.66	24.37	273.5 3	7000	PASS
NVNT	Band 5	1.4	20643	1	#Max	16QAM	22.42	2.66	24.27	267.3	7000	PASS
NVNT	Band 5	1.4	20643	3	#0	16QAM	22.72	2.66	24.57	286.4 2	7000	PASS
NVNT	Band 5	1.4	20643	3	#Mid	16QAM	22.77	2.66	24.62	289.7 3	7000	PASS
NVNT	Band	1.4	20643	3	#Max	16QAM	22.76	2.66	24.61	289.0	7000	PASS

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NVNT	Band 5	1.4	20643	6	#0	16QAM	21.81	2.66	23.66	232.2 7	7000	PASS
NVNT	Band 5	3	20415	1	#0	QPSK	23.53	2.66	25.38	345.1 4	7000	PASS
NVNT	Band 5	3	20415	1	#Mid	QPSK	23.67	2.66	25.52	356.4 5	7000	PASS
NVNT	Band 5	3	20415	1	#Max	QPSK	23.54	2.66	25.39	345.9 4	7000	PASS
NVNT	Band 5	3	20415	8	#0	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	3	20415	8	#Mid	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	3	20415	8	#Max	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	3	20415	15	#0	QPSK	22.56	2.66	24.41	276.0 6	7000	PASS
NVNT	Band 5	3	20415	1	#0	16QAM	22.97	2.66	24.82	303.3 9	7000	PASS
NVNT	Band 5	3	20415	1	#Mid	16QAM	23.27	2.66	25.12	325.0 9	7000	PASS
NVNT	Band 5	3	20415	1	#Max	16QAM	22.97	2.66	24.82	303.3 9	7000	PASS
NVNT	Band 5	3	20415	8	#0	16QAM	21.61	2.66	23.46	221.8 2	7000	PASS
NVNT	Band 5	3	20415	8	#Mid	16QAM	21.65	2.66	23.5	223.8 7	7000	PASS
NVNT	Band 5	3	20415	8	#Max	16QAM	21.6	2.66	23.45	221.3 1	7000	PASS
NVNT	Band 5	3	20415	15	#0	16QAM	21.6	2.66	23.45	221.3 1	7000	PASS
NVNT	Band 5	3	20525	1	#0	QPSK	23.54	2.66	25.39	345.9 4	7000	PASS
NVNT	Band 5	3	20525	1	#Mid	QPSK	23.79	2.66	25.64	366.4 4	7000	PASS
NVNT	Band 5	3	20525	1	#Max	QPSK	23.5	2.66	25.35	342.7 7	7000	PASS
NVNT	Band 5	3	20525	8	#0	QPSK	22.61	2.66	24.46	279.2 5	7000	PASS
NVNT	Band 5	3	20525	8	#Mid	QPSK	22.61	2.66	24.46	279.2 5	7000	PASS
NVNT	Band 5	3	20525	8	#Max	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band	3	20525	15	#0	QPSK	22.55	2.66	24.4	275.4	7000	PASS

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NVNT	Band 5	3	20525	1	#0	16QAM	22.78	2.66	24.63	290.4	7000	PASS
NVNT	Band 5	3	20525	1	#Mid	16QAM	23	2.66	24.85	305.4 9	7000	PASS
NVNT	Band 5	3	20525	1	#Max	16QAM	22.78	2.66	24.63	290.4	7000	PASS
NVNT	Band 5	3	20525	8	#0	16QAM	21.6	2.66	23.45	221.3 1	7000	PASS
NVNT	Band 5	3	20525	8	#Mid	16QAM	21.62	2.66	23.47	222.3 3	7000	PASS
NVNT	Band 5	3	20525	8	#Max	16QAM	21.56	2.66	23.41	219.2 8	7000	PASS
NVNT	Band 5	3	20525	15	#0	16QAM	21.52	2.66	23.37	217.2 7	7000	PASS
NVNT	Band 5	3	20635	1	#0	QPSK	23.63	2.66	25.48	353.1 8	7000	PASS
NVNT	Band 5	3	20635	1	#Mid	QPSK	23.9	2.66	25.75	375.8 4	7000	PASS
NVNT	Band 5	3	20635	1	#Max	QPSK	23.67	2.66	25.52	356.4 5	7000	PASS
NVNT	Band 5	3	20635	8	#0	QPSK	22.57	2.66	24.42	276.6 9	7000	PASS
NVNT	Band 5	3	20635	8	#Mid	QPSK	22.61	2.66	24.46	279.2 5	7000	PASS
NVNT	Band 5	3	20635	8	#Max	QPSK	22.59	2.66	24.44	277.9 7	7000	PASS
NVNT	Band 5	3	20635	15	#0	QPSK	22.57	2.66	24.42	276.6 9	7000	PASS
NVNT	Band 5	3	20635	1	#0	16QAM	22.46	2.66	24.31	269.7 7	7000	PASS
NVNT	Band 5	3	20635	1	#Mid	16QAM	22.83	2.66	24.68	293.7 6	7000	PASS
NVNT	Band 5	3	20635	1	#Max	16QAM	22.37	2.66	24.22	264.2 4	7000	PASS
NVNT	Band 5	3	20635	8	#0	16QAM	21.6	2.66	23.45	221.3 1	7000	PASS
NVNT	Band 5	3	20635	8	#Mid	16QAM	21.59	2.66	23.44	220.8	7000	PASS
NVNT	Band 5	3	20635	8	#Max	16QAM	21.56	2.66	23.41	219.2 8	7000	PASS
NVNT	Band 5	3	20635	15	#0	16QAM	21.66	2.66	23.51	224.3 9	7000	PASS
NVNT	Band	5	20425	1	#0	QPSK	23.42	2.66	25.27	336.5	7000	PASS

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NVNT	Band 5	5	20425	1	#Mid	QPSK	23.88	2.66	25.73	374.11	7000	PASS
NVNT	Band 5	5	20425	1	#Max	QPSK	23.45	2.66	25.3	338.8 4	7000	PASS
NVNT	Band 5	5	20425	12	#0	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	5	20425	12	#Mid	QPSK	22.62	2.66	24.47	279.9	7000	PASS
NVNT	Band 5	5	20425	12	#Max	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	5	20425	25	#0	QPSK	22.6	2.66	24.45	278.6 1	7000	PASS
NVNT	Band 5	5	20425	1	#0	16QAM	23.01	2.66	24.86	306.2	7000	PASS
NVNT	Band 5	5	20425	1	#Mid	16QAM	23.48	2.66	25.33	341.1 9	7000	PASS
NVNT	Band 5	5	20425	1	#Max	16QAM	23.02	2.66	24.87	306.9	7000	PASS
NVNT	Band 5	5	20425	12	#0	16QAM	21.56	2.66	23.41	219.2 8	7000	PASS
NVNT	Band 5	5	20425	12	#Mid	16QAM	21.62	2.66	23.47	222.3 3	7000	PASS
NVNT	Band 5	5	20425	12	#Max	16QAM	21.61	2.66	23.46	221.8 2	7000	PASS
NVNT	Band 5	5	20425	25	#0	16QAM	21.58	2.66	23.43	220.2 9	7000	PASS
NVNT	Band 5	5	20525	1	#0	QPSK	23.52	2.66	25.37	344.3 5	7000	PASS
NVNT	Band 5	5	20525	1	#Mid	QPSK	23.84	2.66	25.69	370.6 8	7000	PASS
NVNT	Band 5	5	20525	1	#Max	QPSK	23.45	2.66	25.3	338.8 4	7000	PASS
NVNT	Band 5	5	20525	12	#0	QPSK	22.59	2.66	24.44	277.9 7	7000	PASS
NVNT	Band 5	5	20525	12	#Mid	QPSK	22.65	2.66	24.5	281.8 4	7000	PASS
NVNT	Band 5	5	20525	12	#Max	QPSK	22.51	2.66	24.36	272.9	7000	PASS
NVNT	Band 5	5	20525	25	#0	QPSK	22.61	2.66	24.46	279.2 5	7000	PASS
NVNT	Band 5	5	20525	1	#0	16QAM	22.83	2.66	24.68	293.7 6	7000	PASS
NVNT	Band	5	20525	1	#Mid	16QAM	23.13	2.66	24.98	314.7	7000	PASS

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NVNT	Band 5	5	20525	1	#Max	16QAM	22.83	2.66	24.68	293.7 6	7000	PASS
NVNT	Band 5	5	20525	12	#0	16QAM	21.57	2.66	23.42	219.7 9	7000	PASS
NVNT	Band 5	5	20525	12	#Mid	16QAM	21.59	2.66	23.44	220.8	7000	PASS
NVNT	Band 5	5	20525	12	#Max	16QAM	21.47	2.66	23.32	214.7 8	7000	PASS
NVNT	Band 5	5	20525	25	#0	16QAM	21.64	2.66	23.49	223.3 6	7000	PASS
NVNT	Band 5	5	20625	1	#0	QPSK	23.4	2.66	25.25	334.9 7	7000	PASS
NVNT	Band 5	5	20625	1	#Mid	QPSK	23.79	2.66	25.64	366.4 4	7000	PASS
NVNT	Band 5	5	20625	1	#Max	QPSK	23.42	2.66	25.27	336.5 1	7000	PASS
NVNT	Band 5	5	20625	12	#0	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	5	20625	12	#Mid	QPSK	22.64	2.66	24.49	281.1 9	7000	PASS
NVNT	Band 5	5	20625	12	#Max	QPSK	22.56	2.66	24.41	276.0 6	7000	PASS
NVNT	Band 5	5	20625	25	#0	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	5	20625	1	#0	16QAM	22.88	2.66	24.73	297.1 7	7000	PASS
NVNT	Band 5	5	20625	1	#Mid	16QAM	23.2	2.66	25.05	319.8 9	7000	PASS
NVNT	Band 5	5	20625	1	#Max	16QAM	22.75	2.66	24.6	288.4	7000	PASS
NVNT	Band 5	5	20625	12	#0	16QAM	21.61	2.66	23.46	221.8 2	7000	PASS
NVNT	Band 5	5	20625	12	#Mid	16QAM	21.67	2.66	23.52	224.9 1	7000	PASS
NVNT	Band 5	5	20625	12	#Max	16QAM	21.58	2.66	23.43	220.2 9	7000	PASS
NVNT	Band 5	5	20625	25	#0	16QAM	21.59	2.66	23.44	220.8	7000	PASS
NVNT	Band 5	10	20450	1	#0	QPSK	23.5	2.66	25.35	342.7 7	7000	PASS
NVNT	Band 5	10	20450	1	#Mid	QPSK	23.64	2.66	25.49	354	7000	PASS
NVNT	Band	10	20450	1	#Max	QPSK	23.49	2.66	25.34	341.9	7000	PASS

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NVNT	Band 5	10	20450	25	#0	QPSK	22.56	2.66	24.41	276.0 6	7000	PASS
NVNT	Band 5	10	20450	25	#Mid	QPSK	22.56	2.66	24.41	276.0 6	7000	PASS
NVNT	Band 5	10	20450	25	#Max	QPSK	22.67	2.66	24.52	283.1 4	7000	PASS
NVNT	Band 5	10	20450	50	#0	QPSK	22.61	2.66	24.46	279.2 5	7000	PASS
NVNT	Band 5	10	20450	1	#0	16QAM	22.97	2.66	24.82	303.3 9	7000	PASS
NVNT	Band 5	10	20450	1	#Mid	16QAM	23.07	2.66	24.92	310.4 6	7000	PASS
NVNT	Band 5	10	20450	1	#Max	16QAM	22.9	2.66	24.75	298.5 4	7000	PASS
NVNT	Band 5	10	20450	25	#0	16QAM	21.6	2.66	23.45	221.3 1	7000	PASS
NVNT	Band 5	10	20450	25	#Mid	16QAM	21.62	2.66	23.47	222.3 3	7000	PASS
NVNT	Band 5	10	20450	25	#Max	16QAM	21.71	2.66	23.56	226.9 9	7000	PASS
NVNT	Band 5	10	20450	50	#0	16QAM	21.65	2.66	23.5	223.8 7	7000	PASS
NVNT	Band 5	10	20525	1	#0	QPSK	23.56	2.66	25.41	347.5 4	7000	PASS
NVNT	Band 5	10	20525	1	#Mid	QPSK	23.66	2.66	25.51	355.6 3	7000	PASS
NVNT	Band 5	10	20525	1	#Max	QPSK	23.55	2.66	25.4	346.7 4	7000	PASS
NVNT	Band 5	10	20525	25	#0	QPSK	22.68	2.66	24.53	283.7 9	7000	PASS
NVNT	Band 5	10	20525	25	#Mid	QPSK	22.64	2.66	24.49	281.1 9	7000	PASS
NVNT	Band 5	10	20525	25	#Max	QPSK	22.58	2.66	24.43	277.3 3	7000	PASS
NVNT	Band 5	10	20525	50	#0	QPSK	22.62	2.66	24.47	279.9	7000	PASS
NVNT	Band 5	10	20525	1	#0	16QAM	22.71	2.66	24.56	285.7 6	7000	PASS
NVNT	Band 5	10	20525	1	#Mid	16QAM	22.88	2.66	24.73	297.1 7	7000	PASS
NVNT	Band 5	10	20525	1	#Max	16QAM	22.75	2.66	24.6	288.4	7000	PASS
NVNT	Band	10	20525	25	#0	16QAM	21.62	2.66	23.47	222.3	7000	PASS

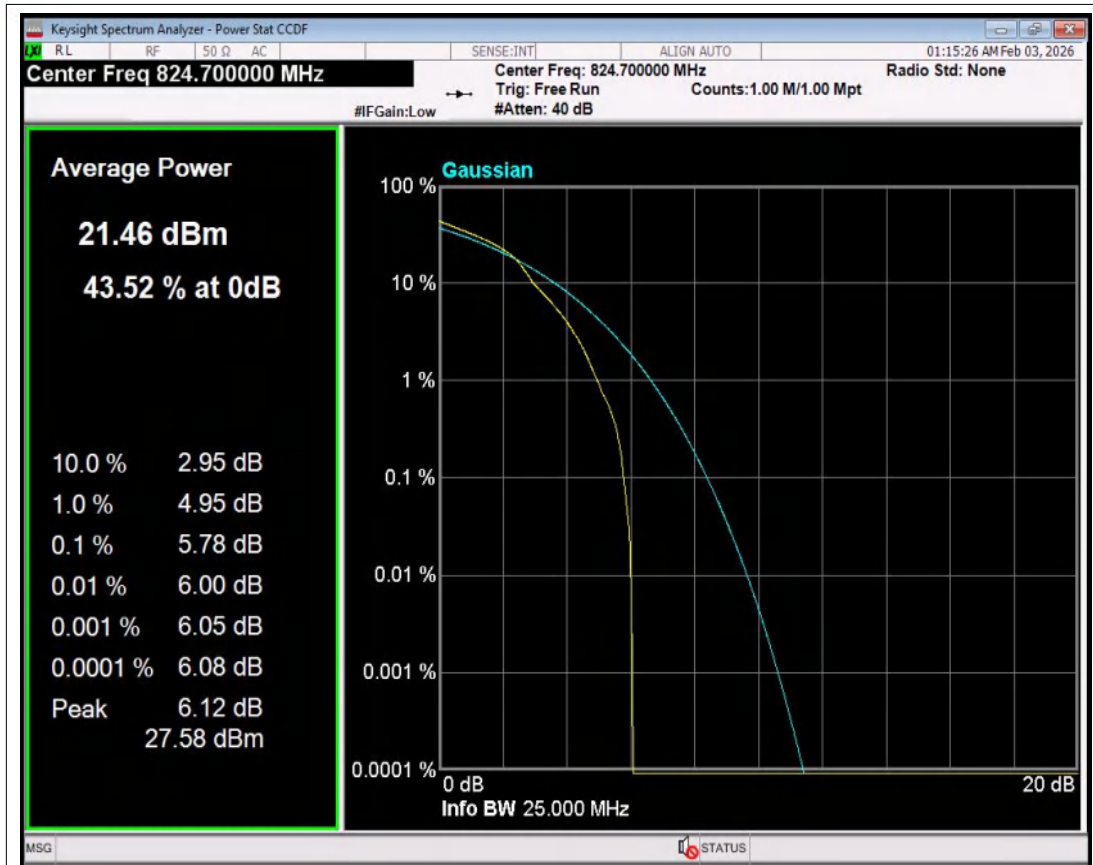
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NVNT	Band 5	10	20525	25	#Mid	16QAM	21.62	2.66	23.47	222.3 3	7000	PASS
NVNT	Band 5	10	20525	25	#Max	16QAM	21.57	2.66	23.42	219.7 9	7000	PASS
NVNT	Band 5	10	20525	50	#0	16QAM	21.65	2.66	23.5	223.8 7	7000	PASS
NVNT	Band 5	10	20600	1	#0	QPSK	23.54	2.66	25.39	345.9 4	7000	PASS
NVNT	Band 5	10	20600	1	#Mid	QPSK	23.74	2.66	25.59	362.2 4	7000	PASS
NVNT	Band 5	10	20600	1	#Max	QPSK	23.64	2.66	25.49	354	7000	PASS
NVNT	Band 5	10	20600	25	#0	QPSK	22.67	2.66	24.52	283.1 4	7000	PASS
NVNT	Band 5	10	20600	25	#Mid	QPSK	22.65	2.66	24.5	281.8 4	7000	PASS
NVNT	Band 5	10	20600	25	#Max	QPSK	22.59	2.66	24.44	277.9 7	7000	PASS
NVNT	Band 5	10	20600	50	#0	QPSK	22.68	2.66	24.53	283.7 9	7000	PASS
NVNT	Band 5	10	20600	1	#0	16QAM	22.44	2.66	24.29	268.5 3	7000	PASS
NVNT	Band 5	10	20600	1	#Mid	16QAM	22.62	2.66	24.47	279.9	7000	PASS
NVNT	Band 5	10	20600	1	#Max	16QAM	22.43	2.66	24.28	267.9 2	7000	PASS
NVNT	Band 5	10	20600	25	#0	16QAM	21.71	2.66	23.56	226.9 9	7000	PASS
NVNT	Band 5	10	20600	25	#Mid	16QAM	21.66	2.66	23.51	224.3 9	7000	PASS
NVNT	Band 5	10	20600	25	#Max	16QAM	21.63	2.66	23.48	222.8 4	7000	PASS
NVNT	Band 5	10	20600	50	#0	16QAM	21.7	2.66	23.55	226.4 6	7000	PASS

02 Frequency stability

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
NVNT	Band5	10	20450	50	#0	QPSK	1.57	0.002	-2.5	2.5	PASS
NVNT	Band5	10	20450	50	#0	16QAM	1.34	0.002	-2.5	2.5	PASS
NVNT	Band5	10	20525	50	#0	QPSK	3.62	0.004	-2.5	2.5	PASS
NVNT	Band5	10	20525	50	#0	16QAM	3.45	0.004	-2.5	2.5	PASS
NVNT	Band5	10	20600	50	#0	QPSK	0.11	0.000	-2.5	2.5	PASS
NVNT	Band5	10	20600	50	#0	16QAM	0.13	0.000	-2.5	2.5	PASS
LVLT	Band5	10	20450	50	#0	QPSK	3.38	0.004	-2.5	2.5	PASS
LVLT	Band5	10	20450	50	#0	16QAM	2.53	0.003	-2.5	2.5	PASS
LVLT	Band5	10	20525	50	#0	QPSK	4.61	0.006	-2.5	2.5	PASS
LVLT	Band5	10	20525	50	#0	16QAM	5.21	0.006	-2.5	2.5	PASS
LVLT	Band5	10	20600	50	#0	QPSK	0.63	0.001	-2.5	2.5	PASS
LVLT	Band5	10	20600	50	#0	16QAM	1.22	0.001	-2.5	2.5	PASS
LVHT	Band5	10	20450	50	#0	QPSK	2.42	0.003	-2.5	2.5	PASS
LVHT	Band5	10	20450	50	#0	16QAM	2.52	0.003	-2.5	2.5	PASS
LVHT	Band5	10	20525	50	#0	QPSK	5.62	0.007	-2.5	2.5	PASS
LVHT	Band5	10	20525	50	#0	16QAM	4.33	0.005	-2.5	2.5	PASS
LVHT	Band5	10	20600	50	#0	QPSK	-0.39	0.000	-2.5	2.5	PASS
LVHT	Band5	10	20600	50	#0	16QAM	0.57	0.001	-2.5	2.5	PASS
HVLT	Band5	10	20450	50	#0	QPSK	1.80	0.002	-2.5	2.5	PASS
HVLT	Band5	10	20450	50	#0	16QAM	2.33	0.003	-2.5	2.5	PASS
HVLT	Band5	10	20525	50	#0	QPSK	4.62	0.006	-2.5	2.5	PASS
HVLT	Band5	10	20525	50	#0	16QAM	5.79	0.007	-2.5	2.5	PASS
HVLT	Band5	10	20600	50	#0	QPSK	0.29	0.000	-2.5	2.5	PASS
HVLT	Band5	10	20600	50	#0	16QAM	0.67	0.001	-2.5	2.5	PASS
HVHT	Band5	10	20450	50	#0	QPSK	2.76	0.003	-2.5	2.5	PASS
HVHT	Band5	10	20450	50	#0	16QAM	2.68	0.003	-2.5	2.5	PASS
HVHT	Band5	10	20525	50	#0	QPSK	5.51	0.007	-2.5	2.5	PASS
HVHT	Band5	10	20525	50	#0	16QAM	5.71	0.007	-2.5	2.5	PASS
HVHT	Band5	10	20600	50	#0	QPSK	0.11	0.000	-2.5	2.5	PASS
HVHT	Band5	10	20600	50	#0	16QAM	1.44	0.002	-2.5	2.5	PASS

03 Peak-to-Average Ratio

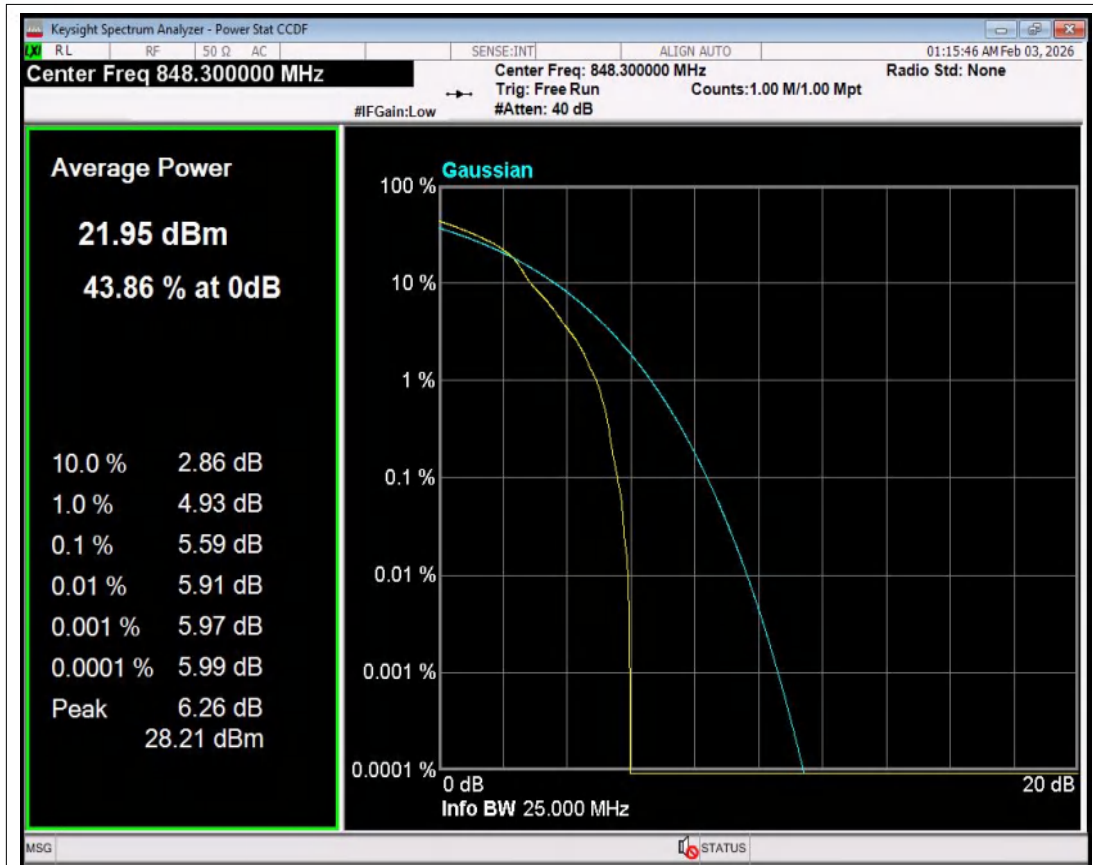
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band5	1.4	20407	1	#0	QPSK	5.42	13	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	5.78	13	PASS
NVNT	Band5	1.4	20525	1	#0	QPSK	5.37	13	PASS
NVNT	Band5	1.4	20525	1	#0	16QAM	6.00	13	PASS
NVNT	Band5	1.4	20643	1	#0	QPSK	5.20	13	PASS
NVNT	Band5	1.4	20643	1	#0	16QAM	5.59	13	PASS
NVNT	Band5	3	20415	1	#0	QPSK	5.70	13	PASS
NVNT	Band5	3	20415	1	#0	16QAM	5.87	13	PASS
NVNT	Band5	3	20525	1	#0	QPSK	5.22	13	PASS
NVNT	Band5	3	20525	1	#0	16QAM	6.07	13	PASS
NVNT	Band5	3	20635	1	#0	QPSK	5.10	13	PASS
NVNT	Band5	3	20635	1	#0	16QAM	5.60	13	PASS
NVNT	Band5	5	20425	1	#0	QPSK	5.25	13	PASS
NVNT	Band5	5	20425	1	#0	16QAM	5.85	13	PASS
NVNT	Band5	5	20525	1	#0	QPSK	5.41	13	PASS
NVNT	Band5	5	20525	1	#0	16QAM	5.98	13	PASS
NVNT	Band5	5	20625	1	#0	QPSK	5.17	13	PASS
NVNT	Band5	5	20625	1	#0	16QAM	5.76	13	PASS
NVNT	Band5	10	20450	1	#0	QPSK	5.30	13	PASS
NVNT	Band5	10	20450	1	#0	16QAM	5.83	13	PASS
NVNT	Band5	10	20525	1	#0	QPSK	5.30	13	PASS
NVNT	Band5	10	20525	1	#0	16QAM	5.64	13	PASS
NVNT	Band5	10	20600	1	#0	QPSK	5.39	13	PASS
NVNT	Band5	10	20600	1	#0	16QAM	6.03	13	PASS



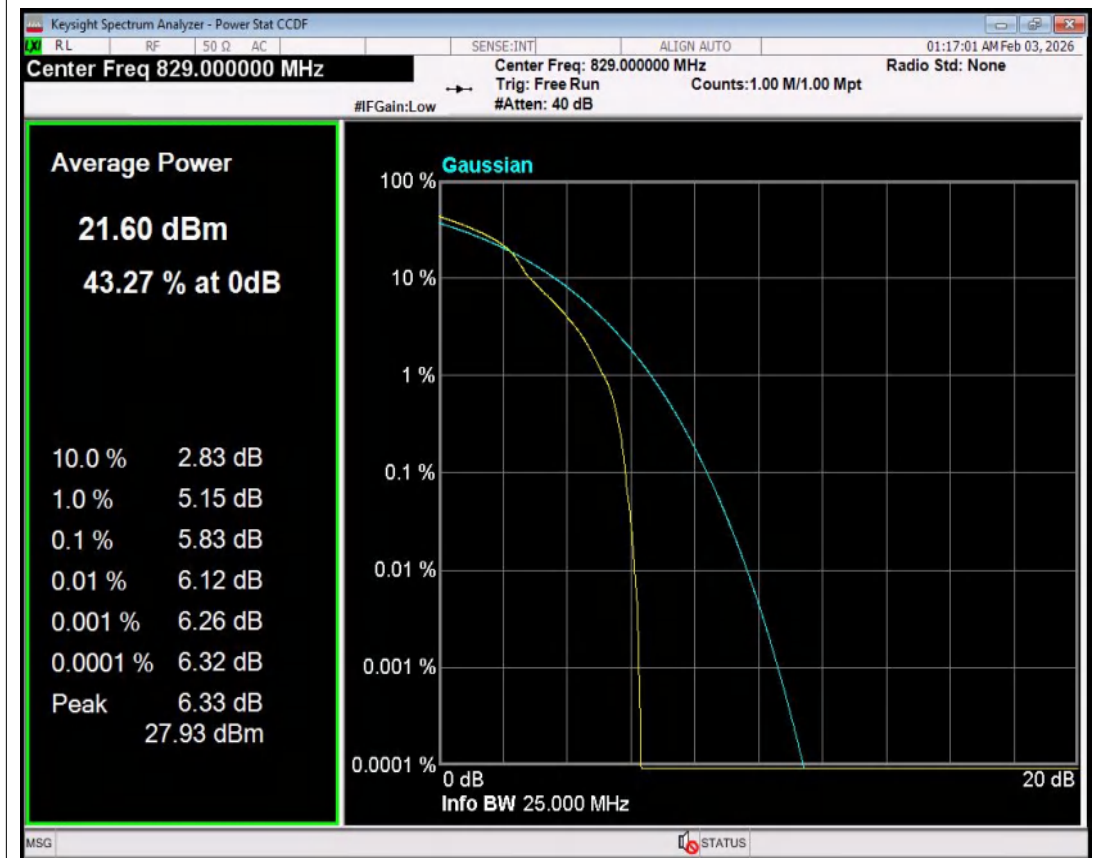
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT



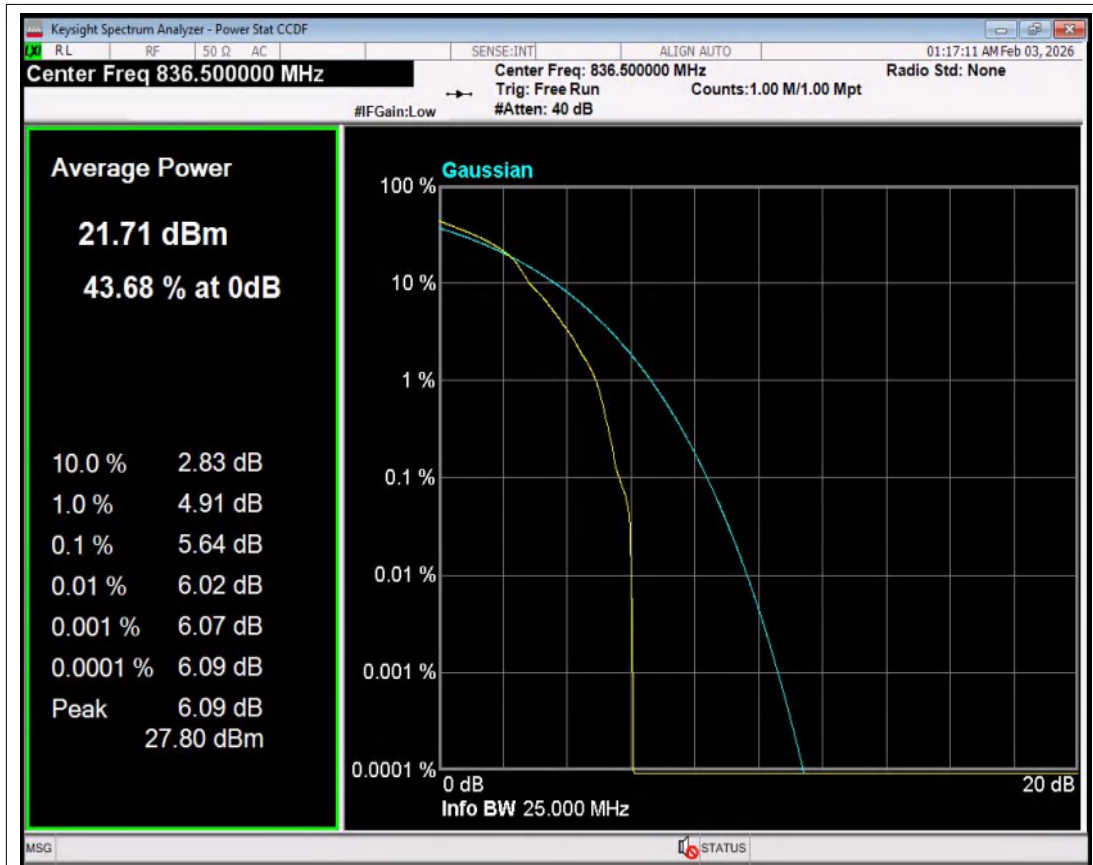
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT



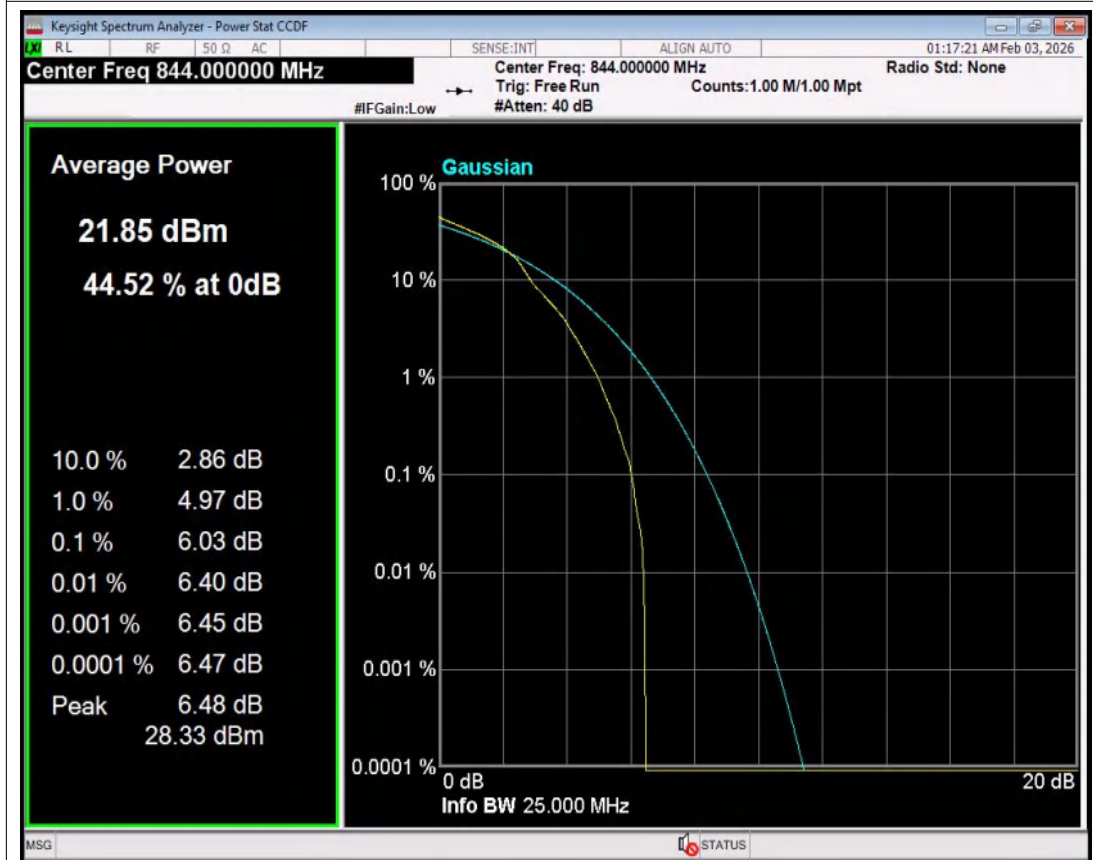
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0 NVNT



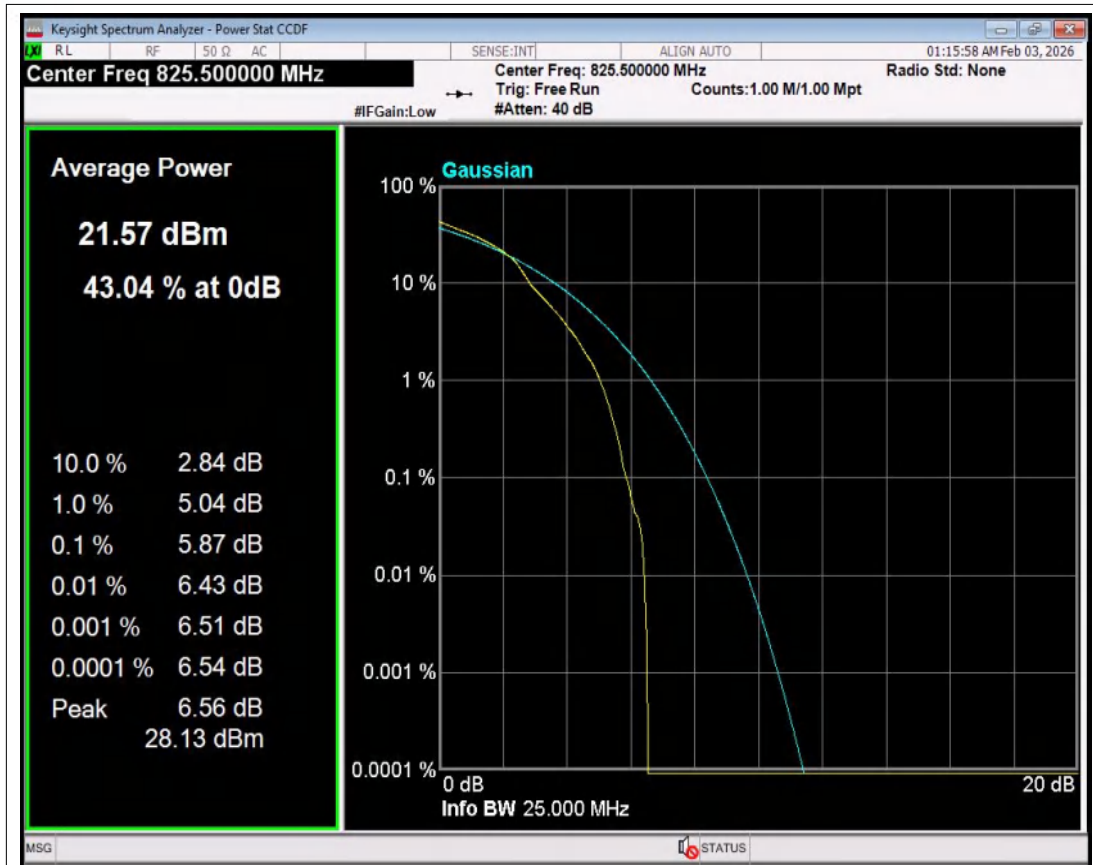
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



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



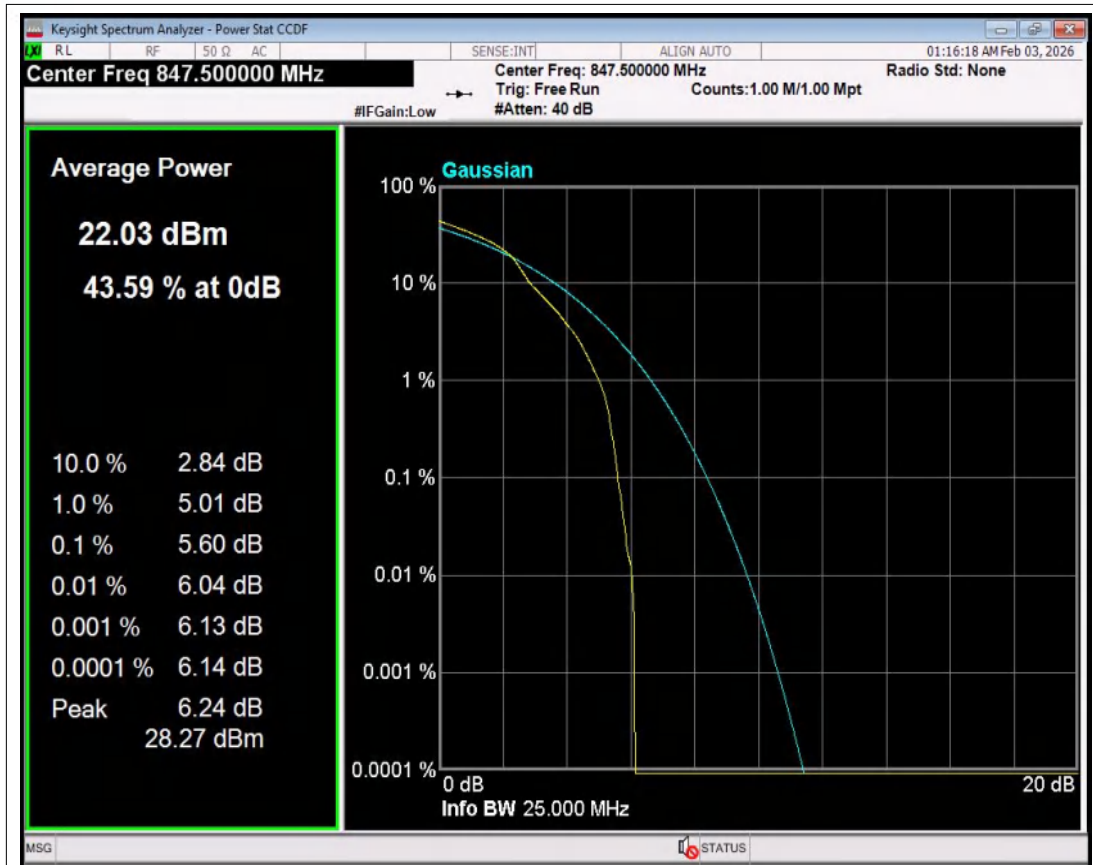
Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0 NVNT



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



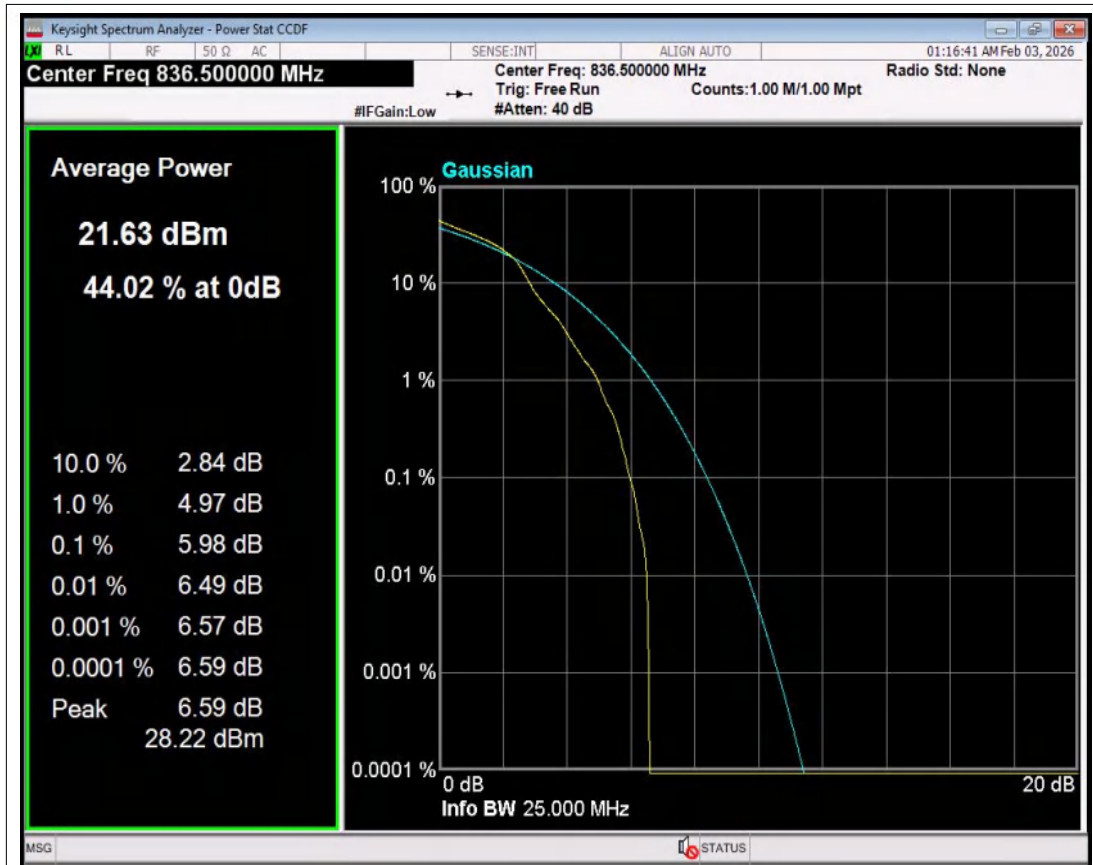
Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT



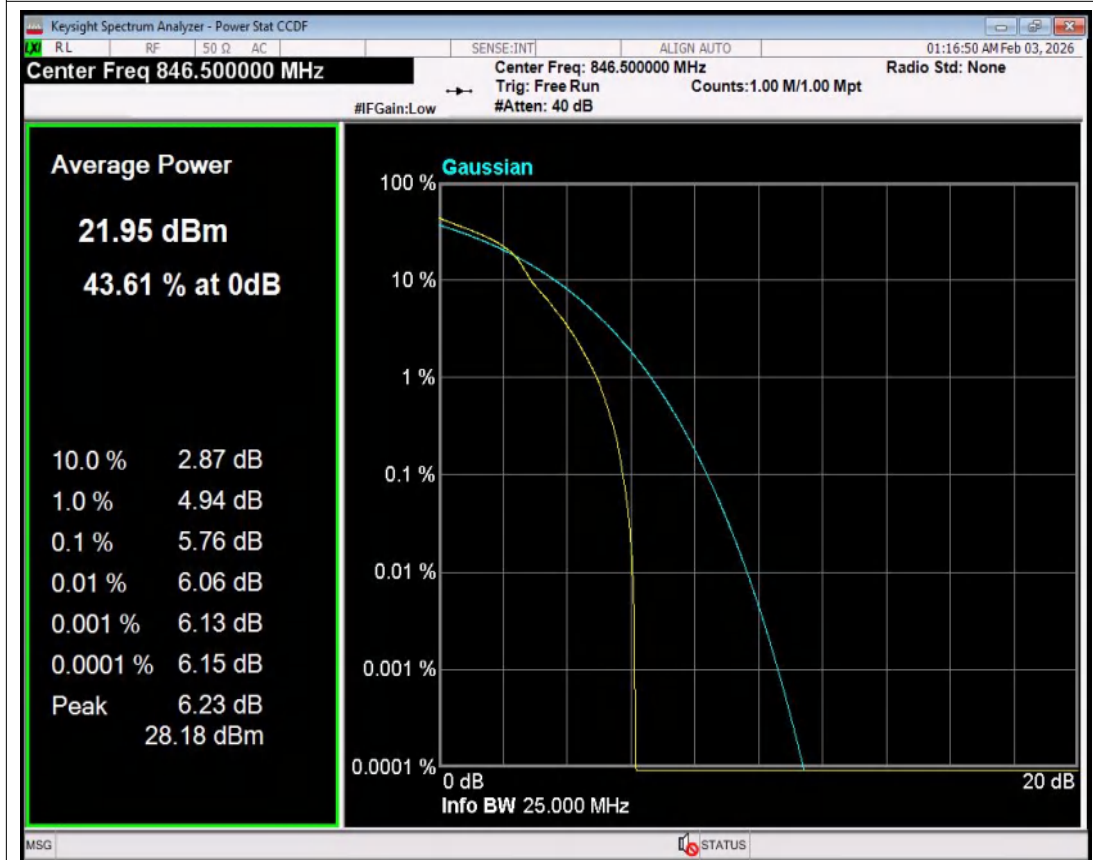
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0 NVNT



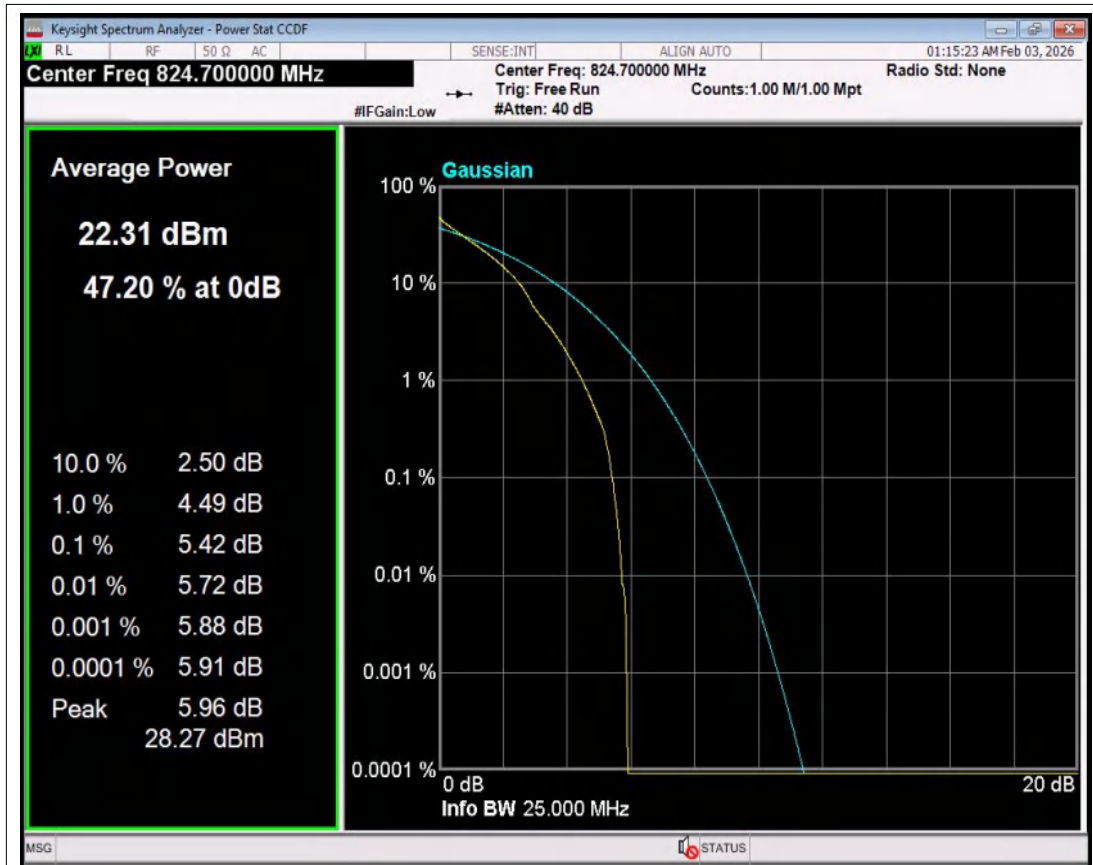
Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0 NVNT



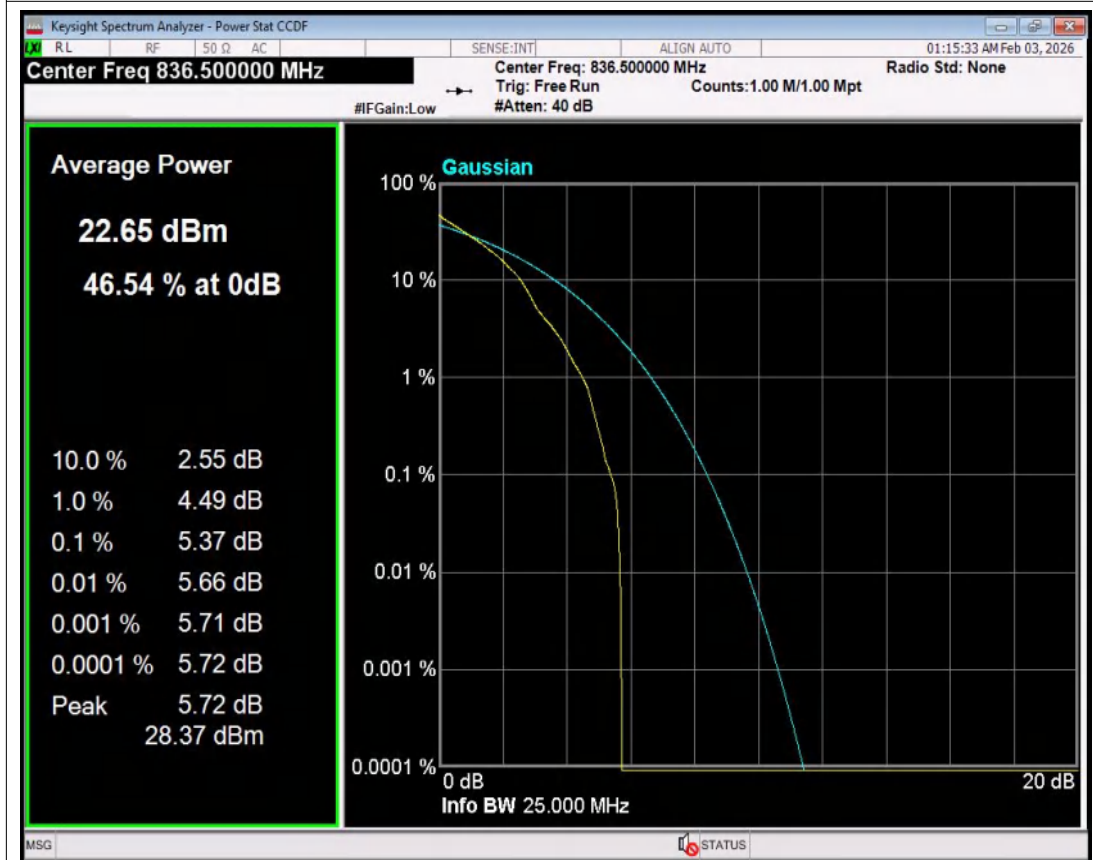
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT



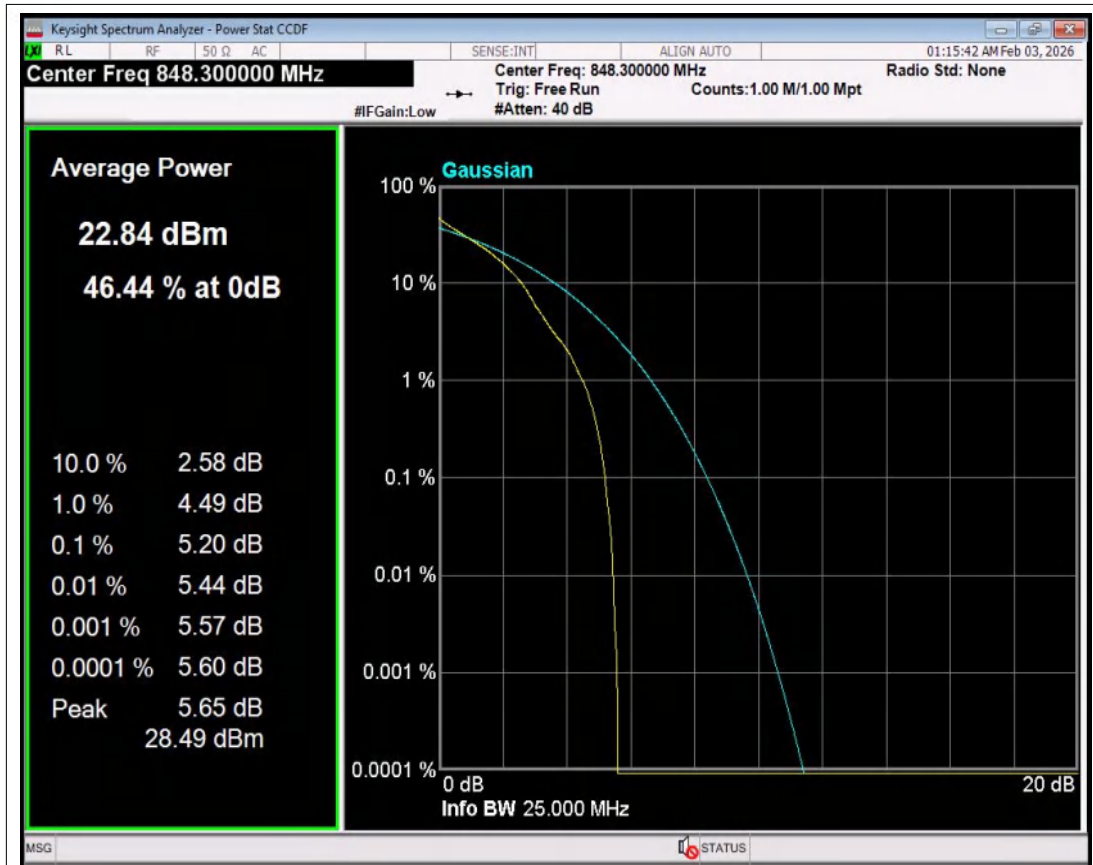
Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0 NVNT



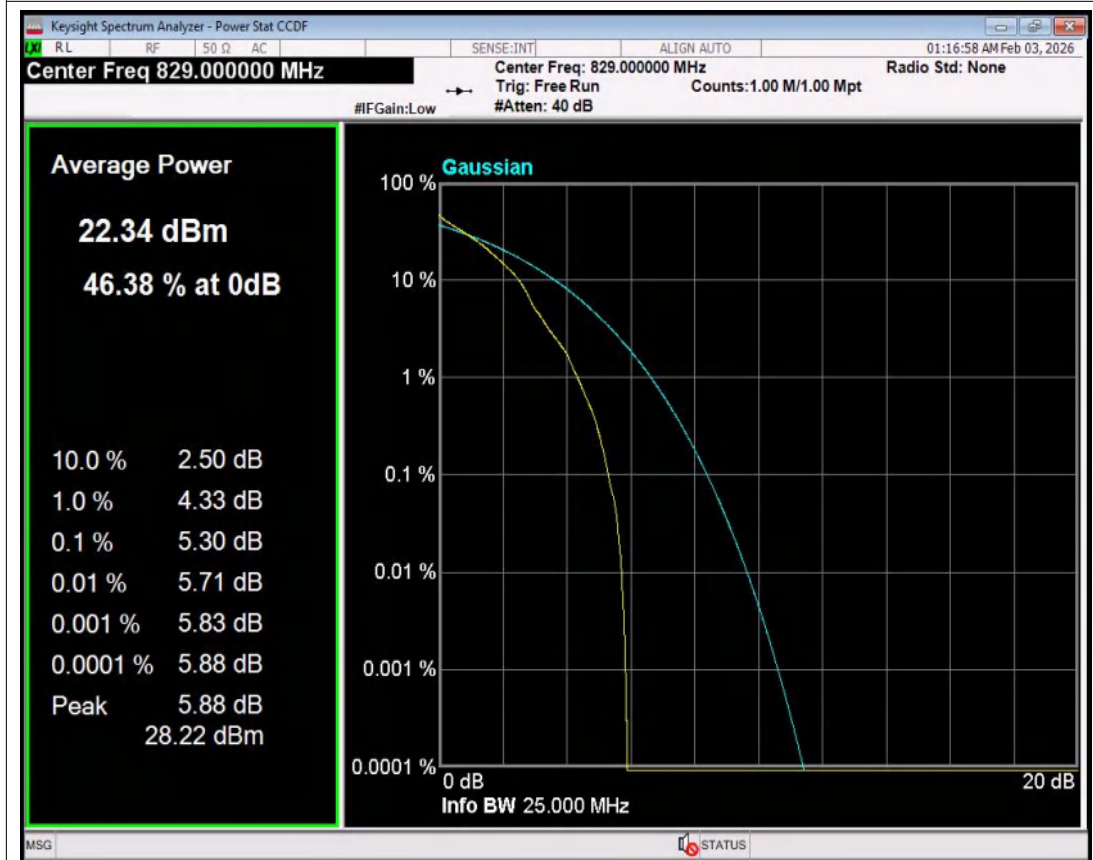
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0 NVNT



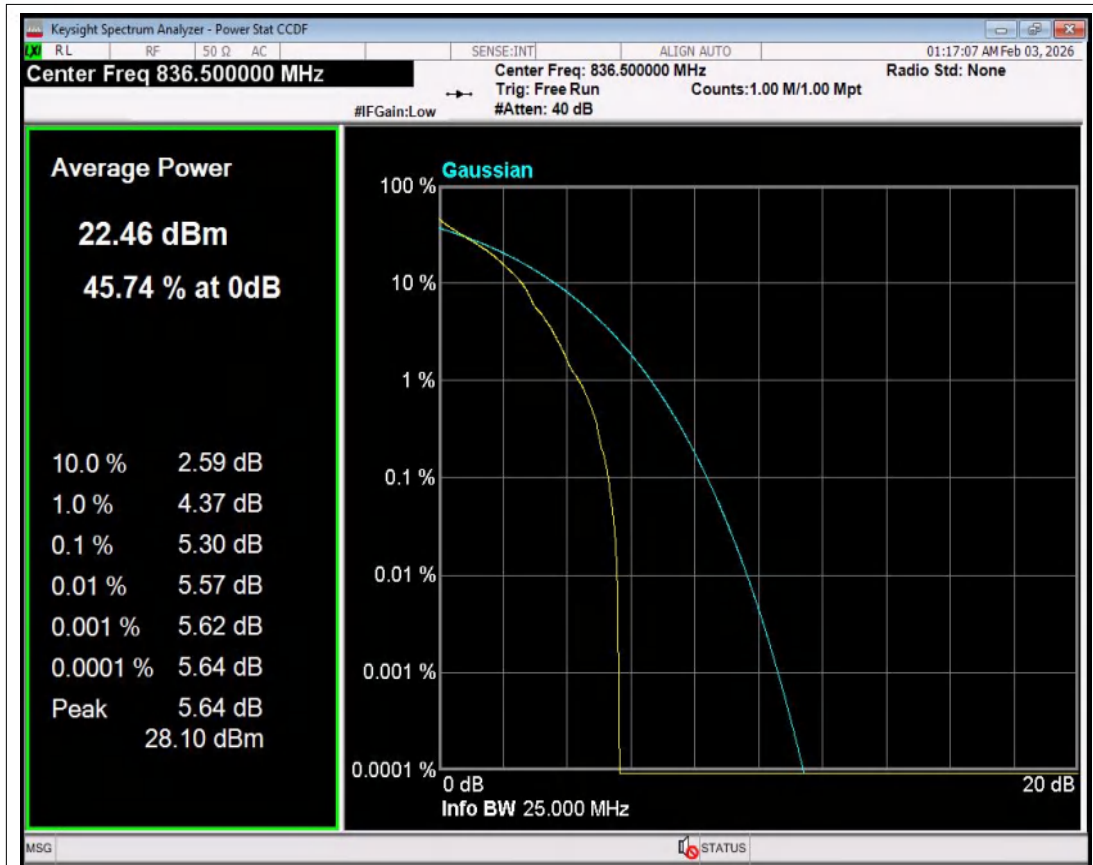
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0 NVNT



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



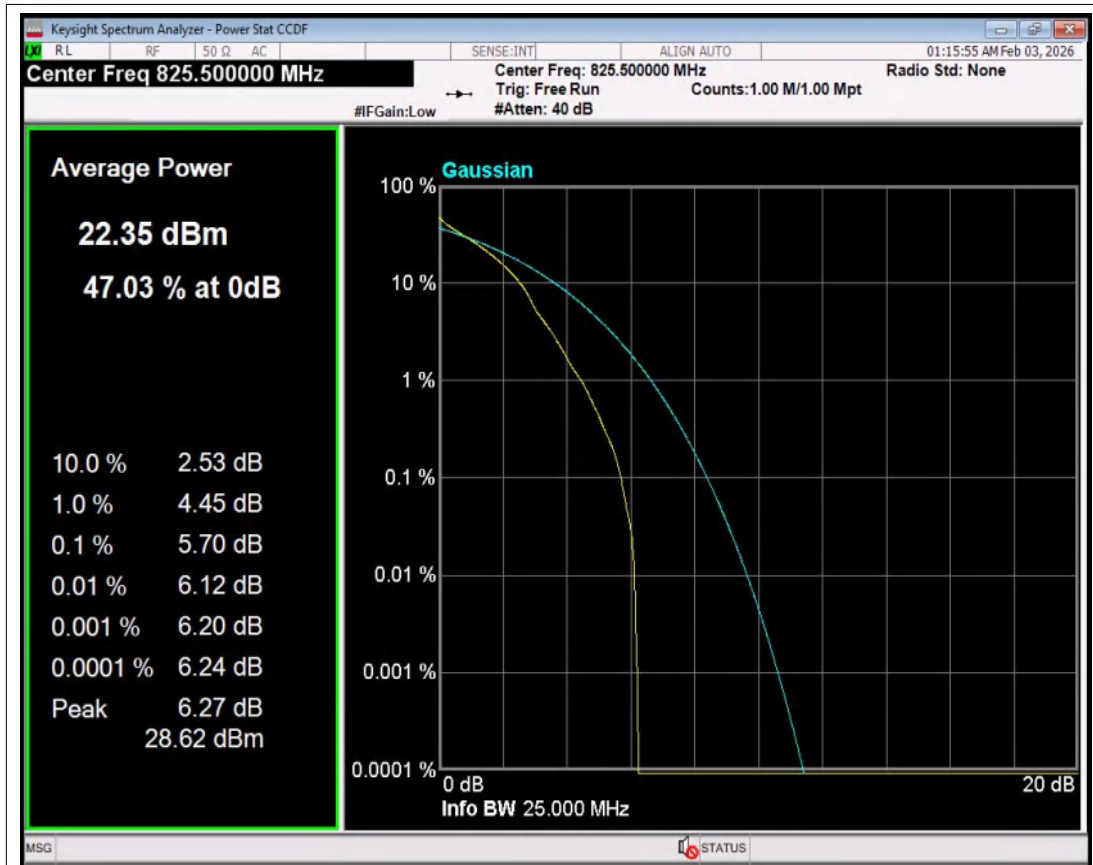
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



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



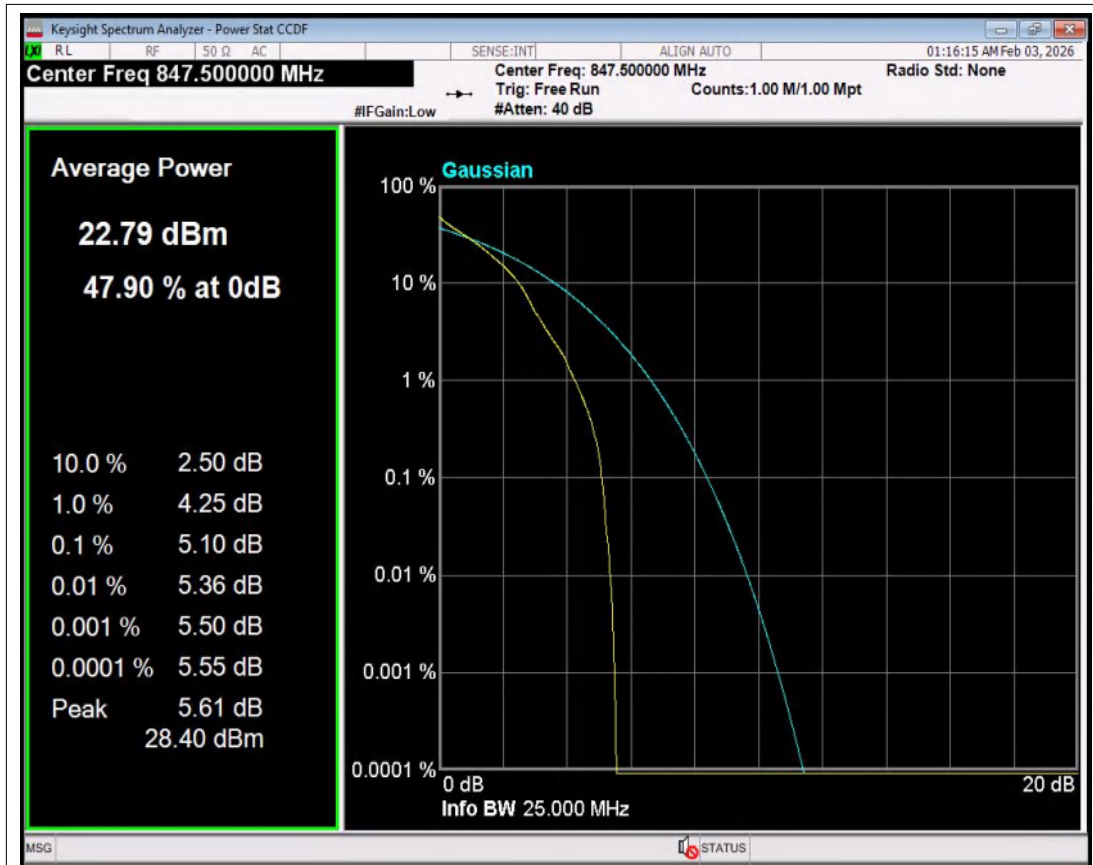
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0 NVNT



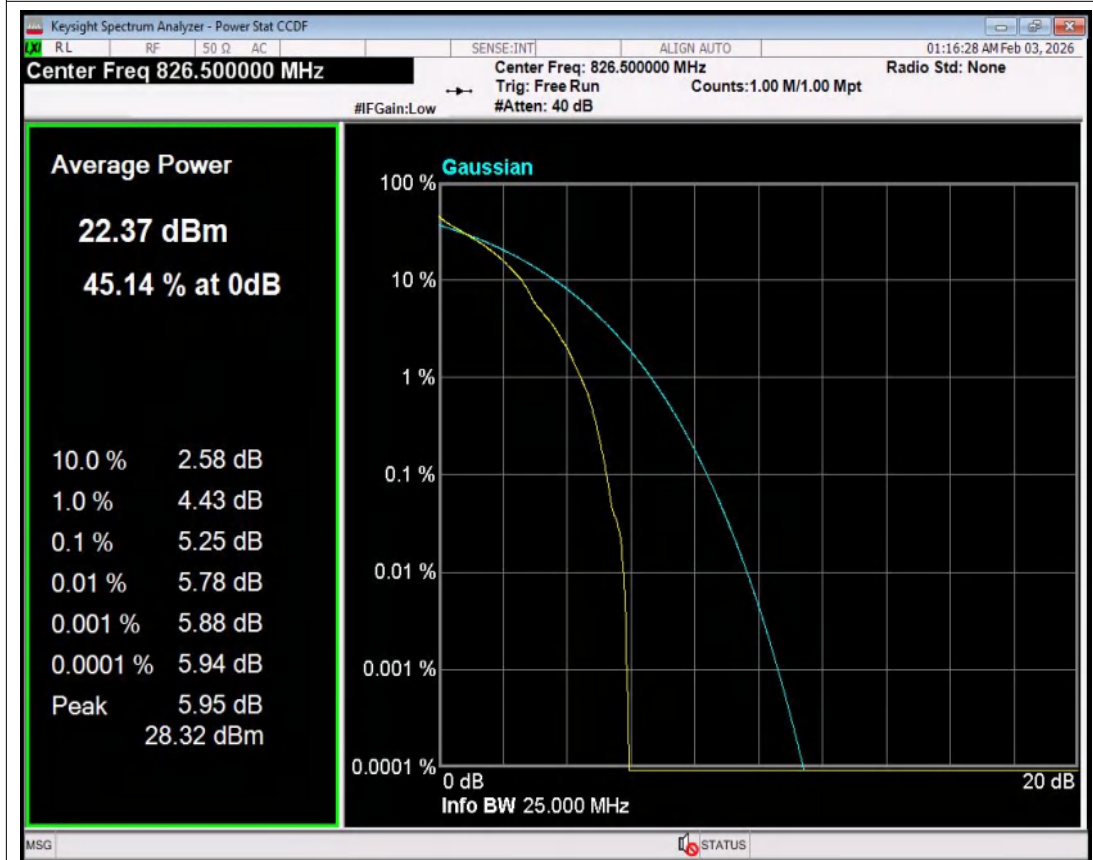
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0 NVNT



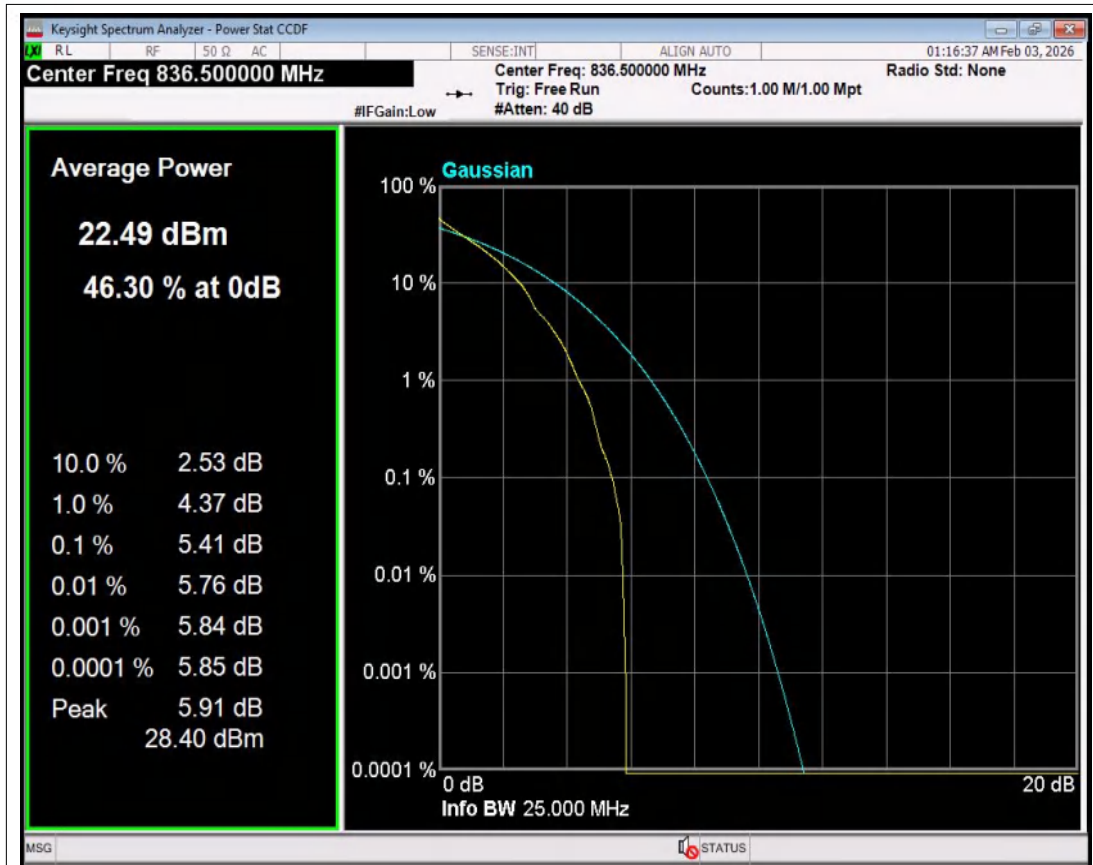
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0 NVNT



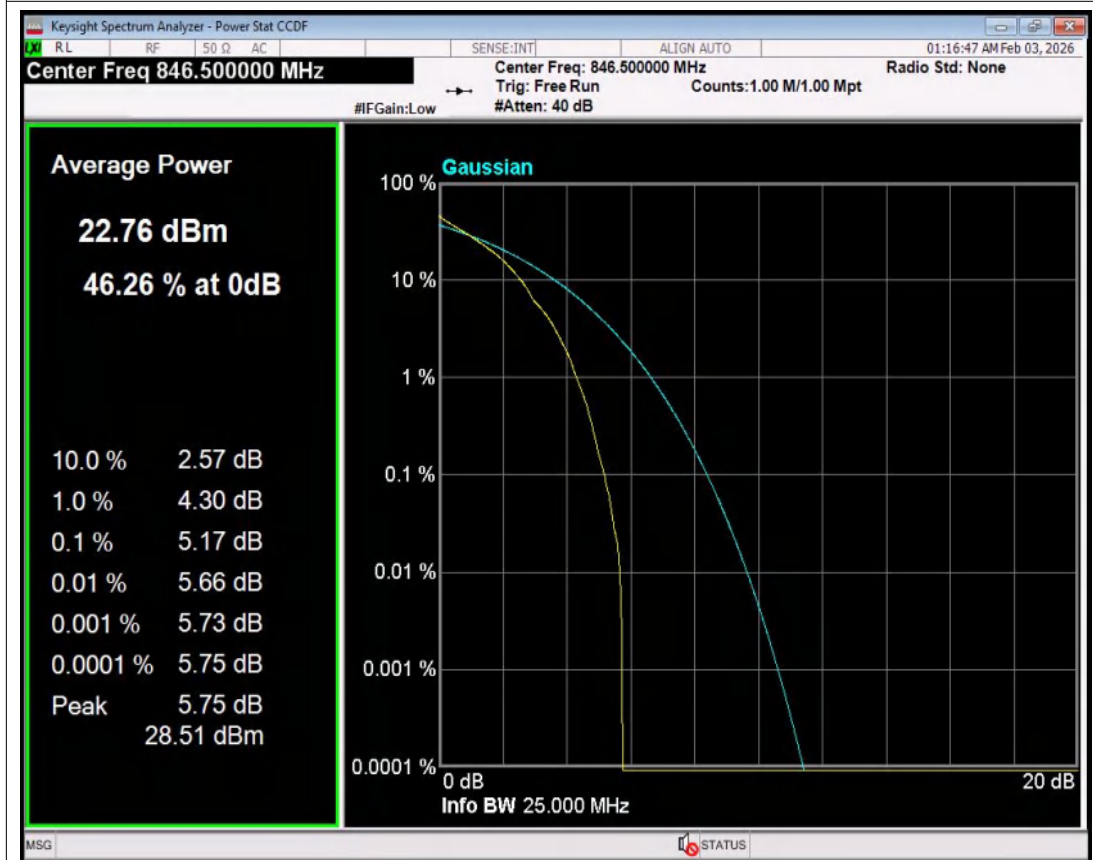
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0 NVNT



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



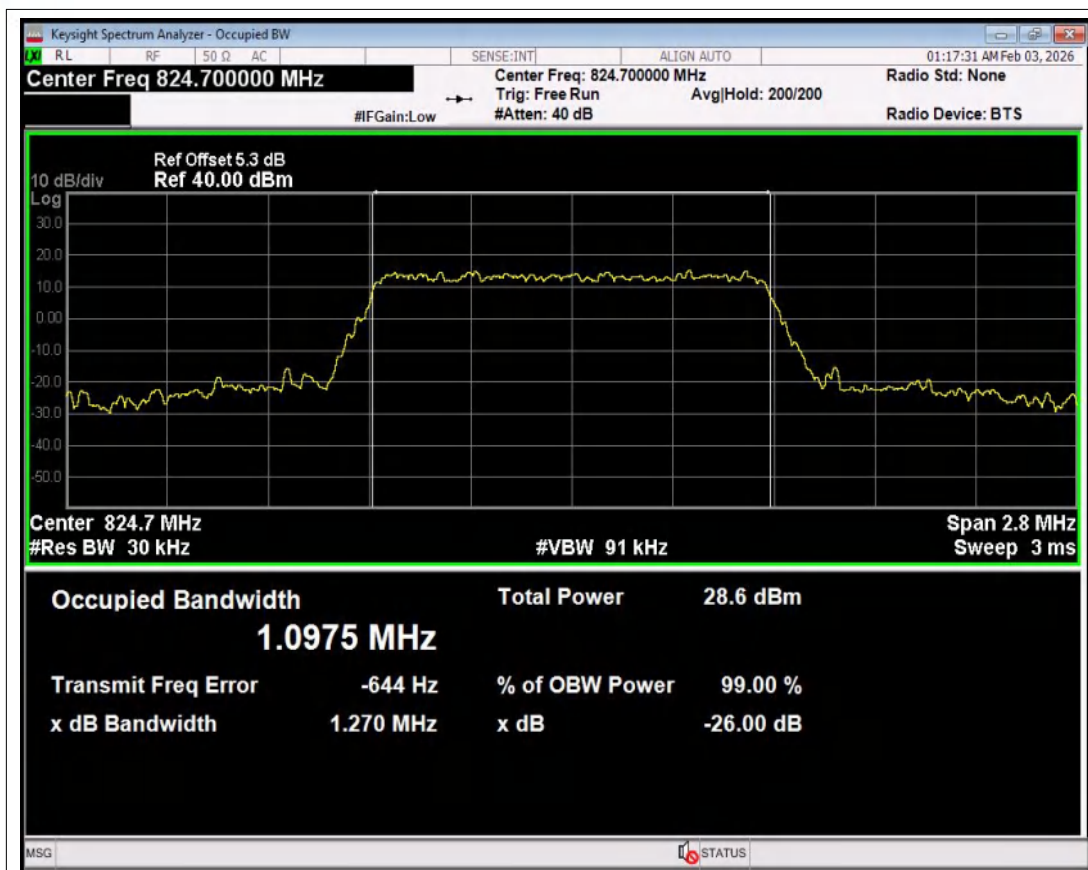
Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0 NVNT



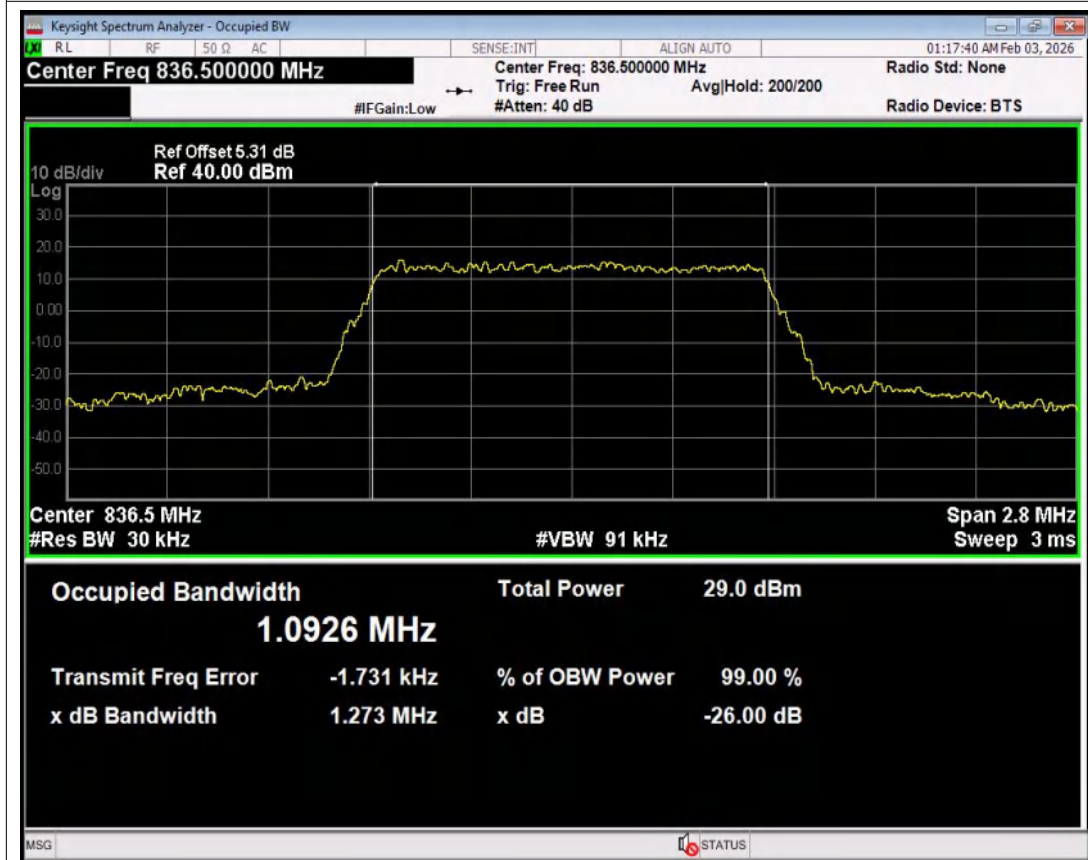
Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0 NVNT

04 Occupied bandwidth

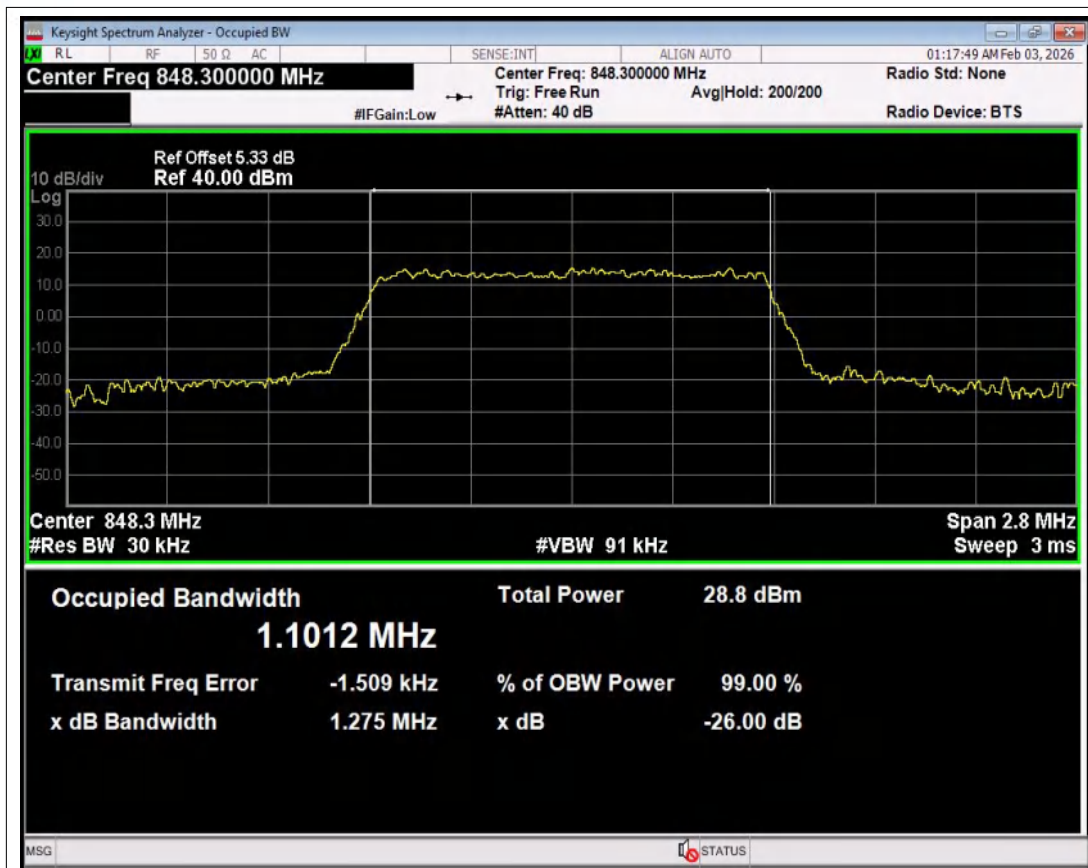
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	1.103	1.275	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	1.098	1.270	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	1.097	1.277	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	1.093	1.273	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	1.102	1.272	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	1.101	1.275	PASS
NVNT	Band5	3	20415	15	#0	QPSK	2.710	2.998	PASS
NVNT	Band5	3	20415	15	#0	16QAM	2.707	3.030	PASS
NVNT	Band5	3	20525	15	#0	QPSK	2.705	3.014	PASS
NVNT	Band5	3	20525	15	#0	16QAM	2.695	3.042	PASS
NVNT	Band5	3	20635	15	#0	QPSK	2.703	3.056	PASS
NVNT	Band5	3	20635	15	#0	16QAM	2.715	3.047	PASS
NVNT	Band5	5	20425	25	#0	QPSK	4.523	4.980	PASS
NVNT	Band5	5	20425	25	#0	16QAM	4.524	5.009	PASS
NVNT	Band5	5	20525	25	#0	QPSK	4.500	4.965	PASS
NVNT	Band5	5	20525	25	#0	16QAM	4.536	4.998	PASS
NVNT	Band5	5	20625	25	#0	QPSK	4.508	4.990	PASS
NVNT	Band5	5	20625	25	#0	16QAM	4.523	4.990	PASS
NVNT	Band5	10	20450	50	#0	QPSK	8.994	9.962	PASS
NVNT	Band5	10	20450	50	#0	16QAM	9.016	9.964	PASS
NVNT	Band5	10	20525	50	#0	QPSK	9.013	10.052	PASS
NVNT	Band5	10	20525	50	#0	16QAM	9.042	10.062	PASS
NVNT	Band5	10	20600	50	#0	QPSK	9.034	10.062	PASS
NVNT	Band5	10	20600	50	#0	16QAM	9.001	10.070	PASS



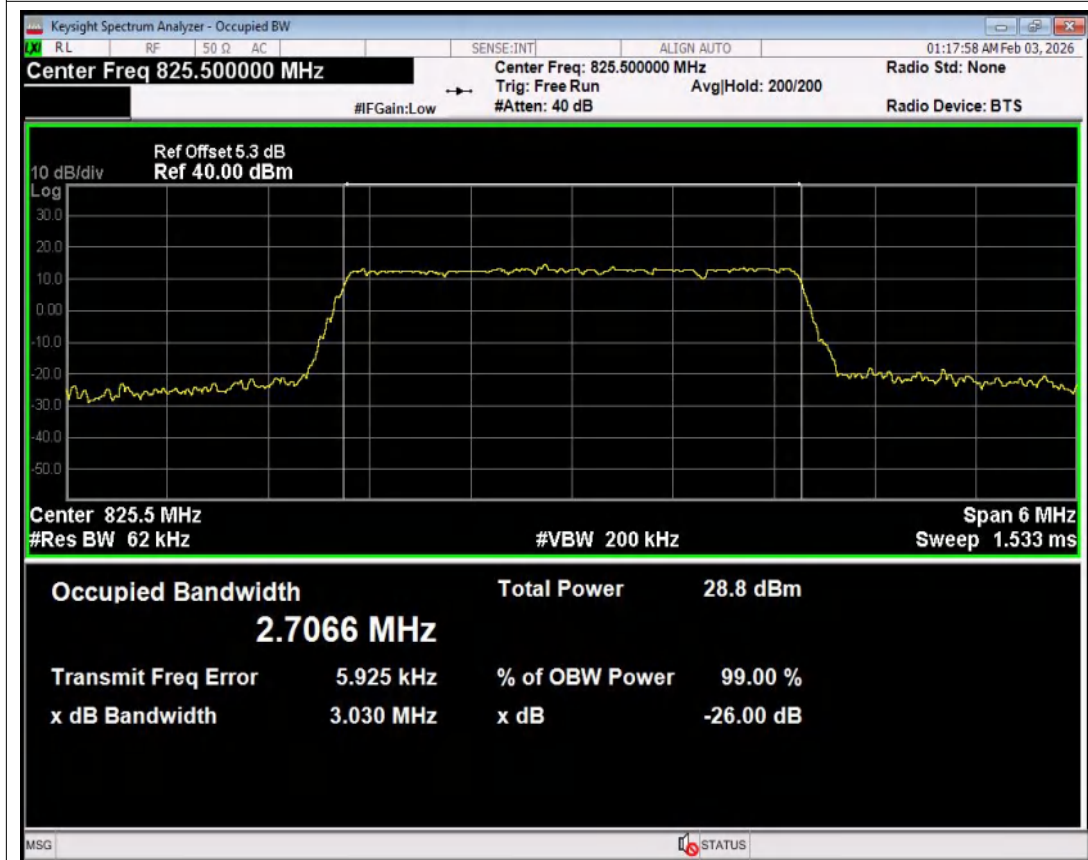
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



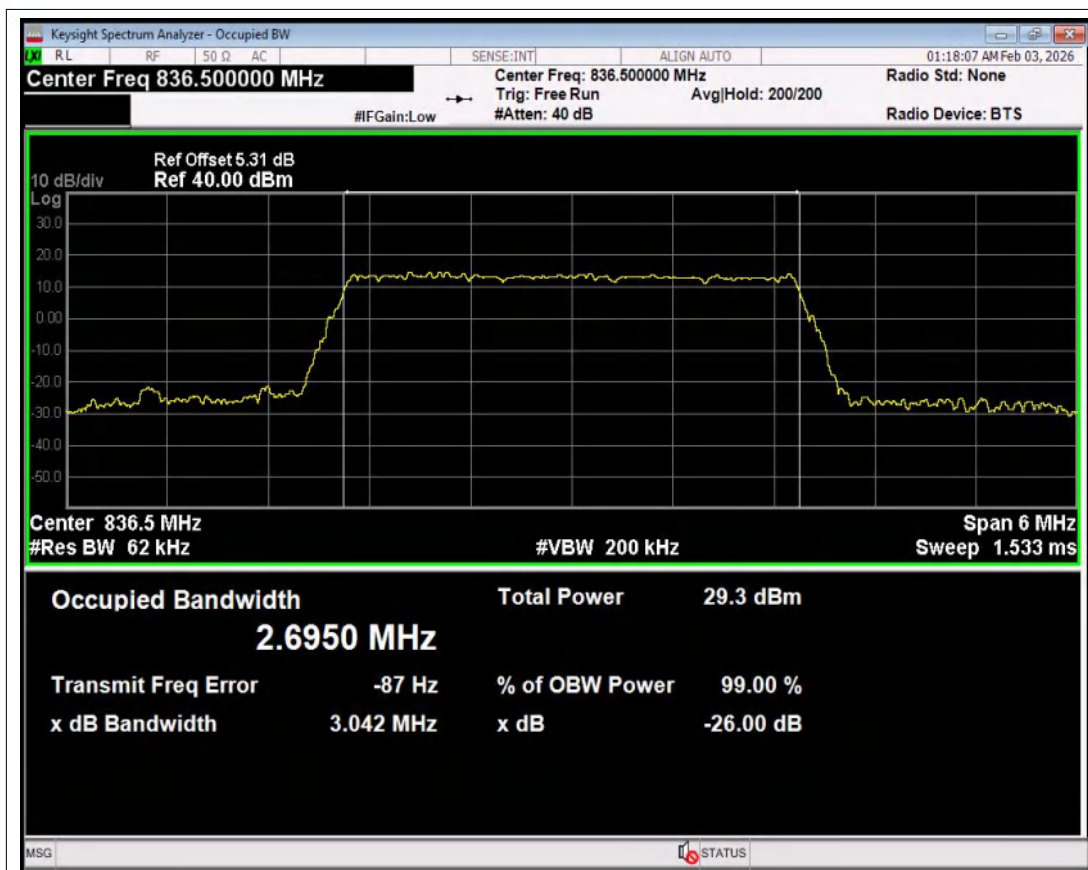
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



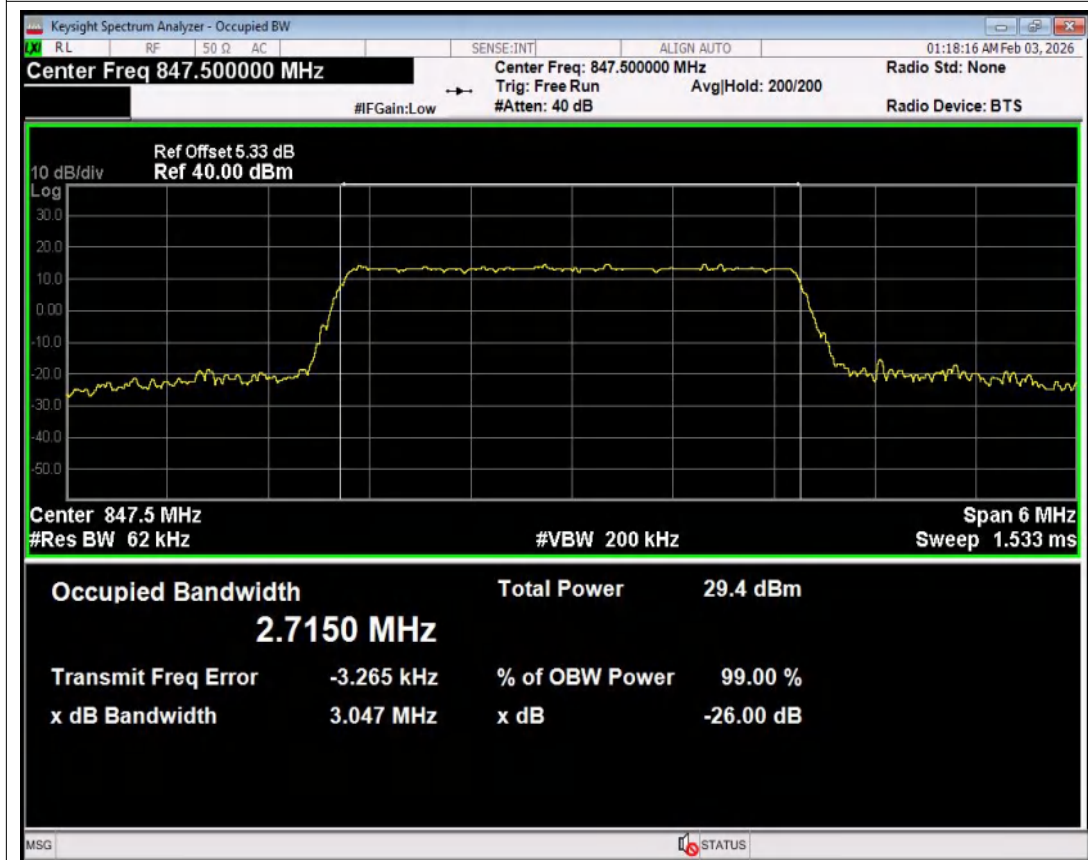
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



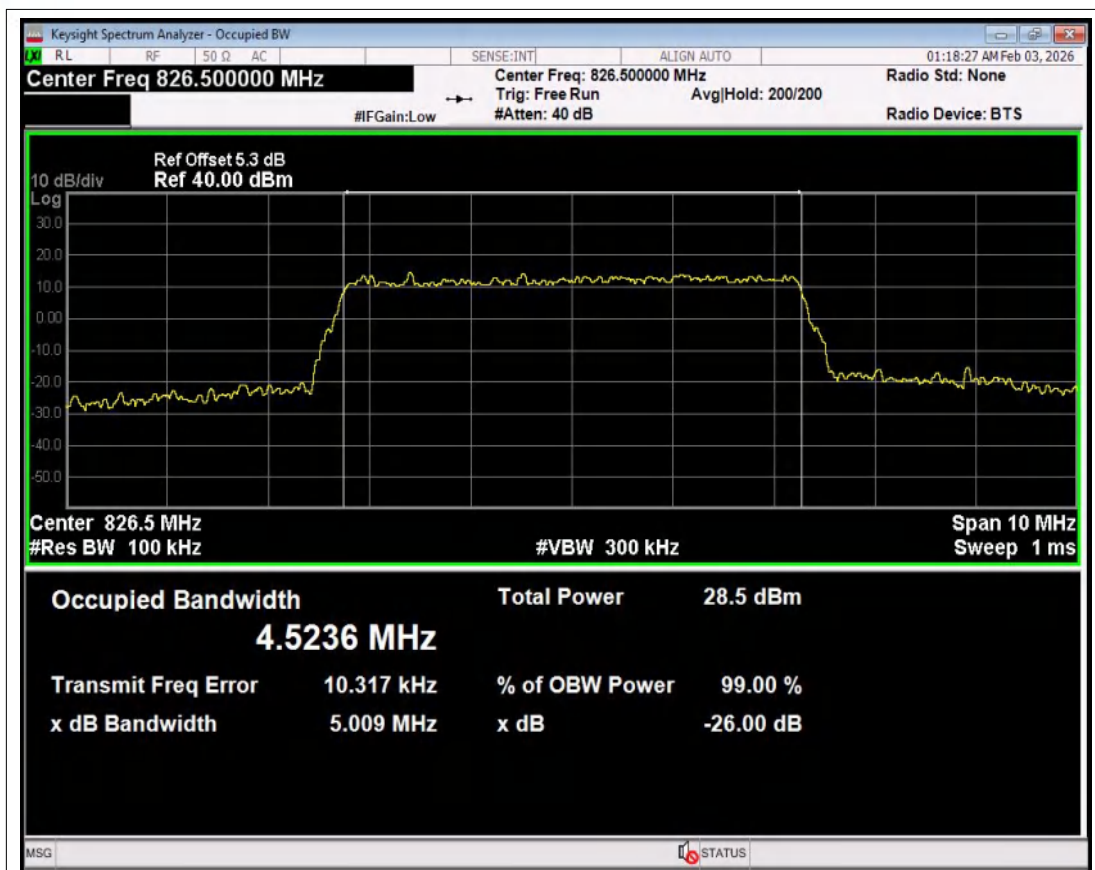
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



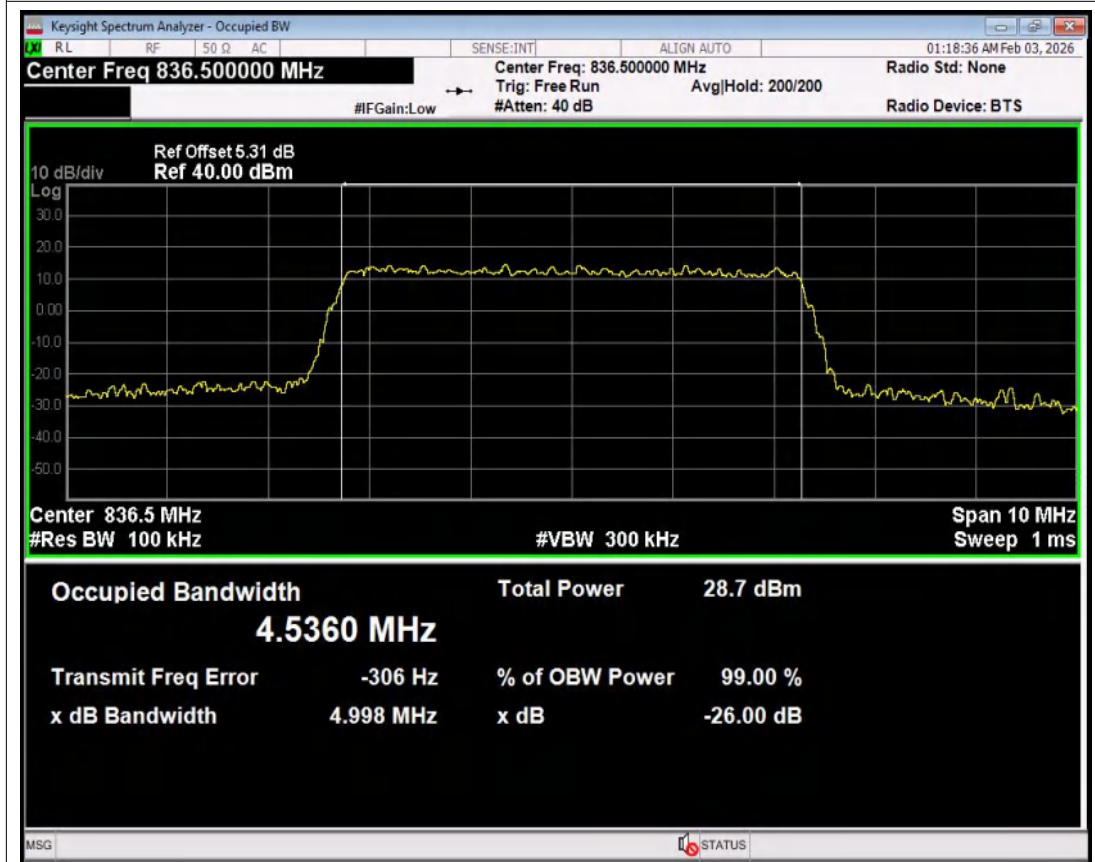
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



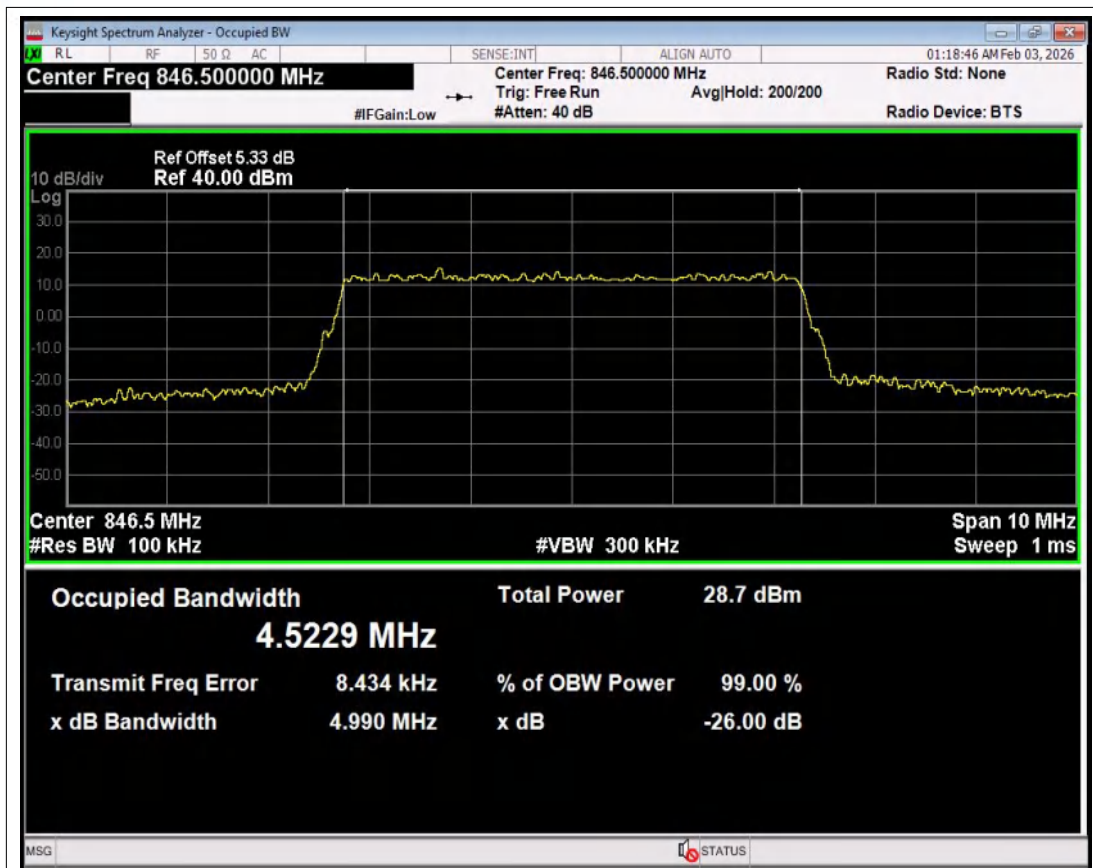
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



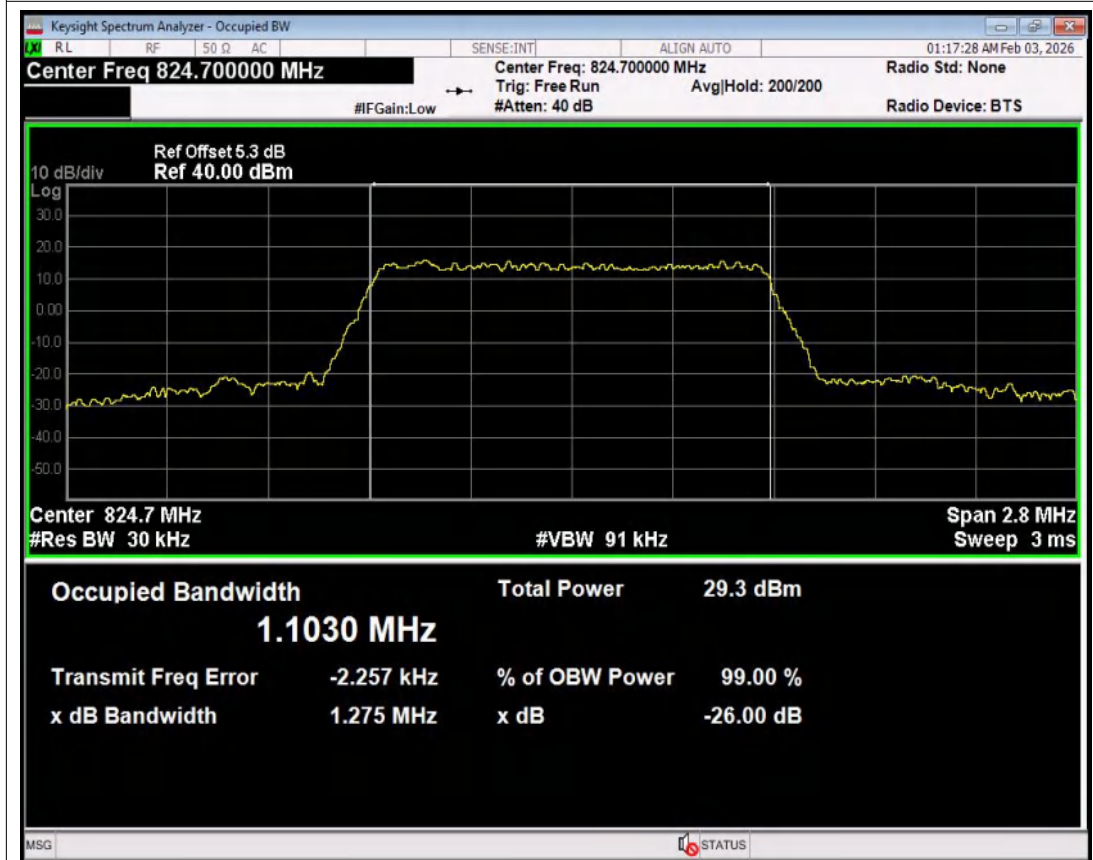
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



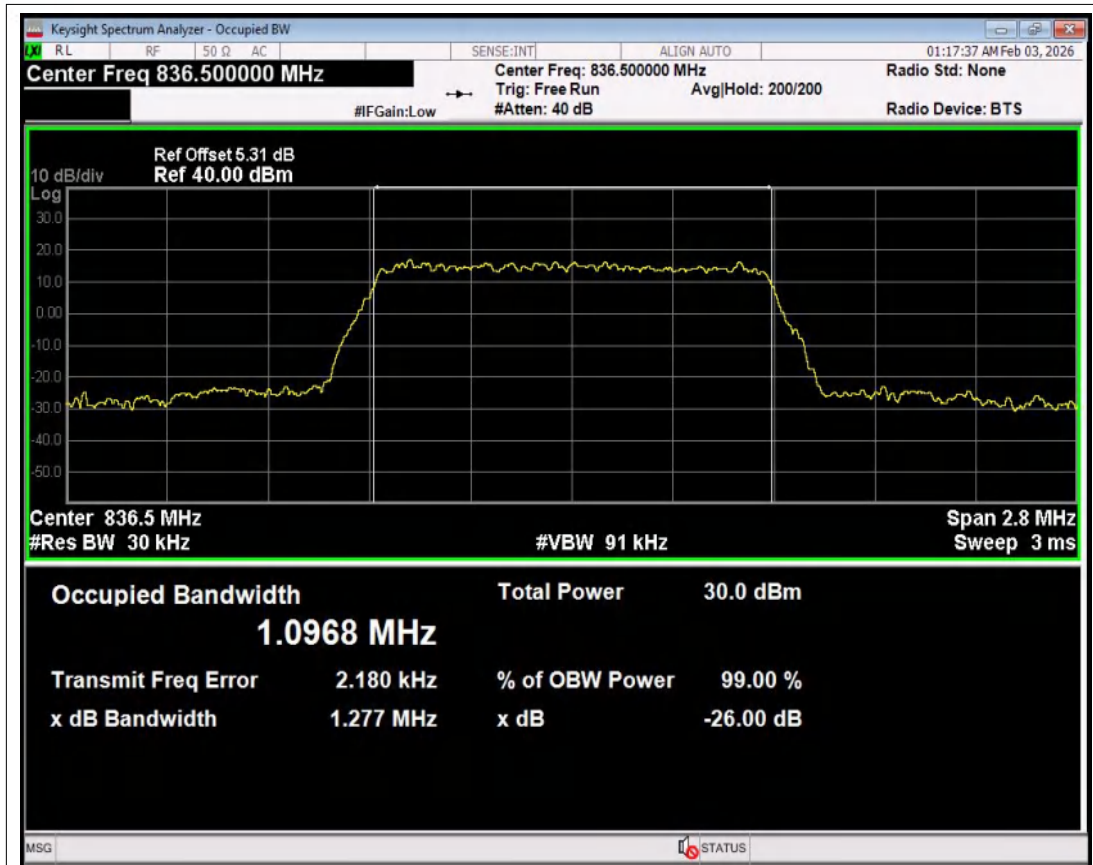
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



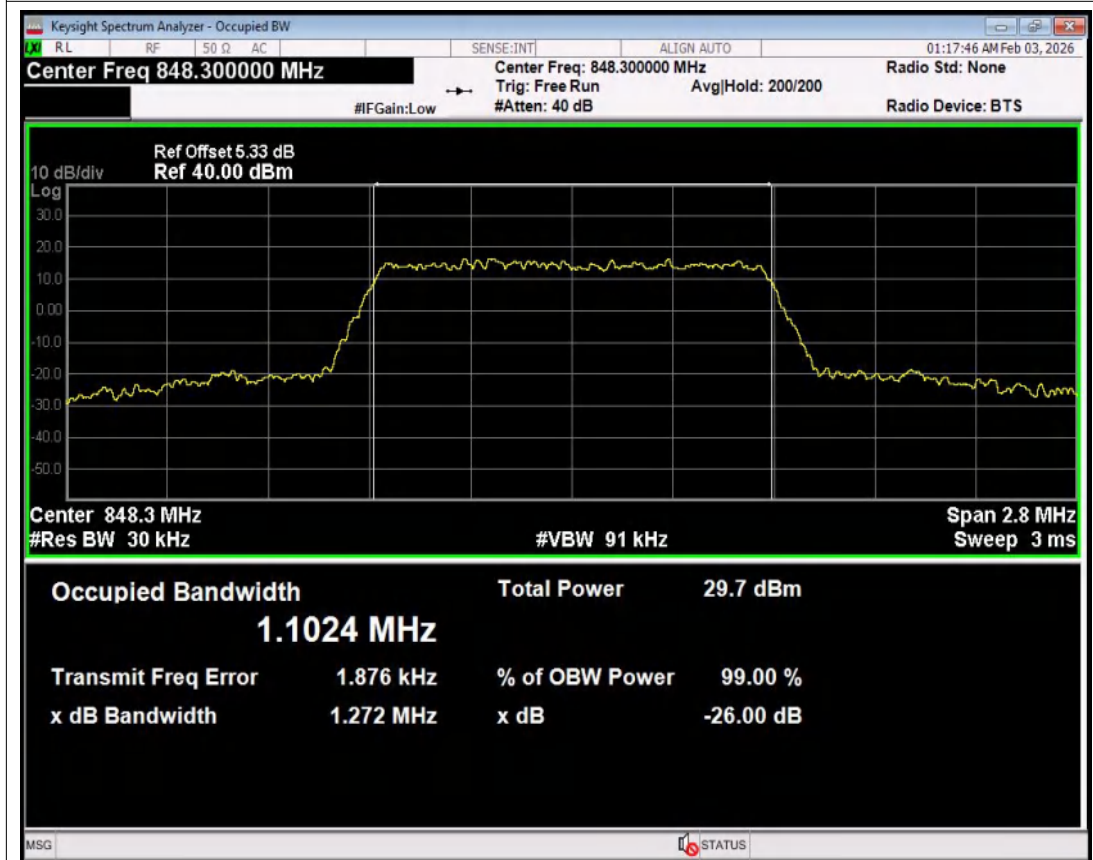
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



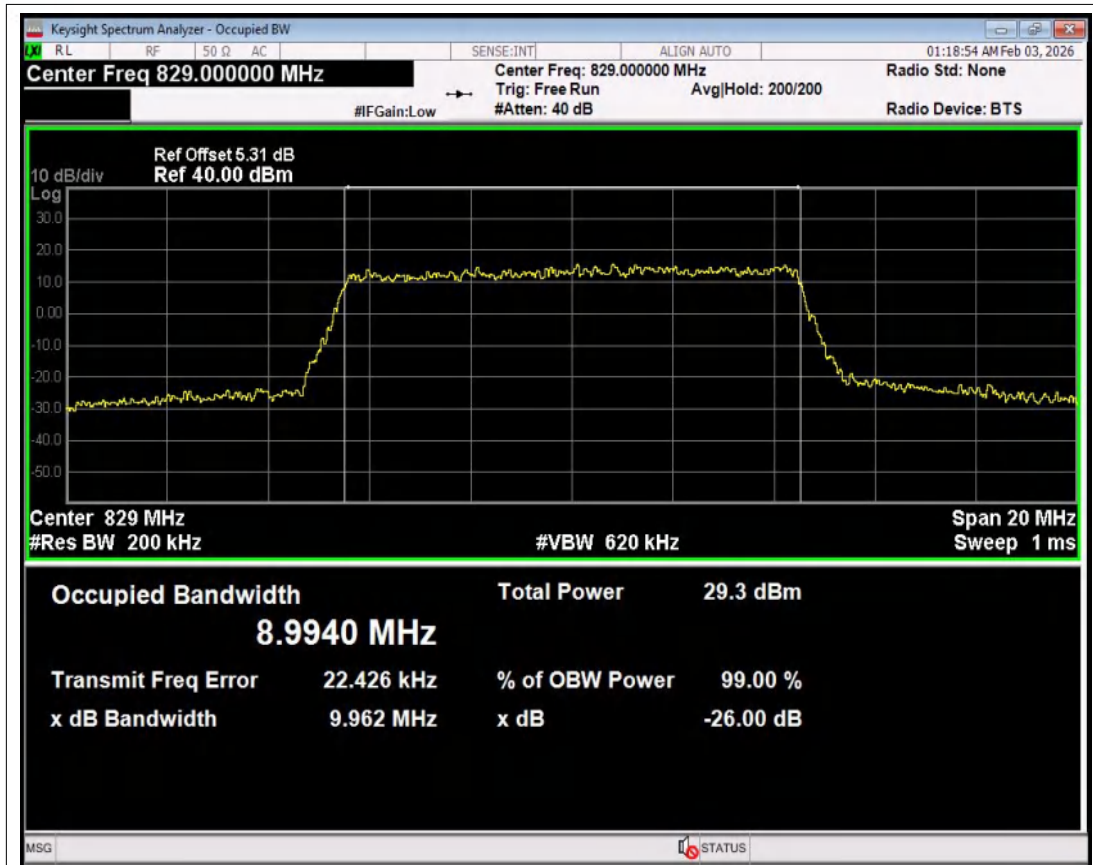
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



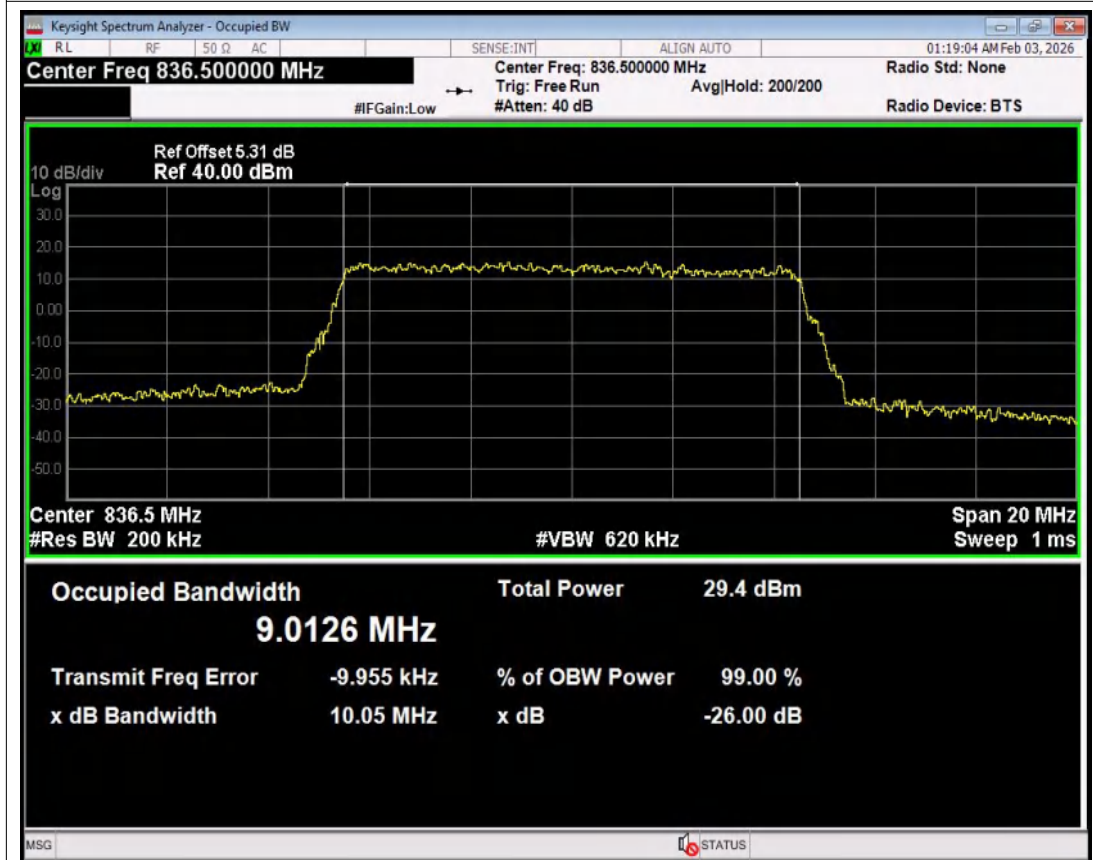
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



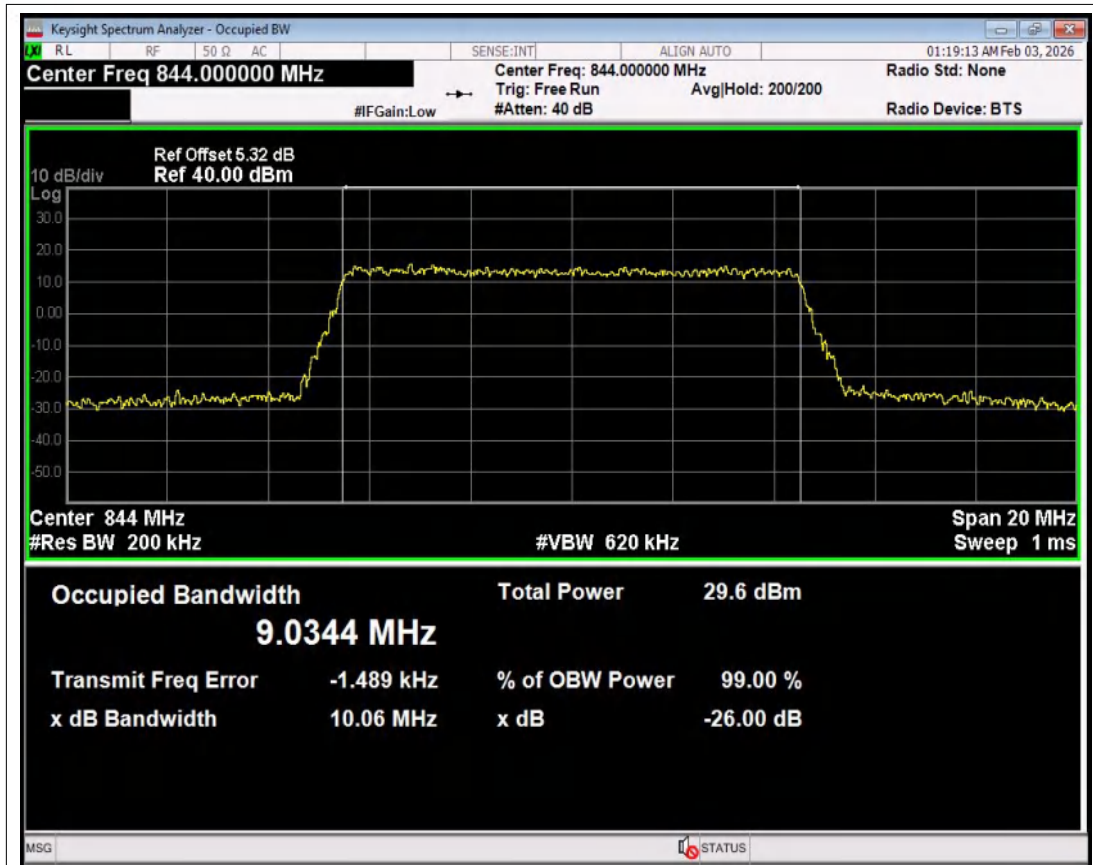
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



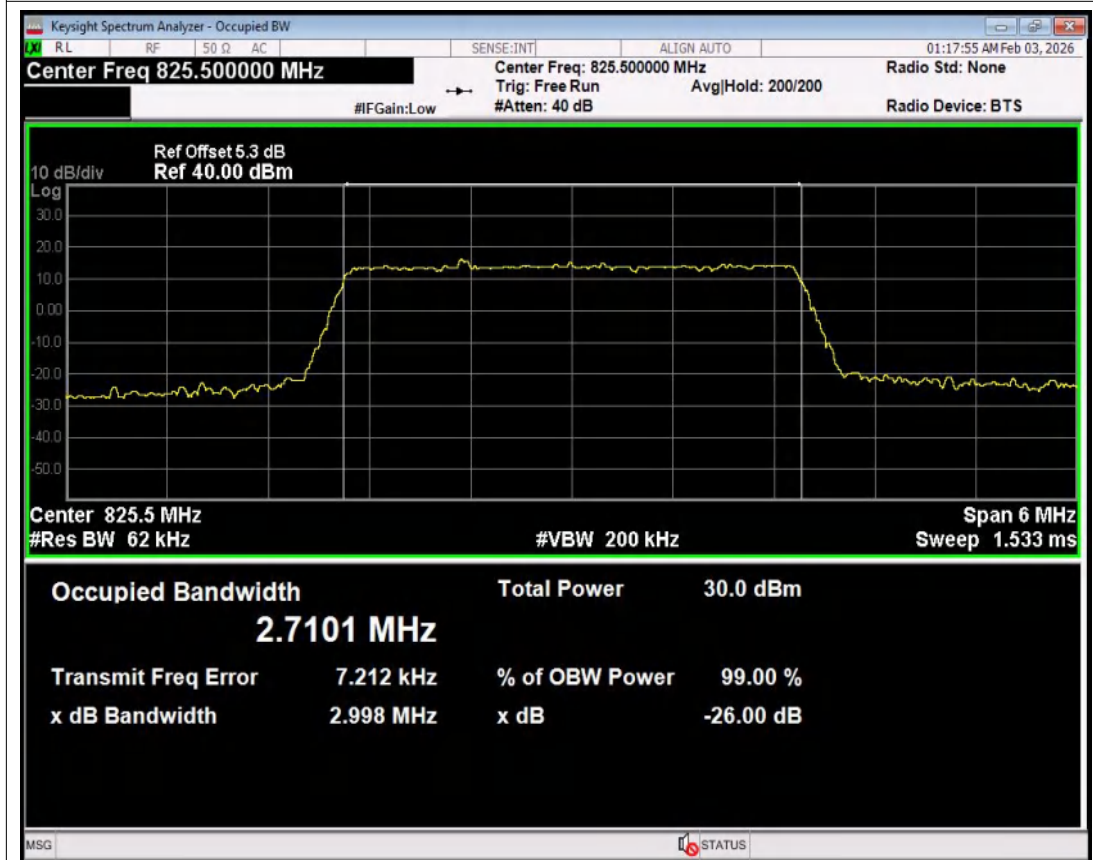
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



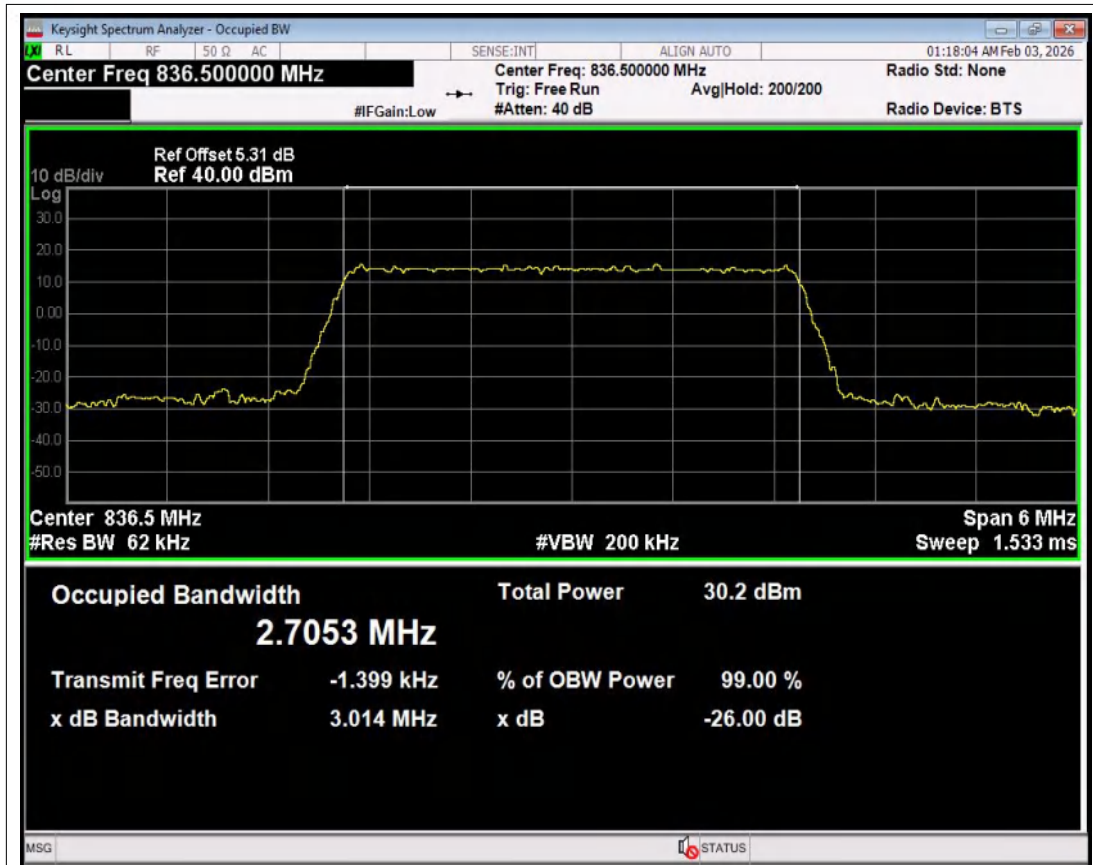
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



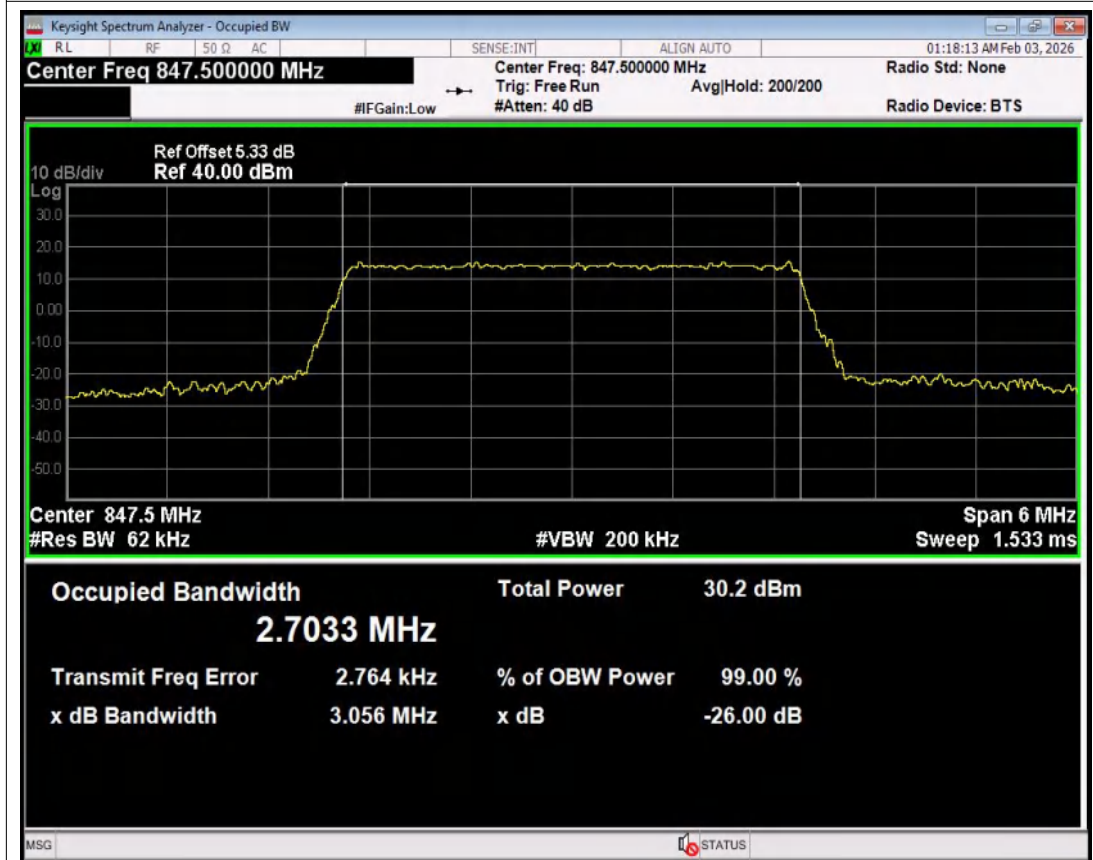
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



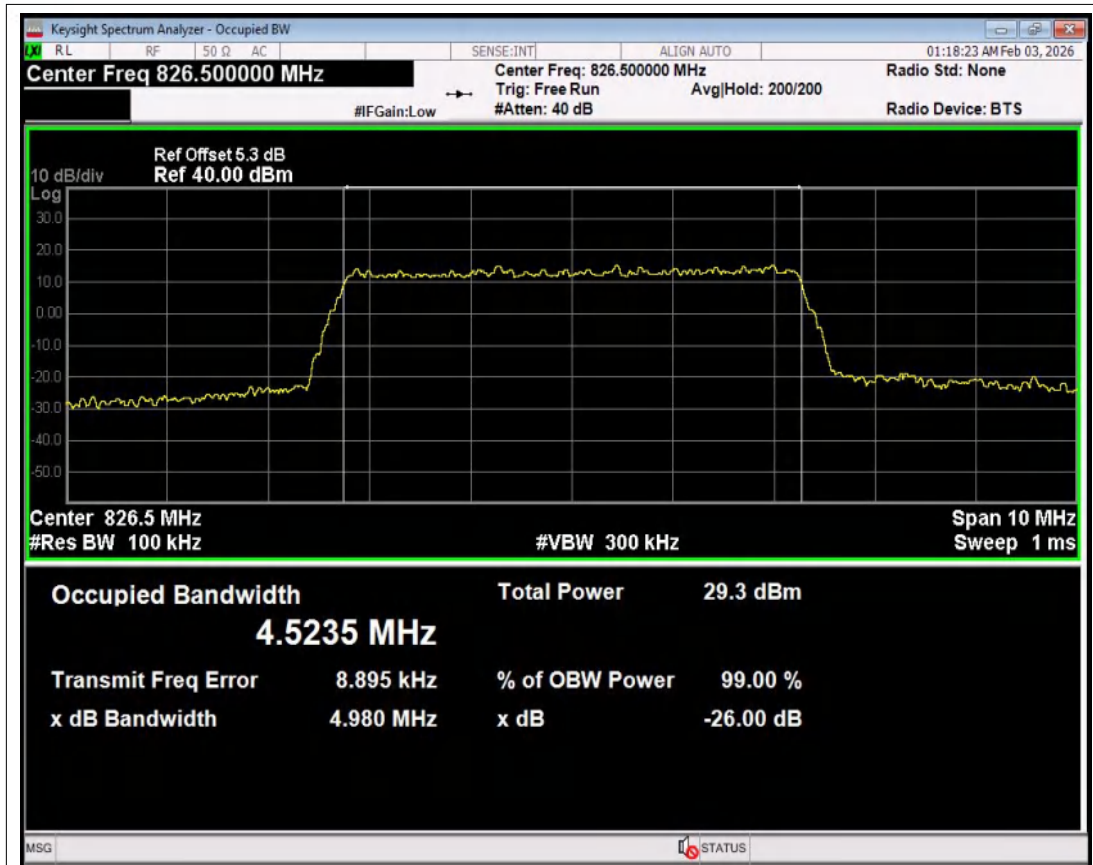
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



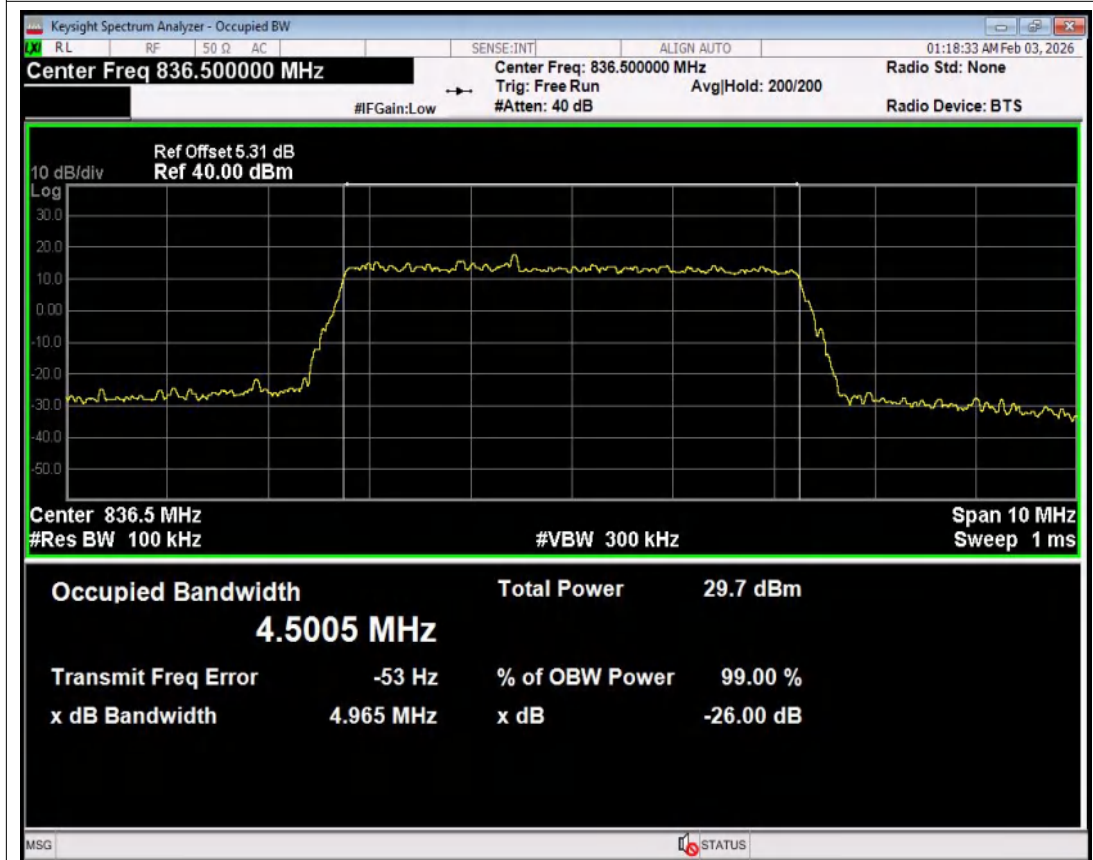
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



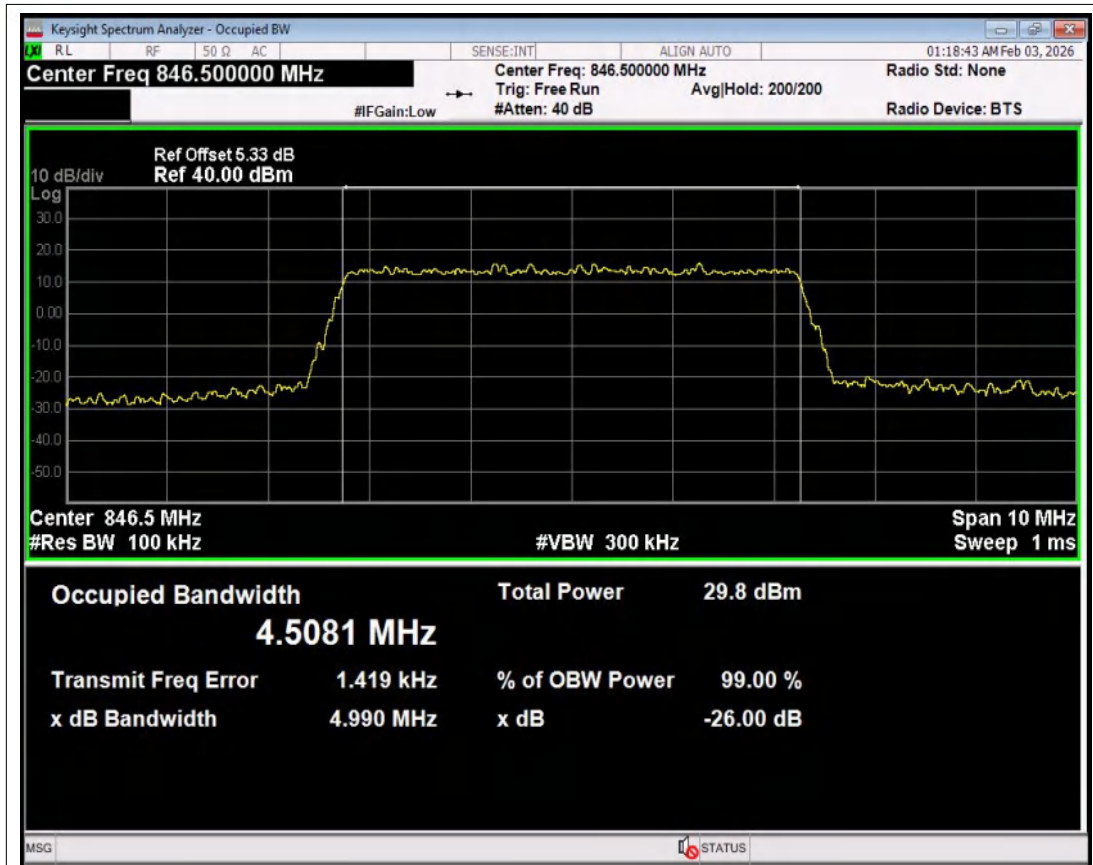
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



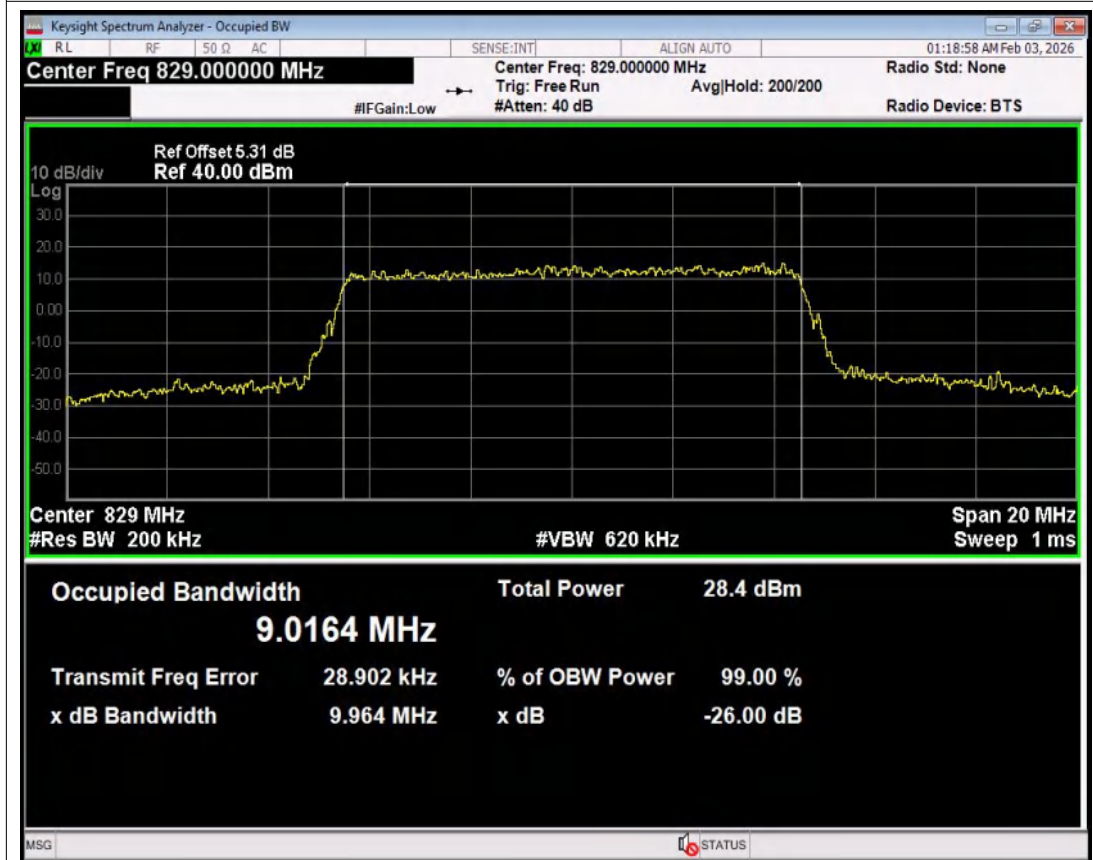
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



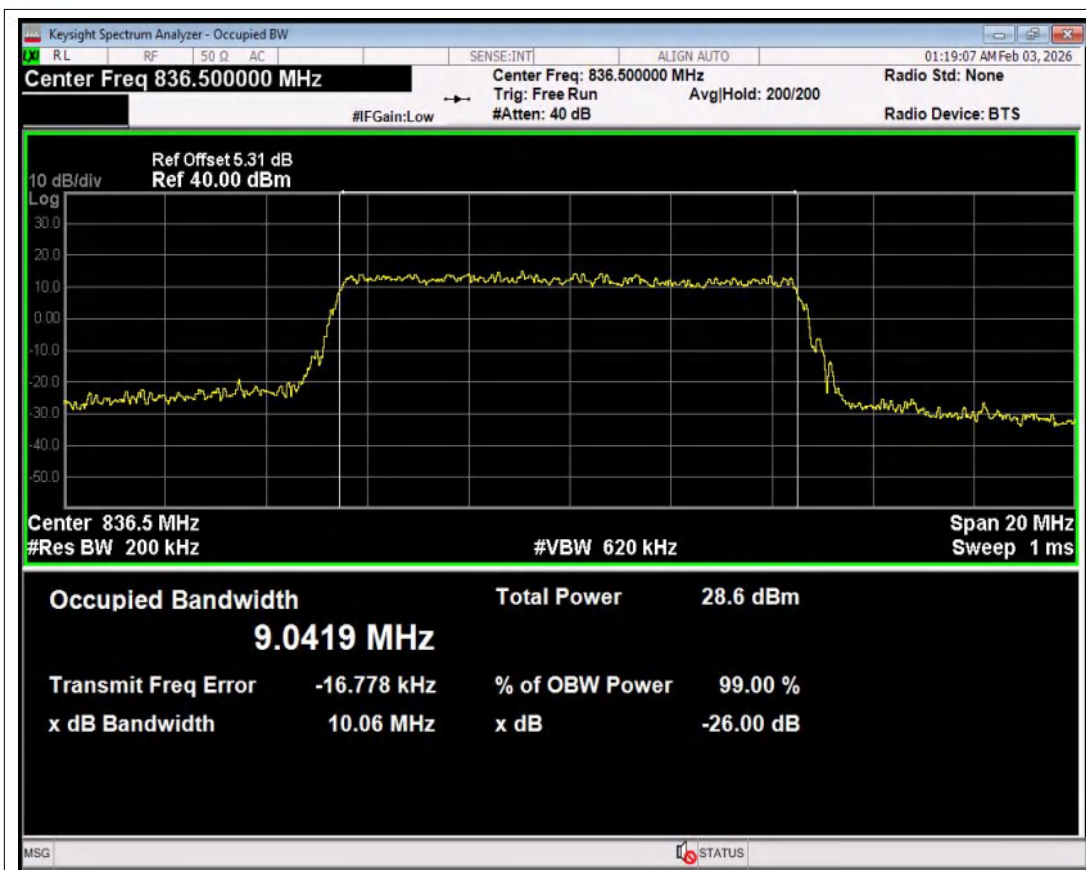
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



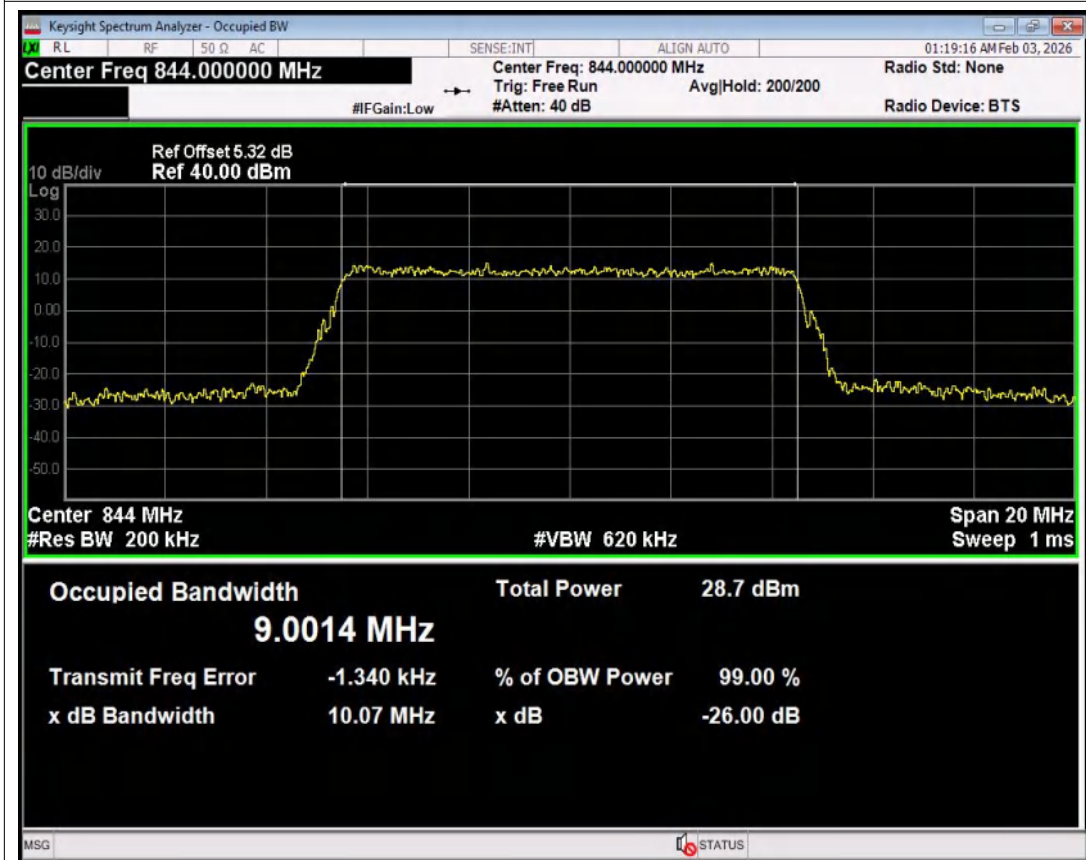
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



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



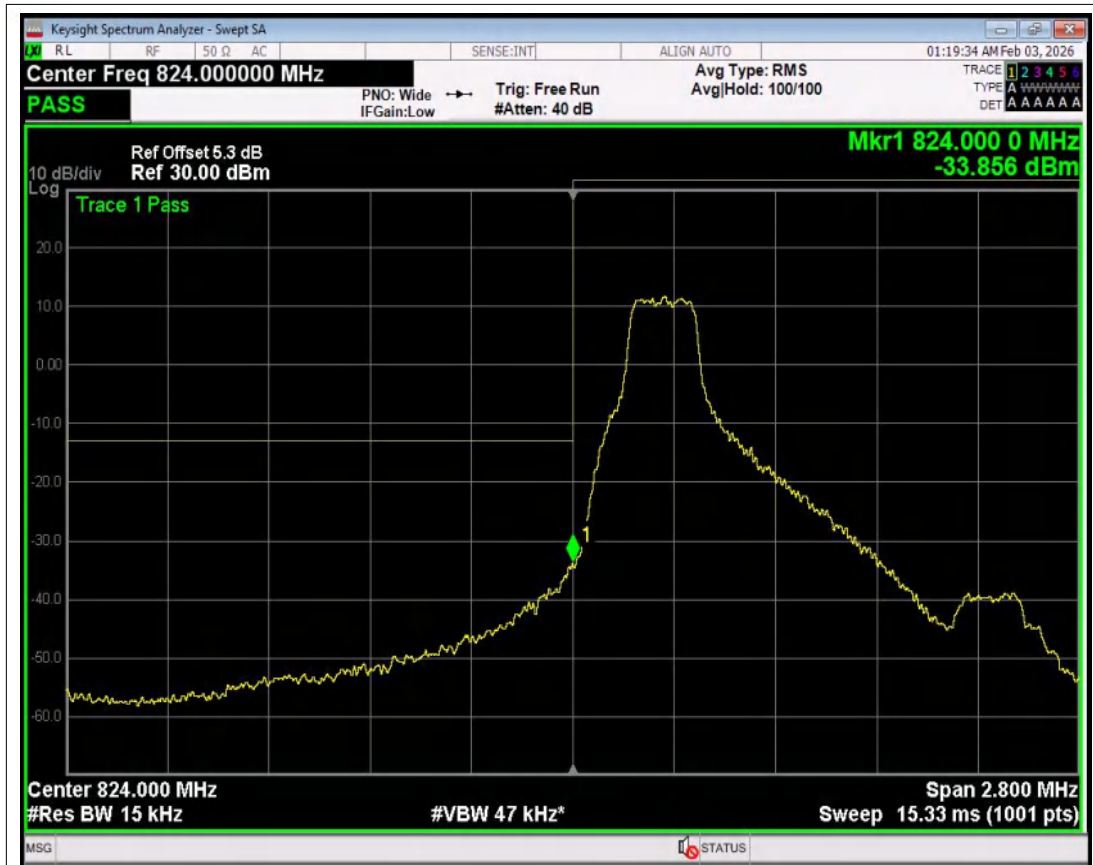
Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



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

05 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	1	#0	QPSK	824.00	-34.60	-13	PASS
NVNT	Band5	1.4	20407	6	#0	QPSK	823.98	-32.93	-13	PASS
NVNT	Band5	1.4	20407	1	#0	16QAM	824.00	-33.85	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	823.92	-31.14	-13	PASS
NVNT	Band5	1.4	20643	1	#Max	QPSK	849.00	-31.80	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	849.00	-29.91	-13	PASS
NVNT	Band5	1.4	20643	1	#Max	16QAM	849.00	-29.55	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	849.18	-30.31	-13	PASS
NVNT	Band5	3	20415	1	#0	QPSK	824.00	-22.89	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	824.00	-26.26	-13	PASS
NVNT	Band5	3	20415	1	#0	16QAM	824.00	-22.55	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	823.99	-27.93	-13	PASS
NVNT	Band5	3	20635	1	#Max	QPSK	849.00	-20.41	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	849.00	-26.39	-13	PASS
NVNT	Band5	3	20635	1	#Max	16QAM	849.00	-20.90	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	849.01	-26.23	-13	PASS
NVNT	Band5	5	20425	1	#0	QPSK	824.00	-21.16	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	824.00	-31.48	-13	PASS
NVNT	Band5	5	20425	1	#0	16QAM	824.00	-22.80	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	824.00	-30.59	-13	PASS
NVNT	Band5	5	20625	1	#Max	QPSK	849.00	-21.07	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	849.01	-29.27	-13	PASS
NVNT	Band5	5	20625	1	#Max	16QAM	849.00	-19.25	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	849.00	-27.98	-13	PASS
NVNT	Band5	10	20450	1	#0	QPSK	824.00	-22.46	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	824.00	-29.63	-13	PASS
NVNT	Band5	10	20450	1	#0	16QAM	824.00	-26.59	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	823.98	-32.20	-13	PASS
NVNT	Band5	10	20600	1	#Max	QPSK	849.00	-21.59	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	849.00	-30.66	-13	PASS
NVNT	Band5	10	20600	1	#Max	16QAM	849.00	-24.03	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	849.08	-31.55	-13	PASS



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



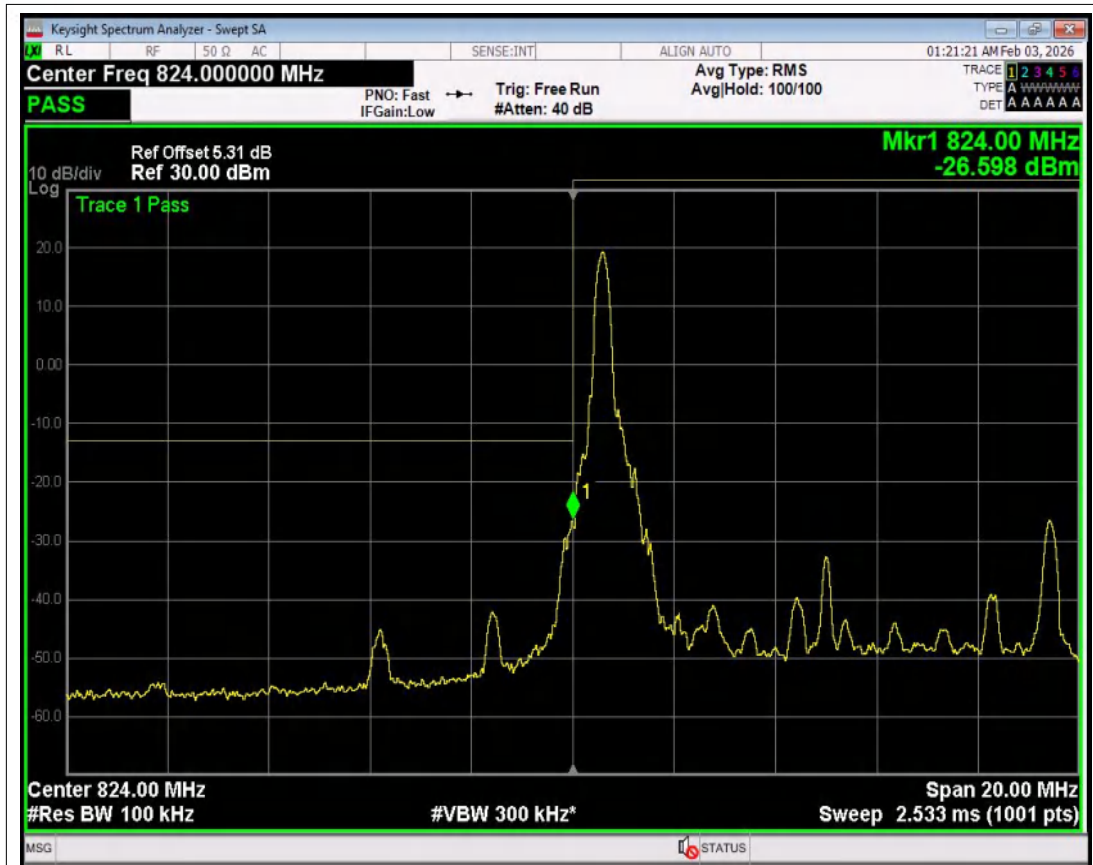
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



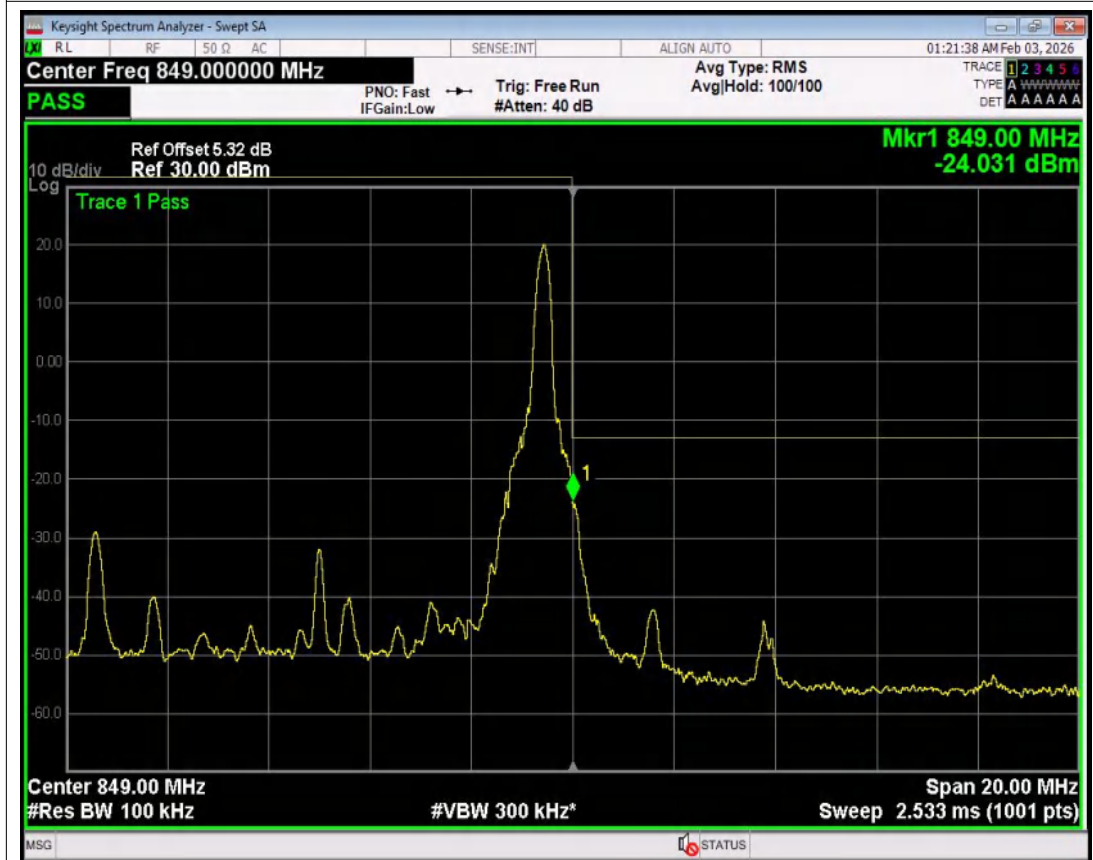
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#Max NVNT



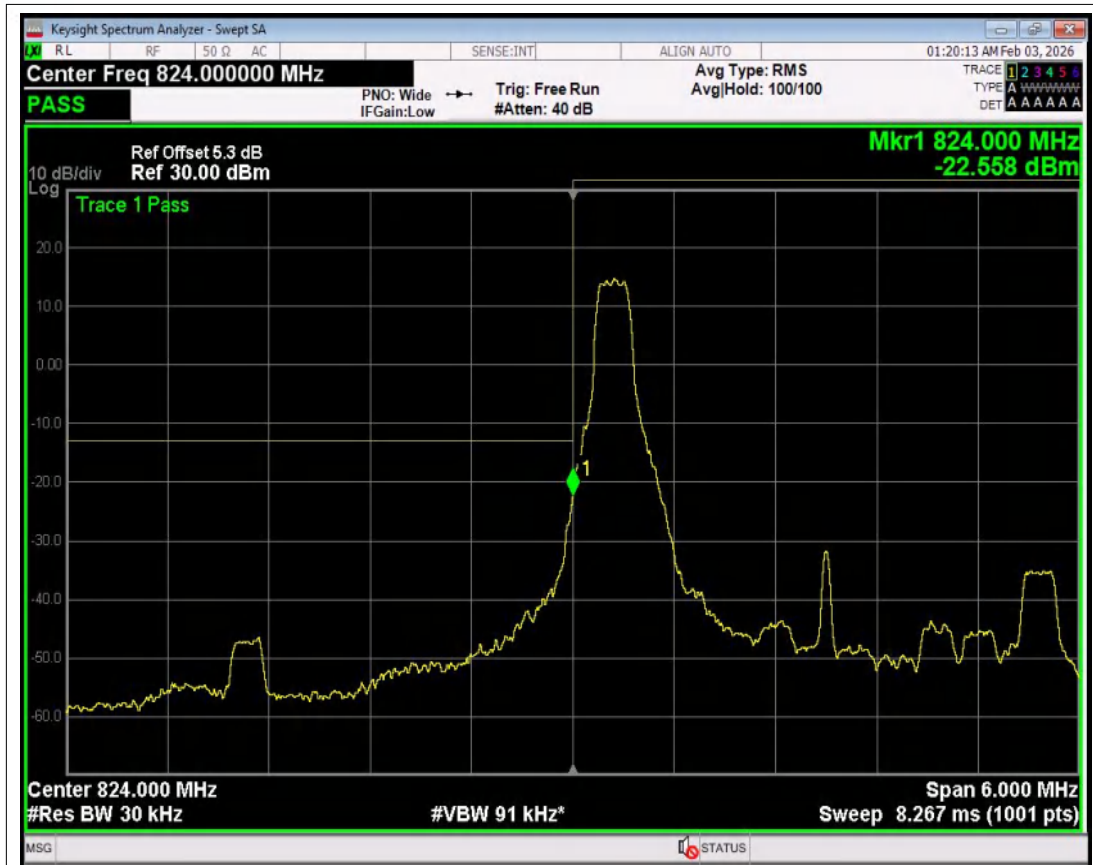
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



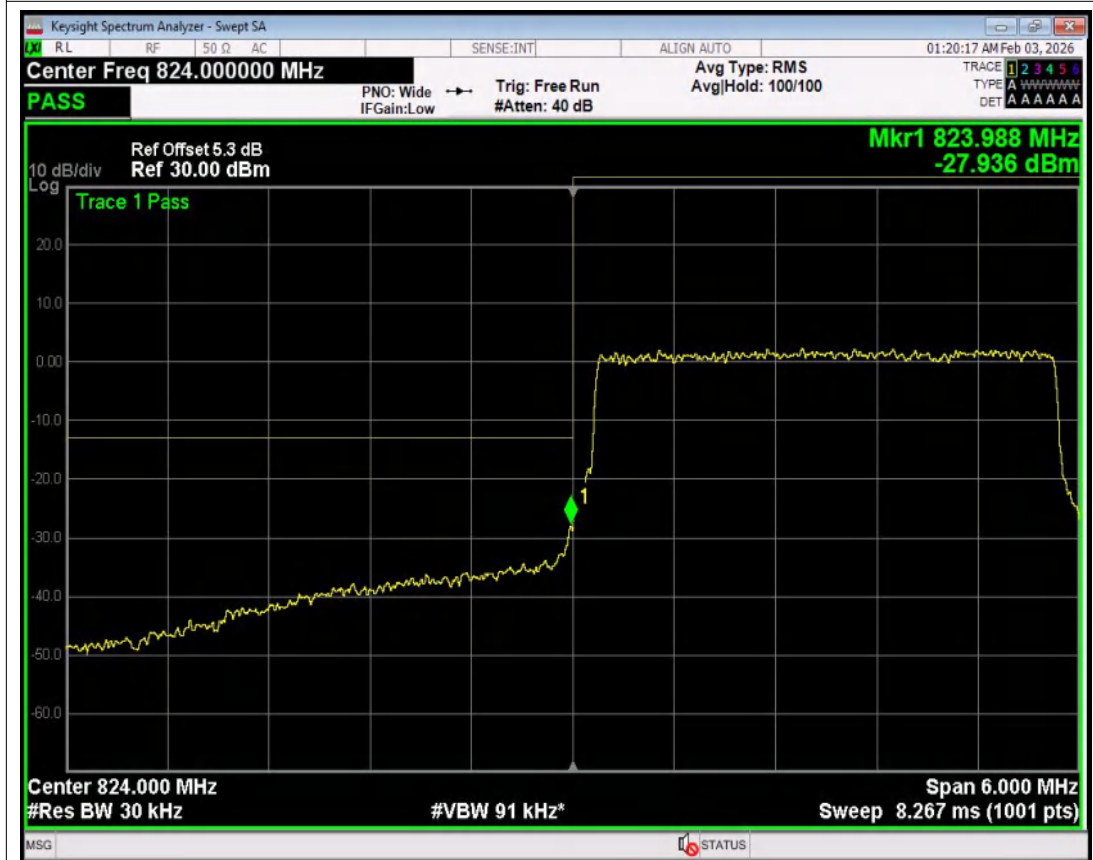
Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0 NVNT



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



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



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



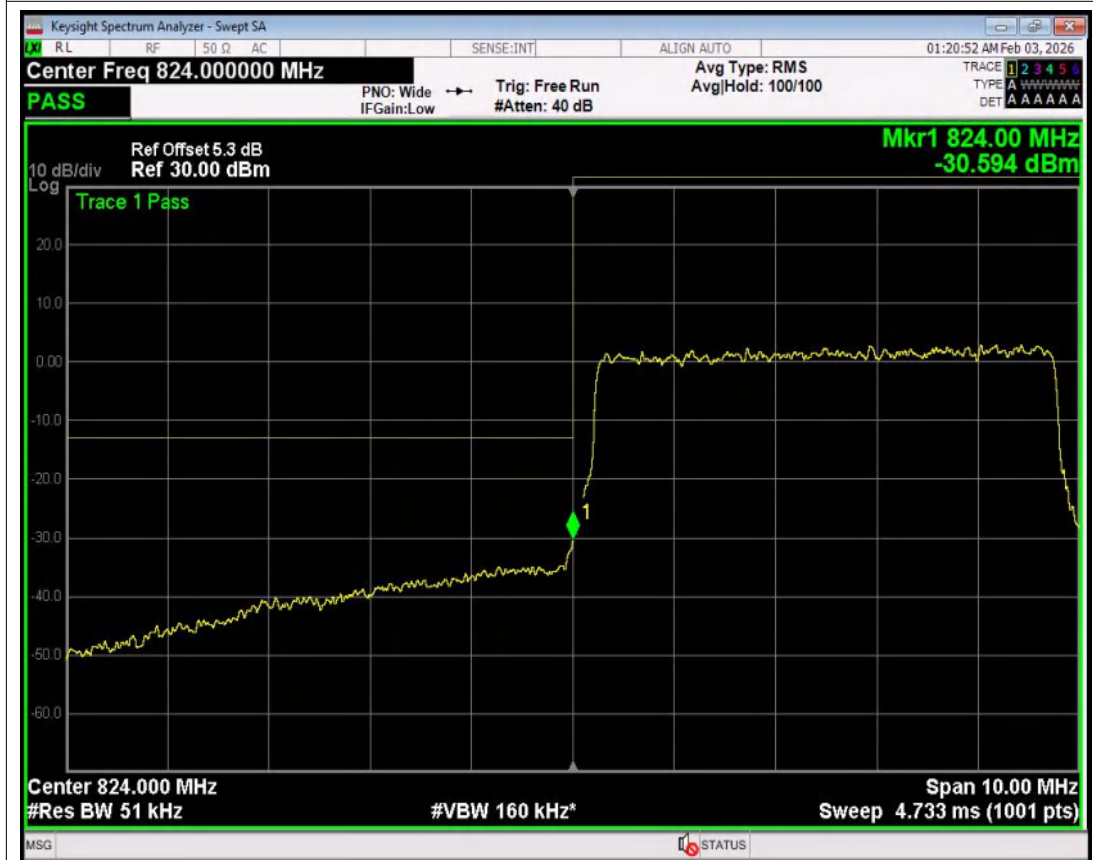
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#Max NVNT



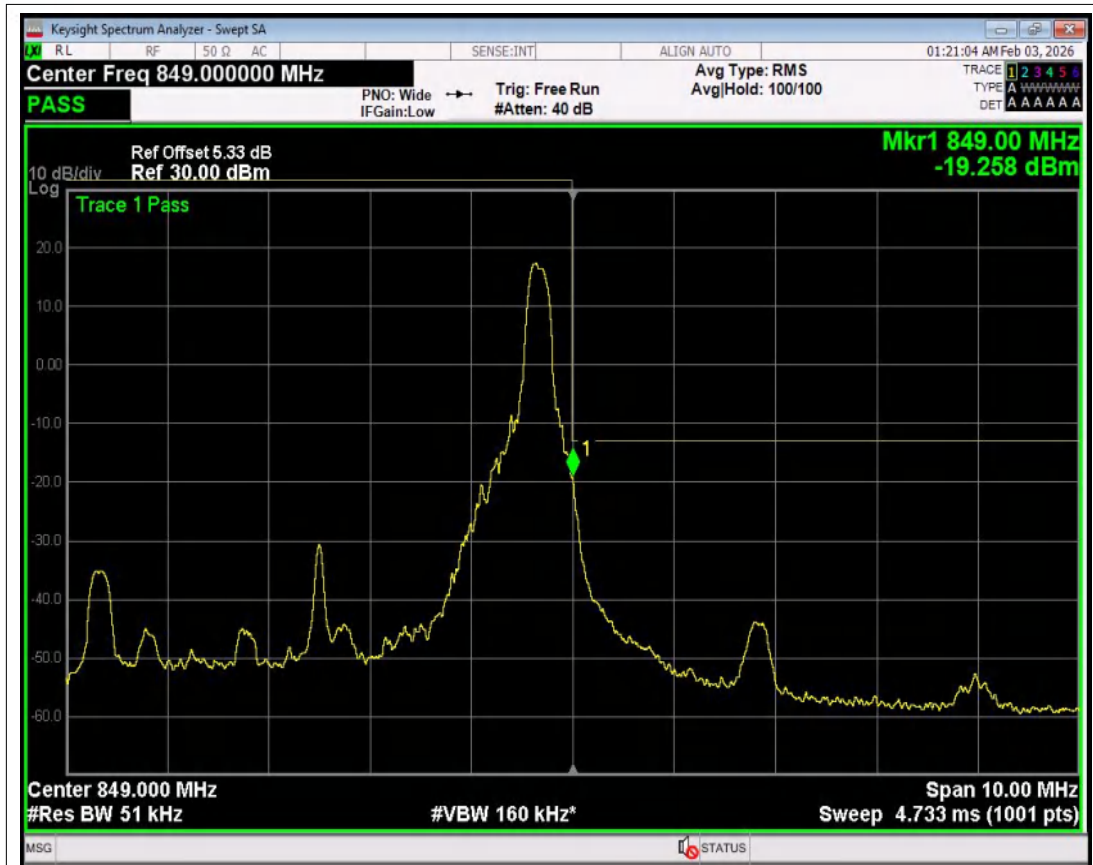
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



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



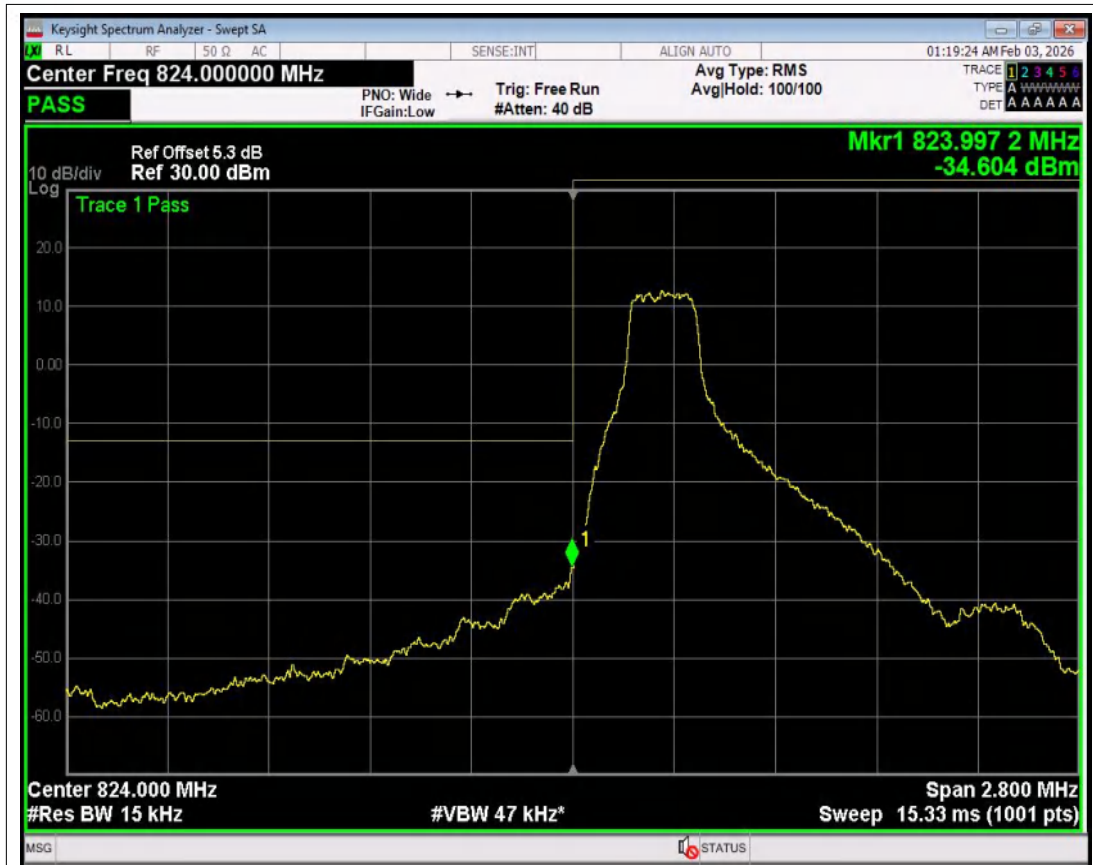
Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



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



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



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



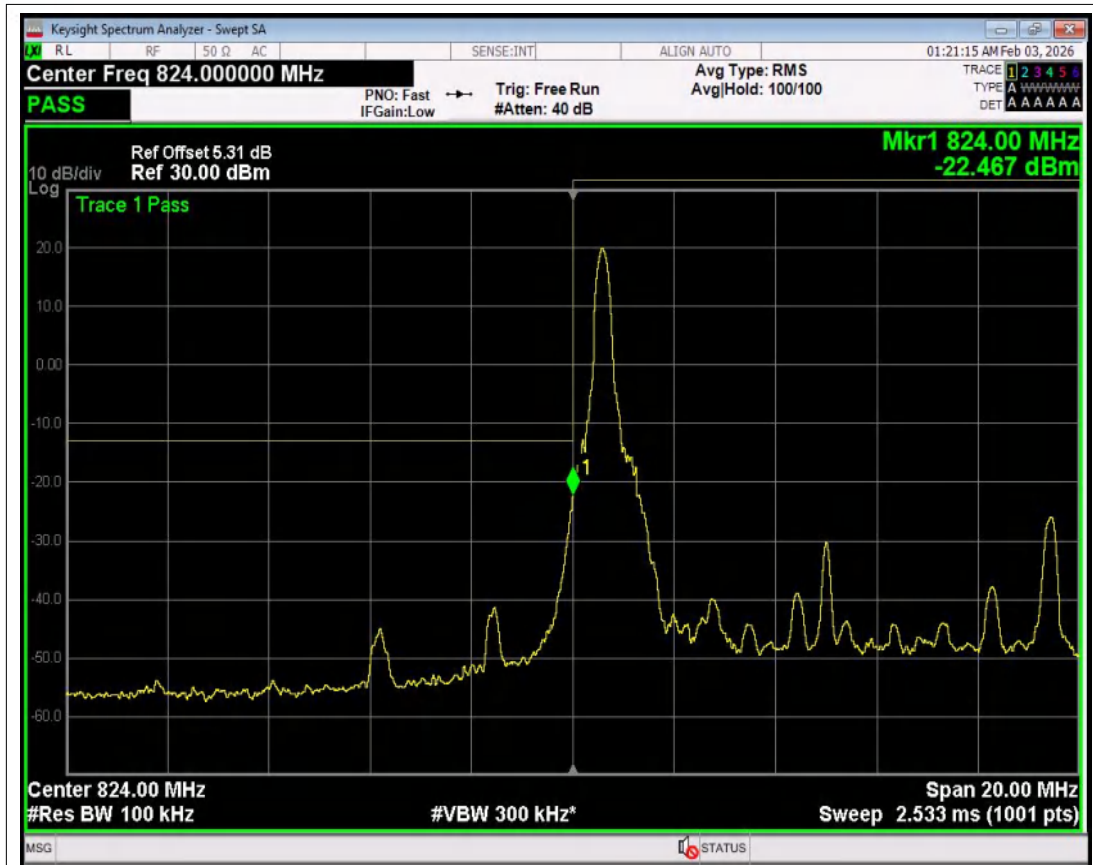
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



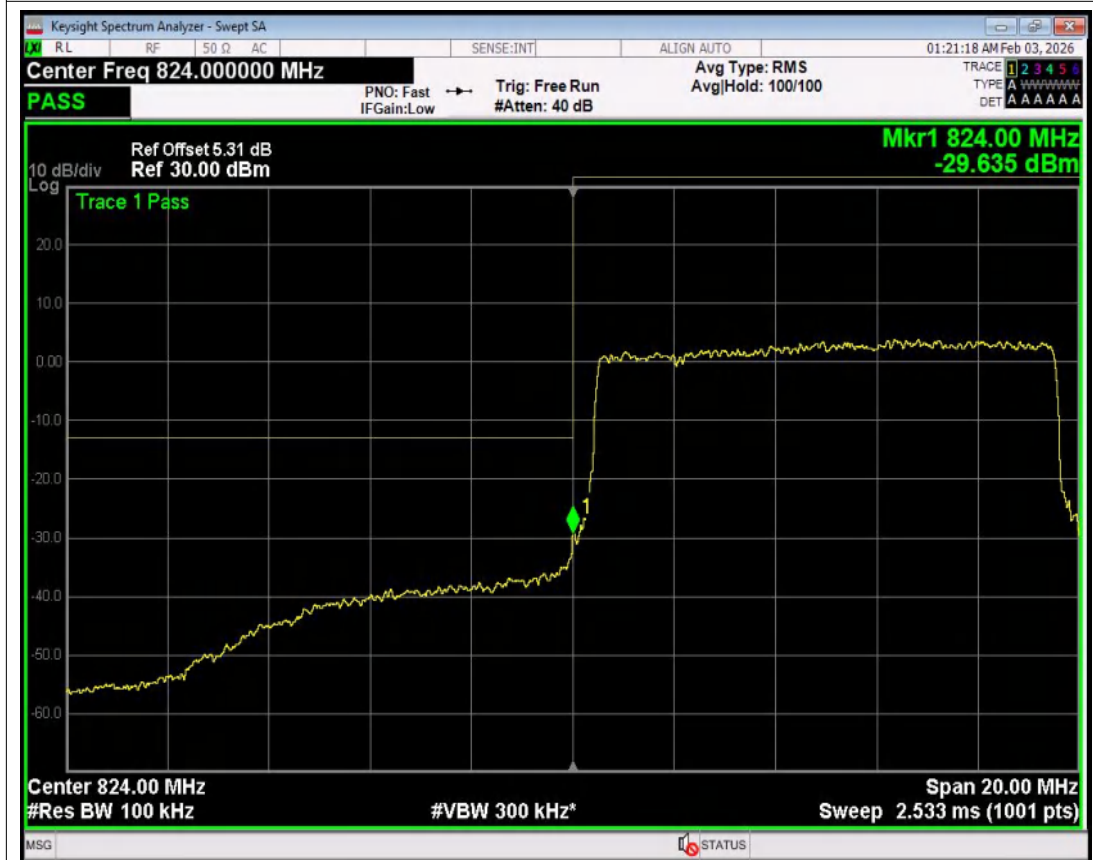
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#Max NVNT



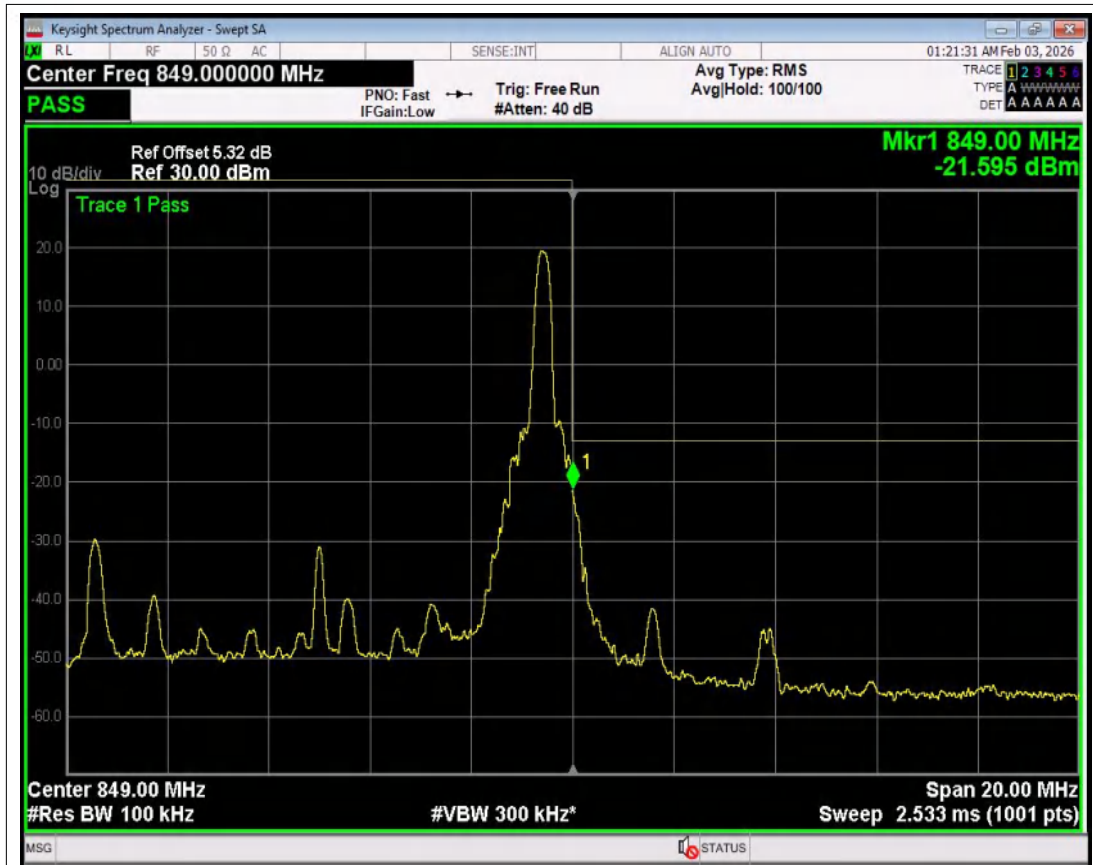
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



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



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



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



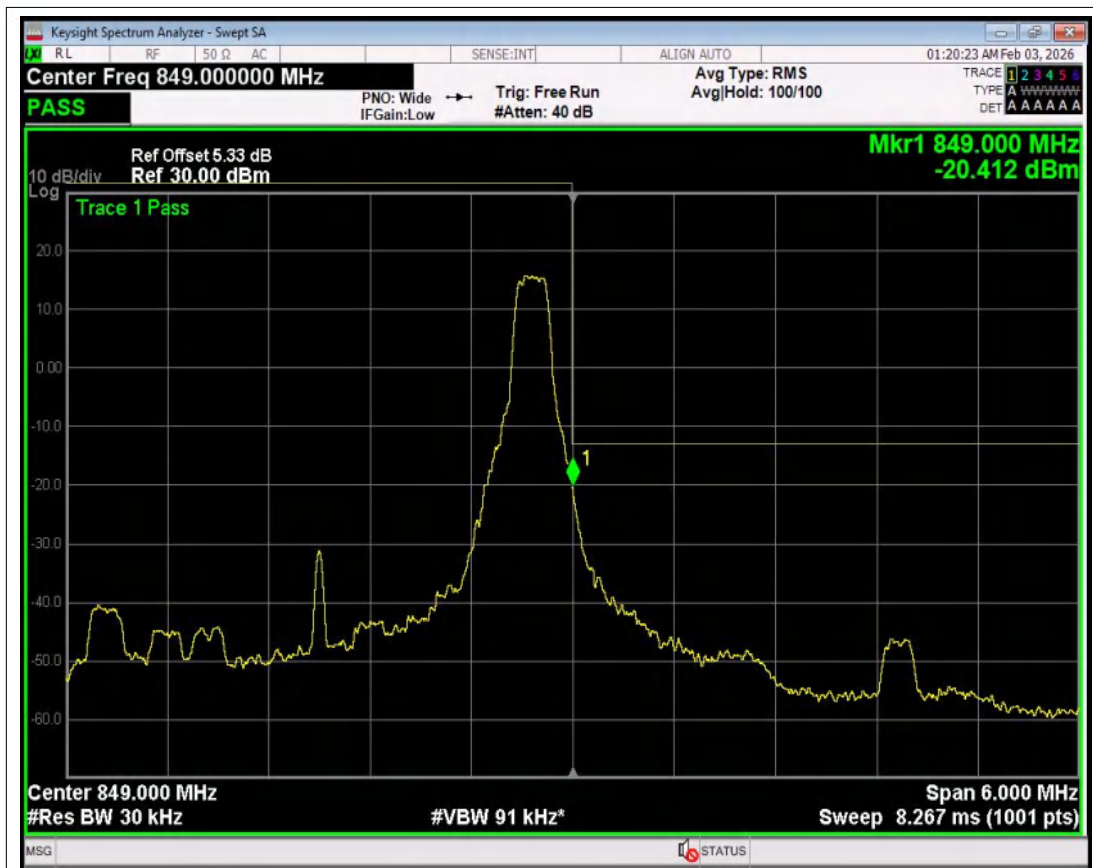
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



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



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



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



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



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



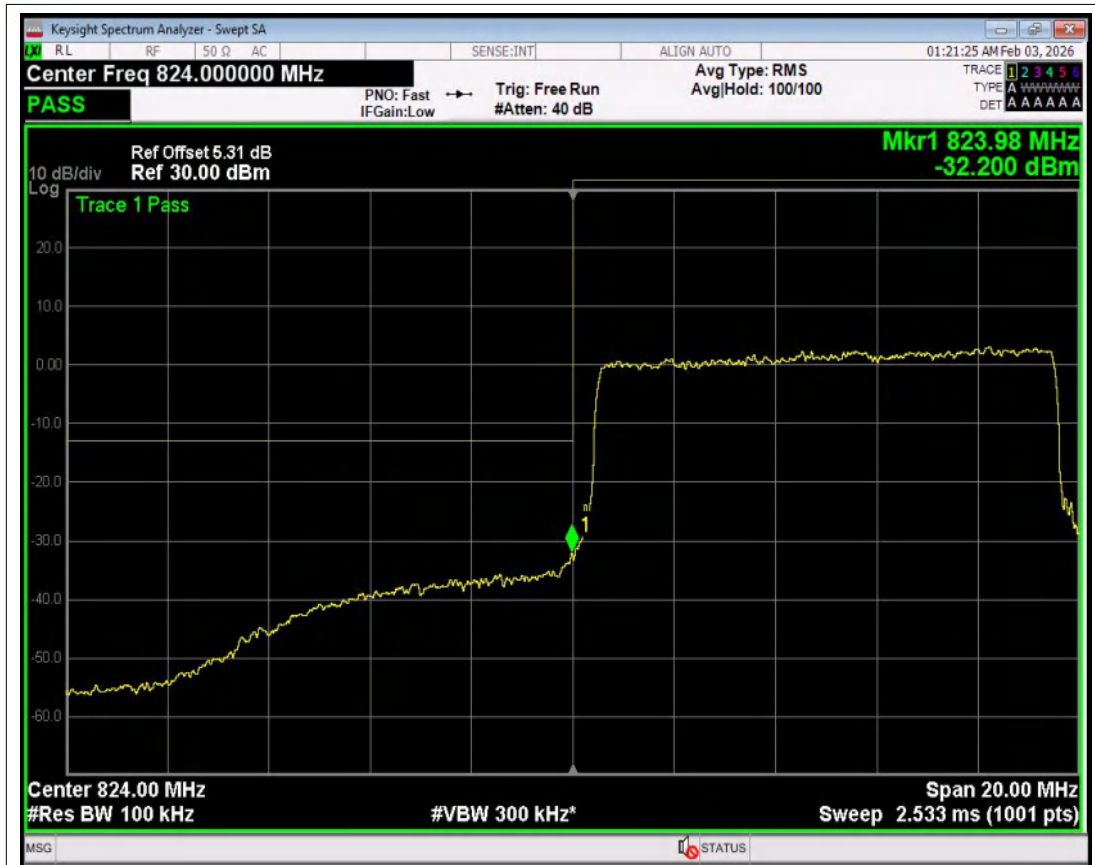
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



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



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



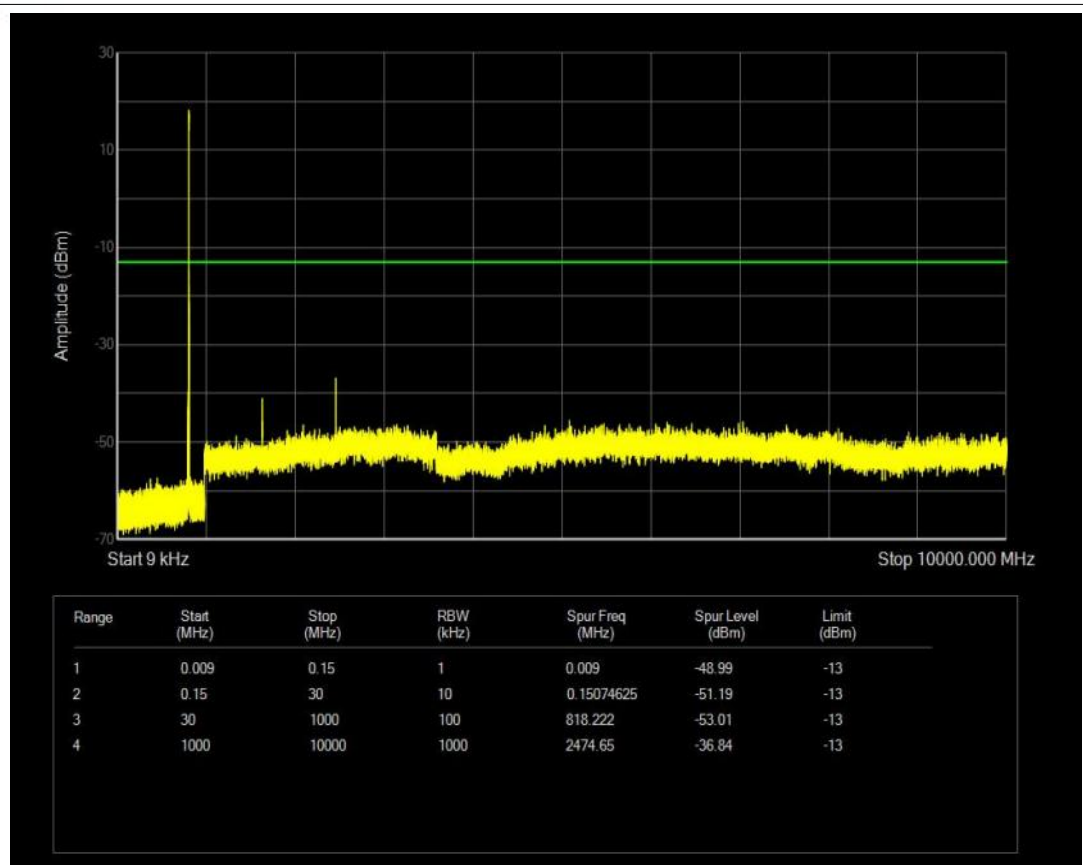
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



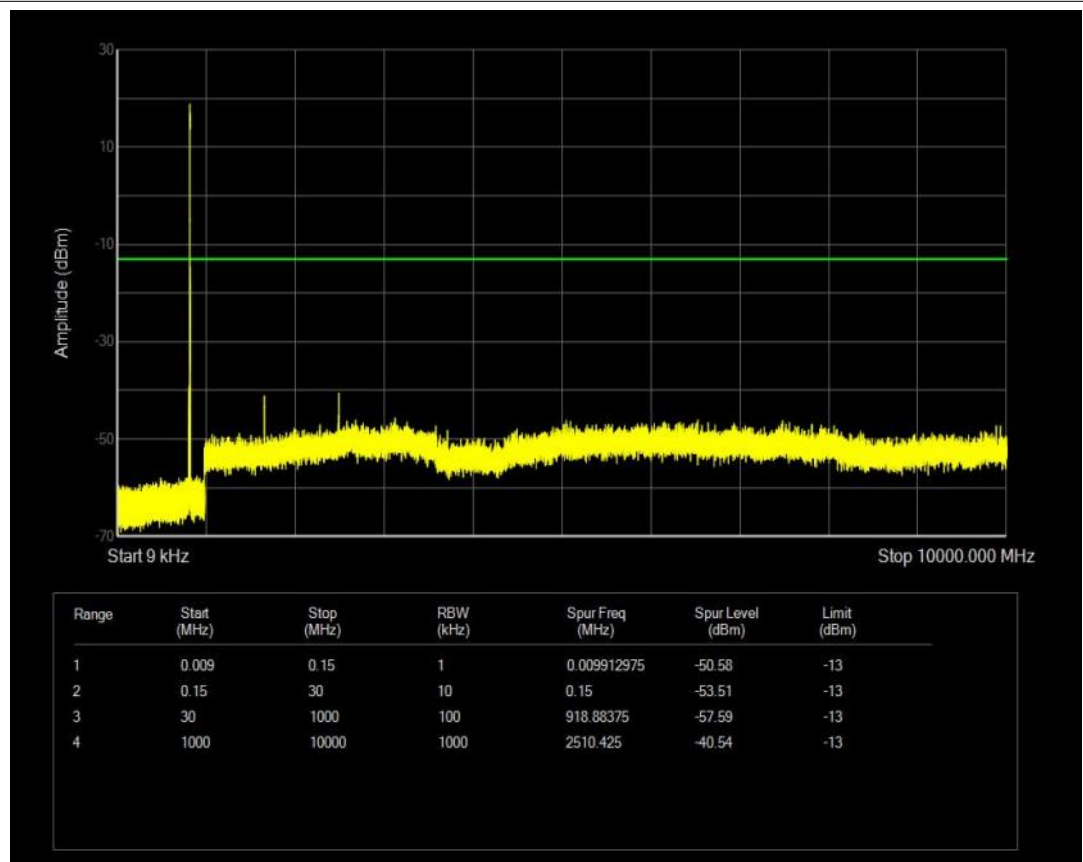
Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT

06 Out-of-band emissions

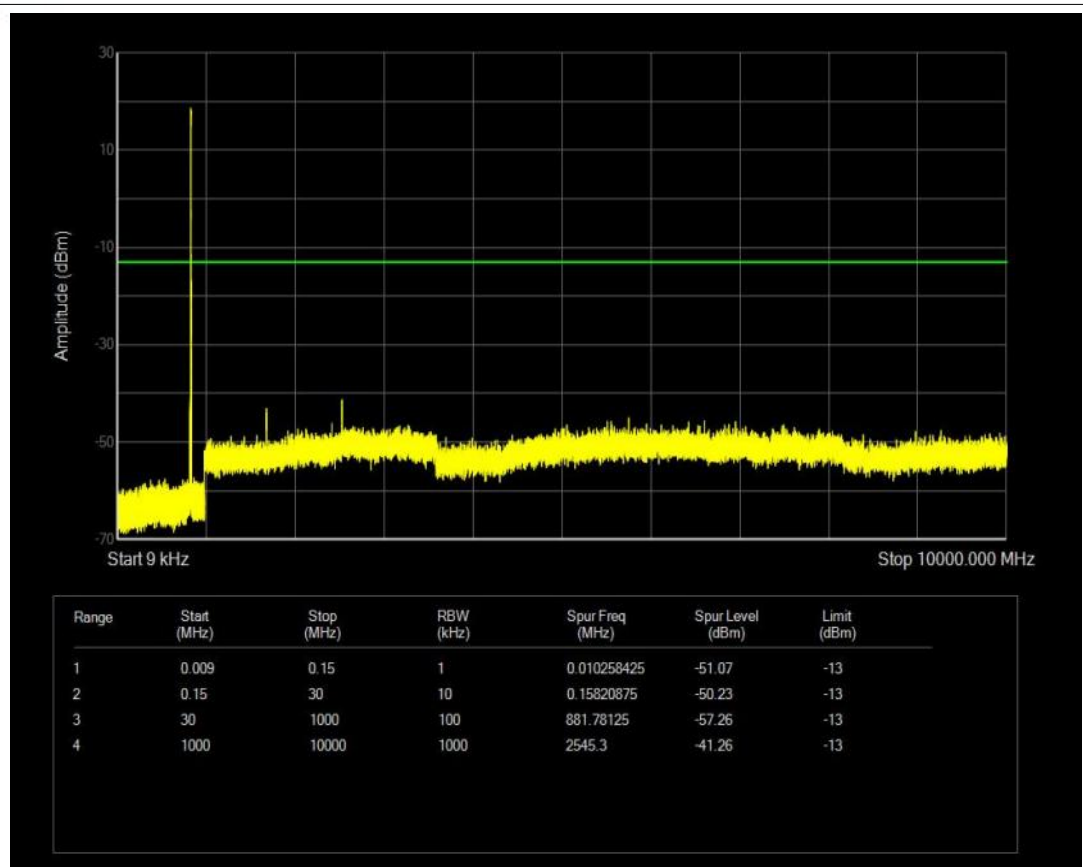
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band5	1.4	20407	6	#0	QPSK	2474.65	-40.45	-13	PASS
NVNT	Band5	1.4	20407	6	#0	16QAM	2474.65	-36.84	-13	PASS
NVNT	Band5	1.4	20525	6	#0	QPSK	2509.3	-38.05	-13	PASS
NVNT	Band5	1.4	20525	6	#0	16QAM	2510.43	-40.54	-13	PASS
NVNT	Band5	1.4	20643	6	#0	QPSK	2545.08	-38.23	-13	PASS
NVNT	Band5	1.4	20643	6	#0	16QAM	2545.3	-41.26	-13	PASS
NVNT	Band5	3	20415	15	#0	QPSK	2477.35	-43.16	-13	PASS
NVNT	Band5	3	20415	15	#0	16QAM	2477.13	-42.3	-13	PASS
NVNT	Band5	3	20525	15	#0	QPSK	2508.85	-43.07	-13	PASS
NVNT	Band5	3	20525	15	#0	16QAM	2509.98	-43.02	-13	PASS
NVNT	Band5	3	20635	15	#0	QPSK	2542.38	-41.02	-13	PASS
NVNT	Band5	3	20635	15	#0	16QAM	2542.6	-41.68	-13	PASS
NVNT	Band5	5	20425	25	#0	QPSK	2480.95	-45.19	-13	PASS
NVNT	Band5	5	20425	25	#0	16QAM	2480.73	-43.58	-13	PASS
NVNT	Band5	5	20525	25	#0	QPSK	2507.5	-44.95	-13	PASS
NVNT	Band5	5	20525	25	#0	16QAM	2513.58	-43.5	-13	PASS
NVNT	Band5	5	20625	25	#0	QPSK	2538.33	-44.66	-13	PASS
NVNT	Band5	5	20625	25	#0	16QAM	1693.45	-43.88	-13	PASS
NVNT	Band5	10	20450	50	#0	QPSK	6029.65	-45.09	-13	PASS
NVNT	Band5	10	20450	50	#0	16QAM	6323.95	-45.08	-13	PASS
NVNT	Band5	10	20525	50	#0	QPSK	7629.63	-45.23	-13	PASS
NVNT	Band5	10	20525	50	#0	16QAM	6051.93	-45.08	-13	PASS
NVNT	Band5	10	20600	50	#0	QPSK	2532.03	-44.92	-13	PASS
NVNT	Band5	10	20600	50	#0	16QAM	2527.98	-44.74	-13	PASS



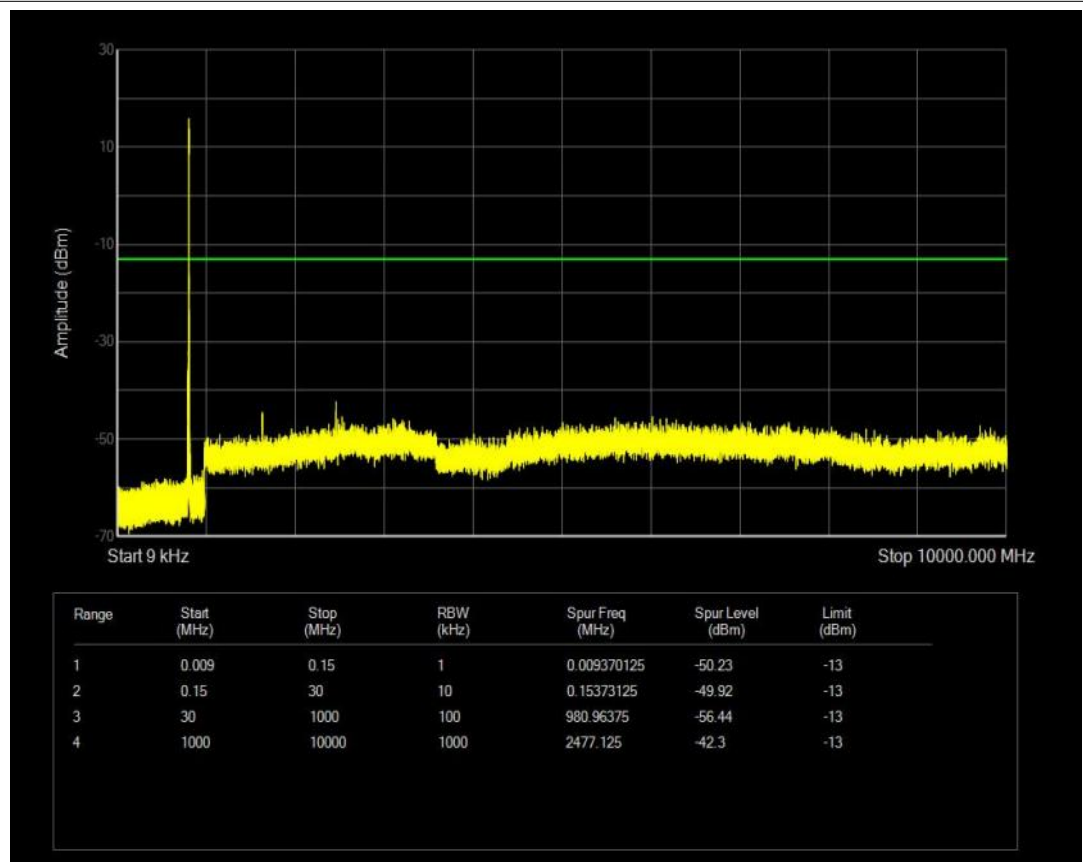
Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



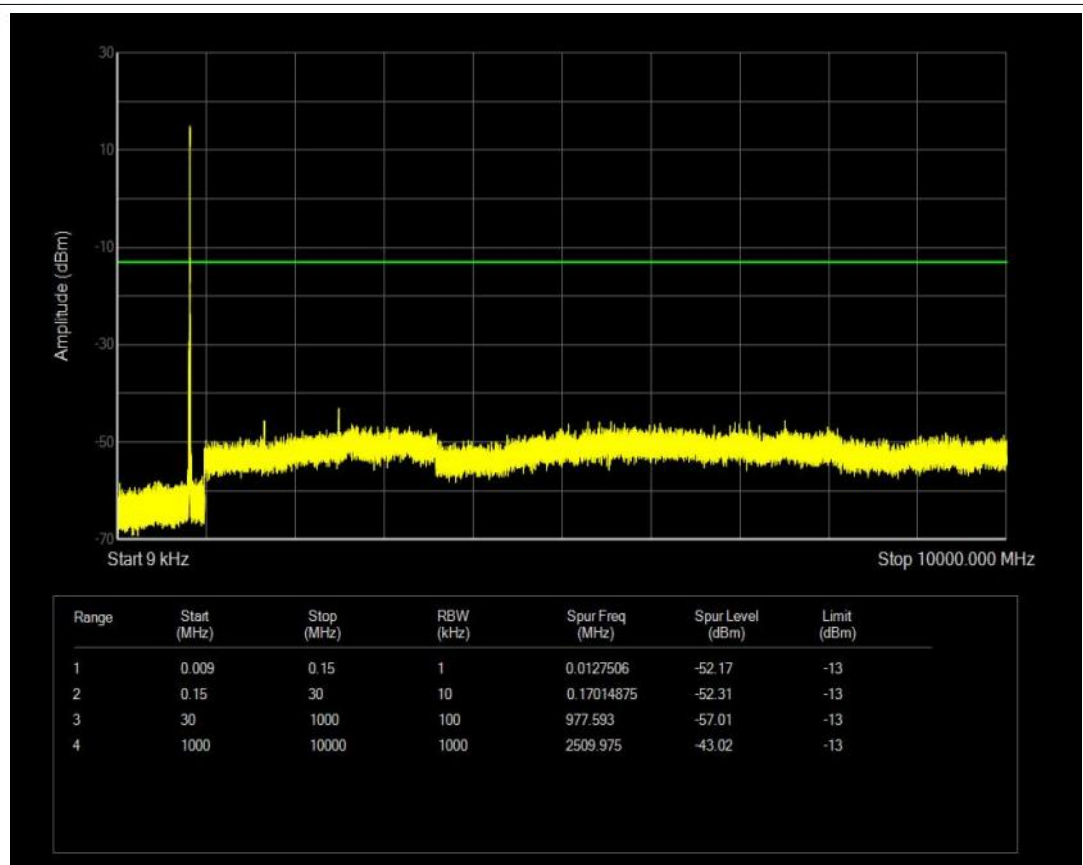
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



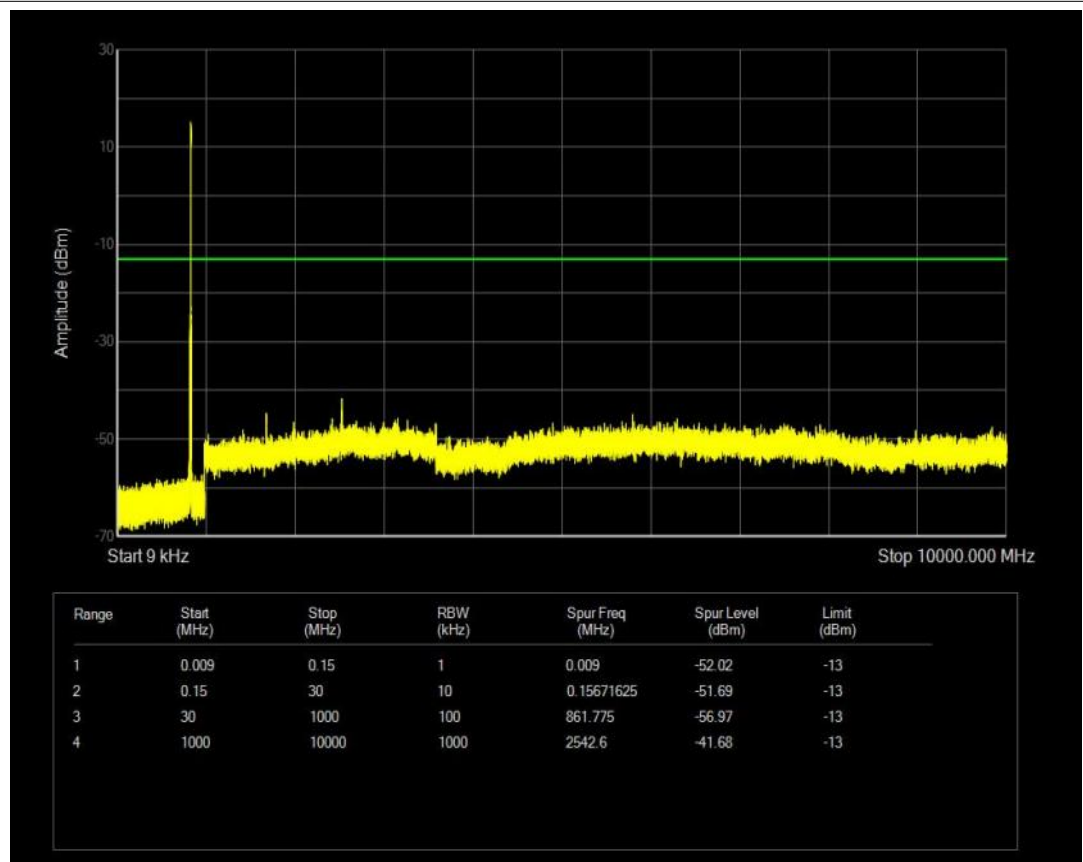
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



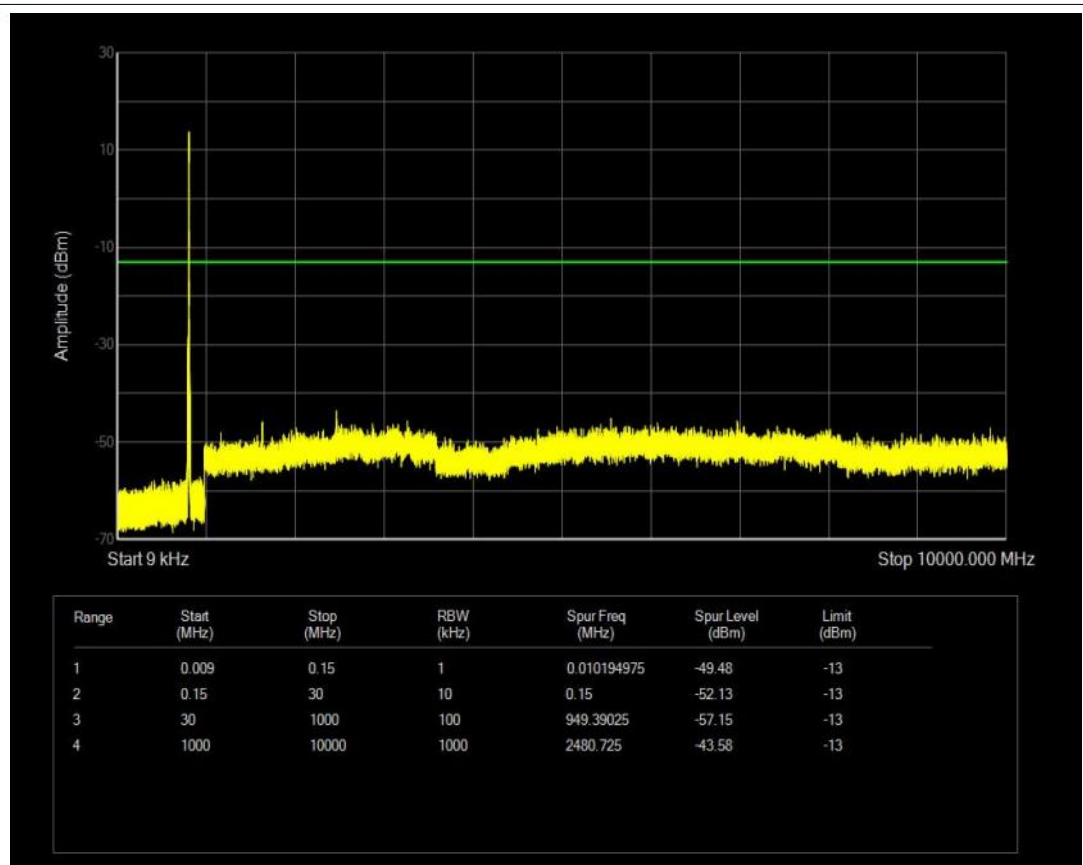
Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



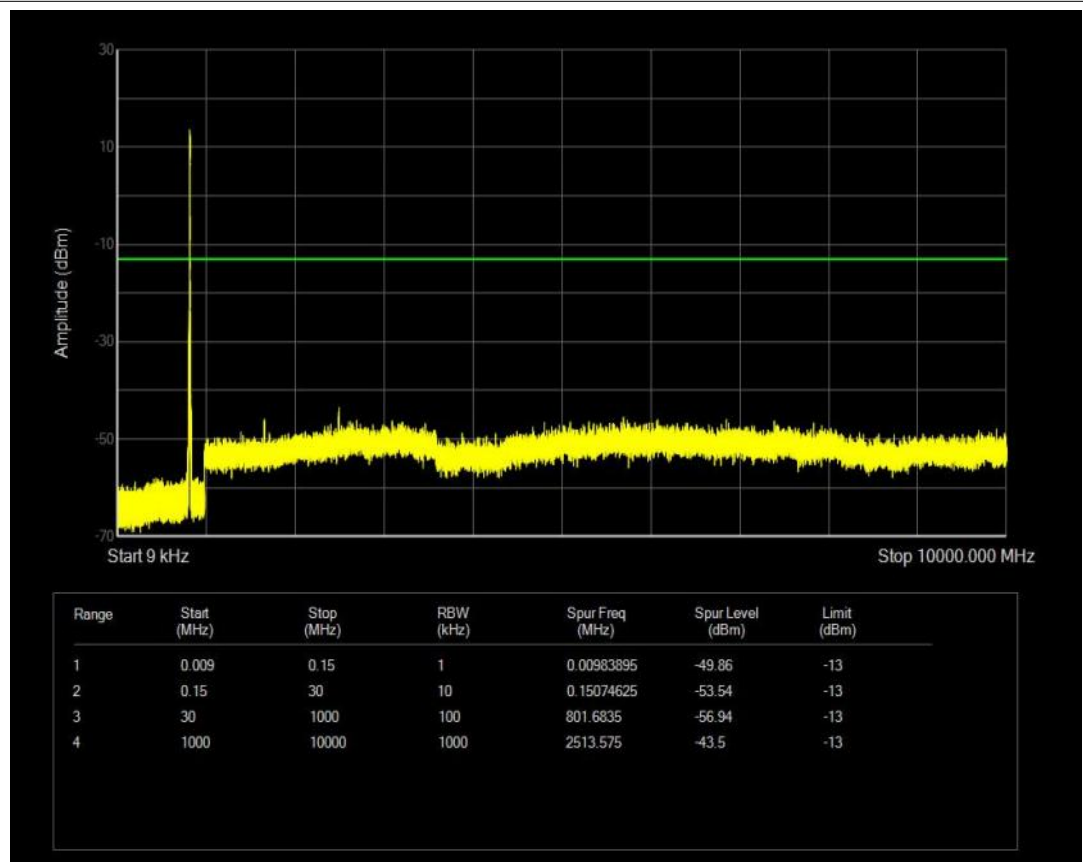
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



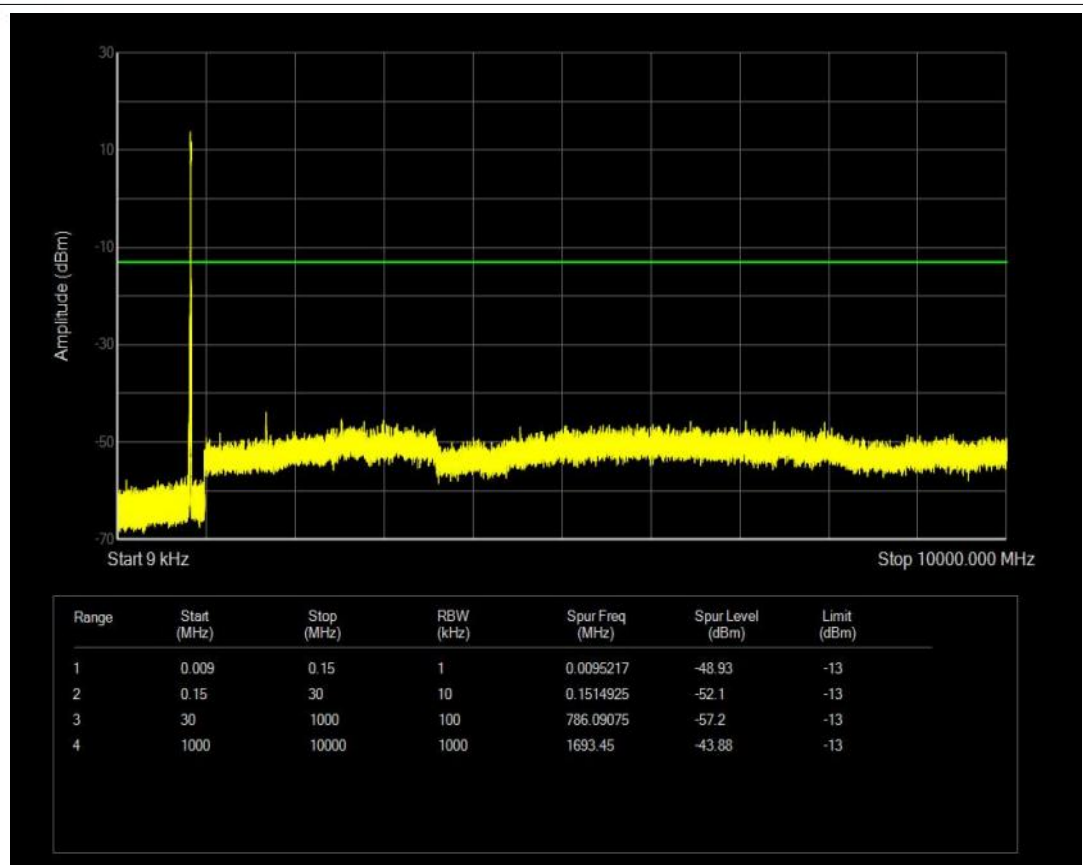
Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



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



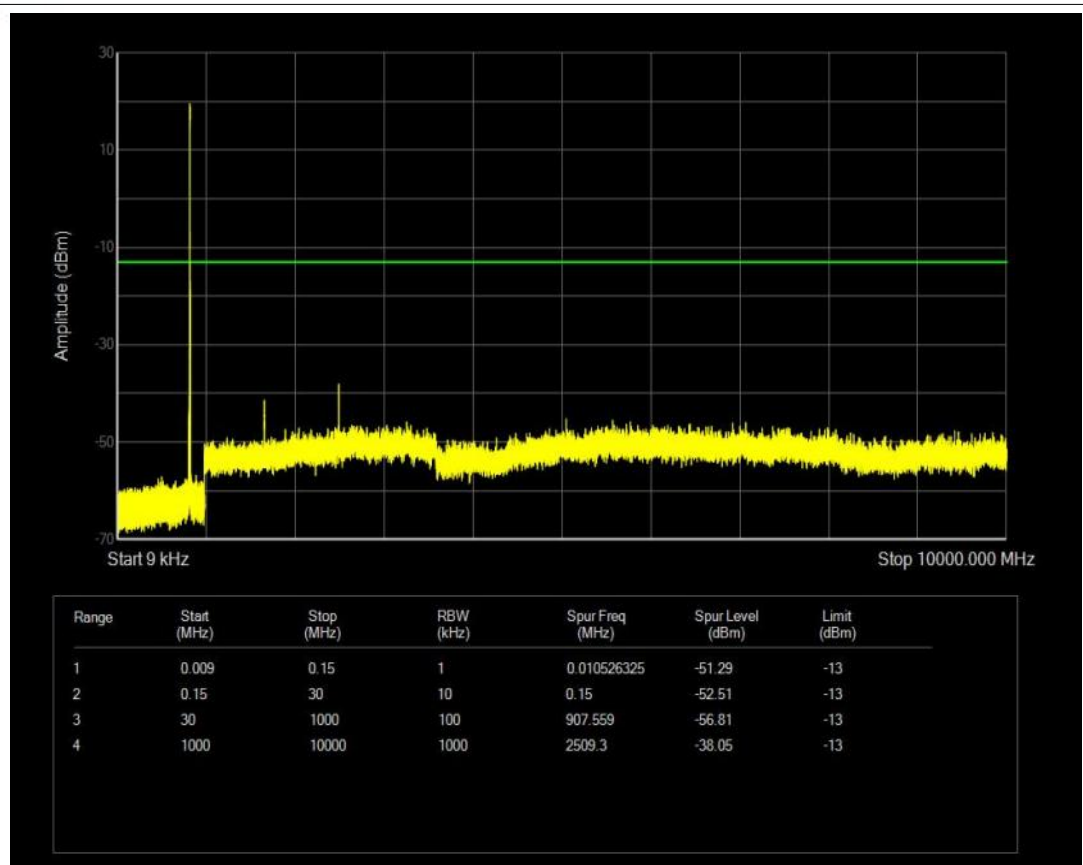
Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



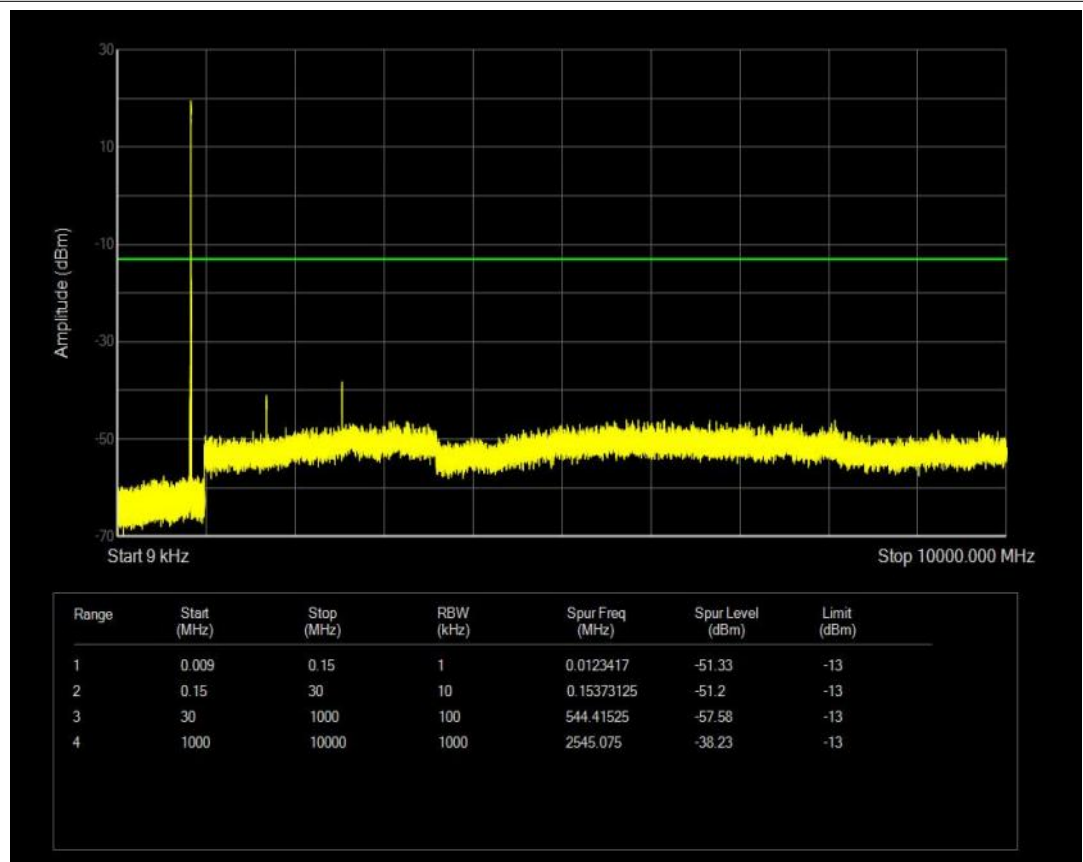
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0 NVNT



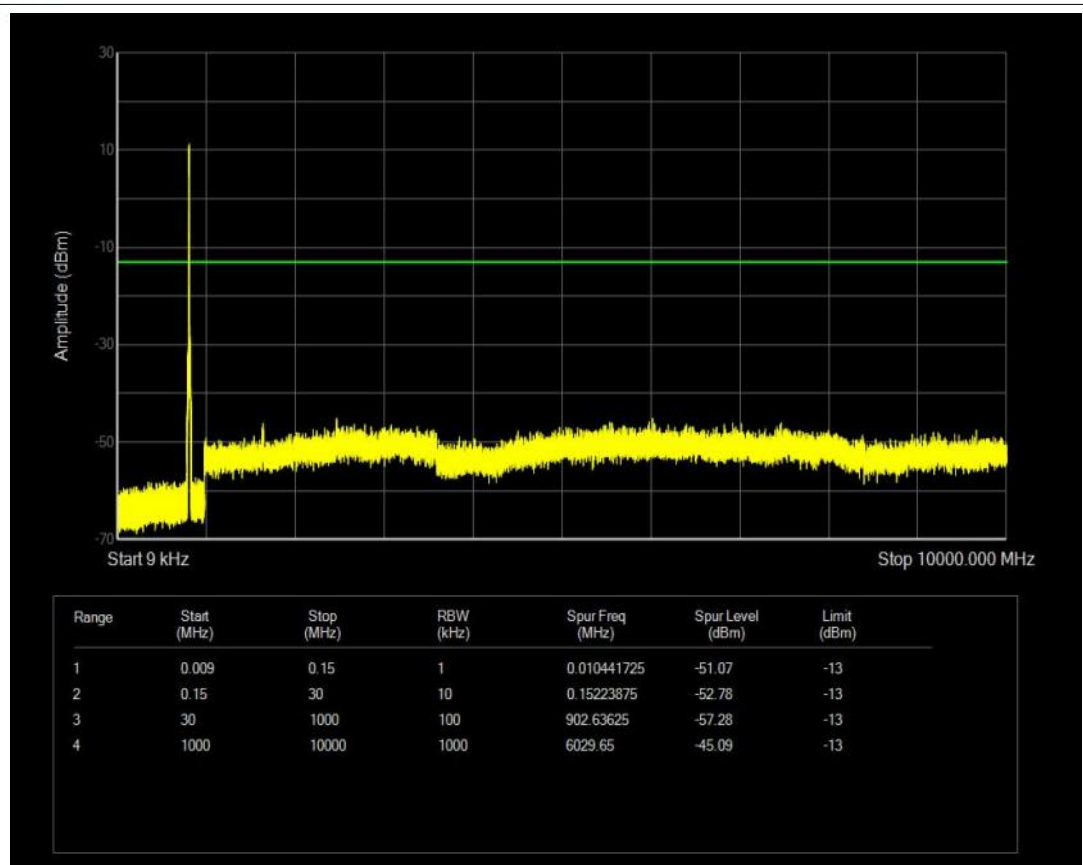
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0 NVNT



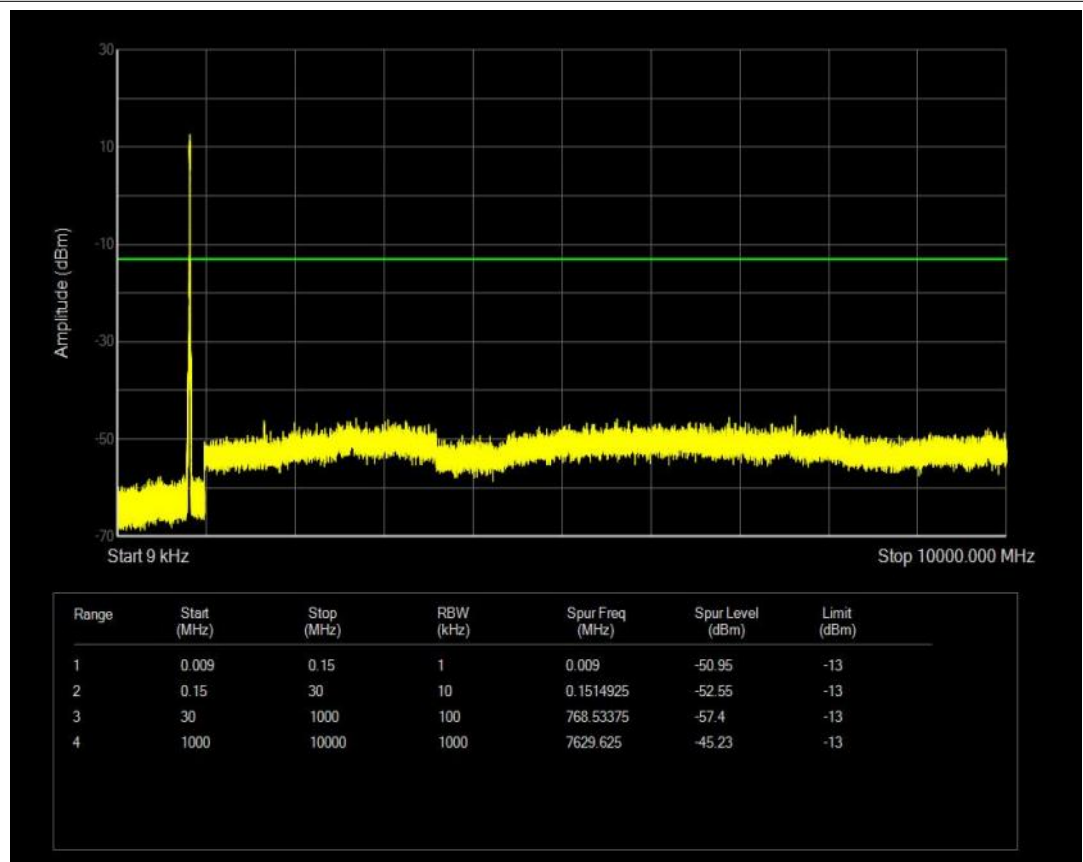
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0 NVNT



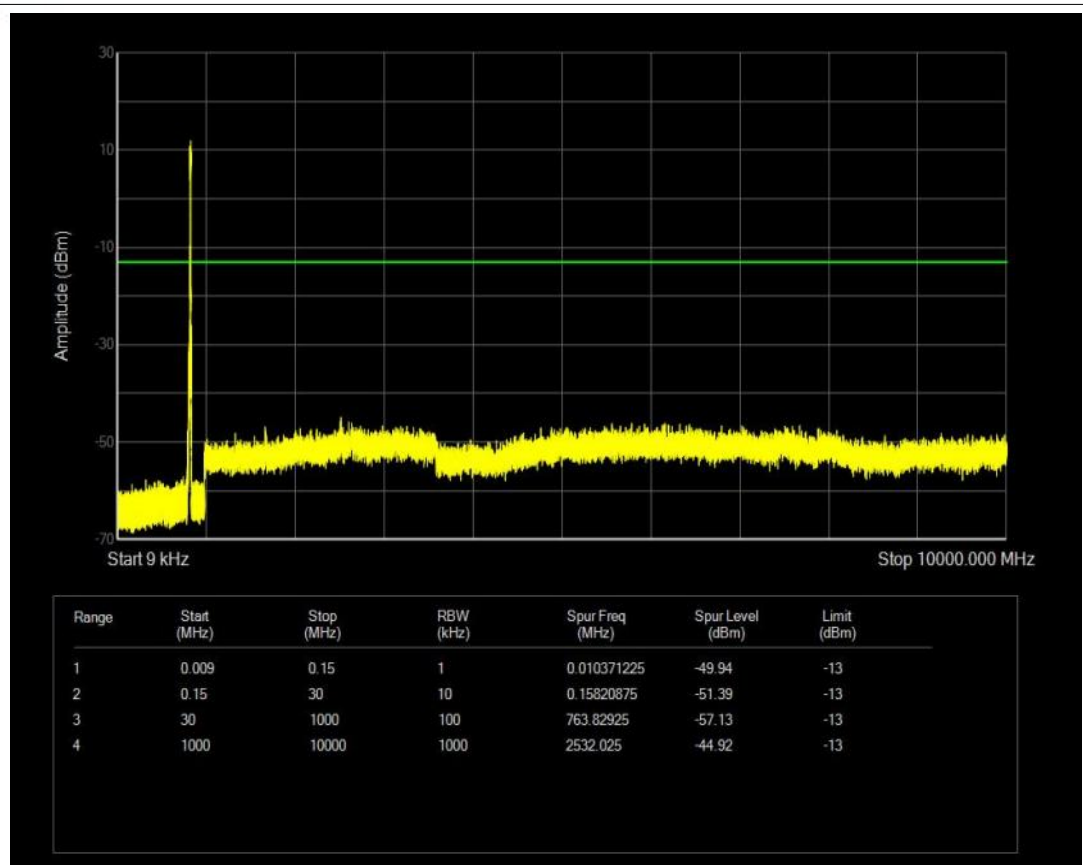
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0 NVNT



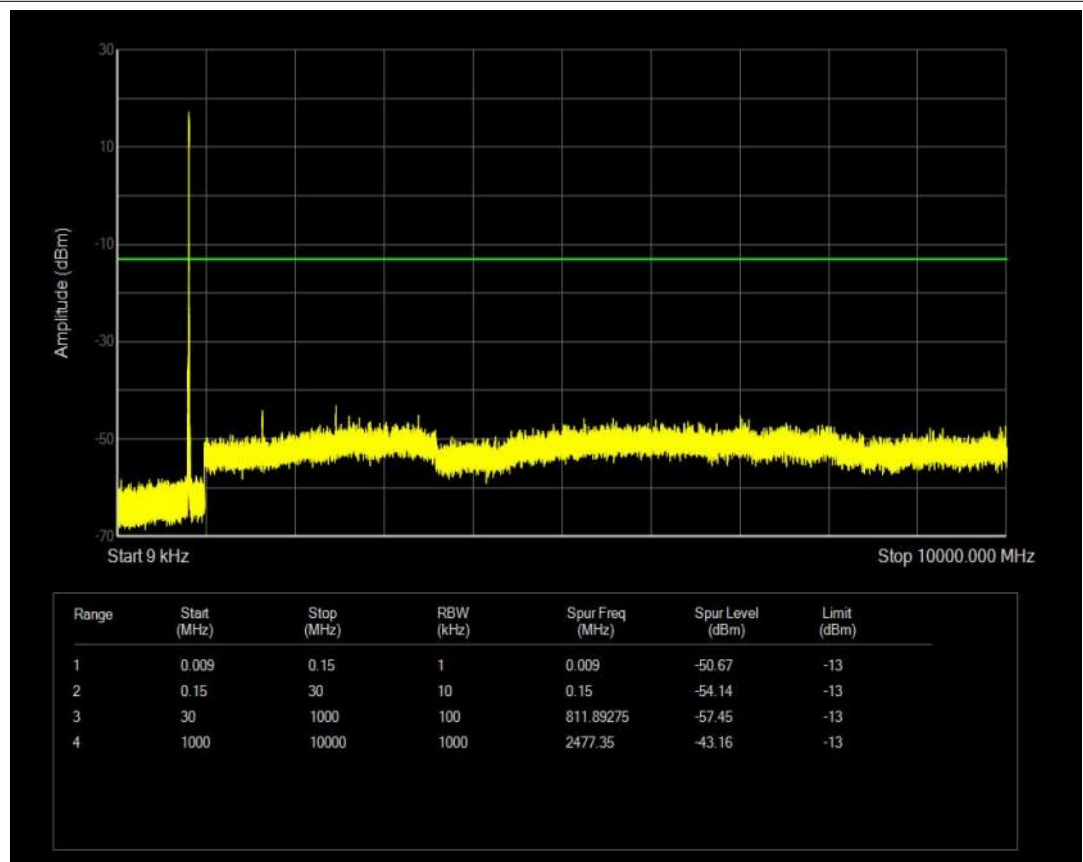
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



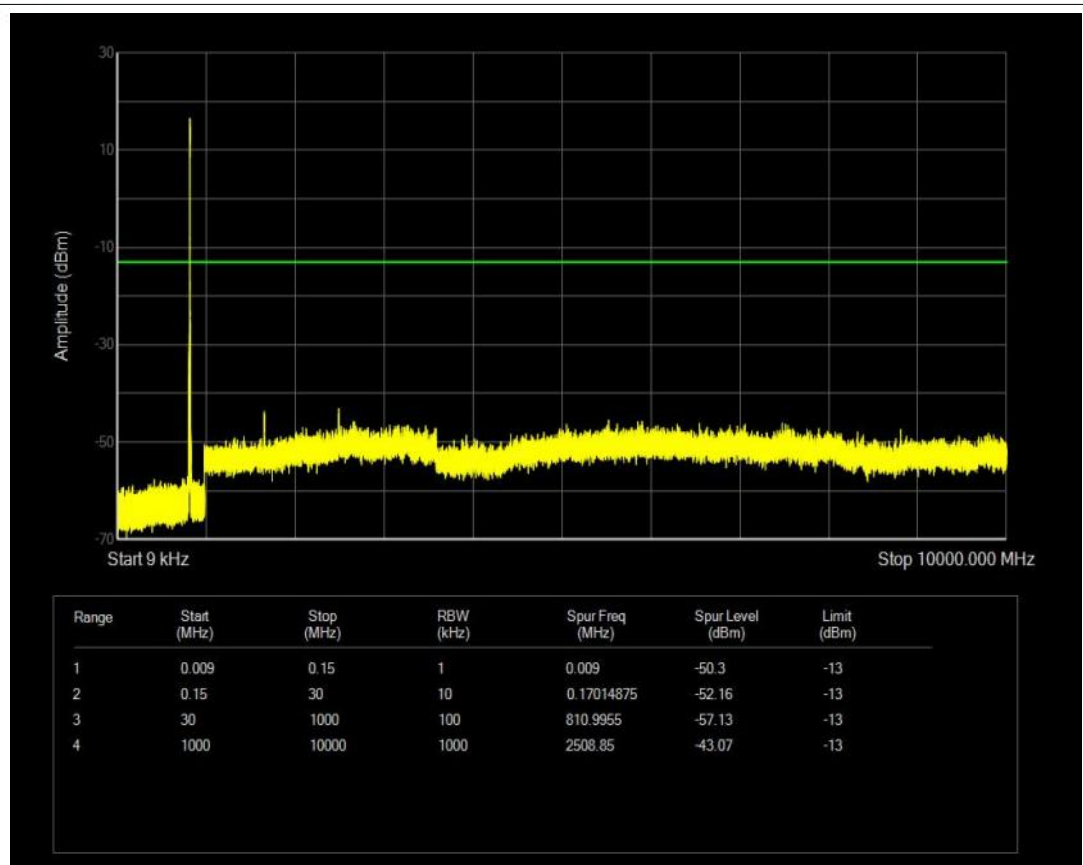
Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0 NVNT



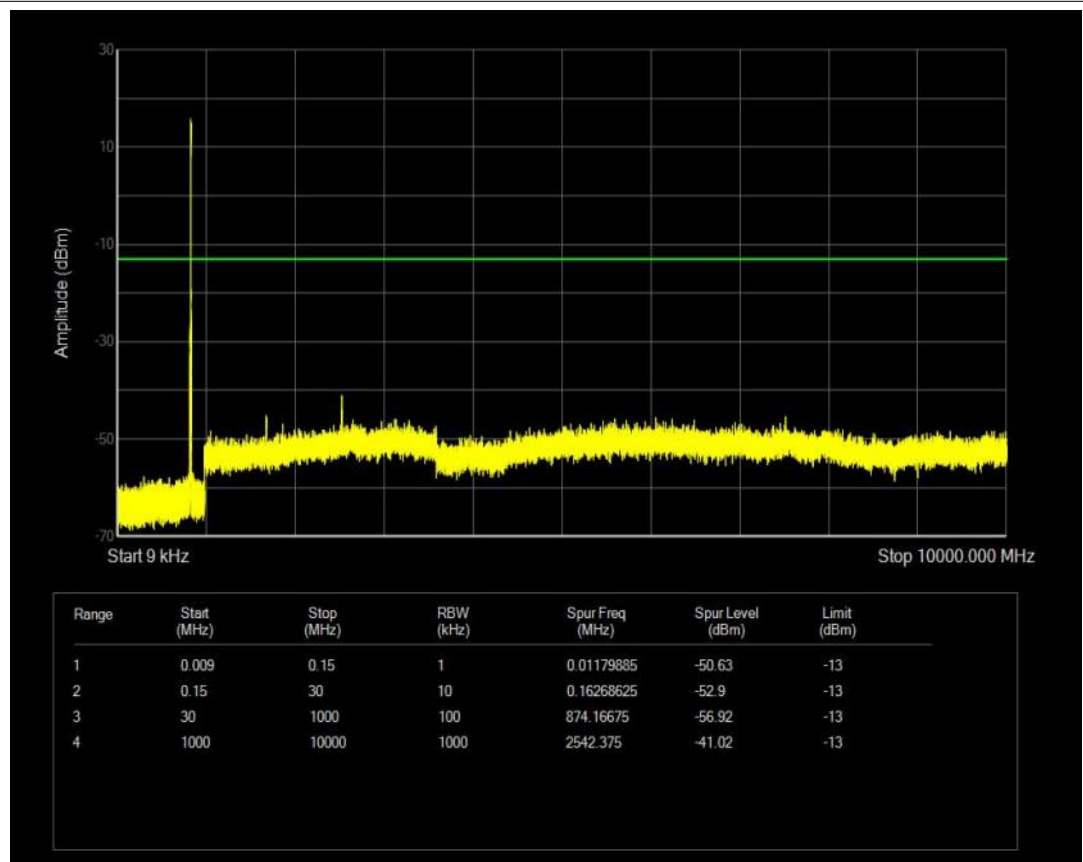
Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0 NVNT



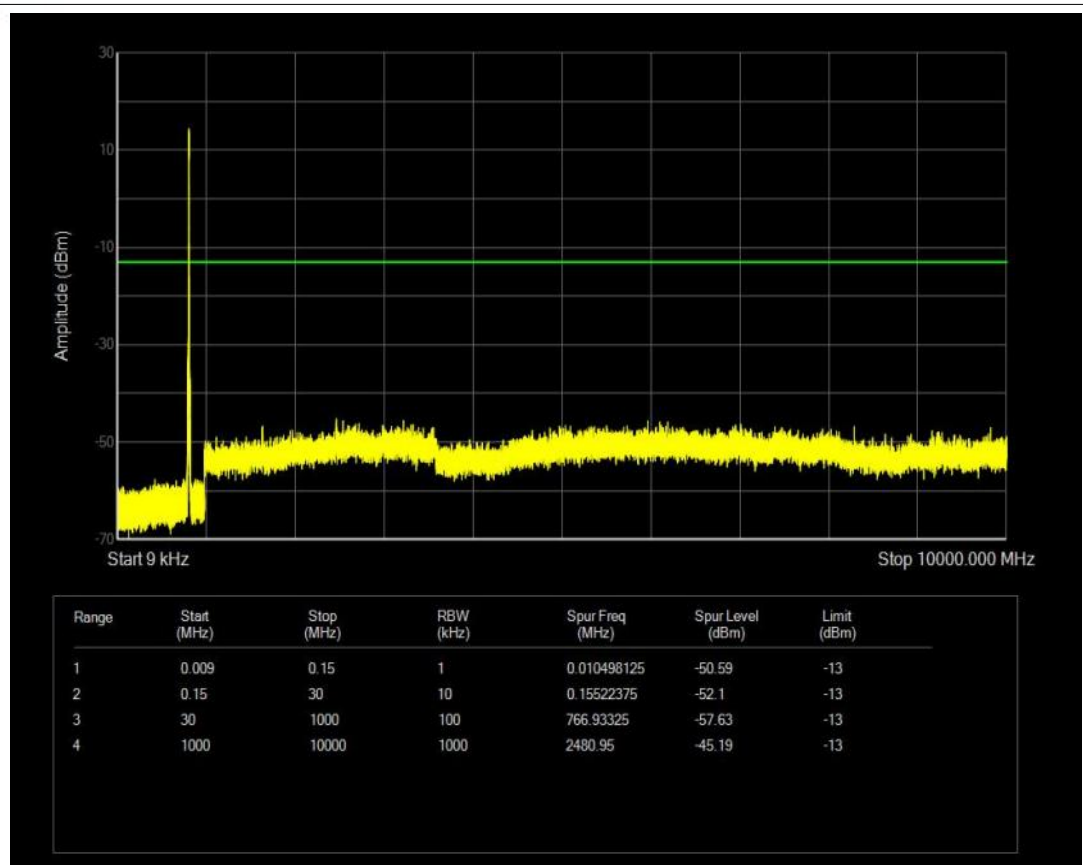
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0 NVNT



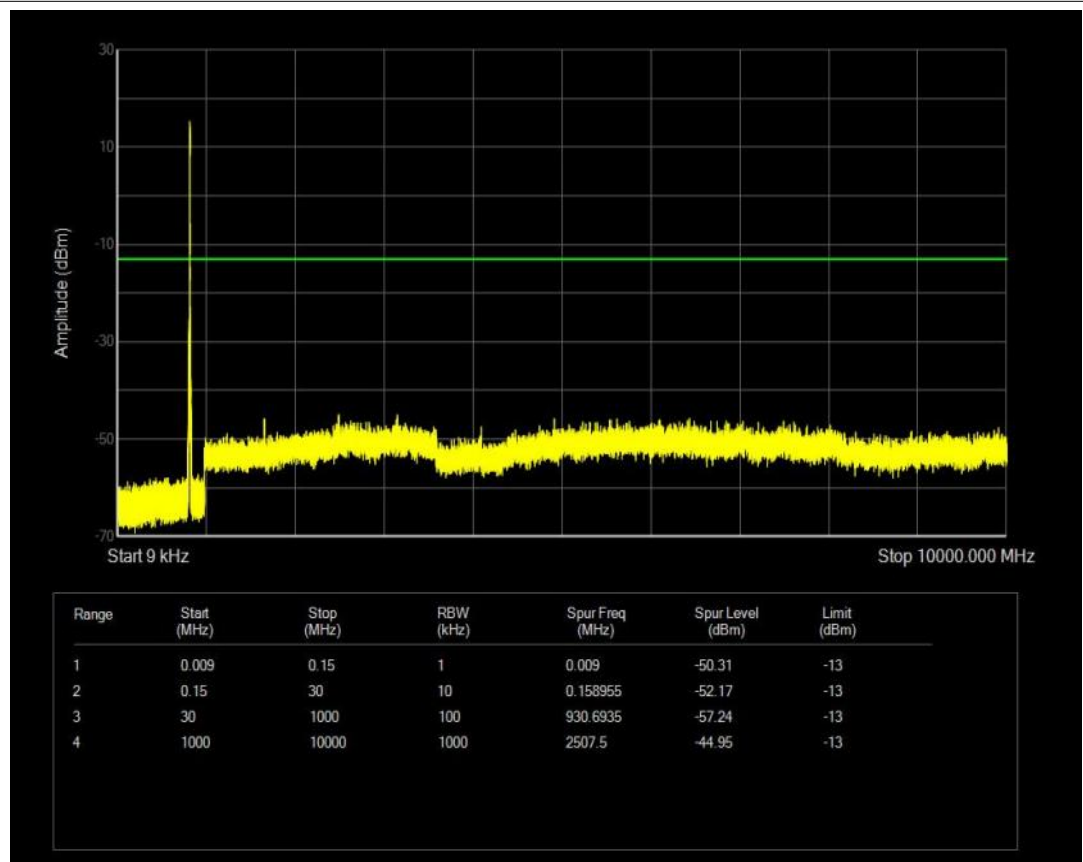
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0 NVNT



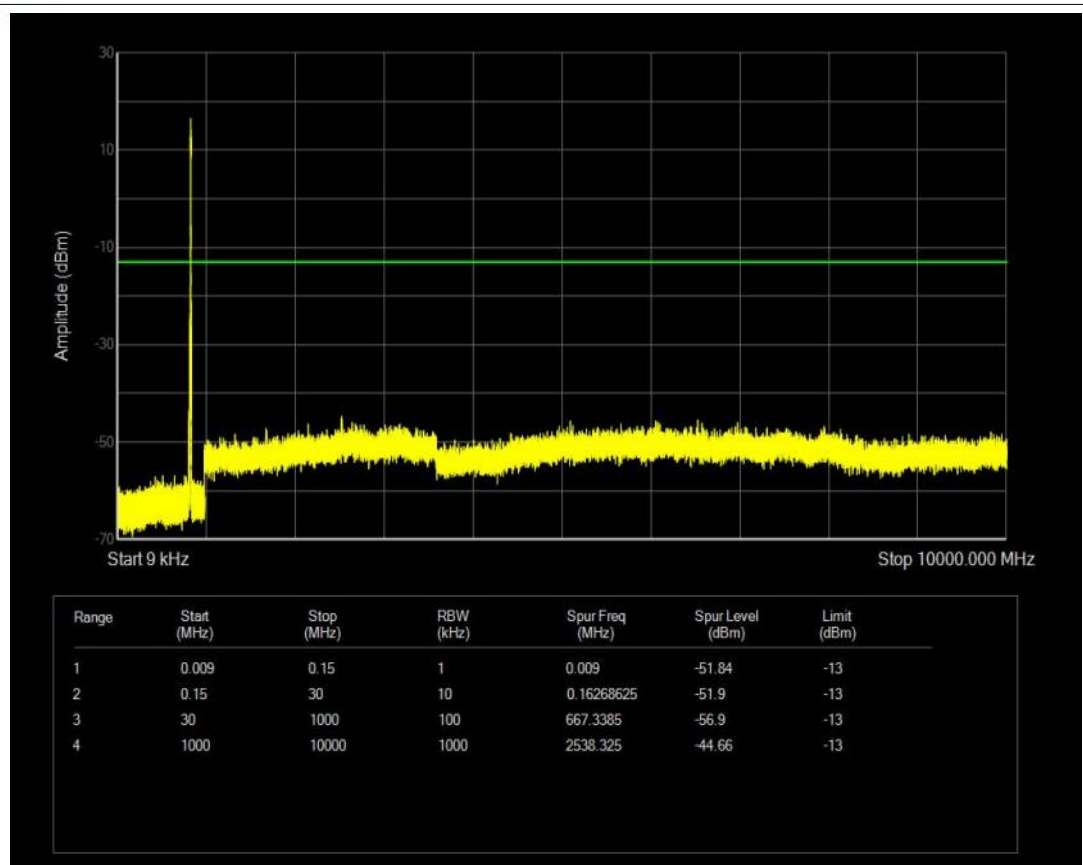
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0 NVNT



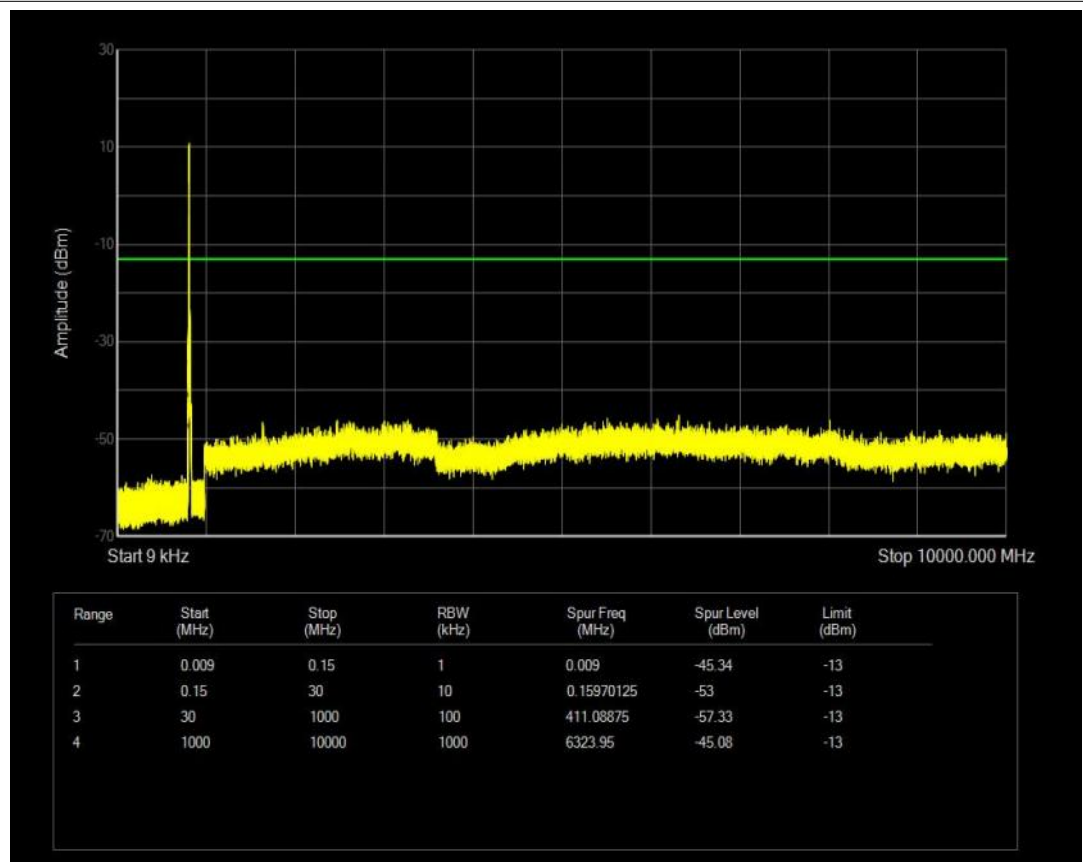
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0 NVNT



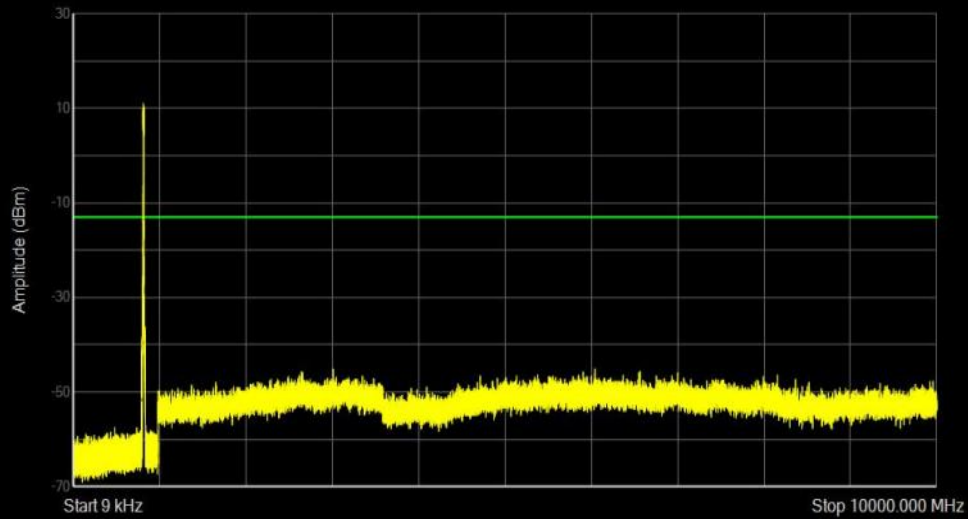
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0 NVNT



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

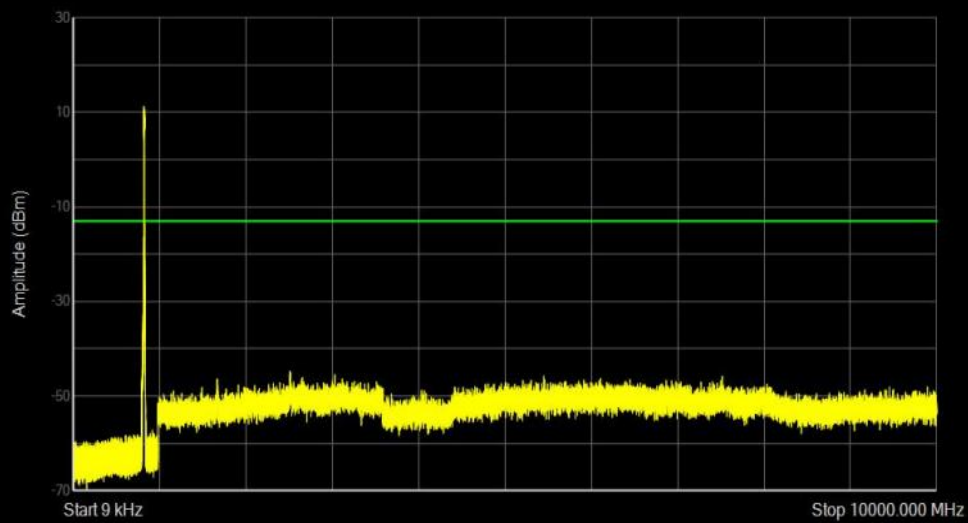


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0 NVNT



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009059925	-47.26	-13
2	0.15	30	10	0.1544775	-54.09	-13
3	30	1000	100	504.524	-57.48	-13
4	1000	10000	1000	6051.925	-45.08	-13

Band5 16QAM BW=10MHz Channel=20525 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	-49.27	-13
2	0.15	30	10	0.15522375	-54.63	-13
3	30	1000	100	937.89575	-57.18	-13
4	1000	10000	1000	2527.975	-44.74	-13

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