

Band 41

Report No.: BCTC2207600963-2E

Applicant: Soliton Systems K.K.

Product Name: Multi link Unit

Model/Type
reference: IFC-MLU-G-H

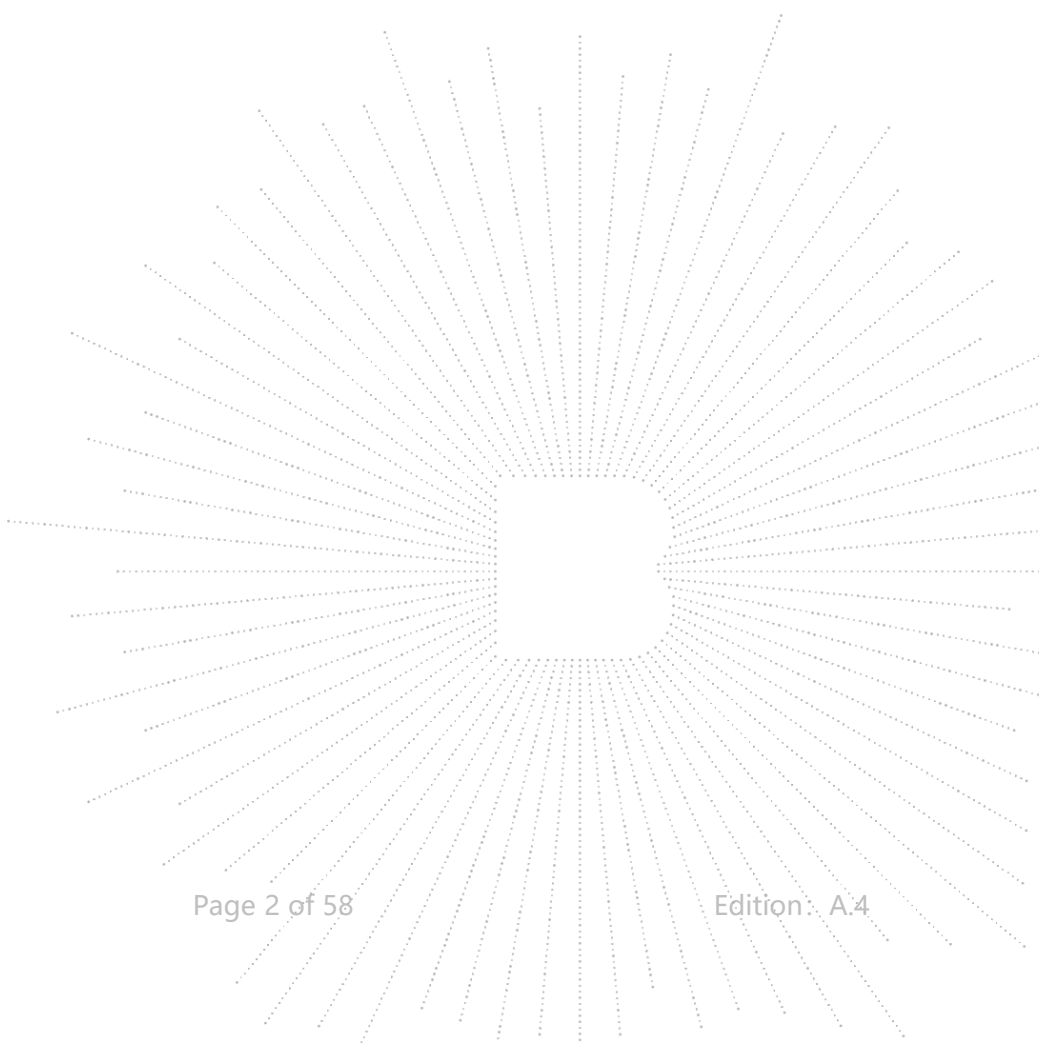
Tested Date: 2022-07-26 to 2022-08-26

Issued Date: 2022-12-08

Shenzhen BCTC Testing Co., Ltd.

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Appendix1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band41	5	39675	1	#0	QPSK	22.35	PASS
Band41	5	39675	1	#Mid	QPSK	22.65	PASS
Band41	5	39675	1	#Max	QPSK	22.36	PASS
Band41	5	39675	12	#0	QPSK	21.41	PASS
Band41	5	39675	12	#Mid	QPSK	21.45	PASS
Band41	5	39675	12	#Max	QPSK	21.47	PASS
Band41	5	39675	25	#0	QPSK	21.45	PASS
Band41	5	39675	1	#0	QAM16	21.22	PASS
Band41	5	39675	1	#Mid	QAM16	21.50	PASS
Band41	5	39675	1	#Max	QAM16	21.25	PASS
Band41	5	39675	12	#0	QAM16	20.55	PASS
Band41	5	39675	12	#Mid	QAM16	20.57	PASS
Band41	5	39675	12	#Max	QAM16	20.62	PASS
Band41	5	39675	25	#0	QAM16	20.60	PASS
Band41	5	40620	1	#0	QPSK	21.84	PASS
Band41	5	40620	1	#Mid	QPSK	22.36	PASS
Band41	5	40620	1	#Max	QPSK	21.81	PASS
Band41	5	40620	12	#0	QPSK	21.06	PASS
Band41	5	40620	12	#Mid	QPSK	21.09	PASS
Band41	5	40620	12	#Max	QPSK	21.02	PASS
Band41	5	40620	25	#0	QPSK	21.08	PASS
Band41	5	40620	1	#0	QAM16	20.77	PASS
Band41	5	40620	1	#Mid	QAM16	21.15	PASS
Band41	5	40620	1	#Max	QAM16	20.70	PASS
Band41	5	40620	12	#0	QAM16	20.03	PASS
Band41	5	40620	12	#Mid	QAM16	20.07	PASS
Band41	5	40620	12	#Max	QAM16	20.06	PASS
Band41	5	40620	25	#0	QAM16	20.08	PASS
Band41	5	41565	1	#0	QPSK	21.49	PASS
Band41	5	41565	1	#Mid	QPSK	21.76	PASS
Band41	5	41565	1	#Max	QPSK	21.45	PASS
Band41	5	41565	12	#0	QPSK	20.78	PASS
Band41	5	41565	12	#Mid	QPSK	20.88	PASS
Band41	5	41565	12	#Max	QPSK	20.89	PASS
Band41	5	41565	25	#0	QPSK	20.84	PASS
Band41	5	41565	1	#0	QAM16	20.73	PASS
Band41	5	41565	1	#Mid	QAM16	20.77	PASS
Band41	5	41565	1	#Max	QAM16	20.50	PASS
Band41	5	41565	12	#0	QAM16	19.74	PASS

Band41	5	41565	12	#Mid	QAM16	19.77	PASS
Band41	5	41565	12	#Max	QAM16	19.82	PASS
Band41	5	41565	25	#0	QAM16	19.77	PASS
Band41	10	39700	1	#0	QPSK	22.46	PASS
Band41	10	39700	1	#Mid	QPSK	22.61	PASS
Band41	10	39700	1	#Max	QPSK	22.48	PASS
Band41	10	39700	25	#0	QPSK	21.44	PASS
Band41	10	39700	25	#Mid	QPSK	21.42	PASS
Band41	10	39700	25	#Max	QPSK	21.54	PASS
Band41	10	39700	50	#0	QPSK	21.54	PASS
Band41	10	39700	1	#0	QAM16	21.26	PASS
Band41	10	39700	1	#Mid	QAM16	21.30	PASS
Band41	10	39700	1	#Max	QAM16	21.40	PASS
Band41	10	39700	25	#0	QAM16	20.54	PASS
Band41	10	39700	25	#Mid	QAM16	20.62	PASS
Band41	10	39700	25	#Max	QAM16	20.62	PASS
Band41	10	39700	50	#0	QAM16	20.60	PASS
Band41	10	40620	1	#0	QPSK	22.00	PASS
Band41	10	40620	1	#Mid	QPSK	22.12	PASS
Band41	10	40620	1	#Max	QPSK	21.77	PASS
Band41	10	40620	25	#0	QPSK	20.97	PASS
Band41	10	40620	25	#Mid	QPSK	21.13	PASS
Band41	10	40620	25	#Max	QPSK	20.94	PASS
Band41	10	40620	50	#0	QPSK	20.99	PASS
Band41	10	40620	1	#0	QAM16	21.07	PASS
Band41	10	40620	1	#Mid	QAM16	21.12	PASS
Band41	10	40620	1	#Max	QAM16	20.81	PASS
Band41	10	40620	25	#0	QAM16	20.07	PASS
Band41	10	40620	25	#Mid	QAM16	20.16	PASS
Band41	10	40620	25	#Max	QAM16	20.06	PASS
Band41	10	40620	50	#0	QAM16	20.19	PASS
Band41	10	41540	1	#0	QPSK	21.64	PASS
Band41	10	41540	1	#Mid	QPSK	21.67	PASS
Band41	10	41540	1	#Max	QPSK	21.42	PASS
Band41	10	41540	25	#0	QPSK	20.71	PASS
Band41	10	41540	25	#Mid	QPSK	20.69	PASS
Band41	10	41540	25	#Max	QPSK	20.62	PASS
Band41	10	41540	50	#0	QPSK	20.66	PASS
Band41	10	41540	1	#0	QAM16	20.45	PASS
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Band41	10	41540	25	#0	QAM16	19.71	PASS
Band41	10	41540	25	#Mid	QAM16	19.68	PASS
Band41	10	41540	25	#Max	QAM16	19.71	PASS

Band41	10	41540	50	#0	QAM16	19.69	PASS
Band41	15	39725	1	#0	QPSK	22.39	PASS
Band41	15	39725	1	#Mid	QPSK	22.56	PASS
Band41	15	39725	1	#Max	QPSK	22.36	PASS
Band41	15	39725	36	#0	QPSK	21.25	PASS
Band41	15	39725	36	#Mid	QPSK	21.22	PASS
Band41	15	39725	36	#Max	QPSK	21.24	PASS
Band41	15	39725	75	#0	QPSK	21.22	PASS
Band41	15	39725	1	#0	QAM16	21.13	PASS
Band41	15	39725	1	#Mid	QAM16	21.32	PASS
Band41	15	39725	1	#Max	QAM16	21.14	PASS
Band41	15	39725	36	#0	QAM16	20.33	PASS
Band41	15	39725	36	#Mid	QAM16	20.38	PASS
Band41	15	39725	36	#Max	QAM16	20.36	PASS
Band41	15	39725	75	#0	QAM16	20.32	PASS
Band41	15	40620	1	#0	QPSK	22.04	PASS
Band41	15	40620	1	#Mid	QPSK	22.06	PASS
Band41	15	40620	1	#Max	QPSK	21.66	PASS
Band41	15	40620	36	#0	QPSK	20.94	PASS
Band41	15	40620	36	#Mid	QPSK	20.89	PASS
Band41	15	40620	36	#Max	QPSK	20.81	PASS
Band41	15	40620	75	#0	QPSK	20.81	PASS
Band41	15	40620	1	#0	QAM16	21.14	PASS
Band41	15	40620	1	#Mid	QAM16	21.09	PASS
Band41	15	40620	1	#Max	QAM16	20.76	PASS
Band41	15	40620	36	#0	QAM16	20.10	PASS
Band41	15	40620	36	#Mid	QAM16	20.05	PASS
Band41	15	40620	36	#Max	QAM16	19.87	PASS
Band41	15	40620	75	#0	QAM16	19.93	PASS
Band41	15	41515	1	#0	QPSK	21.67	PASS
Band41	15	41515	1	#Mid	QPSK	21.81	PASS
Band41	15	41515	1	#Max	QPSK	21.45	PASS
Band41	15	41515	36	#0	QPSK	20.70	PASS
Band41	15	41515	36	#Mid	QPSK	20.68	PASS
Band41	15	41515	36	#Max	QPSK	20.57	PASS
Band41	15	41515	75	#0	QPSK	20.64	PASS
Band41	15	41515	1	#0	QAM16	20.64	PASS
Band41	15	41515	1	#Mid	QAM16	20.78	PASS
Band41	15	41515	1	#Max	QAM16	20.51	PASS
Band41	15	41515	36	#0	QAM16	19.65	PASS
Band41	15	41515	36	#Mid	QAM16	19.63	PASS
Band41	15	41515	36	#Max	QAM16	19.56	PASS
Band41	15	41515	75	#0	QAM16	19.66	PASS
Band41	20	39750	1	#0	QPSK	22.04	PASS

Band41	20	39750	1	#Mid	QPSK	22.28	PASS
Band41	20	39750	1	#Max	QPSK	22.00	PASS
Band41	20	39750	50	#0	QPSK	21.33	PASS
Band41	20	39750	50	#Mid	QPSK	21.25	PASS
Band41	20	39750	50	#Max	QPSK	21.19	PASS
Band41	20	39750	100	#0	QPSK	21.23	PASS
Band41	20	39750	1	#0	QAM16	20.99	PASS
Band41	20	39750	1	#Mid	QAM16	21.38	PASS
Band41	20	39750	1	#Max	QAM16	20.99	PASS
Band41	20	39750	50	#0	QAM16	20.36	PASS
Band41	20	39750	50	#Mid	QAM16	20.35	PASS
Band41	20	39750	50	#Max	QAM16	20.34	PASS
Band41	20	39750	100	#0	QAM16	20.37	PASS
Band41	20	40620	1	#0	QPSK	21.98	PASS
Band41	20	40620	1	#Mid	QPSK	22.11	PASS
Band41	20	40620	1	#Max	QPSK	21.73	PASS
Band41	20	40620	50	#0	QPSK	21.03	PASS
Band41	20	40620	50	#Mid	QPSK	21.00	PASS
Band41	20	40620	50	#Max	QPSK	20.78	PASS
Band41	20	40620	100	#0	QPSK	20.85	PASS
Band41	20	40620	1	#0	QAM16	20.54	PASS
Band41	20	40620	1	#Mid	QAM16	20.70	PASS
Band41	20	40620	1	#Max	QAM16	20.36	PASS
Band41	20	40620	50	#0	QAM16	20.13	PASS
Band41	20	40620	50	#Mid	QAM16	20.10	PASS
Band41	20	40620	50	#Max	QAM16	19.90	PASS
Band41	20	40620	100	#0	QAM16	19.96	PASS
Band41	20	41490	1	#0	QPSK	21.58	PASS
Band41	20	41490	1	#Mid	QPSK	21.76	PASS
Band41	20	41490	1	#Max	QPSK	21.36	PASS
Band41	20	41490	50	#0	QPSK	20.74	PASS
Band41	20	41490	50	#Mid	QPSK	20.67	PASS
Band41	20	41490	50	#Max	QPSK	20.60	PASS
Band41	20	41490	100	#0	QPSK	20.69	PASS
Band41	20	41490	1	#0	QAM16	20.60	PASS
Band41	20	41490	1	#Mid	QAM16	20.72	PASS
Band41	20	41490	1	#Max	QAM16	20.53	PASS
Band41	20	41490	50	#0	QAM16	19.79	PASS
Band41	20	41490	50	#Mid	QAM16	19.70	PASS
Band41	20	41490	50	#Max	QAM16	19.66	PASS
Band41	20	41490	100	#0	QAM16	19.67	PASS

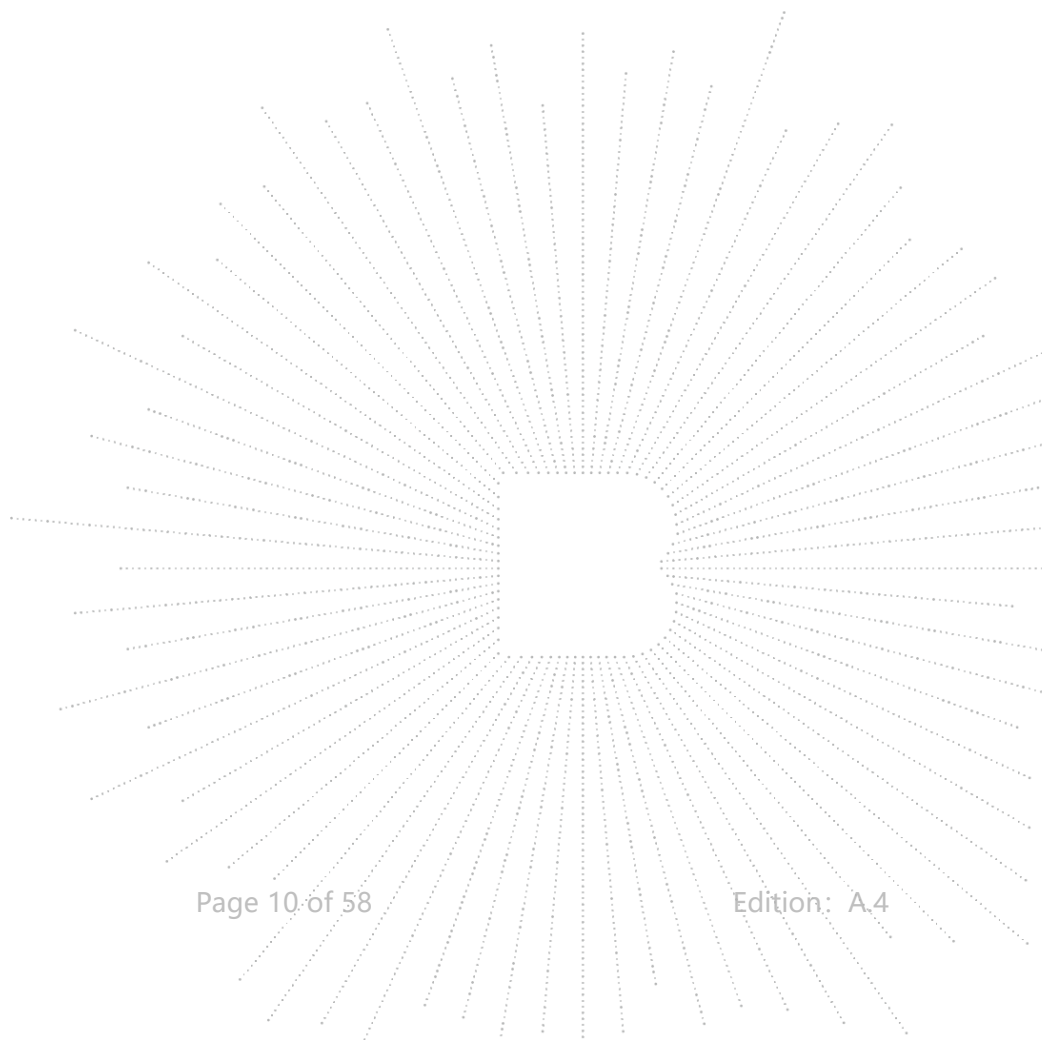
Appendix2. Frequency stability

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
Band4_1	5	39675	25	#0	QPSK	LV	NT	3.69	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	NV	NT	3.50	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	HV	NT	1.83	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	LV	NT	0.43	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	NT	1.17	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	HV	NT	1.49	0.001	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	LV	NT	0.87	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	NT	-1.66	-0.001	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	HV	NT	-0.33	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	LV	NT	0.76	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	NV	NT	-0.46	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	HV	NT	-2.23	-0.001	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QPSK	LV	NT	1.67	0.001	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QPSK	NV	NT	3.58	0.001	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QPSK	HV	NT	2.27	0.001	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QAM16	LV	NT	2.57	0.001	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QAM16	NV	NT	0.83	0.000	-2.5	2.5	PASS
Band4_1	5	41565	25	#0	QAM16	HV	NT	-1.62	-0.001	-2.5	2.5	PASS
Band4	10	39700	50	#0	QPSK	LV	NT	0.96	0.000	-2.5	2.5	PASS

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Band4 1	10	39700	50	#0	QPSK	NV	NT	2.73	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	HV	NT	2.43	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	LV	NT	2.23	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	NT	1.00	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	HV	NT	3.85	0.002	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	LV	NT	0.56	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	NV	NT	0.66	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	HV	NT	0.54	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	LV	NT	2.65	0.001	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	NT	2.09	0.001	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	HV	NT	-0.09	0.000	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	LV	NT	-3.81	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	NT	-4.01	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	HV	NT	-2.16	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	LV	NT	-2.98	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	NT	-4.09	-0.00 2	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	HV	NT	0.96	0.000	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	LV	NT	-3.08	-0.00 1	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	NV	NT	-4.51	-0.00 2	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	HV	NT	-2.47	-0.00 1	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	LV	NT	-2.79	-0.00 1	-2.5	2.5	PASS
Band4	15	39725	75	#0	QAM16	NV	NT	-0.53	0.000	-2.5	2.5	PASS

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Band4 1	15	39725	75	#0	QAM16	HV	NT	-4.06	-0.00 2	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	LV	NT	1.70	0.001	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	NT	0.33	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	HV	NT	0.89	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	LV	NT	2.78	0.001	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	NT	-2.30	-0.00 1	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	HV	NT	2.78	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	LV	NT	2.17	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	NV	NT	2.25	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	HV	NT	2.66	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	LV	NT	3.53	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	NT	2.20	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	HV	NT	4.49	0.002	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	LV	NT	1.02	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	NT	-0.04	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	HV	NT	1.67	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	LV	NT	1.26	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	NT	4.71	0.002	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	HV	NT	0.56	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	LV	NT	0.19	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	NT	-0.99	0.000	-2.5	2.5	PASS
Band4	20	40620	100	#0	QPSK	HV	NT	0.44	0.000	-2.5	2.5	PASS

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Band4 1	20	40620	100	#0	QAM16	LV	NT	1.46	0.001	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	NV	NT	-0.29	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	HV	NT	-1.32	-0.00 1	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	LV	NT	3.38	0.001	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	NT	0.82	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	HV	NT	-1.70	-0.00 1	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	LV	NT	0.86	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	NT	3.33	0.001	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	HV	NT	1.72	0.001	-2.5	2.5	PASS

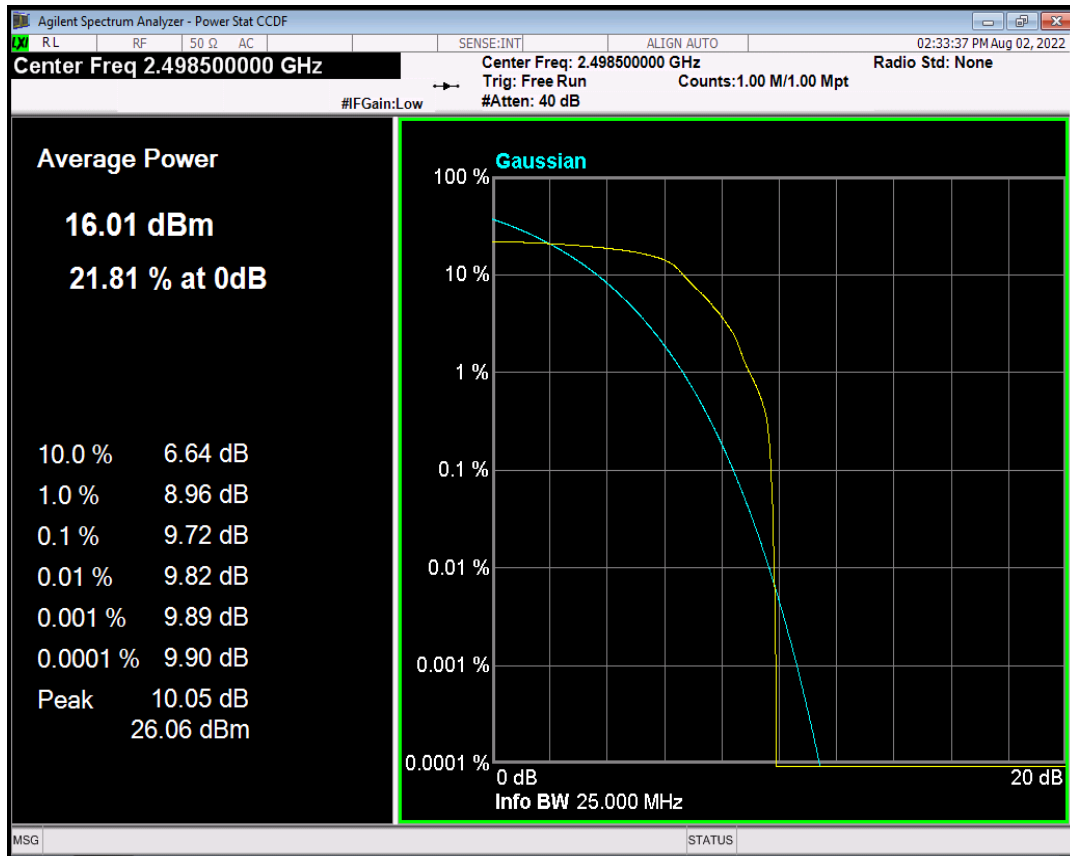


Appendix3. Peak-to-Average Ratio

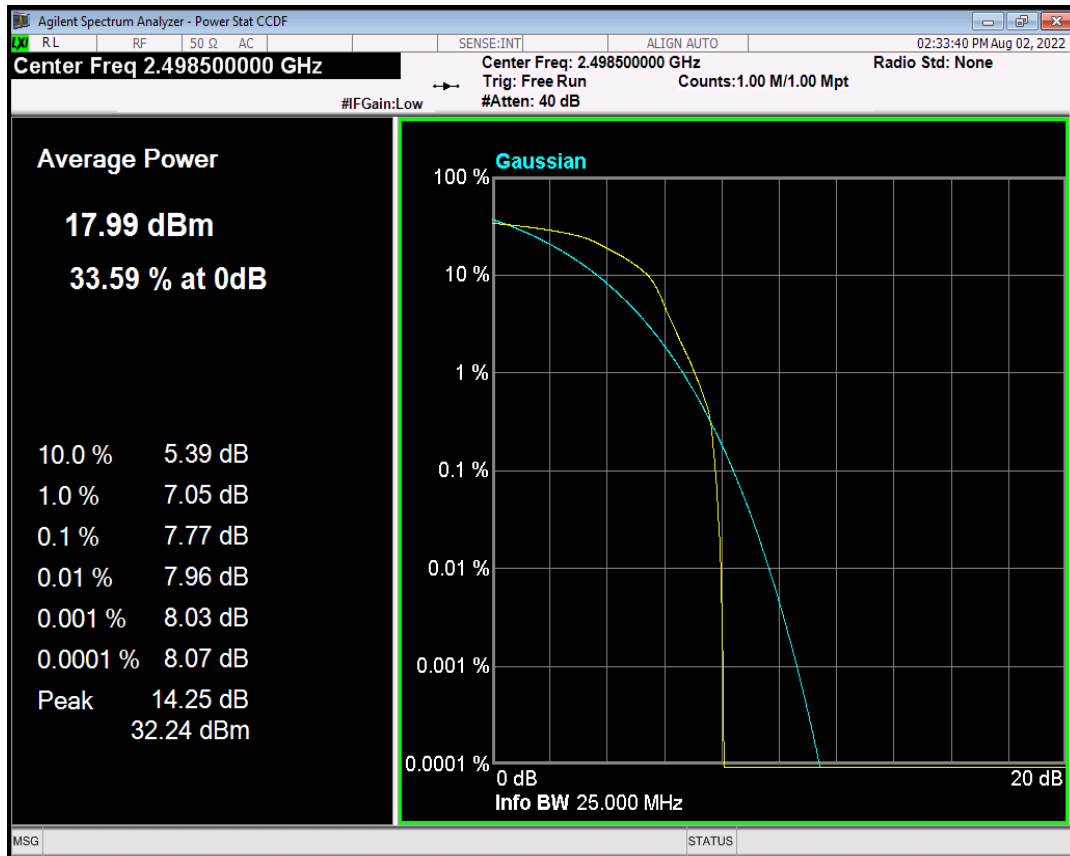
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	39675	1	#0	QPSK	9.72	13	PASS
Band41	5	39675	1	#0	QAM16	7.77	13	PASS
Band41	5	40620	1	#0	QPSK	8.07	13	PASS
Band41	5	40620	1	#0	QAM16	9.07	13	PASS
Band41	5	41565	1	#0	QPSK	9.80	13	PASS
Band41	5	41565	1	#0	QAM16	7.92	13	PASS
Band41	10	39700	1	#0	QPSK	6.62	13	PASS
Band41	10	39700	1	#0	QAM16	8.25	13	PASS
Band41	10	40620	1	#0	QPSK	7.34	13	PASS
Band41	10	40620	1	#0	QAM16	8.64	13	PASS
Band41	10	41540	1	#0	QPSK	6.70	13	PASS
Band41	10	41540	1	#0	QAM16	8.56	13	PASS
Band41	15	39725	1	#0	QPSK	7.02	13	PASS
Band41	15	39725	1	#0	QAM16	8.39	13	PASS
Band41	15	40620	1	#0	QPSK	9.39	13	PASS
Band41	15	40620	1	#0	QAM16	7.77	13	PASS
Band41	15	41515	1	#0	QPSK	8.39	13	PASS
Band41	15	41515	1	#0	QAM16	10.32	13	PASS
Band41	20	39750	1	#0	QPSK	7.54	13	PASS
Band41	20	39750	1	#0	QAM16	6.90	13	PASS
Band41	20	40620	1	#0	QPSK	9.44	13	PASS
Band41	20	40620	1	#0	QAM16	8.80	13	PASS
Band41	20	41490	1	#0	QPSK	7.06	13	PASS
Band41	20	41490	1	#0	QAM16	7.92	13	PASS



Band41 QPSK BW=5MHz Channel=39675 RB Size=1 Position=#0

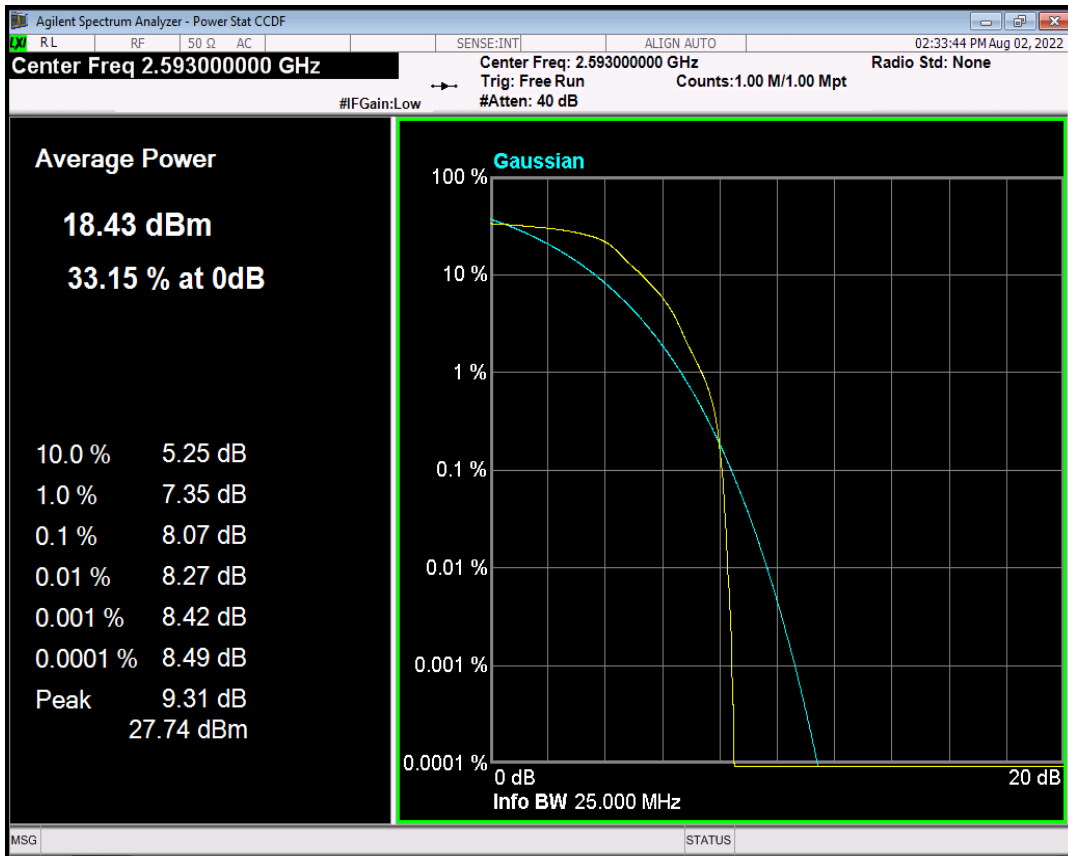


Band41 QAM16 BW=5MHz Channel=39675 RB Size=1 Position=#0

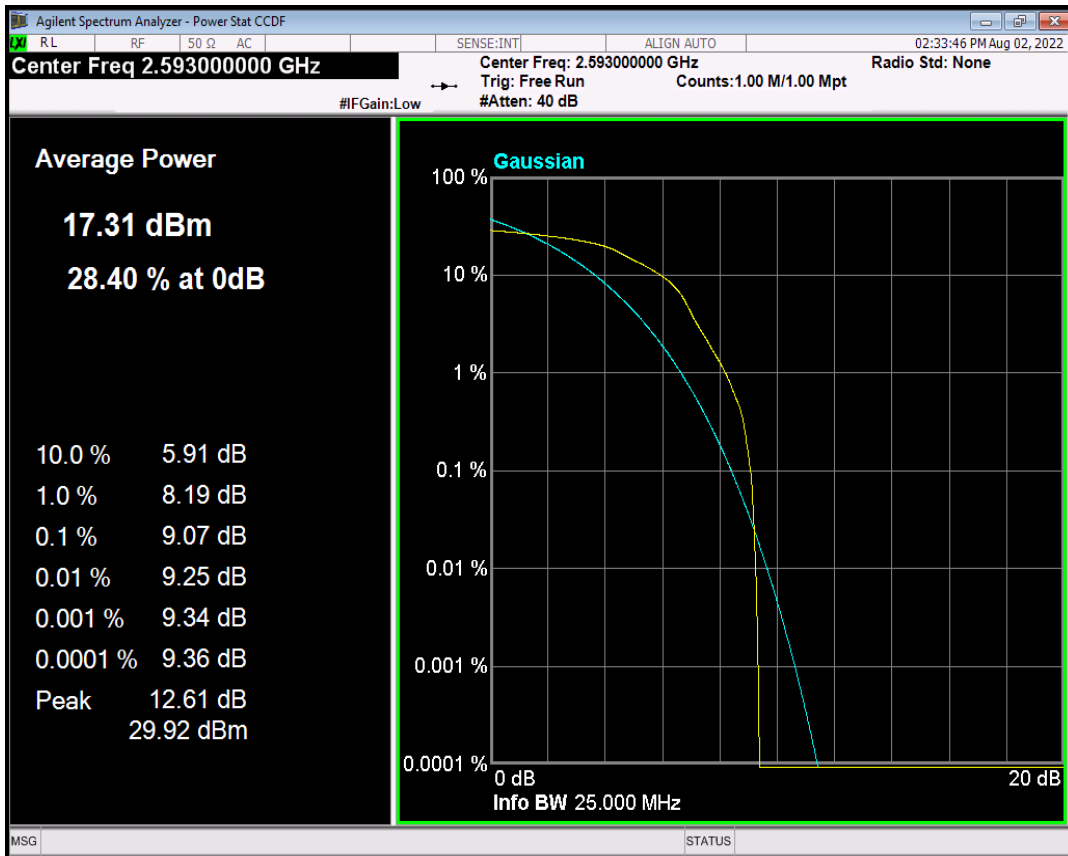




Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0

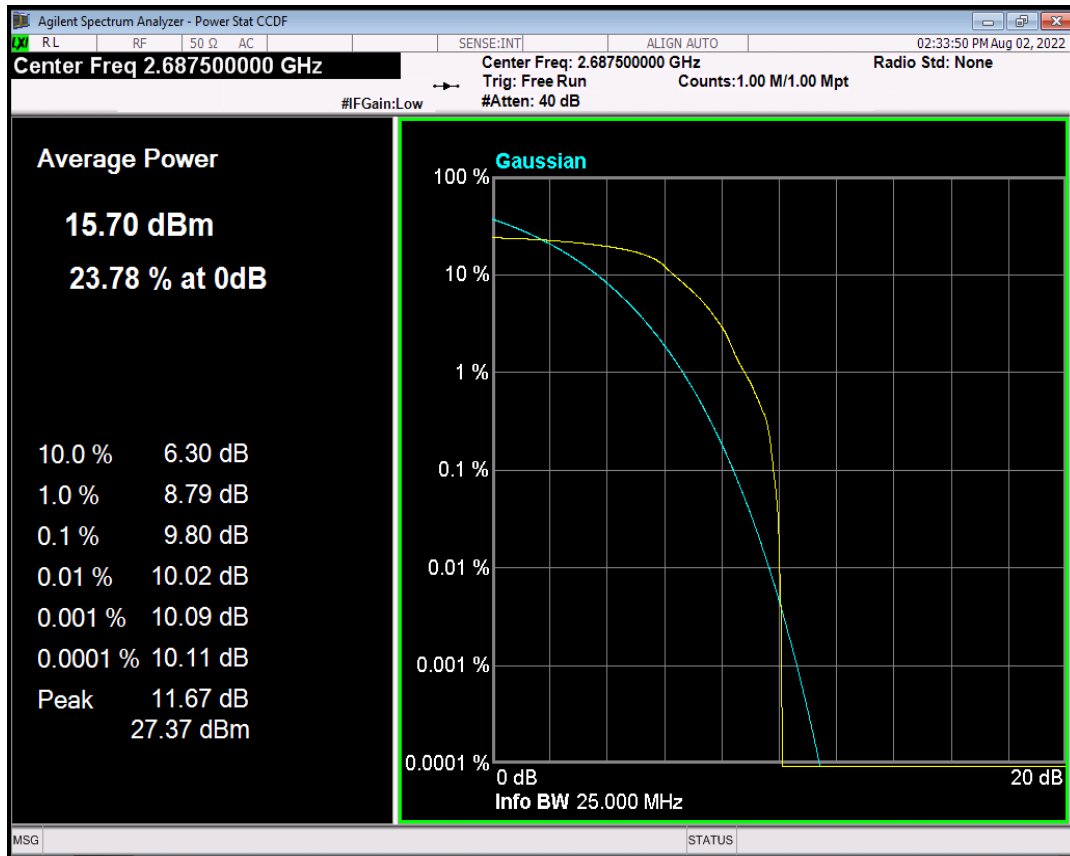


Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0

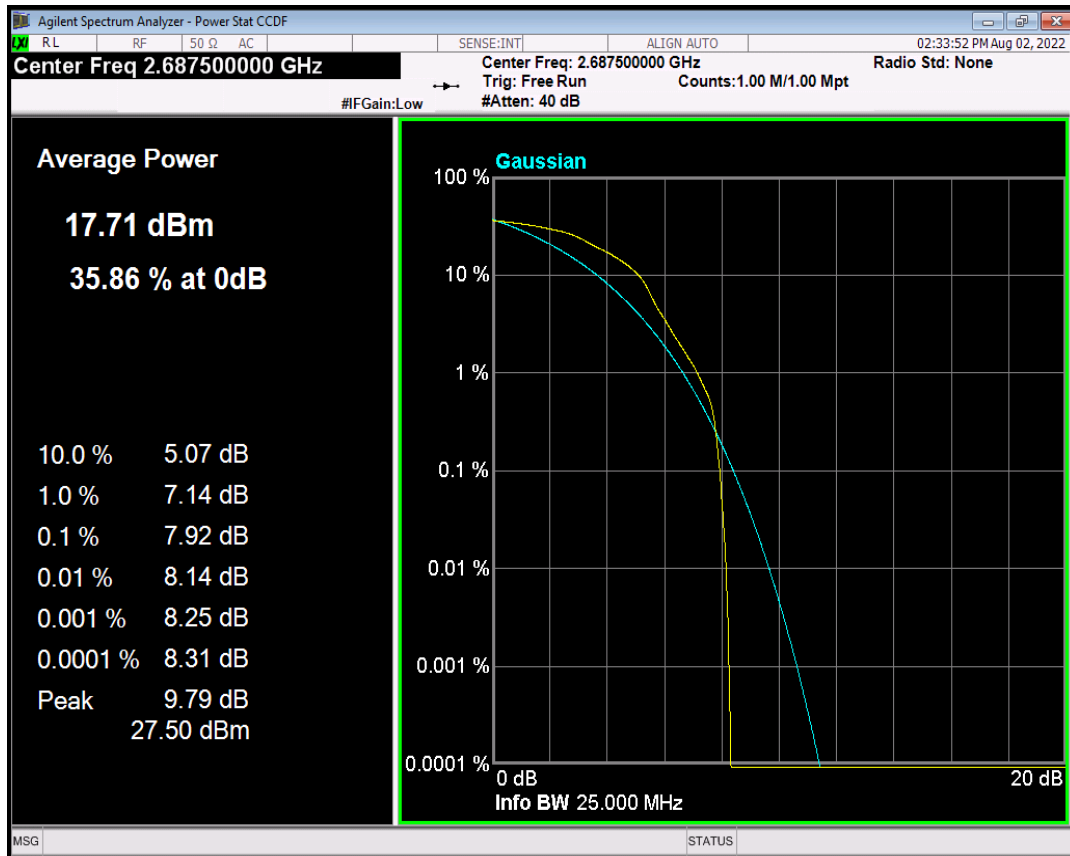




Band41 QPSK BW=5MHz Channel=41565 RB Size=1 Position=#0

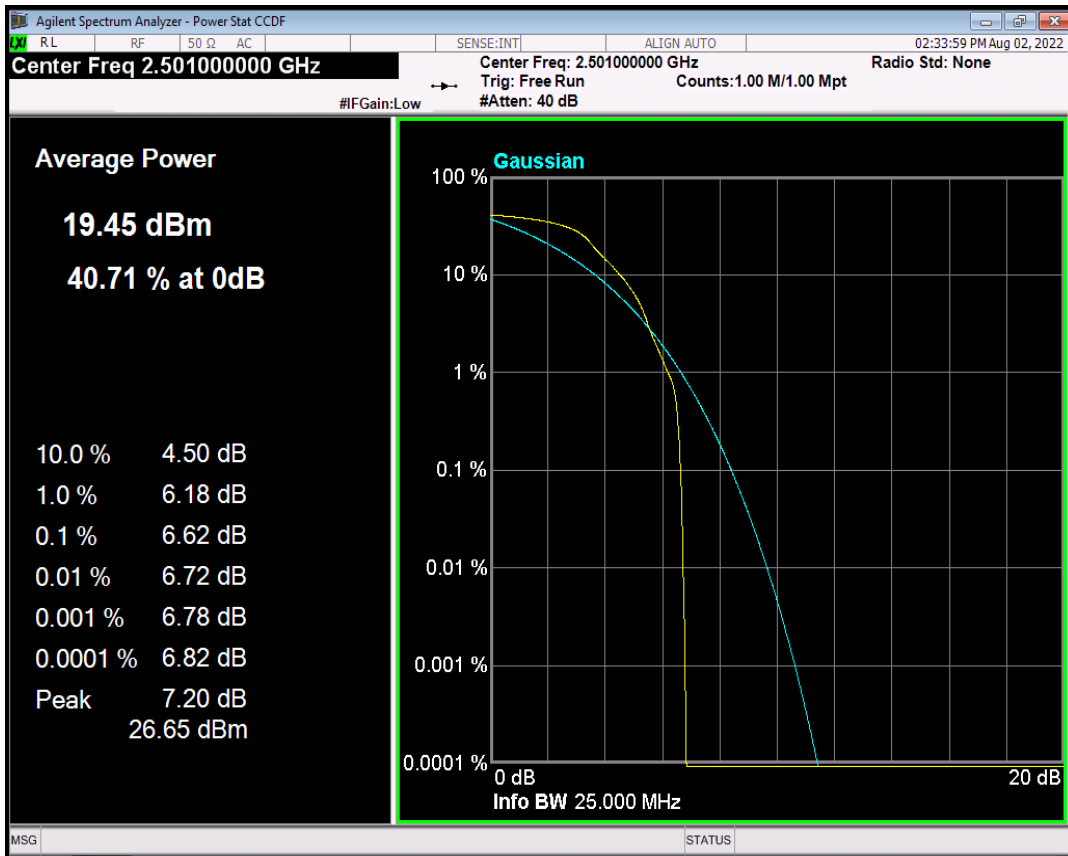


Band41 QAM16 BW=5MHz Channel=41565 RB Size=1 Position=#0

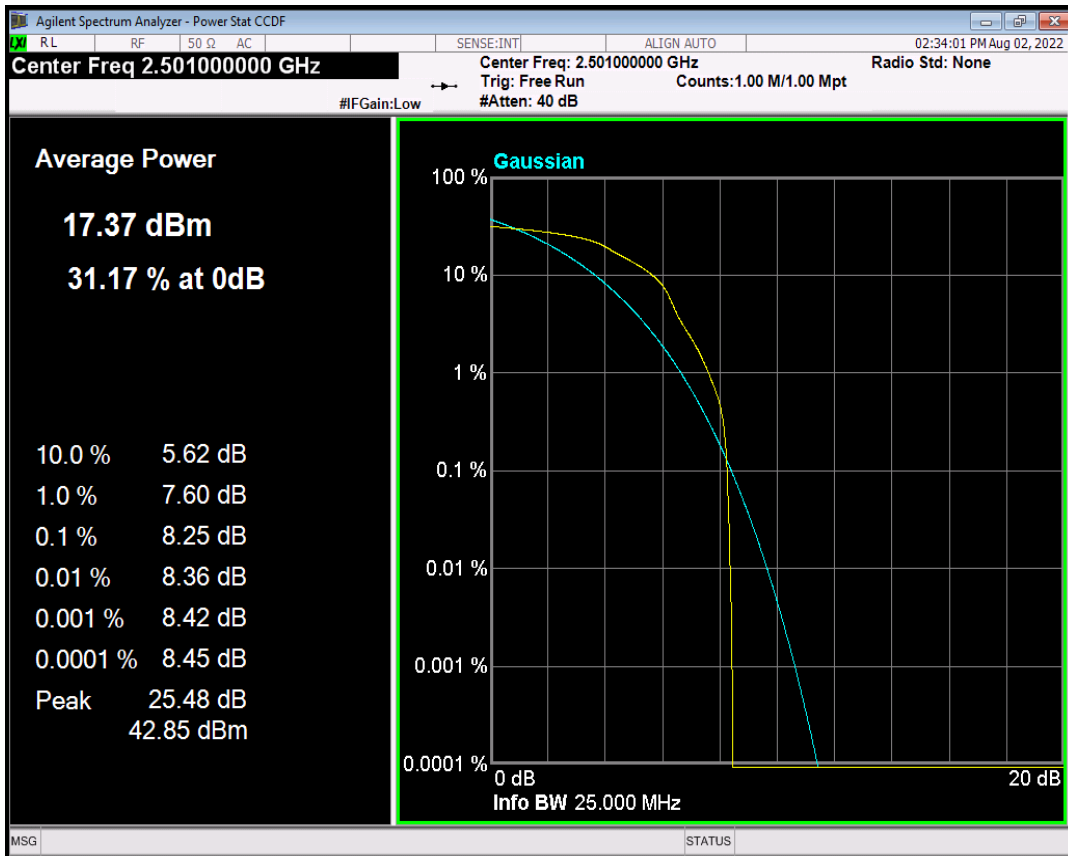




Band41 QPSK BW=10MHz Channel=39700 RB Size=1 Position=#0

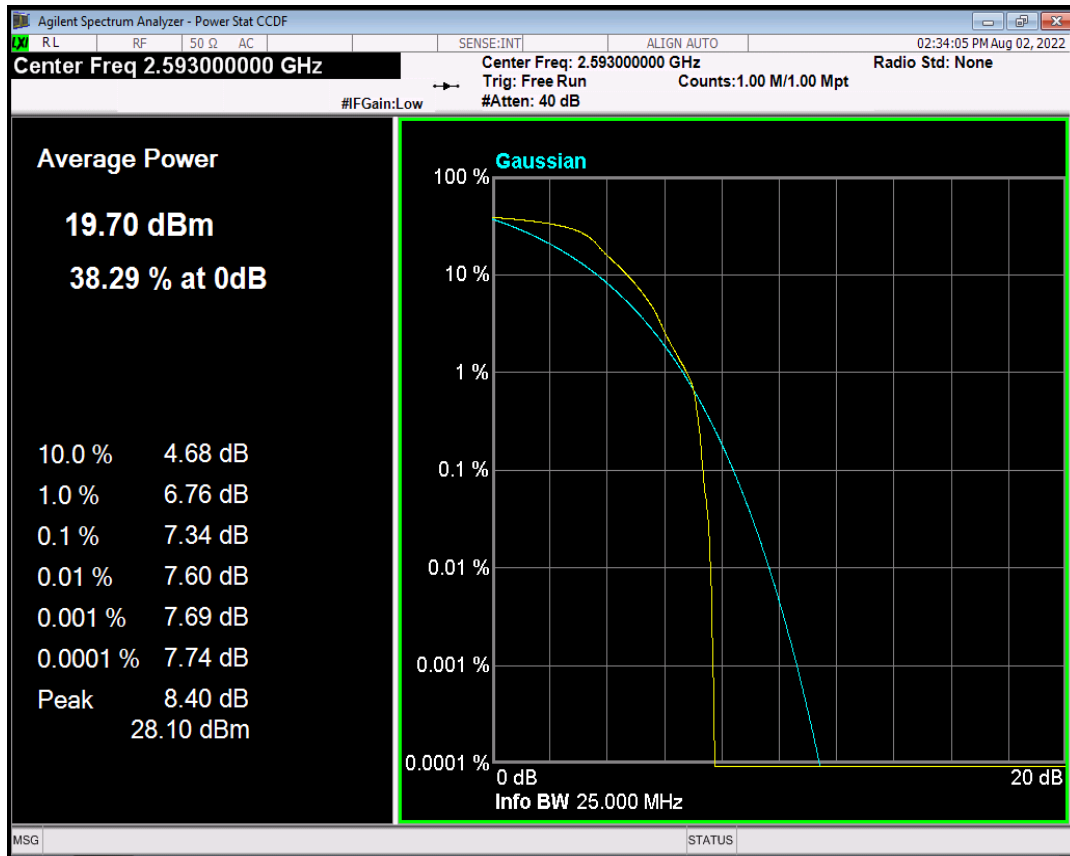


Band41 QAM16 BW=10MHz Channel=39700 RB Size=1 Position=#0

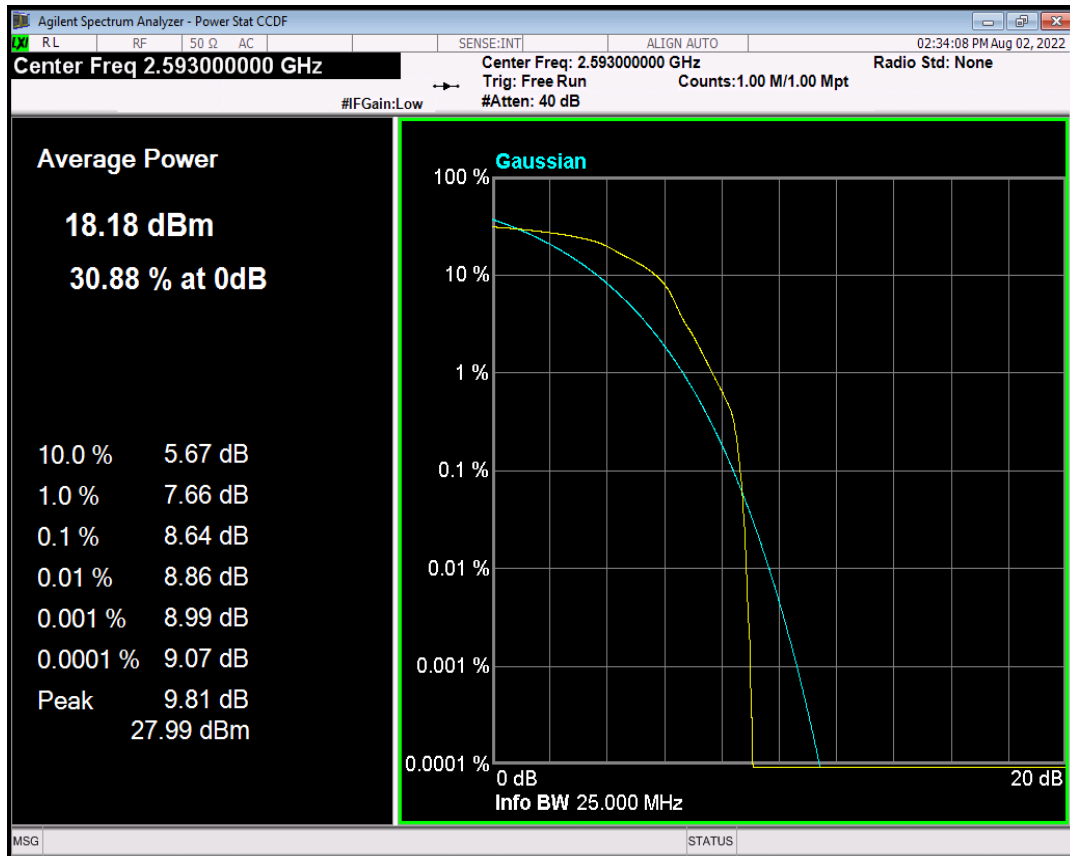




Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0

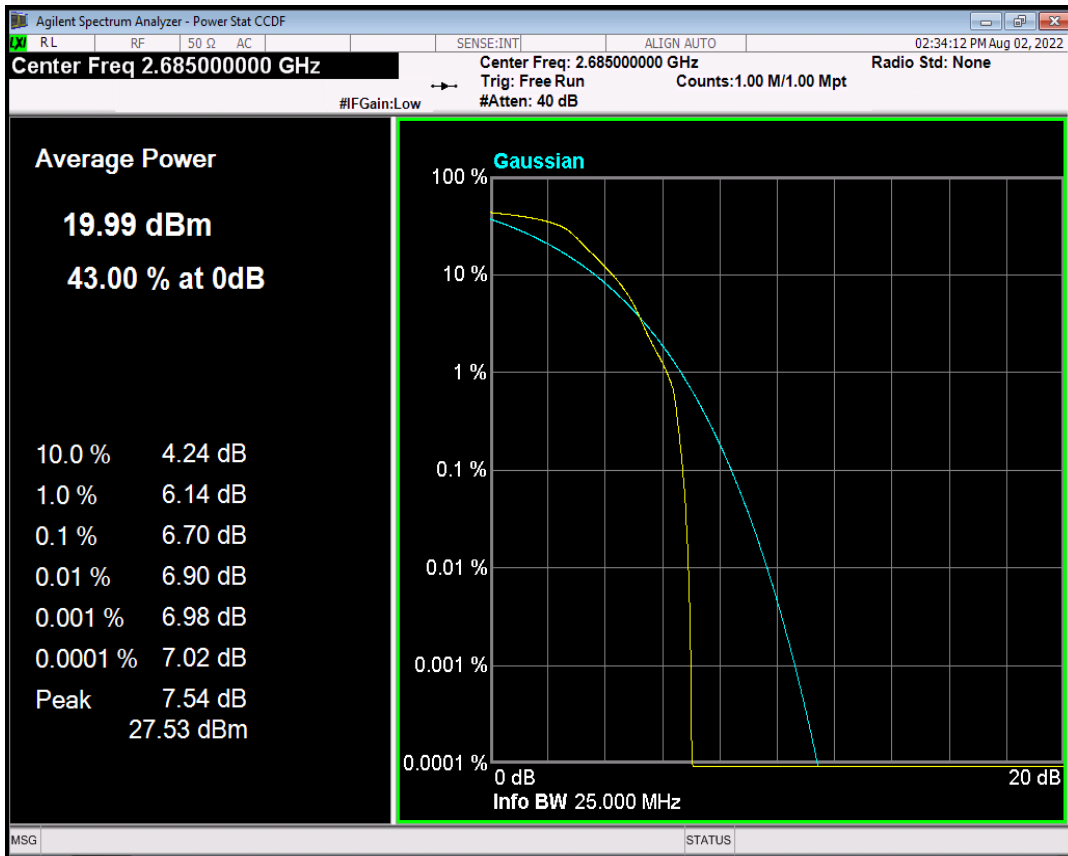


Band41 QAM16 BW=10MHz Channel=40620 RB Size=1 Position=#0

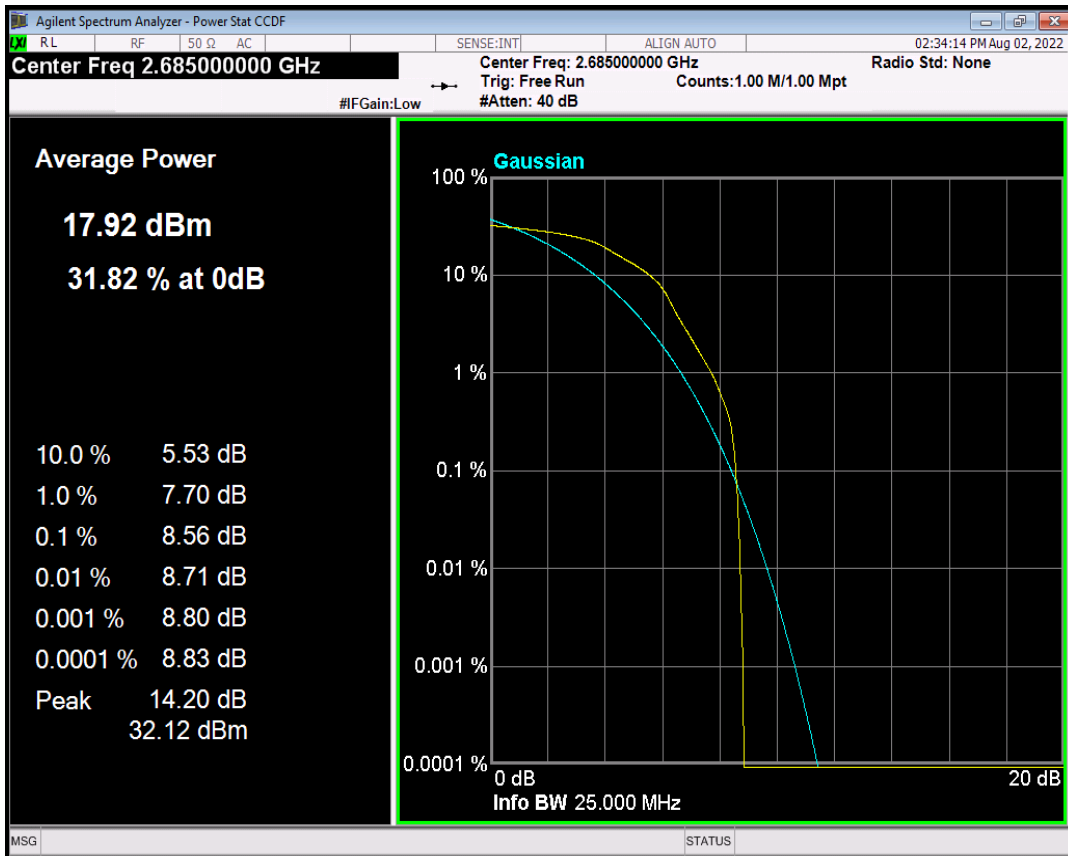




Band41 QPSK BW=10MHz Channel=41540 RB Size=1 Position=#0

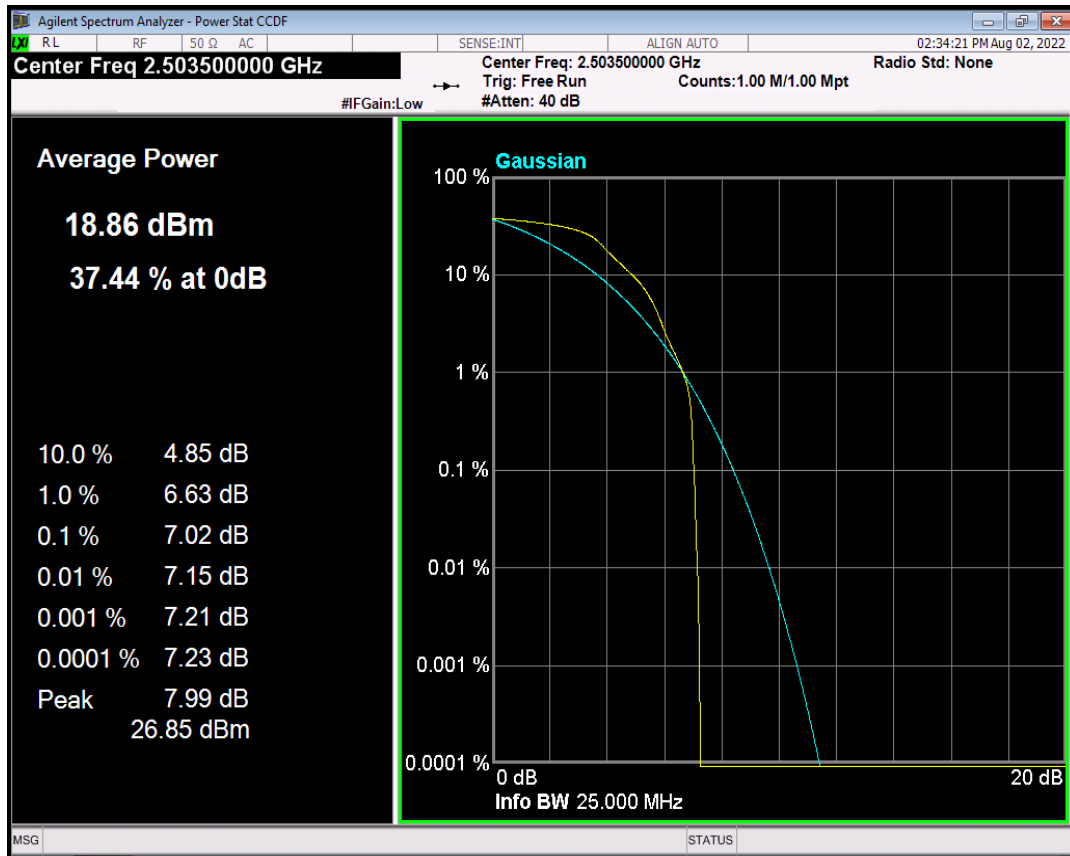


Band41 QAM16 BW=10MHz Channel=41540 RB Size=1 Position=#0

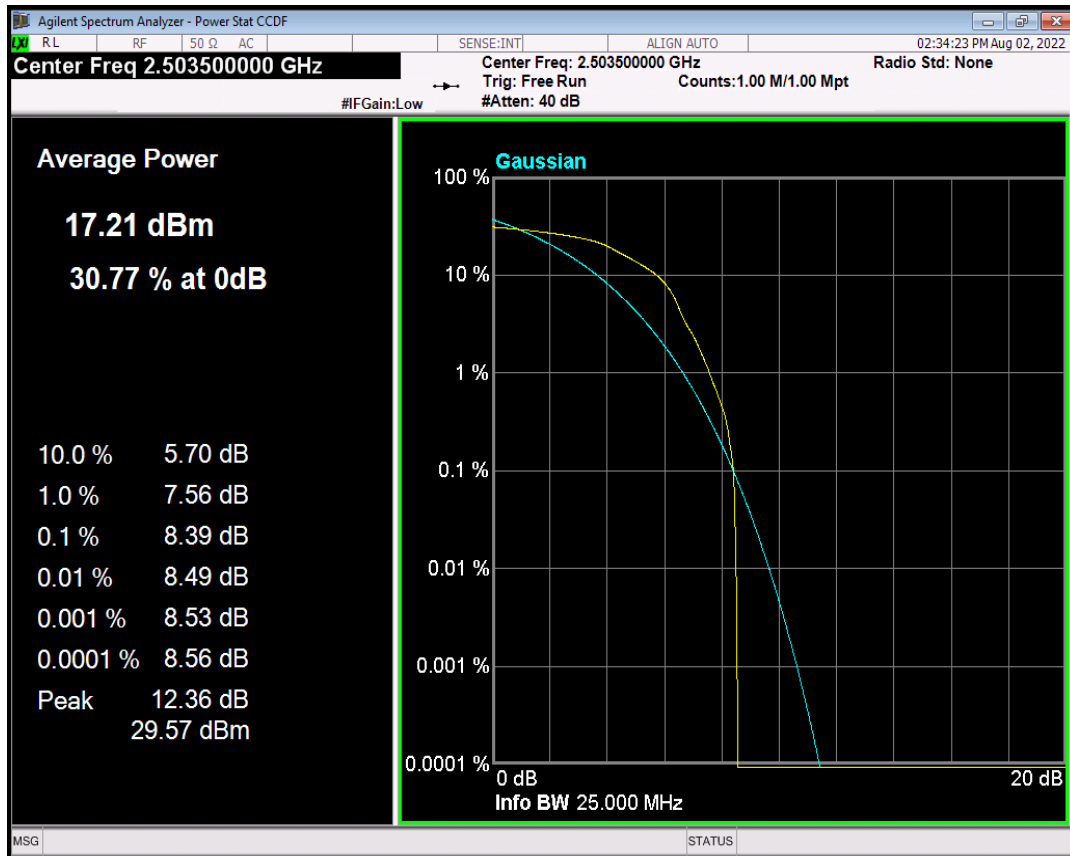




Band41 QPSK BW=15MHz Channel=39725 RB Size=1 Position=#0

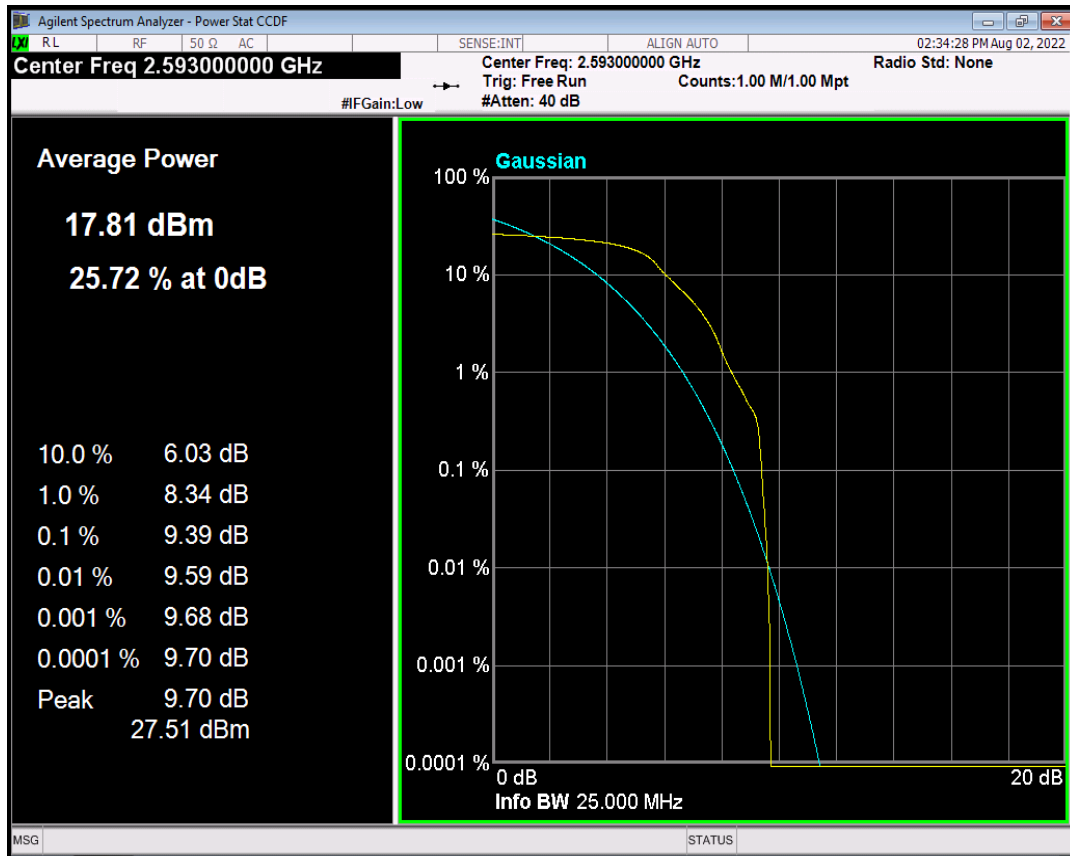


Band41 QAM16 BW=15MHz Channel=39725 RB Size=1 Position=#0

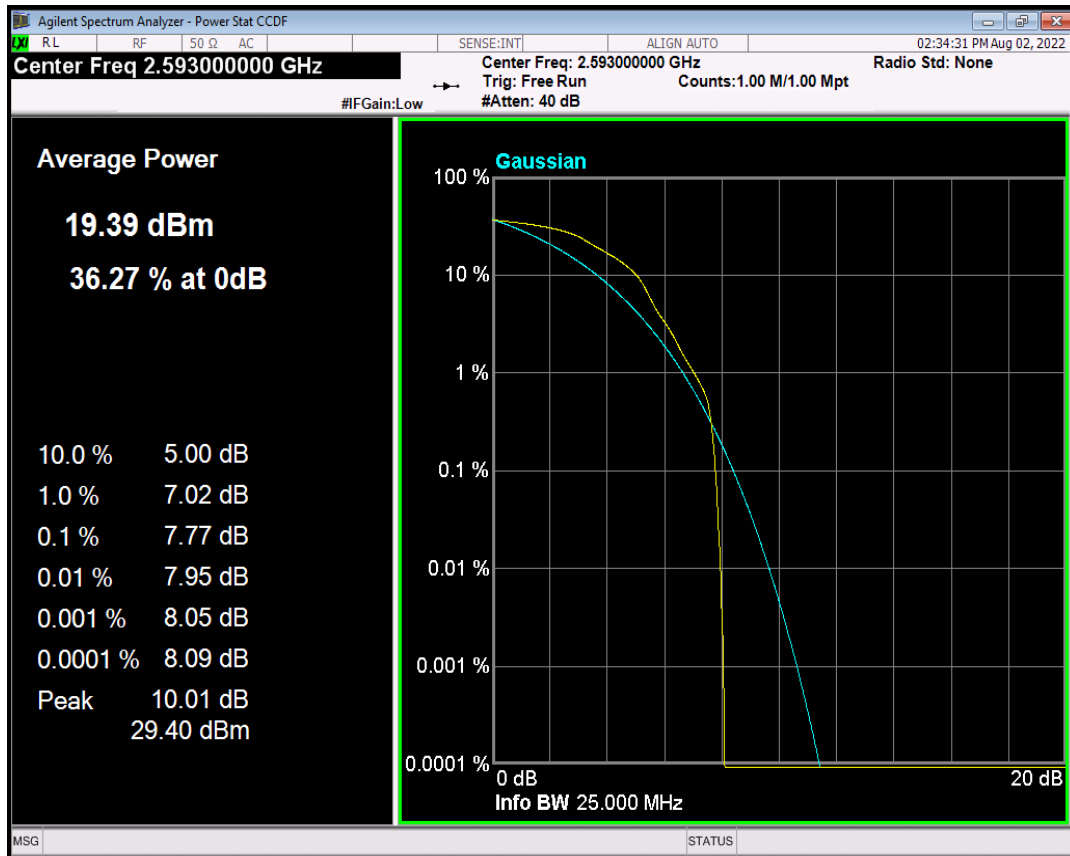




Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0

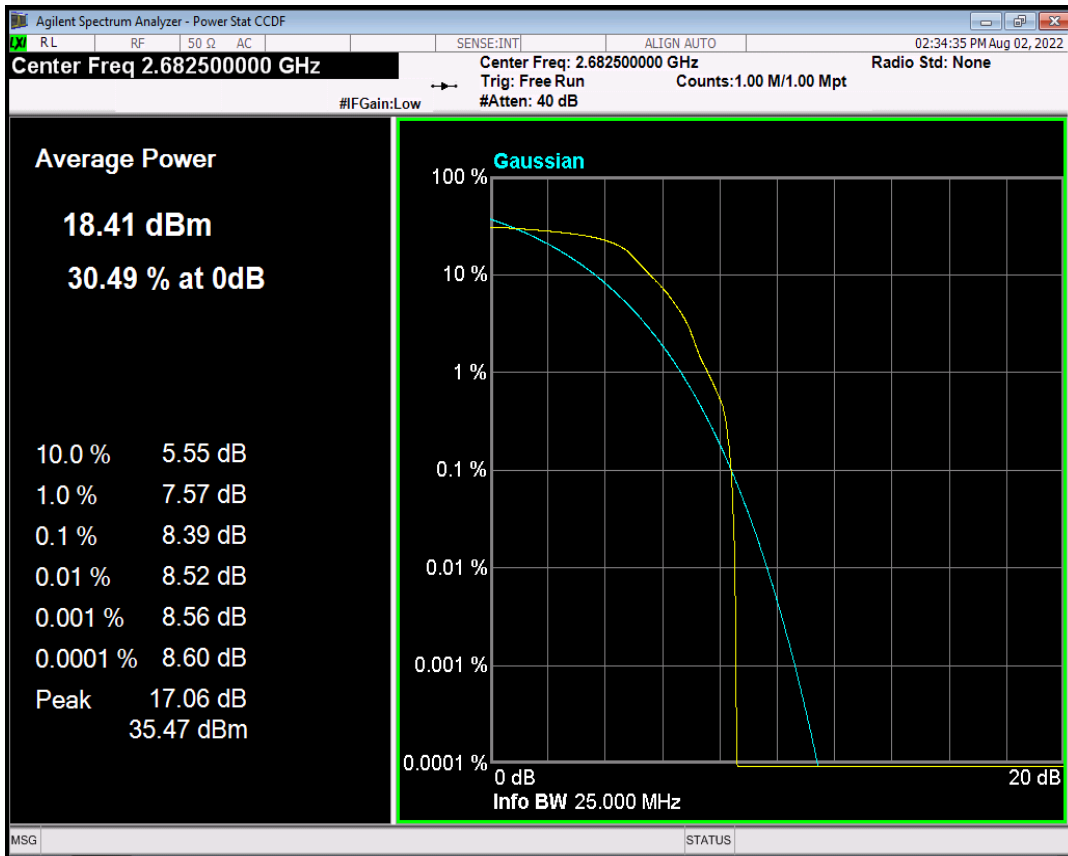


Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0

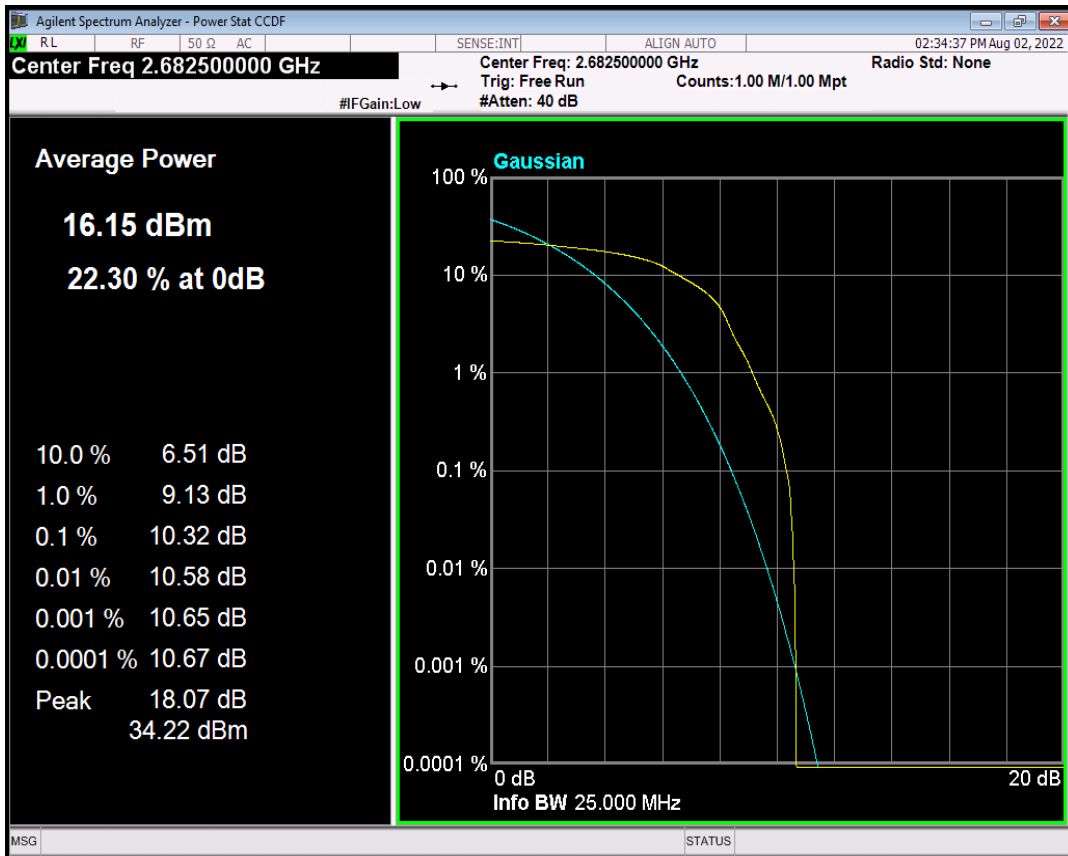




Band41 QPSK BW=15MHz Channel=41515 RB Size=1 Position=#0

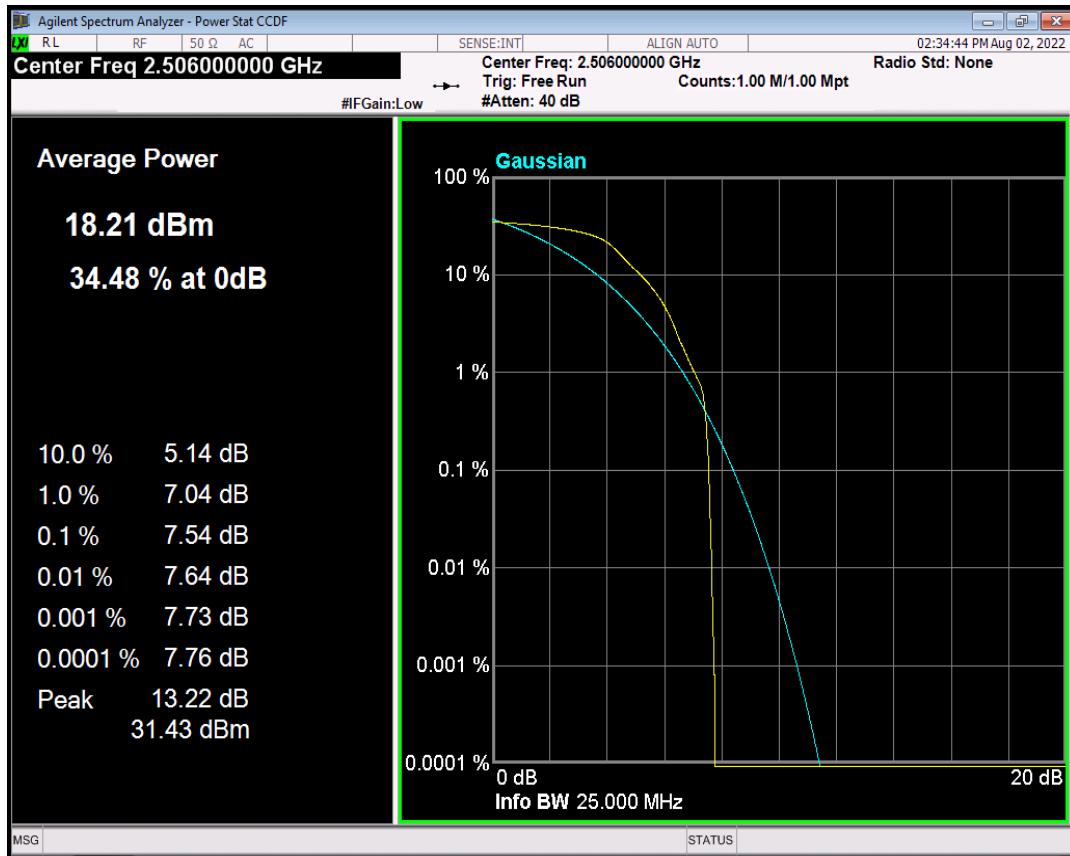


Band41 QAM16 BW=15MHz Channel=41515 RB Size=1 Position=#0

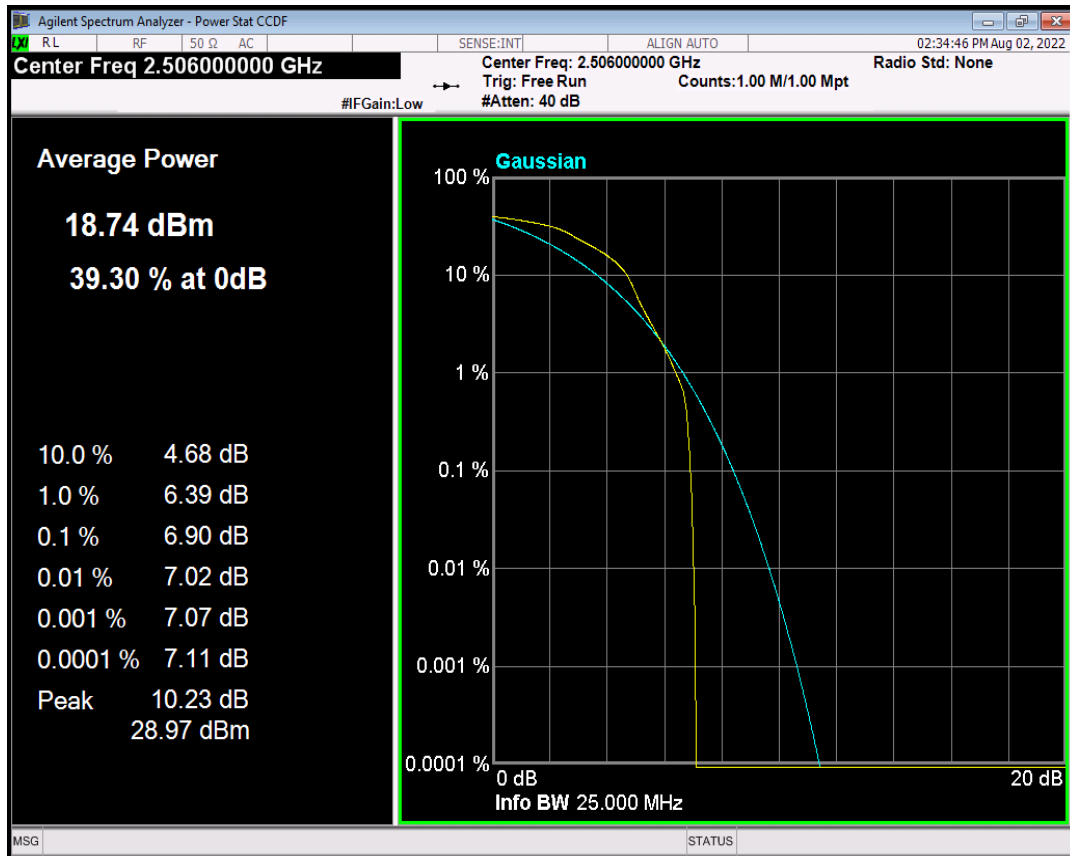




Band41 QPSK BW=20MHz Channel=39750 RB Size=1 Position=#0

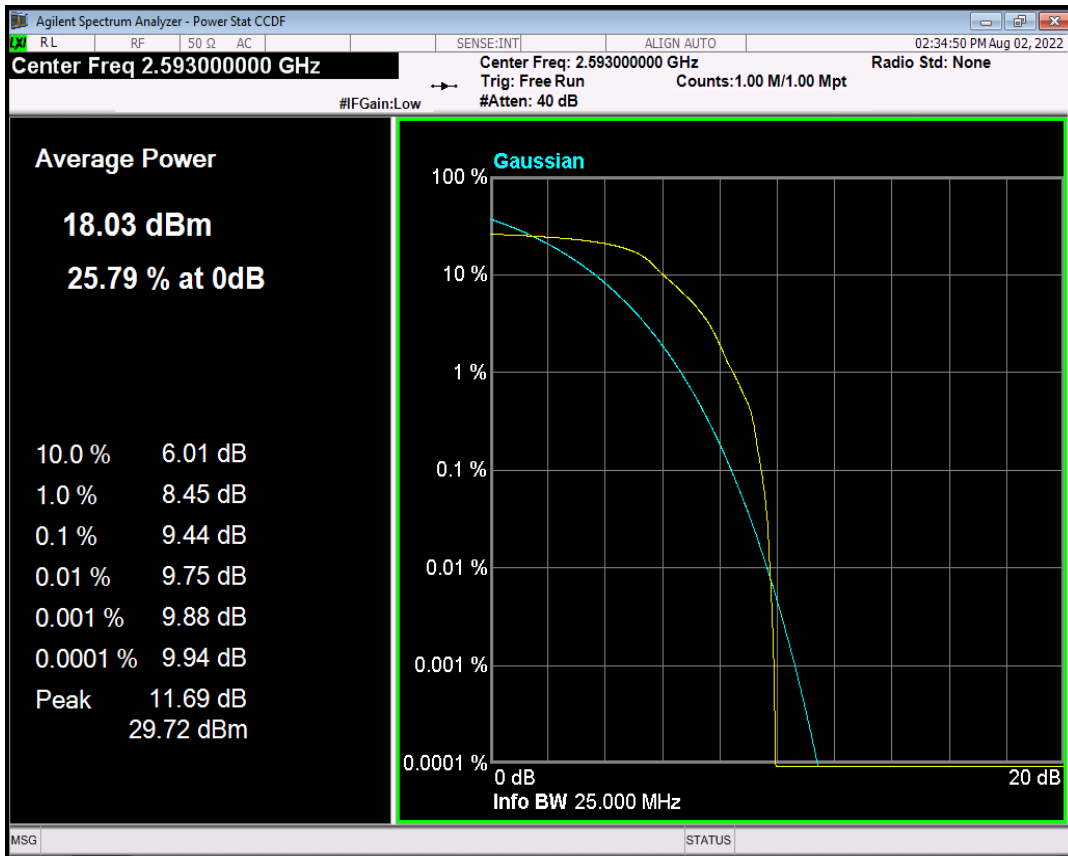


Band41 QAM16 BW=20MHz Channel=39750 RB Size=1 Position=#0

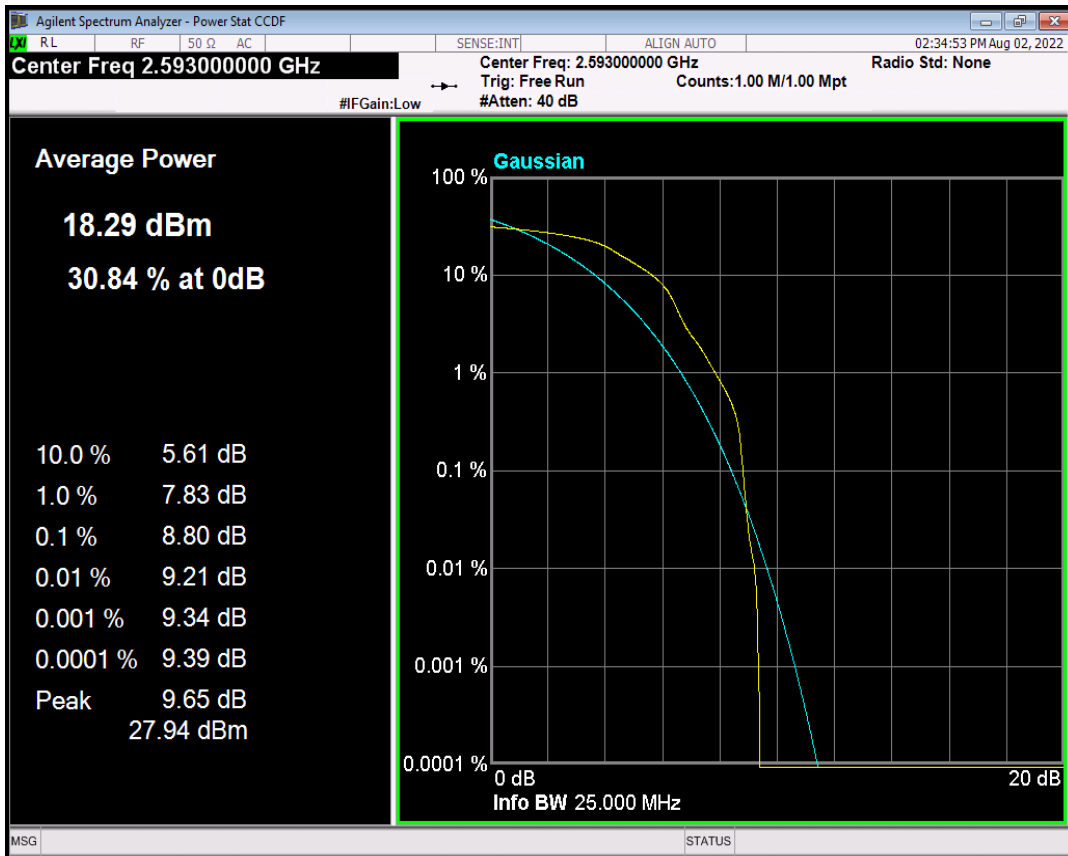




Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0

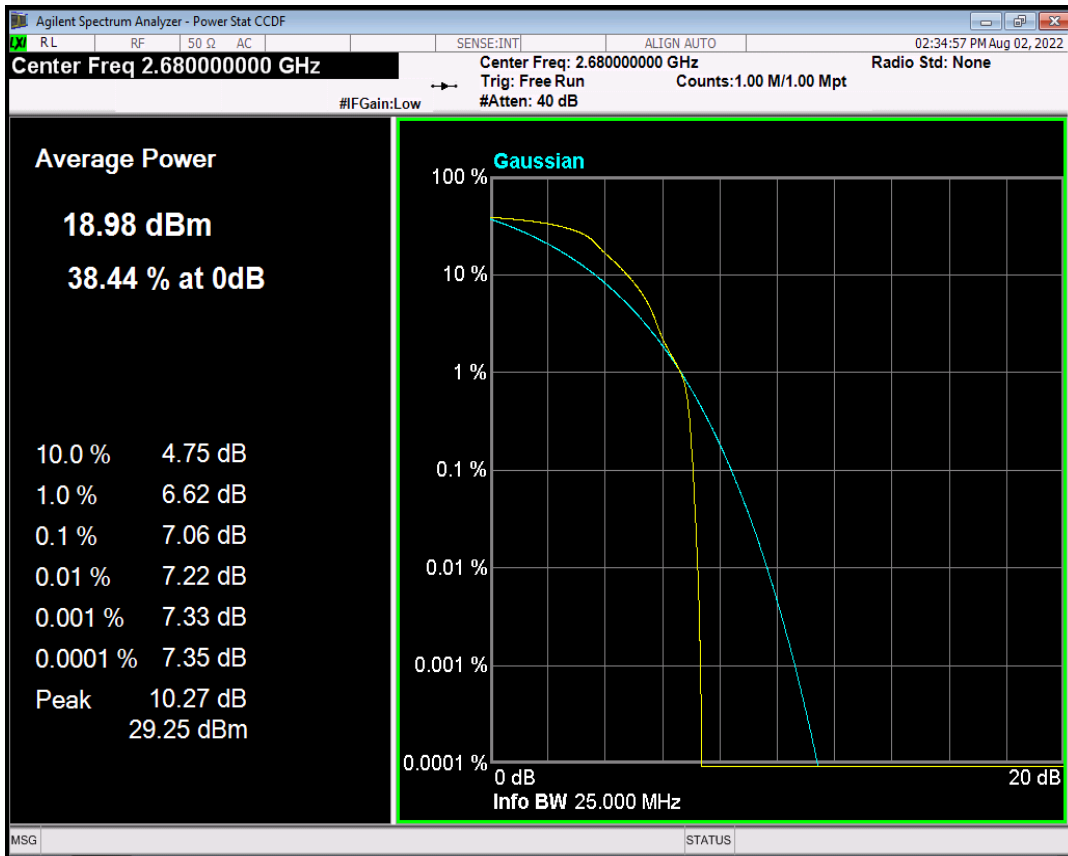


Band41 QAM16 BW=20MHz Channel=40620 RB Size=1 Position=#0

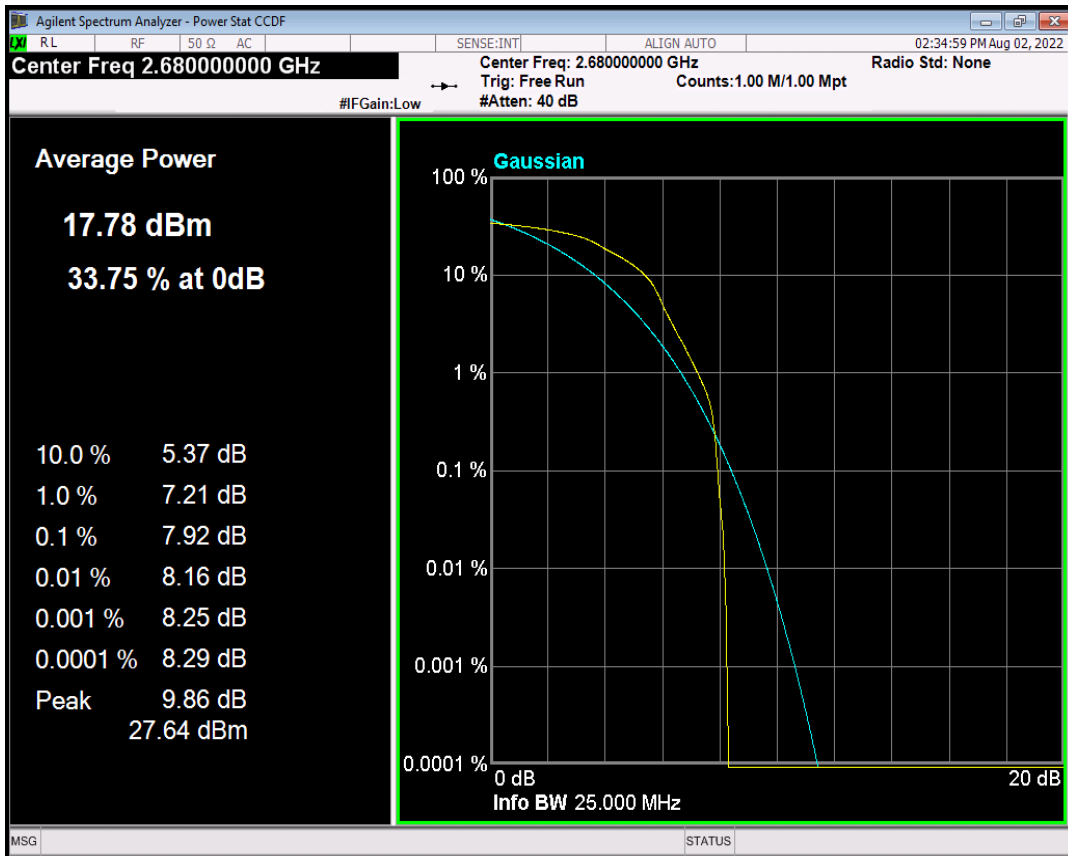




Band41 QPSK BW=20MHz Channel=41490 RB Size=1 Position=#0



Band41 QAM16 BW=20MHz Channel=41490 RB Size=1 Position=#0

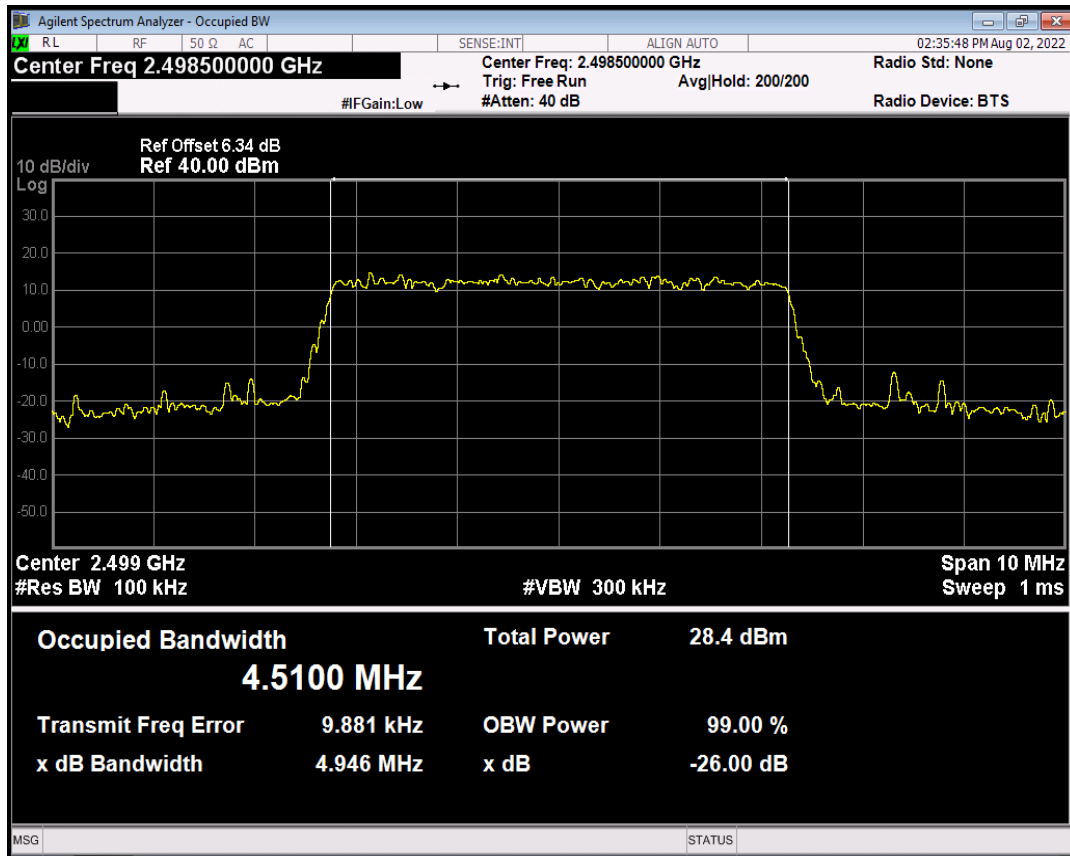


Appendix4. Occupied bandwidth

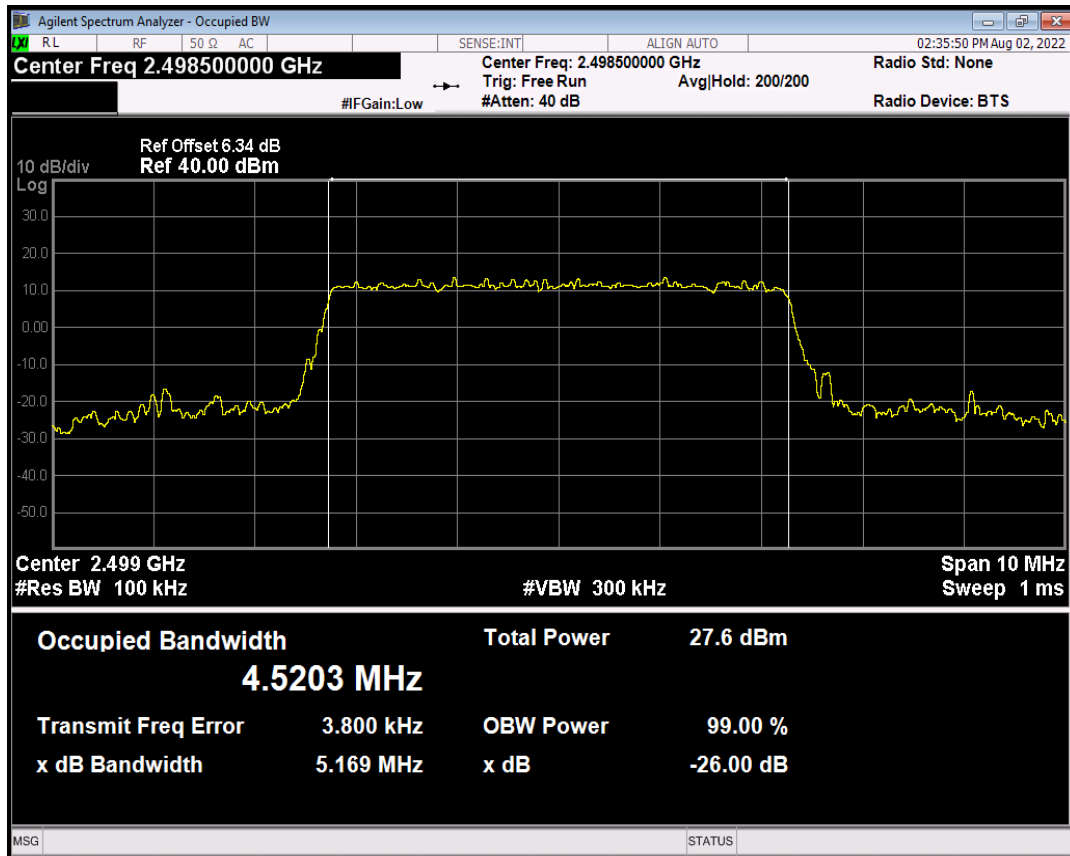
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QPSK	4.510	4.946	PASS
Band41	5	39675	25	#0	QAM16	4.520	5.169	PASS
Band41	5	40620	25	#0	QPSK	4.504	5.196	PASS
Band41	5	40620	25	#0	QAM16	4.488	5.025	PASS
Band41	5	41565	25	#0	QPSK	4.501	4.905	PASS
Band41	5	41565	25	#0	QAM16	4.488	5.146	PASS
Band41	10	39700	50	#0	QPSK	8.976	9.859	PASS
Band41	10	39700	50	#0	QAM16	8.980	9.732	PASS
Band41	10	40620	50	#0	QPSK	8.953	9.676	PASS
Band41	10	40620	50	#0	QAM16	8.960	9.881	PASS
Band41	10	41540	50	#0	QPSK	8.948	9.776	PASS
Band41	10	41540	50	#0	QAM16	8.998	10.048	PASS
Band41	15	39725	75	#0	QPSK	13.447	14.797	PASS
Band41	15	39725	75	#0	QAM16	13.460	15.140	PASS
Band41	15	40620	75	#0	QPSK	13.416	14.591	PASS
Band41	15	40620	75	#0	QAM16	13.439	14.794	PASS
Band41	15	41515	75	#0	QPSK	13.405	14.425	PASS
Band41	15	41515	75	#0	QAM16	13.474	14.317	PASS
Band41	20	39750	100	#0	QPSK	17.895	18.966	PASS
Band41	20	39750	100	#0	QAM16	17.919	20.019	PASS
Band41	20	40620	100	#0	QPSK	17.867	19.491	PASS
Band41	20	40620	100	#0	QAM16	17.961	19.081	PASS
Band41	20	41490	100	#0	QPSK	17.922	19.237	PASS
Band41	20	41490	100	#0	QAM16	17.860	19.188	PASS



Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

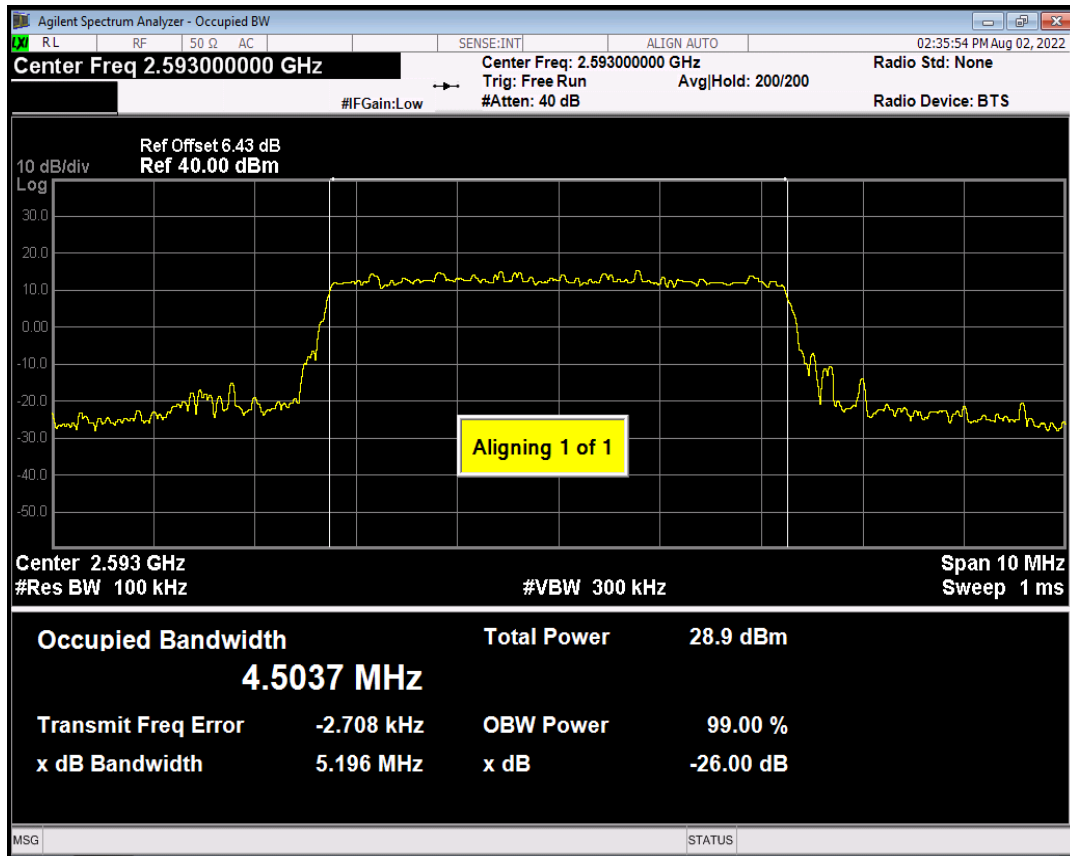


Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0

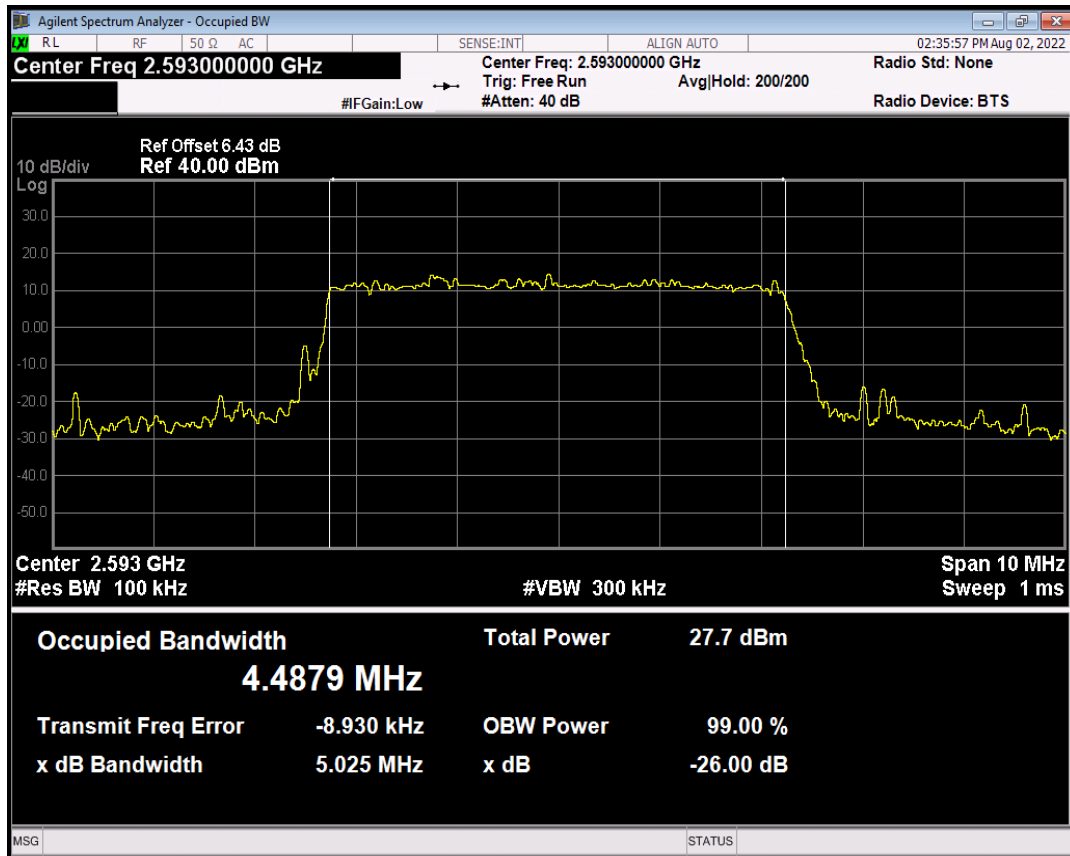




Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0

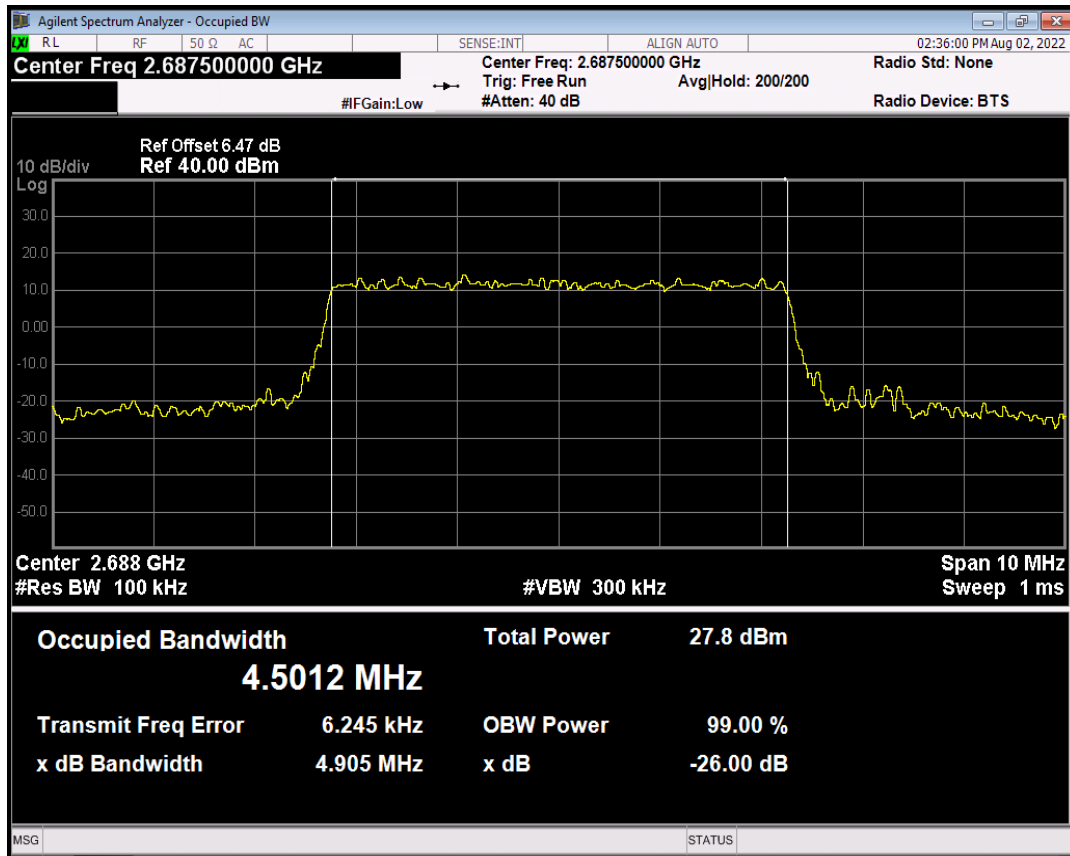


Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0

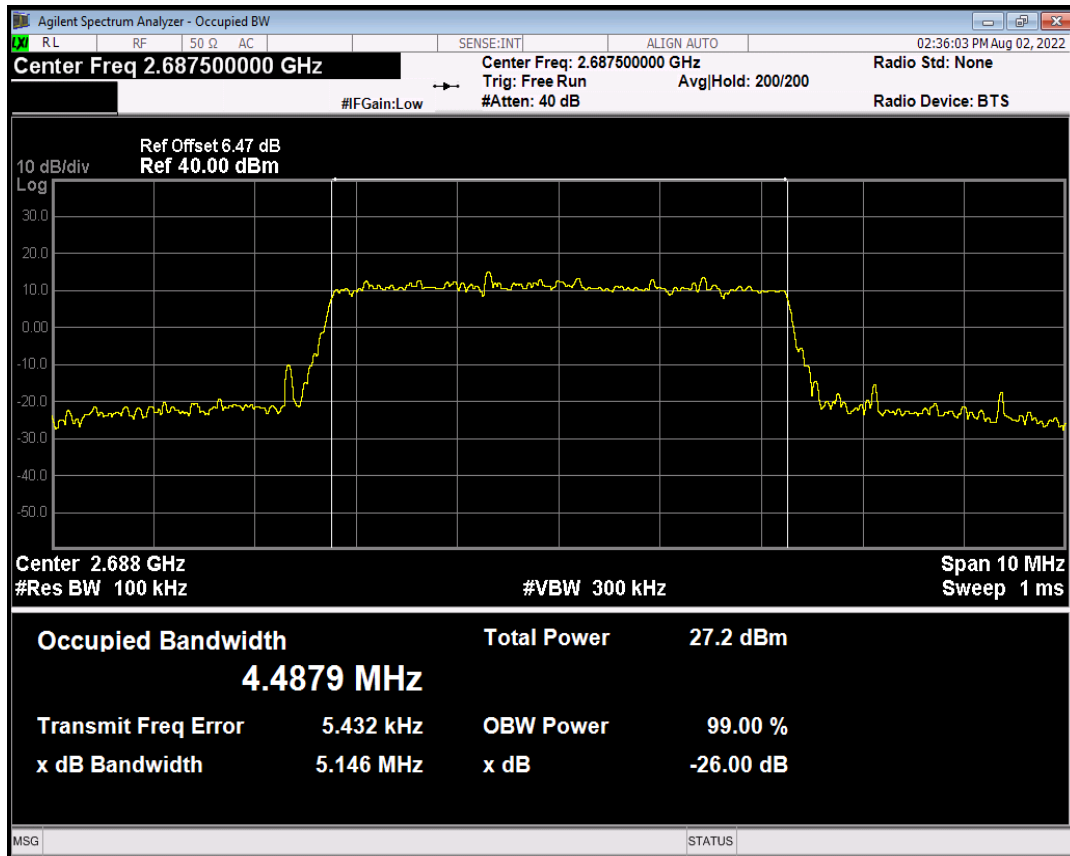




Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

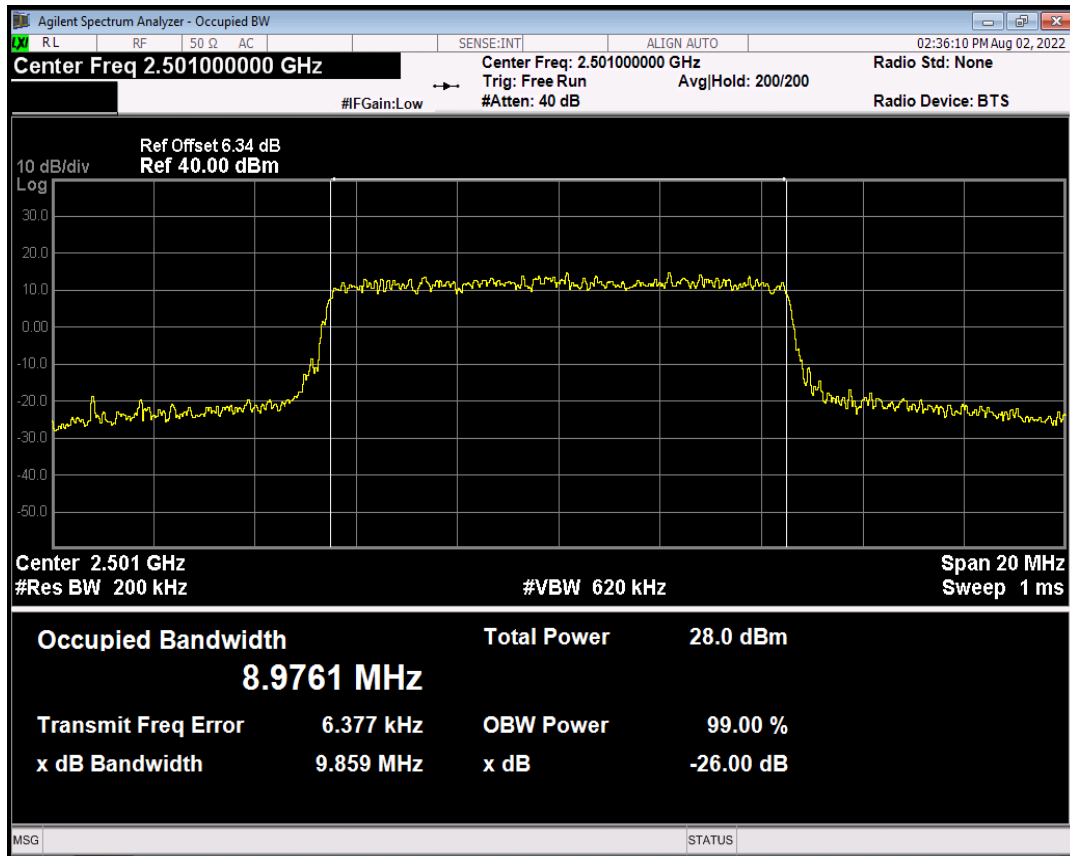


Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0

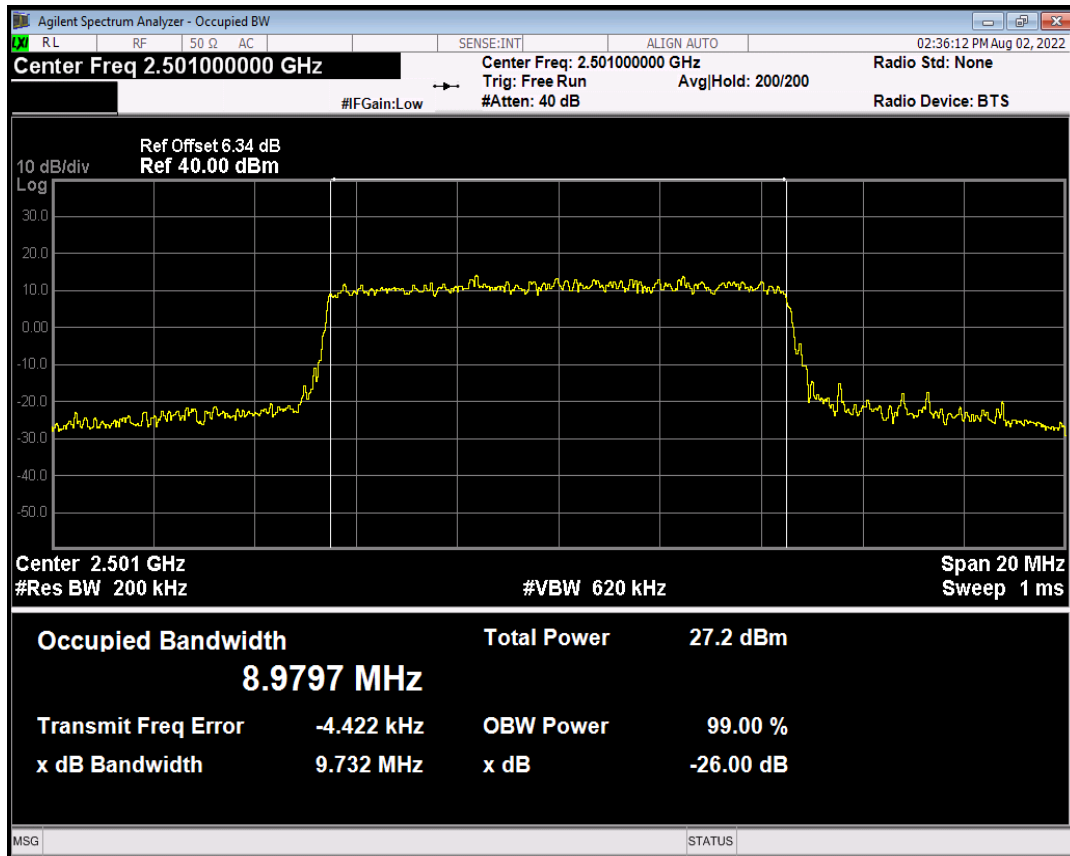




Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

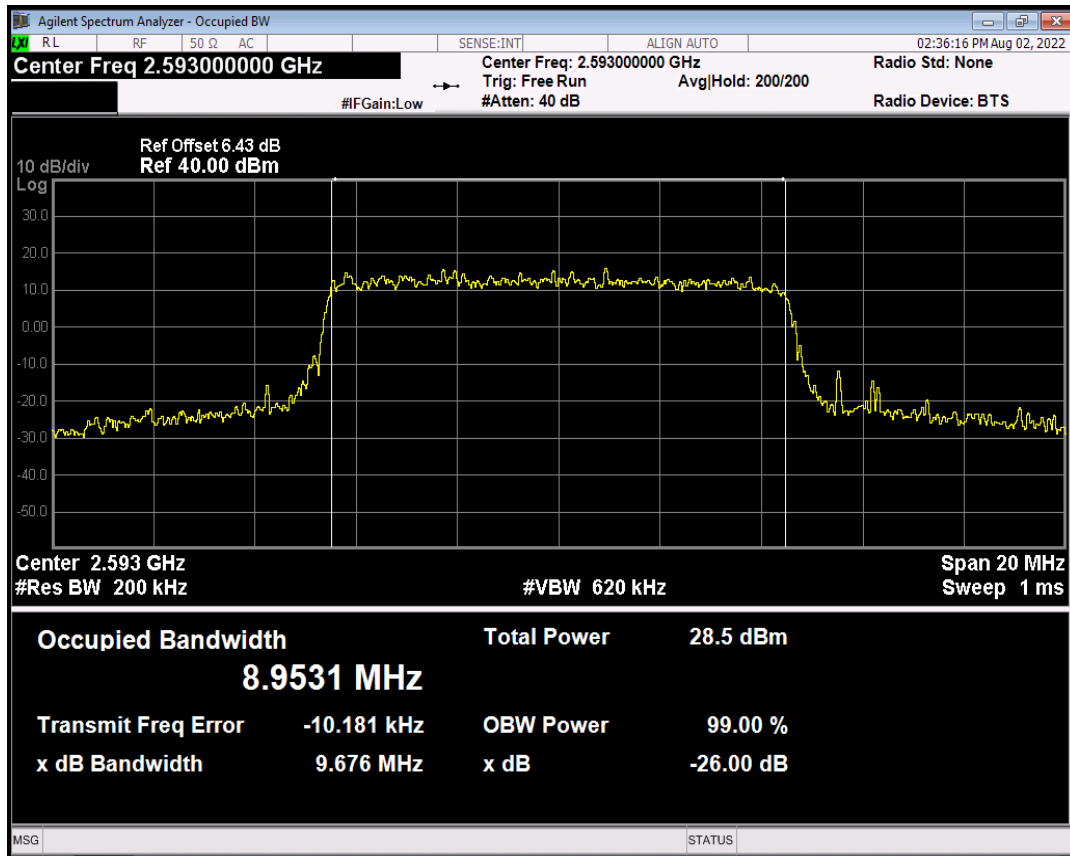


Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0

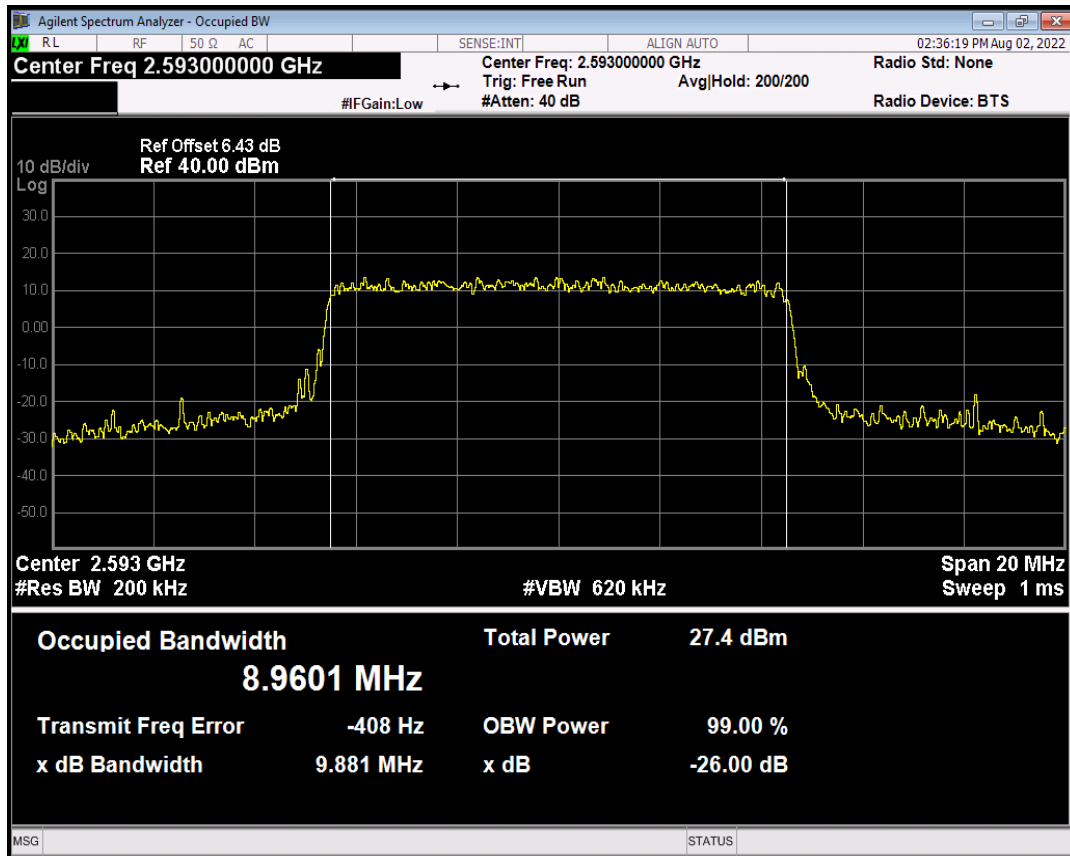




Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0

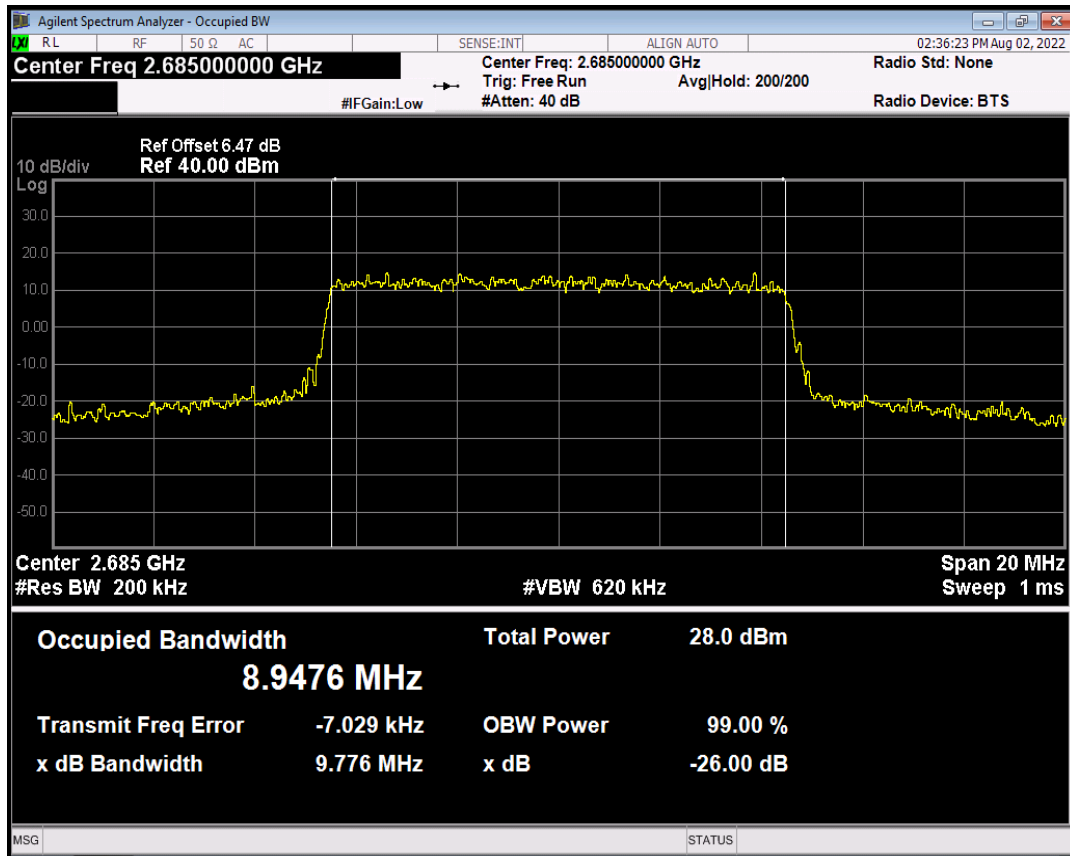


Band41 QAM16 BW=10MHz Channel=40620 RB Size=50 Position=#0

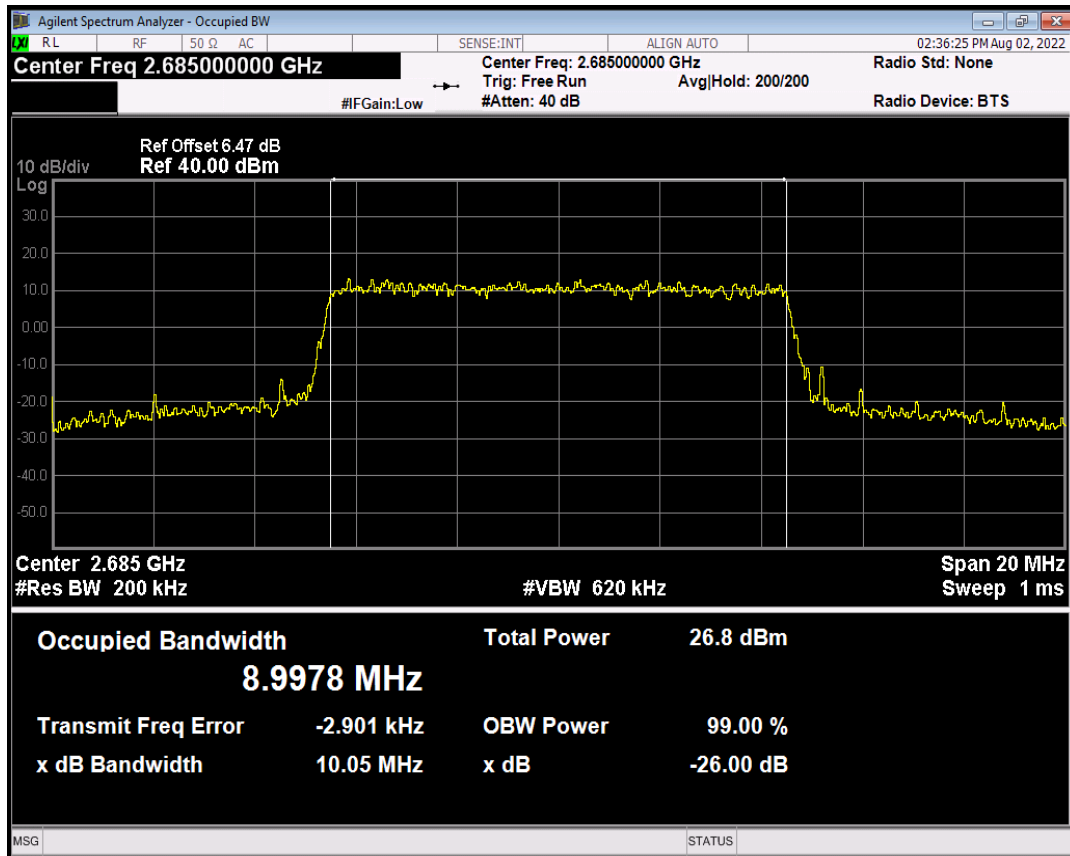




Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

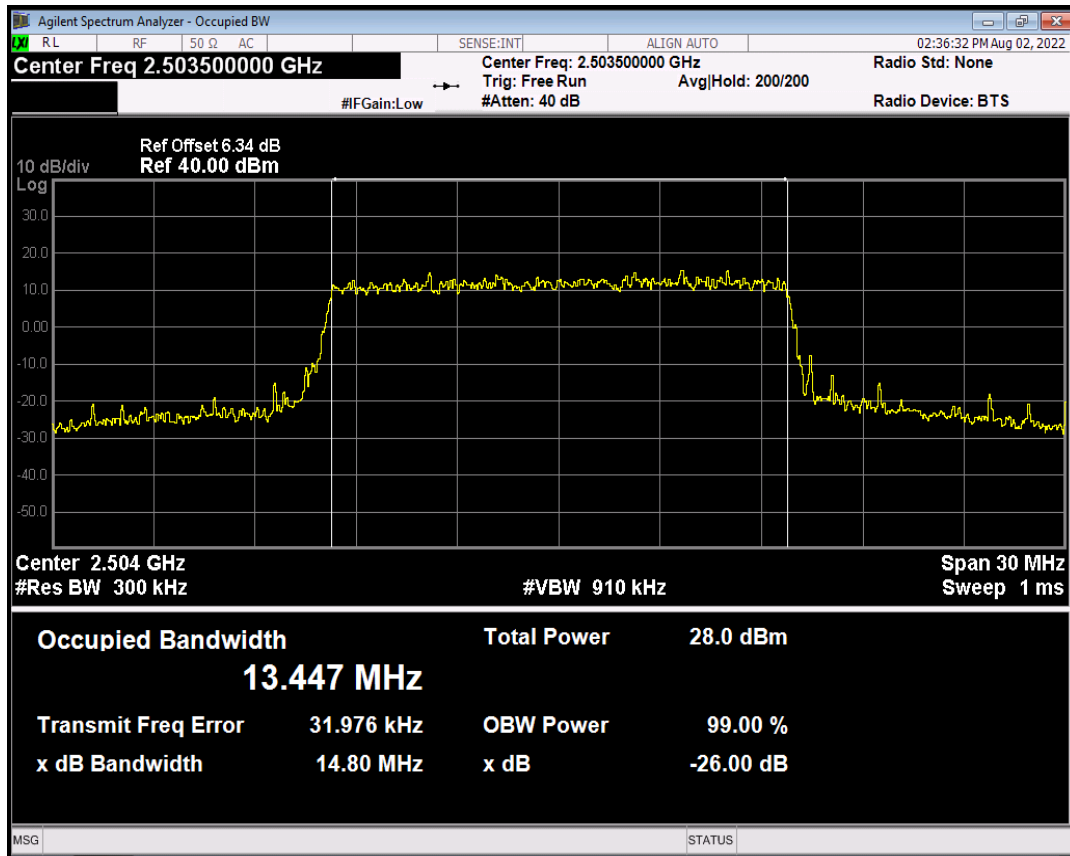


Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0

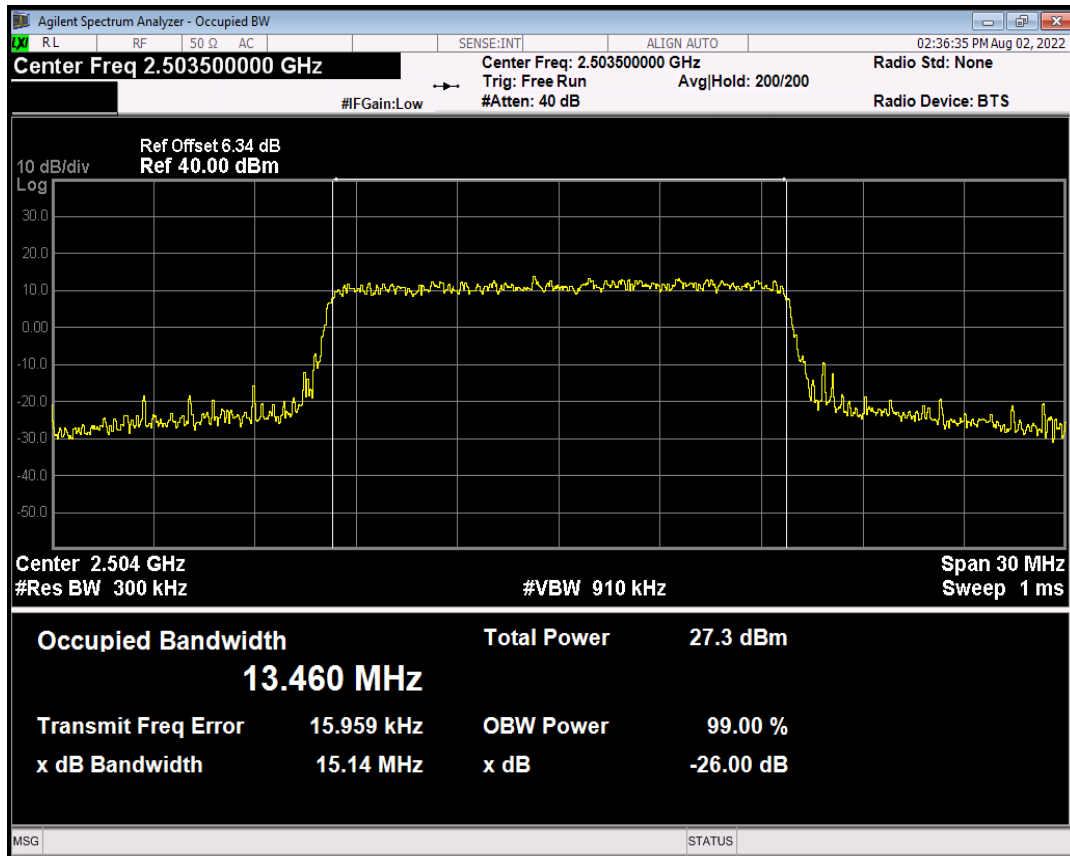




Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

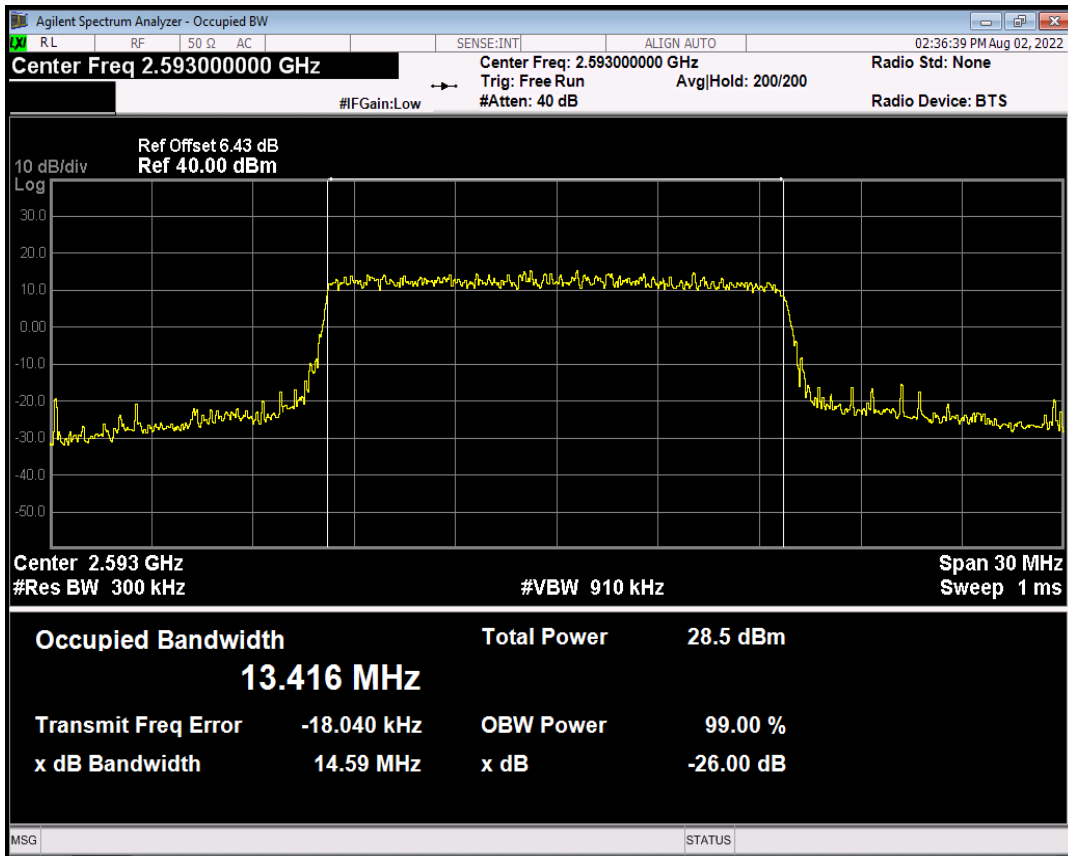


Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0

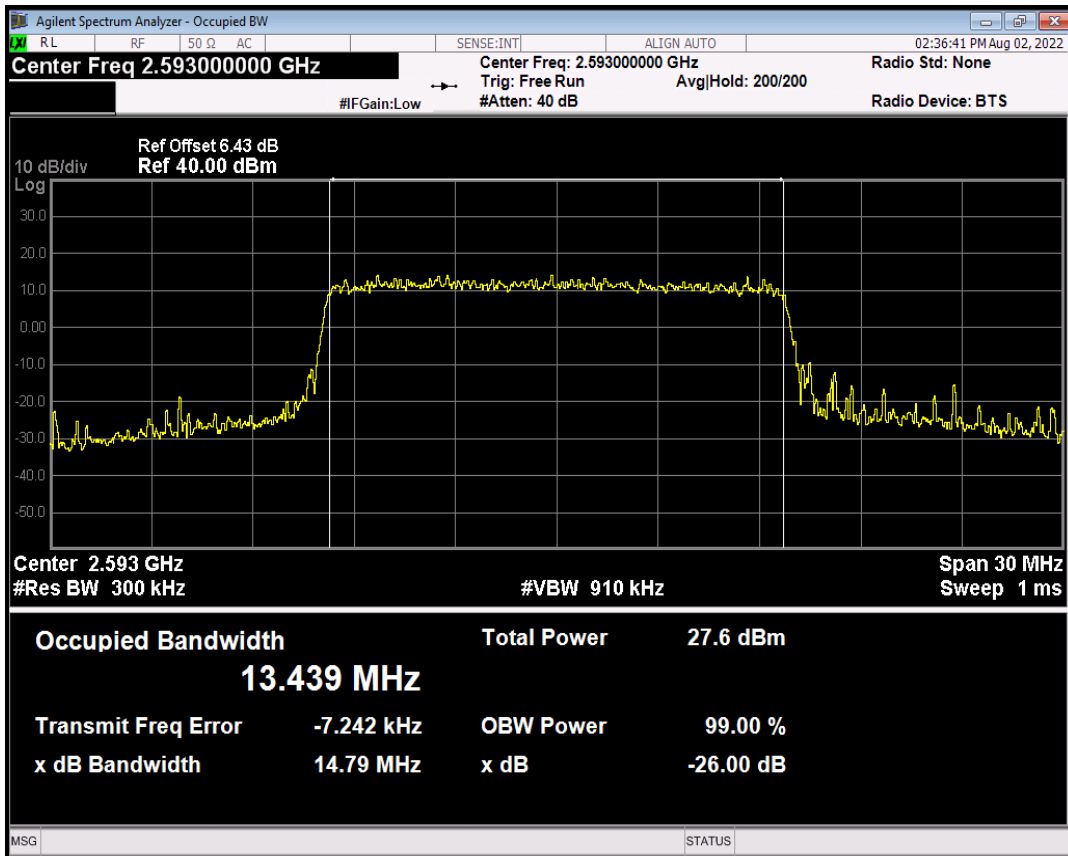




Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

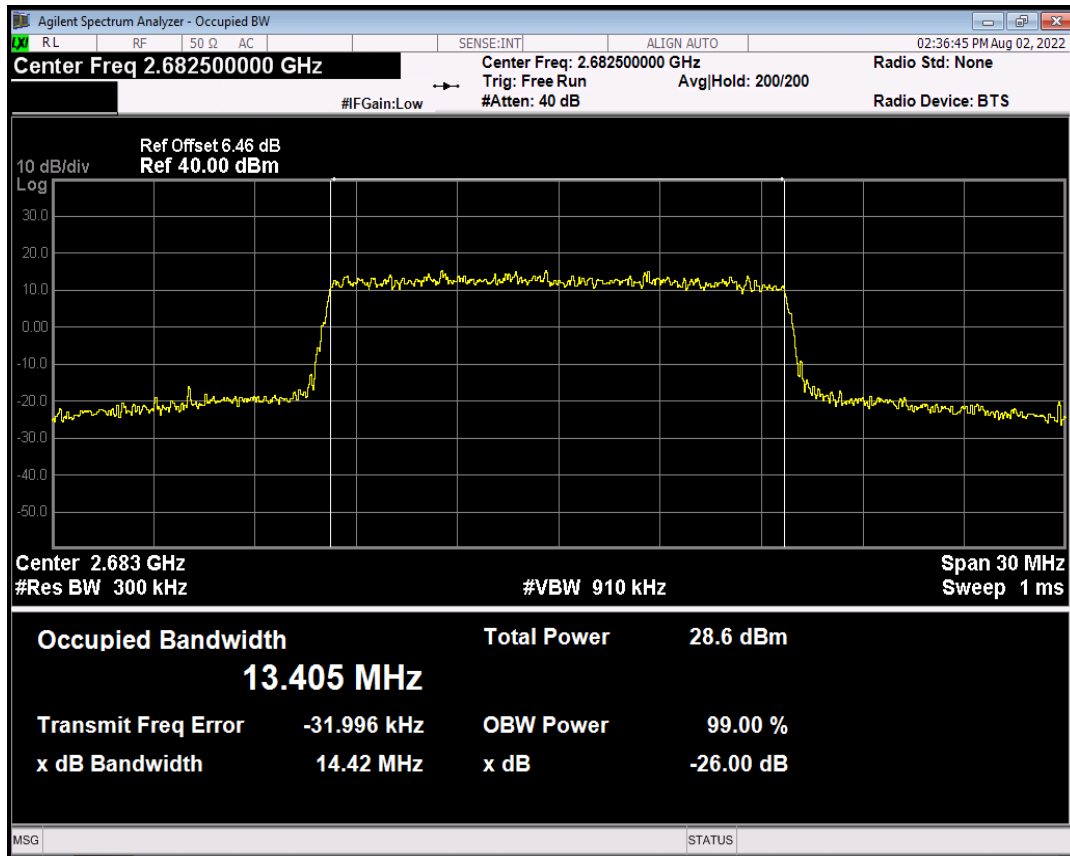


Band41 QAM16 BW=15MHz Channel=40620 RB Size=75 Position=#0

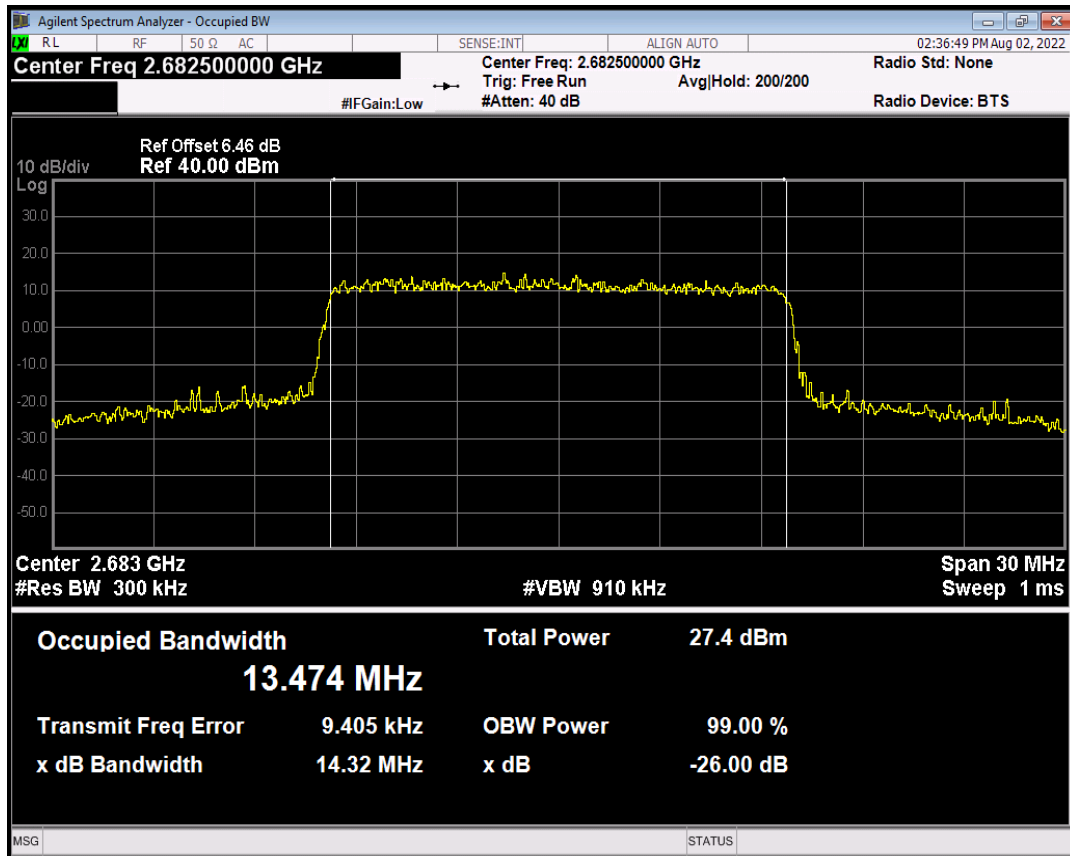




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

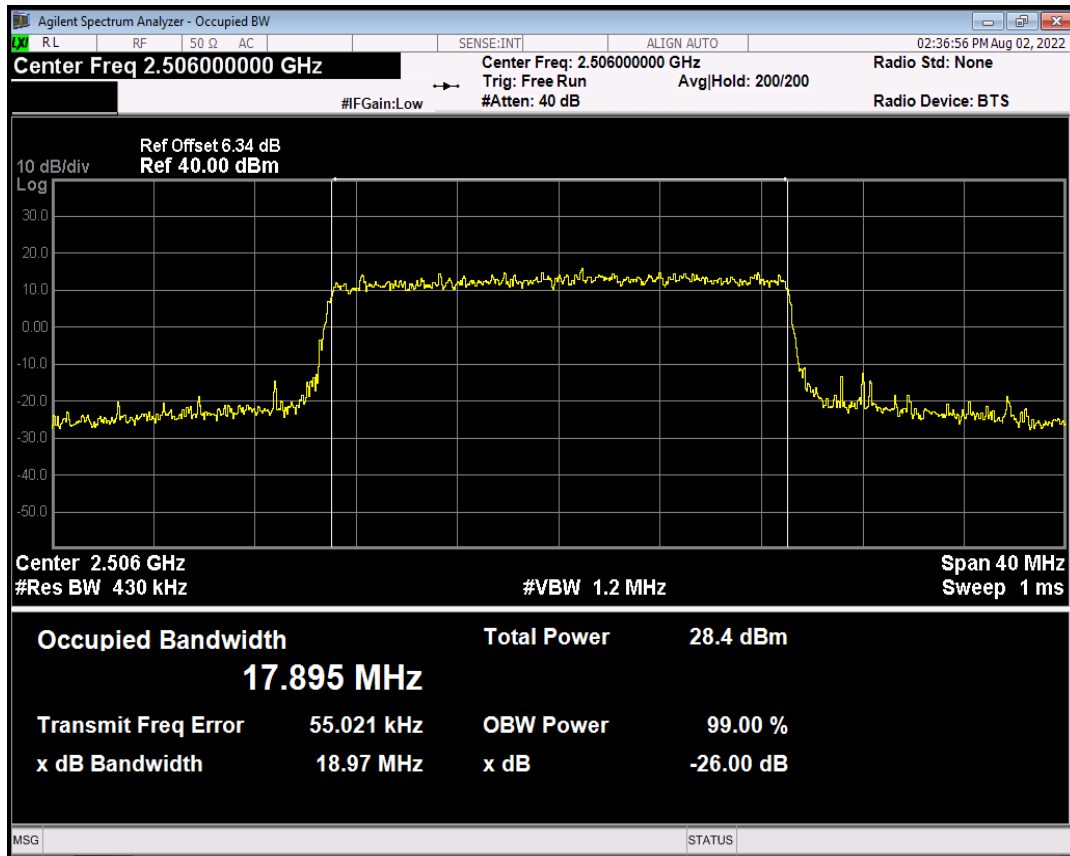


Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0

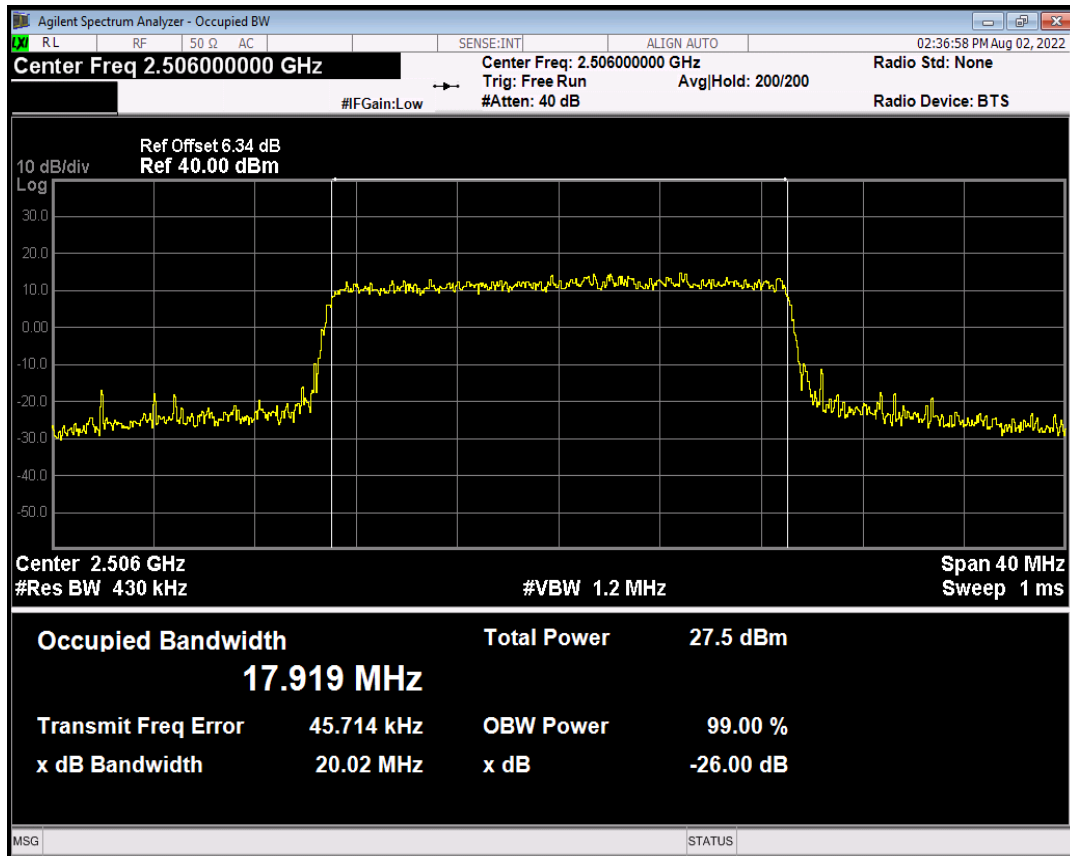




Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

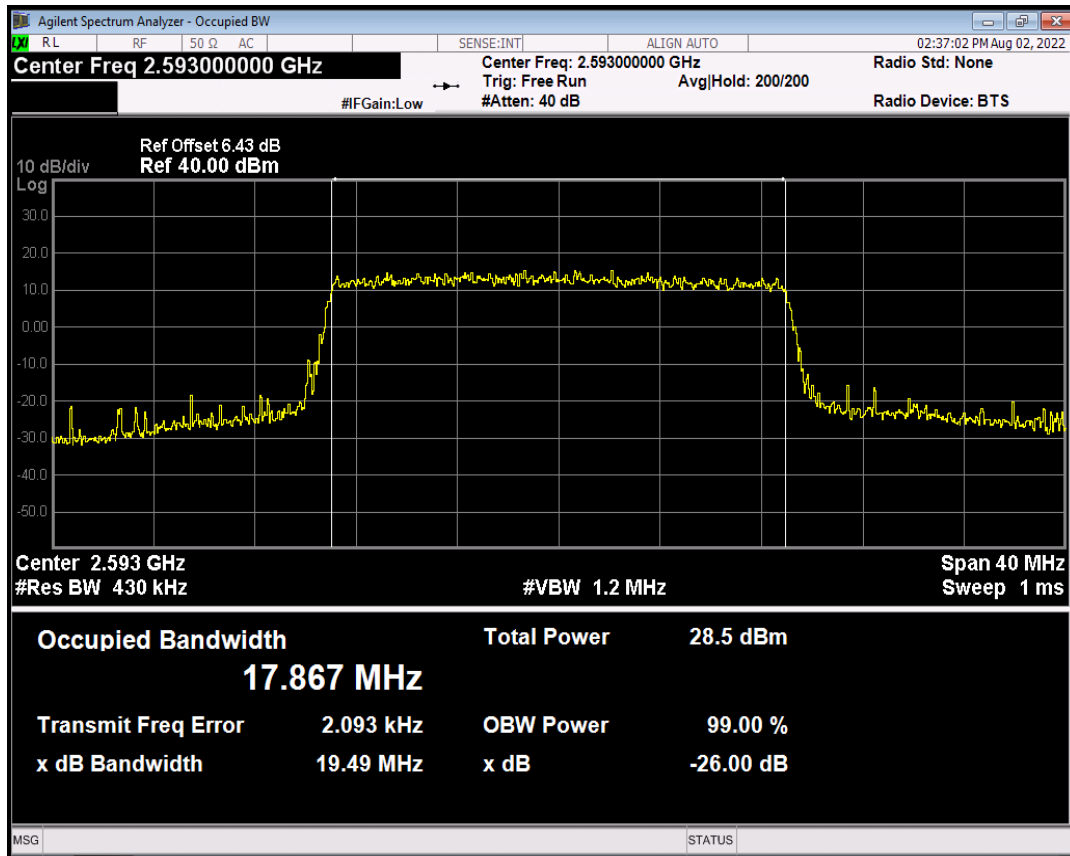


Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0

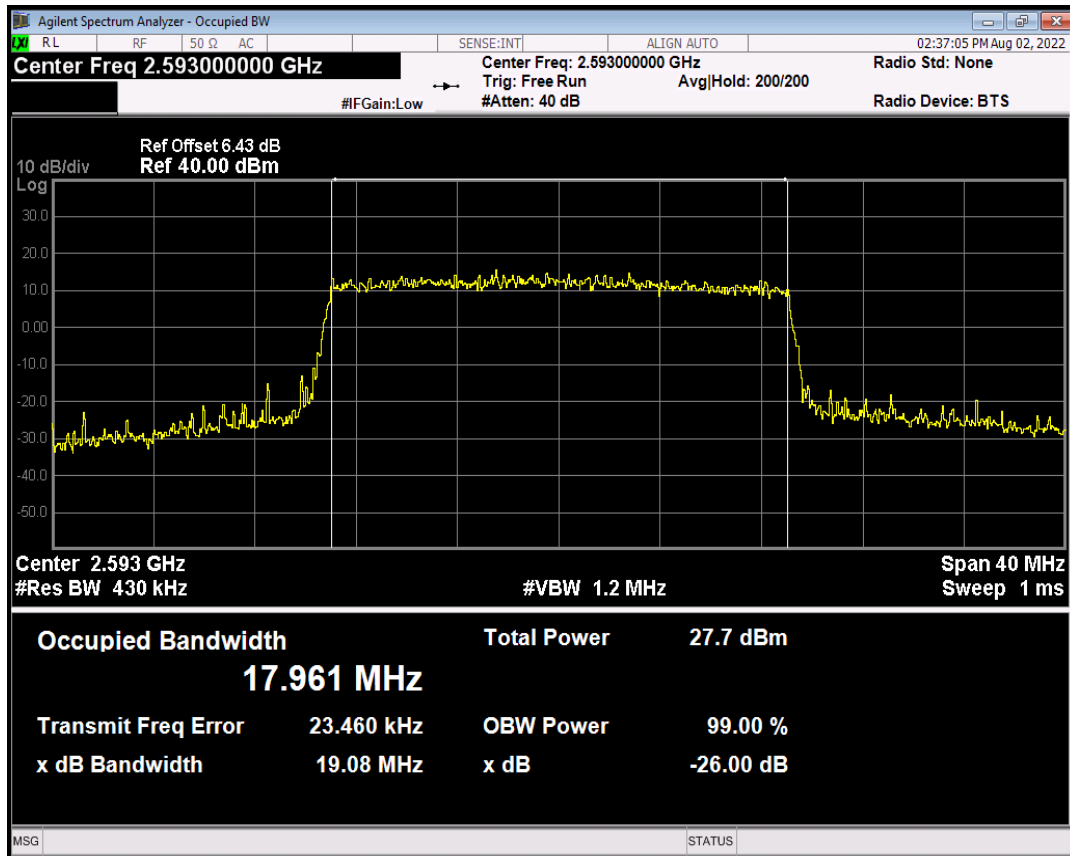




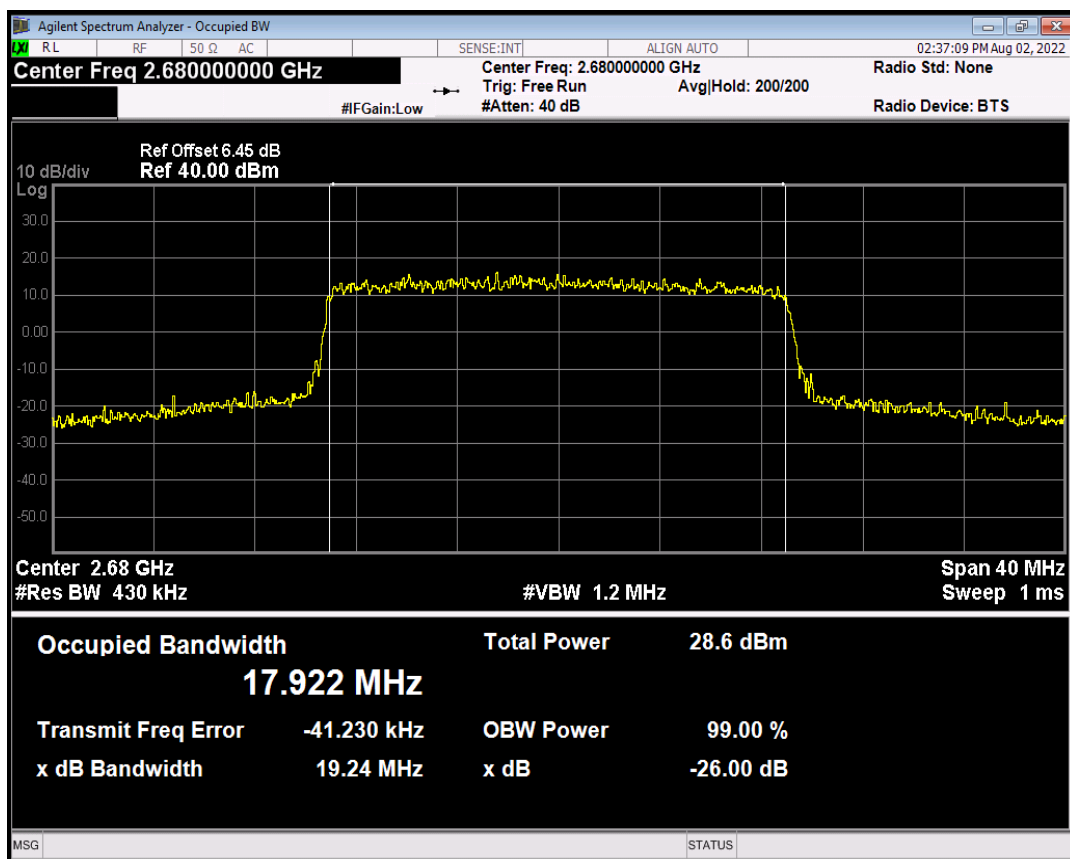
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



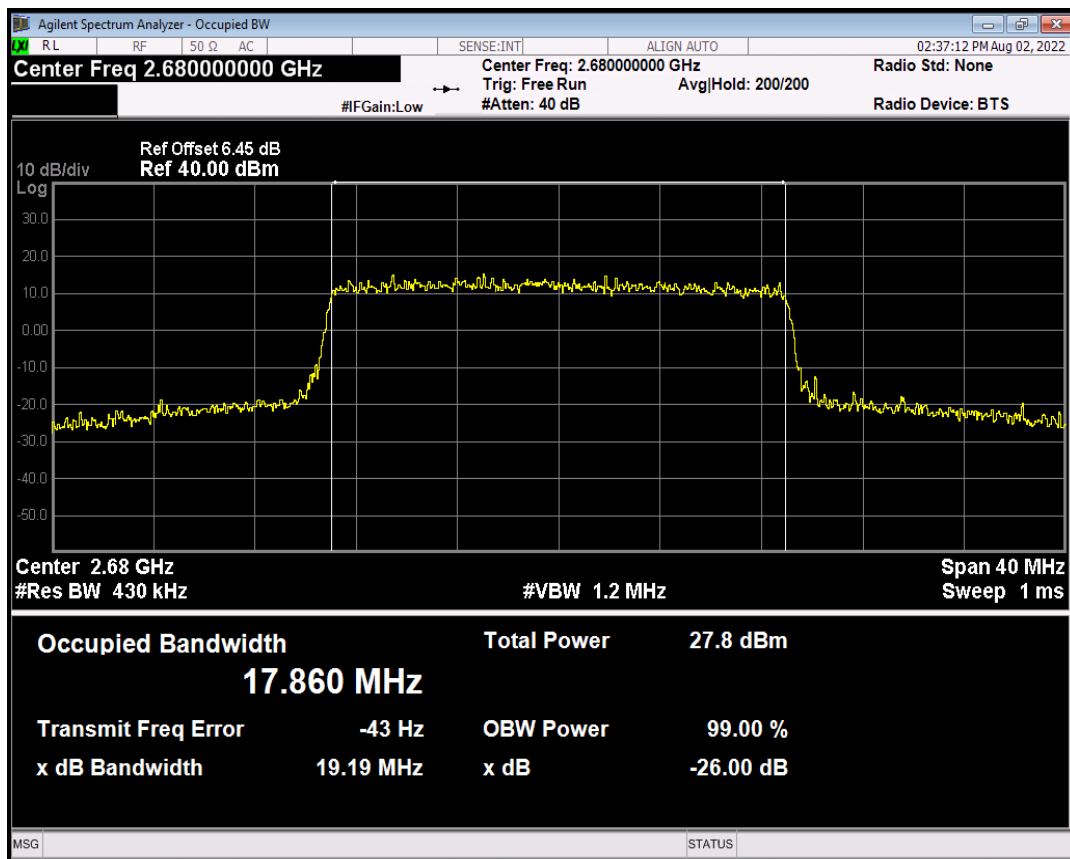
Band41 QAM16 BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



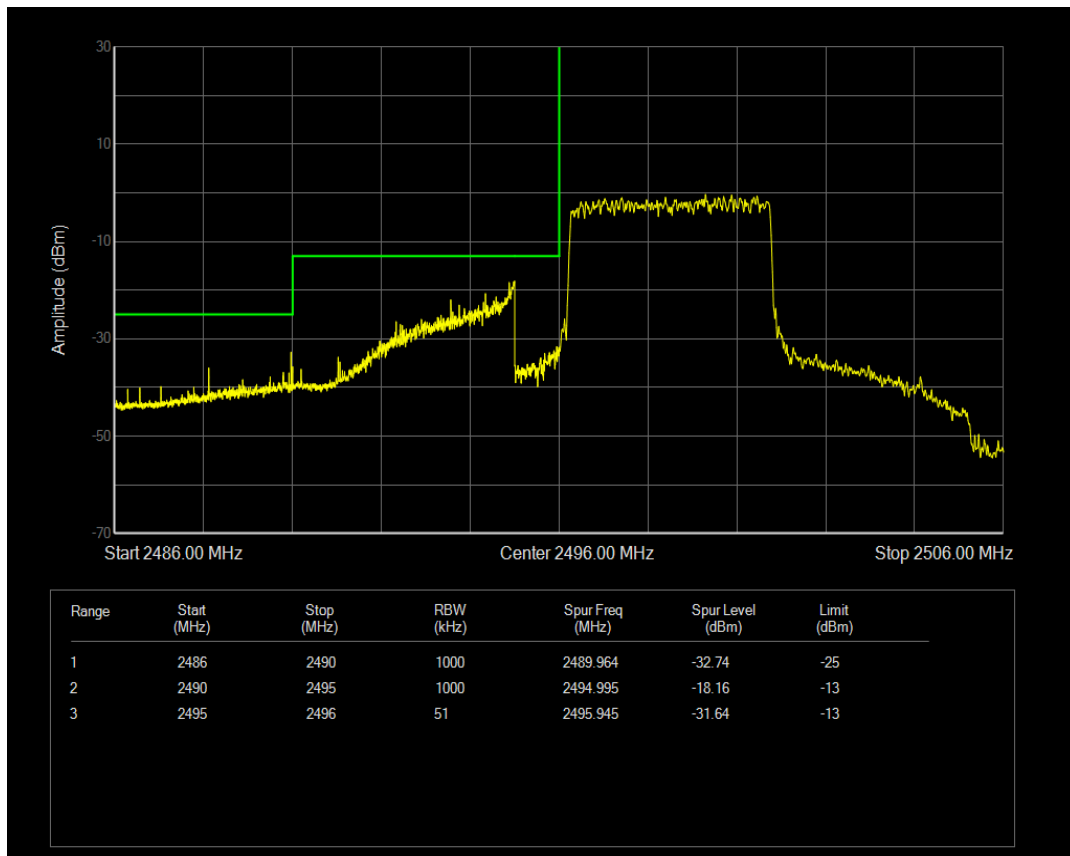
Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0



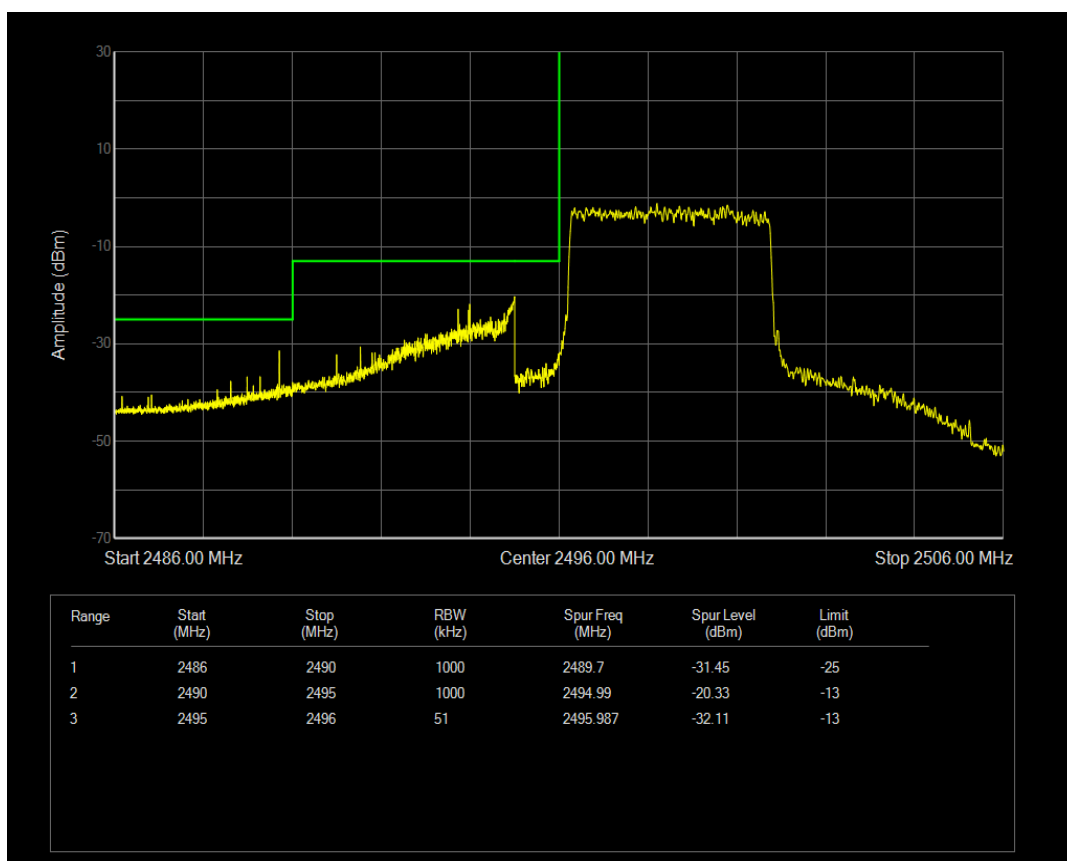
Appendix5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	2495.00	-18.16	-13	PASS
Band41	5	39675	25	#0	QAM16	2489.70	-31.45	-25	PASS
Band41	5	41565	25	#0	QPSK	2691.01	-19.98	-10	PASS
Band41	5	41565	25	#0	QAM16	2691.03	-18.16	-10	PASS
Band41	10	39700	50	#0	QPSK	2485.63	-31.69	-25	PASS
Band41	10	39700	50	#0	QAM16	2484.25	-33.96	-25	PASS
Band41	10	41540	50	#0	QPSK	2701.32	-32.38	-25	PASS
Band41	10	41540	50	#0	QAM16	2700.01	-34.29	-25	PASS
Band41	15	39725	75	#0	QPSK	2480.83	-32.94	-25	PASS
Band41	15	39725	75	#0	QAM16	2478.01	-35.14	-25	PASS
Band41	15	41515	75	#0	QPSK	2707.37	-32.38	-25	PASS
Band41	15	41515	75	#0	QAM16	2705.68	-36.15	-25	PASS
Band41	20	39750	100	#0	QPSK	2473.00	-37.91	-25	PASS
Band41	20	39750	100	#0	QAM16	2473.19	-40.50	-25	PASS
Band41	20	41490	100	#0	QPSK	2714.21	-39.07	-25	PASS
Band41	20	41490	100	#0	QAM16	2711.47	-39.58	-25	PASS

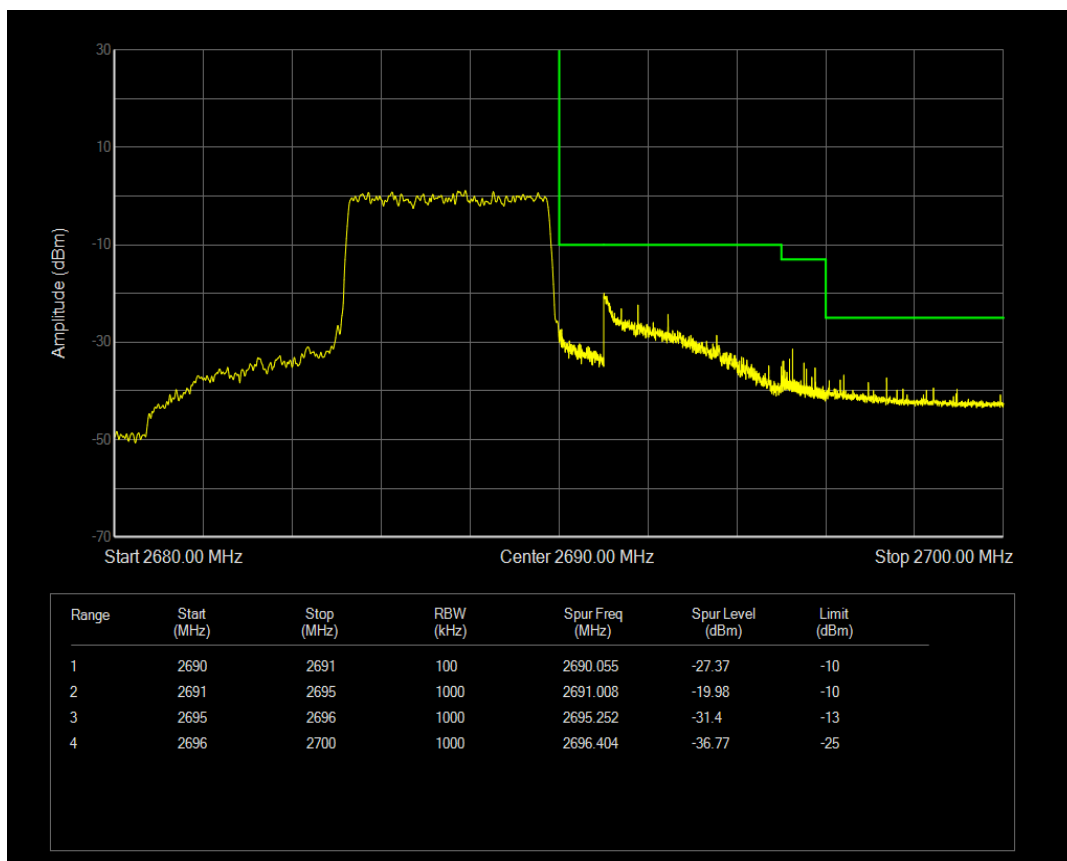
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0

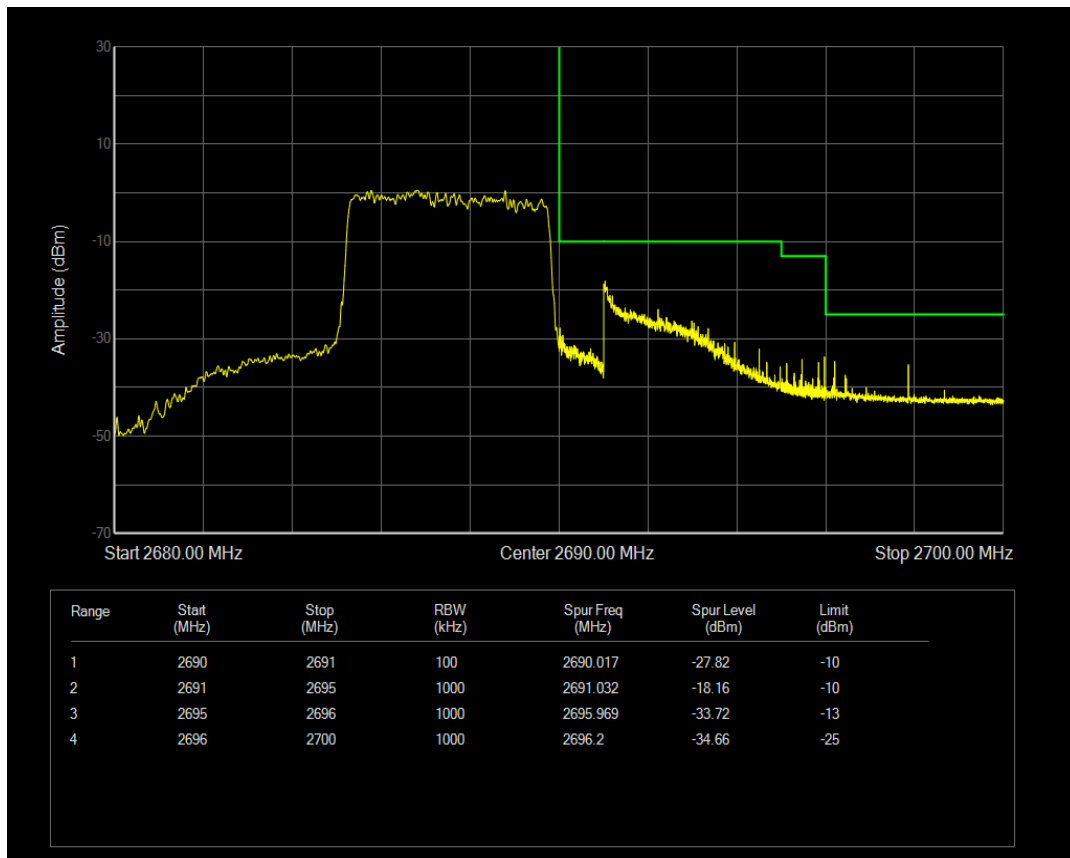


Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

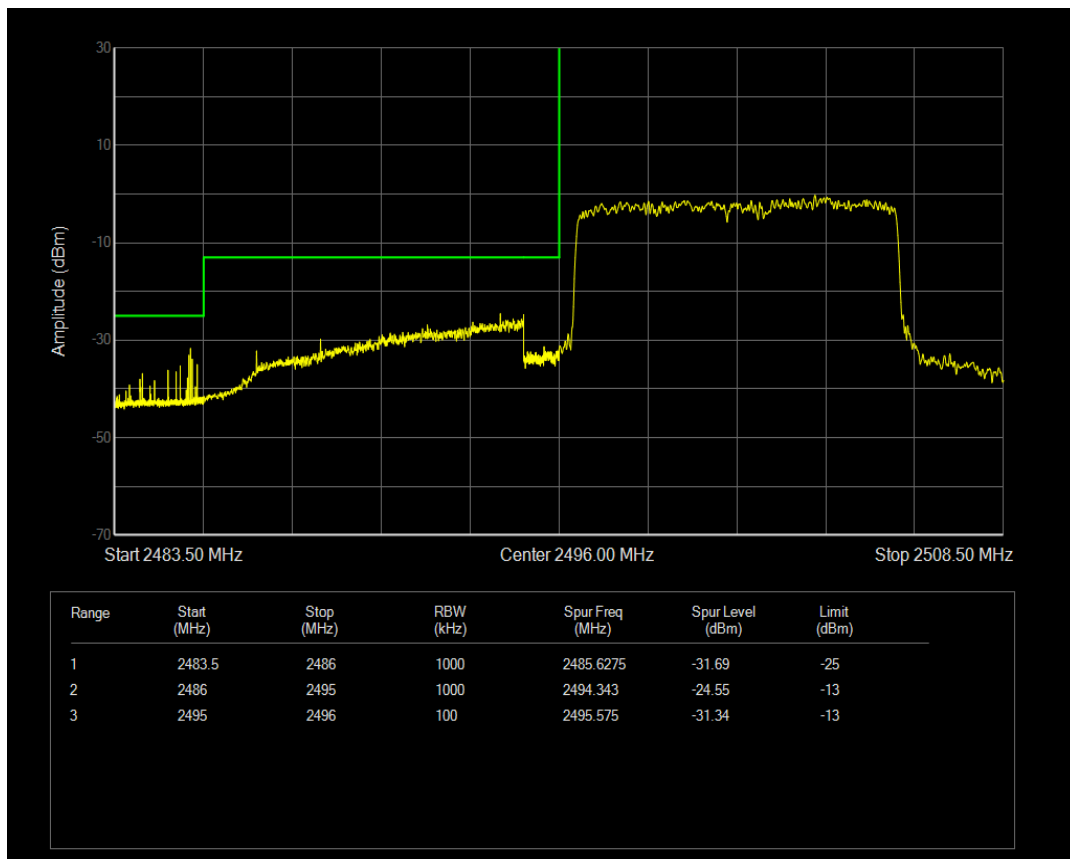




Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0

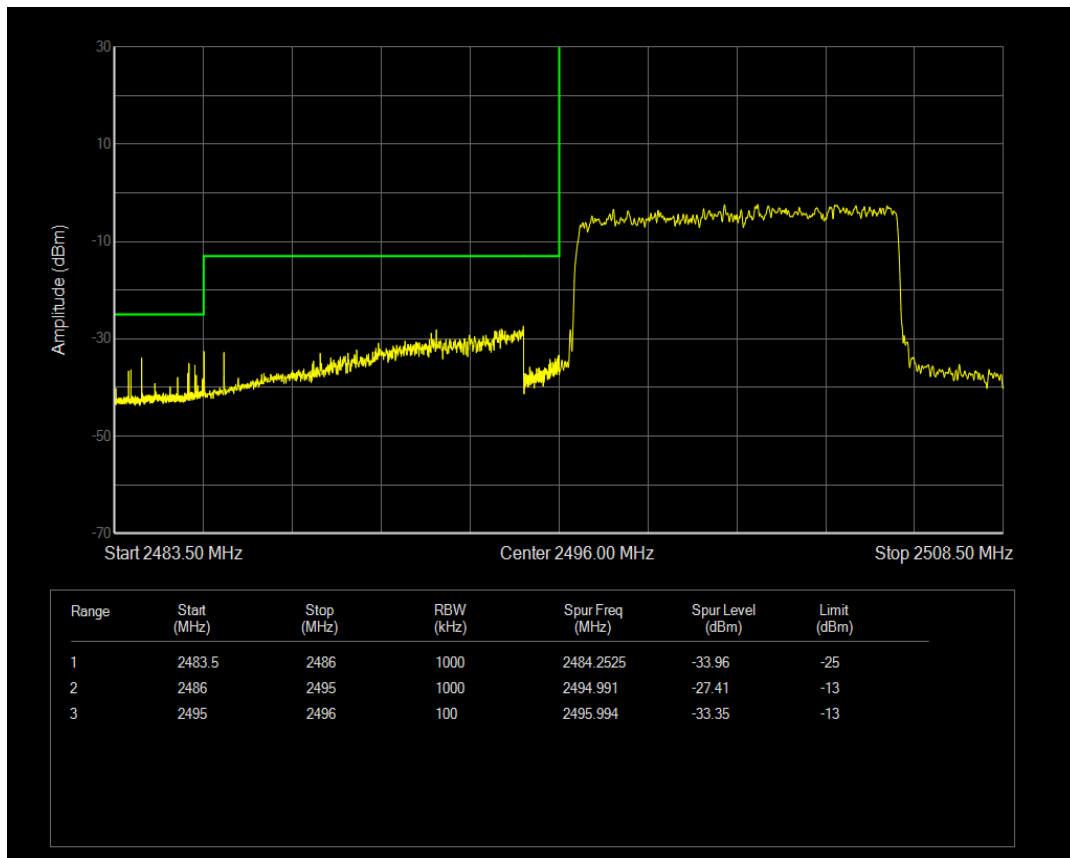


Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

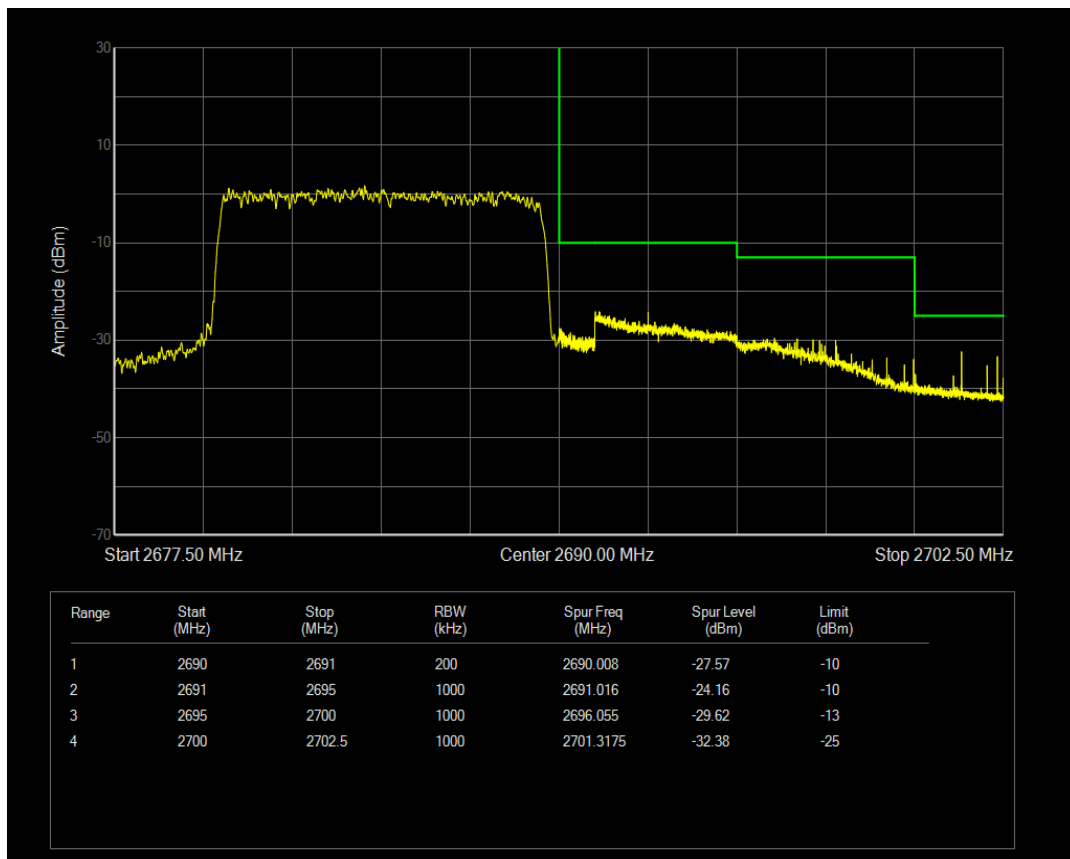




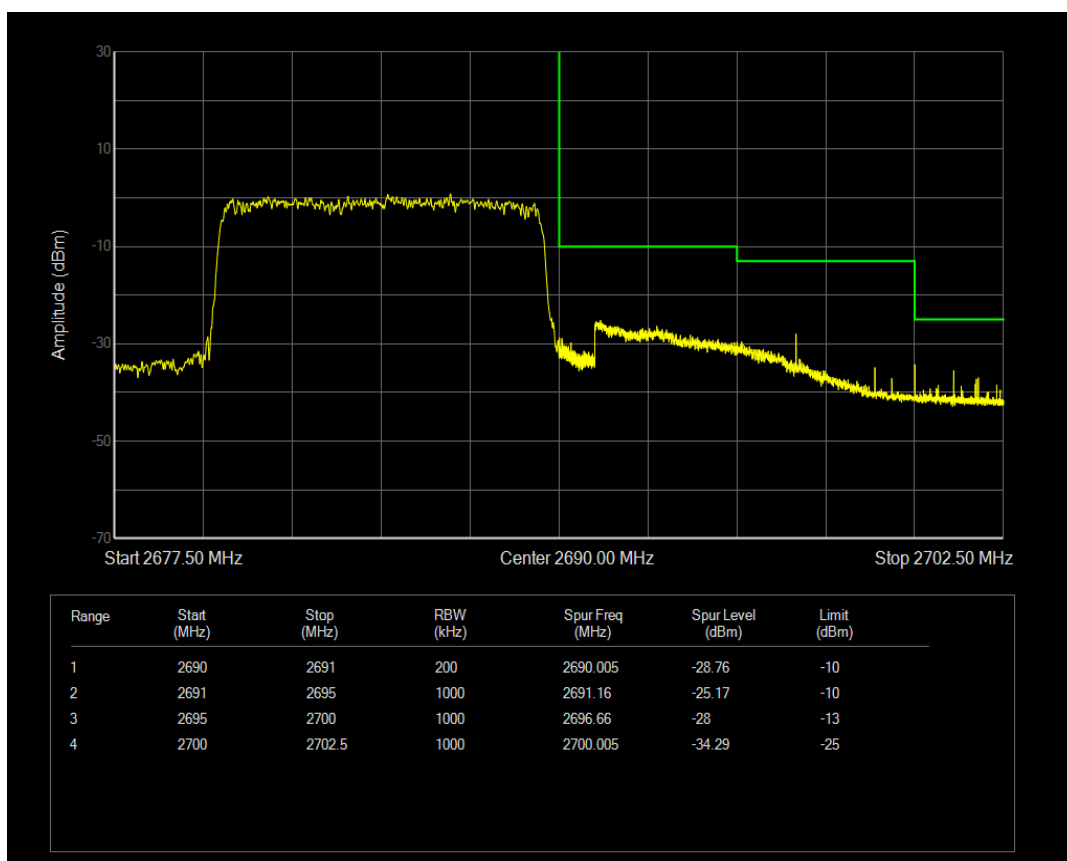
Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0



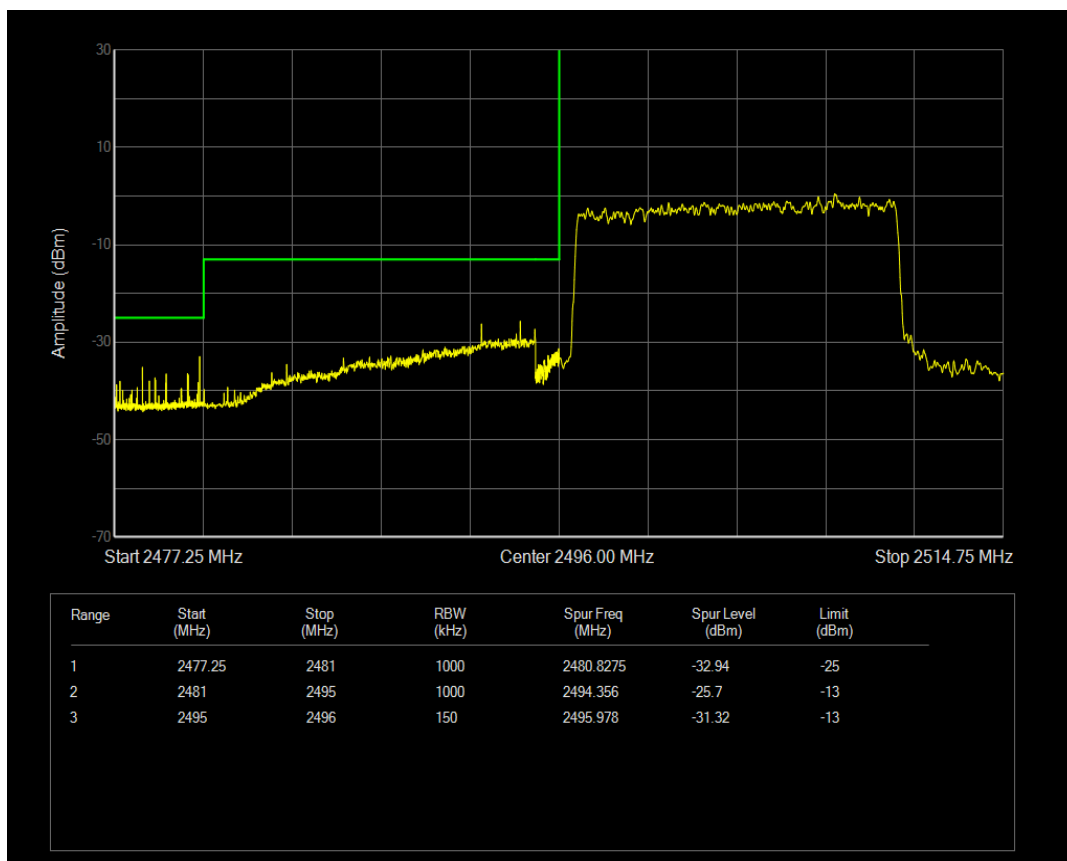
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0

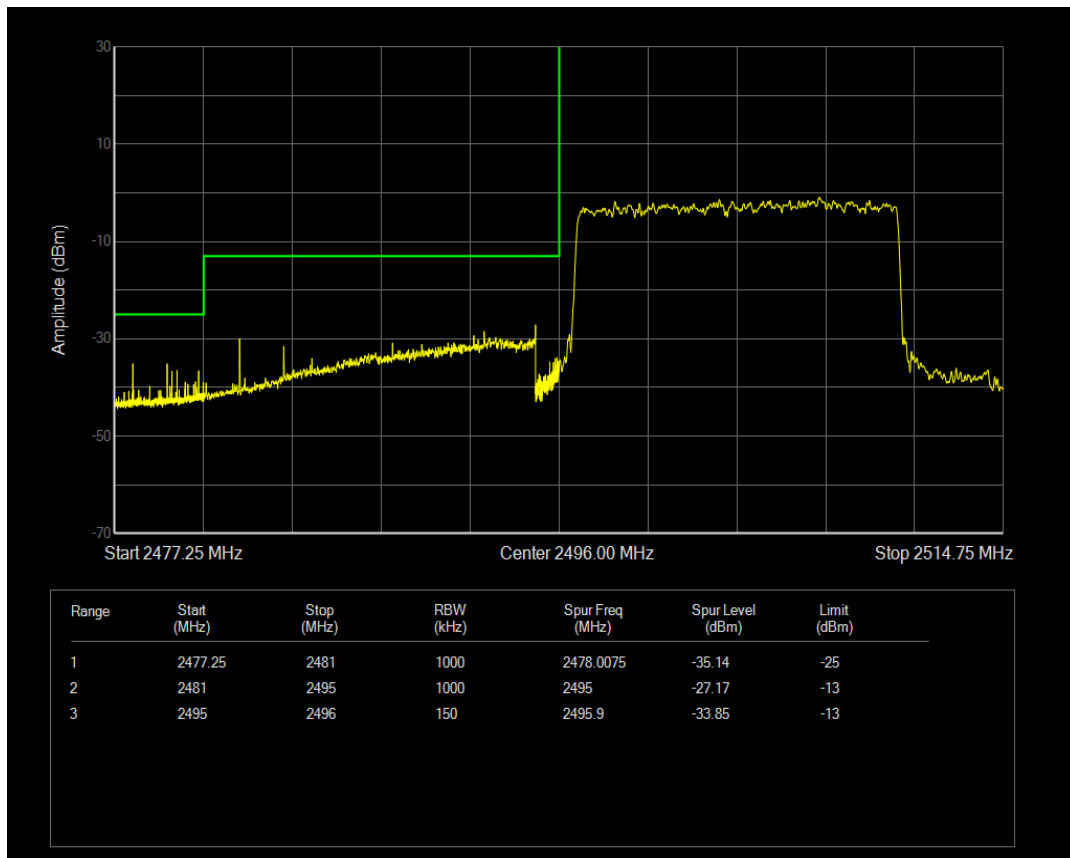


Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

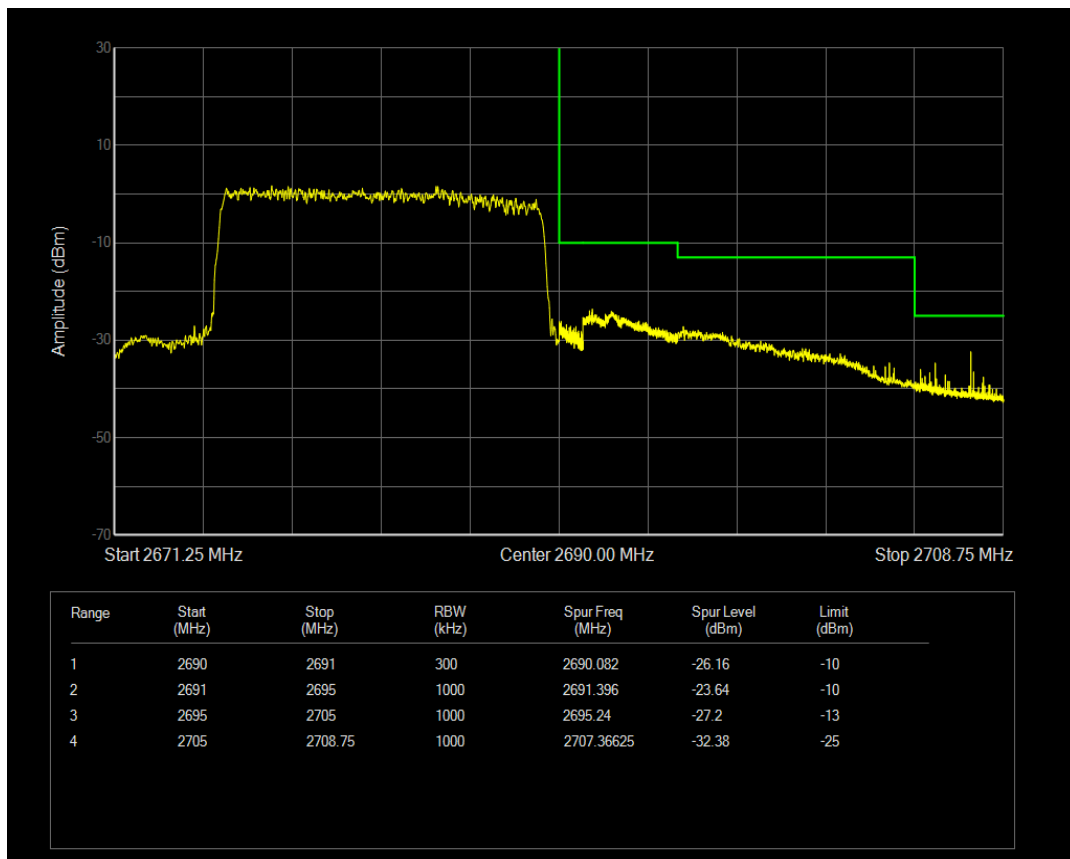




Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0

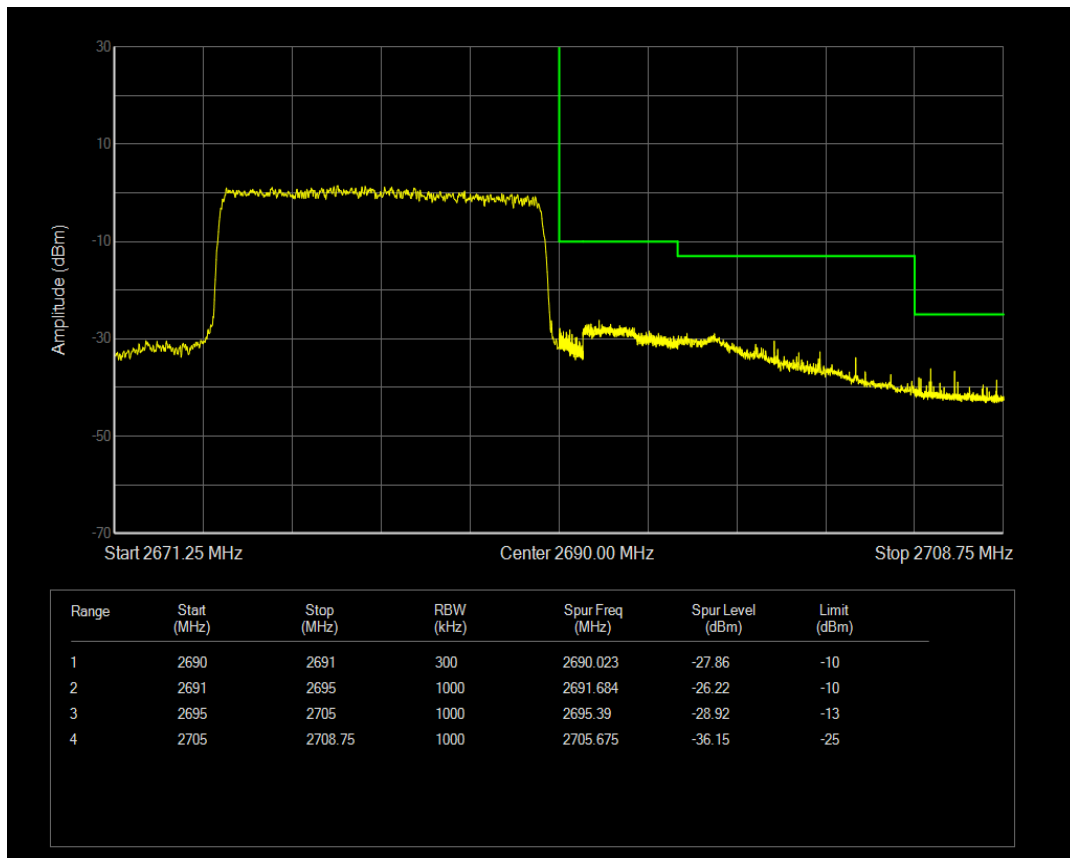


Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

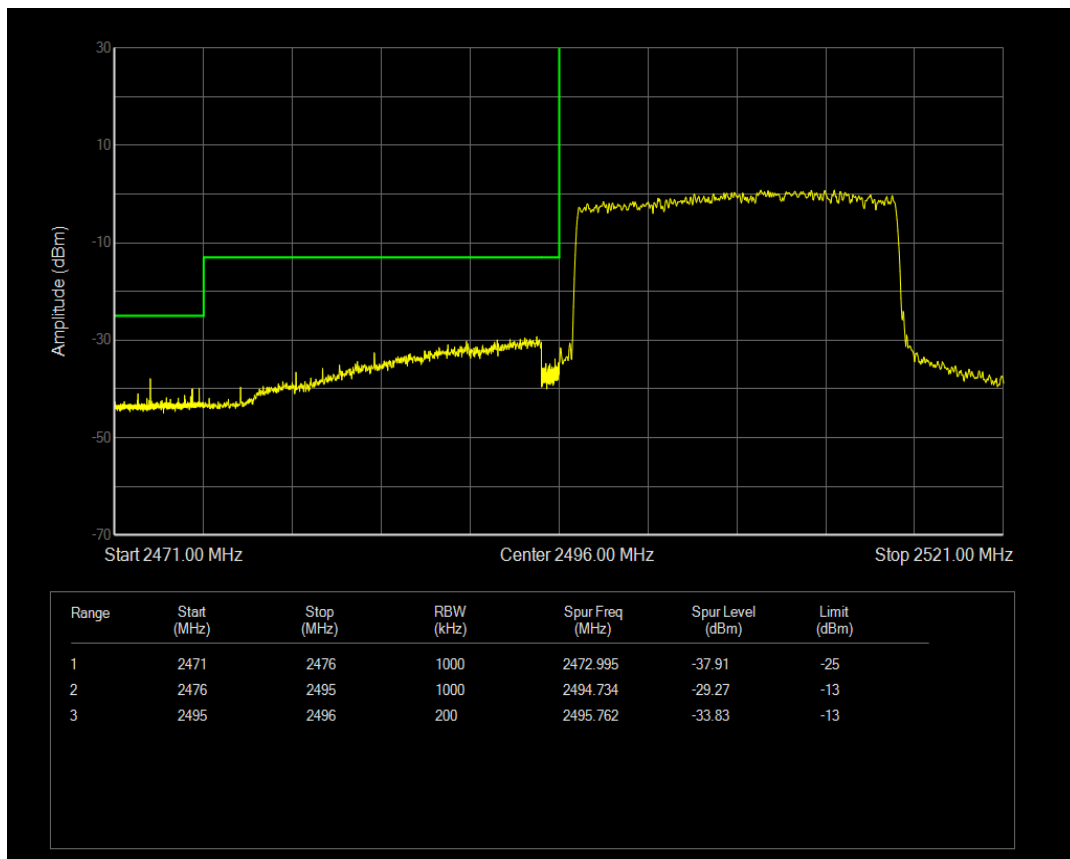




Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0

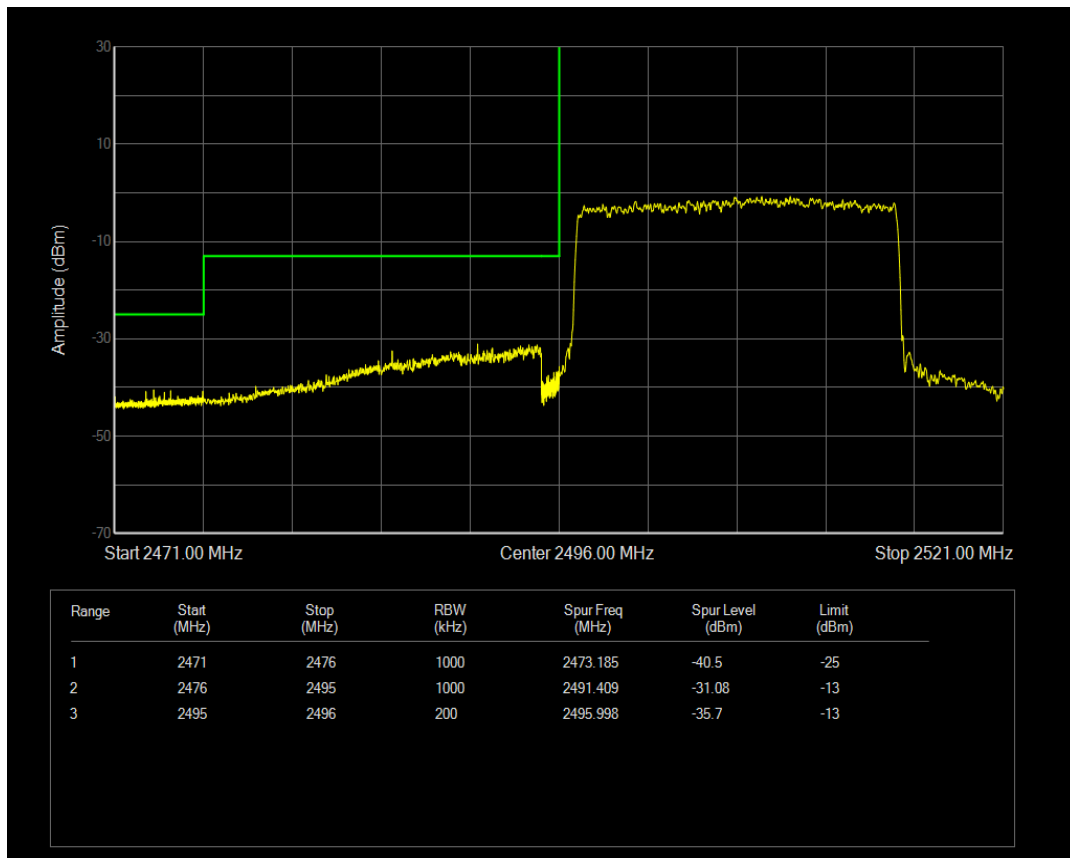


Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

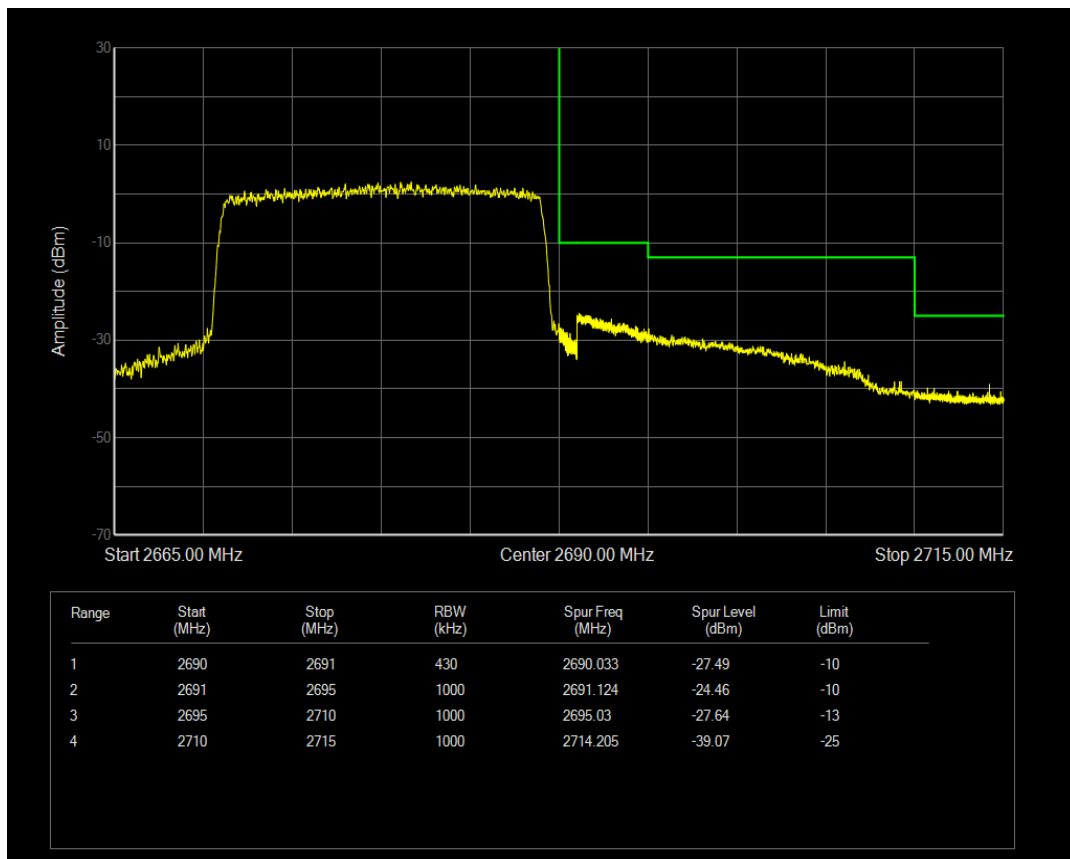




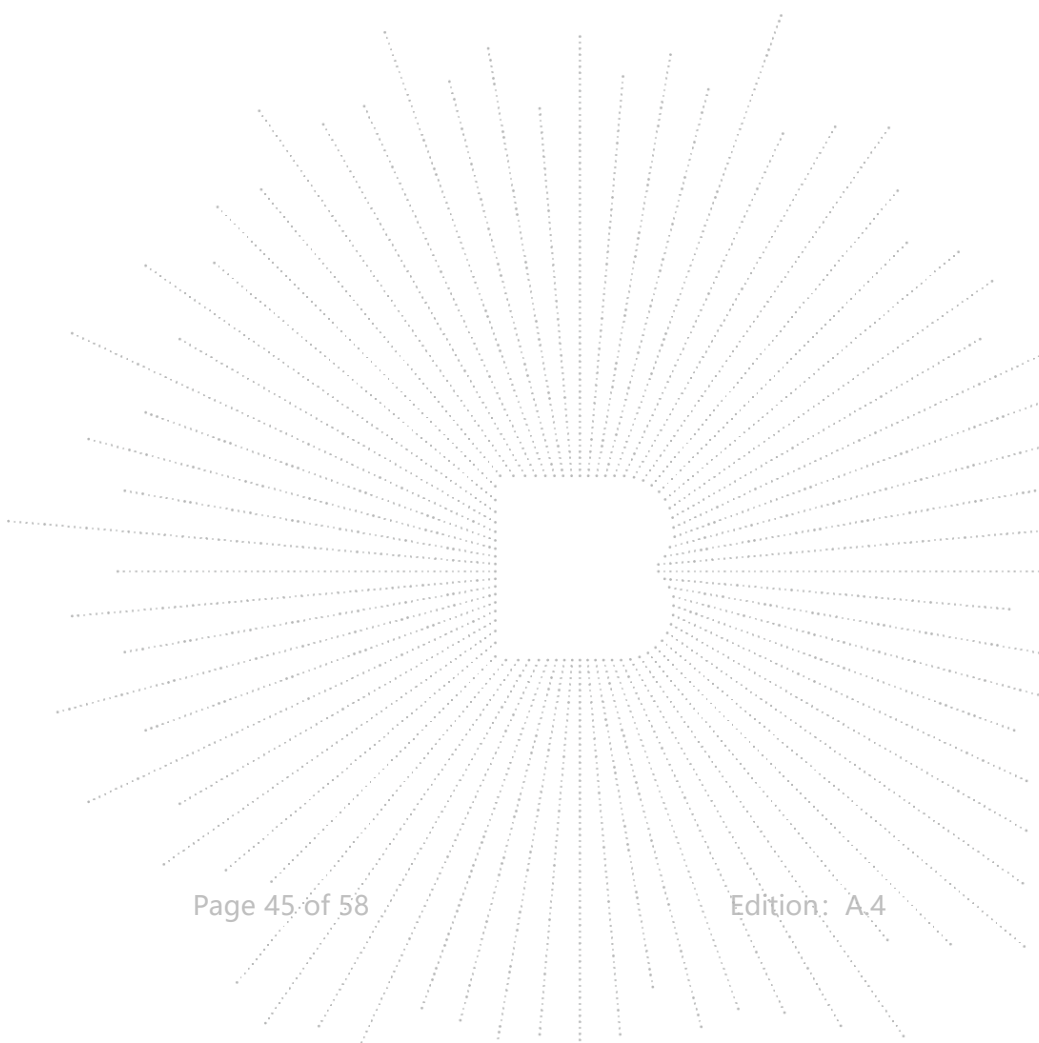
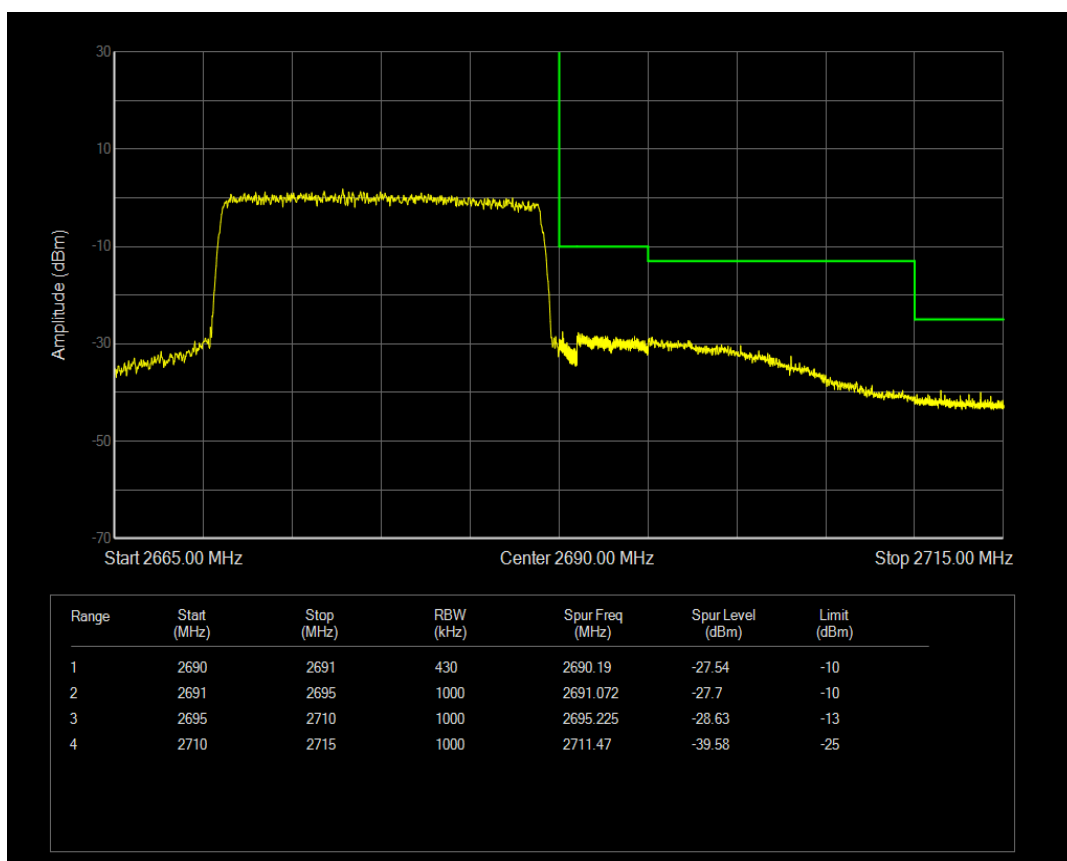
Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



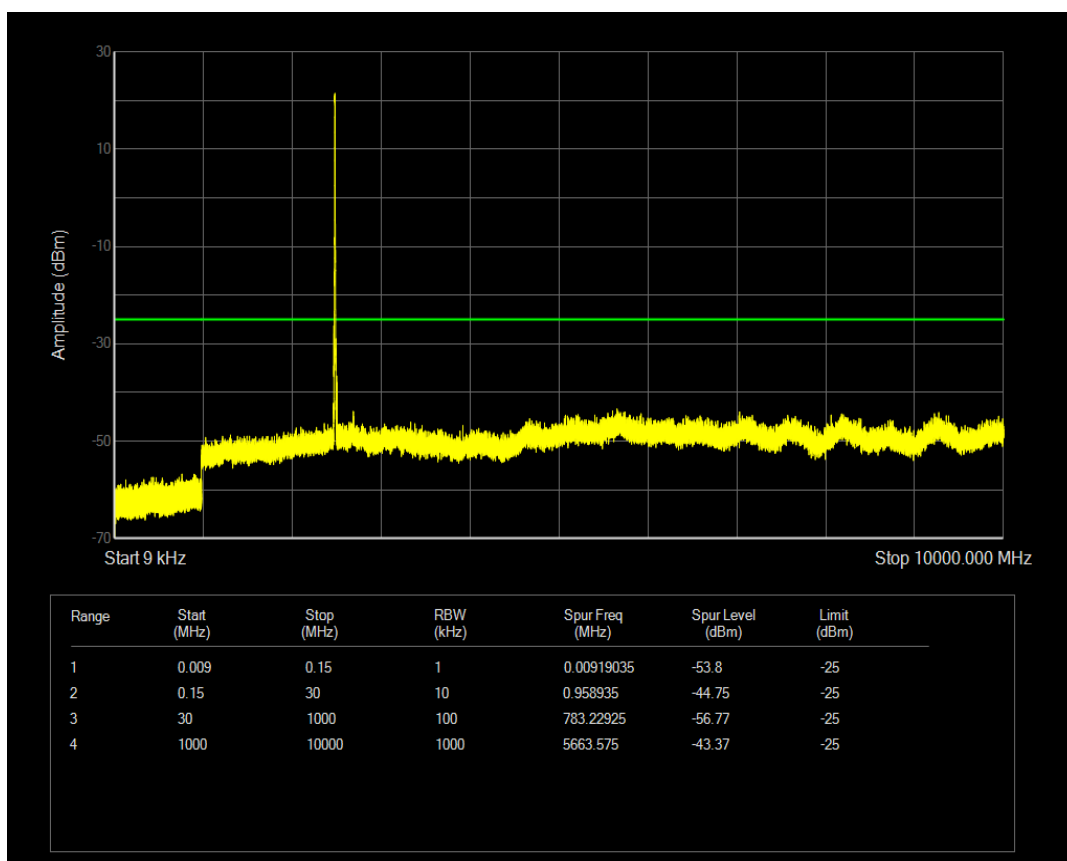
Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0



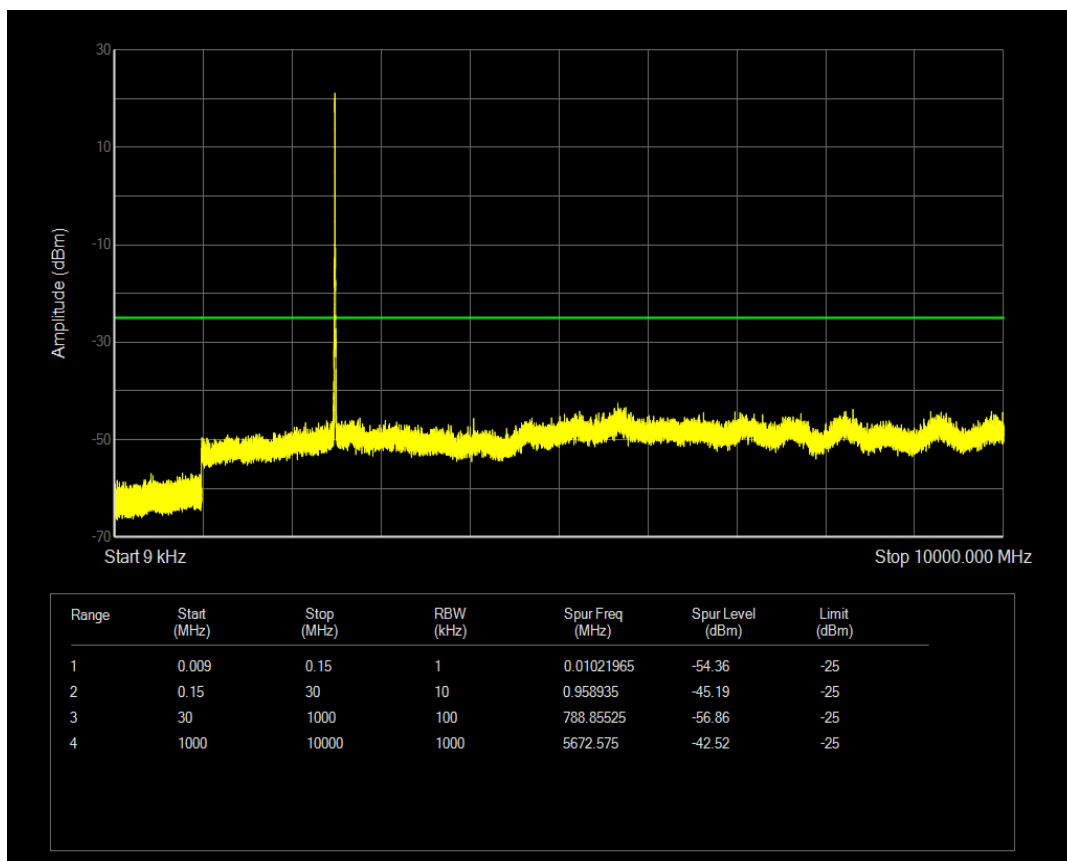
APPENDIX6. OUT-OF-BAND EMISSIONS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QPSK	5663.58	-43.37	-25	PASS
Band41	5	39675	25	#0	QAM16	5672.58	-42.52	-25	PASS
Band41	5	40620	25	#0	QPSK	5656.38	-42.54	-25	PASS
Band41	5	40620	25	#0	QAM16	9194.50	-43.68	-25	PASS
Band41	5	41565	25	#0	QPSK	5694.63	-43.09	-25	PASS
Band41	5	41565	25	#0	QAM16	5723.20	-43.12	-25	PASS
Band41	10	39700	50	#0	QPSK	5701.83	-43.58	-25	PASS
Band41	10	39700	50	#0	QAM16	7124.05	-43.66	-25	PASS
Band41	10	40620	50	#0	QPSK	5676.63	-42.85	-25	PASS
Band41	10	40620	50	#0	QAM16	5595.85	-43.15	-25	PASS
Band41	10	41540	50	#0	QPSK	9296.43	-43.13	-25	PASS
Band41	10	41540	50	#0	QAM16	5697.55	-43.04	-25	PASS
Band41	15	39725	75	#0	QPSK	5709.93	-42.36	-25	PASS
Band41	15	39725	75	#0	QAM16	5629.15	-43.31	-25	PASS
Band41	15	40620	75	#0	QPSK	5671.00	-43.25	-25	PASS
Band41	15	40620	75	#0	QAM16	5670.33	-42.34	-25	PASS
Band41	15	41515	75	#0	QPSK	8251.75	-43.06	-25	PASS
Band41	15	41515	75	#0	QAM16	9258.85	-42.54	-25	PASS
Band41	20	39750	100	#0	QPSK	5687.20	-43.37	-25	PASS
Band41	20	39750	100	#0	QAM16	5761.00	-43.29	-25	PASS
Band41	20	40620	100	#0	QPSK	0.96	-43.44	-25	PASS
Band41	20	40620	100	#0	QAM16	5672.80	-42.23	-25	PASS
Band41	20	41490	100	#0	QPSK	5675.73	-42.67	-25	PASS
Band41	20	41490	100	#0	QAM16	7605.10	-42.85	-25	PASS

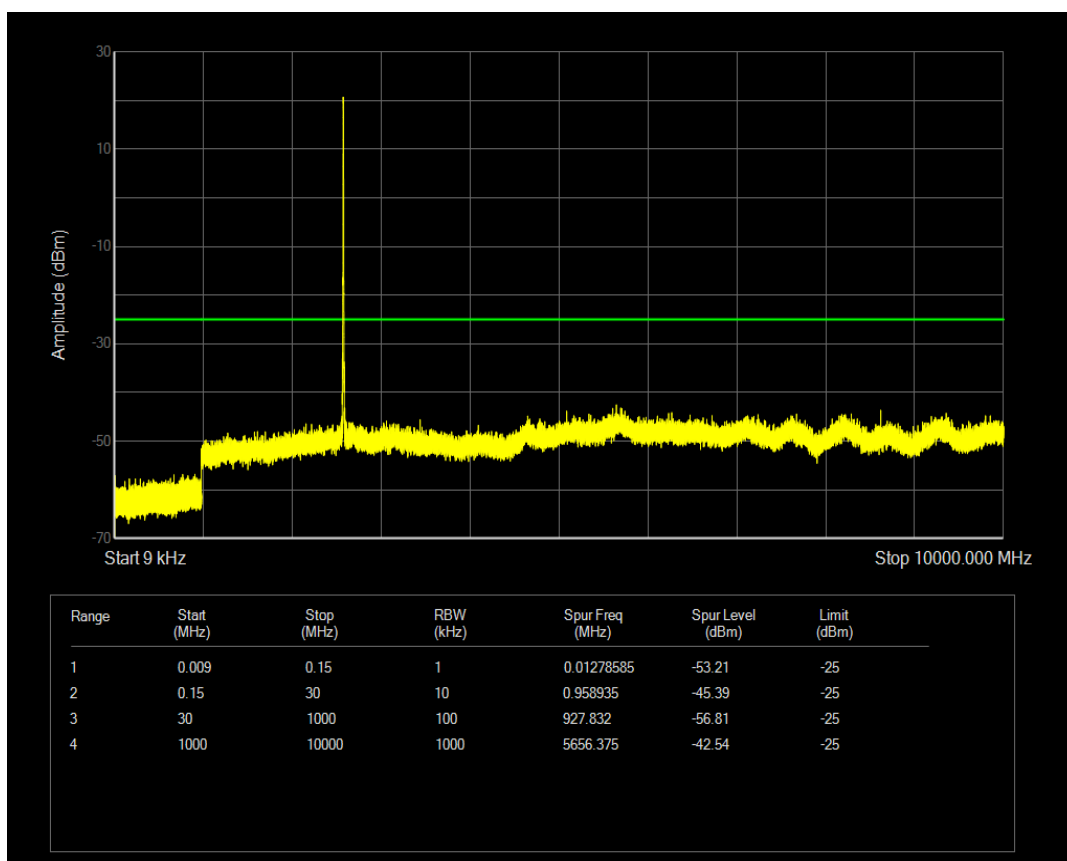
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



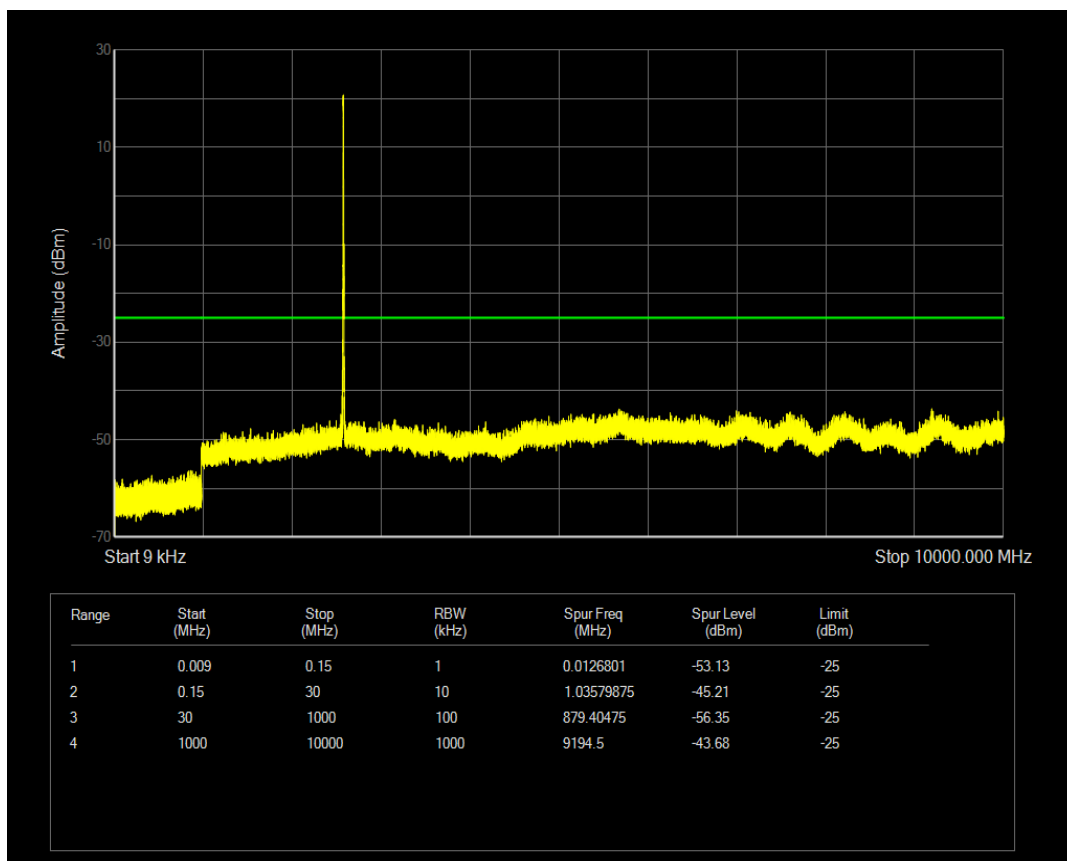
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



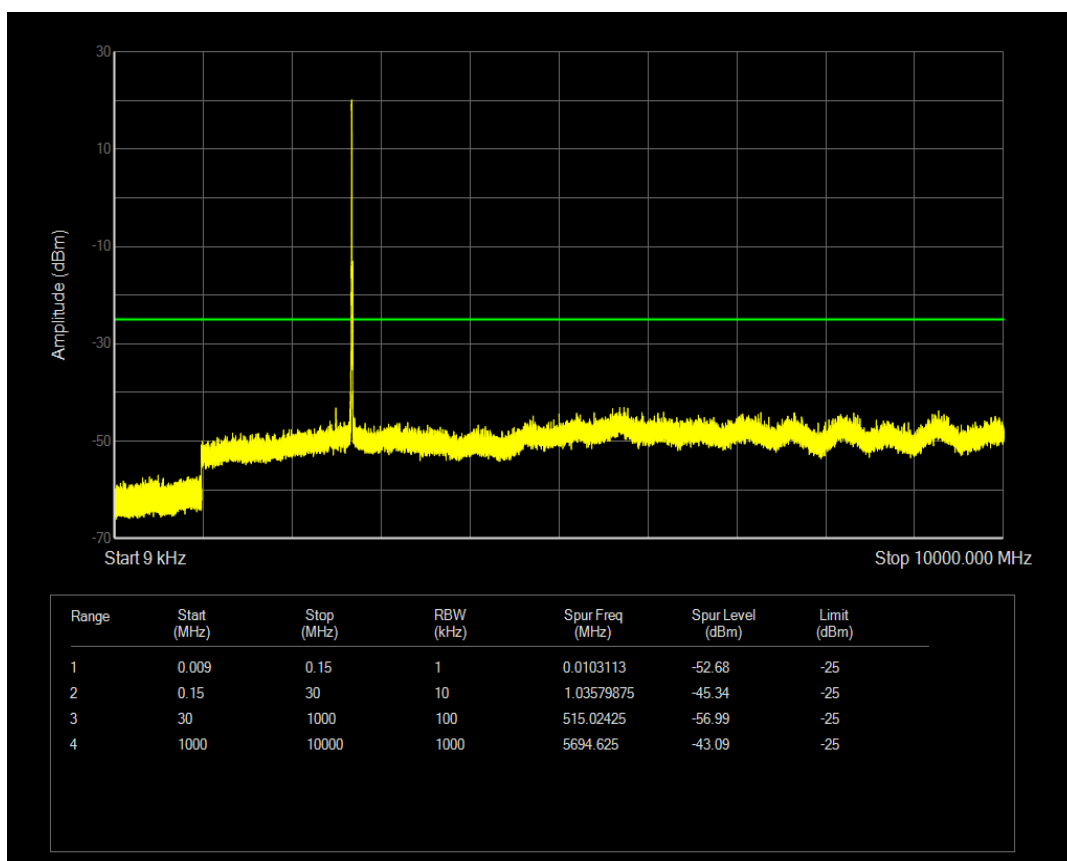
Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



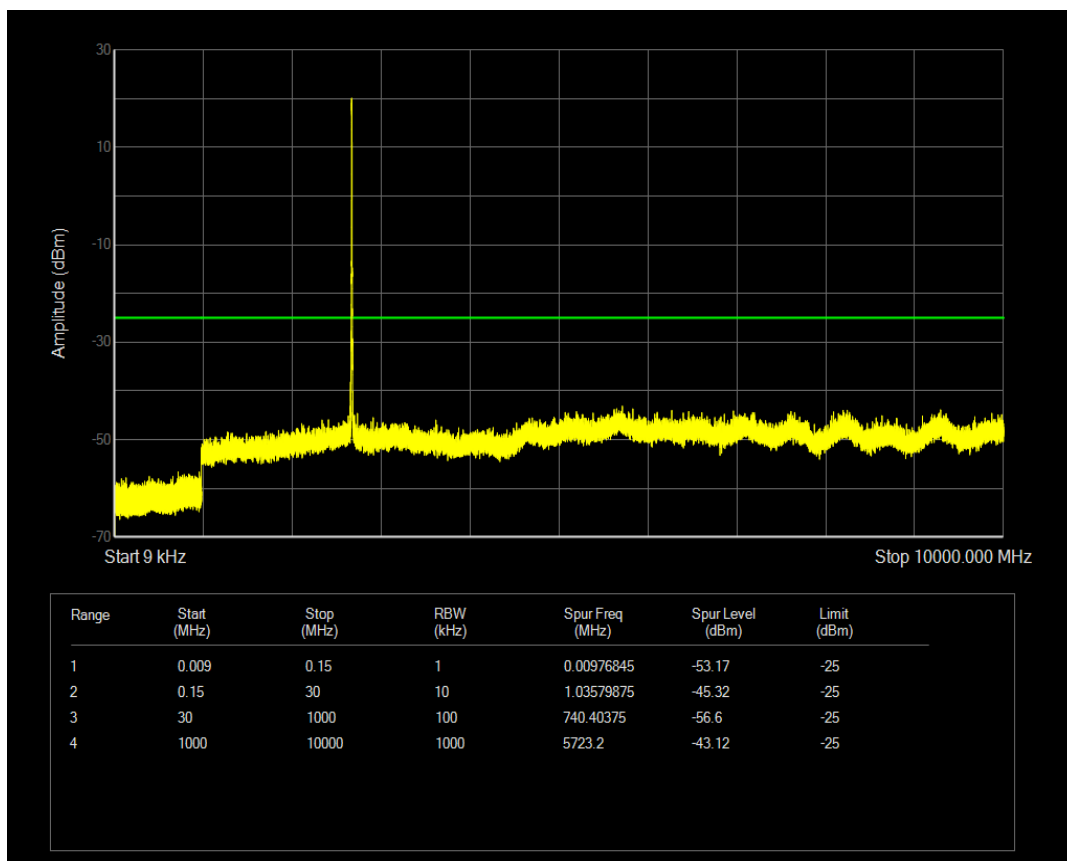
Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0



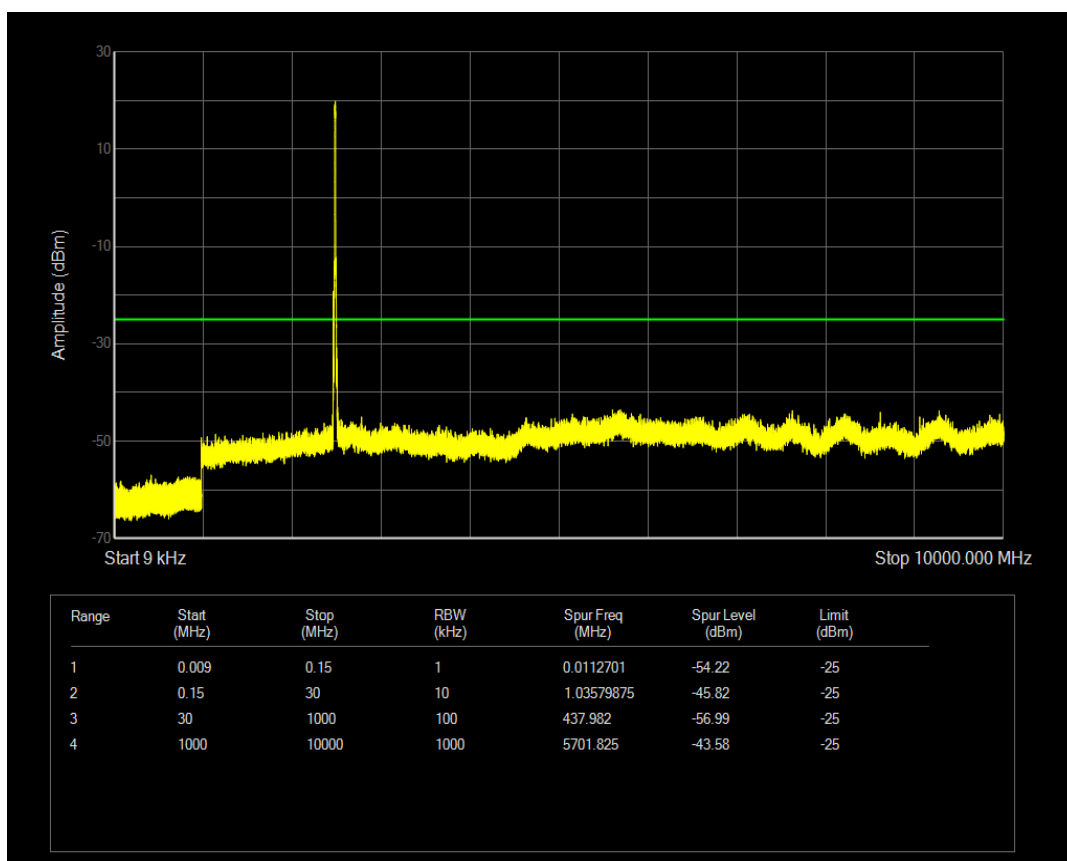
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



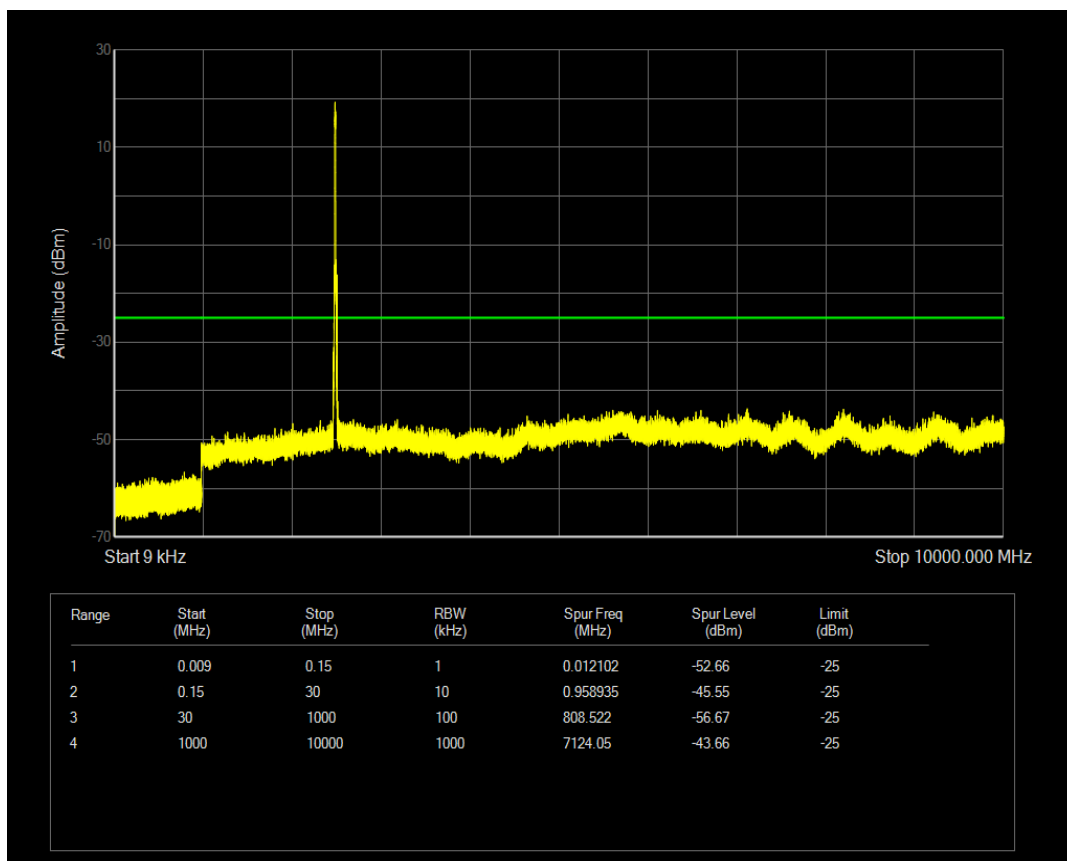
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

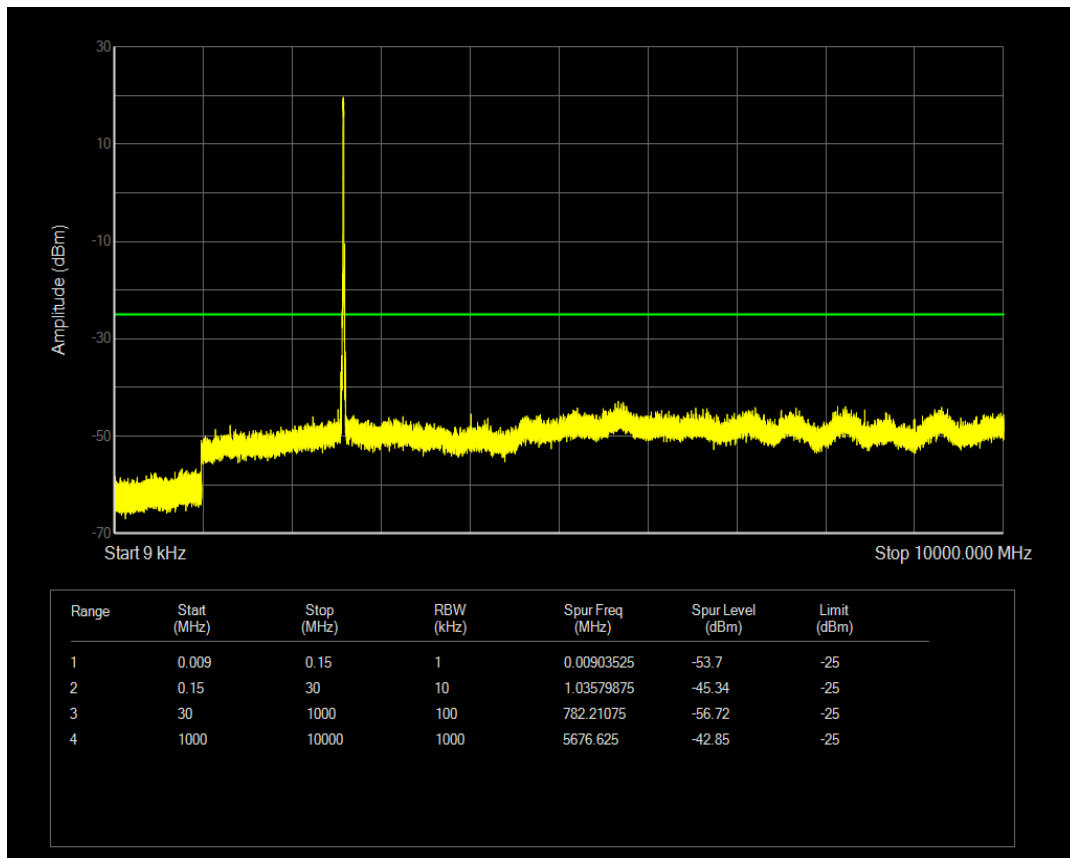


Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0

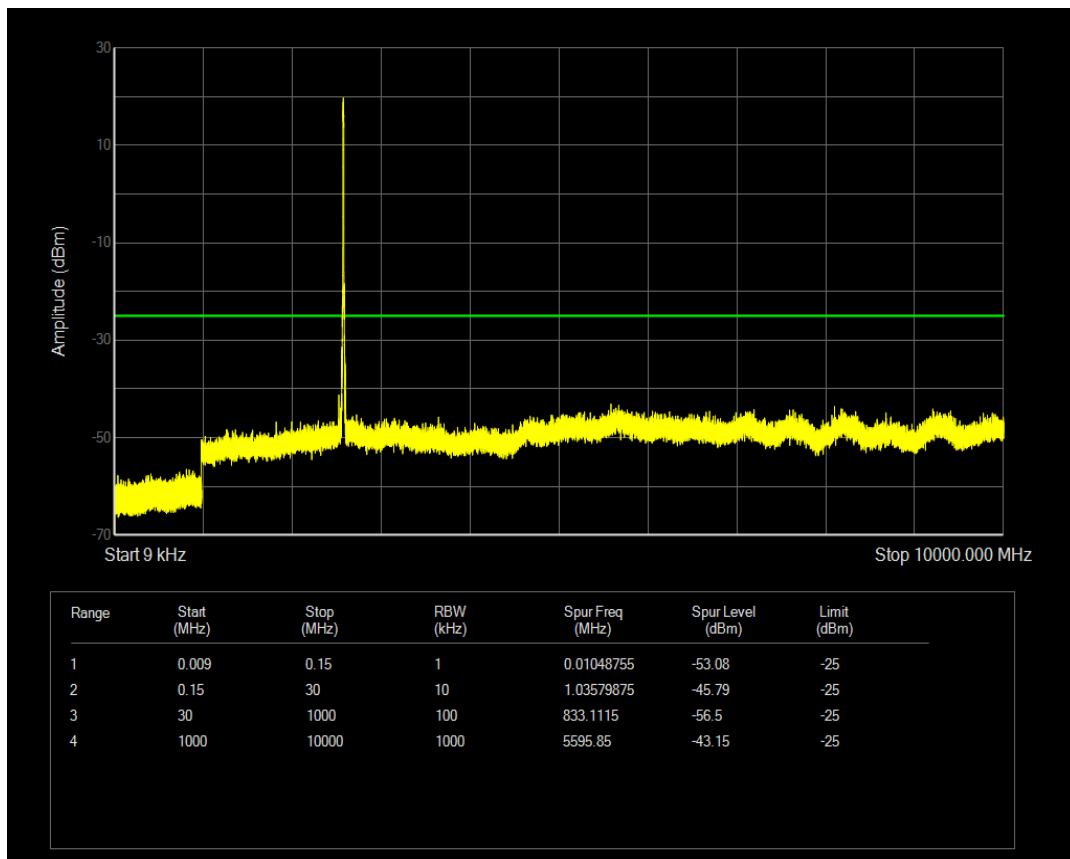




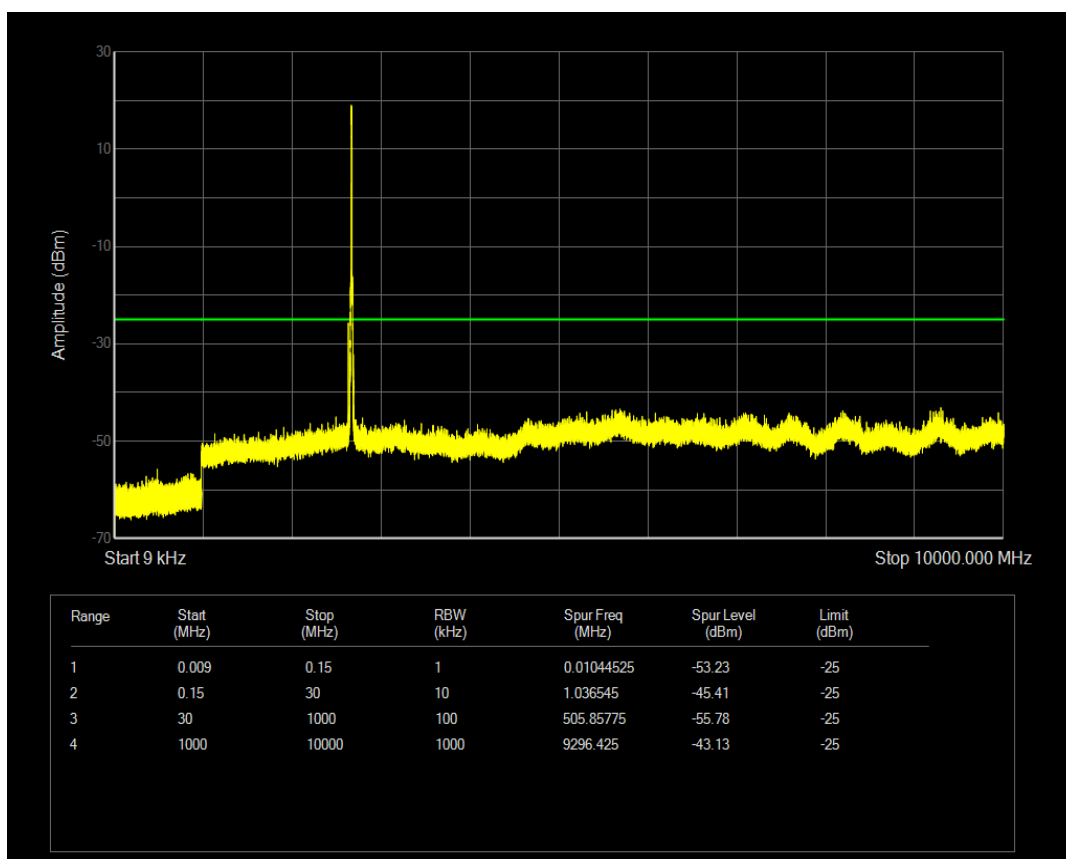
Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



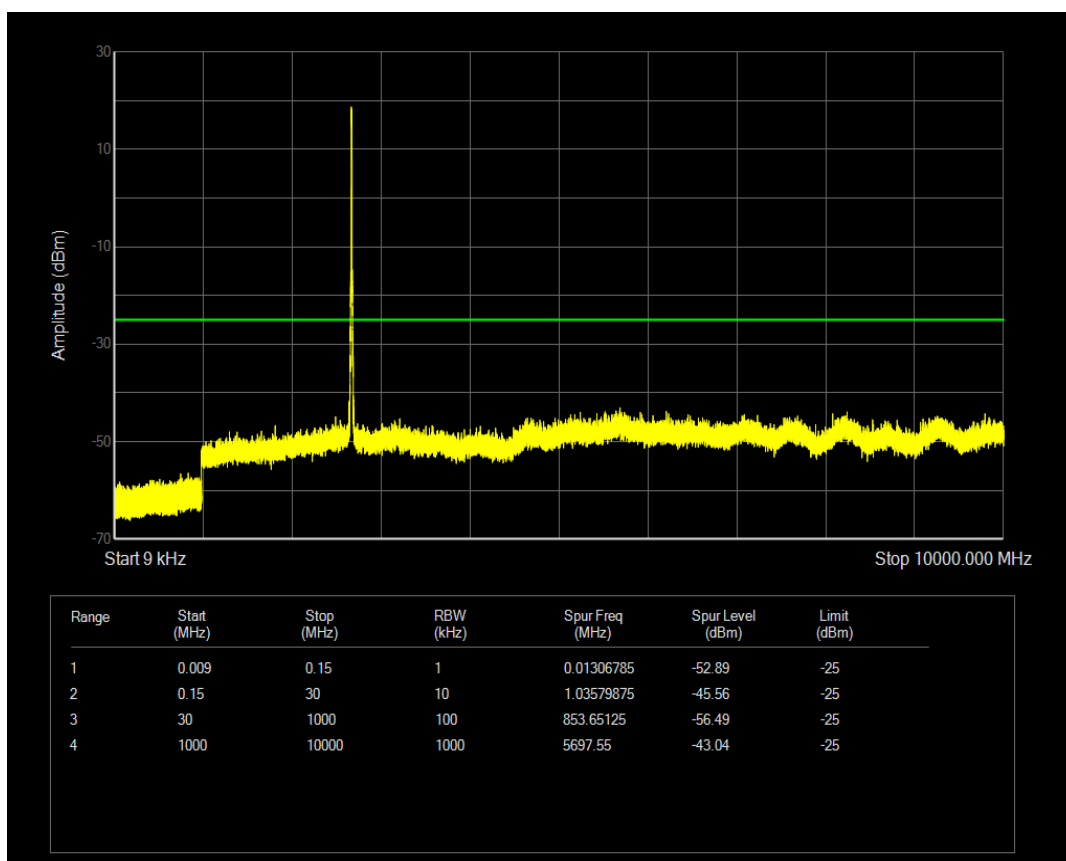
Band41 QAM16 BW=10MHz Channel=40620 RB Size=50 Position=#0



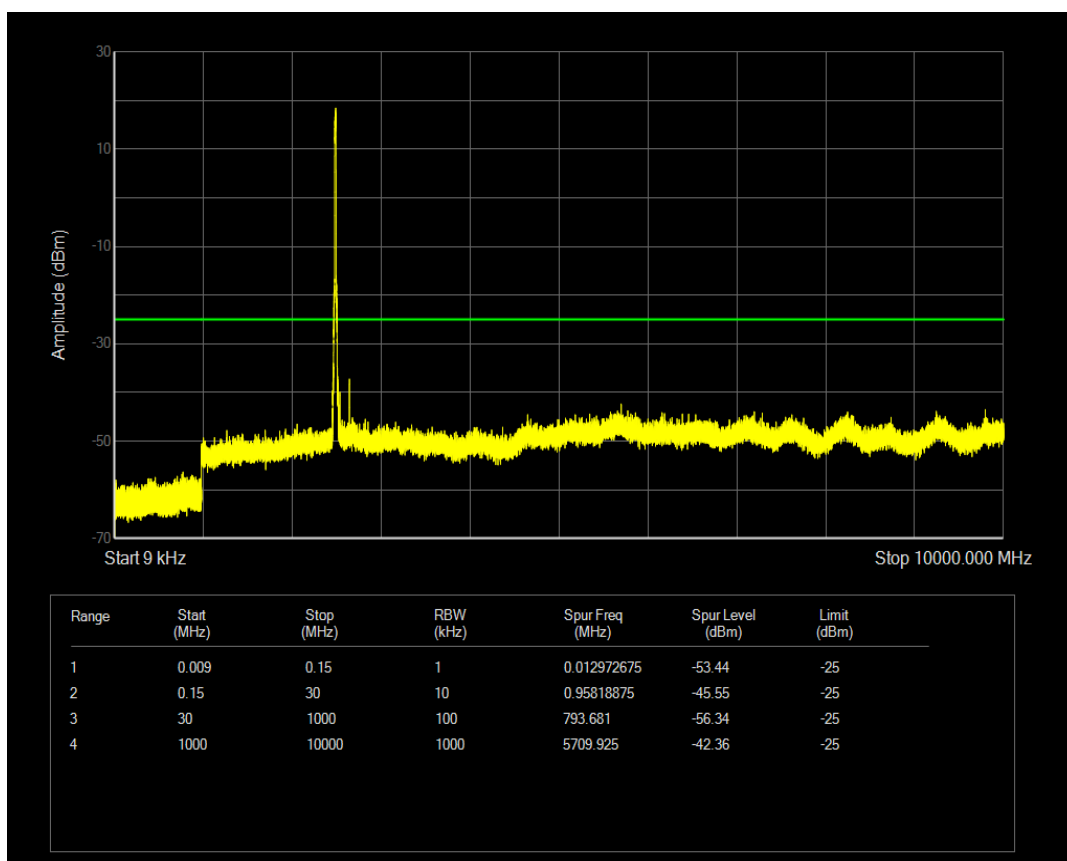
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



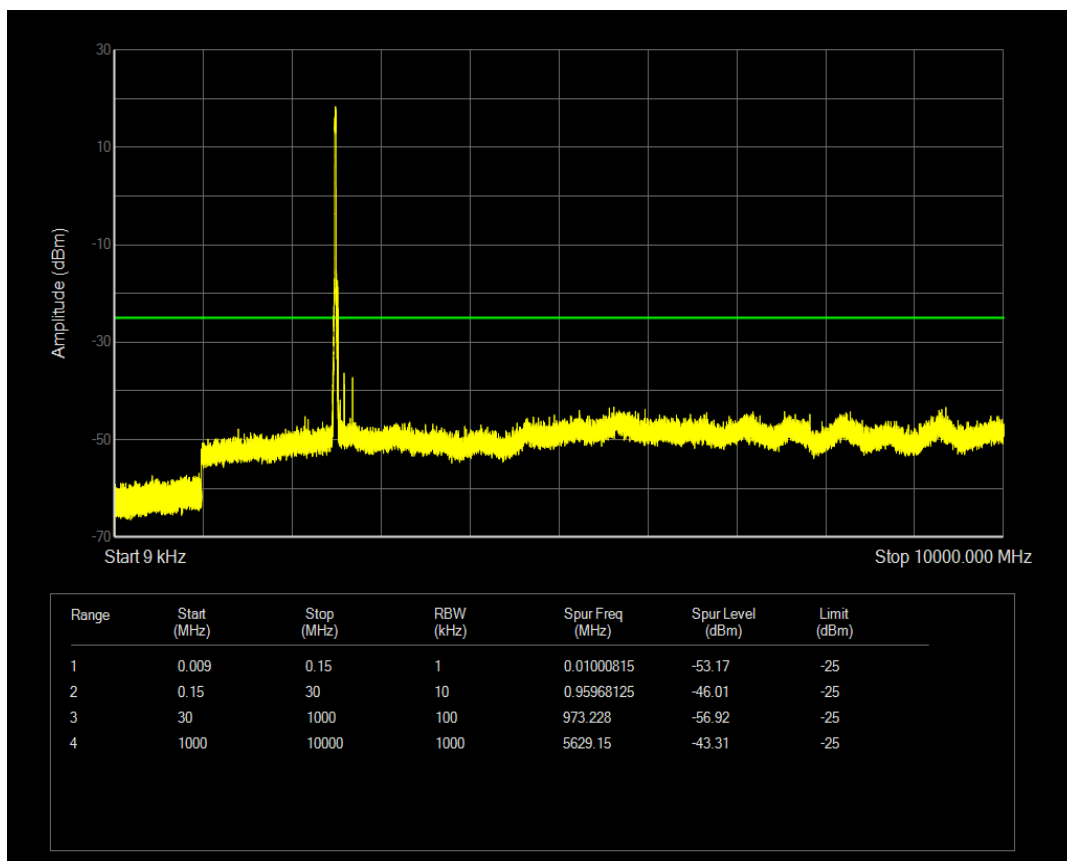
Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0



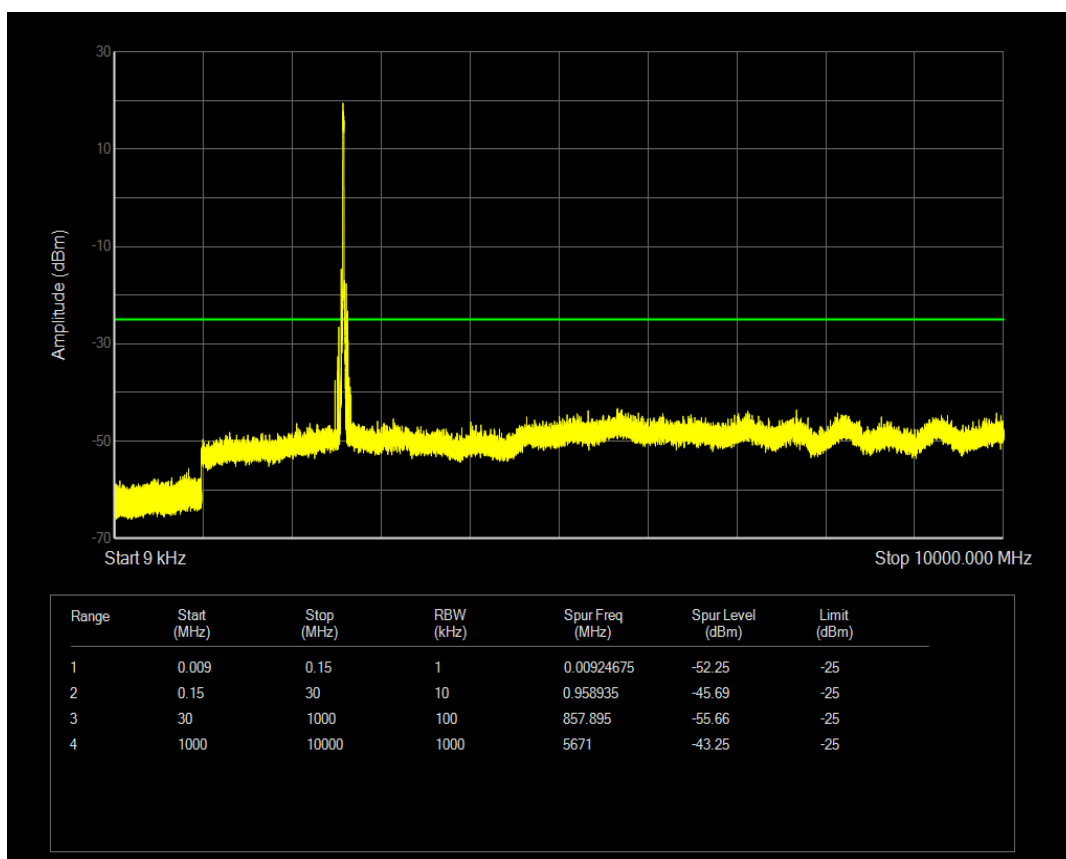
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



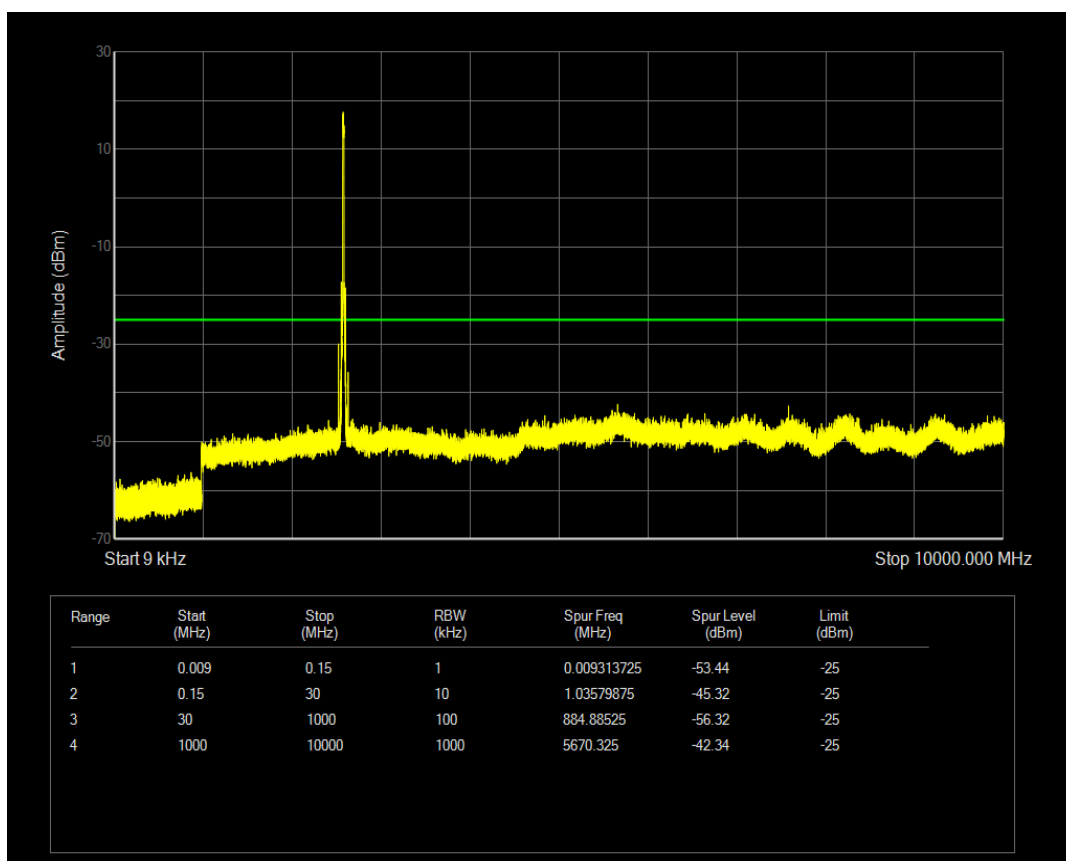
Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0



Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

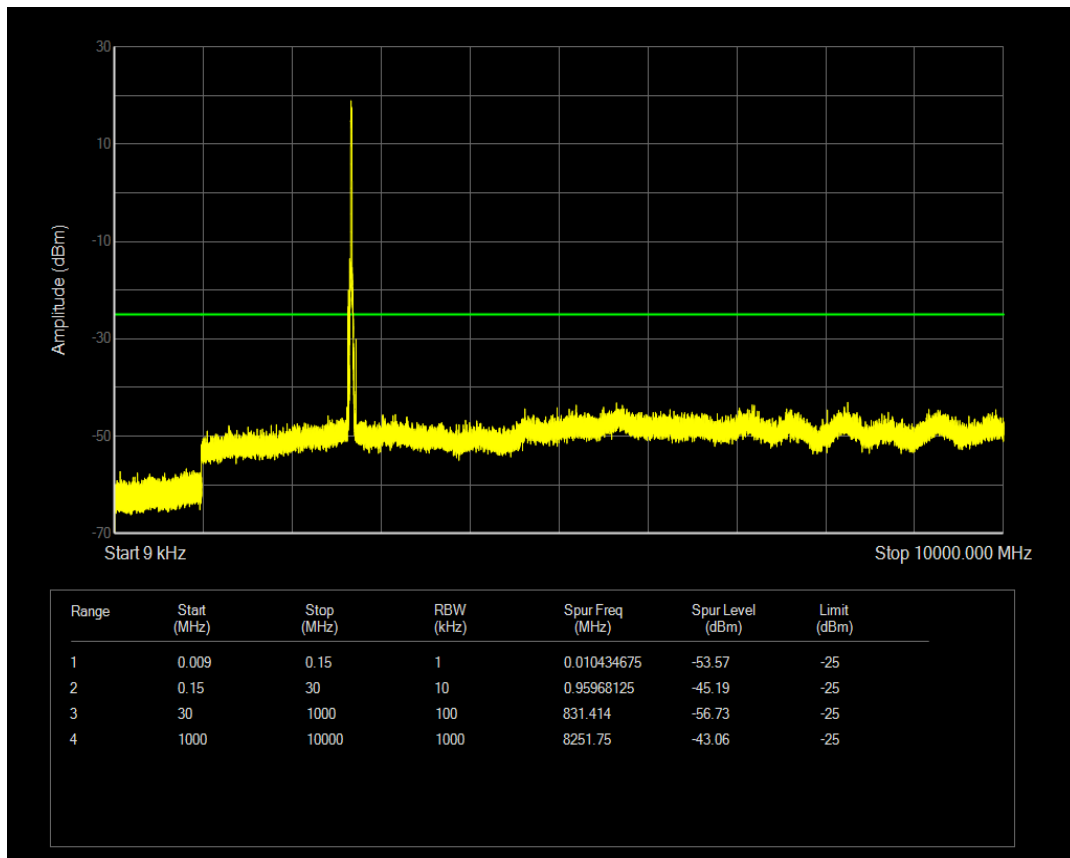


Band41 QAM16 BW=15MHz Channel=40620 RB Size=75 Position=#0

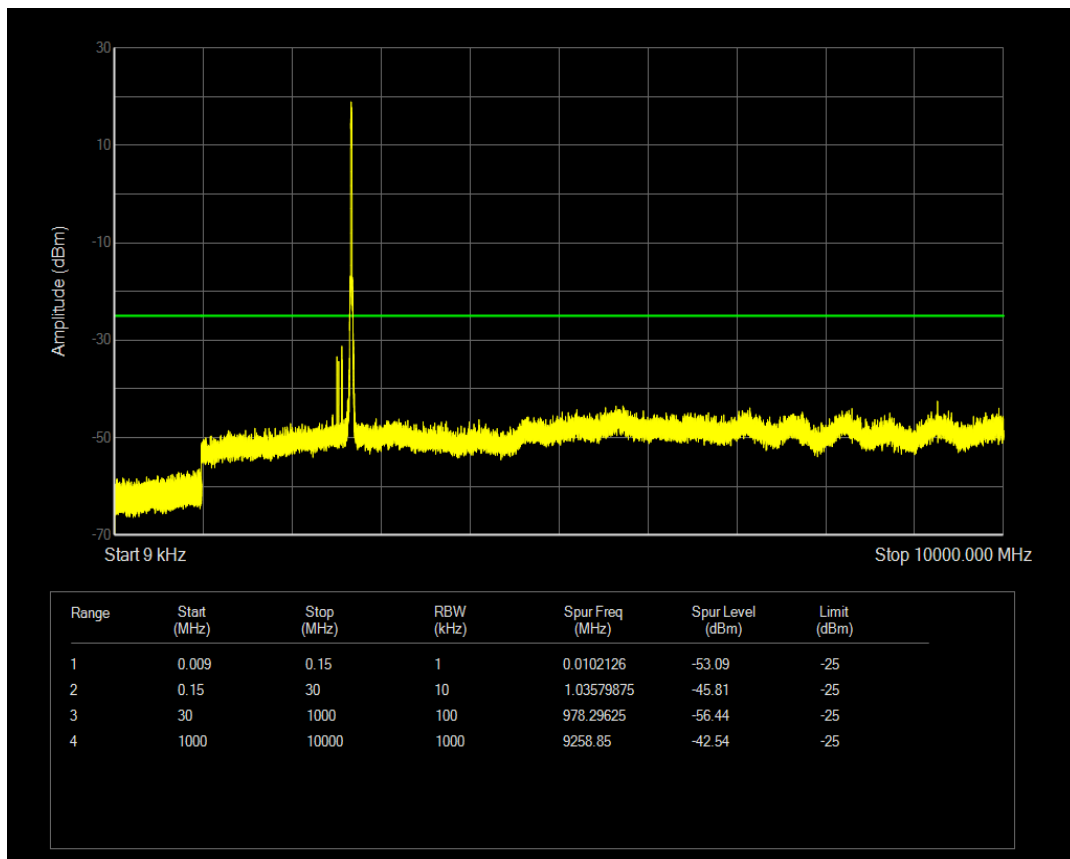




Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

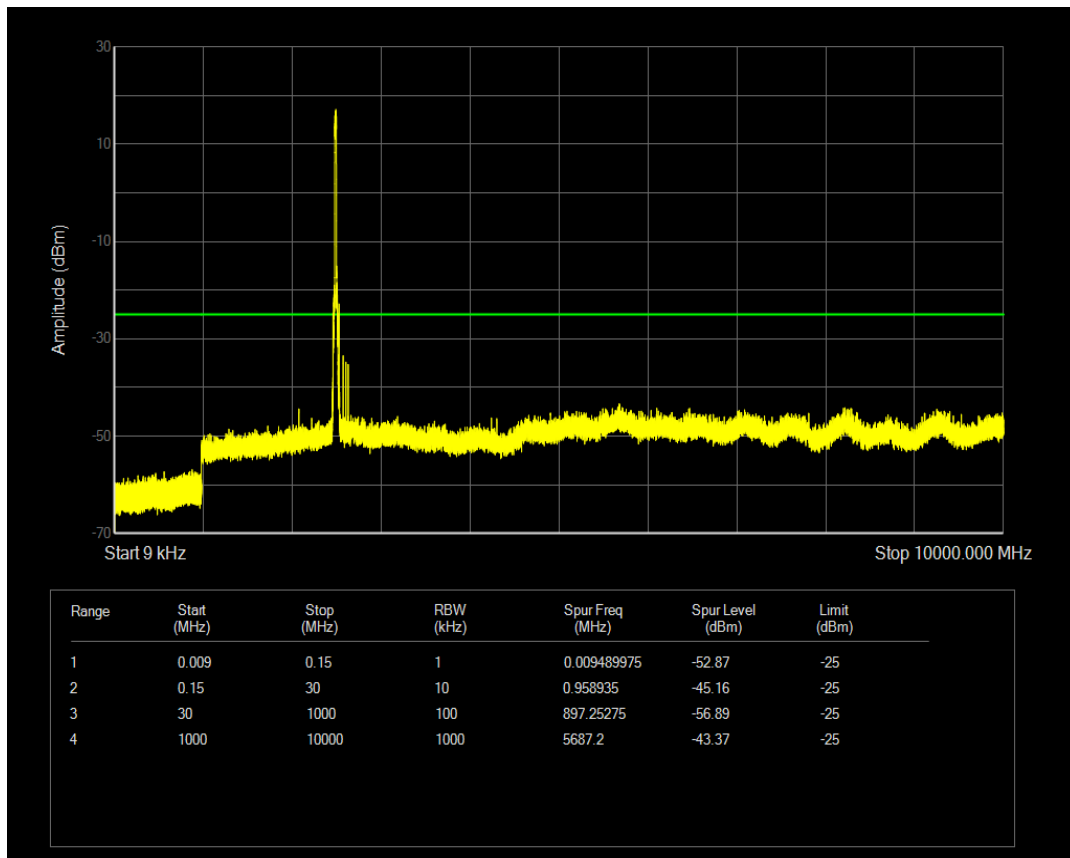


Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0

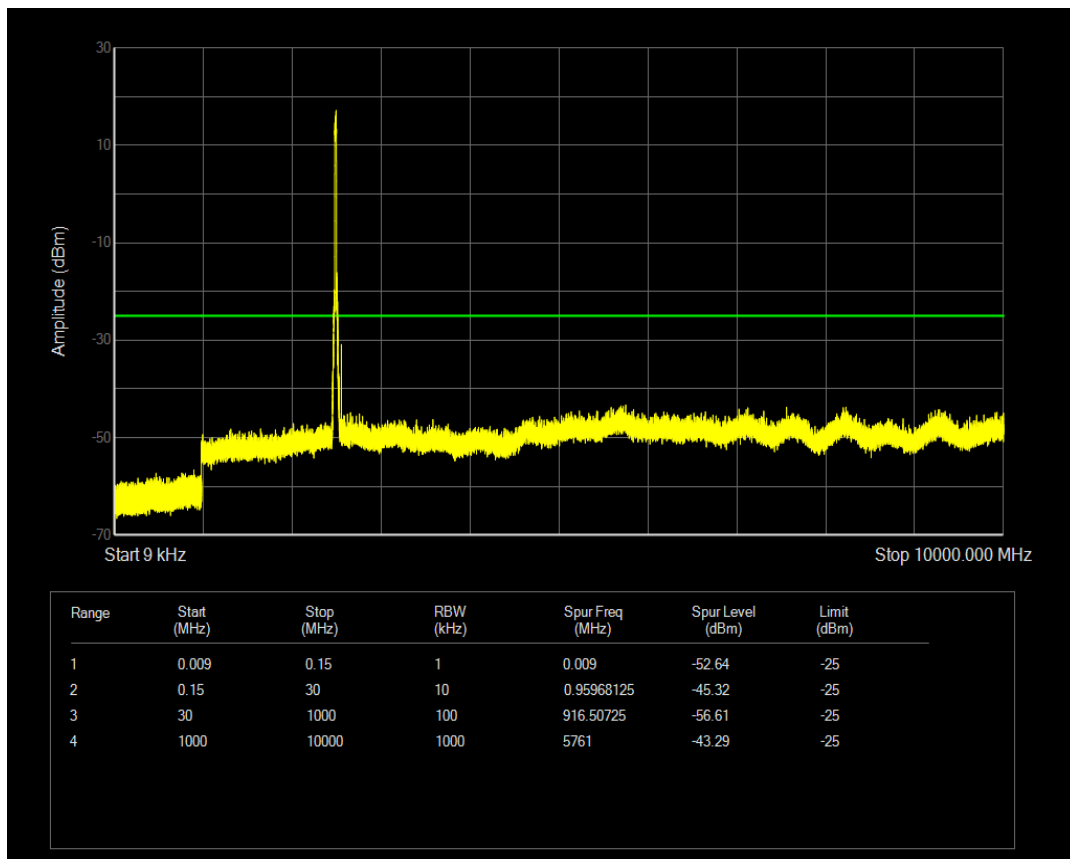




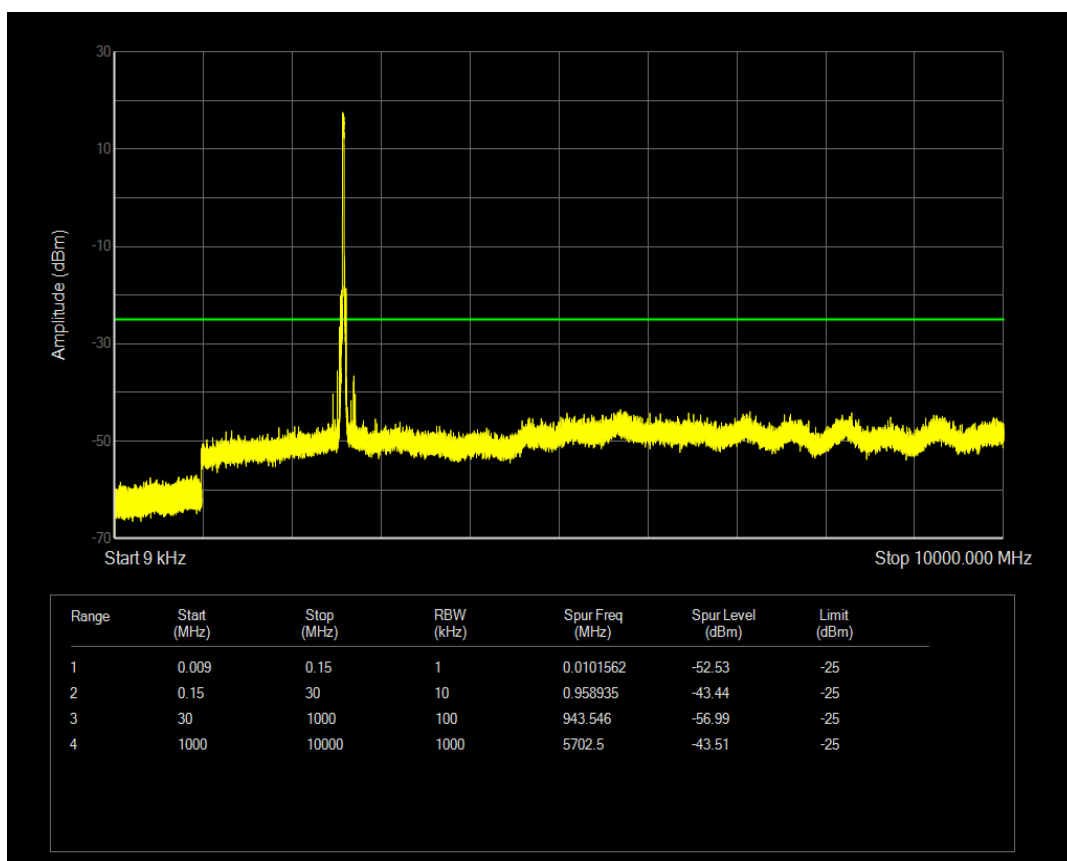
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



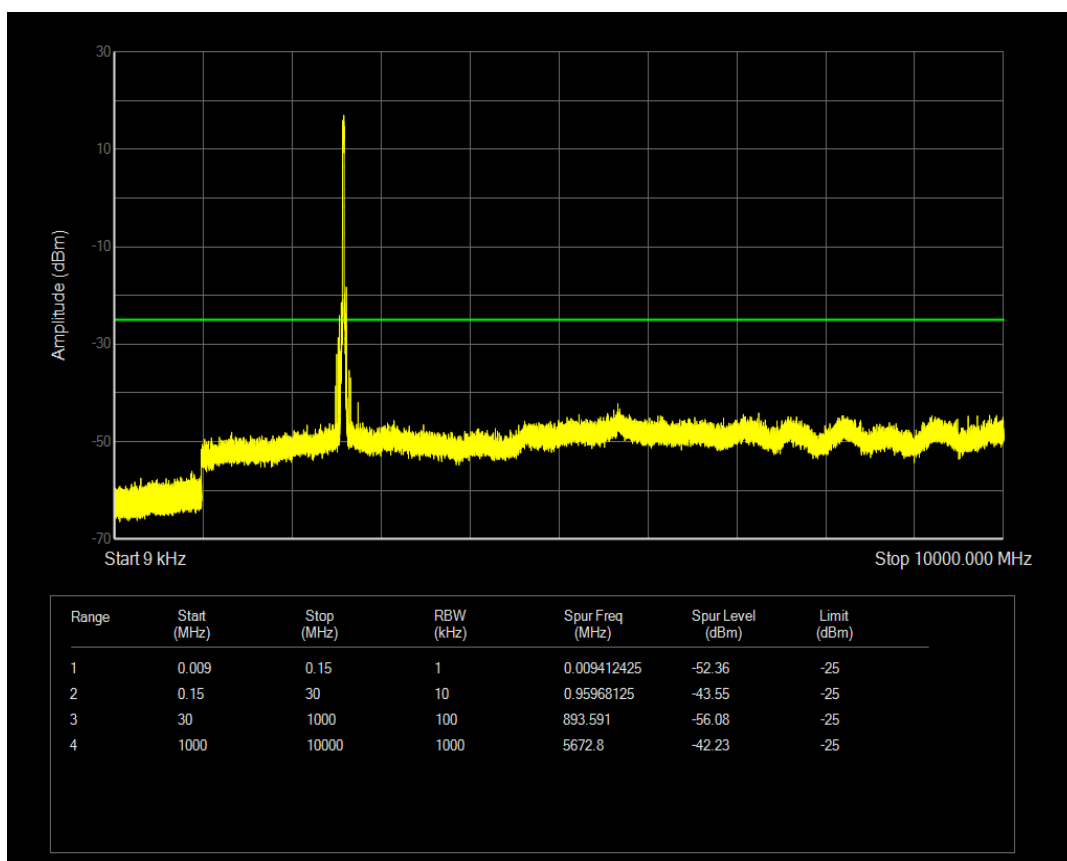
Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0



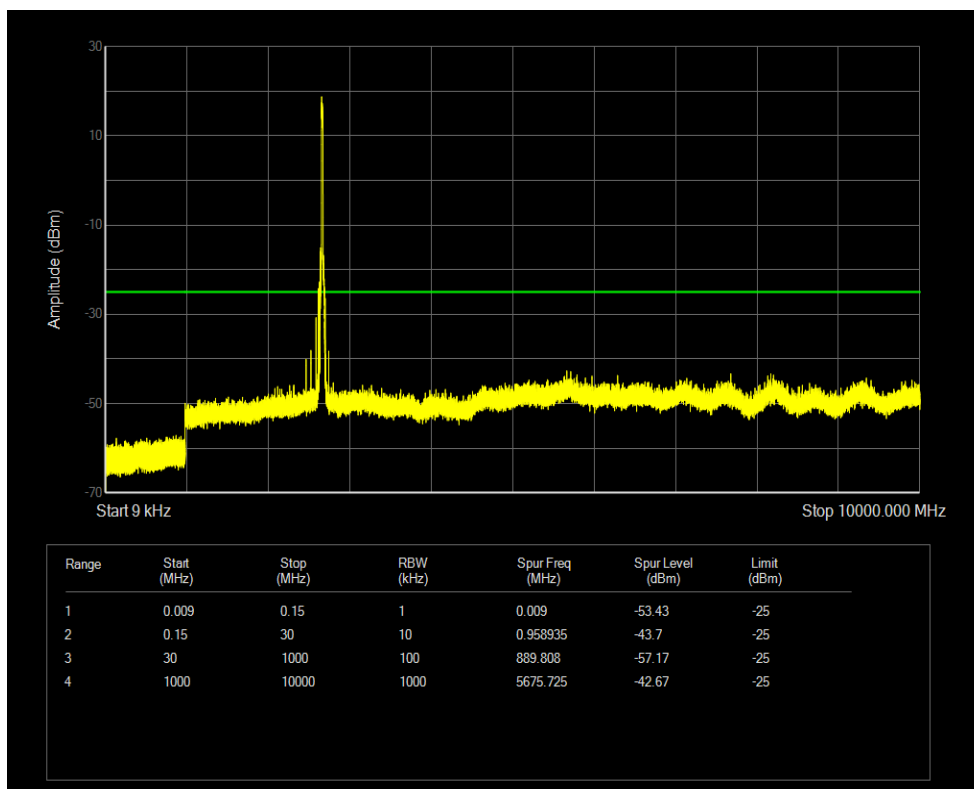
Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



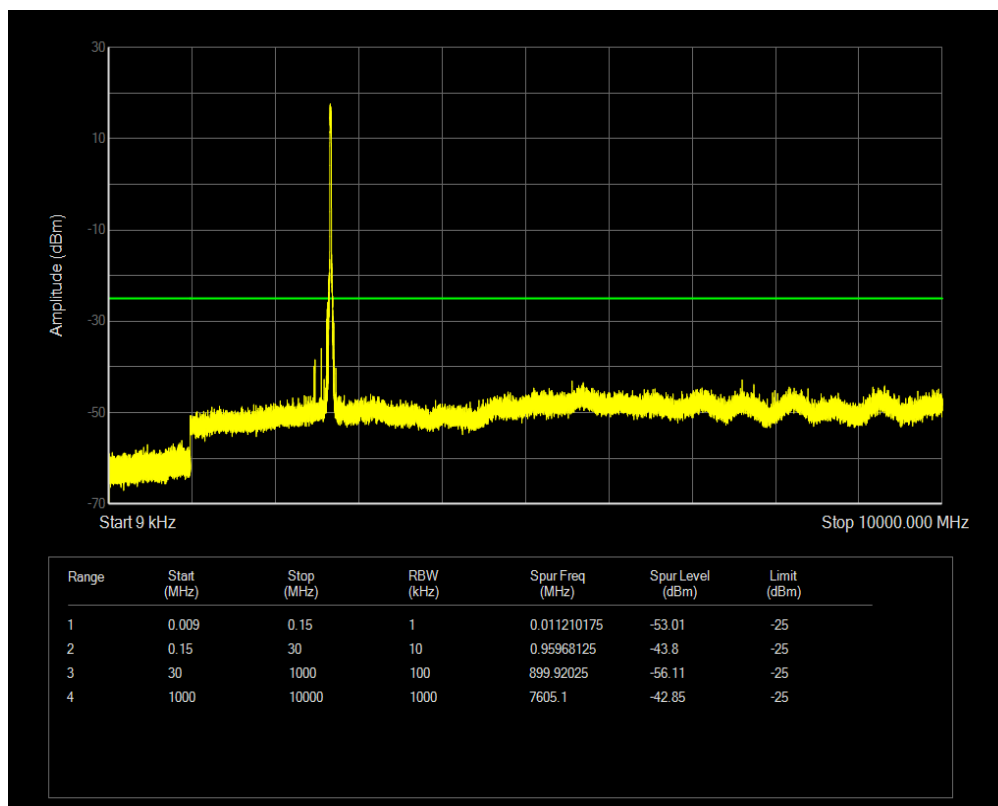
Band41 QAM16 BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0



Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0



***** END *****

Appendix1. 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
Band4_1	5	39675	25	#0	QPSK	NV	-30	1.90	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	NV	-20	1.97	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	NV	0	2.40	0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	NV	10	0.07	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QPSK	NV	20	-1.60	-0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	-30	0.17	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	-20	-0.96	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	0	0.84	0.000	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	10	-2.19	-0.001	-2.5	2.5	PASS
Band4_1	5	39675	25	#0	QAM16	NV	20	1.53	0.001	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	-30	-2.85	-0.001	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	-20	-0.90	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	0	-1.07	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	10	-1.42	-0.001	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QPSK	NV	20	-0.36	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	NV	-30	-1.23	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	NV	-20	-0.51	0.000	-2.5	2.5	PASS
Band4_1	5	40620	25	#0	QAM16	NV	0	2.63	0.001	-2.5	2.5	PASS

Band4 1	5	40620	25	#0	QAM16	NV	10	-0.93	0.000	-2.5	2.5	PASS
Band4 1	5	40620	25	#0	QAM16	NV	20	0.96	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QPSK	NV	-30	0.03	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QPSK	NV	-20	0.67	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QPSK	NV	0	0.83	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QPSK	NV	10	1.02	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QPSK	NV	20	1.56	0.001	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QAM16	NV	-30	-1.43	-0.00 1	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QAM16	NV	-20	-0.94	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QAM16	NV	0	-0.97	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QAM16	NV	10	0.41	0.000	-2.5	2.5	PASS
Band4 1	5	41565	25	#0	QAM16	NV	20	0.83	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	NV	-30	0.23	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	NV	-20	0.99	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	NV	0	2.43	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	NV	10	-0.14	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QPSK	NV	20	0.27	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	-30	0.41	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	-20	3.29	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	0	2.30	0.001	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	10	0.43	0.000	-2.5	2.5	PASS
Band4 1	10	39700	50	#0	QAM16	NV	20	0.99	0.000	-2.5	2.5	PASS

Band4 1	10	40620	50	#0	QPSK	NV	-30	-2.17	-0.00 1	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	NV	-20	-0.23	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	NV	0	-0.23	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	NV	10	2.20	0.001	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QPSK	NV	20	-1.12	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	-30	0.83	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	-20	-3.49	-0.00 1	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	0	0.40	0.000	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	10	-2.49	-0.00 1	-2.5	2.5	PASS
Band4 1	10	40620	50	#0	QAM16	NV	20	-2.02	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	-30	-0.97	0.000	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	-20	-2.29	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	0	-2.65	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	10	-3.39	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QPSK	NV	20	-5.51	-0.00 2	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	-30	-3.65	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	-20	-3.43	-0.00 1	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	0	-5.05	-0.00 2	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	10	-5.06	-0.00 2	-2.5	2.5	PASS
Band4 1	10	41540	50	#0	QAM16	NV	20	-0.66	0.000	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	NV	-30	-6.37	-0.00 3	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	NV	-20	-5.62	-0.00 2	-2.5	2.5	PASS

Band4 1	15	39725	75	#0	QPSK	NV	0	-3.76	-0.00 2	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	NV	10	-3.25	-0.00 1	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QPSK	NV	20	-7.38	-0.00 3	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	NV	-30	-5.21	-0.00 2	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	NV	-20	-6.38	-0.00 3	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	NV	0	-2.22	-0.00 1	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	NV	10	-5.05	-0.00 2	-2.5	2.5	PASS
Band4 1	15	39725	75	#0	QAM16	NV	20	-5.36	-0.00 2	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	-30	-1.90	-0.00 1	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	-20	-4.29	-0.00 2	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	0	0.59	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	10	-1.13	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QPSK	NV	20	-1.23	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	-30	-4.76	-0.00 2	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	-20	0.00	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	0	-1.27	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	10	-0.26	0.000	-2.5	2.5	PASS
Band4 1	15	40620	75	#0	QAM16	NV	20	0.49	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	NV	-30	0.20	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	NV	-20	-0.27	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	NV	0	0.99	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QPSK	NV	10	0.07	0.000	-2.5	2.5	PASS

Band4 1	15	41515	75	#0	QPSK	NV	20	1.03	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	-30	2.37	0.001	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	-20	1.06	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	0	-0.34	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	10	0.36	0.000	-2.5	2.5	PASS
Band4 1	15	41515	75	#0	QAM16	NV	20	2.47	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	-30	2.92	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	-20	1.00	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	0	-1.30	-0.00 1	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	10	1.39	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QPSK	NV	20	-0.77	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	-30	-0.76	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	-20	2.85	0.001	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	0	-0.27	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	10	-0.40	0.000	-2.5	2.5	PASS
Band4 1	20	39750	100	#0	QAM16	NV	20	0.40	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	-30	0.14	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	-20	1.92	0.001	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	0	0.01	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	10	0.16	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QPSK	NV	20	-1.32	-0.00 1	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	NV	-30	1.77	0.001	-2.5	2.5	PASS

Band4 1	20	40620	100	#0	QAM16	NV	-20	0.31	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	NV	0	1.65	0.001	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	NV	10	-0.59	0.000	-2.5	2.5	PASS
Band4 1	20	40620	100	#0	QAM16	NV	20	0.94	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	-30	2.25	0.001	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	-20	3.65	0.001	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	0	-1.12	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	10	-0.39	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QPSK	NV	20	-1.10	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	-30	0.30	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	-20	-0.92	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	0	0.01	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	10	0.04	0.000	-2.5	2.5	PASS
Band4 1	20	41490	100	#0	QAM16	NV	20	1.26	0.000	-2.5	2.5	PASS

***** END *****