

Appendix for Band 5

Report No.: BCTC2501698786-2E

Applicant: Shenzhen Efercro Electronic Technology Co., Ltd.

Product Name: Smart PTZ Battery Camera

Test Model: S1

Tested Date: 2025-01-09 to 2025-01-15

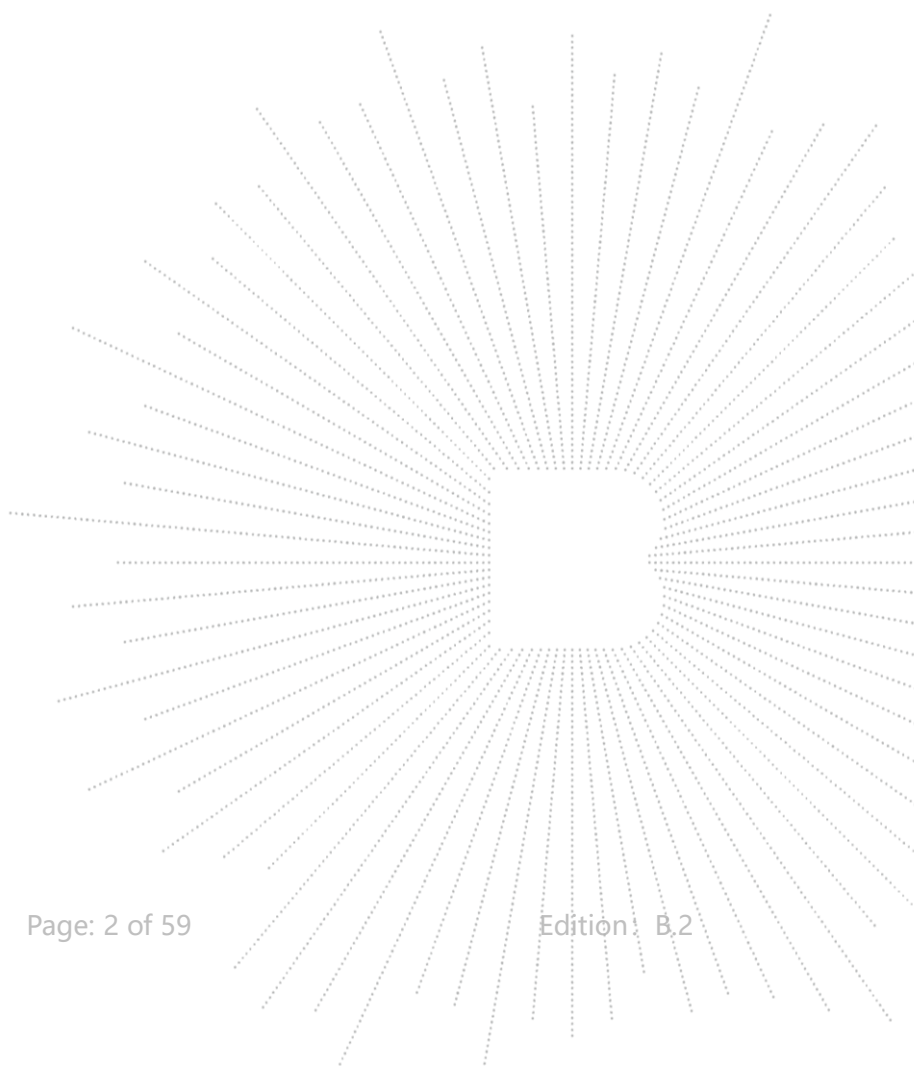
Issued Date: 2025-02-18

Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

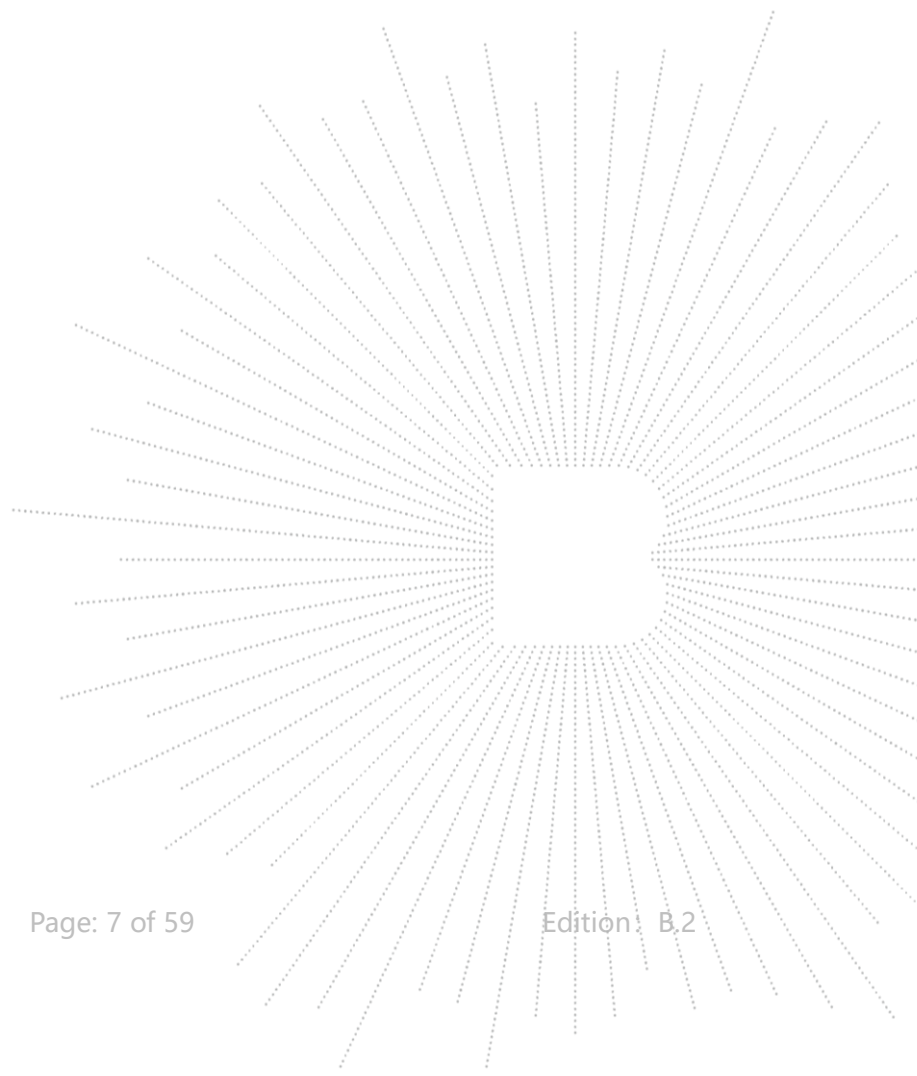
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	23.15	PASS
Band5	1.4	20407	1	#Mid	QPSK	23.16	PASS
Band5	1.4	20407	1	#Max	QPSK	23.18	PASS
Band5	1.4	20407	3	#0	QPSK	23.09	PASS
Band5	1.4	20407	3	#Mid	QPSK	23.22	PASS
Band5	1.4	20407	3	#Max	QPSK	23.22	PASS
Band5	1.4	20407	6	#0	QPSK	22.28	PASS
Band5	1.4	20407	1	#0	16QAM	22.36	PASS
Band5	1.4	20407	1	#Mid	16QAM	22.39	PASS
Band5	1.4	20407	1	#Max	16QAM	22.4	PASS
Band5	1.4	20407	3	#0	16QAM	22.24	PASS
Band5	1.4	20407	3	#Mid	16QAM	22.26	PASS
Band5	1.4	20407	3	#Max	16QAM	22.26	PASS
Band5	1.4	20407	6	#0	16QAM	21.59	PASS
Band5	1.4	20525	1	#0	QPSK	22.89	PASS
Band5	1.4	20525	1	#Mid	QPSK	22.87	PASS
Band5	1.4	20525	1	#Max	QPSK	22.83	PASS
Band5	1.4	20525	3	#0	QPSK	22.93	PASS
Band5	1.4	20525	3	#Mid	QPSK	22.91	PASS
Band5	1.4	20525	3	#Max	QPSK	22.89	PASS
Band5	1.4	20525	6	#0	QPSK	21.89	PASS
Band5	1.4	20525	1	#0	16QAM	21.88	PASS
Band5	1.4	20525	1	#Mid	16QAM	21.87	PASS
Band5	1.4	20525	1	#Max	16QAM	21.87	PASS
Band5	1.4	20525	3	#0	16QAM	22.25	PASS
Band5	1.4	20525	3	#Mid	16QAM	22.26	PASS
Band5	1.4	20525	3	#Max	16QAM	22.24	PASS
Band5	1.4	20525	6	#0	16QAM	21.13	PASS
Band5	1.4	20643	1	#0	QPSK	22.89	PASS
Band5	1.4	20643	1	#Mid	QPSK	22.78	PASS
Band5	1.4	20643	1	#Max	QPSK	22.67	PASS
Band5	1.4	20643	3	#0	QPSK	22.75	PASS
Band5	1.4	20643	3	#Mid	QPSK	22.7	PASS
Band5	1.4	20643	3	#Max	QPSK	22.65	PASS
Band5	1.4	20643	6	#0	QPSK	21.84	PASS
Band5	1.4	20643	1	#0	16QAM	22.03	PASS
Band5	1.4	20643	1	#Mid	16QAM	21.97	PASS

Band5	1.4	20643	1	#Max	16QAM	21.89	PASS
Band5	1.4	20643	3	#0	16QAM	21.93	PASS
Band5	1.4	20643	3	#Mid	16QAM	21.89	PASS
Band5	1.4	20643	3	#Max	16QAM	21.85	PASS
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Band5	3	20415	1	#0	QPSK	23.03	PASS
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Band5	3	20415	8	#0	QPSK	22.29	PASS
Band5	3	20415	8	#Mid	QPSK	22.34	PASS
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Band5	3	20415	8	#Mid	16QAM	21.47	PASS
Band5	3	20415	8	#Max	16QAM	21.42	PASS
Band5	3	20415	15	#0	16QAM	21.4	PASS
Band5	3	20525	1	#0	QPSK	22.69	PASS
Band5	3	20525	1	#Mid	QPSK	22.92	PASS
Band5	3	20525	1	#Max	QPSK	22.81	PASS
Band5	3	20525	8	#0	QPSK	21.89	PASS
Band5	3	20525	8	#Mid	QPSK	21.93	PASS
Band5	3	20525	8	#Max	QPSK	21.9	PASS
Band5	3	20525	15	#0	QPSK	21.89	PASS
Band5	3	20525	1	#0	16QAM	21.71	PASS
Band5	3	20525	1	#Mid	16QAM	21.98	PASS
Band5	3	20525	1	#Max	16QAM	21.83	PASS
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Band5	3	20525	8	#Max	16QAM	21.12	PASS
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Band5	3	20635	1	#0	QPSK	22.97	PASS
Band5	3	20635	1	#Mid	QPSK	23.12	PASS
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Band5	3	20635	8	#0	QPSK	22.11	PASS
Band5	3	20635	8	#Mid	QPSK	22.15	PASS
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Band5	3	20635	15	#0	QPSK	22.06	PASS
Band5	3	20635	1	#0	16QAM	22.13	PASS
Band5	3	20635	1	#Mid	16QAM	22.28	PASS

Band5	3	20635	1	#Max	16QAM	21.9	PASS
Band5	3	20635	8	#0	16QAM	21.13	PASS
Band5	3	20635	8	#Mid	16QAM	21.17	PASS
Band5	3	20635	8	#Max	16QAM	21.04	PASS
Band5	3	20635	15	#0	16QAM	21.15	PASS
Band5	5	20425	1	#0	QPSK	23.31	PASS
Band5	5	20425	1	#Mid	QPSK	23.27	PASS
Band5	5	20425	1	#Max	QPSK	23.17	PASS
Band5	5	20425	12	#0	QPSK	22.36	PASS
Band5	5	20425	12	#Mid	QPSK	22.34	PASS
Band5	5	20425	12	#Max	QPSK	22.3	PASS
Band5	5	20425	25	#0	QPSK	22.36	PASS
Band5	5	20425	1	#0	16QAM	22.79	PASS
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Band5	5	20425	1	#Max	16QAM	22.71	PASS
Band5	5	20425	12	#0	16QAM	21.54	PASS
Band5	5	20425	12	#Mid	16QAM	21.51	PASS
Band5	5	20425	12	#Max	16QAM	21.46	PASS
Band5	5	20425	25	#0	16QAM	21.56	PASS
Band5	5	20525	1	#0	QPSK	22.97	PASS
Band5	5	20525	1	#Mid	QPSK	23	PASS
Band5	5	20525	1	#Max	QPSK	23.12	PASS
Band5	5	20525	12	#0	QPSK	21.96	PASS
Band5	5	20525	12	#Mid	QPSK	21.98	PASS
Band5	5	20525	12	#Max	QPSK	22.04	PASS
Band5	5	20525	25	#0	QPSK	22.01	PASS
Band5	5	20525	1	#0	16QAM	22.23	PASS
Band5	5	20525	1	#Mid	16QAM	22.28	PASS
Band5	5	20525	1	#Max	16QAM	22.4	PASS
Band5	5	20525	12	#0	16QAM	21.1	PASS
Band5	5	20525	12	#Mid	16QAM	21.1	PASS
Band5	5	20525	12	#Max	16QAM	21.18	PASS
Band5	5	20525	25	#0	16QAM	21.18	PASS
Band5	5	20625	1	#0	QPSK	23.28	PASS
Band5	5	20625	1	#Mid	QPSK	23.17	PASS
Band5	5	20625	1	#Max	QPSK	22.95	PASS
Band5	5	20625	12	#0	QPSK	22.26	PASS
Band5	5	20625	12	#Mid	QPSK	22.27	PASS
Band5	5	20625	12	#Max	QPSK	22.21	PASS
Band5	5	20625	25	#0	QPSK	22.25	PASS
Band5	5	20625	1	#0	16QAM	22.89	PASS
Band5	5	20625	1	#Mid	16QAM	22.82	PASS

Band5	5	20625	1	#Max	16QAM	22.61	PASS
Band5	5	20625	12	#0	16QAM	21.37	PASS
Band5	5	20625	12	#Mid	16QAM	21.35	PASS
Band5	5	20625	12	#Max	16QAM	21.32	PASS
Band5	5	20625	25	#0	16QAM	21.33	PASS
Band5	10	20450	1	#0	QPSK	23.76	PASS
Band5	10	20450	1	#Mid	QPSK	23.63	PASS
Band5	10	20450	1	#Max	QPSK	23.45	PASS
Band5	10	20450	25	#0	QPSK	22.94	PASS
Band5	10	20450	25	#Mid	QPSK	22.89	PASS
Band5	10	20450	25	#Max	QPSK	22.82	PASS
Band5	10	20450	50	#0	QPSK	22.9	PASS
Band5	10	20525	1	#0	QPSK	23.44	PASS
Band5	10	20525	1	#Mid	QPSK	23.54	PASS
Band5	10	20525	1	#Max	QPSK	23.7	PASS
Band5	10	20525	25	#0	QPSK	22.51	PASS
Band5	10	20525	25	#Mid	QPSK	22.61	PASS
Band5	10	20525	25	#Max	QPSK	22.68	PASS
Band5	10	20525	50	#0	QPSK	22.6	PASS
Band5	10	20600	1	#0	QPSK	23.91	PASS
Band5	10	20600	1	#Mid	QPSK	23.81	PASS
Band5	10	20600	1	#Max	QPSK	23.59	PASS
Band5	10	20600	25	#0	QPSK	22.99	PASS
Band5	10	20600	25	#Mid	QPSK	22.93	PASS
Band5	10	20600	25	#Max	QPSK	22.87	PASS
Band5	10	20600	50	#0	QPSK	22.94	PASS
Band5	10	20450	1	#0	16QAM	23.14	PASS
Band5	10	20450	1	#Mid	16QAM	24.53	PASS
Band5	10	20450	1	#Max	16QAM	24.67	PASS
Band5	10	20450	25	#0	16QAM	22.61	PASS
Band5	10	20450	25	#Mid	16QAM	23.12	PASS
Band5	10	20450	25	#Max	16QAM	23.12	PASS
Band5	10	20450	50	#0	16QAM	23.08	PASS
Band5	10	20525	1	#0	16QAM	23.05	PASS
Band5	10	20525	1	#Mid	16QAM	23.26	PASS
Band5	10	20525	1	#Max	16QAM	23.19	PASS
Band5	10	20525	25	#0	16QAM	22.78	PASS
Band5	10	20525	25	#Mid	16QAM	23.21	PASS
Band5	10	20525	25	#Max	16QAM	22.75	PASS
Band5	10	20525	50	#0	16QAM	23.21	PASS
Band5	10	20600	1	#0	16QAM	23.97	PASS
Band5	10	20600	1	#Mid	16QAM	23.29	PASS

Band5	10	20600	1	#Max	16QAM	23.85	PASS
Band5	10	20600	25	#0	16QAM	22.72	PASS
Band5	10	20600	25	#Mid	16QAM	23.12	PASS
Band5	10	20600	25	#Max	16QAM	22.63	PASS
Band5	10	20600	50	#0	16QAM	23.01	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band5	1.4	20407	6	#0	QPSK	LV	NT	-1.09	-0.001	-2.5	2.5	PASS
Band5	1.4	20407	6	#0	QPSK	NV	NT	-0.06	0.000	-2.5	2.5	PASS
Band5	1.4	20407	6	#0	QPSK	HV	NT	-0.26	0.000	-2.5	2.5	PASS
Band5	1.4	20407	6	#0	16QAM	LV	NT	-0.99	-0.001	-2.5	2.5	PASS
Band5	1.4	20407	6	#0	16QAM	NV	NT	-0.33	0.000	-2.5	2.5	PASS
Band5	1.4	20407	6	#0	16QAM	HV	NT	-0.34	0.000	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	QPSK	LV	NT	0.20	0.000	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	QPSK	NV	NT	0.21	0.000	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	QPSK	HV	NT	0.10	0.000	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	16QAM	LV	NT	0.70	0.001	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	16QAM	NV	NT	0.31	0.000	-2.5	2.5	PASS
Band5	1.4	20525	6	#0	16QAM	HV	NT	0.59	0.001	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	QPSK	LV	NT	0.30	0.000	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	QPSK	NV	NT	0.57	0.001	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	QPSK	HV	NT	0.07	0.000	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	16QAM	LV	NT	0.53	0.001	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	16QAM	NV	NT	0.06	0.000	-2.5	2.5	PASS
Band5	1.4	20643	6	#0	16QAM	HV	NT	-0.23	0.000	-2.5	2.5	PASS

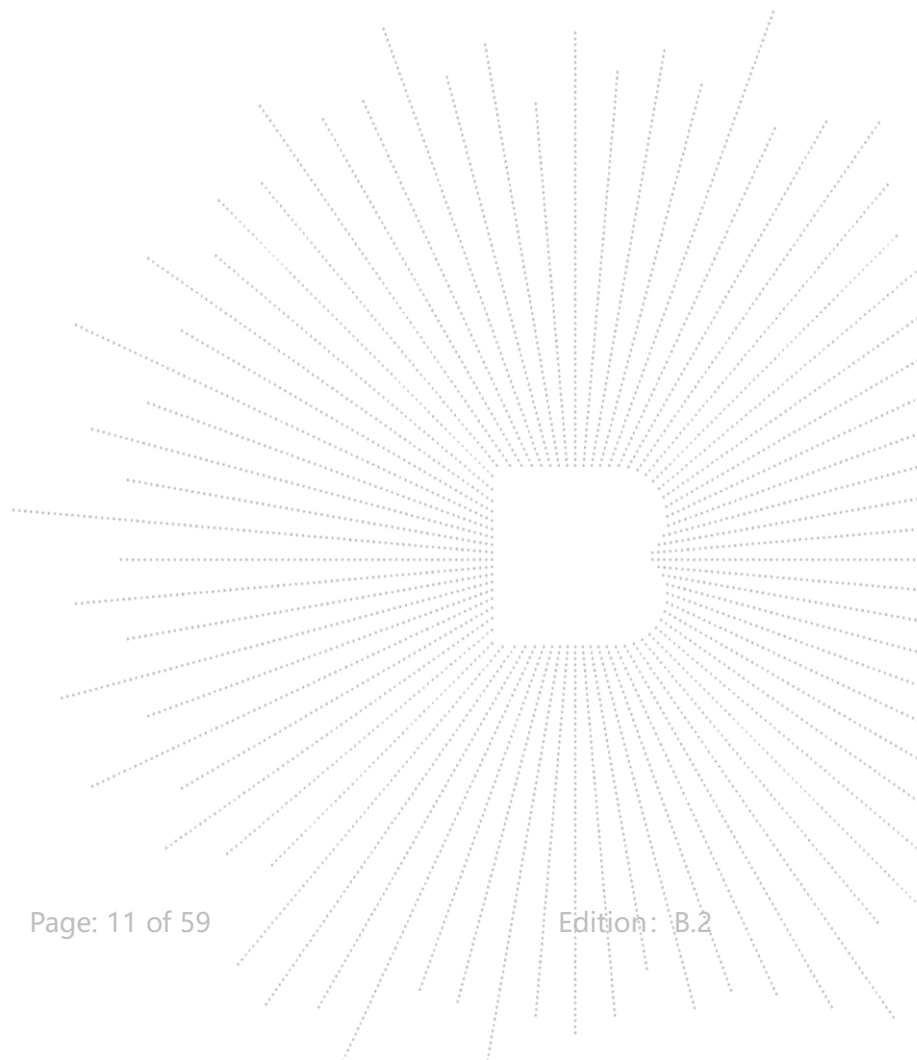


Ban d5	3	20415	15	#0	QPSK	LV	NT	-0.9 2	-0.0 01	-2.5	2.5	PAS S
Ban d5	3	20415	15	#0	QPSK	NV	NT	-0.7 3	-0.0 01	-2.5	2.5	PAS S
Ban d5	3	20415	15	#0	QPSK	HV	NT	-0.1 3	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20415	15	#0	16QAM	LV	NT	-0.4 1	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20415	15	#0	16QAM	NV	NT	-0.7 0	-0.0 01	-2.5	2.5	PAS S
Ban d5	3	20415	15	#0	16QAM	HV	NT	-0.4 7	-0.0 01	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	QPSK	LV	NT	0.54	0.00 1	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	QPSK	NV	NT	-0.1 6	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	QPSK	HV	NT	0.24	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	16QAM	LV	NT	0.36	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	16QAM	NV	NT	0.39	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20525	15	#0	16QAM	HV	NT	0.47	0.00 1	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	QPSK	LV	NT	-0.6 4	-0.0 01	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	QPSK	NV	NT	-0.2 3	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	QPSK	HV	NT	-0.0 1	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	16QAM	LV	NT	-0.3 3	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	16QAM	NV	NT	0.14	0.00 0	-2.5	2.5	PAS S
Ban d5	3	20635	15	#0	16QAM	HV	NT	0.20	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20425	25	#0	QPSK	LV	NT	0.11	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20425	25	#0	QPSK	NV	NT	0.19	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20425	25	#0	QPSK	HV	NT	0.21	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20425	25	#0	16QAM	LV	NT	-0.1 3	0.00 0	-2.5	2.5	PAS S



Ban d5	5	20425	25	#0	16QAM	NV	NT	-0.5 7	-0.0 01	-2.5	2.5	PAS S
Ban d5	5	20425	25	#0	16QAM	HV	NT	-0.0 3	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	QPSK	LV	NT	-0.2 6	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	QPSK	NV	NT	0.34	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	QPSK	HV	NT	-0.2 9	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	16QAM	LV	NT	0.24	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	16QAM	NV	NT	-0.1 9	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20525	25	#0	16QAM	HV	NT	-0.2 7	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	QPSK	LV	NT	0.19	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	QPSK	NV	NT	-0.4 9	-0.0 01	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	QPSK	HV	NT	-0.1 0	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	16QAM	LV	NT	-0.5 9	-0.0 01	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	16QAM	NV	NT	-0.3 0	0.00 0	-2.5	2.5	PAS S
Ban d5	5	20625	25	#0	16QAM	HV	NT	-0.1 3	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	QPSK	LV	NT	-0.0 6	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	QPSK	NV	NT	0.19	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	QPSK	HV	NT	-0.6 2	-0.0 01	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	QPSK	LV	NT	0.60	0.00 1	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	QPSK	NV	NT	0.24	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	QPSK	HV	NT	0.07	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20600	50	#0	QPSK	LV	NT	-0.5 7	-0.0 01	-2.5	2.5	PAS S
Ban d5	10	20600	50	#0	QPSK	NV	NT	0.01	0.00 0	-2.5	2.5	PAS S

Ban d5	10	20600	50	#0	QPSK	HV	NT	-0.0 7	0.00 0	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	16QAM	LV	NT	-0.9 7	-0.0 01	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	16QAM	NV	NT	-3.0 0	-0.0 04	-2.5	2.5	PAS S
Ban d5	10	20450	50	#0	16QAM	HV	NT	-6.7 5	-0.0 08	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	16QAM	LV	NT	-2.4 7	-0.0 03	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	16QAM	NV	NT	1.57	0.00 2	-2.5	2.5	PAS S
Ban d5	10	20525	50	#0	16QAM	HV	NT	2.47	0.00 3	-2.5	2.5	PAS S
Ban d5	10	20600	50	#0	16QAM	LV	NT	-2.4 5	-0.0 03	-2.5	2.5	PAS S
Ban d5	10	20600	50	#0	16QAM	NV	NT	-1.1 7	-0.0 01	-2.5	2.5	PAS S
Ban d5	10	20600	50	#0	16QAM	HV	NT	-3.9 9	-0.0 05	-2.5	2.5	PAS S

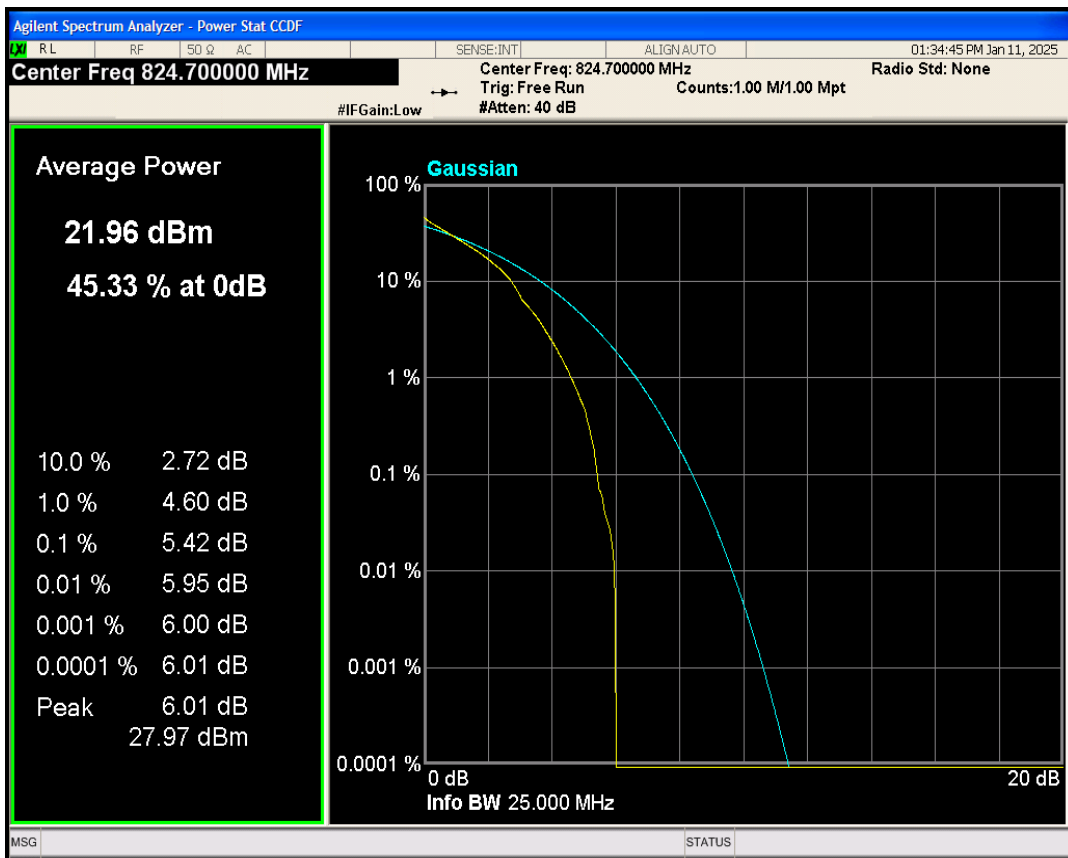


Appendix 3. Peak-to-Average Ratio

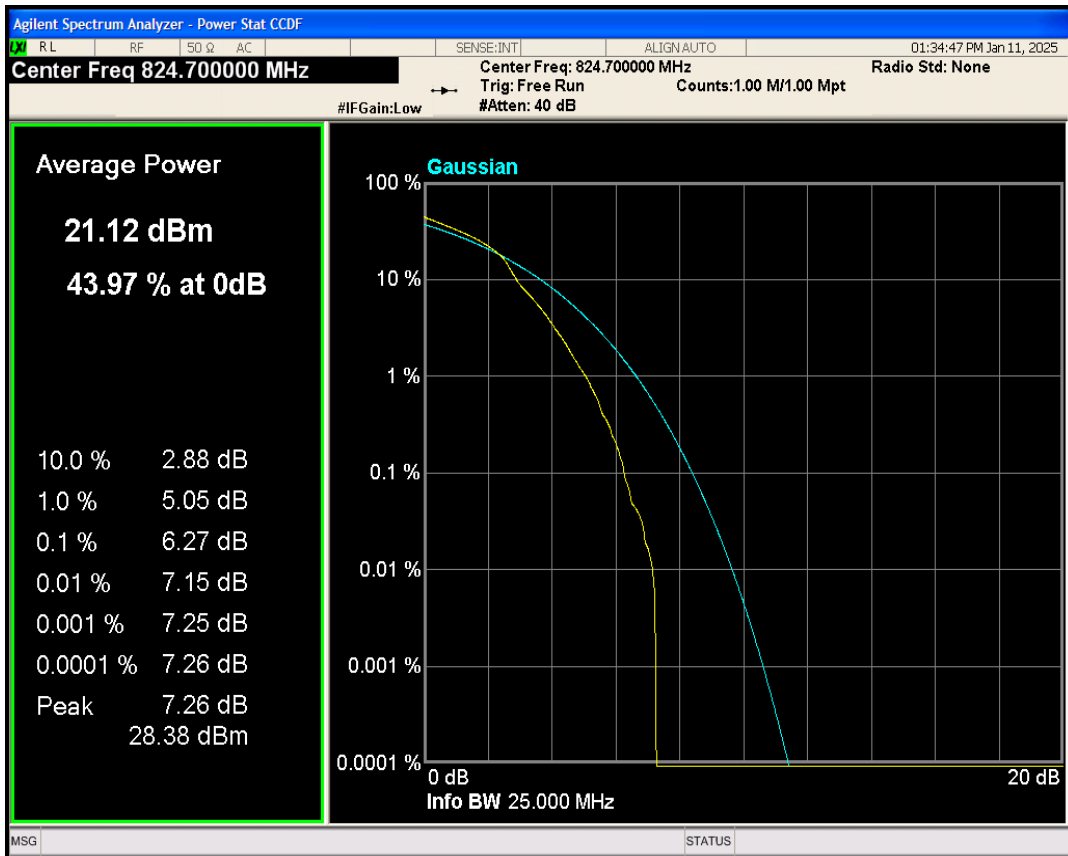
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band5	1.4	20407	1	#0	QPSK	5.42	13	PASS
Band5	1.4	20407	1	#0	16QAM	6.27	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.42	13	PASS
Band5	1.4	20525	1	#0	16QAM	6.23	13	PASS
Band5	1.4	20643	1	#0	QPSK	5.28	13	PASS
Band5	1.4	20643	1	#0	16QAM	5.96	13	PASS
Band5	3	20415	1	#0	QPSK	5.38	13	PASS
Band5	3	20415	1	#0	16QAM	6.34	13	PASS
Band5	3	20525	1	#0	QPSK	5.40	13	PASS
Band5	3	20525	1	#0	16QAM	6.06	13	PASS
Band5	3	20635	1	#0	QPSK	4.77	13	PASS
Band5	3	20635	1	#0	16QAM	5.48	13	PASS
Band5	5	20425	1	#0	QPSK	5.22	13	PASS
Band5	5	20425	1	#0	16QAM	6.27	13	PASS
Band5	5	20525	1	#0	QPSK	5.06	13	PASS
Band5	5	20525	1	#0	16QAM	5.78	13	PASS
Band5	5	20625	1	#0	QPSK	4.58	13	PASS
Band5	5	20625	1	#0	16QAM	5.06	13	PASS
Band5	10	20450	1	#0	QPSK	5.54	13	PASS
Band5	10	20525	1	#0	QPSK	4.71	13	PASS
Band5	10	20600	1	#0	QPSK	5.87	13	PASS
Band5	10	20450	1	#0	16QAM	5.72	13	PASS
Band5	10	20525	1	#0	16QAM	5.95	13	PASS
Band5	10	20600	1	#0	16QAM	5.94	13	PASS



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

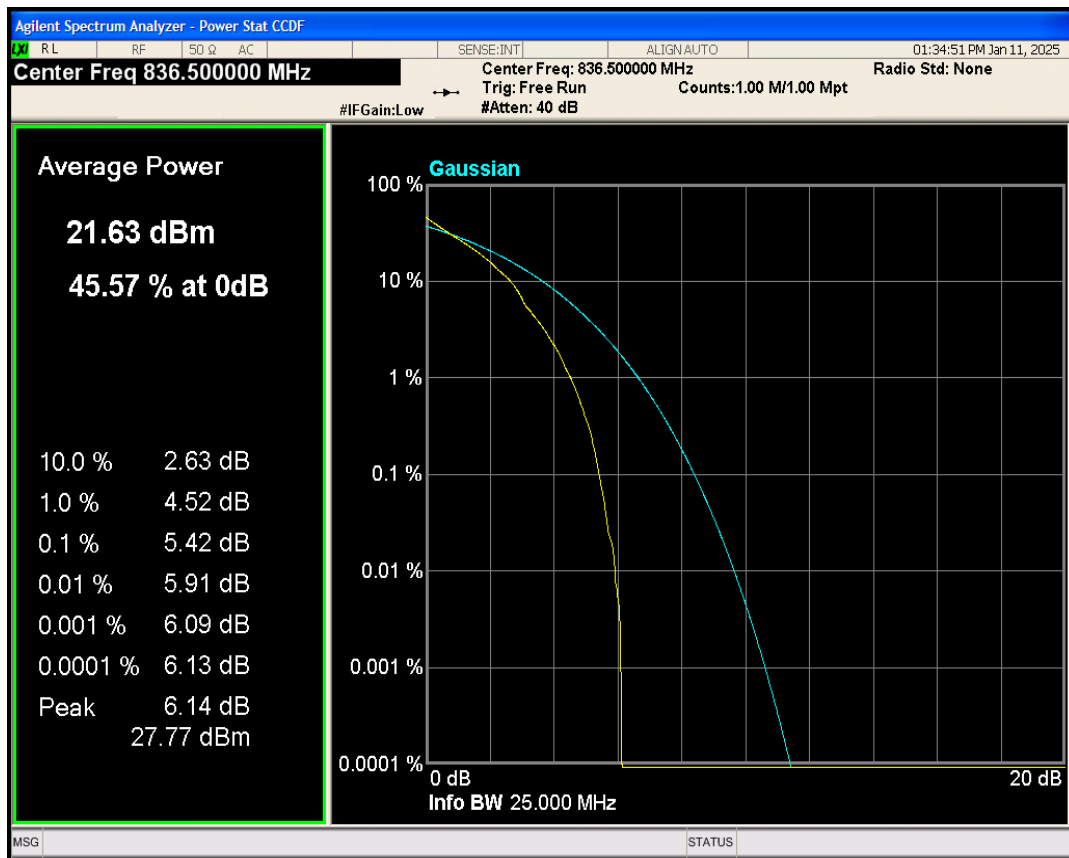


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0

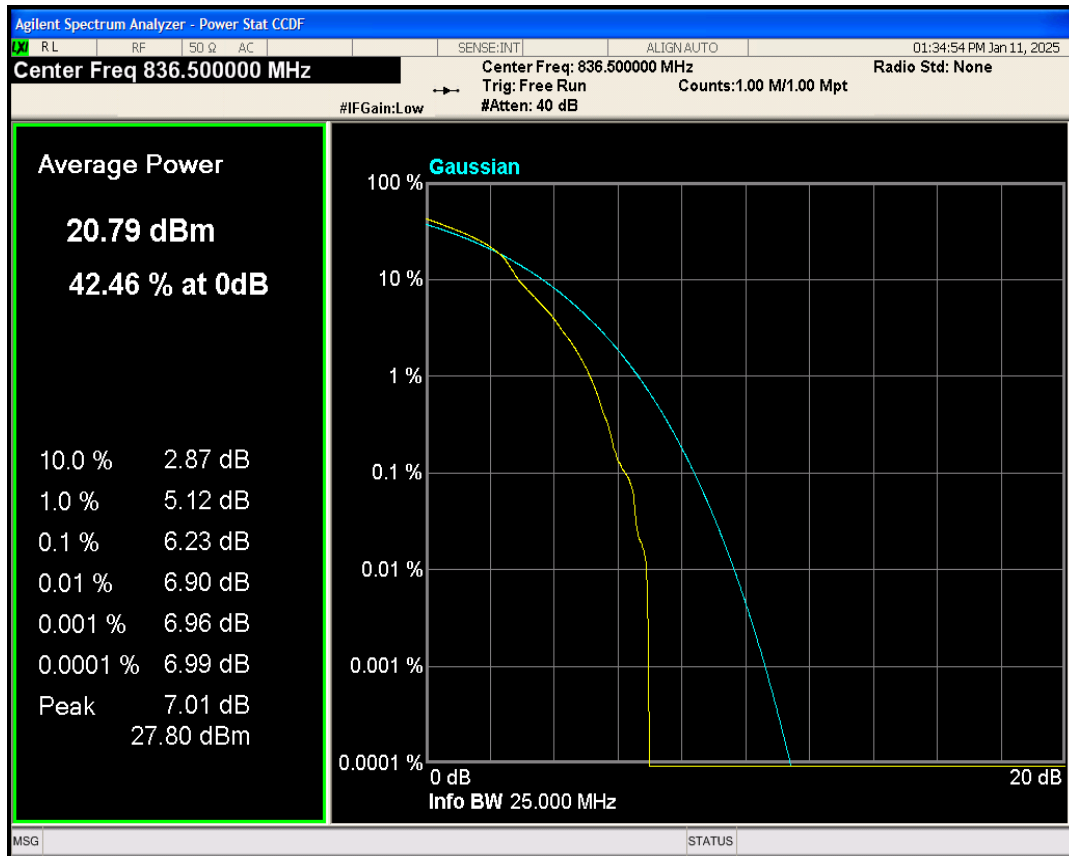




Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0

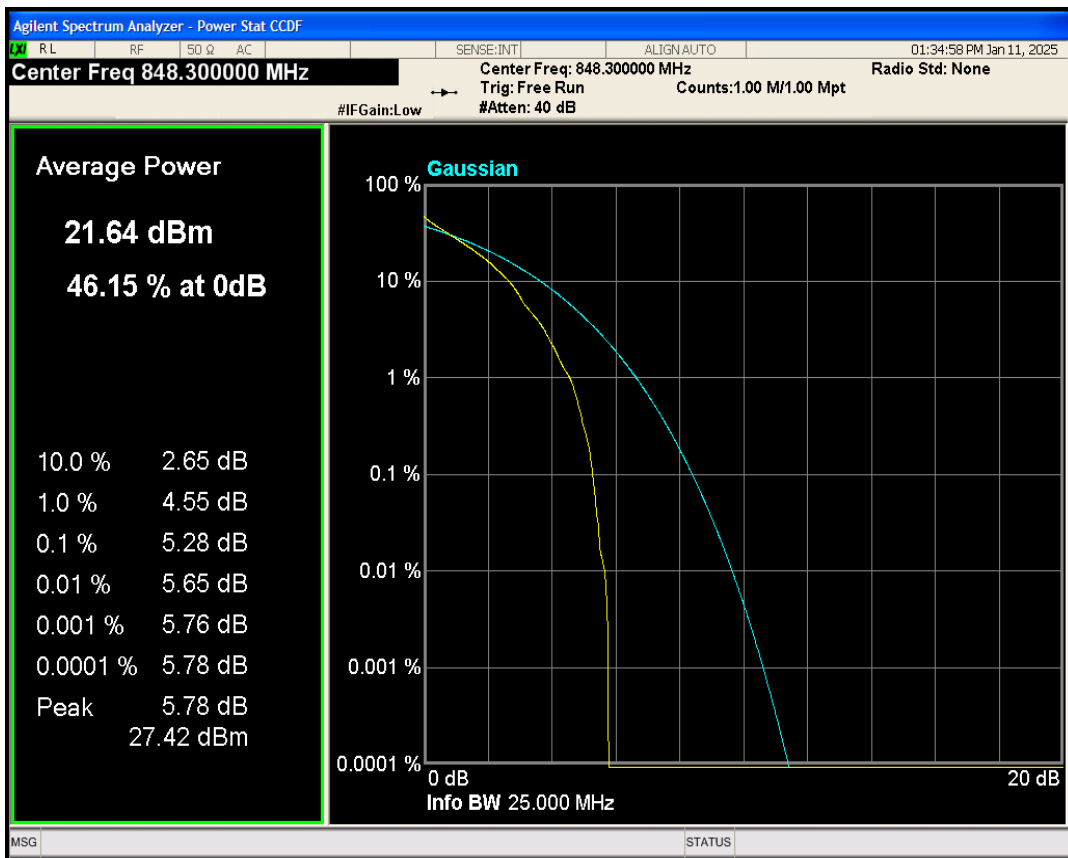


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0

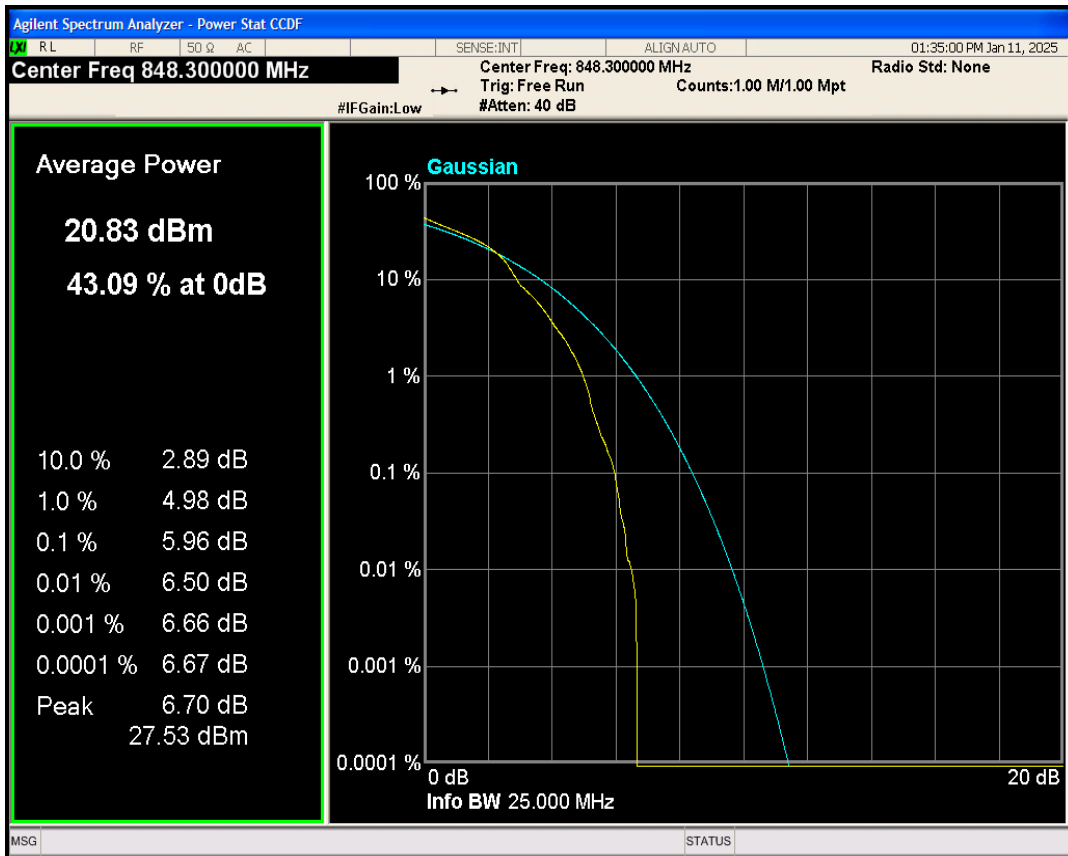




Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0

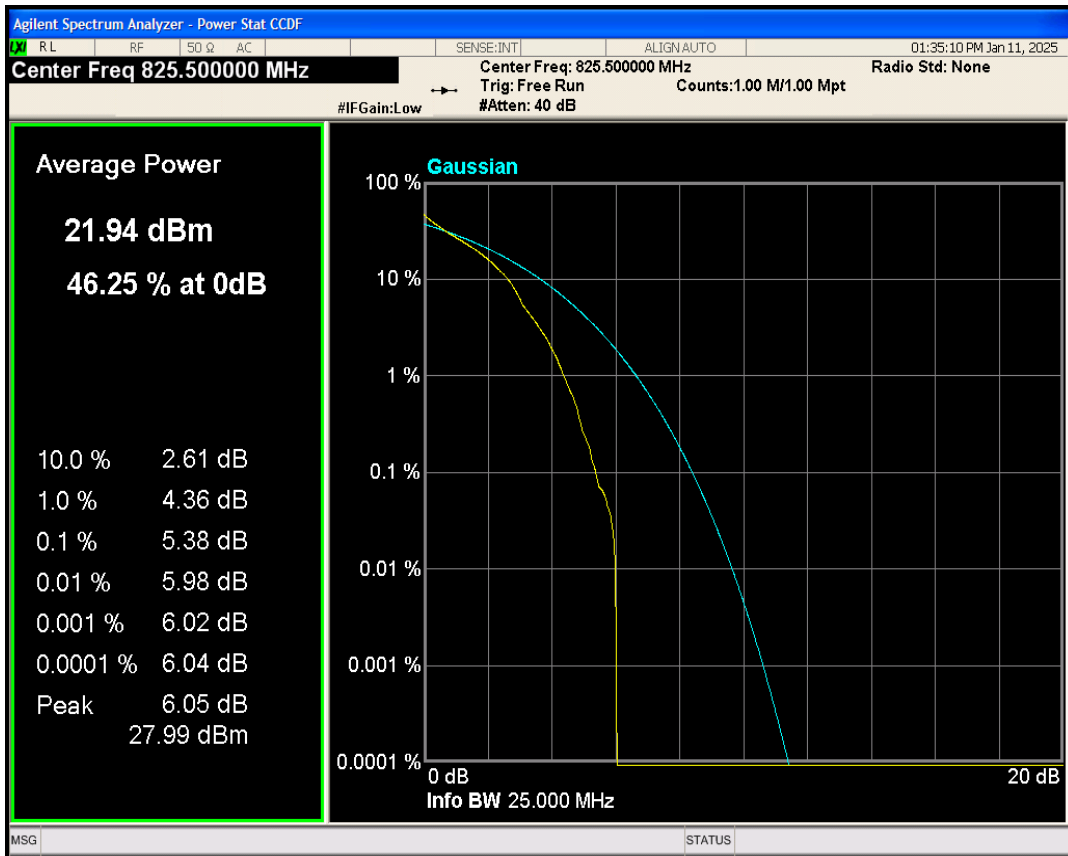


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0

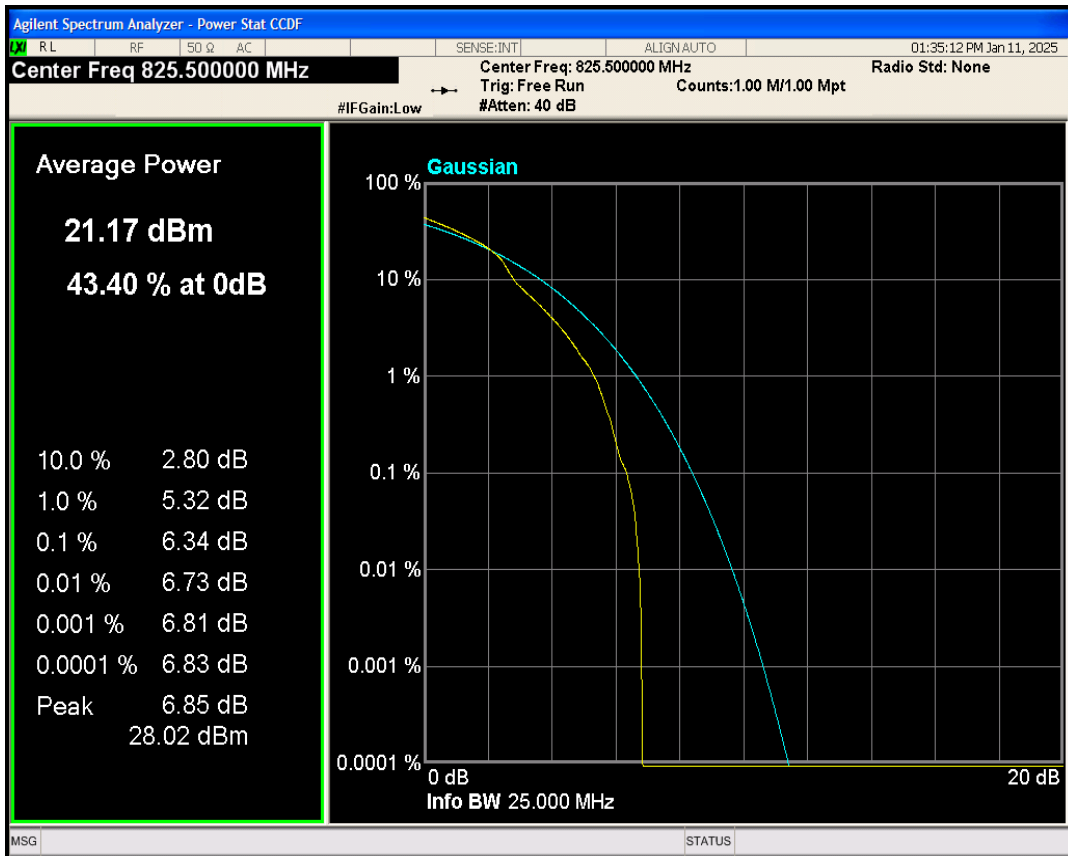




Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0

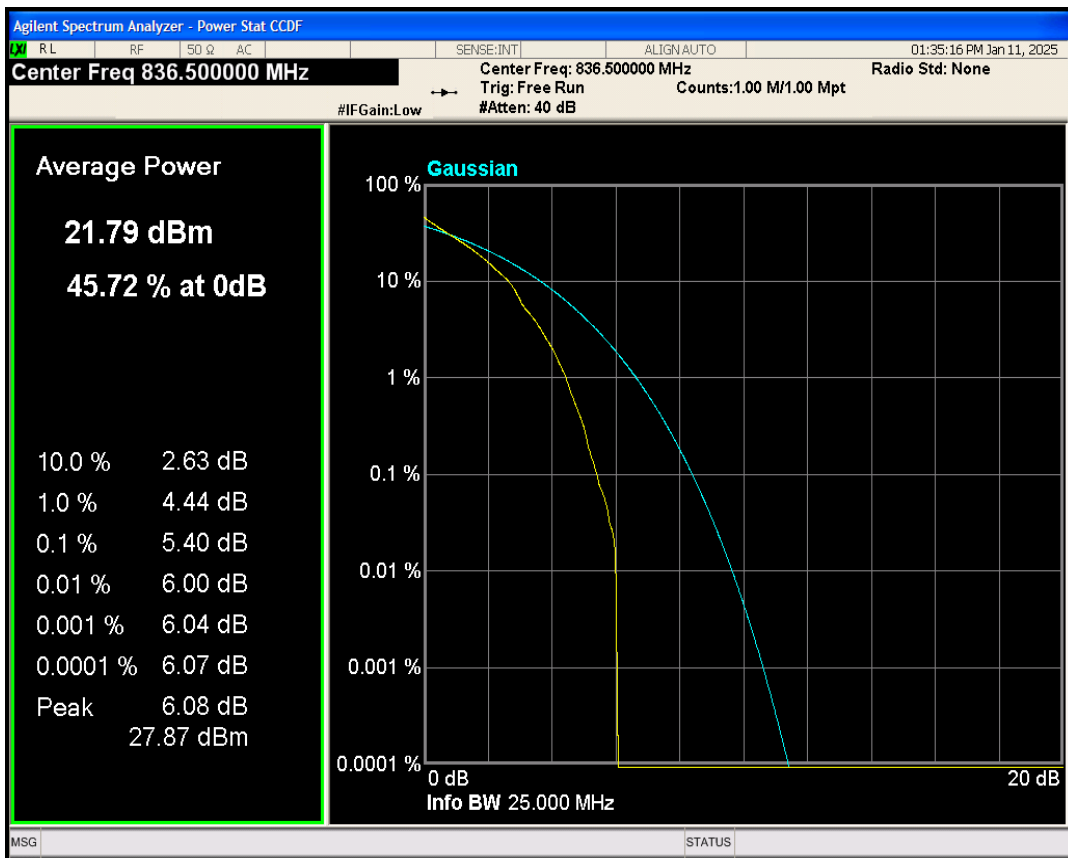


Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

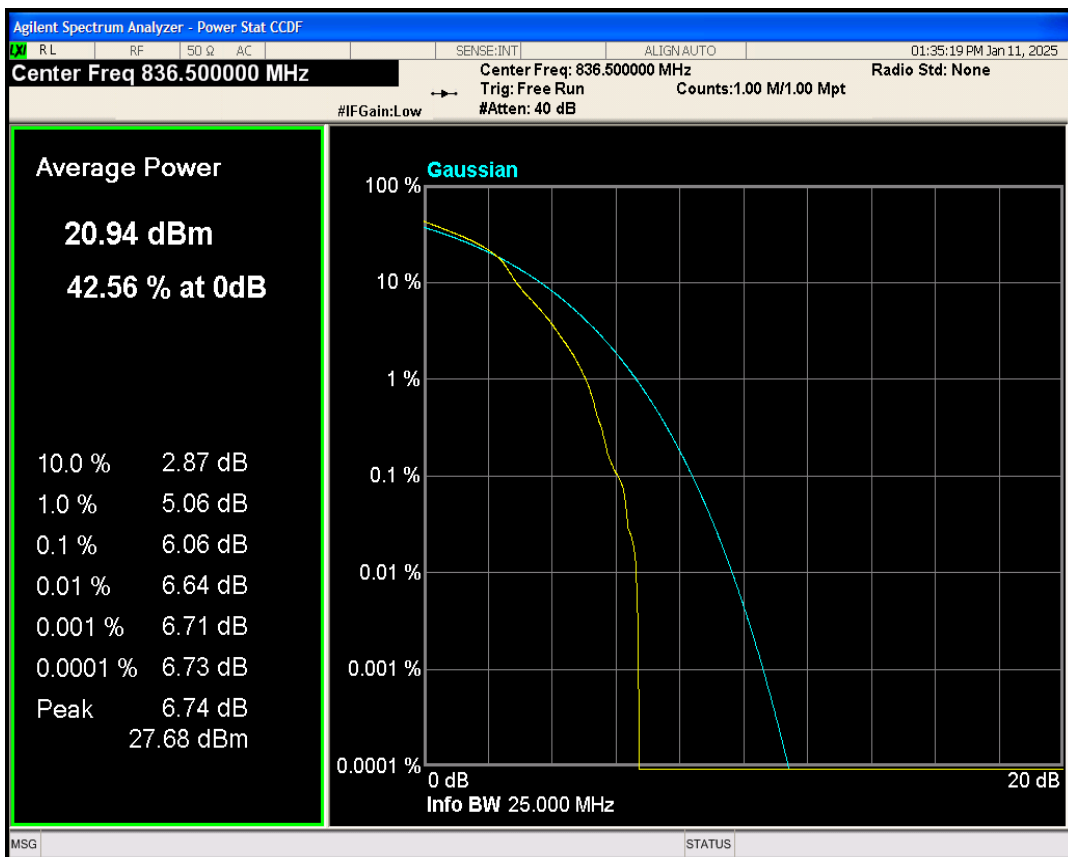




Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0

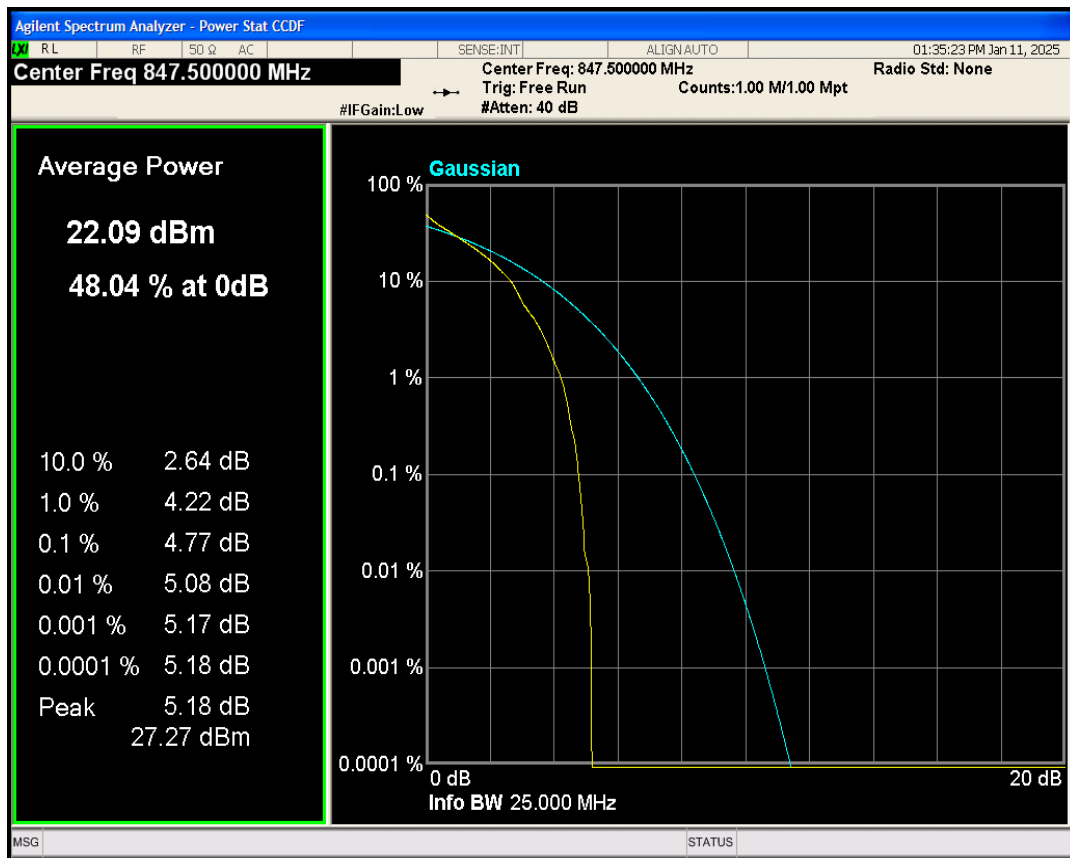


Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0

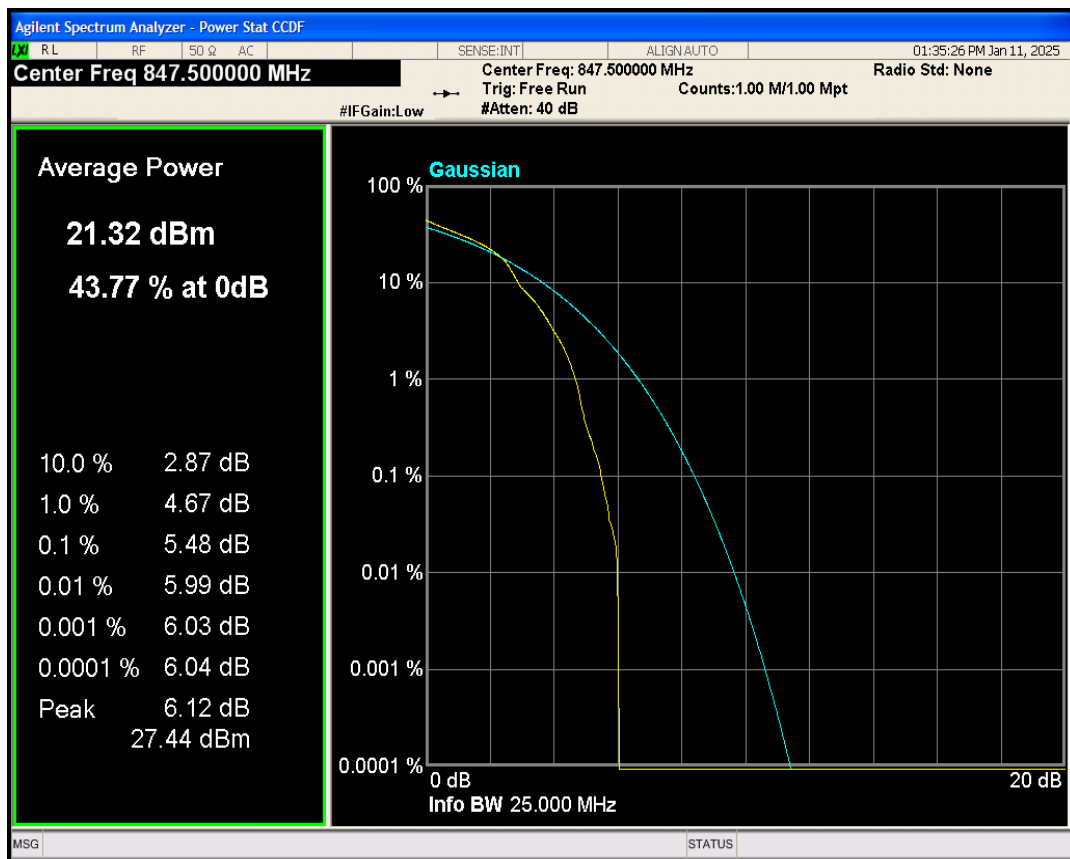




Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0

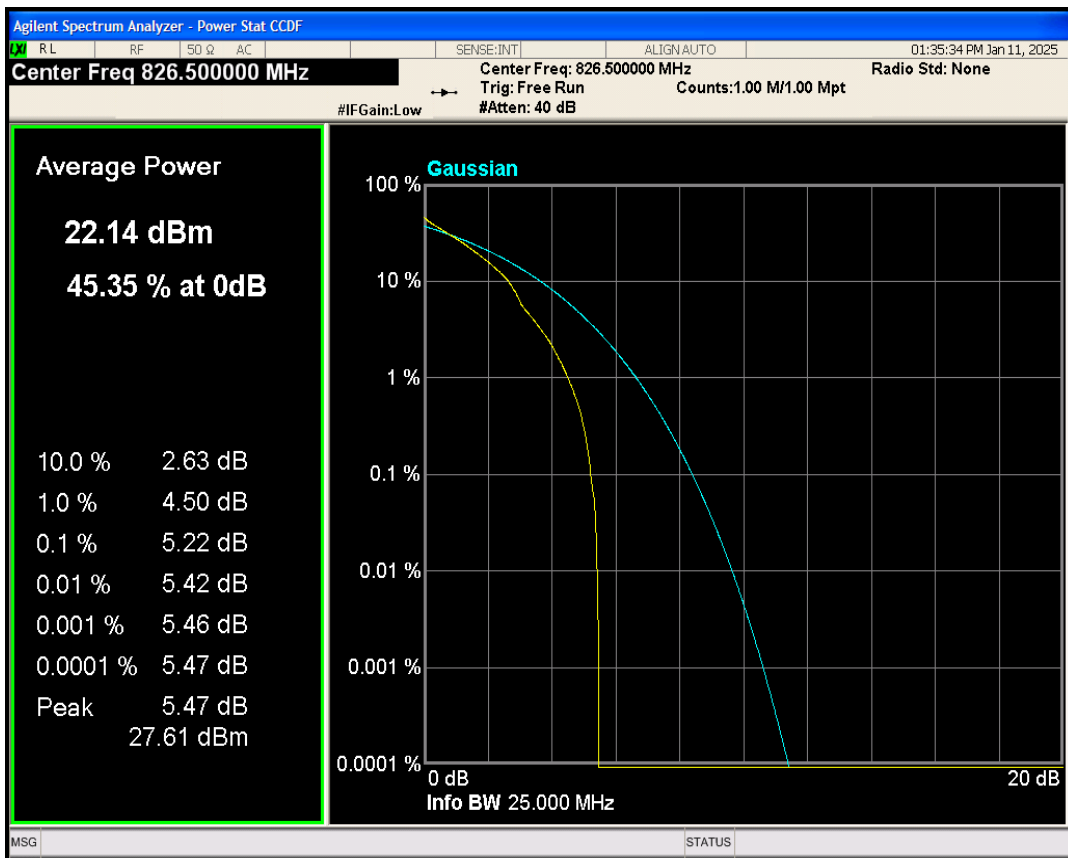


Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

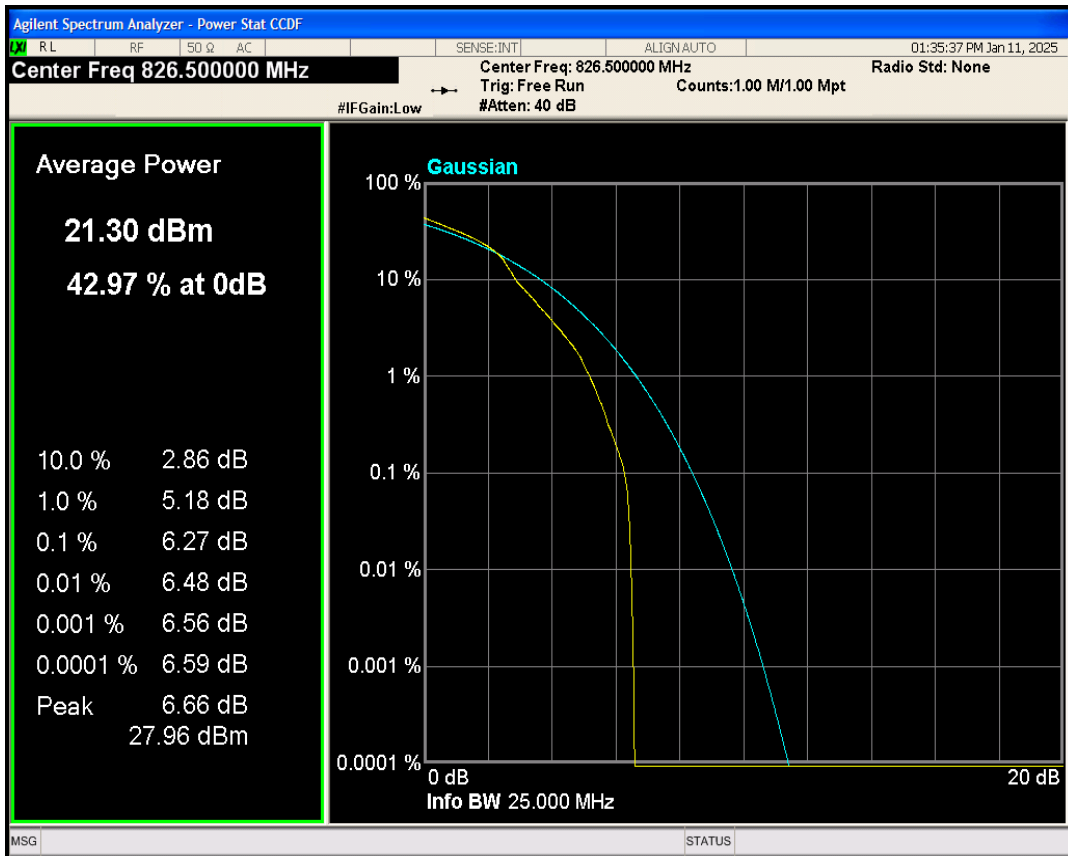




Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0

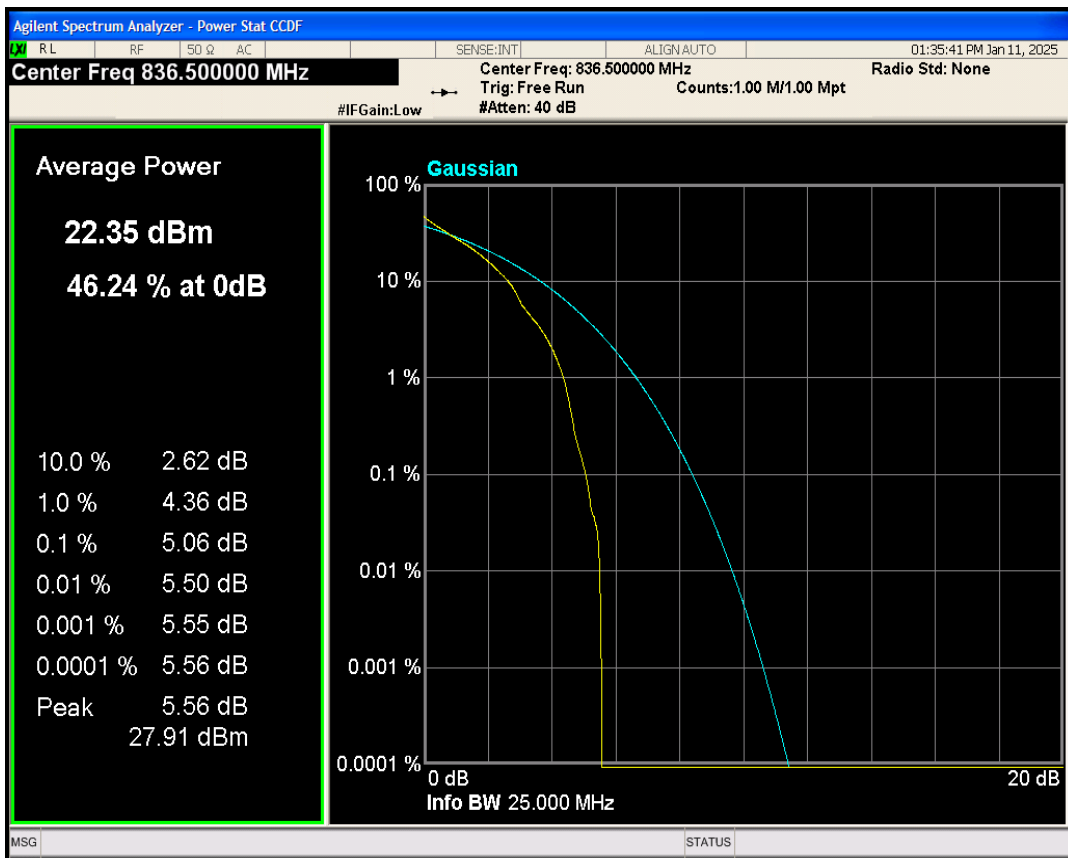


Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

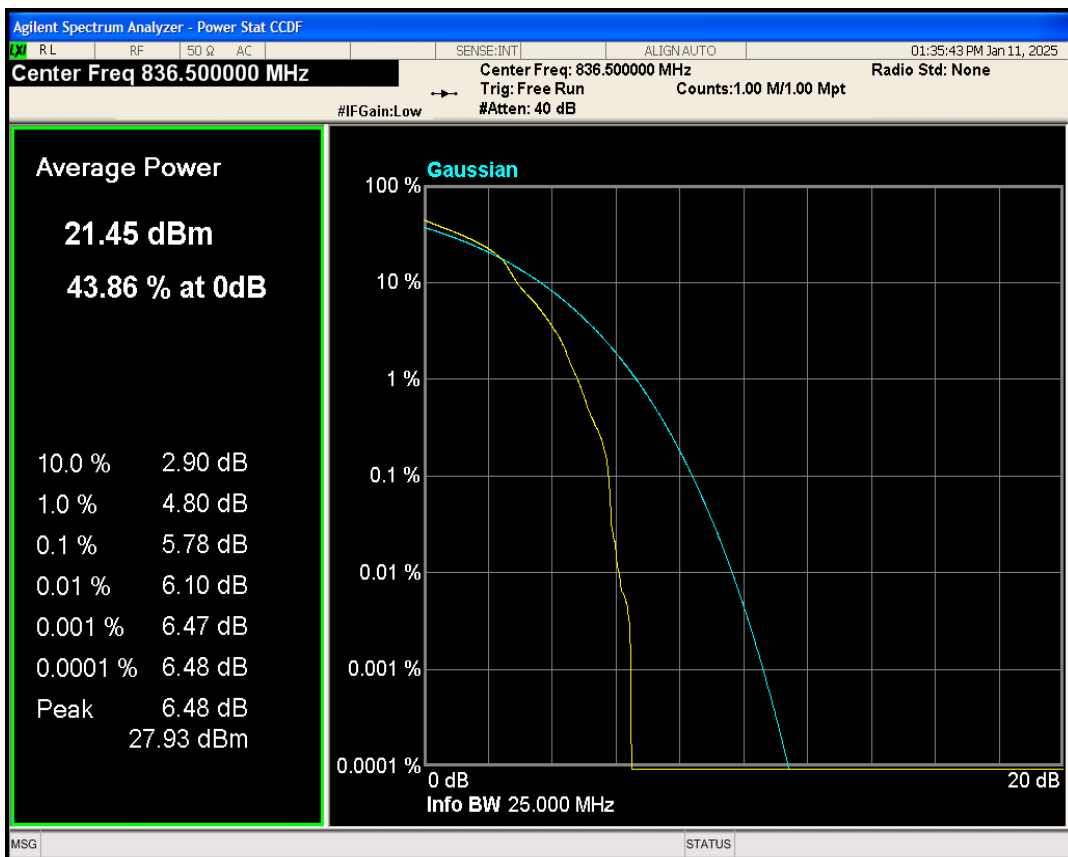




Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

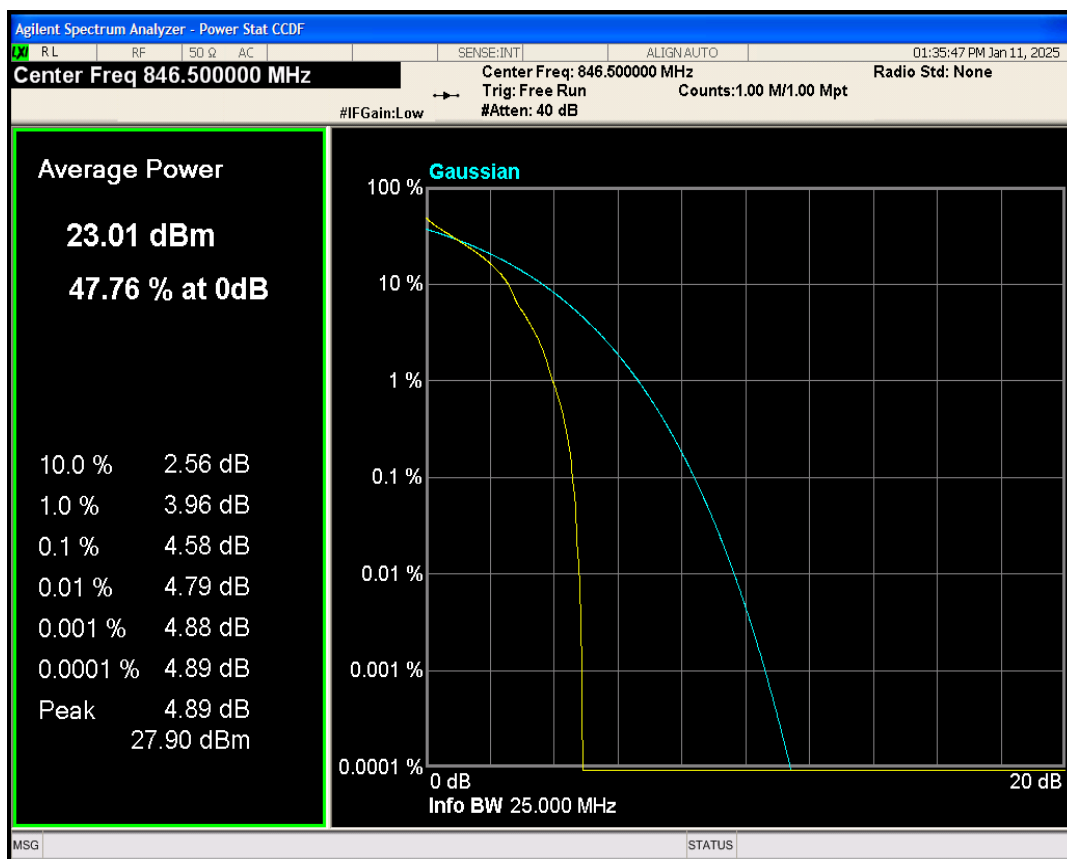


Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

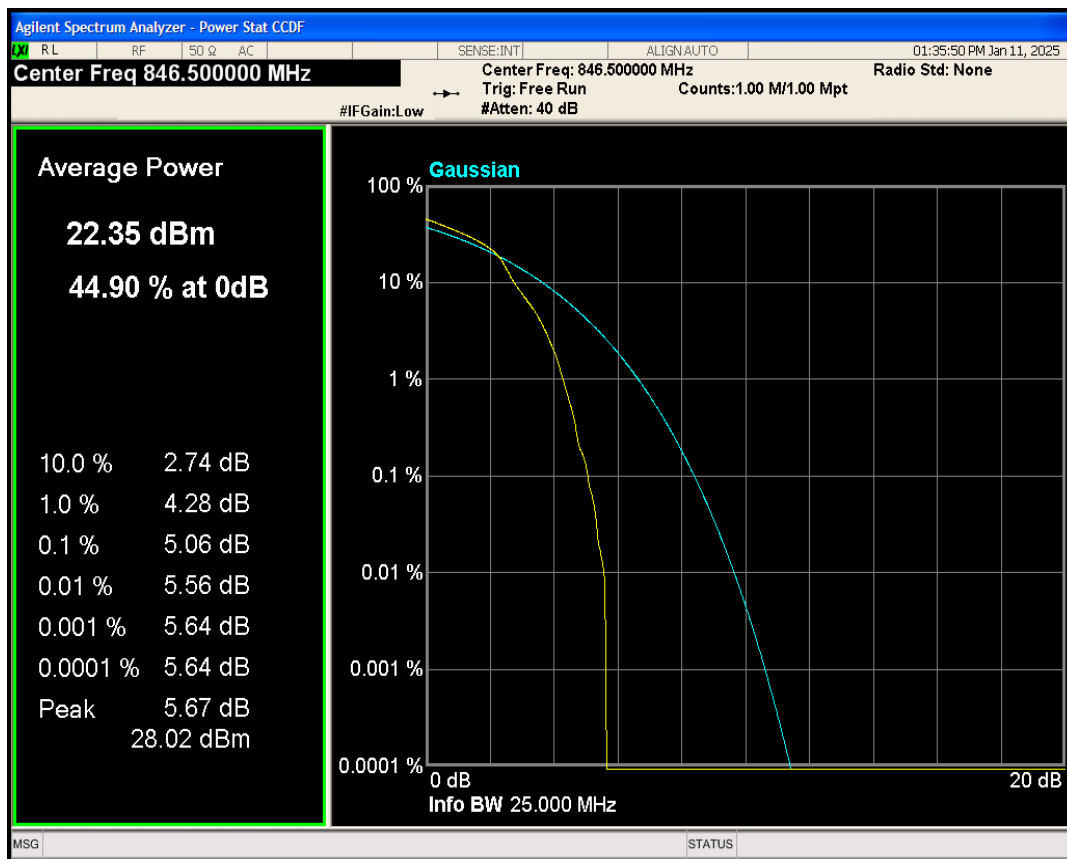




Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0

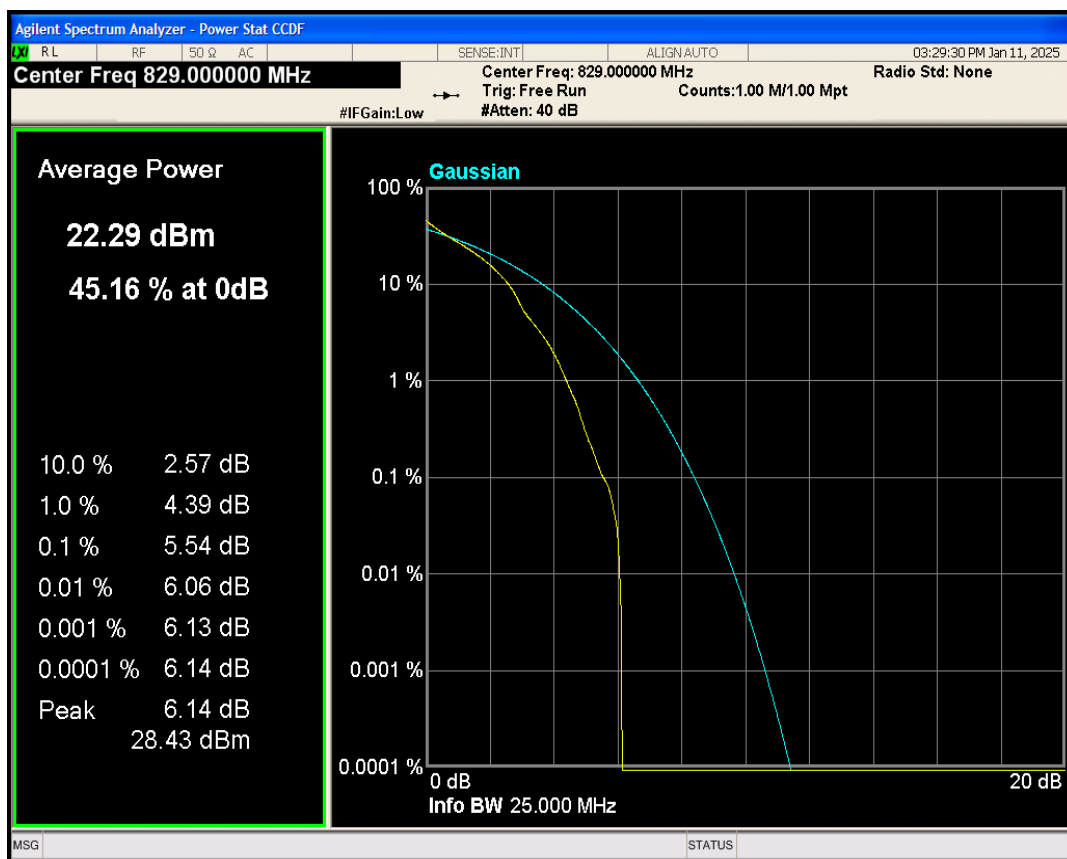


Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0

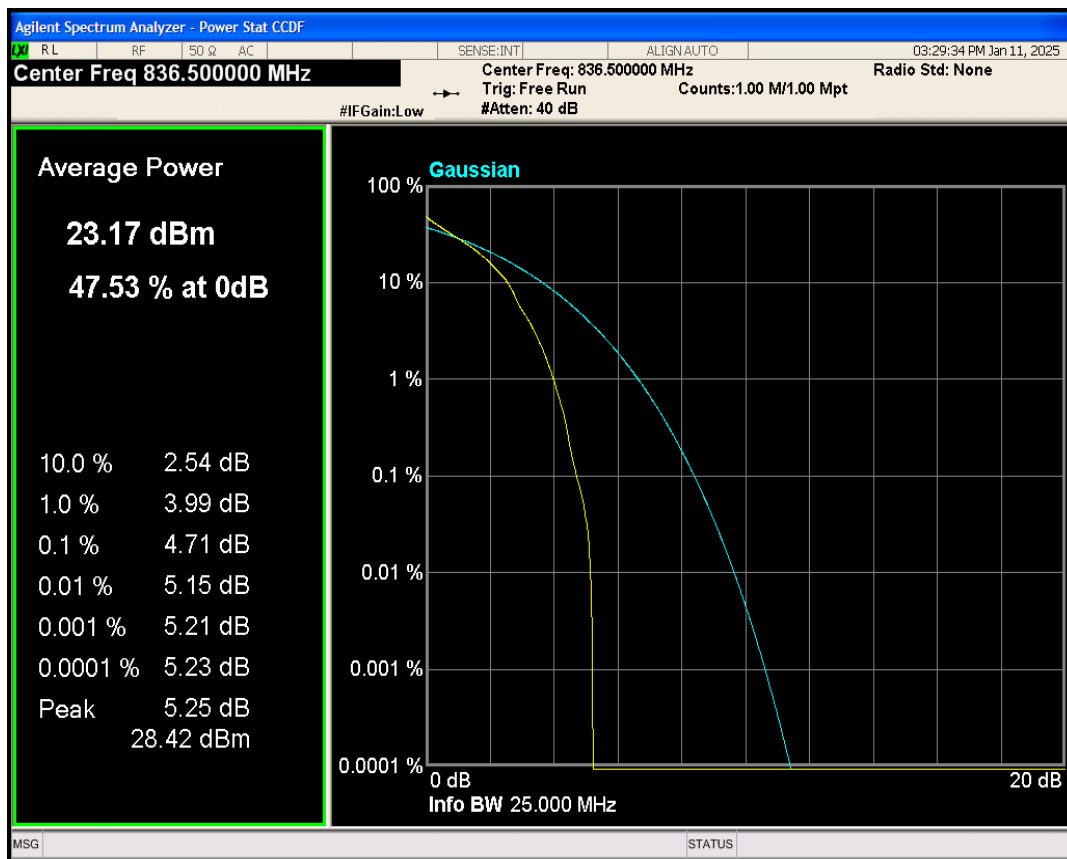




Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0

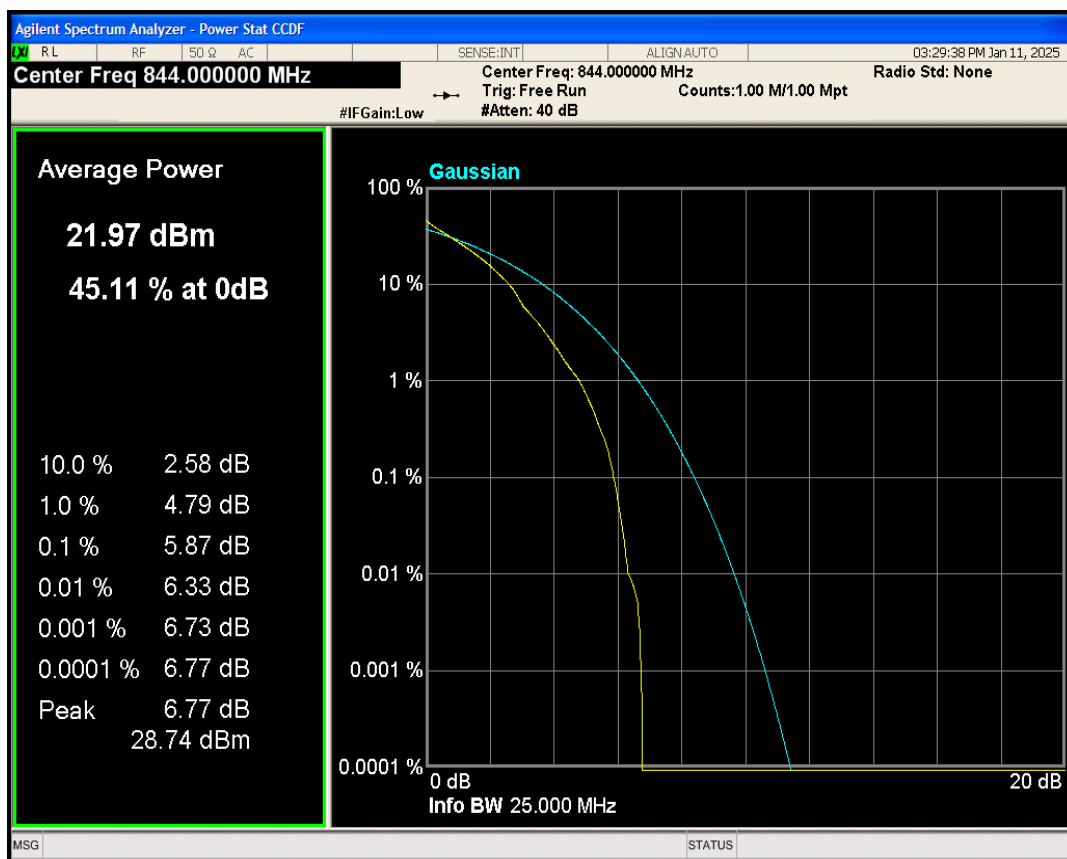


Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

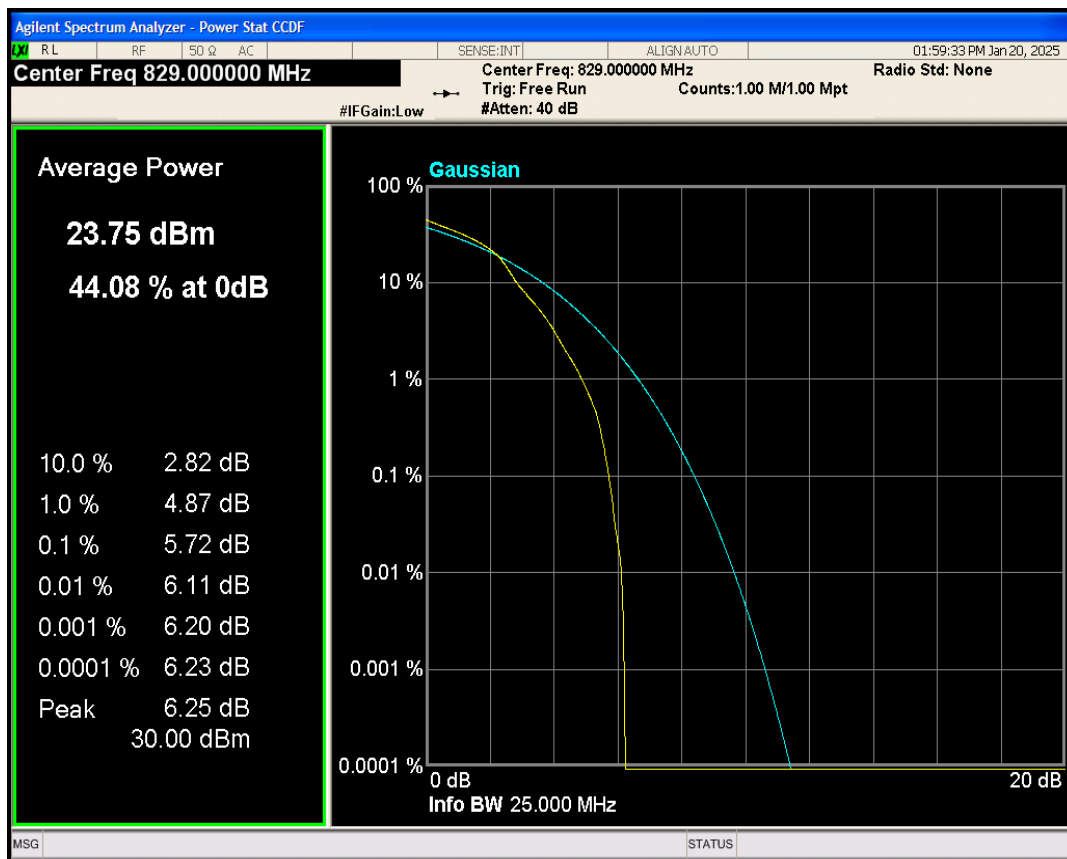




Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0

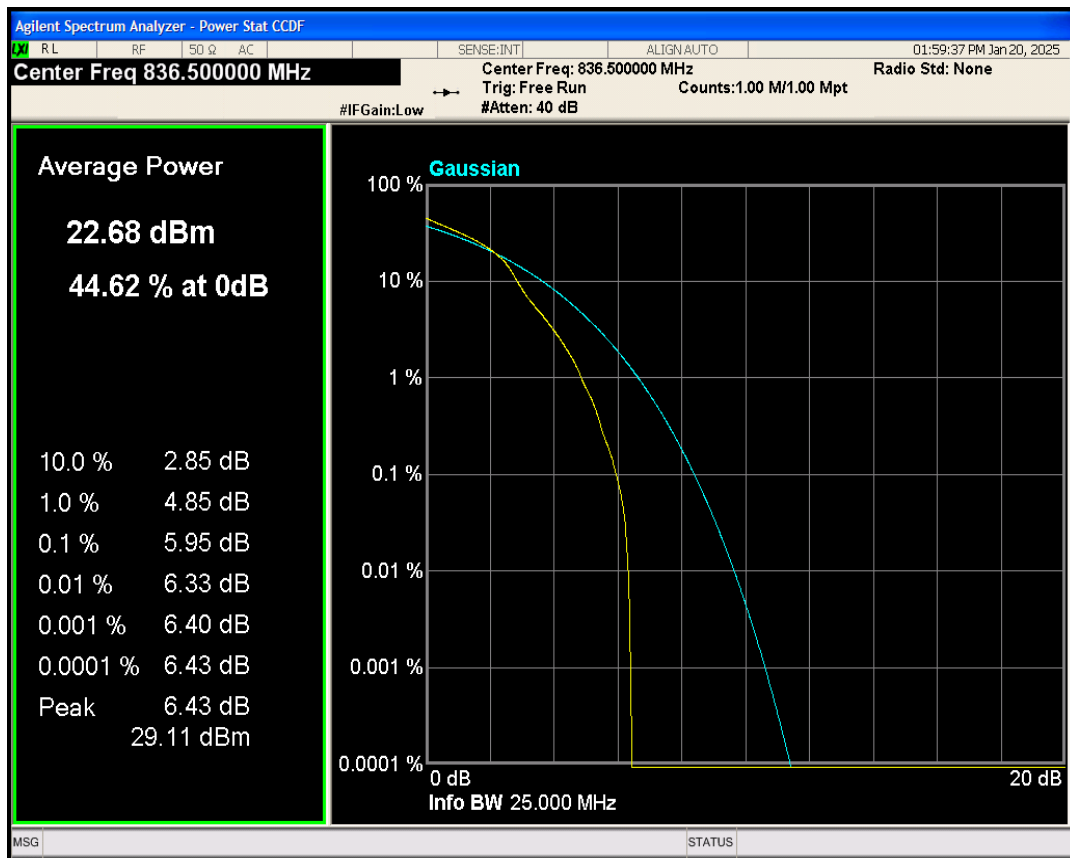


Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

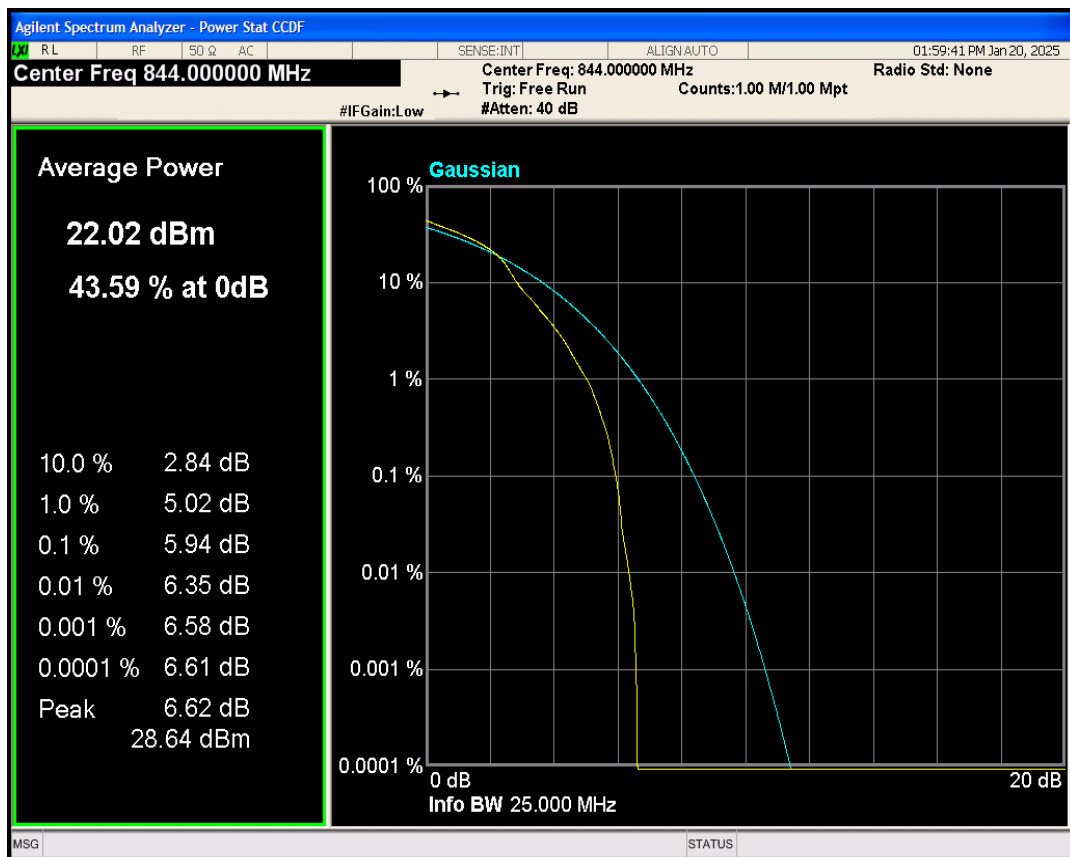




Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0



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

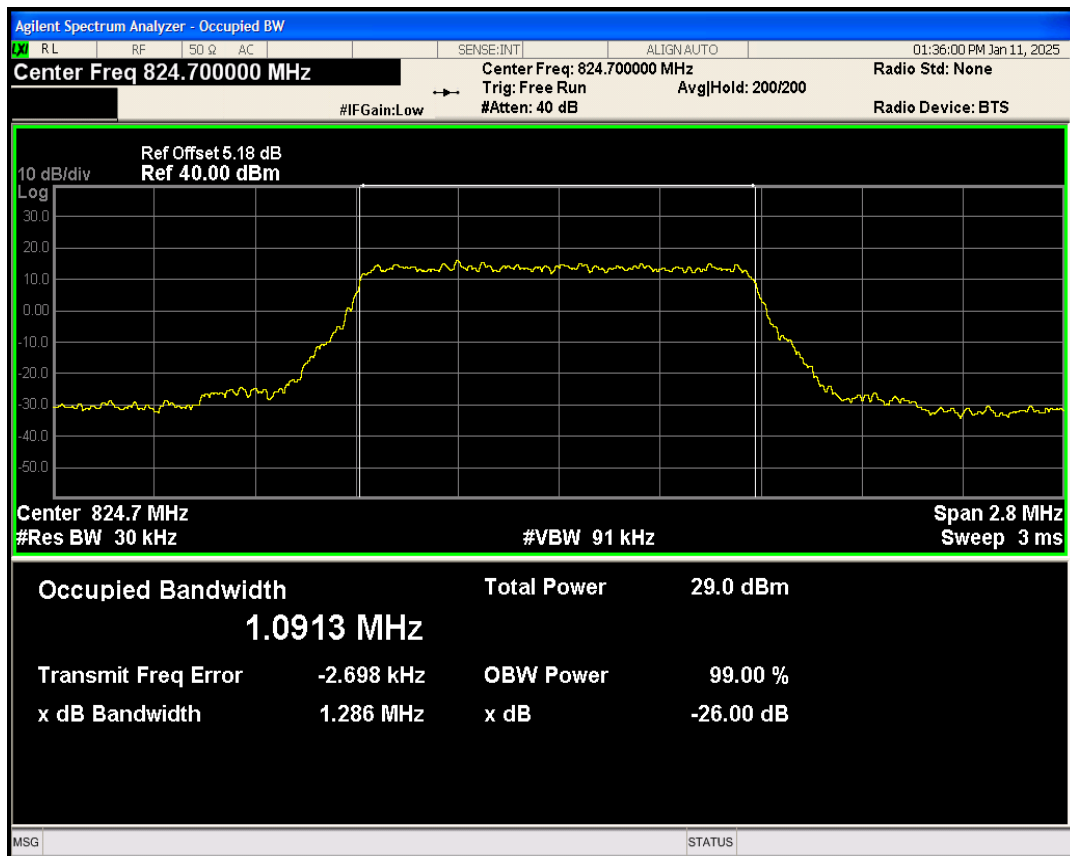


Appendix 4. Occupied bandwidth

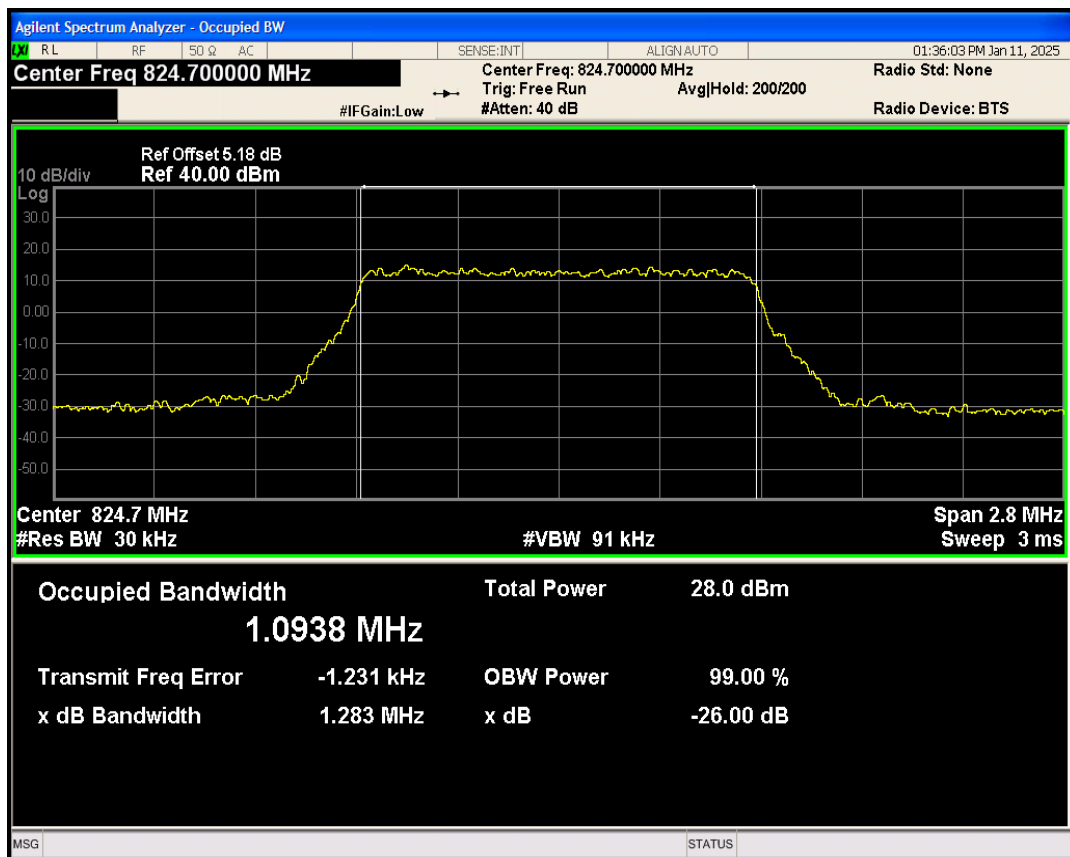
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band5	1.4	20407	6	#0	QPSK	1.091	1.286	PASS
Band5	1.4	20407	6	#0	16QAM	1.094	1.283	PASS
Band5	1.4	20525	6	#0	QPSK	1.099	1.299	PASS
Band5	1.4	20525	6	#0	16QAM	1.091	1.304	PASS
Band5	1.4	20643	6	#0	QPSK	1.093	1.284	PASS
Band5	1.4	20643	6	#0	16QAM	1.094	1.302	PASS
Band5	3	20415	15	#0	QPSK	2.709	2.968	PASS
Band5	3	20415	15	#0	16QAM	2.723	2.957	PASS
Band5	3	20525	15	#0	QPSK	2.698	2.978	PASS
Band5	3	20525	15	#0	16QAM	2.694	2.966	PASS
Band5	3	20635	15	#0	QPSK	2.701	2.999	PASS
Band5	3	20635	15	#0	16QAM	2.698	2.943	PASS
Band5	5	20425	25	#0	QPSK	4.544	5.375	PASS
Band5	5	20425	25	#0	16QAM	4.517	5.386	PASS
Band5	5	20525	25	#0	QPSK	4.521	5.138	PASS
Band5	5	20525	25	#0	16QAM	4.531	5.077	PASS
Band5	5	20625	25	#0	QPSK	4.523	5.226	PASS
Band5	5	20625	25	#0	16QAM	4.498	5.085	PASS
Band5	10	20450	50	#0	QPSK	9.009	10.016	PASS
Band5	10	20525	50	#0	QPSK	9.016	10.090	PASS
Band5	10	20600	50	#0	QPSK	8.944	10.091	PASS
Band5	10	20450	50	#0	16QAM	9.026	9.854	PASS
Band5	10	20525	50	#0	16QAM	8.923	9.883	PASS
Band5	10	20600	50	#0	16QAM	8.979	9.817	PASS



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

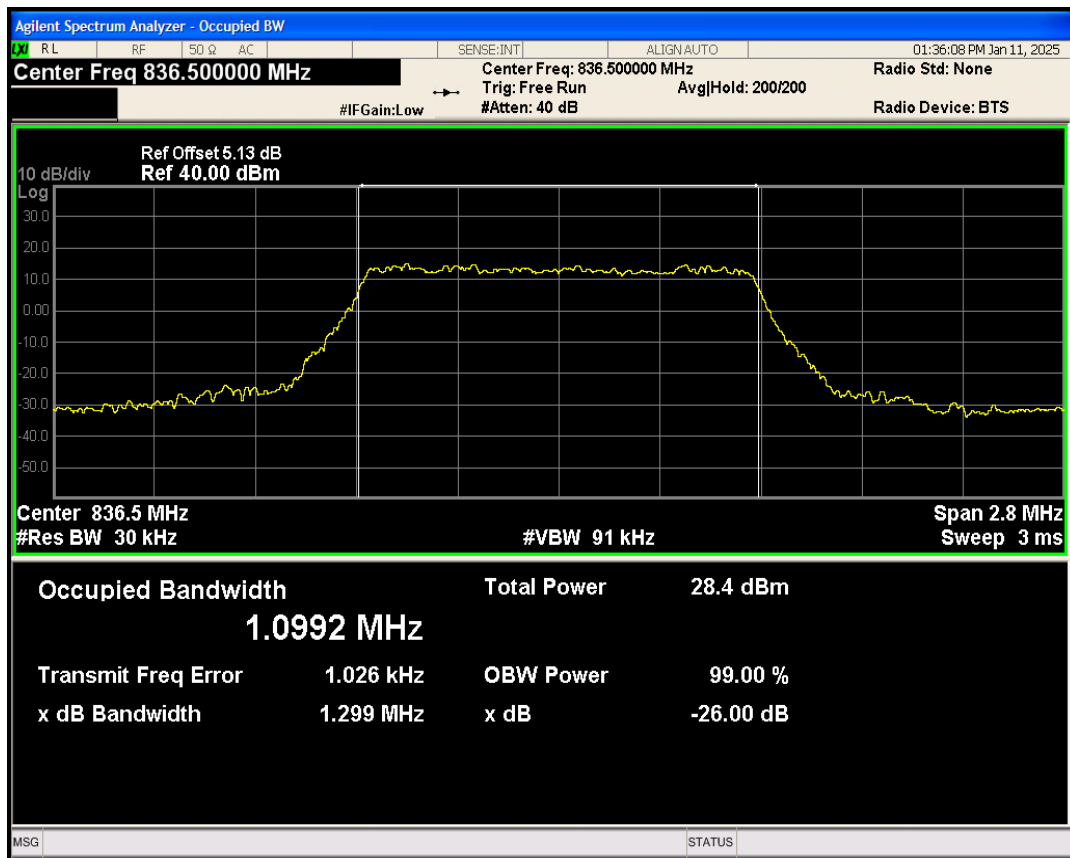


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

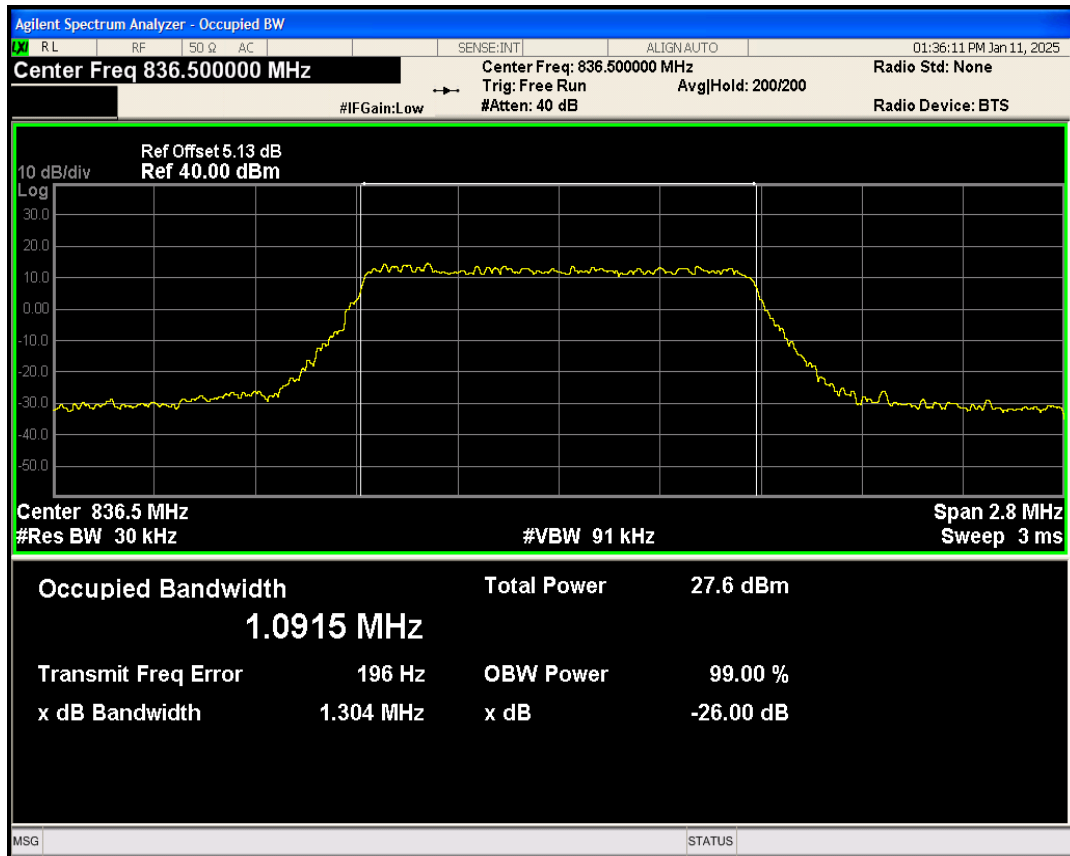




Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0

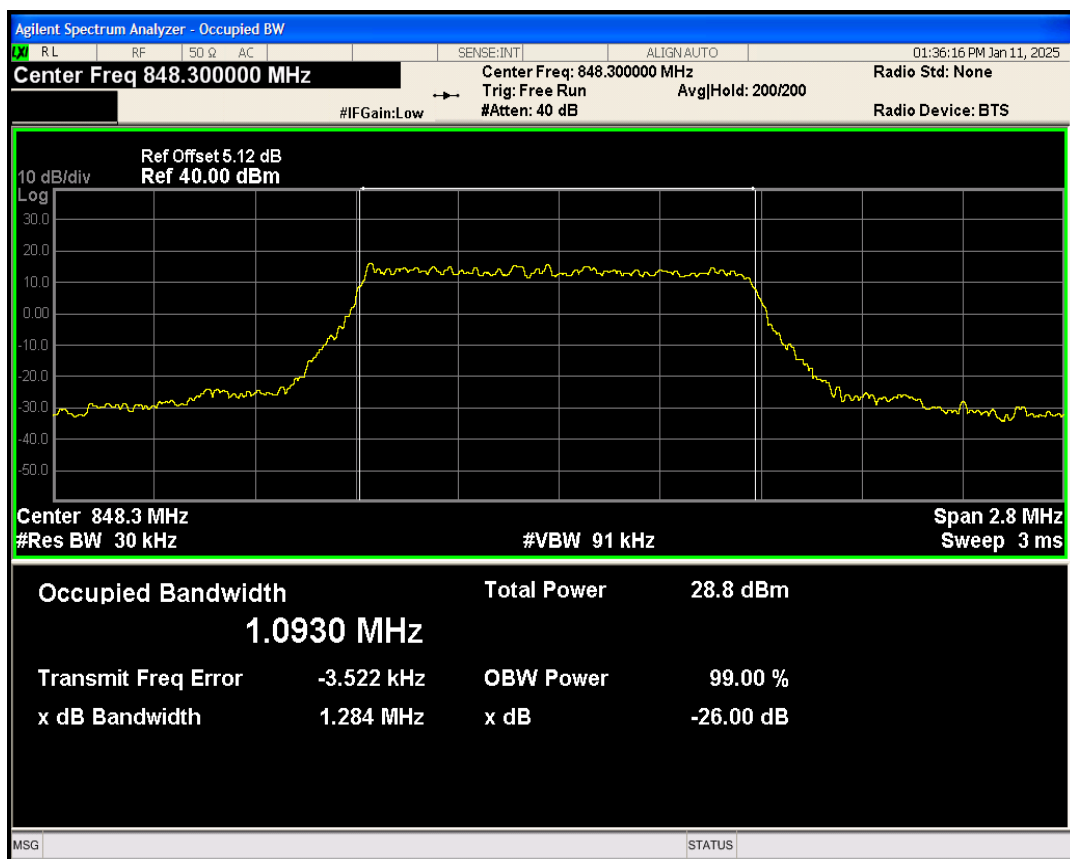


Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0

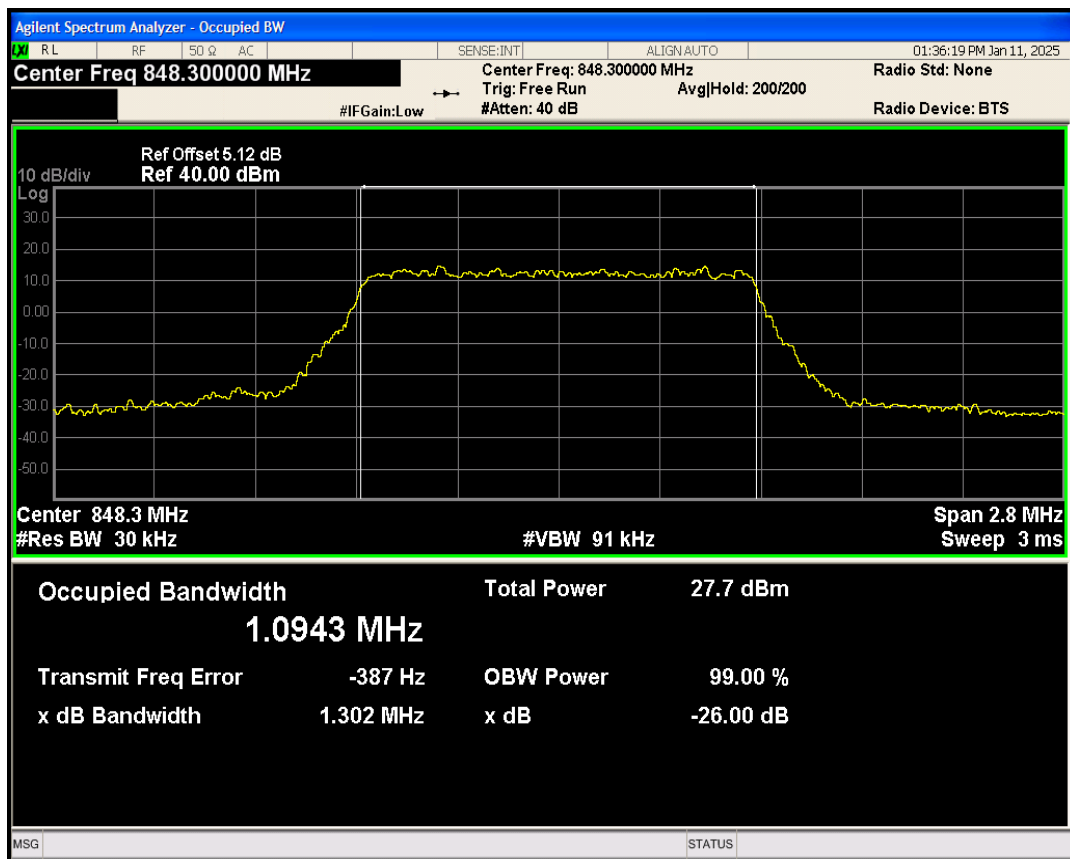




Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

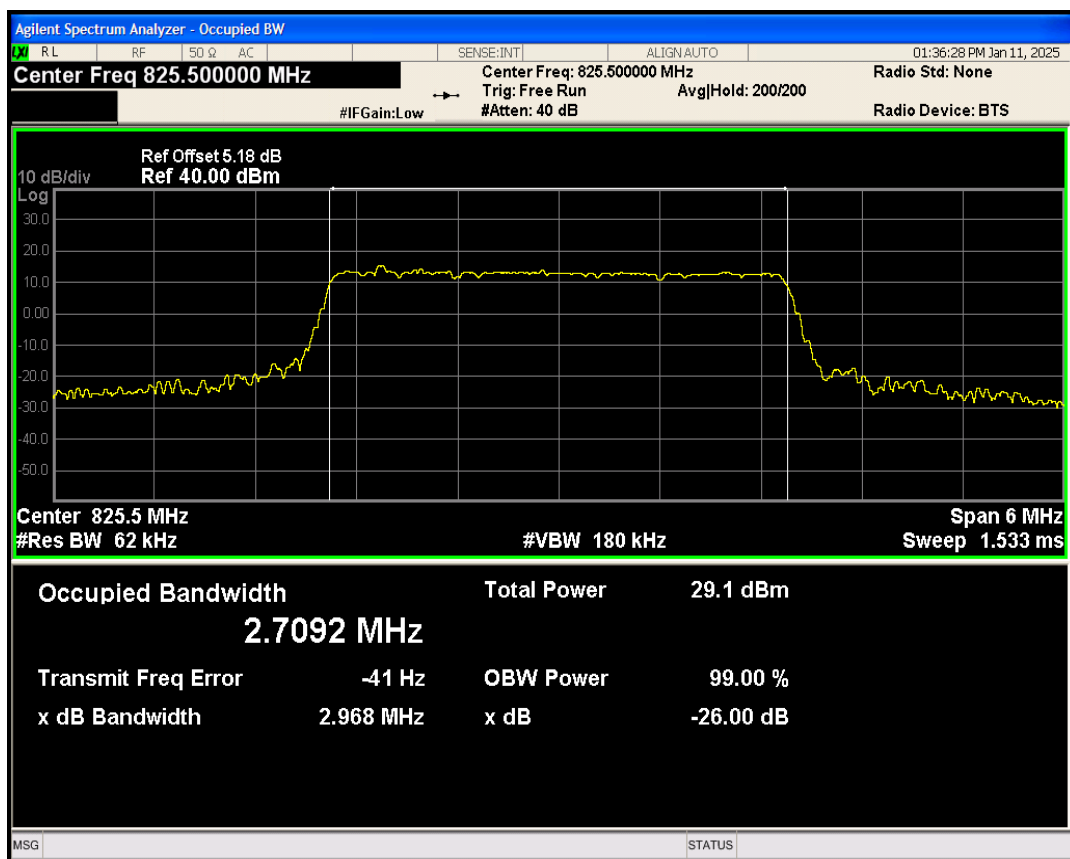


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

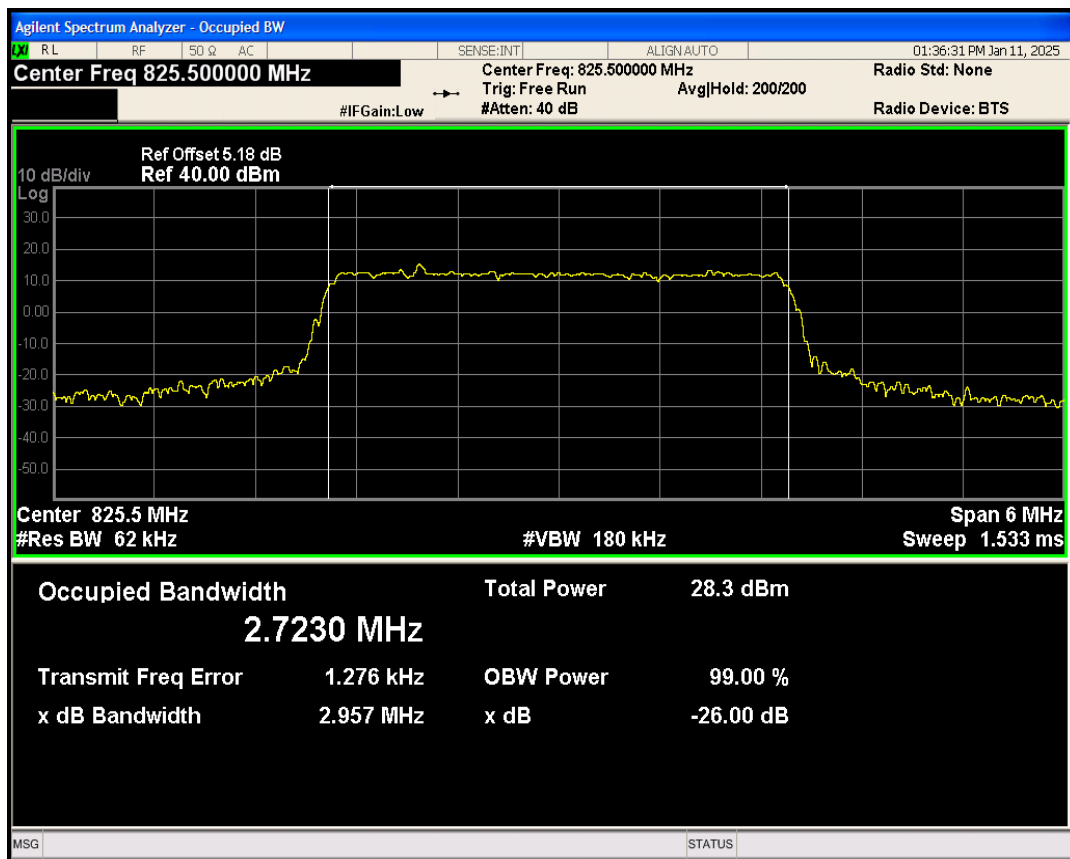




Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

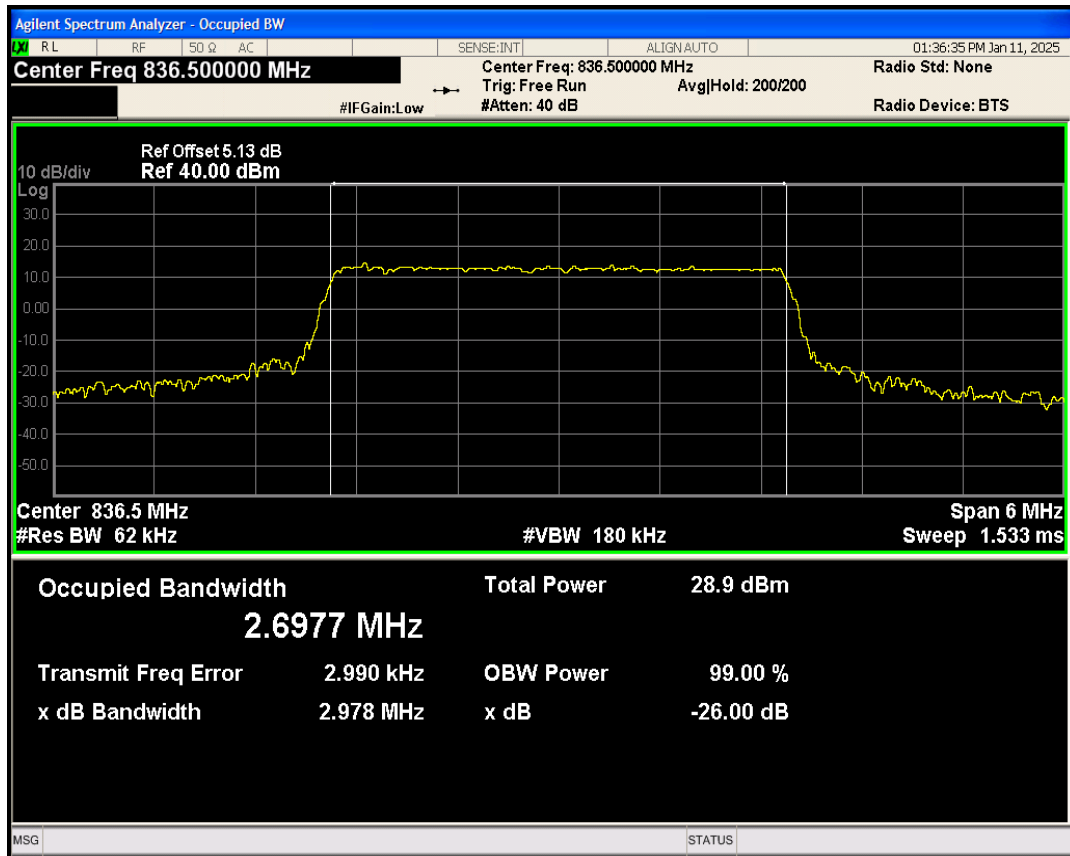


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

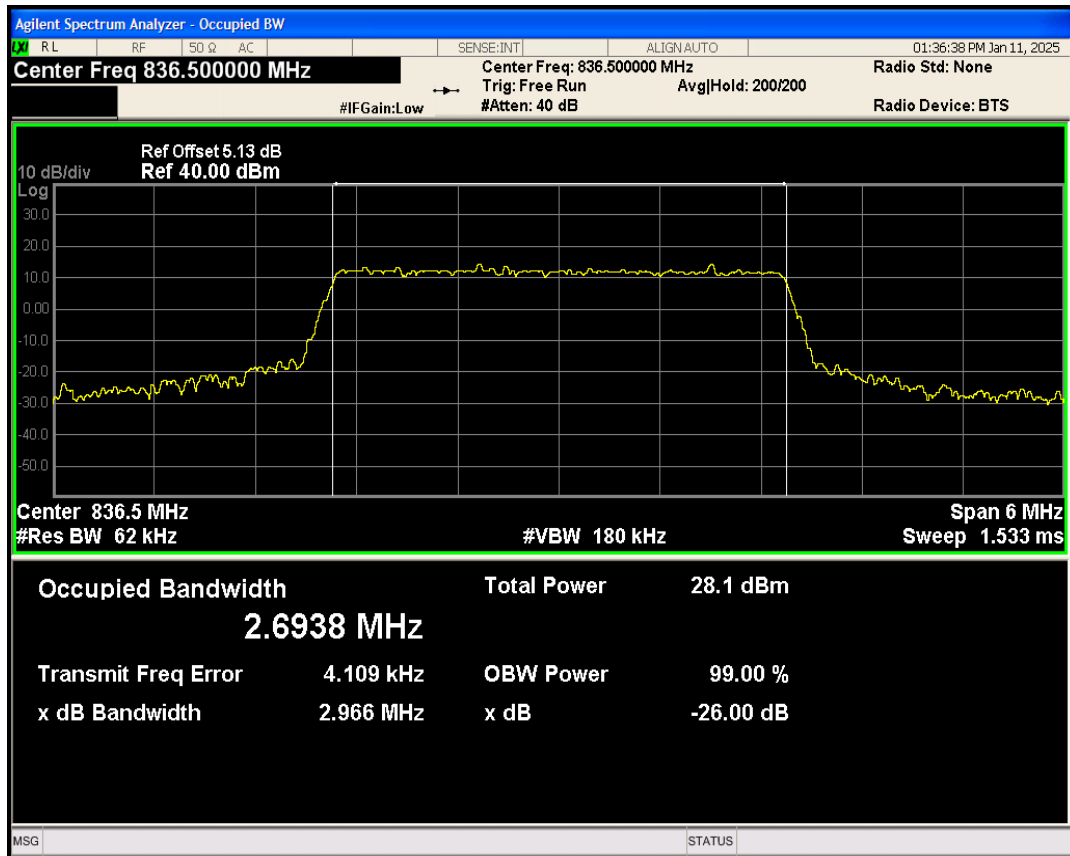




Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0

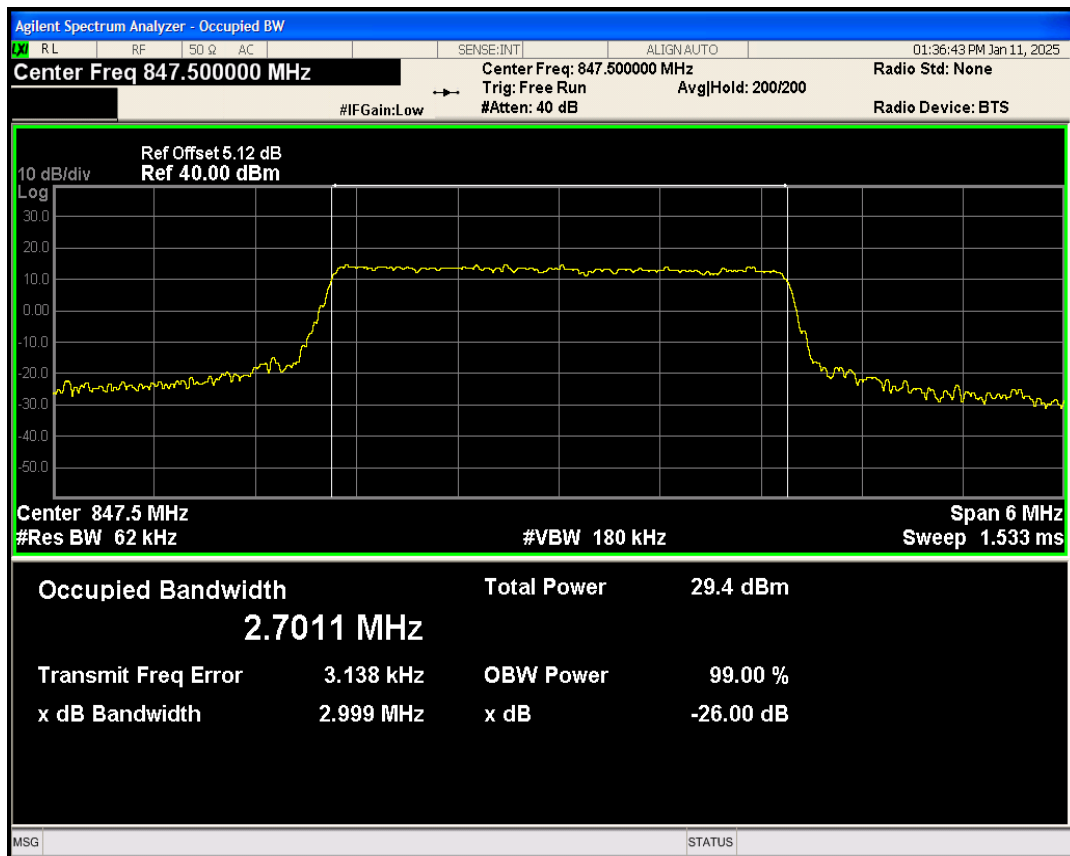


Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0

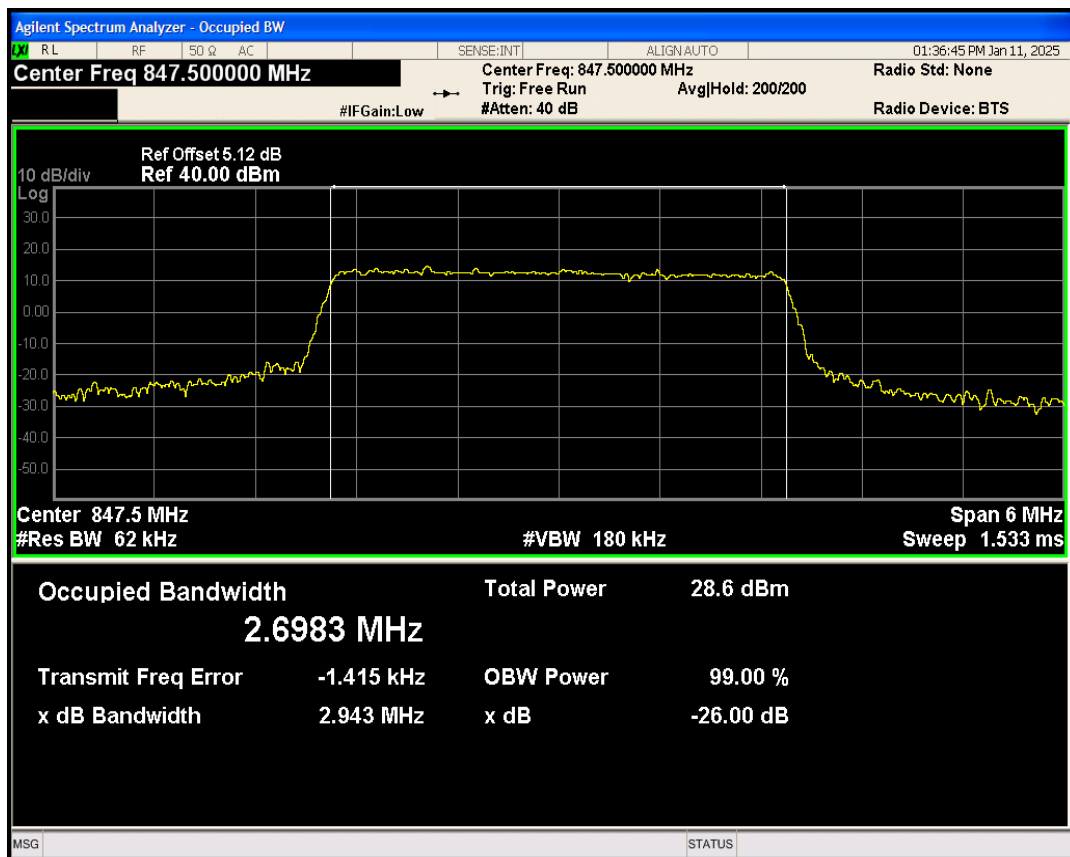




Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

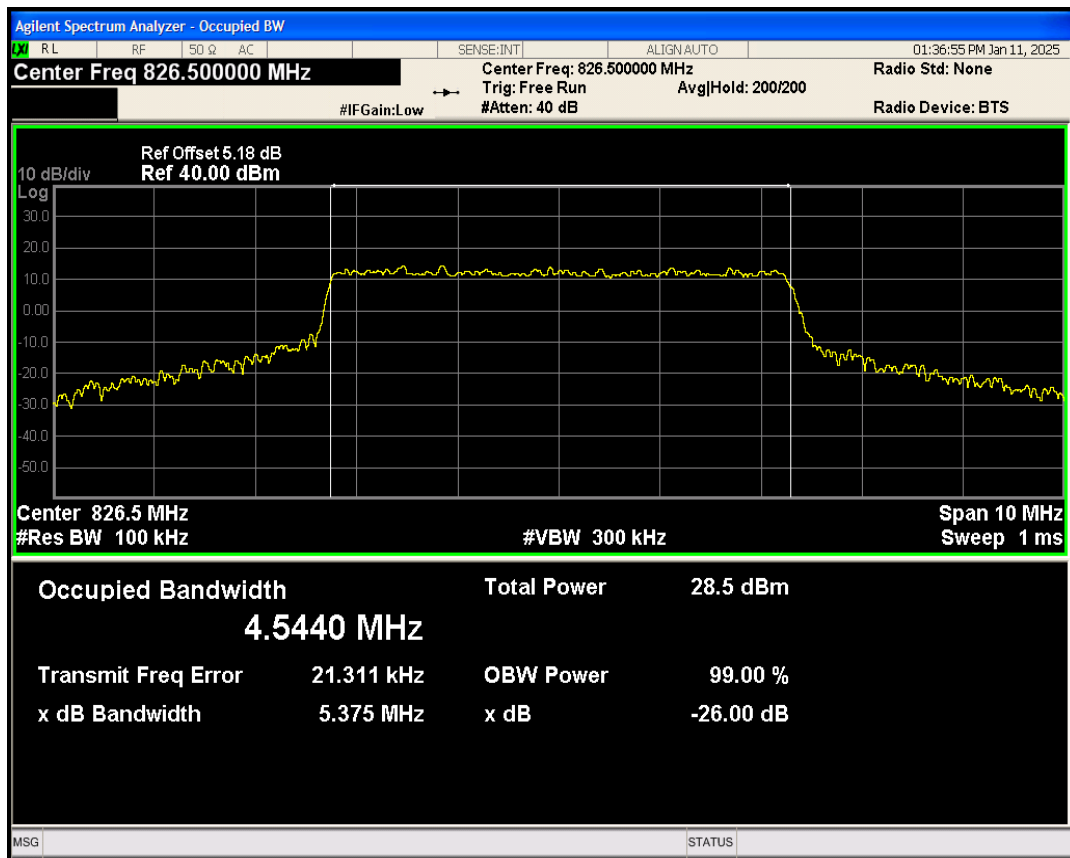


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

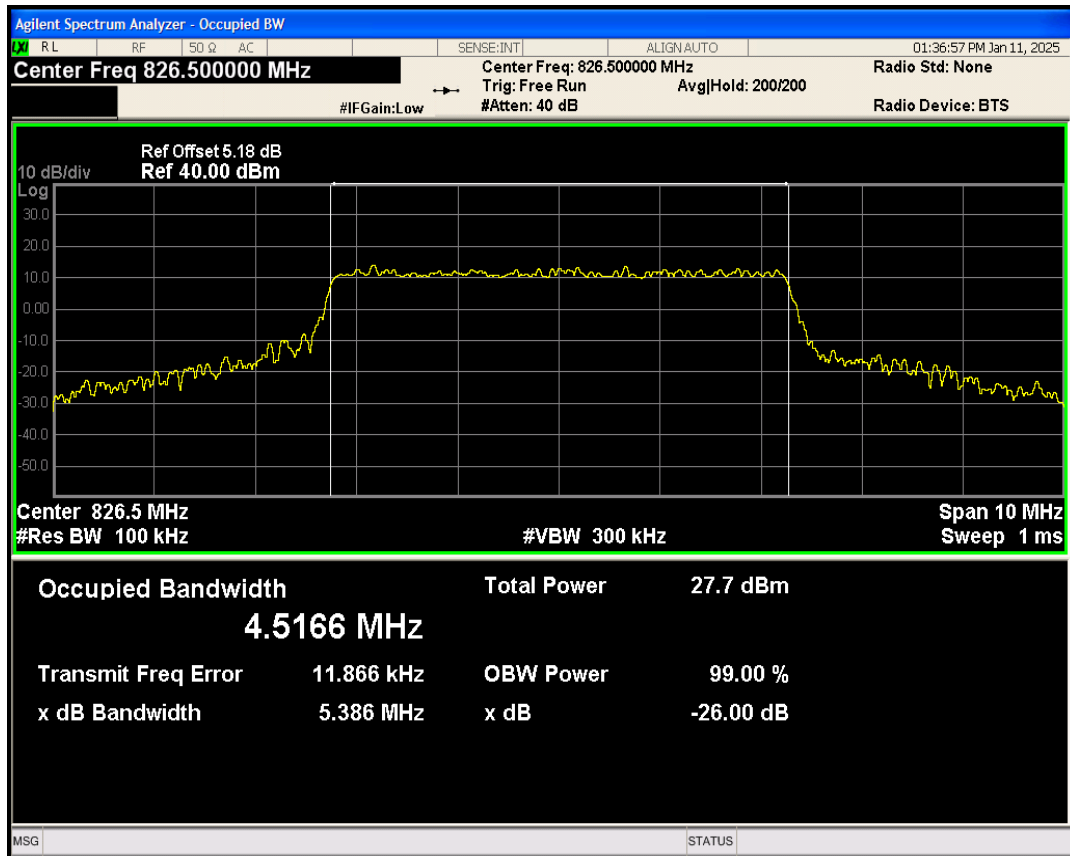




Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

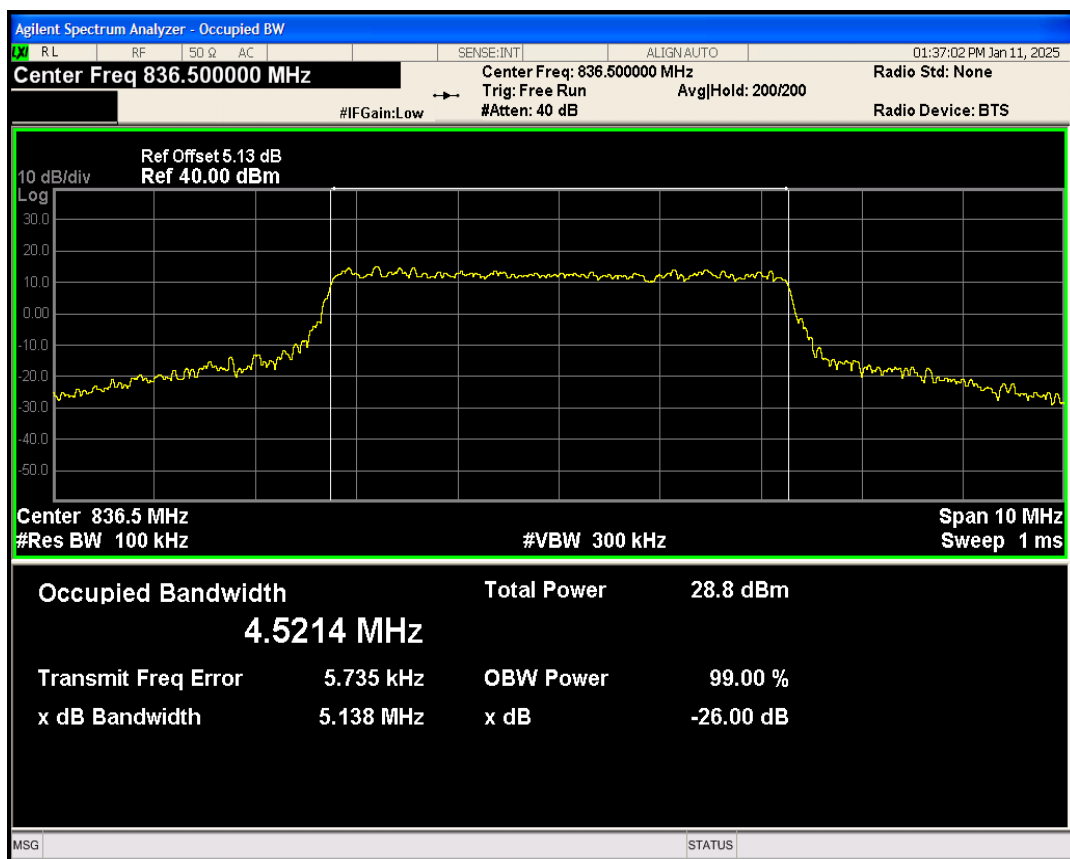


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

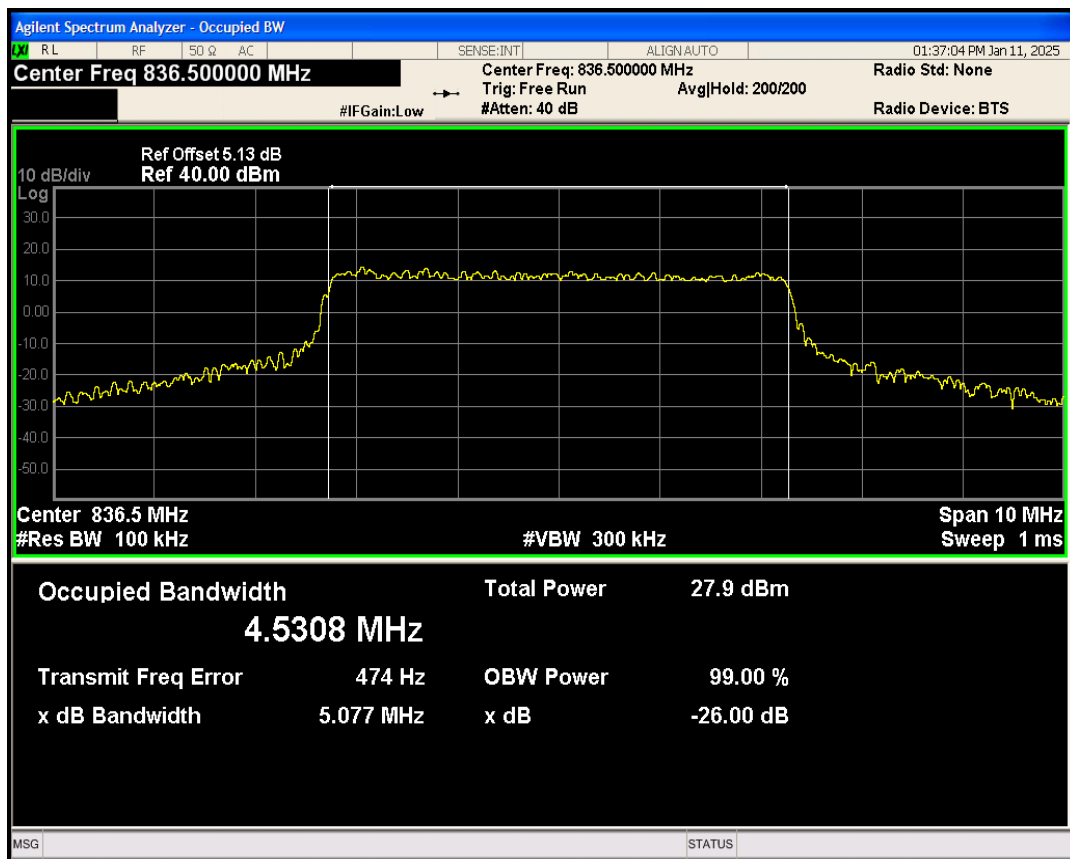




Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

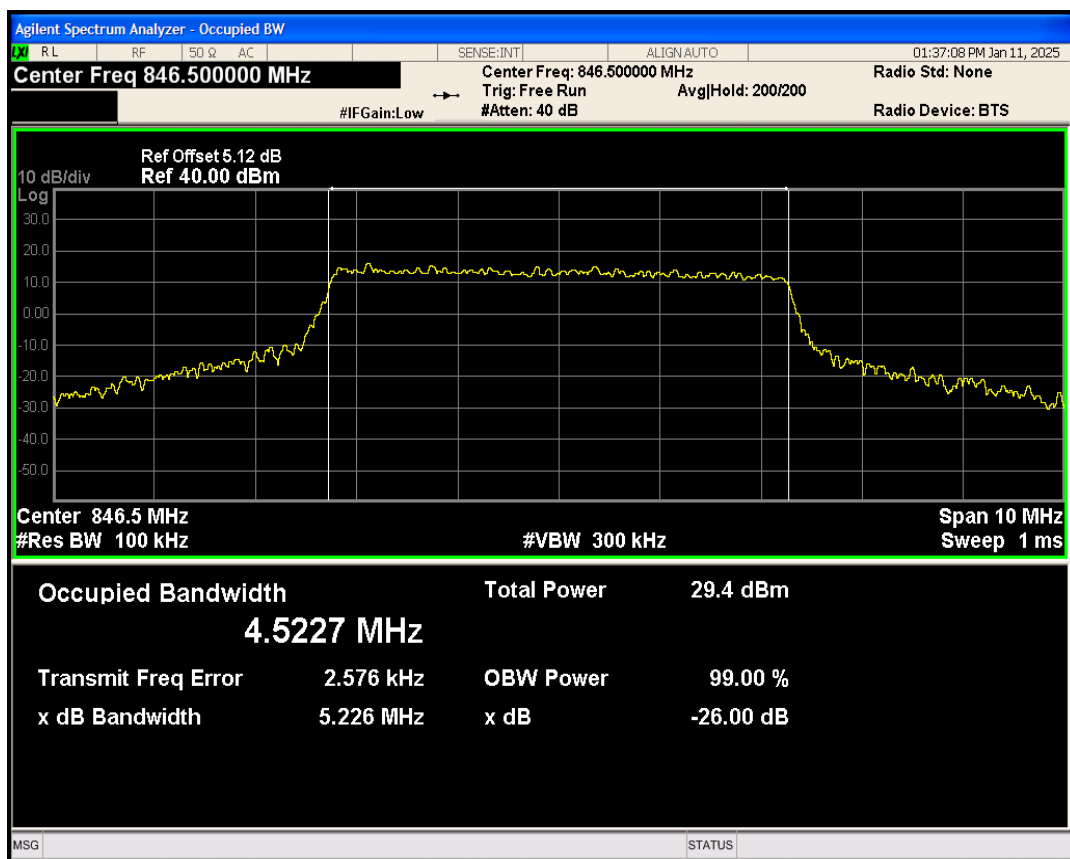


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

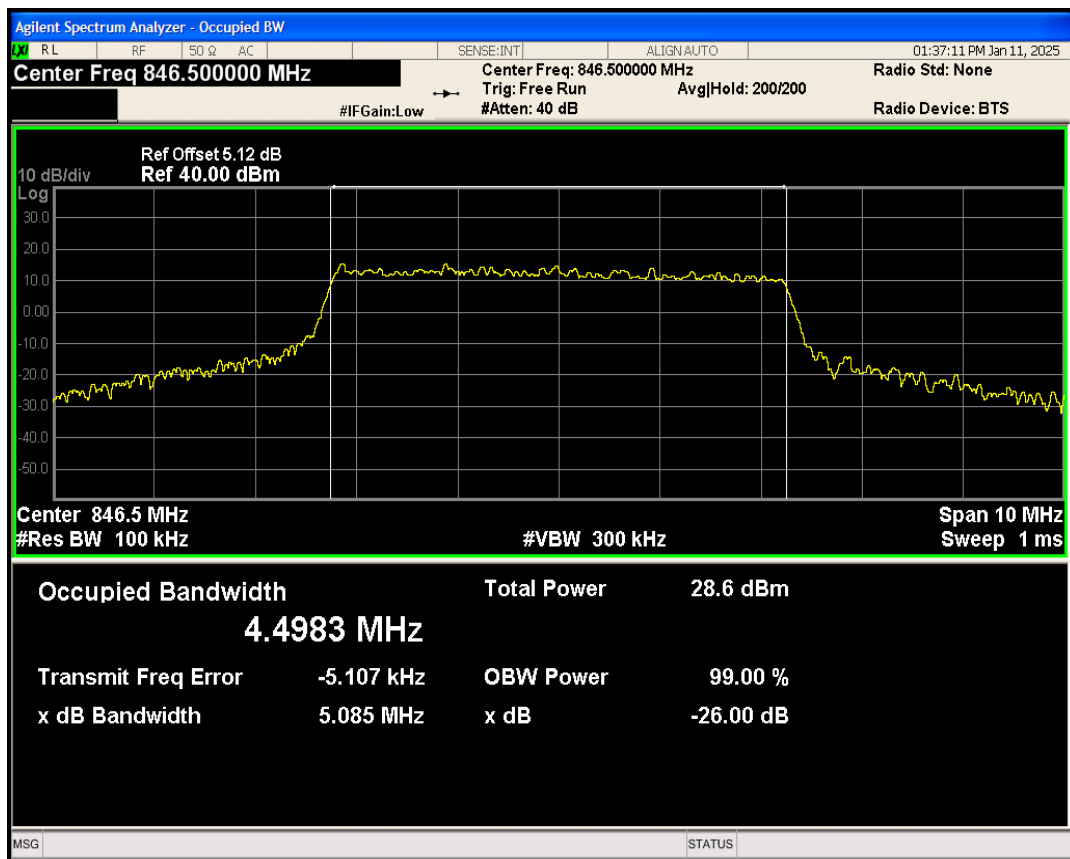




Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

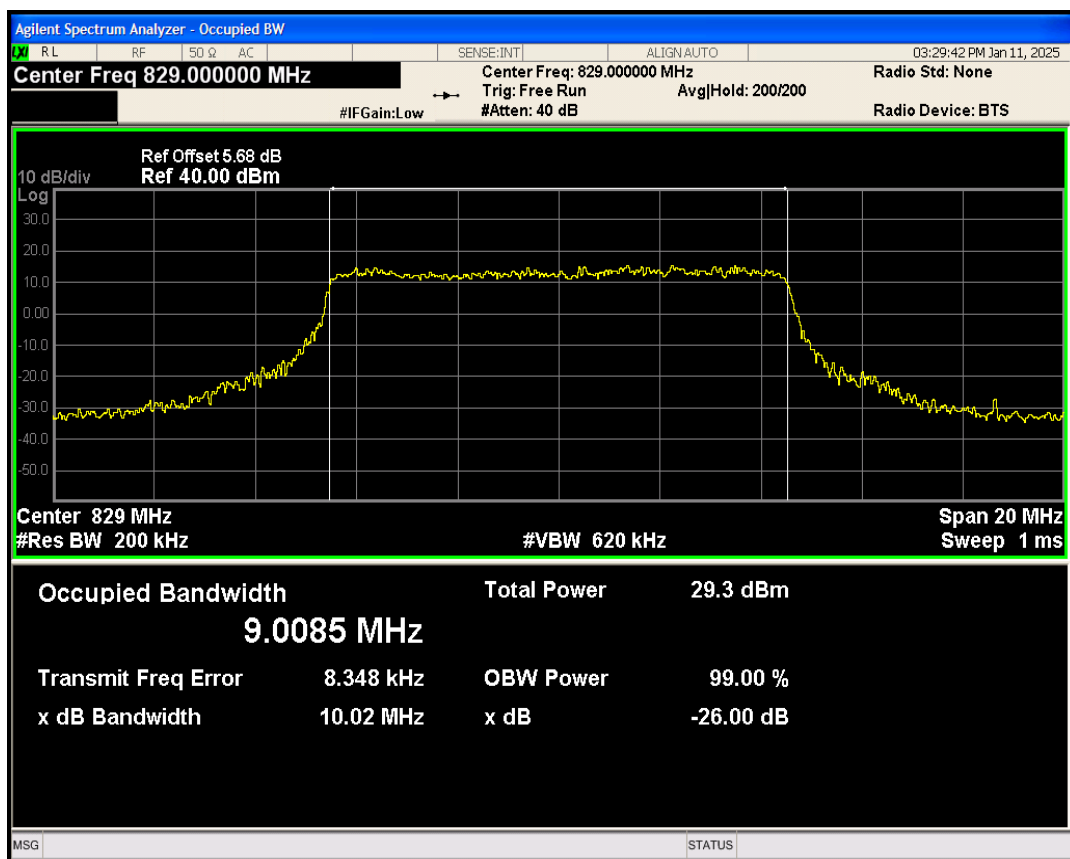


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

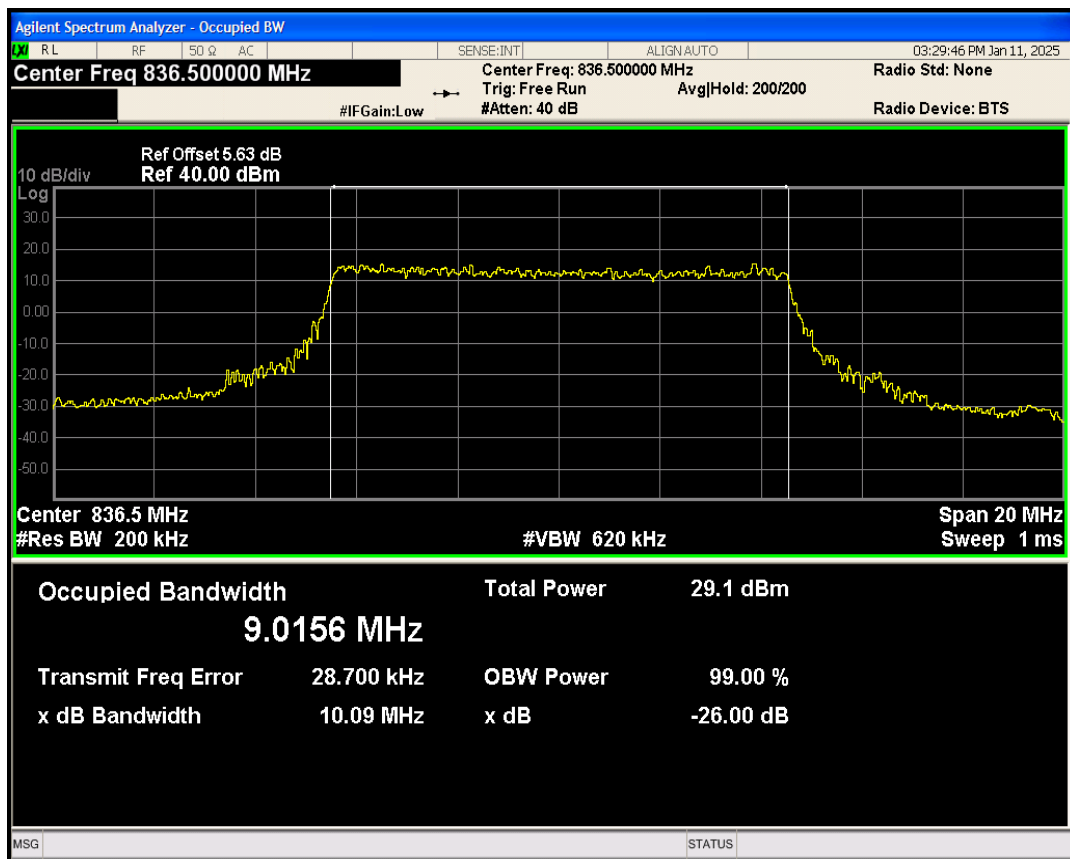




Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

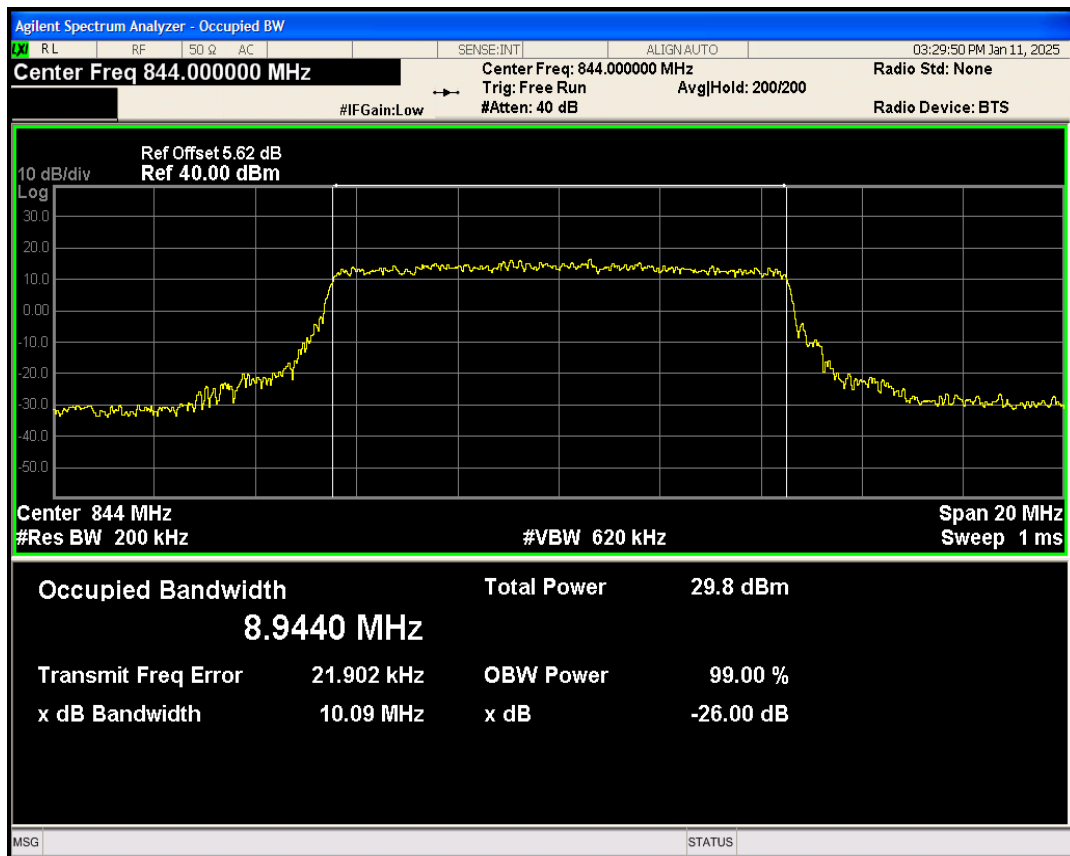


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

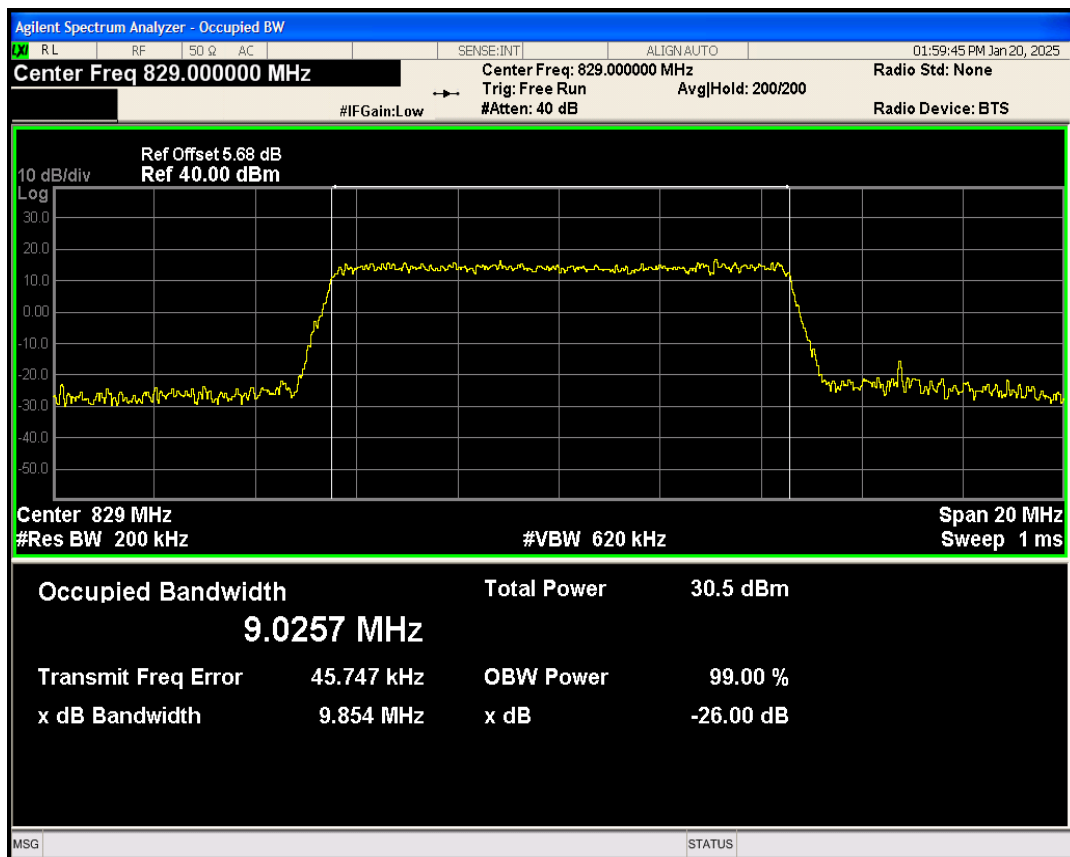




Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0

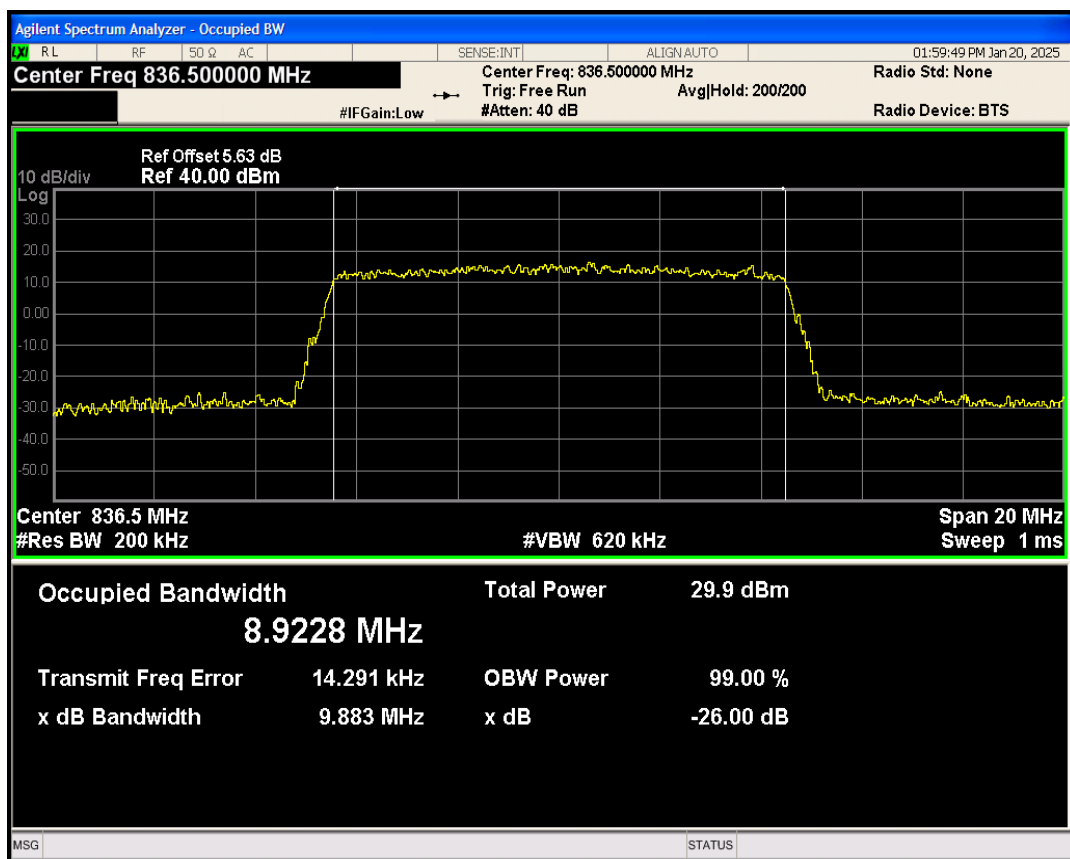


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0

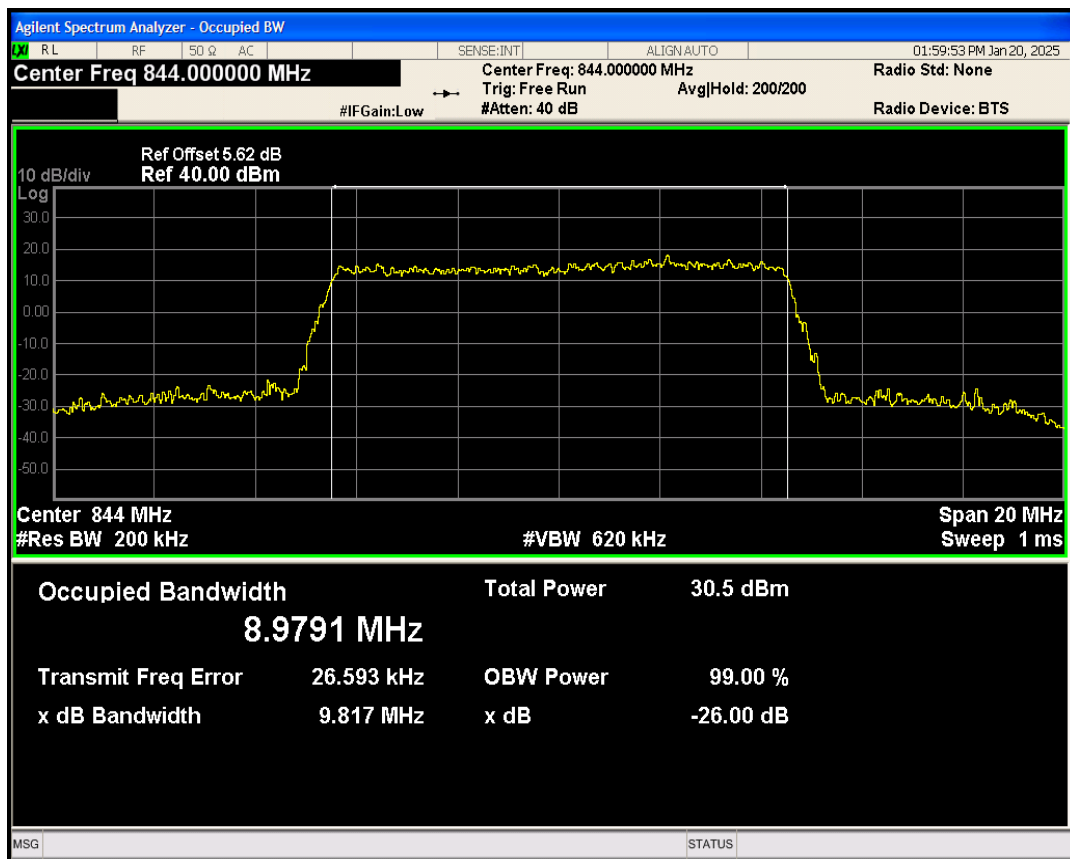




Band5 16QAM BW=10MHz Channel=20525 RB Size=50 Position=#0

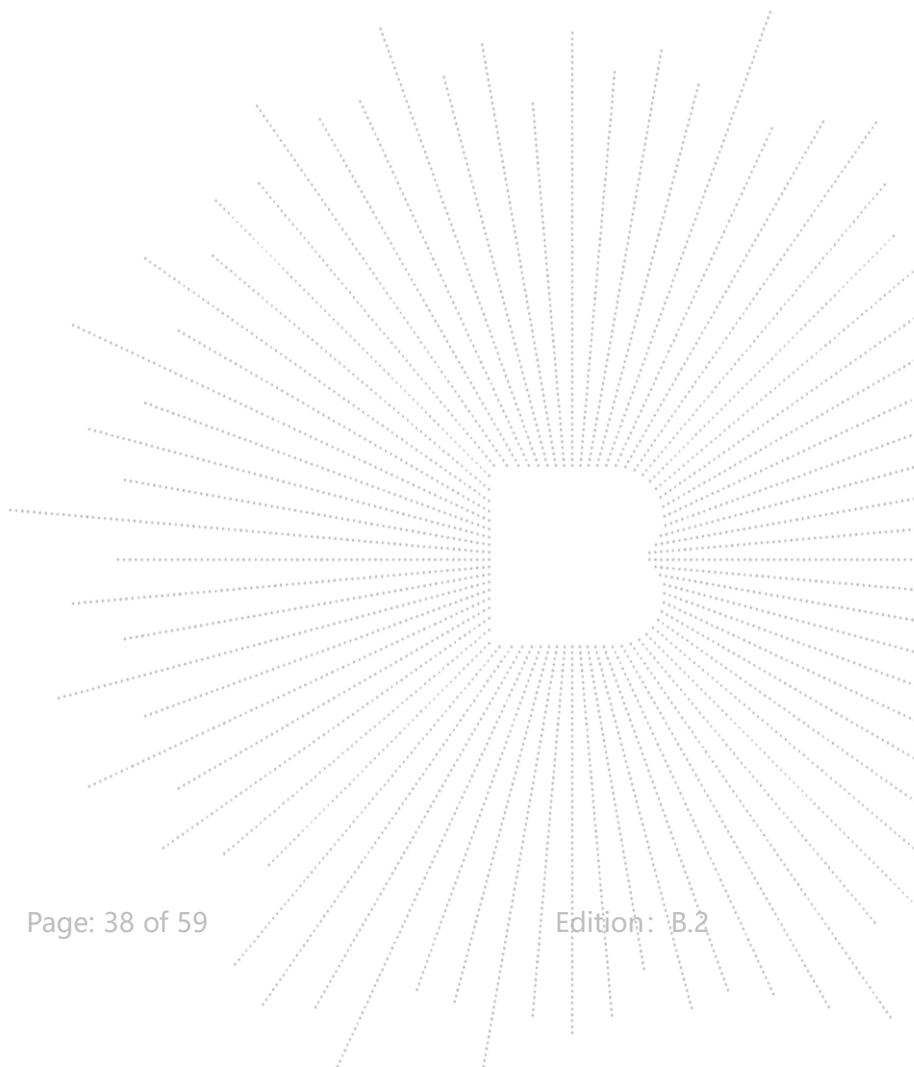


Band5 16QAM BW=10MHz Channel=20600 RB Size=50 Position=#0



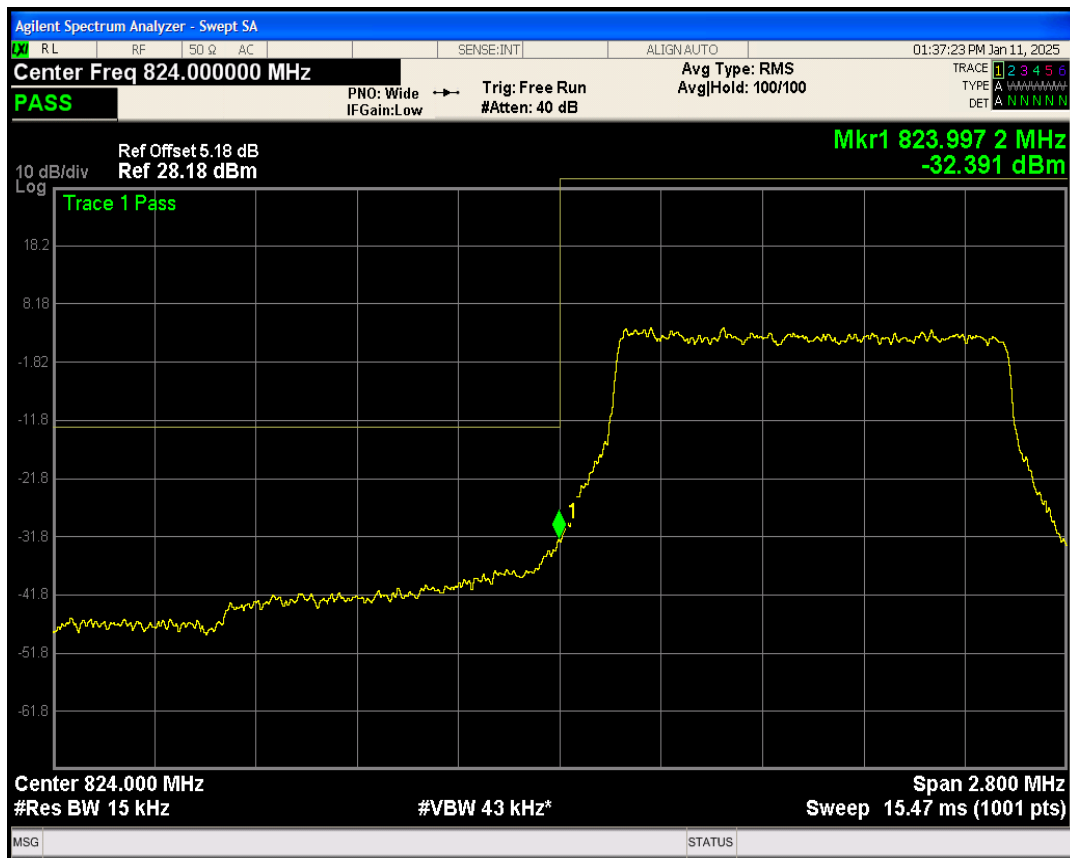
Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	824.00	-32.39	-13	PASS
Band5	1.4	20407	6	#0	16QAM	824.00	-32.61	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-31.48	-13	PASS
Band5	1.4	20643	6	#0	16QAM	849.00	-34.00	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-30.30	-13	PASS
Band5	3	20415	15	#0	16QAM	823.99	-31.78	-13	PASS
Band5	3	20635	15	#0	QPSK	849.03	-31.94	-13	PASS
Band5	3	20635	15	#0	16QAM	849.00	-31.60	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-27.64	-13	PASS
Band5	5	20425	25	#0	16QAM	824.00	-28.66	-13	PASS
Band5	5	20625	25	#0	QPSK	849.06	-29.66	-13	PASS
Band5	5	20625	25	#0	16QAM	849.05	-31.04	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-28.23	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-30.25	-13	PASS
Band5	10	20450	50	#0	16QAM	824.00	-34.53	-13	PASS
Band5	10	20600	50	#0	16QAM	849.08	-35.77	-13	PASS

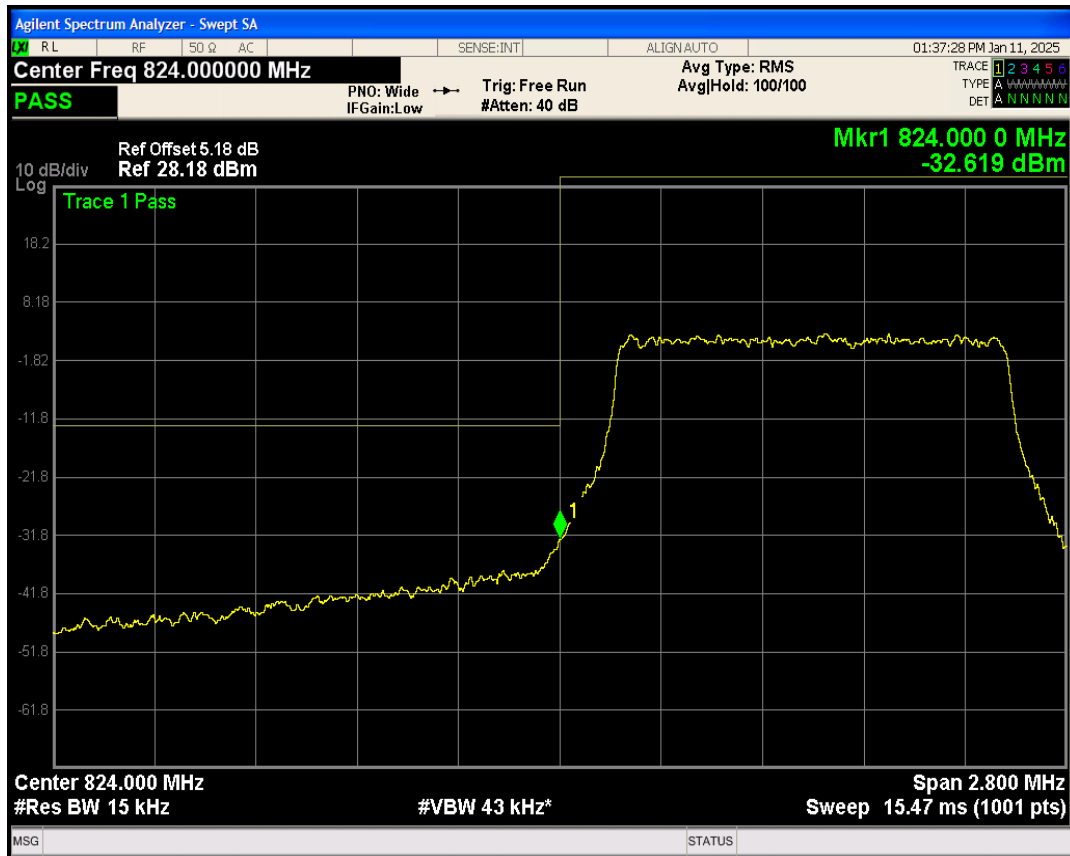




Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0

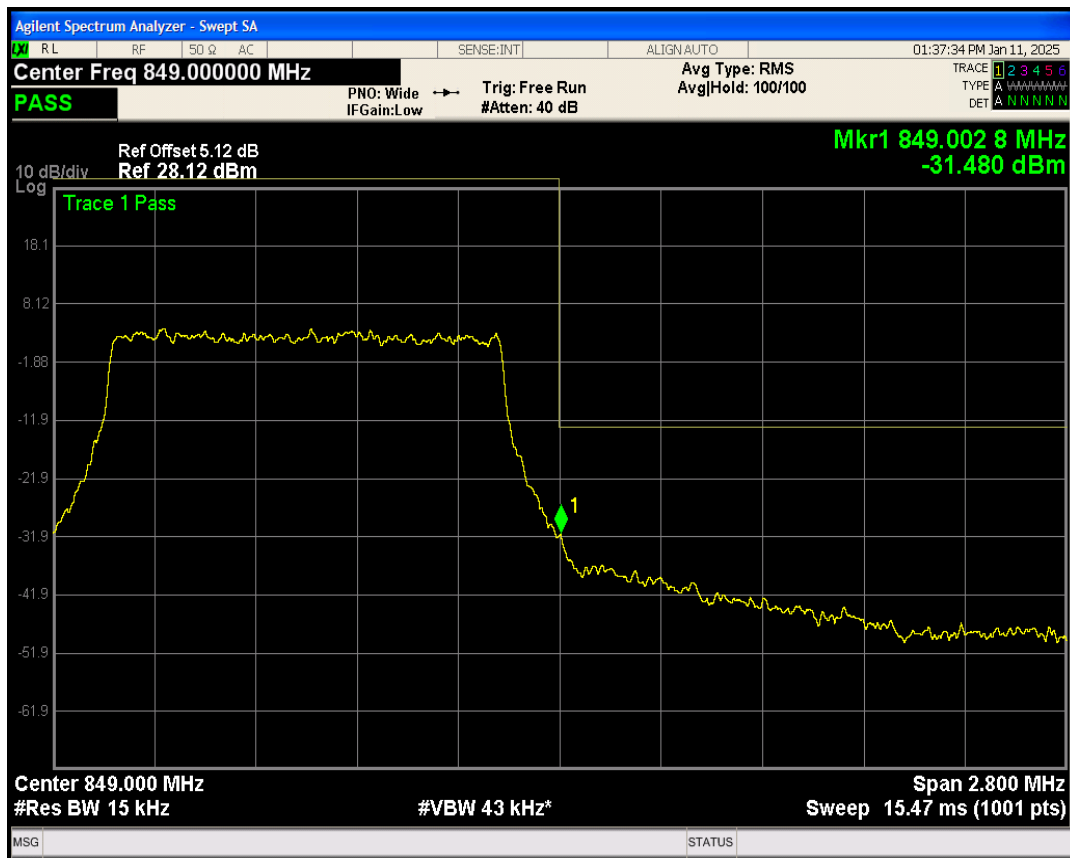


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0





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

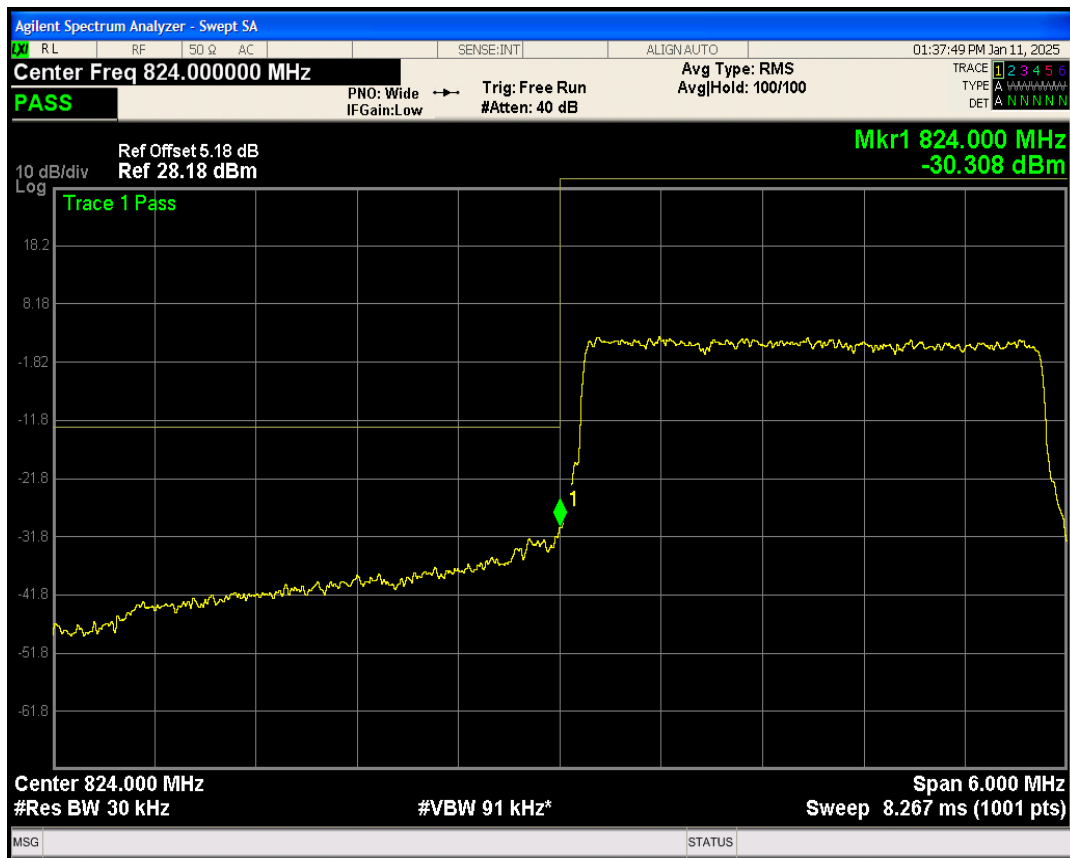


Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0

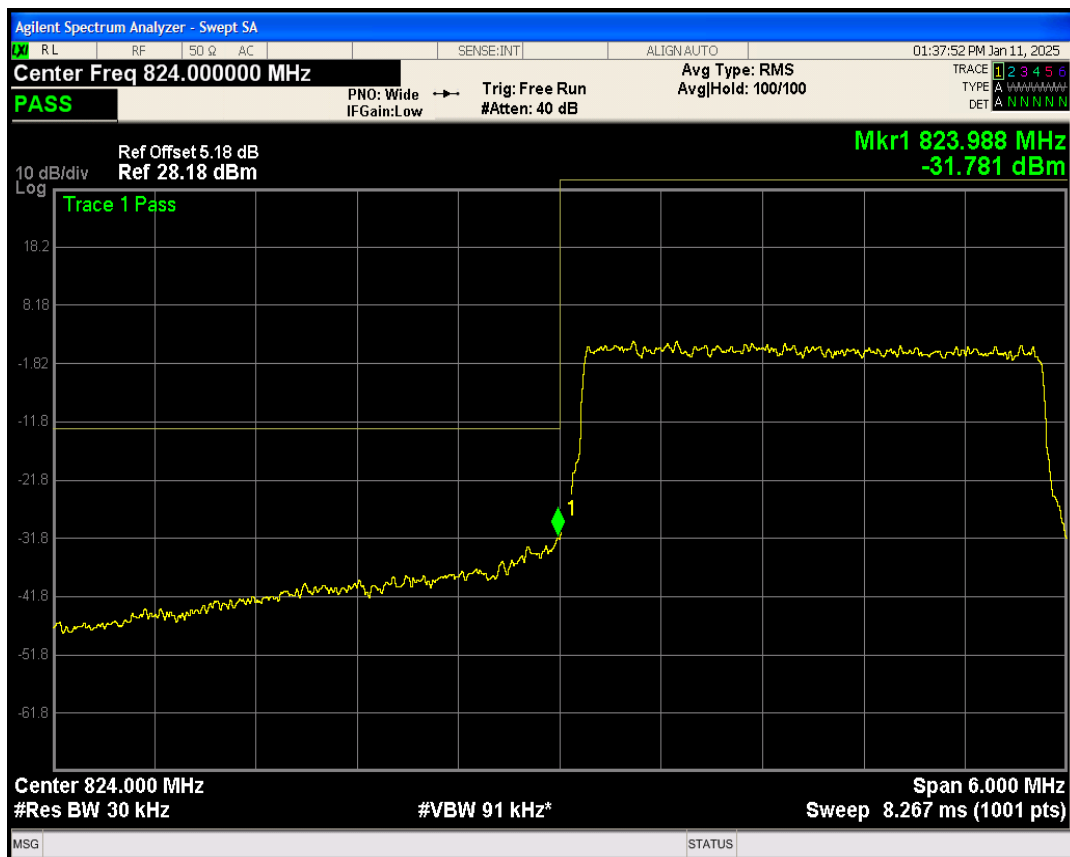




Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0

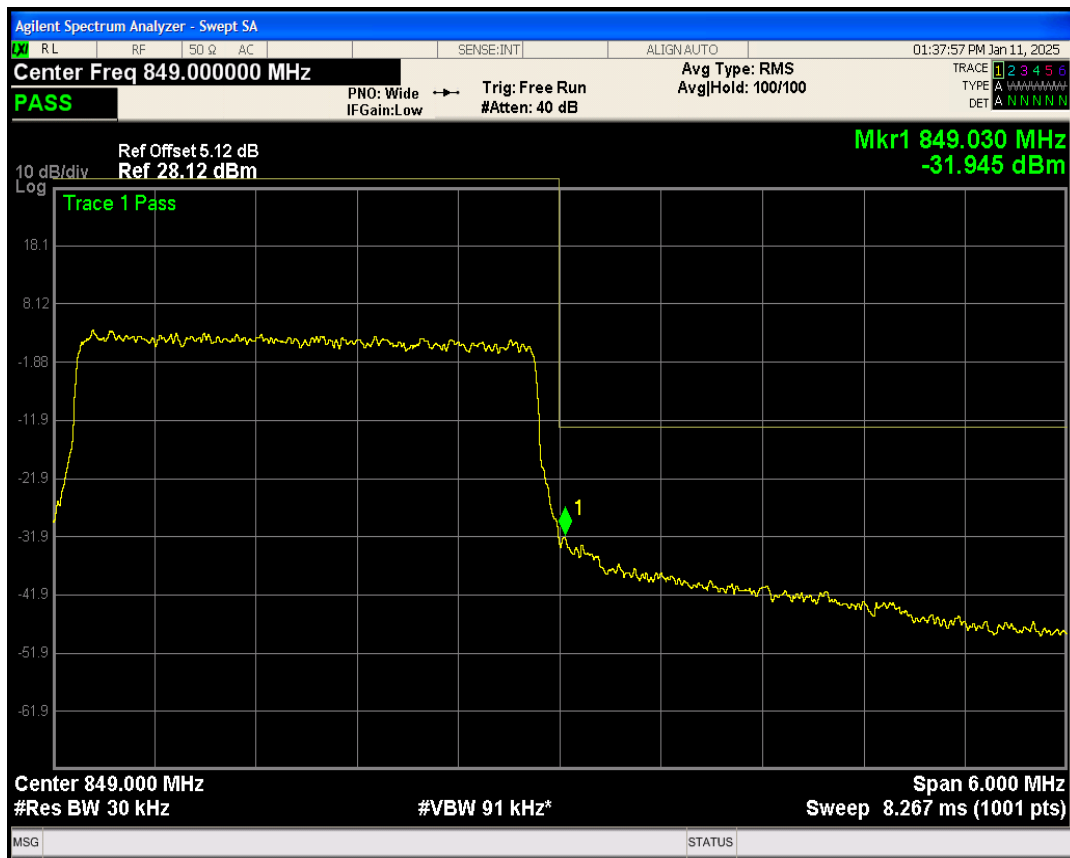


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

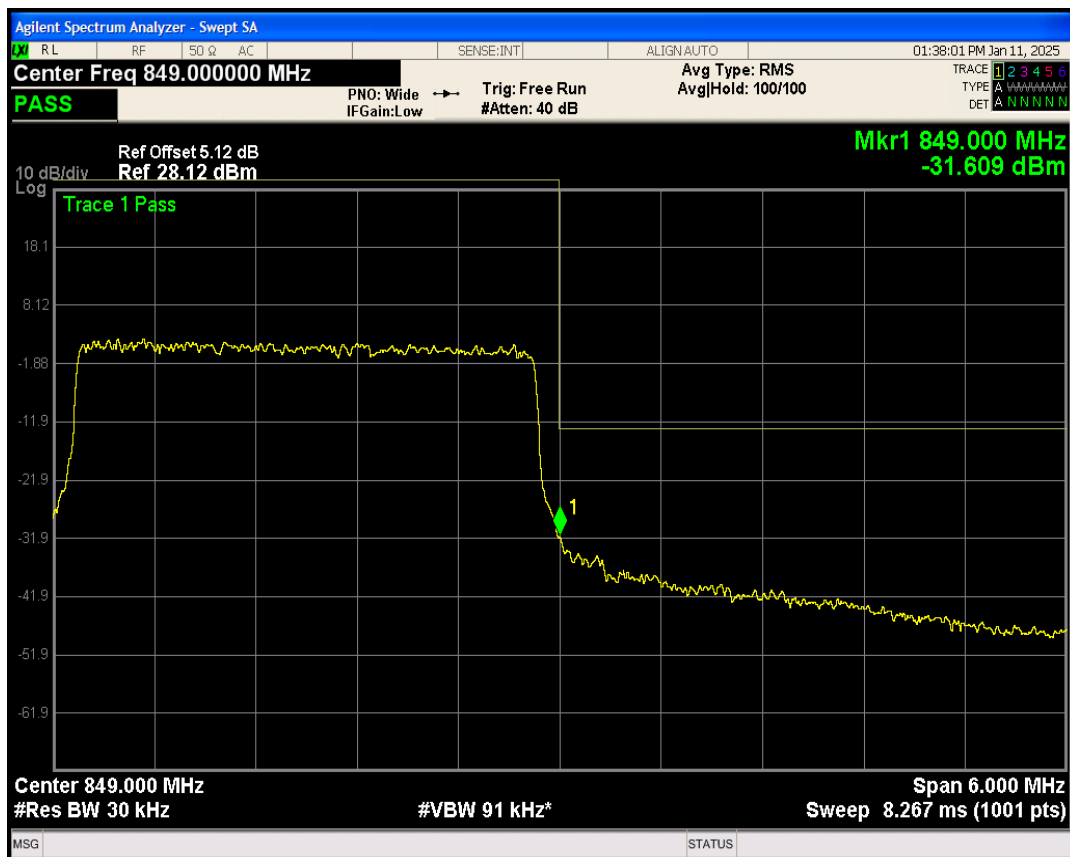




Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0

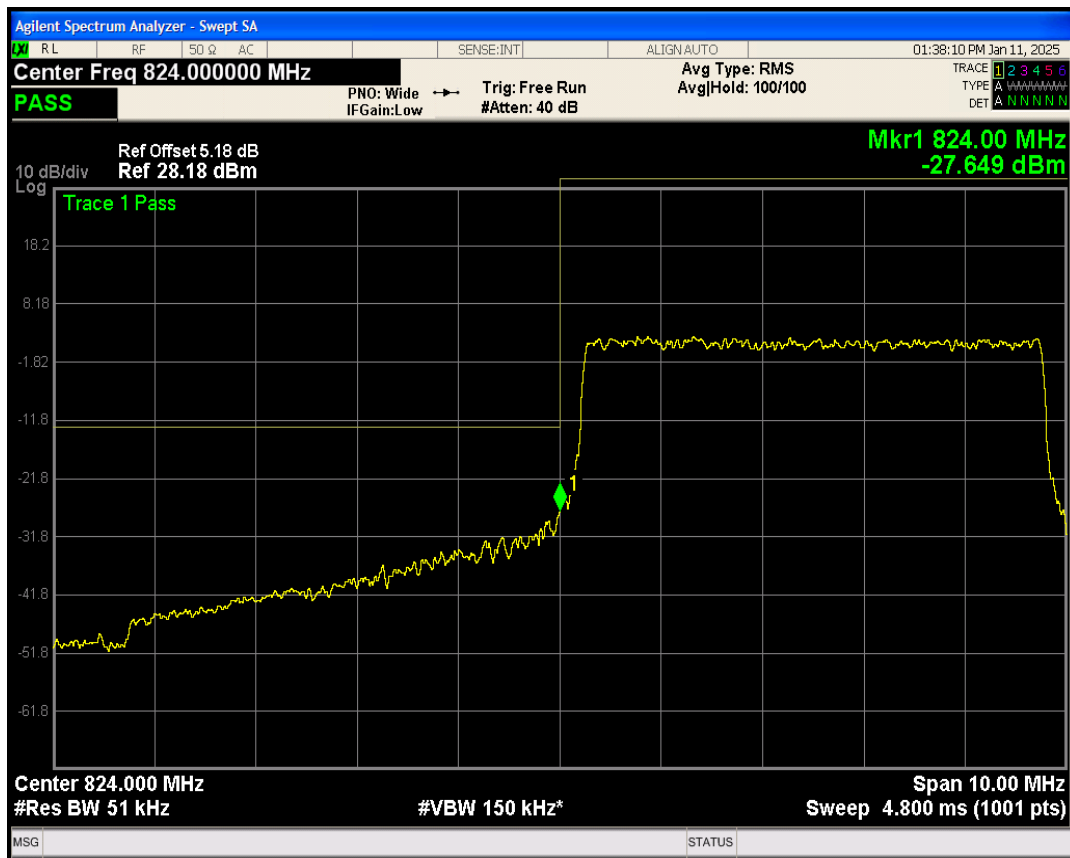


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

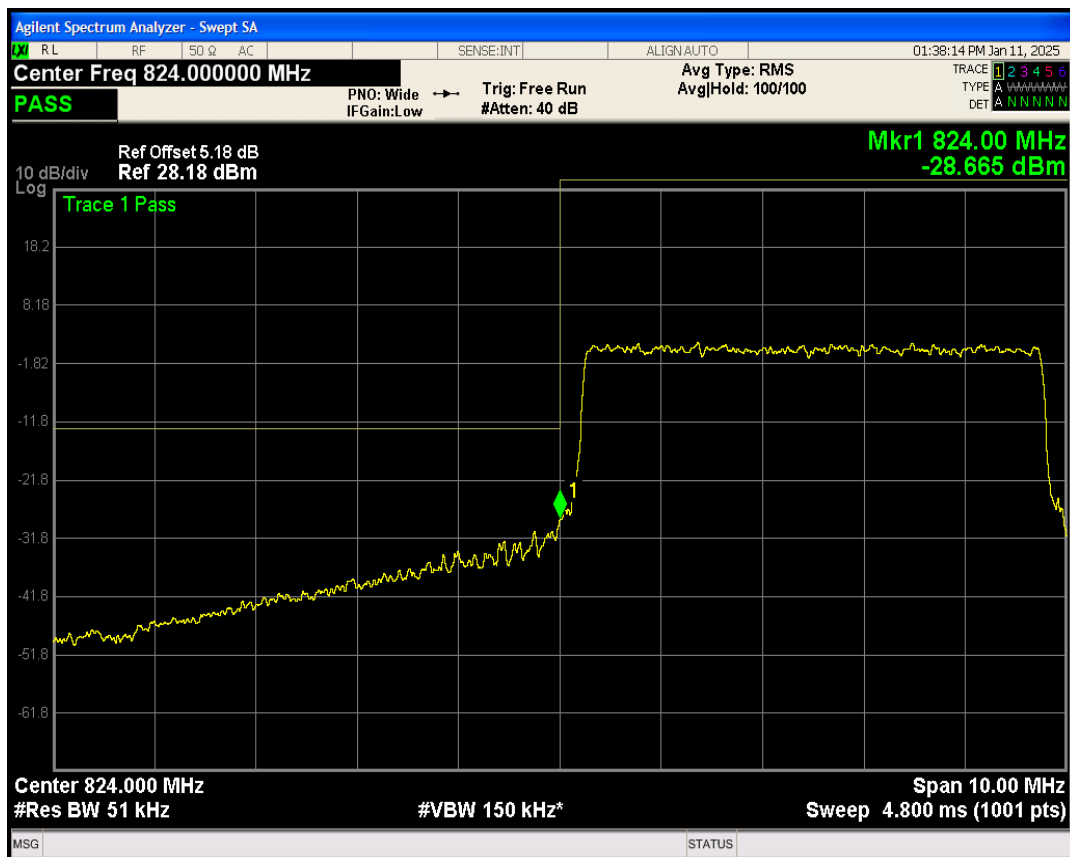




Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

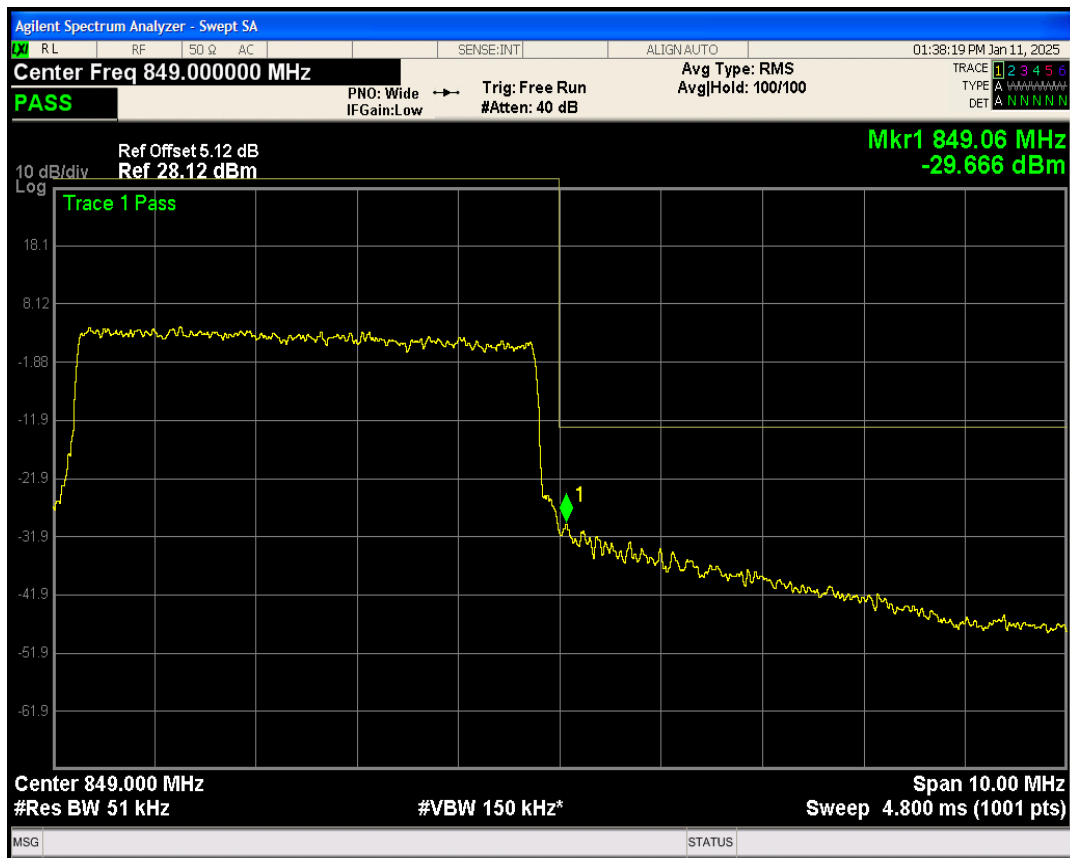


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

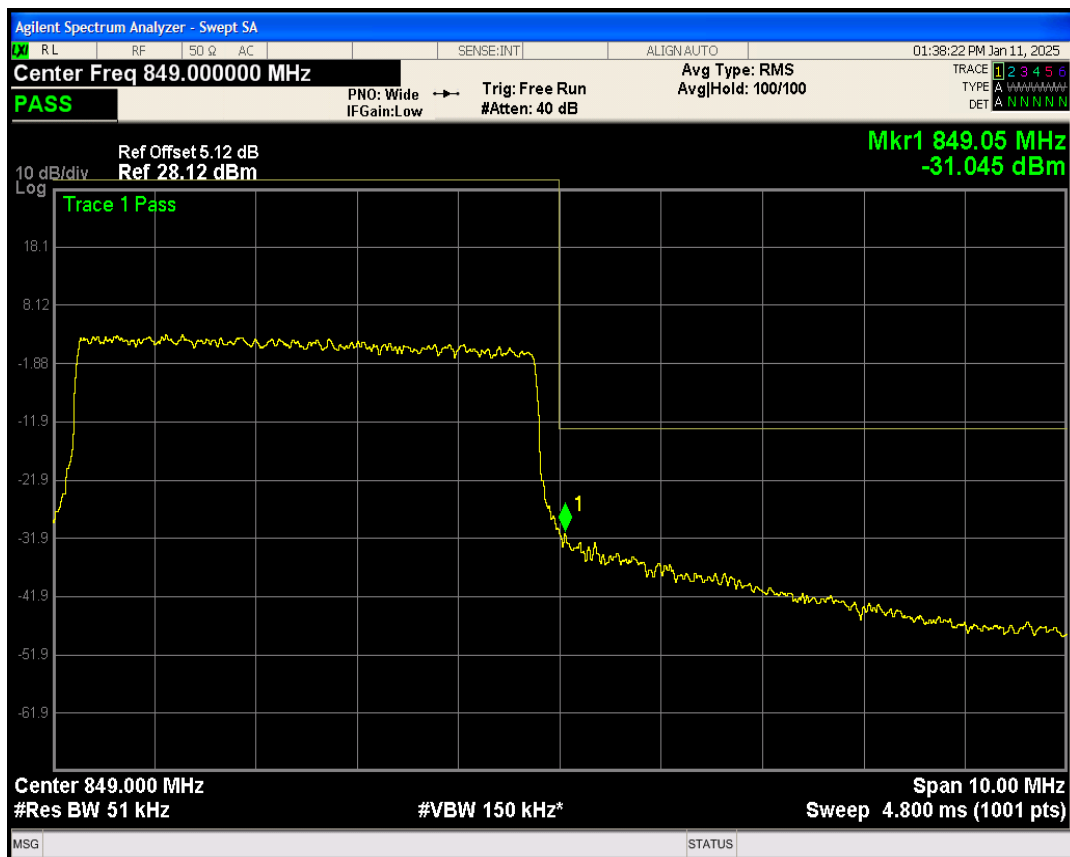




Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0

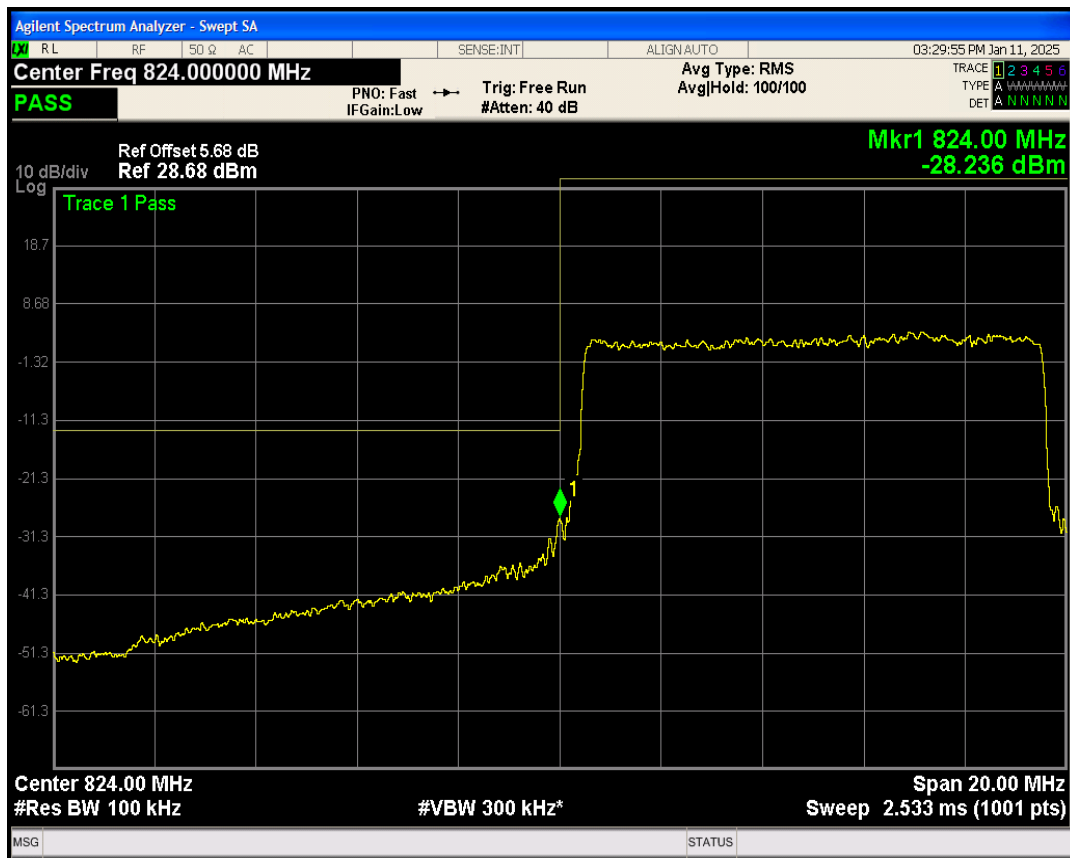


Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0

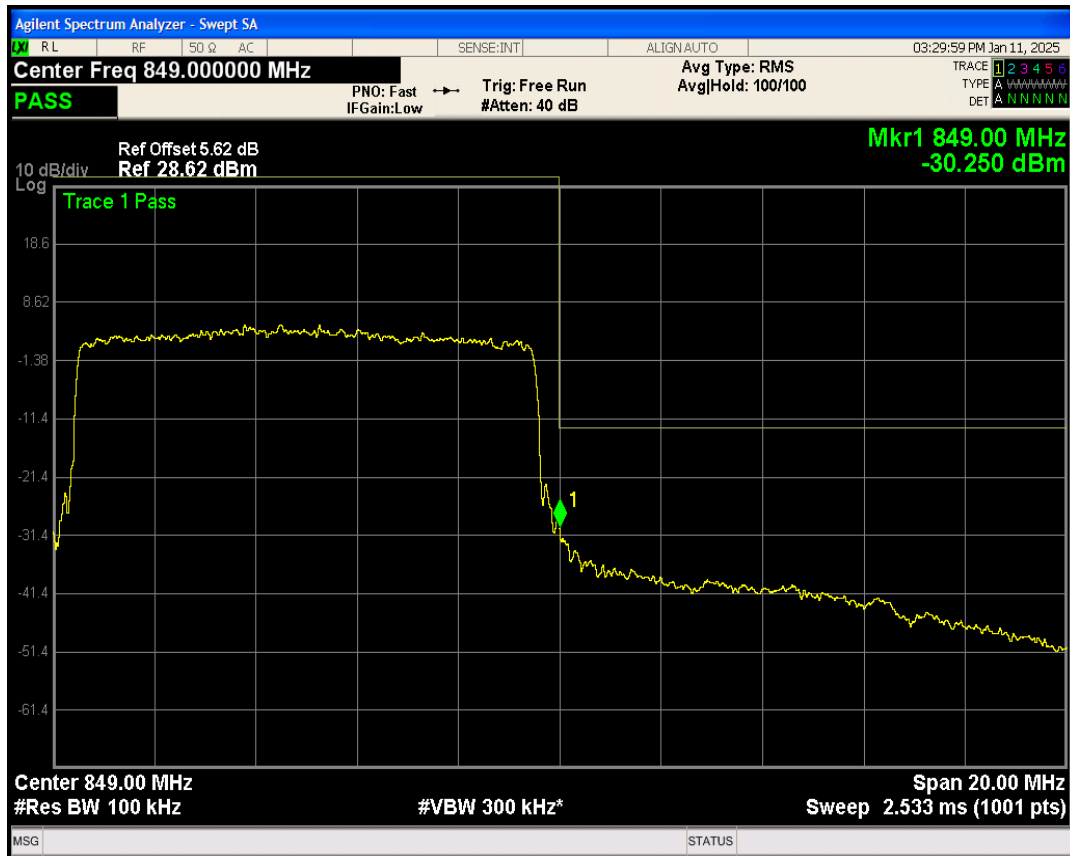




Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0

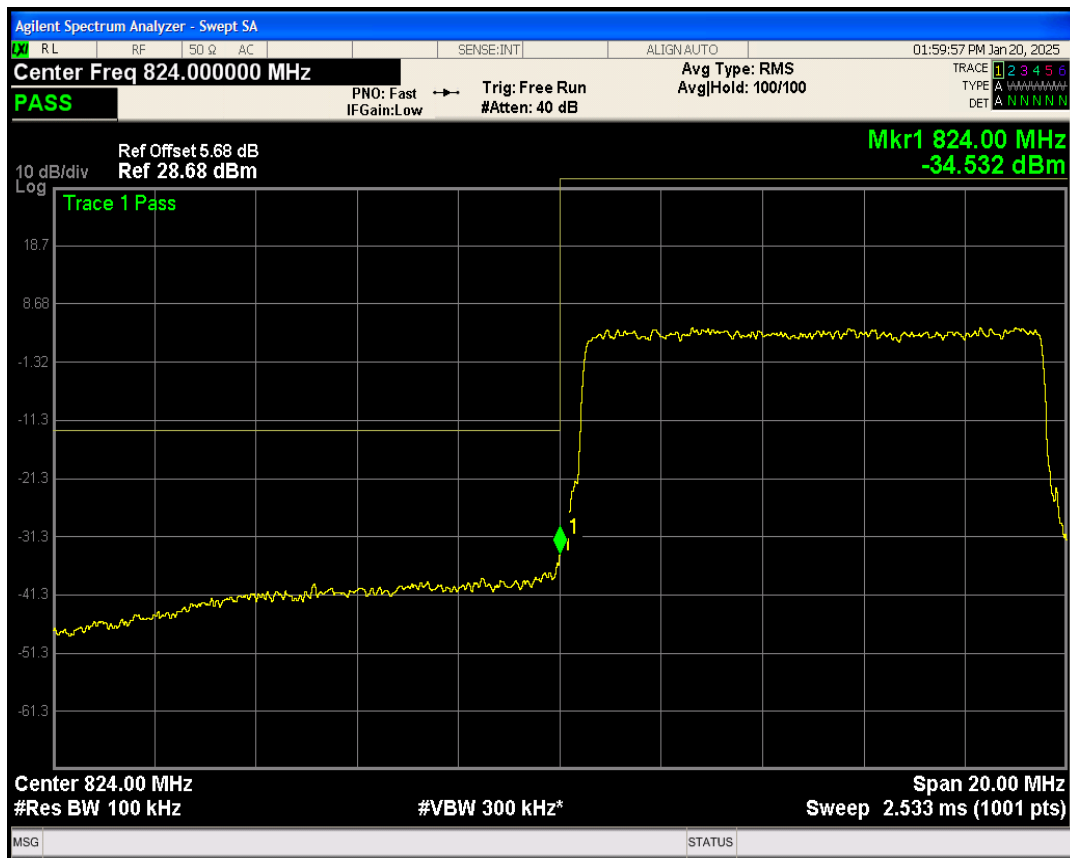


Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0

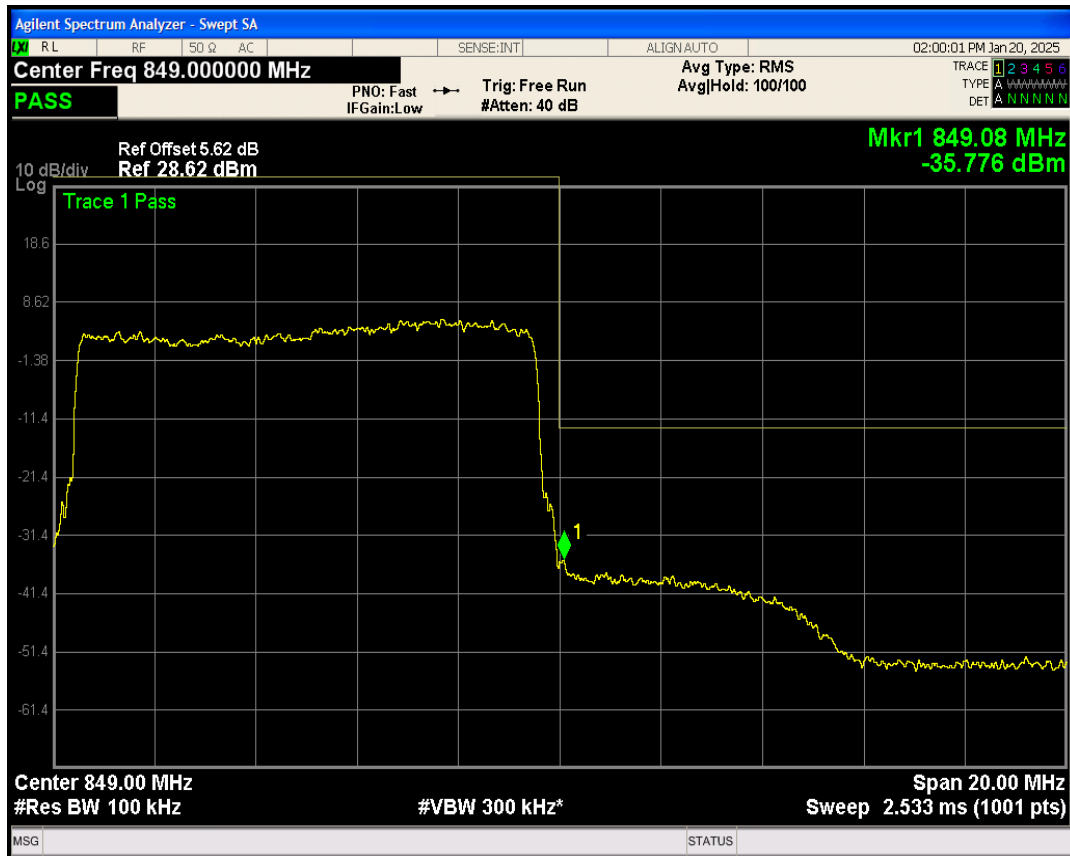




Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



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

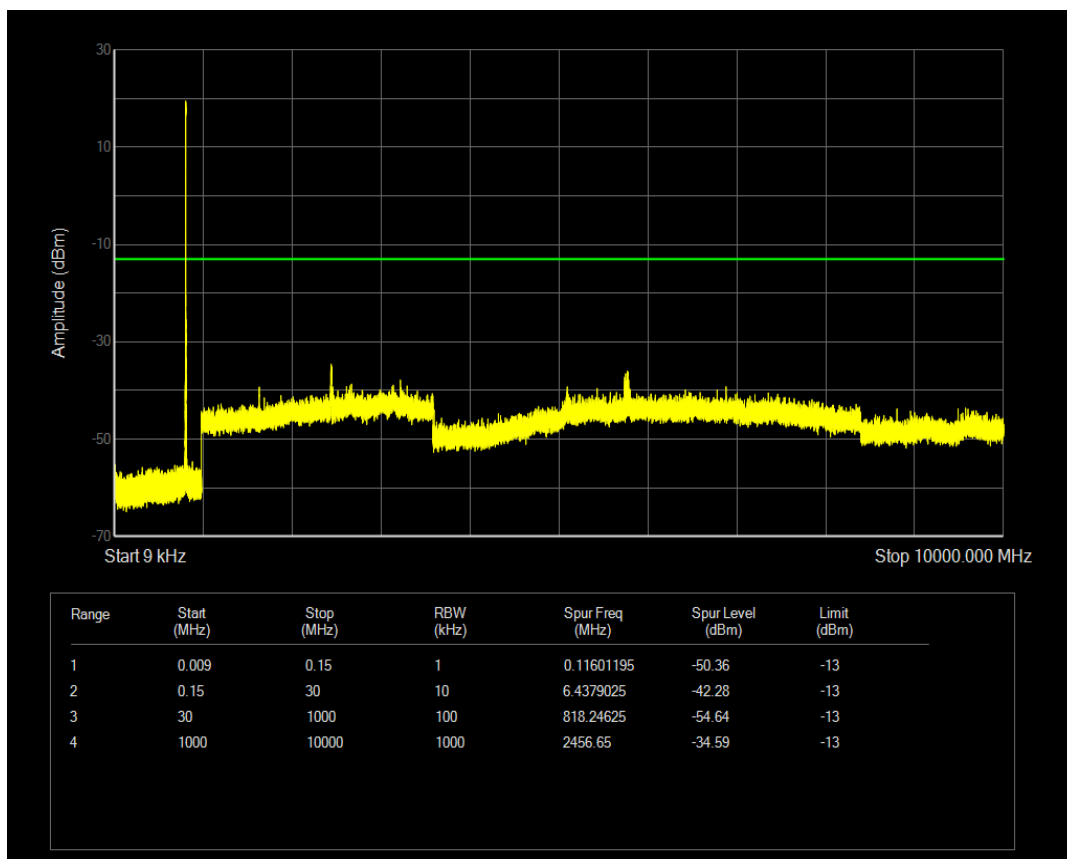


Appendix 6. Out-of-band emissions

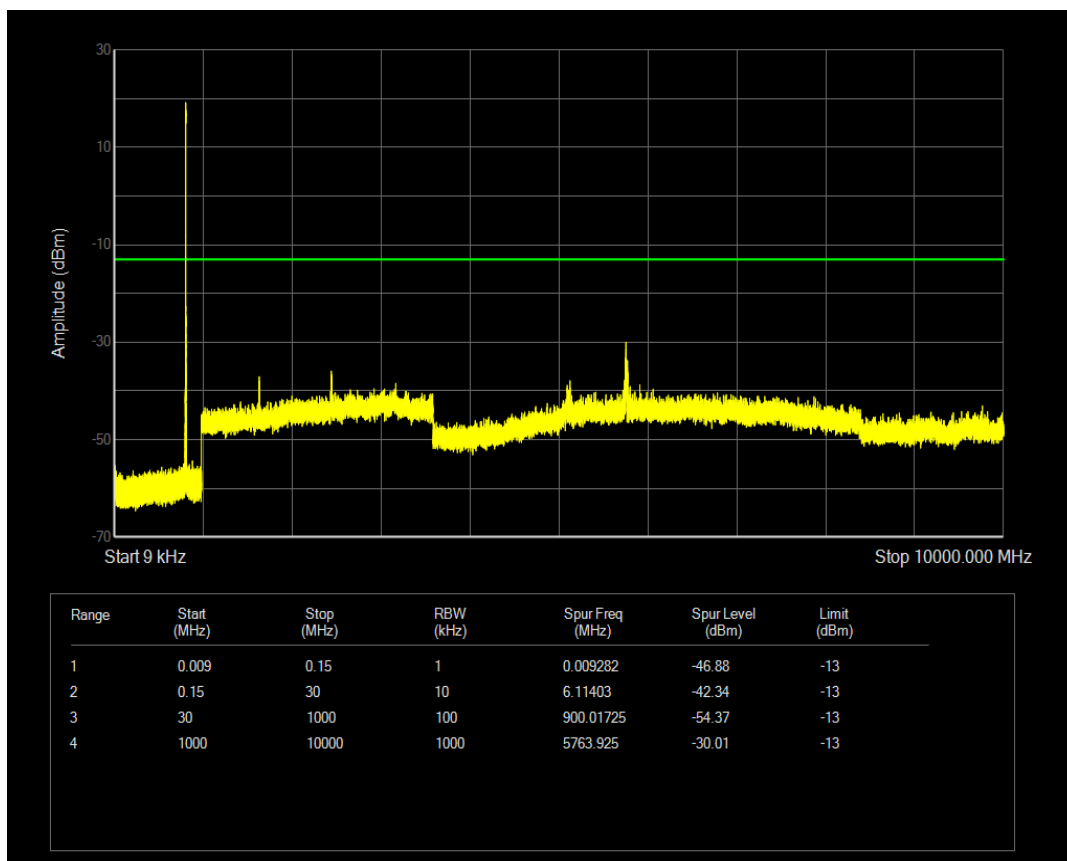
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band5	1.4	20407	6	#0	QPSK	2456.65	-34.59	-13	PASS
Band5	1.4	20407	6	#0	16QAM	5763.93	-30.01	-13	PASS
Band5	1.4	20525	6	#0	QPSK	2457.55	-31.74	-13	PASS
Band5	1.4	20525	6	#0	16QAM	2459.35	-35.48	-13	PASS
Band5	1.4	20643	6	#0	QPSK	5763.48	-31.66	-13	PASS
Band5	1.4	20643	6	#0	16QAM	5763.25	-29.23	-13	PASS
Band5	3	20415	15	#0	QPSK	5784.40	-33.68	-13	PASS
Band5	3	20415	15	#0	16QAM	5766.40	-29.70	-13	PASS
Band5	3	20525	15	#0	QPSK	2456.43	-34.52	-13	PASS
Band5	3	20525	15	#0	16QAM	5118.85	-34.26	-13	PASS
Band5	3	20635	15	#0	QPSK	2459.58	-36.89	-13	PASS
Band5	3	20635	15	#0	16QAM	2459.13	-35.66	-13	PASS
Band5	5	20425	25	#0	QPSK	2457.33	-33.50	-13	PASS
Band5	5	20425	25	#0	16QAM	2456.65	-37.48	-13	PASS
Band5	5	20525	25	#0	QPSK	5764.83	-30.00	-13	PASS
Band5	5	20525	25	#0	16QAM	5119.98	-33.37	-13	PASS
Band5	5	20625	25	#0	QPSK	5779.68	-36.63	-13	PASS
Band5	5	20625	25	#0	16QAM	2458.90	-35.86	-13	PASS
Band5	10	20450	50	#0	QPSK	2421.10	-32.58	-13	PASS
Band5	10	20525	50	#0	QPSK	5764.15	-34.14	-13	PASS
Band5	10	20600	50	#0	QPSK	2424.70	-34.38	-13	PASS
Band5	10	20450	50	#0	16QAM	25080.00	-23.76	-13	PASS
Band5	10	20525	50	#0	16QAM	24728.13	-23.99	-13	PASS
Band5	10	20600	50	#0	16QAM	24855.63	-24.26	-13	PASS



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

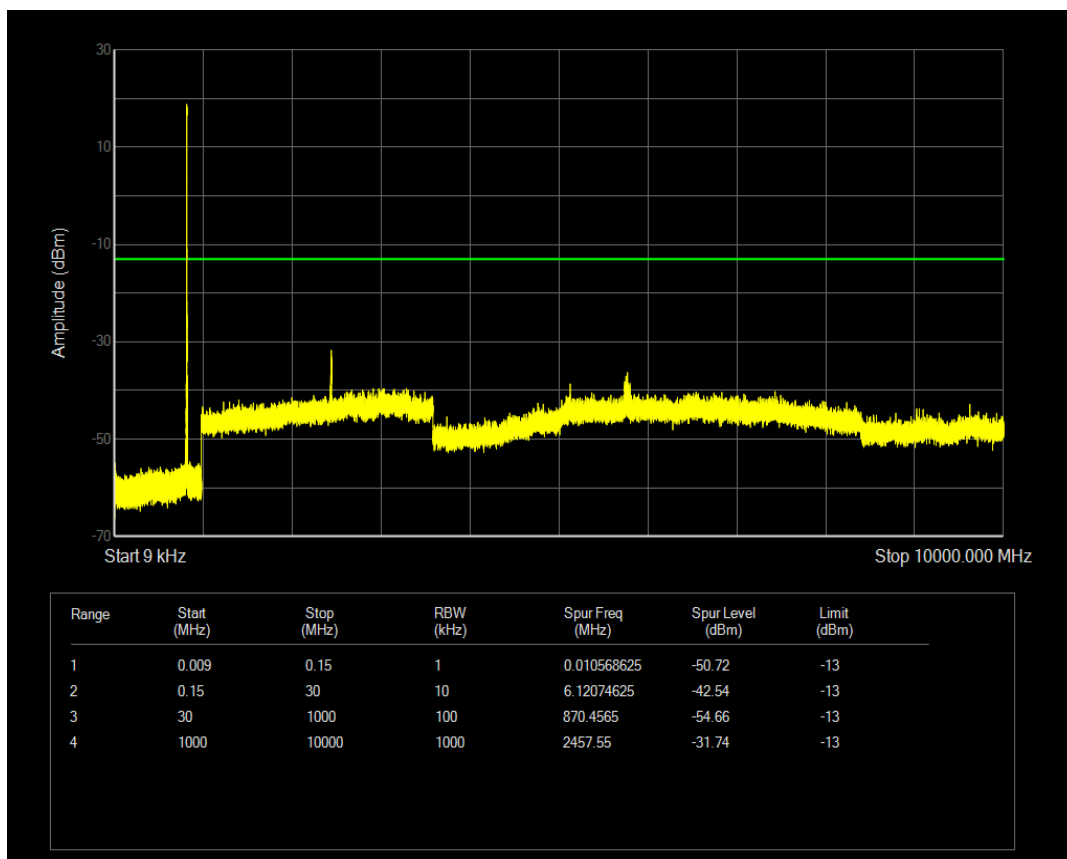


Band5 16QAM BW=1.4MHz Channel=20407 RB Size=6 Position=#0

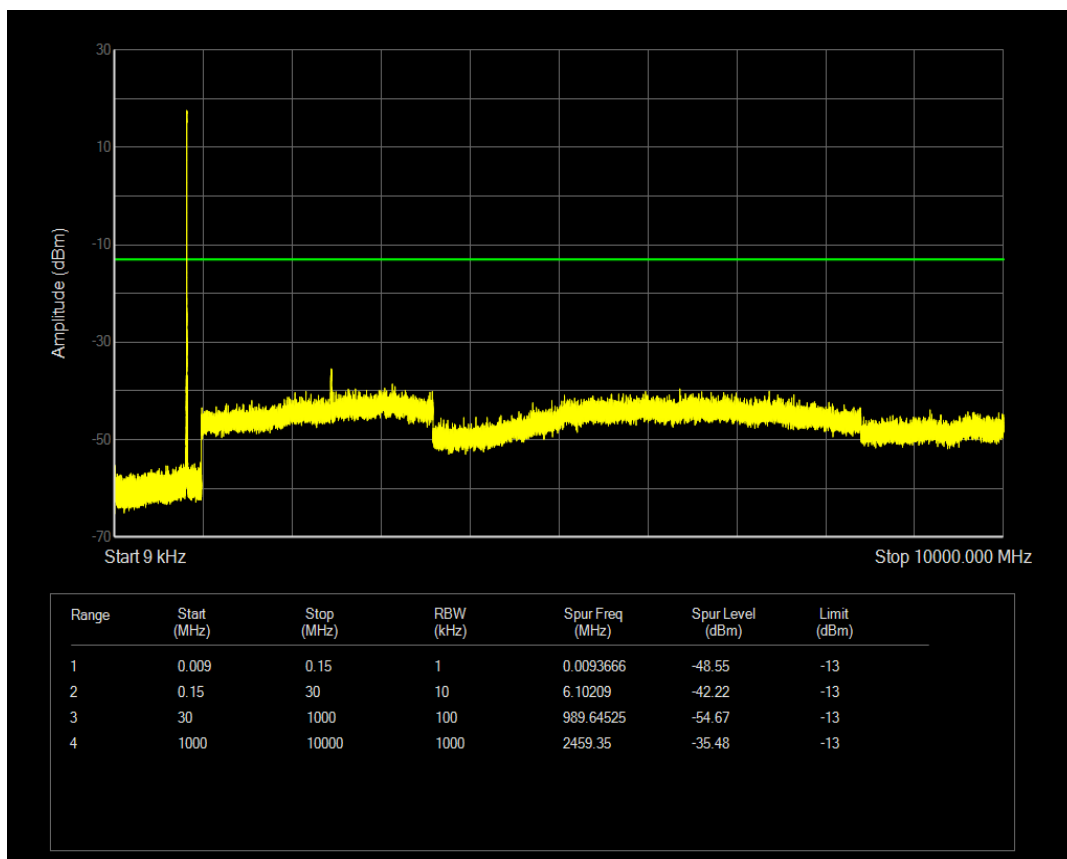




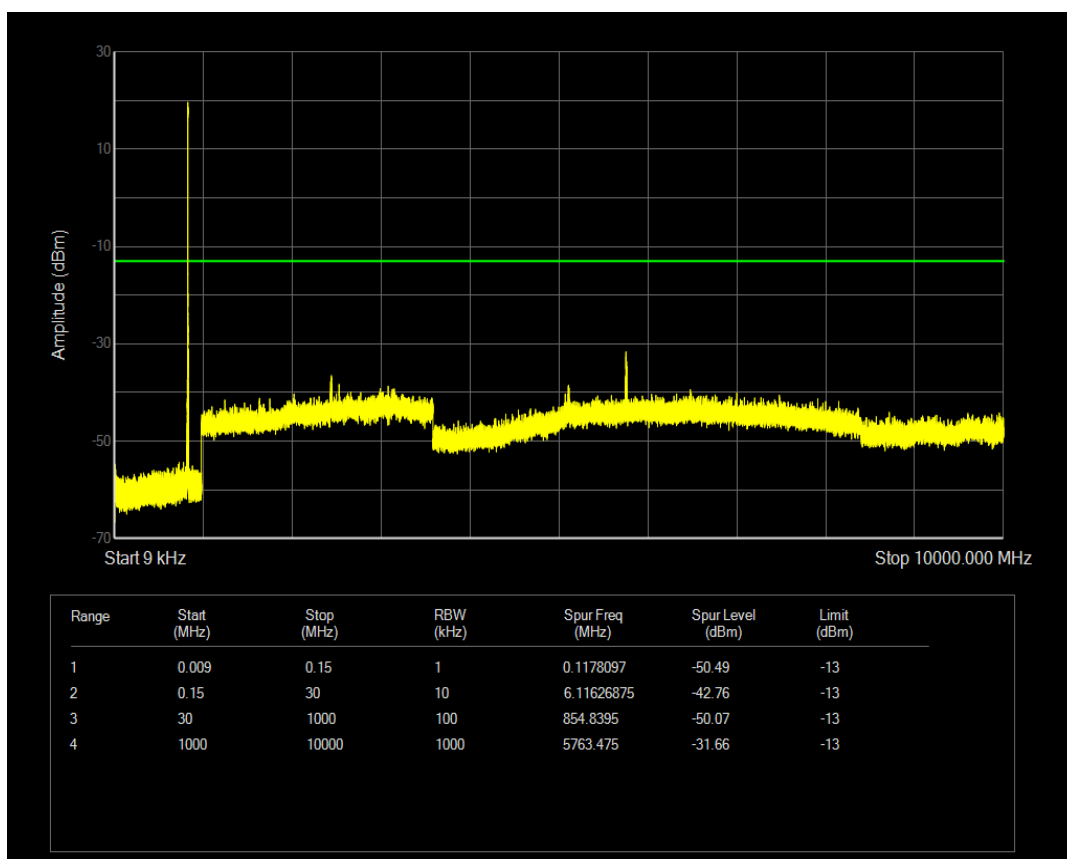
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



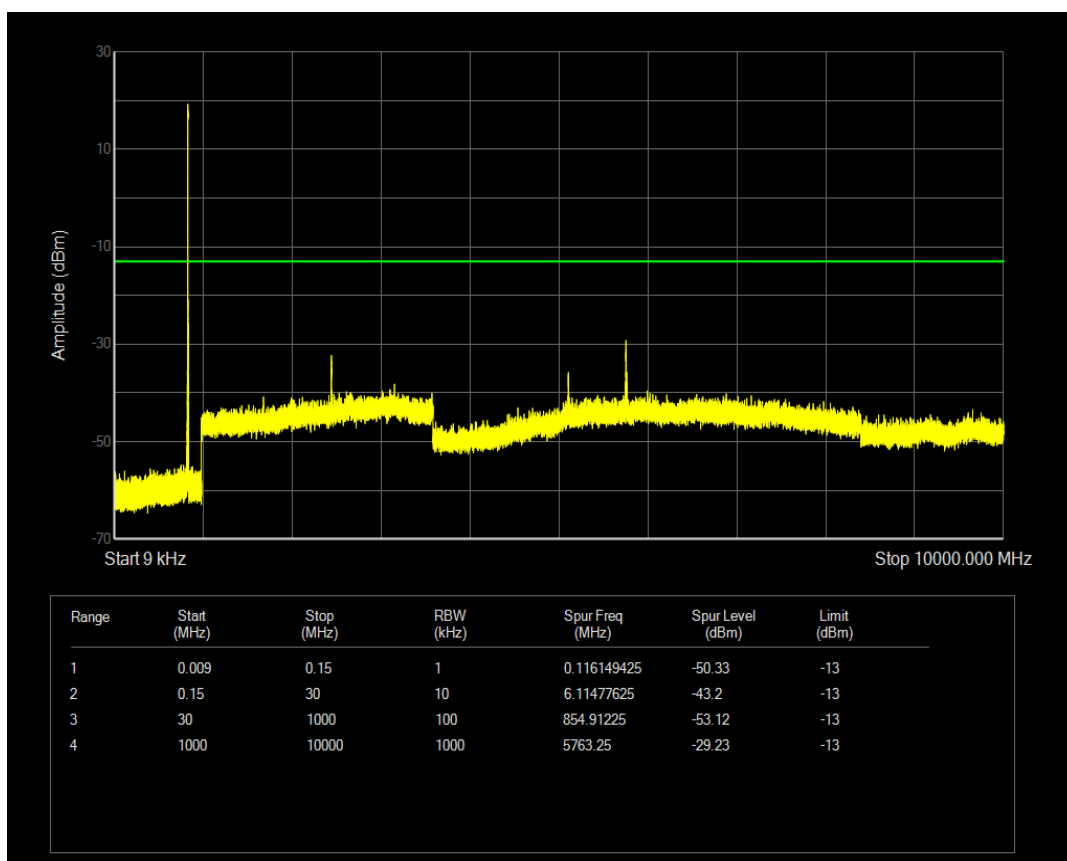
Band5 16QAM BW=1.4MHz Channel=20525 RB Size=6 Position=#0



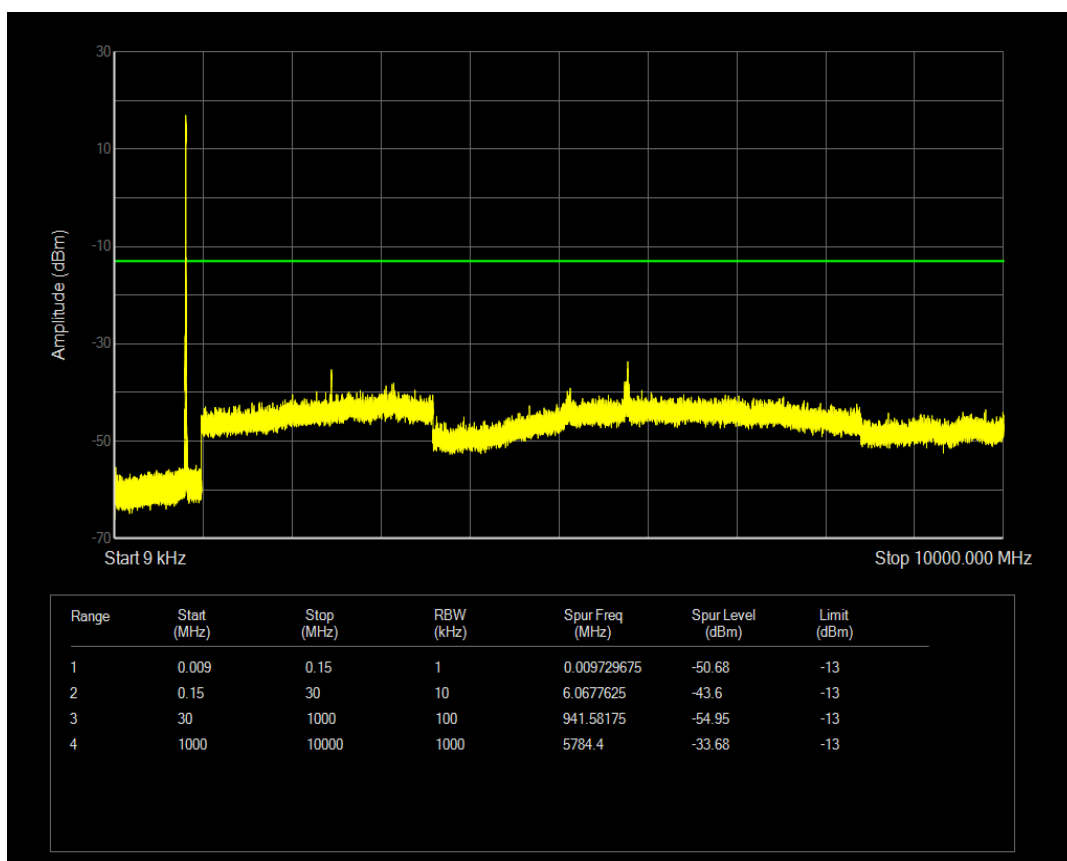
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



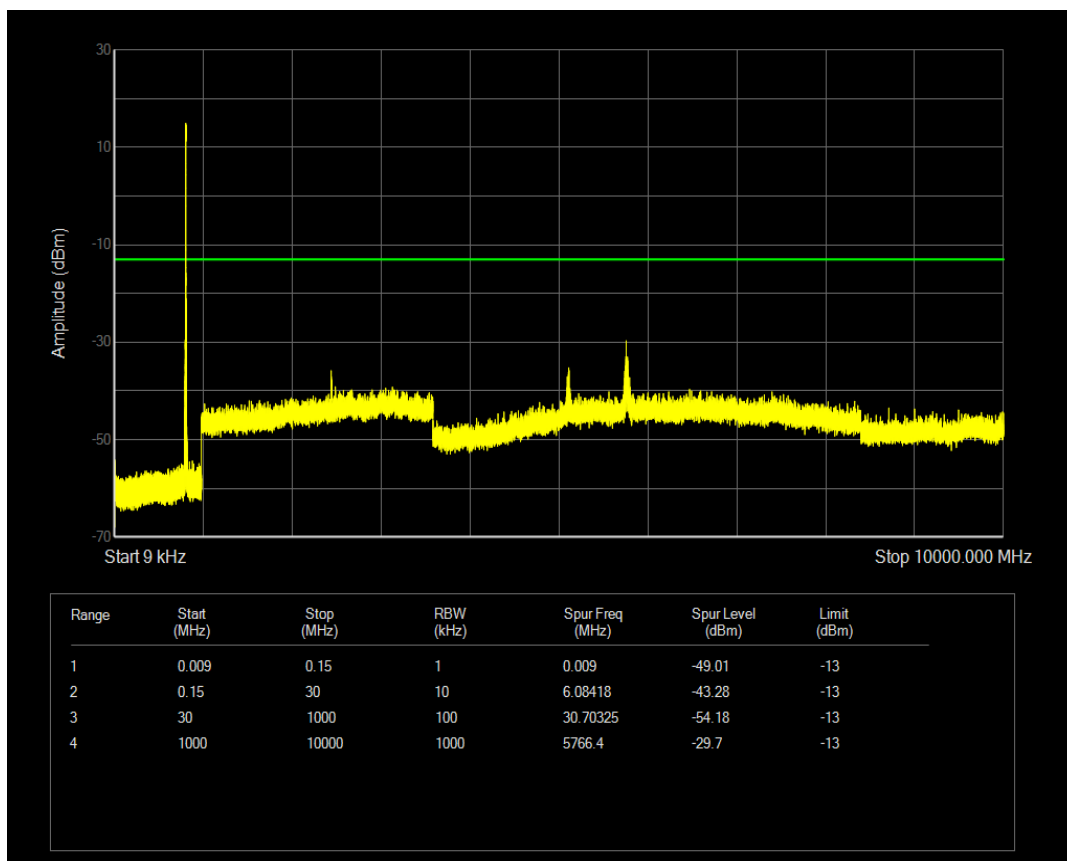
Band5 16QAM BW=1.4MHz Channel=20643 RB Size=6 Position=#0



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

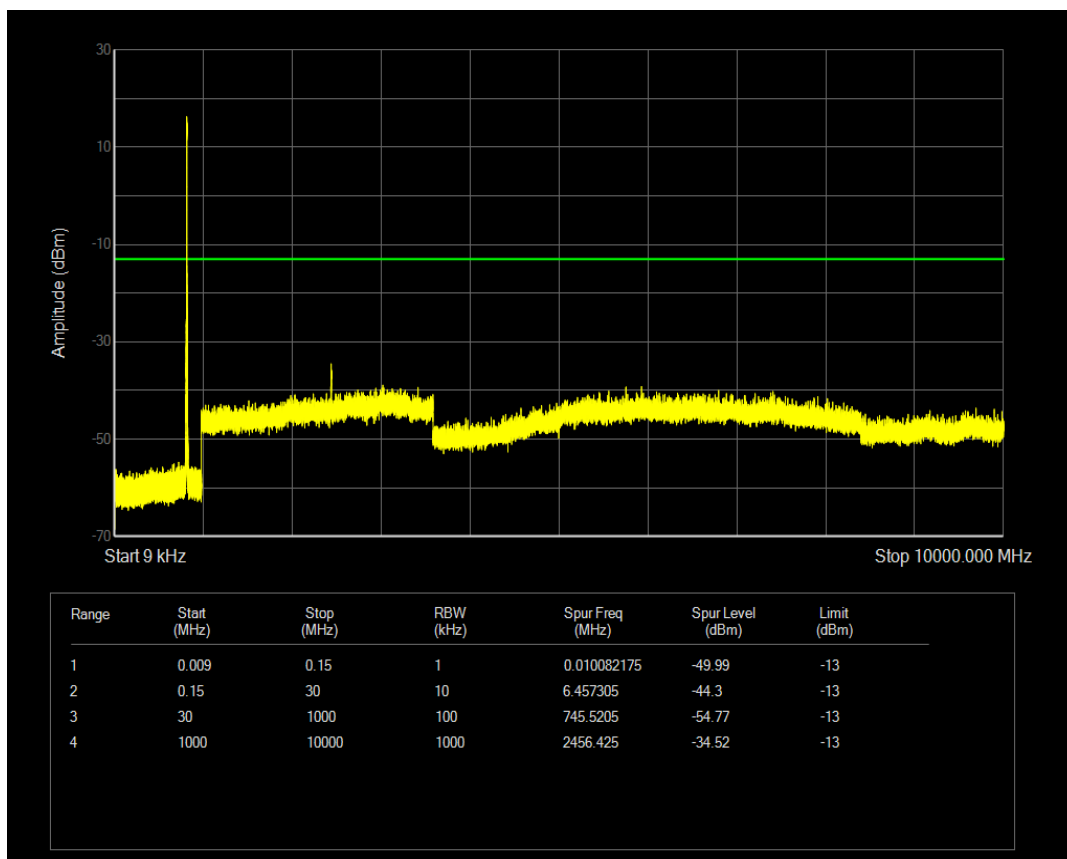


Band5 16QAM BW=3MHz Channel=20415 RB Size=15 Position=#0

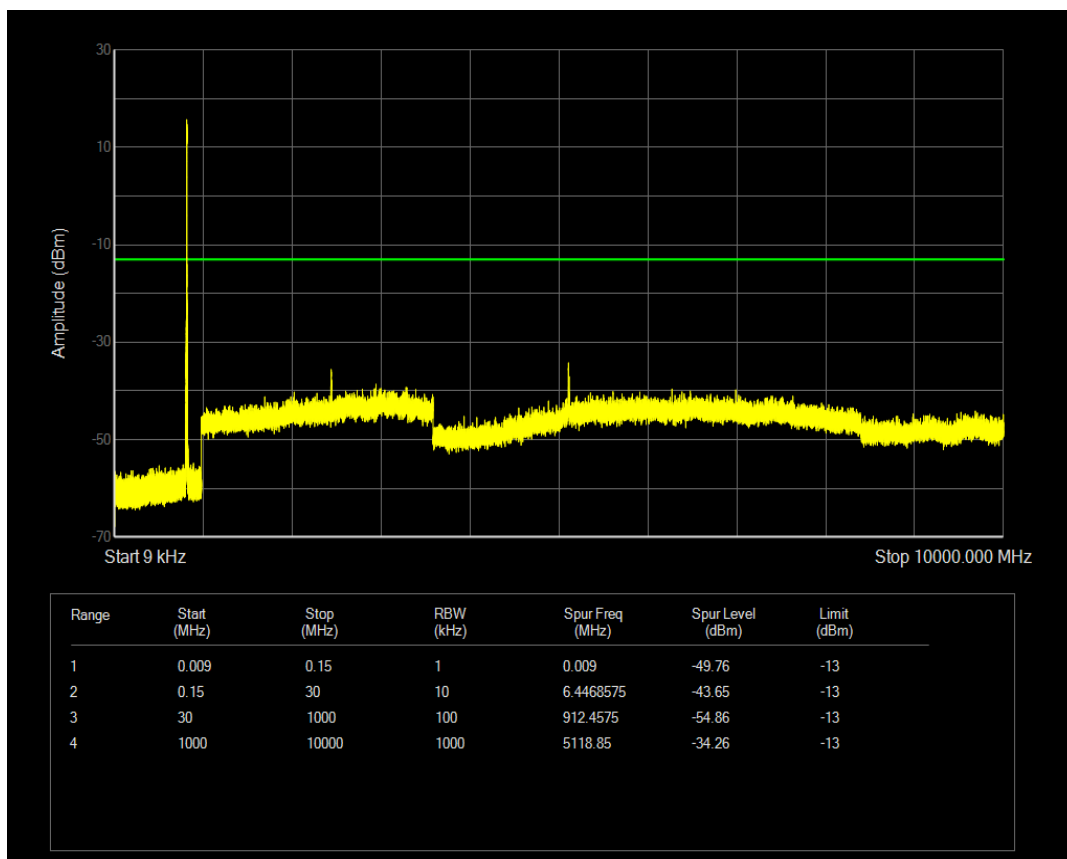




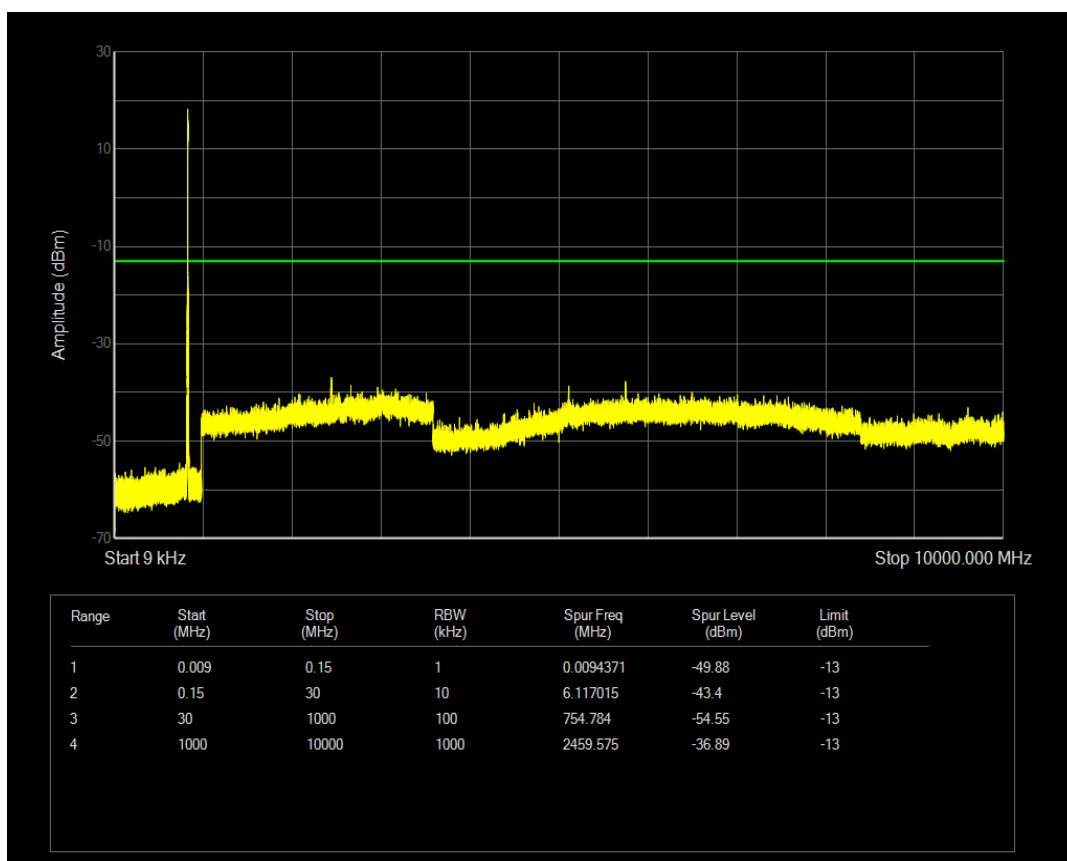
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



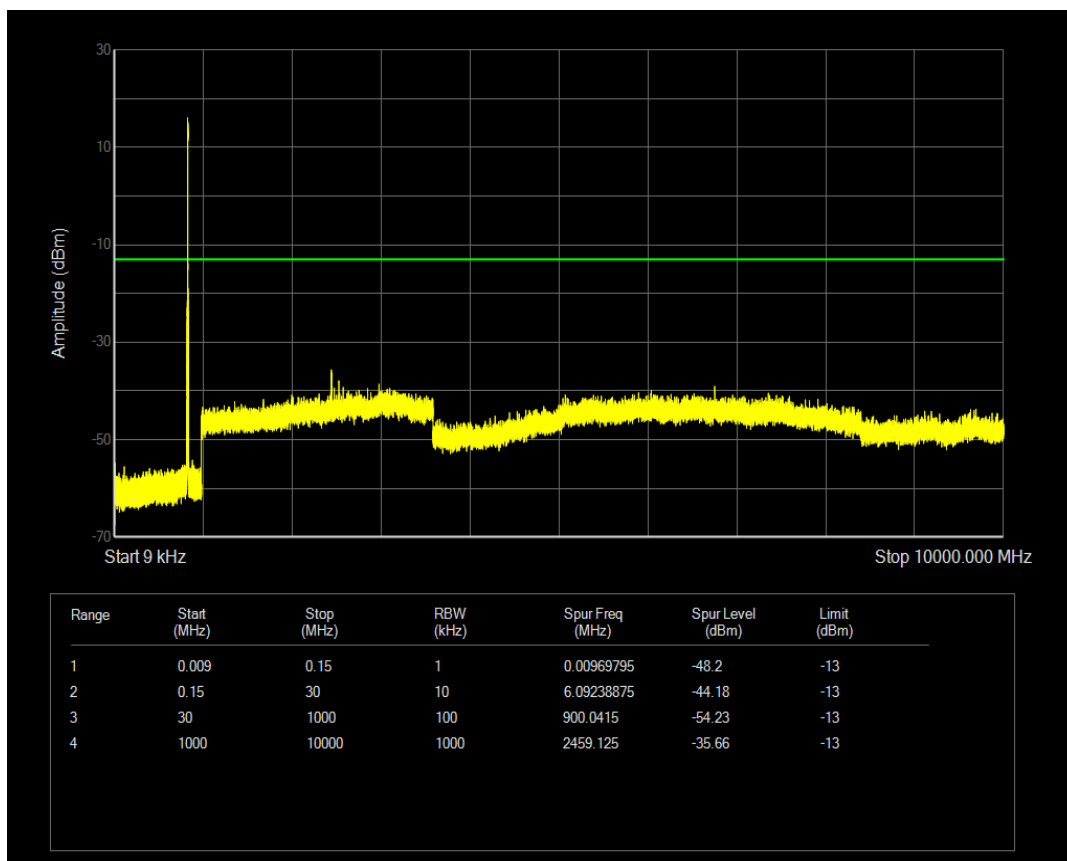
Band5 16QAM BW=3MHz Channel=20525 RB Size=15 Position=#0



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

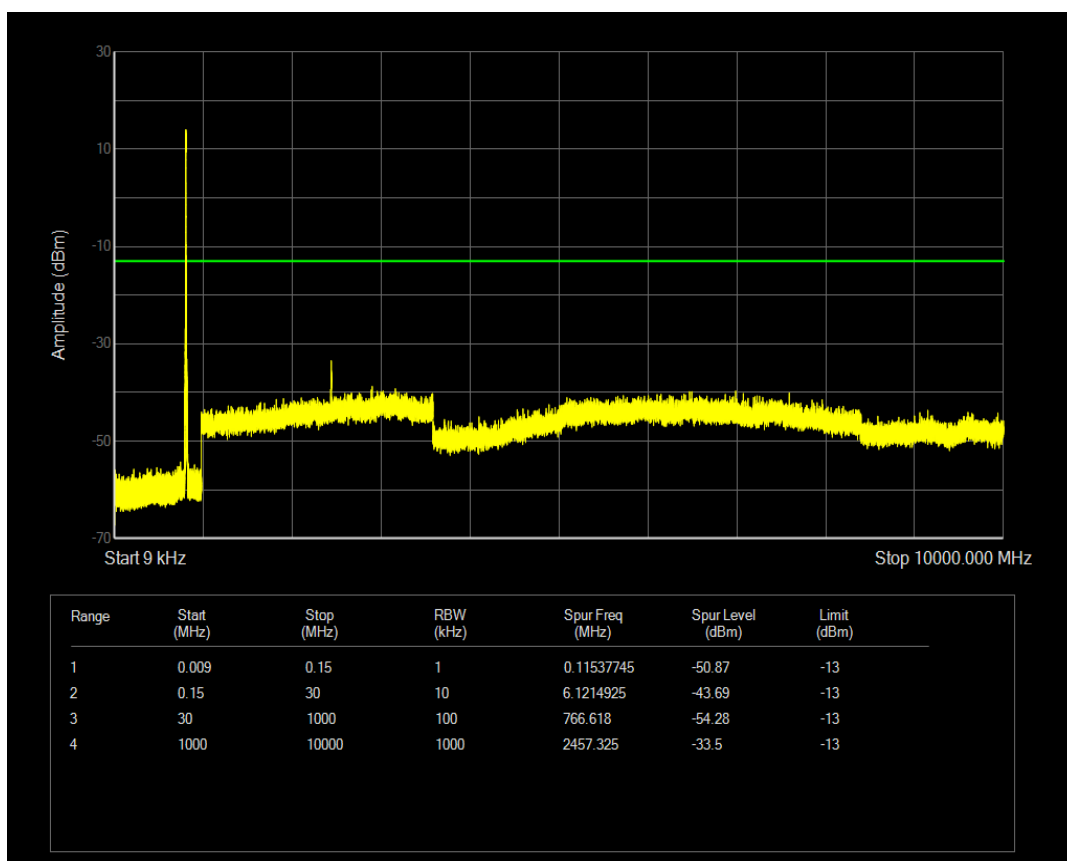


Band5 16QAM BW=3MHz Channel=20635 RB Size=15 Position=#0

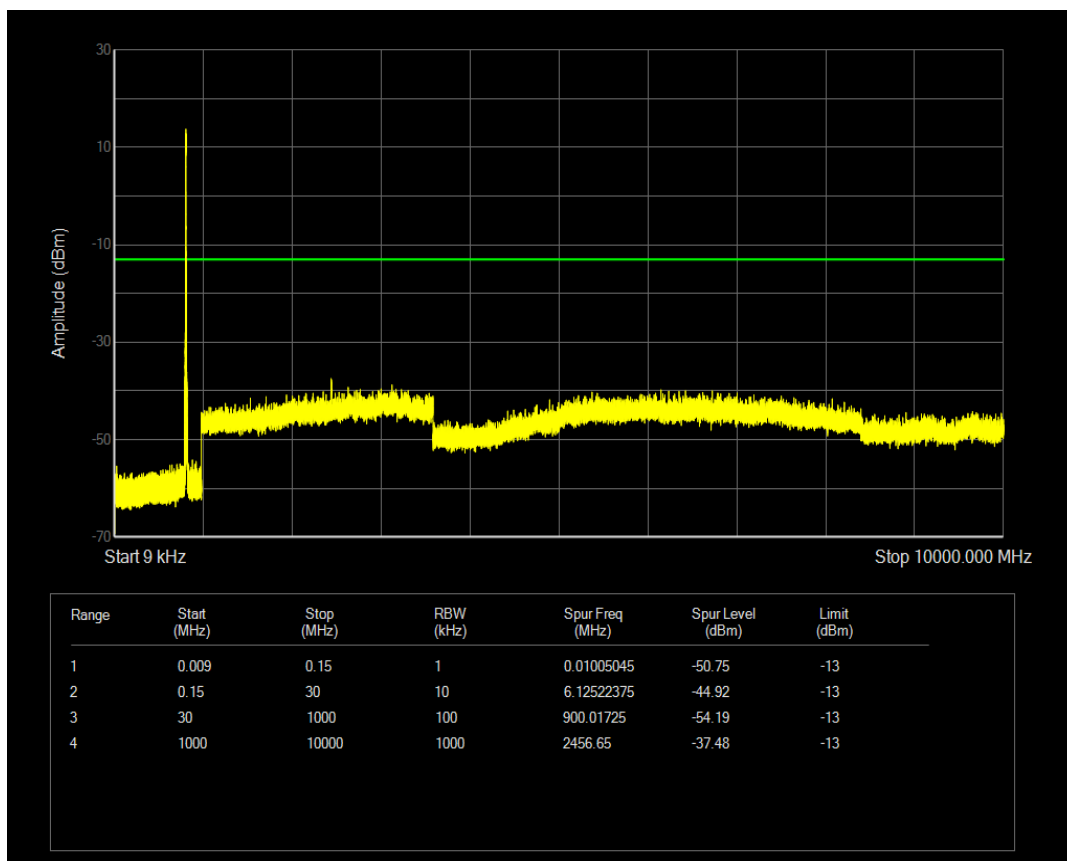




Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0

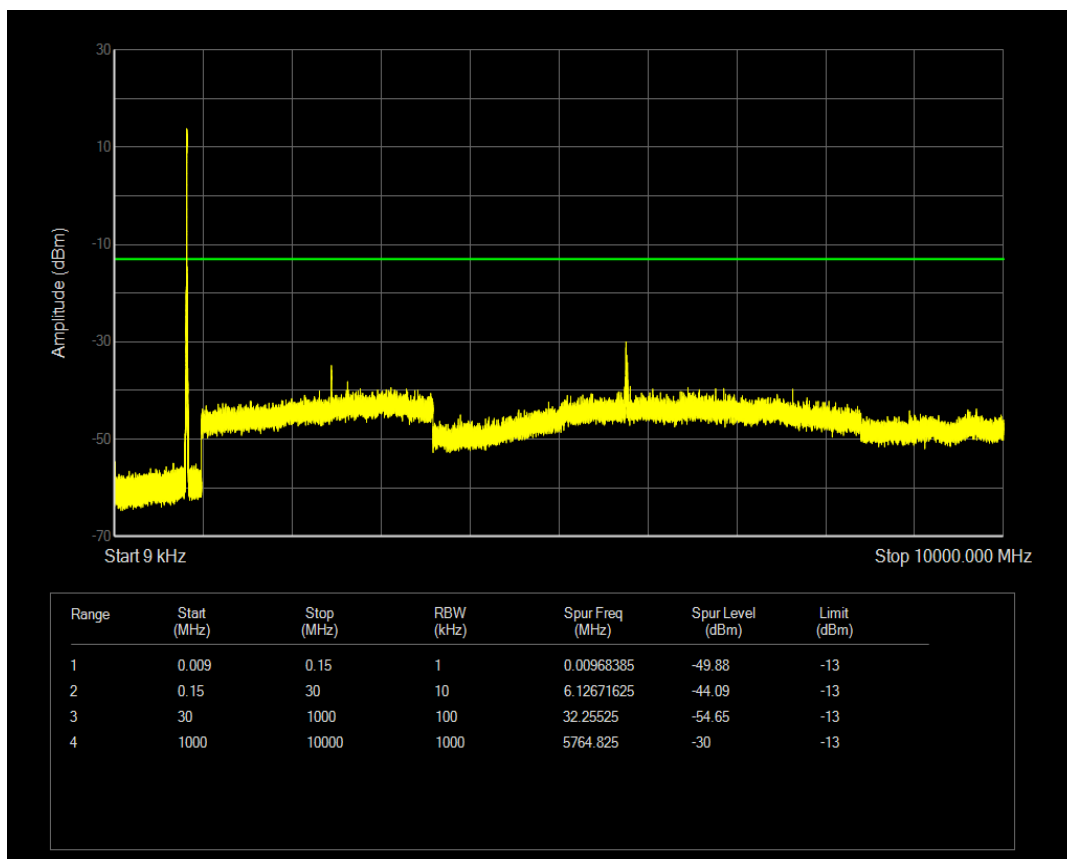


Band5 16QAM BW=5MHz Channel=20425 RB Size=25 Position=#0

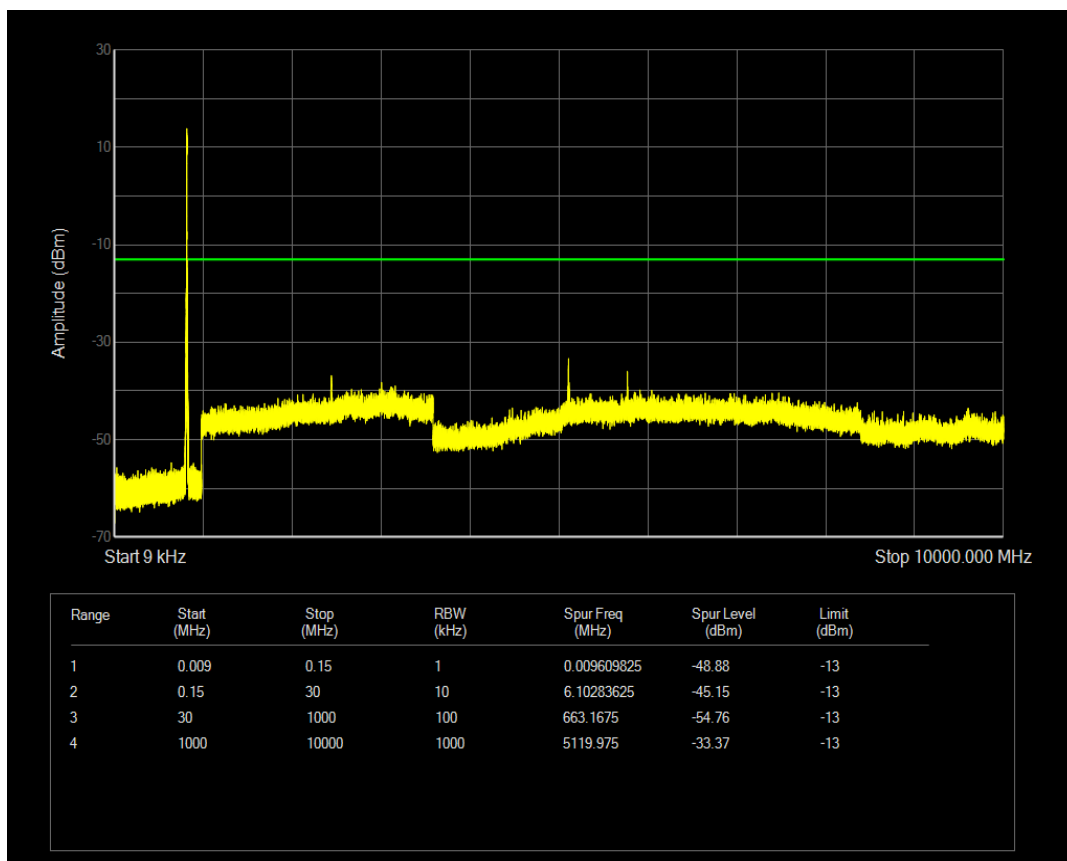




Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0

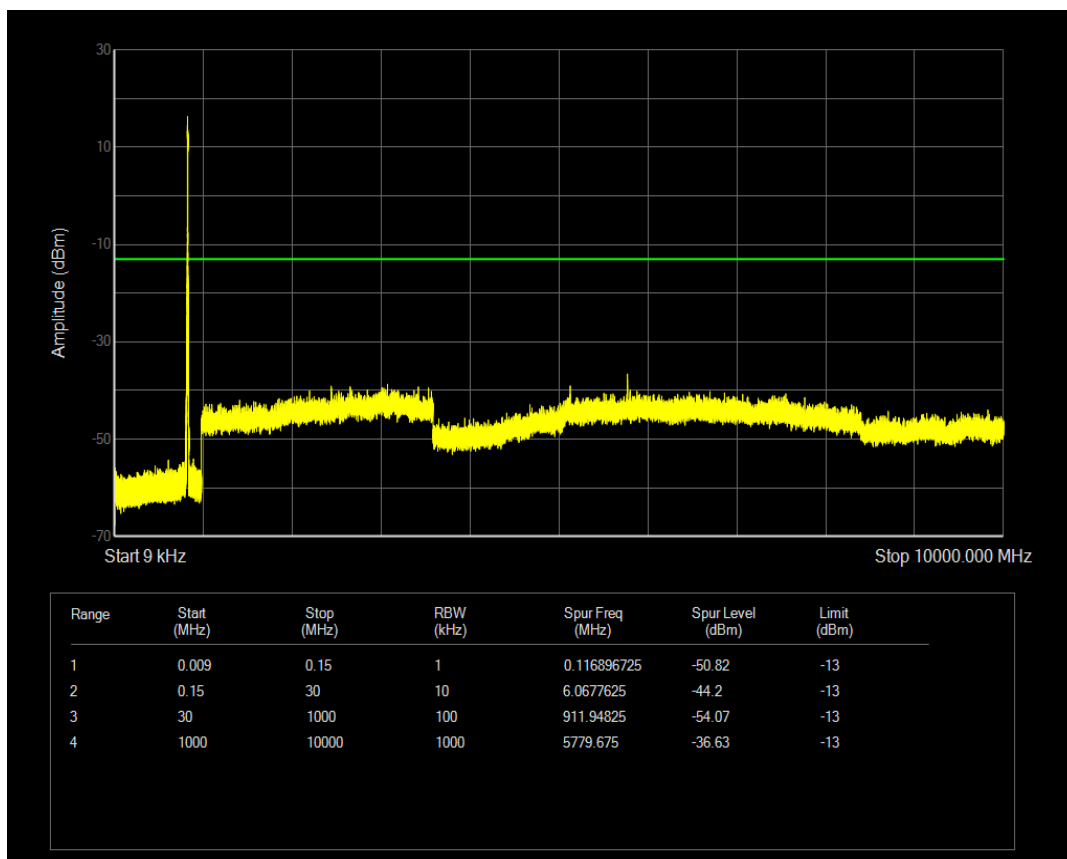


Band5 16QAM BW=5MHz Channel=20525 RB Size=25 Position=#0

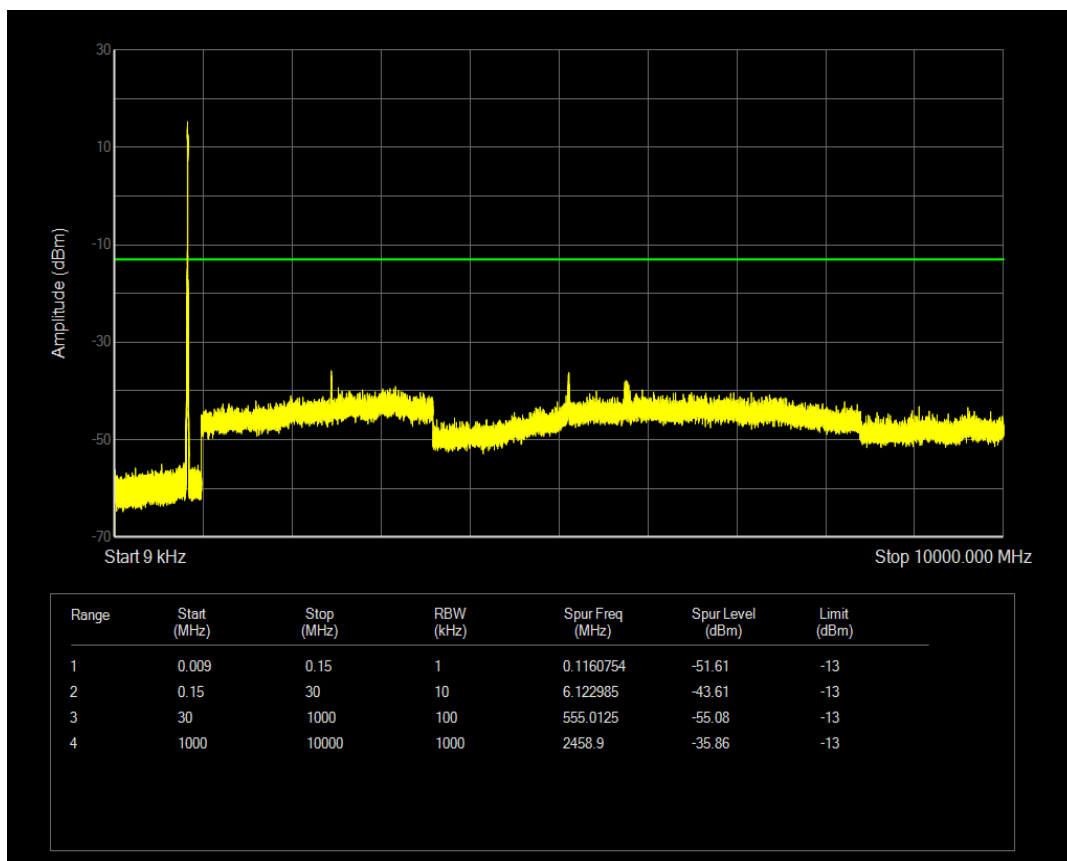




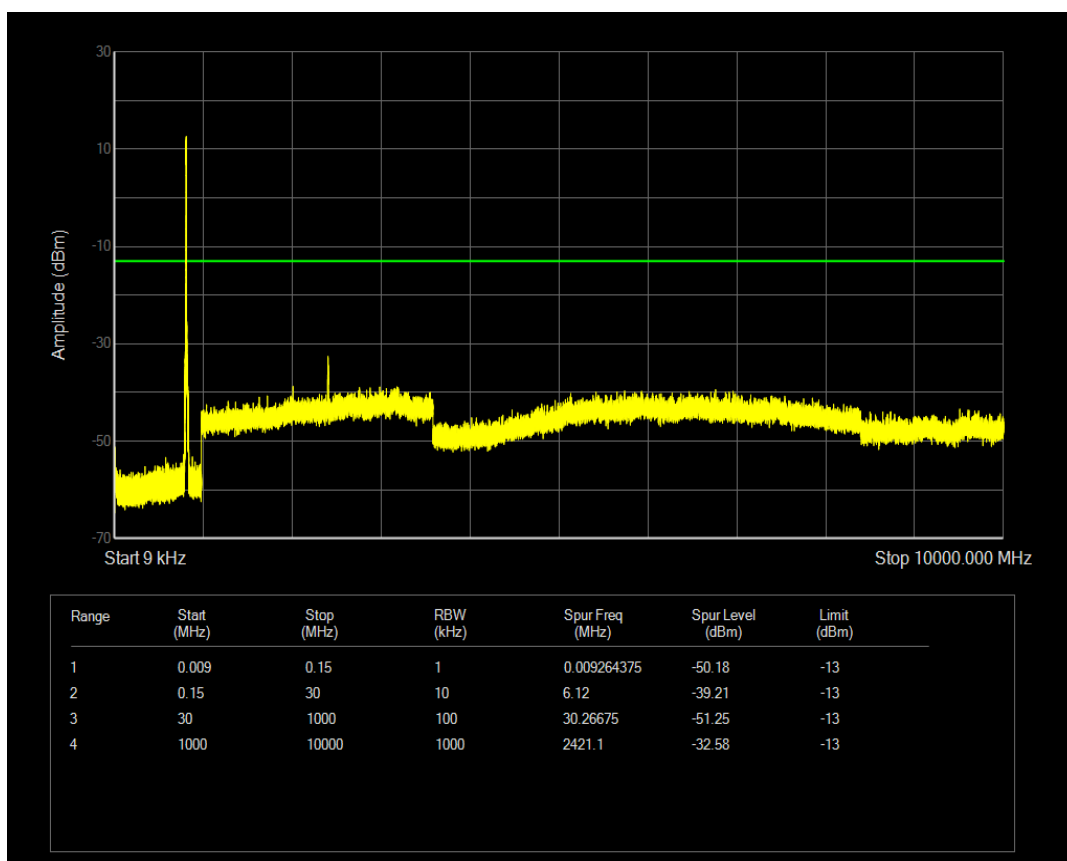
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



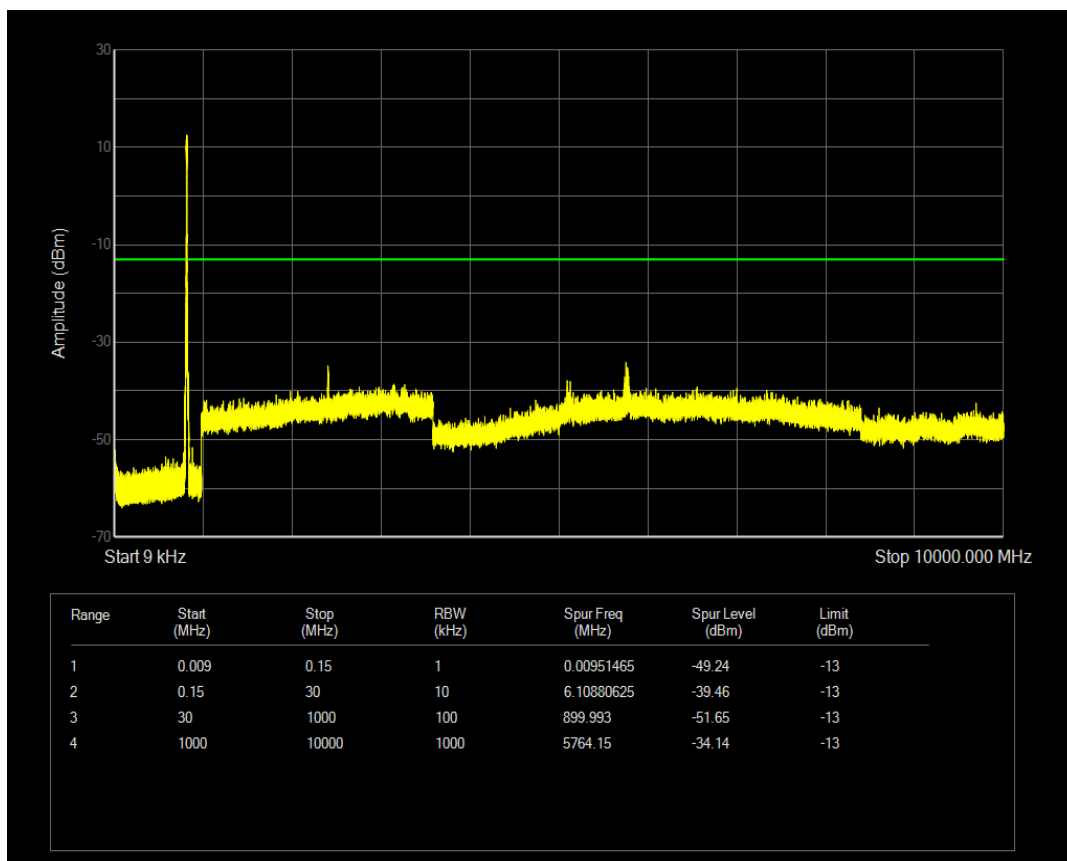
Band5 16QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



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

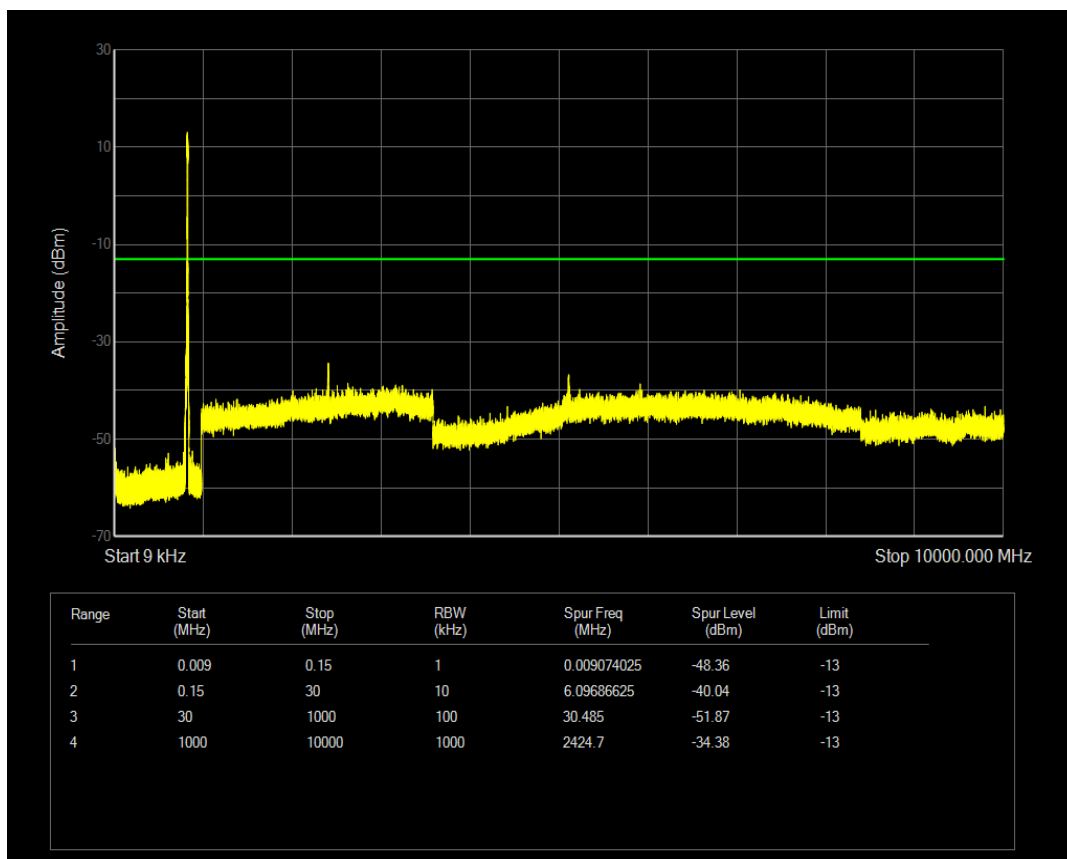


Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0

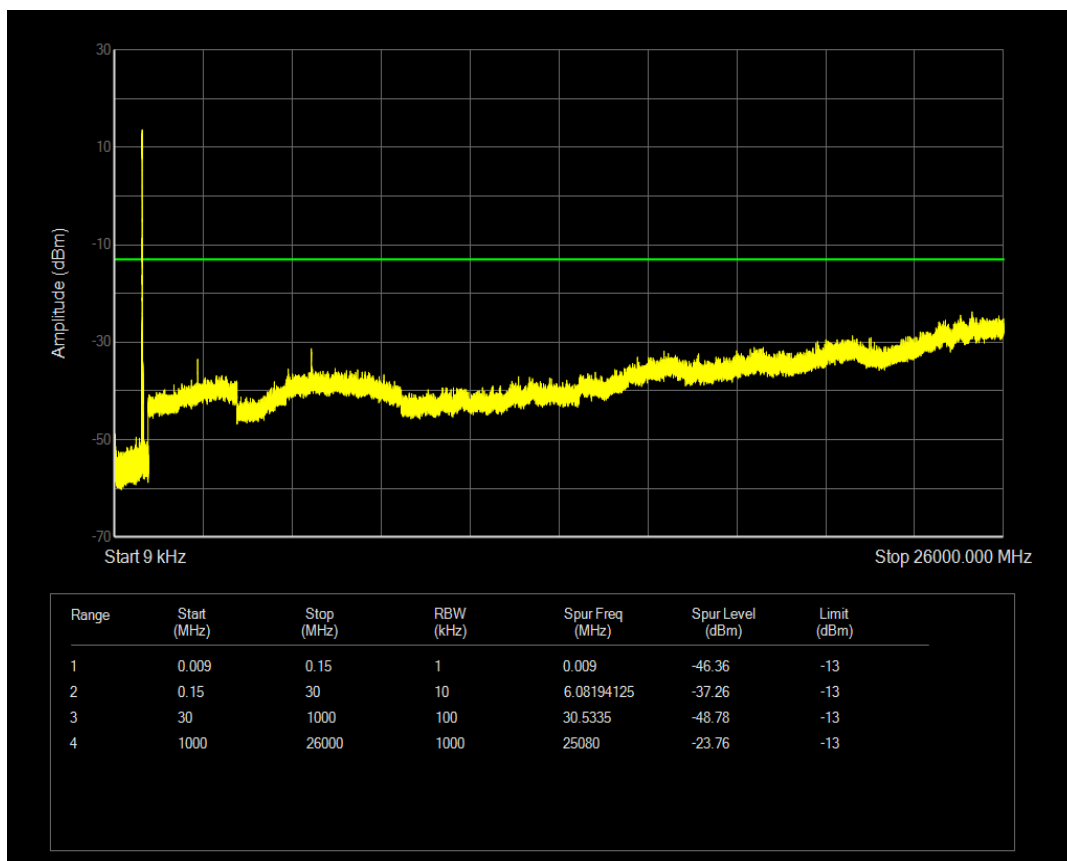




Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0

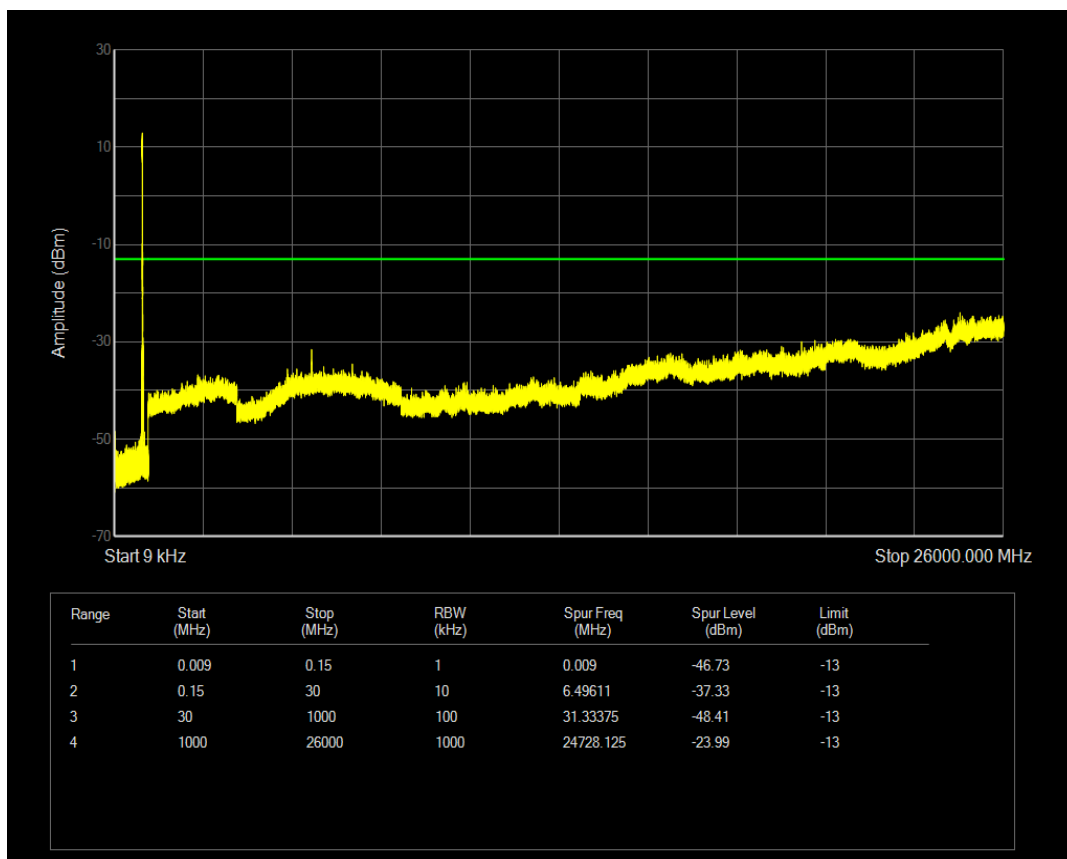


Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0





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



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

