

# Appendix for Band 4

Report No.: BCTC2312391622-3E

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Applicant: Telecell Mobile (H.K) Ltd.

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Product Name: LTE Bar Phone

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Test Model: FURY LTE T1

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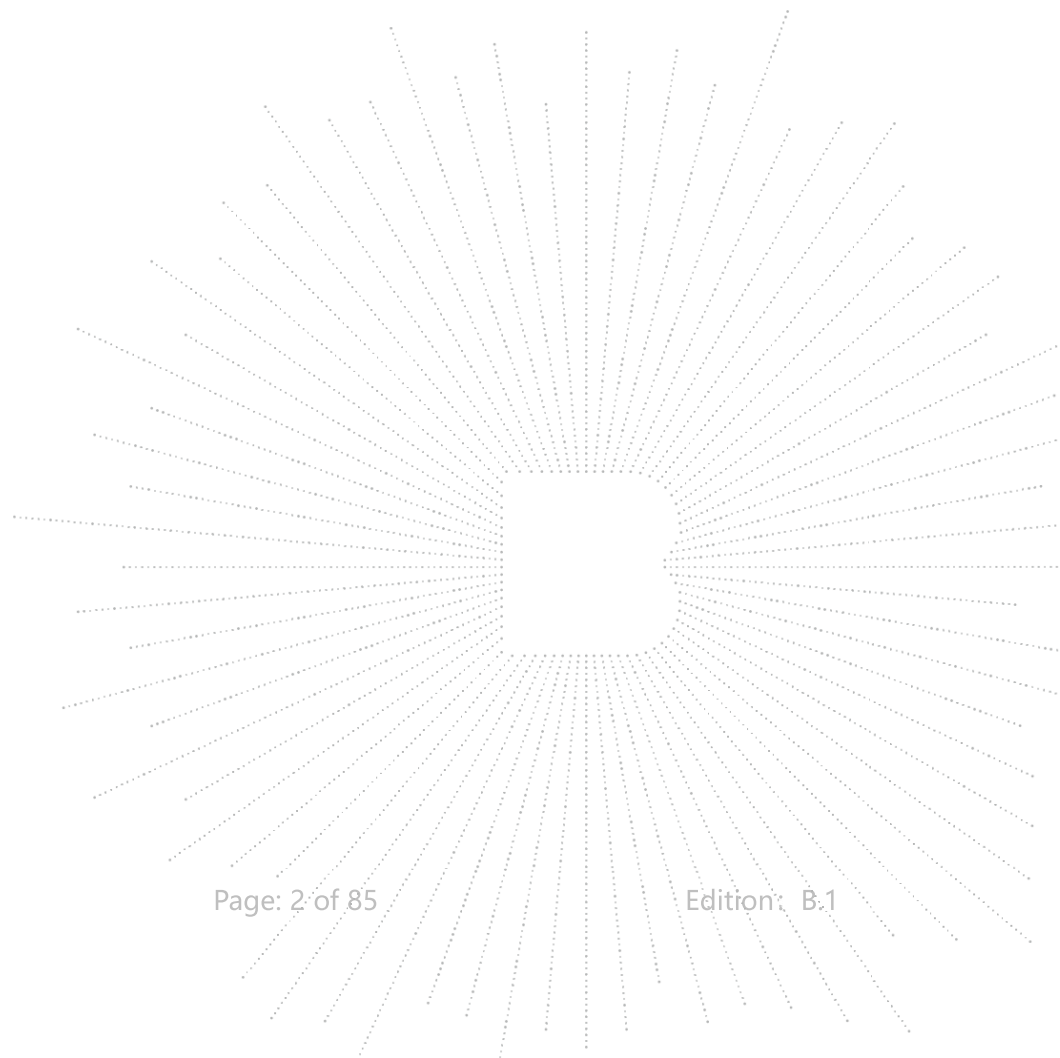
Tested Date: 2023-12-29 to 2024-01-11

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**Shenzhen BCTC Testing Co., Ltd.**

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

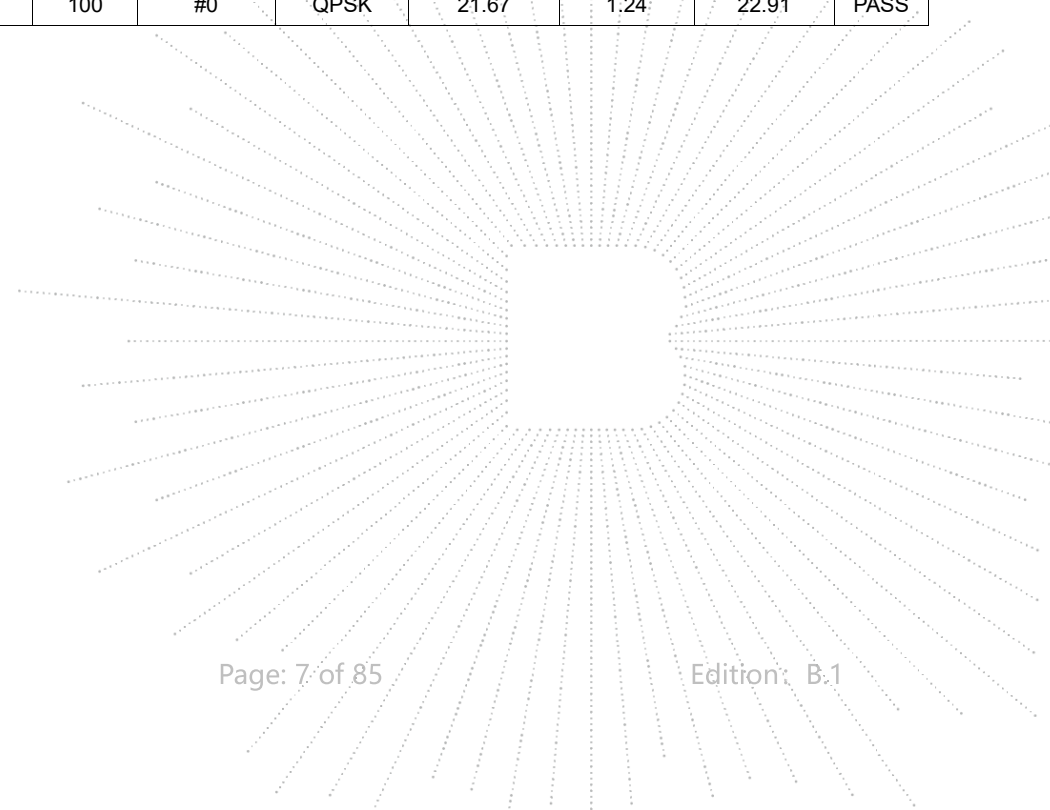
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.84	1.24	24.08	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.85	1.24	24.09	PASS
Band4	1.4	19957	1	#Max	QPSK	22.91	1.24	24.15	PASS
Band4	1.4	19957	3	#0	QPSK	22.84	1.24	24.08	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.80	1.24	24.04	PASS
Band4	1.4	19957	3	#Max	QPSK	22.81	1.24	24.05	PASS
Band4	1.4	19957	6	#0	QPSK	21.77	1.24	23.01	PASS
Band4	1.4	19957	1	#0	16QAM	22.62	1.24	23.86	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.62	1.24	23.86	PASS
Band4	1.4	19957	1	#Max	16QAM	22.61	1.24	23.85	PASS
Band4	1.4	19957	3	#0	16QAM	21.88	1.24	23.12	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.88	1.24	23.12	PASS
Band4	1.4	19957	3	#Max	16QAM	21.90	1.24	23.14	PASS
Band4	1.4	19957	6	#0	16QAM	21.20	1.24	22.44	PASS
Band4	1.4	20175	1	#0	QPSK	22.75	1.24	23.99	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.77	1.24	24.01	PASS
Band4	1.4	20175	1	#Max	QPSK	22.74	1.24	23.98	PASS
Band4	1.4	20175	3	#0	QPSK	22.77	1.24	24.01	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.83	1.24	24.07	PASS
Band4	1.4	20175	3	#Max	QPSK	22.79	1.24	24.03	PASS
Band4	1.4	20175	6	#0	QPSK	21.82	1.24	23.06	PASS
Band4	1.4	20175	1	#0	16QAM	22.37	1.24	23.61	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.48	1.24	23.72	PASS
Band4	1.4	20175	1	#Max	16QAM	22.42	1.24	23.66	PASS
Band4	1.4	20175	3	#0	16QAM	21.83	1.24	23.07	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.82	1.24	23.06	PASS
Band4	1.4	20175	3	#Max	16QAM	21.81	1.24	23.05	PASS
Band4	1.4	20175	6	#0	16QAM	21.21	1.24	22.45	PASS
Band4	1.4	20393	1	#0	QPSK	22.95	1.24	24.19	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.96	1.24	24.20	PASS
Band4	1.4	20393	1	#Max	QPSK	22.97	1.24	24.21	PASS
Band4	1.4	20393	3	#0	QPSK	22.74	1.24	23.98	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.66	1.24	23.90	PASS
Band4	1.4	20393	3	#Max	QPSK	22.71	1.24	23.95	PASS
Band4	1.4	20393	6	#0	QPSK	21.73	1.24	22.97	PASS

Band4	1.4	20393	1	#0	16QAM	22.22	1.24	23.46	PASS
Band4	1.4	20393	1	#Mid	16QAM	22.17	1.24	23.41	PASS
Band4	1.4	20393	1	#Max	16QAM	22.16	1.24	23.40	PASS
Band4	1.4	20393	3	#0	16QAM	22.00	1.24	23.24	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.94	1.24	23.18	PASS
Band4	1.4	20393	3	#Max	16QAM	21.96	1.24	23.20	PASS
Band4	1.4	20393	6	#0	16QAM	20.81	1.24	22.05	PASS
Band4	3	19965	1	#0	QPSK	22.67	1.24	23.91	PASS
Band4	3	19965	1	#Mid	QPSK	22.65	1.24	23.89	PASS
Band4	3	19965	1	#Max	QPSK	22.67	1.24	23.91	PASS
Band4	3	19965	8	#0	QPSK	21.74	1.24	22.98	PASS
Band4	3	19965	8	#Mid	QPSK	21.70	1.24	22.94	PASS
Band4	3	19965	8	#Max	QPSK	21.67	1.24	22.91	PASS
Band4	3	19965	15	#0	QPSK	21.65	1.24	22.89	PASS
Band4	3	19965	1	#0	16QAM	22.66	1.24	23.90	PASS
Band4	3	19965	1	#Mid	16QAM	22.65	1.24	23.89	PASS
Band4	3	19965	1	#Max	16QAM	22.63	1.24	23.87	PASS
Band4	3	19965	8	#0	16QAM	21.03	1.24	22.27	PASS
Band4	3	19965	8	#Mid	16QAM	20.98	1.24	22.22	PASS
Band4	3	19965	8	#Max	16QAM	21.07	1.24	22.31	PASS
Band4	3	19965	15	#0	16QAM	21.20	1.24	22.44	PASS
Band4	3	20175	1	#0	QPSK	22.72	1.24	23.96	PASS
Band4	3	20175	1	#Mid	QPSK	22.76	1.24	24.00	PASS
Band4	3	20175	1	#Max	QPSK	22.76	1.24	24.00	PASS
Band4	3	20175	8	#0	QPSK	21.81	1.24	23.05	PASS
Band4	3	20175	8	#Mid	QPSK	21.78	1.24	23.02	PASS
Band4	3	20175	8	#Max	QPSK	21.80	1.24	23.04	PASS
Band4	3	20175	15	#0	QPSK	21.75	1.24	22.99	PASS
Band4	3	20175	1	#0	16QAM	22.44	1.24	23.68	PASS
Band4	3	20175	1	#Mid	16QAM	22.40	1.24	23.64	PASS
Band4	3	20175	1	#Max	16QAM	22.49	1.24	23.73	PASS
Band4	3	20175	8	#0	16QAM	20.94	1.24	22.18	PASS
Band4	3	20175	8	#Mid	16QAM	21.50	1.24	22.74	PASS
Band4	3	20175	8	#Max	16QAM	21.51	1.24	22.75	PASS
Band4	3	20175	15	#0	16QAM	21.24	1.24	22.48	PASS
Band4	3	20385	1	#0	QPSK	22.96	1.24	24.20	PASS
Band4	3	20385	1	#Mid	QPSK	22.92	1.24	24.16	PASS
Band4	3	20385	1	#Max	QPSK	23.00	1.24	24.24	PASS
Band4	3	20385	8	#0	QPSK	21.70	1.24	22.94	PASS
Band4	3	20385	8	#Mid	QPSK	21.68	1.24	22.92	PASS
Band4	3	20385	8	#Max	QPSK	21.58	1.24	22.82	PASS
Band4	3	20385	15	#0	QPSK	21.72	1.24	22.96	PASS

Band4	3	20385	1	#0	16QAM	22.01	1.24	23.25	PASS
Band4	3	20385	1	#Mid	16QAM	22.14	1.24	23.38	PASS
Band4	3	20385	1	#Max	16QAM	22.15	1.24	23.39	PASS
Band4	3	20385	8	#0	16QAM	20.67	1.24	21.91	PASS
Band4	3	20385	8	#Mid	16QAM	20.70	1.24	21.94	PASS
Band4	3	20385	8	#Max	16QAM	20.71	1.24	21.95	PASS
Band4	3	20385	15	#0	16QAM	20.62	1.24	21.86	PASS
Band4	5	19975	1	#0	QPSK	22.66	1.24	23.90	PASS
Band4	5	19975	1	#Mid	QPSK	22.57	1.24	23.81	PASS
Band4	5	19975	1	#Max	QPSK	22.52	1.24	23.76	PASS
Band4	5	19975	12	#0	QPSK	21.68	1.24	22.92	PASS
Band4	5	19975	12	#Mid	QPSK	21.70	1.24	22.94	PASS
Band4	5	19975	12	#Max	QPSK	21.69	1.24	22.93	PASS
Band4	5	19975	25	#0	QPSK	21.67	1.24	22.91	PASS
Band4	5	19975	1	#0	16QAM	21.88	1.24	23.12	PASS
Band4	5	19975	1	#Mid	16QAM	21.81	1.24	23.05	PASS
Band4	5	19975	1	#Max	16QAM	21.76	1.24	23.00	PASS
Band4	5	19975	12	#0	16QAM	20.96	1.24	22.20	PASS
Band4	5	19975	12	#Mid	16QAM	20.97	1.24	22.21	PASS
Band4	5	19975	12	#Max	16QAM	20.98	1.24	22.22	PASS
Band4	5	19975	25	#0	16QAM	21.05	1.24	22.29	PASS
Band4	5	20175	1	#0	QPSK	22.69	1.24	23.93	PASS
Band4	5	20175	1	#Mid	QPSK	22.75	1.24	23.99	PASS
Band4	5	20175	1	#Max	QPSK	22.66	1.24	23.90	PASS
Band4	5	20175	12	#0	QPSK	21.77	1.24	23.01	PASS
Band4	5	20175	12	#Mid	QPSK	21.79	1.24	23.03	PASS
Band4	5	20175	12	#Max	QPSK	21.75	1.24	22.99	PASS
Band4	5	20175	25	#0	QPSK	21.80	1.24	23.04	PASS
Band4	5	20175	1	#0	16QAM	21.39	1.24	22.63	PASS
Band4	5	20175	1	#Mid	16QAM	21.43	1.24	22.67	PASS
Band4	5	20175	1	#Max	16QAM	21.48	1.24	22.72	PASS
Band4	5	20175	12	#0	16QAM	20.64	1.24	21.88	PASS
Band4	5	20175	12	#Mid	16QAM	21.12	1.24	22.36	PASS
Band4	5	20175	12	#Max	16QAM	21.12	1.24	22.36	PASS
Band4	5	20175	25	#0	16QAM	21.29	1.24	22.53	PASS
Band4	5	20375	1	#0	QPSK	22.63	1.24	23.87	PASS
Band4	5	20375	1	#Mid	QPSK	22.53	1.24	23.77	PASS
Band4	5	20375	1	#Max	QPSK	22.54	1.24	23.78	PASS
Band4	5	20375	12	#0	QPSK	21.65	1.24	22.89	PASS
Band4	5	20375	12	#Mid	QPSK	21.78	1.24	23.02	PASS
Band4	5	20375	12	#Max	QPSK	21.64	1.24	22.88	PASS
Band4	5	20375	25	#0	QPSK	21.79	1.24	23.03	PASS

Band4	5	20375	1	#0	16QAM	21.81	1.24	23.05	PASS
Band4	5	20375	1	#Mid	16QAM	21.75	1.24	22.99	PASS
Band4	5	20375	1	#Max	16QAM	21.78	1.24	23.02	PASS
Band4	5	20375	12	#0	16QAM	20.69	1.24	21.93	PASS
Band4	5	20375	12	#Mid	16QAM	20.58	1.24	21.82	PASS
Band4	5	20375	12	#Max	16QAM	20.63	1.24	21.87	PASS
Band4	5	20375	25	#0	16QAM	20.58	1.24	21.82	PASS
Band4	10	20000	1	#0	QPSK	22.70	1.24	23.94	PASS
Band4	10	20000	1	#Mid	QPSK	22.63	1.24	23.87	PASS
Band4	10	20000	1	#Max	QPSK	22.75	1.24	23.99	PASS
Band4	10	20000	25	#0	QPSK	21.73	1.24	22.97	PASS
Band4	10	20000	25	#Mid	QPSK	21.73	1.24	22.97	PASS
Band4	10	20000	25	#Max	QPSK	21.66	1.24	22.90	PASS
Band4	10	20000	50	#0	QPSK	21.70	1.24	22.94	PASS
Band4	10	20175	1	#0	QPSK	22.70	1.24	23.94	PASS
Band4	10	20175	1	#Mid	QPSK	22.76	1.24	24.00	PASS
Band4	10	20175	1	#Max	QPSK	22.72	1.24	23.96	PASS
Band4	10	20175	25	#0	QPSK	21.75	1.24	22.99	PASS
Band4	10	20175	25	#Mid	QPSK	21.83	1.24	23.07	PASS
Band4	10	20175	25	#Max	QPSK	21.80	1.24	23.04	PASS
Band4	10	20175	50	#0	QPSK	21.76	1.24	23.00	PASS
Band4	10	20350	1	#0	QPSK	22.84	1.24	24.08	PASS
Band4	10	20350	1	#Mid	QPSK	22.84	1.24	24.08	PASS
Band4	10	20350	1	#Max	QPSK	22.77	1.24	24.01	PASS
Band4	10	20350	25	#0	QPSK	21.65	1.24	22.89	PASS
Band4	10	20350	25	#Mid	QPSK	21.73	1.24	22.97	PASS
Band4	10	20350	25	#Max	QPSK	21.73	1.24	22.97	PASS
Band4	10	20350	50	#0	QPSK	21.65	1.24	22.89	PASS
Band4	15	20025	1	#0	QPSK	22.70	1.24	23.94	PASS
Band4	15	20025	1	#Mid	QPSK	22.65	1.24	23.89	PASS
Band4	15	20025	1	#Max	QPSK	22.74	1.24	23.98	PASS
Band4	15	20025	36	#0	QPSK	21.66	1.24	22.90	PASS
Band4	15	20025	36	#Mid	QPSK	21.75	1.24	22.99	PASS
Band4	15	20025	36	#Max	QPSK	21.61	1.24	22.85	PASS
Band4	15	20025	75	#0	QPSK	21.70	1.24	22.94	PASS
Band4	15	20175	1	#0	QPSK	22.69	1.24	23.93	PASS
Band4	15	20175	1	#Mid	QPSK	22.78	1.24	24.02	PASS
Band4	15	20175	1	#Max	QPSK	22.70	1.24	23.94	PASS
Band4	15	20175	36	#0	QPSK	21.68	1.24	22.92	PASS
Band4	15	20175	36	#Mid	QPSK	21.78	1.24	23.02	PASS
Band4	15	20175	36	#Max	QPSK	21.71	1.24	22.95	PASS
Band4	15	20175	75	#0	QPSK	21.72	1.24	22.96	PASS

Band4	15	20325	1	#0	QPSK	22.82	1.24	24.06	PASS
Band4	15	20325	1	#Mid	QPSK	22.68	1.24	23.92	PASS
Band4	15	20325	1	#Max	QPSK	22.64	1.24	23.88	PASS
Band4	15	20325	36	#0	QPSK	21.82	1.24	23.06	PASS
Band4	15	20325	36	#Mid	QPSK	21.71	1.24	22.95	PASS
Band4	15	20325	36	#Max	QPSK	21.74	1.24	22.98	PASS
Band4	15	20325	75	#0	QPSK	21.77	1.24	23.01	PASS
Band4	20	20050	1	#0	QPSK	22.71	1.24	23.95	PASS
Band4	20	20050	1	#Mid	QPSK	22.70	1.24	23.94	PASS
Band4	20	20050	1	#Max	QPSK	22.62	1.24	23.86	PASS
Band4	20	20050	50	#0	QPSK	21.63	1.24	22.87	PASS
Band4	20	20050	50	#Mid	QPSK	21.71	1.24	22.95	PASS
Band4	20	20050	50	#Max	QPSK	21.72	1.24	22.96	PASS
Band4	20	20050	100	#0	QPSK	21.66	1.24	22.90	PASS
Band4	20	20175	1	#0	QPSK	22.79	1.24	24.03	PASS
Band4	20	20175	1	#Mid	QPSK	22.84	1.24	24.08	PASS
Band4	20	20175	1	#Max	QPSK	22.81	1.24	24.05	PASS
Band4	20	20175	50	#0	QPSK	21.70	1.24	22.94	PASS
Band4	20	20175	50	#Mid	QPSK	21.77	1.24	23.01	PASS
Band4	20	20175	50	#Max	QPSK	21.68	1.24	22.92	PASS
Band4	20	20175	100	#0	QPSK	21.71	1.24	22.95	PASS
Band4	20	20300	1	#0	QPSK	22.86	1.24	24.10	PASS
Band4	20	20300	1	#Mid	QPSK	22.90	1.24	24.14	PASS
Band4	20	20300	1	#Max	QPSK	22.77	1.24	24.01	PASS
Band4	20	20300	50	#0	QPSK	21.89	1.24	23.13	PASS
Band4	20	20300	50	#Mid	QPSK	21.75	1.24	22.99	PASS
Band4	20	20300	50	#Max	QPSK	21.74	1.24	22.98	PASS
Band4	20	20300	100	#0	QPSK	21.67	1.24	22.91	PASS



**Appendix 2. Frequency stability**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-24.08	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-30.46	-0.018	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-36.62	-0.021	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	5.06	0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	5.72	0.003	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	1.62	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	10.07	0.006	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	7.27	0.004	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	9.41	0.005	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	6.75	0.004	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	6.14	0.004	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	5.58	0.003	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	14.58	0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	15.23	0.009	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	14.19	0.008	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	13.62	0.008	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	14.72	0.008	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	15.21	0.009	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-3.53	-0.002	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-12.93	-0.008	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-18.25	-0.011	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-22.49	-0.013	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-26.06	-0.015	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-23.56	-0.014	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	19.47	0.011	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	19.15	0.011	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	12.79	0.007	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	14.76	0.009	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	18.97	0.011	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	22.66	0.013	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	14.41	0.008	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	13.10	0.007	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	15.89	0.009	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	16.31	0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	19.40	0.011	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	18.83	0.011	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	3.45	0.002	PASS



Band4	5	19975	25	#0	QPSK	NV	NT	-5.44	-0.003	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	-8.04	-0.005	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-11.07	-0.006	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	-9.38	-0.005	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-9.98	-0.006	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	12.32	0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	8.48	0.005	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	9.91	0.006	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	11.53	0.007	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	11.07	0.006	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	15.79	0.009	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	22.93	0.013	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	20.33	0.012	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	21.00	0.012	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	22.43	0.013	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	25.72	0.015	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	27.15	0.015	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	2.76	0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-13.60	-0.008	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-13.79	-0.008	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	13.98	0.008	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	14.33	0.008	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	15.82	0.009	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	8.33	0.005	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	10.74	0.006	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	16.19	0.009	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	0.57	0.000	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-9.38	-0.005	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-18.34	-0.011	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	20.71	0.012	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	21.07	0.012	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	26.99	0.016	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	9.00	0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	11.37	0.007	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	16.04	0.009	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	2.88	0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-10.51	-0.006	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-12.82	-0.007	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	9.00	0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	12.32	0.007	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	17.25	0.010	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	5.51	0.003	PASS

Band4	20	20300	100	#0	QPSK	NV	NT	14.69	0.008	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	18.02	0.010	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	NV	-30	-24.20	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-32.00	-0.019	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-12.96	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-30.90	-0.018	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	-38.54	-0.023	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-14.36	-0.008	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-28.67	-0.017	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-41.33	-0.024	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	11.40	0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	0.96	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	-9.98	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-13.85	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-21.54	-0.013	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-30.34	-0.018	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	1.53	0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-2.45	-0.001	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-3.50	-0.002	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-9.44	-0.006	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-15.01	-0.009	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-17.84	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-24.79	-0.014	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-26.55	-0.015	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-30.70	-0.018	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-35.91	-0.021	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-3.26	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-4.66	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-5.92	-0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	-8.60	-0.005	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-13.19	-0.008	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-14.86	-0.009	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-19.13	-0.011	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-18.77	-0.011	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-17.18	-0.010	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-19.93	-0.012	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	-17.77	-0.010	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-19.68	-0.011	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-15.23	-0.009	PASS

Band4	1.4	20393	6	#0	QPSK	NV	-20	-13.56	-0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-11.86	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-10.10	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-10.33	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-9.71	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-7.45	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-10.43	-0.006	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-9.58	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	-7.34	-0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	-9.14	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	-8.83	-0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-9.74	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-6.14	-0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-3.76	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-3.96	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-3.20	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	-6.98	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	20.11	0.012	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	16.87	0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	15.88	0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	0	12.23	0.007	PASS
Band4	3	19965	15	#0	QPSK	NV	10	10.90	0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	20	11.06	0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	30	16.19	0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	40	13.07	0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	50	14.91	0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	15.62	0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	18.38	0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	21.53	0.013	PASS
Band4	3	19965	15	#0	16QAM	NV	0	19.35	0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	10	20.99	0.012	PASS
Band4	3	19965	15	#0	16QAM	NV	20	26.56	0.016	PASS
Band4	3	19965	15	#0	16QAM	NV	30	25.96	0.015	PASS
Band4	3	19965	15	#0	16QAM	NV	40	29.28	0.017	PASS
Band4	3	19965	15	#0	16QAM	NV	50	31.84	0.019	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	5.58	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	6.27	0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	3.93	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	0	6.39	0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	10	4.51	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	20	8.35	0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	30	9.78	0.006	PASS

Band4	3	20175	15	#0	QPSK	NV	40	11.59	0.007	PASS
Band4	3	20175	15	#0	QPSK	NV	50	15.18	0.009	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	20.36	0.012	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	23.63	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	24.35	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	0	26.81	0.015	PASS
Band4	3	20175	15	#0	16QAM	NV	10	31.83	0.018	PASS
Band4	3	20175	15	#0	16QAM	NV	20	34.09	0.020	PASS
Band4	3	20175	15	#0	16QAM	NV	30	37.58	0.022	PASS
Band4	3	20175	15	#0	16QAM	NV	40	4.15	0.002	PASS
Band4	3	20175	15	#0	16QAM	NV	50	-2.35	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	13.06	0.007	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	15.16	0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	14.20	0.008	PASS
Band4	3	20385	15	#0	QPSK	NV	0	15.74	0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	10	17.74	0.010	PASS
Band4	3	20385	15	#0	QPSK	NV	20	22.34	0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	30	23.69	0.014	PASS
Band4	3	20385	15	#0	QPSK	NV	40	21.92	0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	50	22.83	0.013	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	23.67	0.013	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	28.35	0.016	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	32.54	0.019	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-3.59	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-0.86	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	20	-2.73	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	30	-5.22	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	40	-7.12	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-6.92	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-2.37	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-4.01	-0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-7.11	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-4.43	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-4.75	-0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-0.07	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	30	2.65	0.002	PASS
Band4	5	19975	25	#0	QPSK	NV	40	5.02	0.003	PASS
Band4	5	19975	25	#0	QPSK	NV	50	8.21	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	11.32	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	18.34	0.011	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	23.69	0.014	PASS
Band4	5	19975	25	#0	16QAM	NV	0	24.33	0.014	PASS

Band4	5	19975	25	#0	16QAM	NV	10	28.62	0.017	PASS
Band4	5	19975	25	#0	16QAM	NV	20	30.68	0.018	PASS
Band4	5	19975	25	#0	16QAM	NV	30	38.29	0.022	PASS
Band4	5	19975	25	#0	16QAM	NV	40	36.95	0.022	PASS
Band4	5	19975	25	#0	16QAM	NV	50	36.71	0.021	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	5.32	0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	5.46	0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	6.25	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	0	9.04	0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	10	10.79	0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	20	15.05	0.009	PASS
Band4	5	20175	25	#0	QPSK	NV	30	22.16	0.013	PASS
Band4	5	20175	25	#0	QPSK	NV	40	23.07	0.013	PASS
Band4	5	20175	25	#0	QPSK	NV	50	30.96	0.018	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	38.12	0.022	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-7.80	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	-3.82	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	0	5.11	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	10	10.50	0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	20	13.90	0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	30	17.84	0.010	PASS
Band4	5	20175	25	#0	16QAM	NV	40	17.17	0.010	PASS
Band4	5	20175	25	#0	16QAM	NV	50	24.66	0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	24.58	0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	21.90	0.012	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	26.26	0.015	PASS
Band4	5	20375	25	#0	QPSK	NV	0	24.69	0.014	PASS
Band4	5	20375	25	#0	QPSK	NV	10	28.70	0.016	PASS
Band4	5	20375	25	#0	QPSK	NV	20	34.52	0.020	PASS
Band4	5	20375	25	#0	QPSK	NV	30	31.79	0.018	PASS
Band4	5	20375	25	#0	QPSK	NV	40	32.79	0.019	PASS
Band4	5	20375	25	#0	QPSK	NV	50	31.37	0.018	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	33.95	0.019	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	37.14	0.021	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	12.30	0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-9.26	-0.005	PASS
Band4	5	20375	25	#0	16QAM	NV	10	-12.35	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	20	-14.25	-0.008	PASS
Band4	5	20375	25	#0	16QAM	NV	30	-11.67	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	40	-13.12	-0.007	PASS
Band4	5	20375	25	#0	16QAM	NV	50	-12.73	-0.007	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-9.57	-0.006	PASS

Band4	10	20000	50	#0	QPSK	NV	-20	-18.48	-0.011	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-27.59	-0.016	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-22.46	-0.013	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-20.44	-0.012	PASS
Band4	10	20000	50	#0	QPSK	NV	20	-9.91	-0.006	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-6.41	-0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	40	1.50	0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	50	9.03	0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-0.03	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	6.35	0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	10.17	0.006	PASS
Band4	10	20175	50	#0	QPSK	NV	0	15.86	0.009	PASS
Band4	10	20175	50	#0	QPSK	NV	10	24.16	0.014	PASS
Band4	10	20175	50	#0	QPSK	NV	20	29.65	0.017	PASS
Band4	10	20175	50	#0	QPSK	NV	30	16.58	0.010	PASS
Band4	10	20175	50	#0	QPSK	NV	40	6.52	0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	50	14.93	0.009	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	12.16	0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	17.94	0.010	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	22.52	0.013	PASS
Band4	10	20350	50	#0	QPSK	NV	0	27.27	0.016	PASS
Band4	10	20350	50	#0	QPSK	NV	10	32.42	0.019	PASS
Band4	10	20350	50	#0	QPSK	NV	20	34.40	0.020	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-0.87	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	50	-2.20	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-12.35	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-25.65	-0.015	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-24.63	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-23.30	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	10	-10.13	-0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	20	-1.89	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	30	10.56	0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	40	27.79	0.016	PASS
Band4	15	20025	75	#0	QPSK	NV	50	36.89	0.021	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	21.99	0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	28.82	0.017	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	33.92	0.020	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-0.96	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	10	9.56	0.006	PASS
Band4	15	20175	75	#0	QPSK	NV	20	24.30	0.014	PASS
Band4	15	20175	75	#0	QPSK	NV	30	31.74	0.018	PASS

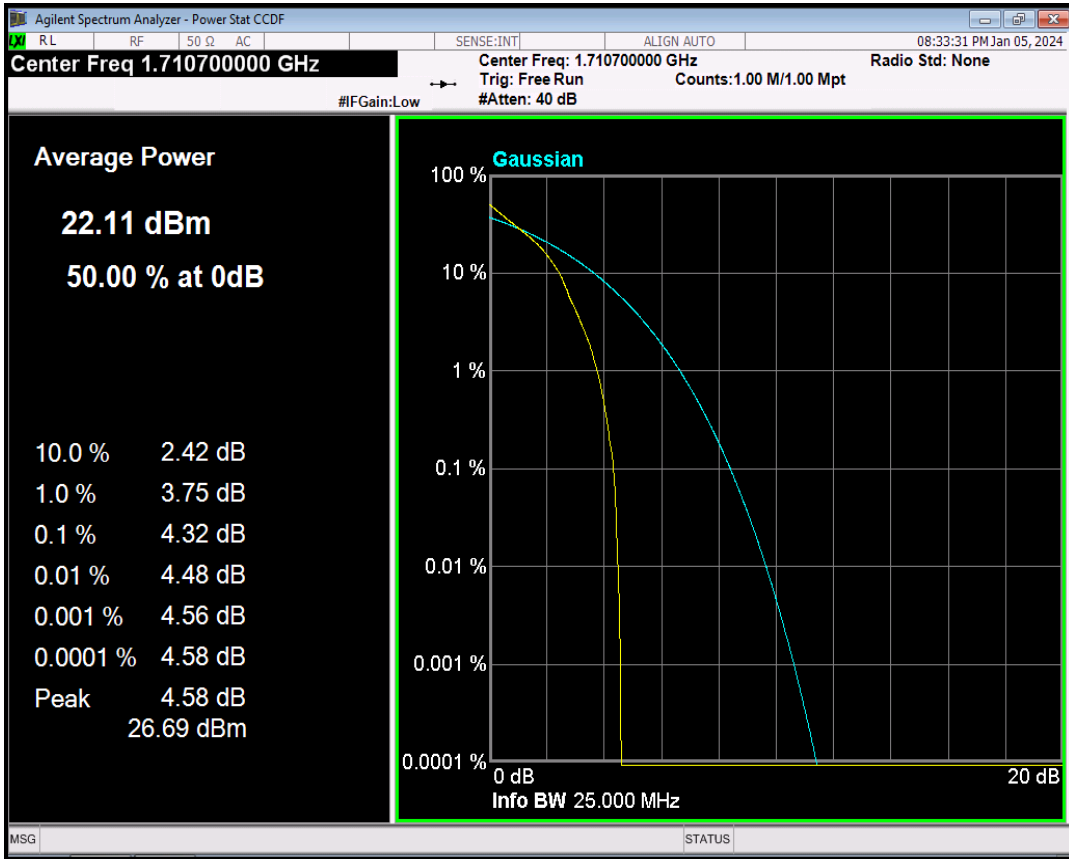
Band4	15	20175	75	#0	QPSK	NV	40	32.72	0.019	PASS
Band4	15	20175	75	#0	QPSK	NV	50	18.25	0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	4.39	0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	11.30	0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	13.95	0.008	PASS
Band4	15	20325	75	#0	QPSK	NV	0	15.88	0.009	PASS
Band4	15	20325	75	#0	QPSK	NV	10	17.82	0.010	PASS
Band4	15	20325	75	#0	QPSK	NV	20	15.94	0.009	PASS
Band4	15	20325	75	#0	QPSK	NV	30	14.98	0.009	PASS
Band4	15	20325	75	#0	QPSK	NV	40	14.76	0.008	PASS
Band4	15	20325	75	#0	QPSK	NV	50	15.28	0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	3.39	0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-13.63	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-13.28	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-3.63	-0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	10	8.55	0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	20	22.85	0.013	PASS
Band4	20	20050	100	#0	QPSK	NV	30	18.17	0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	40	6.67	0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	50	23.65	0.014	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	21.74	0.013	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	30.86	0.018	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	21.04	0.012	PASS
Band4	20	20175	100	#0	QPSK	NV	0	12.10	0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	10	26.16	0.015	PASS
Band4	20	20175	100	#0	QPSK	NV	20	36.69	0.021	PASS
Band4	20	20175	100	#0	QPSK	NV	30	2.56	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	40	15.38	0.009	PASS
Band4	20	20175	100	#0	QPSK	NV	50	27.92	0.016	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	26.35	0.015	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	30.83	0.018	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	38.17	0.022	PASS
Band4	20	20300	100	#0	QPSK	NV	0	42.86	0.025	PASS
Band4	20	20300	100	#0	QPSK	NV	10	39.47	0.023	PASS
Band4	20	20300	100	#0	QPSK	NV	20	45.15	0.026	PASS
Band4	20	20300	100	#0	QPSK	NV	30	45.30	0.026	PASS
Band4	20	20300	100	#0	QPSK	NV	40	11.84	0.007	PASS
Band4	20	20300	100	#0	QPSK	NV	50	13.10	0.008	PASS

**Appendix 3. Peak-to-Average Ratio**

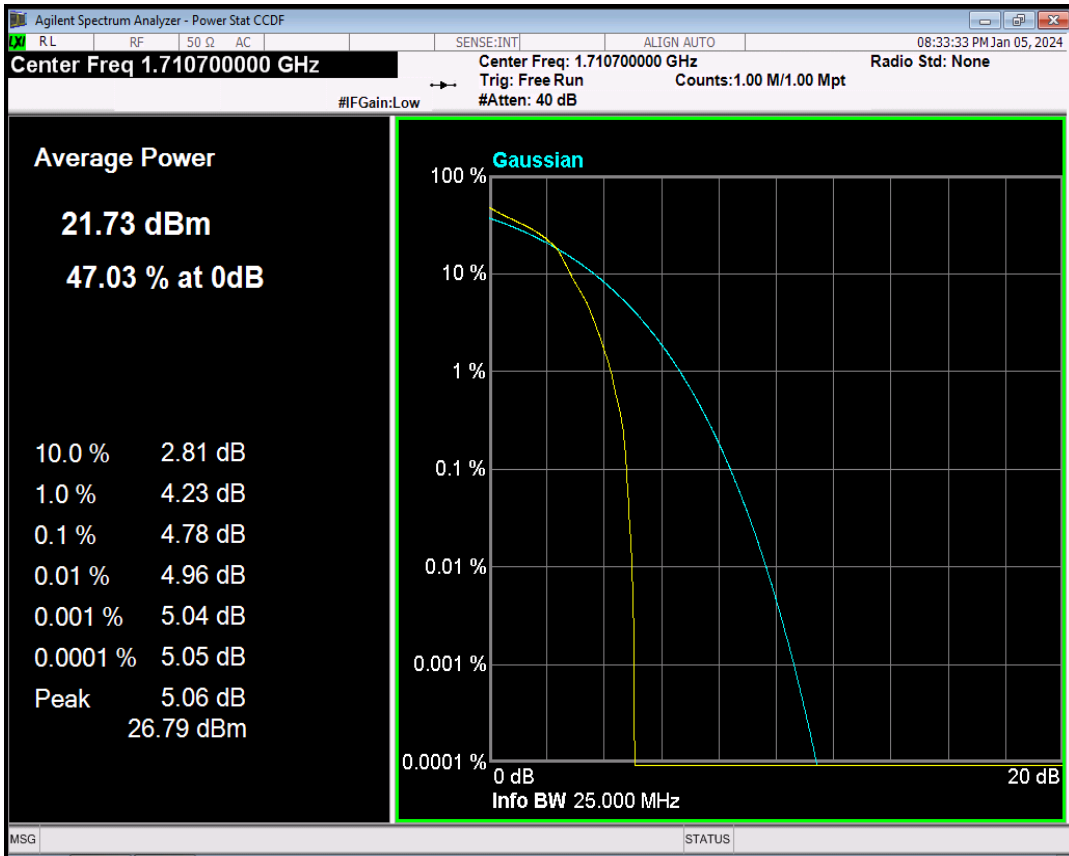
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.32	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.78	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.82	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.80	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.16	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.18	13	PASS
Band4	3	19965	1	#0	QPSK	4.28	13	PASS
Band4	3	19965	1	#0	16QAM	5.21	13	PASS
Band4	3	20175	1	#0	QPSK	4.80	13	PASS
Band4	3	20175	1	#0	16QAM	5.48	13	PASS
Band4	3	20385	1	#0	QPSK	3.10	13	PASS
Band4	3	20385	1	#0	16QAM	3.92	13	PASS
Band4	5	19975	1	#0	QPSK	4.35	13	PASS
Band4	5	19975	1	#0	16QAM	5.20	13	PASS
Band4	5	20175	1	#0	QPSK	4.87	13	PASS
Band4	5	20175	1	#0	16QAM	5.57	13	PASS
Band4	5	20375	1	#0	QPSK	3.47	13	PASS
Band4	5	20375	1	#0	16QAM	4.44	13	PASS
Band4	10	20000	1	#0	QPSK	4.27	13	PASS
Band4	10	20175	1	#0	QPSK	5.00	13	PASS
Band4	10	20350	1	#0	QPSK	4.23	13	PASS
Band4	15	20025	1	#0	QPSK	4.20	13	PASS
Band4	15	20175	1	#0	QPSK	5.19	13	PASS
Band4	15	20325	1	#0	QPSK	5.01	13	PASS
Band4	20	20050	1	#0	QPSK	4.15	13	PASS
Band4	20	20175	1	#0	QPSK	5.20	13	PASS
Band4	20	20300	1	#0	QPSK	4.94	13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0

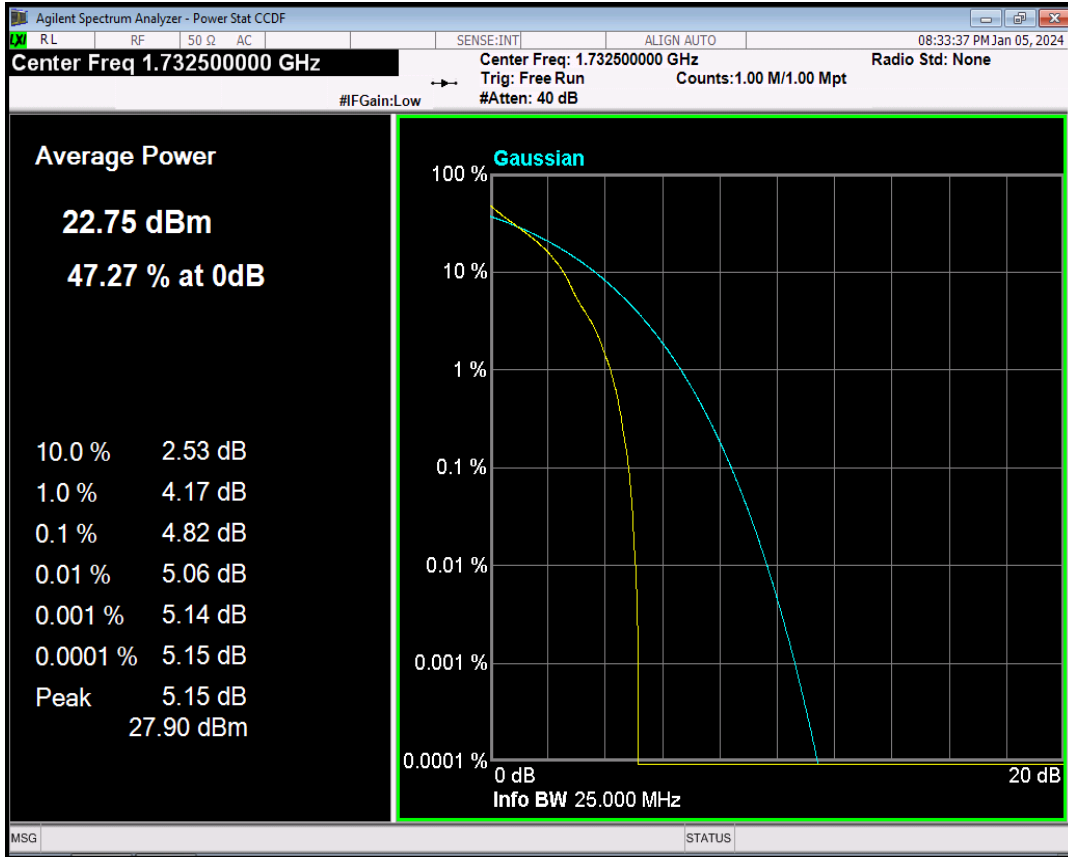




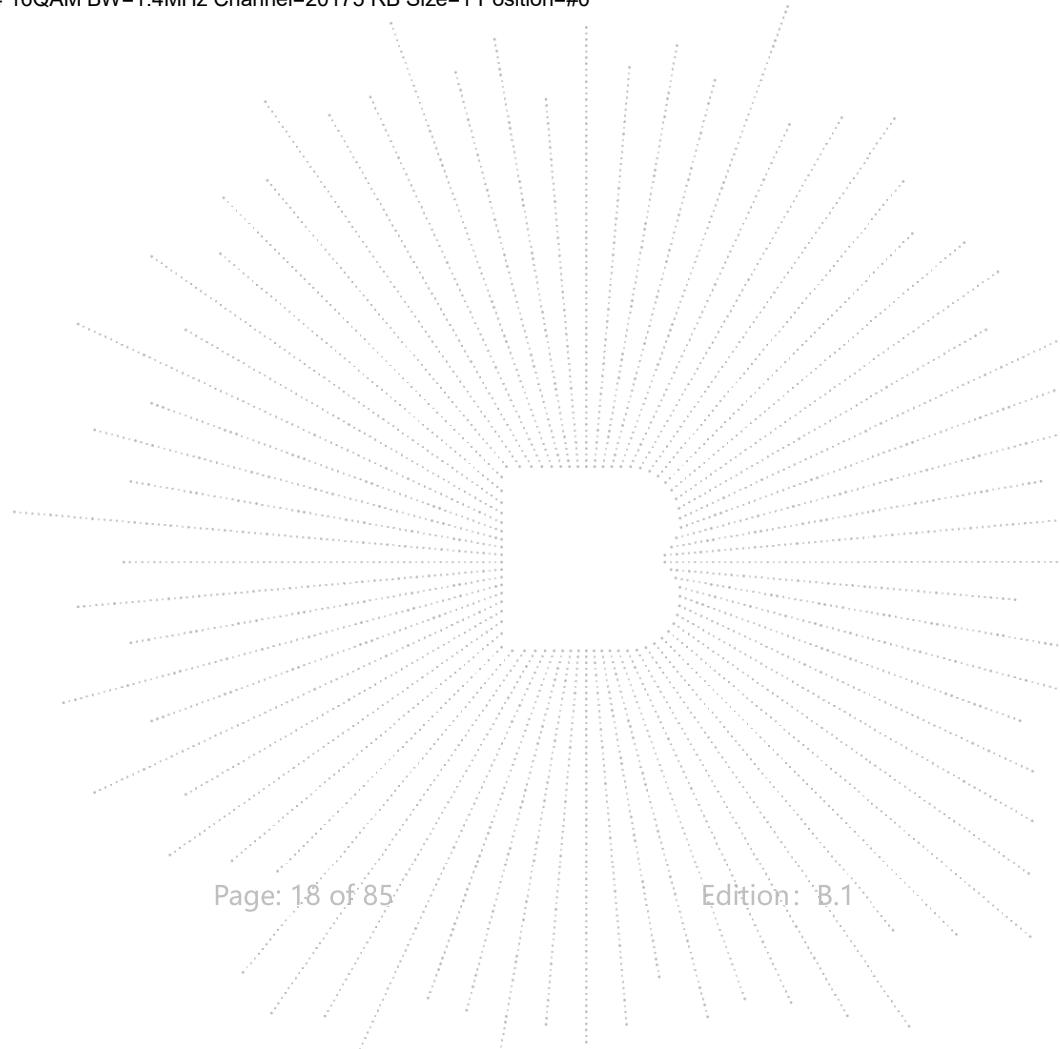
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0

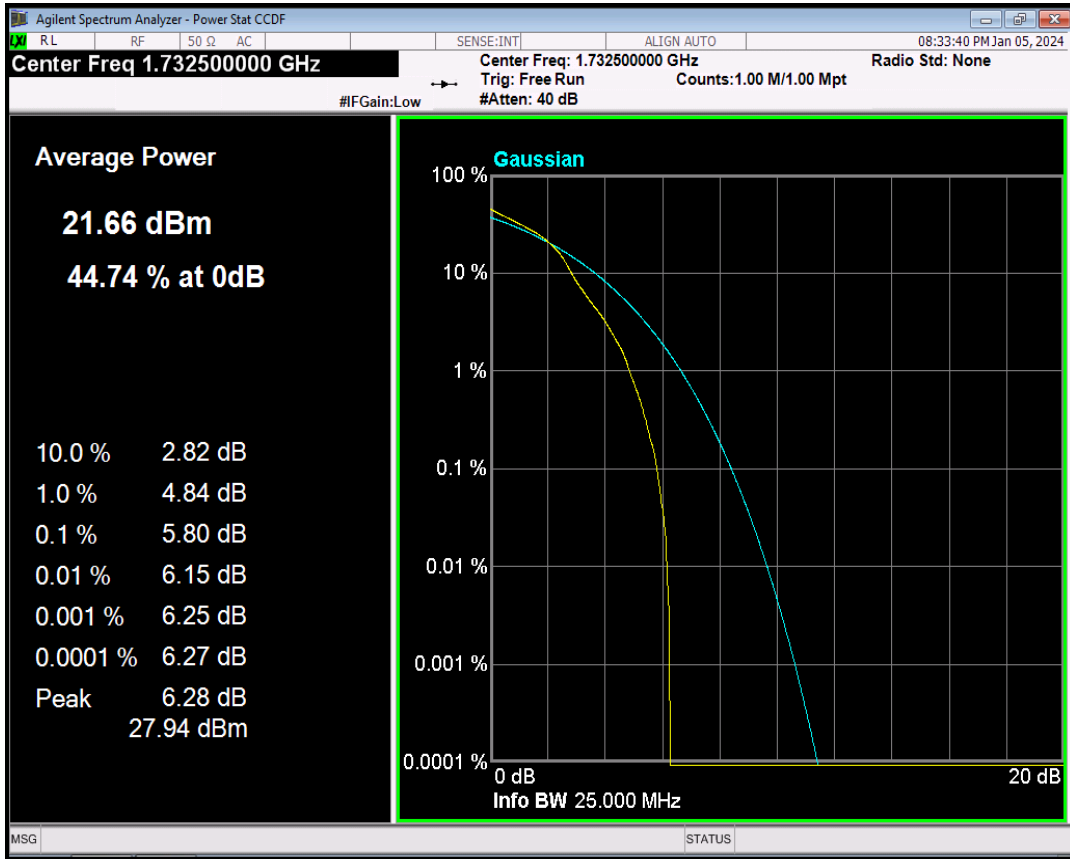


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

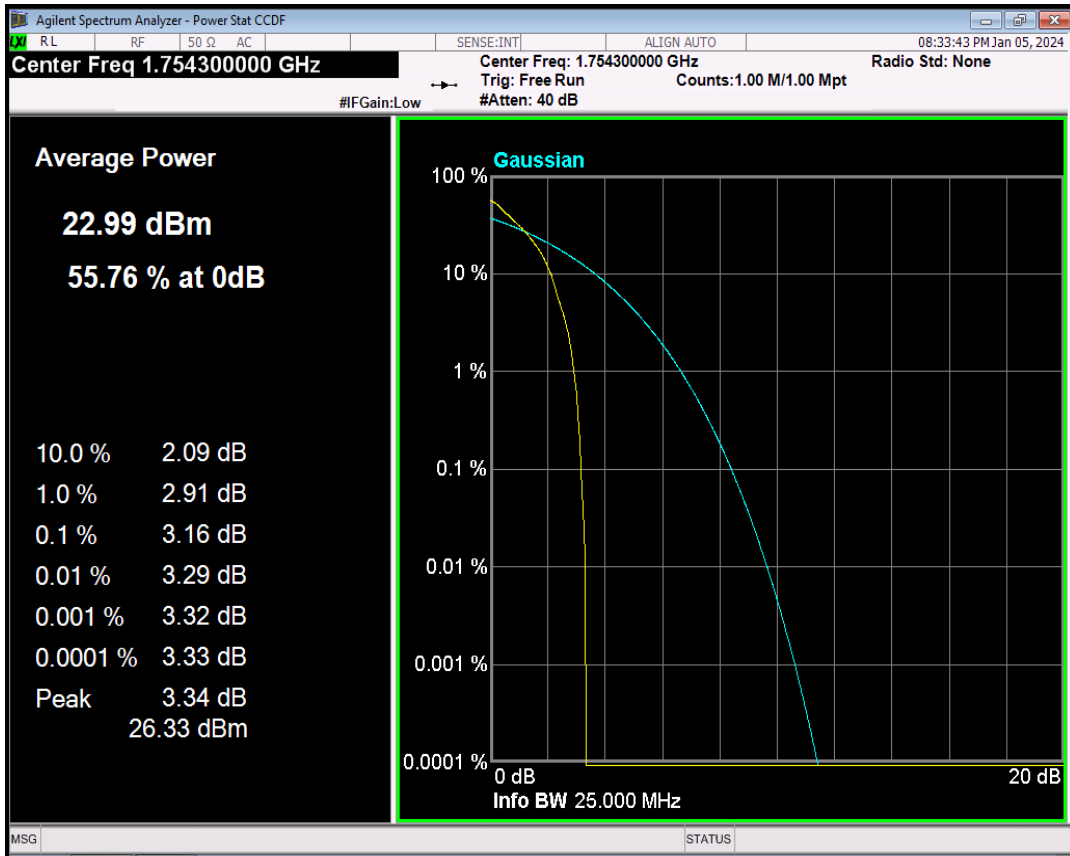


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



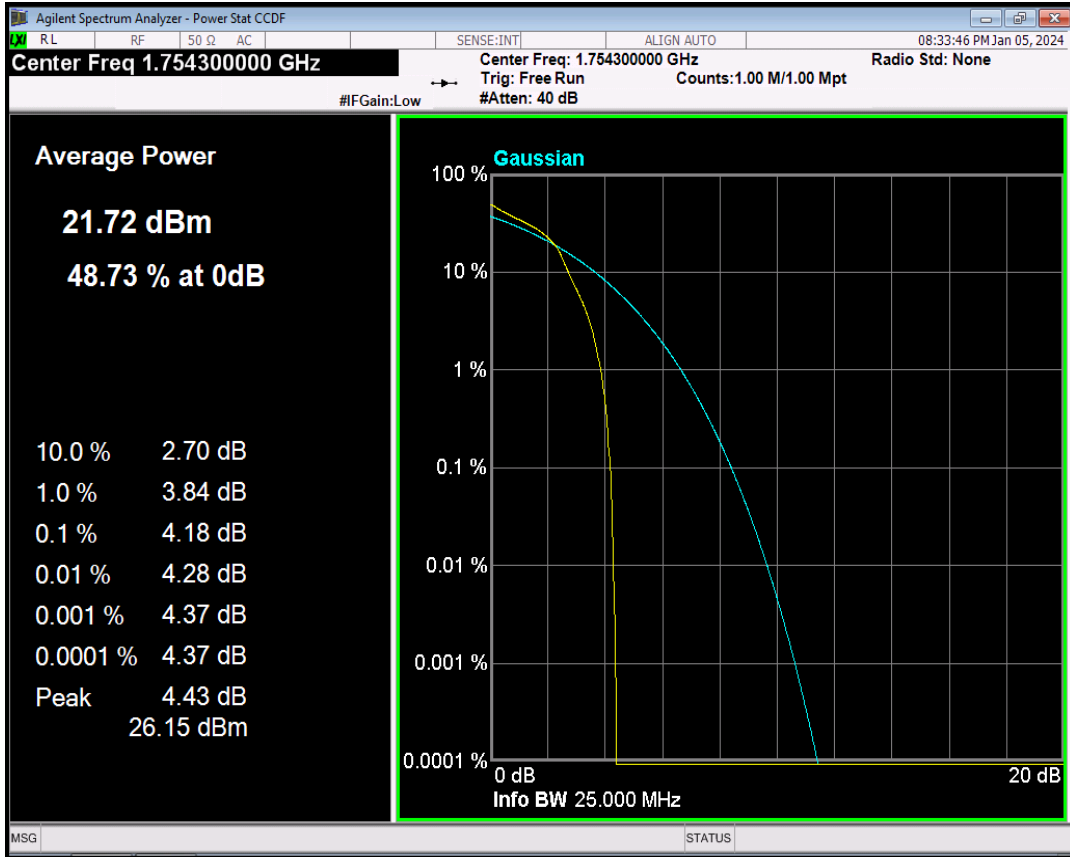


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

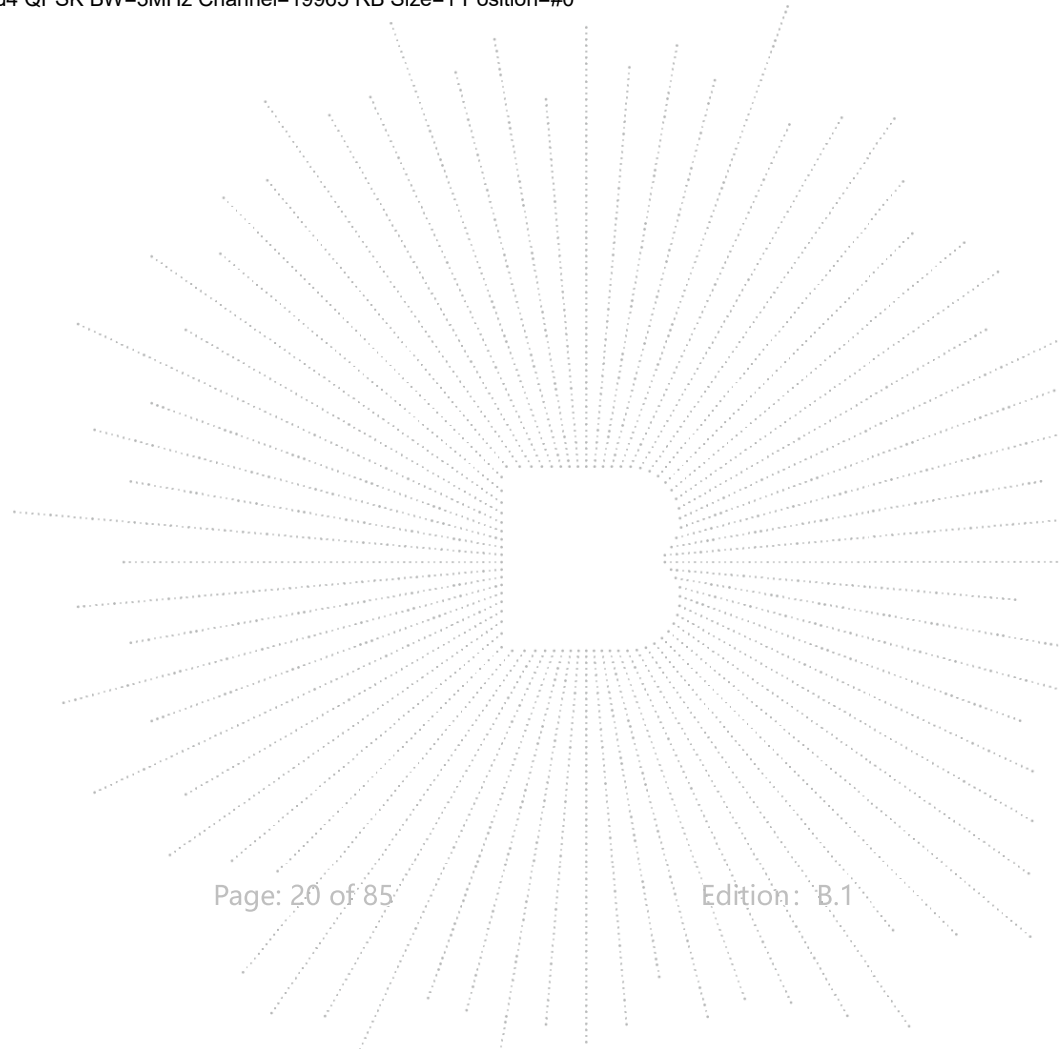


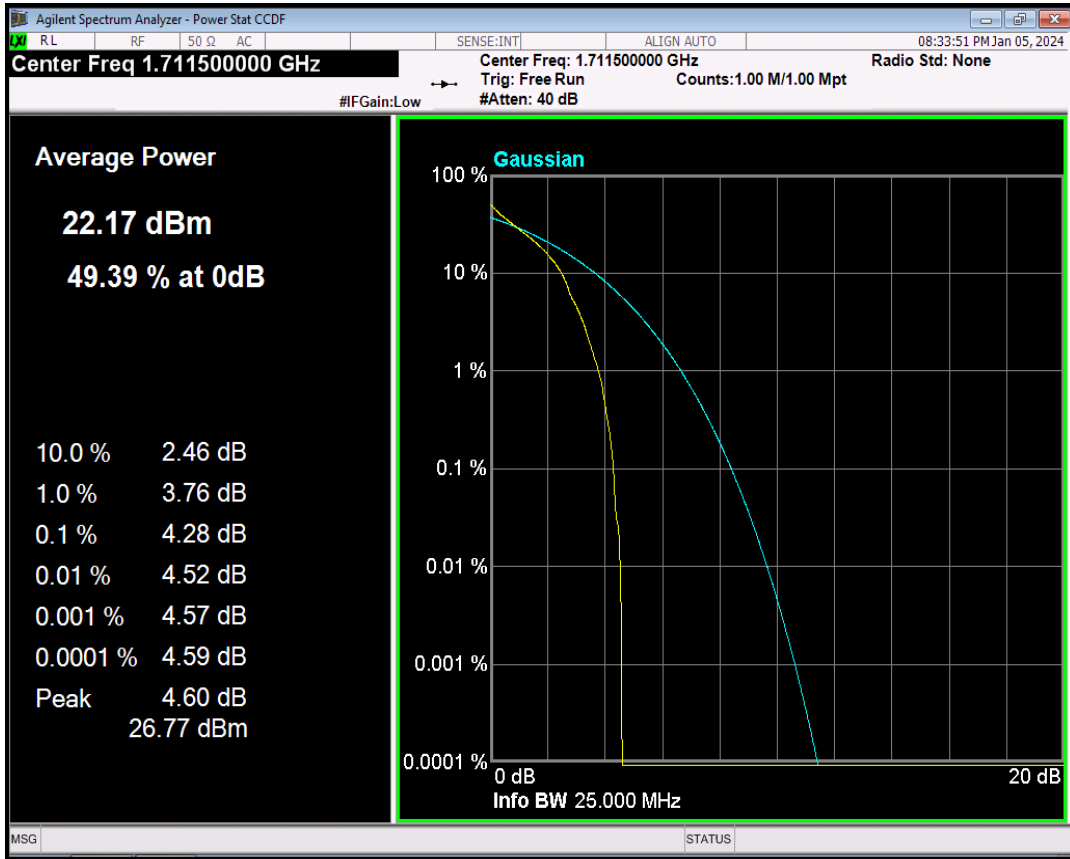


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

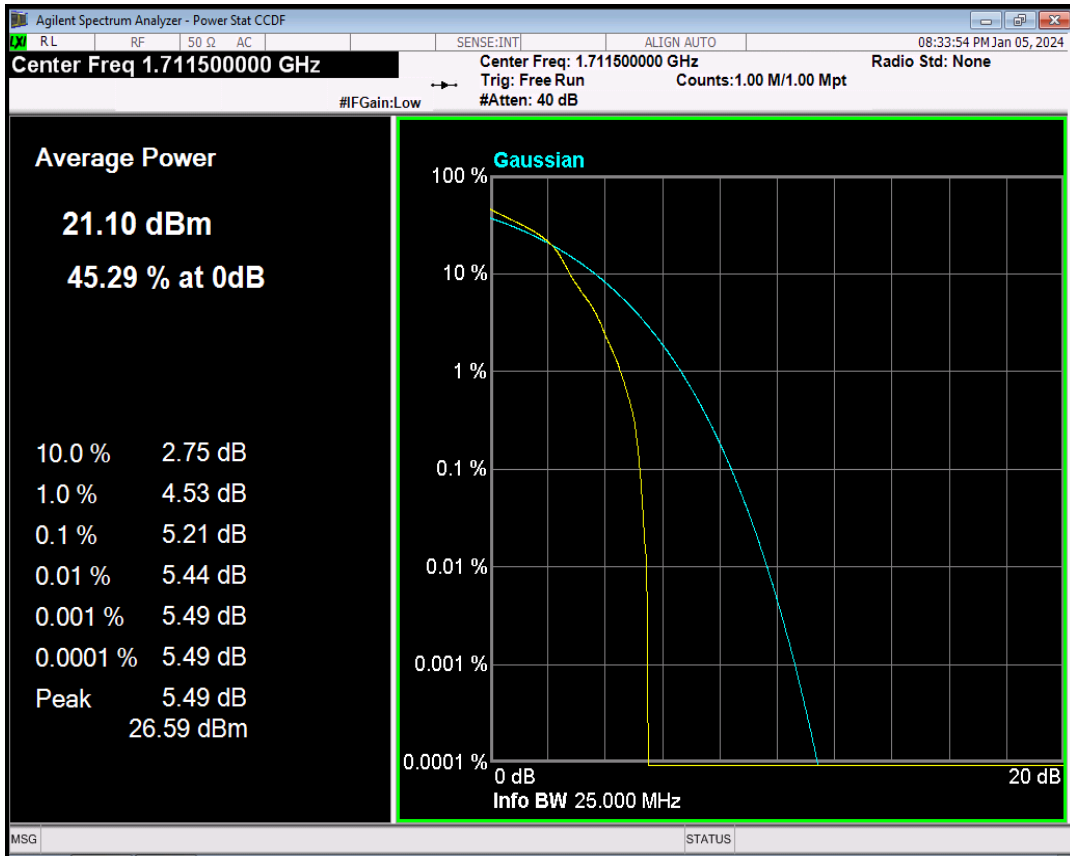


Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

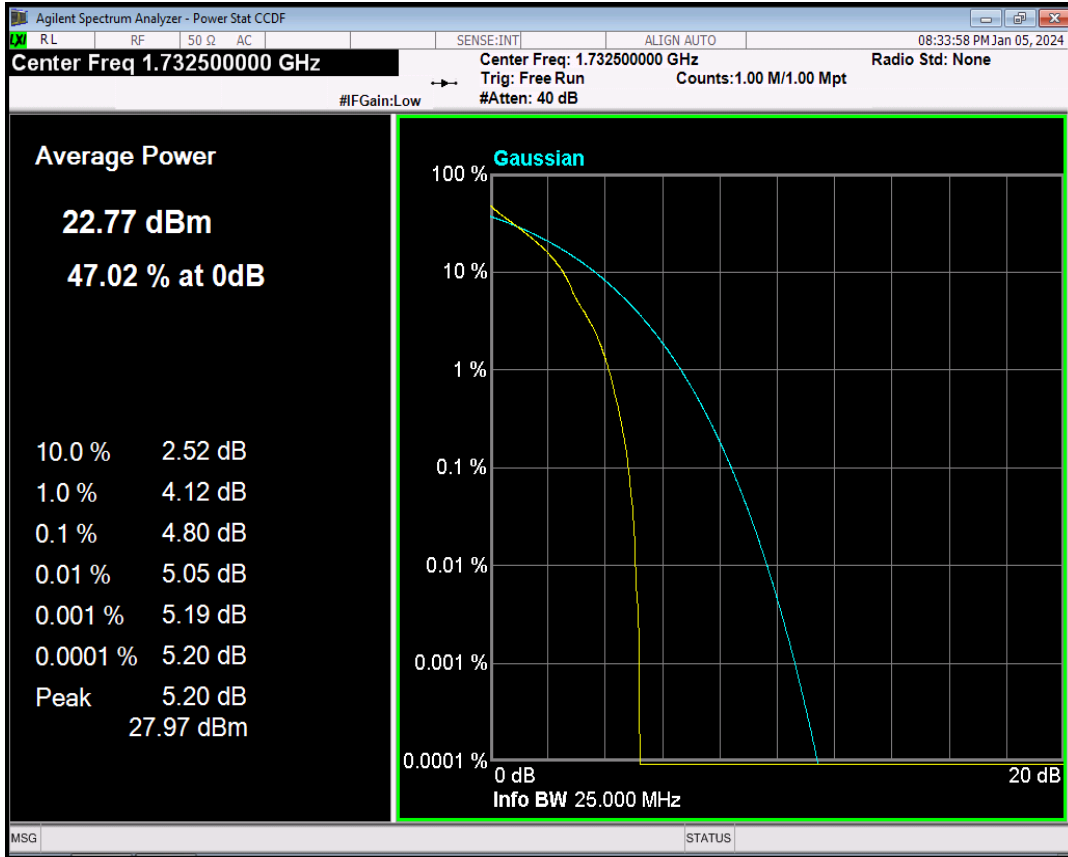




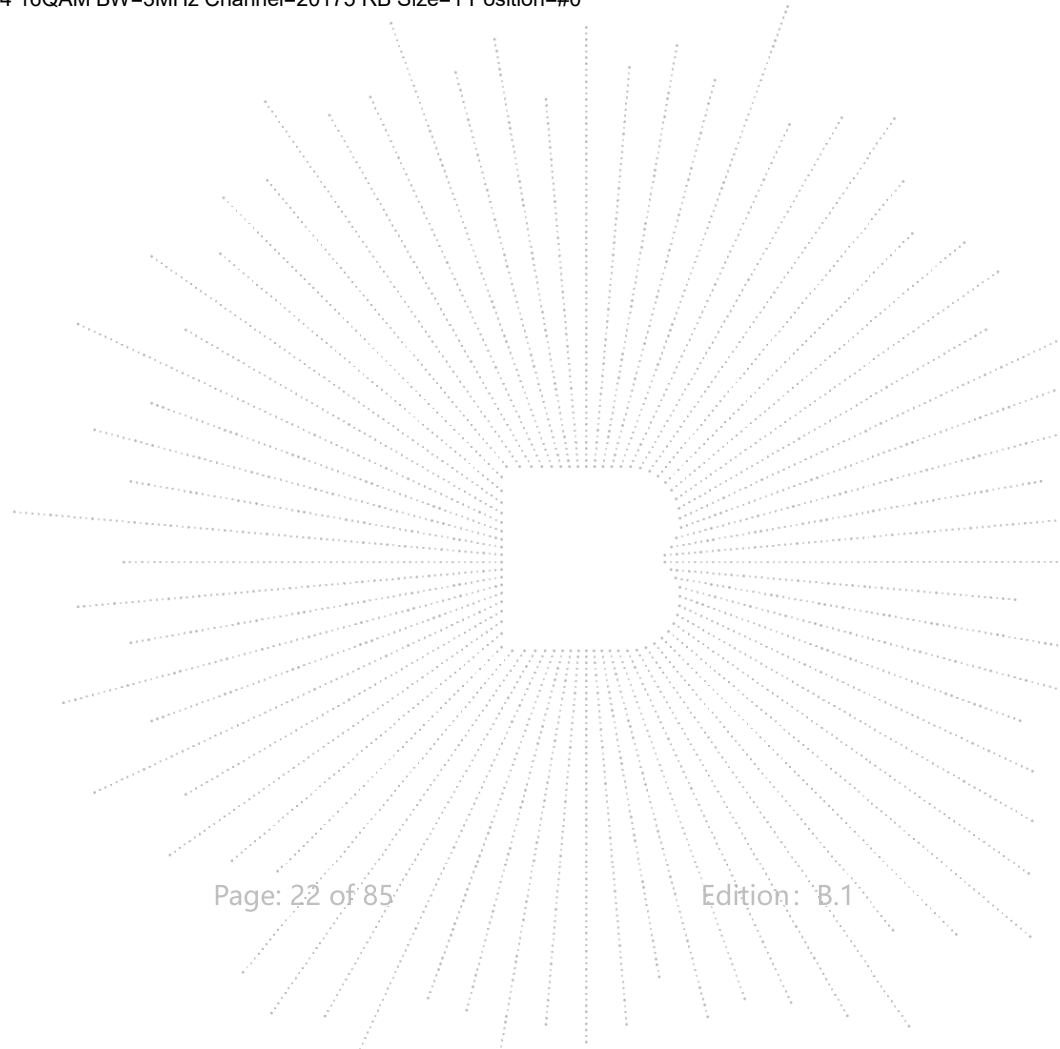
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

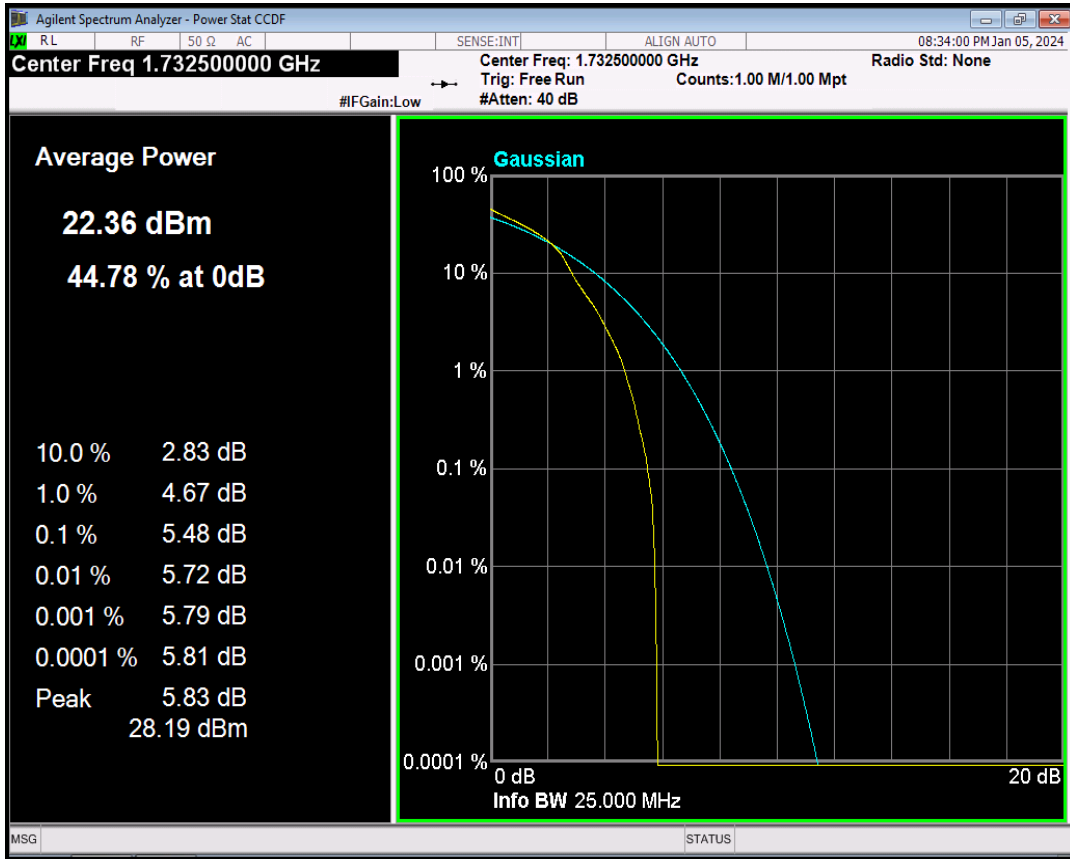


Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0

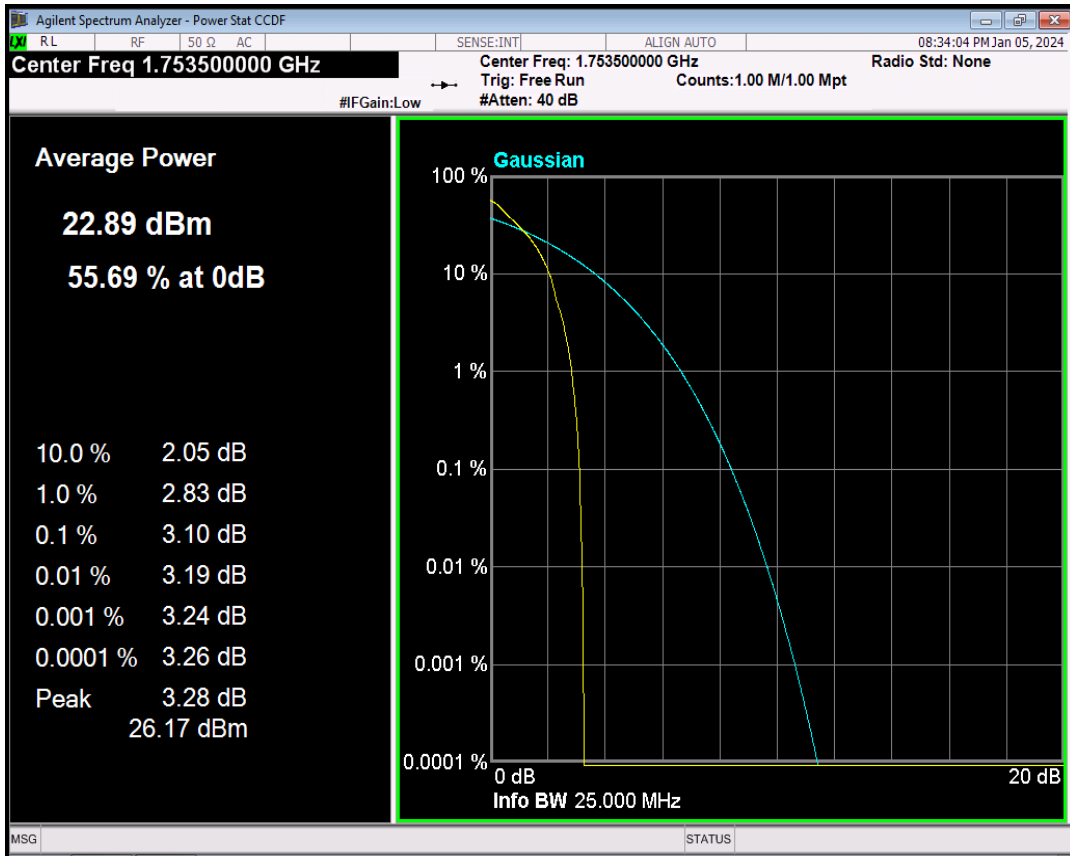


Band4 16QAM BW=3MHz Channel=20175 RB Size= 1 Position=#0

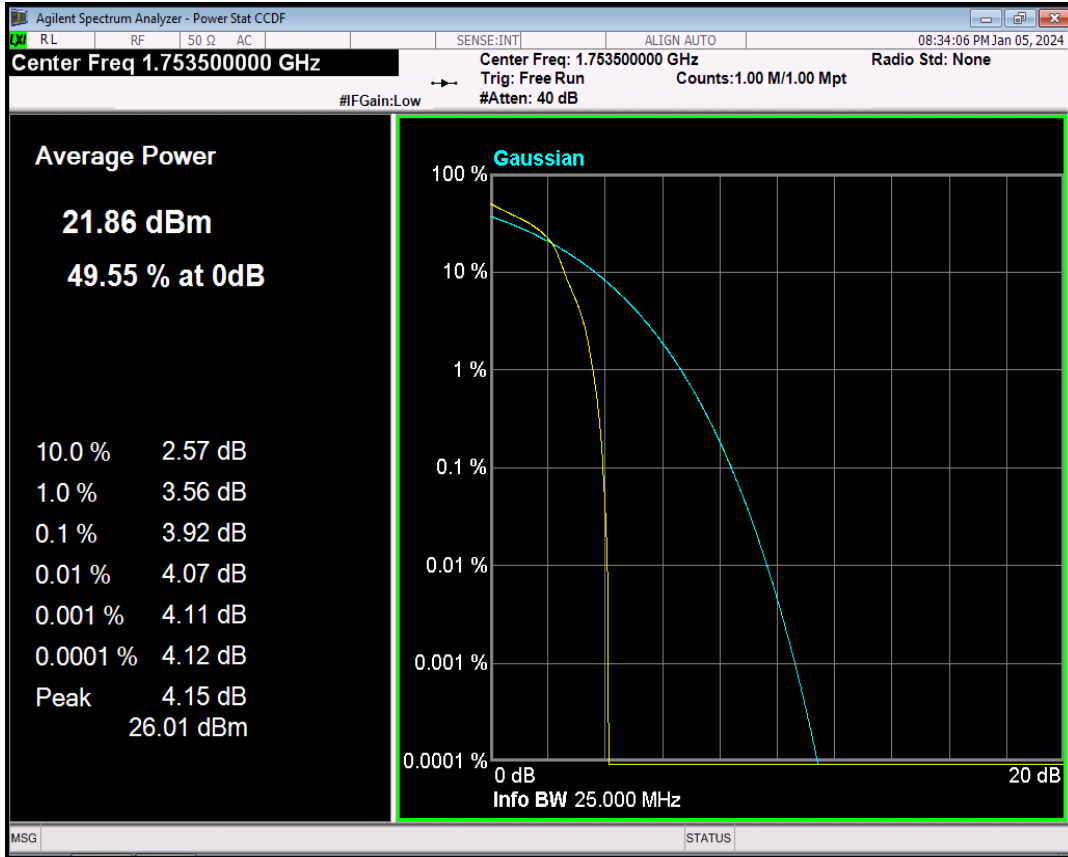




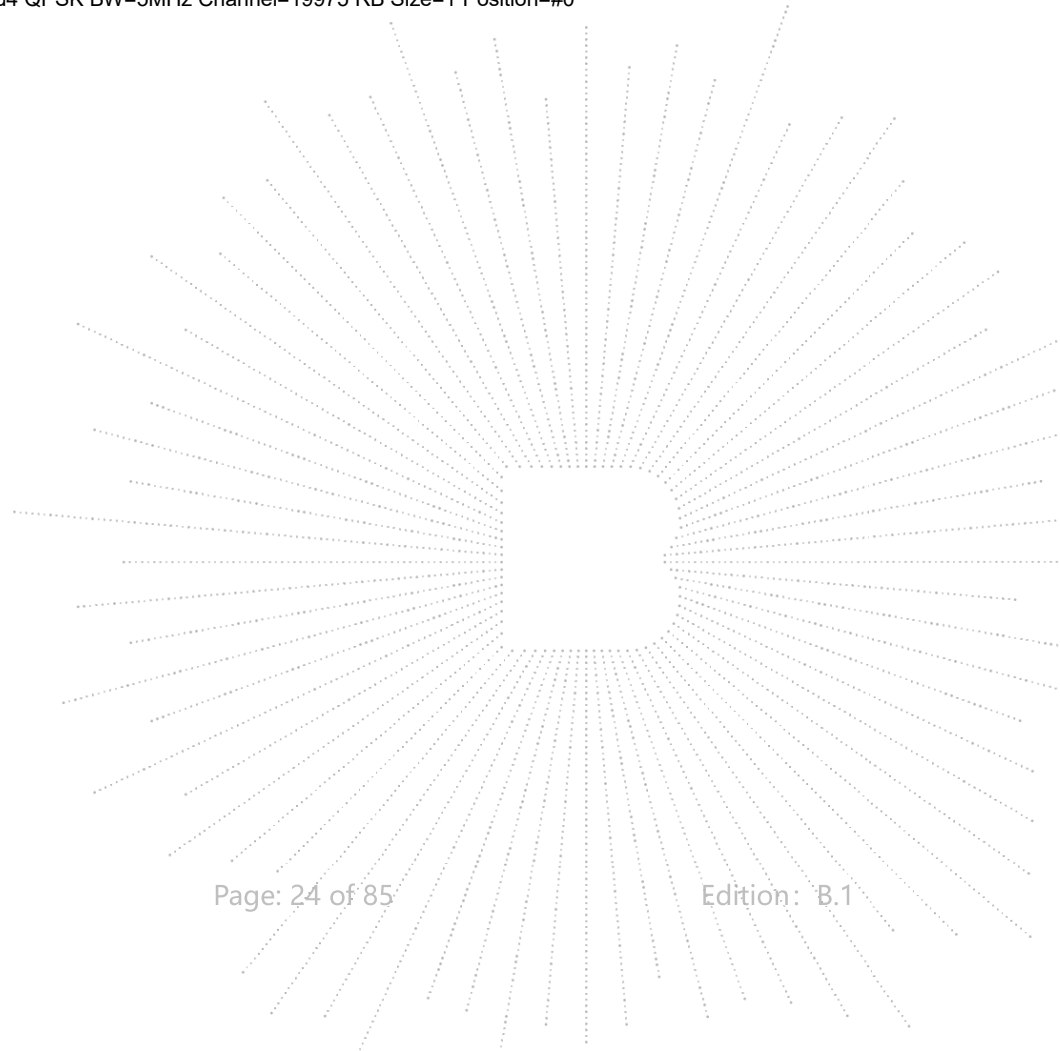
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



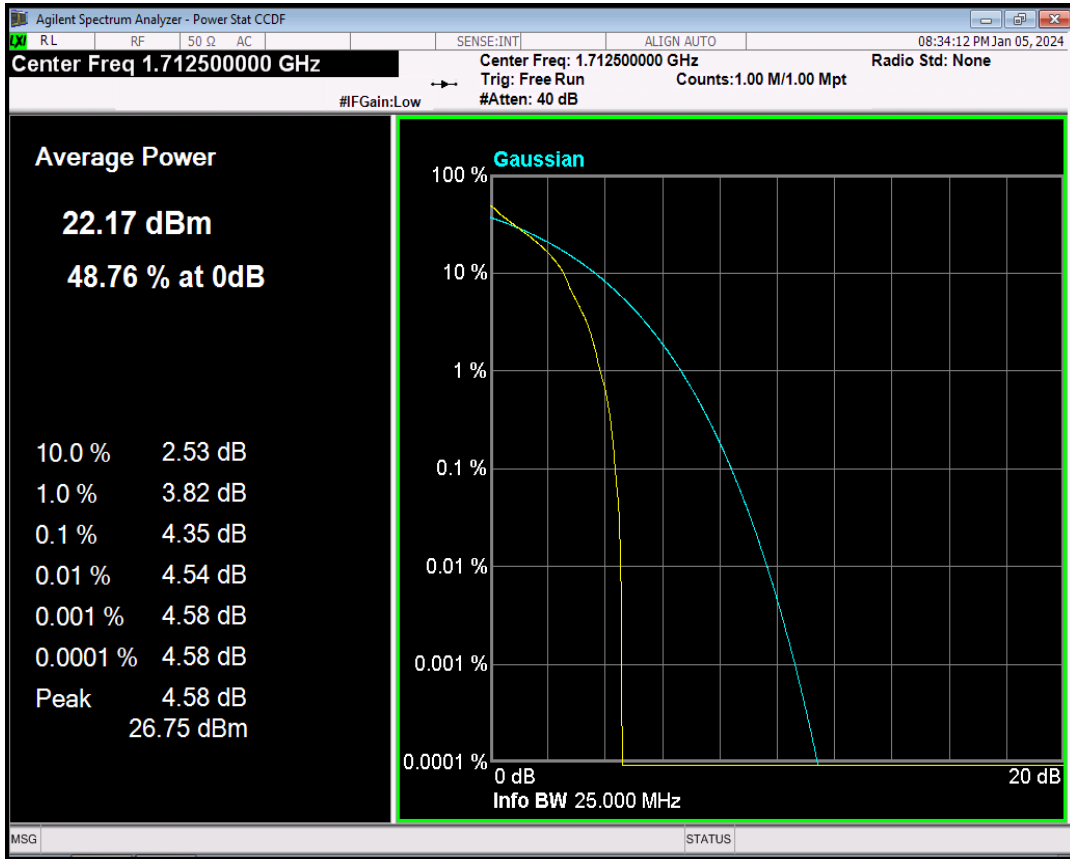
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



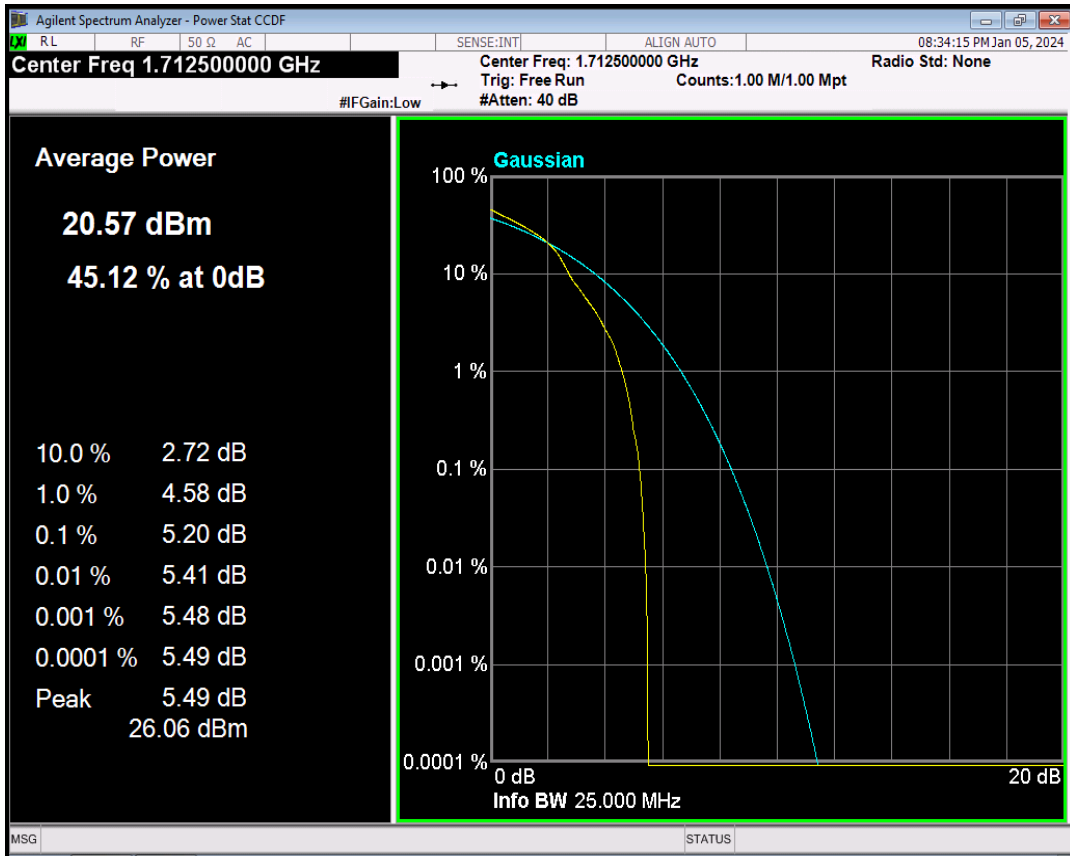
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



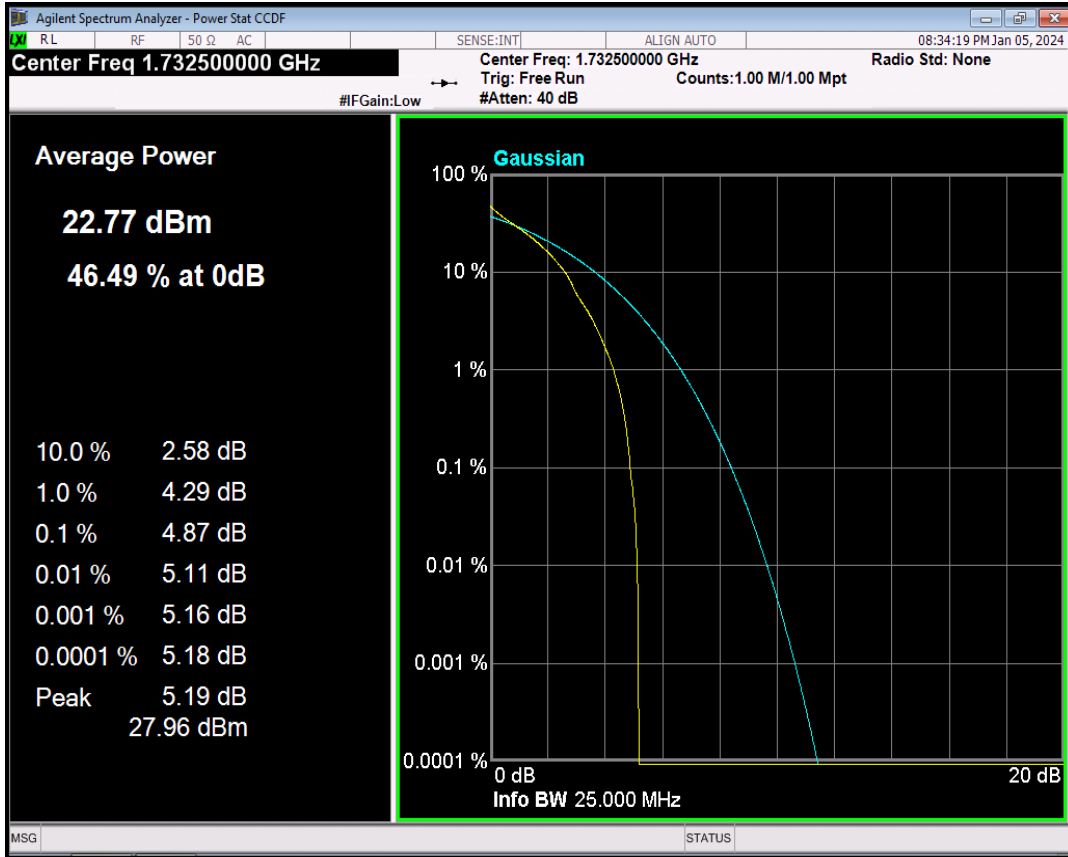




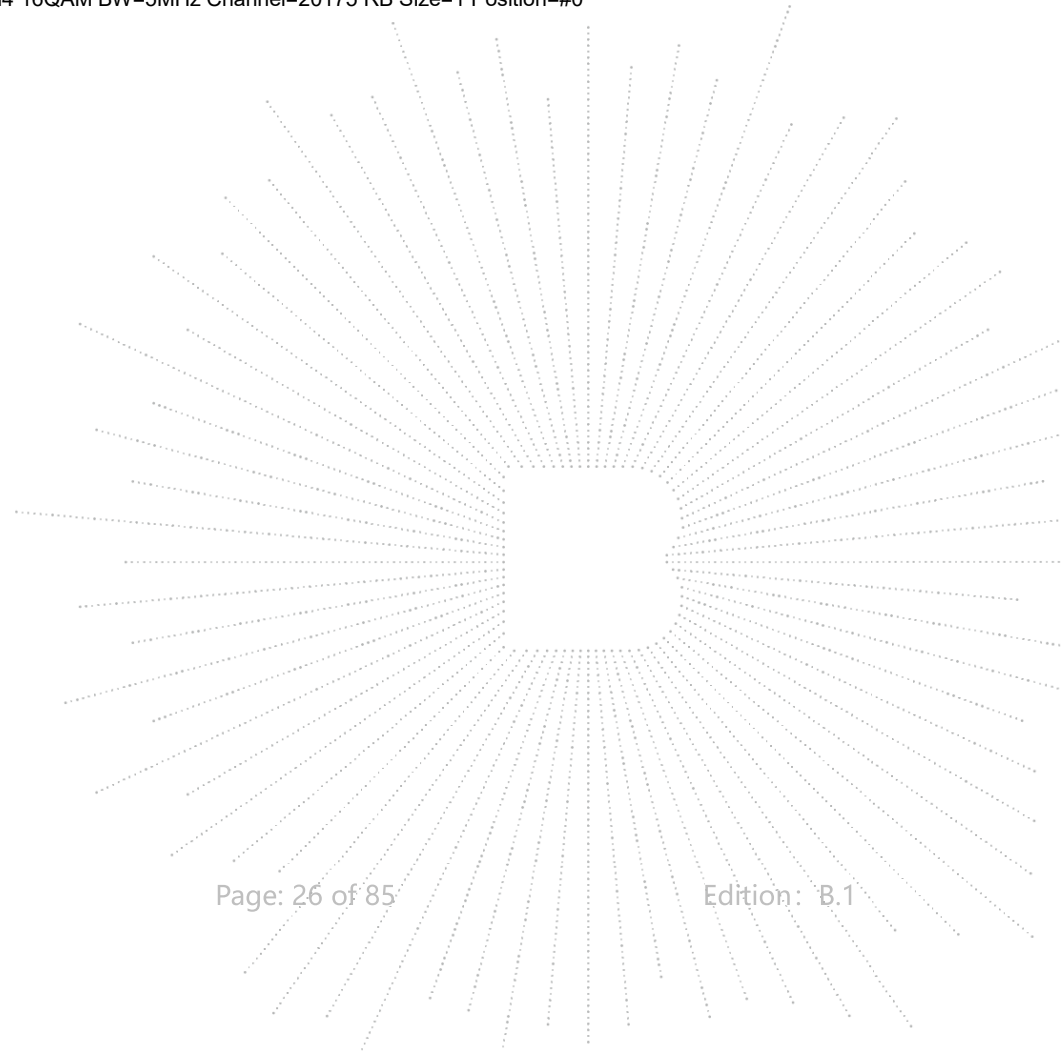
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

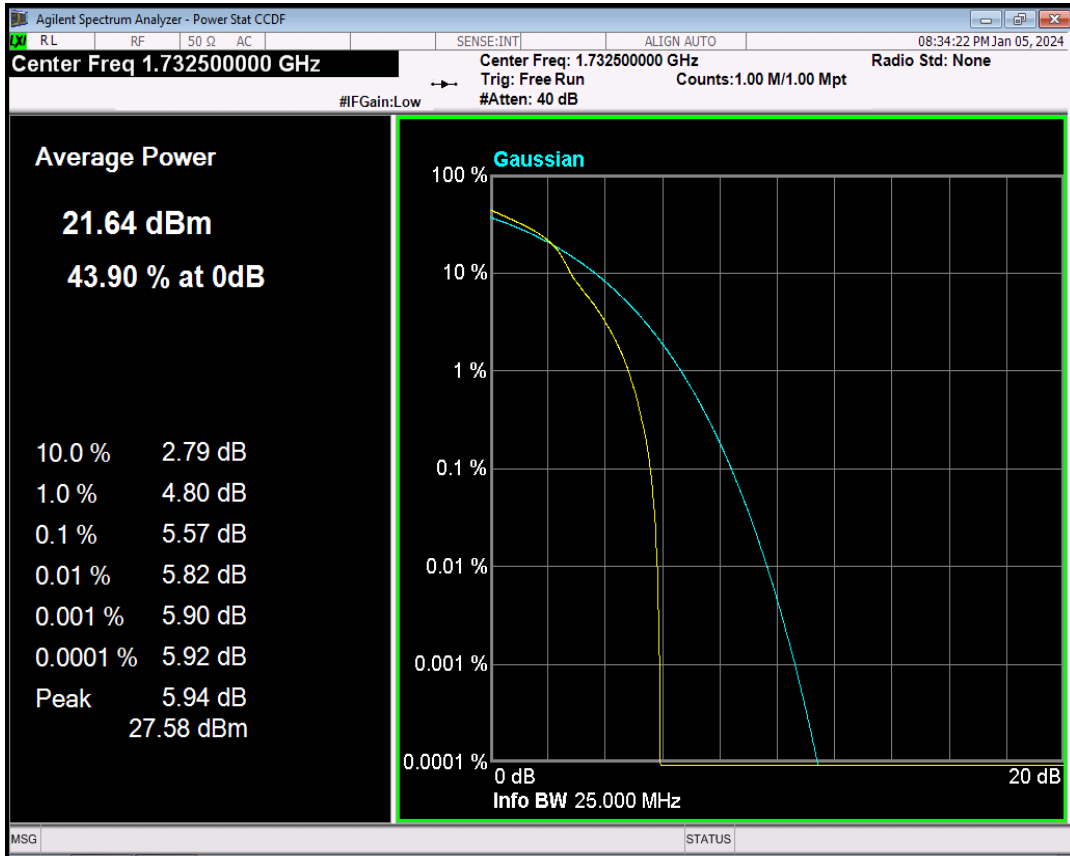


Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

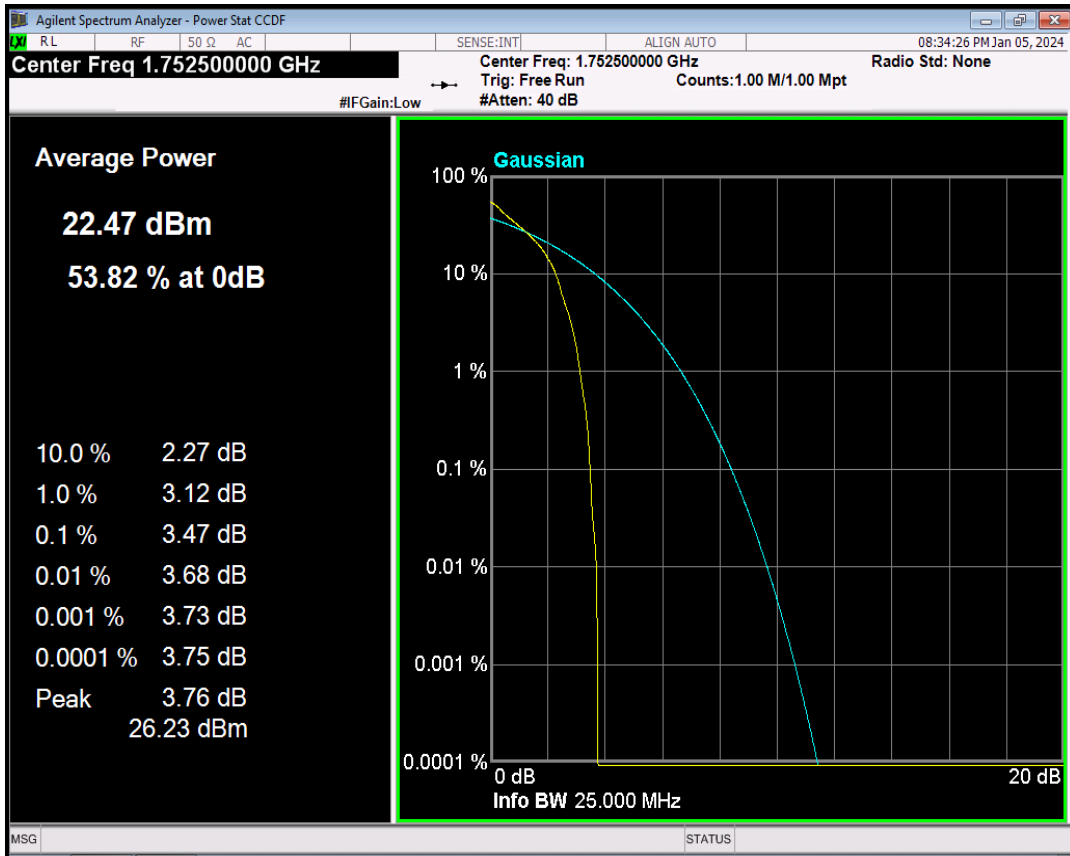


Band4 16QAM BW=5MHz Channel=20175 RB Size= 1 Position=#0

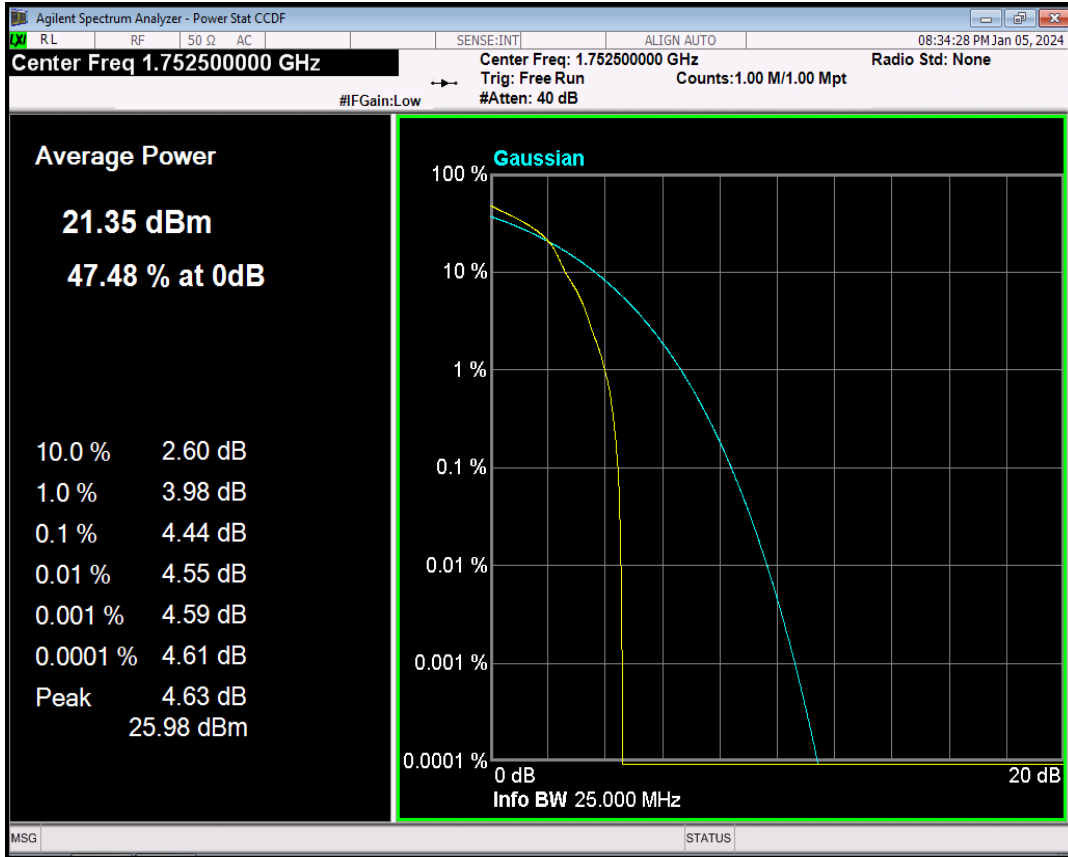




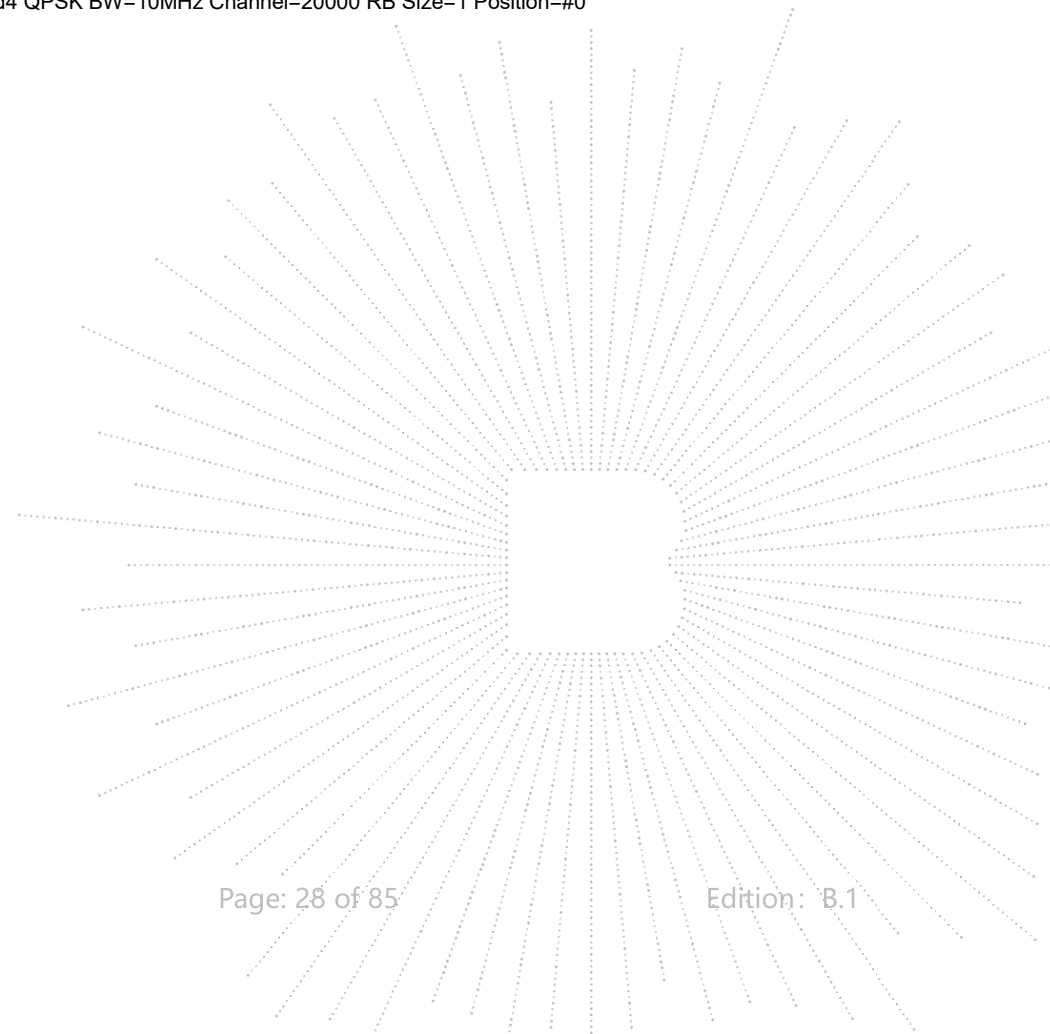
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

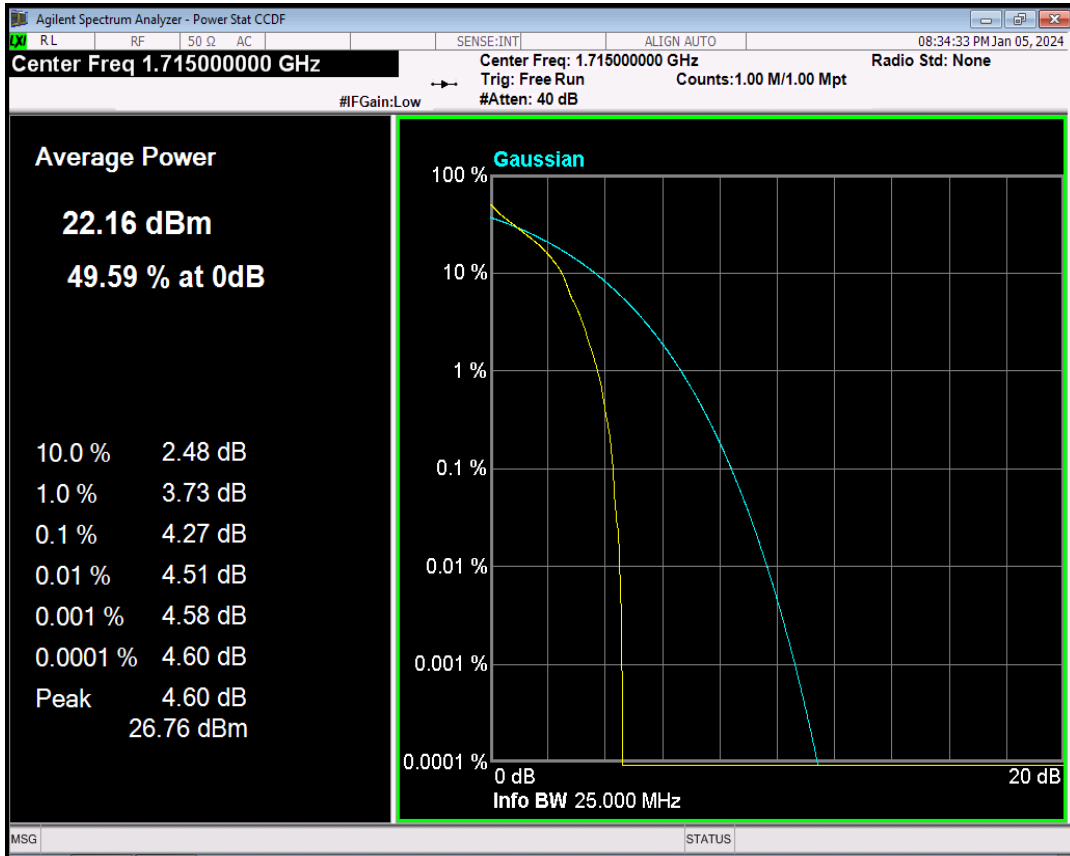


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

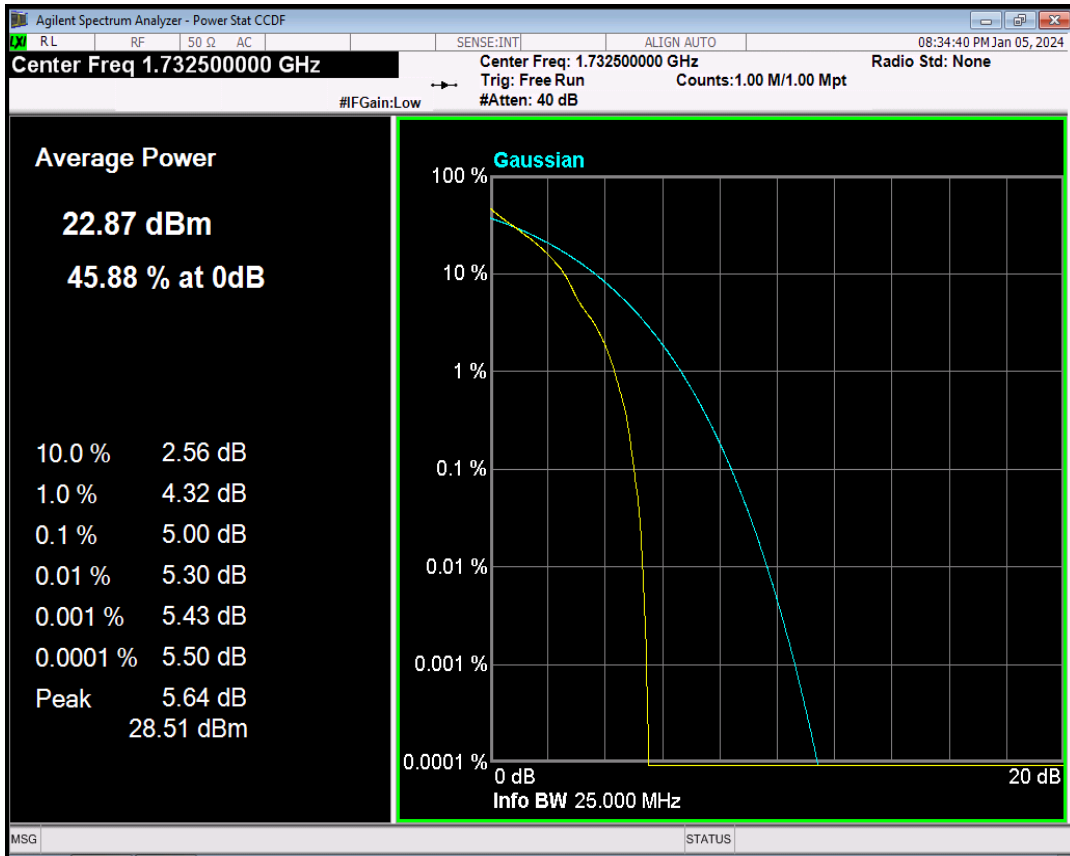


Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



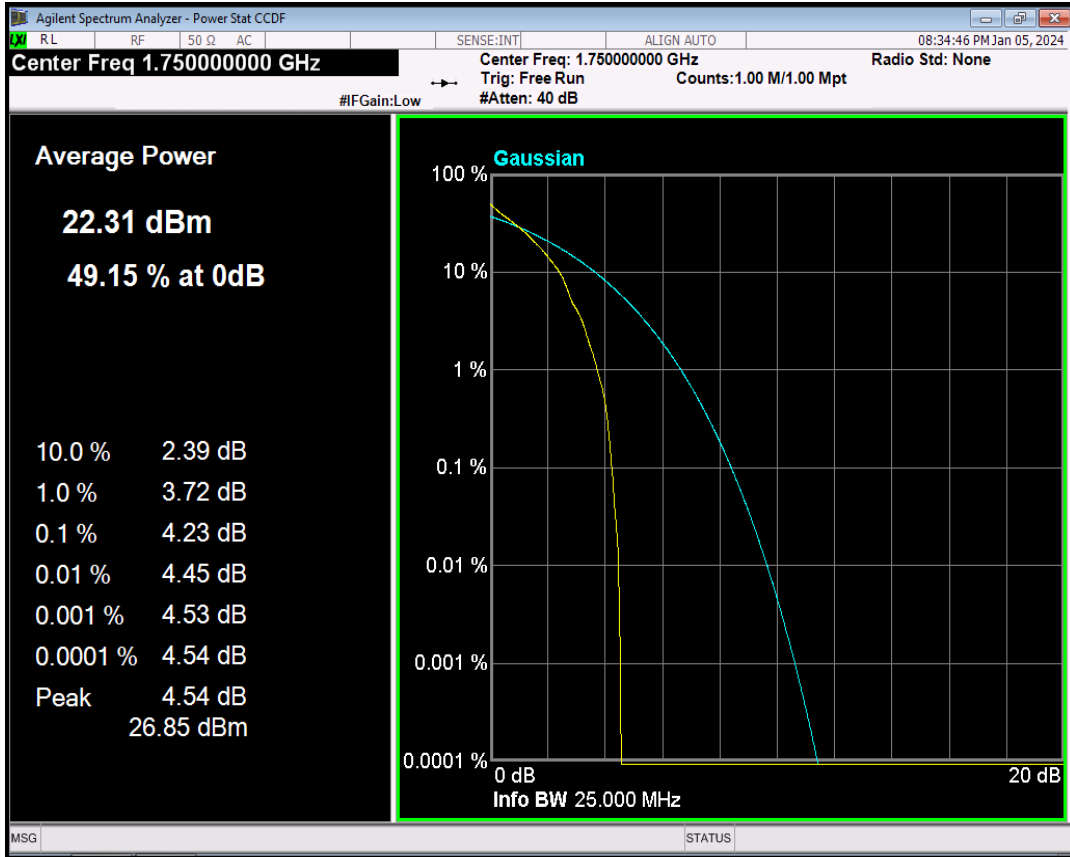


Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

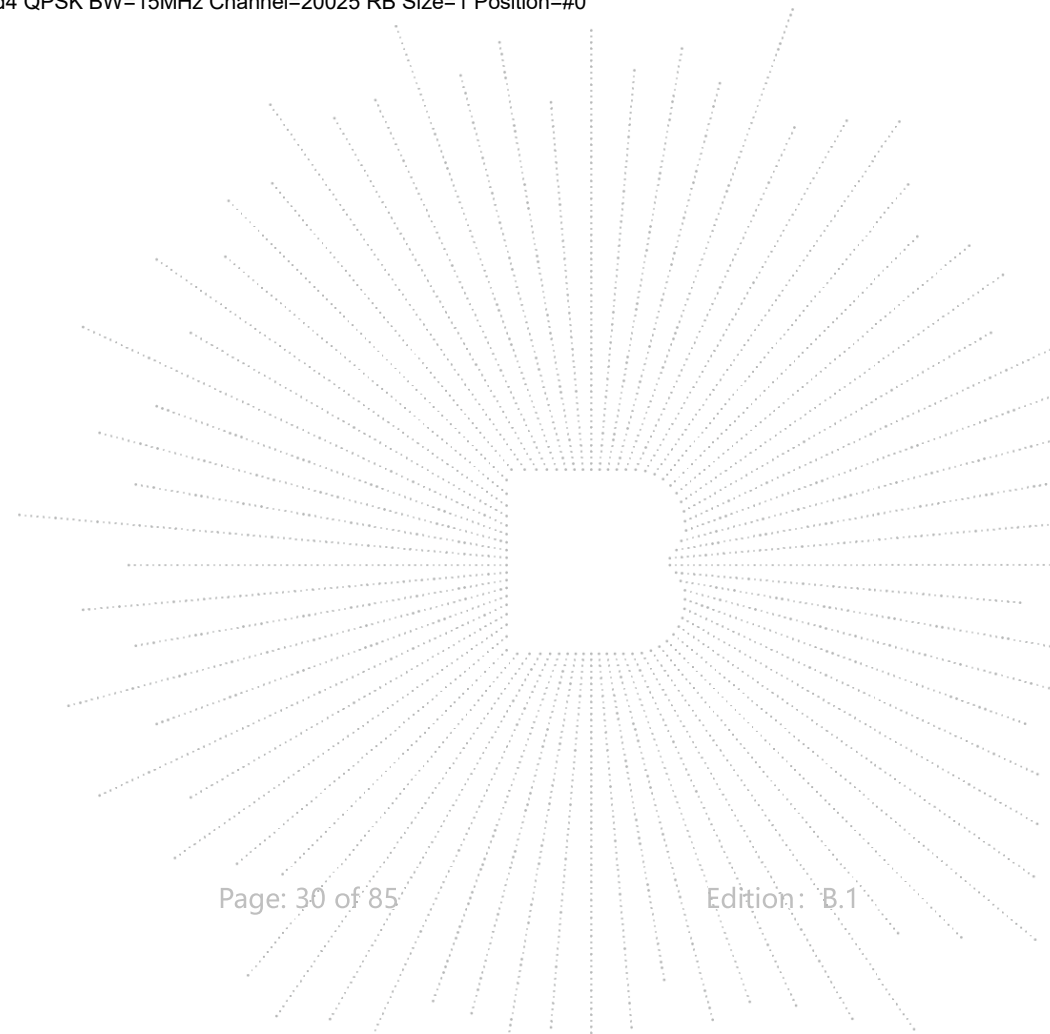


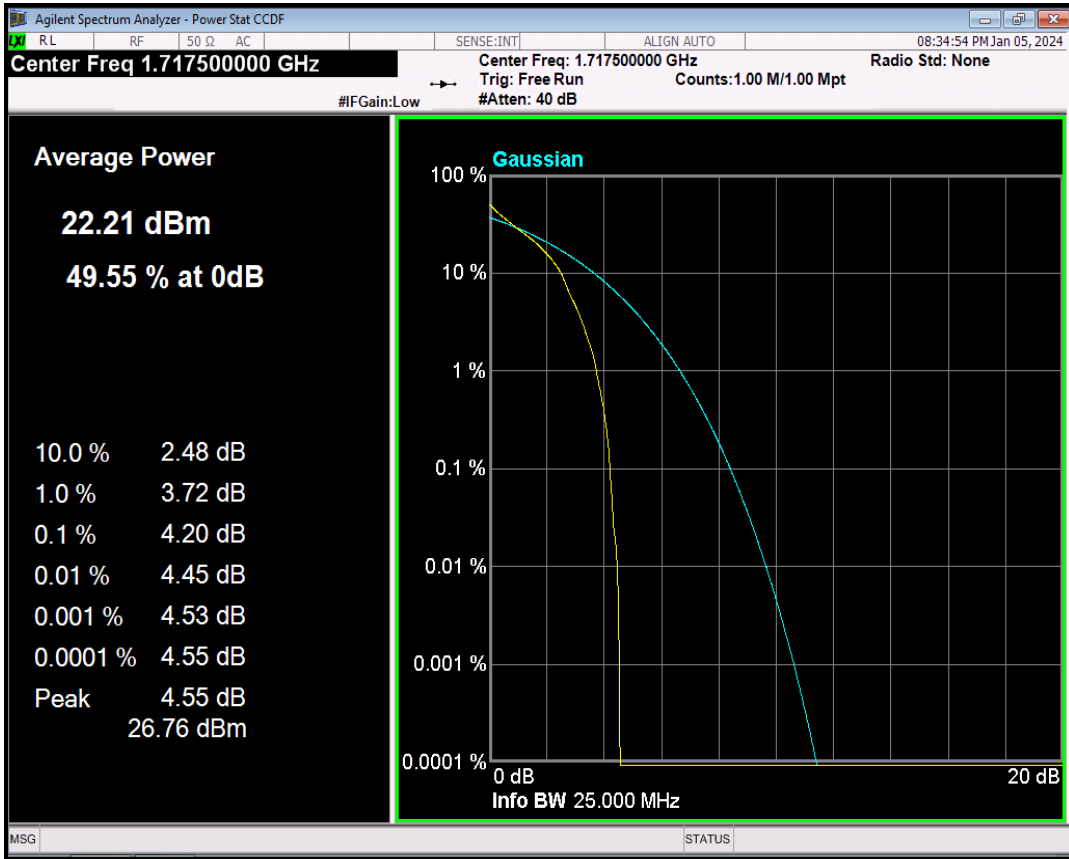


Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

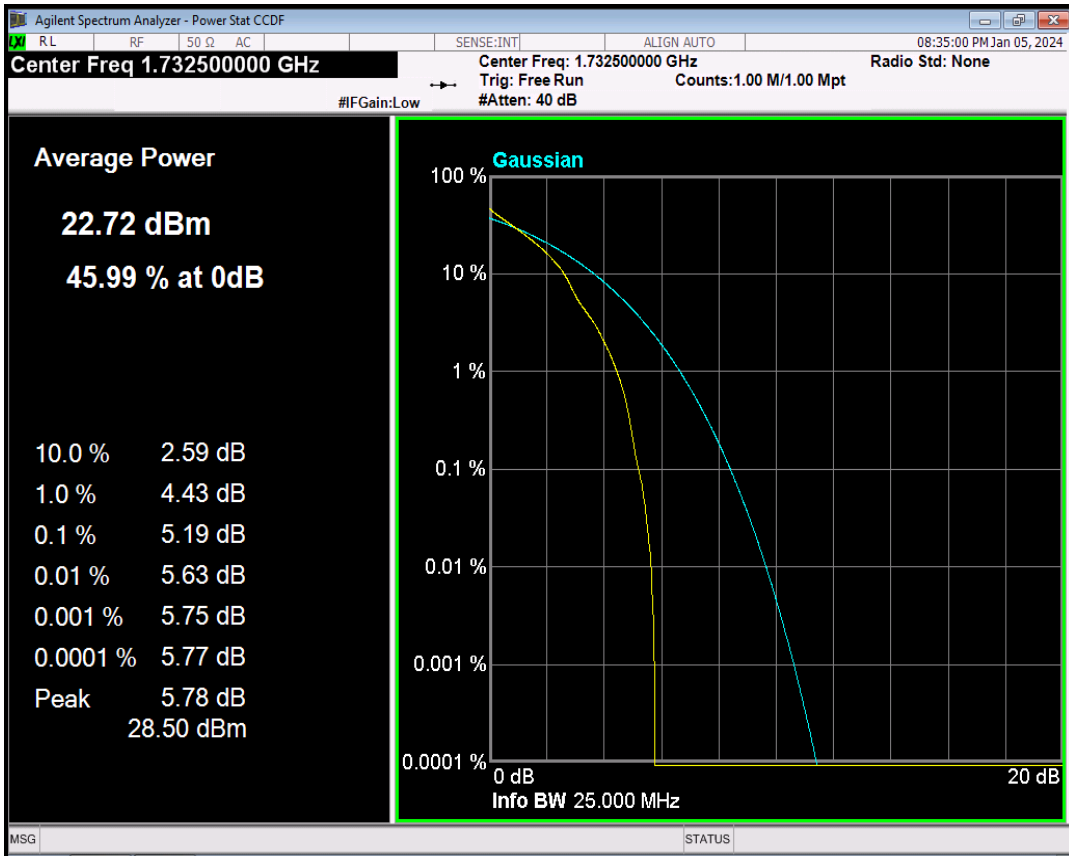


Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



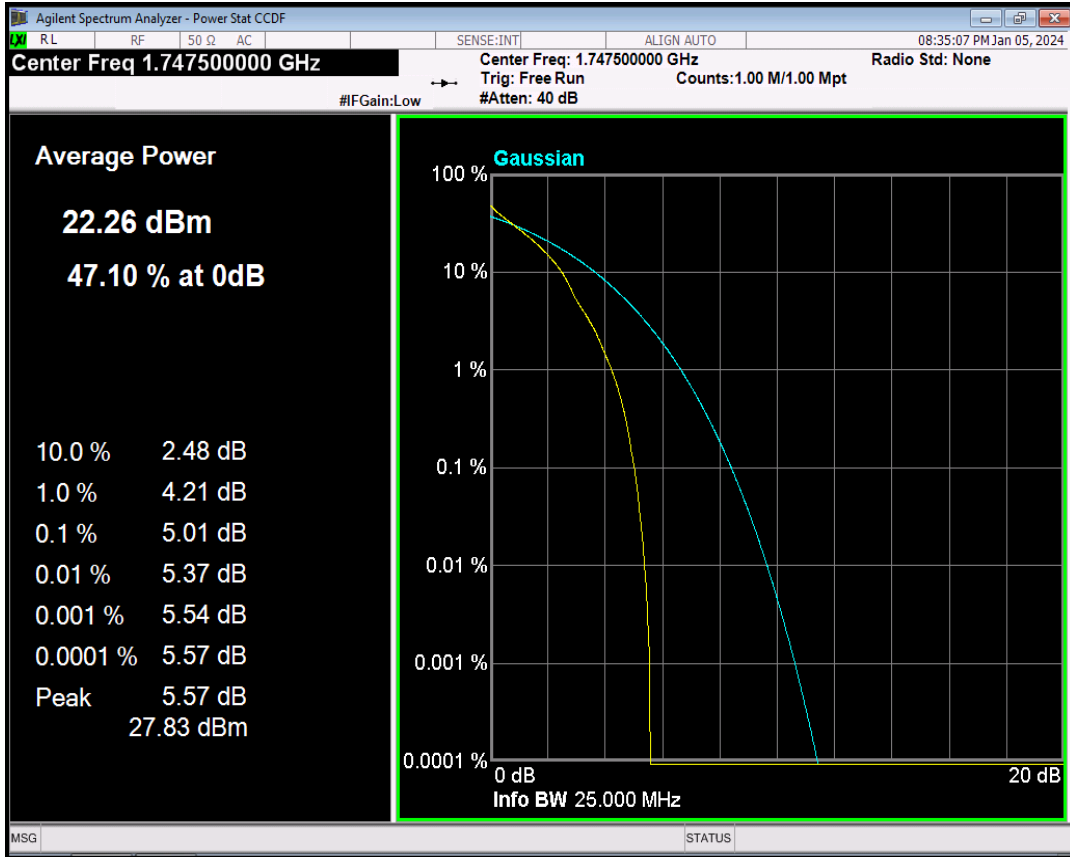


Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

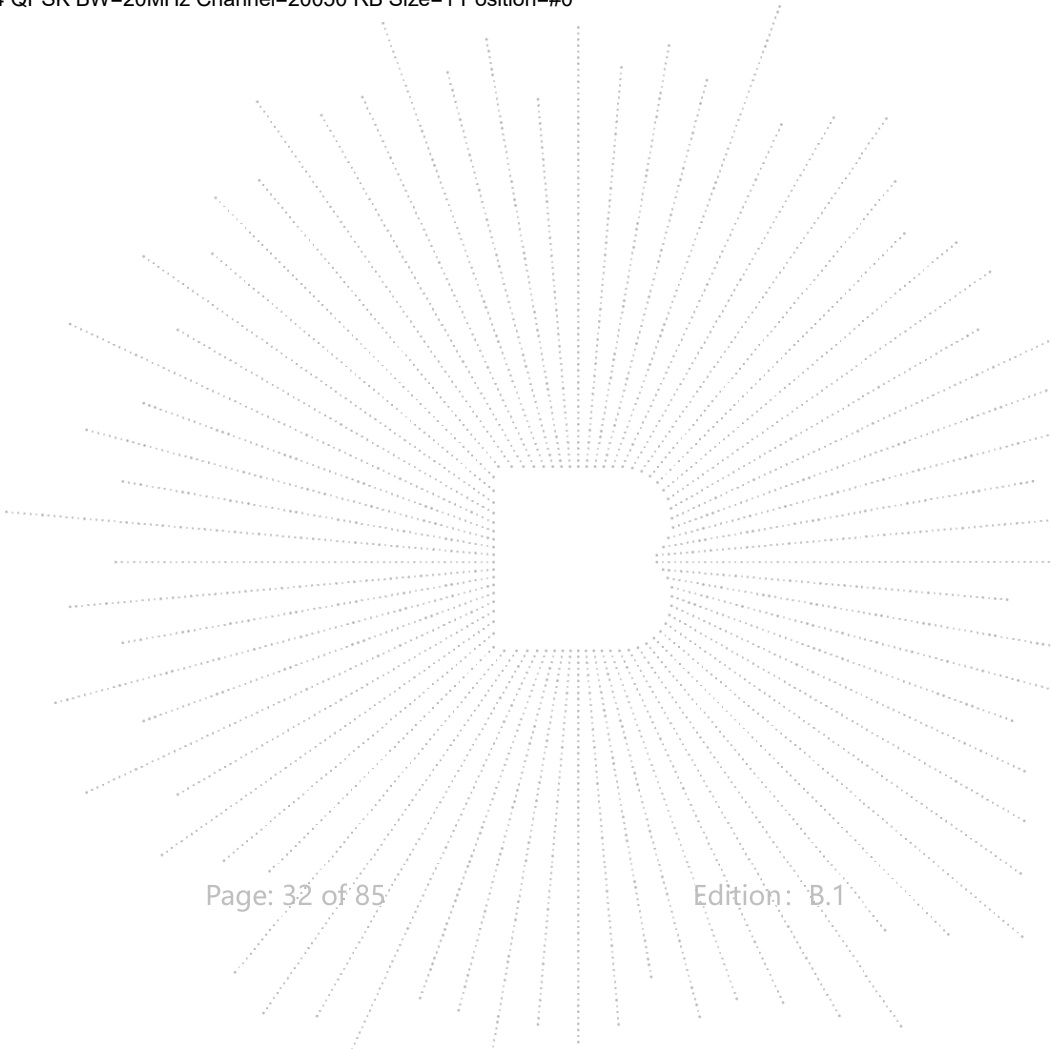




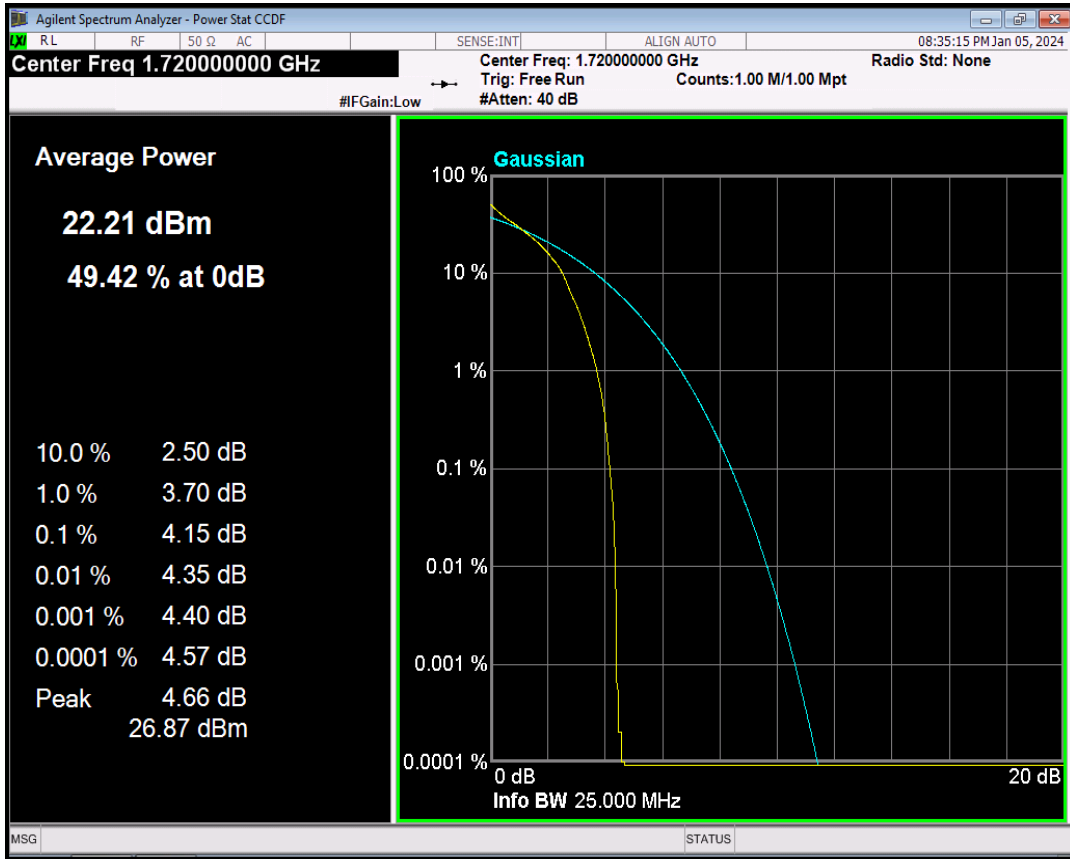
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



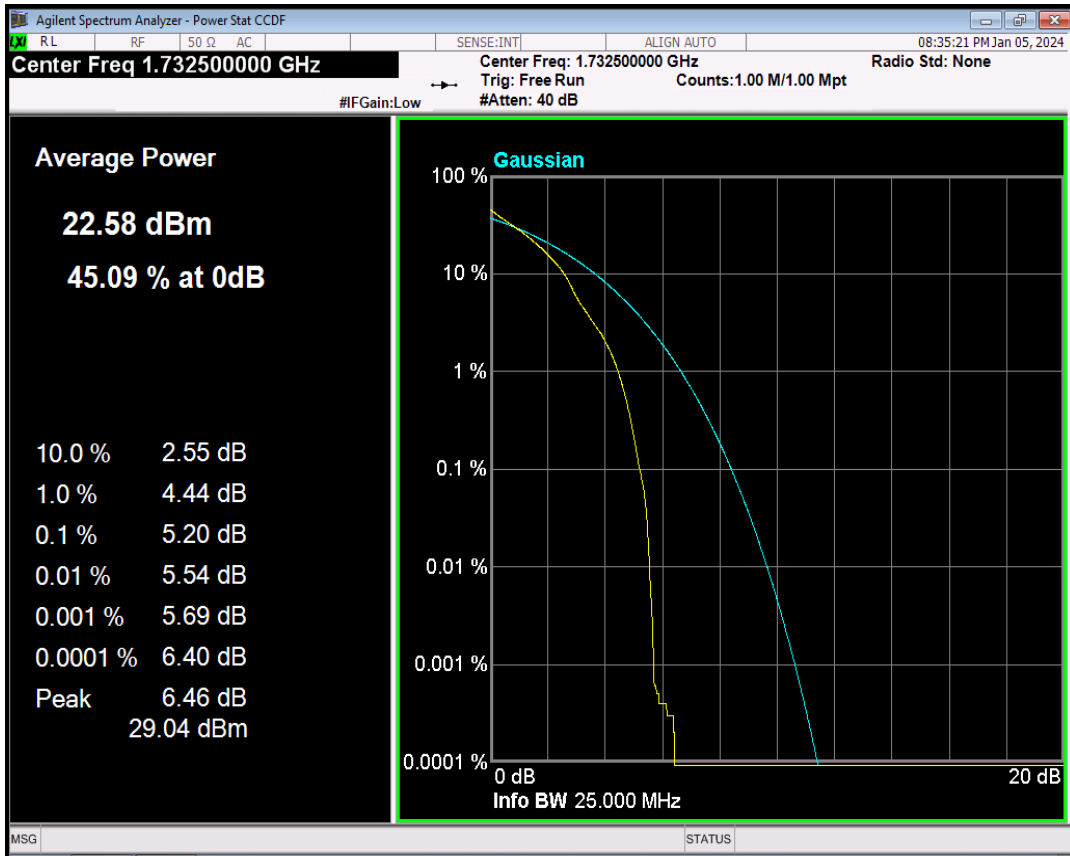
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0





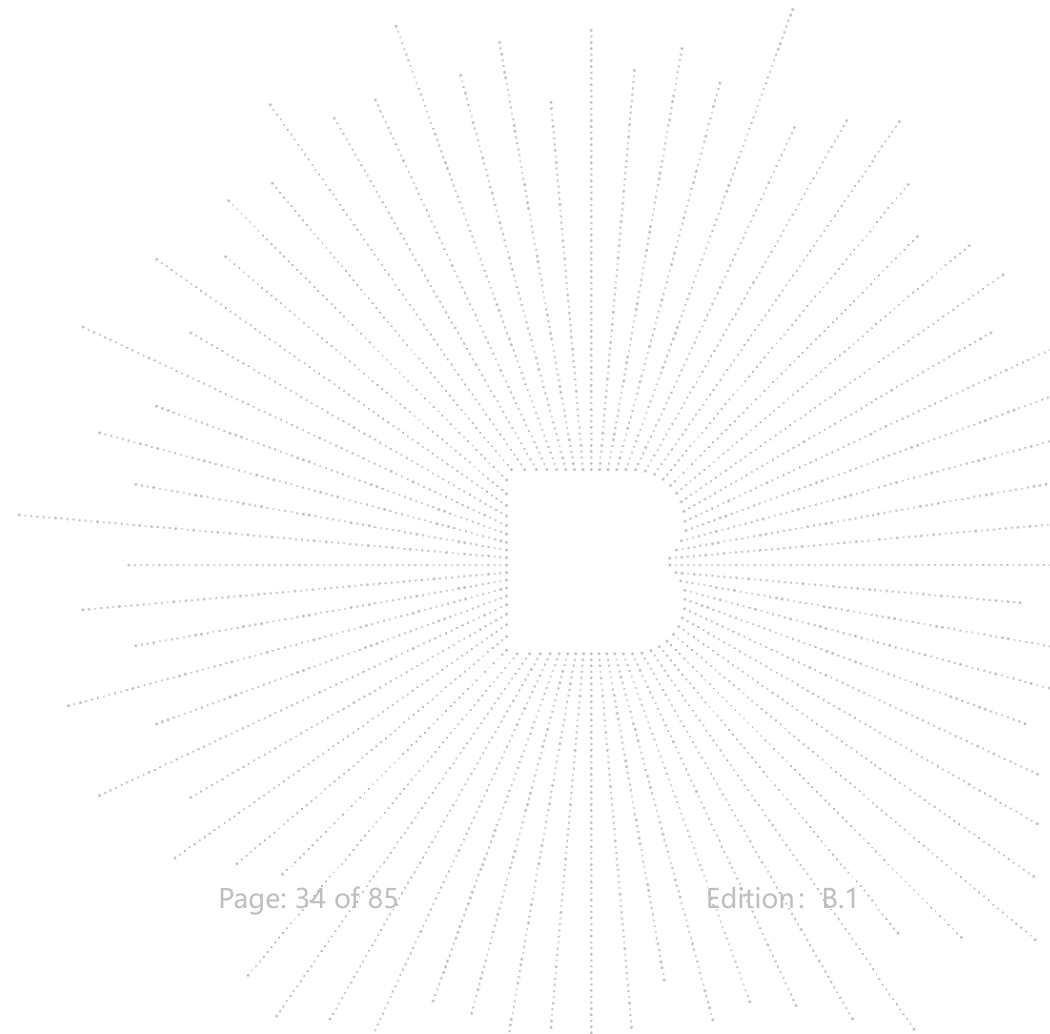
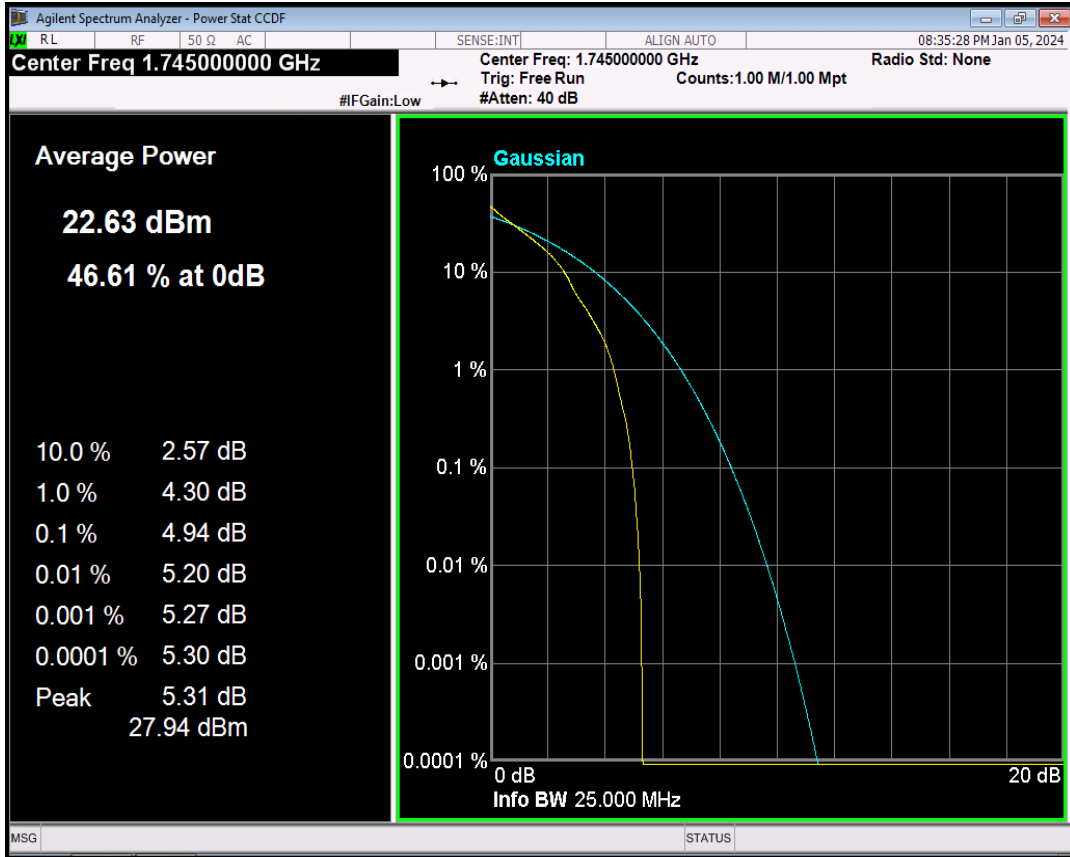


Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0





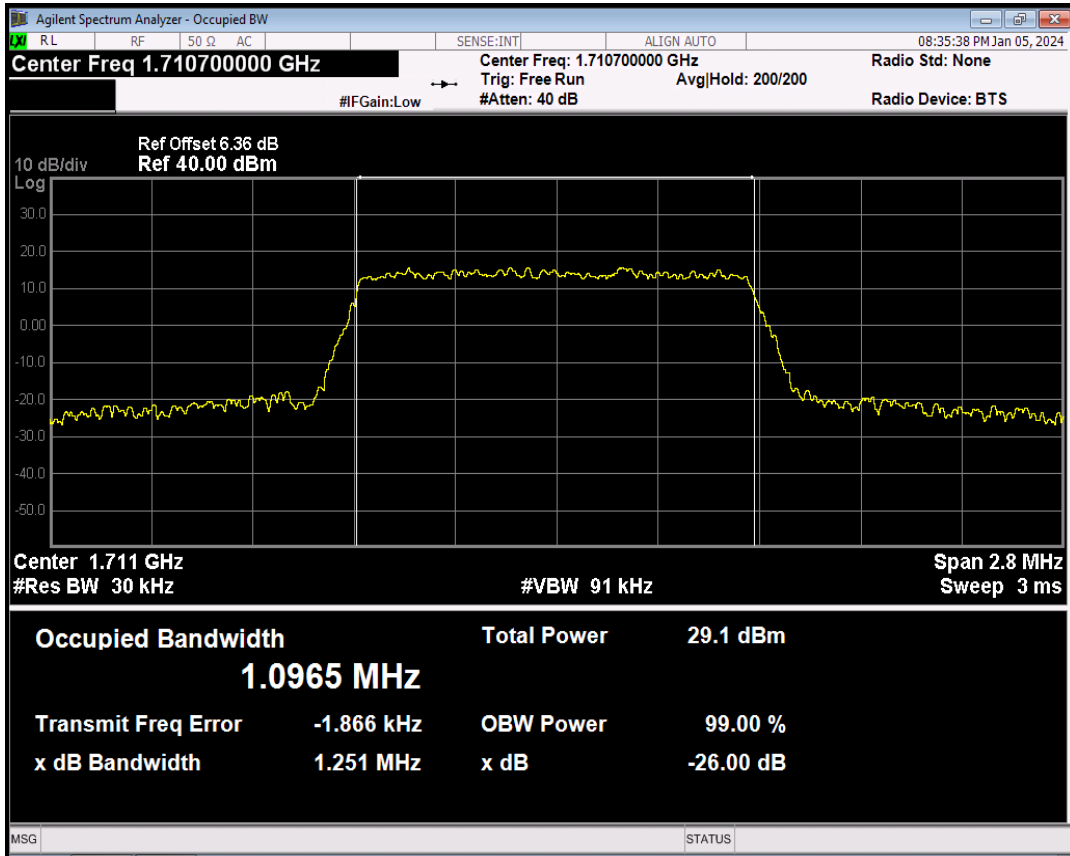
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



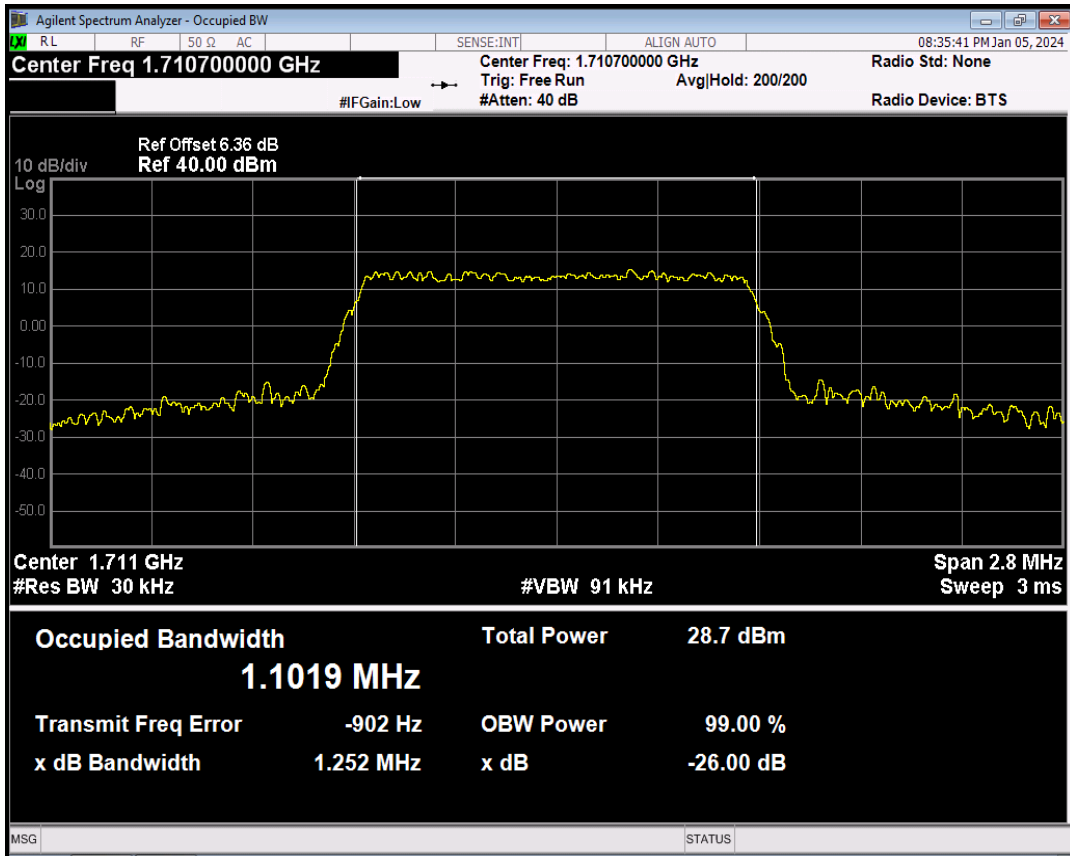
**Appendix 4. Occupied bandwidth**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.096	1.251	PASS
Band4	1.4	19957	6	#0	16QAM	1.102	1.252	PASS
Band4	1.4	20175	6	#0	QPSK	1.099	1.250	PASS
Band4	1.4	20175	6	#0	16QAM	1.092	1.246	PASS
Band4	1.4	20393	6	#0	QPSK	1.103	1.257	PASS
Band4	1.4	20393	6	#0	16QAM	1.108	1.250	PASS
Band4	3	19965	15	#0	QPSK	2.711	3.056	PASS
Band4	3	19965	15	#0	16QAM	2.698	3.073	PASS
Band4	3	20175	15	#0	QPSK	2.710	3.049	PASS
Band4	3	20175	15	#0	16QAM	2.700	3.027	PASS
Band4	3	20385	15	#0	QPSK	2.724	3.022	PASS
Band4	3	20385	15	#0	16QAM	2.706	3.149	PASS
Band4	5	19975	25	#0	QPSK	4.518	4.896	PASS
Band4	5	19975	25	#0	16QAM	4.513	4.950	PASS
Band4	5	20175	25	#0	QPSK	4.509	4.942	PASS
Band4	5	20175	25	#0	16QAM	4.529	4.943	PASS
Band4	5	20375	25	#0	QPSK	4.508	5.004	PASS
Band4	5	20375	25	#0	16QAM	4.523	4.928	PASS
Band4	10	20000	50	#0	QPSK	9.025	9.837	PASS
Band4	10	20175	50	#0	QPSK	8.981	9.865	PASS
Band4	10	20350	50	#0	QPSK	8.997	9.965	PASS
Band4	15	20025	75	#0	QPSK	13.505	14.808	PASS
Band4	15	20175	75	#0	QPSK	13.454	14.718	PASS
Band4	15	20325	75	#0	QPSK	13.491	14.856	PASS
Band4	20	20050	100	#0	QPSK	18.084	19.632	PASS
Band4	20	20175	100	#0	QPSK	17.961	19.493	PASS
Band4	20	20300	100	#0	QPSK	18.048	19.684	PASS

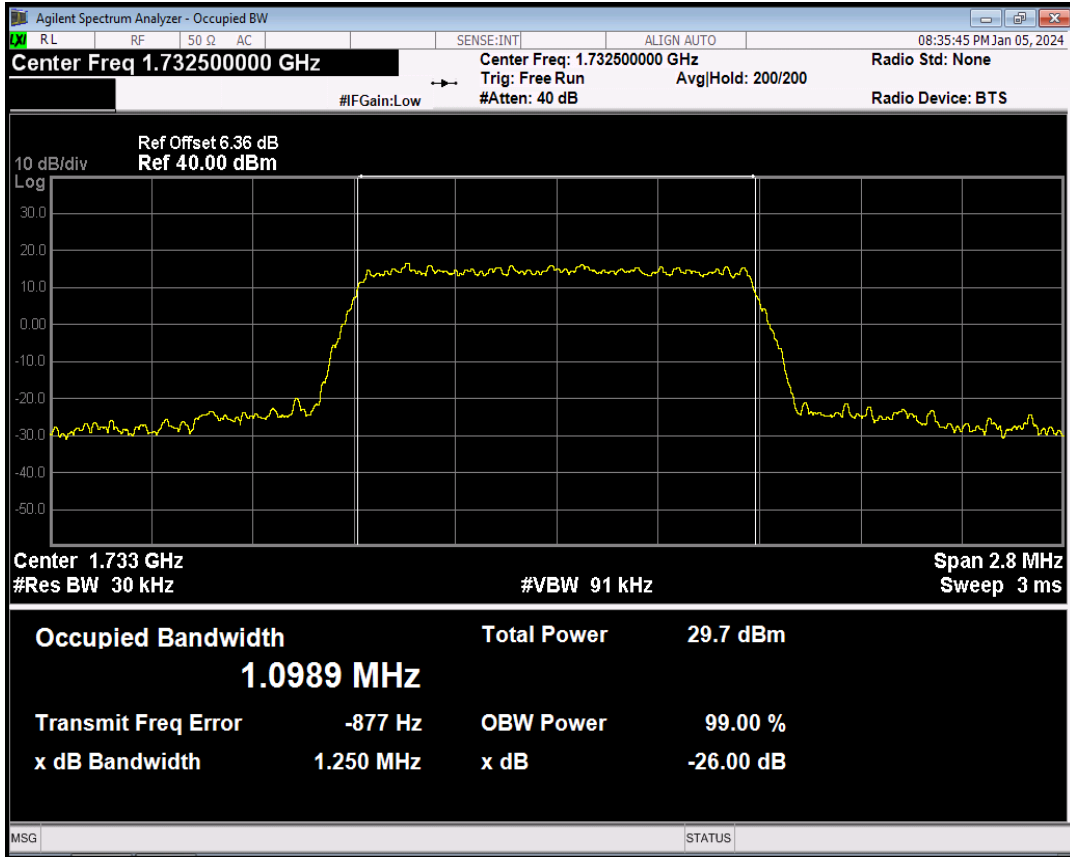
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



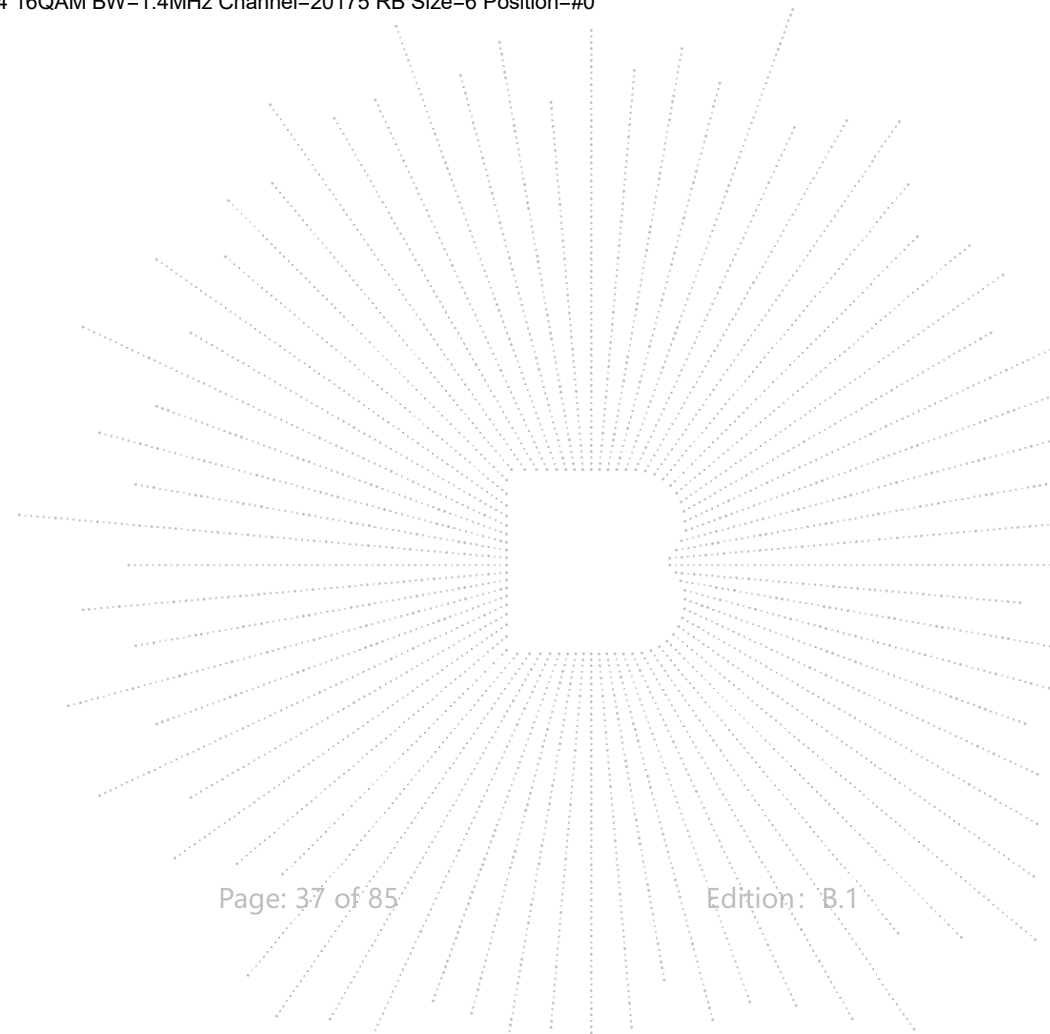
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

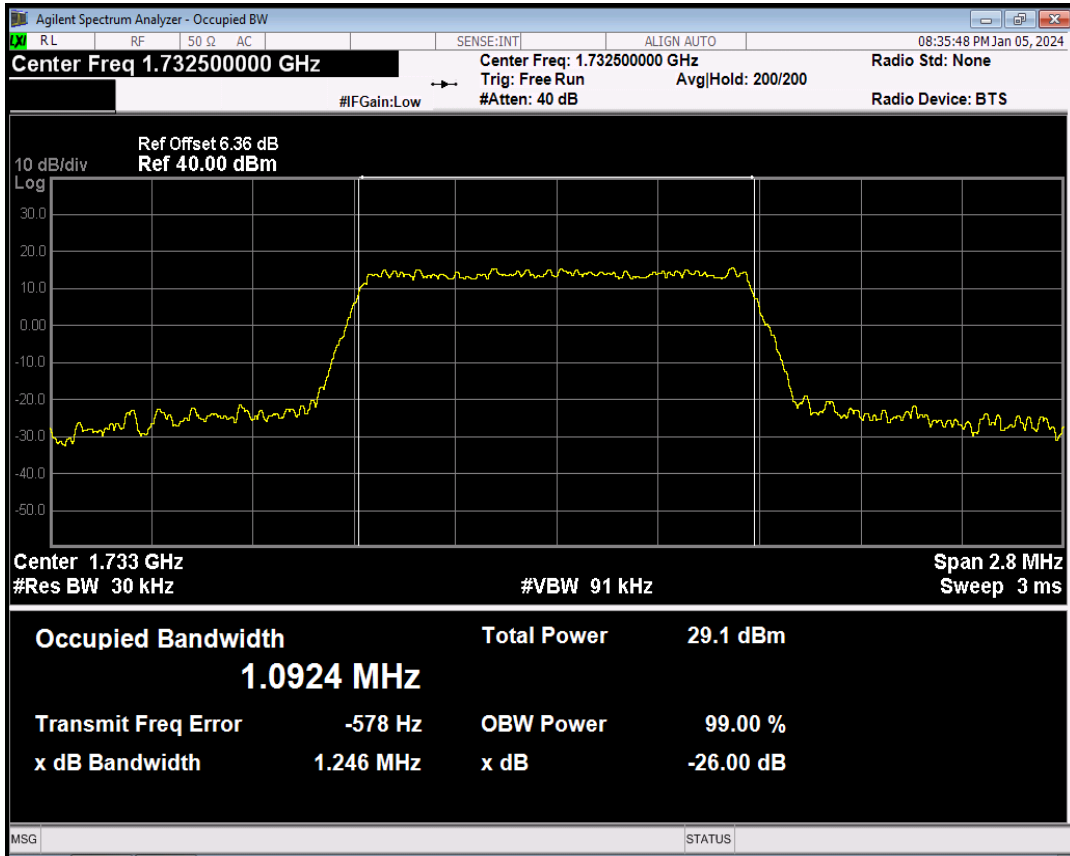


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

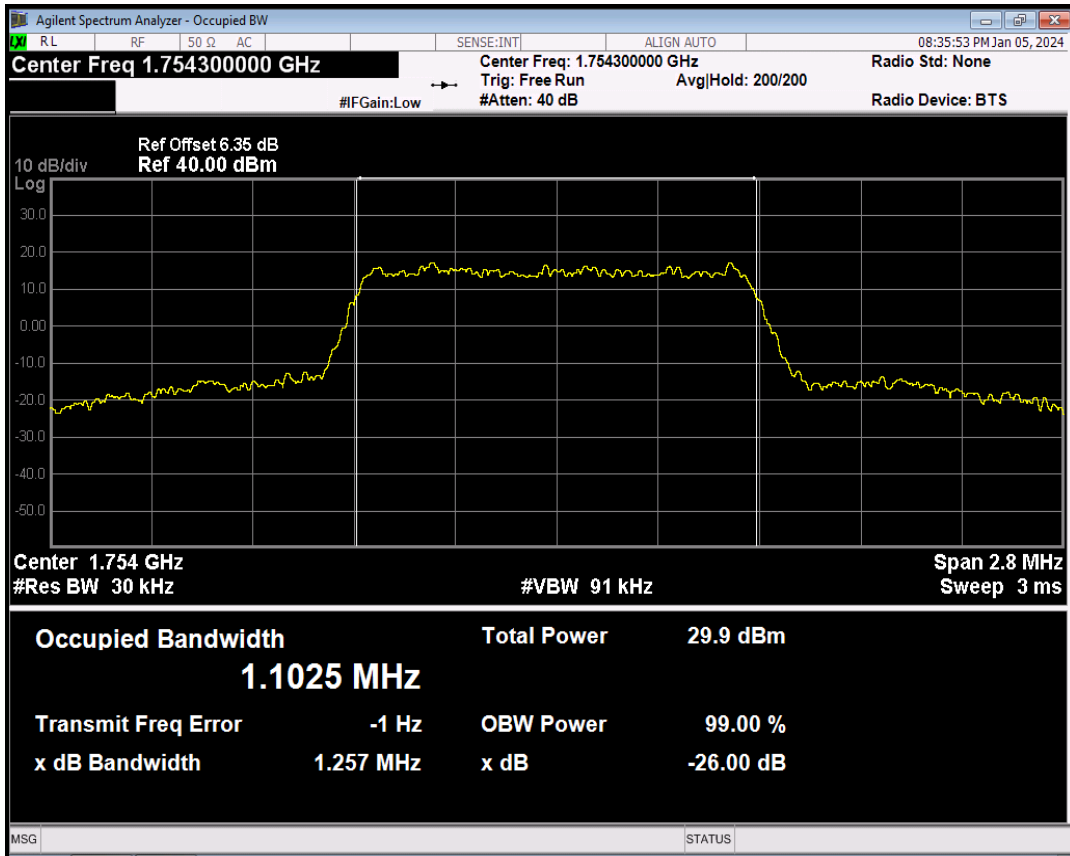


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

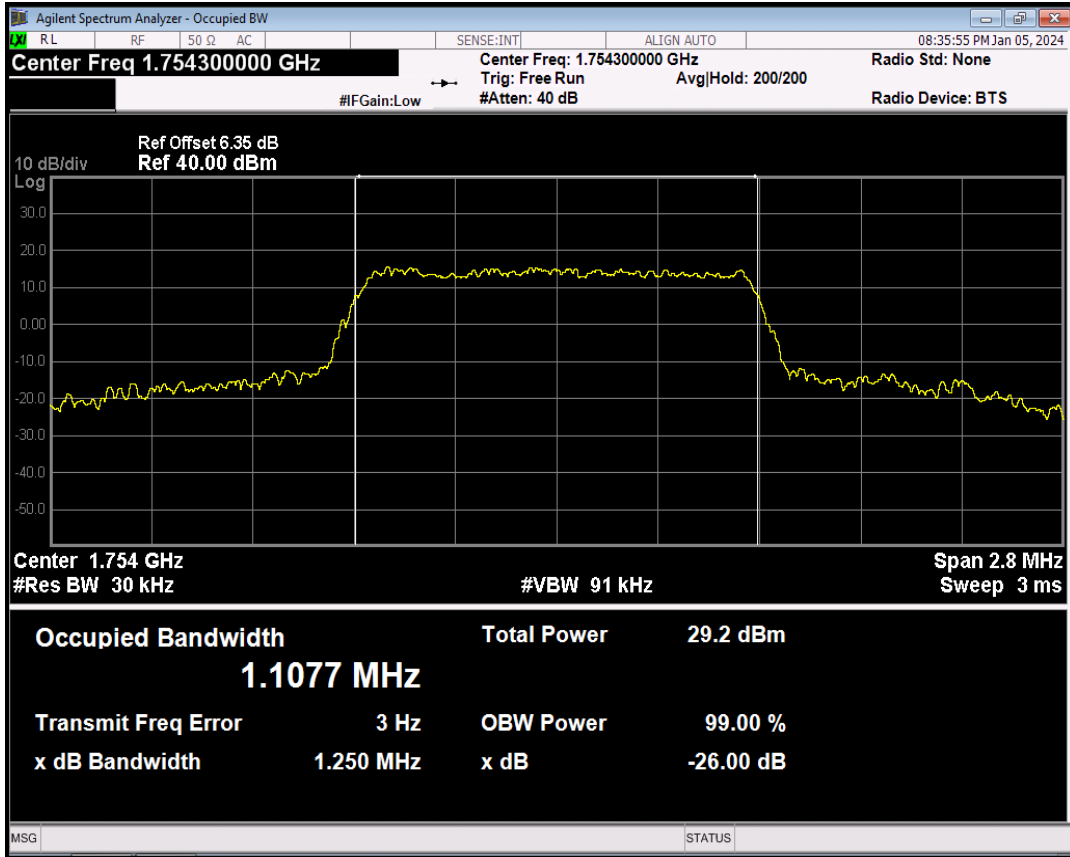




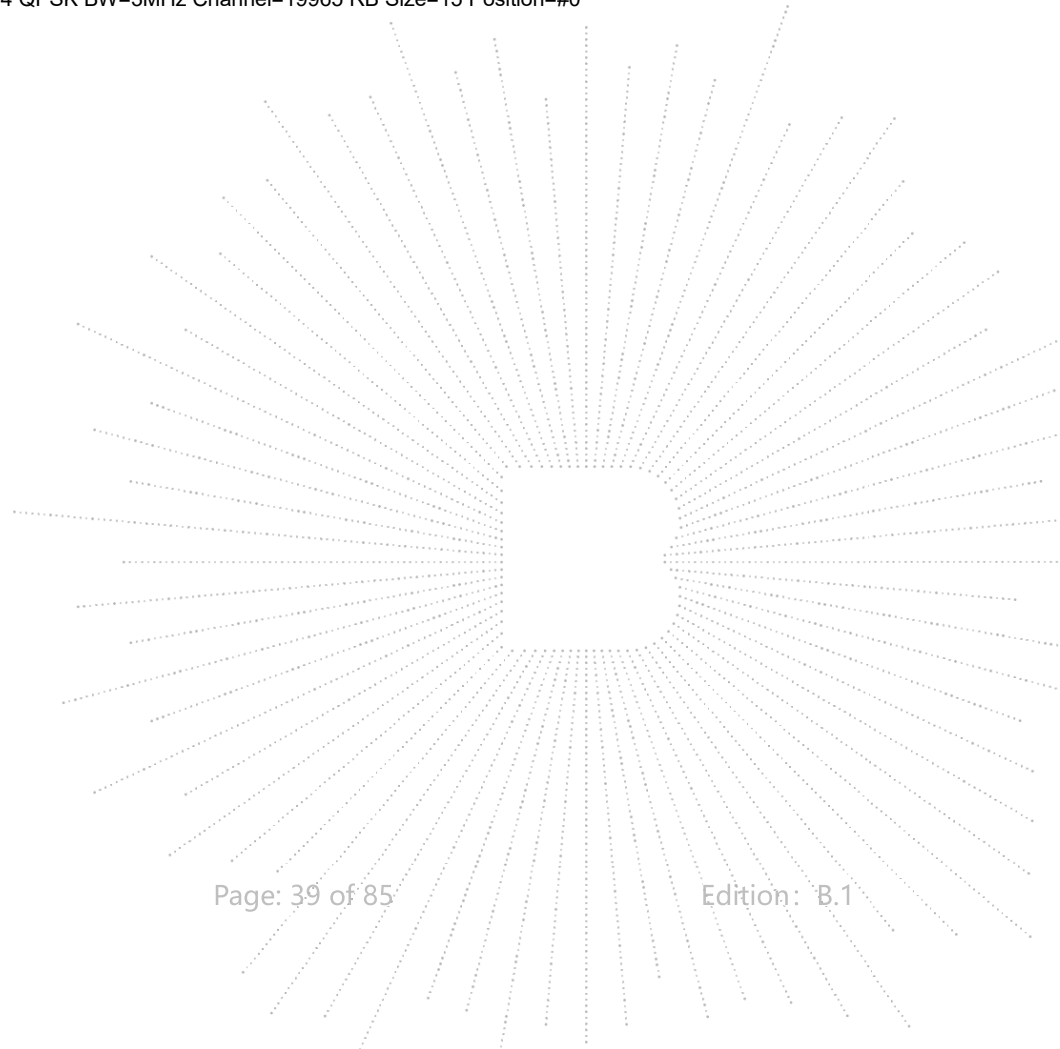
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

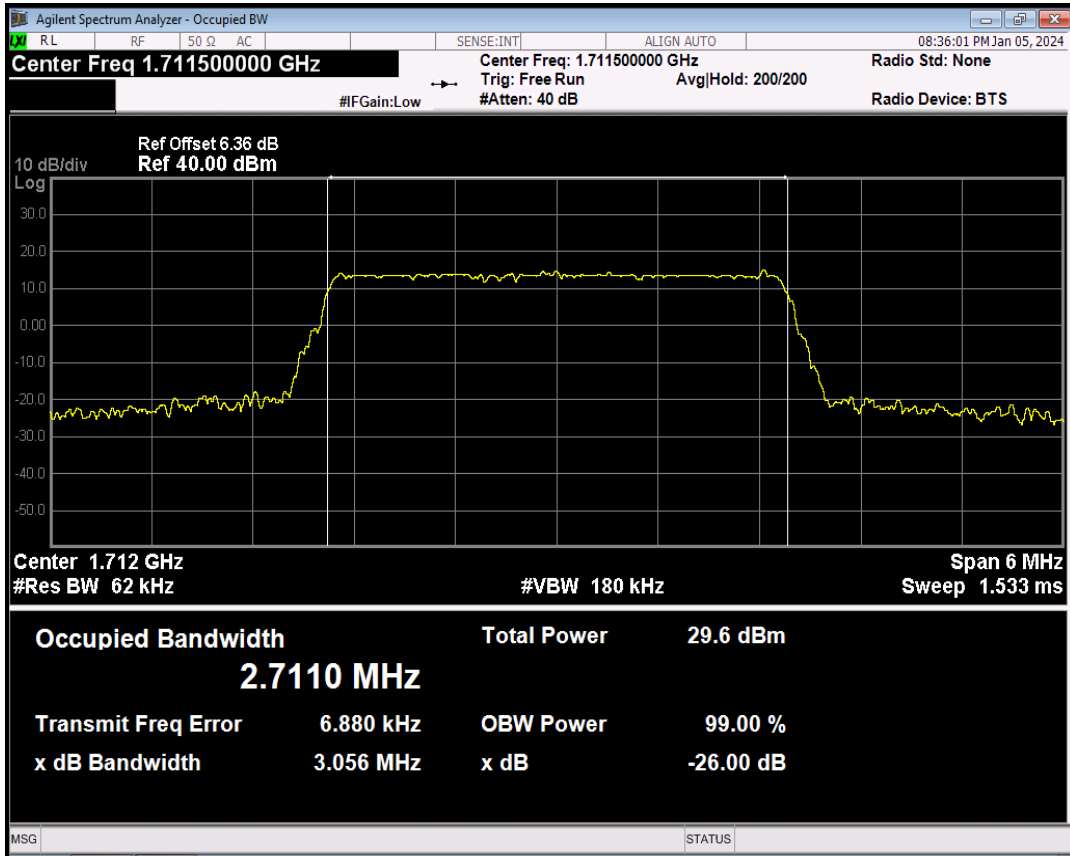


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

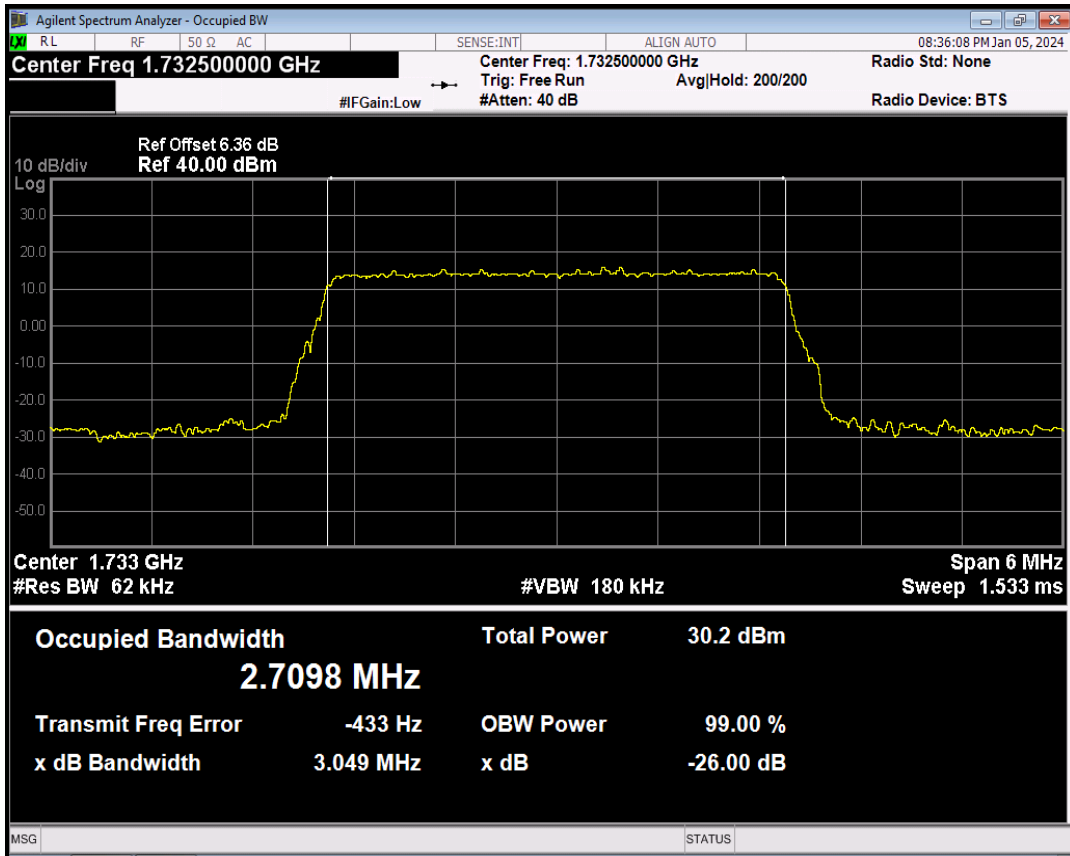


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



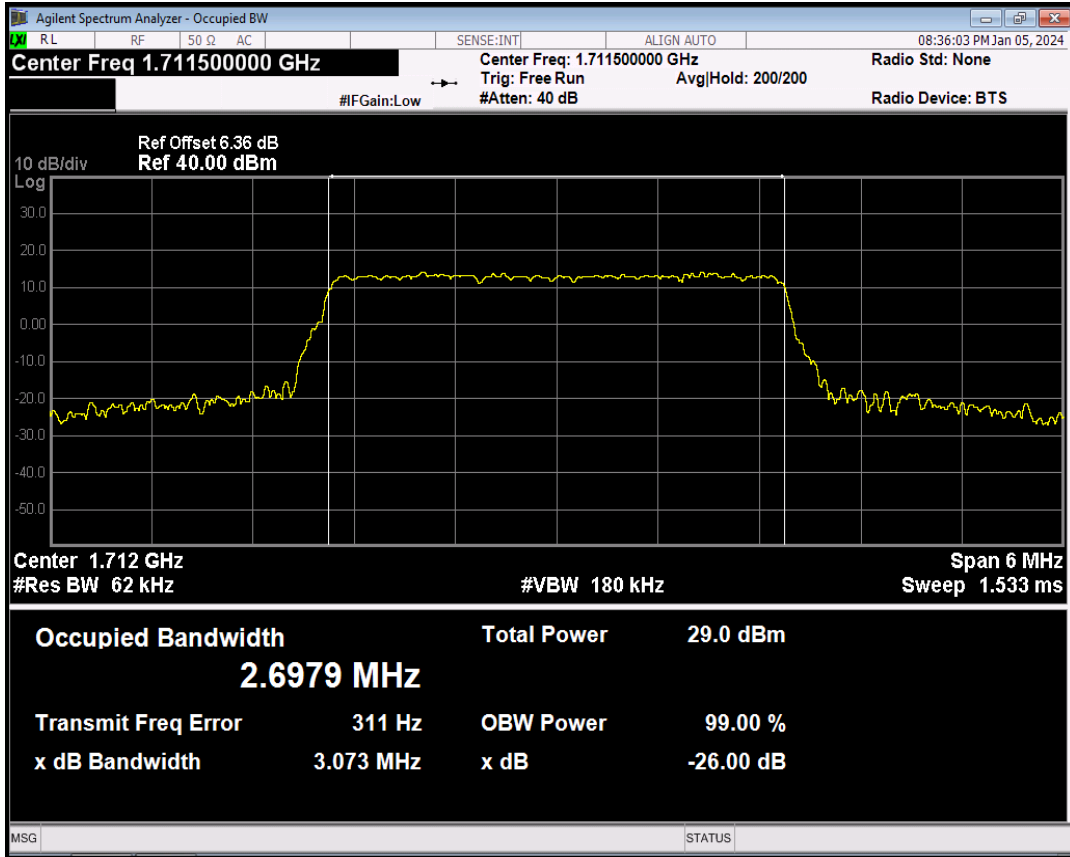


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

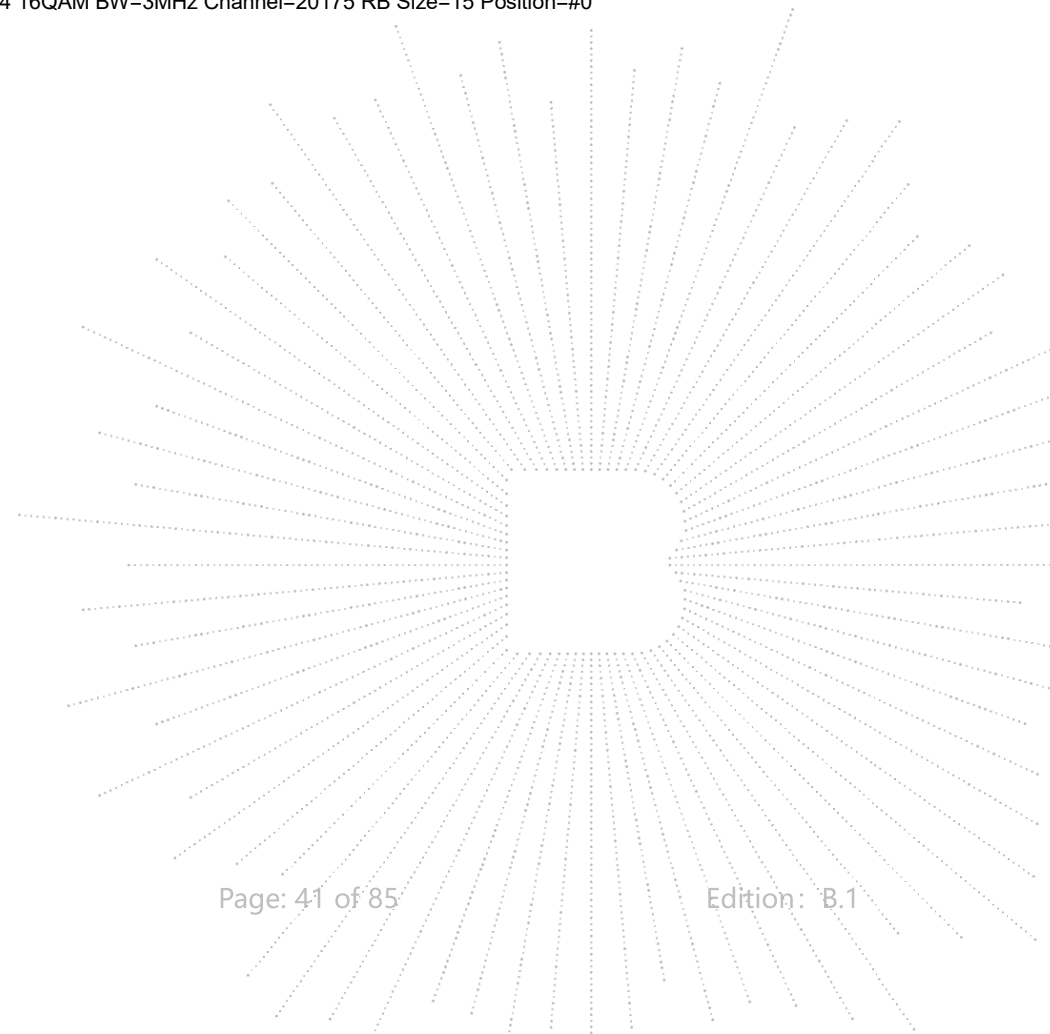


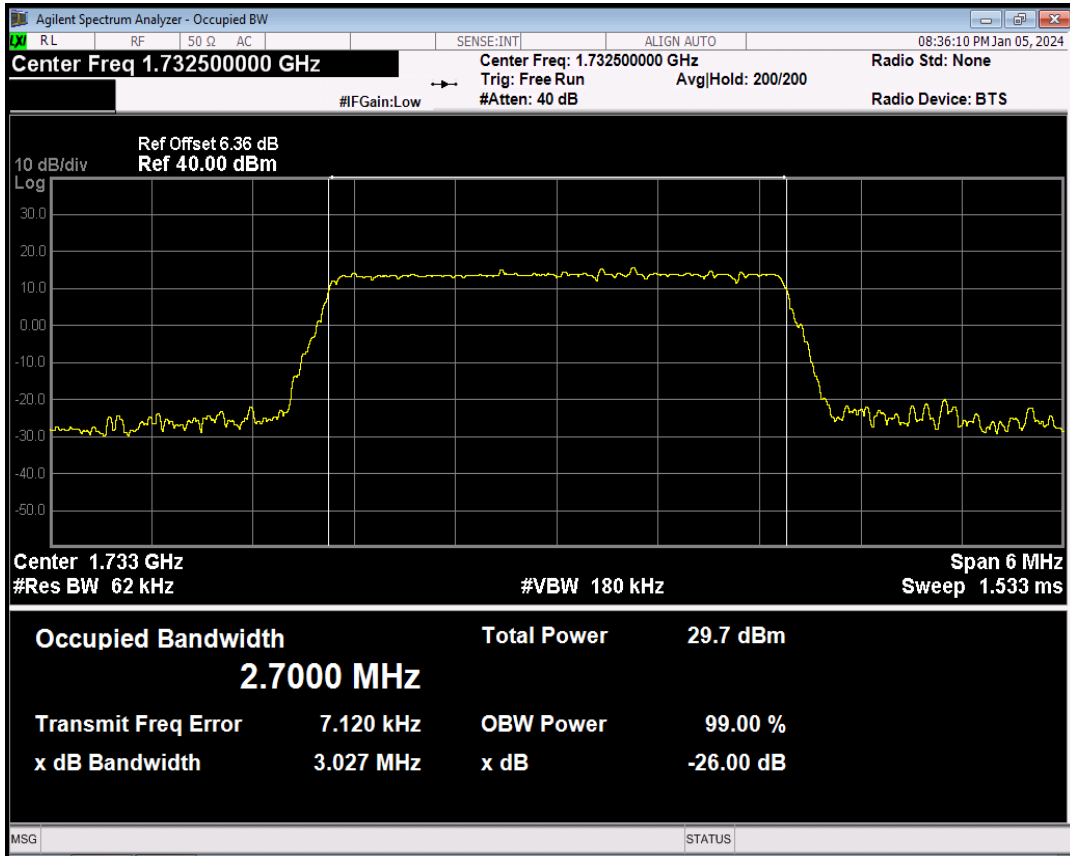


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

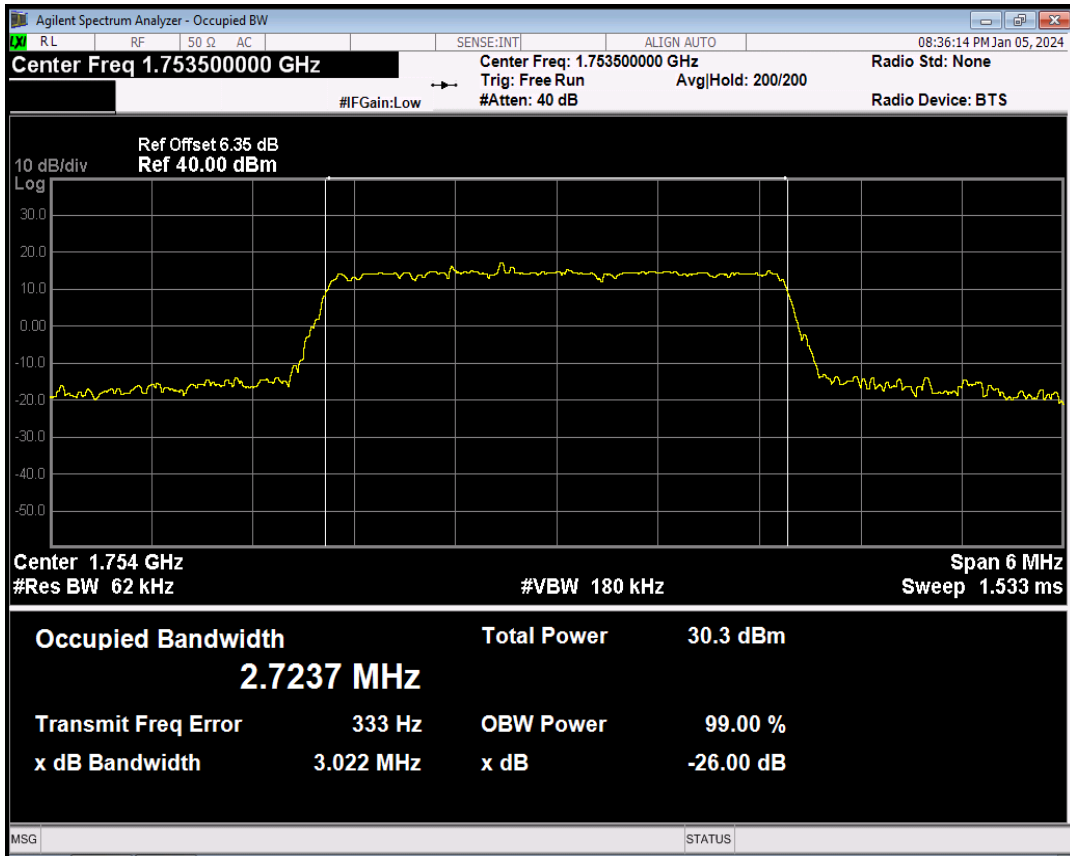


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

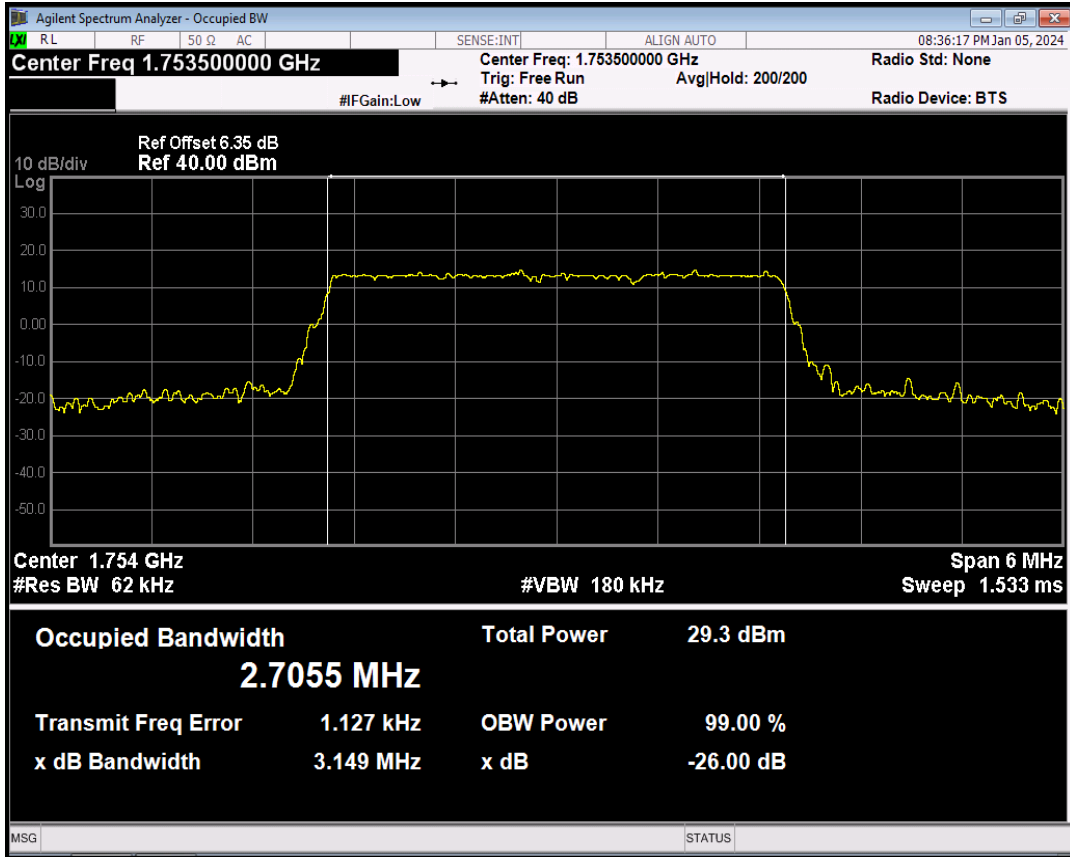




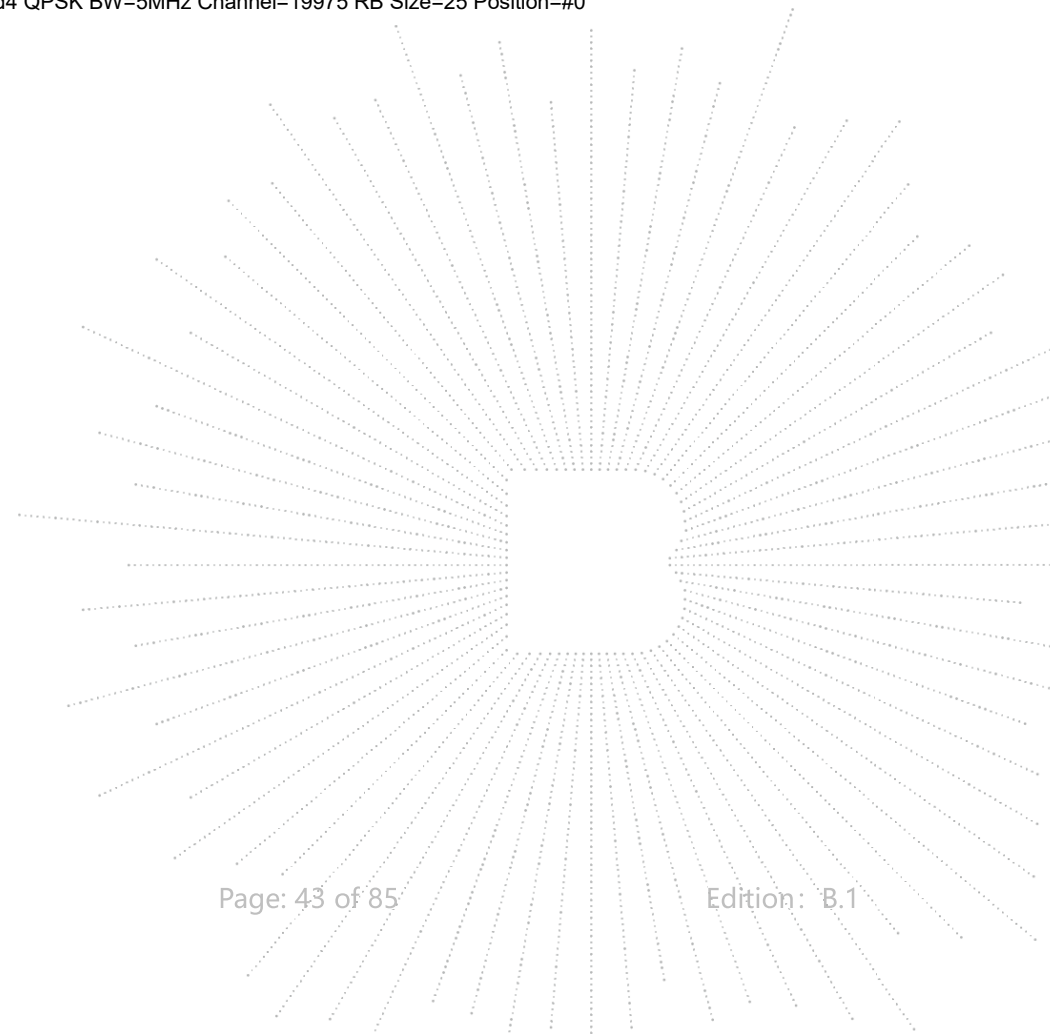
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

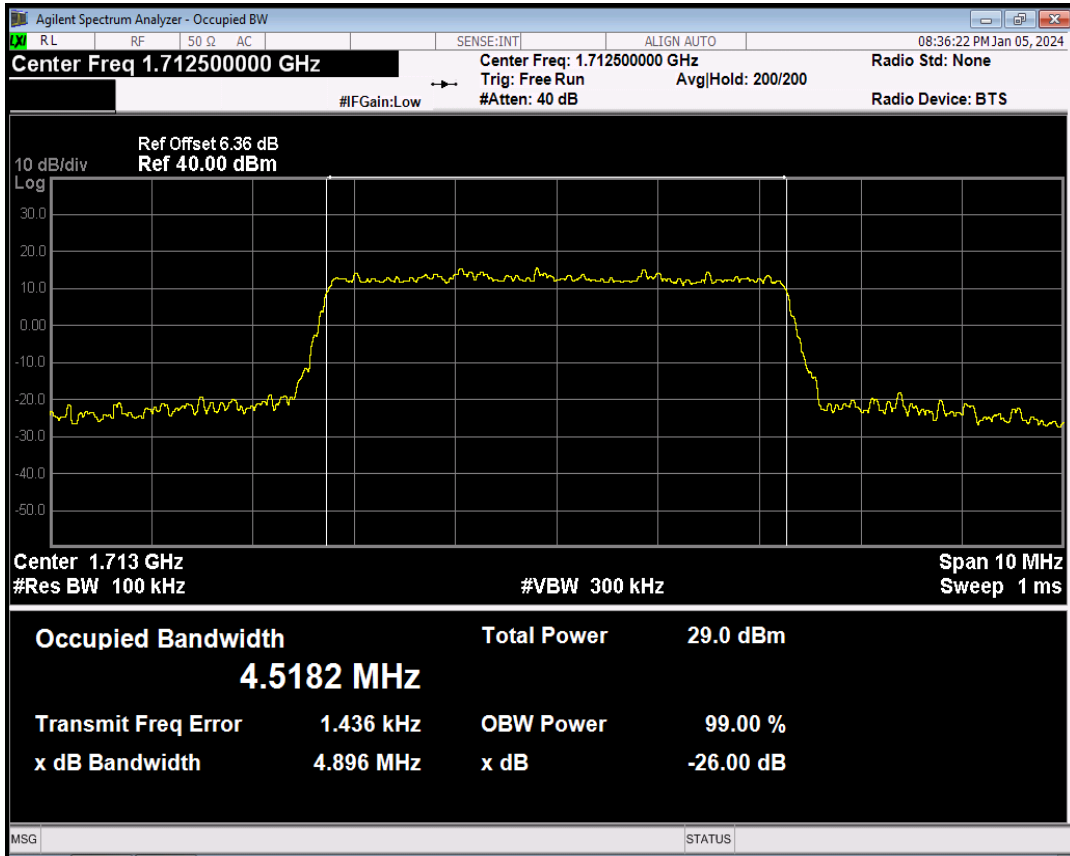


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

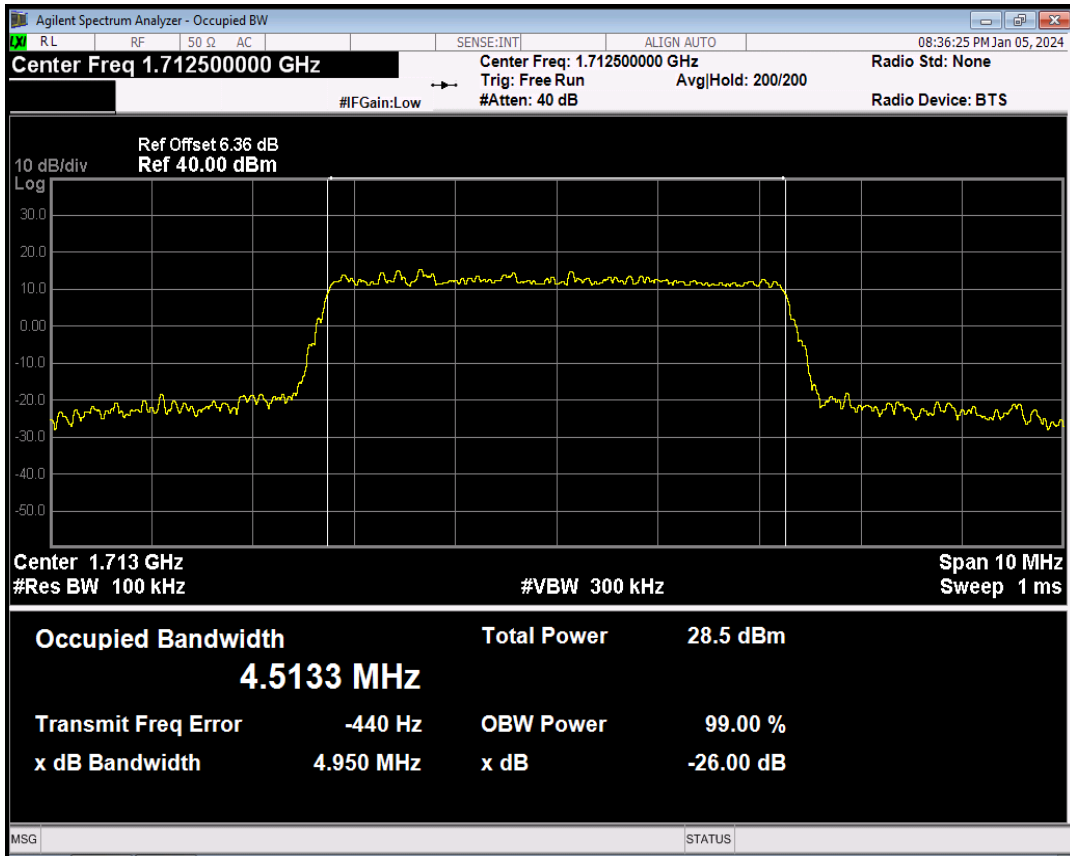


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



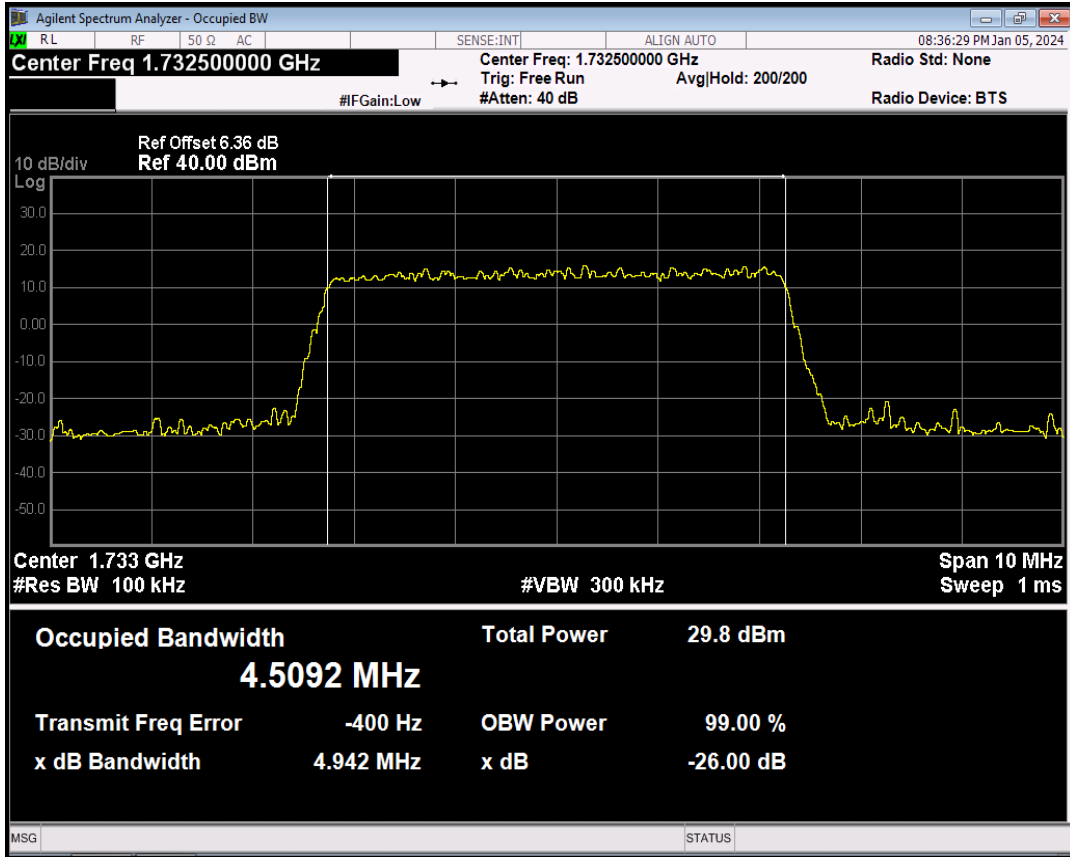


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

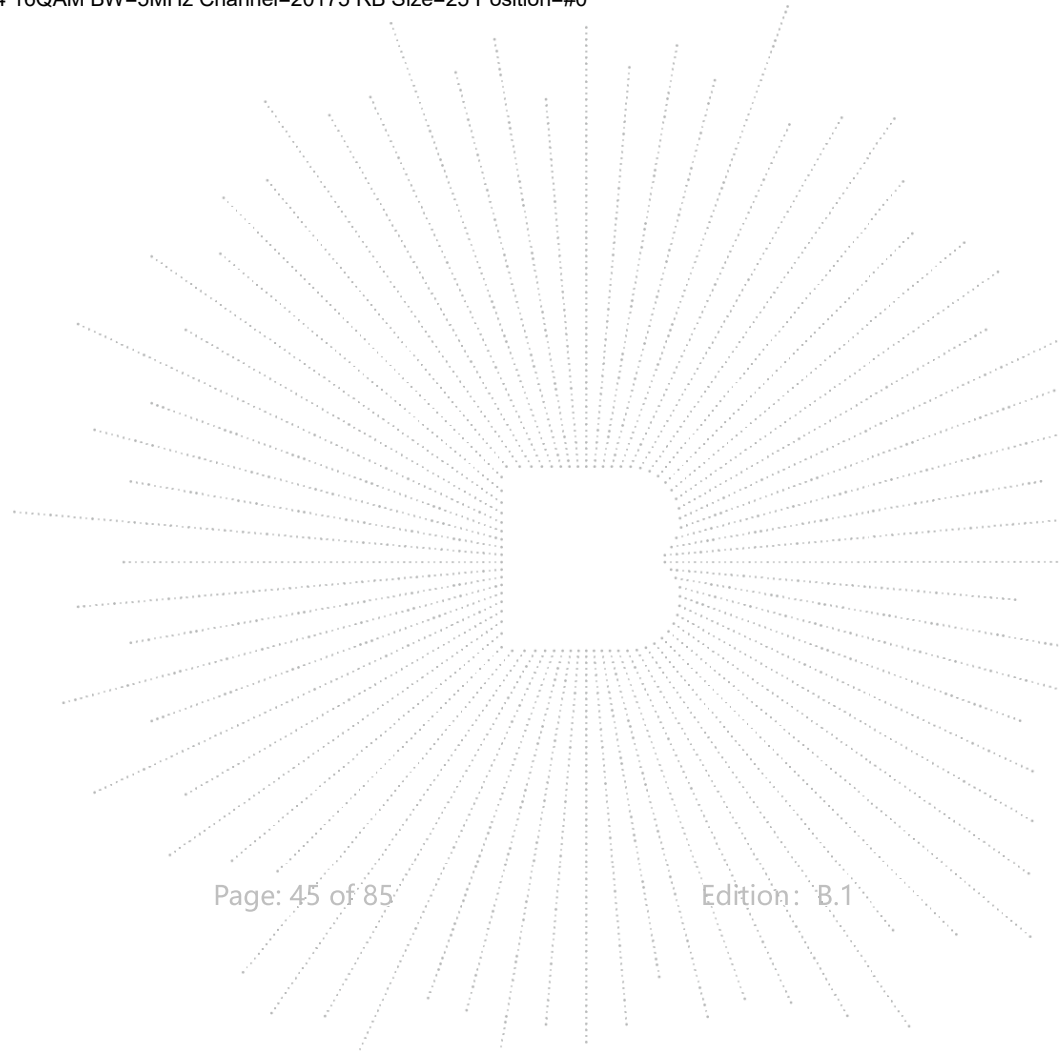


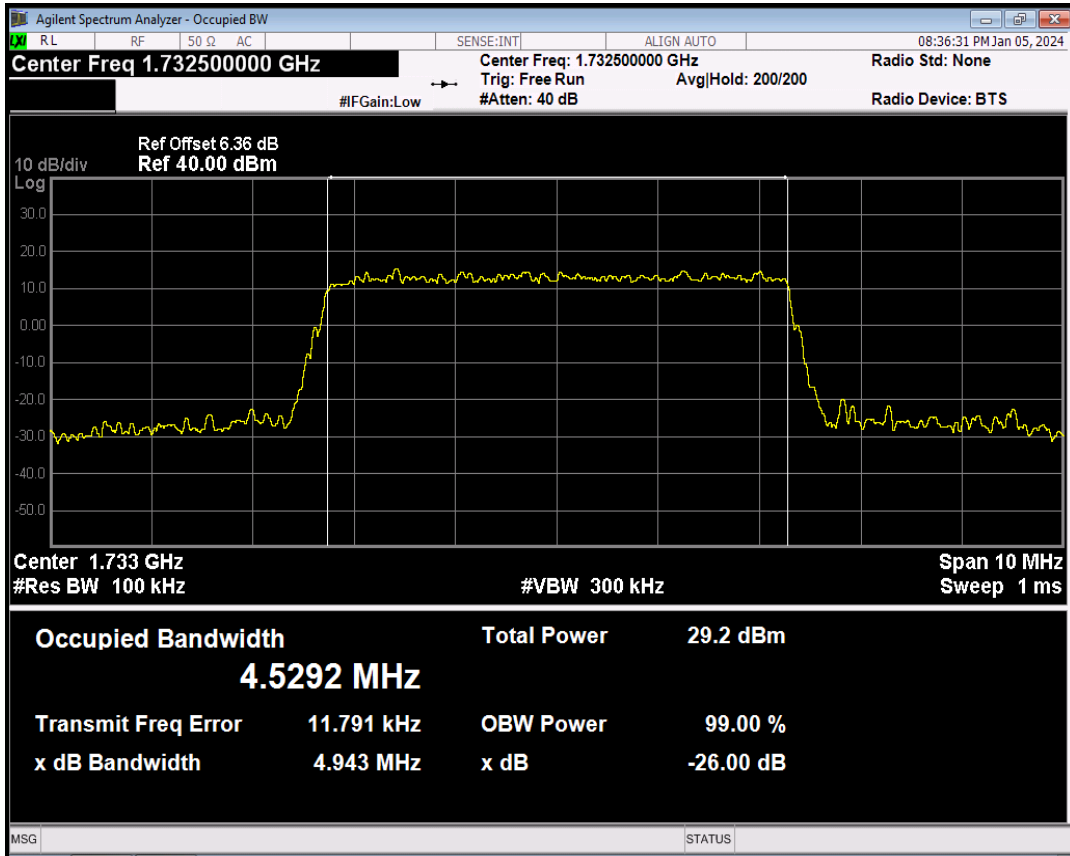


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

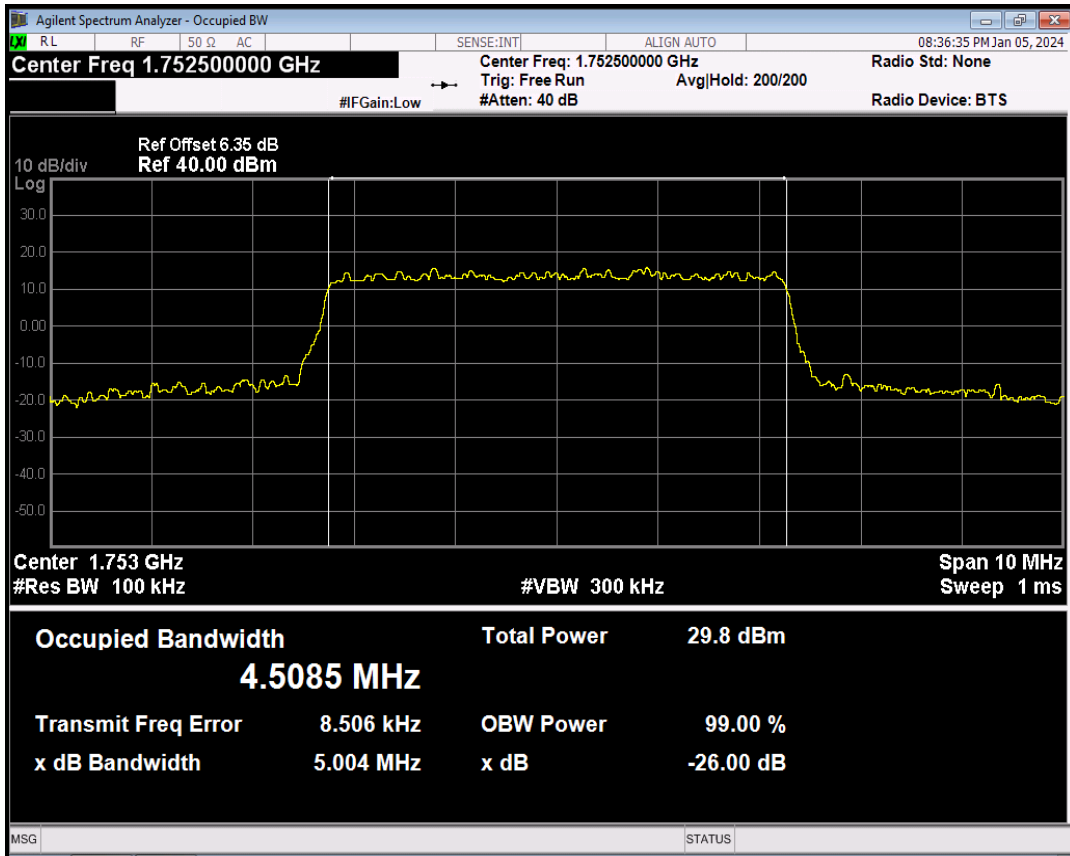


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

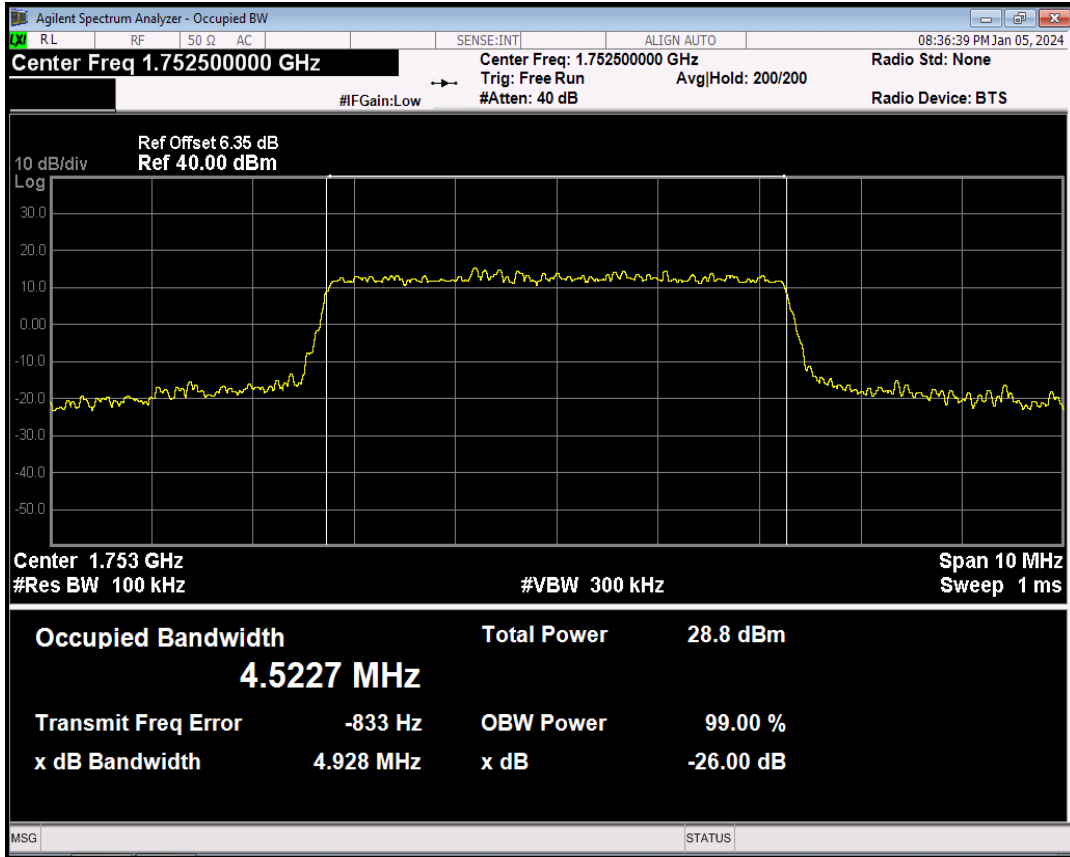




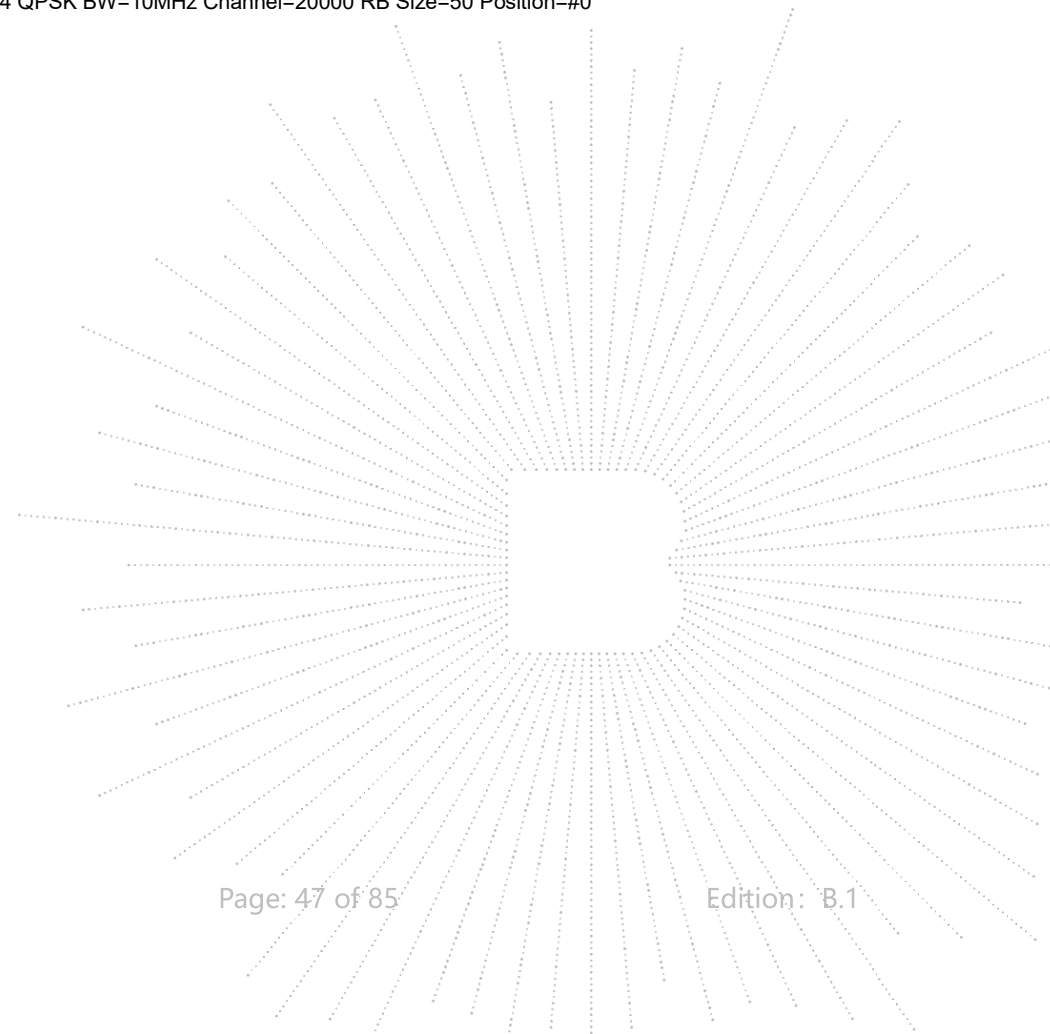
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

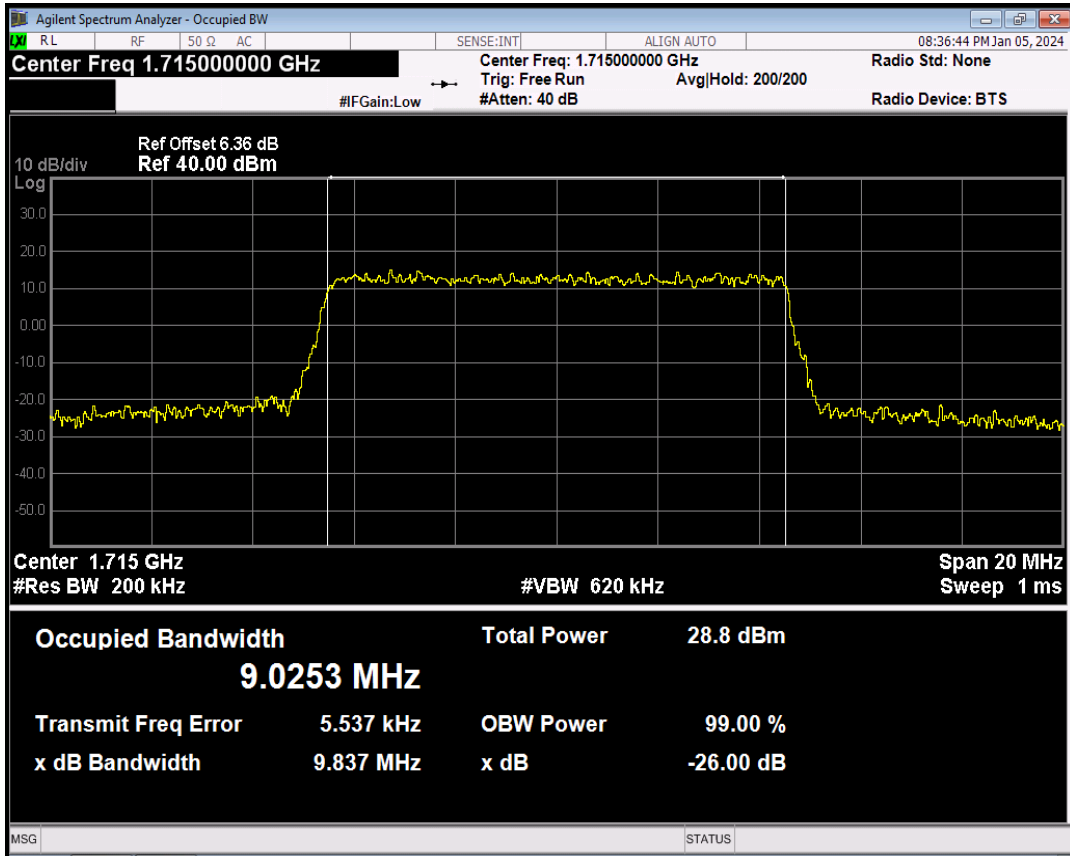


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

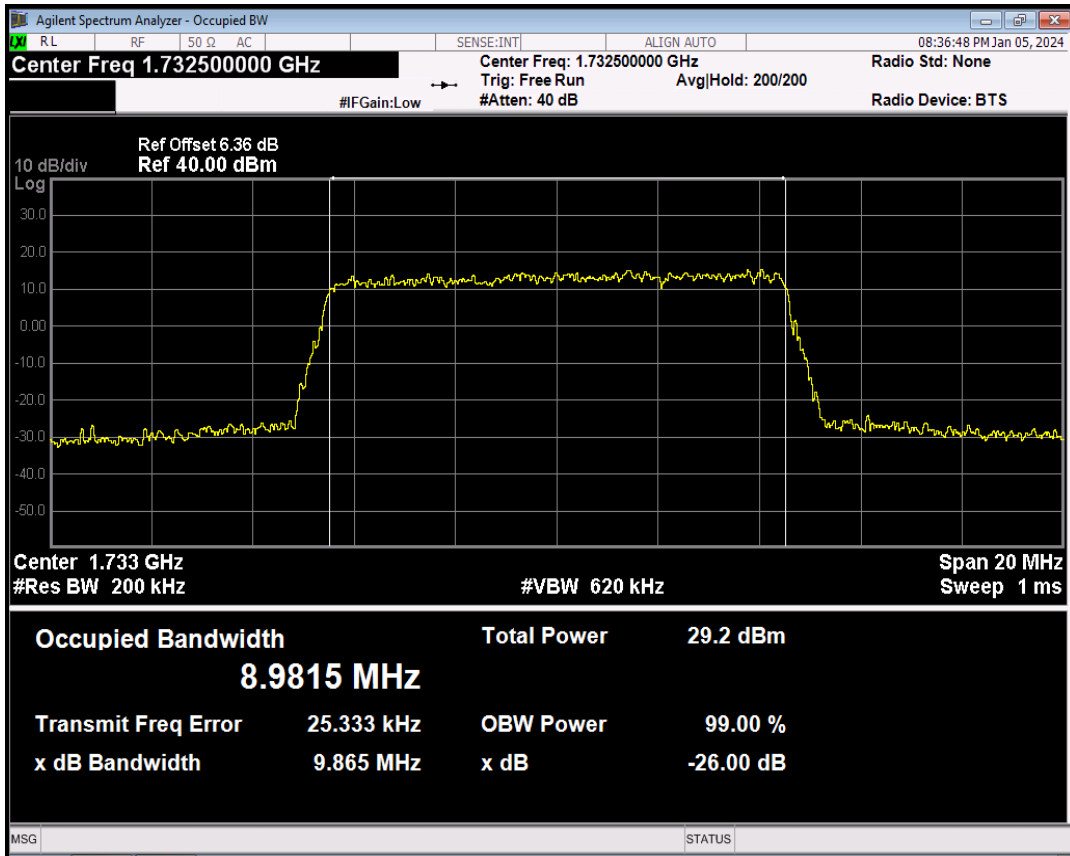


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



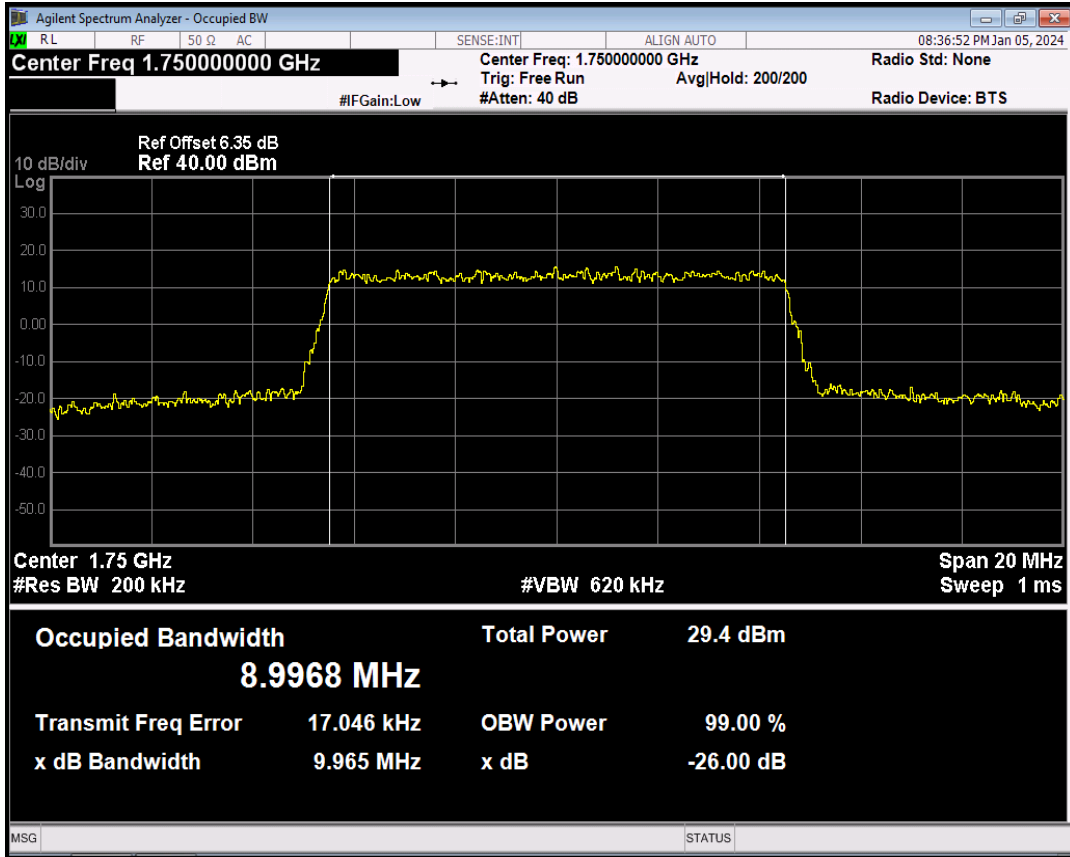


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

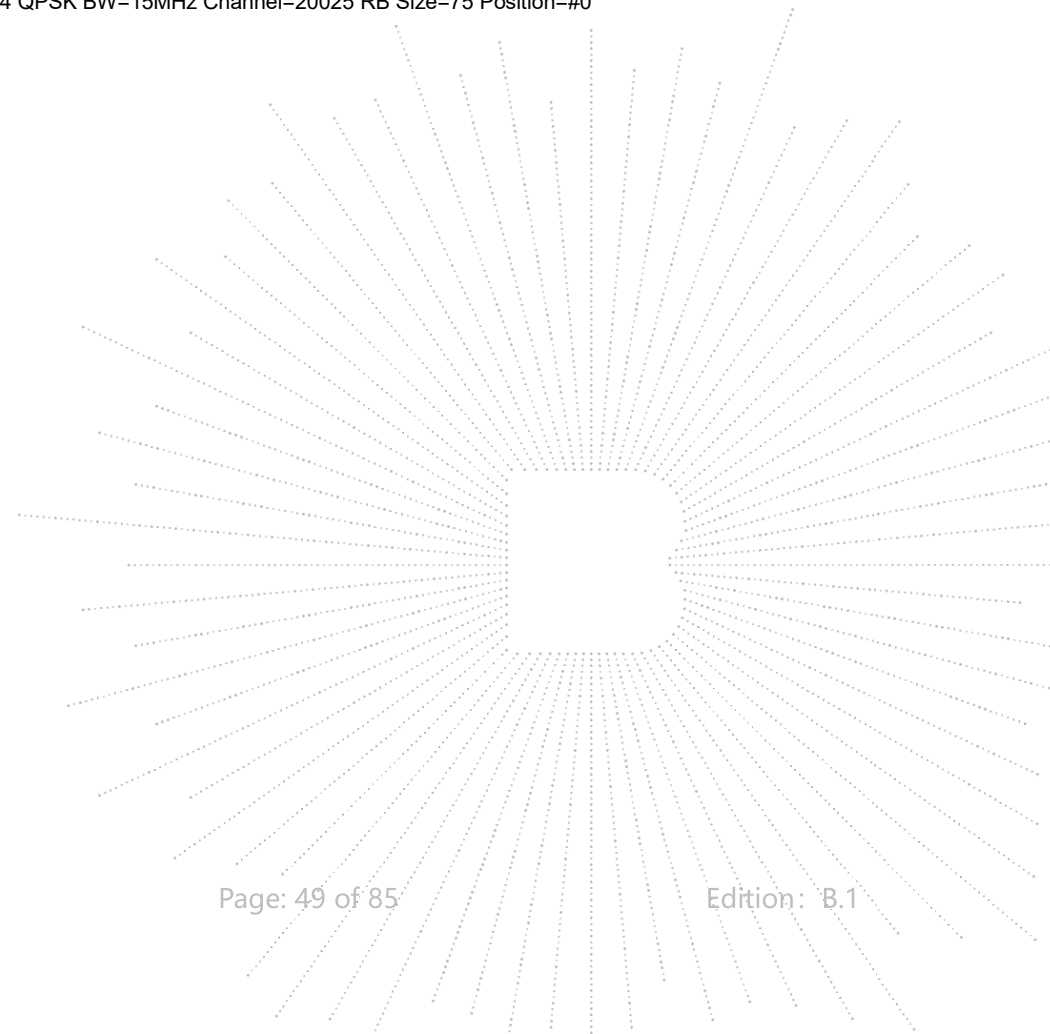


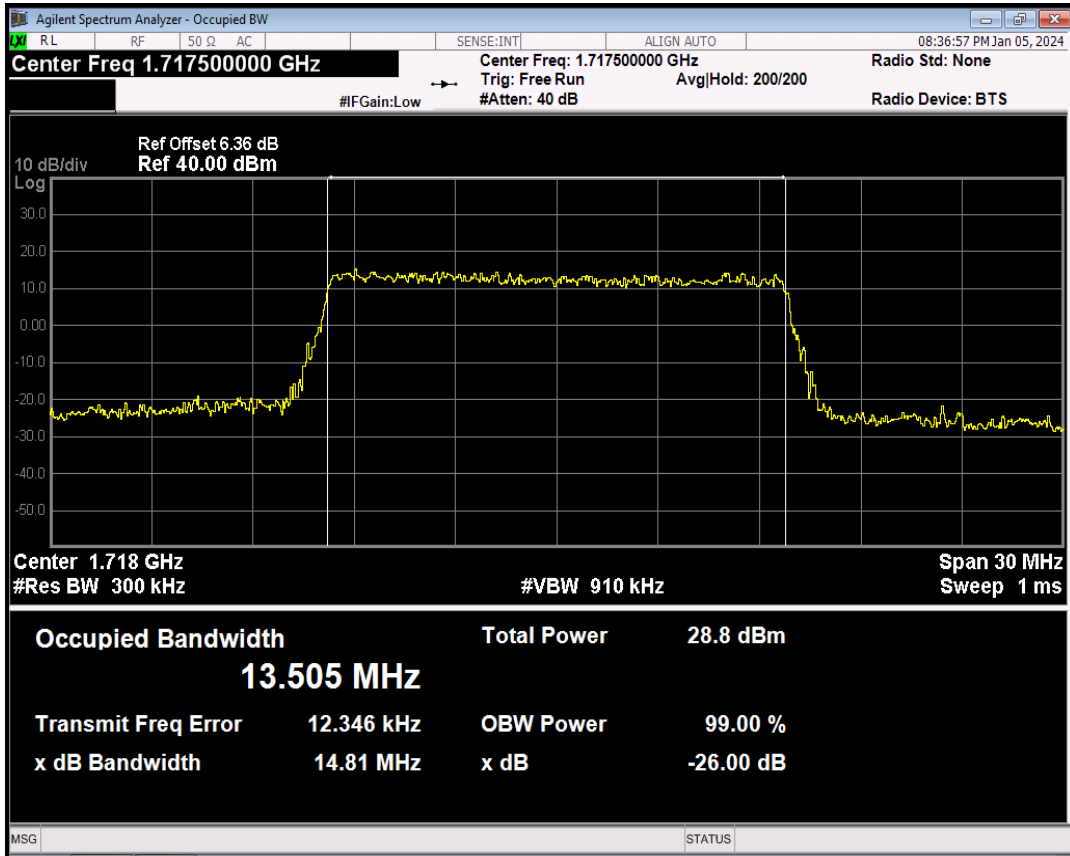


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

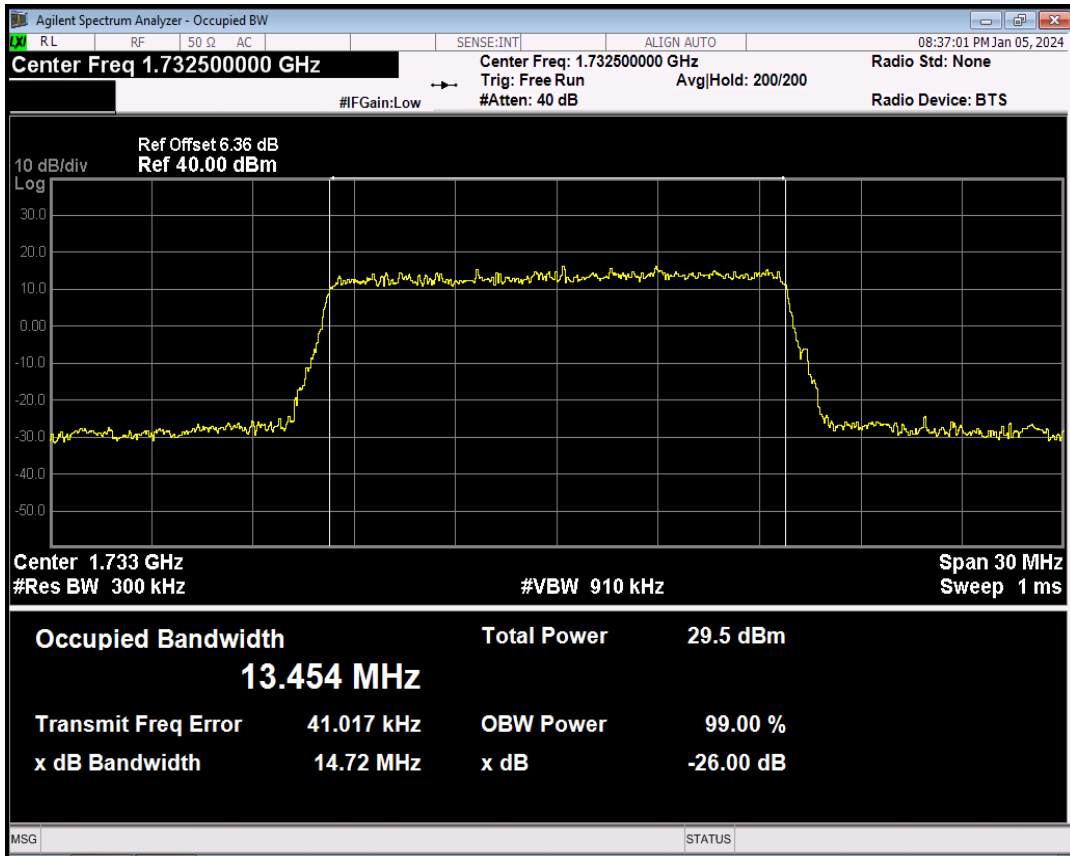


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



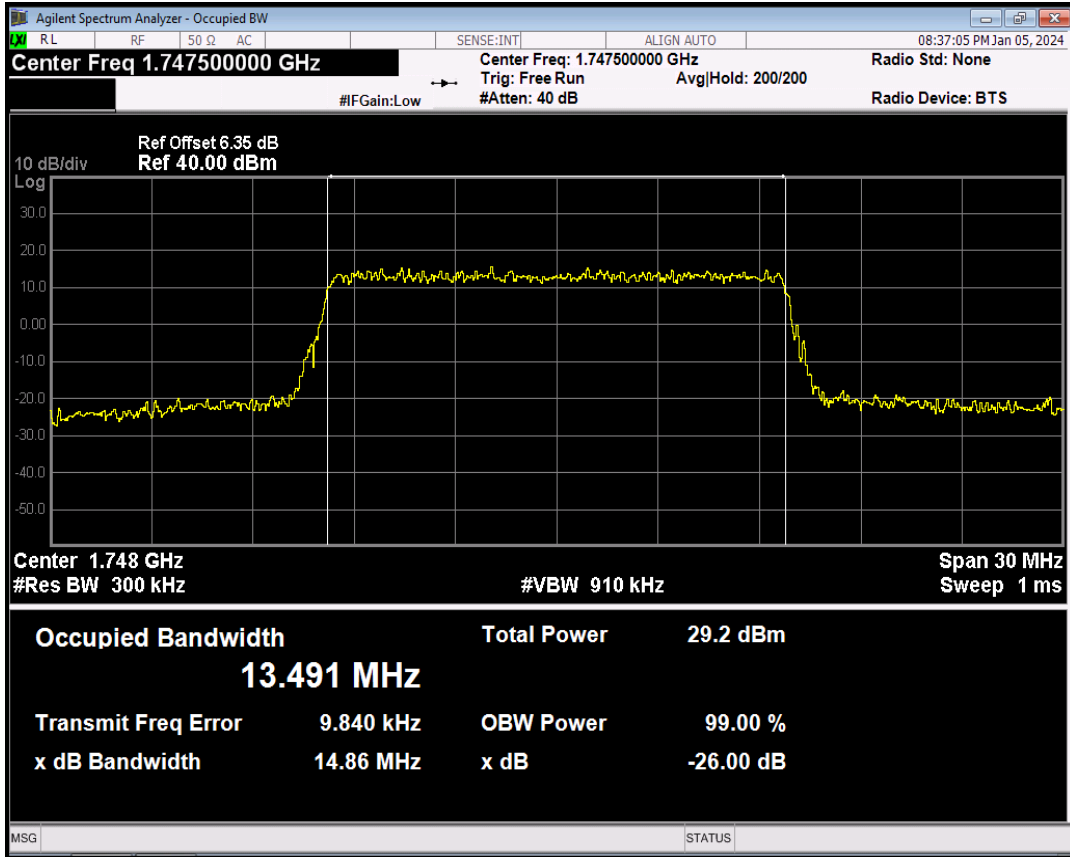


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

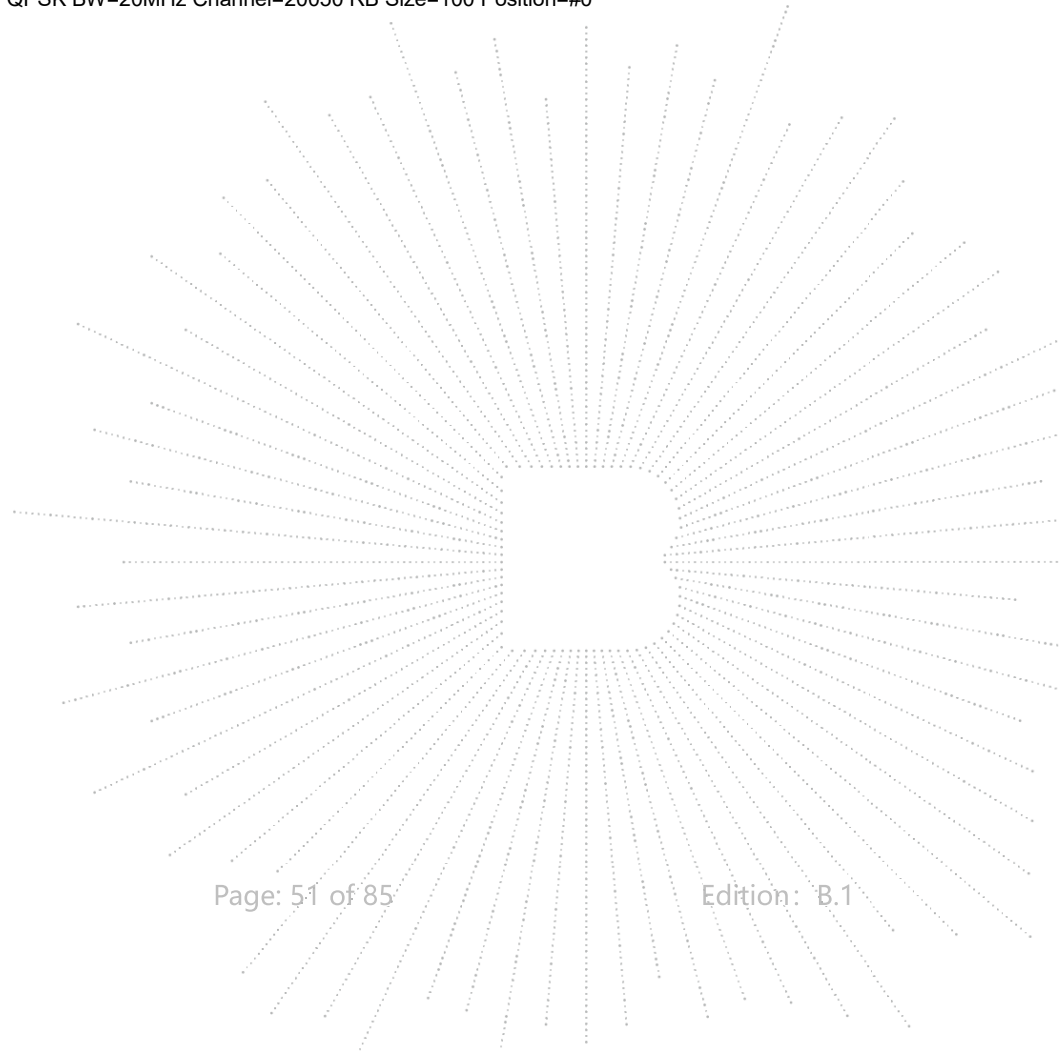


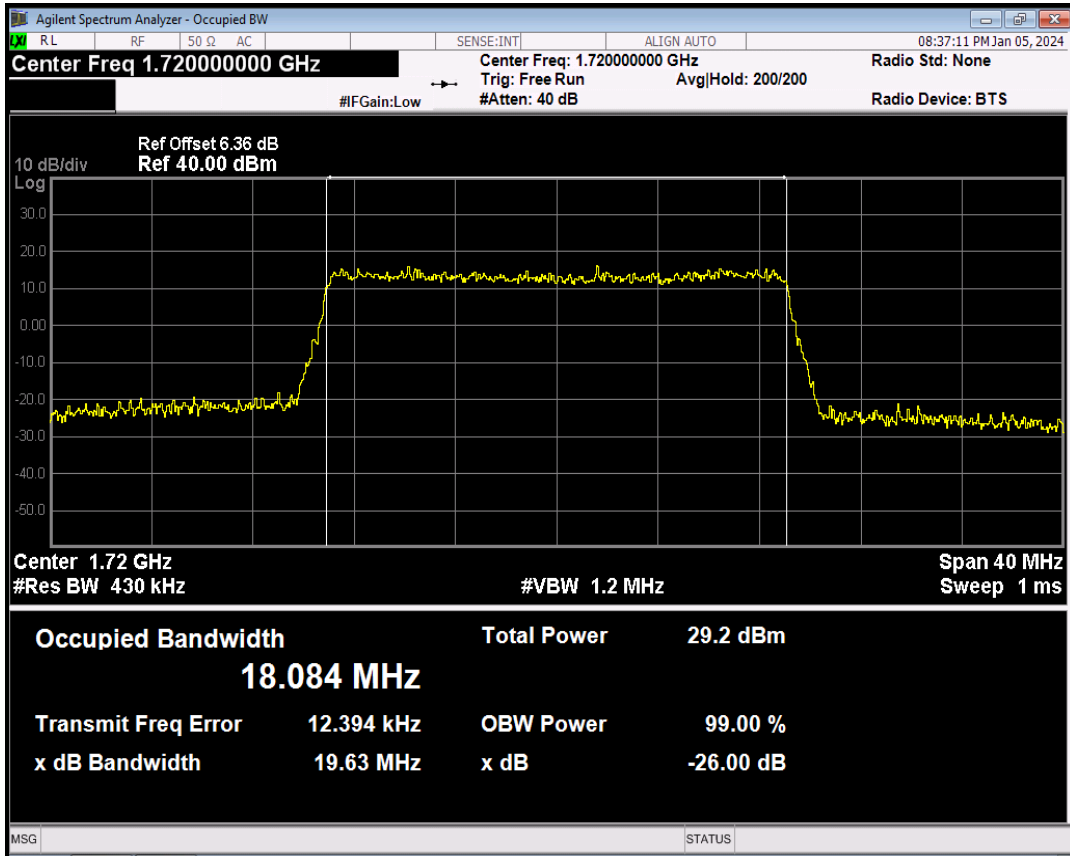


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

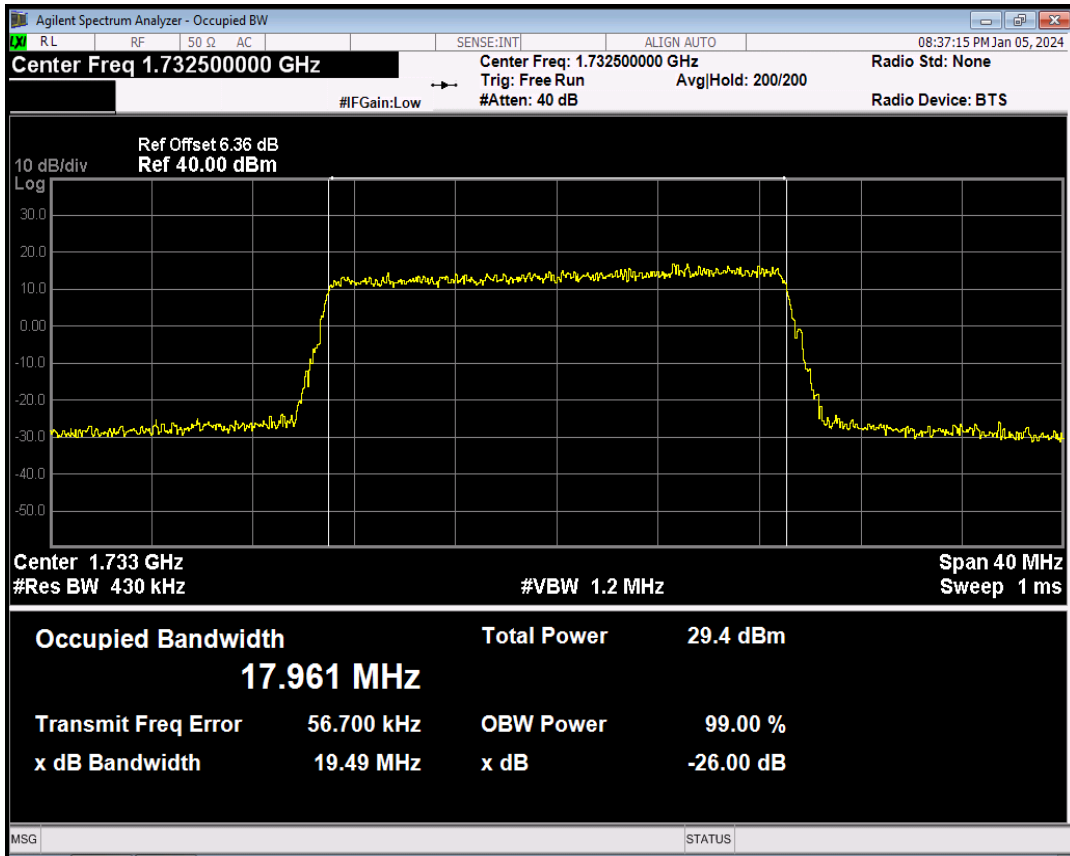


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



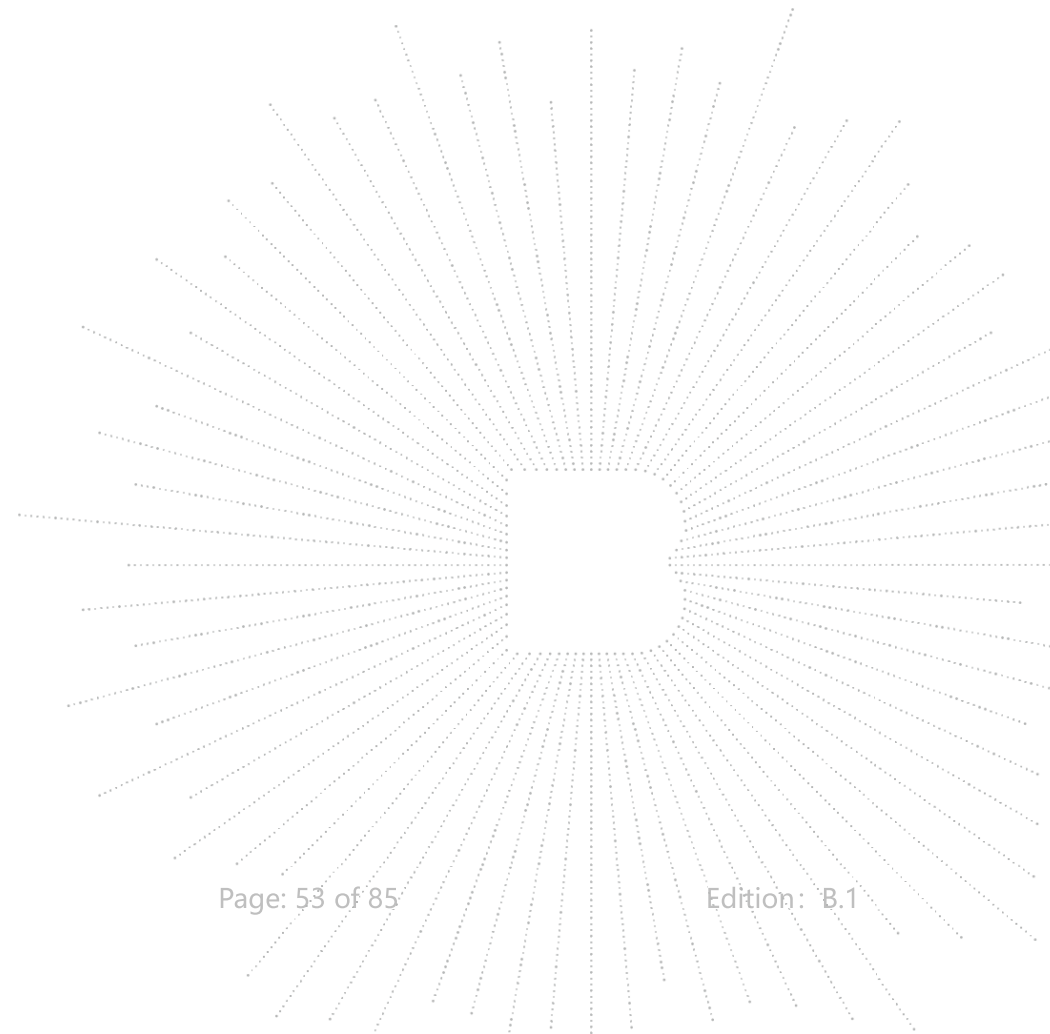
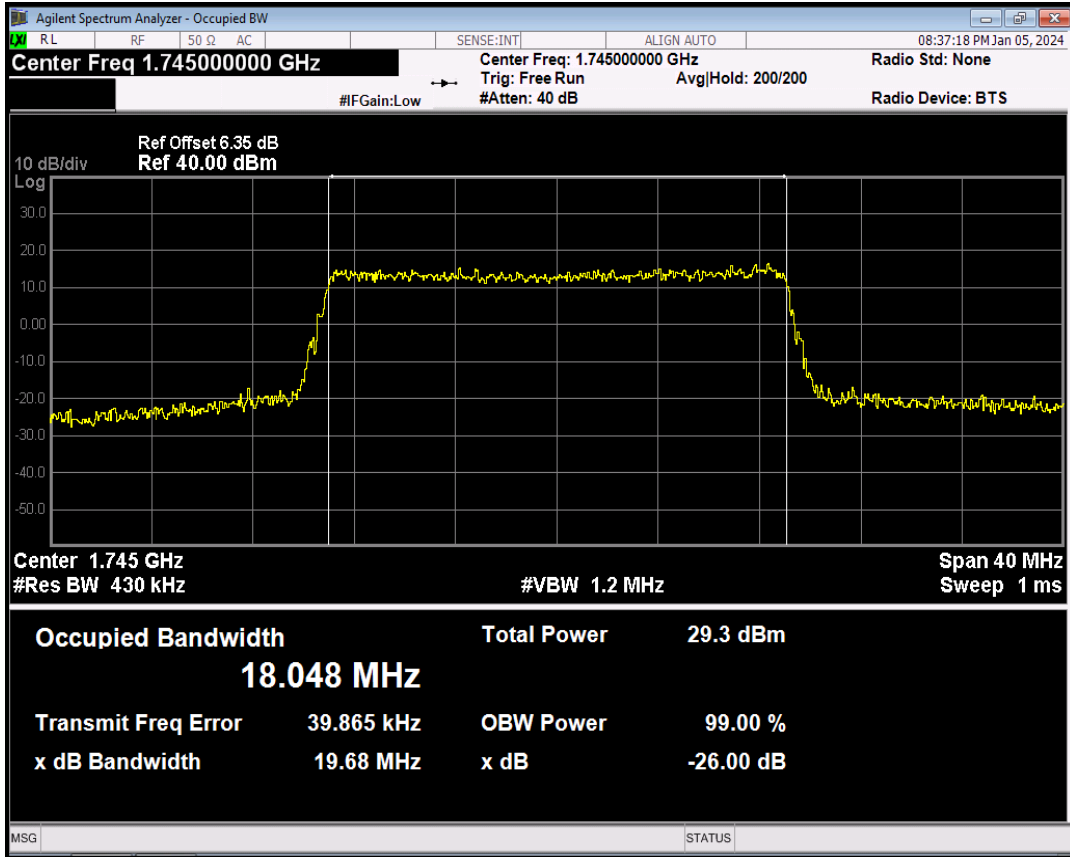


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0





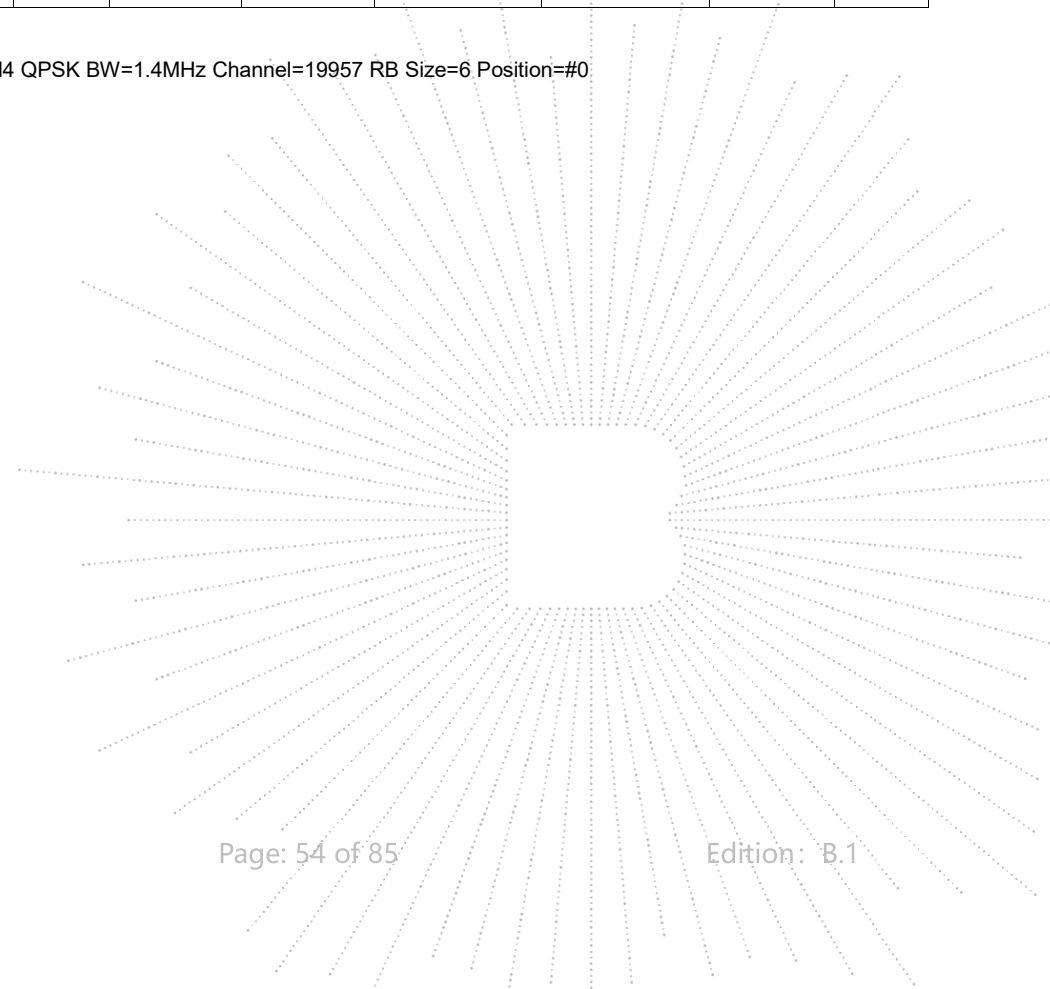
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

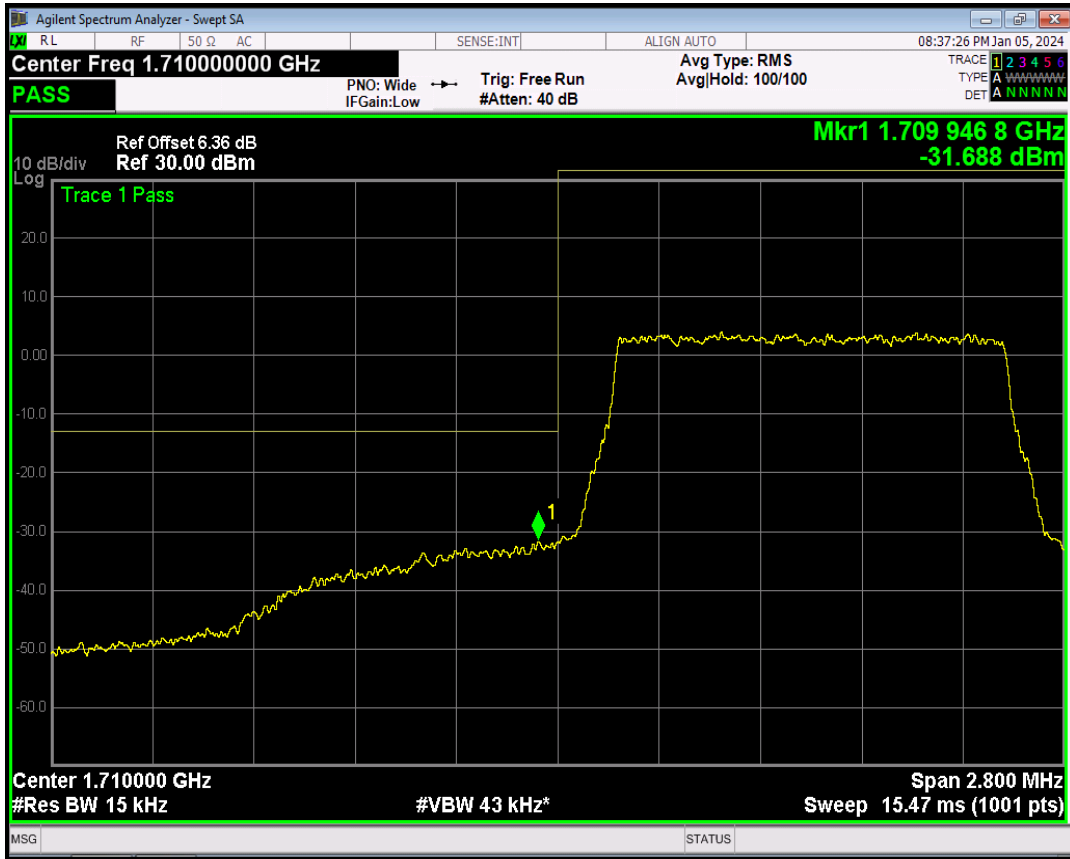


### Appendix 5. Band edge

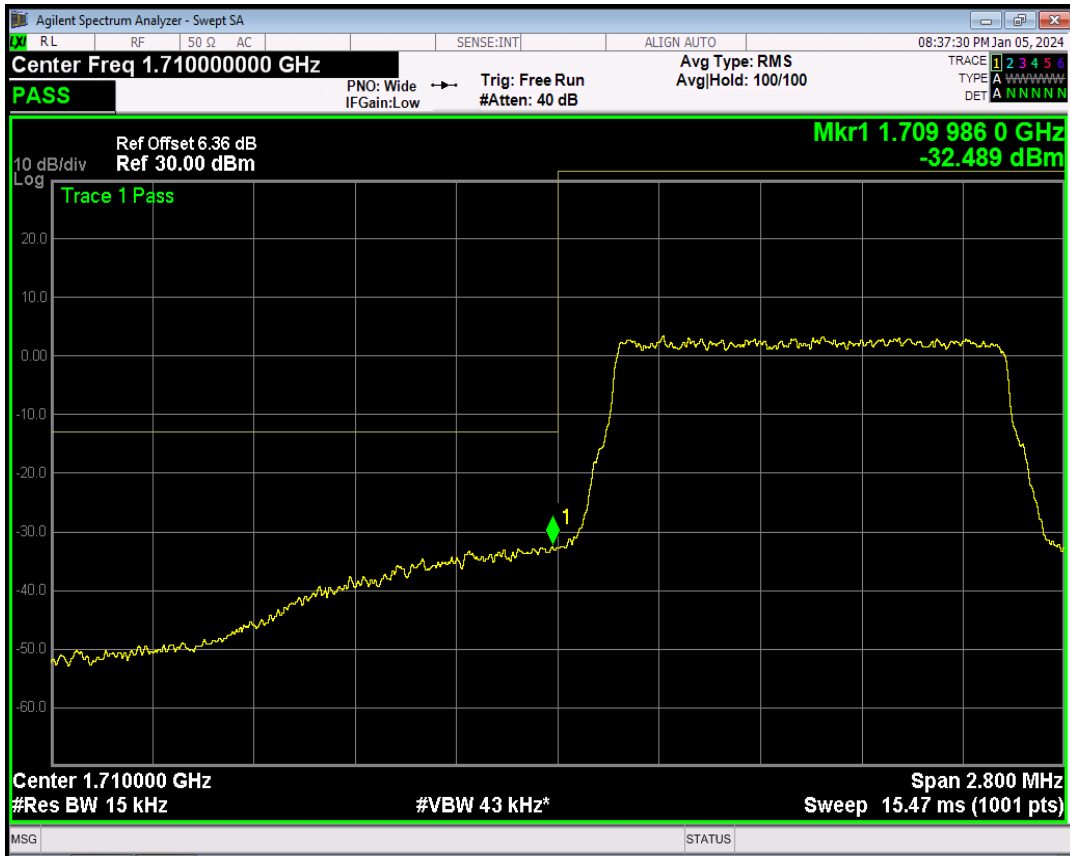
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.95	-31.68	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-32.48	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.02	-25.54	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.05	-28.05	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-25.31	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-25.58	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-22.76	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-24.39	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-29.15	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.99	-29.17	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.04	-25.88	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-28.09	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.96	-32.47	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.02	-28.48	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.97	-32.09	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.03	-29.71	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.84	-32.99	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.04	-31.65	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0





Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

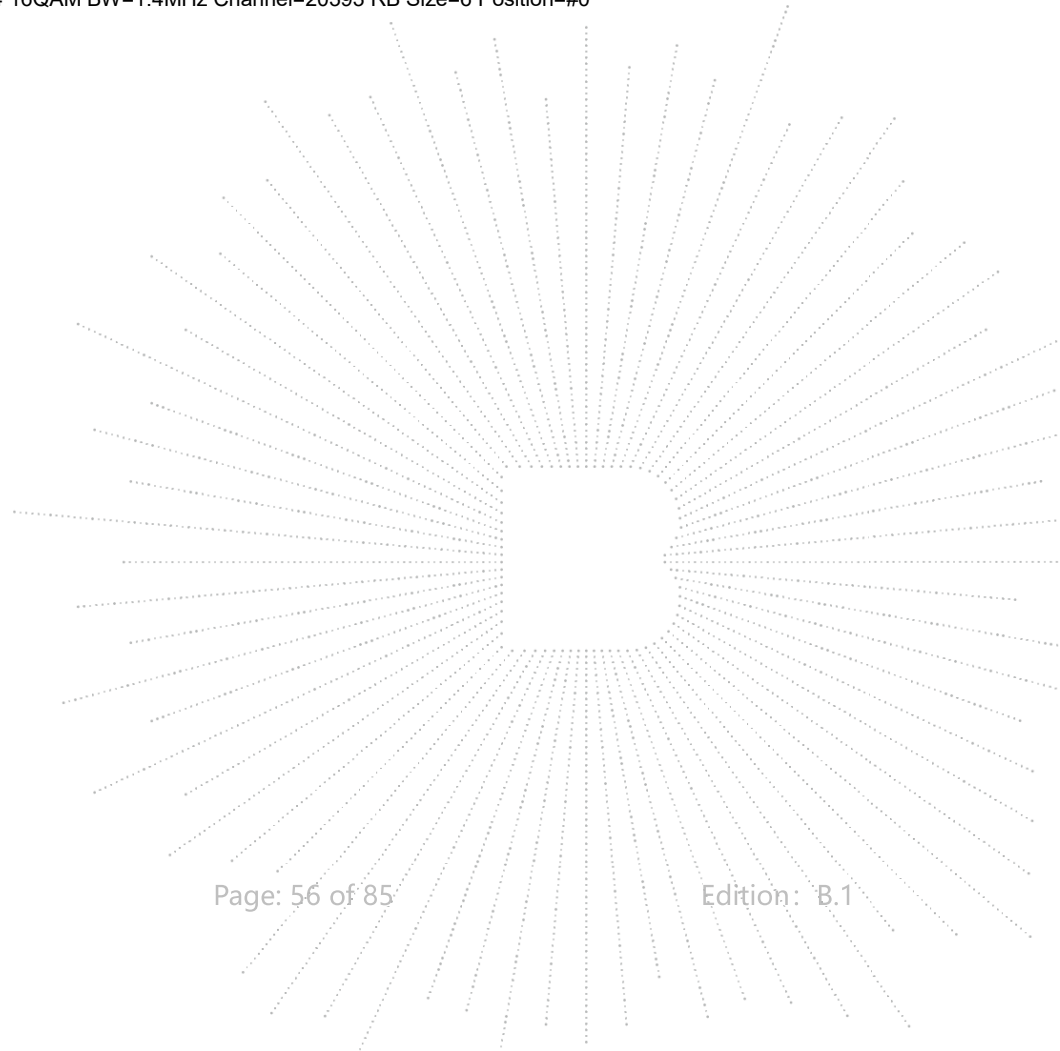




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



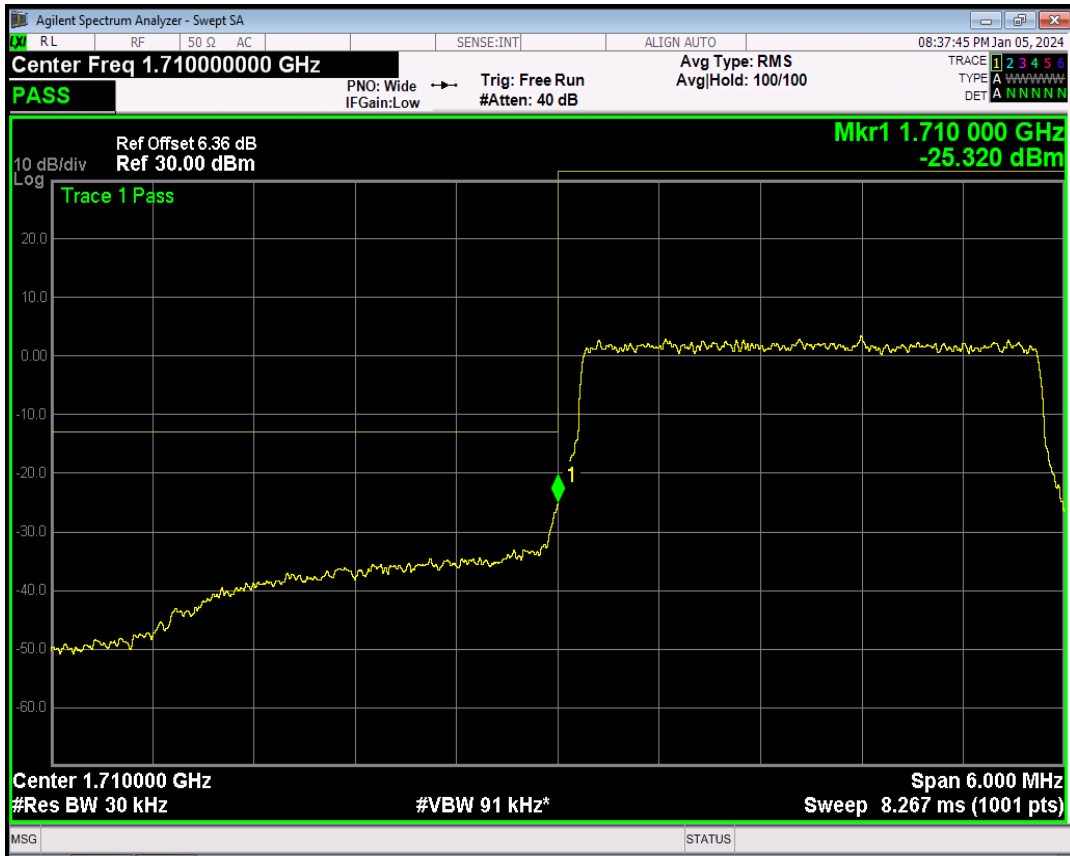
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0





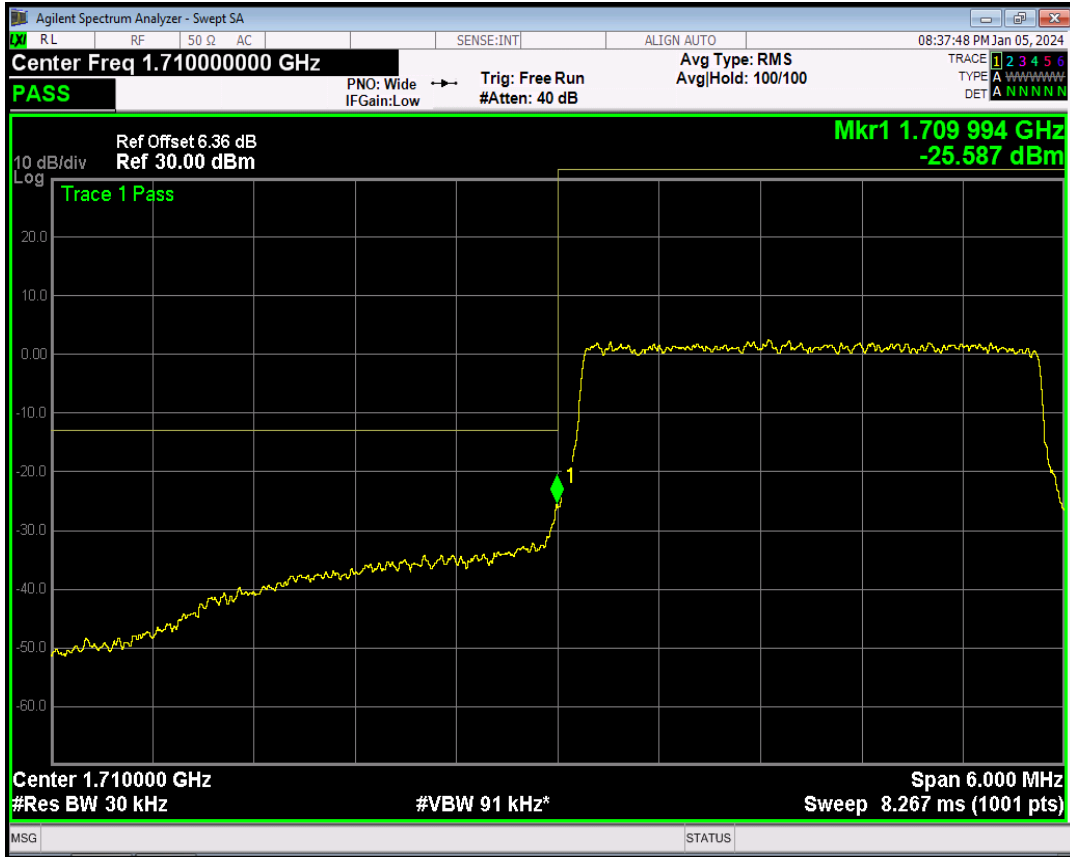


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

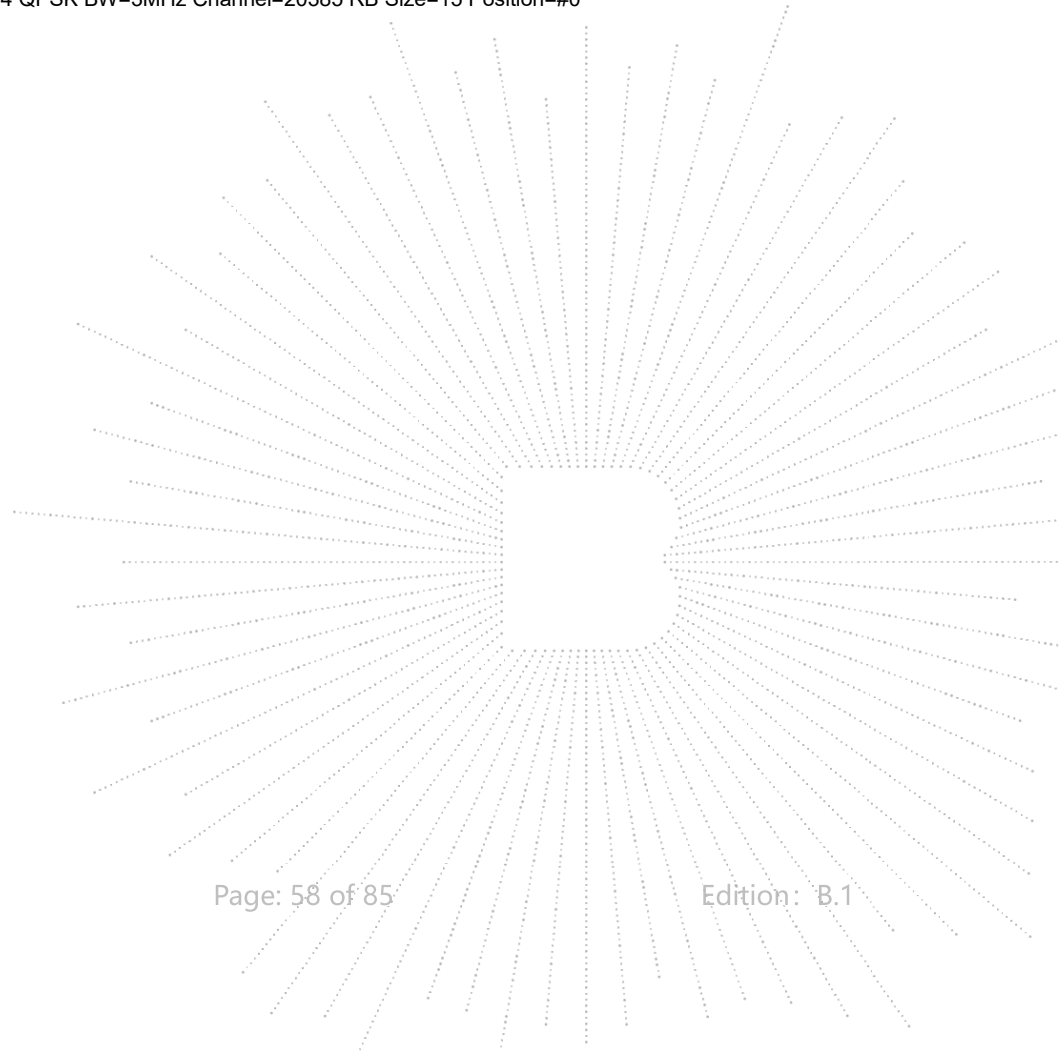


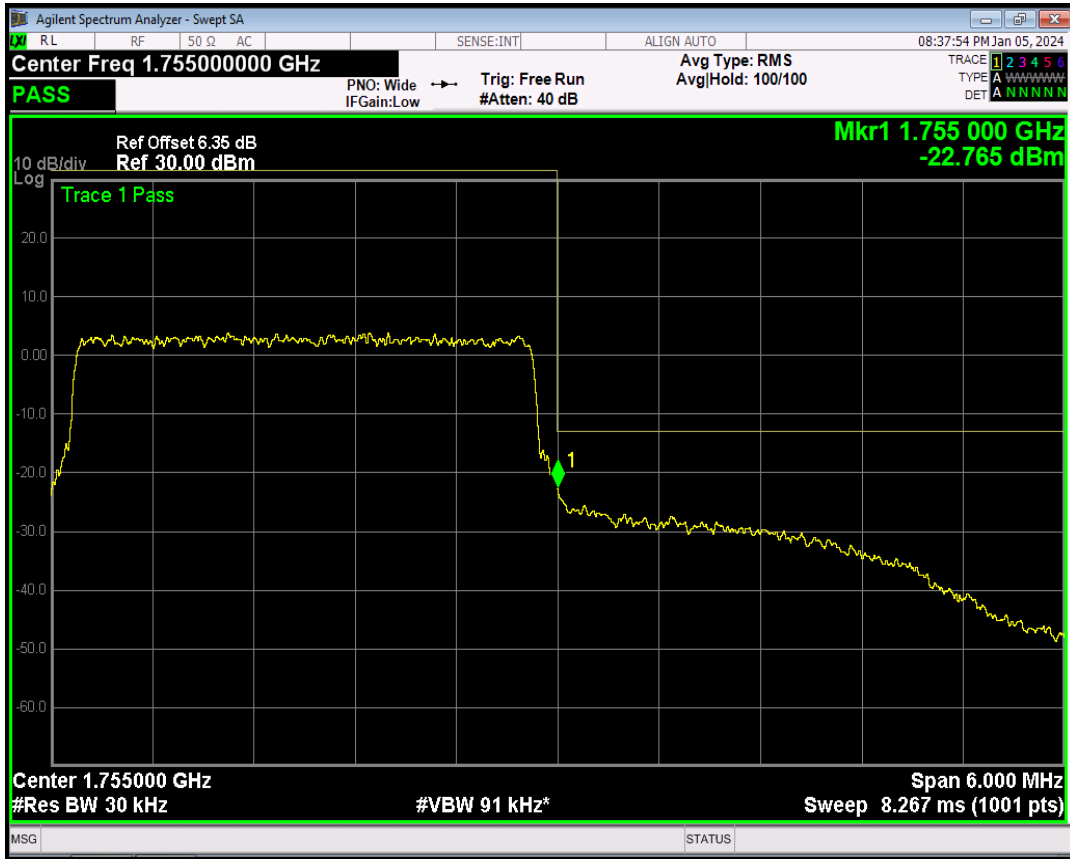


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

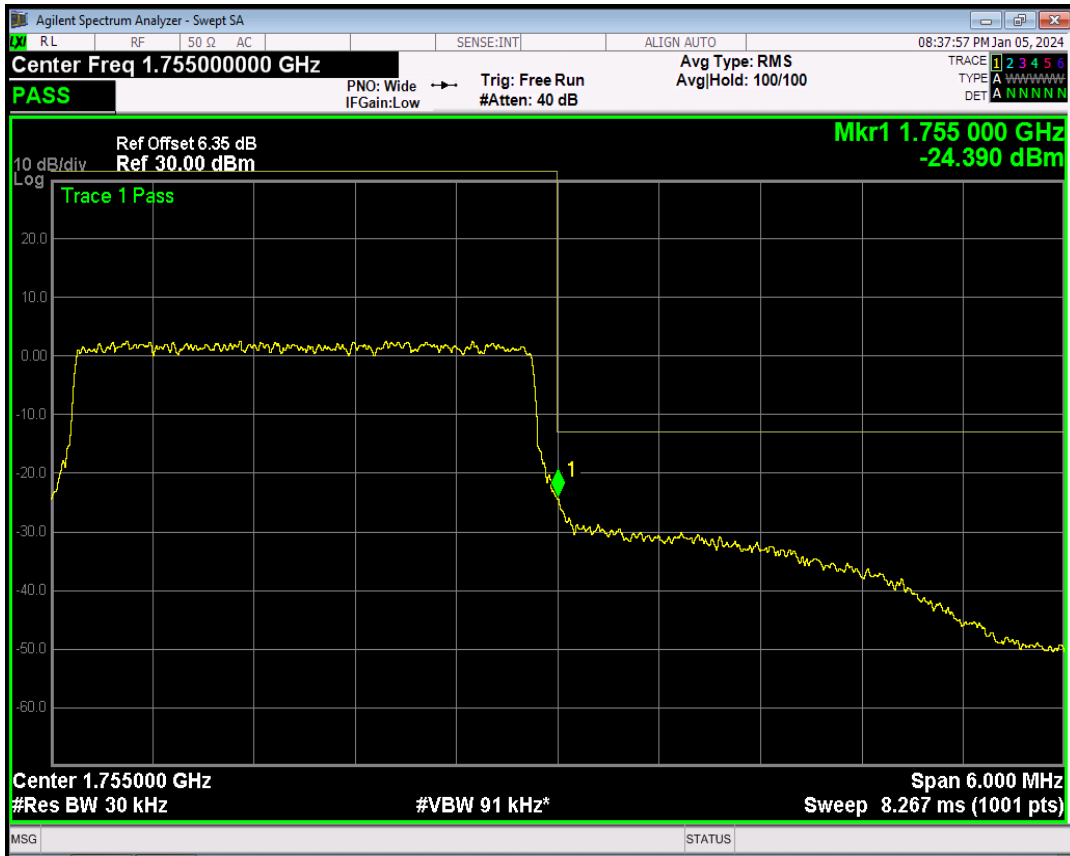


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



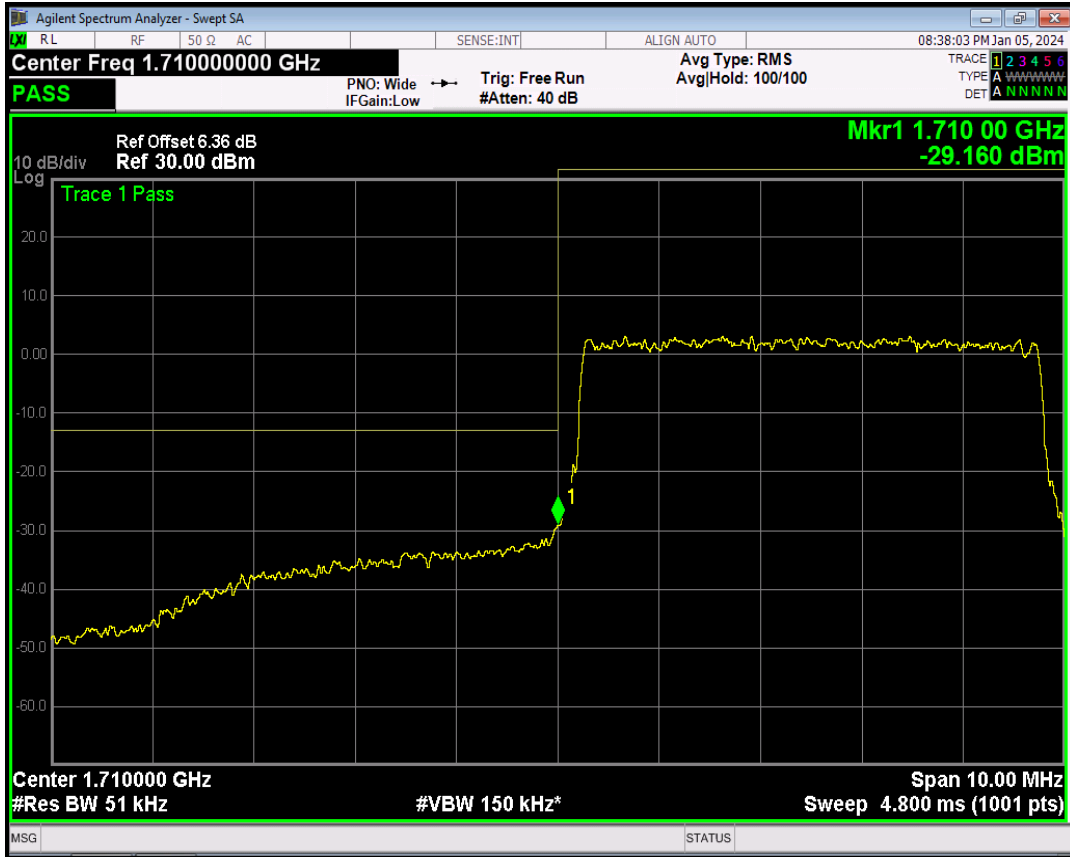


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

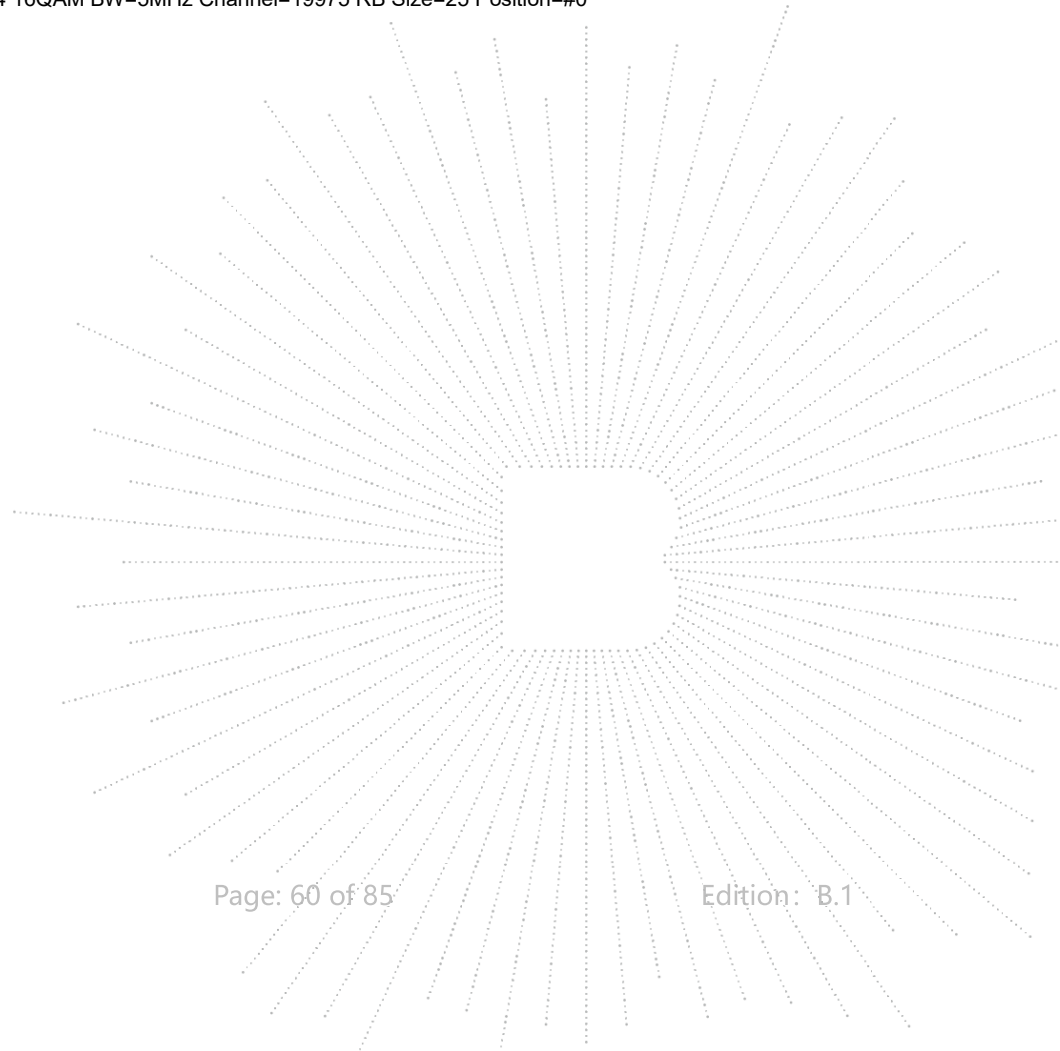


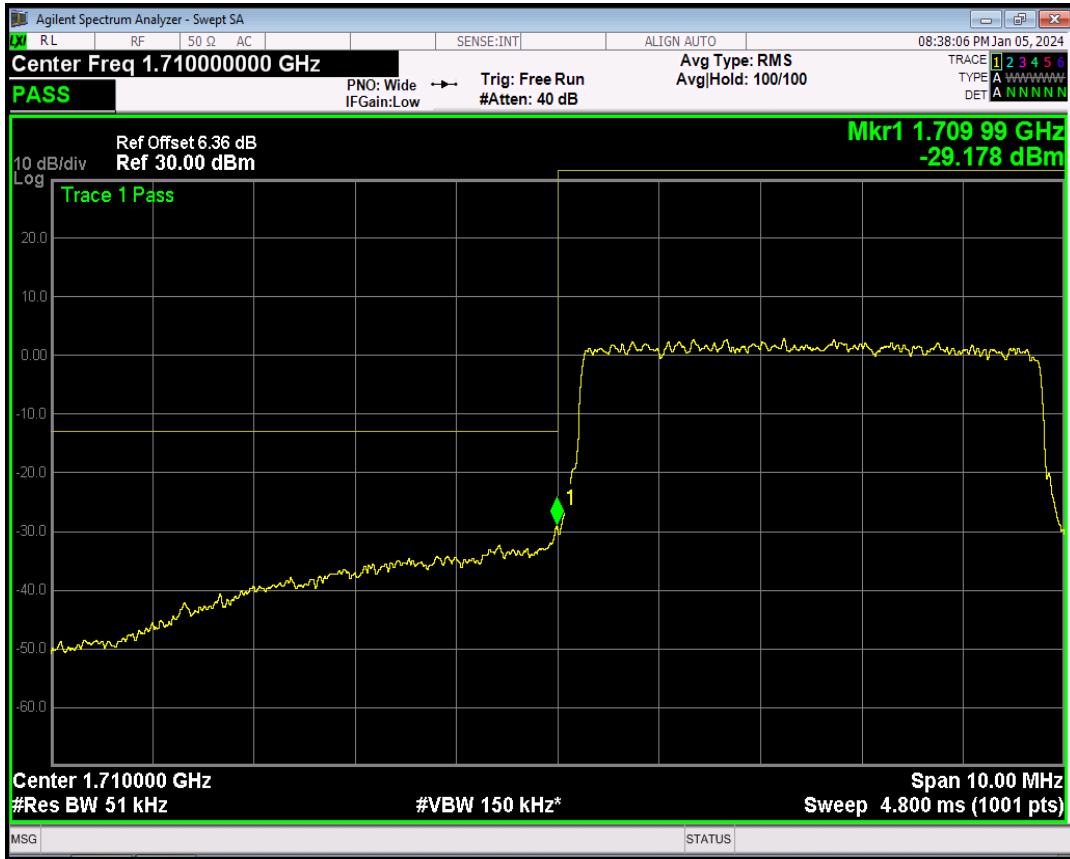


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



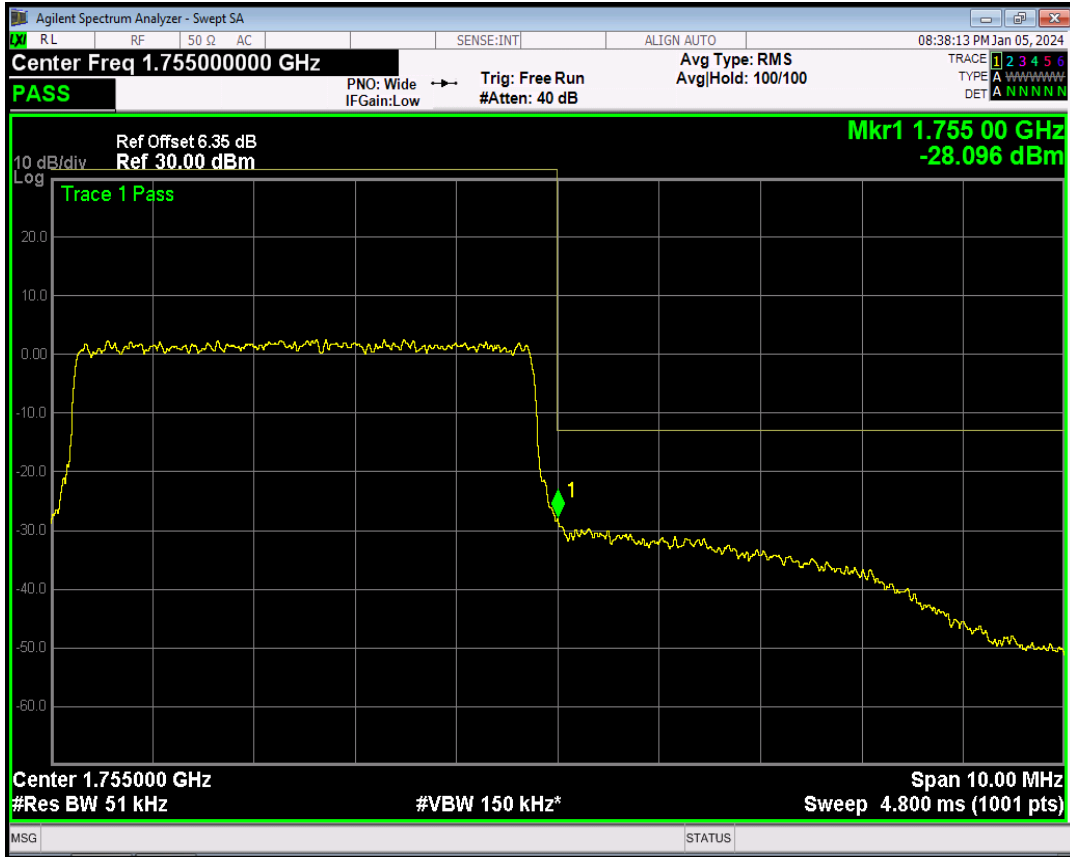


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

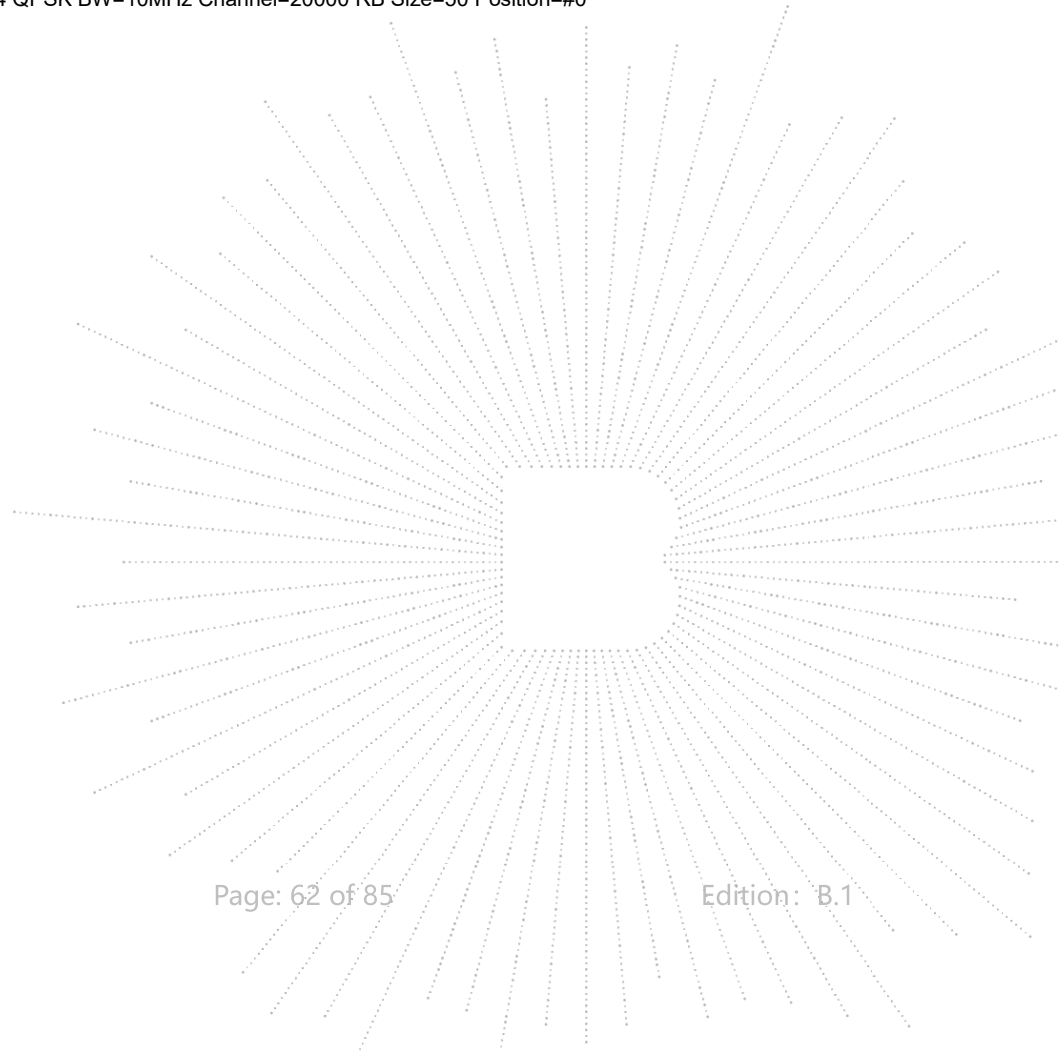


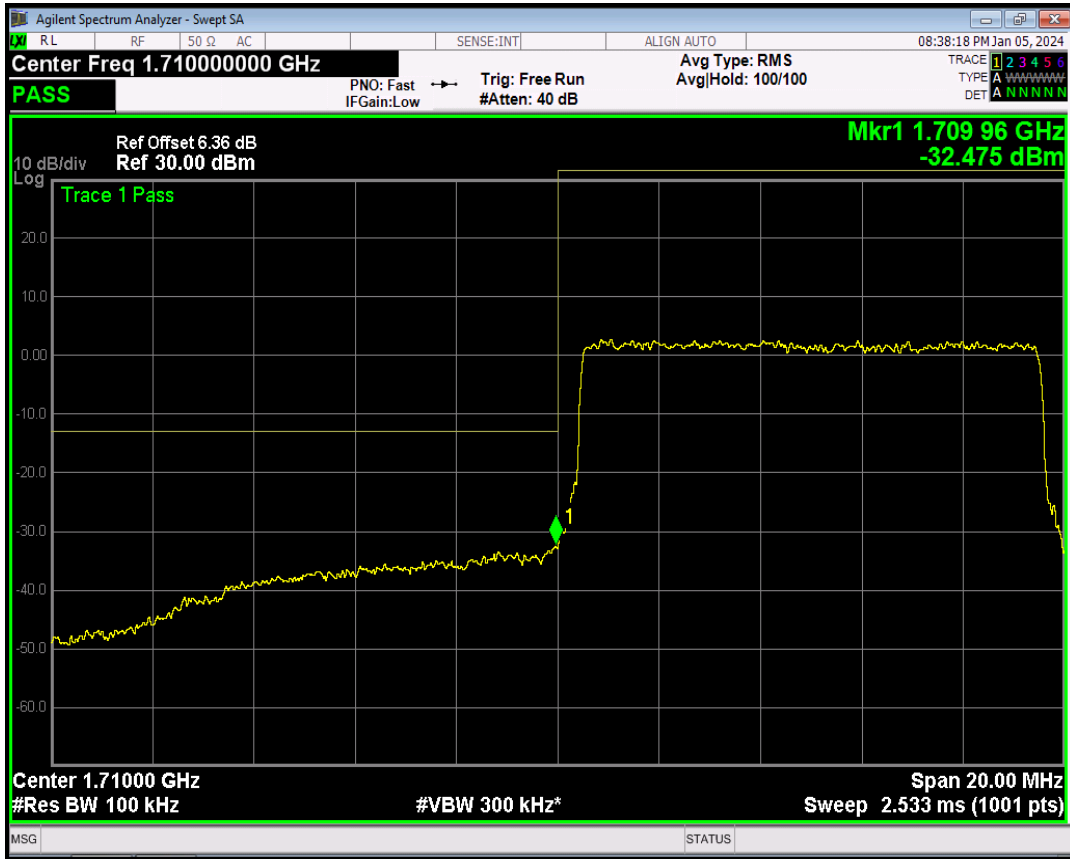


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

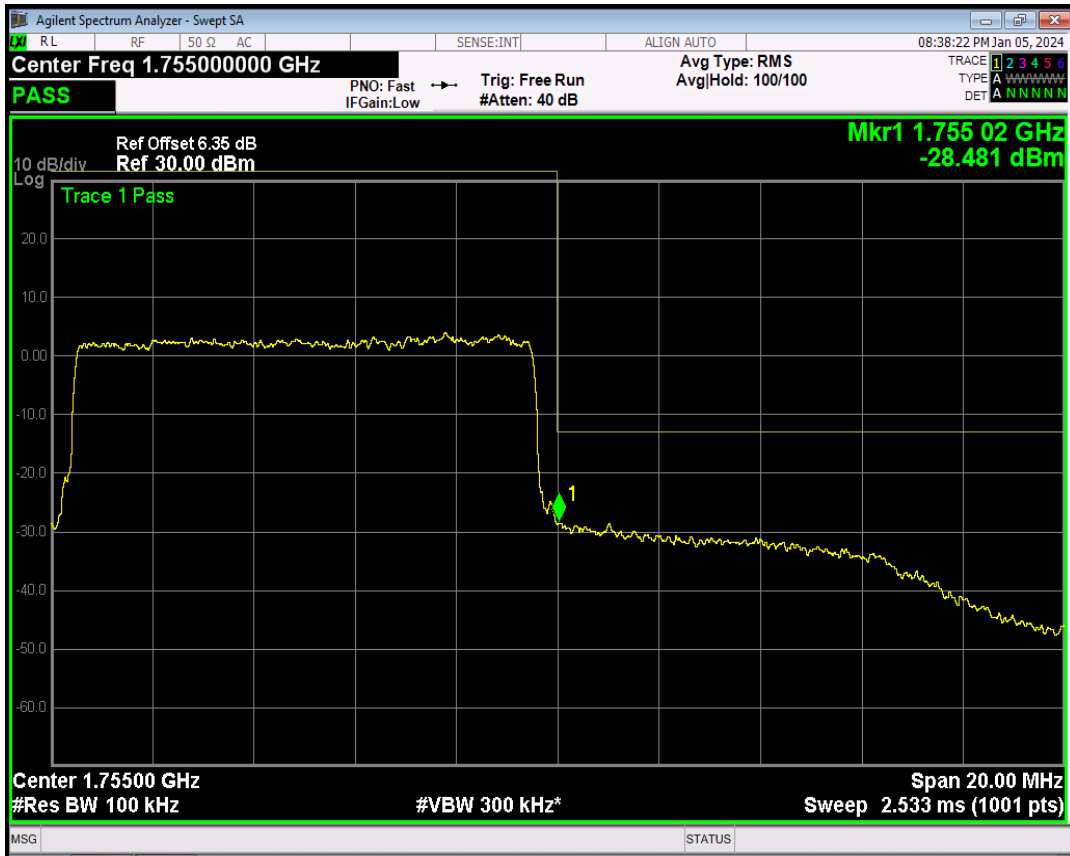


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

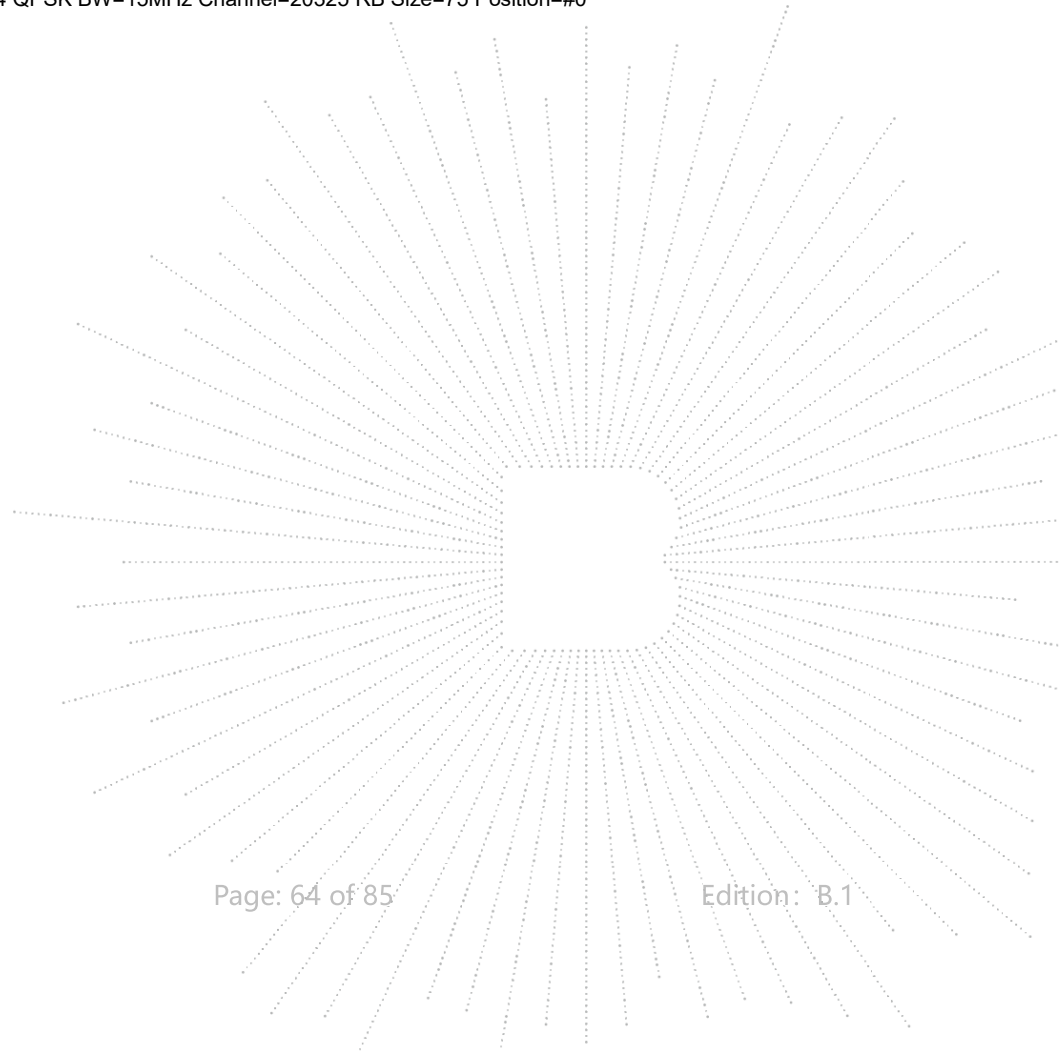




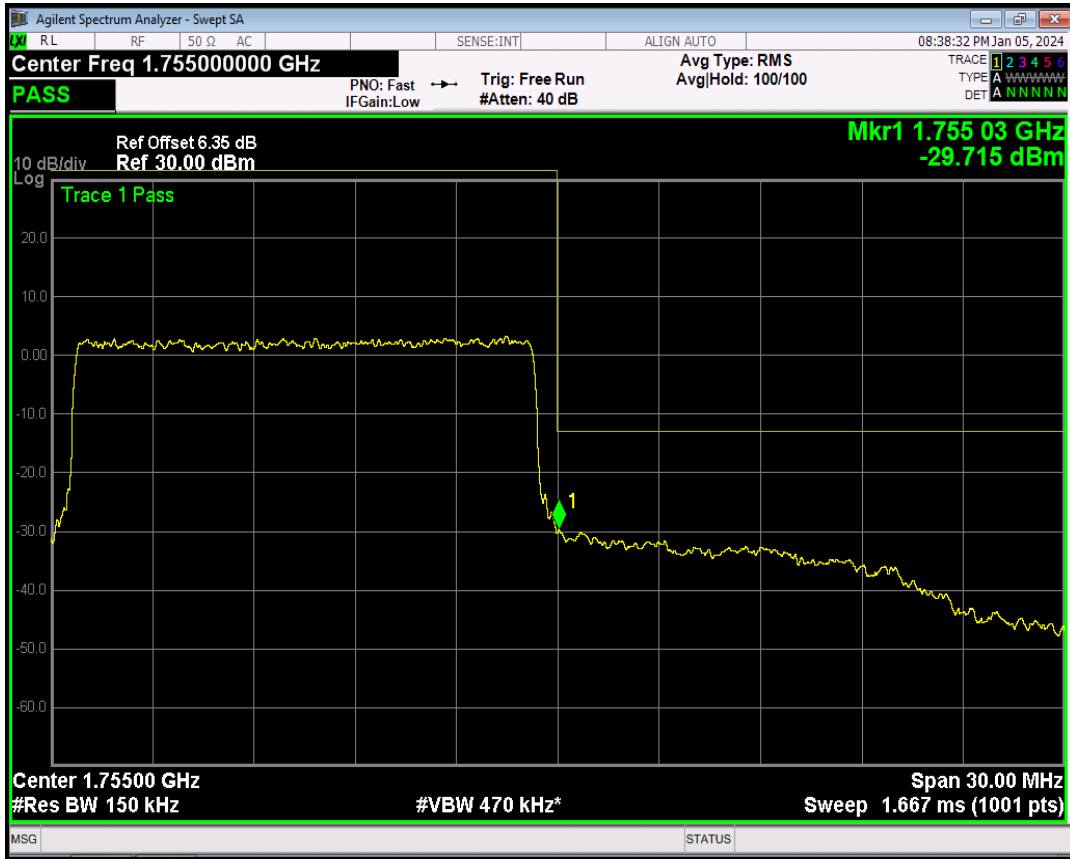
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



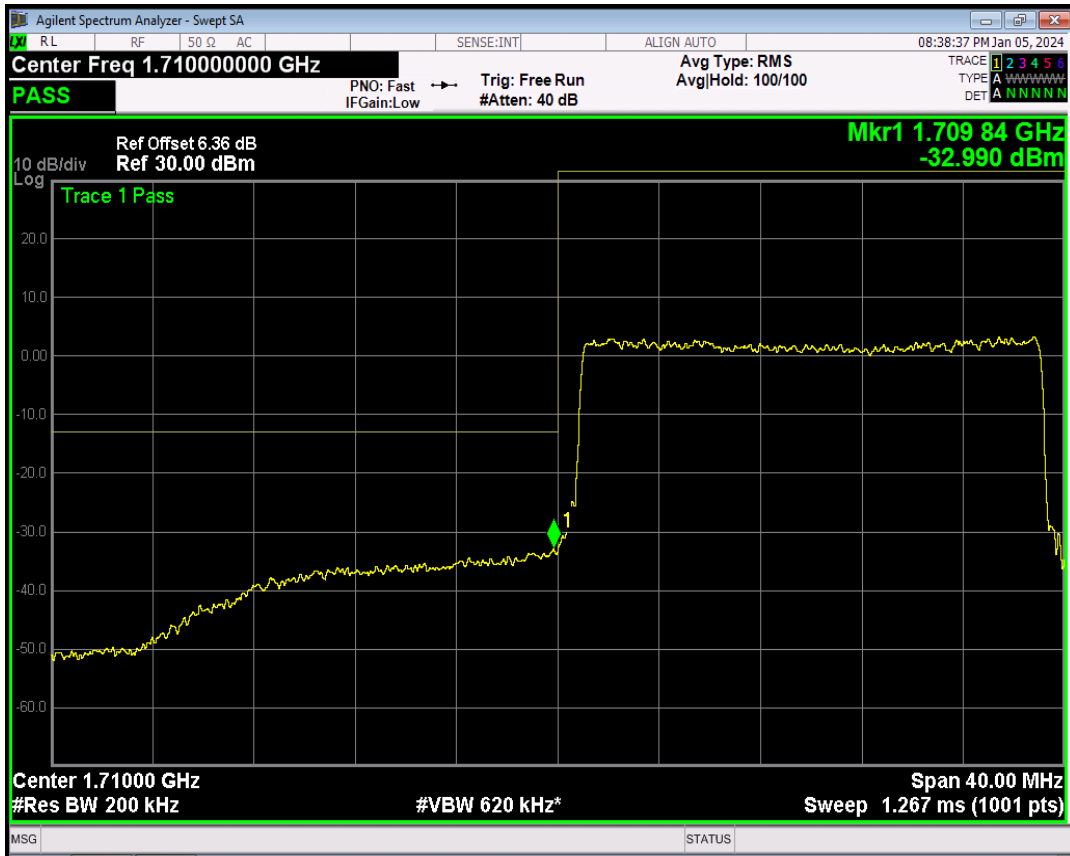
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0





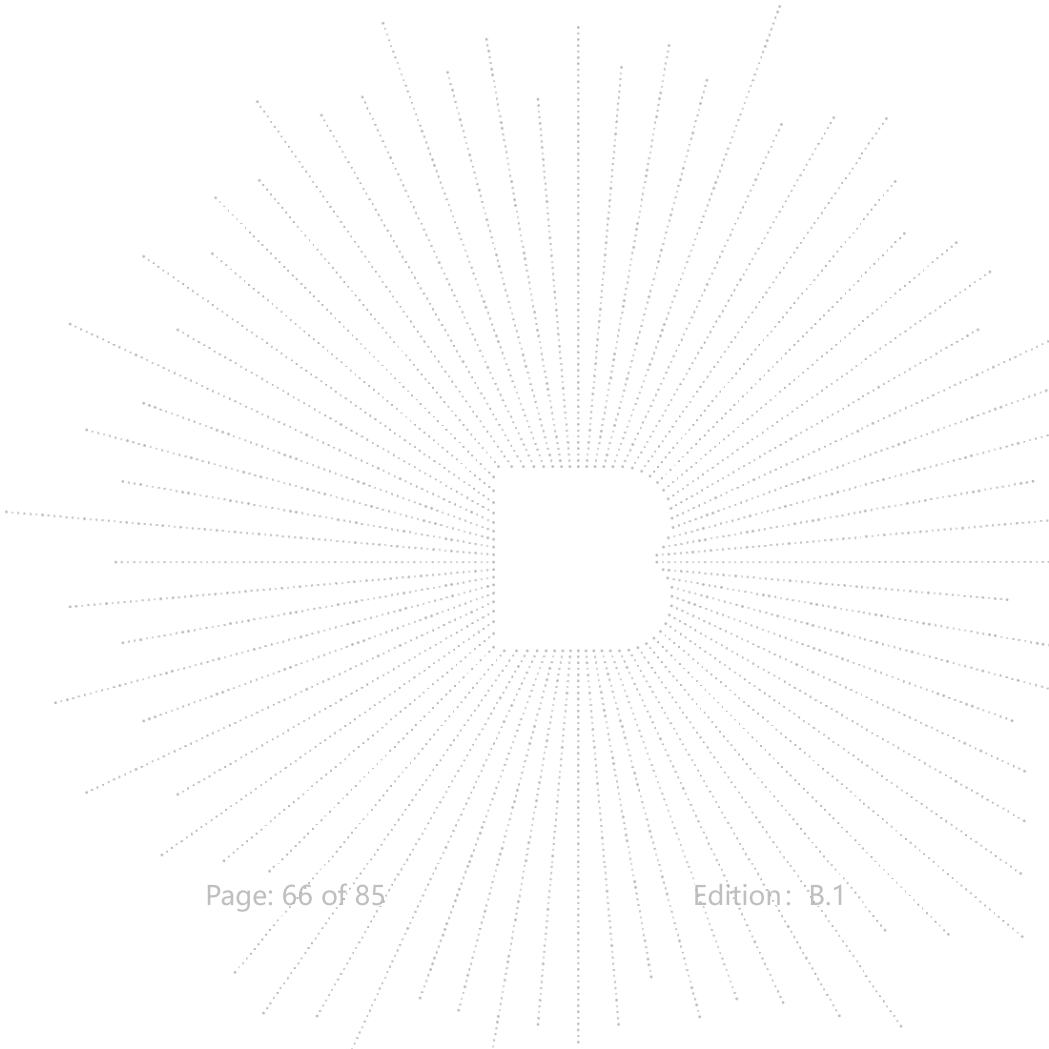


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0





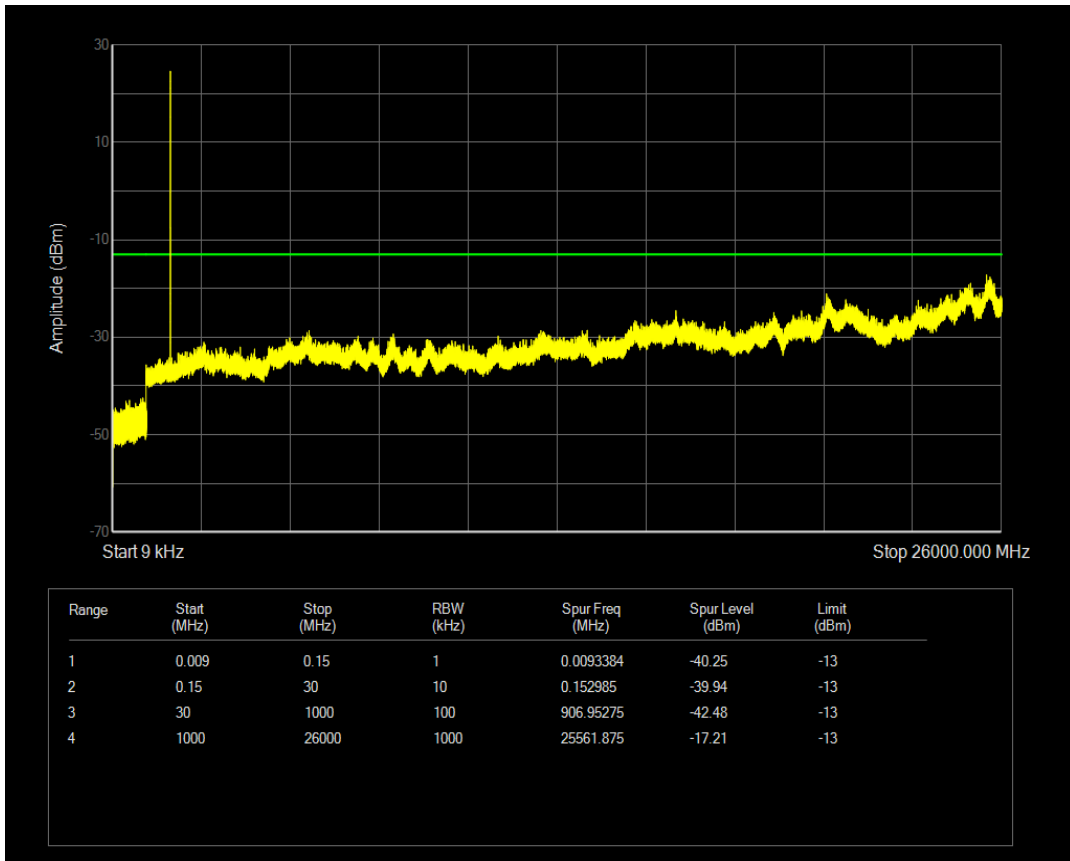
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



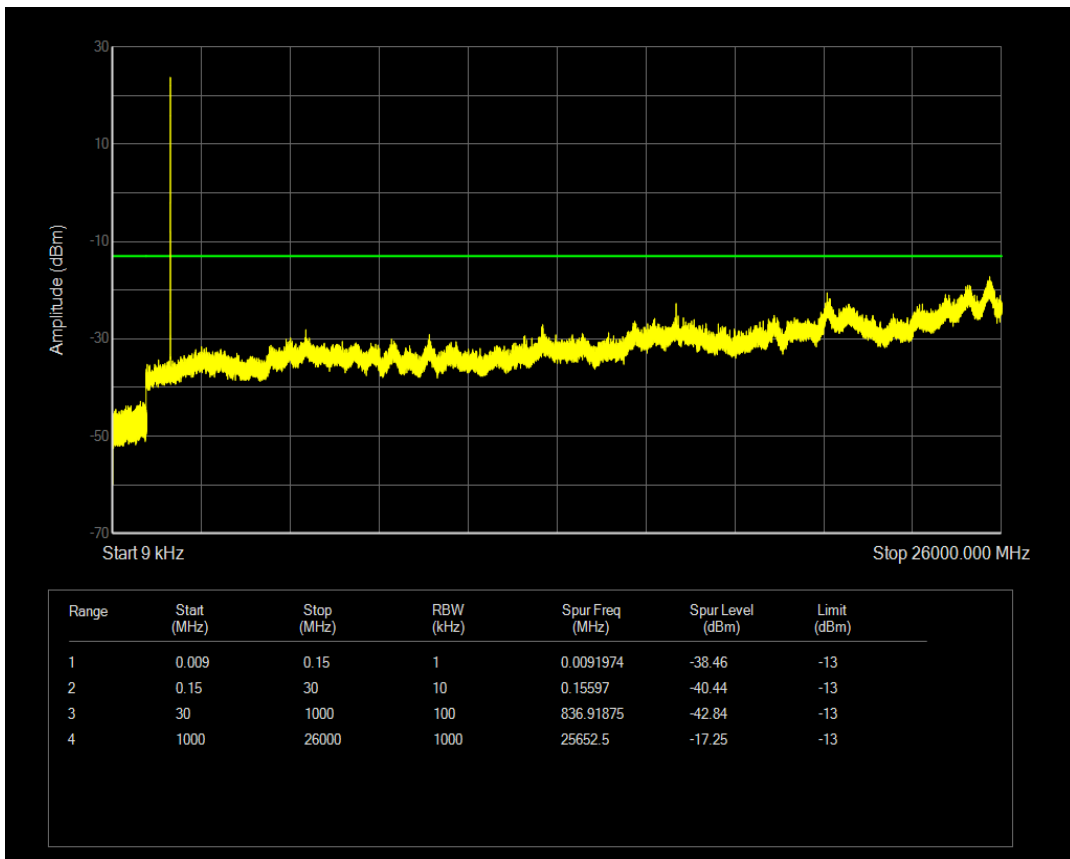
**Appendix 6. Out-of-band emissions**

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25561.88	-17.21	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25652.50	-17.25	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25608.13	-17.96	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25633.13	-17.76	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25605.63	-17.35	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25625.63	-17.85	-13	PASS
Band4	3	19965	15	#0	QPSK	25641.88	-17.59	-13	PASS
Band4	3	19965	15	#0	16QAM	25675.00	-17.44	-13	PASS
Band4	3	20175	15	#0	QPSK	25648.75	-16.83	-13	PASS
Band4	3	20175	15	#0	16QAM	25688.13	-17.54	-13	PASS
Band4	3	20385	15	#0	QPSK	25581.25	-17.62	-13	PASS
Band4	3	20385	15	#0	16QAM	25678.13	-17.90	-13	PASS
Band4	5	19975	25	#0	QPSK	25660.63	-17.20	-13	PASS
Band4	5	19975	25	#0	16QAM	25628.75	-16.96	-13	PASS
Band4	5	20175	25	#0	QPSK	25634.38	-17.76	-13	PASS
Band4	5	20175	25	#0	16QAM	25655.00	-17.93	-13	PASS
Band4	5	20375	25	#0	QPSK	25649.38	-17.01	-13	PASS
Band4	5	20375	25	#0	16QAM	25680.00	-17.68	-13	PASS
Band4	10	20000	50	#0	QPSK	25618.75	-17.80	-13	PASS
Band4	10	20175	50	#0	QPSK	25603.13	-17.48	-13	PASS
Band4	10	20350	50	#0	QPSK	25631.88	-16.56	-13	PASS
Band4	15	20025	75	#0	QPSK	25581.25	-16.99	-13	PASS
Band4	15	20175	75	#0	QPSK	25590.00	-18.01	-13	PASS
Band4	15	20325	75	#0	QPSK	25635.63	-18.27	-13	PASS
Band4	20	20050	100	#0	QPSK	25660.00	-17.86	-13	PASS
Band4	20	20175	100	#0	QPSK	25651.25	-17.32	-13	PASS
Band4	20	20300	100	#0	QPSK	25689.38	-17.36	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

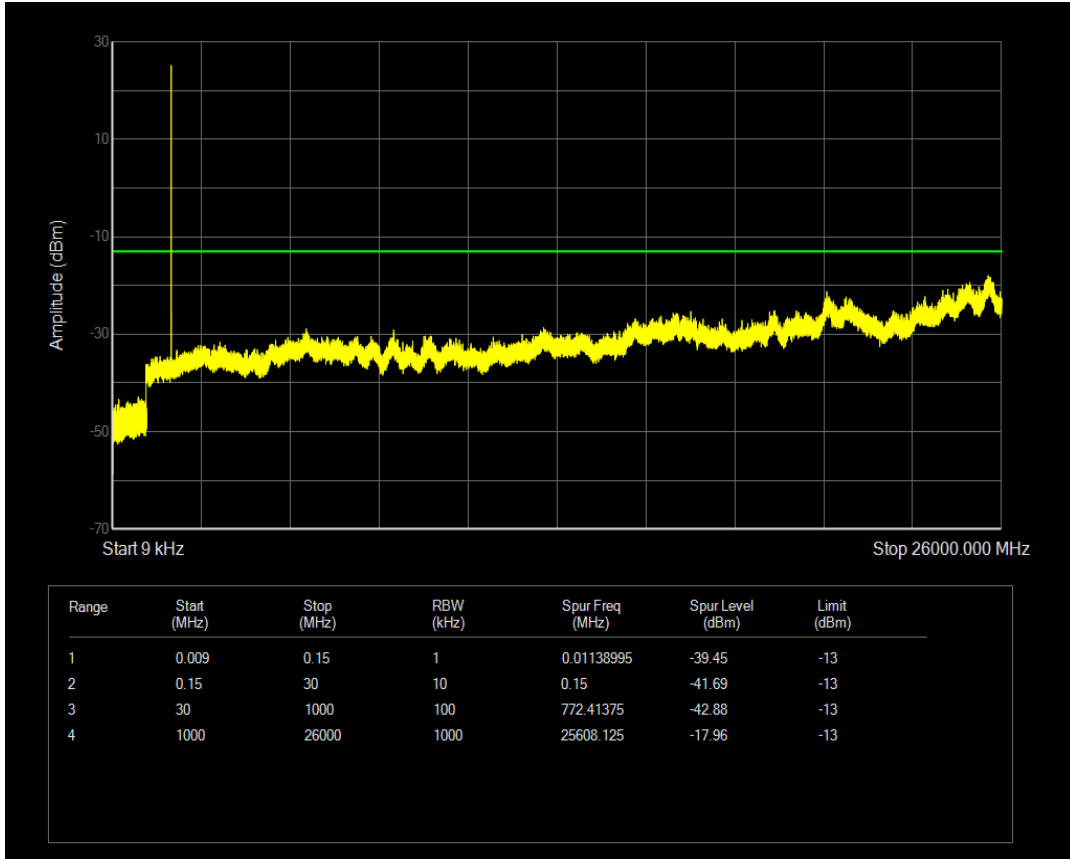


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

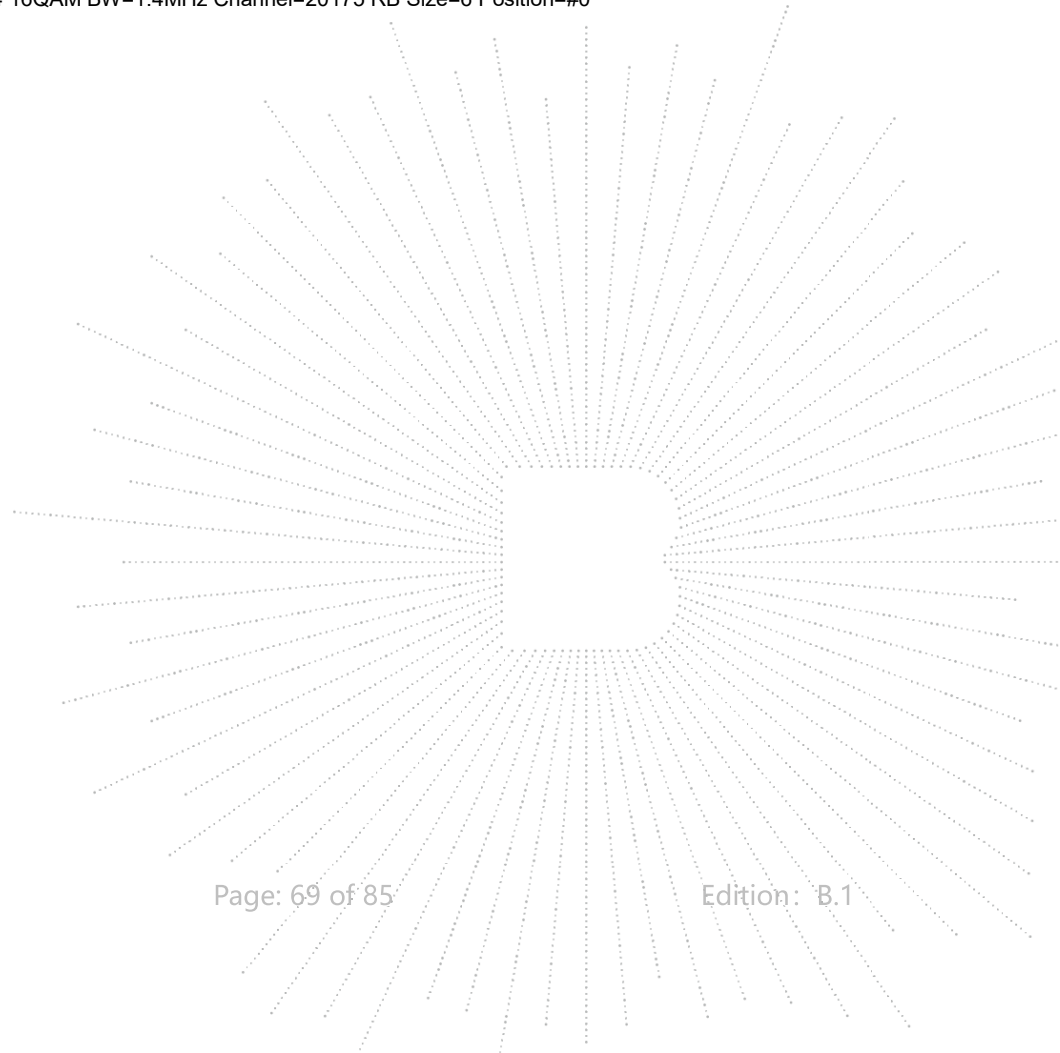


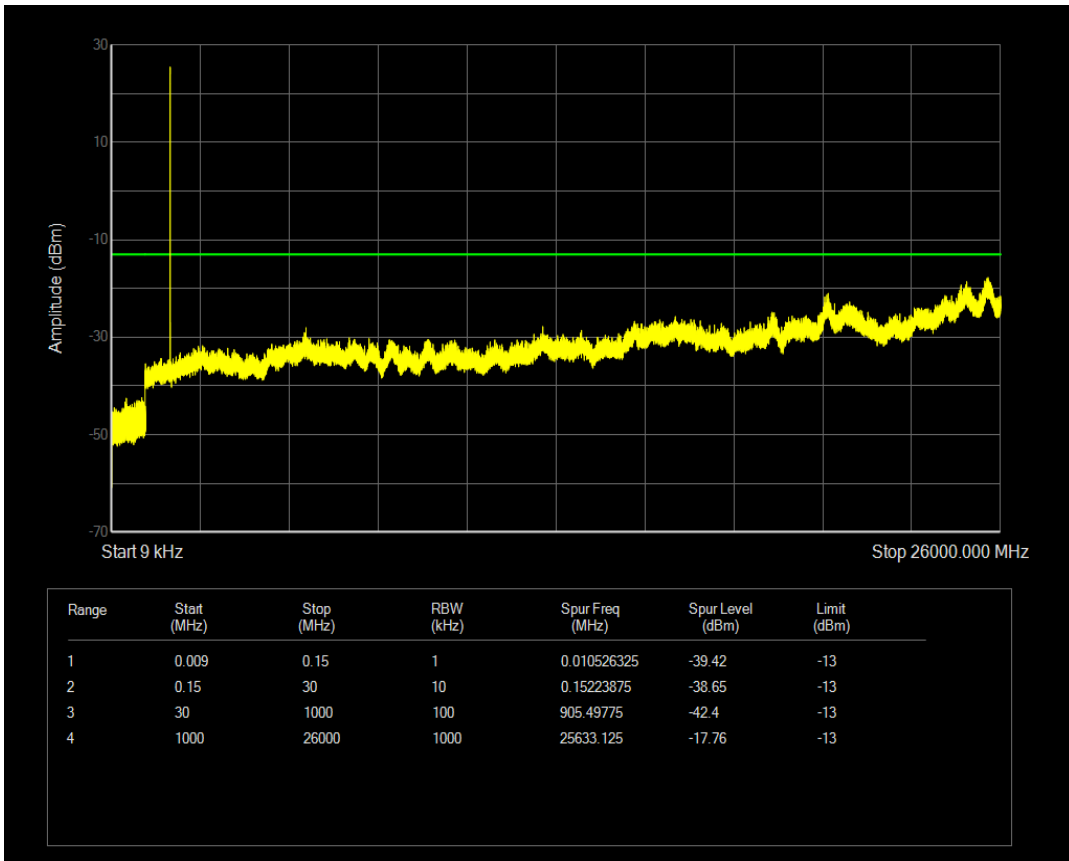


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

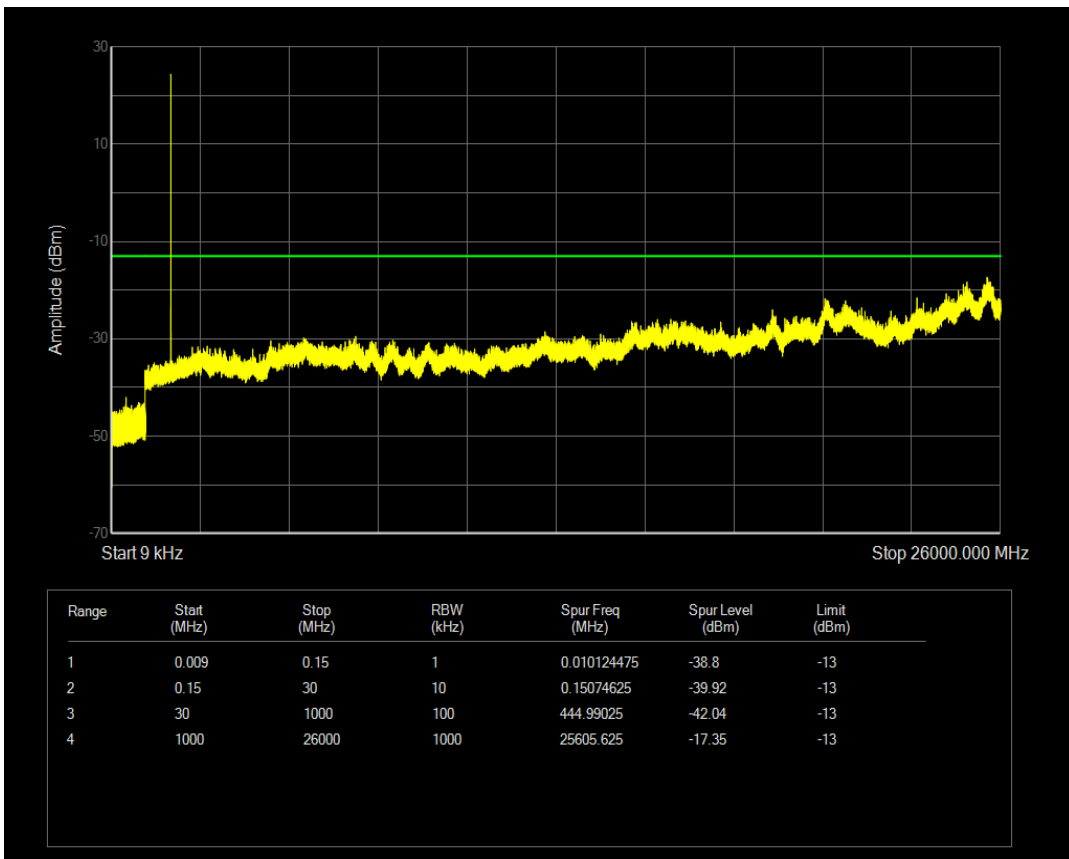


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



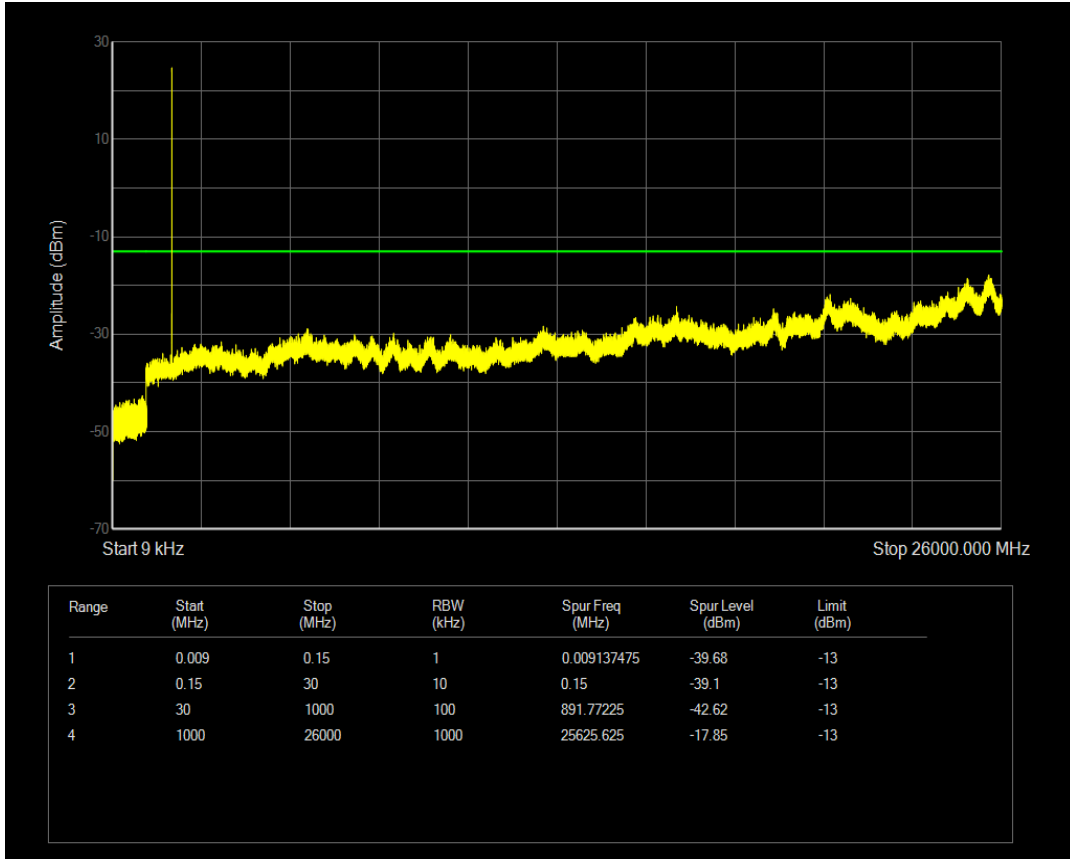


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

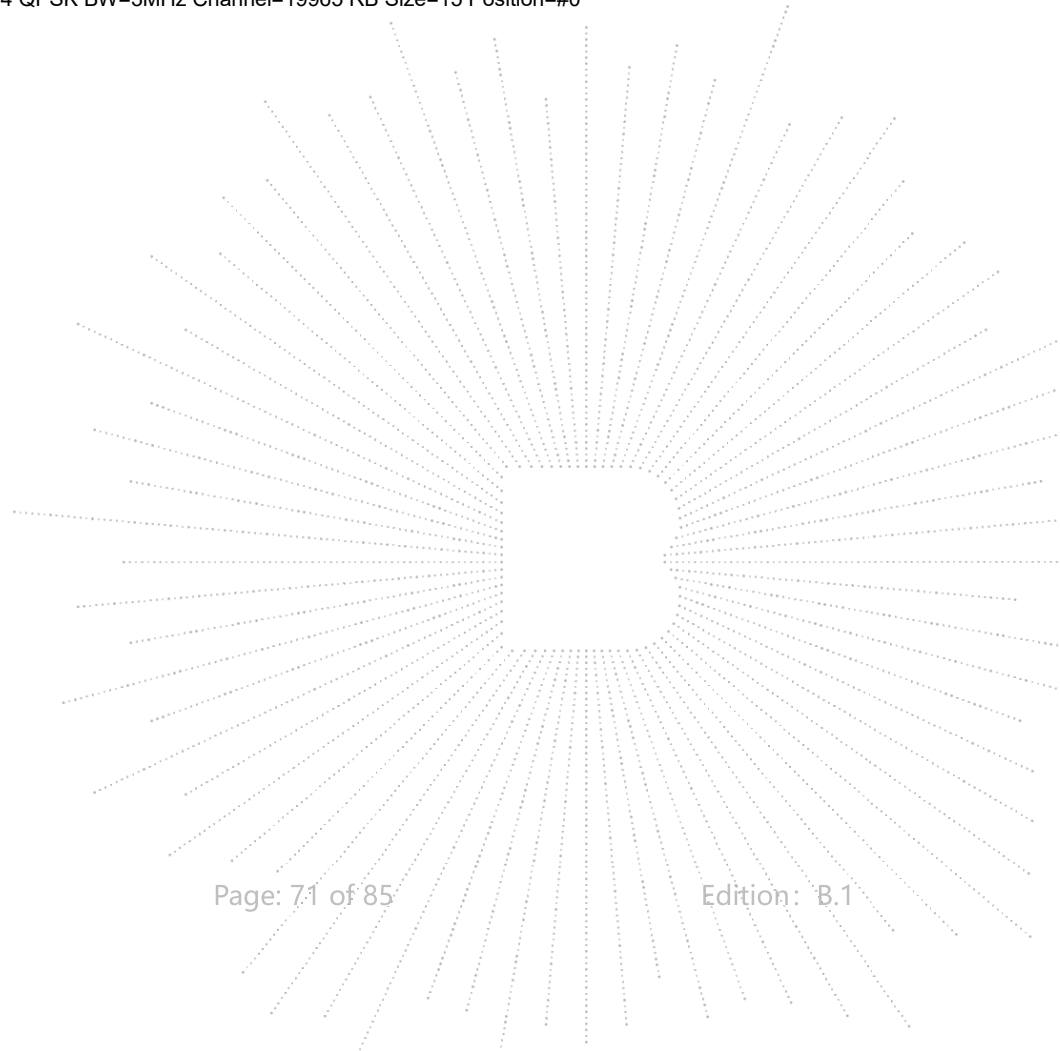


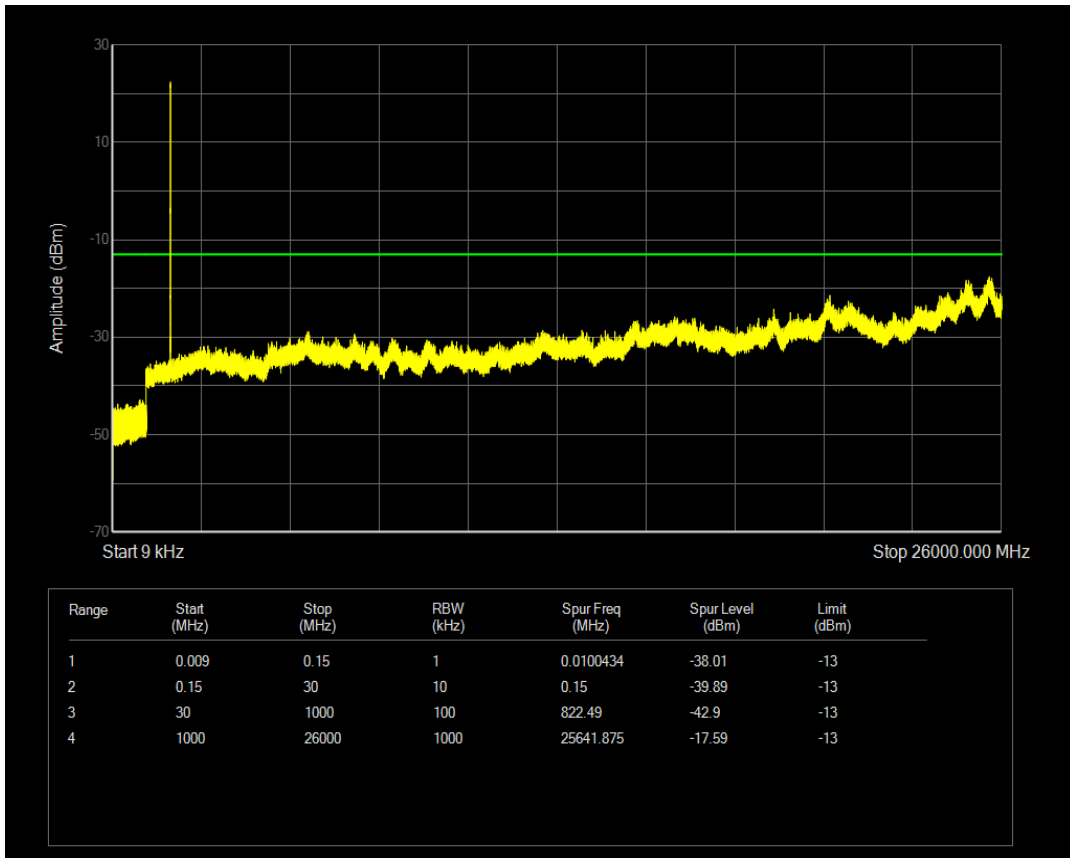


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

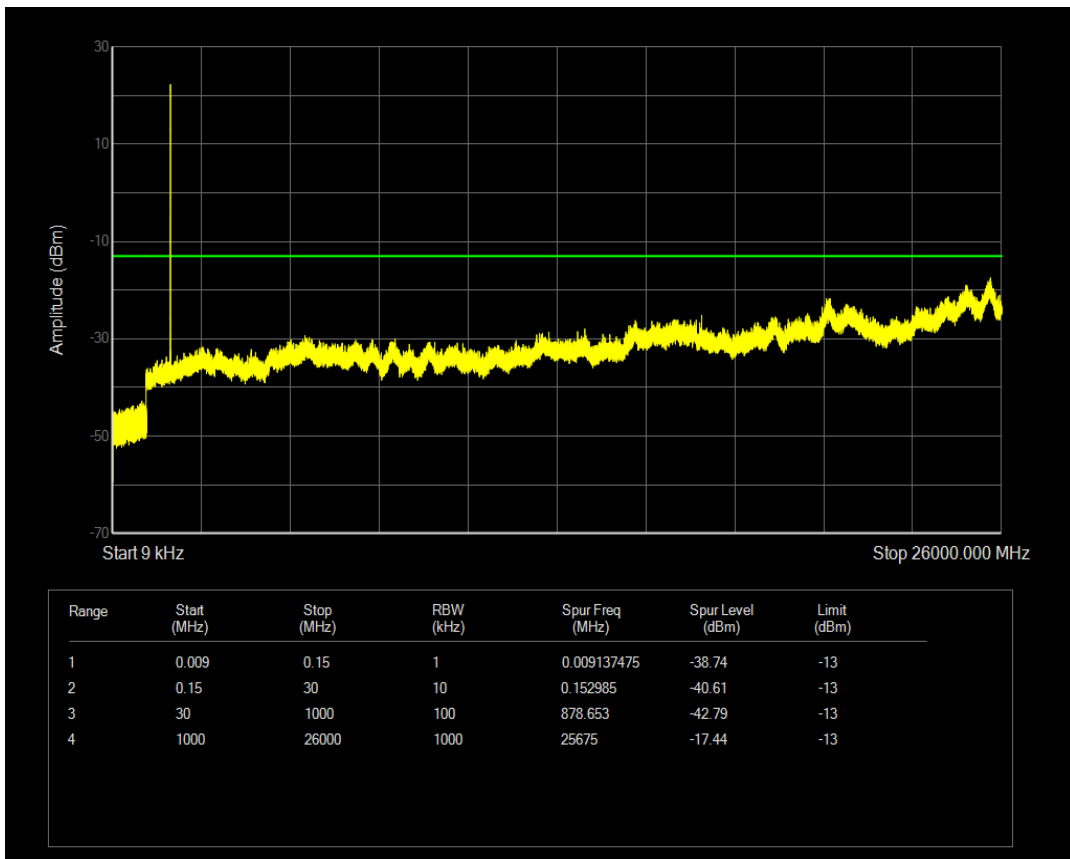


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0





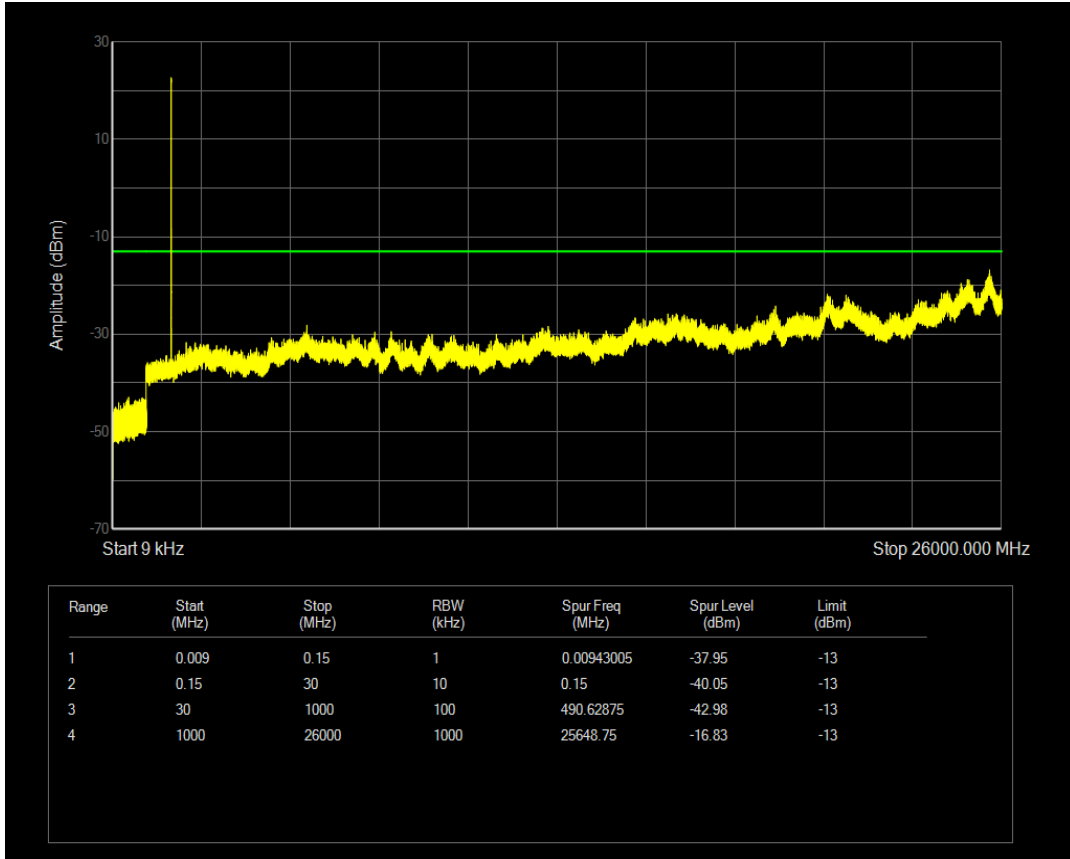
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



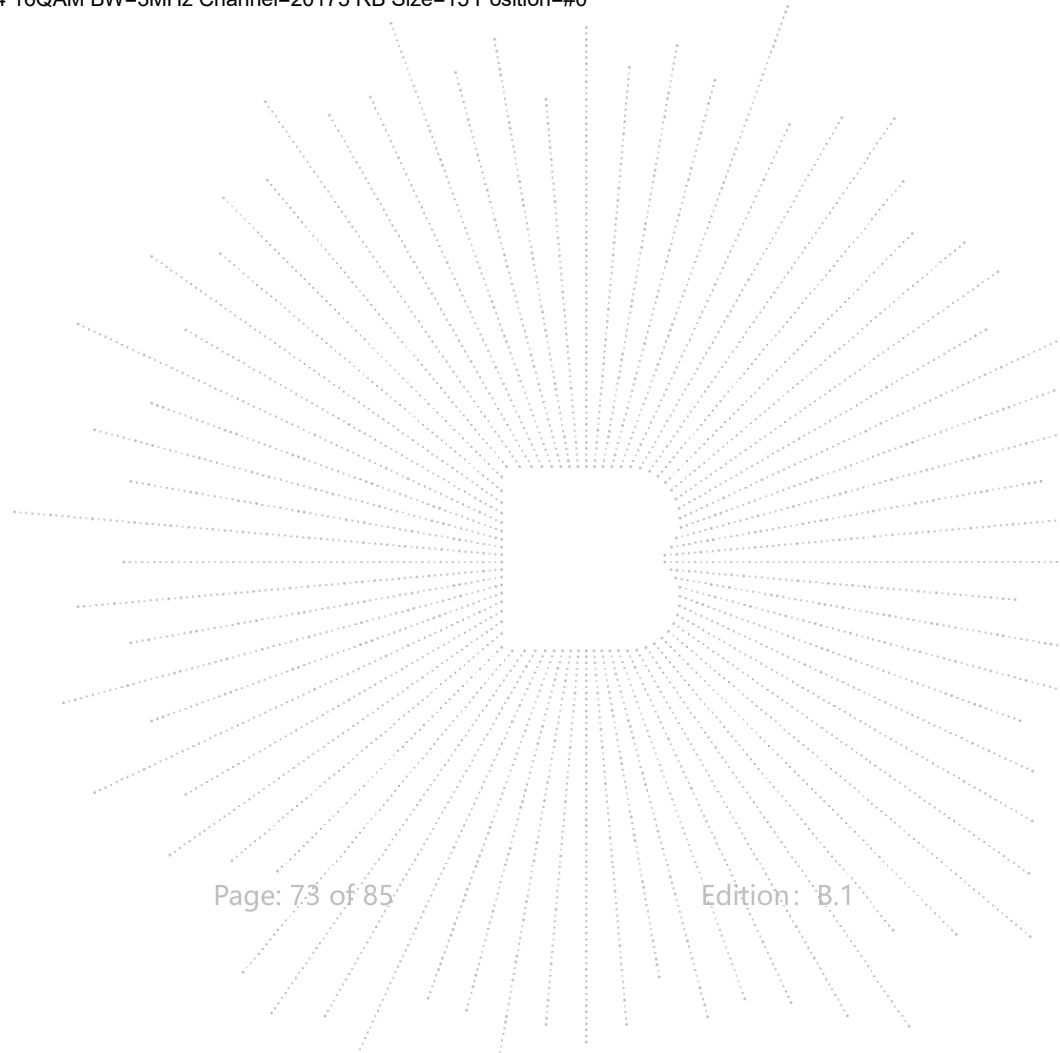


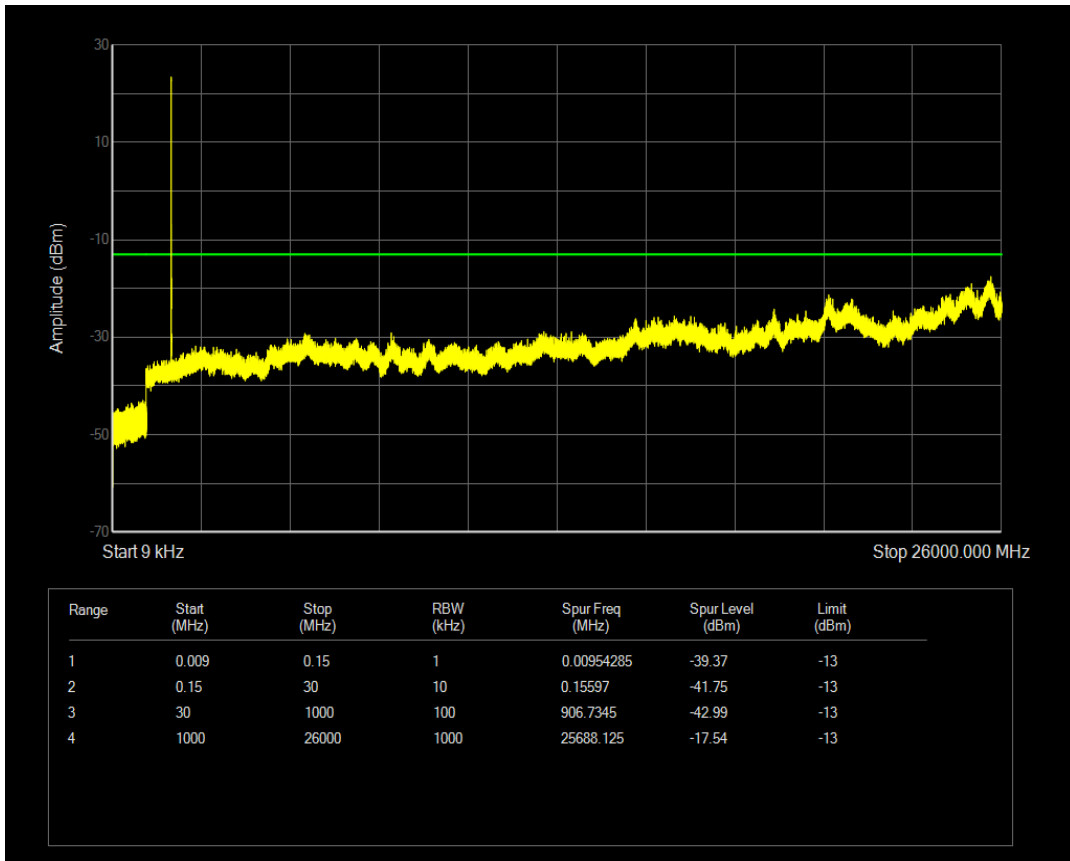


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

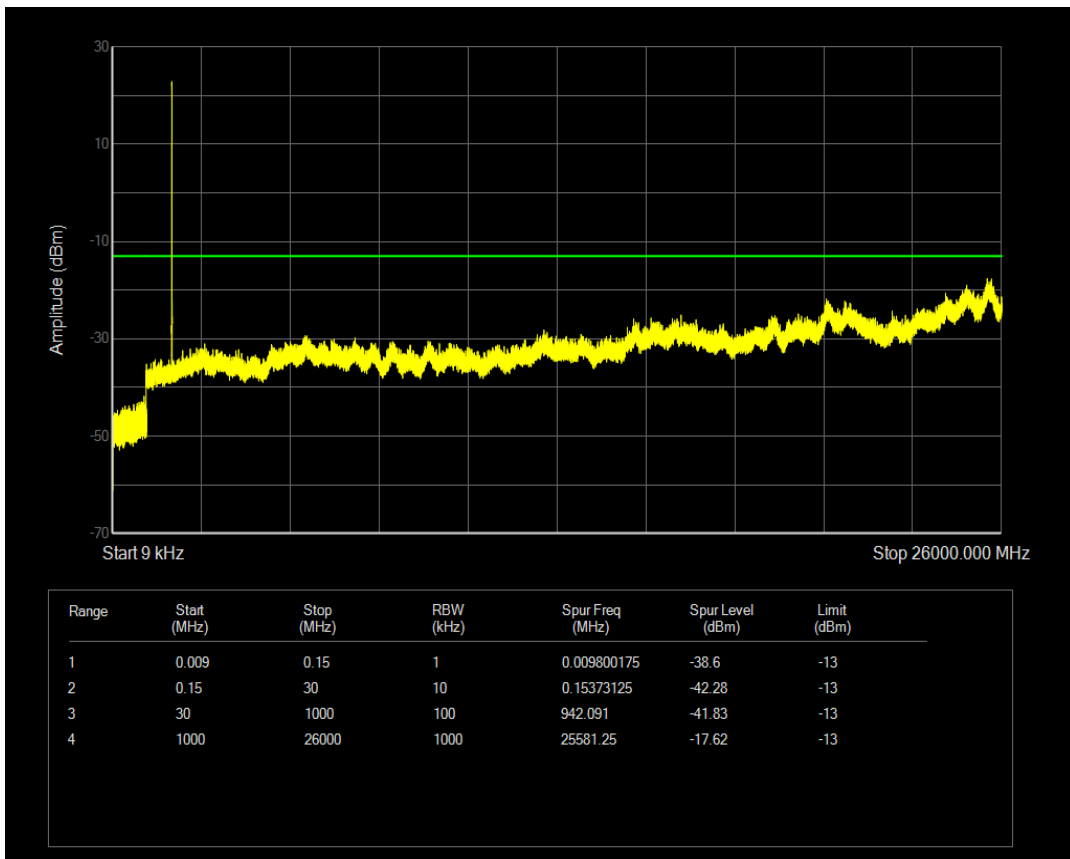


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



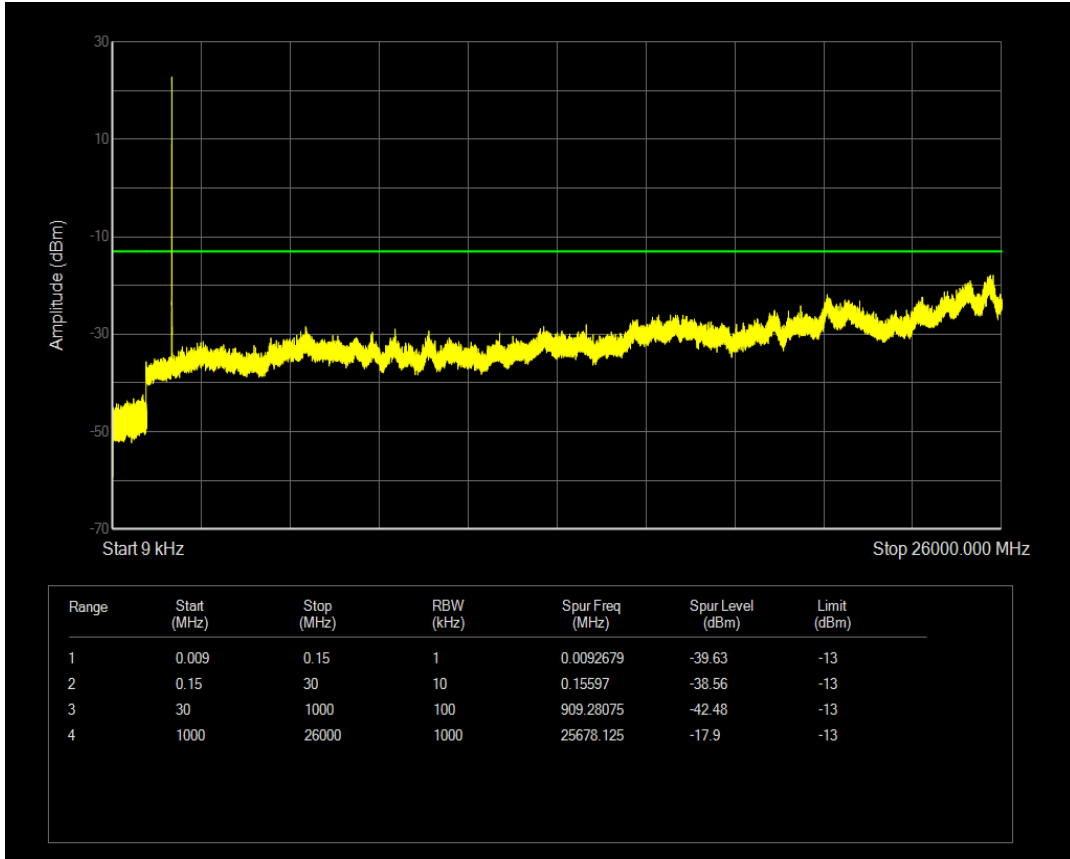


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

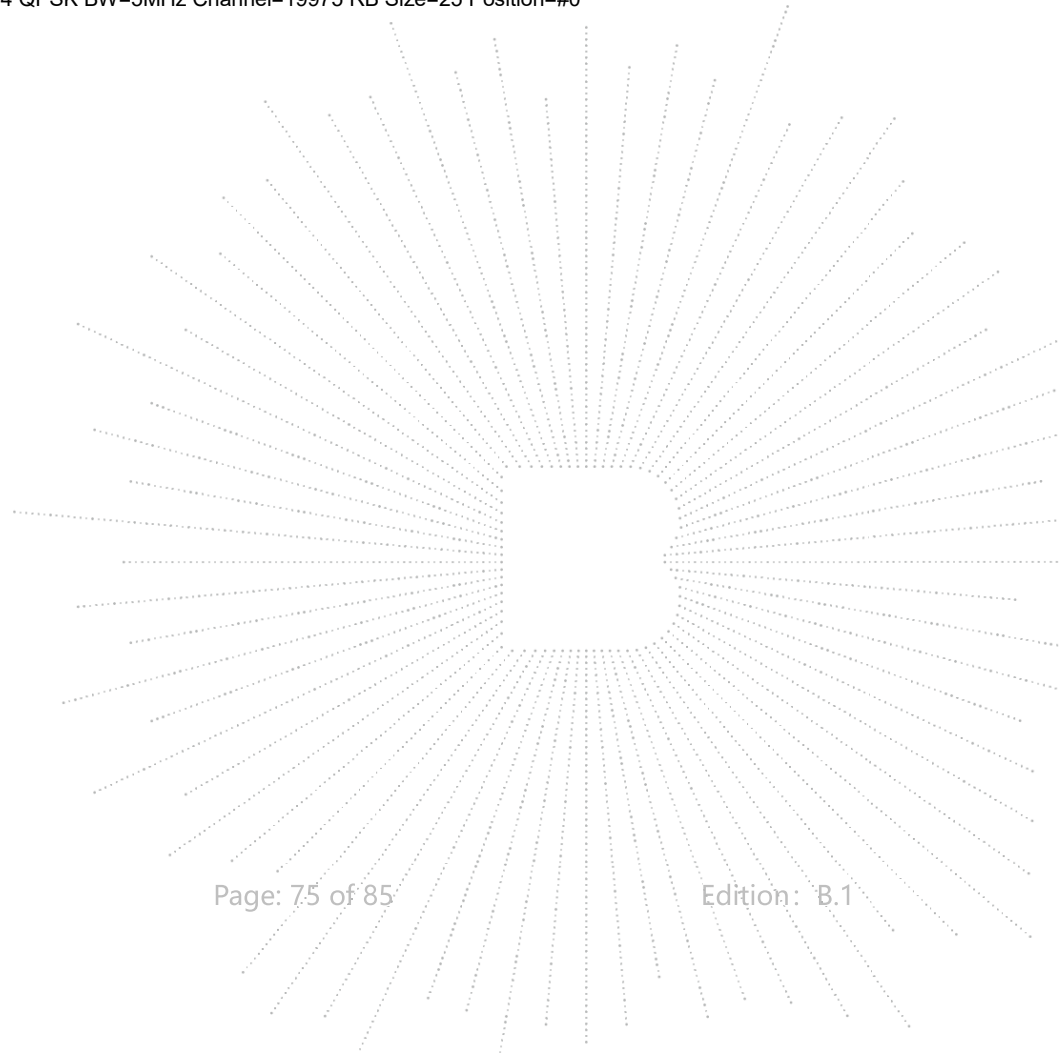


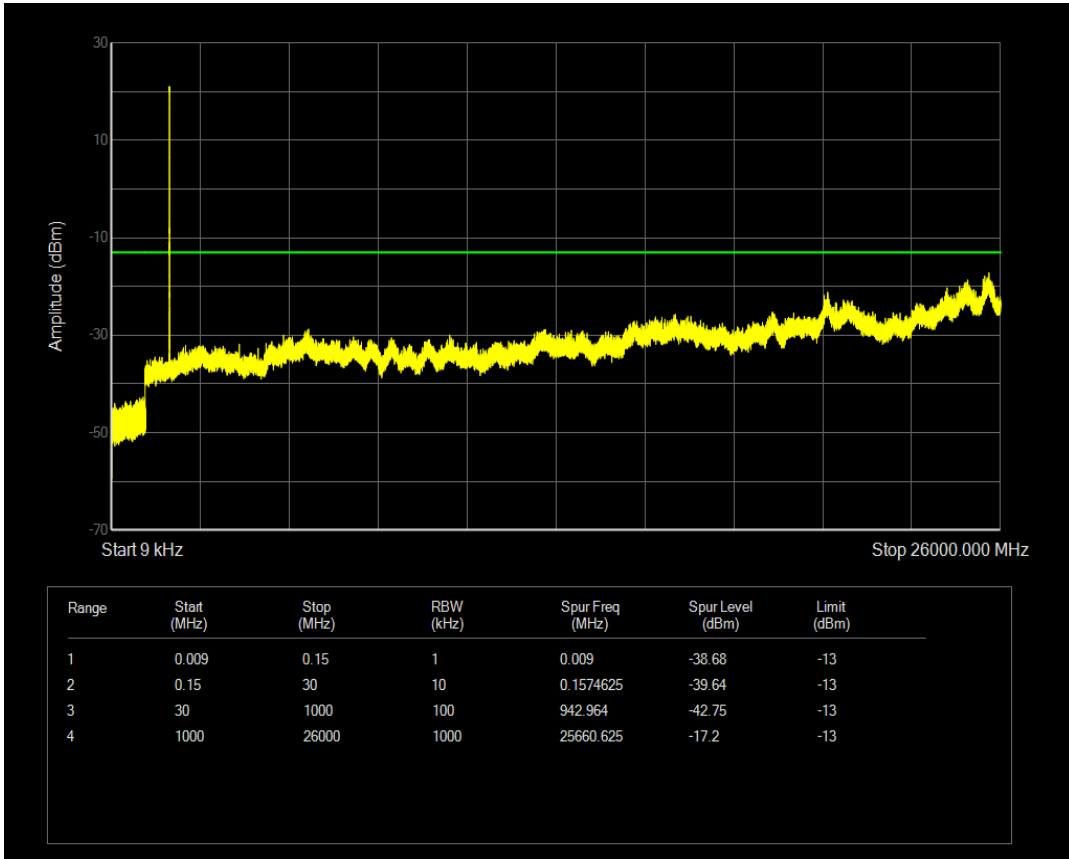


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

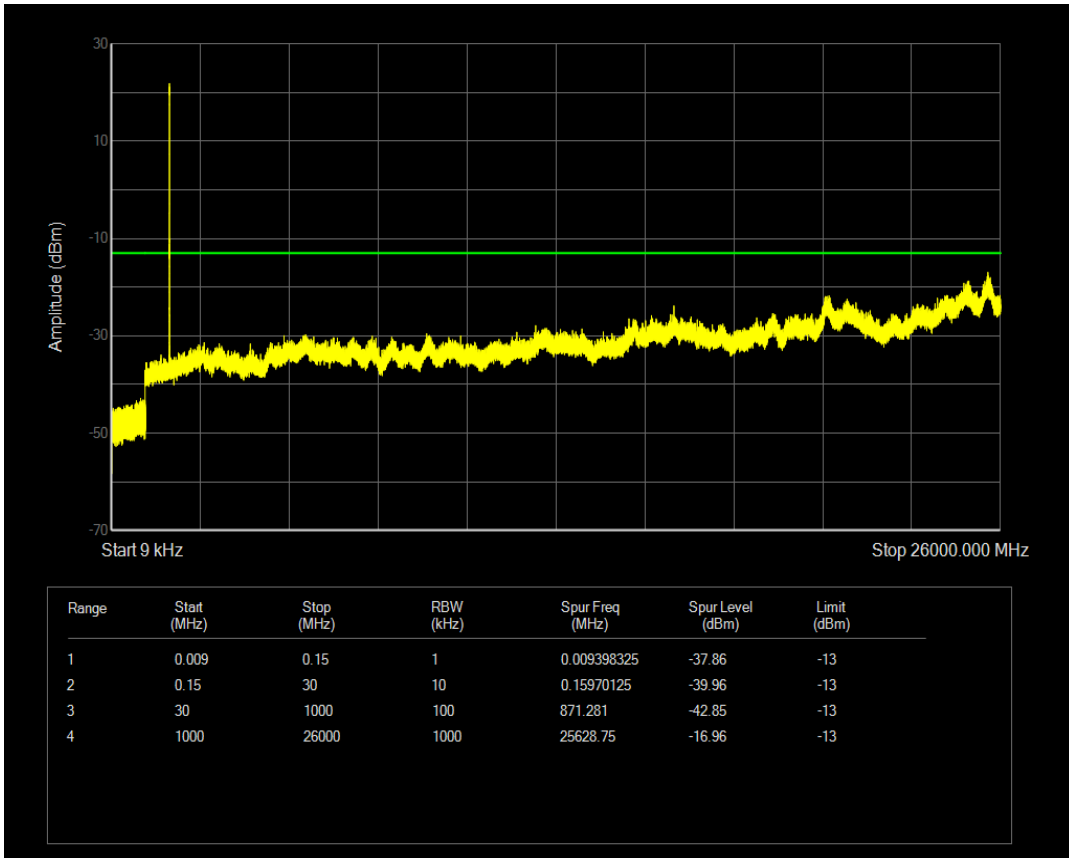


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



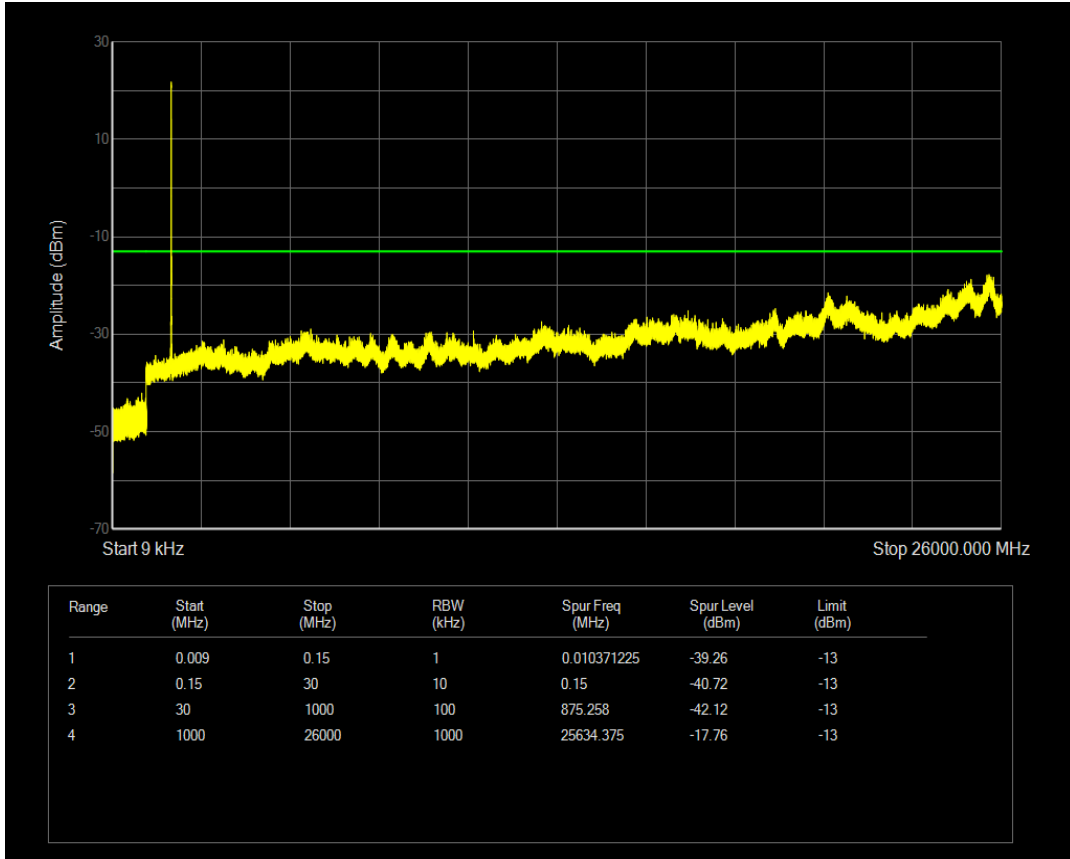


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

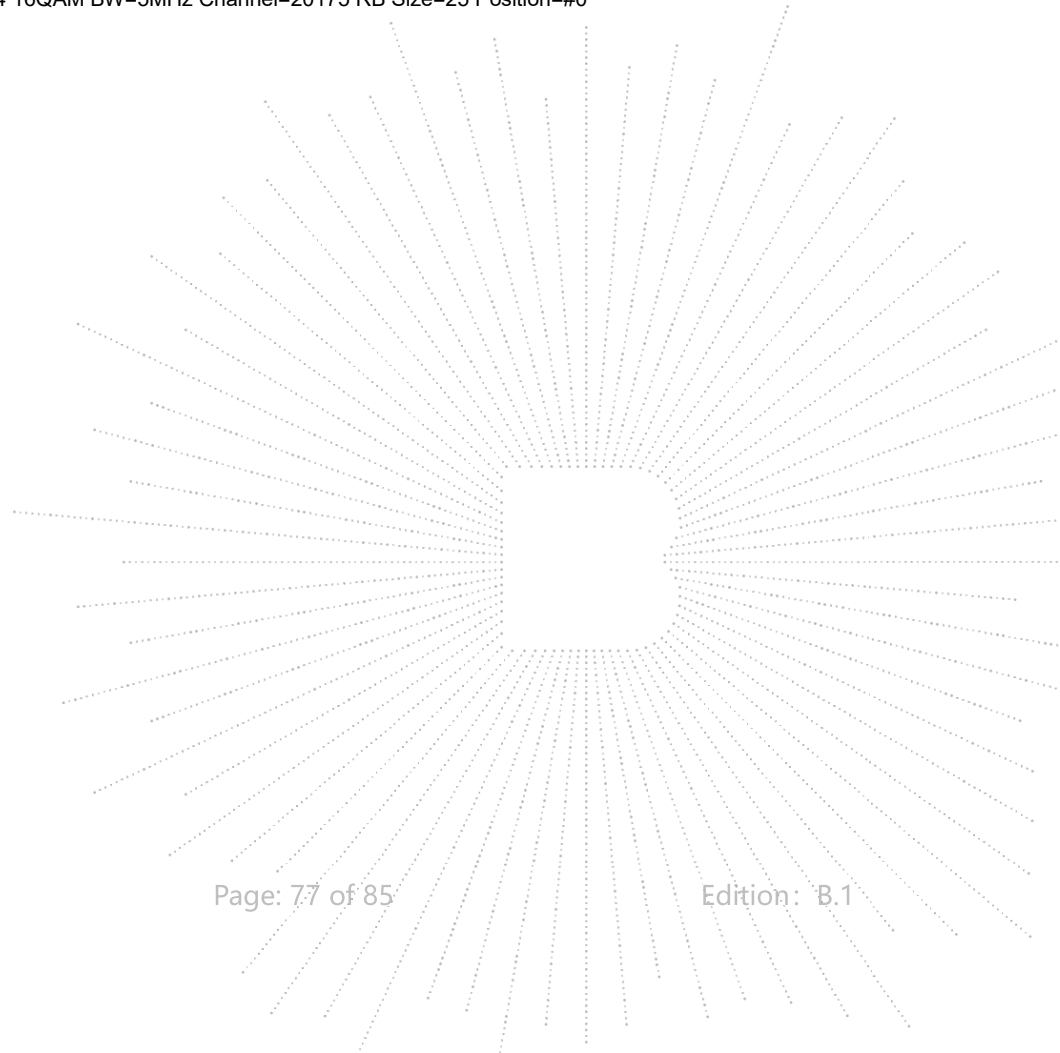


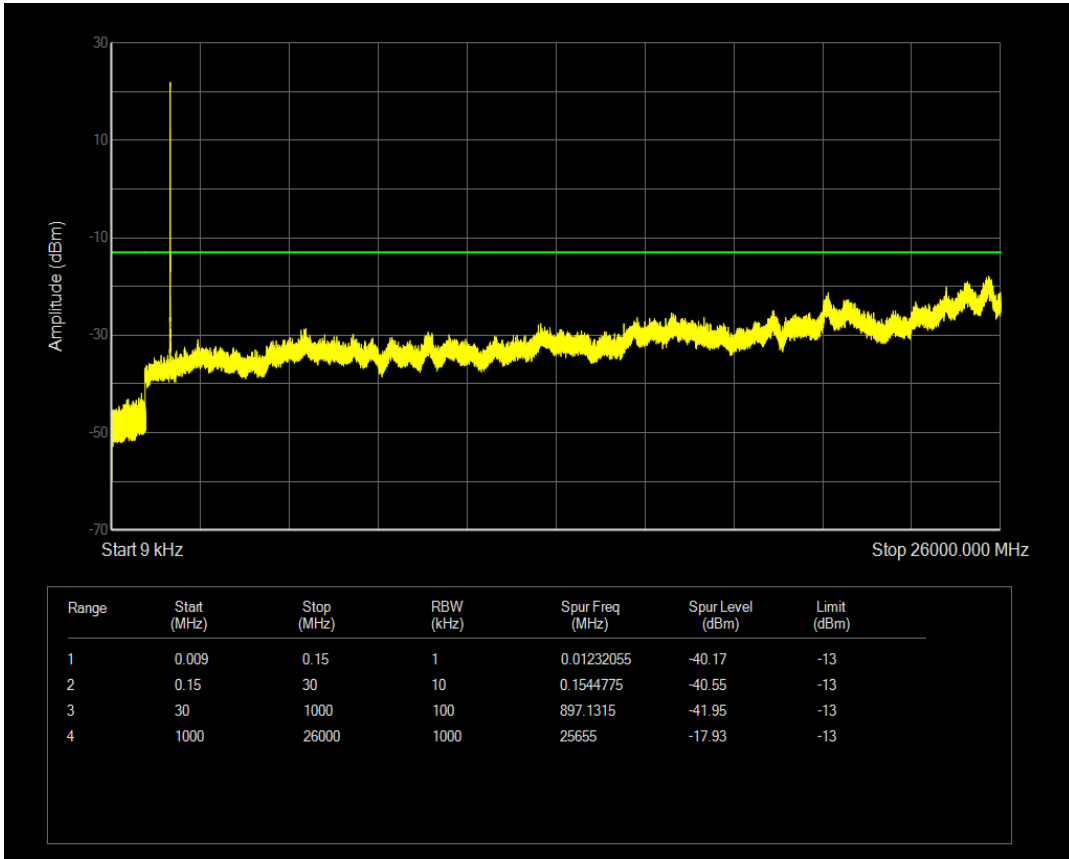


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

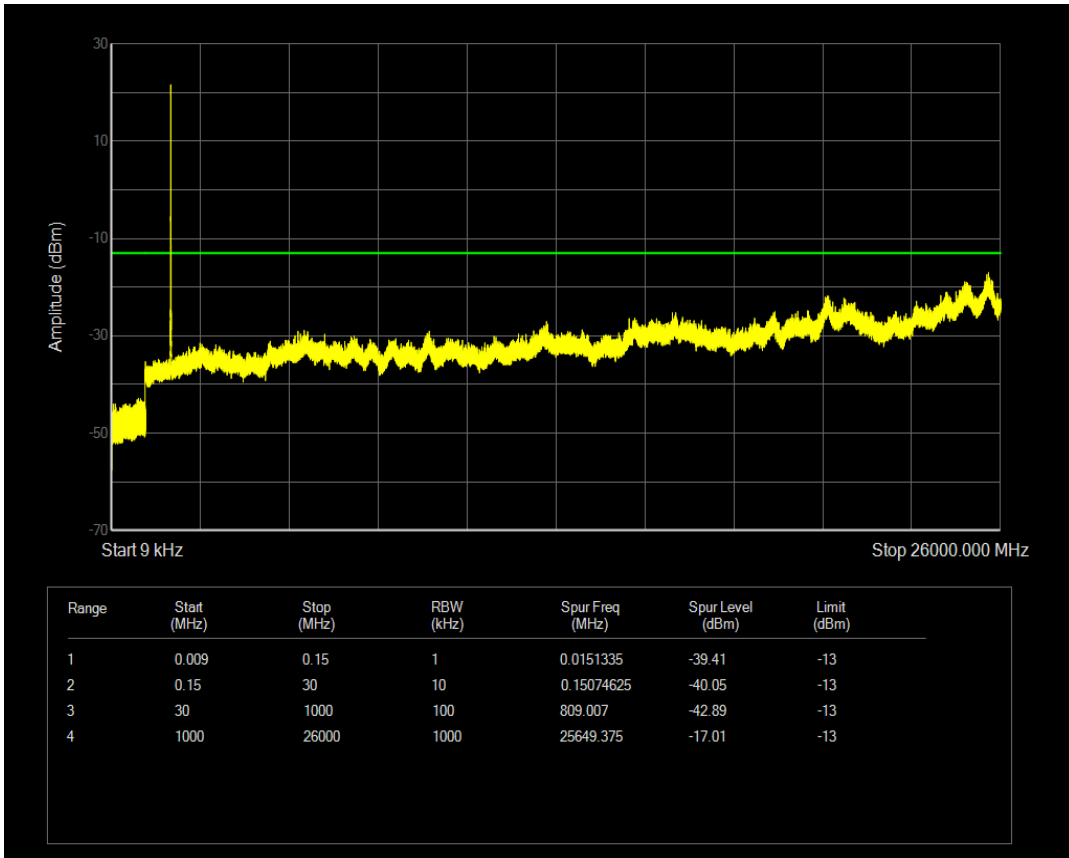


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



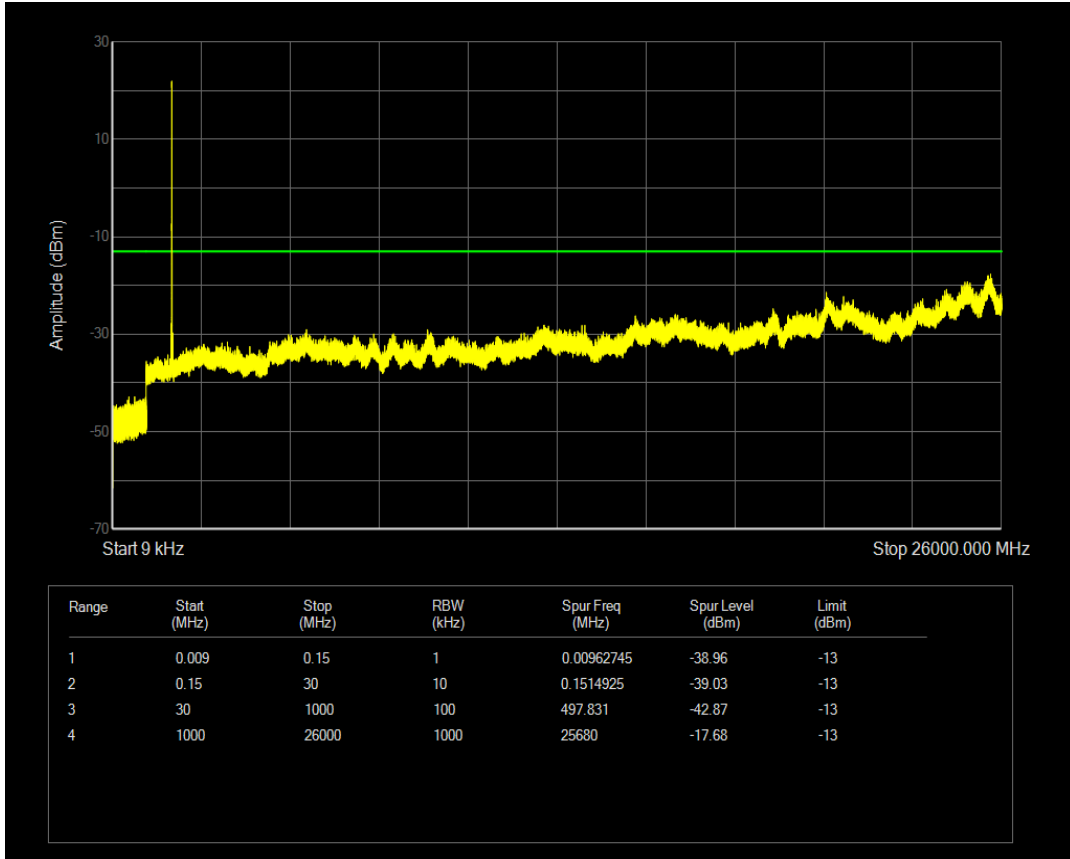


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

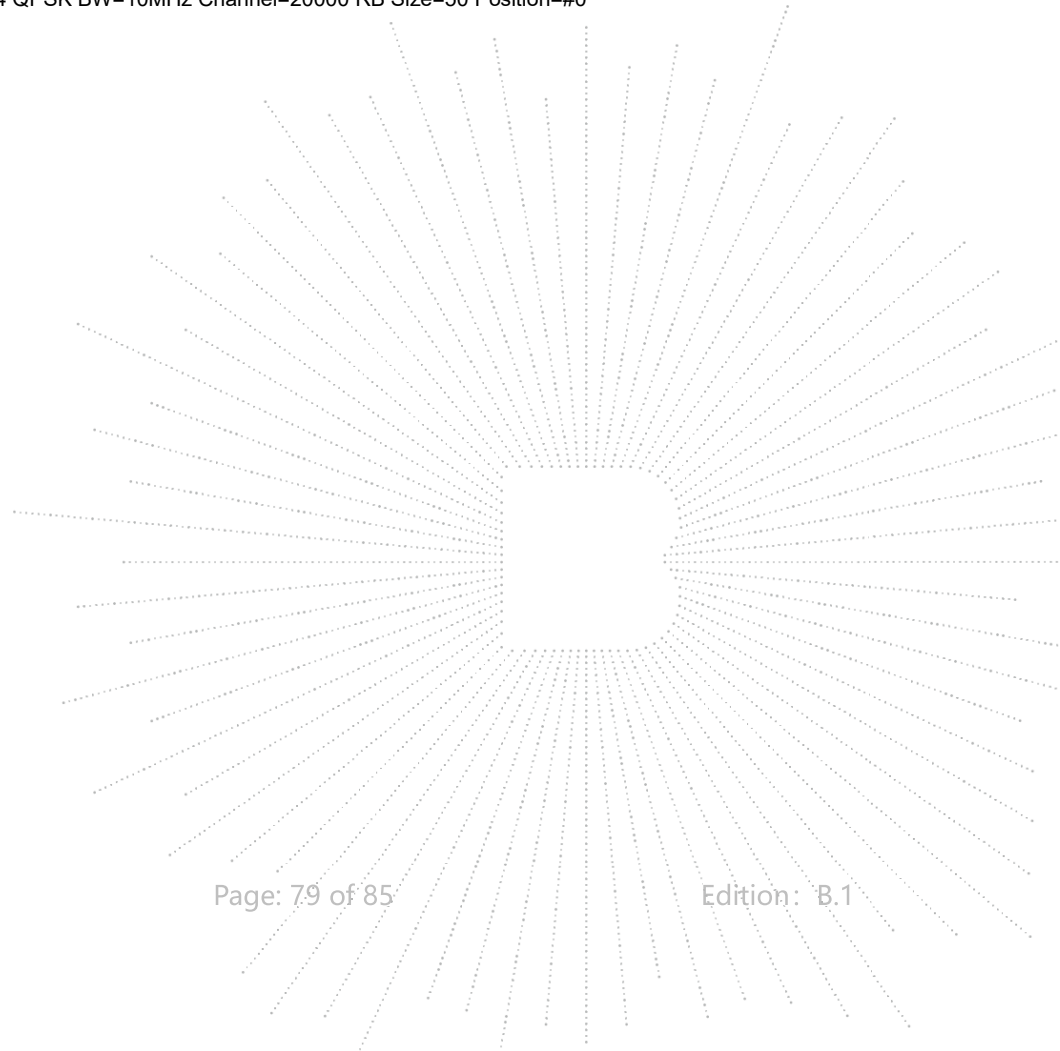


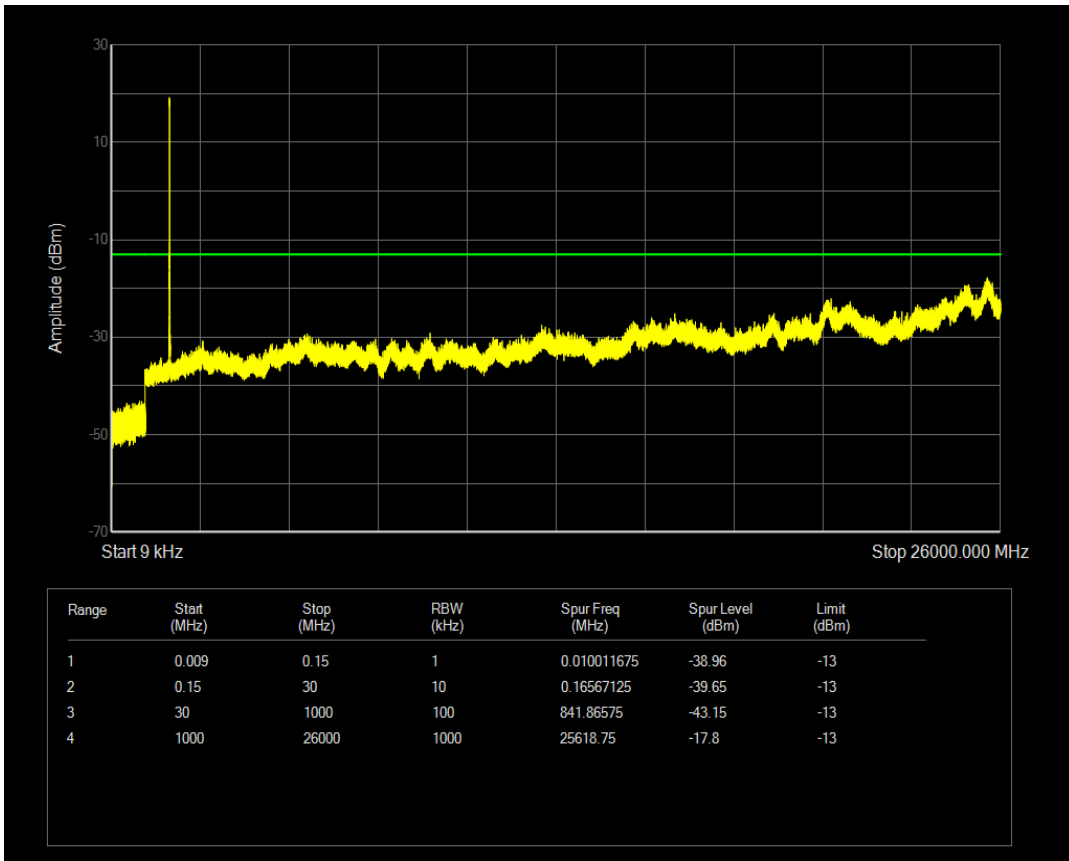


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

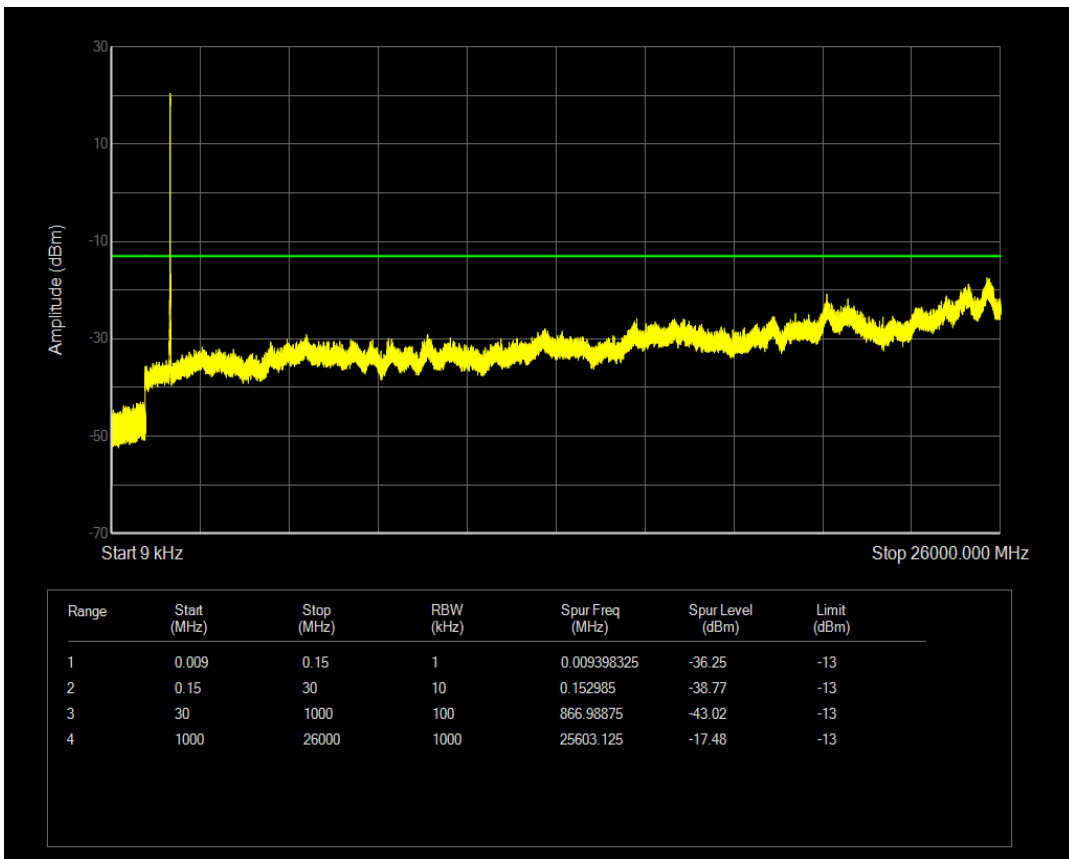


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





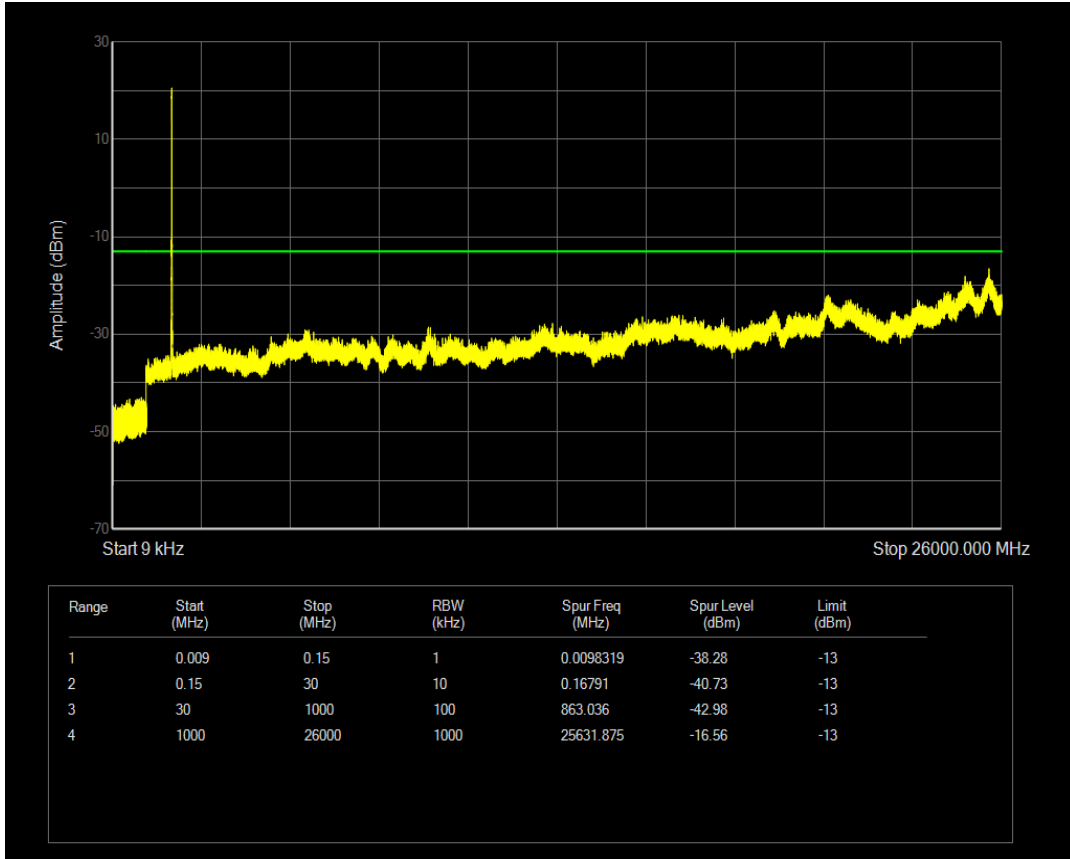
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



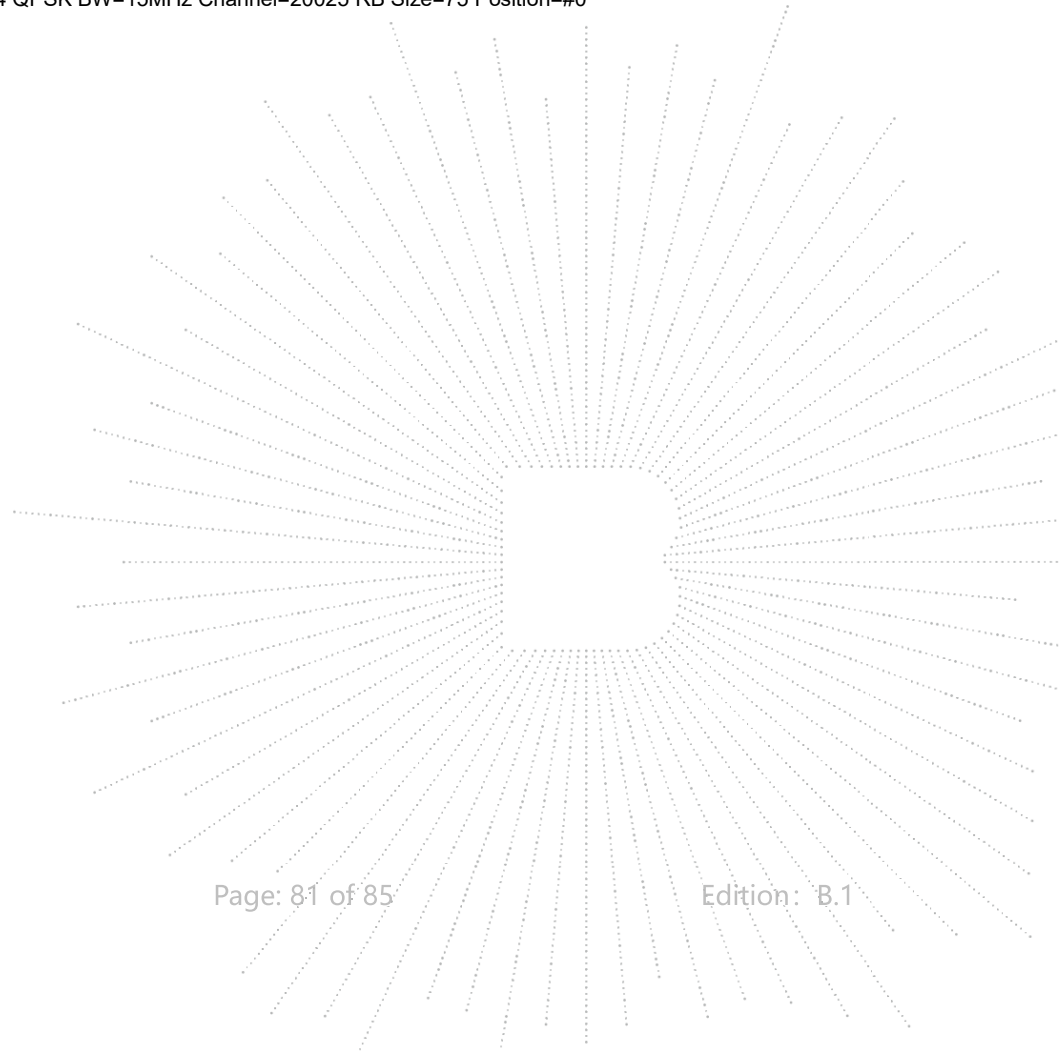


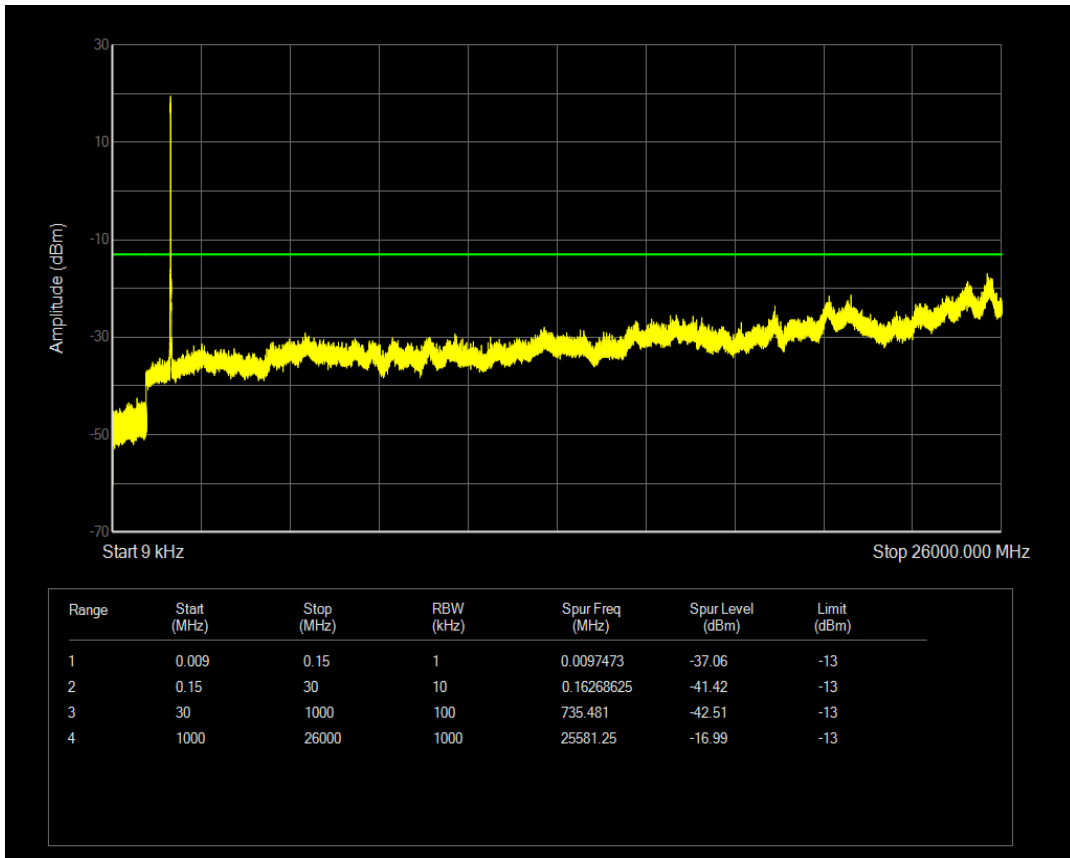


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

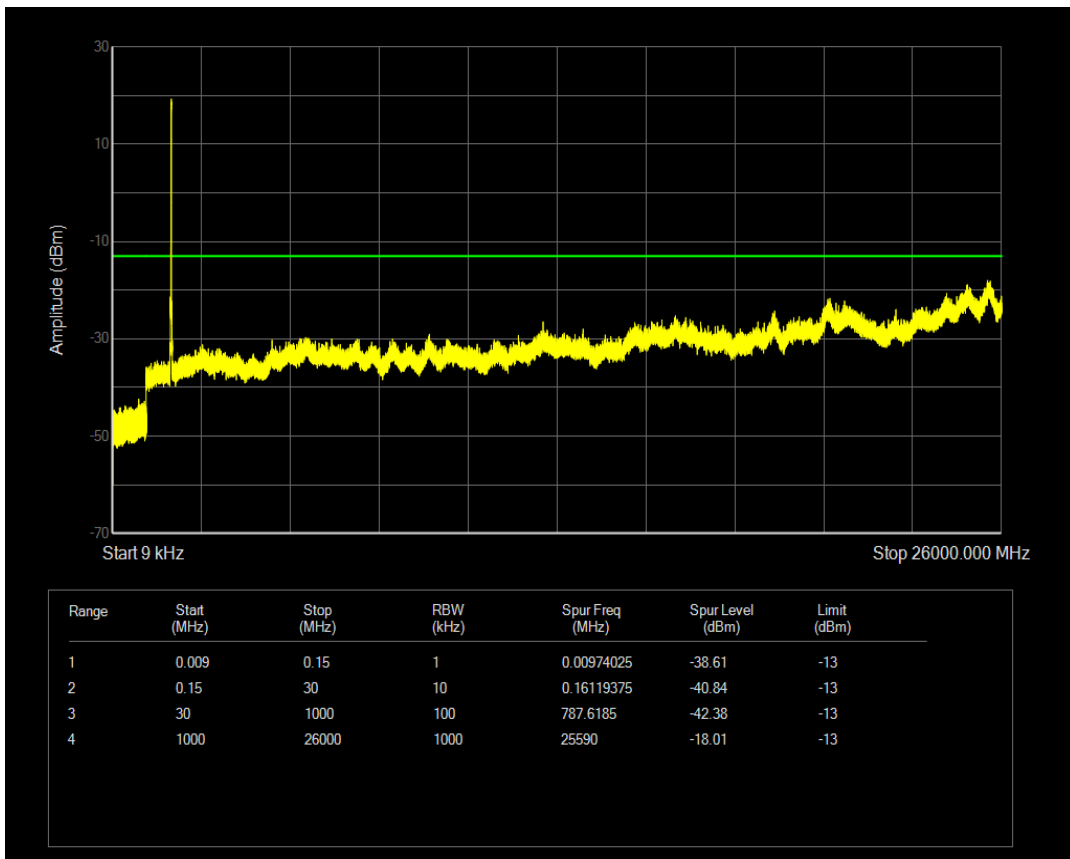


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



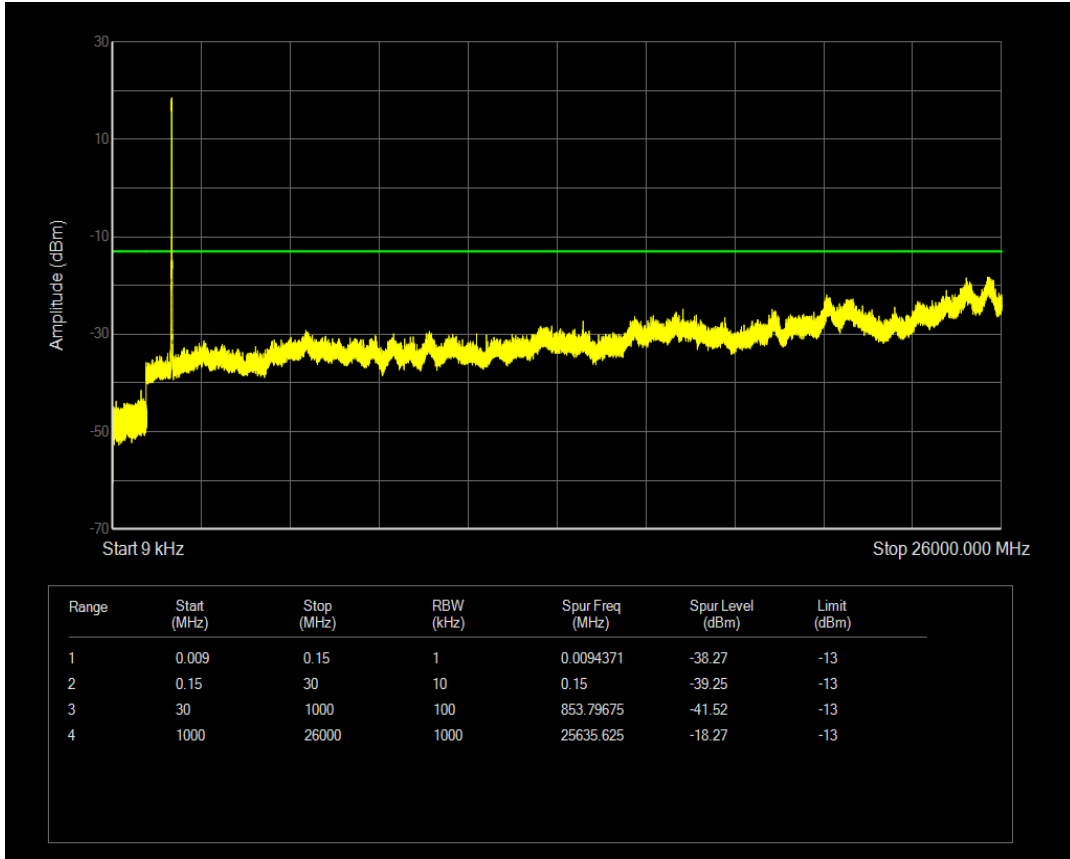


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

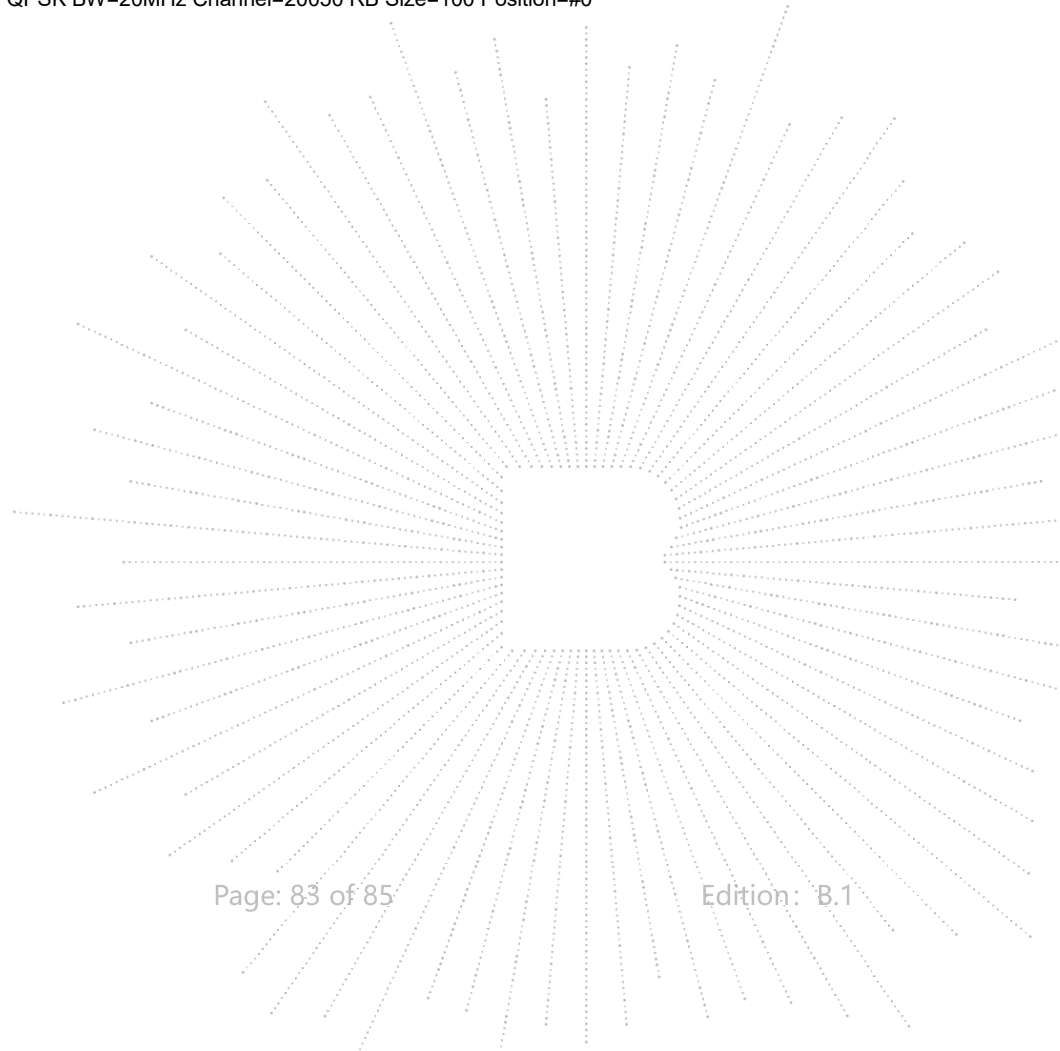


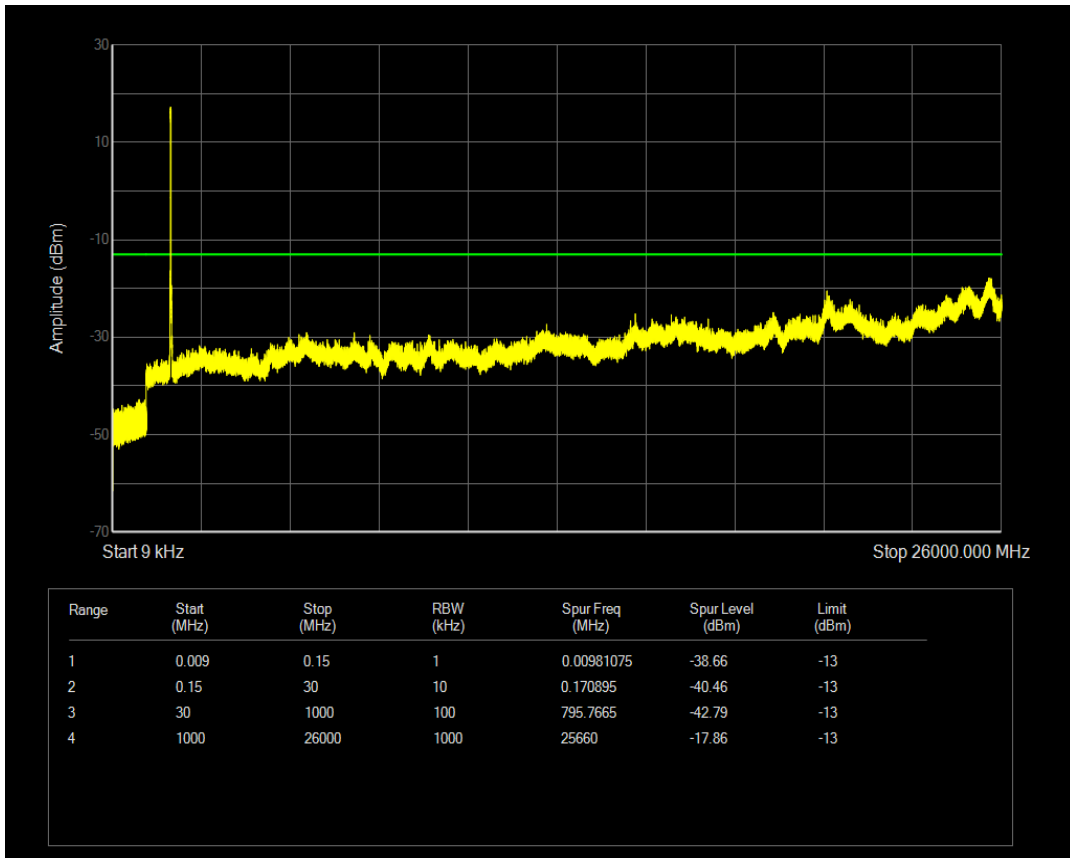


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

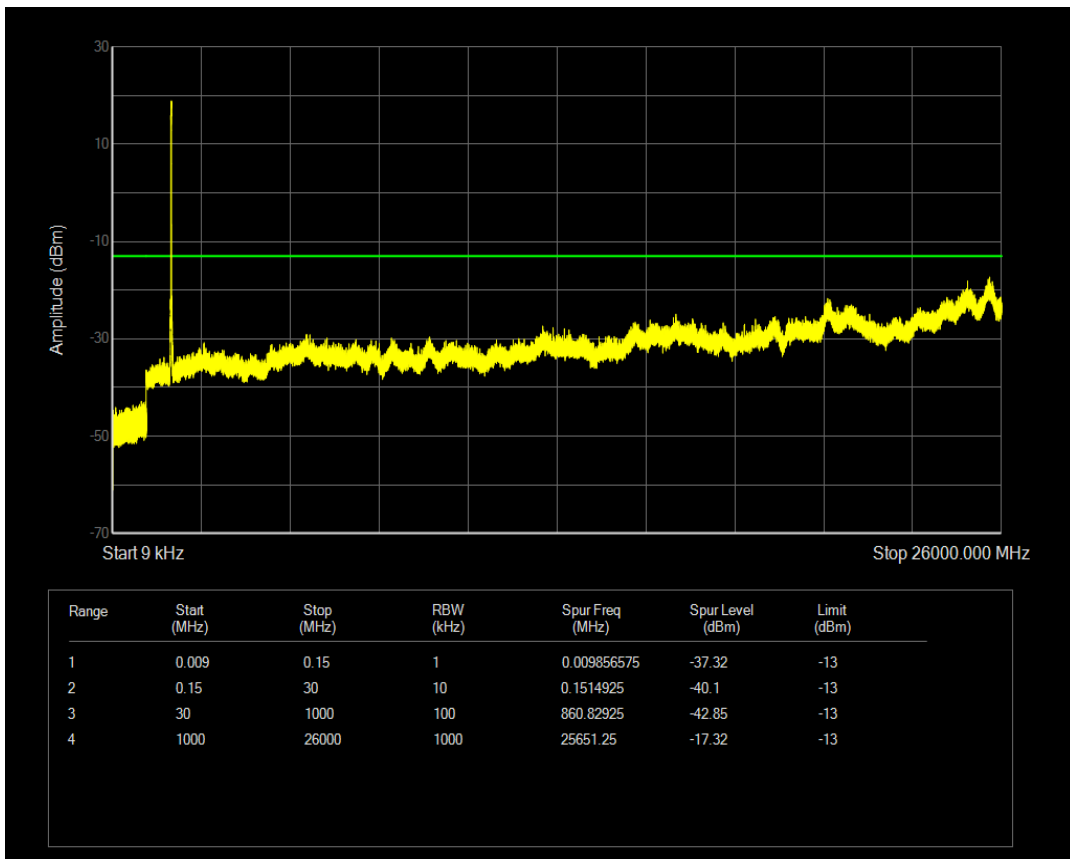


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0





Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0





Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

