

TEST REPORT

Report No.: BCTC2205535730-2E

Applicant: UMOVAL IoT Technology Co., Ltd

Product Name: 3G/4G LTE Solar Security PTZ Cameras

Model/Type
reference: UM-Q6-4G

Tested Date: 2022-05-26 to 2022-06-30

Issued Date: 2022-06-30

Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Conducted output power	1
Appendix 2. Frequency stability	5
Appendix 3. Peak-to-Average Ratio.....	15
Appendix 4. Occupied bandwidth	28
Appendix 5. Band edge.....	41
Appendix 6. Out-of-band emissions	49

Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	ERP (dBm)	Verdict
Band71	5	133147	1	#0	QPSK	21.62	5	24.47	PASS
Band71	5	133147	1	#Mid	QPSK	22.25	5	25.10	PASS
Band71	5	133147	1	#Max	QPSK	21.86	5	24.71	PASS
Band71	5	133147	12	#0	QPSK	20.66	5	23.51	PASS
Band71	5	133147	12	#Mid	QPSK	20.71	5	23.56	PASS
Band71	5	133147	12	#Max	QPSK	20.66	5	23.51	PASS
Band71	5	133147	25	#0	QPSK	20.67	5	23.52	PASS
Band71	5	133147	1	#0	QAM16	20.61	5	23.46	PASS
Band71	5	133147	1	#Mid	QAM16	21.16	5	24.01	PASS
Band71	5	133147	1	#Max	QAM16	20.72	5	23.57	PASS
Band71	5	133147	12	#0	QAM16	19.53	5	22.38	PASS
Band71	5	133147	12	#Mid	QAM16	19.79	5	22.64	PASS
Band71	5	133147	12	#Max	QAM16	19.84	5	22.69	PASS
Band71	5	133147	25	#0	QAM16	19.82	5	22.67	PASS
Band71	5	133297	1	#0	QPSK	21.72	5	24.57	PASS
Band71	5	133297	1	#Mid	QPSK	21.81	5	24.66	PASS
Band71	5	133297	1	#Max	QPSK	21.77	5	24.62	PASS
Band71	5	133297	12	#0	QPSK	20.78	5	23.63	PASS
Band71	5	133297	12	#Mid	QPSK	20.85	5	23.70	PASS
Band71	5	133297	12	#Max	QPSK	20.90	5	23.75	PASS
Band71	5	133297	25	#0	QPSK	20.82	5	23.67	PASS
Band71	5	133297	1	#0	QAM16	20.83	5	23.68	PASS
Band71	5	133297	1	#Mid	QAM16	20.91	5	23.76	PASS
Band71	5	133297	1	#Max	QAM16	20.77	5	23.62	PASS
Band71	5	133297	12	#0	QAM16	19.74	5	22.59	PASS
Band71	5	133297	12	#Mid	QAM16	19.78	5	22.63	PASS
Band71	5	133297	12	#Max	QAM16	19.76	5	22.61	PASS
Band71	5	133297	25	#0	QAM16	19.91	5	22.76	PASS
Band71	5	133447	1	#0	QPSK	21.77	5	24.62	PASS
Band71	5	133447	1	#Mid	QPSK	21.93	5	24.78	PASS
Band71	5	133447	1	#Max	QPSK	21.94	5	24.79	PASS
Band71	5	133447	12	#0	QPSK	20.88	5	23.73	PASS
Band71	5	133447	12	#Mid	QPSK	20.86	5	23.71	PASS
Band71	5	133447	12	#Max	QPSK	20.90	5	23.75	PASS
Band71	5	133447	25	#0	QPSK	20.92	5	23.77	PASS
Band71	5	133447	1	#0	QAM16	21.26	5	24.11	PASS
Band71	5	133447	1	#Mid	QAM16	20.75	5	23.60	PASS

Band71	5	133447	1	#Max	QAM16	21.02	5	23.87	PASS
Band71	5	133447	12	#0	QAM16	19.81	5	22.66	PASS
Band71	5	133447	12	#Mid	QAM16	19.91	5	22.76	PASS
Band71	5	133447	12	#Max	QAM16	20.02	5	22.87	PASS
Band71	5	133447	25	#0	QAM16	19.92	5	22.77	PASS
Band71	10	133172	1	#0	QPSK	22.01	5	24.86	PASS
Band71	10	133172	1	#Mid	QPSK	22.11	5	24.96	PASS
Band71	10	133172	1	#Max	QPSK	21.75	5	24.60	PASS
Band71	10	133172	25	#0	QPSK	20.86	5	23.71	PASS
Band71	10	133172	25	#Mid	QPSK	20.80	5	23.65	PASS
Band71	10	133172	25	#Max	QPSK	20.81	5	23.66	PASS
Band71	10	133172	50	#0	QPSK	20.79	5	23.64	PASS
Band71	10	133172	1	#0	QAM16	21.53	5	24.38	PASS
Band71	10	133172	1	#Mid	QAM16	21.56	5	24.41	PASS
Band71	10	133172	1	#Max	QAM16	21.17	5	24.02	PASS
Band71	10	133172	25	#0	QAM16	19.86	5	22.71	PASS
Band71	10	133172	25	#Mid	QAM16	19.80	5	22.65	PASS
Band71	10	133172	25	#Max	QAM16	19.80	5	22.65	PASS
Band71	10	133172	50	#0	QAM16	19.87	5	22.72	PASS
Band71	10	133297	1	#0	QPSK	21.79	5	24.64	PASS
Band71	10	133297	1	#Mid	QPSK	22.08	5	24.93	PASS
Band71	10	133297	1	#Max	QPSK	21.86	5	24.71	PASS
Band71	10	133297	25	#0	QPSK	20.91	5	23.76	PASS
Band71	10	133297	25	#Mid	QPSK	20.94	5	23.79	PASS
Band71	10	133297	25	#Max	QPSK	20.83	5	23.68	PASS
Band71	10	133297	50	#0	QPSK	20.93	5	23.78	PASS
Band71	10	133297	1	#0	QAM16	20.29	5	23.14	PASS
Band71	10	133297	1	#Mid	QAM16	20.69	5	23.54	PASS
Band71	10	133297	1	#Max	QAM16	20.47	5	23.32	PASS
Band71	10	133297	25	#0	QAM16	19.89	5	22.74	PASS
Band71	10	133297	25	#Mid	QAM16	20.03	5	22.88	PASS
Band71	10	133297	25	#Max	QAM16	19.91	5	22.76	PASS
Band71	10	133297	50	#0	QAM16	19.83	5	22.68	PASS
Band71	10	133422	1	#0	QPSK	21.87	5	24.72	PASS
Band71	10	133422	1	#Mid	QPSK	22.05	5	24.90	PASS
Band71	10	133422	1	#Max	QPSK	22.02	5	24.87	PASS
Band71	10	133422	25	#0	QPSK	20.75	5	23.60	PASS
Band71	10	133422	25	#Mid	QPSK	20.80	5	23.65	PASS
Band71	10	133422	25	#Max	QPSK	20.94	5	23.79	PASS
Band71	10	133422	50	#0	QPSK	20.86	5	23.71	PASS
Band71	10	133422	1	#0	QAM16	20.73	5	23.58	PASS
Band71	10	133422	1	#Mid	QAM16	20.71	5	23.56	PASS
Band71	10	133422	1	#Max	QAM16	20.86	5	23.71	PASS

Band71	10	133422	25	#0	QAM16	19.72	5	22.57	PASS
Band71	10	133422	25	#Mid	QAM16	19.79	5	22.64	PASS
Band71	10	133422	25	#Max	QAM16	19.83	5	22.68	PASS
Band71	10	133422	50	#0	QAM16	19.82	5	22.67	PASS
Band71	15	133197	1	#0	QPSK	21.69	5	24.54	PASS
Band71	15	133197	1	#Mid	QPSK	21.84	5	24.69	PASS
Band71	15	133197	1	#Max	QPSK	21.99	5	24.84	PASS
Band71	15	133197	36	#0	QPSK	20.75	5	23.60	PASS
Band71	15	133197	36	#Mid	QPSK	20.77	5	23.62	PASS
Band71	15	133197	36	#Max	QPSK	20.79	5	23.64	PASS
Band71	15	133197	75	#0	QPSK	20.82	5	23.67	PASS
Band71	15	133197	1	#0	QAM16	21.17	5	24.02	PASS
Band71	15	133197	1	#Mid	QAM16	21.33	5	24.18	PASS
Band71	15	133197	1	#Max	QAM16	21.94	5	24.79	PASS
Band71	15	133197	36	#0	QAM16	19.87	5	22.72	PASS
Band71	15	133197	36	#Mid	QAM16	19.88	5	22.73	PASS
Band71	15	133197	36	#Max	QAM16	19.91	5	22.76	PASS
Band71	15	133197	75	#0	QAM16	19.92	5	22.77	PASS
Band71	15	133297	1	#0	QPSK	21.73	5	24.58	PASS
Band71	15	133297	1	#Mid	QPSK	22.00	5	24.85	PASS
Band71	15	133297	1	#Max	QPSK	21.74	5	24.59	PASS
Band71	15	133297	36	#0	QPSK	20.87	5	23.72	PASS
Band71	15	133297	36	#Mid	QPSK	20.92	5	23.77	PASS
Band71	15	133297	36	#Max	QPSK	20.91	5	23.76	PASS
Band71	15	133297	75	#0	QPSK	20.87	5	23.72	PASS
Band71	15	133297	1	#0	QAM16	20.71	5	23.56	PASS
Band71	15	133297	1	#Mid	QAM16	20.98	5	23.83	PASS
Band71	15	133297	1	#Max	QAM16	20.75	5	23.60	PASS
Band71	15	133297	36	#0	QAM16	20.09	5	22.94	PASS
Band71	15	133297	36	#Mid	QAM16	20.06	5	22.91	PASS
Band71	15	133297	36	#Max	QAM16	19.85	5	22.70	PASS
Band71	15	133297	75	#0	QAM16	19.95	5	22.80	PASS
Band71	15	133397	1	#0	QPSK	21.84	5	24.69	PASS
Band71	15	133397	1	#Mid	QPSK	21.92	5	24.77	PASS
Band71	15	133397	1	#Max	QPSK	21.89	5	24.74	PASS
Band71	15	133397	36	#0	QPSK	20.69	5	23.54	PASS
Band71	15	133397	36	#Mid	QPSK	20.81	5	23.66	PASS
Band71	15	133397	36	#Max	QPSK	20.92	5	23.77	PASS
Band71	15	133397	75	#0	QPSK	20.80	5	23.65	PASS
Band71	15	133397	1	#0	QAM16	20.64	5	23.49	PASS
Band71	15	133397	1	#Mid	QAM16	20.68	5	23.53	PASS
Band71	15	133397	1	#Max	QAM16	21.47	5	24.32	PASS
Band71	15	133397	36	#0	QAM16	19.82	5	22.67	PASS

Band71	15	133397	36	#Mid	QAM16	19.85	5	22.70	PASS
Band71	15	133397	36	#Max	QAM16	19.96	5	22.81	PASS
Band71	15	133397	75	#0	QAM16	19.91	5	22.76	PASS
Band71	20	133222	1	#0	QPSK	21.39	5	24.24	PASS
Band71	20	133222	1	#Mid	QPSK	21.92	5	24.77	PASS
Band71	20	133222	1	#Max	QPSK	21.83	5	24.68	PASS
Band71	20	133222	50	#0	QPSK	20.60	5	23.45	PASS
Band71	20	133222	50	#Mid	QPSK	20.67	5	23.52	PASS
Band71	20	133222	50	#Max	QPSK	20.88	5	23.73	PASS
Band71	20	133222	100	#0	QPSK	20.68	5	23.53	PASS
Band71	20	133222	1	#0	QAM16	20.67	5	23.52	PASS
Band71	20	133222	1	#Mid	QAM16	20.86	5	23.71	PASS
Band71	20	133222	1	#Max	QAM16	20.73	5	23.58	PASS
Band71	20	133222	50	#0	QAM16	19.83	5	22.68	PASS
Band71	20	133222	50	#Mid	QAM16	19.90	5	22.75	PASS
Band71	20	133222	50	#Max	QAM16	20.10	5	22.95	PASS
Band71	20	133222	100	#0	QAM16	19.86	5	22.71	PASS
Band71	20	133297	1	#0	QPSK	22.01	5	24.86	PASS
Band71	20	133297	1	#Mid	QPSK	22.56	5	25.41	PASS
Band71	20	133297	1	#Max	QPSK	21.88	5	24.73	PASS
Band71	20	133297	50	#0	QPSK	20.88	5	23.73	PASS
Band71	20	133297	50	#Mid	QPSK	21.01	5	23.86	PASS
Band71	20	133297	50	#Max	QPSK	20.82	5	23.67	PASS
Band71	20	133297	100	#0	QPSK	20.89	5	23.74	PASS
Band71	20	133297	1	#0	QAM16	20.31	5	23.16	PASS
Band71	20	133297	1	#Mid	QAM16	20.74	5	23.59	PASS
Band71	20	133297	1	#Max	QAM16	20.20	5	23.05	PASS
Band71	20	133297	50	#0	QAM16	19.75	5	22.60	PASS
Band71	20	133297	50	#Mid	QAM16	19.93	5	22.78	PASS
Band71	20	133297	50	#Max	QAM16	19.80	5	22.65	PASS
Band71	20	133297	100	#0	QAM16	19.81	5	22.66	PASS
Band71	20	133372	1	#0	QPSK	21.69	5	24.54	PASS
Band71	20	133372	1	#Mid	QPSK	21.92	5	24.77	PASS
Band71	20	133372	1	#Max	QPSK	21.85	5	24.70	PASS
Band71	20	133372	50	#0	QPSK	20.91	5	23.76	PASS
Band71	20	133372	50	#Mid	QPSK	20.90	5	23.75	PASS
Band71	20	133372	50	#Max	QPSK	20.89	5	23.74	PASS
Band71	20	133372	100	#0	QPSK	20.91	5	23.76	PASS
Band71	20	133372	1	#0	QAM16	20.12	5	22.97	PASS
Band71	20	133372	1	#Mid	QAM16	20.47	5	23.32	PASS
Band71	20	133372	1	#Max	QAM16	20.65	5	23.50	PASS
Band71	20	133372	50	#0	QAM16	19.84	5	22.69	PASS
Band71	20	133372	50	#Mid	QAM16	19.85	5	22.70	PASS

Band71	20	133372	50	#Max	QAM16	19.83	5	22.68	PASS
Band71	20	133372	100	#0	QAM16	19.90	5	22.75	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
Band71	5	133147	25	#0	QPSK	LV	NT	-0.89	-0.001	-2.5	2.5	PASS
Band71	5	133147	25	#0	QPSK	NV	NT	0.14	0.000	-2.5	2.5	PASS
Band71	5	133147	25	#0	QPSK	HV	NT	-0.04	0.000	-2.5	2.5	PASS
Band71	5	133147	25	#0	QAM16	LV	NT	-0.57	-0.001	-2.5	2.5	PASS
Band71	5	133147	25	#0	QAM16	NV	NT	-1.33	-0.002	-2.5	2.5	PASS
Band71	5	133147	25	#0	QAM16	HV	NT	-2.20	-0.003	-2.5	2.5	PASS
Band71	5	133297	25	#0	QPSK	LV	NT	-2.02	-0.003	-2.5	2.5	PASS
Band71	5	133297	25	#0	QPSK	NV	NT	-1.06	-0.002	-2.5	2.5	PASS
Band71	5	133297	25	#0	QPSK	HV	NT	-1.32	-0.002	-2.5	2.5	PASS
Band71	5	133297	25	#0	QAM16	LV	NT	-2.15	-0.003	-2.5	2.5	PASS
Band71	5	133297	25	#0	QAM16	NV	NT	-1.54	-0.002	-2.5	2.5	PASS
Band71	5	133297	25	#0	QAM16	HV	NT	-1.26	-0.002	-2.5	2.5	PASS
Band71	5	133447	25	#0	QPSK	LV	NT	-2.66	-0.004	-2.5	2.5	PASS
Band71	5	133447	25	#0	QPSK	NV	NT	-2.72	-0.004	-2.5	2.5	PASS
Band71	5	133447	25	#0	QPSK	HV	NT	-0.41	-0.001	-2.5	2.5	PASS
Band71	5	133447	25	#0	QAM16	LV	NT	-1.26	-0.002	-2.5	2.5	PASS
Band71	5	133447	25	#0	QAM16	NV	NT	-1.92	-0.00	-2.5	2.5	PASS

1									3			
Band7 1	5	133447	25	#0	QAM16	HV	NT	-2.72	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	LV	NT	-1.40	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	NT	-2.02	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	HV	NT	-2.25	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	LV	NT	-2.65	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	NT	-2.99	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	HV	NT	-1.42	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	LV	NT	-1.54	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	NT	-2.09	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	HV	NT	-2.46	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	LV	NT	-2.27	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	NV	NT	-1.53	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	HV	NT	-1.66	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	LV	NT	-3.43	-0.00 5	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	NV	NT	-2.83	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	HV	NT	-2.10	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	LV	NT	-1.95	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	NT	-1.60	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	HV	NT	-1.77	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	LV	NT	-2.56	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	NT	-2.66	-0.00 4	-2.5	2.5	PASS

Band7 1	15	133197	75	#0	QPSK	HV	NT	-1.67	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	LV	NT	-1.69	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	NT	-1.52	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	HV	NT	-1.56	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	LV	NT	-1.93	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	NV	NT	-2.90	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	HV	NT	-2.66	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	LV	NT	-1.36	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	NT	-1.06	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	HV	NT	-2.27	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	LV	NT	-1.96	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	NT	-1.44	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	HV	NT	-2.69	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	LV	NT	-1.85	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	NT	-1.44	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	HV	NT	-2.03	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	LV	NT	-0.70	-0.00 1	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	NV	NT	-1.66	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	HV	NT	-2.00	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	LV	NT	-2.53	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	NT	-0.77	-0.00 1	-2.5	2.5	PASS
Band7	20	133222	100	#0	QAM16	HV	NT	-1.87	-0.00	-2.5	2.5	PASS

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Band7 1	20	133297	100	#0	QPSK	LV	NT	-1.93	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	NT	-0.87	-0.00 1	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	HV	NT	-2.40	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	LV	NT	-1.14	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	NT	-1.65	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	HV	NT	-1.86	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	LV	NT	-1.82	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	NV	NT	-1.85	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	HV	NT	-2.16	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	LV	NT	-1.16	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	NT	-1.57	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	HV	NT	-1.20	-0.00 2	-2.5	2.5	PASS

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
Band7 1	5	133147	25	#0	QPSK	NV	-30	-3.12	-0.00 5	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QPSK	NV	-20	-1.17	-0.00 2	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QPSK	NV	0	-0.27	0.000	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QPSK	NV	10	-2.62	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QPSK	NV	20	-0.26	0.000	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QAM16	NV	-30	-1.86	-0.00 3	-2.5	2.5	PASS
Band7	5	133147	25	#0	QAM16	NV	-20	-2.39	-0.00	-2.5	2.5	PASS

1									4			
Band7 1	5	133147	25	#0	QAM16	NV	0	-2.75	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QAM16	NV	10	-2.72	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133147	25	#0	QAM16	NV	20	-1.40	-0.00 2	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QPSK	NV	-30	-2.39	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QPSK	NV	-20	-1.62	-0.00 2	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QPSK	NV	0	-2.96	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QPSK	NV	10	-3.15	-0.00 5	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QPSK	NV	20	-2.27	-0.00 3	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QAM16	NV	-30	-1.43	-0.00 2	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QAM16	NV	-20	-0.50	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QAM16	NV	0	-2.20	-0.00 3	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QAM16	NV	10	-1.86	-0.00 3	-2.5	2.5	PASS
Band7 1	5	133297	25	#0	QAM16	NV	20	-1.30	-0.00 2	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QPSK	NV	-30	-0.59	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QPSK	NV	-20	-0.40	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QPSK	NV	0	-0.21	0.000	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QPSK	NV	10	-0.39	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QPSK	NV	20	-1.90	-0.00 3	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QAM16	NV	-30	-2.50	-0.00 4	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QAM16	NV	-20	-0.84	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QAM16	NV	0	0.27	0.000	-2.5	2.5	PASS

Band7 1	5	133447	25	#0	QAM16	NV	10	-0.82	-0.00 1	-2.5	2.5	PASS
Band7 1	5	133447	25	#0	QAM16	NV	20	-0.97	-0.00 1	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	-30	-1.75	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	-20	-2.17	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	0	-0.76	-0.00 1	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	10	-0.66	-0.00 1	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QPSK	NV	20	-1.76	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	-30	-2.02	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	-20	-2.45	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	0	-1.26	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	10	-2.85	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133172	50	#0	QAM16	NV	20	-2.70	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	-30	-1.13	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	-20	-1.62	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	0	-1.59	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	10	-1.20	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QPSK	NV	20	-0.94	-0.00 1	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	NV	-30	-2.05	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	NV	-20	-2.69	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	NV	0	-2.70	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133297	50	#0	QAM16	NV	10	-2.16	-0.00 3	-2.5	2.5	PASS
Band7	10	133297	50	#0	QAM16	NV	20	-1.83	-0.00	-2.5	2.5	PASS

1									3			
Band7 1	10	133422	50	#0	QPSK	NV	-30	-1.29	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	NV	-20	-1.42	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	NV	0	-1.37	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	NV	10	-2.26	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QPSK	NV	20	-2.49	-0.00 4	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	-30	-1.56	-0.00 2	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	-20	-1.86	-0.00 3	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	0	-3.18	-0.00 5	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	10	-0.56	-0.00 1	-2.5	2.5	PASS
Band7 1	10	133422	50	#0	QAM16	NV	20	-1.69	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	-30	-1.07	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	-20	-1.29	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	0	-1.39	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	10	-1.62	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QPSK	NV	20	-1.23	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	-30	-1.87	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	-20	-1.63	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	0	-1.24	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	10	-1.40	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133197	75	#0	QAM16	NV	20	-2.13	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	NV	-30	-1.52	-0.00 2	-2.5	2.5	PASS

Band7 1	15	133297	75	#0	QPSK	NV	-20	0.03	0.000	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	NV	0	-1.72	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	NV	10	-2.15	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QPSK	NV	20	-1.79	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	-30	-2.75	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	-20	-2.57	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	0	-2.36	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	10	-0.97	-0.00 1	-2.5	2.5	PASS
Band7 1	15	133297	75	#0	QAM16	NV	20	-2.19	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	-30	-1.44	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	-20	-1.57	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	0	-2.47	-0.00 4	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	10	-1.24	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QPSK	NV	20	-1.62	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	-30	-2.36	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	-20	-2.19	-0.00 3	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	0	-1.26	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	10	-1.19	-0.00 2	-2.5	2.5	PASS
Band7 1	15	133397	75	#0	QAM16	NV	20	-1.70	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	NV	-30	-1.72	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	NV	-20	-1.62	-0.00 2	-2.5	2.5	PASS
Band7	20	133222	100	#0	QPSK	NV	0	-2.13	-0.00	-2.5	2.5	PASS

1									3			
Band7 1	20	133222	100	#0	QPSK	NV	10	-2.25	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QPSK	NV	20	-1.75	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	-30	-1.96	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	-20	-2.60	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	0	-1.33	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	10	-1.52	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133222	100	#0	QAM16	NV	20	-1.87	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	-30	-2.30	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	-20	-2.75	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	0	-0.31	0.000	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	10	-1.99	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QPSK	NV	20	-1.52	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	-30	-2.07	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	-20	-1.70	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	0	-2.03	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	10	-2.63	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133297	100	#0	QAM16	NV	20	-0.79	-0.00 1	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	NV	-30	-1.57	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	NV	-20	-1.13	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	NV	0	-1.95	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QPSK	NV	10	-1.73	-0.00 3	-2.5	2.5	PASS

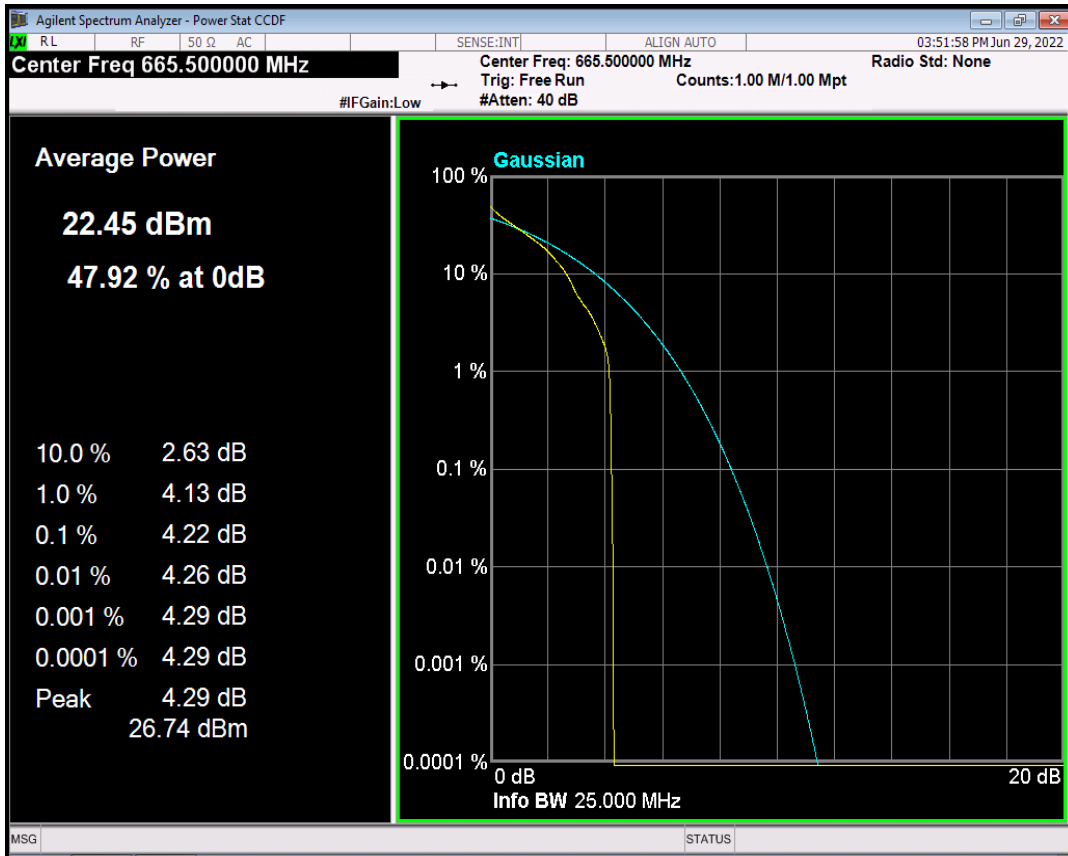
Band7 1	20	133372	100	#0	QPSK	NV	20	-1.10	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	-30	-1.86	-0.00 3	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	-20	-2.46	-0.00 4	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	0	-1.46	-0.00 2	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	10	-0.70	-0.00 1	-2.5	2.5	PASS
Band7 1	20	133372	100	#0	QAM16	NV	20	-1.67	-0.00 2	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

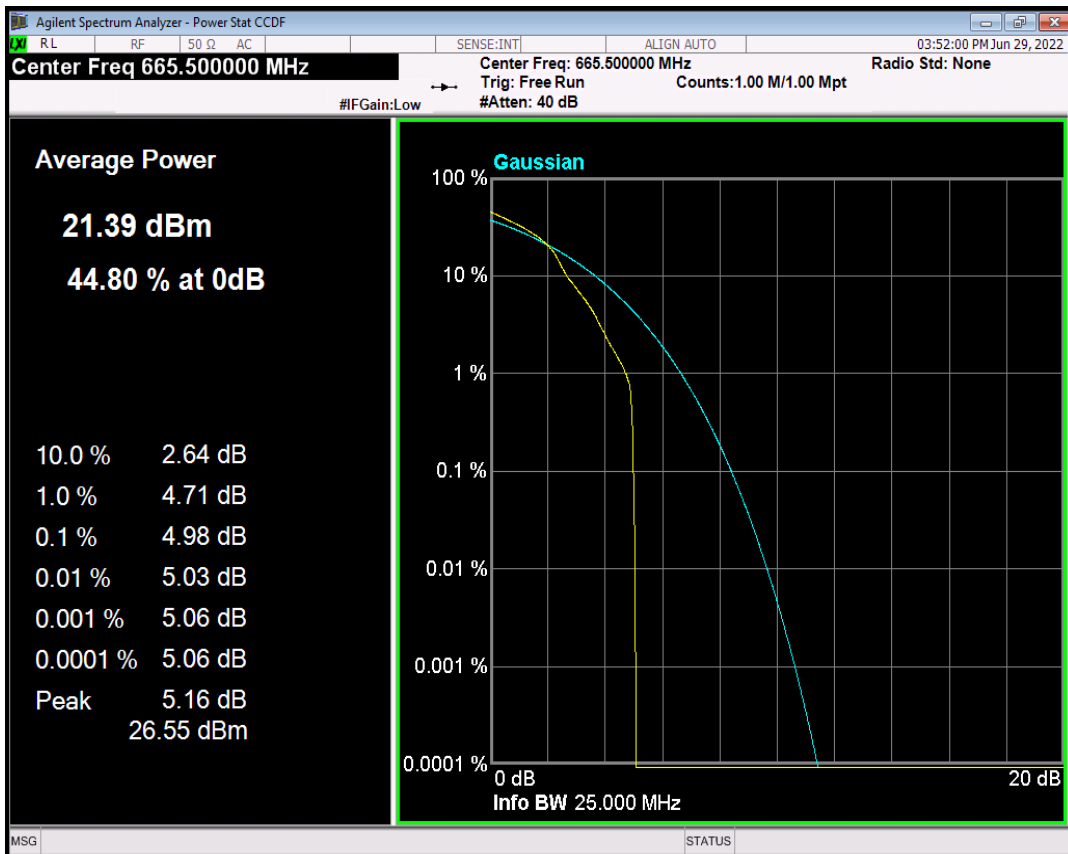
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band71	5	133147	1	#0	QPSK	4.22	13	PASS
Band71	5	133147	1	#0	QAM16	4.98	13	PASS
Band71	5	133297	1	#0	QPSK	4.33	13	PASS
Band71	5	133297	1	#0	QAM16	5.26	13	PASS
Band71	5	133447	1	#0	QPSK	4.50	13	PASS
Band71	5	133447	1	#0	QAM16	5.26	13	PASS
Band71	10	133172	1	#0	QPSK	4.22	13	PASS
Band71	10	133172	1	#0	QAM16	5.09	13	PASS
Band71	10	133297	1	#0	QPSK	4.07	13	PASS
Band71	10	133297	1	#0	QAM16	4.86	13	PASS
Band71	10	133422	1	#0	QPSK	3.82	13	PASS
Band71	10	133422	1	#0	QAM16	4.56	13	PASS
Band71	15	133197	1	#0	QPSK	4.15	13	PASS
Band71	15	133197	1	#0	QAM16	5.02	13	PASS
Band71	15	133297	1	#0	QPSK	4.08	13	PASS
Band71	15	133297	1	#0	QAM16	4.99	13	PASS
Band71	15	133397	1	#0	QPSK	4.16	13	PASS
Band71	15	133397	1	#0	QAM16	5.04	13	PASS
Band71	20	133222	1	#0	QPSK	4.15	13	PASS
Band71	20	133222	1	#0	QAM16	4.86	13	PASS
Band71	20	133297	1	#0	QPSK	4.27	13	PASS
Band71	20	133297	1	#0	QAM16	5.19	13	PASS
Band71	20	133372	1	#0	QPSK	4.43	13	PASS
Band71	20	133372	1	#0	QAM16	5.27	13	PASS



Band71 QPSK BW=5MHz Channel=133147 RB Size=1 Position=#0

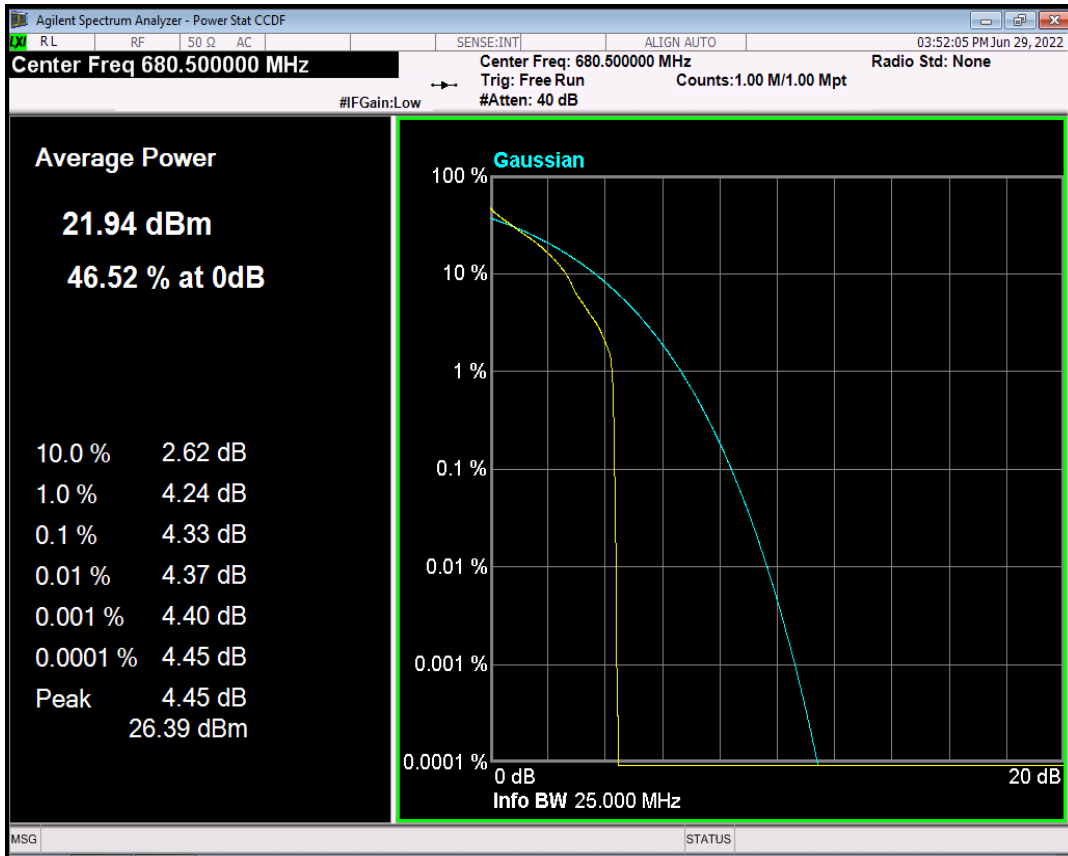


Band71 QAM16 BW=5MHz Channel=133147 RB Size=1 Position=#0

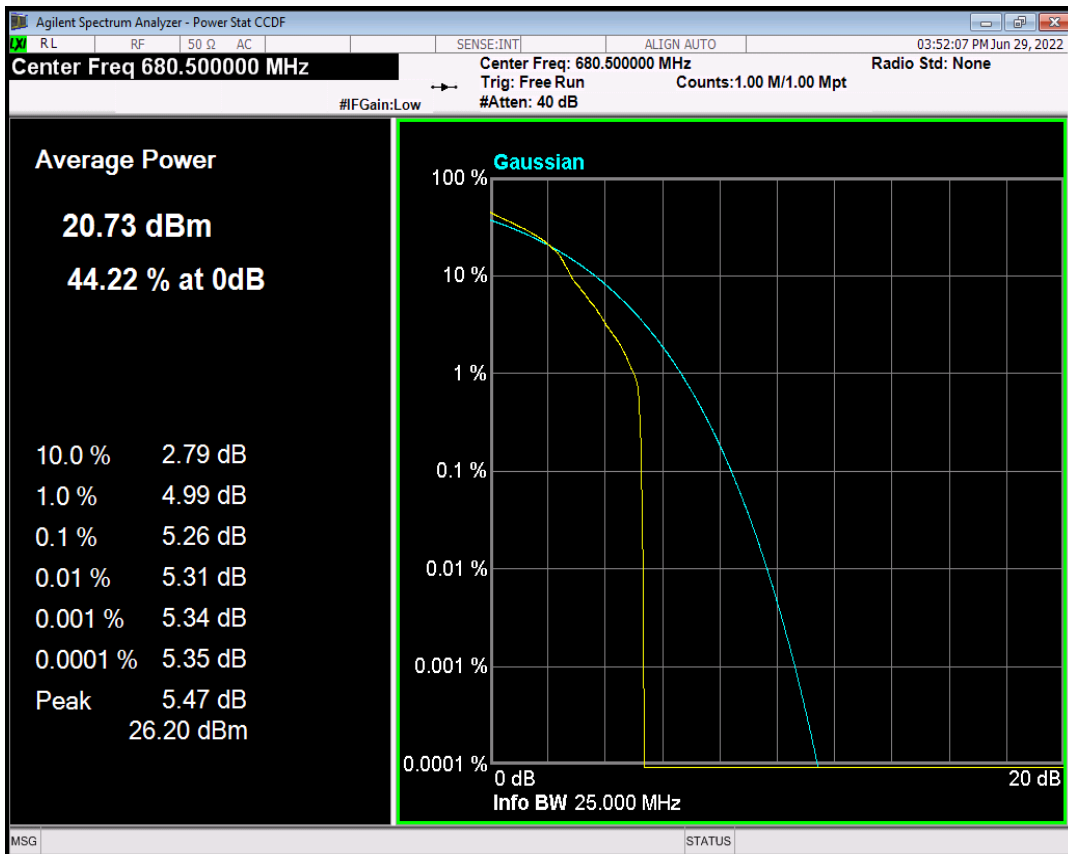




Band71 QPSK BW=5MHz Channel=133297 RB Size=1 Position=#0

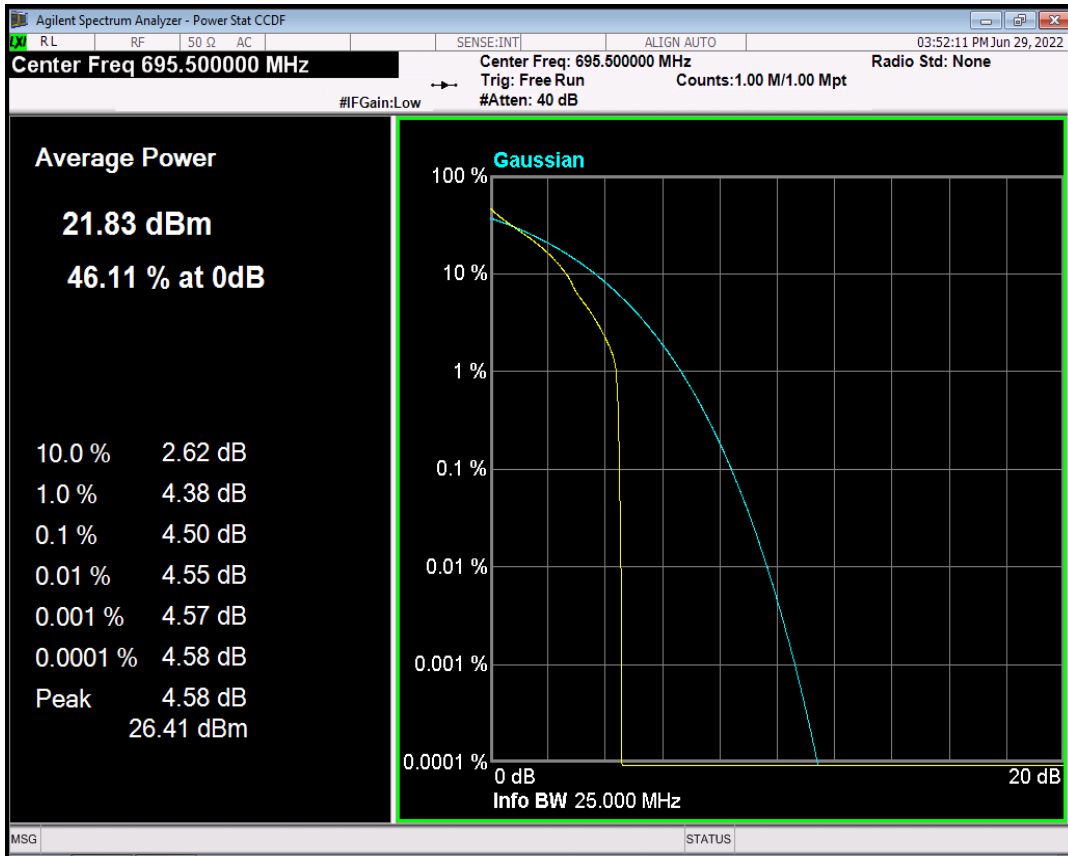


Band71 QAM16 BW=5MHz Channel=133297 RB Size=1 Position=#0

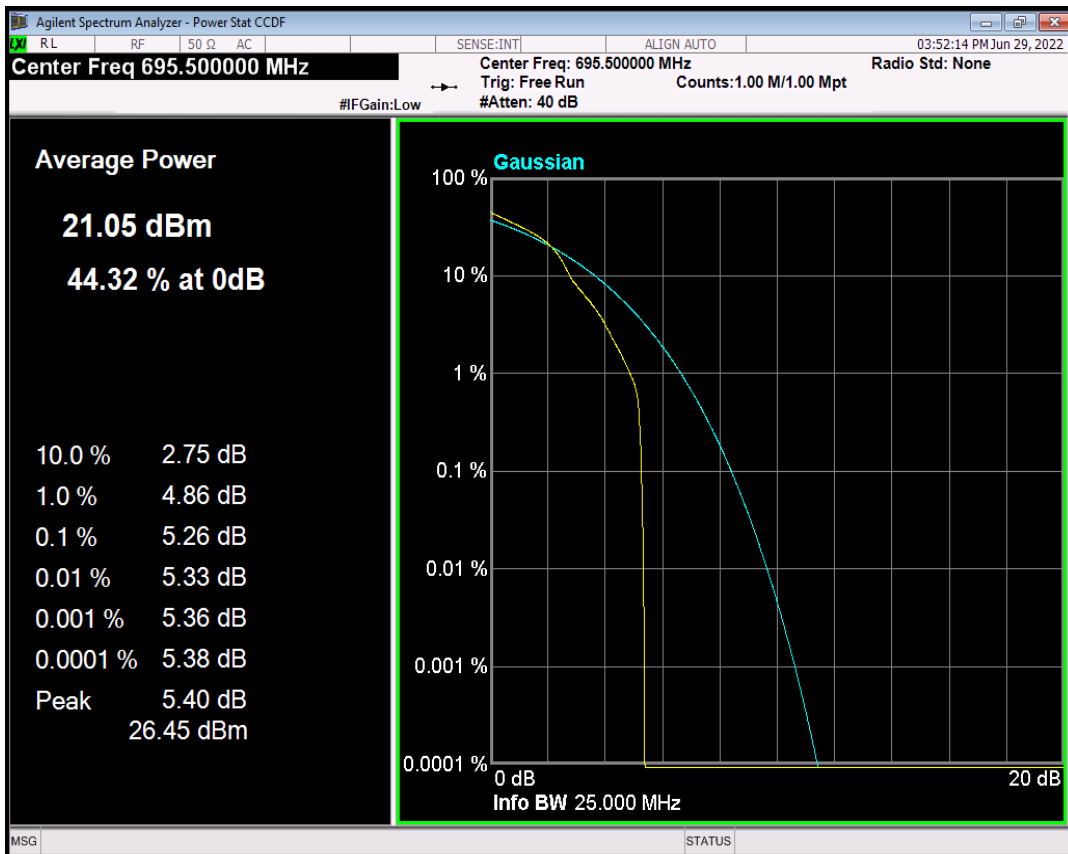




Band71 QPSK BW=5MHz Channel=133447 RB Size=1 Position=#0

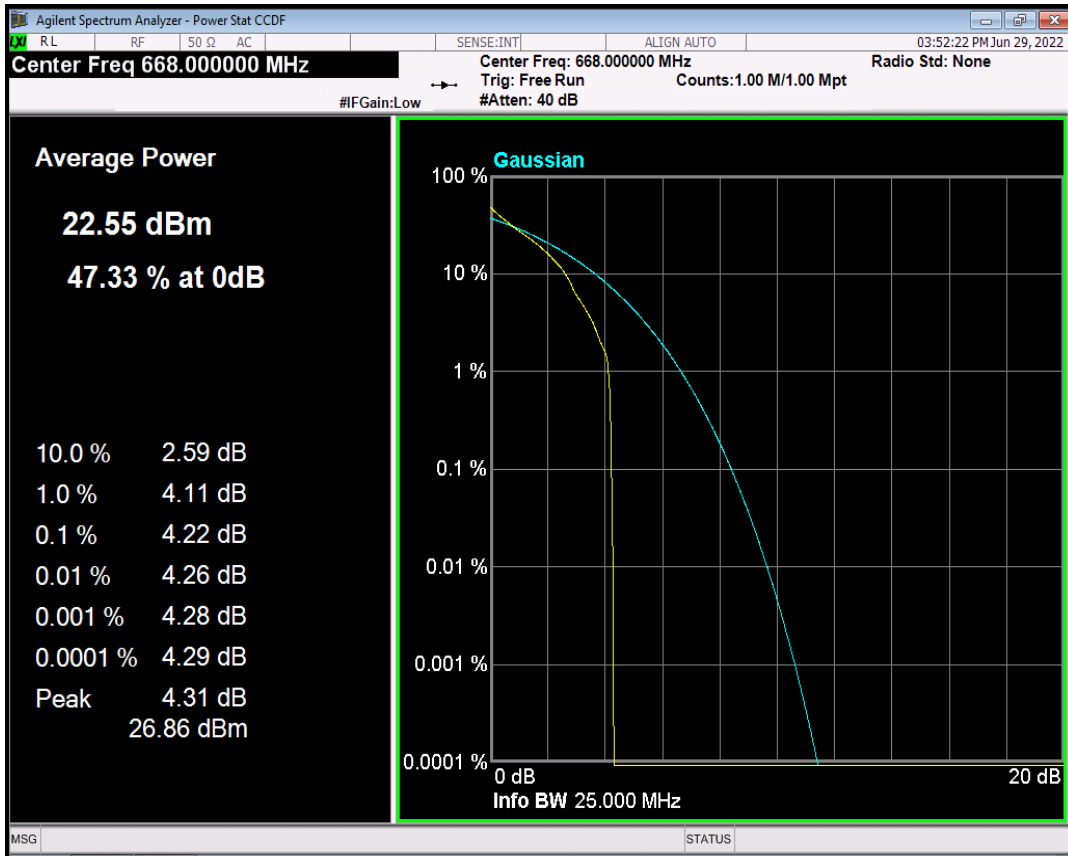


Band71 QAM16 BW=5MHz Channel=133447 RB Size=1 Position=#0

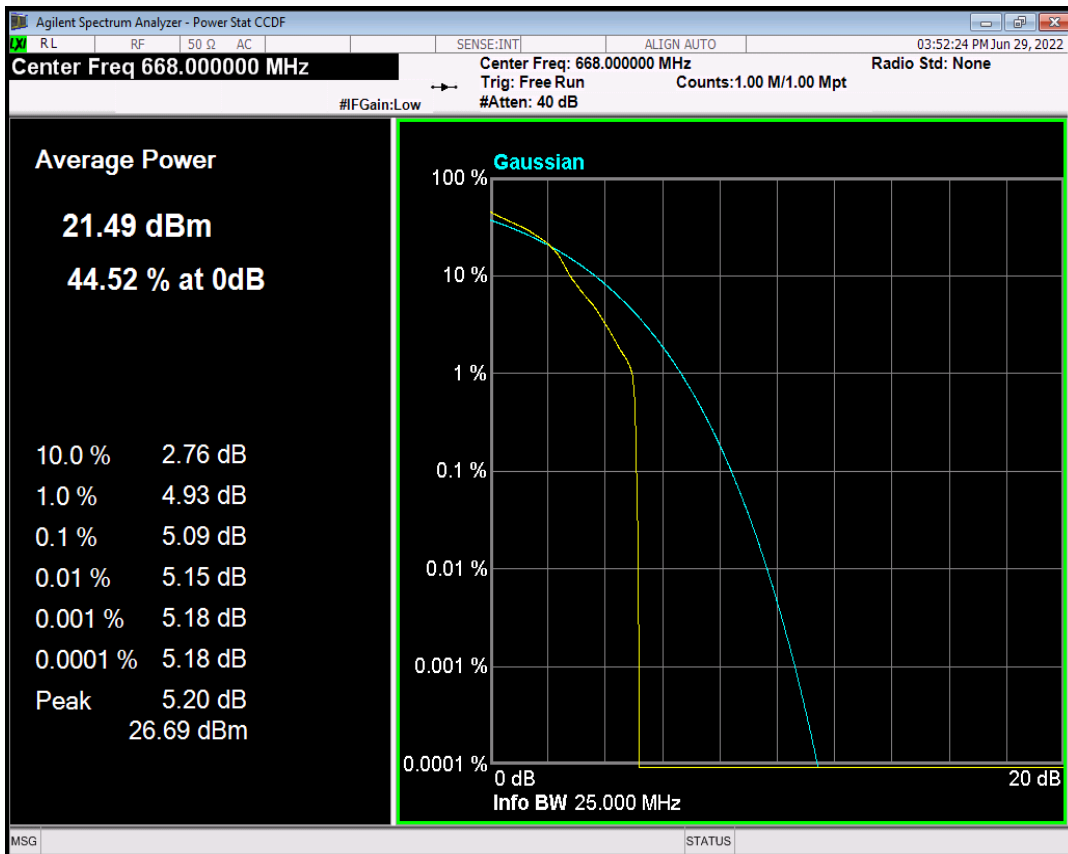




Band71 QPSK BW=10MHz Channel=133172 RB Size=1 Position=#0

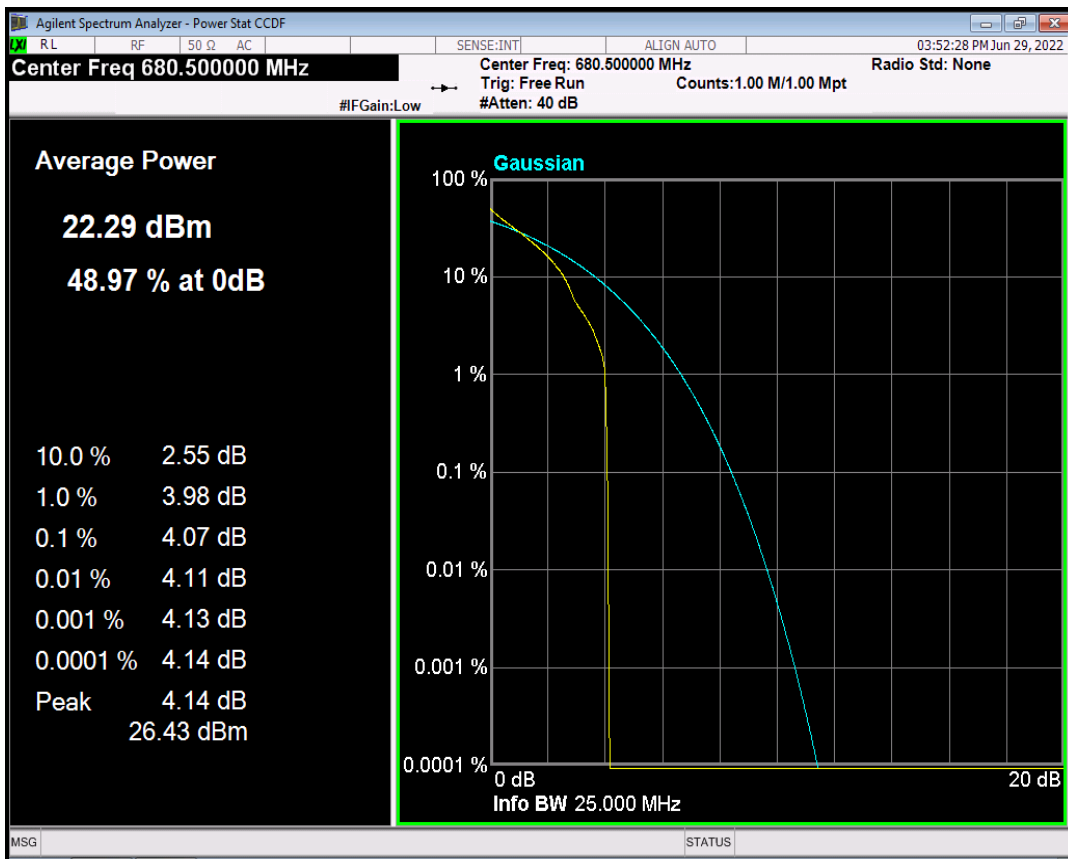


Band71 QAM16 BW=10MHz Channel=133172 RB Size=1 Position=#0

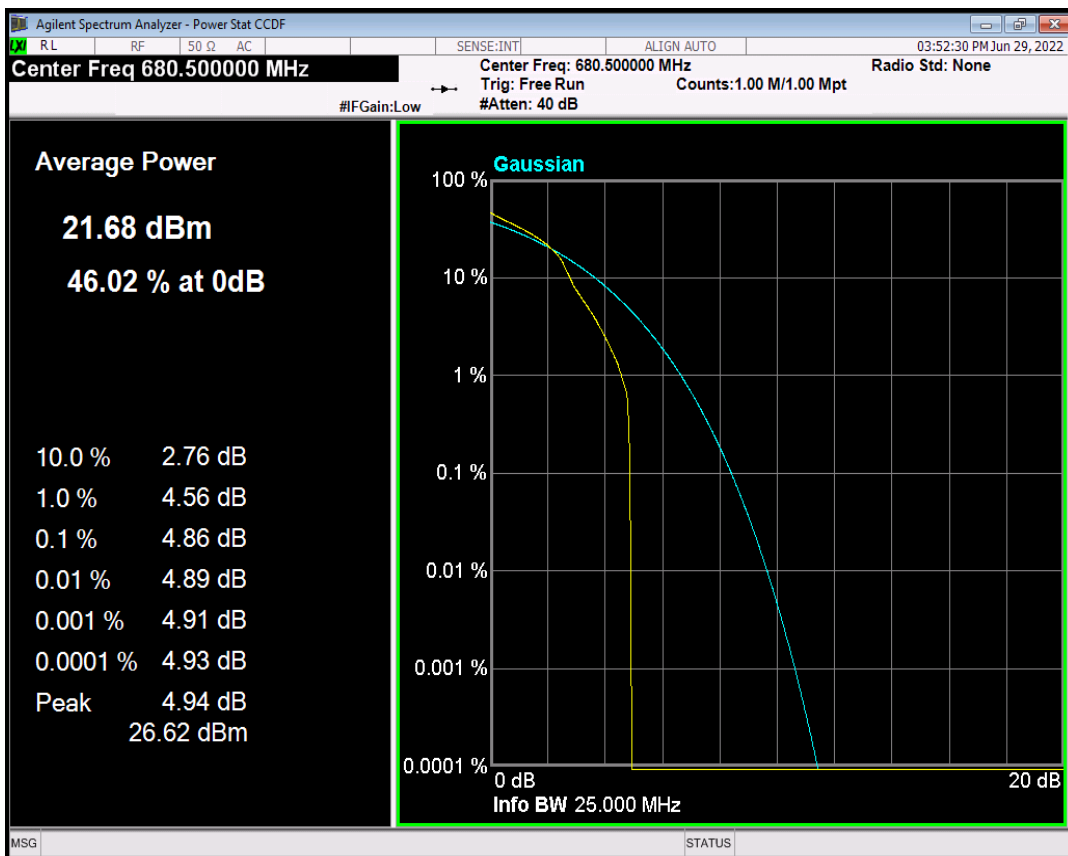




Band71 QPSK BW=10MHz Channel=133297 RB Size=1 Position=#0

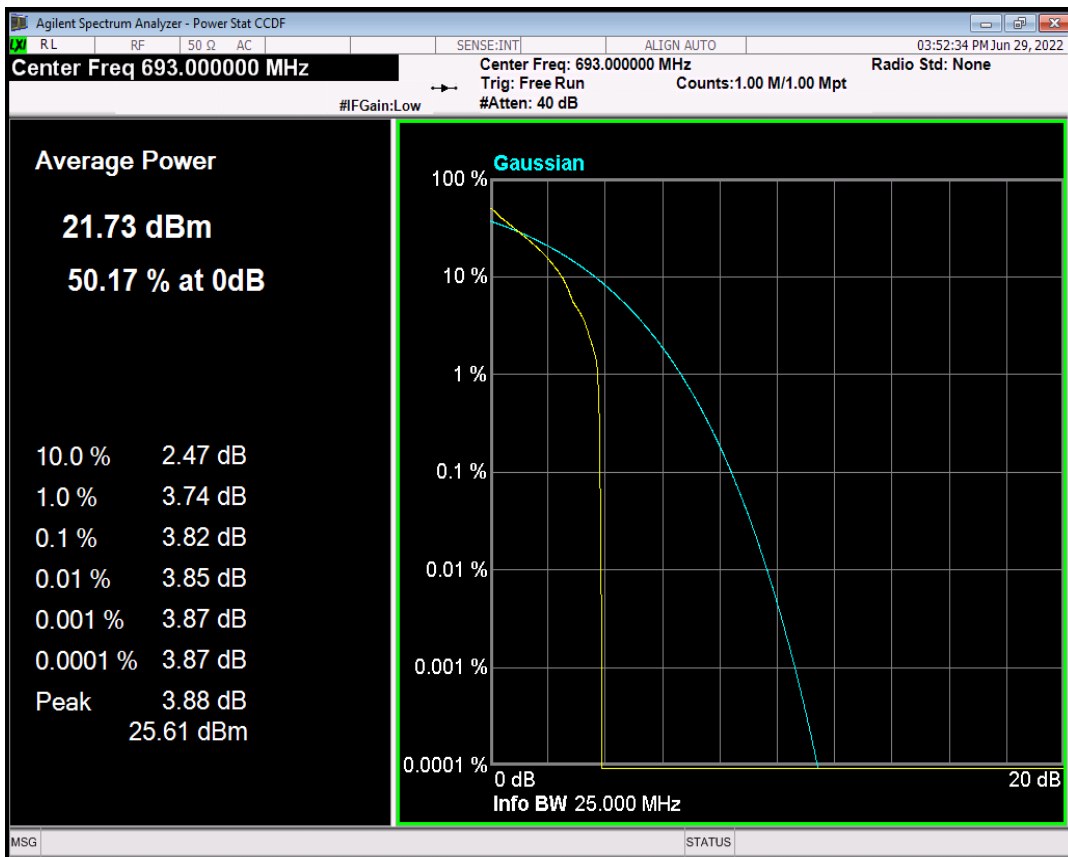


Band71 QAM16 BW=10MHz Channel=133297 RB Size=1 Position=#0

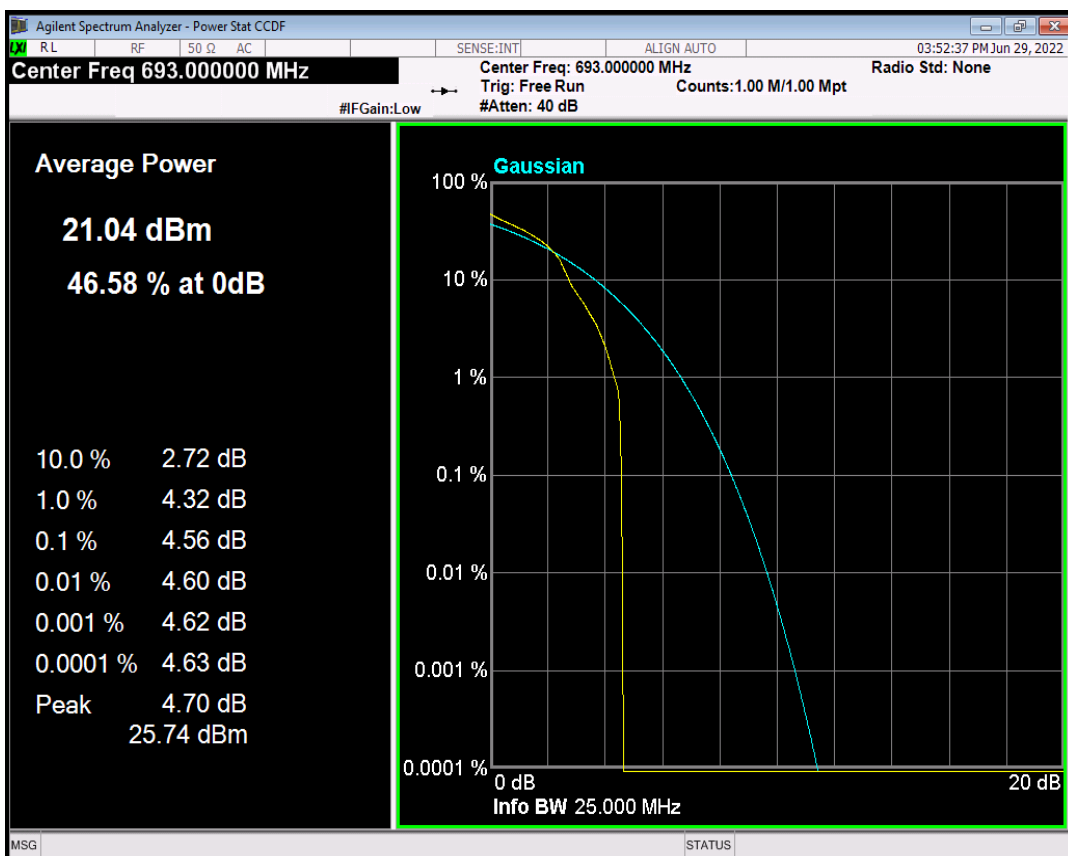




Band71 QPSK BW=10MHz Channel=133422 RB Size=1 Position=#0

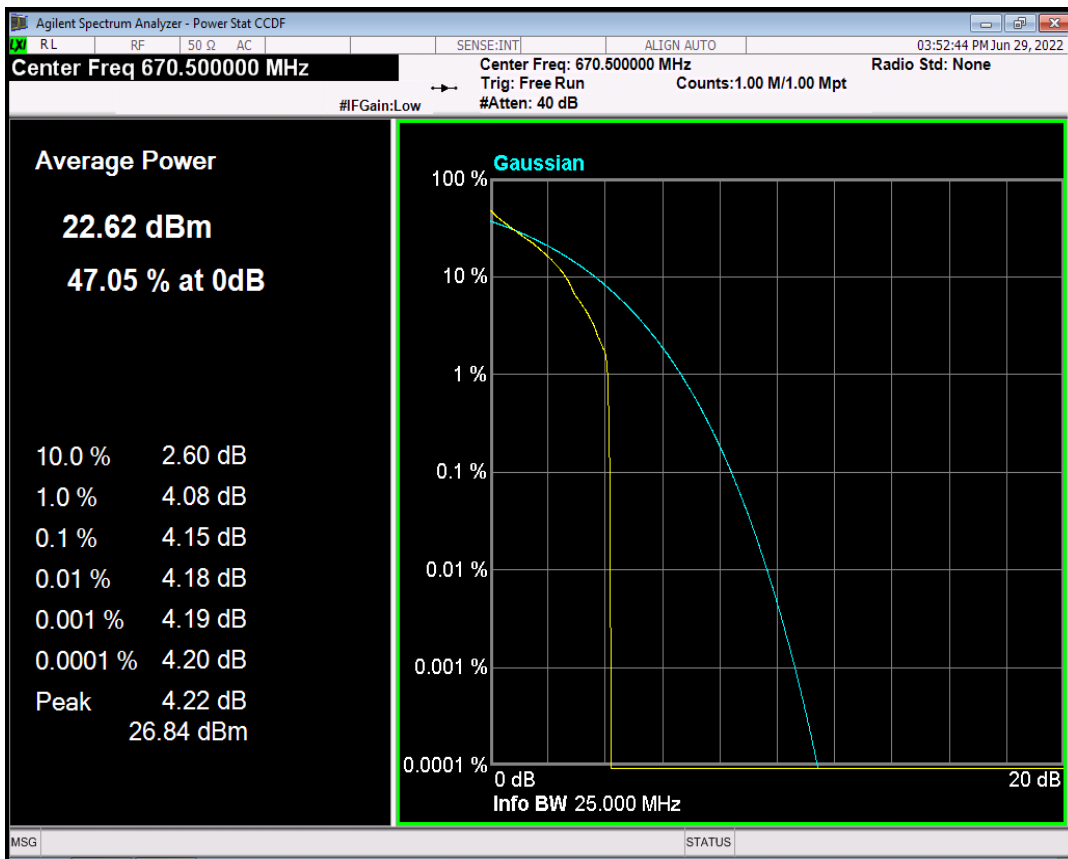


Band71 QAM16 BW=10MHz Channel=133422 RB Size=1 Position=#0

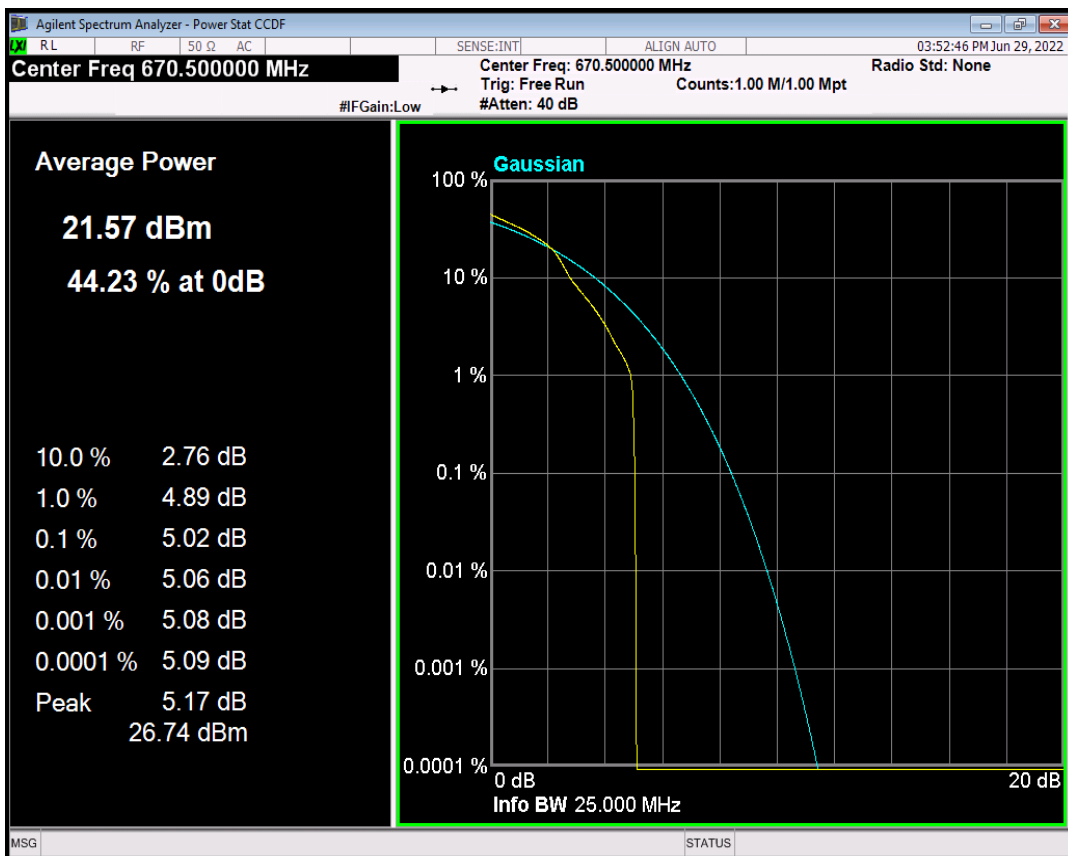




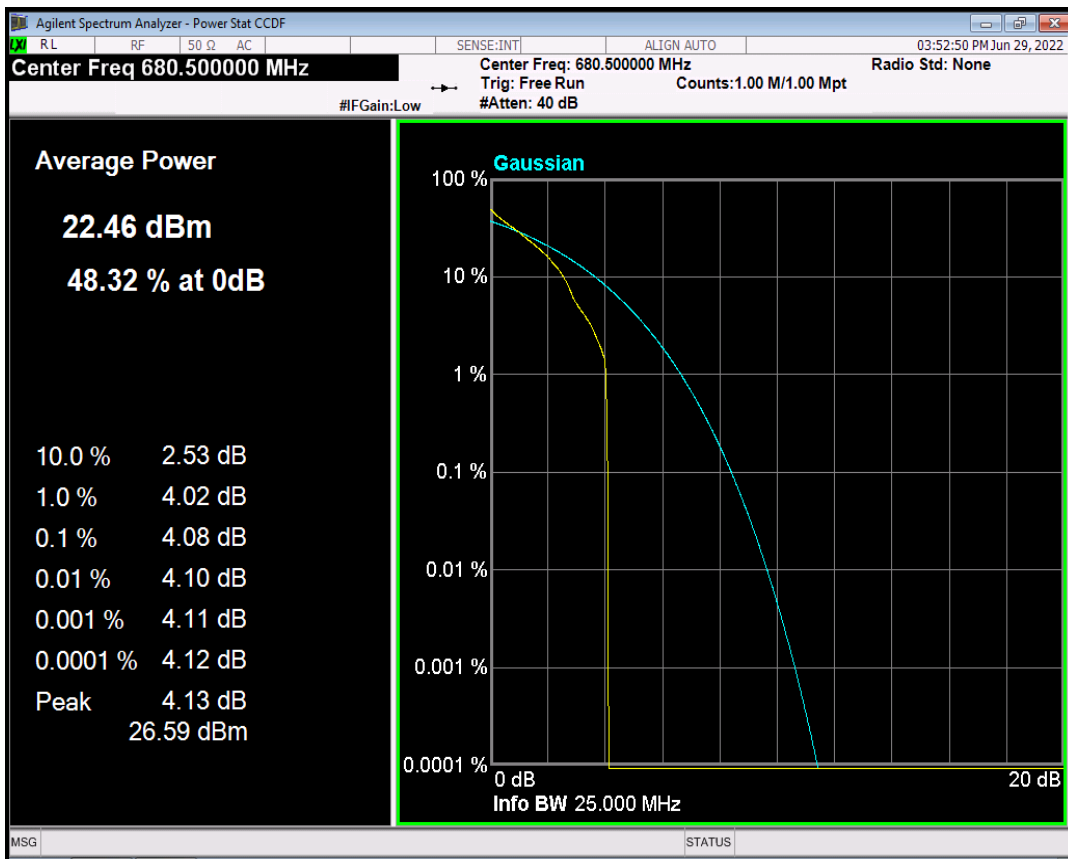
Band71 QPSK BW=15MHz Channel=133197 RB Size=1 Position=#0



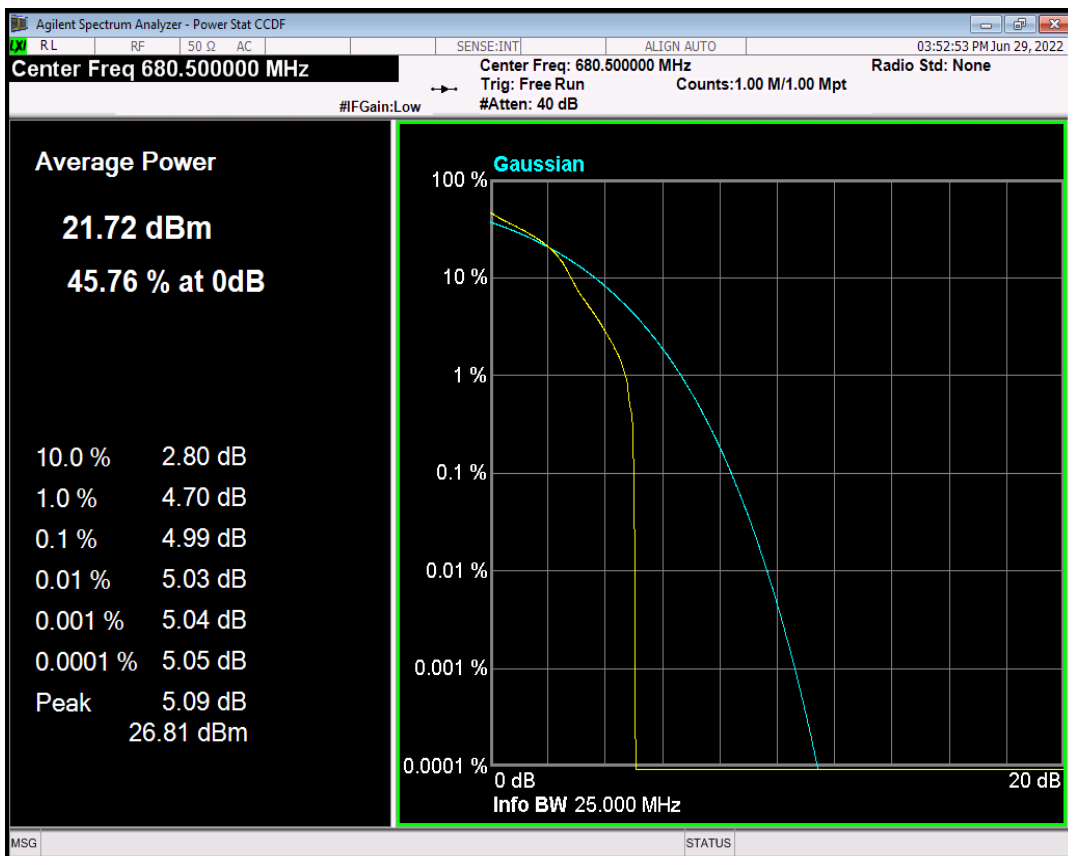
Band71 QAM16 BW=15MHz Channel=133197 RB Size=1 Position=#0



Band71 QPSK BW=15MHz Channel=133297 RB Size=1 Position=#0

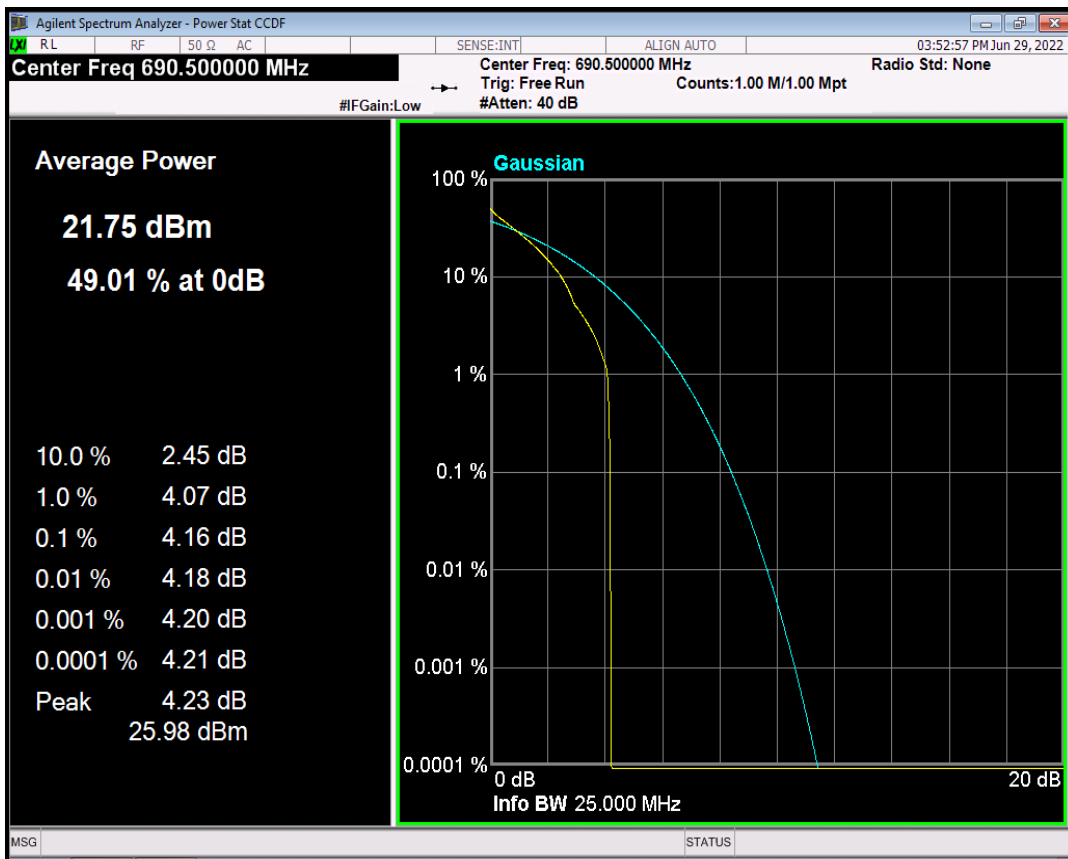


Band71 QAM16 BW=15MHz Channel=133297 RB Size=1 Position=#0

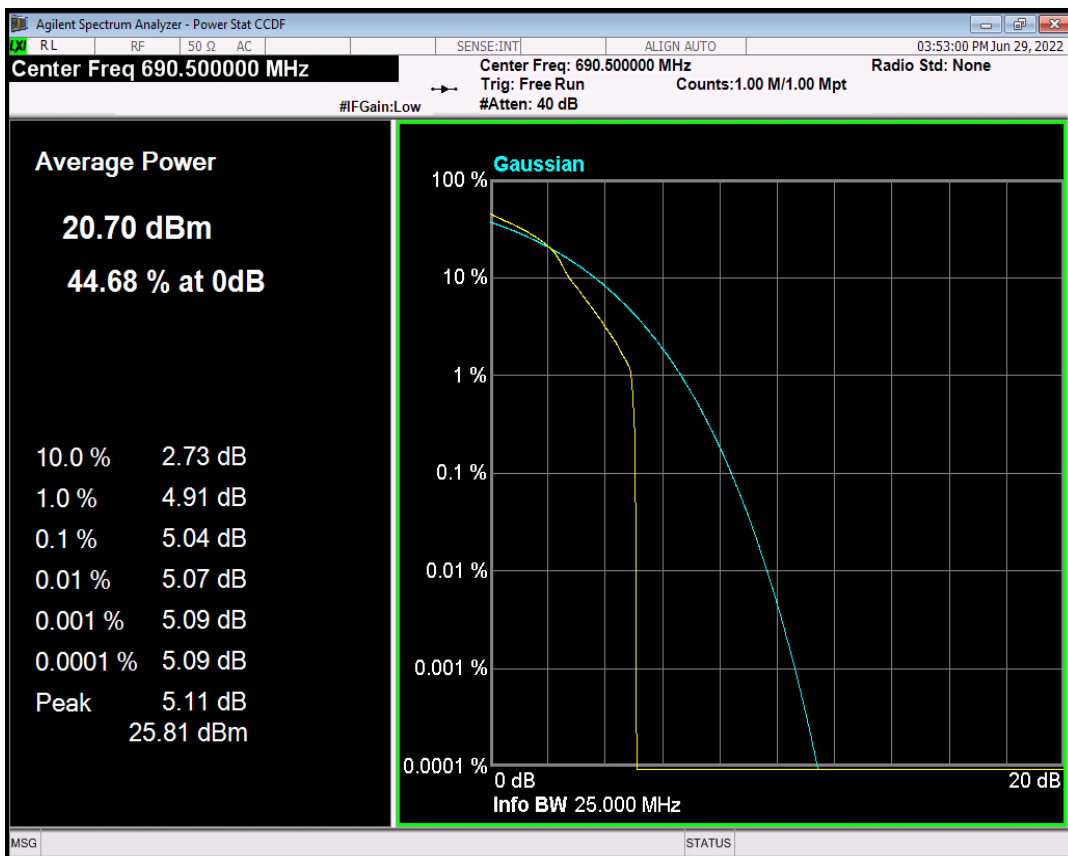




Band71 QPSK BW=15MHz Channel=133397 RB Size=1 Position=#0

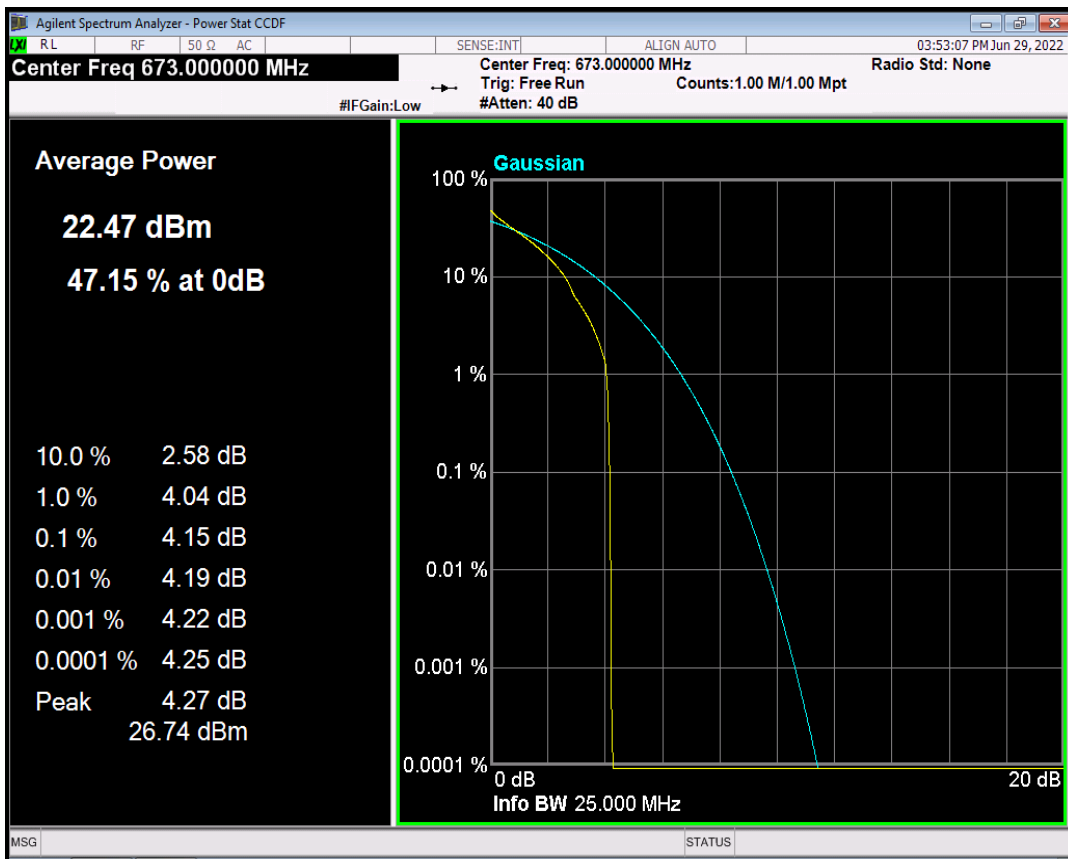


Band71 QAM16 BW=15MHz Channel=133397 RB Size=1 Position=#0

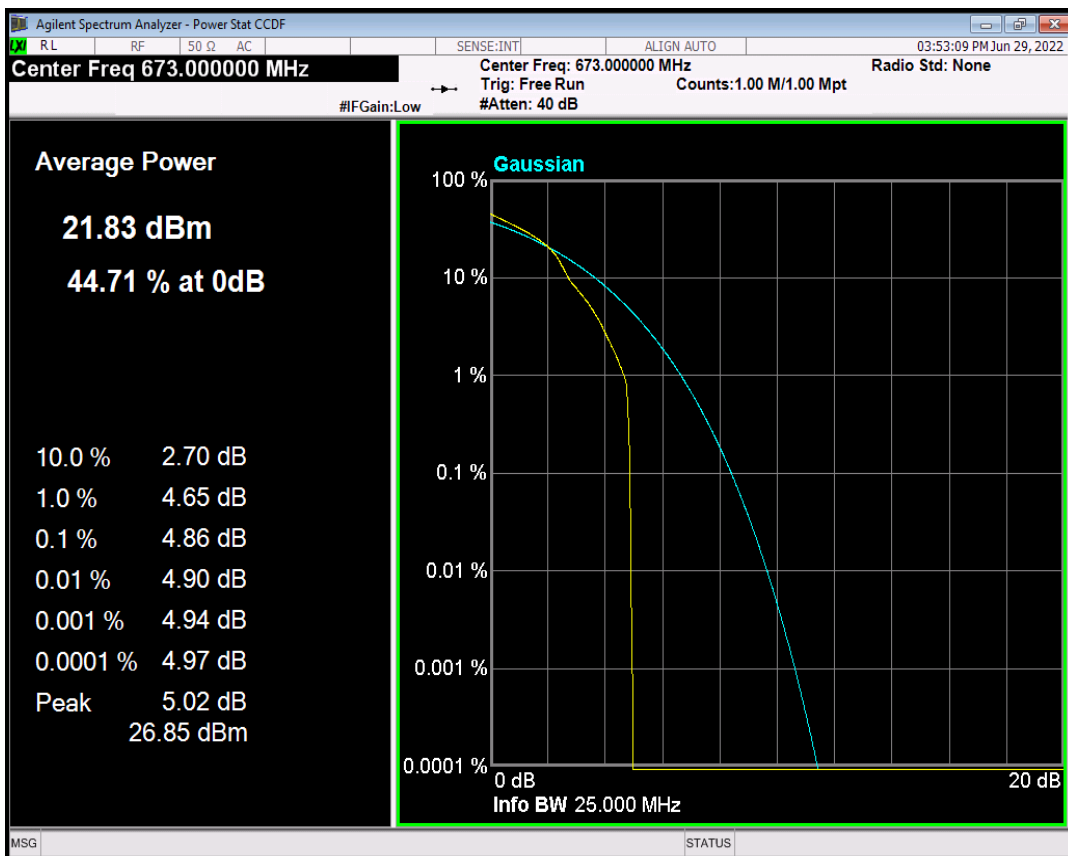




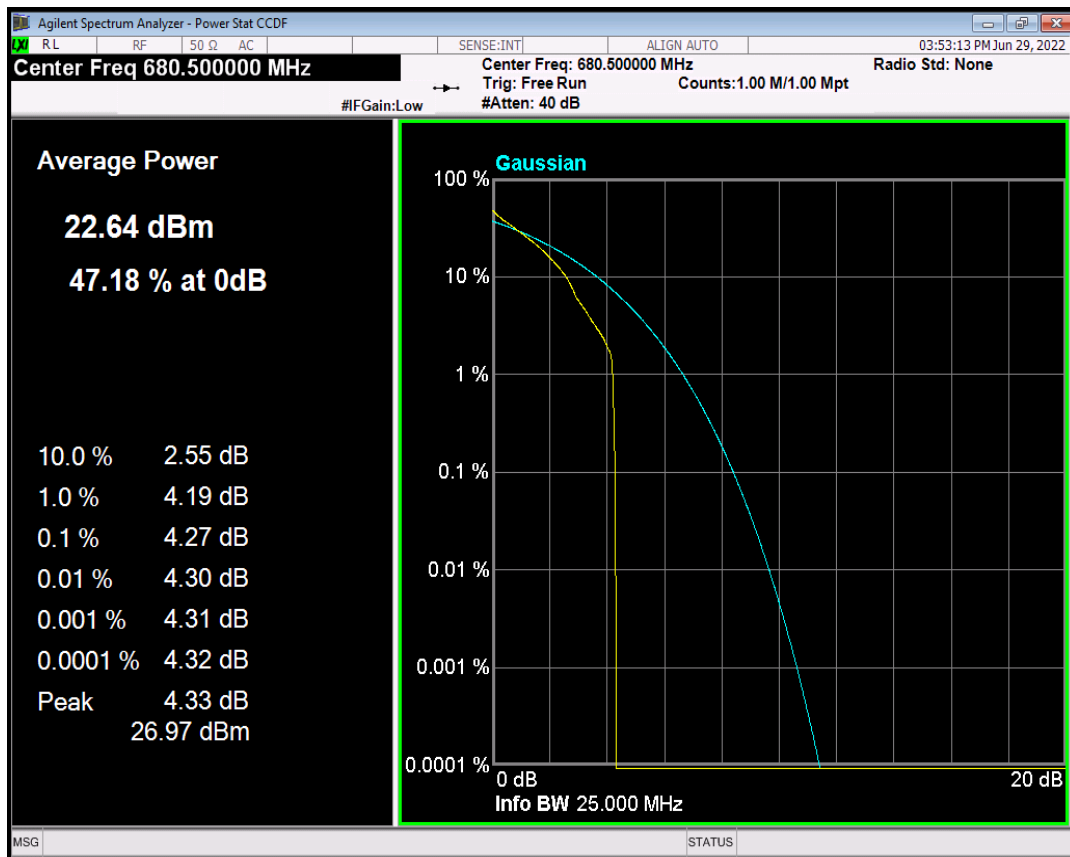
Band71 QPSK BW=20MHz Channel=133222 RB Size=1 Position=#0



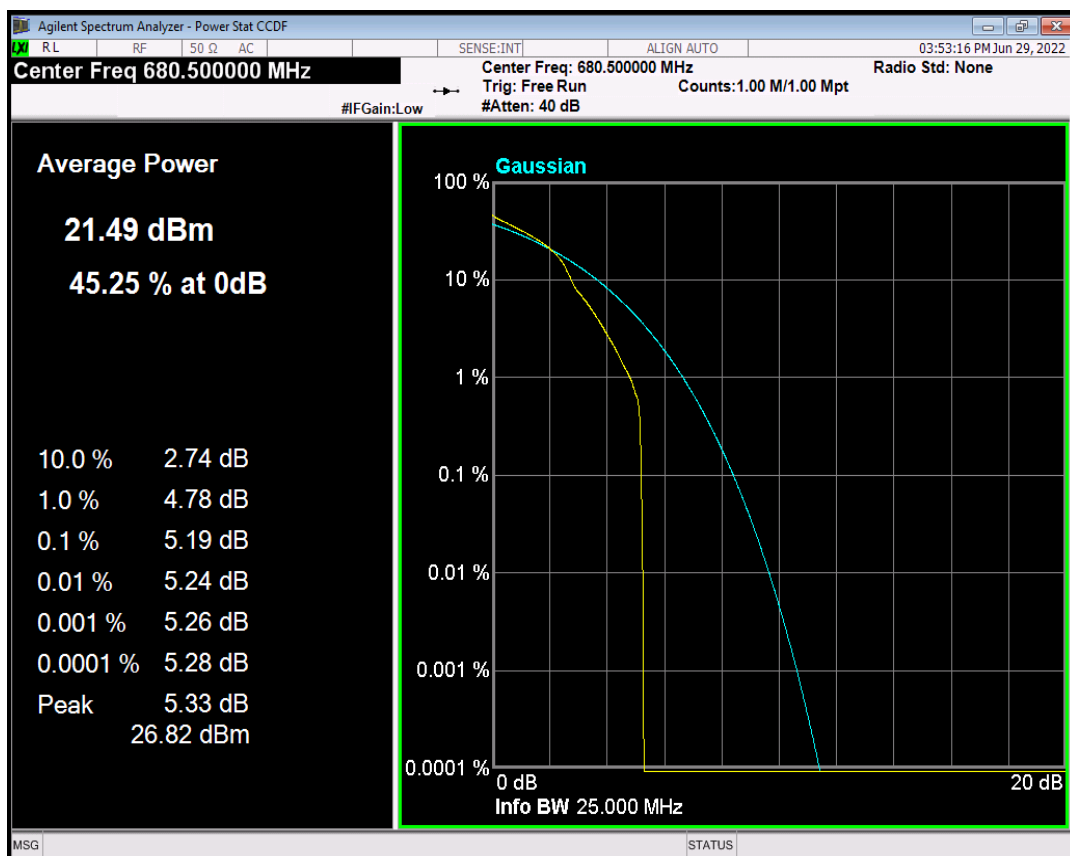
Band71 QAM16 BW=20MHz Channel=133222 RB Size=1 Position=#0



Band71 QPSK BW=20MHz Channel=133297 RB Size=1 Position=#0

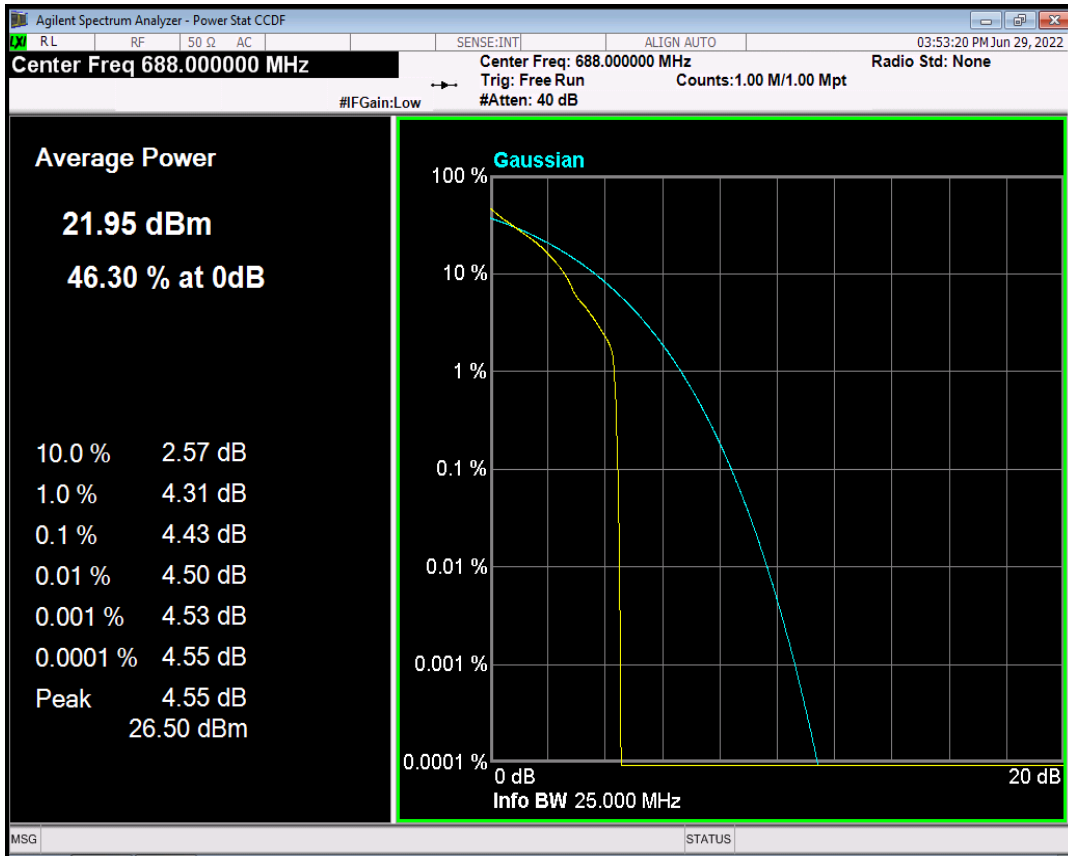


Band71 QAM16 BW=20MHz Channel=133297 RB Size=1 Position=#0

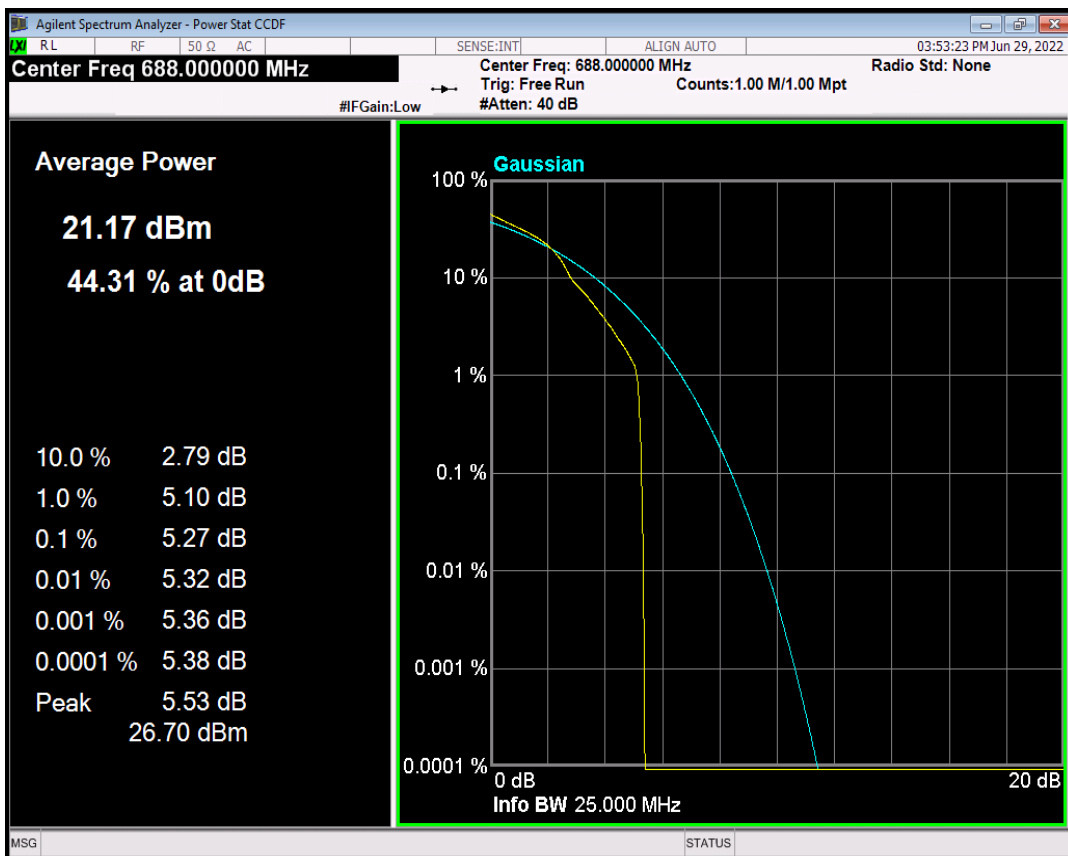




Band71 QPSK BW=20MHz Channel=133372 RB Size=1 Position=#0



Band71 QAM16 BW=20MHz Channel=133372 RB Size=1 Position=#0

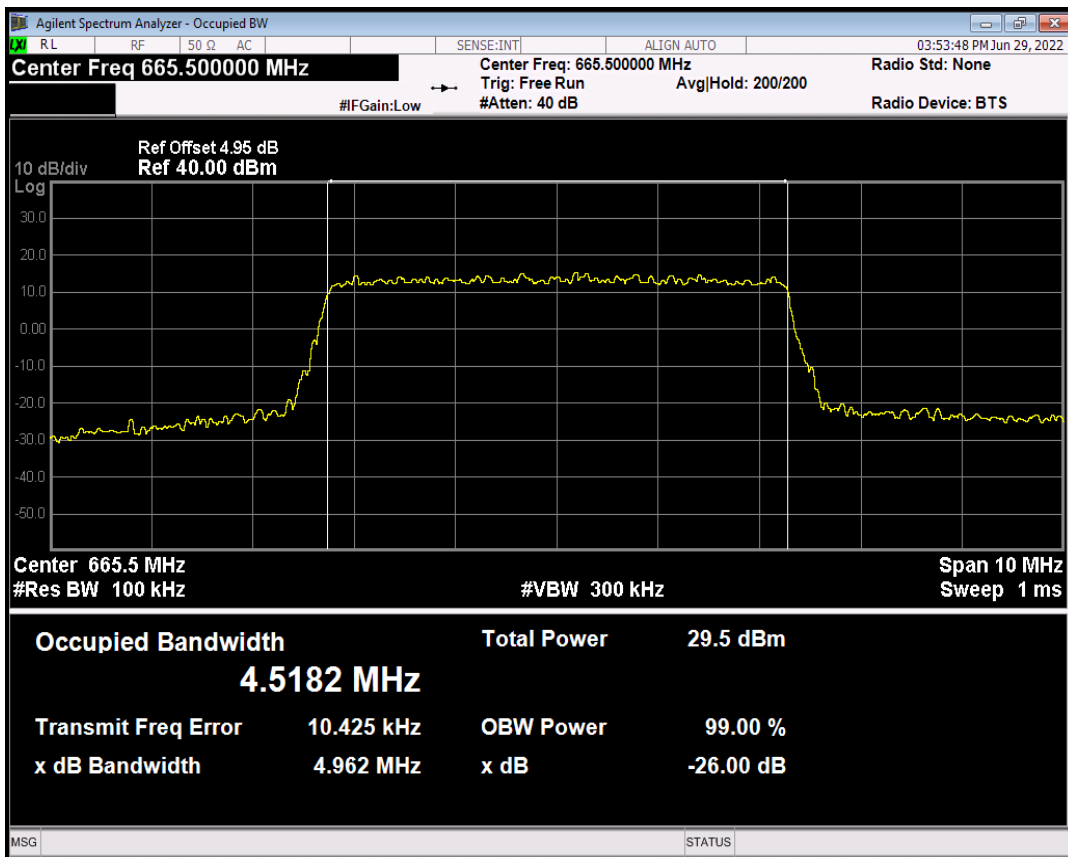


Appendix 4. Occupied bandwidth

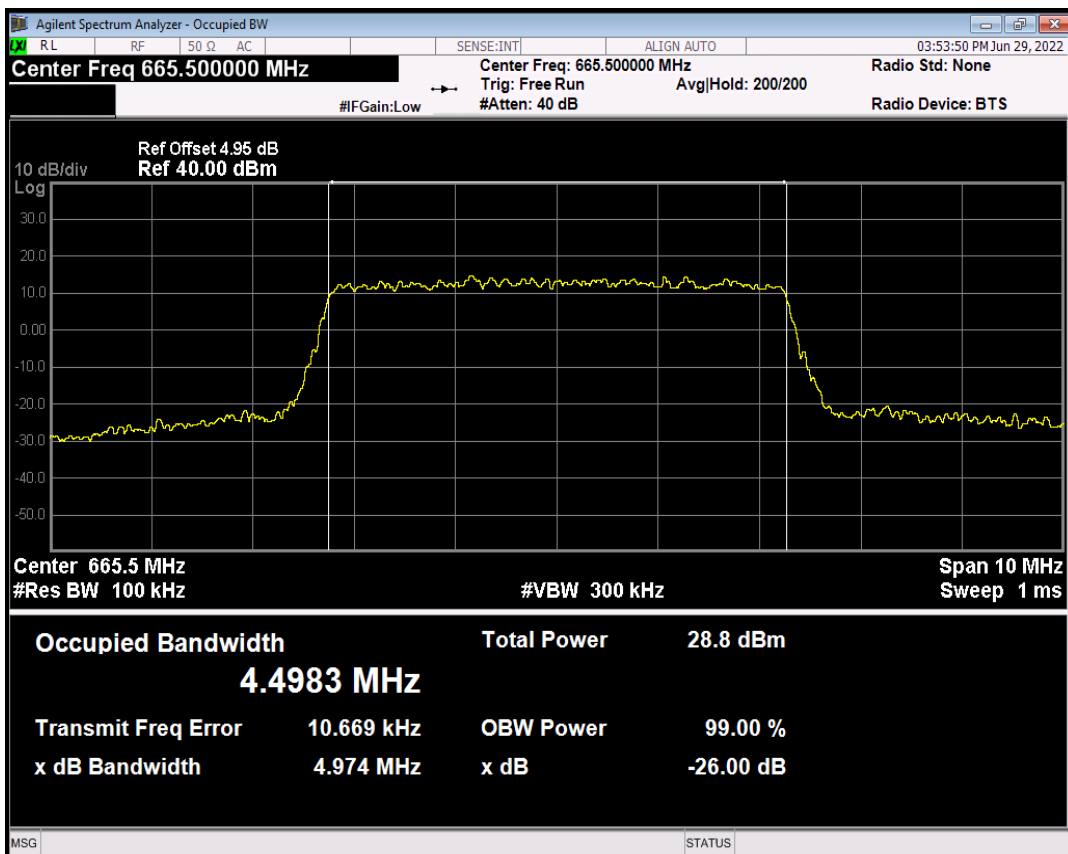
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band71	5	133147	25	#0	QPSK	4.518	4.962	PASS
Band71	5	133147	25	#0	QAM16	4.498	4.974	PASS
Band71	5	133297	25	#0	QPSK	4.499	4.985	PASS
Band71	5	133297	25	#0	QAM16	4.500	4.980	PASS
Band71	5	133447	25	#0	QPSK	4.502	4.938	PASS
Band71	5	133447	25	#0	QAM16	4.505	4.975	PASS
Band71	10	133172	50	#0	QPSK	9.008	9.784	PASS
Band71	10	133172	50	#0	QAM16	8.990	9.830	PASS
Band71	10	133297	50	#0	QPSK	8.929	9.724	PASS
Band71	10	133297	50	#0	QAM16	8.940	9.676	PASS
Band71	10	133422	50	#0	QPSK	8.950	9.760	PASS
Band71	10	133422	50	#0	QAM16	8.951	9.765	PASS
Band71	15	133197	75	#0	QPSK	13.402	14.627	PASS
Band71	15	133197	75	#0	QAM16	13.419	14.517	PASS
Band71	15	133297	75	#0	QPSK	13.416	14.536	PASS
Band71	15	133297	75	#0	QAM16	13.397	14.490	PASS
Band71	15	133397	75	#0	QPSK	13.528	14.738	PASS
Band71	15	133397	75	#0	QAM16	13.530	14.456	PASS
Band71	20	133222	100	#0	QPSK	17.902	19.327	PASS
Band71	20	133222	100	#0	QAM16	17.981	19.218	PASS
Band71	20	133297	100	#0	QPSK	17.759	19.415	PASS
Band71	20	133297	100	#0	QAM16	17.847	19.232	PASS
Band71	20	133372	100	#0	QPSK	17.951	19.558	PASS
Band71	20	133372	100	#0	QAM16	17.944	19.333	PASS



Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0

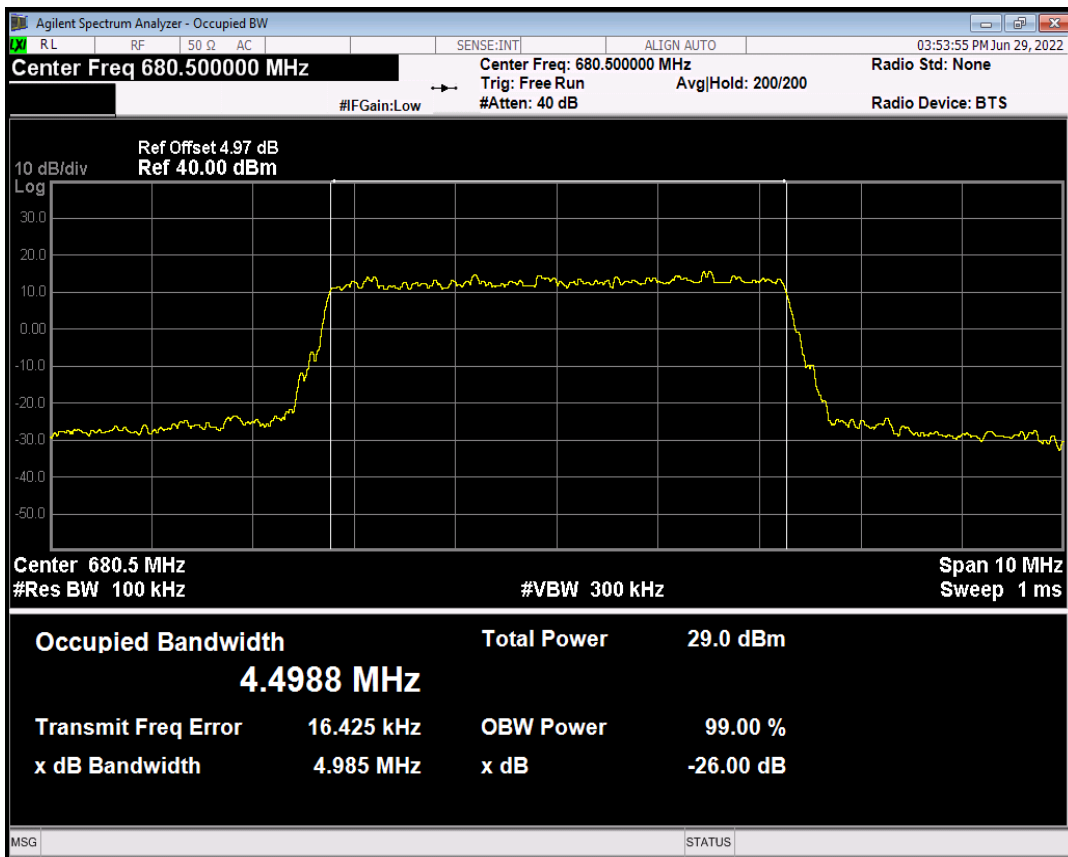


Band71 QAM16 BW=5MHz Channel=133147 RB Size=25 Position=#0

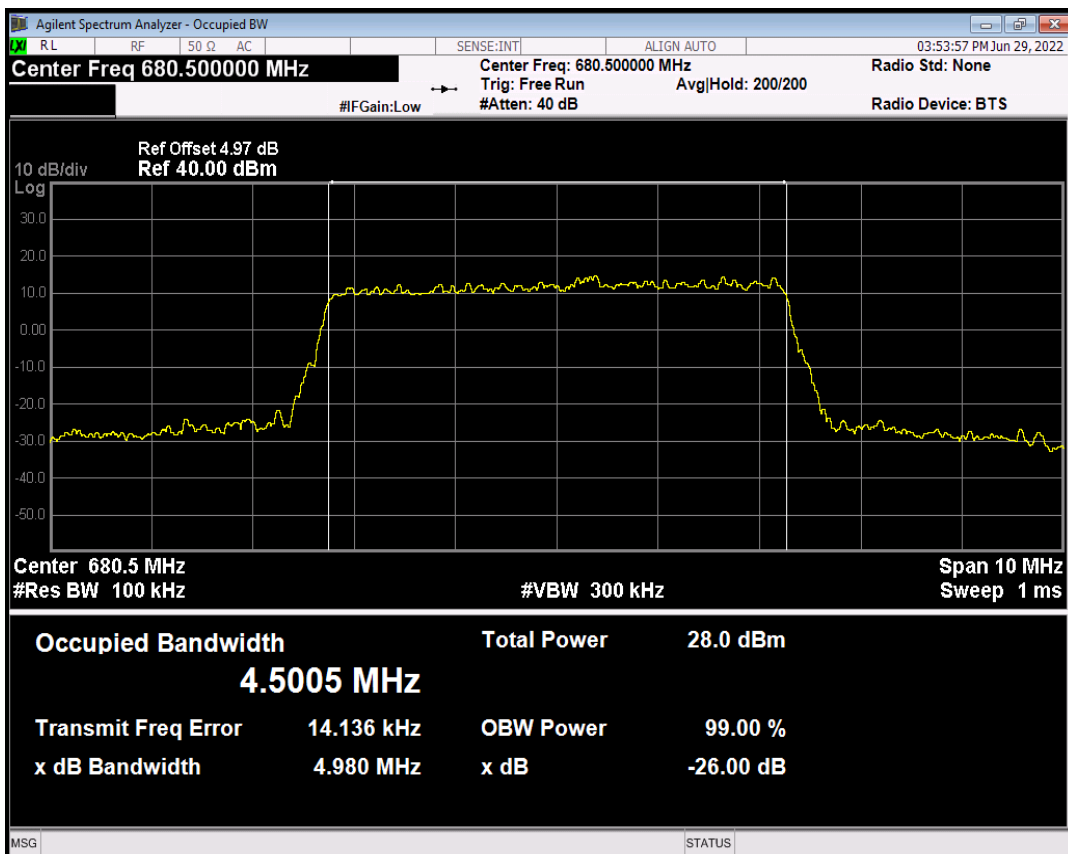




Band71 QPSK BW=5MHz Channel=133297 RB Size=25 Position=#0

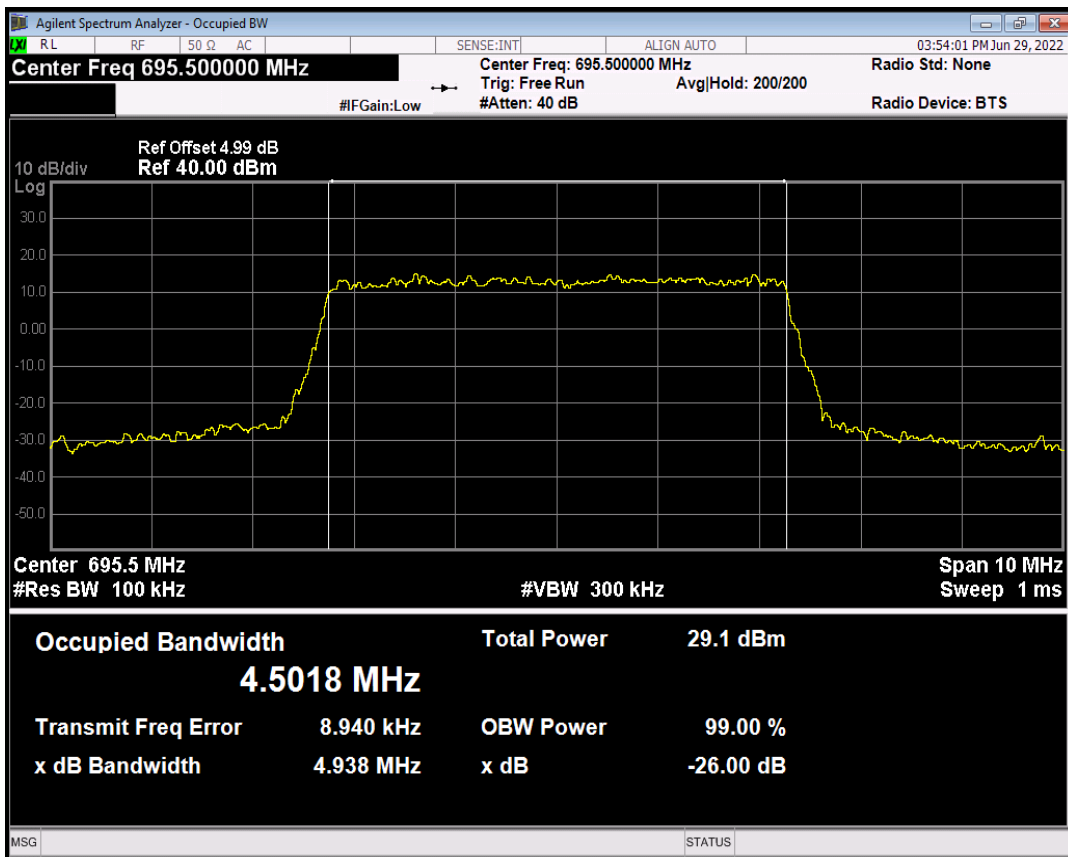


Band71 QAM16 BW=5MHz Channel=133297 RB Size=25 Position=#0

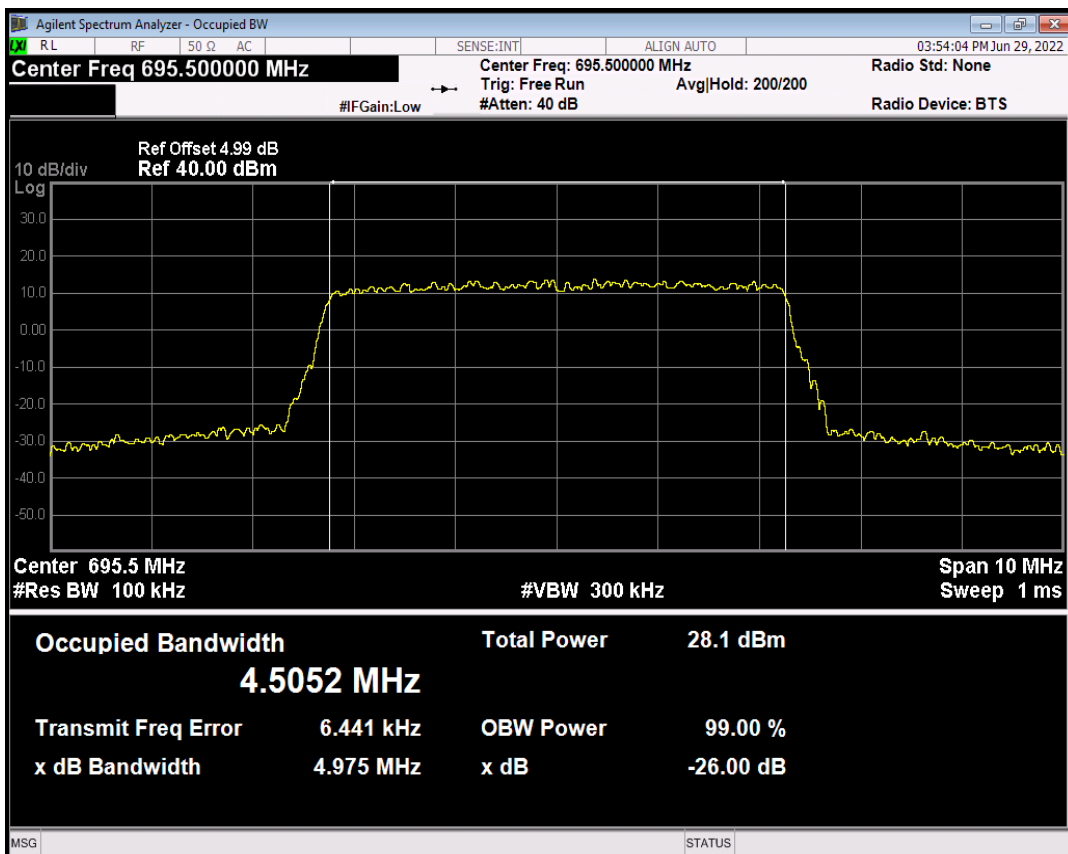




Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0

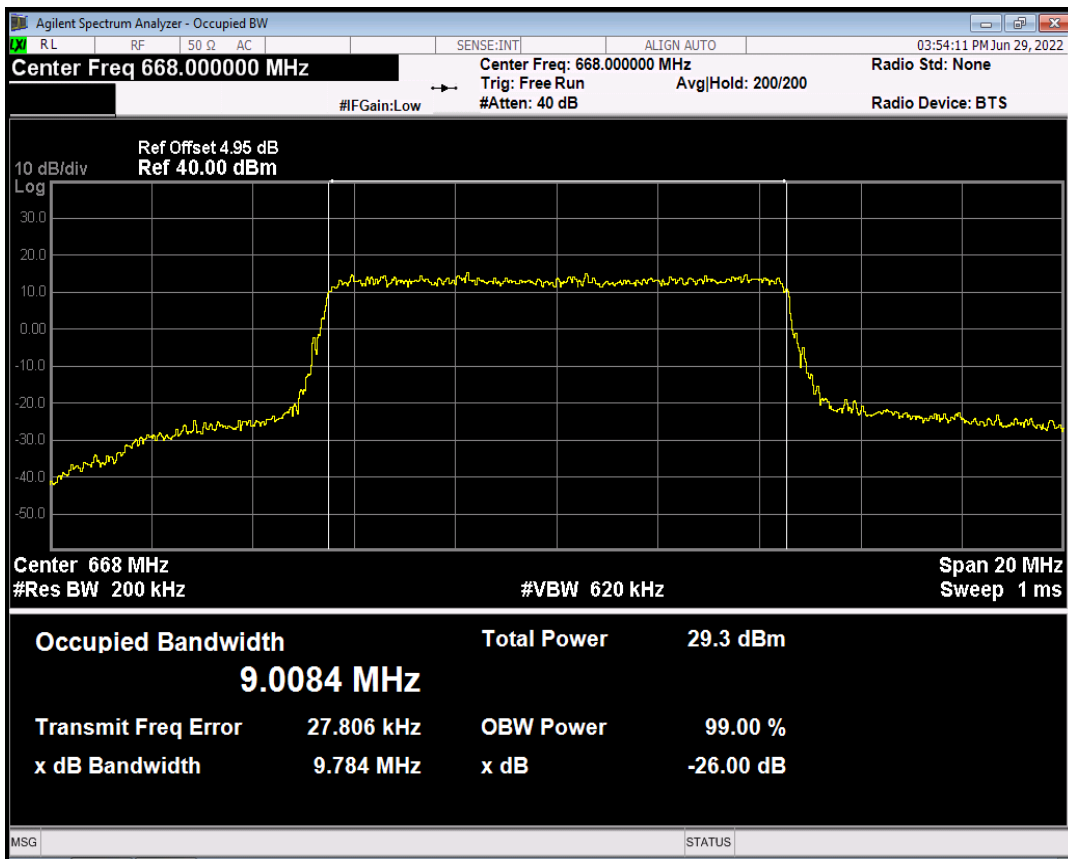


Band71 QAM16 BW=5MHz Channel=133447 RB Size=25 Position=#0

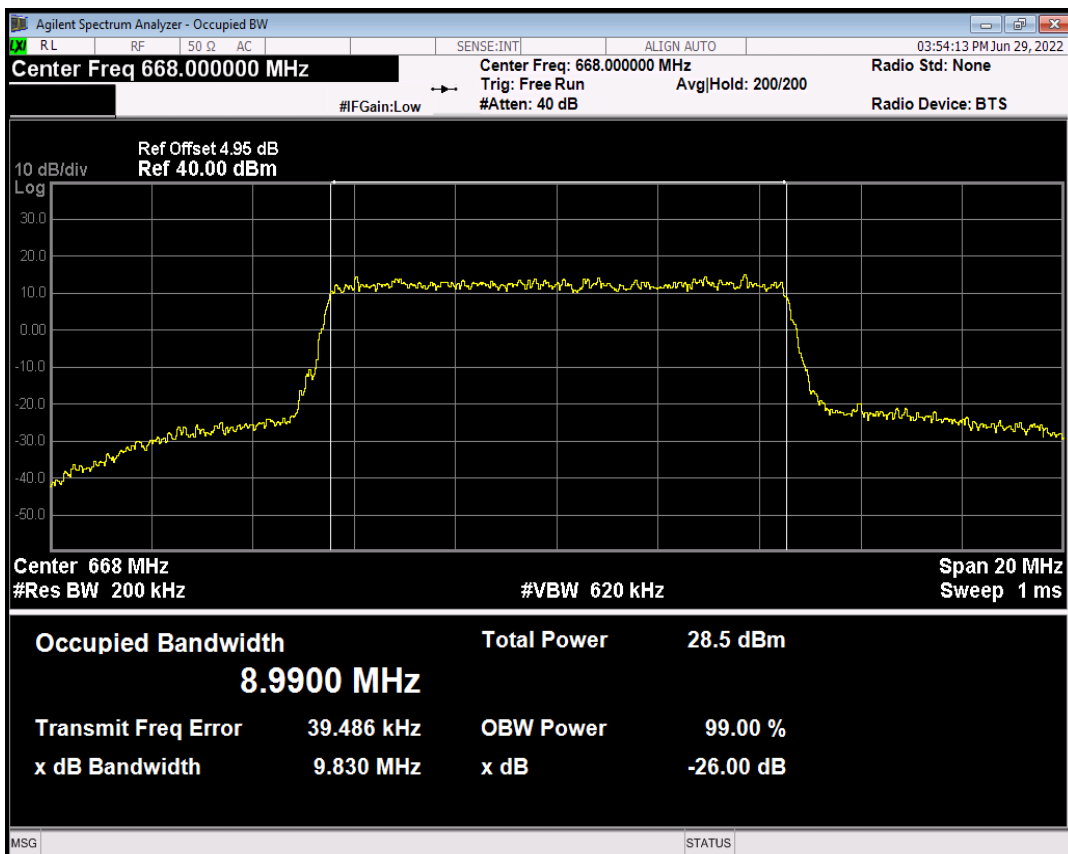




Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0

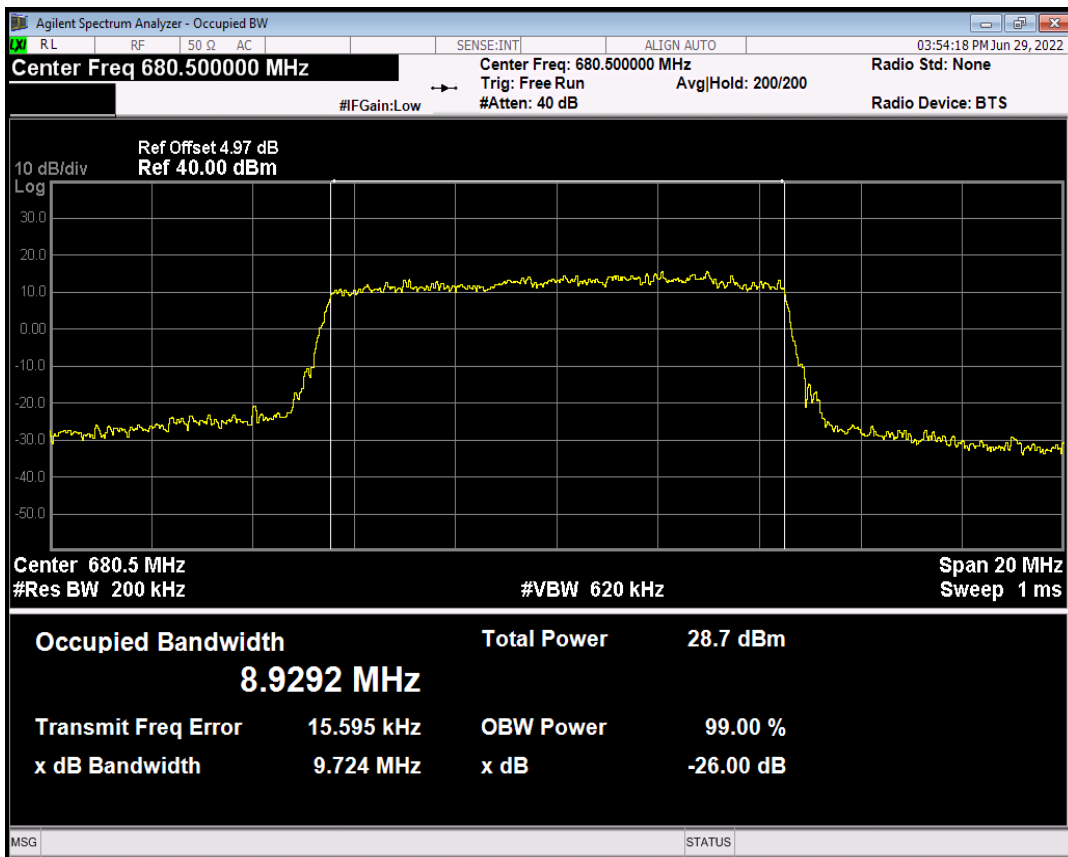


Band71 QAM16 BW=10MHz Channel=133172 RB Size=50 Position=#0

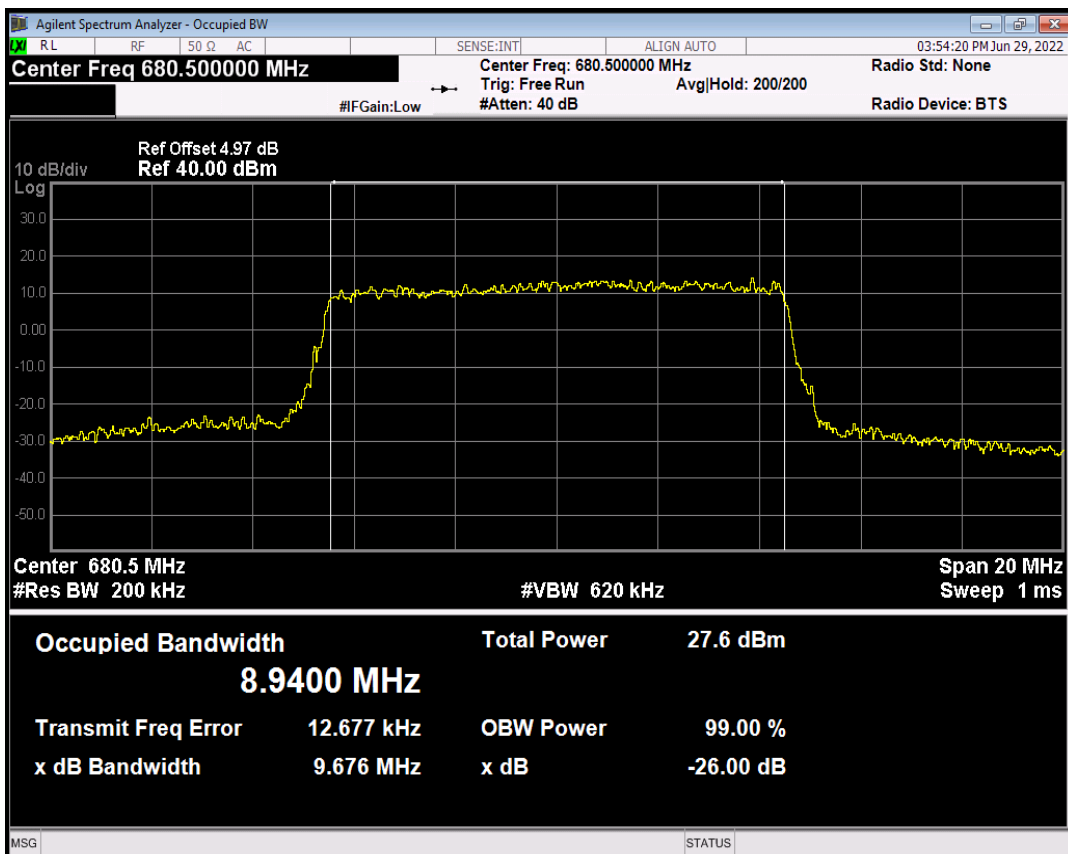




Band71 QPSK BW=10MHz Channel=133297 RB Size=50 Position=#0

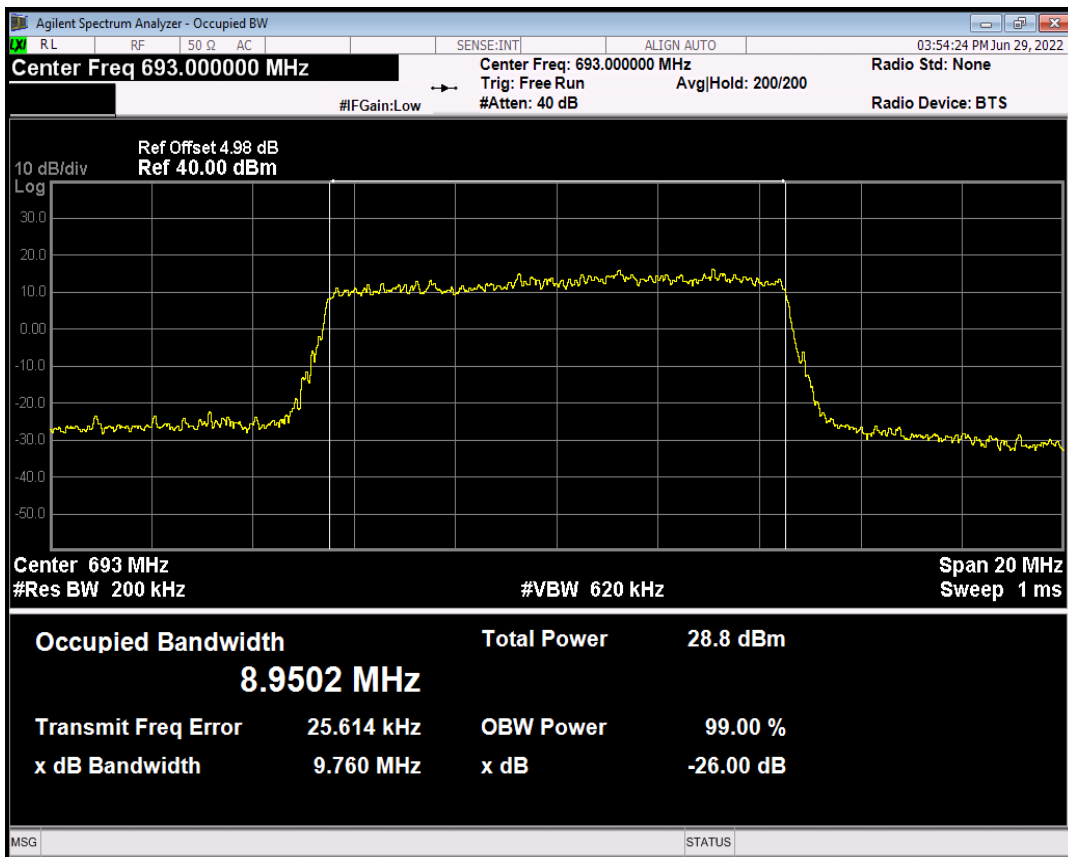


Band71 QAM16 BW=10MHz Channel=133297 RB Size=50 Position=#0

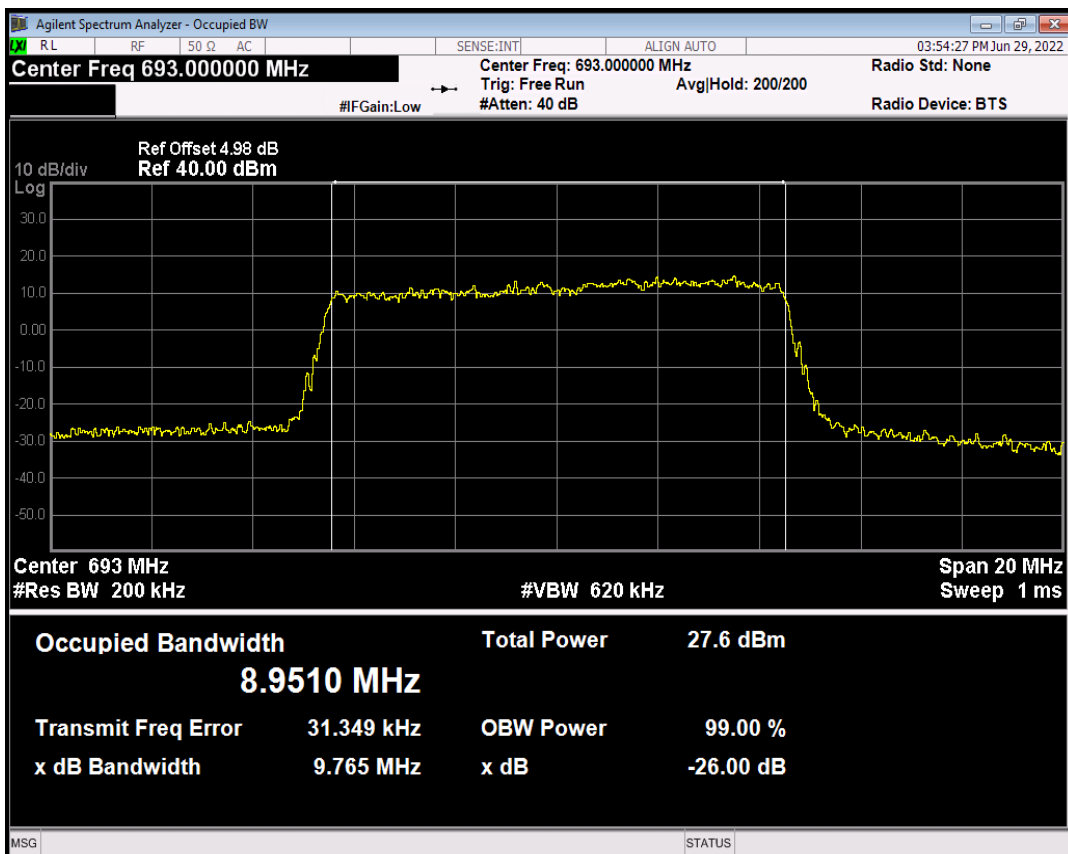




Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0

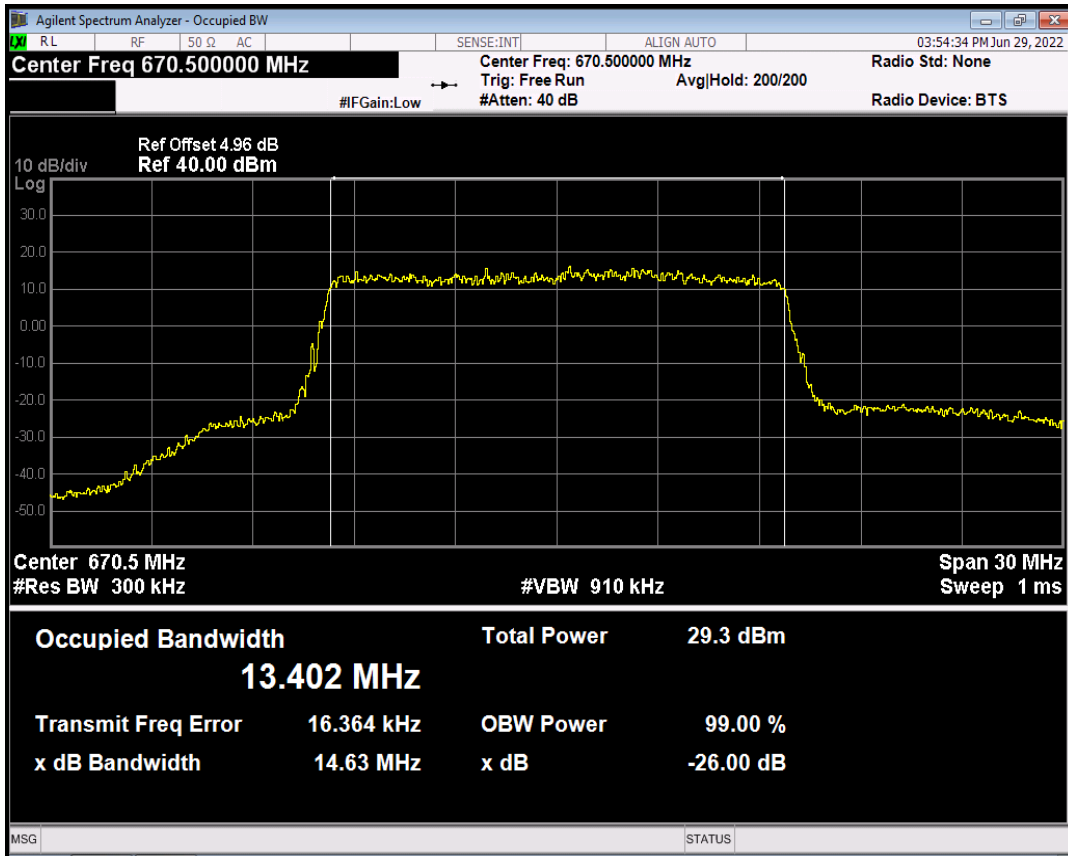


Band71 QAM16 BW=10MHz Channel=133422 RB Size=50 Position=#0

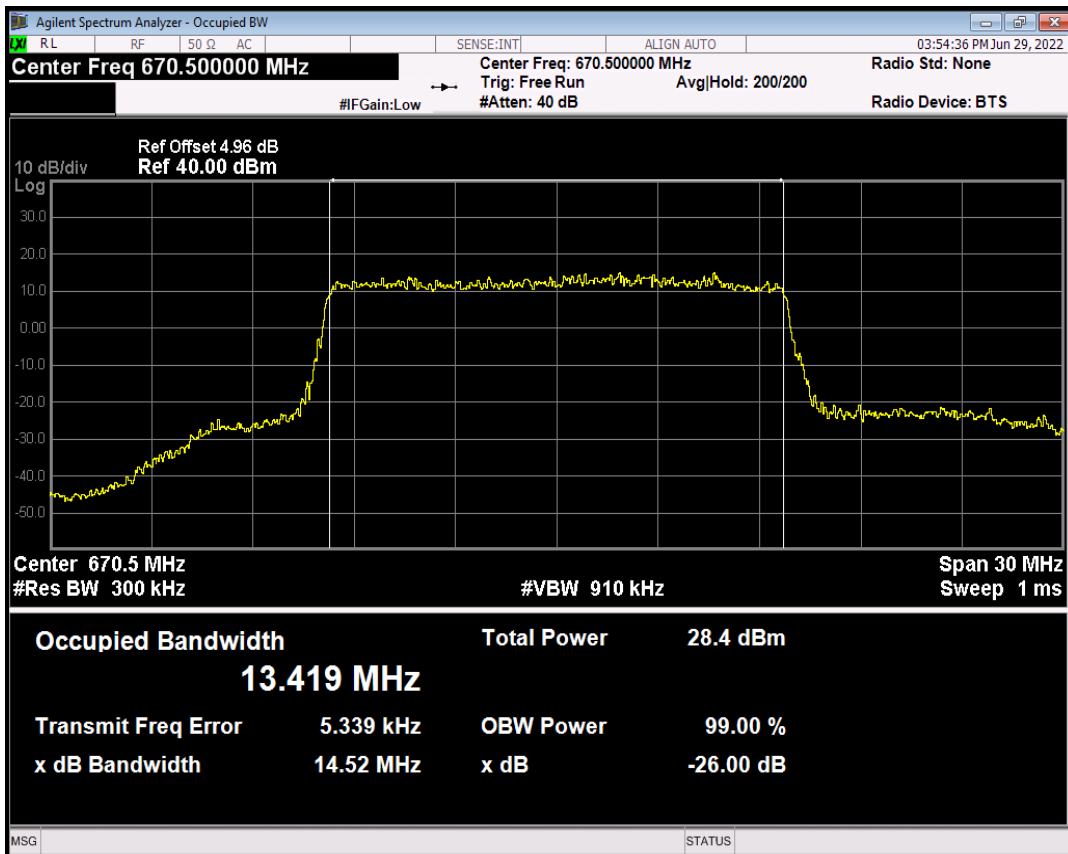




Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0

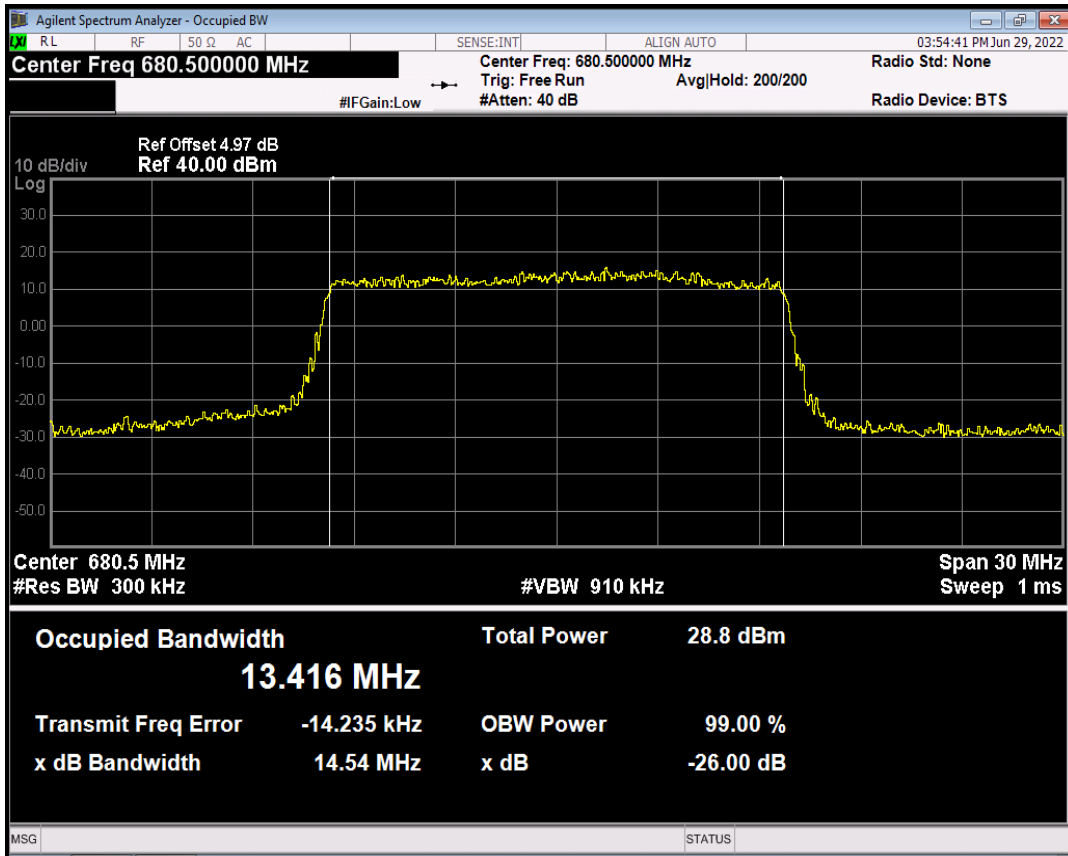


Band71 QAM16 BW=15MHz Channel=133197 RB Size=75 Position=#0

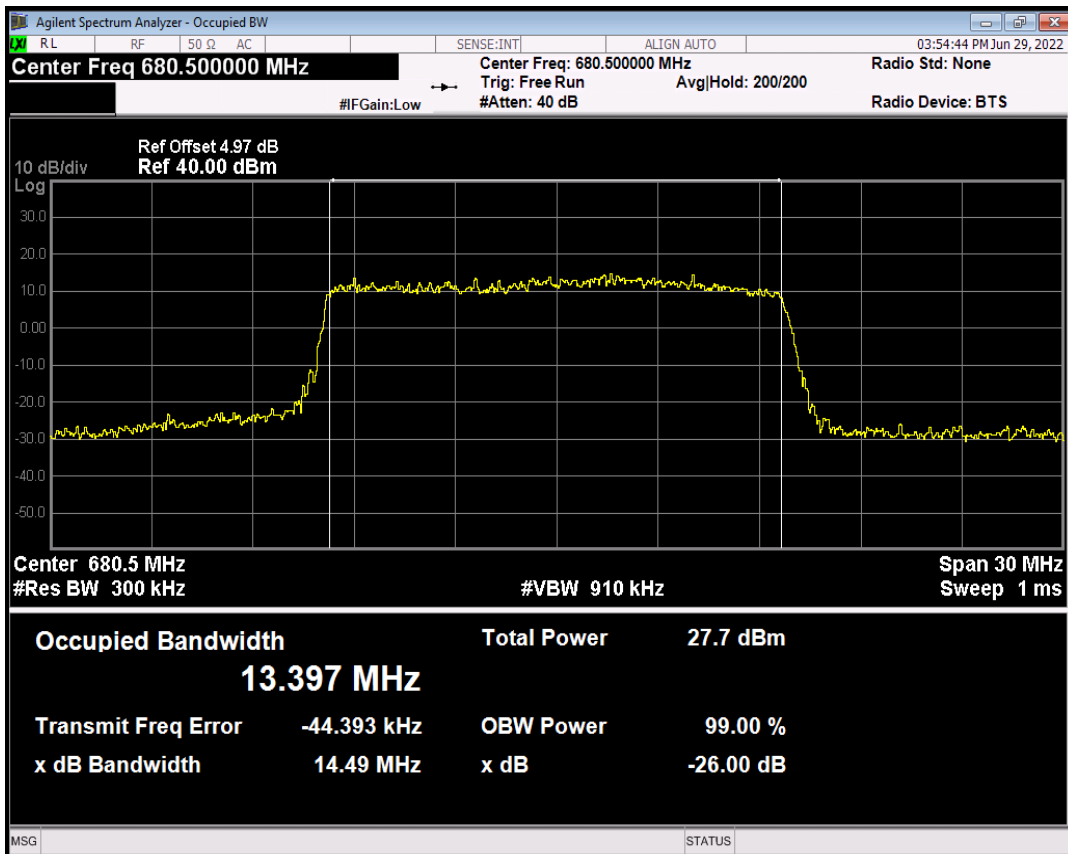




Band71 QPSK BW=15MHz Channel=133297 RB Size=75 Position=#0

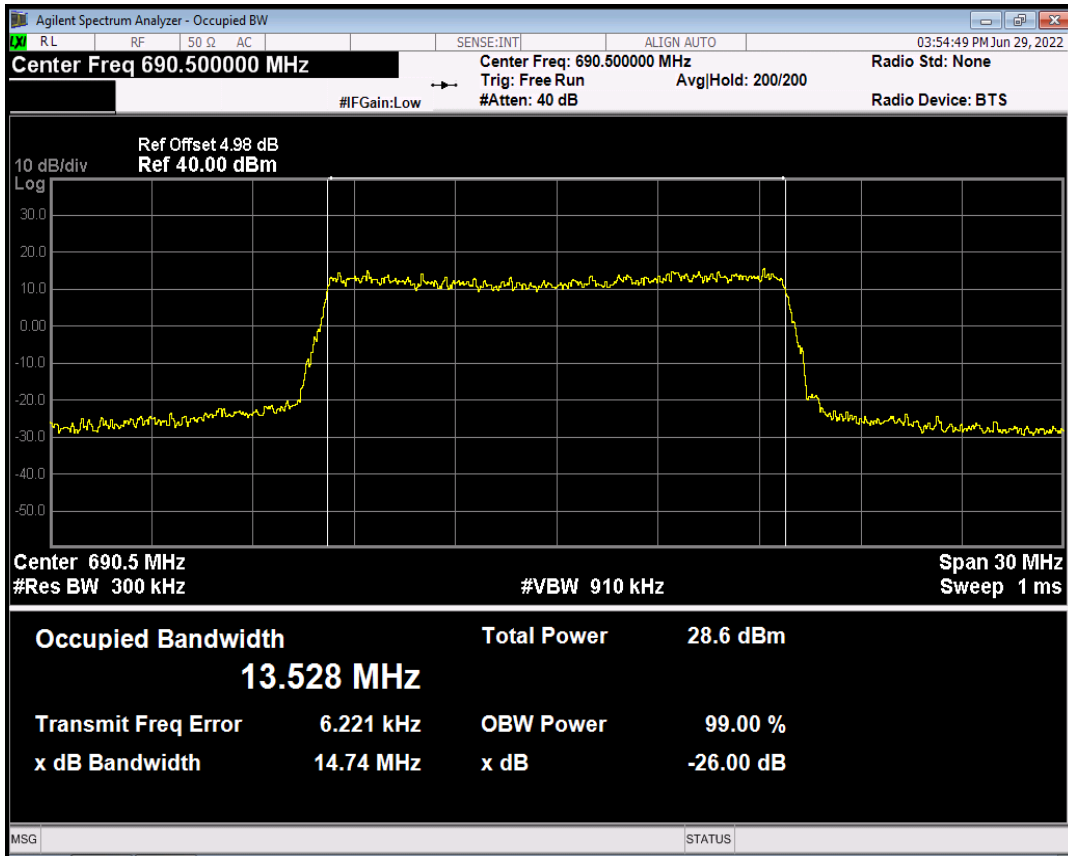


Band71 QAM16 BW=15MHz Channel=133297 RB Size=75 Position=#0

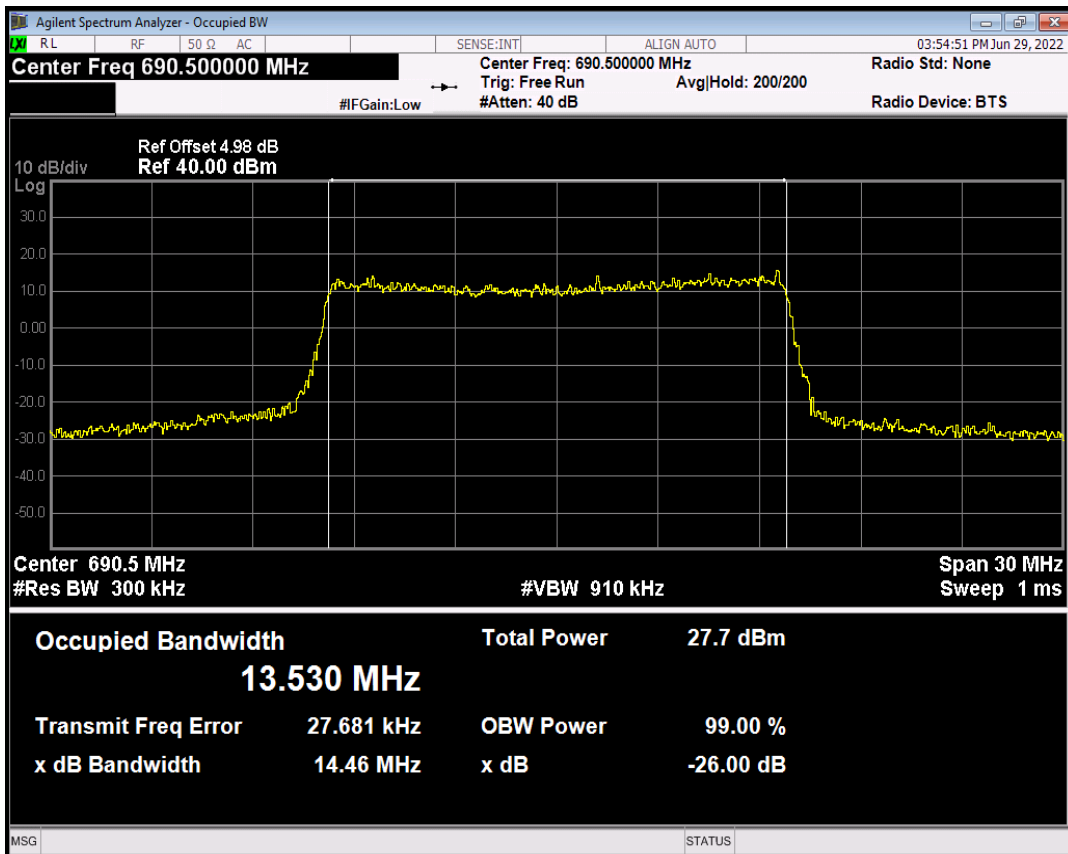




Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0

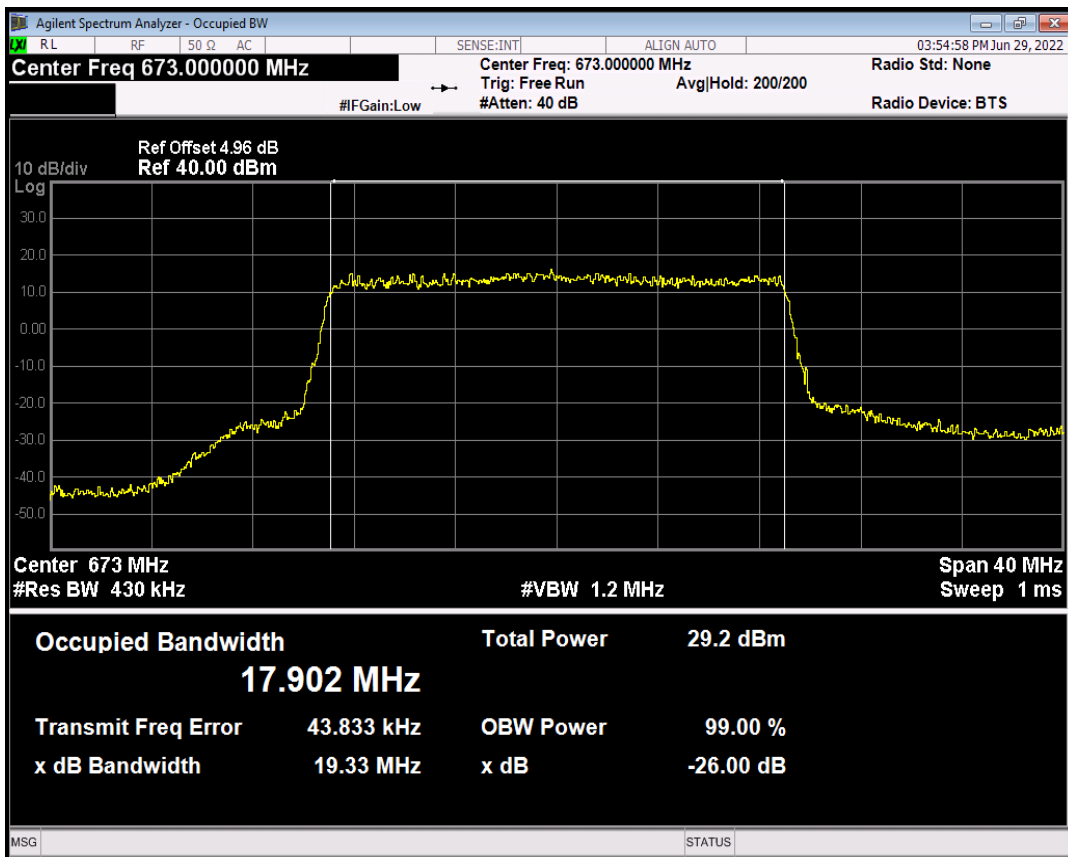


Band71 QAM16 BW=15MHz Channel=133397 RB Size=75 Position=#0

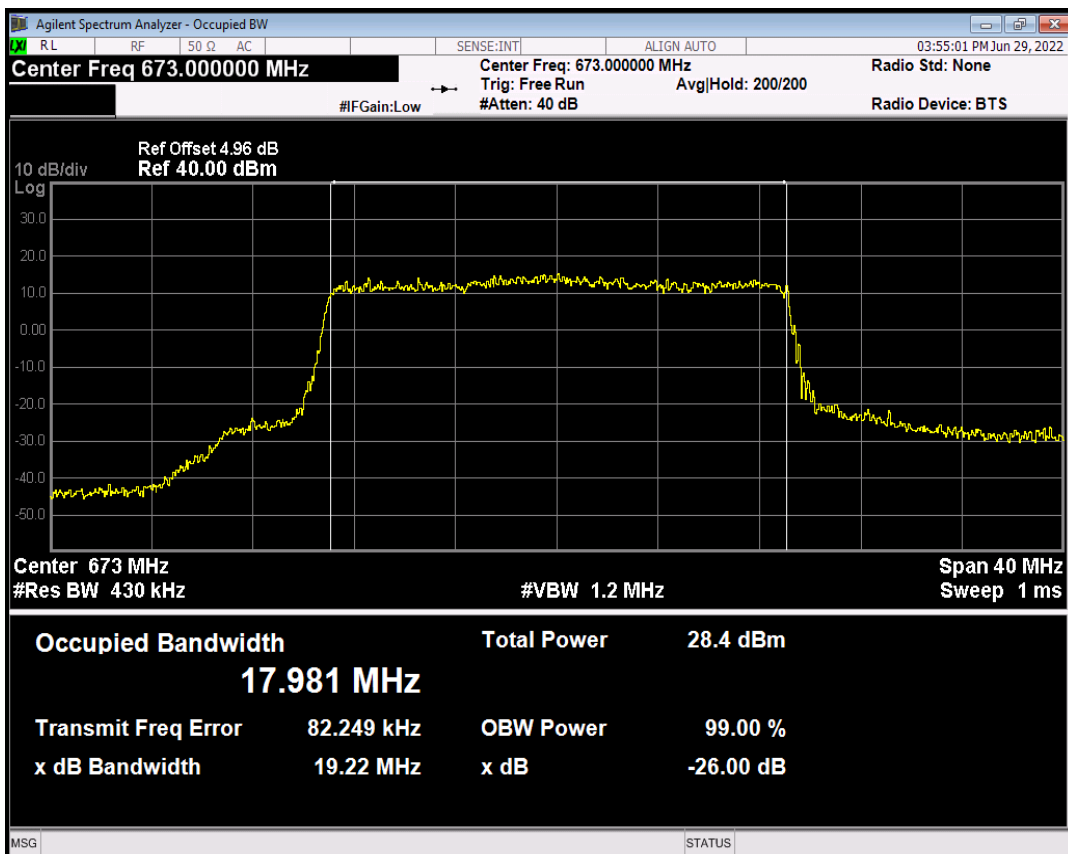




Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0

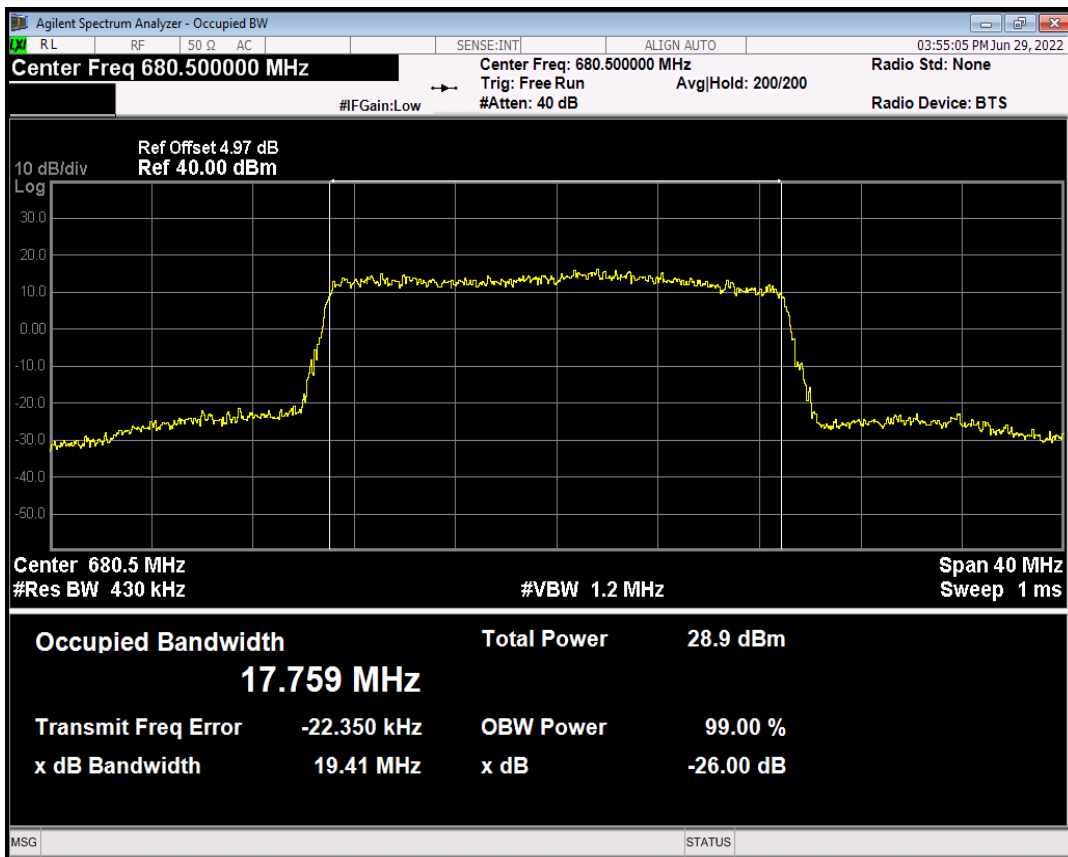


Band71 QAM16 BW=20MHz Channel=133222 RB Size=100 Position=#0

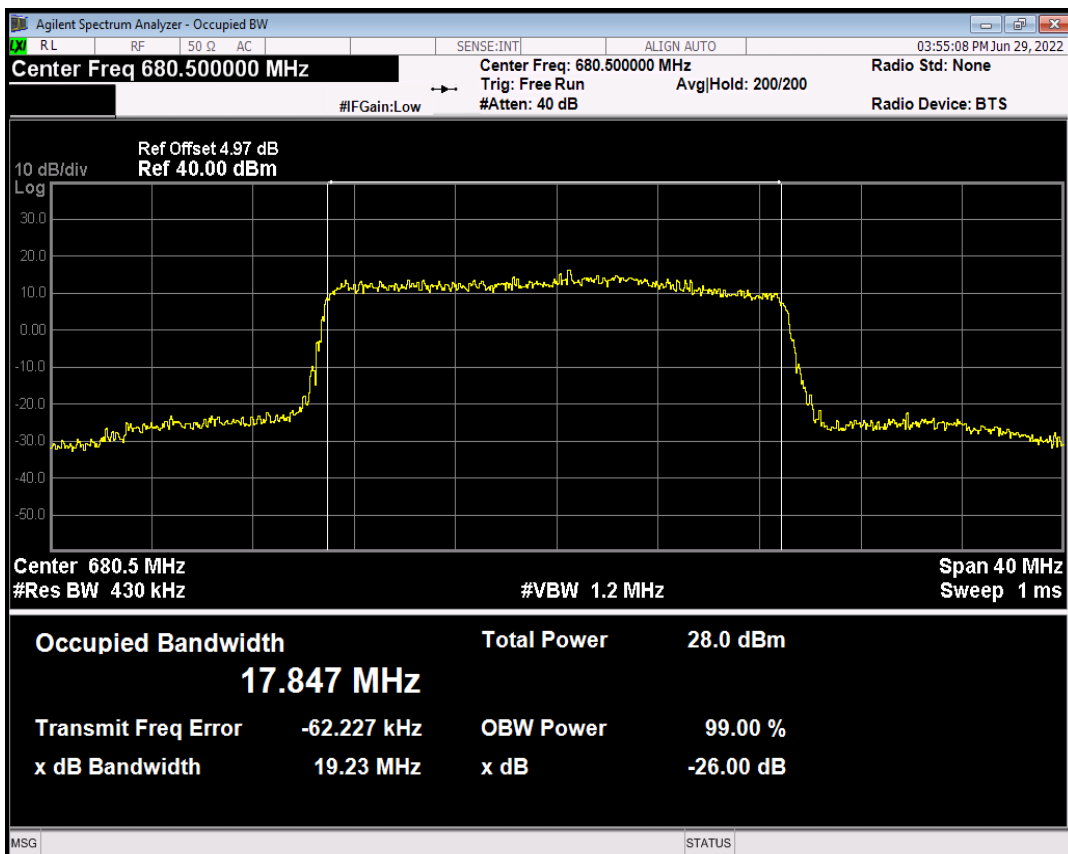




Band71 QPSK BW=20MHz Channel=133297 RB Size=100 Position=#0

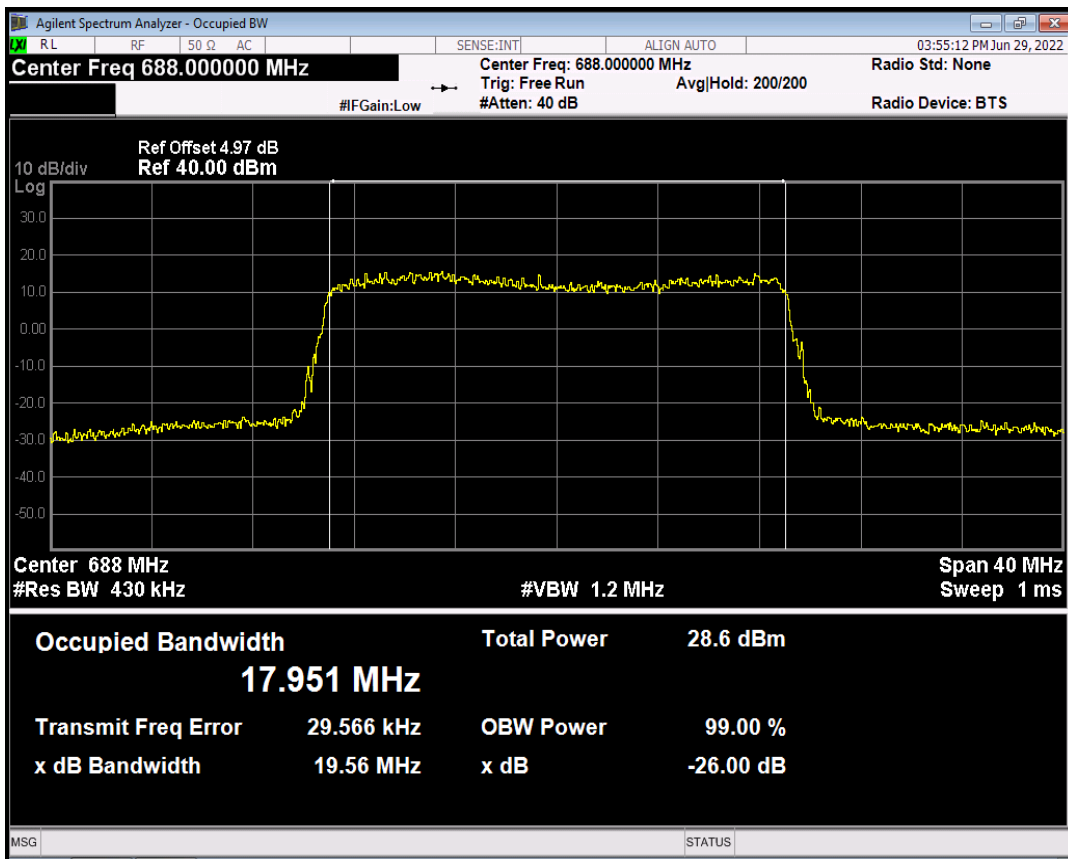


Band71 QAM16 BW=20MHz Channel=133297 RB Size=100 Position=#0

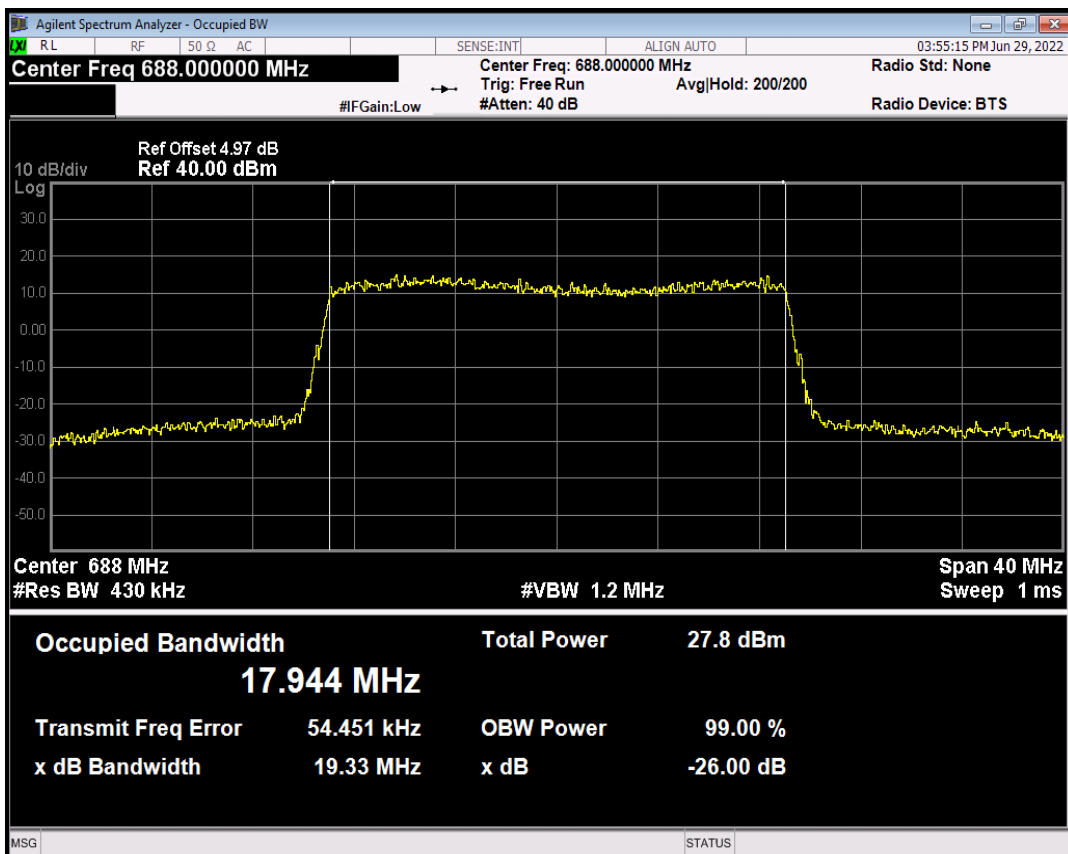




Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0



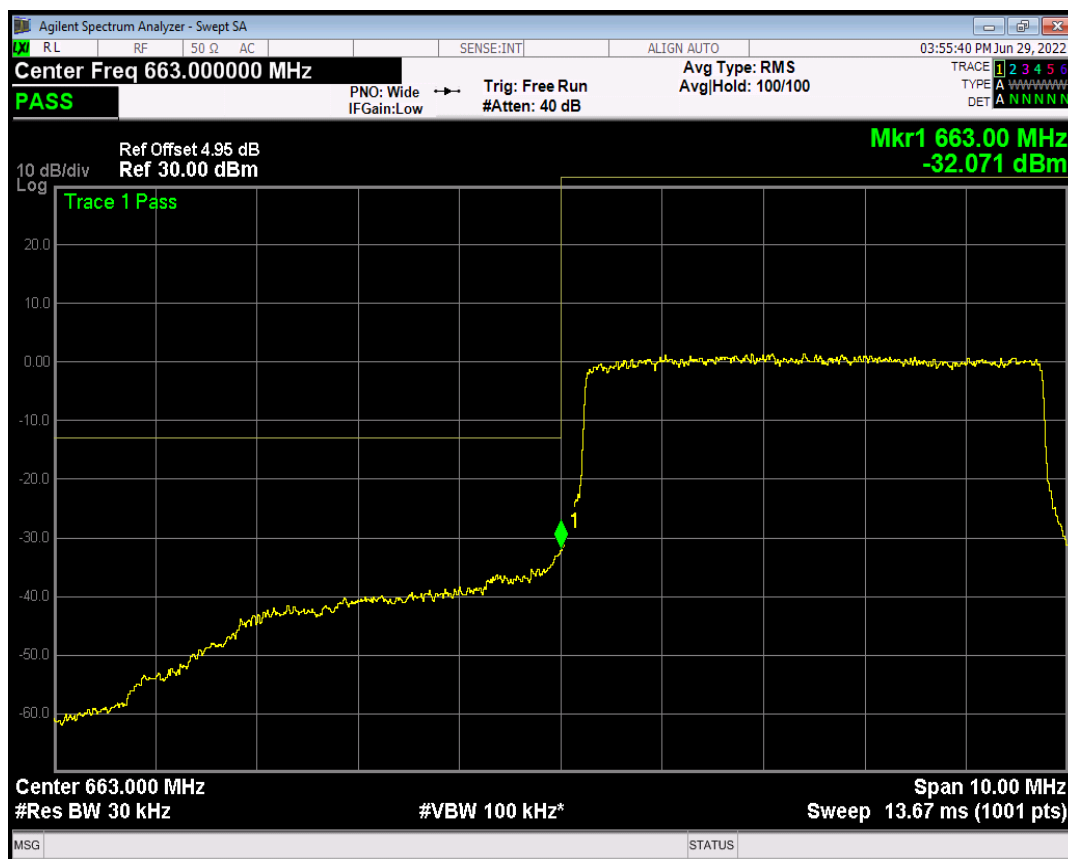
Band71 QAM16 BW=20MHz Channel=133372 RB Size=100 Position=#0



Appendix 5. Band edge

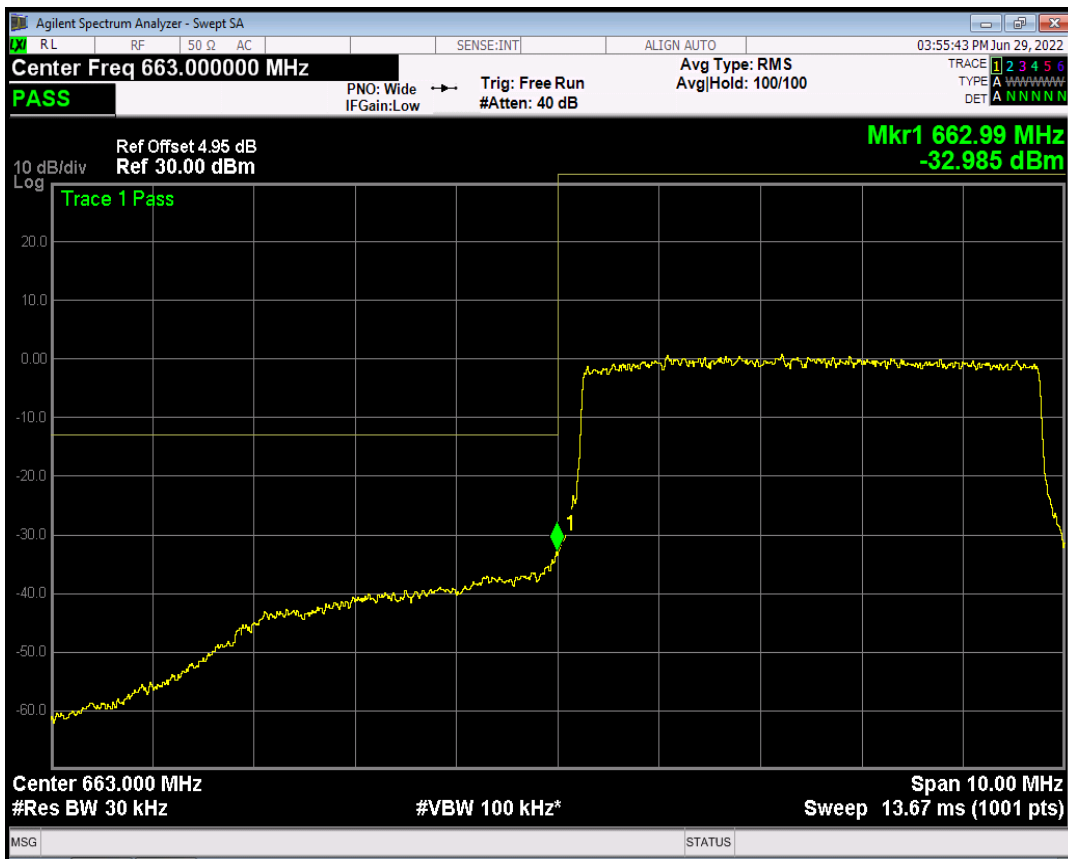
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	25	#0	QPSK	663.00	-32.07	-13	PASS
Band71	5	133147	25	#0	QAM16	662.99	-32.98	-13	PASS
Band71	5	133447	25	#0	QPSK	698.02	-33.31	-13	PASS
Band71	5	133447	25	#0	QAM16	698.00	-33.33	-13	PASS
Band71	10	133172	50	#0	QPSK	662.98	-35.84	-13	PASS
Band71	10	133172	50	#0	QAM16	662.96	-38.11	-13	PASS
Band71	10	133422	50	#0	QPSK	698.00	-38.07	-13	PASS
Band71	10	133422	50	#0	QAM16	698.00	-38.44	-13	PASS
Band71	15	133197	75	#0	QPSK	663.00	-38.25	-13	PASS
Band71	15	133197	75	#0	QAM16	662.97	-40.30	-13	PASS
Band71	15	133397	75	#0	QPSK	698.00	-38.63	-13	PASS
Band71	15	133397	75	#0	QAM16	698.03	-40.71	-13	PASS
Band71	20	133222	100	#0	QPSK	662.96	-42.02	-13	PASS
Band71	20	133222	100	#0	QAM16	662.88	-42.90	-13	PASS
Band71	20	133372	100	#0	QPSK	698.00	-41.66	-13	PASS
Band71	20	133372	100	#0	QAM16	698.00	-42.57	-13	PASS

Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0

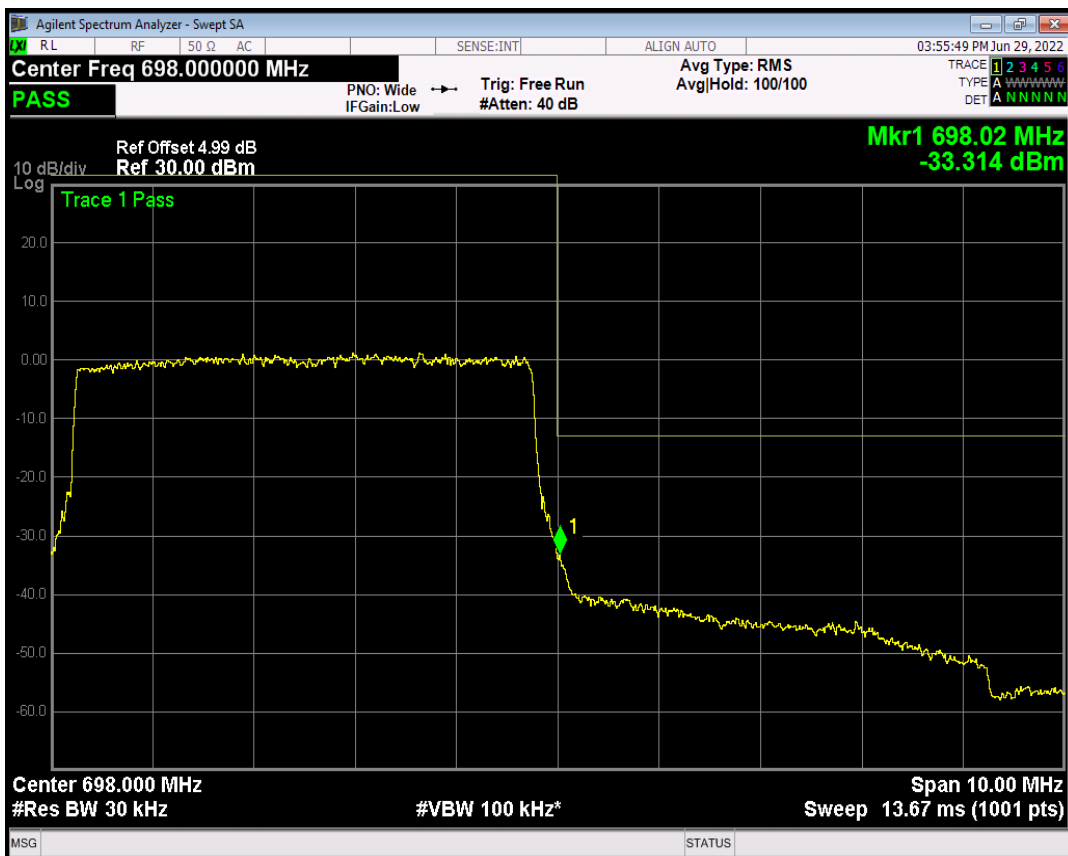




Band71 QAM16 BW=5MHz Channel=133147 RB Size=25 Position=#0

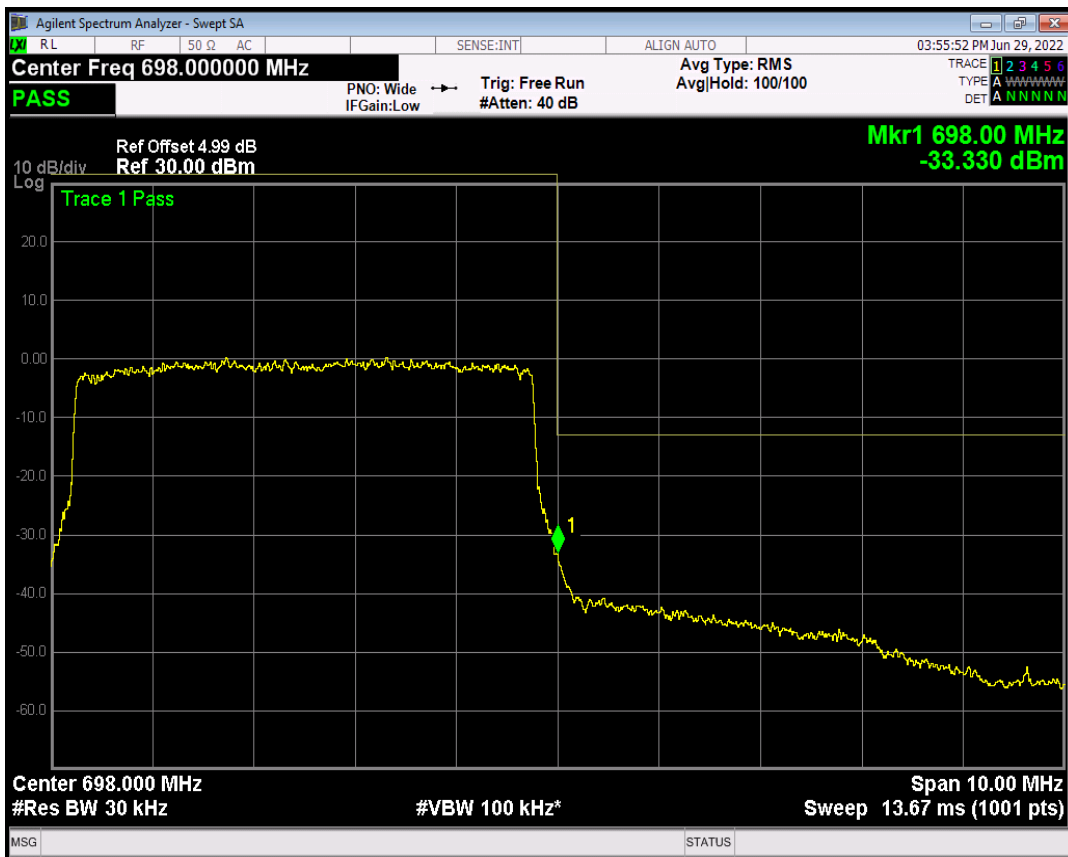


Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0

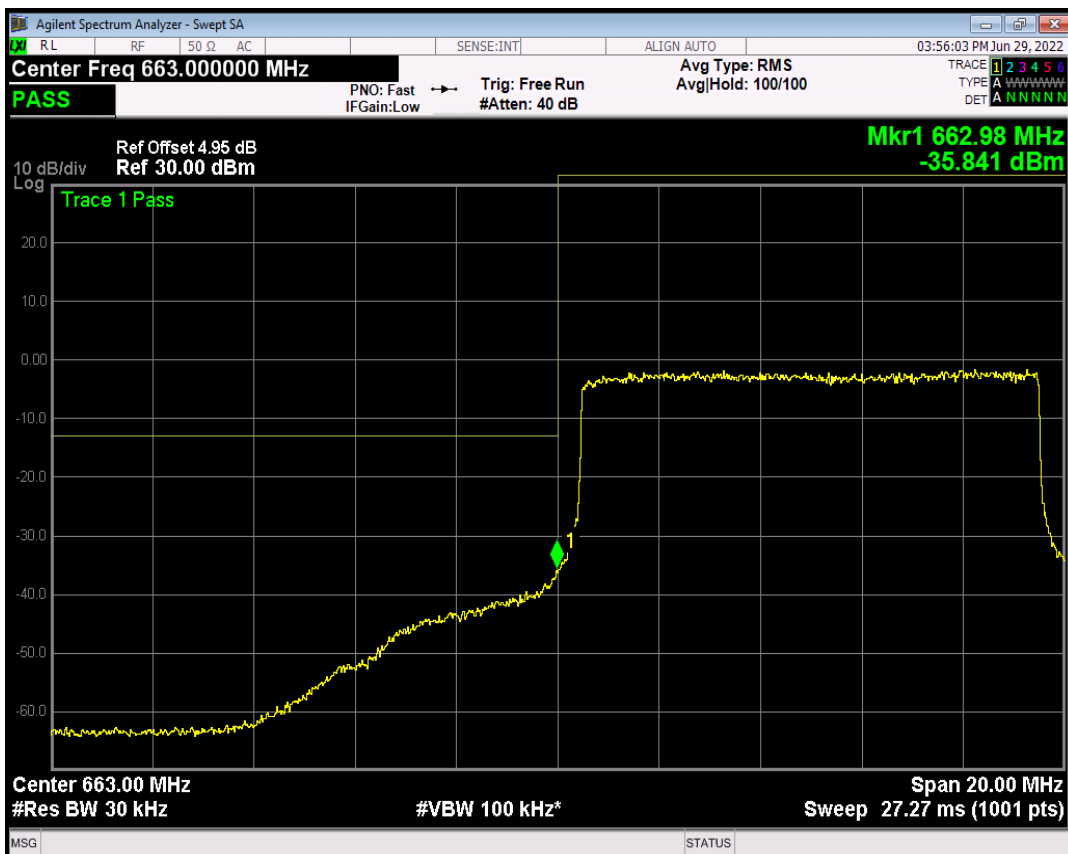




Band71 QAM16 BW=5MHz Channel=133447 RB Size=25 Position=#0

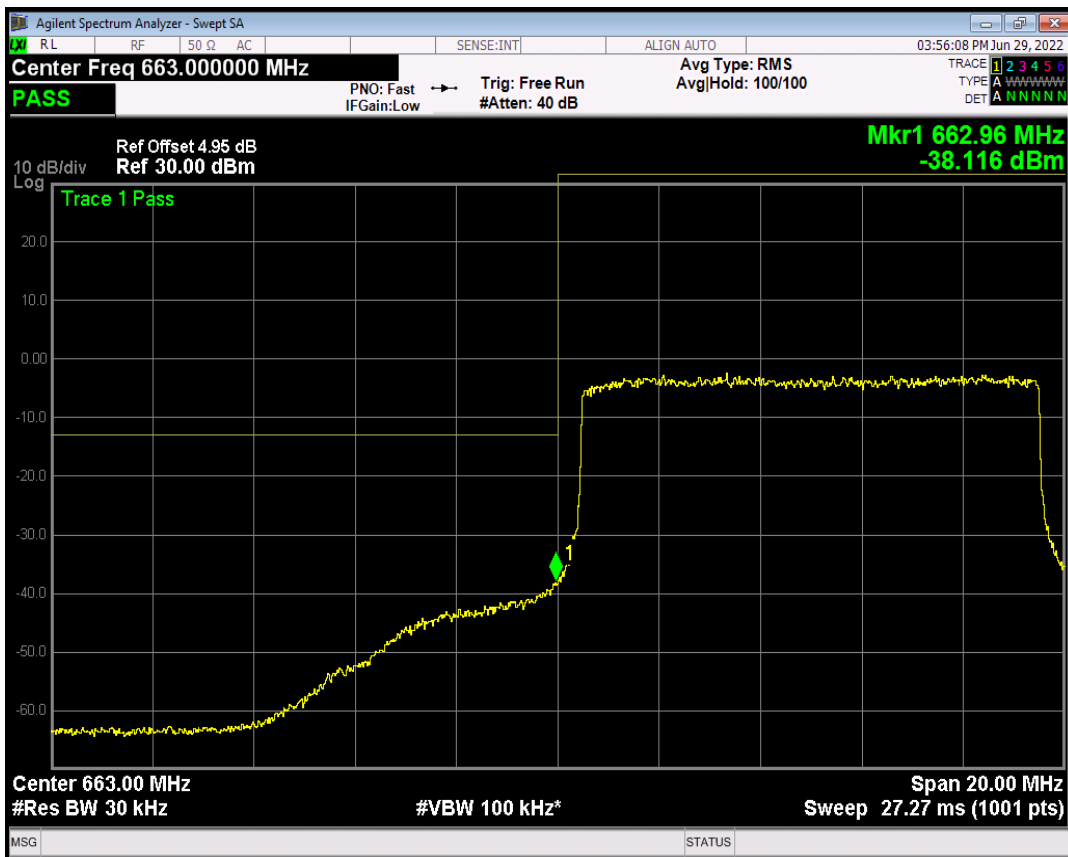


Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0





Band71 QAM16 BW=10MHz Channel=133172 RB Size=50 Position=#0



Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0

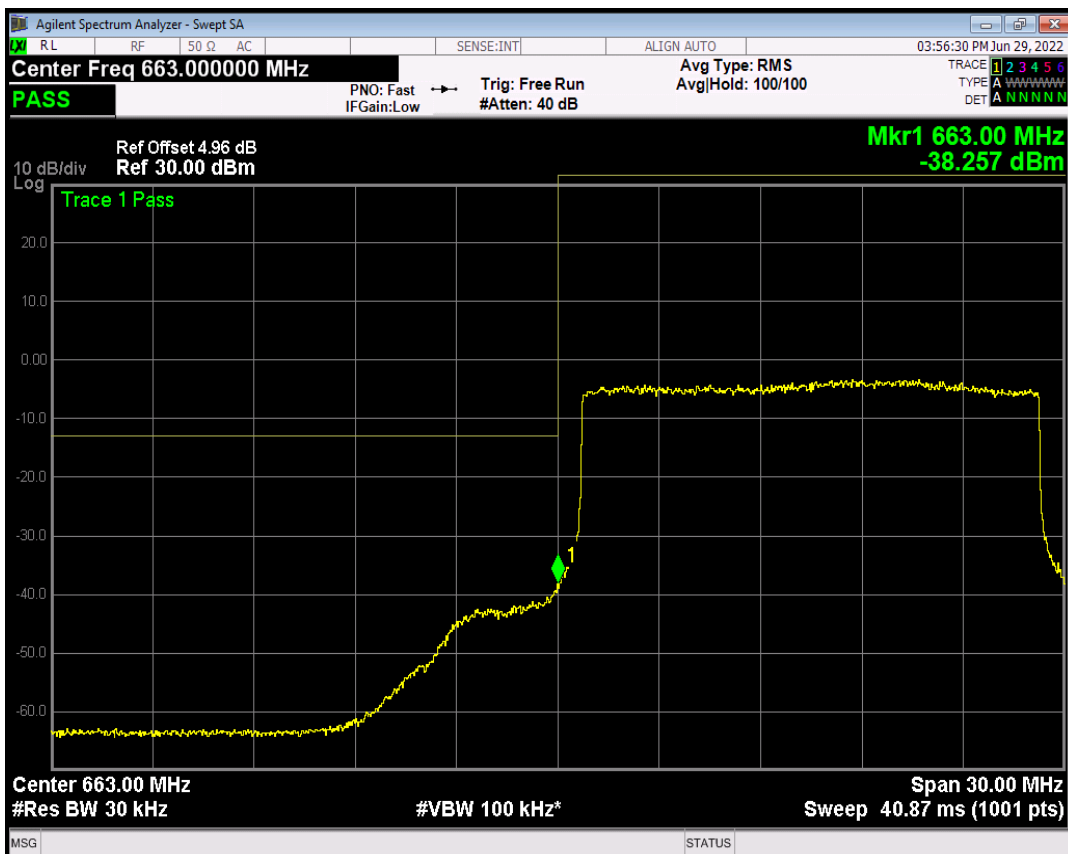




Band71 QAM16 BW=10MHz Channel=133422 RB Size=50 Position=#0

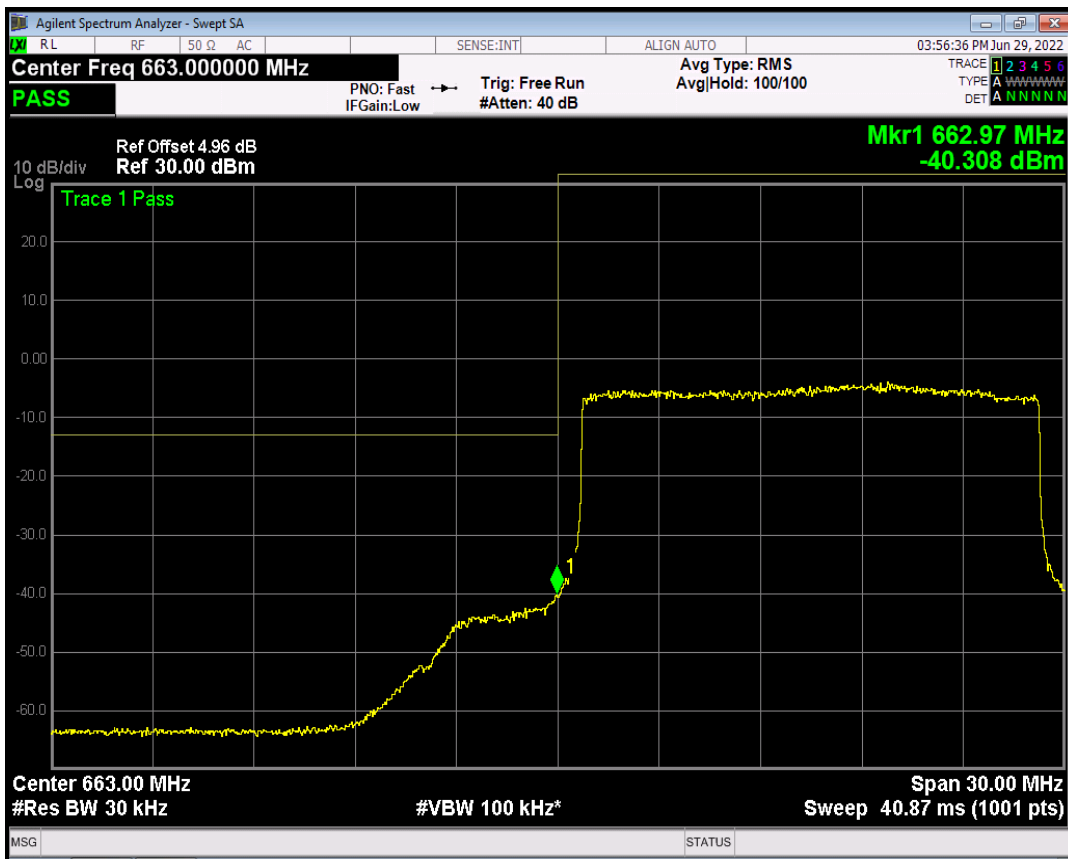


Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0





Band71 QAM16 BW=15MHz Channel=133197 RB Size=75 Position=#0



Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0

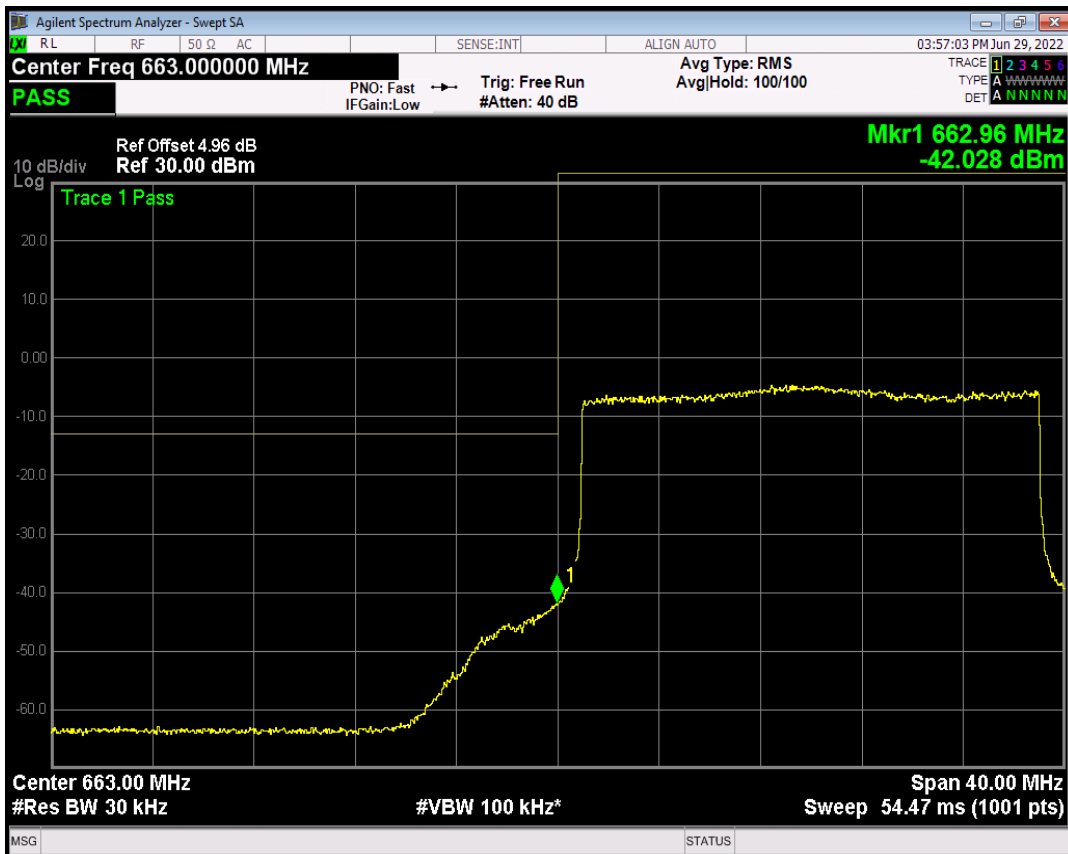




Band71 QAM16 BW=15MHz Channel=133397 RB Size=75 Position=#0

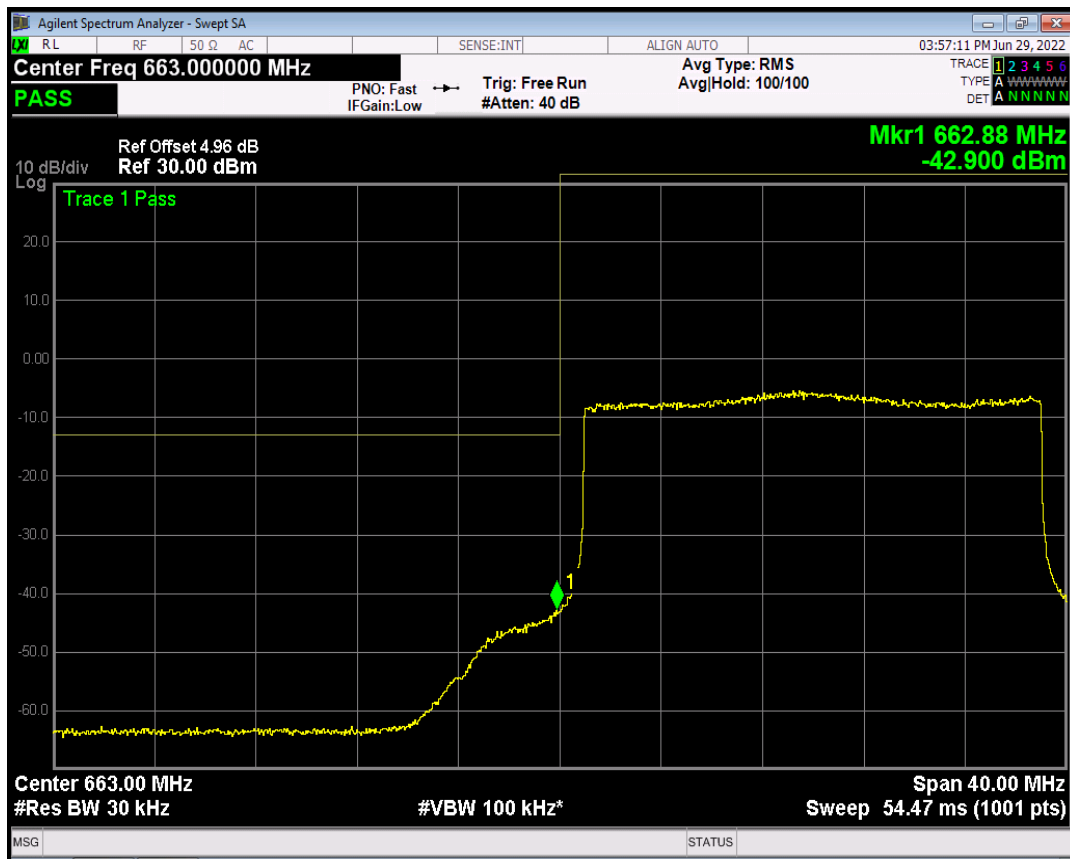


Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0

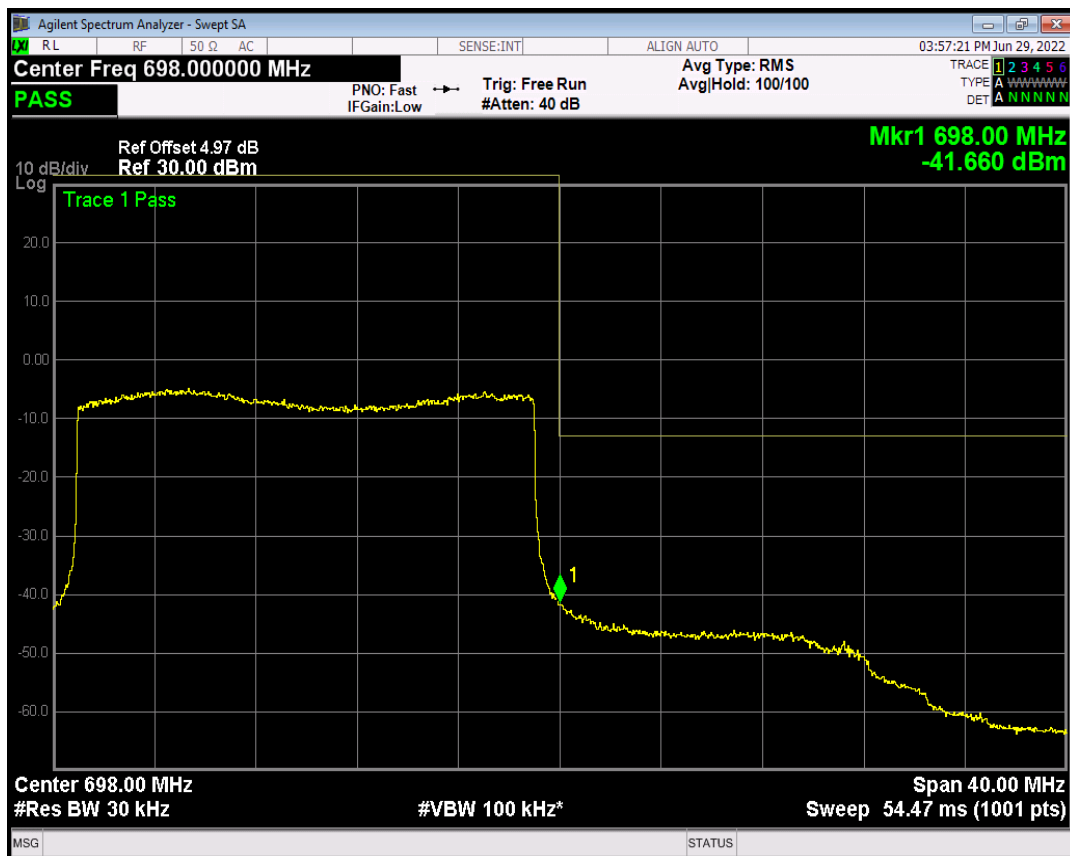




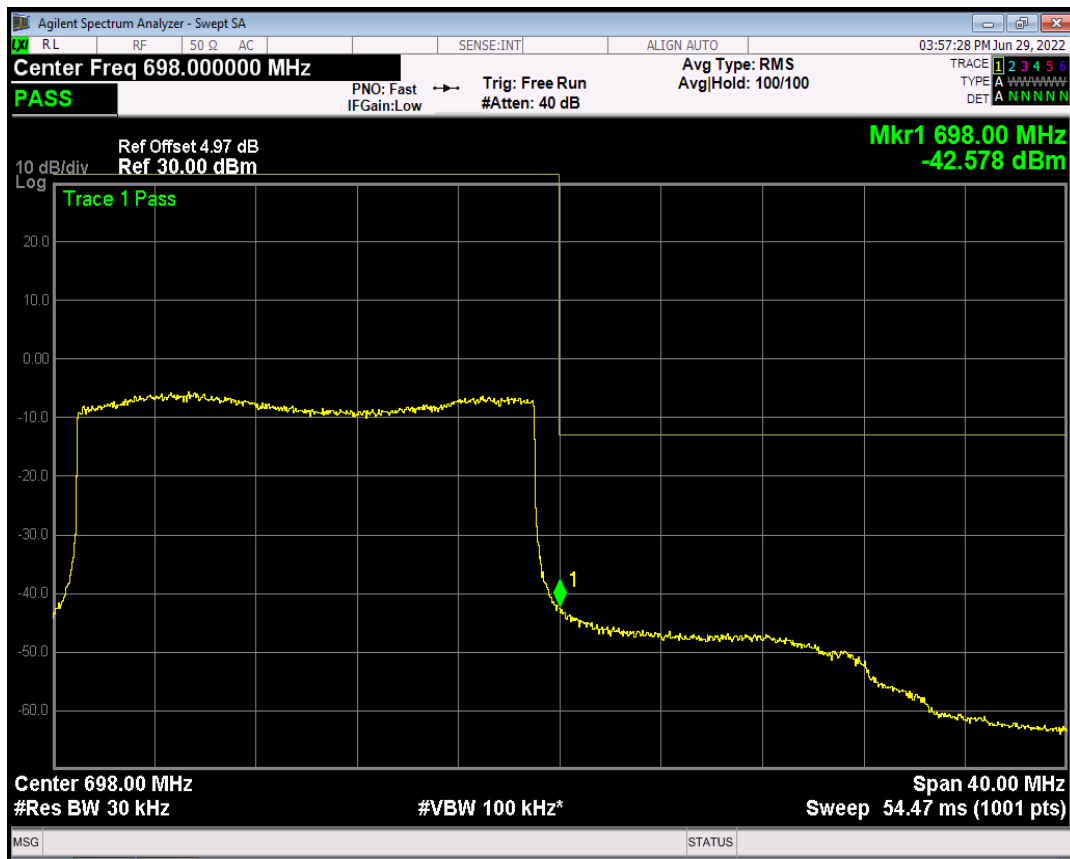
Band71 QAM16 BW=20MHz Channel=133222 RB Size=100 Position=#0



Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0



Band71 QAM16 BW=20MHz Channel=133372 RB Size=100 Position=#0

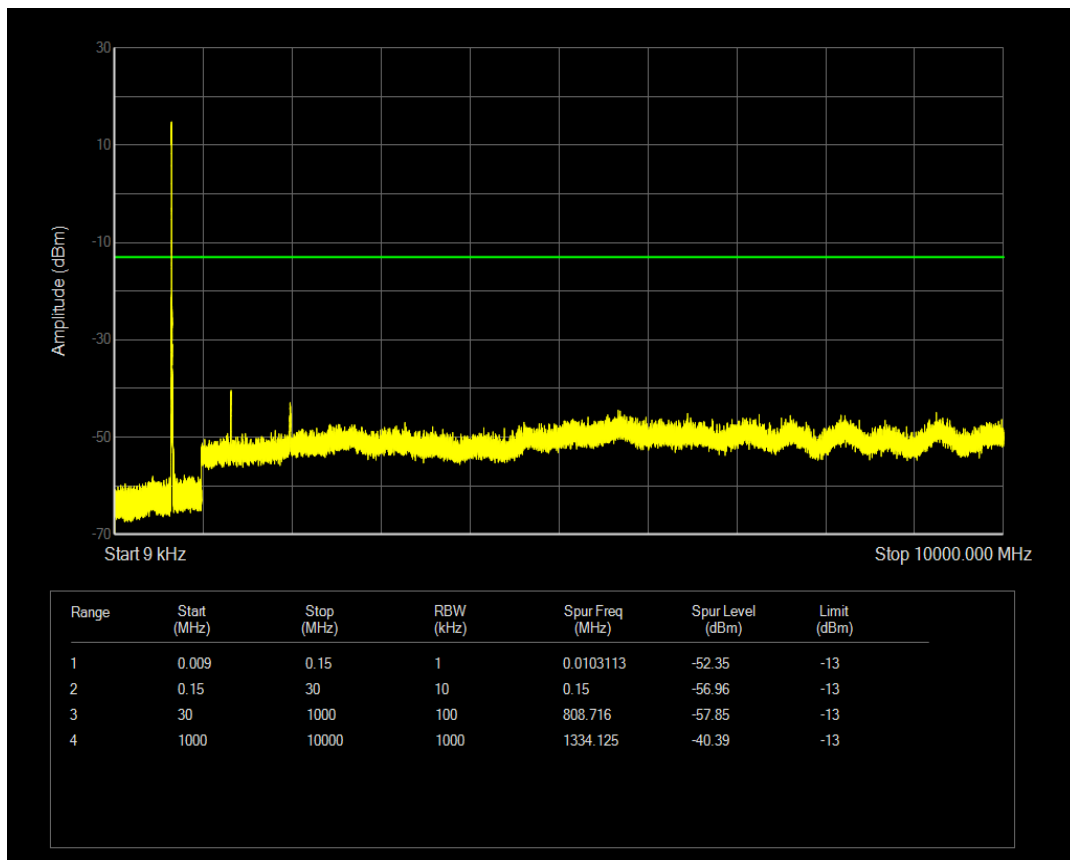


Appendix 6. Out-of-band emissions

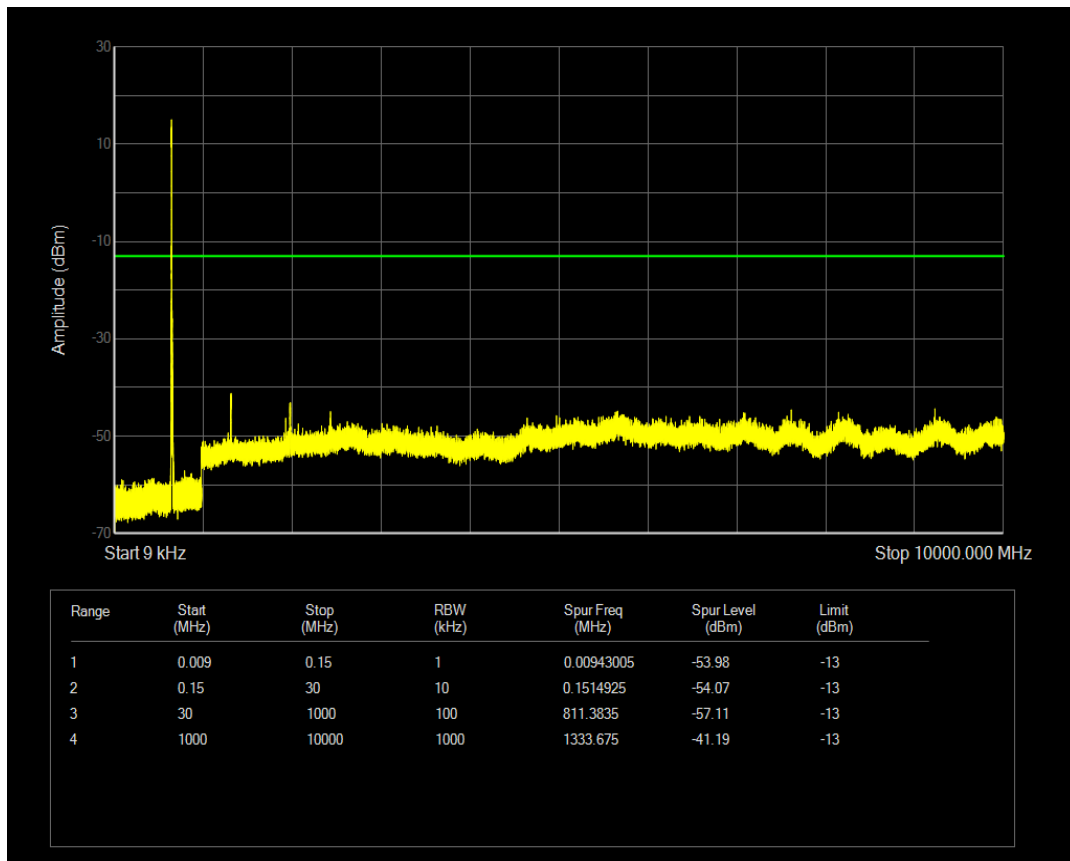
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band71	5	133147	25	#0	QPSK	1334.13	-40.39	-13	PASS
Band71	5	133147	25	#0	QAM16	1333.68	-41.19	-13	PASS
Band71	5	133297	25	#0	QPSK	2046.03	-42.06	-13	PASS
Band71	5	133297	25	#0	QAM16	1363.15	-40.57	-13	PASS
Band71	5	133447	25	#0	QPSK	1390.83	-41.96	-13	PASS
Band71	5	133447	25	#0	QAM16	2088.10	-41.96	-13	PASS
Band71	10	133172	50	#0	QPSK	1343.35	-40.98	-13	PASS
Band71	10	133172	50	#0	QAM16	1336.83	-42.16	-13	PASS
Band71	10	133297	50	#0	QPSK	5708.35	-43.96	-13	PASS
Band71	10	133297	50	#0	QAM16	2445.18	-42.52	-13	PASS
Band71	10	133422	50	#0	QPSK	2088.10	-43.99	-13	PASS
Band71	10	133422	50	#0	QAM16	2086.98	-43.89	-13	PASS
Band71	15	133197	75	#0	QPSK	1338.63	-42.65	-13	PASS
Band71	15	133197	75	#0	QAM16	1344.93	-42.65	-13	PASS
Band71	15	133297	75	#0	QPSK	1364.50	-43.20	-13	PASS
Band71	15	133297	75	#0	QAM16	2034.10	-43.82	-13	PASS

Band71	15	133397	75	#0	QPSK	5726.58	-43.99	-13	PASS
Band71	15	133397	75	#0	QAM16	1391.05	-43.59	-13	PASS
Band71	20	133222	100	#0	QPSK	1346.50	-43.79	-13	PASS
Band71	20	133222	100	#0	QAM16	2448.78	-41.18	-13	PASS
Band71	20	133297	100	#0	QPSK	1364.05	-44.70	-13	PASS
Band71	20	133297	100	#0	QAM16	1362.25	-43.53	-13	PASS
Band71	20	133372	100	#0	QPSK	1368.10	-44.19	-13	PASS
Band71	20	133372	100	#0	QAM16	8209.90	-44.35	-13	PASS

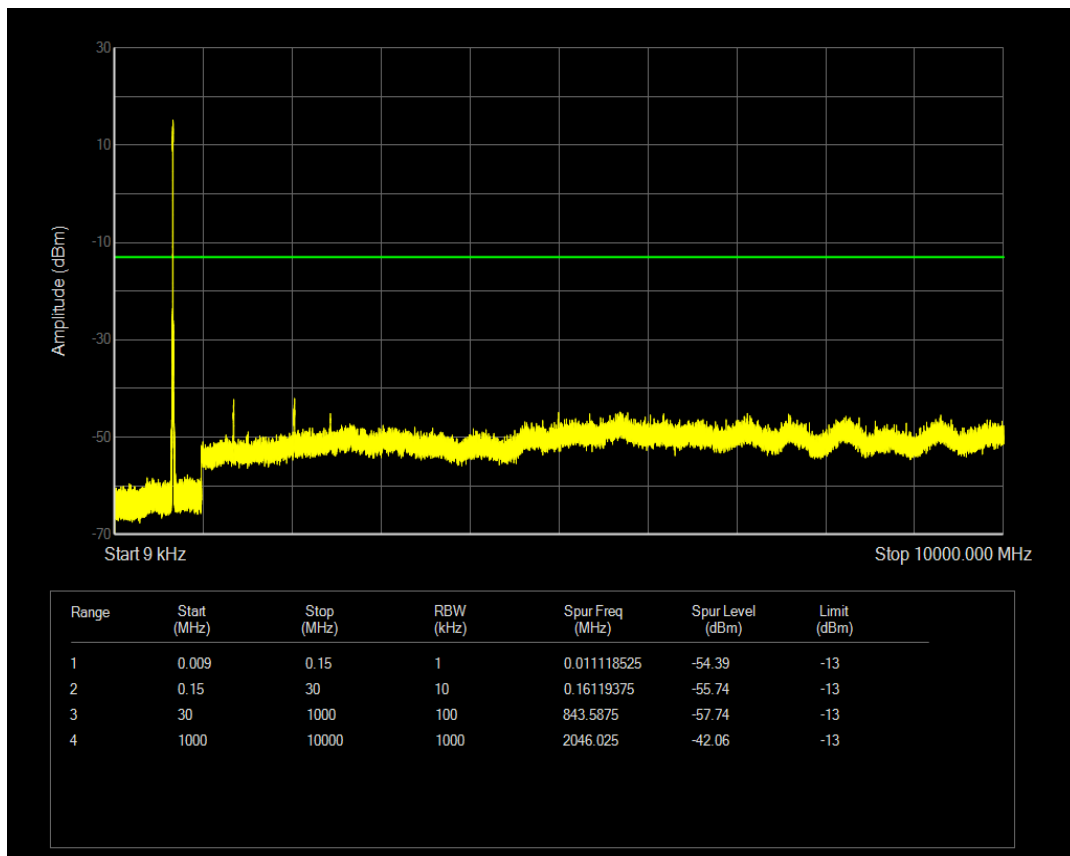
Band71 QPSK BW=5MHz Channel=133147 RB Size=25 Position=#0



Band71 QAM16 BW=5MHz Channel=133147 RB Size=25 Position=#0

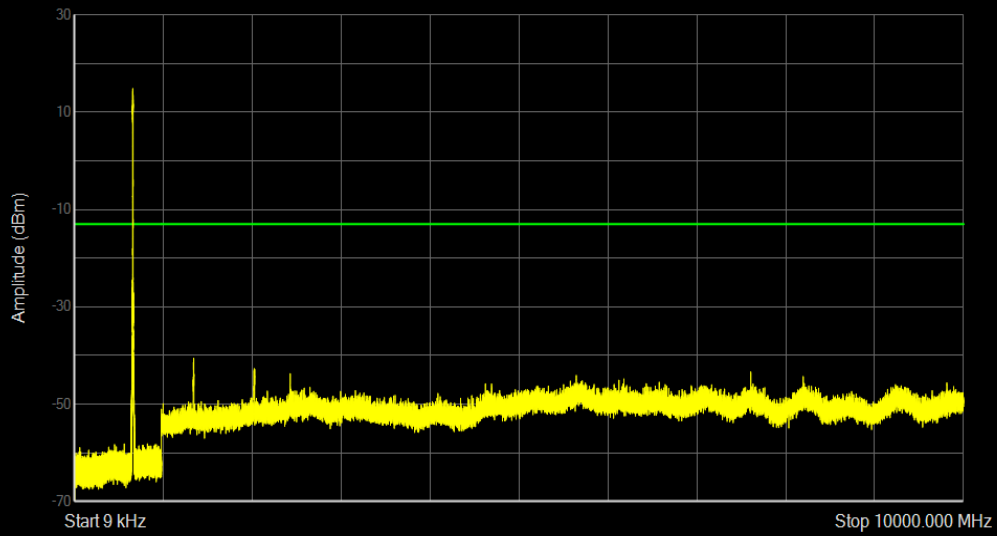


Band71 QPSK BW=5MHz Channel=133297 RB Size=25 Position=#0



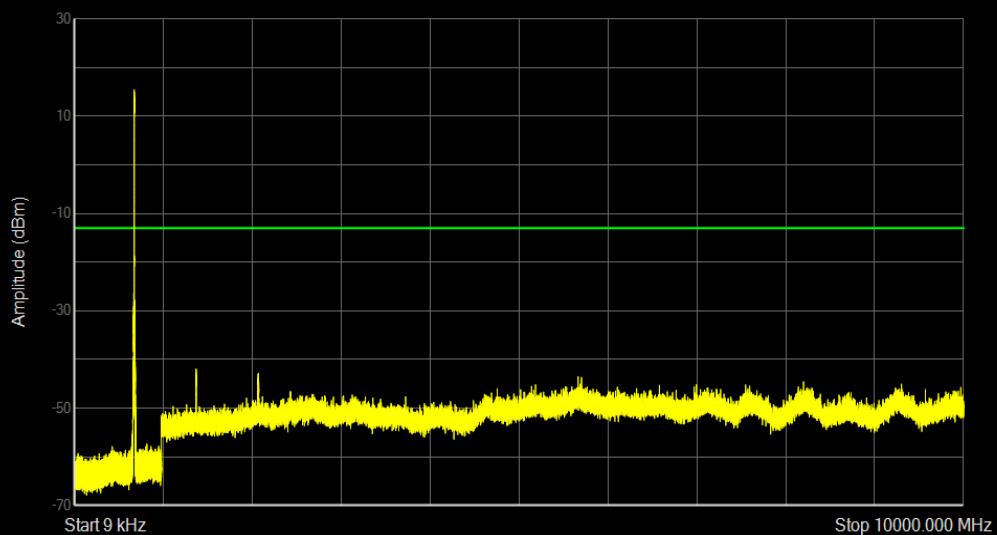


Band71 QAM16 BW=5MHz Channel=133297 RB Size=25 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090141	-54.69	-13
2	0.15	30	10	0.152985	-56.35	-13
3	30	1000	100	844.703	-58.15	-13
4	1000	10000	1000	1363.15	-40.57	-13

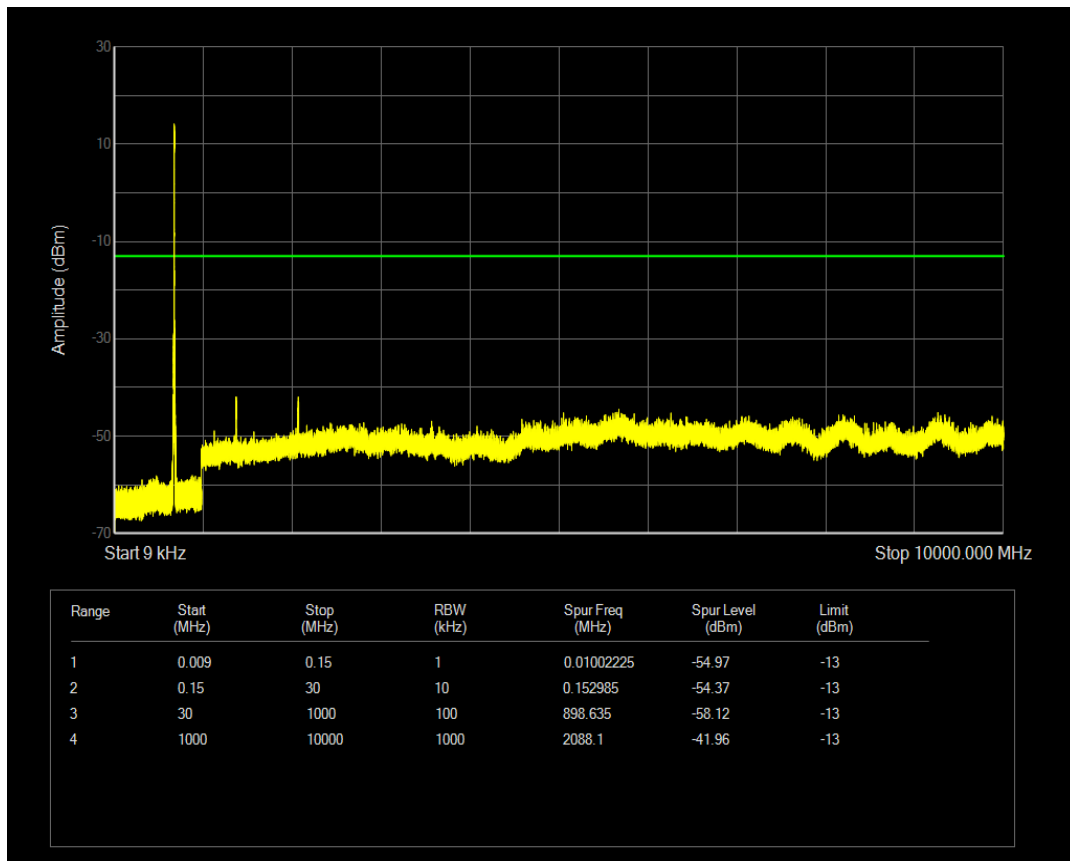
Band71 QPSK BW=5MHz Channel=133447 RB Size=25 Position=#0



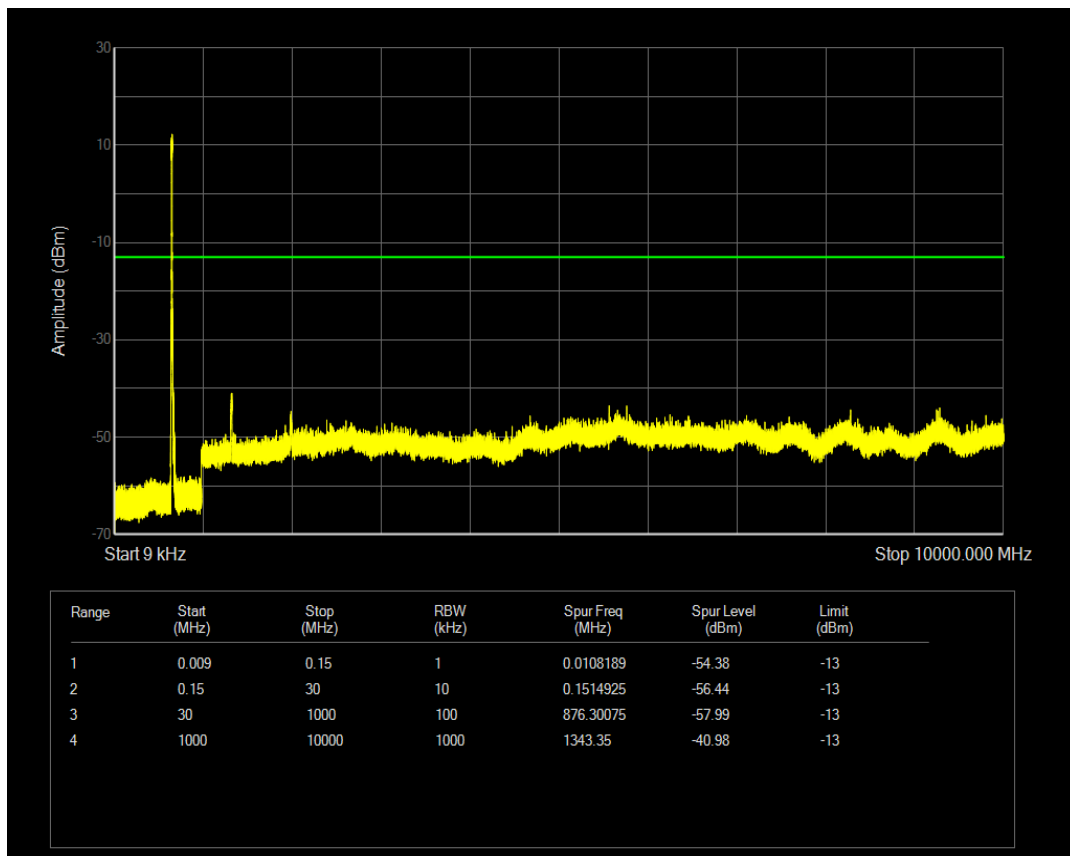
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012458025	-55.13	-13
2	0.15	30	10	0.1514925	-56.11	-13
3	30	1000	100	837.98575	-57.37	-13
4	1000	10000	1000	1390.825	-41.96	-13



Band71 QAM16 BW=5MHz Channel=133447 RB Size=25 Position=#0

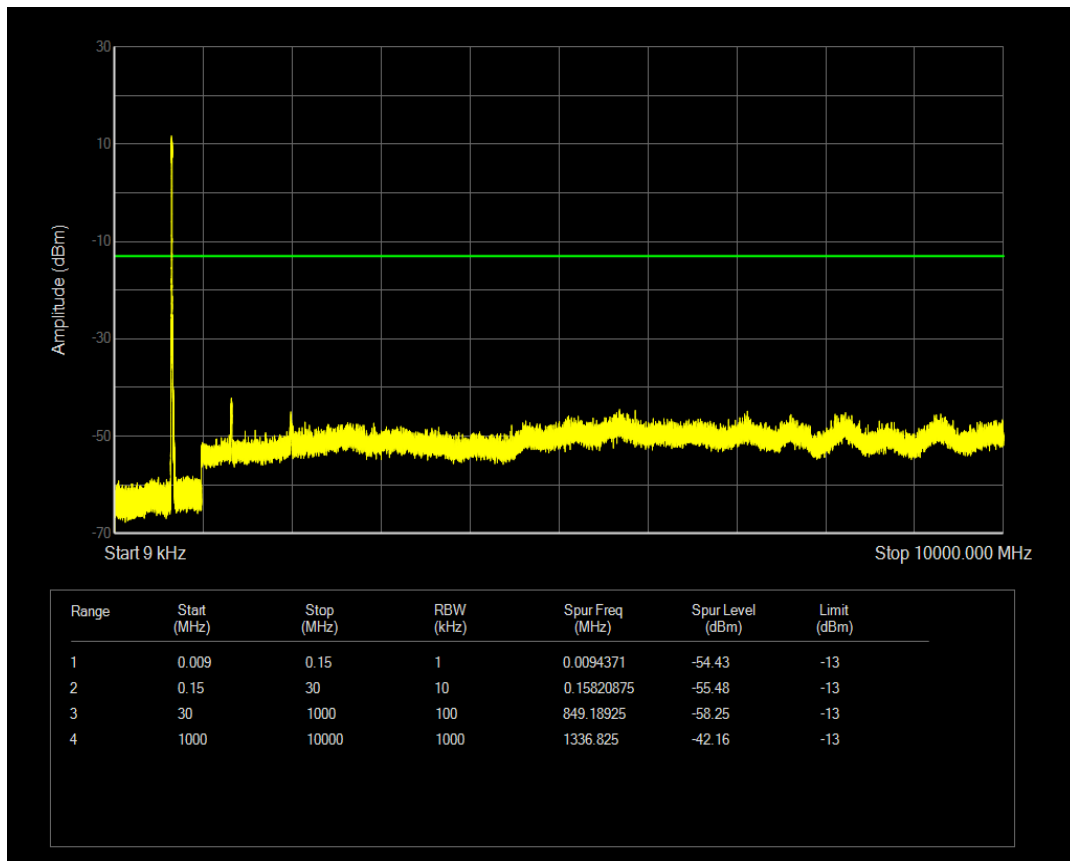


Band71 QPSK BW=10MHz Channel=133172 RB Size=50 Position=#0

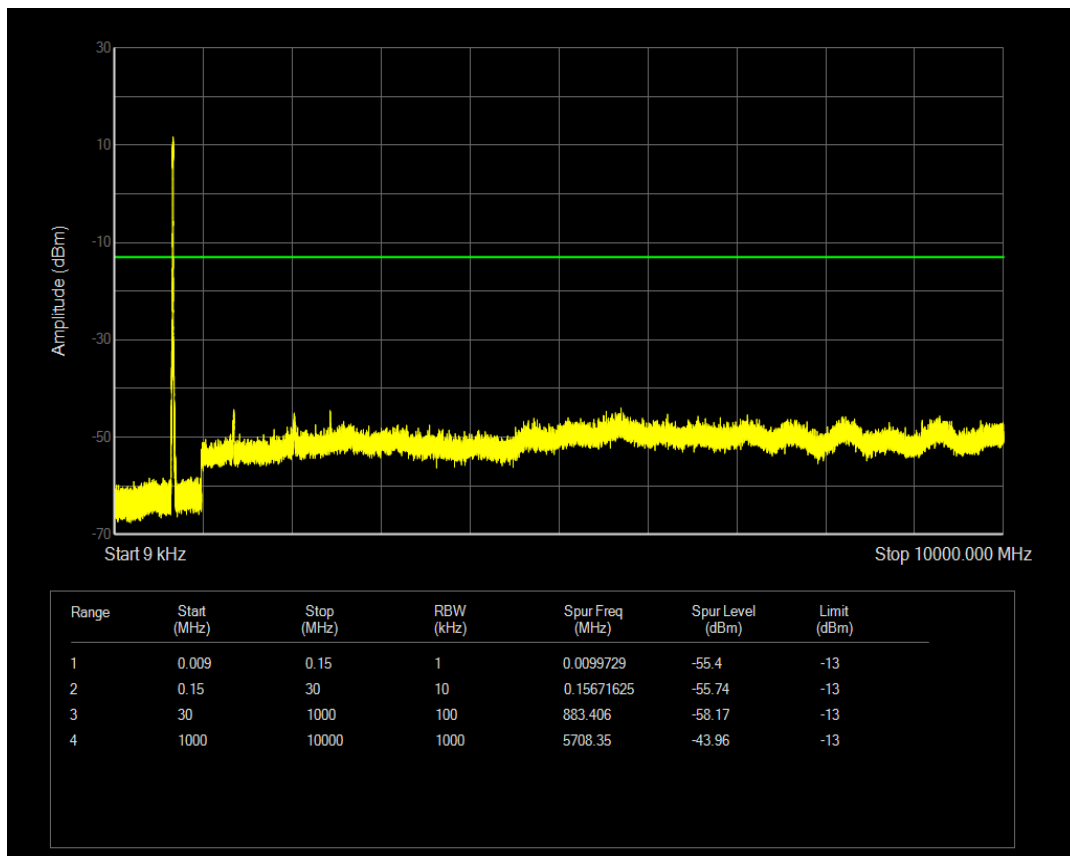




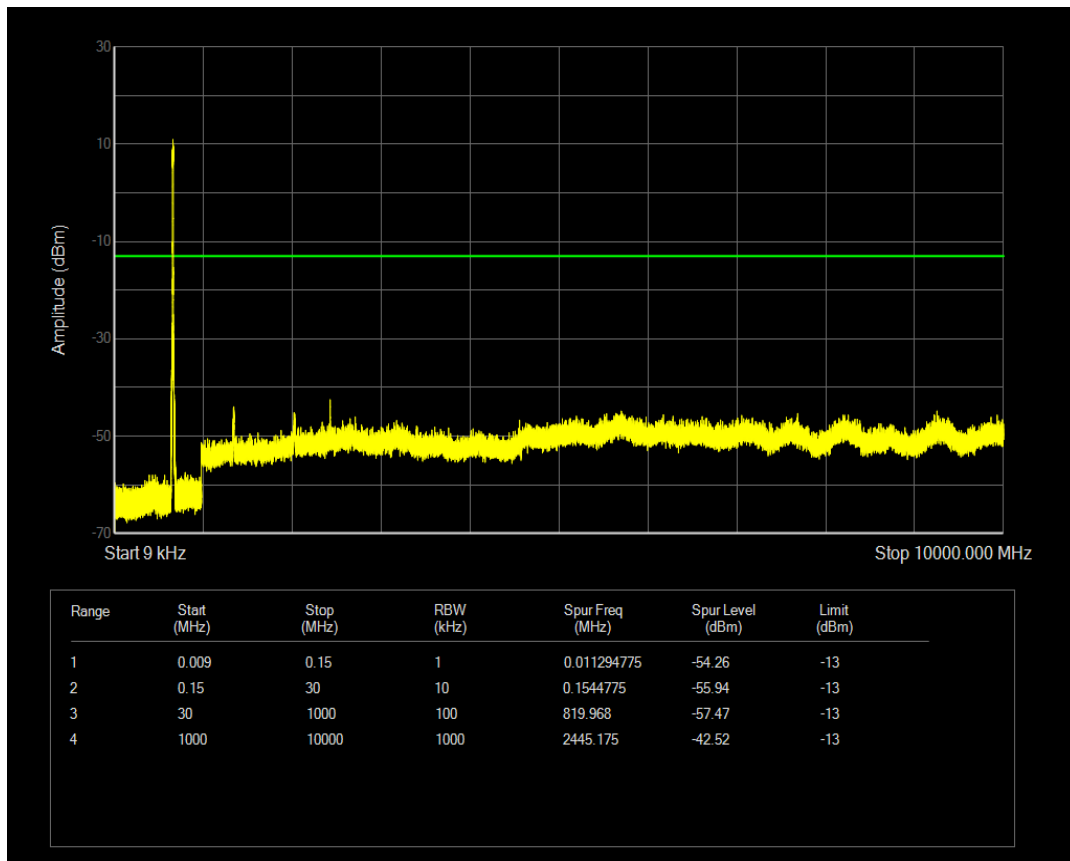
Band71 QAM16 BW=10MHz Channel=133172 RB Size=50 Position=#0



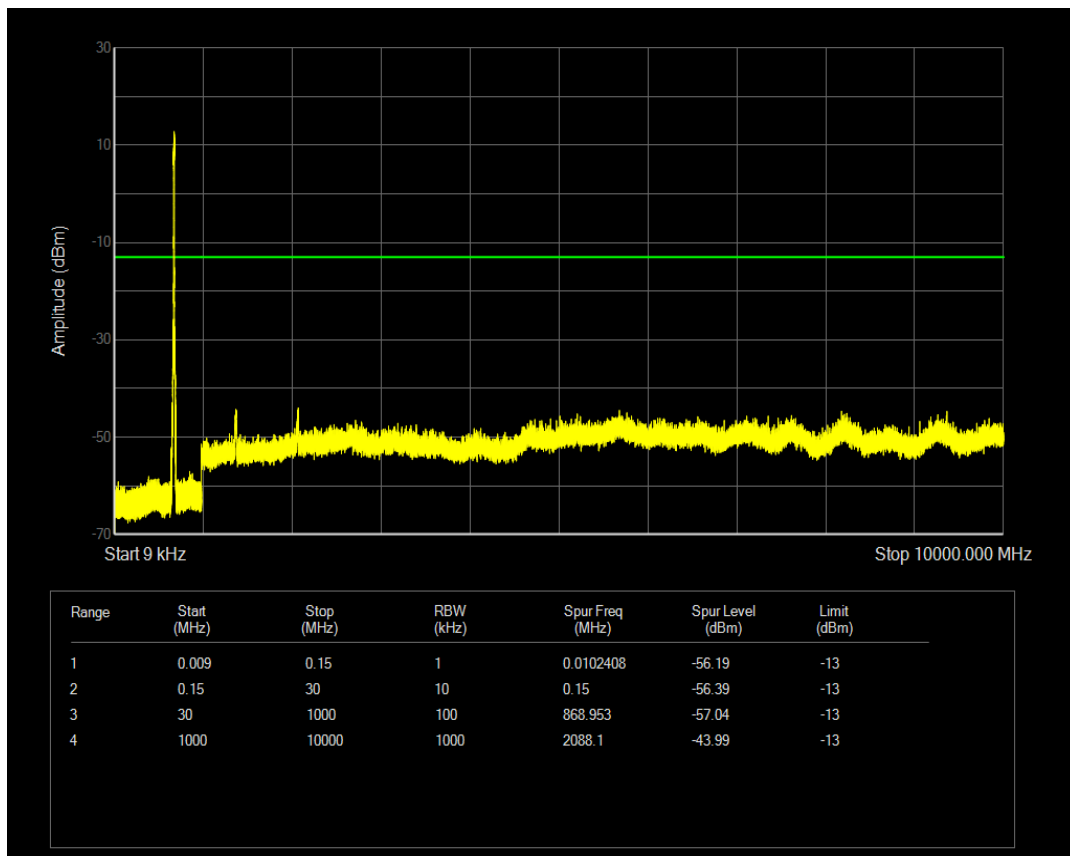
Band71 QPSK BW=10MHz Channel=133297 RB Size=50 Position=#0



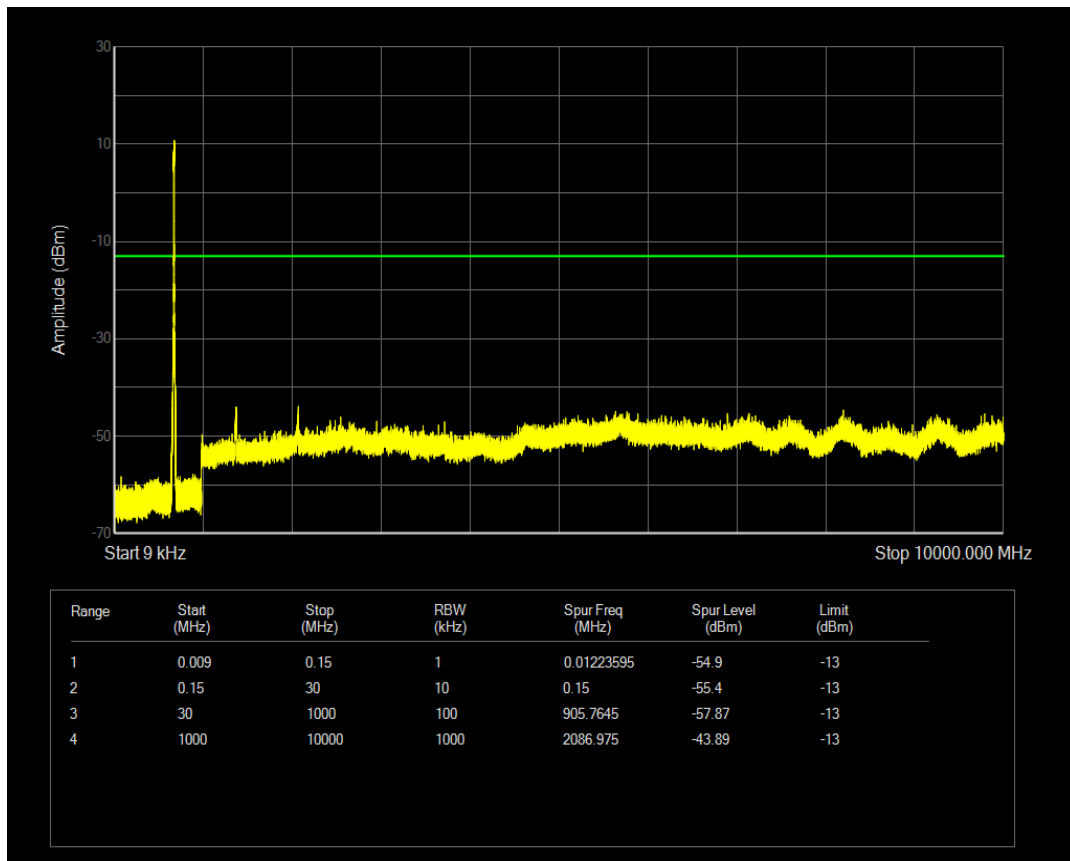
Band71 QAM16 BW=10MHz Channel=133297 RB Size=50 Position=#0



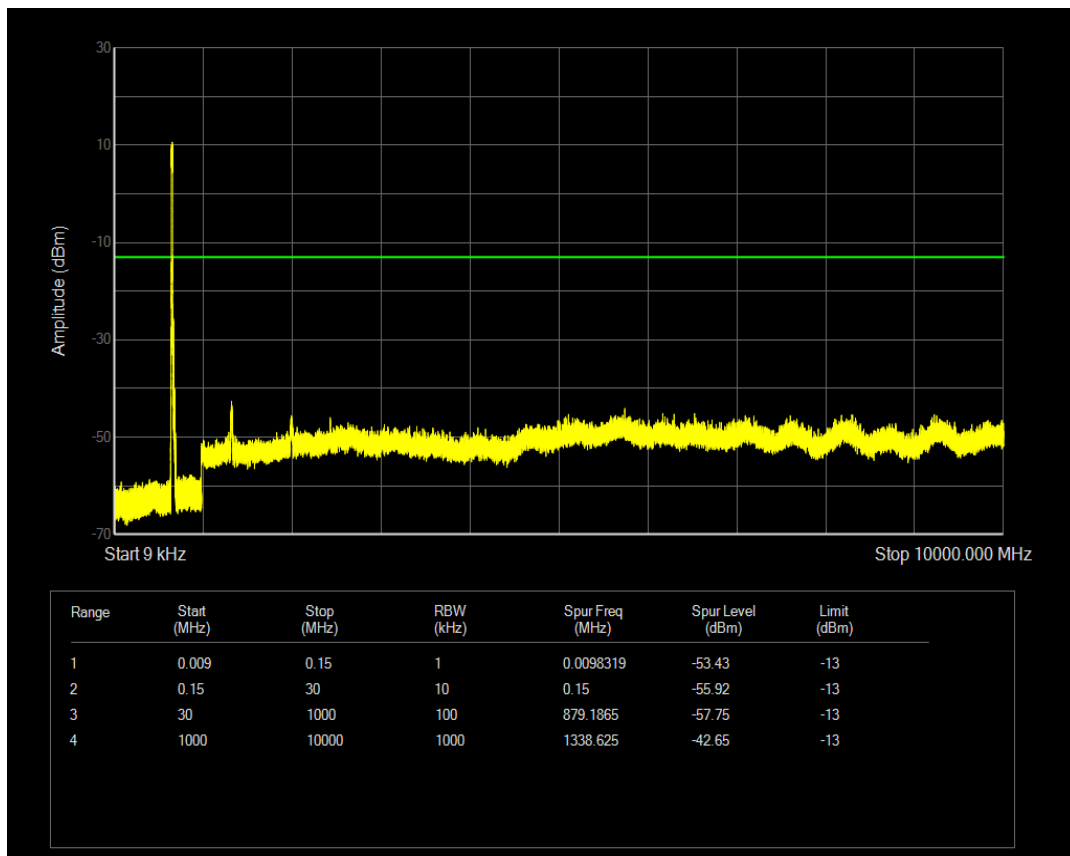
Band71 QPSK BW=10MHz Channel=133422 RB Size=50 Position=#0



Band71 QAM16 BW=10MHz Channel=133422 RB Size=50 Position=#0

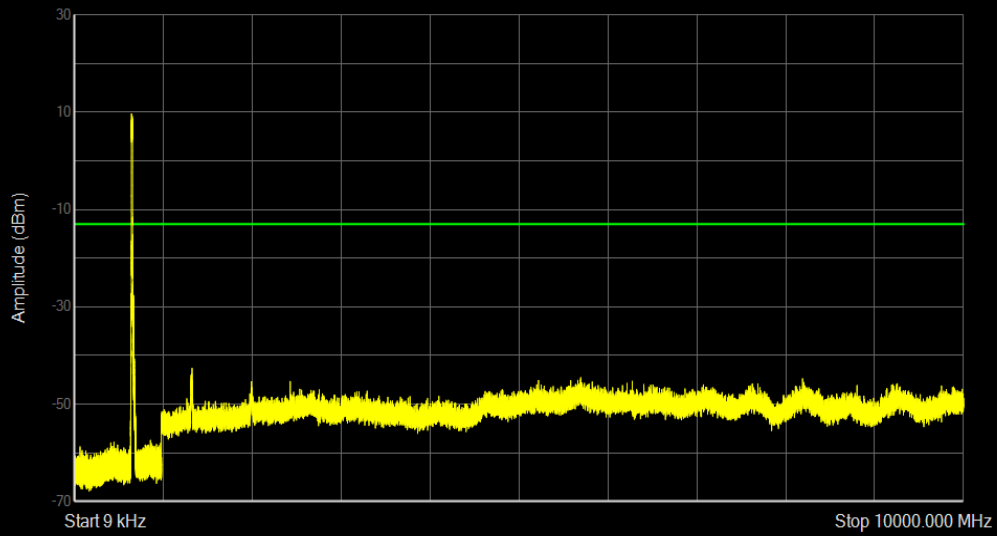


Band71 QPSK BW=15MHz Channel=133197 RB Size=75 Position=#0



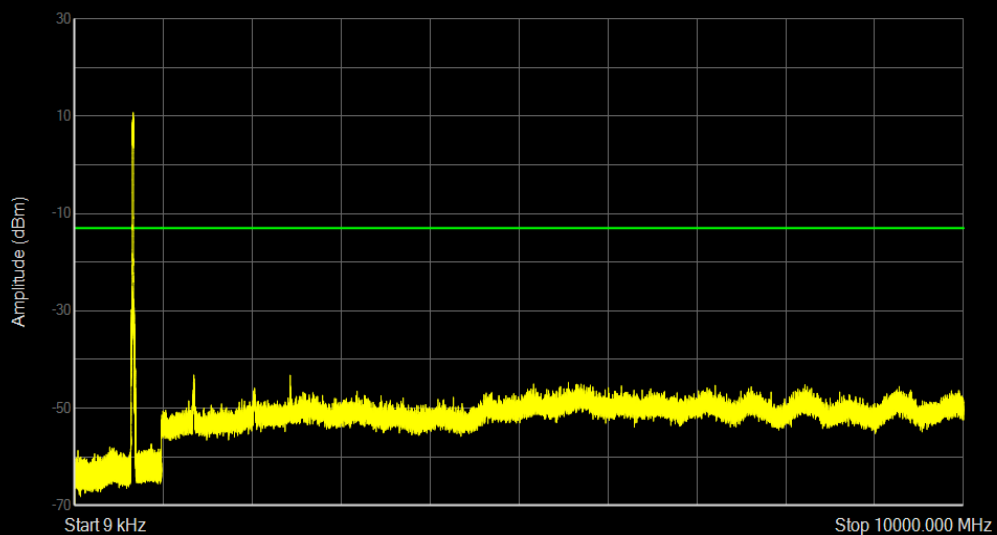


Band71 QAM16 BW=15MHz Channel=133197 RB Size=75 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010159725	-55.83	-13
2	0.15	30	10	0.15	-54.67	-13
3	30	1000	100	878.3135	-57.44	-13
4	1000	10000	1000	1344.925	-42.65	-13

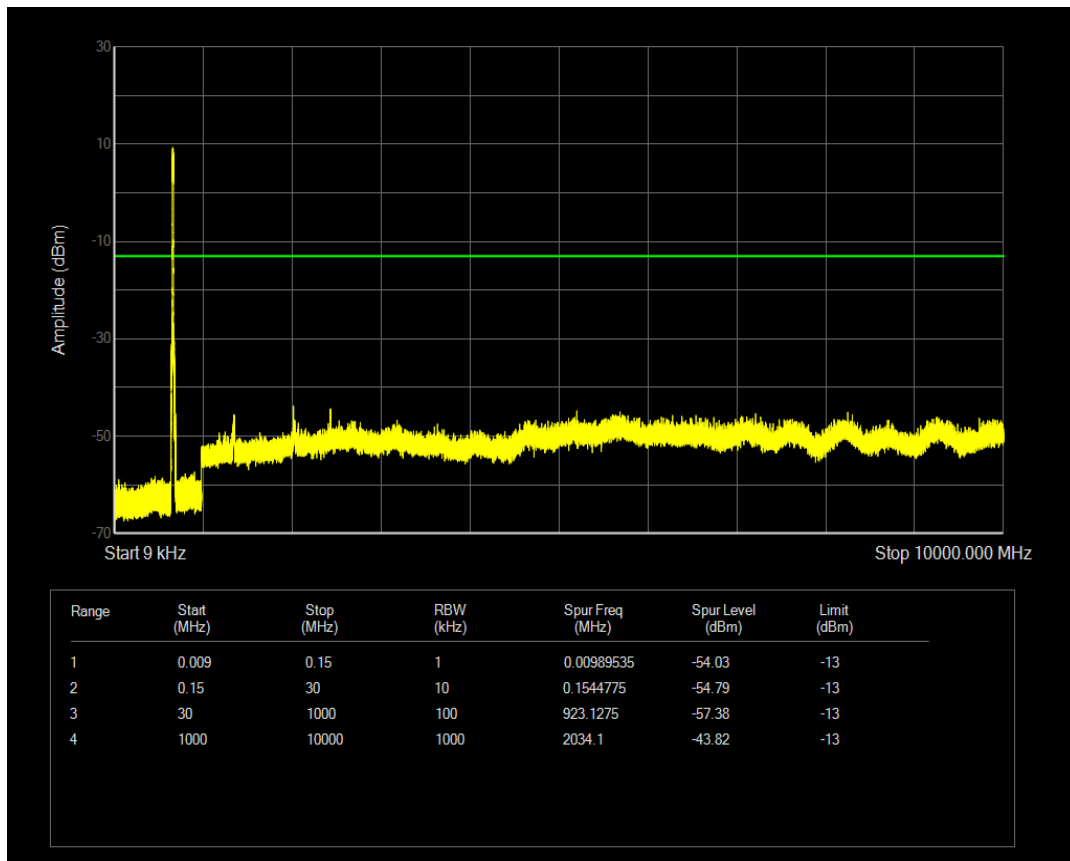
Band71 QPSK BW=15MHz Channel=133297 RB Size=75 Position=#0



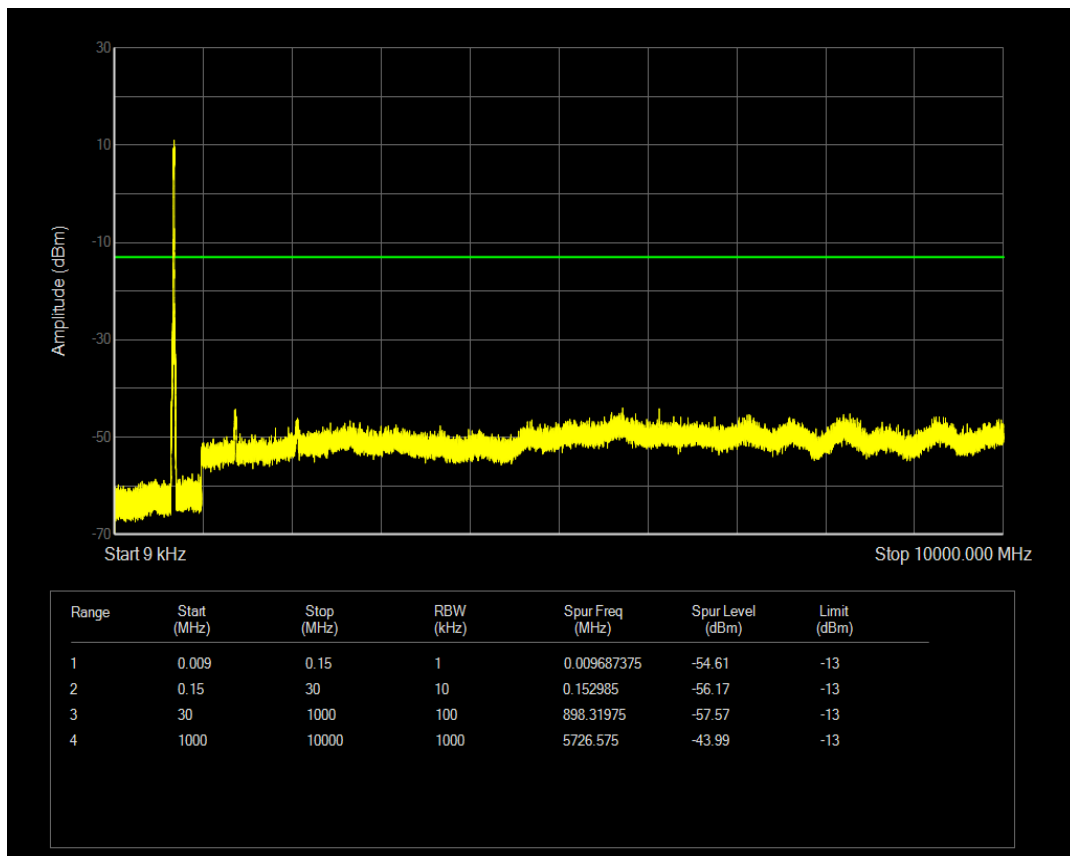
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009990525	-55.68	-13
2	0.15	30	10	0.17014875	-56.07	-13
3	30	1000	100	887.06775	-57.36	-13
4	1000	10000	1000	1364.5	-43.2	-13



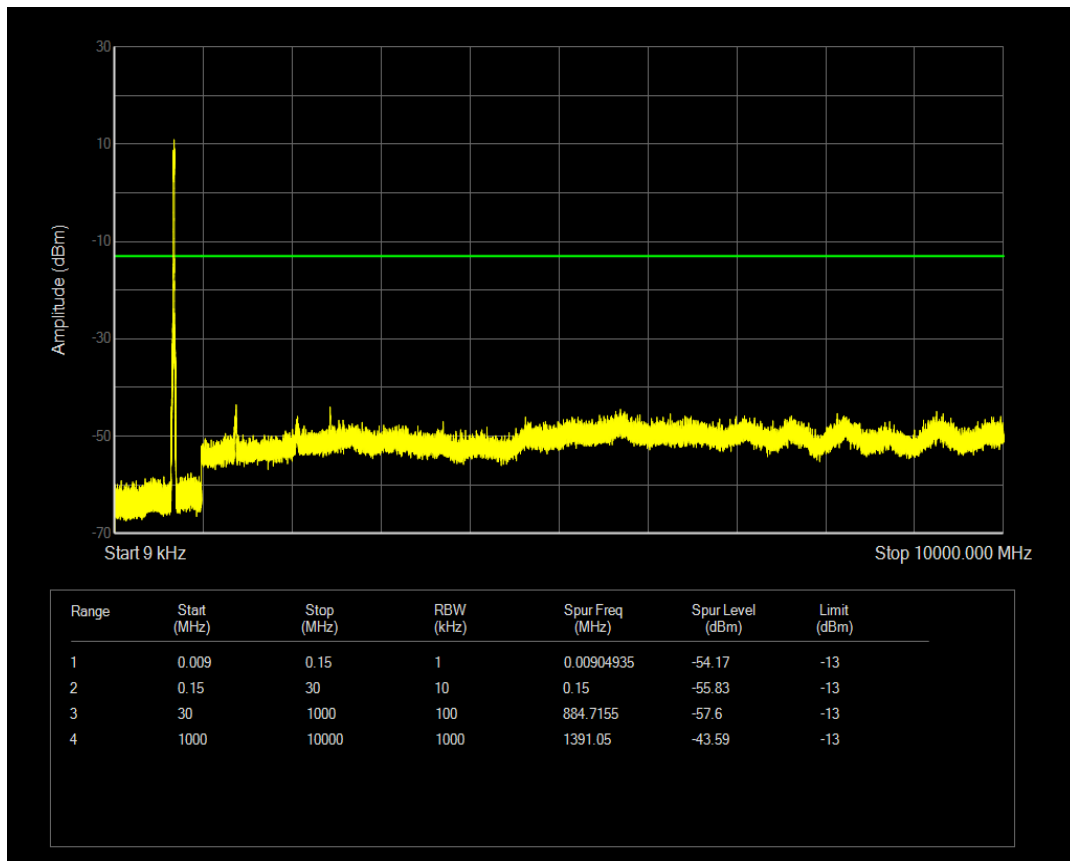
Band71 QAM16 BW=15MHz Channel=133297 RB Size=75 Position=#0



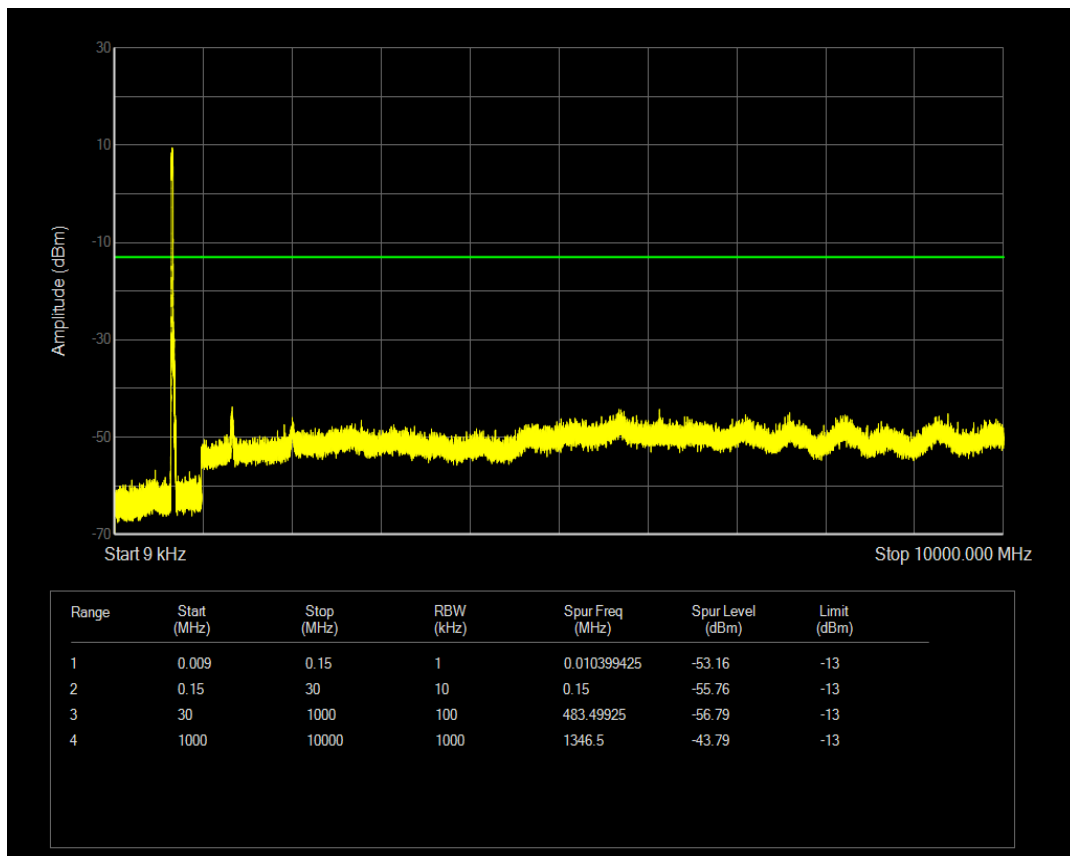
Band71 QPSK BW=15MHz Channel=133397 RB Size=75 Position=#0



Band71 QAM16 BW=15MHz Channel=133397 RB Size=75 Position=#0

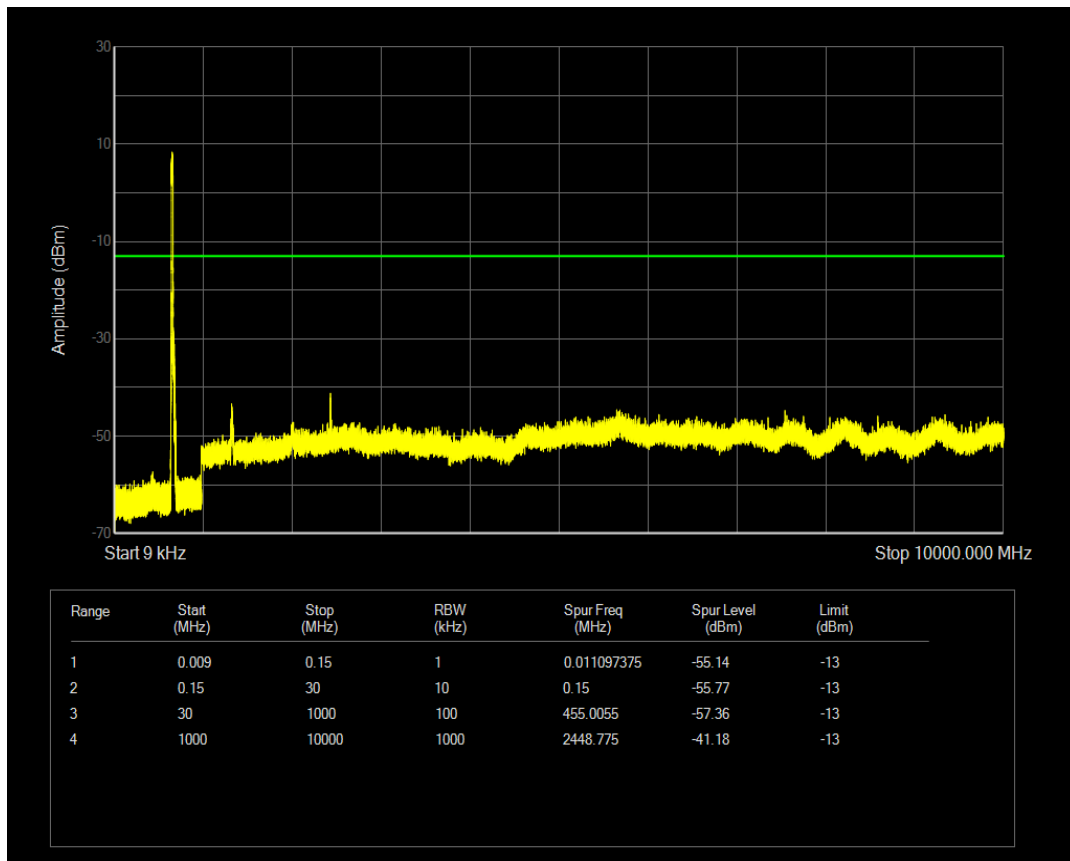


Band71 QPSK BW=20MHz Channel=133222 RB Size=100 Position=#0

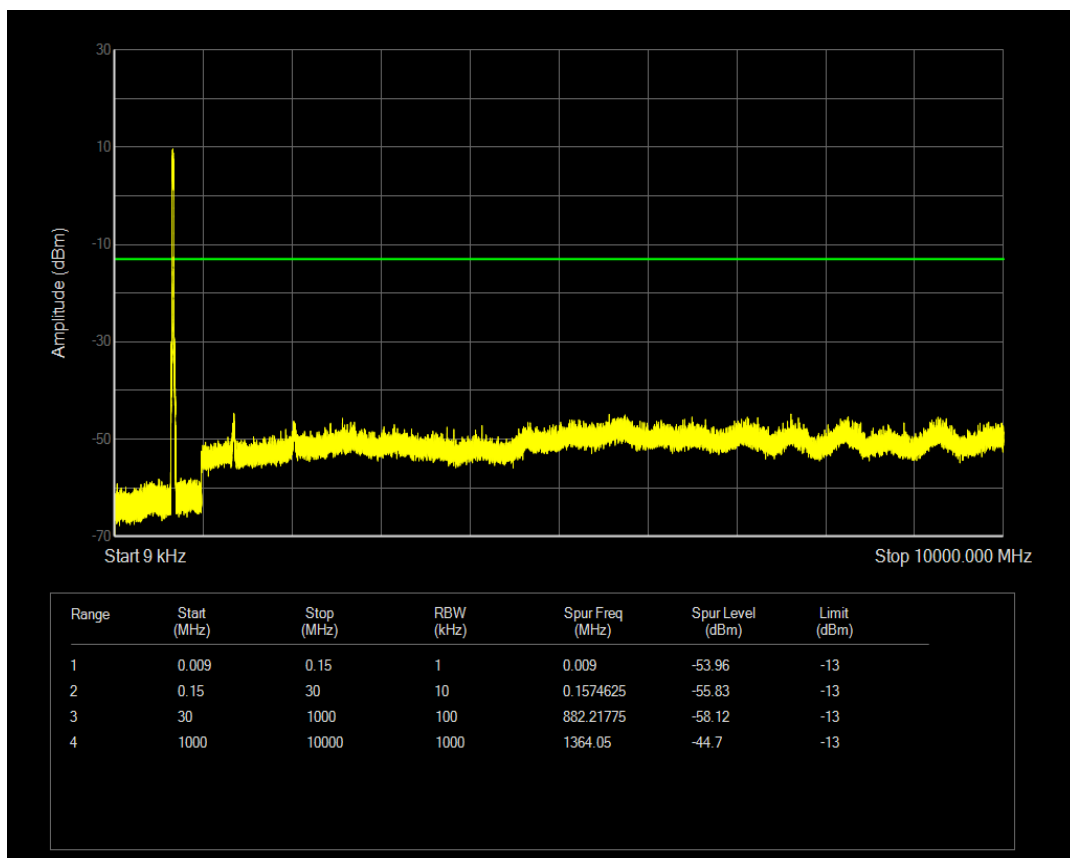




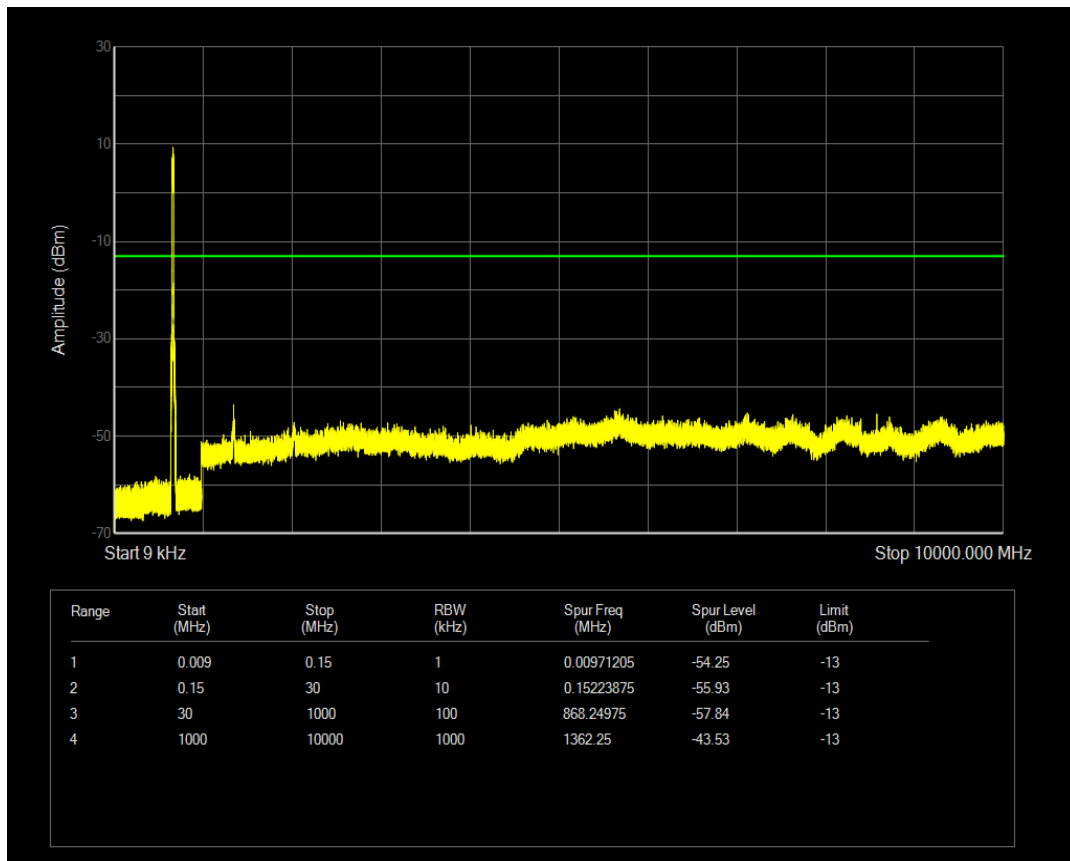
Band71 QAM16 BW=20MHz Channel=133222 RB Size=100 Position=#0



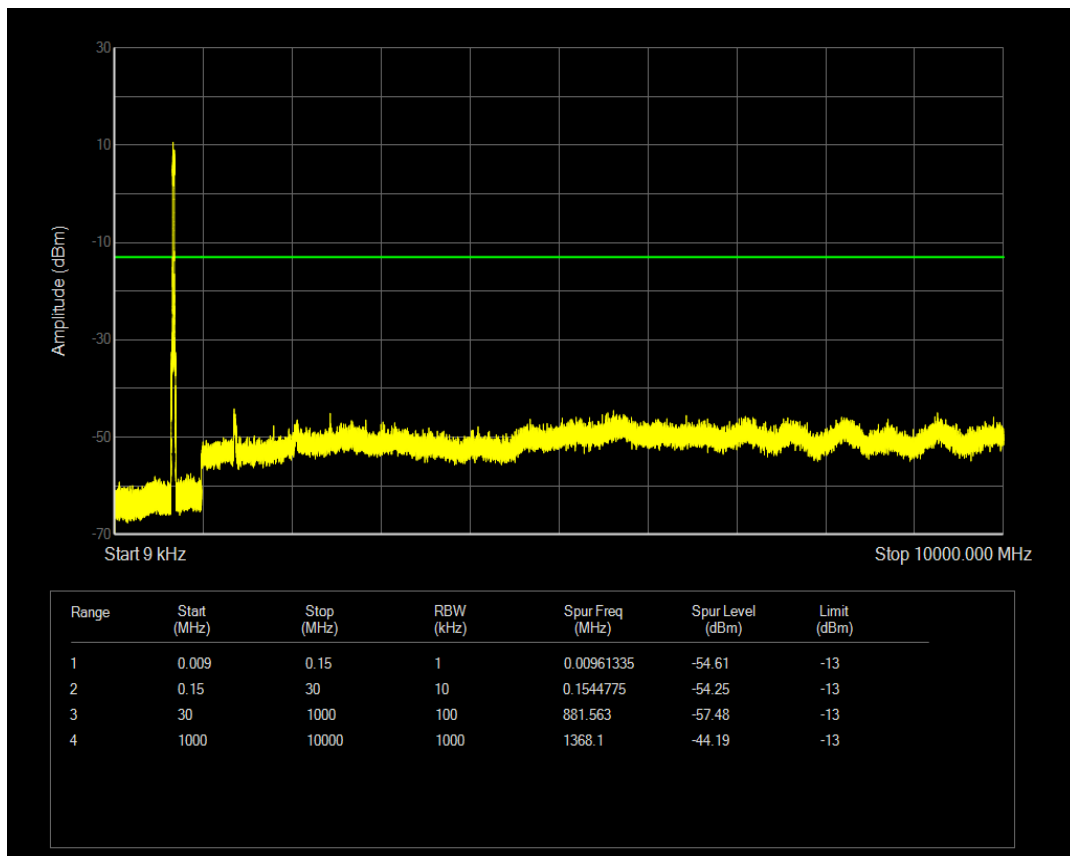
Band71 QPSK BW=20MHz Channel=133297 RB Size=100 Position=#0



Band71 QAM16 BW=20MHz Channel=133297 RB Size=100 Position=#0

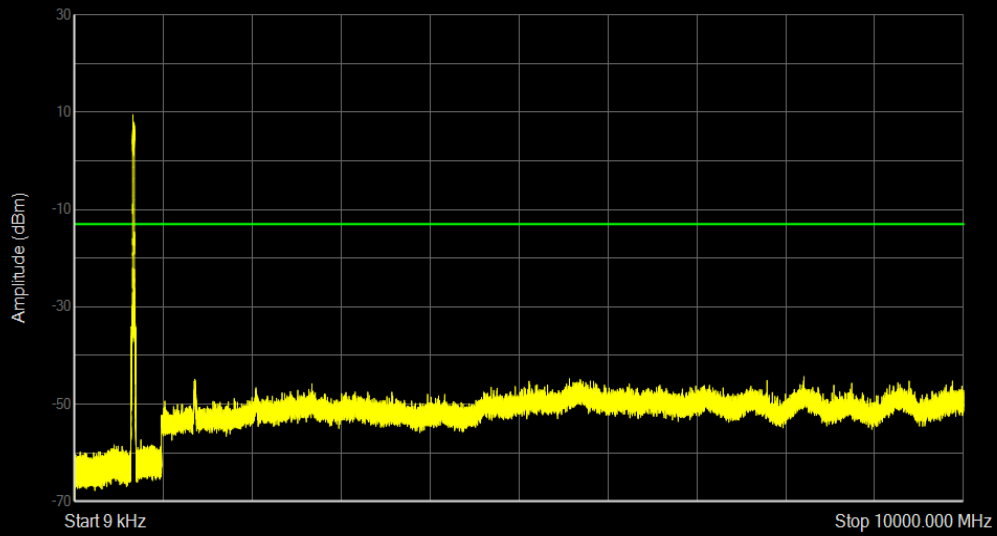


Band71 QPSK BW=20MHz Channel=133372 RB Size=100 Position=#0





Band71 QAM16 BW=20MHz Channel=133372 RB Size=100 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011689575	-54.92	-13
2	0.15	30	10	0.182835	-56.08	-13
3	30	1000	100	470.25875	-58.37	-13
4	1000	10000	1000	8209.9	-44.35	-13