

# Appendix for Band 4

Report No.: BCTC2312704909-5E

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Applicant: Shenzhen Swage Electronics Co.,Ltd.

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Product Name: Smart watch

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Test Model: D10

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Tested Date: 2023-12-04 to 2023-12-18

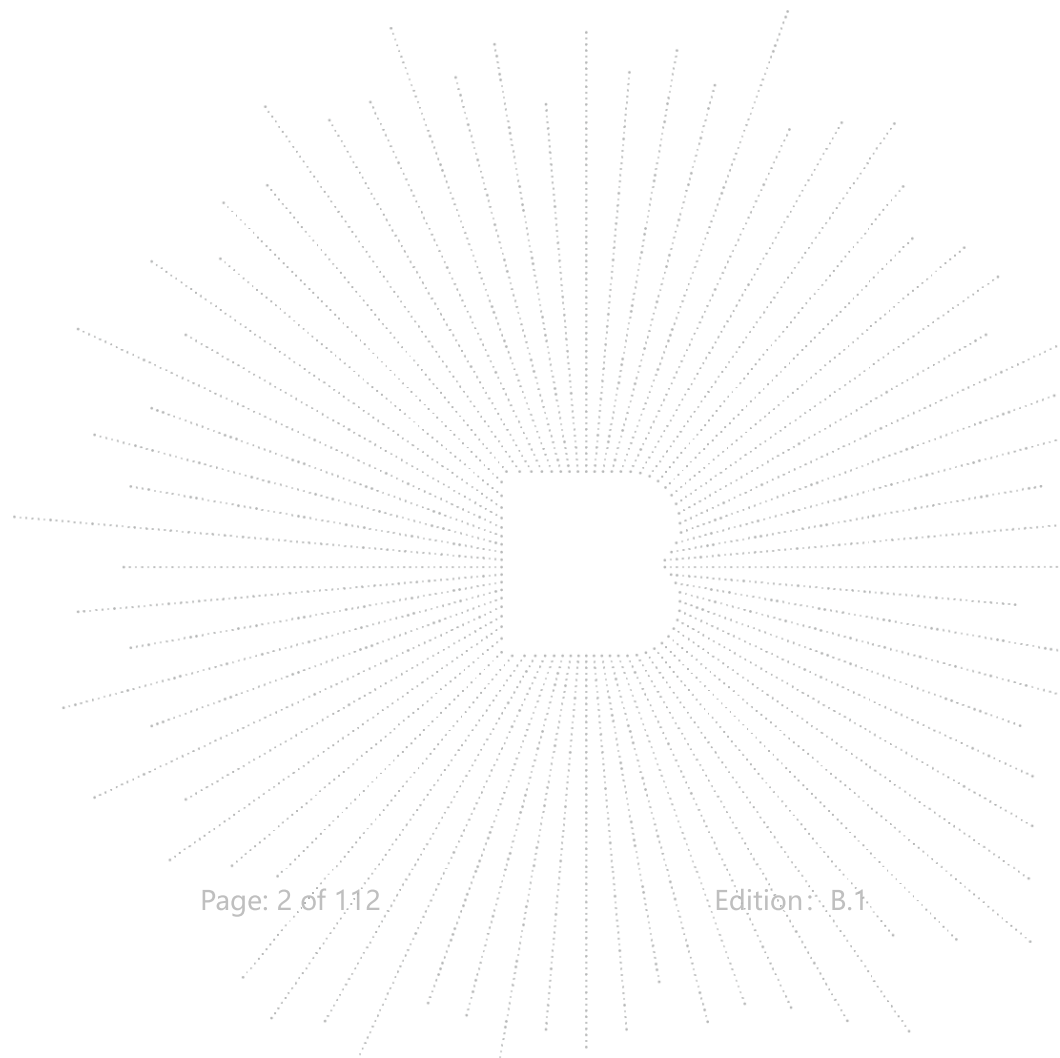
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**Shenzhen BCTC Testing Co., Ltd.**



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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	22.43	0.18	22.61	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.46	0.18	22.64	PASS
Band4	1.4	19957	1	#Max	QPSK	22.46	0.18	22.64	PASS
Band4	1.4	19957	3	#0	QPSK	22.25	0.18	22.43	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.32	0.18	22.50	PASS
Band4	1.4	19957	3	#Max	QPSK	22.29	0.18	22.47	PASS
Band4	1.4	19957	6	#0	QPSK	21.34	0.18	21.52	PASS
Band4	1.4	19957	1	#0	16QAM	22.21	0.18	22.39	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.24	0.18	22.42	PASS
Band4	1.4	19957	1	#Max	16QAM	22.31	0.18	22.49	PASS
Band4	1.4	19957	3	#0	16QAM	21.57	0.18	21.75	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.54	0.18	21.72	PASS
Band4	1.4	19957	3	#Max	16QAM	21.59	0.18	21.77	PASS
Band4	1.4	19957	6	#0	16QAM	20.37	0.18	20.55	PASS
Band4	1.4	20175	1	#0	QPSK	22.43	0.18	22.61	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.49	0.18	22.67	PASS
Band4	1.4	20175	1	#Max	QPSK	22.49	0.18	22.67	PASS
Band4	1.4	20175	3	#0	QPSK	22.58	0.18	22.76	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.66	0.18	22.84	PASS
Band4	1.4	20175	3	#Max	QPSK	22.63	0.18	22.81	PASS
Band4	1.4	20175	6	#0	QPSK	21.56	0.18	21.74	PASS
Band4	1.4	20175	1	#0	16QAM	22.00	0.18	22.18	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.90	0.18	22.08	PASS
Band4	1.4	20175	1	#Max	16QAM	21.92	0.18	22.10	PASS
Band4	1.4	20175	3	#0	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	3	#Max	16QAM	21.72	0.18	21.90	PASS
Band4	1.4	20175	6	#0	16QAM	20.44	0.18	20.62	PASS
Band4	1.4	20393	1	#0	QPSK	22.80	0.18	22.98	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.83	0.18	23.01	PASS
Band4	1.4	20393	1	#Max	QPSK	22.82	0.18	23.00	PASS
Band4	1.4	20393	3	#0	QPSK	22.69	0.18	22.87	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.73	0.18	22.91	PASS
Band4	1.4	20393	3	#Max	QPSK	22.68	0.18	22.86	PASS
Band4	1.4	20393	6	#0	QPSK	21.73	0.18	21.91	PASS
Band4	1.4	20393	1	#0	16QAM	21.97	0.18	22.15	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.93	0.18	22.11	PASS

Band4	1.4	20393	1	#Max	16QAM	22.08	0.18	22.26	PASS
Band4	1.4	20393	3	#0	16QAM	21.88	0.18	22.06	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.93	0.18	22.11	PASS
Band4	1.4	20393	3	#Max	16QAM	21.87	0.18	22.05	PASS
Band4	1.4	20393	6	#0	16QAM	20.84	0.18	21.02	PASS
Band4	3	19965	1	#0	QPSK	22.12	0.18	22.30	PASS
Band4	3	19965	1	#Mid	QPSK	22.24	0.18	22.42	PASS
Band4	3	19965	1	#Max	QPSK	22.22	0.18	22.40	PASS
Band4	3	19965	8	#0	QPSK	21.25	0.18	21.43	PASS
Band4	3	19965	8	#Mid	QPSK	21.32	0.18	21.50	PASS
Band4	3	19965	8	#Max	QPSK	21.31	0.18	21.49	PASS
Band4	3	19965	15	#0	QPSK	21.28	0.18	21.46	PASS
Band4	3	19965	1	#0	16QAM	22.37	0.18	22.55	PASS
Band4	3	19965	1	#Mid	16QAM	22.46	0.18	22.64	PASS
Band4	3	19965	1	#Max	16QAM	22.43	0.18	22.61	PASS
Band4	3	19965	8	#0	16QAM	20.21	0.18	20.39	PASS
Band4	3	19965	8	#Mid	16QAM	20.29	0.18	20.47	PASS
Band4	3	19965	8	#Max	16QAM	20.28	0.18	20.46	PASS
Band4	3	19965	15	#0	16QAM	20.48	0.18	20.66	PASS
Band4	3	20175	1	#0	QPSK	22.49	0.18	22.67	PASS
Band4	3	20175	1	#Mid	QPSK	22.49	0.18	22.67	PASS
Band4	3	20175	1	#Max	QPSK	22.55	0.18	22.73	PASS
Band4	3	20175	8	#0	QPSK	21.55	0.18	21.73	PASS
Band4	3	20175	8	#Mid	QPSK	21.52	0.18	21.70	PASS
Band4	3	20175	8	#Max	QPSK	21.43	0.18	21.61	PASS
Band4	3	20175	15	#0	QPSK	21.50	0.18	21.68	PASS
Band4	3	20175	1	#0	16QAM	21.95	0.18	22.13	PASS
Band4	3	20175	1	#Mid	16QAM	21.95	0.18	22.13	PASS
Band4	3	20175	1	#Max	16QAM	21.98	0.18	22.16	PASS
Band4	3	20175	8	#0	16QAM	20.90	0.18	21.08	PASS
Band4	3	20175	8	#Mid	16QAM	20.73	0.18	20.91	PASS
Band4	3	20175	8	#Max	16QAM	20.61	0.18	20.79	PASS
Band4	3	20175	15	#0	16QAM	20.49	0.18	20.67	PASS
Band4	3	20385	1	#0	QPSK	22.82	0.18	23.00	PASS
Band4	3	20385	1	#Mid	QPSK	22.84	0.18	23.02	PASS
Band4	3	20385	1	#Max	QPSK	22.85	0.18	23.03	PASS
Band4	3	20385	8	#0	QPSK	21.61	0.18	21.79	PASS
Band4	3	20385	8	#Mid	QPSK	21.64	0.18	21.82	PASS
Band4	3	20385	8	#Max	QPSK	21.59	0.18	21.77	PASS
Band4	3	20385	15	#0	QPSK	21.62	0.18	21.80	PASS
Band4	3	20385	1	#0	16QAM	21.89	0.18	22.07	PASS
Band4	3	20385	1	#Mid	16QAM	22.02	0.18	22.20	PASS

Band4	3	20385	1	#Max	16QAM	22.02	0.18	22.20	PASS
Band4	3	20385	8	#0	16QAM	20.67	0.18	20.85	PASS
Band4	3	20385	8	#Mid	16QAM	20.77	0.18	20.95	PASS
Band4	3	20385	8	#Max	16QAM	20.75	0.18	20.93	PASS
Band4	3	20385	15	#0	16QAM	20.67	0.18	20.85	PASS
Band4	5	19975	1	#0	QPSK	22.14	0.18	22.32	PASS
Band4	5	19975	1	#Mid	QPSK	22.21	0.18	22.39	PASS
Band4	5	19975	1	#Max	QPSK	22.29	0.18	22.47	PASS
Band4	5	19975	12	#0	QPSK	21.24	0.18	21.42	PASS
Band4	5	19975	12	#Mid	QPSK	21.28	0.18	21.46	PASS
Band4	5	19975	12	#Max	QPSK	21.20	0.18	21.38	PASS
Band4	5	19975	25	#0	QPSK	21.28	0.18	21.46	PASS
Band4	5	19975	1	#0	16QAM	21.28	0.18	21.46	PASS
Band4	5	19975	1	#Mid	16QAM	21.30	0.18	21.48	PASS
Band4	5	19975	1	#Max	16QAM	21.39	0.18	21.57	PASS
Band4	5	19975	12	#0	16QAM	20.36	0.18	20.54	PASS
Band4	5	19975	12	#Mid	16QAM	20.33	0.18	20.51	PASS
Band4	5	19975	12	#Max	16QAM	20.35	0.18	20.53	PASS
Band4	5	19975	25	#0	16QAM	20.33	0.18	20.51	PASS
Band4	5	20175	1	#0	QPSK	22.45	0.18	22.63	PASS
Band4	5	20175	1	#Mid	QPSK	22.45	0.18	22.63	PASS
Band4	5	20175	1	#Max	QPSK	22.40	0.18	22.58	PASS
Band4	5	20175	12	#0	QPSK	21.54	0.18	21.72	PASS
Band4	5	20175	12	#Mid	QPSK	21.46	0.18	21.64	PASS
Band4	5	20175	12	#Max	QPSK	21.41	0.18	21.59	PASS
Band4	5	20175	25	#0	QPSK	21.48	0.18	21.66	PASS
Band4	5	20175	1	#0	16QAM	21.61	0.18	21.79	PASS
Band4	5	20175	1	#Mid	16QAM	21.57	0.18	21.75	PASS
Band4	5	20175	1	#Max	16QAM	21.59	0.18	21.77	PASS
Band4	5	20175	12	#0	16QAM	20.51	0.18	20.69	PASS
Band4	5	20175	12	#Mid	16QAM	20.31	0.18	20.49	PASS
Band4	5	20175	12	#Max	16QAM	20.26	0.18	20.44	PASS
Band4	5	20175	25	#0	16QAM	20.52	0.18	20.70	PASS
Band4	5	20375	1	#0	QPSK	22.57	0.18	22.75	PASS
Band4	5	20375	1	#Mid	QPSK	22.56	0.18	22.74	PASS
Band4	5	20375	1	#Max	QPSK	22.56	0.18	22.74	PASS
Band4	5	20375	12	#0	QPSK	21.54	0.18	21.72	PASS
Band4	5	20375	12	#Mid	QPSK	21.50	0.18	21.68	PASS
Band4	5	20375	12	#Max	QPSK	21.64	0.18	21.82	PASS
Band4	5	20375	25	#0	QPSK	21.67	0.18	21.85	PASS
Band4	5	20375	1	#0	16QAM	21.27	0.18	21.45	PASS
Band4	5	20375	1	#Mid	16QAM	21.36	0.18	21.54	PASS

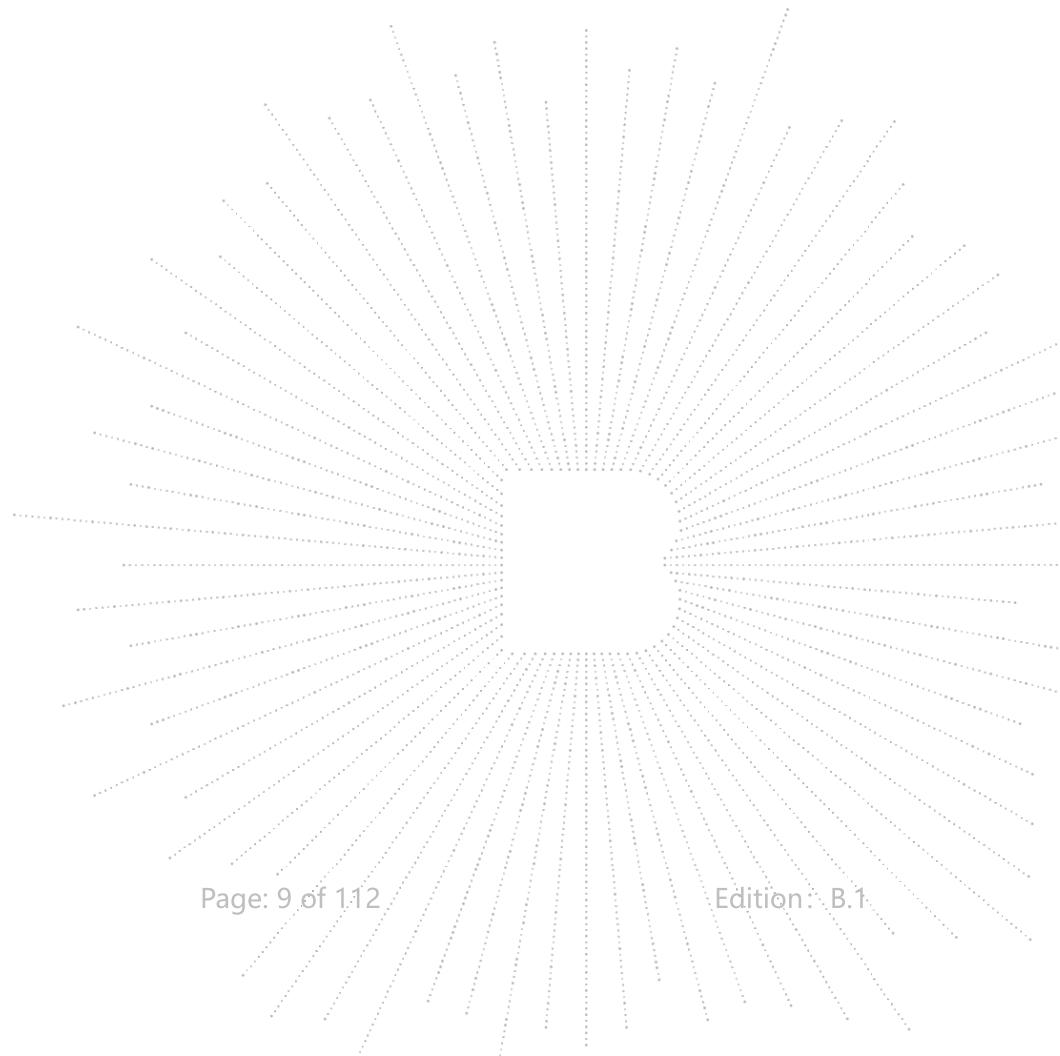
Band4	5	20375	1	#Max	16QAM	21.34	0.18	21.52	PASS
Band4	5	20375	12	#0	16QAM	20.31	0.18	20.49	PASS
Band4	5	20375	12	#Mid	16QAM	20.53	0.18	20.71	PASS
Band4	5	20375	12	#Max	16QAM	20.49	0.18	20.67	PASS
Band4	5	20375	25	#0	16QAM	20.72	0.18	20.90	PASS
Band4	10	20000	1	#0	QPSK	22.16	0.18	22.34	PASS
Band4	10	20000	1	#Mid	QPSK	22.34	0.18	22.52	PASS
Band4	10	20000	1	#Max	QPSK	22.39	0.18	22.57	PASS
Band4	10	20000	25	#0	QPSK	21.36	0.18	21.54	PASS
Band4	10	20000	25	#Mid	QPSK	21.32	0.18	21.50	PASS
Band4	10	20000	25	#Max	QPSK	21.44	0.18	21.62	PASS
Band4	10	20000	50	#0	QPSK	21.43	0.18	21.61	PASS
Band4	10	20000	1	#0	16QAM	22.38	0.18	22.56	PASS
Band4	10	20000	1	#Mid	16QAM	22.51	0.18	22.69	PASS
Band4	10	20000	1	#Max	16QAM	22.62	0.18	22.80	PASS
Band4	10	20000	25	#0	16QAM	20.31	0.18	20.49	PASS
Band4	10	20000	25	#Mid	16QAM	20.35	0.18	20.53	PASS
Band4	10	20000	25	#Max	16QAM	20.15	0.18	20.33	PASS
Band4	10	20000	50	#0	16QAM	20.38	0.18	20.56	PASS
Band4	10	20175	1	#0	QPSK	22.60	0.18	22.78	PASS
Band4	10	20175	1	#Mid	QPSK	22.51	0.18	22.69	PASS
Band4	10	20175	1	#Max	QPSK	22.43	0.18	22.61	PASS
Band4	10	20175	25	#0	QPSK	21.57	0.18	21.75	PASS
Band4	10	20175	25	#Mid	QPSK	21.57	0.18	21.75	PASS
Band4	10	20175	25	#Max	QPSK	21.44	0.18	21.62	PASS
Band4	10	20175	50	#0	QPSK	21.56	0.18	21.74	PASS
Band4	10	20175	1	#0	16QAM	21.62	0.18	21.80	PASS
Band4	10	20175	1	#Mid	16QAM	21.62	0.18	21.80	PASS
Band4	10	20175	1	#Max	16QAM	21.60	0.18	21.78	PASS
Band4	10	20175	25	#0	16QAM	20.65	0.18	20.83	PASS
Band4	10	20175	25	#Mid	16QAM	20.46	0.18	20.64	PASS
Band4	10	20175	25	#Max	16QAM	20.60	0.18	20.78	PASS
Band4	10	20175	50	#0	16QAM	20.38	0.18	20.56	PASS
Band4	10	20350	1	#0	QPSK	22.55	0.18	22.73	PASS
Band4	10	20350	1	#Mid	QPSK	22.54	0.18	22.72	PASS
Band4	10	20350	1	#Max	QPSK	22.72	0.18	22.90	PASS
Band4	10	20350	25	#0	QPSK	21.53	0.18	21.71	PASS
Band4	10	20350	25	#Mid	QPSK	21.57	0.18	21.75	PASS
Band4	10	20350	25	#Max	QPSK	21.54	0.18	21.72	PASS
Band4	10	20350	50	#0	QPSK	21.14	0.18	21.32	PASS
Band4	10	20350	1	#0	16QAM	22.49	0.18	22.67	PASS
Band4	10	20350	1	#Mid	16QAM	22.47	0.18	22.65	PASS

Band4	10	20350	1	#Max	16QAM	22.55	0.18	22.73	PASS
Band4	10	20350	25	#0	16QAM	20.39	0.18	20.57	PASS
Band4	10	20350	25	#Mid	16QAM	20.37	0.18	20.55	PASS
Band4	10	20350	25	#Max	16QAM	20.28	0.18	20.46	PASS
Band4	10	20350	50	#0	16QAM	20.16	0.18	20.34	PASS
Band4	15	20025	1	#0	QPSK	22.29	0.18	22.47	PASS
Band4	15	20025	1	#Mid	QPSK	22.46	0.18	22.64	PASS
Band4	15	20025	1	#Max	QPSK	22.61	0.18	22.79	PASS
Band4	15	20025	36	#0	QPSK	21.28	0.18	21.46	PASS
Band4	15	20025	36	#Mid	QPSK	21.41	0.18	21.59	PASS
Band4	15	20025	36	#Max	QPSK	21.52	0.18	21.70	PASS
Band4	15	20025	75	#0	QPSK	21.41	0.18	21.59	PASS
Band4	15	20025	1	#0	16QAM	21.89	0.18	22.07	PASS
Band4	15	20025	1	#Mid	16QAM	22.08	0.18	22.26	PASS
Band4	15	20025	1	#Max	16QAM	22.20	0.18	22.38	PASS
Band4	15	20025	36	#0	16QAM	20.56	0.18	20.74	PASS
Band4	15	20025	36	#Mid	16QAM	20.39	0.18	20.57	PASS
Band4	15	20025	36	#Max	16QAM	20.44	0.18	20.62	PASS
Band4	15	20025	75	#0	16QAM	20.27	0.18	20.45	PASS
Band4	15	20175	1	#0	QPSK	22.45	0.18	22.63	PASS
Band4	15	20175	1	#Mid	QPSK	22.43	0.18	22.61	PASS
Band4	15	20175	1	#Max	QPSK	22.34	0.18	22.52	PASS
Band4	15	20175	36	#0	QPSK	21.51	0.18	21.69	PASS
Band4	15	20175	36	#Mid	QPSK	21.59	0.18	21.77	PASS
Band4	15	20175	36	#Max	QPSK	21.56	0.18	21.74	PASS
Band4	15	20175	75	#0	QPSK	21.54	0.18	21.72	PASS
Band4	15	20175	1	#0	16QAM	22.31	0.18	22.49	PASS
Band4	15	20175	1	#Mid	16QAM	22.35	0.18	22.53	PASS
Band4	15	20175	1	#Max	16QAM	22.31	0.18	22.49	PASS
Band4	15	20175	36	#0	16QAM	20.59	0.18	20.77	PASS
Band4	15	20175	36	#Mid	16QAM	20.41	0.18	20.59	PASS
Band4	15	20175	36	#Max	16QAM	20.36	0.18	20.54	PASS
Band4	15	20175	75	#0	16QAM	20.48	0.18	20.66	PASS
Band4	15	20325	1	#0	QPSK	22.40	0.18	22.58	PASS
Band4	15	20325	1	#Mid	QPSK	22.37	0.18	22.55	PASS
Band4	15	20325	1	#Max	QPSK	22.55	0.18	22.73	PASS
Band4	15	20325	36	#0	QPSK	21.43	0.18	21.61	PASS
Band4	15	20325	36	#Mid	QPSK	21.54	0.18	21.72	PASS
Band4	15	20325	36	#Max	QPSK	21.41	0.18	21.59	PASS
Band4	15	20325	75	#0	QPSK	21.42	0.18	21.60	PASS
Band4	15	20325	1	#0	16QAM	21.90	0.18	22.08	PASS
Band4	15	20325	1	#Mid	16QAM	21.94	0.18	22.12	PASS

Band4	15	20325	1	#Max	16QAM	22.01	0.18	22.19	PASS
Band4	15	20325	36	#0	16QAM	20.64	0.18	20.82	PASS
Band4	15	20325	36	#Mid	16QAM	20.66	0.18	20.84	PASS
Band4	15	20325	36	#Max	16QAM	20.54	0.18	20.72	PASS
Band4	15	20325	75	#0	16QAM	20.49	0.18	20.67	PASS
Band4	20	20050	1	#0	QPSK	22.29	0.18	22.47	PASS
Band4	20	20050	1	#Mid	QPSK	22.52	0.18	22.70	PASS
Band4	20	20050	1	#Max	QPSK	22.62	0.18	22.80	PASS
Band4	20	20050	50	#0	QPSK	21.36	0.18	21.54	PASS
Band4	20	20050	50	#Mid	QPSK	21.54	0.18	21.72	PASS
Band4	20	20050	50	#Max	QPSK	21.52	0.18	21.70	PASS
Band4	20	20050	100	#0	QPSK	21.38	0.18	21.56	PASS
Band4	20	20050	1	#0	16QAM	20.97	0.18	21.15	PASS
Band4	20	20050	1	#Mid	16QAM	21.21	0.18	21.39	PASS
Band4	20	20050	1	#Max	16QAM	21.23	0.18	21.41	PASS
Band4	20	20050	50	#0	16QAM	20.58	0.18	20.76	PASS
Band4	20	20050	50	#Mid	16QAM	20.46	0.18	20.64	PASS
Band4	20	20050	50	#Max	16QAM	20.68	0.18	20.86	PASS
Band4	20	20050	100	#0	16QAM	20.30	0.18	20.48	PASS
Band4	20	20175	1	#0	QPSK	22.69	0.18	22.87	PASS
Band4	20	20175	1	#Mid	QPSK	22.72	0.18	22.90	PASS
Band4	20	20175	1	#Max	QPSK	22.62	0.18	22.80	PASS
Band4	20	20175	50	#0	QPSK	21.64	0.18	21.82	PASS
Band4	20	20175	50	#Mid	QPSK	21.46	0.18	21.64	PASS
Band4	20	20175	50	#Max	QPSK	21.38	0.18	21.56	PASS
Band4	20	20175	100	#0	QPSK	21.55	0.18	21.73	PASS
Band4	20	20175	1	#0	16QAM	21.44	0.18	21.62	PASS
Band4	20	20175	1	#Mid	16QAM	21.38	0.18	21.56	PASS
Band4	20	20175	1	#Max	16QAM	0.00	0.18	0.18	PASS
Band4	20	20175	50	#0	16QAM	0.00	0.18	0.18	PASS
Band4	20	20175	50	#Mid	16QAM	20.42	0.18	20.60	PASS
Band4	20	20175	50	#Max	16QAM	20.42	0.18	20.60	PASS
Band4	20	20175	100	#0	16QAM	20.35	0.18	20.53	PASS
Band4	20	20300	1	#0	QPSK	22.67	0.18	22.85	PASS
Band4	20	20300	1	#Mid	QPSK	22.54	0.18	22.72	PASS
Band4	20	20300	1	#Max	QPSK	22.71	0.18	22.89	PASS
Band4	20	20300	50	#0	QPSK	21.55	0.18	21.73	PASS
Band4	20	20300	50	#Mid	QPSK	21.49	0.18	21.67	PASS
Band4	20	20300	50	#Max	QPSK	21.53	0.18	21.71	PASS
Band4	20	20300	100	#0	QPSK	21.45	0.18	21.63	PASS
Band4	20	20300	1	#0	16QAM	21.64	0.18	21.82	PASS
Band4	20	20300	1	#Mid	16QAM	21.52	0.18	21.70	PASS



Band4	20	20300	1	#Max	16QAM	21.62	0.18	21.80	PASS
Band4	20	20300	50	#0	16QAM	20.53	0.18	20.71	PASS
Band4	20	20300	50	#Mid	16QAM	20.53	0.18	20.71	PASS
Band4	20	20300	50	#Max	16QAM	20.57	0.18	20.75	PASS
Band4	20	20300	100	#0	16QAM	20.62	0.18	20.80	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	-43.69	-0.026	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-23.10	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-35.72	-0.021	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-49.17	-0.029	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-19.30	-0.011	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-29.15	-0.017	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-17.17	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-27.87	-0.016	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-34.83	-0.020	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-39.87	-0.023	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-23.56	-0.014	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-24.66	-0.014	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-28.92	-0.016	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-32.72	-0.019	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-38.07	-0.022	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	2.92	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-2.17	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-3.88	-0.002	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-42.94	-0.025	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-46.05	-0.027	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-4.38	-0.003	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-3.06	-0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-4.36	-0.003	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-5.79	-0.003	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-7.93	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-15.36	-0.009	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-12.40	-0.007	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-12.02	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-10.51	-0.006	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-9.04	-0.005	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-19.07	-0.011	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-17.29	-0.010	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-19.74	-0.011	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-14.48	-0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-7.38	-0.004	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-7.67	-0.004	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	5.55	0.003	PASS

Band4	5	19975	25	#0	QPSK	NV	NT	6.47	0.004	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	11.26	0.007	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	9.13	0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	NT	13.02	0.008	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	15.78	0.009	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-11.52	-0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-13.76	-0.008	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-13.88	-0.008	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-7.78	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-2.79	-0.002	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	1.67	0.001	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-2.86	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	0.00	0.000	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	5.39	0.003	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	10.04	0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	16.55	0.009	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	19.88	0.011	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-4.86	-0.003	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-10.57	-0.006	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-12.67	-0.007	PASS
Band4	10	20000	50	#0	16QAM	LV	NT	-11.62	-0.007	PASS
Band4	10	20000	50	#0	16QAM	NV	NT	-8.25	-0.005	PASS
Band4	10	20000	50	#0	16QAM	HV	NT	-1.69	-0.001	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	5.98	0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	5.22	0.003	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	7.74	0.004	PASS
Band4	10	20175	50	#0	16QAM	LV	NT	16.57	0.010	PASS
Band4	10	20175	50	#0	16QAM	NV	NT	25.49	0.015	PASS
Band4	10	20175	50	#0	16QAM	HV	NT	31.37	0.018	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-4.76	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-2.16	-0.001	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	2.25	0.001	PASS
Band4	10	20350	50	#0	16QAM	LV	NT	13.49	0.008	PASS
Band4	10	20350	50	#0	16QAM	NV	NT	20.17	0.012	PASS
Band4	10	20350	50	#0	16QAM	HV	NT	27.22	0.016	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-23.82	-0.014	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-27.58	-0.016	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-27.97	-0.016	PASS
Band4	15	20025	75	#0	16QAM	LV	NT	-20.69	-0.012	PASS
Band4	15	20025	75	#0	16QAM	NV	NT	-11.57	-0.007	PASS
Band4	15	20025	75	#0	16QAM	HV	NT	-9.61	-0.006	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	10.91	0.006	PASS

Band4	15	20175	75	#0	QPSK	NV	NT	14.71	0.008	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	19.86	0.011	PASS
Band4	15	20175	75	#0	16QAM	LV	NT	30.04	0.017	PASS
Band4	15	20175	75	#0	16QAM	NV	NT	6.67	0.004	PASS
Band4	15	20175	75	#0	16QAM	HV	NT	14.89	0.009	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-8.55	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	0.31	0.000	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	12.40	0.007	PASS
Band4	15	20325	75	#0	16QAM	LV	NT	29.05	0.017	PASS
Band4	15	20325	75	#0	16QAM	NV	NT	-11.33	-0.006	PASS
Band4	15	20325	75	#0	16QAM	HV	NT	-4.76	-0.003	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-30.01	-0.017	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-39.97	-0.023	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-37.61	-0.022	PASS
Band4	20	20050	100	#0	16QAM	LV	NT	-30.68	-0.018	PASS
Band4	20	20050	100	#0	16QAM	NV	NT	-17.40	-0.010	PASS
Band4	20	20050	100	#0	16QAM	HV	NT	-13.53	-0.008	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-27.95	-0.016	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-30.60	-0.018	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-17.55	-0.010	PASS
Band4	20	20175	100	#0	16QAM	LV	NT	-3.08	-0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	NT	11.83	0.007	PASS
Band4	20	20175	100	#0	16QAM	HV	NT	16.91	0.010	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-0.47	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	4.52	0.003	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	13.85	0.008	PASS
Band4	20	20300	100	#0	16QAM	LV	NT	29.60	0.017	PASS
Band4	20	20300	100	#0	16QAM	NV	NT	41.17	0.024	PASS
Band4	20	20300	100	#0	16QAM	HV	NT	0.84	0.000	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	-30.17	-0.018	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-33.67	-0.020	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-10	-26.69	-0.016	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-42.90	-0.025	PASS
Band4	1.4	19957	6	#0	QPSK	NV	10	1.83	0.001	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-9.04	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-24.23	-0.014	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-34.36	-0.020	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-13.98	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-35.08	-0.021	PASS

Band4	1.4	19957	6	#0	16QAM	NV	-20	-11.39	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-10	-23.59	-0.014	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-17.42	-0.010	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-8.07	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-11.80	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-23.88	-0.014	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-33.06	-0.019	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-4.23	-0.002	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-23.13	-0.013	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-29.10	-0.017	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-10	-36.28	-0.021	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-6.37	-0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	-13.23	-0.008	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	-17.02	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	-19.50	-0.011	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	-24.33	-0.014	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	-29.71	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	-28.90	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-27.09	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-10	-27.41	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-25.71	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-26.02	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-25.23	-0.015	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	-28.78	-0.017	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	-27.25	-0.016	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	-27.07	-0.016	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-4.21	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	-6.82	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-10	-7.97	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-4.94	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-7.51	-0.004	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	-5.24	-0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-3.28	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-1.33	-0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	3.23	0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	8.07	0.005	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	12.30	0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-10	14.75	0.008	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	18.24	0.010	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	21.99	0.013	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	24.32	0.014	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	27.39	0.016	PASS

Band4	1.4	20393	6	#0	16QAM	NV	40	27.62	0.016	PASS
Band4	1.4	20393	6	#0	16QAM	NV	50	28.92	0.016	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-12.33	-0.007	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-13.06	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	-10	-13.43	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-15.11	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-13.46	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-14.78	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-15.21	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-16.28	-0.010	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-13.23	-0.008	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-7.31	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	-2.07	-0.001	PASS
Band4	3	19965	15	#0	16QAM	NV	-10	6.45	0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	0	14.79	0.009	PASS
Band4	3	19965	15	#0	16QAM	NV	10	19.33	0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	20	20.36	0.012	PASS
Band4	3	19965	15	#0	16QAM	NV	30	24.20	0.014	PASS
Band4	3	19965	15	#0	16QAM	NV	40	27.24	0.016	PASS
Band4	3	19965	15	#0	16QAM	NV	50	30.77	0.018	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-9.61	-0.006	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	-8.25	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	-10	-5.28	-0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	0	-1.73	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	10	2.69	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	20	7.41	0.004	PASS
Band4	3	20175	15	#0	QPSK	NV	30	12.66	0.007	PASS
Band4	3	20175	15	#0	QPSK	NV	40	17.41	0.010	PASS
Band4	3	20175	15	#0	QPSK	NV	50	23.85	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	35.91	0.021	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	44.46	0.026	PASS
Band4	3	20175	15	#0	16QAM	NV	-10	13.12	0.008	PASS
Band4	3	20175	15	#0	16QAM	NV	0	19.28	0.011	PASS
Band4	3	20175	15	#0	16QAM	NV	10	22.63	0.013	PASS
Band4	3	20175	15	#0	16QAM	NV	20	24.86	0.014	PASS
Band4	3	20175	15	#0	16QAM	NV	30	27.49	0.016	PASS
Band4	3	20175	15	#0	16QAM	NV	40	31.59	0.018	PASS
Band4	3	20175	15	#0	16QAM	NV	50	34.60	0.020	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-0.04	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-0.93	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	-10	1.09	0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	0	9.63	0.005	PASS

Band4	3	20385	15	#0	QPSK	NV	10	20.26	0.012	PASS
Band4	3	20385	15	#0	QPSK	NV	20	22.97	0.013	PASS
Band4	3	20385	15	#0	QPSK	NV	30	28.65	0.016	PASS
Band4	3	20385	15	#0	QPSK	NV	40	35.68	0.020	PASS
Band4	3	20385	15	#0	QPSK	NV	50	2.35	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	14.48	0.008	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	26.18	0.015	PASS
Band4	3	20385	15	#0	16QAM	NV	-10	-6.29	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-6.71	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	10	-4.25	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	20	0.06	0.000	PASS
Band4	3	20385	15	#0	16QAM	NV	30	4.19	0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	40	10.39	0.006	PASS
Band4	3	20385	15	#0	16QAM	NV	50	14.58	0.008	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-34.40	-0.020	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	-30.00	-0.018	PASS
Band4	5	19975	25	#0	QPSK	NV	-10	-29.55	-0.017	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-26.44	-0.015	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-20.46	-0.012	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-15.03	-0.009	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-10.84	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-0.20	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	50	11.23	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	22.39	0.013	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	27.59	0.016	PASS
Band4	5	19975	25	#0	16QAM	NV	-10	34.86	0.020	PASS
Band4	5	19975	25	#0	16QAM	NV	0	39.47	0.023	PASS
Band4	5	19975	25	#0	16QAM	NV	10	11.73	0.007	PASS
Band4	5	19975	25	#0	16QAM	NV	20	18.83	0.011	PASS
Band4	5	19975	25	#0	16QAM	NV	30	22.06	0.013	PASS
Band4	5	19975	25	#0	16QAM	NV	40	32.23	0.019	PASS
Band4	5	19975	25	#0	16QAM	NV	50	37.48	0.022	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-9.06	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-2.42	-0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	-10	2.42	0.001	PASS
Band4	5	20175	25	#0	QPSK	NV	0	12.35	0.007	PASS
Band4	5	20175	25	#0	QPSK	NV	10	23.69	0.014	PASS
Band4	5	20175	25	#0	QPSK	NV	20	33.20	0.019	PASS
Band4	5	20175	25	#0	QPSK	NV	30	19.83	0.011	PASS
Band4	5	20175	25	#0	QPSK	NV	40	32.44	0.019	PASS
Band4	5	20175	25	#0	QPSK	NV	50	38.85	0.022	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	17.65	0.010	PASS

Band4	5	20175	25	#0	16QAM	NV	-20	30.37	0.018	PASS
Band4	5	20175	25	#0	16QAM	NV	-10	39.41	0.023	PASS
Band4	5	20175	25	#0	16QAM	NV	0	10.80	0.006	PASS
Band4	5	20175	25	#0	16QAM	NV	10	21.79	0.013	PASS
Band4	5	20175	25	#0	16QAM	NV	20	28.12	0.016	PASS
Band4	5	20175	25	#0	16QAM	NV	30	38.50	0.022	PASS
Band4	5	20175	25	#0	16QAM	NV	40	27.28	0.016	PASS
Band4	5	20175	25	#0	16QAM	NV	50	18.02	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	0.44	0.000	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	8.43	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	-10	17.84	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	0	29.01	0.017	PASS
Band4	5	20375	25	#0	QPSK	NV	10	34.30	0.020	PASS
Band4	5	20375	25	#0	QPSK	NV	20	8.44	0.005	PASS
Band4	5	20375	25	#0	QPSK	NV	30	18.22	0.010	PASS
Band4	5	20375	25	#0	QPSK	NV	40	28.52	0.016	PASS
Band4	5	20375	25	#0	QPSK	NV	50	39.73	0.023	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	15.65	0.009	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	23.00	0.013	PASS
Band4	5	20375	25	#0	16QAM	NV	-10	31.94	0.018	PASS
Band4	5	20375	25	#0	16QAM	NV	0	35.75	0.020	PASS
Band4	5	20375	25	#0	16QAM	NV	10	39.00	0.022	PASS
Band4	5	20375	25	#0	16QAM	NV	20	42.21	0.024	PASS
Band4	5	20375	25	#0	16QAM	NV	30	44.27	0.025	PASS
Band4	5	20375	25	#0	16QAM	NV	40	44.40	0.025	PASS
Band4	5	20375	25	#0	16QAM	NV	50	31.66	0.018	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-24.63	-0.014	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-35.63	-0.021	PASS
Band4	10	20000	50	#0	QPSK	NV	-10	-15.21	-0.009	PASS
Band4	10	20000	50	#0	QPSK	NV	0	8.93	0.005	PASS
Band4	10	20000	50	#0	QPSK	NV	10	11.69	0.007	PASS
Band4	10	20000	50	#0	QPSK	NV	20	16.98	0.010	PASS
Band4	10	20000	50	#0	QPSK	NV	30	24.65	0.014	PASS
Band4	10	20000	50	#0	QPSK	NV	40	0.00	0.000	PASS
Band4	10	20000	50	#0	QPSK	NV	50	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-30	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-20	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	-10	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	0	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	10	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	20	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	30	0.00	0.000	PASS

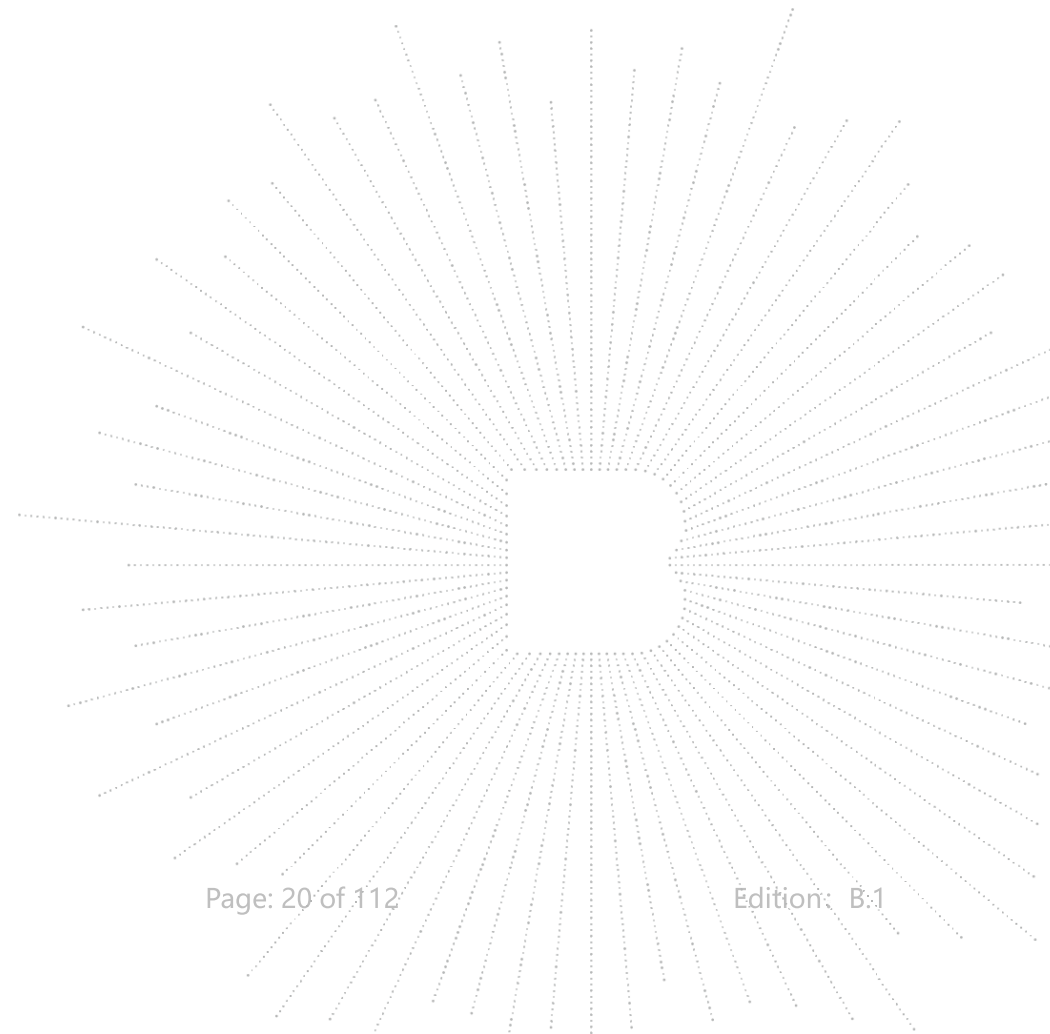


Band4	10	20000	50	#0	16QAM	NV	40	0.00	0.000	PASS
Band4	10	20000	50	#0	16QAM	NV	50	0.00	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	-29.60	-0.017	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	-36.44	-0.021	PASS
Band4	10	20175	50	#0	QPSK	NV	-10	-31.77	-0.018	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-20.31	-0.012	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-7.24	-0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	20	8.23	0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	30	27.09	0.016	PASS
Band4	10	20175	50	#0	QPSK	NV	40	15.05	0.009	PASS
Band4	10	20175	50	#0	QPSK	NV	50	13.78	0.008	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-32.70	-0.019	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-34.49	-0.020	PASS
Band4	10	20350	50	#0	QPSK	NV	-10	-28.88	-0.017	PASS
Band4	10	20350	50	#0	QPSK	NV	0	-20.74	-0.012	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-12.60	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	20	-1.57	-0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	30	9.57	0.005	PASS
Band4	10	20350	50	#0	QPSK	NV	40	23.79	0.014	PASS
Band4	10	20350	50	#0	QPSK	NV	50	33.96	0.019	PASS
Band4	10	20350	50	#0	16QAM	NV	-30	2.43	0.001	PASS
Band4	10	20350	50	#0	16QAM	NV	-20	24.03	0.014	PASS
Band4	10	20350	50	#0	16QAM	NV	-10	15.68	0.009	PASS
Band4	10	20350	50	#0	16QAM	NV	0	19.24	0.011	PASS
Band4	10	20350	50	#0	16QAM	NV	10	33.66	0.019	PASS
Band4	10	20350	50	#0	16QAM	NV	20	20.60	0.012	PASS
Band4	10	20350	50	#0	16QAM	NV	30	26.19	0.015	PASS
Band4	10	20350	50	#0	16QAM	NV	40	6.61	0.004	PASS
Band4	10	20350	50	#0	16QAM	NV	50	14.16	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-28.38	-0.017	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-27.22	-0.016	PASS
Band4	15	20025	75	#0	QPSK	NV	-10	-18.08	-0.011	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-1.70	-0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	10	14.38	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	20	30.40	0.018	PASS
Band4	15	20025	75	#0	QPSK	NV	30	13.72	0.008	PASS
Band4	15	20025	75	#0	QPSK	NV	40	31.01	0.018	PASS
Band4	15	20025	75	#0	QPSK	NV	50	13.25	0.008	PASS
Band4	15	20025	75	#0	16QAM	NV	-30	33.26	0.019	PASS
Band4	15	20025	75	#0	16QAM	NV	-20	21.59	0.013	PASS
Band4	15	20025	75	#0	16QAM	NV	-10	9.37	0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	0	23.86	0.014	PASS

Band4	15	20025	75	#0	16QAM	NV	10	1.67	0.001	PASS
Band4	15	20025	75	#0	16QAM	NV	20	12.06	0.007	PASS
Band4	15	20025	75	#0	16QAM	NV	30	21.70	0.013	PASS
Band4	15	20025	75	#0	16QAM	NV	40	8.85	0.005	PASS
Band4	15	20025	75	#0	16QAM	NV	50	8.88	0.005	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	-0.96	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	13.60	0.008	PASS
Band4	15	20175	75	#0	QPSK	NV	-10	33.16	0.019	PASS
Band4	15	20175	75	#0	QPSK	NV	0	18.65	0.011	PASS
Band4	15	20175	75	#0	QPSK	NV	10	24.81	0.014	PASS
Band4	15	20175	75	#0	QPSK	NV	20	6.55	0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	30	22.82	0.013	PASS
Band4	15	20175	75	#0	QPSK	NV	40	10.61	0.006	PASS
Band4	15	20175	75	#0	QPSK	NV	50	19.64	0.011	PASS
Band4	15	20175	75	#0	16QAM	NV	-30	2.78	0.002	PASS
Band4	15	20175	75	#0	16QAM	NV	-20	7.08	0.004	PASS
Band4	15	20175	75	#0	16QAM	NV	-10	17.41	0.010	PASS
Band4	15	20175	75	#0	16QAM	NV	0	24.25	0.014	PASS
Band4	15	20175	75	#0	16QAM	NV	10	23.76	0.014	PASS
Band4	15	20175	75	#0	16QAM	NV	20	27.25	0.016	PASS
Band4	15	20175	75	#0	16QAM	NV	30	25.52	0.015	PASS
Band4	15	20175	75	#0	16QAM	NV	40	8.13	0.005	PASS
Band4	15	20175	75	#0	16QAM	NV	50	21.19	0.012	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	10.06	0.006	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	24.59	0.014	PASS
Band4	15	20325	75	#0	QPSK	NV	-10	-0.09	0.000	PASS
Band4	15	20325	75	#0	QPSK	NV	0	7.28	0.004	PASS
Band4	15	20325	75	#0	QPSK	NV	10	31.30	0.018	PASS
Band4	15	20325	75	#0	QPSK	NV	20	19.58	0.011	PASS
Band4	15	20325	75	#0	QPSK	NV	30	33.77	0.019	PASS
Band4	15	20325	75	#0	QPSK	NV	40	29.05	0.017	PASS
Band4	15	20325	75	#0	QPSK	NV	50	15.65	0.009	PASS
Band4	15	20325	75	#0	16QAM	NV	-30	20.86	0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	-20	-1.12	-0.001	PASS
Band4	15	20325	75	#0	16QAM	NV	-10	3.19	0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	0	3.16	0.002	PASS
Band4	15	20325	75	#0	16QAM	NV	10	6.34	0.004	PASS
Band4	15	20325	75	#0	16QAM	NV	20	15.82	0.009	PASS
Band4	15	20325	75	#0	16QAM	NV	30	20.48	0.012	PASS
Band4	15	20325	75	#0	16QAM	NV	40	22.54	0.013	PASS
Band4	15	20325	75	#0	16QAM	NV	50	25.15	0.014	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-6.29	-0.004	PASS

Band4	20	20050	100	#0	QPSK	NV	-20	-15.75	-0.009	PASS
Band4	20	20050	100	#0	QPSK	NV	-10	-18.93	-0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-16.97	-0.010	PASS
Band4	20	20050	100	#0	QPSK	NV	10	-13.72	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	20	-8.34	-0.005	PASS
Band4	20	20050	100	#0	QPSK	NV	30	5.06	0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	40	17.54	0.010	PASS
Band4	20	20050	100	#0	QPSK	NV	50	29.83	0.017	PASS
Band4	20	20050	100	#0	16QAM	NV	-30	2.39	0.001	PASS
Band4	20	20050	100	#0	16QAM	NV	-20	25.49	0.015	PASS
Band4	20	20050	100	#0	16QAM	NV	-10	10.30	0.006	PASS
Band4	20	20050	100	#0	16QAM	NV	0	19.53	0.011	PASS
Band4	20	20050	100	#0	16QAM	NV	10	24.18	0.014	PASS
Band4	20	20050	100	#0	16QAM	NV	20	27.09	0.016	PASS
Band4	20	20050	100	#0	16QAM	NV	30	22.39	0.013	PASS
Band4	20	20050	100	#0	16QAM	NV	40	17.35	0.010	PASS
Band4	20	20050	100	#0	16QAM	NV	50	32.00	0.019	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-6.28	-0.004	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	3.73	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	-10	26.68	0.015	PASS
Band4	20	20175	100	#0	QPSK	NV	0	17.51	0.010	PASS
Band4	20	20175	100	#0	QPSK	NV	10	38.70	0.022	PASS
Band4	20	20175	100	#0	QPSK	NV	20	31.10	0.018	PASS
Band4	20	20175	100	#0	QPSK	NV	30	12.95	0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	40	4.01	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	50	10.71	0.006	PASS
Band4	20	20175	100	#0	16QAM	NV	-30	26.02	0.015	PASS
Band4	20	20175	100	#0	16QAM	NV	-20	3.48	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	-10	8.48	0.005	PASS
Band4	20	20175	100	#0	16QAM	NV	0	21.34	0.012	PASS
Band4	20	20175	100	#0	16QAM	NV	10	30.90	0.018	PASS
Band4	20	20175	100	#0	16QAM	NV	20	15.74	0.009	PASS
Band4	20	20175	100	#0	16QAM	NV	30	4.08	0.002	PASS
Band4	20	20175	100	#0	16QAM	NV	40	0.93	0.001	PASS
Band4	20	20175	100	#0	16QAM	NV	50	-0.37	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	-10.30	-0.006	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	-7.54	-0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	-10	2.40	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	0	16.02	0.009	PASS
Band4	20	20300	100	#0	QPSK	NV	10	26.94	0.015	PASS
Band4	20	20300	100	#0	QPSK	NV	20	36.81	0.021	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-4.58	-0.003	PASS

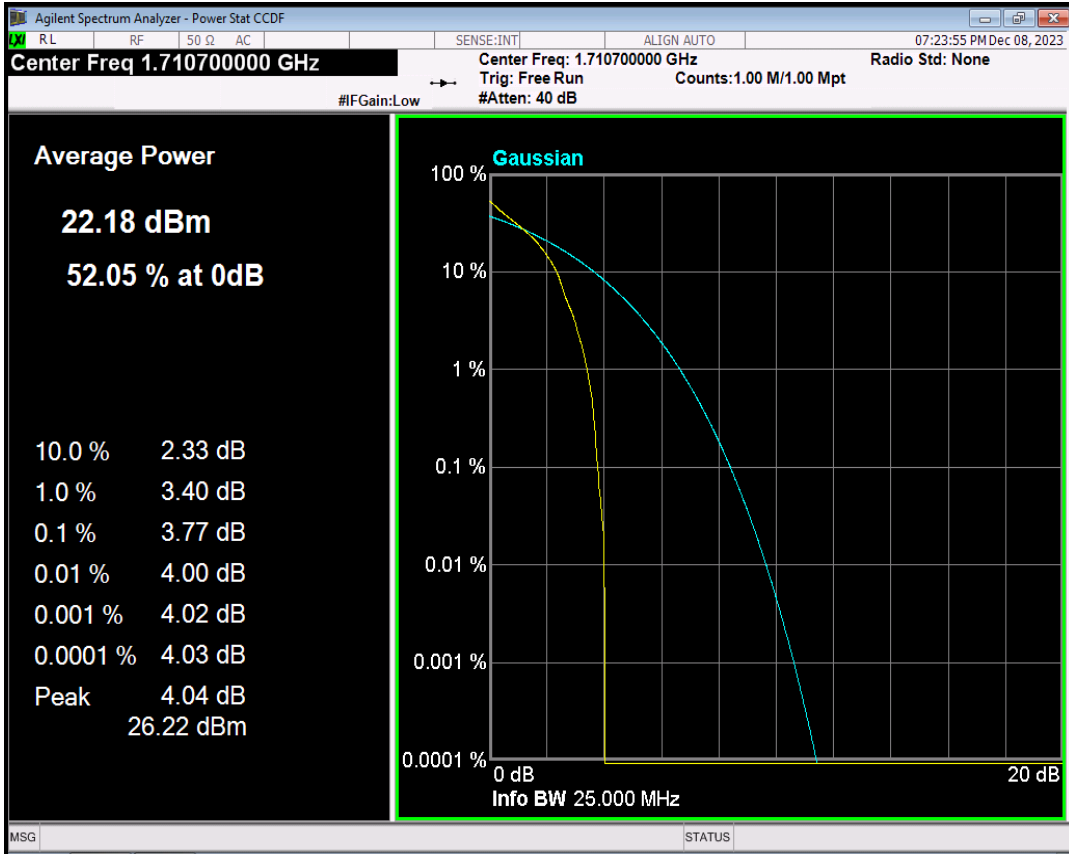
Band4	20	20300	100	#0	QPSK	NV	40	6.14	0.004	PASS
Band4	20	20300	100	#0	QPSK	NV	50	23.23	0.013	PASS
Band4	20	20300	100	#0	16QAM	NV	-30	36.08	0.021	PASS
Band4	20	20300	100	#0	16QAM	NV	-20	-9.71	-0.006	PASS
Band4	20	20300	100	#0	16QAM	NV	-10	-4.26	-0.002	PASS
Band4	20	20300	100	#0	16QAM	NV	0	1.93	0.001	PASS
Band4	20	20300	100	#0	16QAM	NV	10	14.78	0.008	PASS
Band4	20	20300	100	#0	16QAM	NV	20	24.40	0.014	PASS
Band4	20	20300	100	#0	16QAM	NV	30	5.51	0.003	PASS
Band4	20	20300	100	#0	16QAM	NV	40	24.96	0.014	PASS
Band4	20	20300	100	#0	16QAM	NV	50	3.62	0.002	PASS



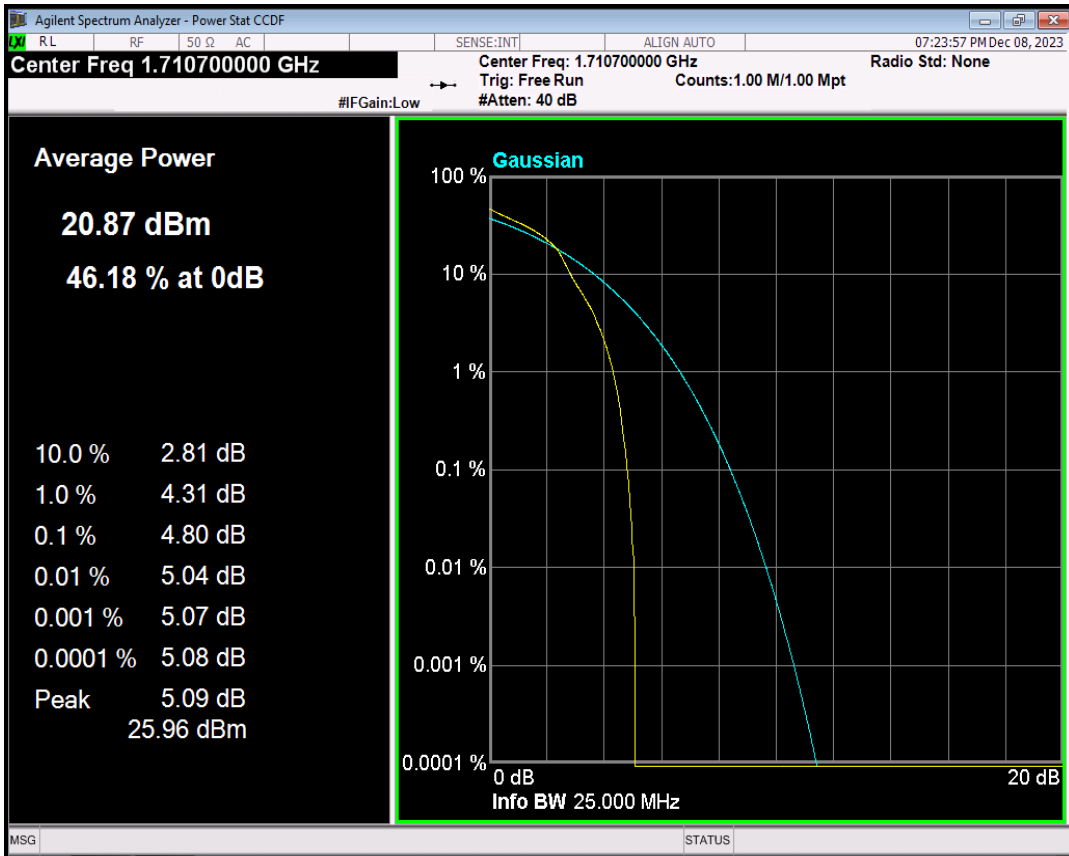
### Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	3.77	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.80	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.83	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.48	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.02	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.76	13	PASS
Band4	3	19965	1	#0	QPSK	3.93	13	PASS
Band4	3	19965	1	#0	16QAM	4.83	13	PASS
Band4	3	20175	1	#0	QPSK	4.78	13	PASS
Band4	3	20175	1	#0	16QAM	5.30	13	PASS
Band4	3	20385	1	#0	QPSK	3.62	13	PASS
Band4	3	20385	1	#0	16QAM	4.32	13	PASS
Band4	5	19975	1	#0	QPSK	4.14	13	PASS
Band4	5	19975	1	#0	16QAM	4.90	13	PASS
Band4	5	20175	1	#0	QPSK	4.52	13	PASS
Band4	5	20175	1	#0	16QAM	5.20	13	PASS
Band4	5	20375	1	#0	QPSK	3.53	13	PASS
Band4	5	20375	1	#0	16QAM	4.41	13	PASS
Band4	10	20000	1	#0	QPSK	3.94	13	PASS
Band4	10	20000	1	#0	16QAM	4.87	13	PASS
Band4	10	20175	1	#0	QPSK	4.23	13	PASS
Band4	10	20175	1	#0	16QAM	5.30	13	PASS
Band4	10	20350	1	#0	QPSK	3.05	13	PASS
Band4	10	20350	1	#0	16QAM	3.99	13	PASS
Band4	15	20025	1	#0	QPSK	3.95	13	PASS
Band4	15	20025	1	#0	16QAM	5.01	13	PASS
Band4	15	20175	1	#0	QPSK	4.15	13	PASS
Band4	15	20175	1	#0	16QAM	5.16	13	PASS
Band4	15	20325	1	#0	QPSK	3.89	13	PASS
Band4	15	20325	1	#0	16QAM	4.78	13	PASS
Band4	20	20050	1	#0	QPSK	3.76	13	PASS
Band4	20	20050	1	#0	16QAM	4.65	13	PASS
Band4	20	20175	1	#0	QPSK	4.25	13	PASS
Band4	20	20175	1	#0	16QAM	5.27	13	PASS
Band4	20	20300	1	#0	QPSK	5.08	13	PASS
Band4	20	20300	1	#0	16QAM	6.11	13	PASS

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

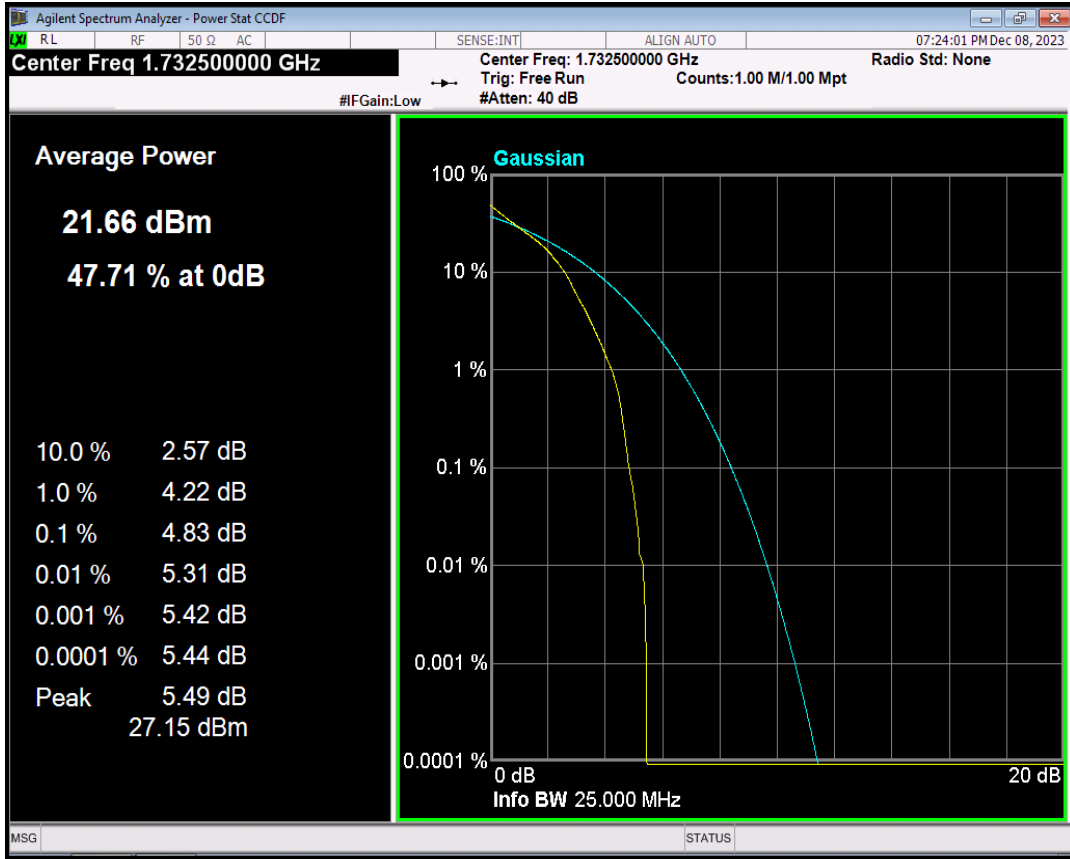


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0

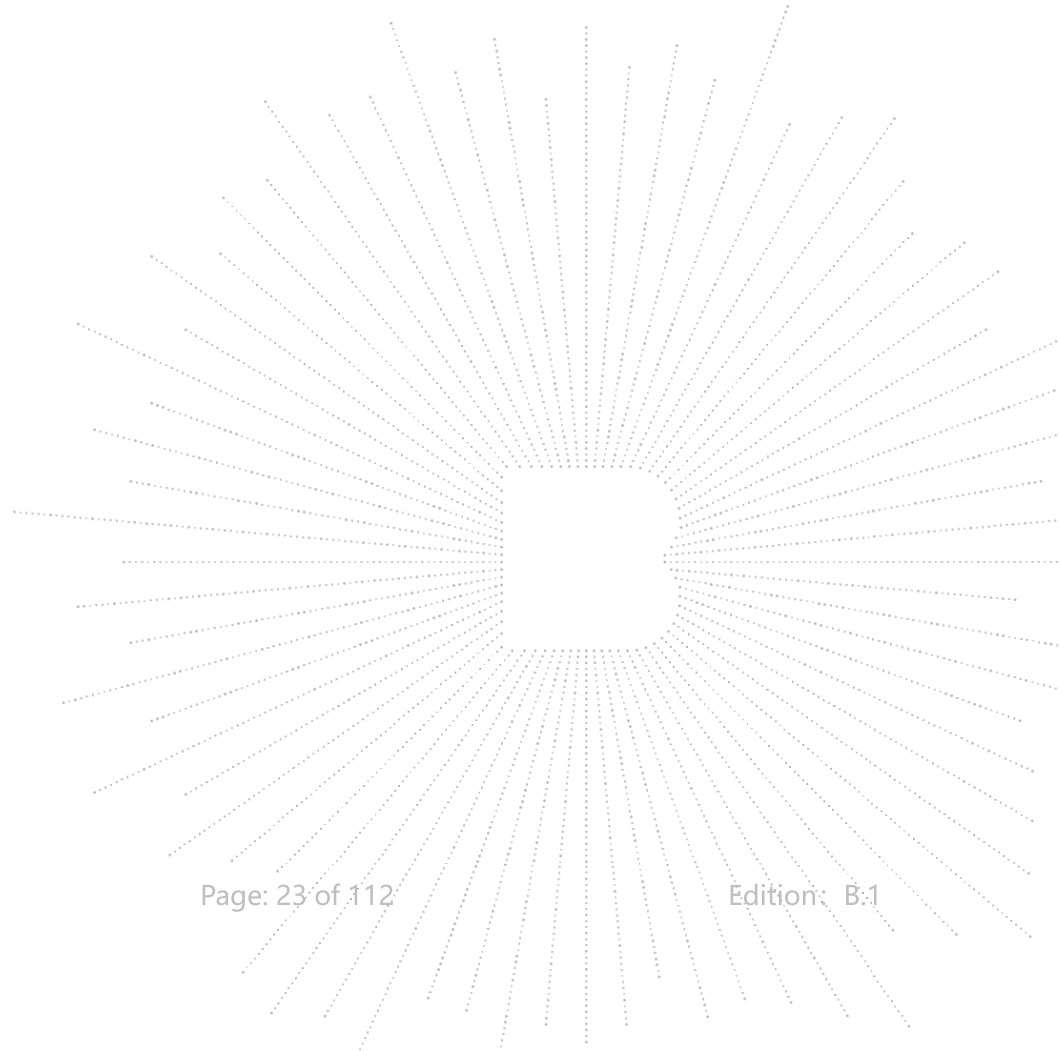


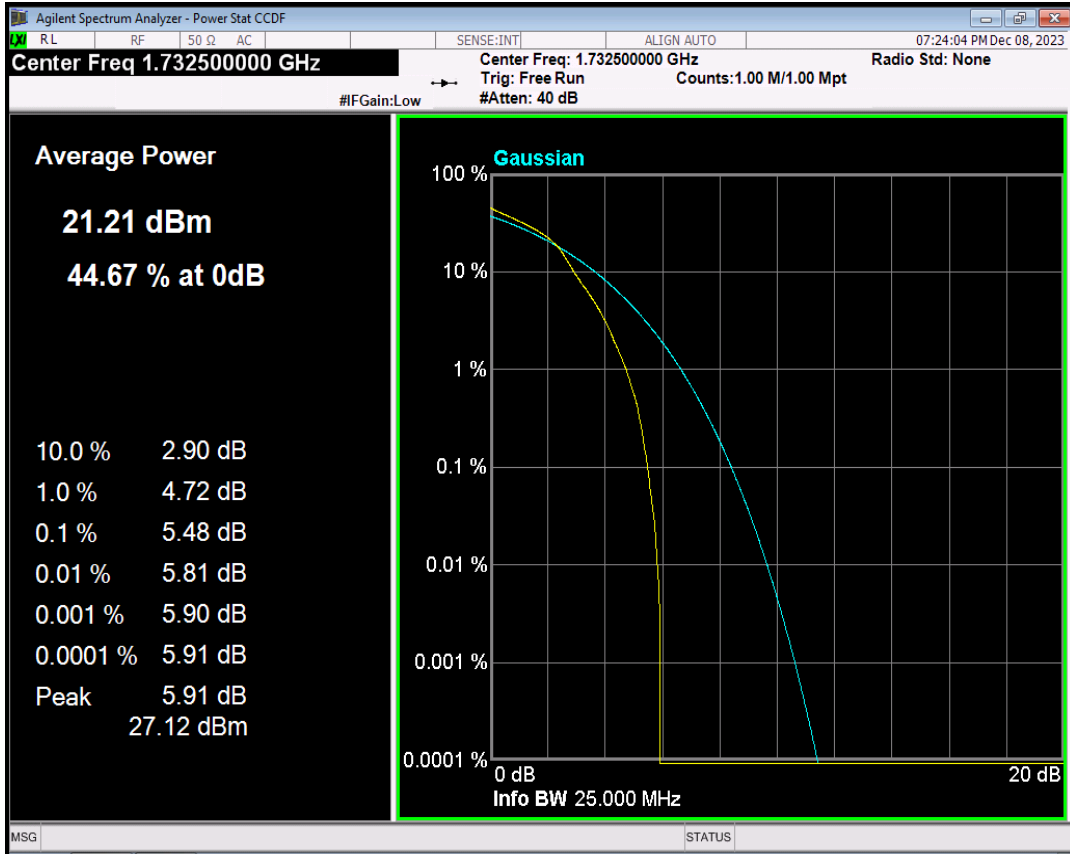


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

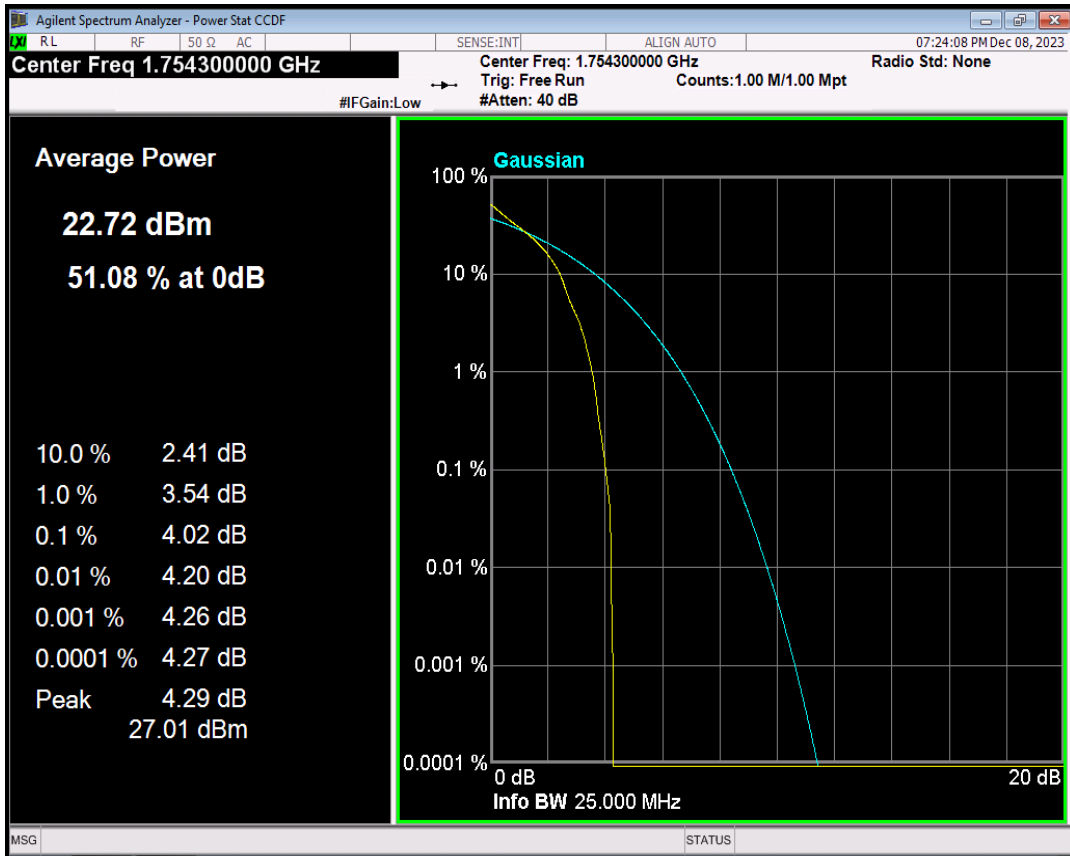


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0





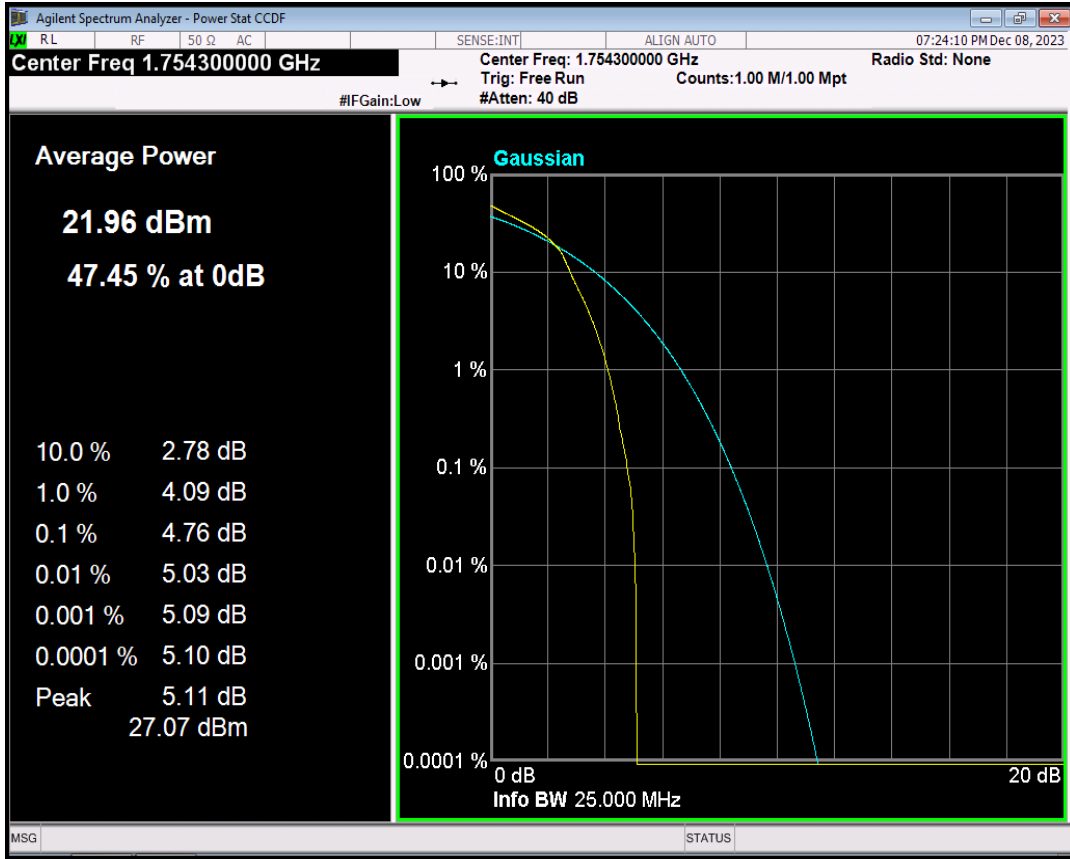
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



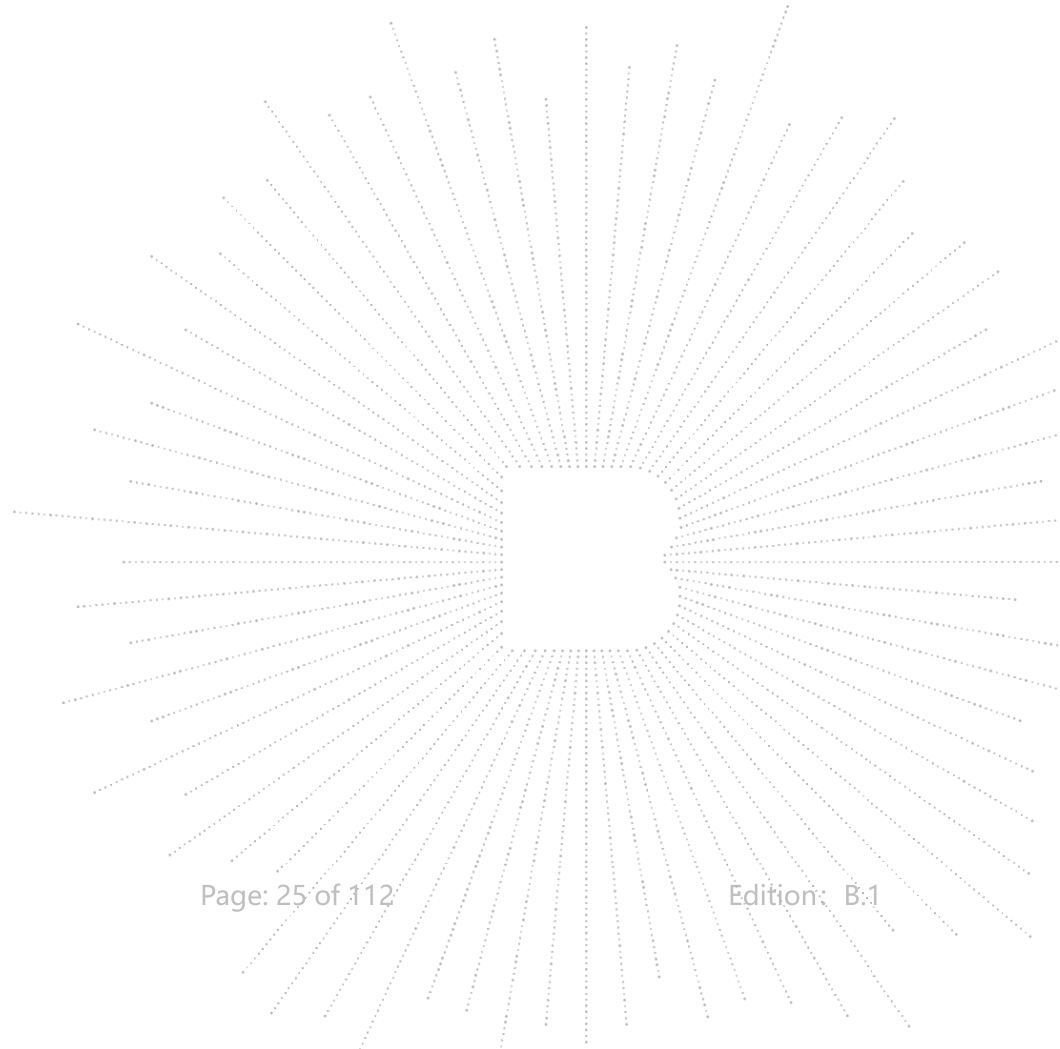


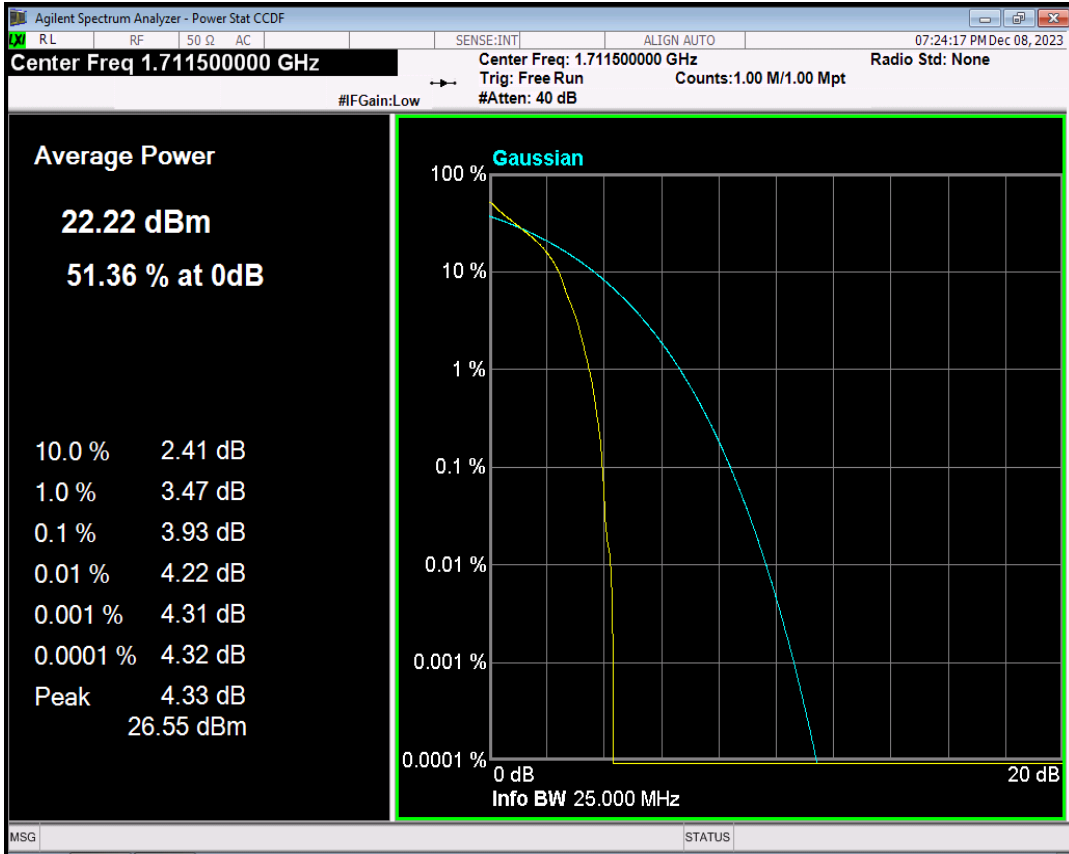


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

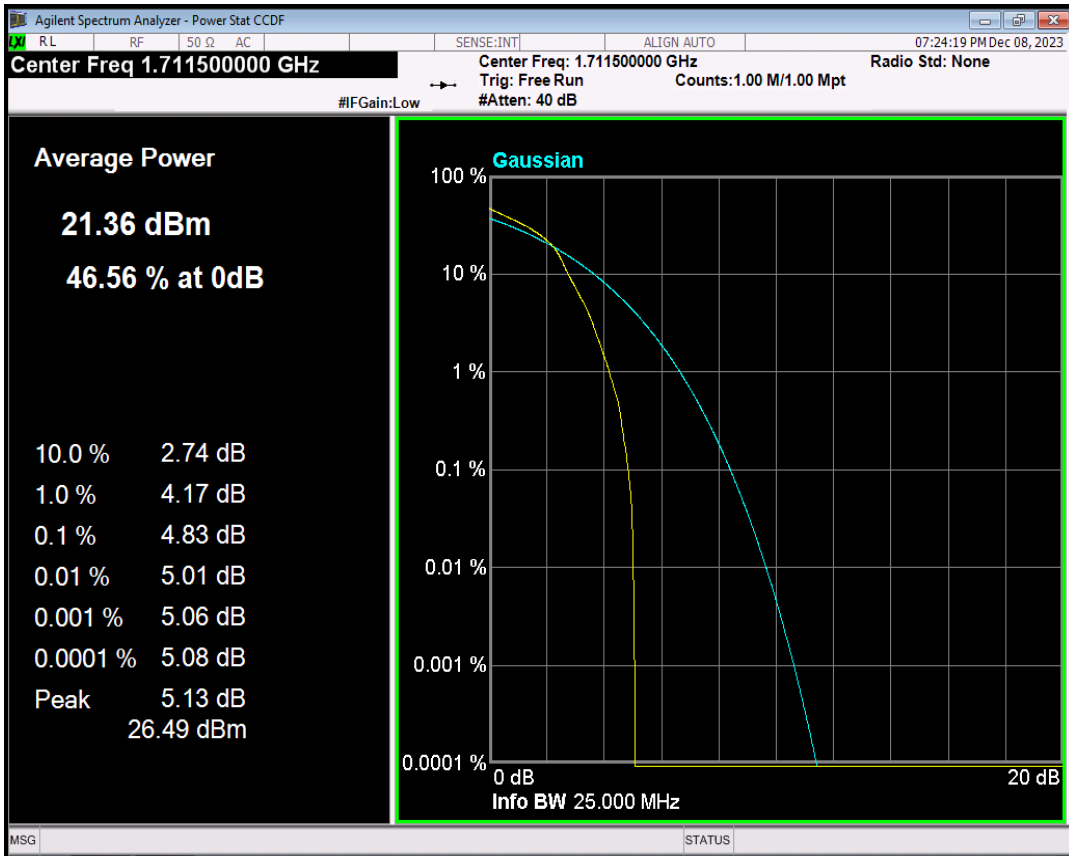


Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

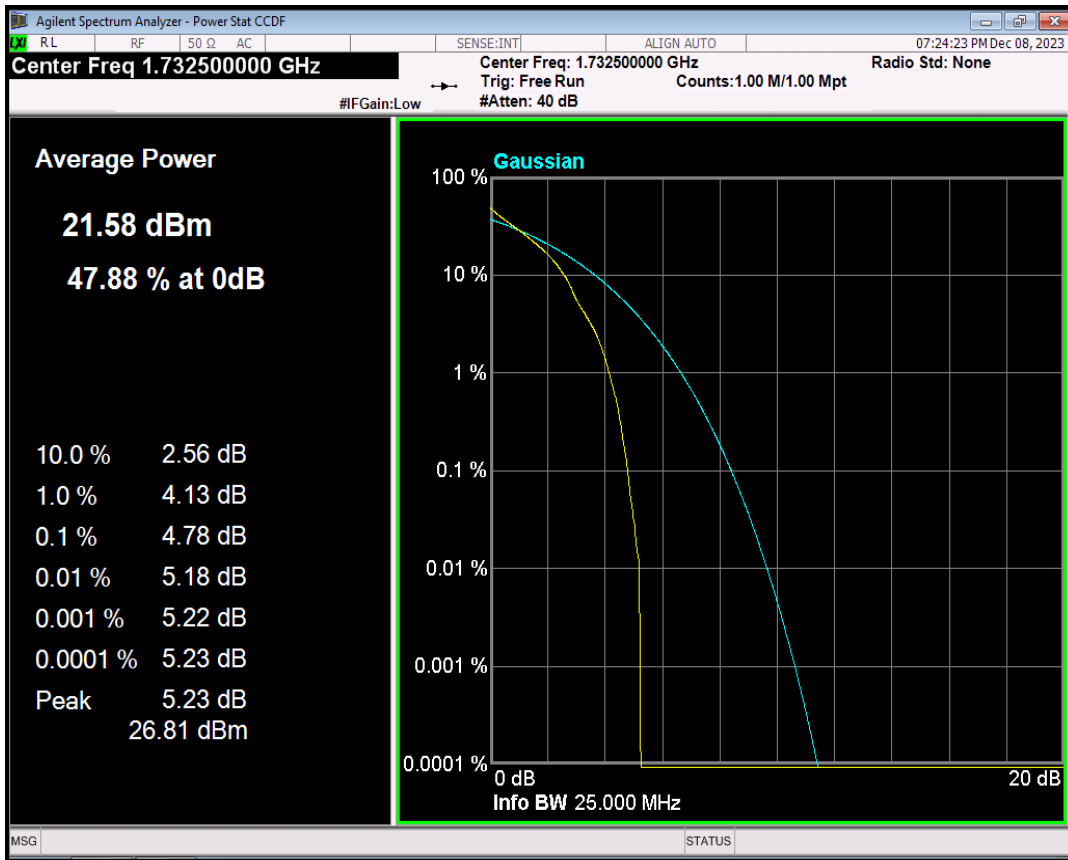




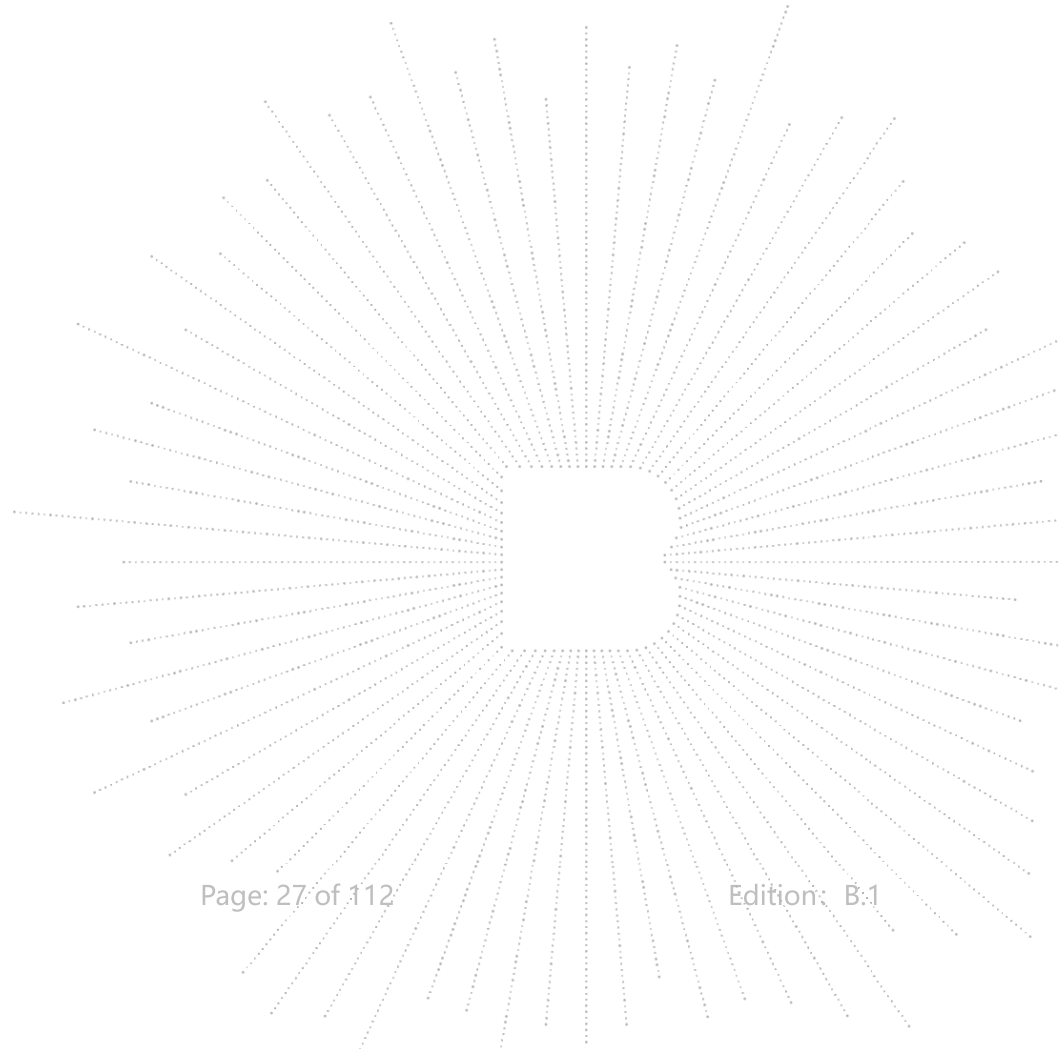
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

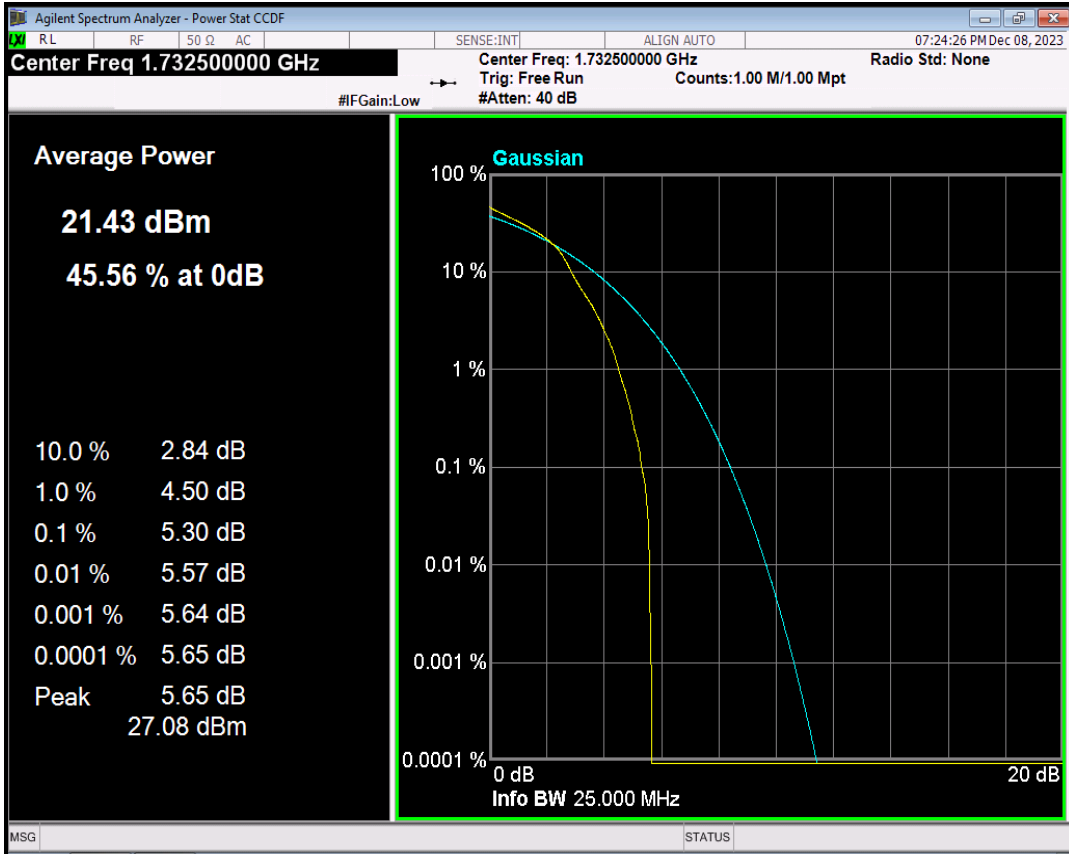


Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0

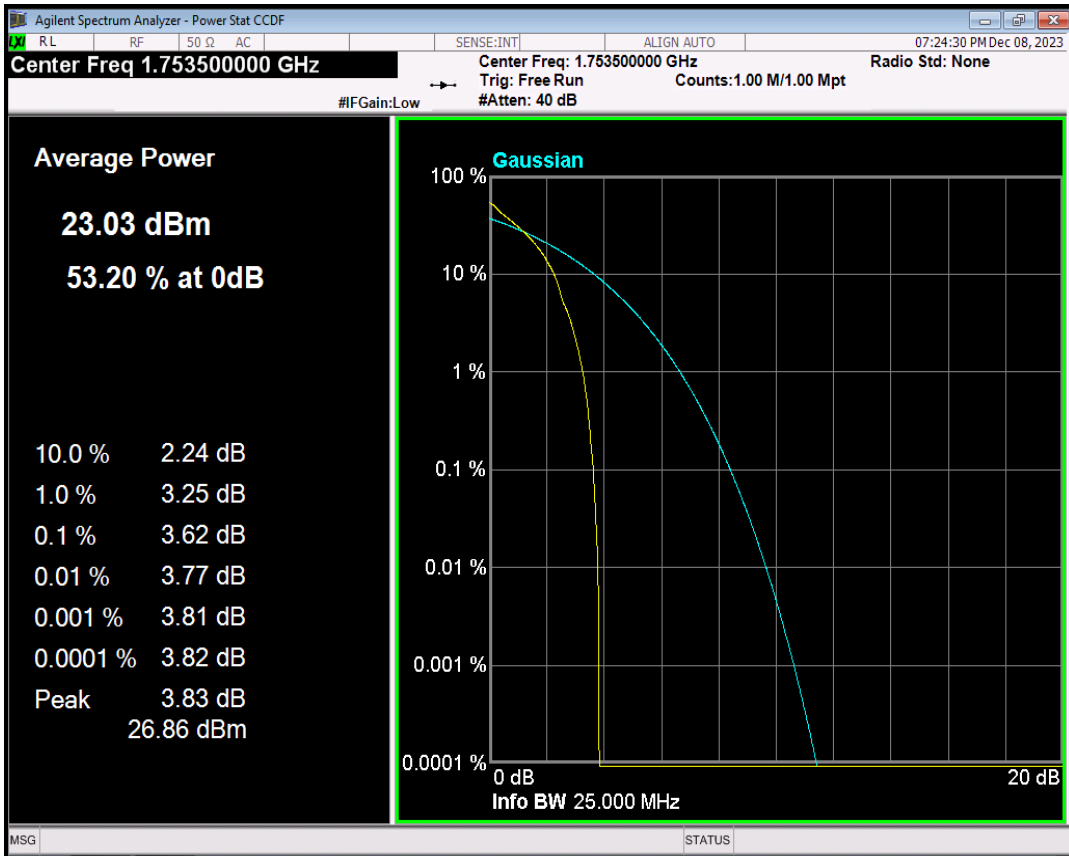


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



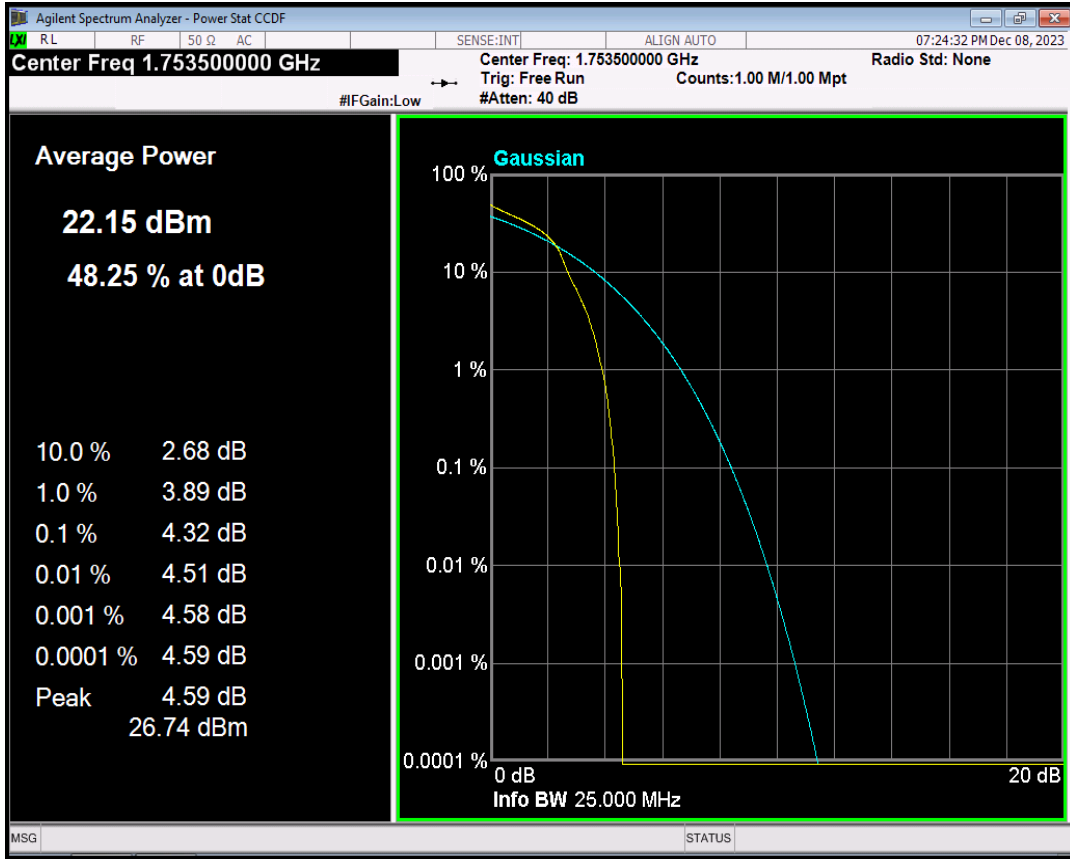


Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

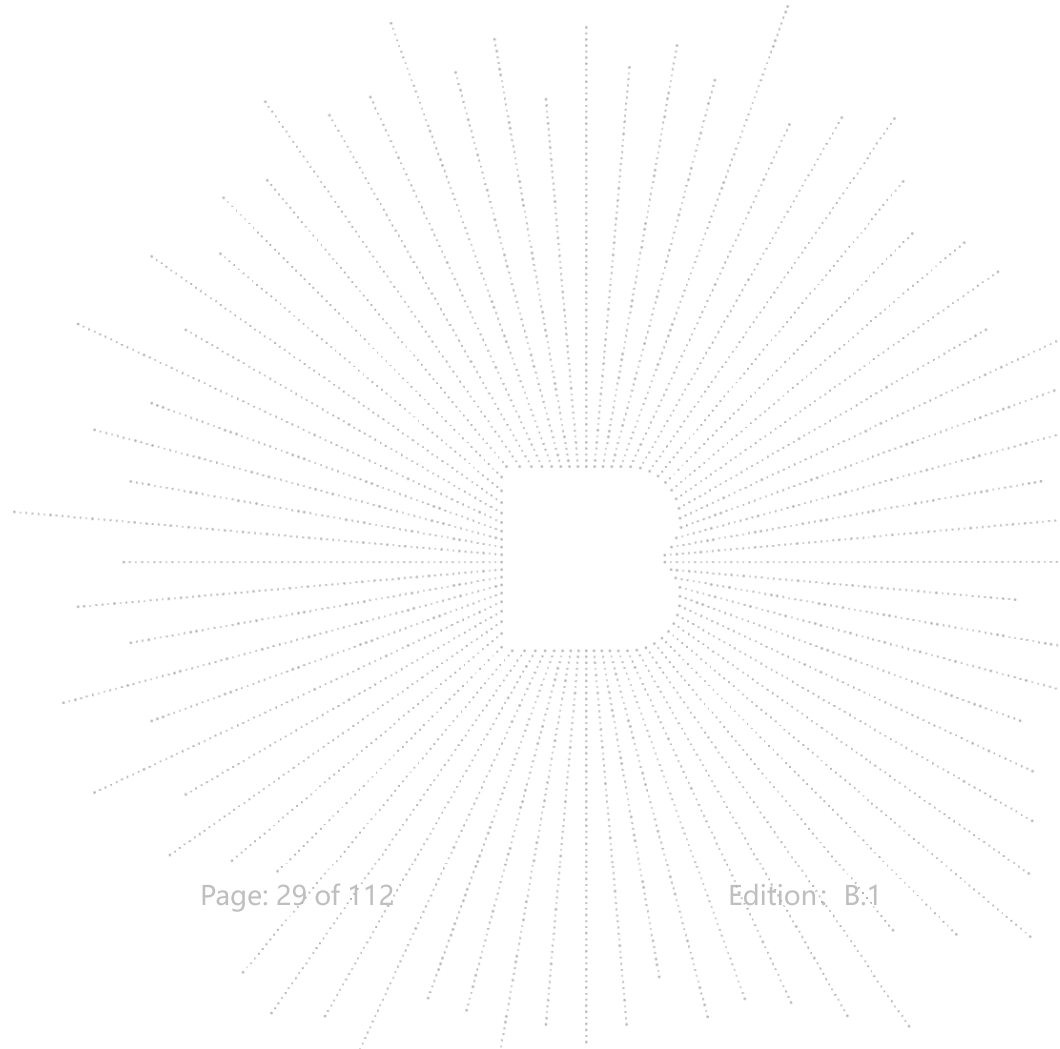


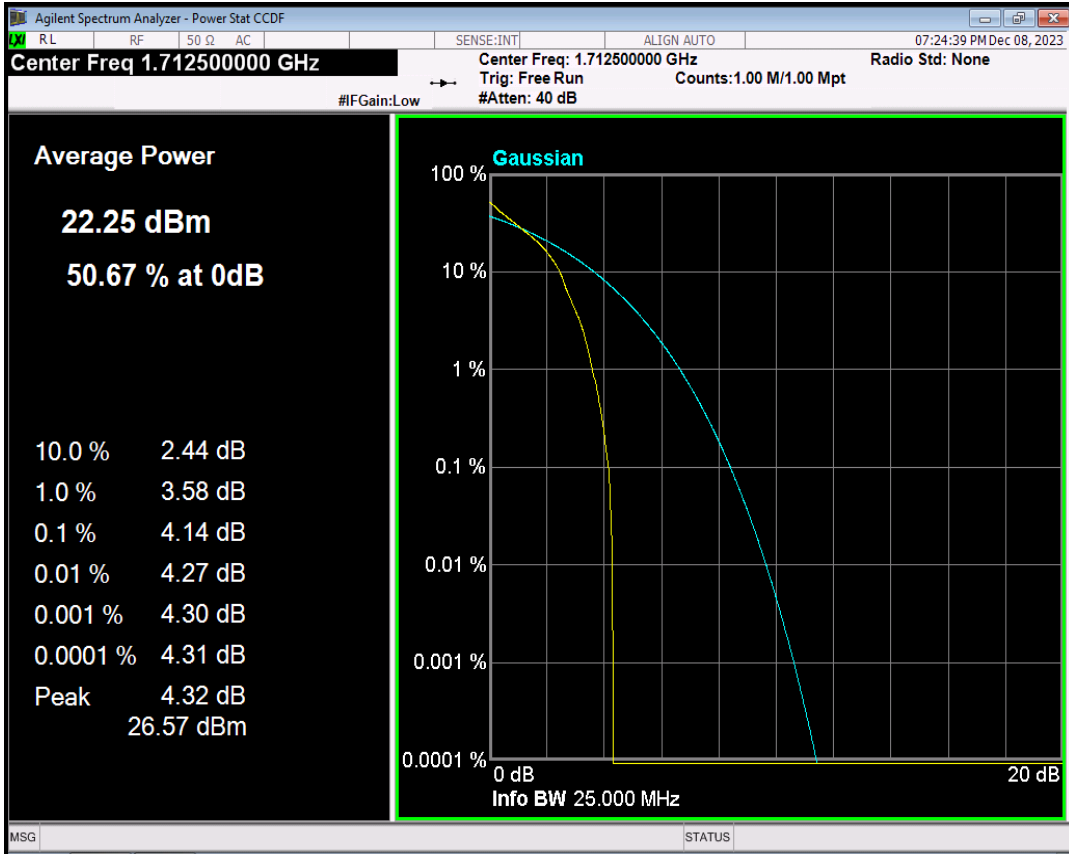


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

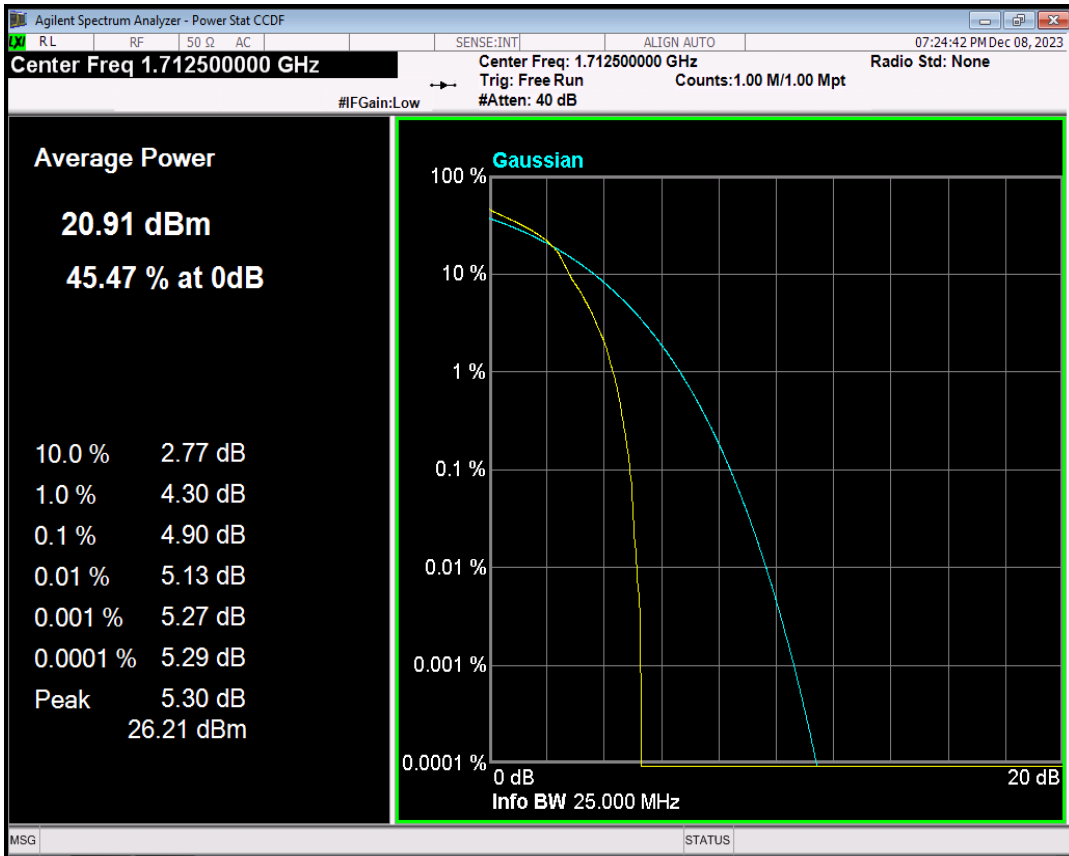


Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



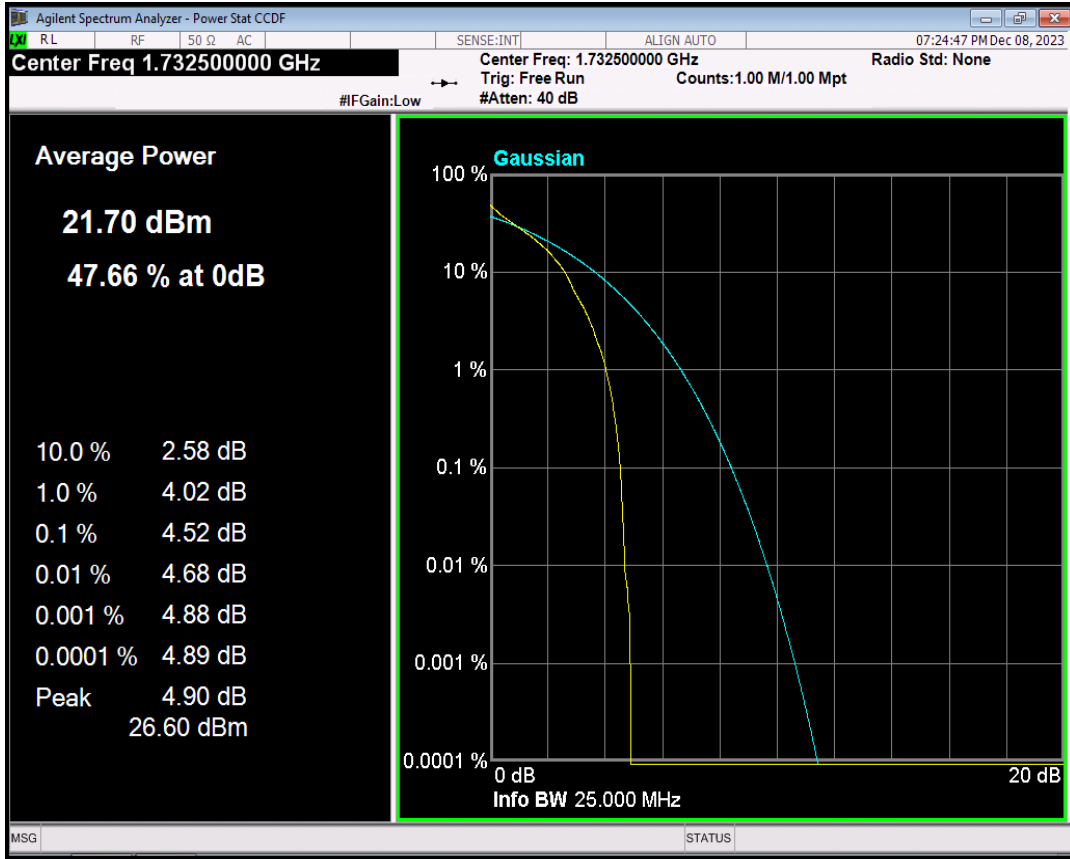


Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

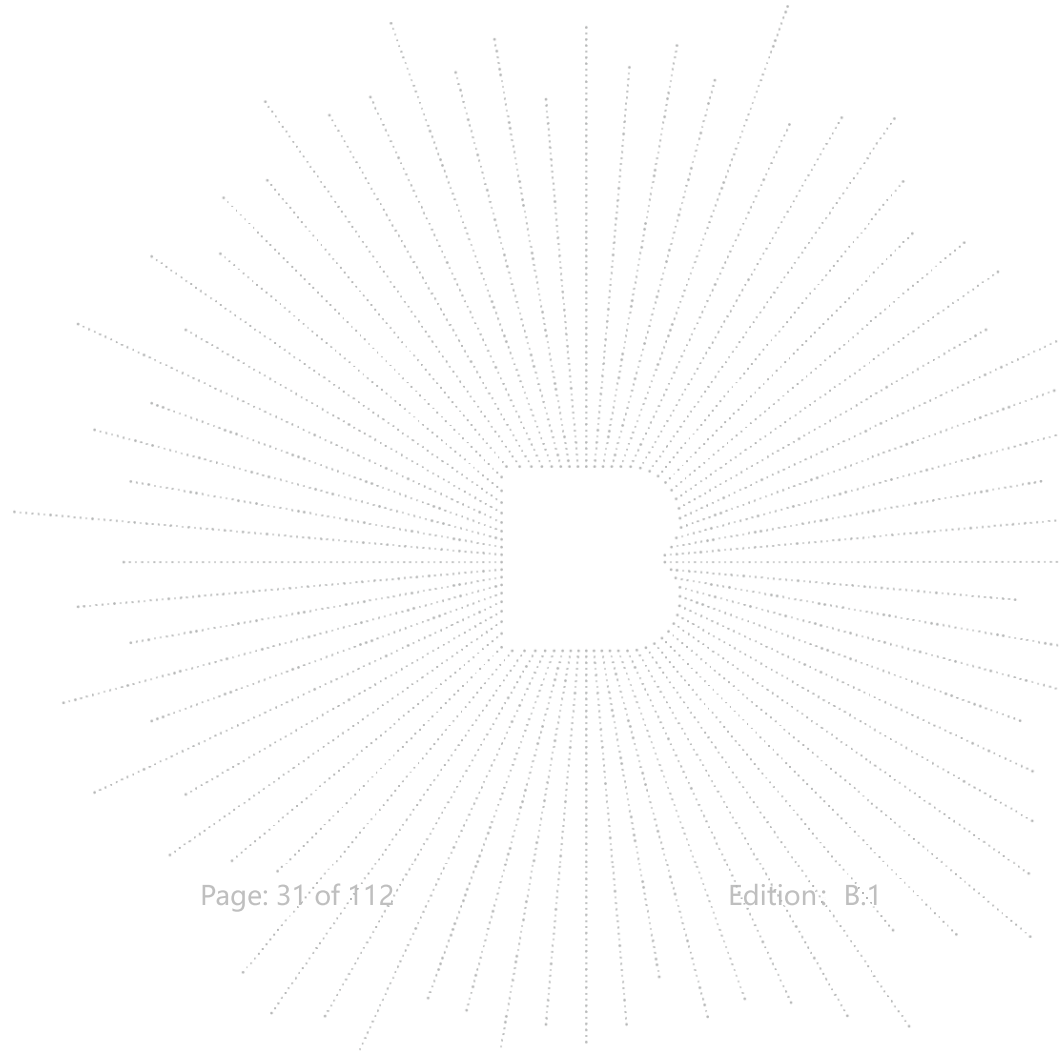


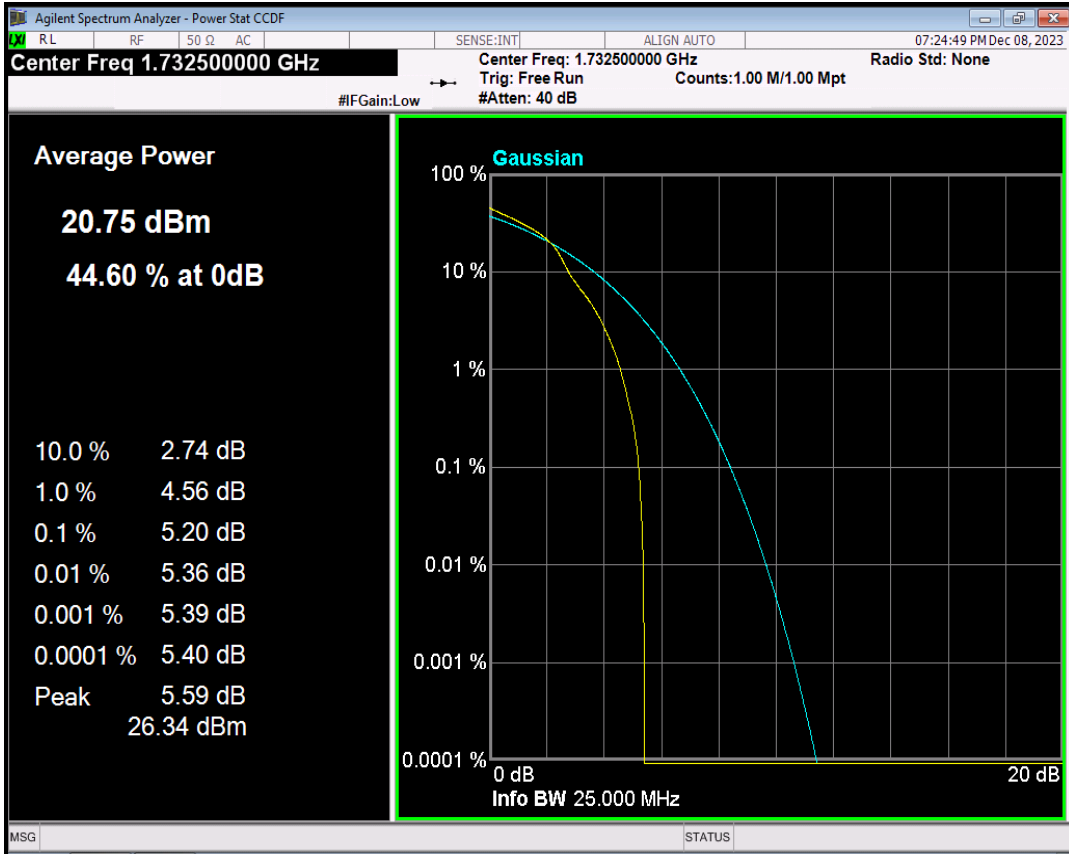


Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

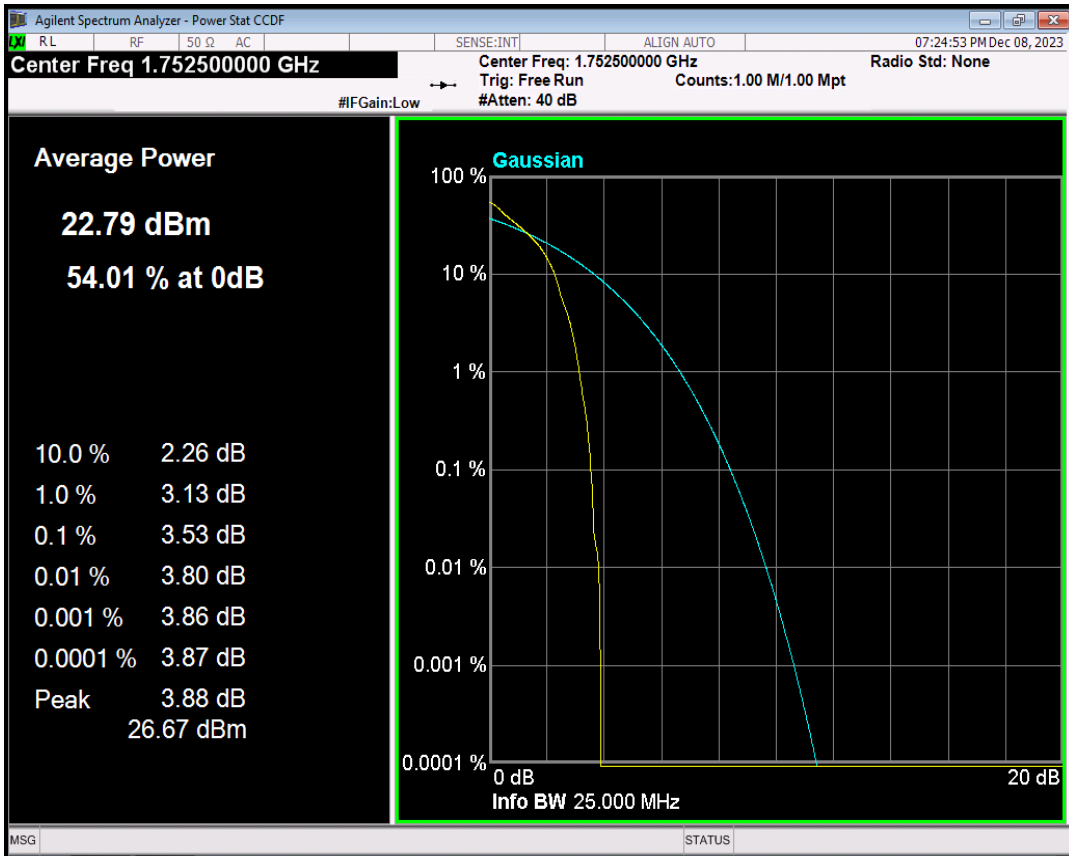


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



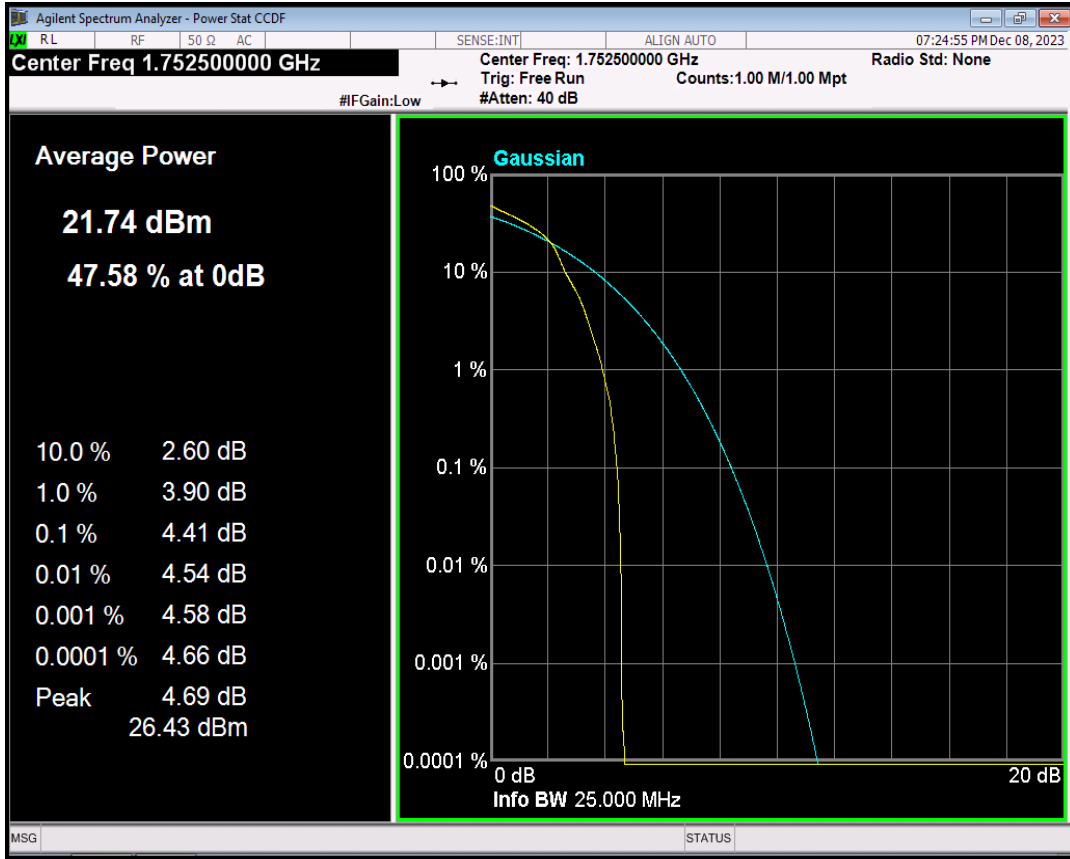


Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

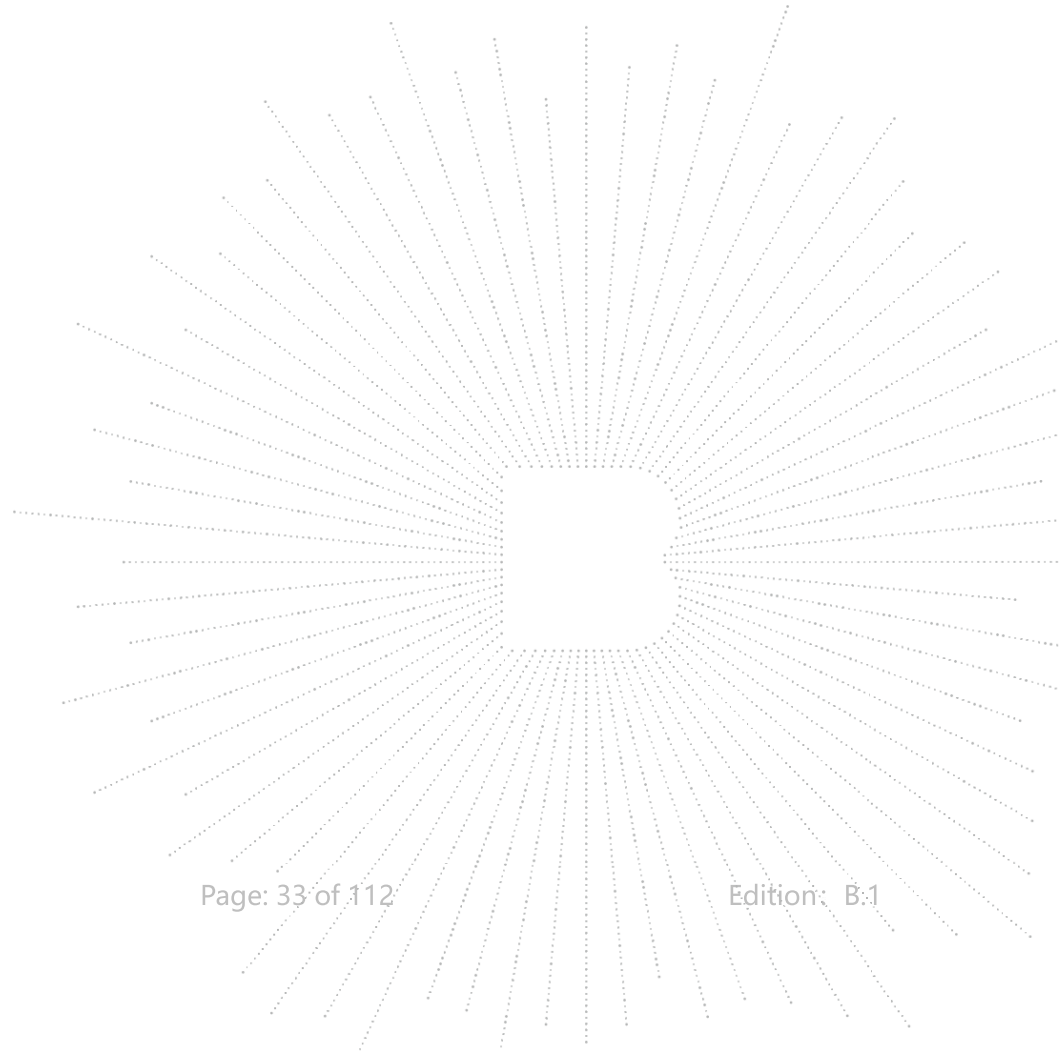


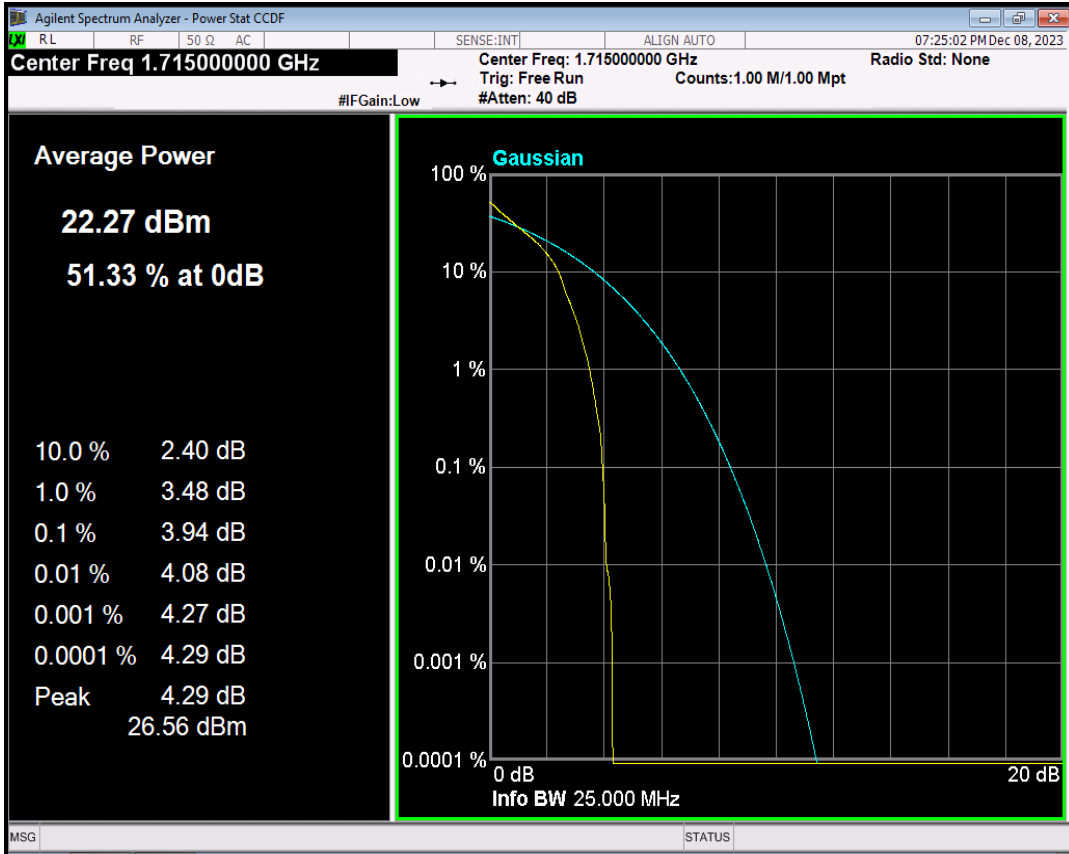


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

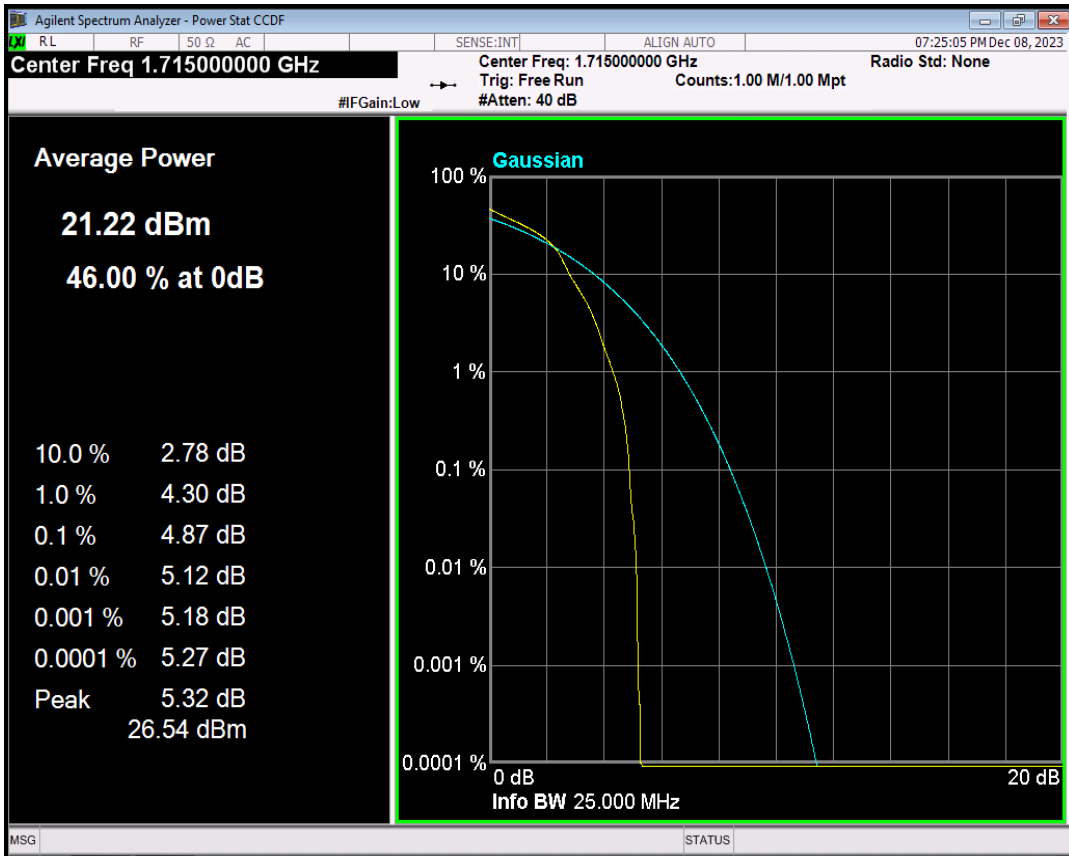


Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



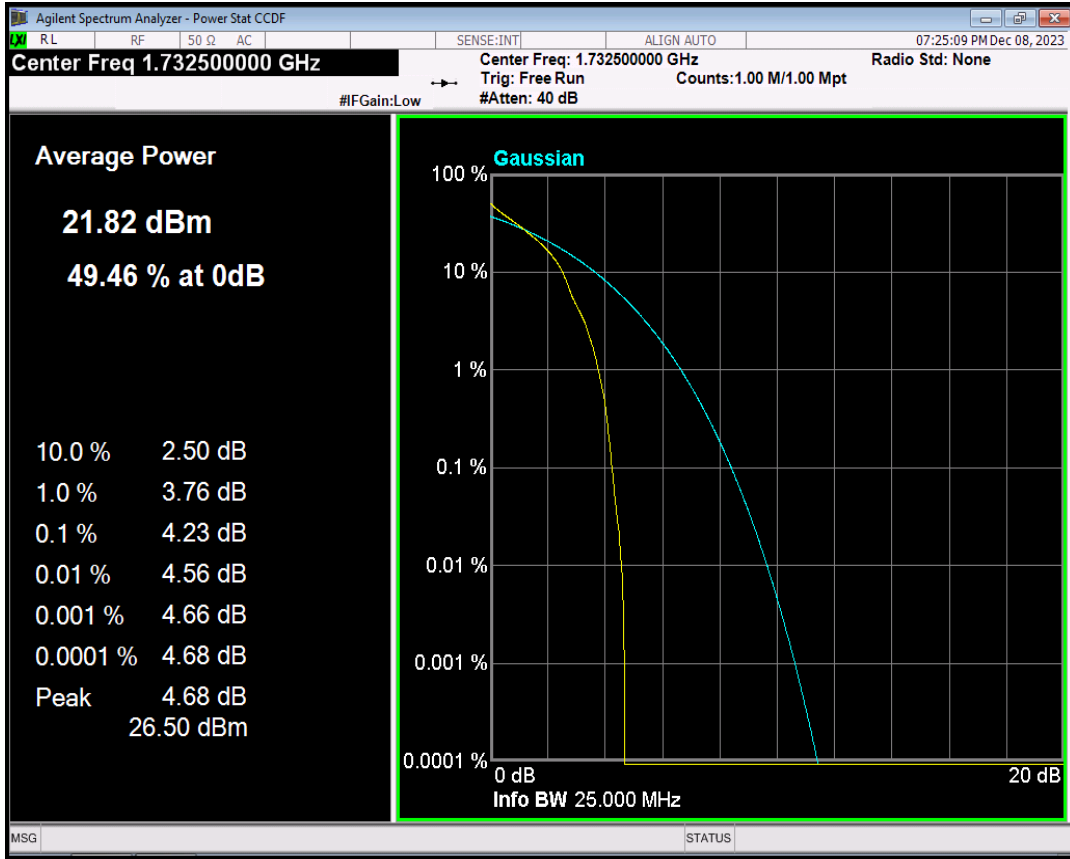


Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0

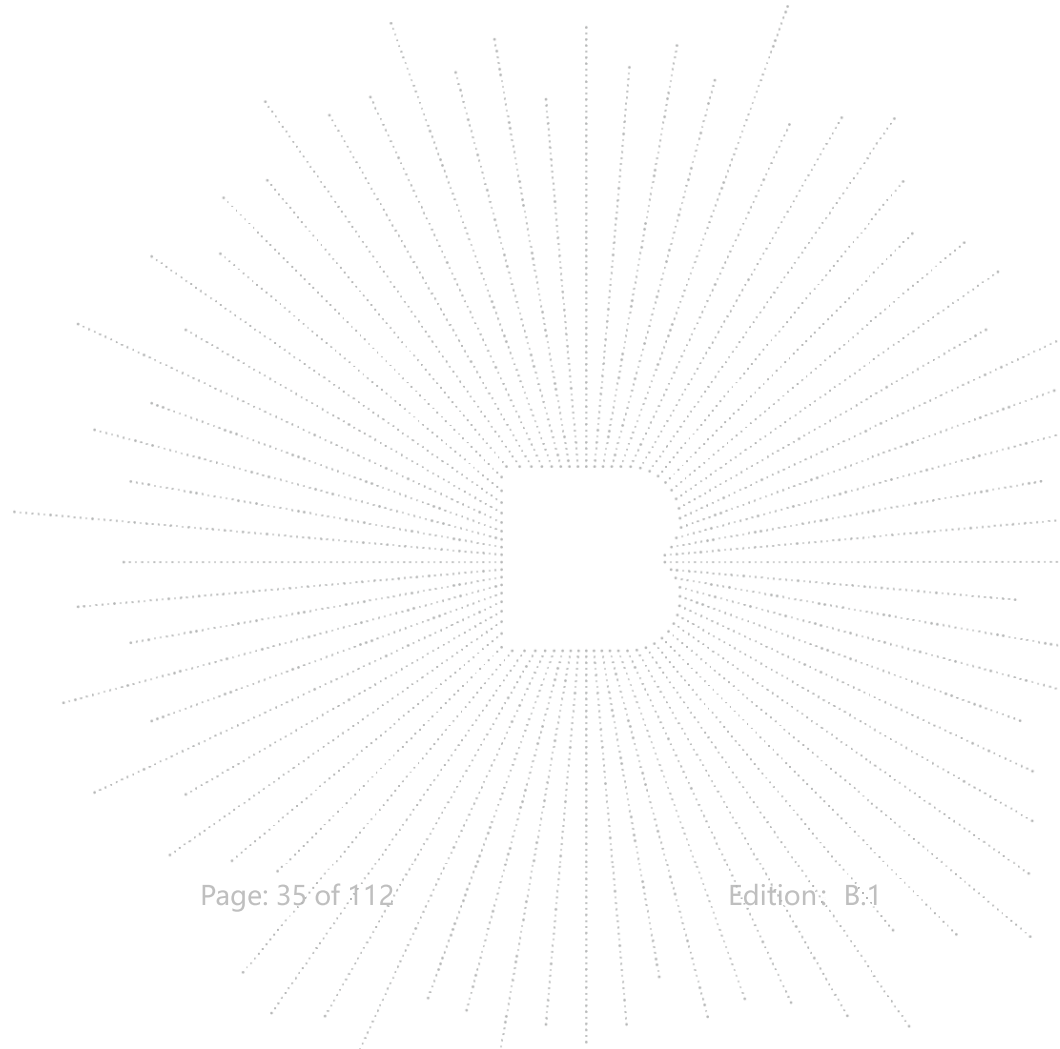


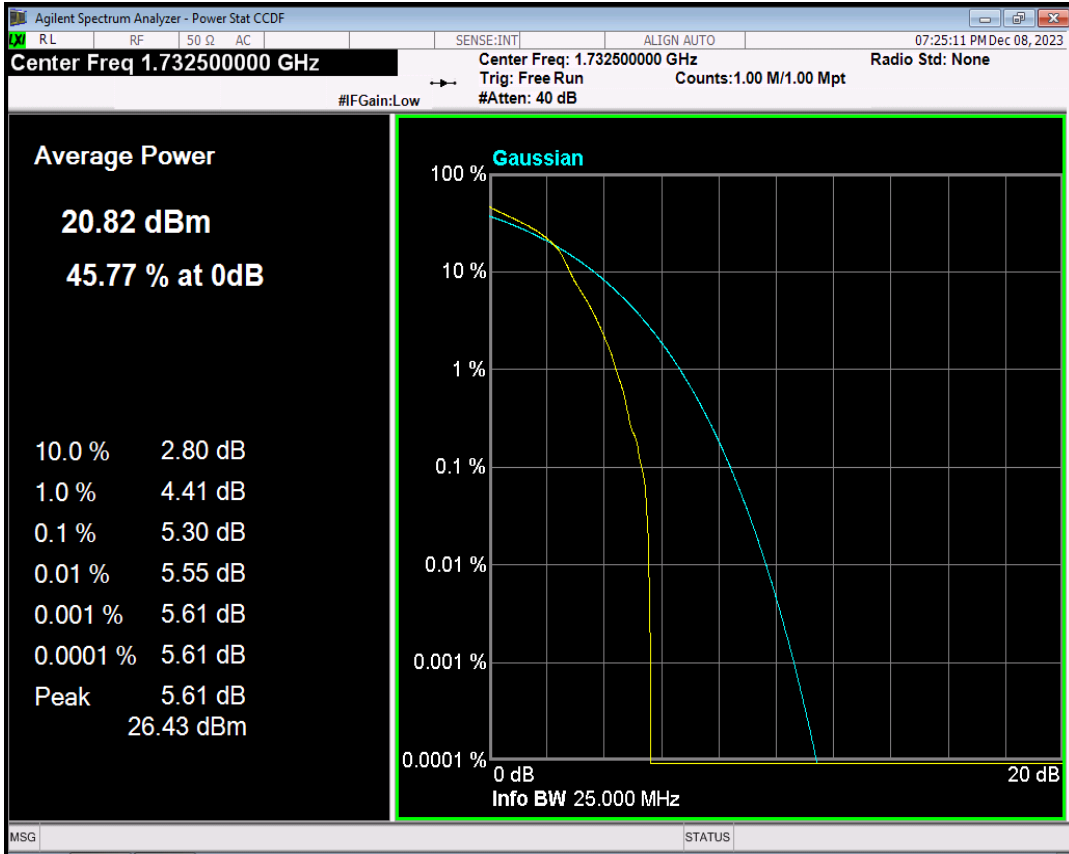


Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

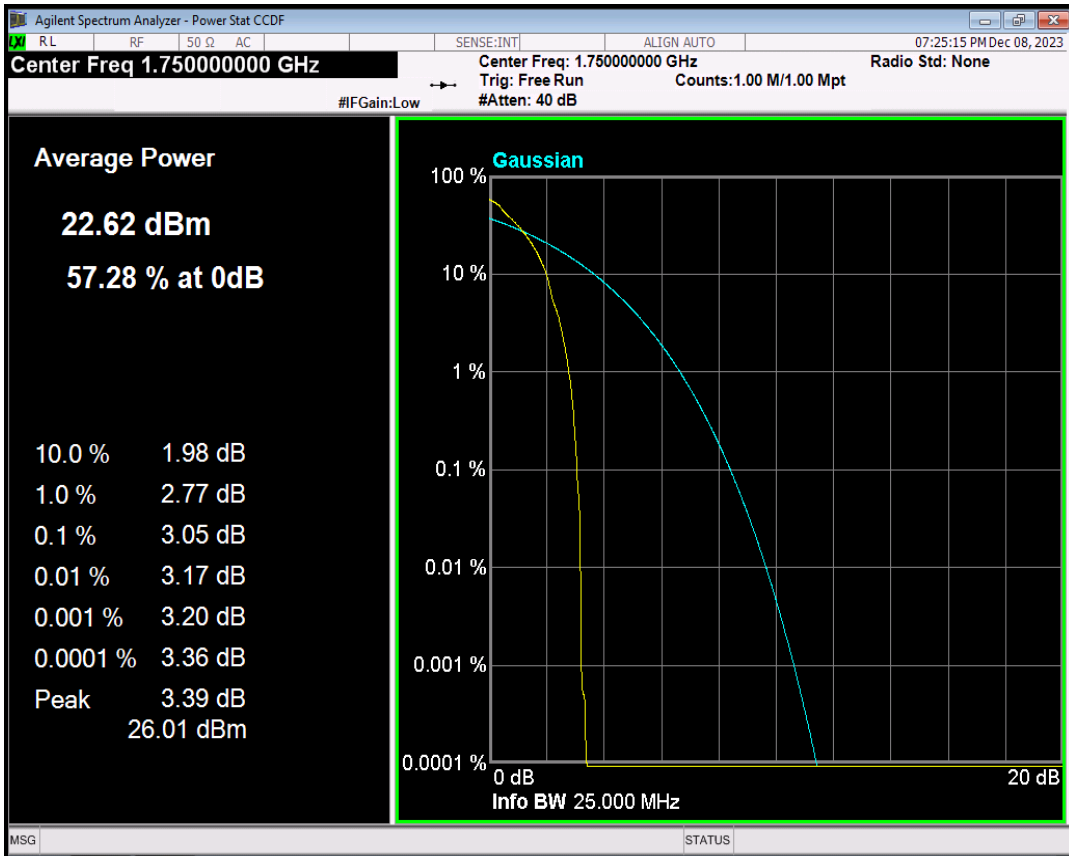


Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0

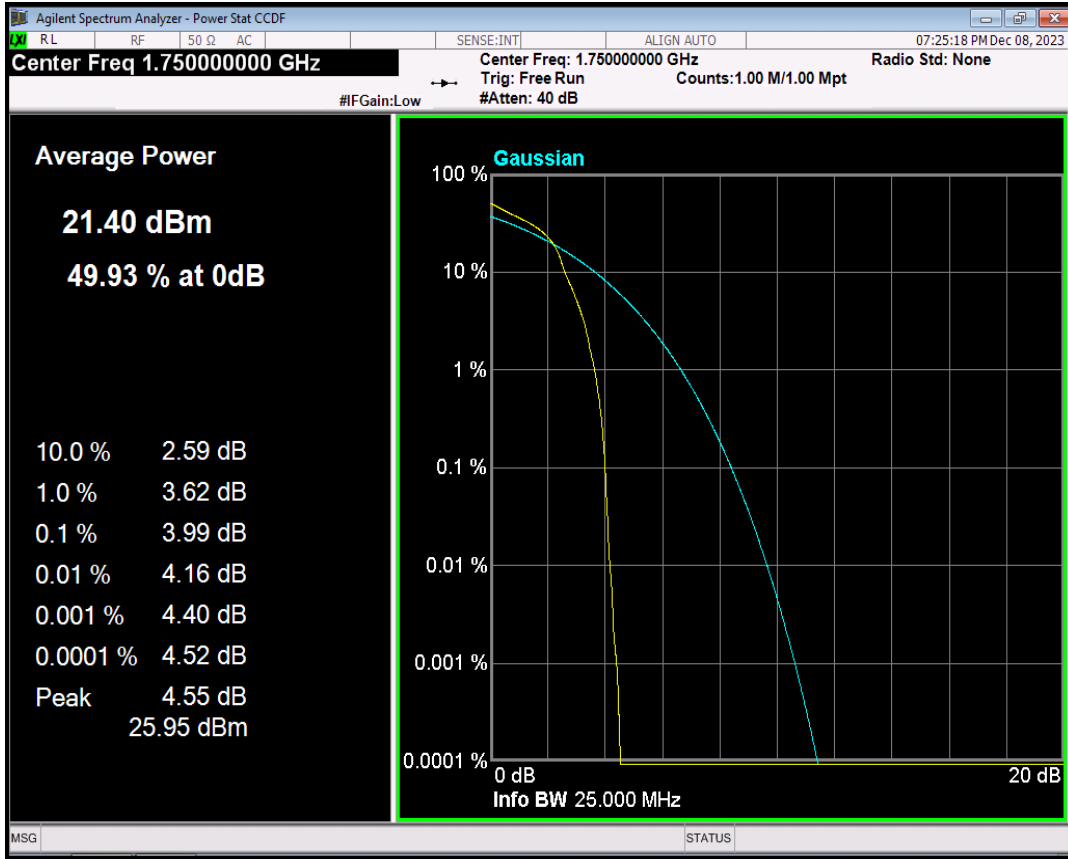




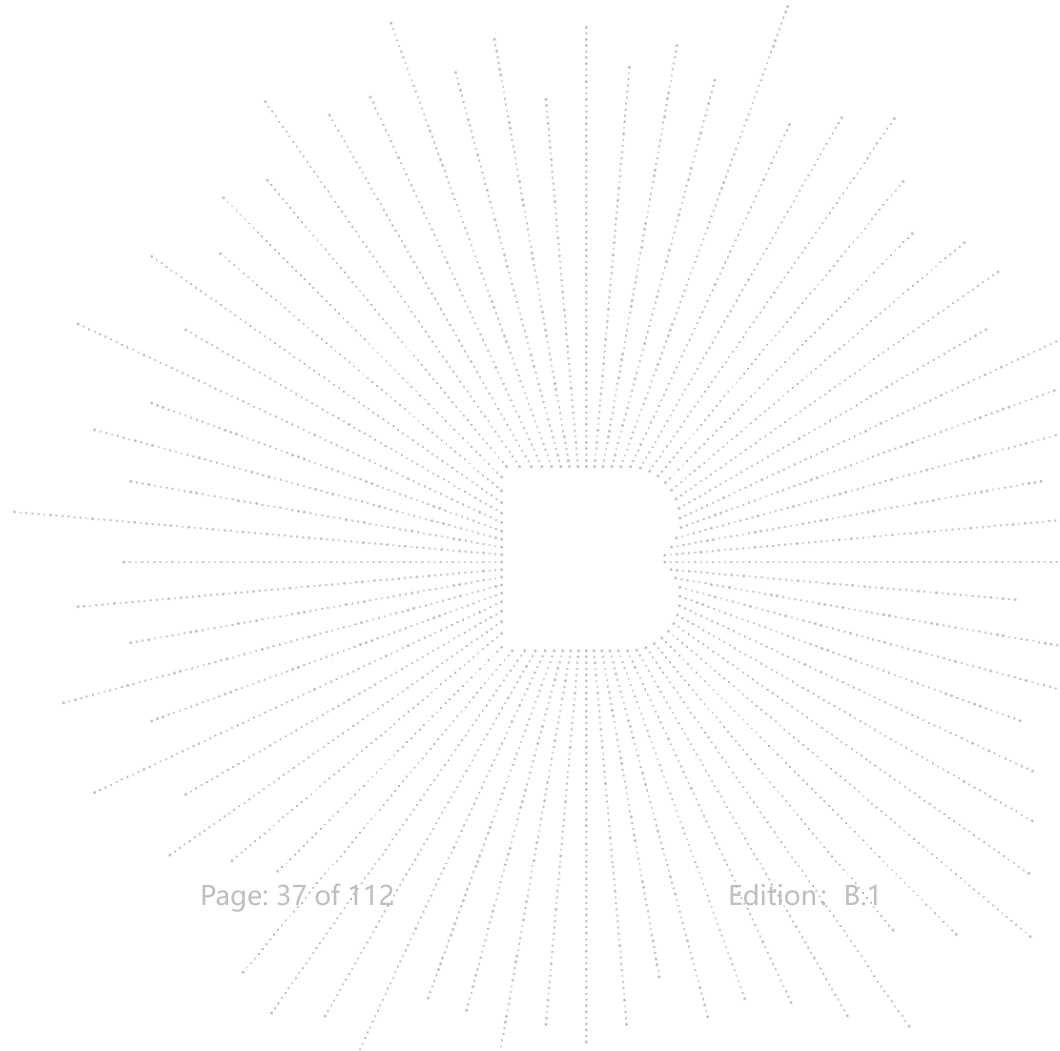
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

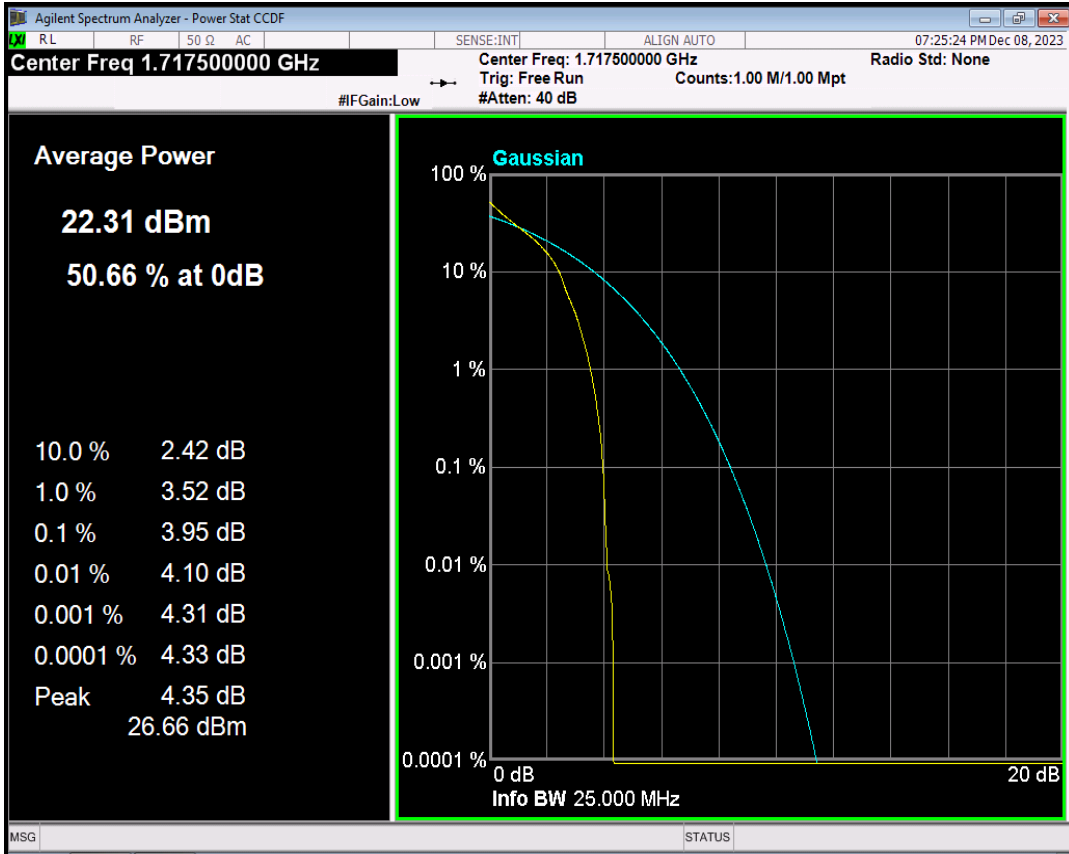


Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0

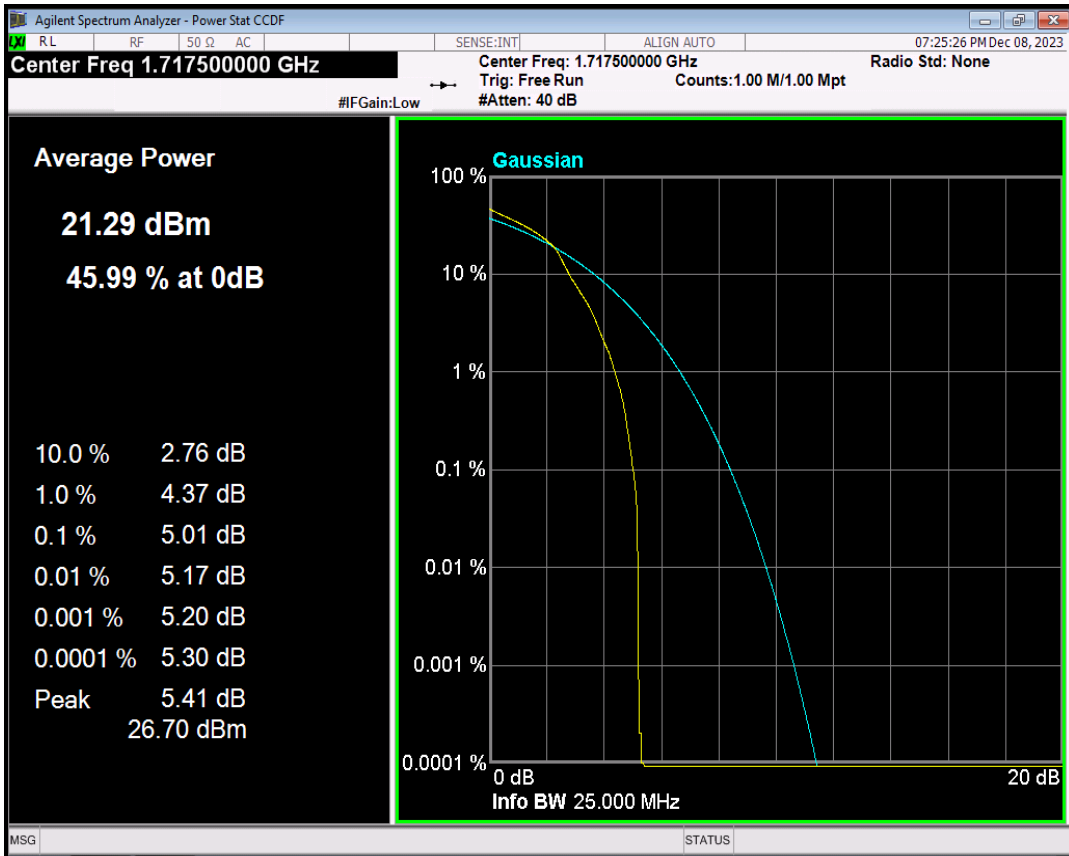


Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0

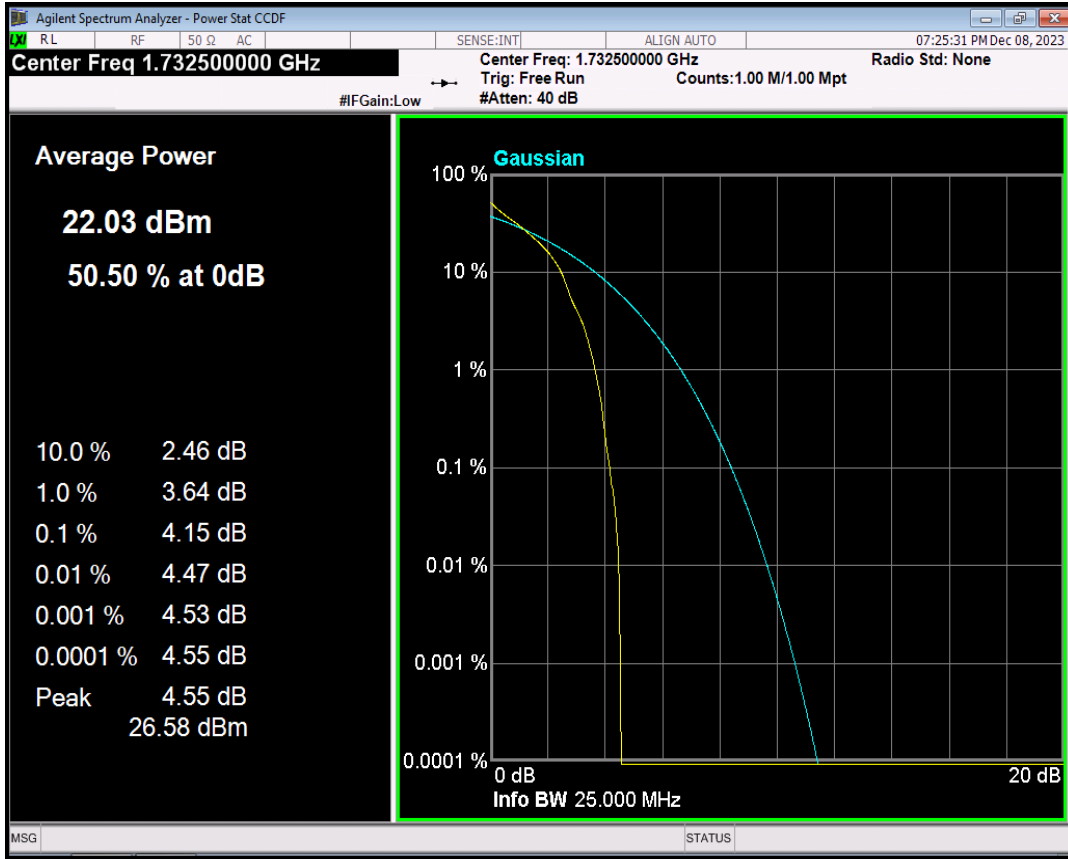




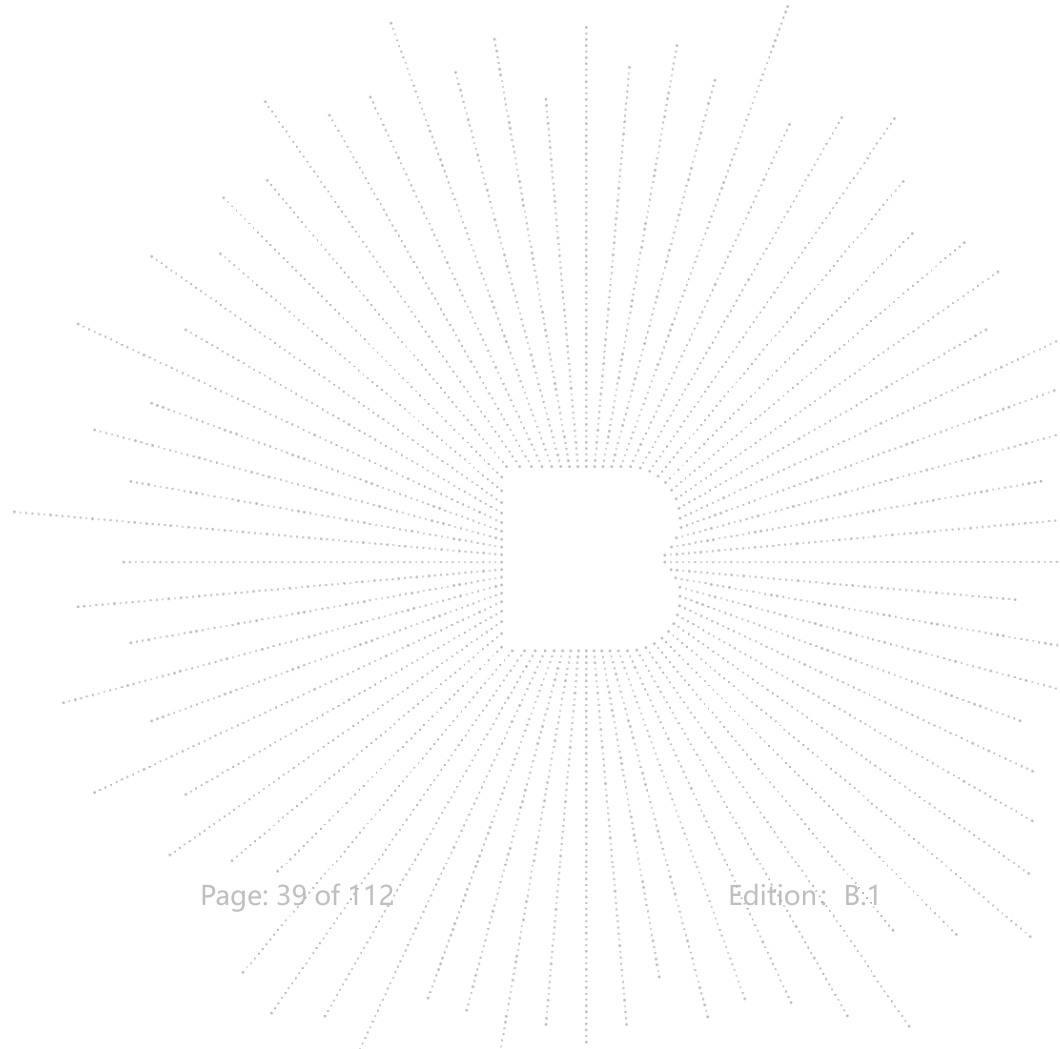
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

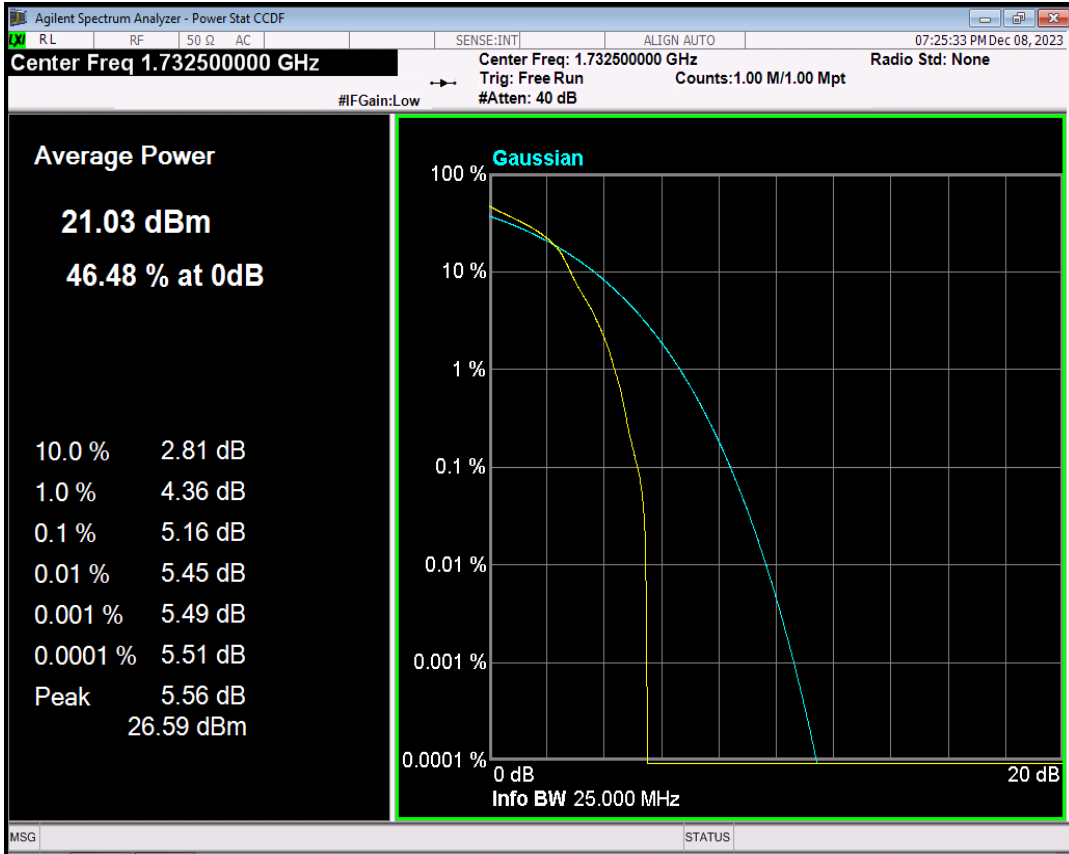


Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

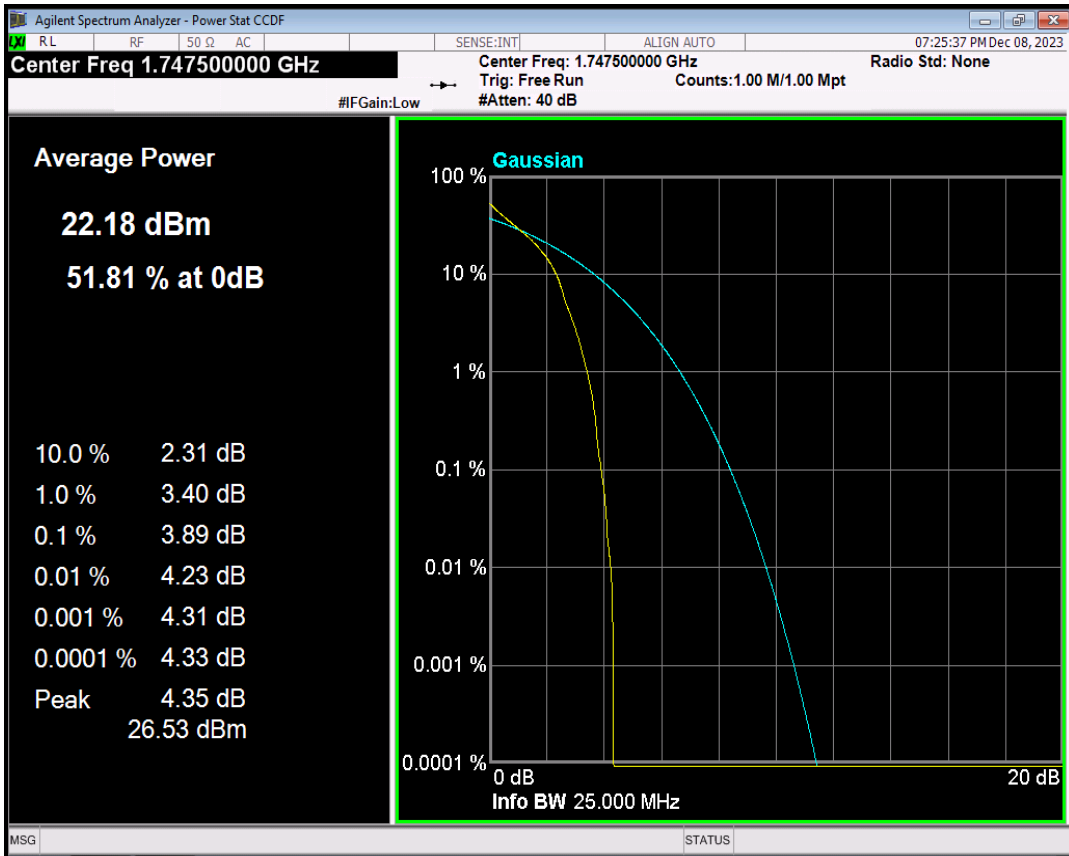


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0





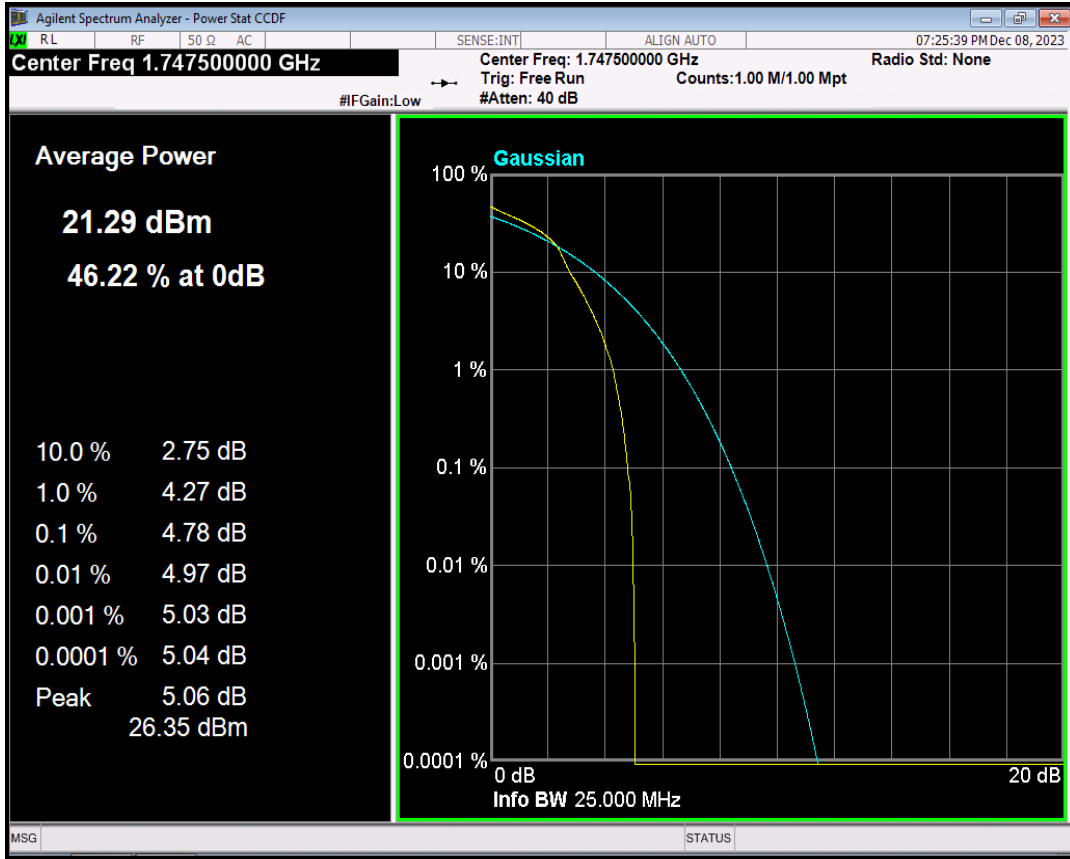
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



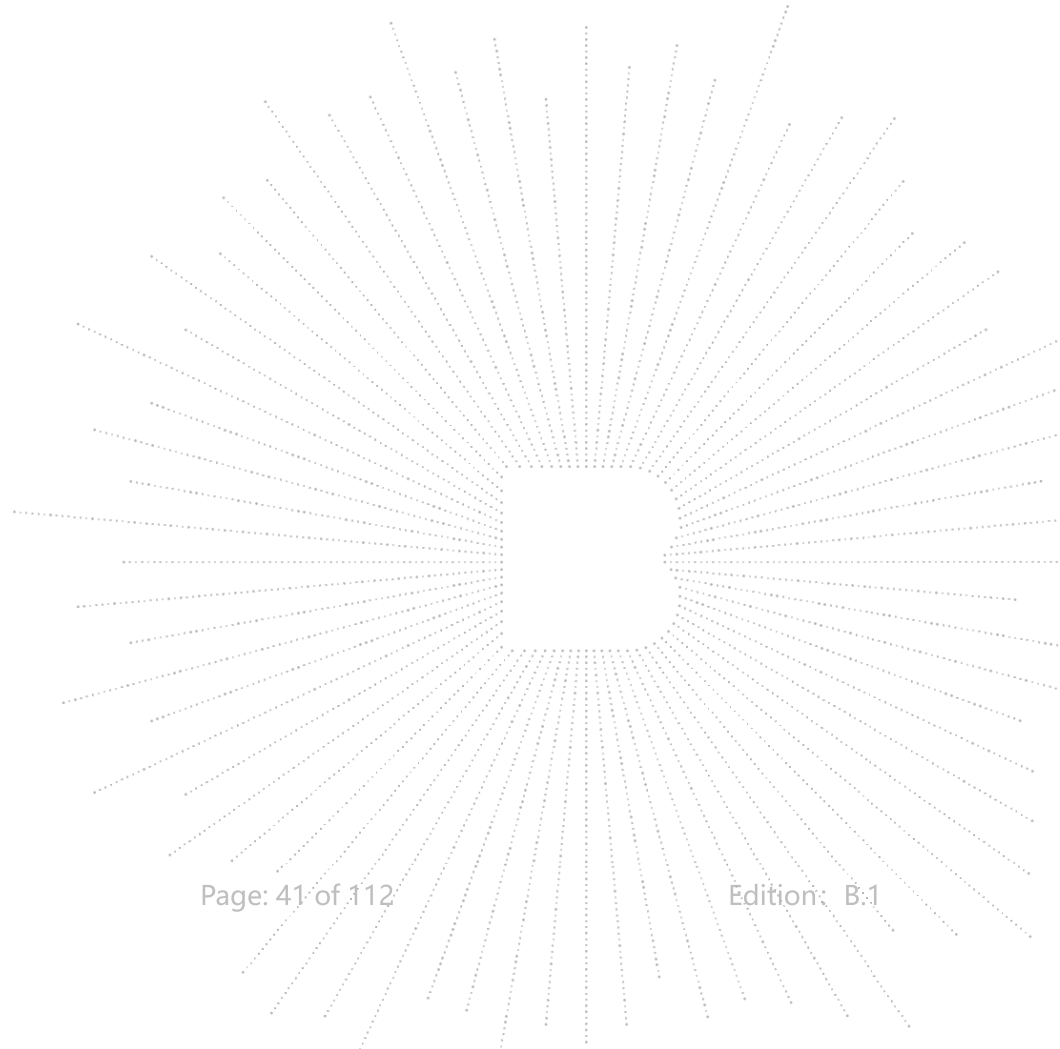


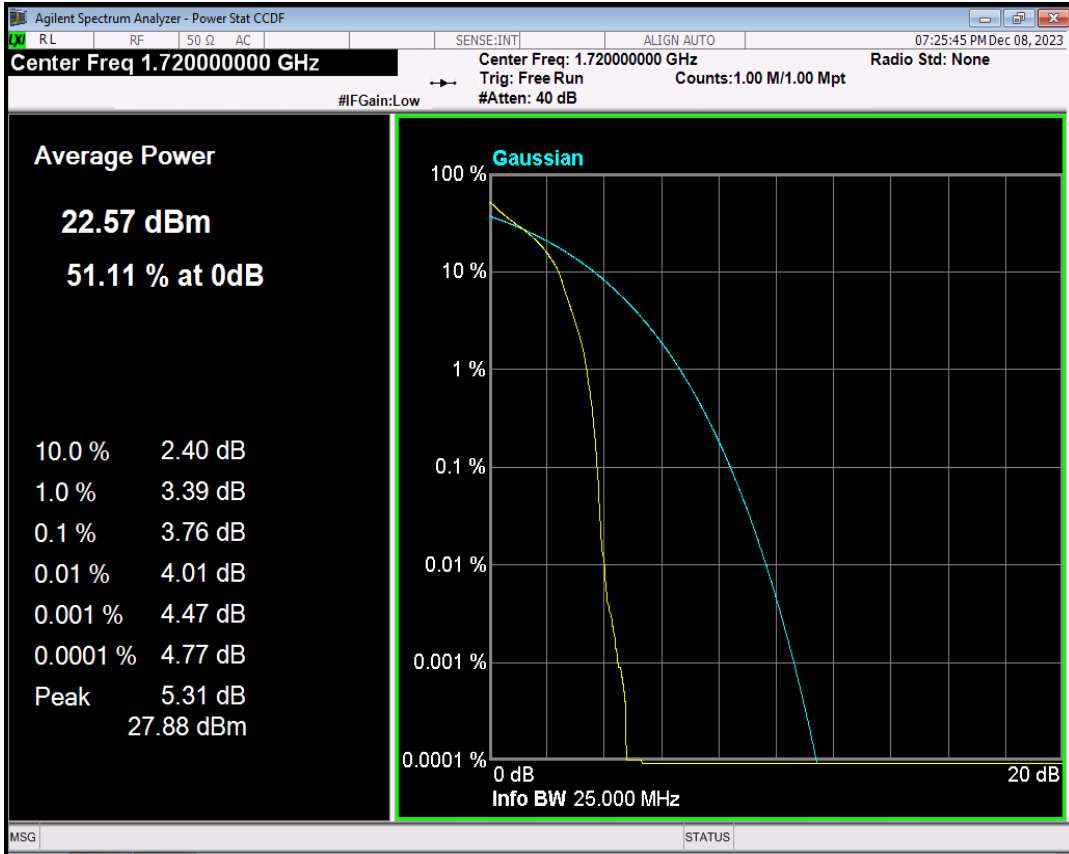


Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0

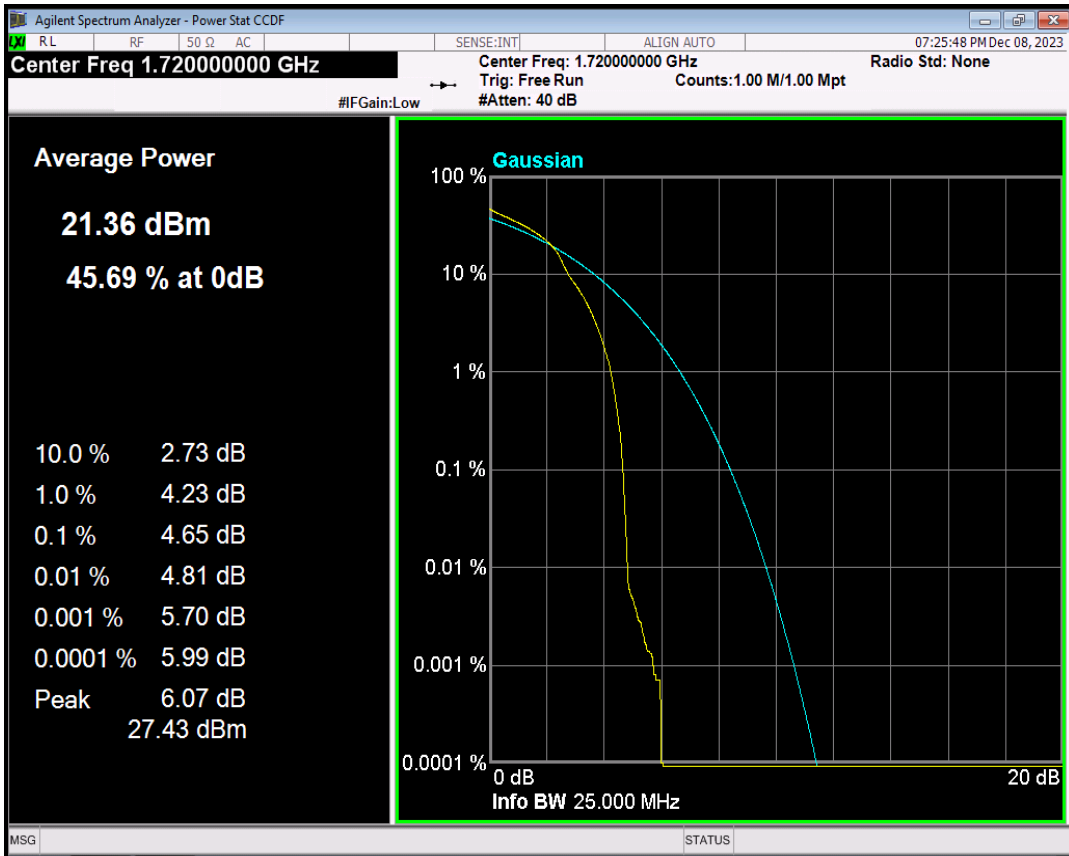


Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



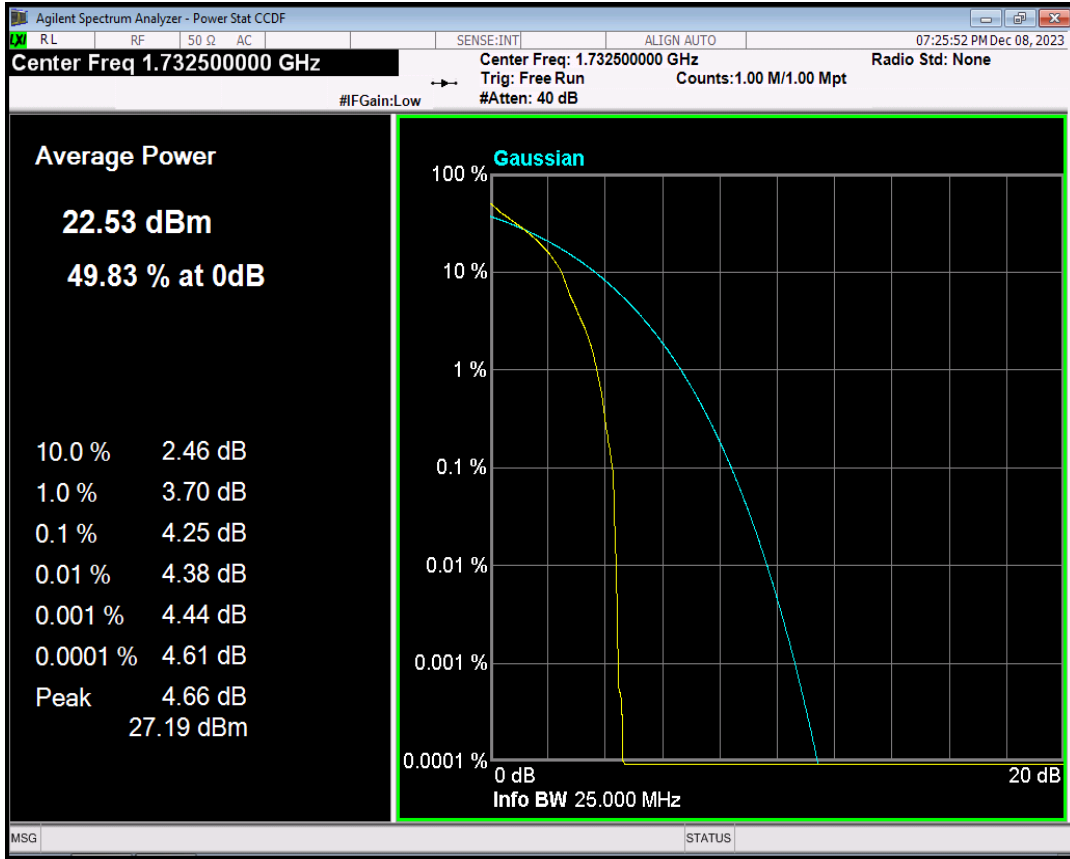


Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0

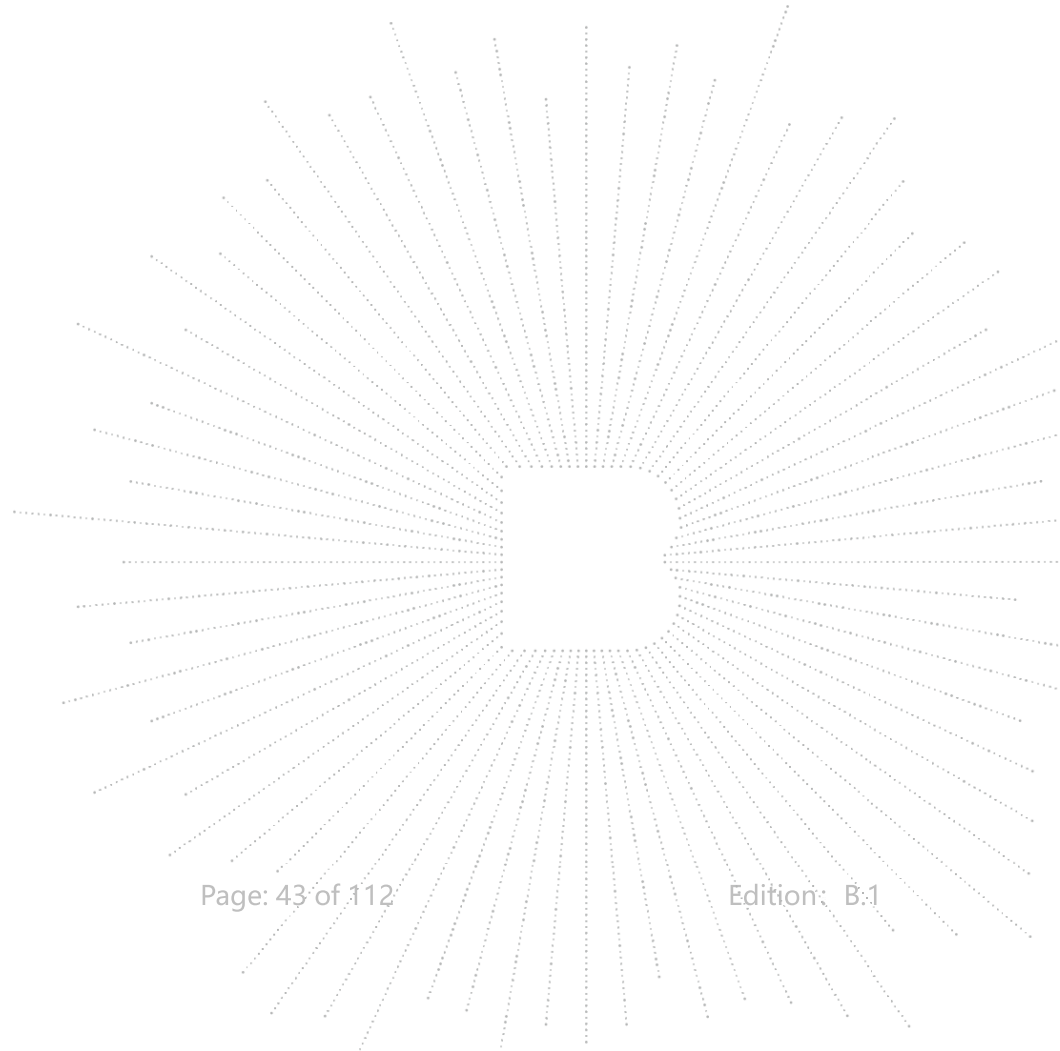


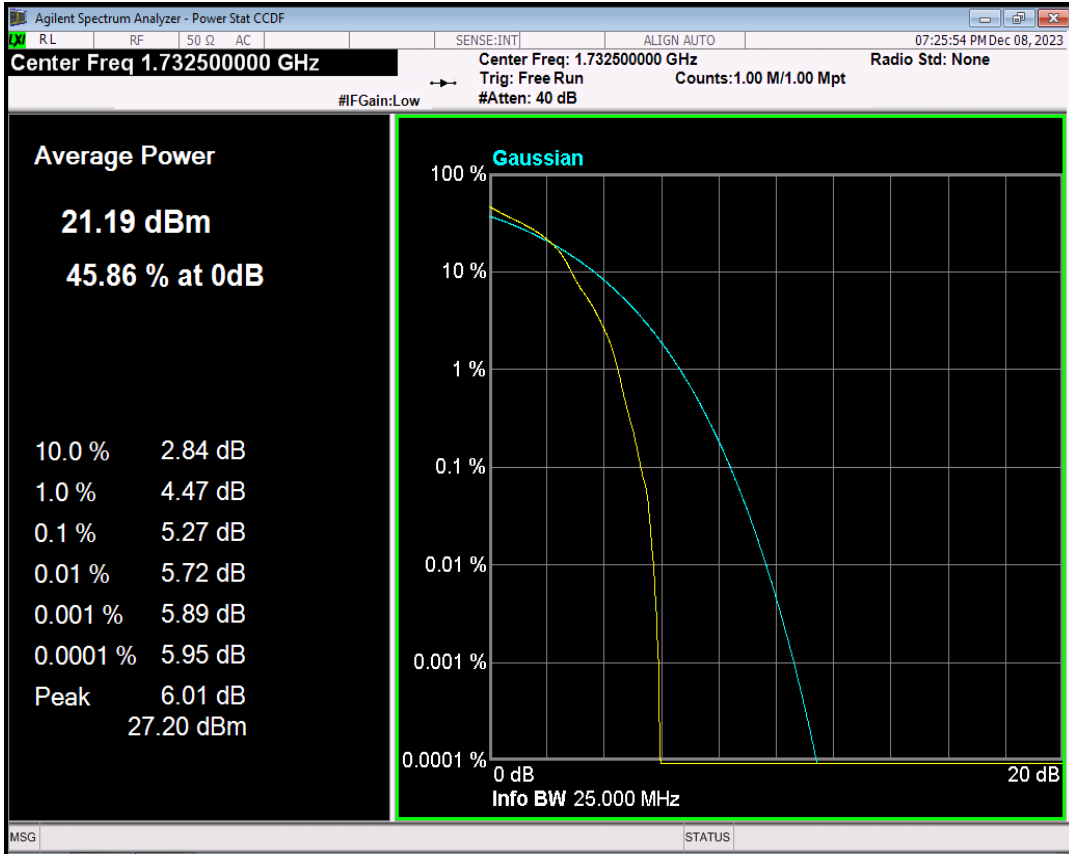


Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

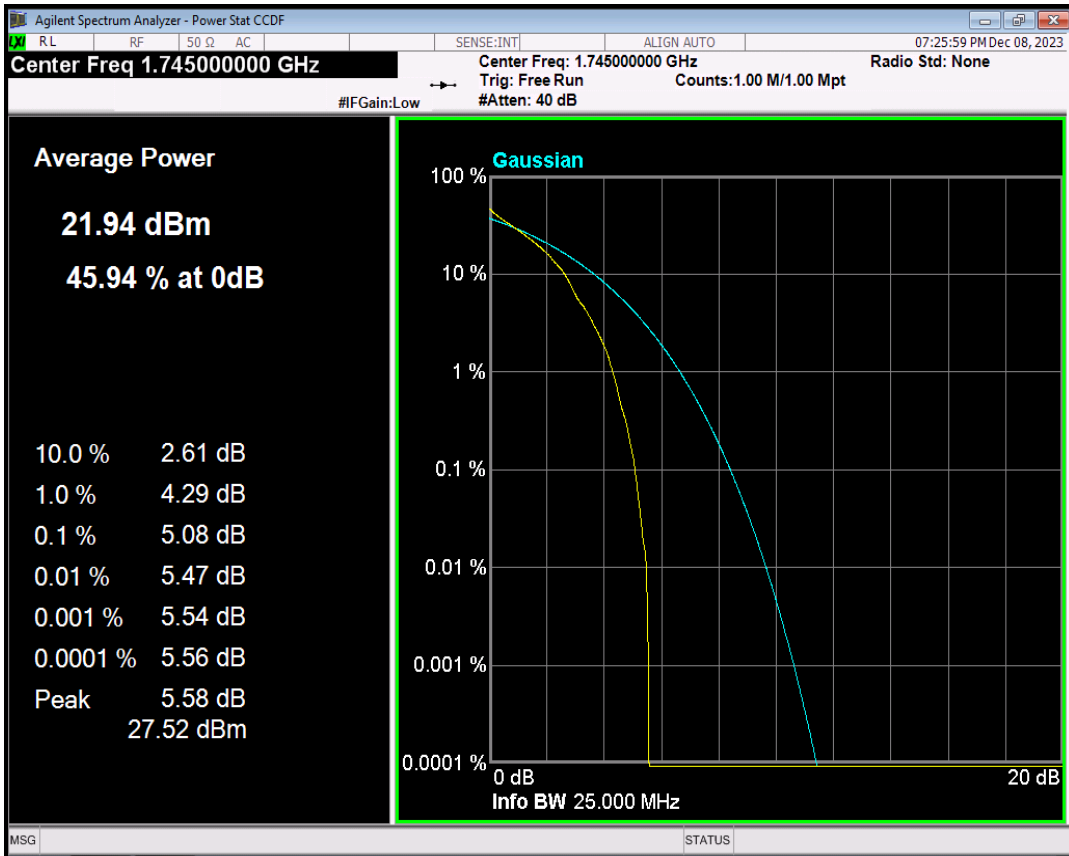


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



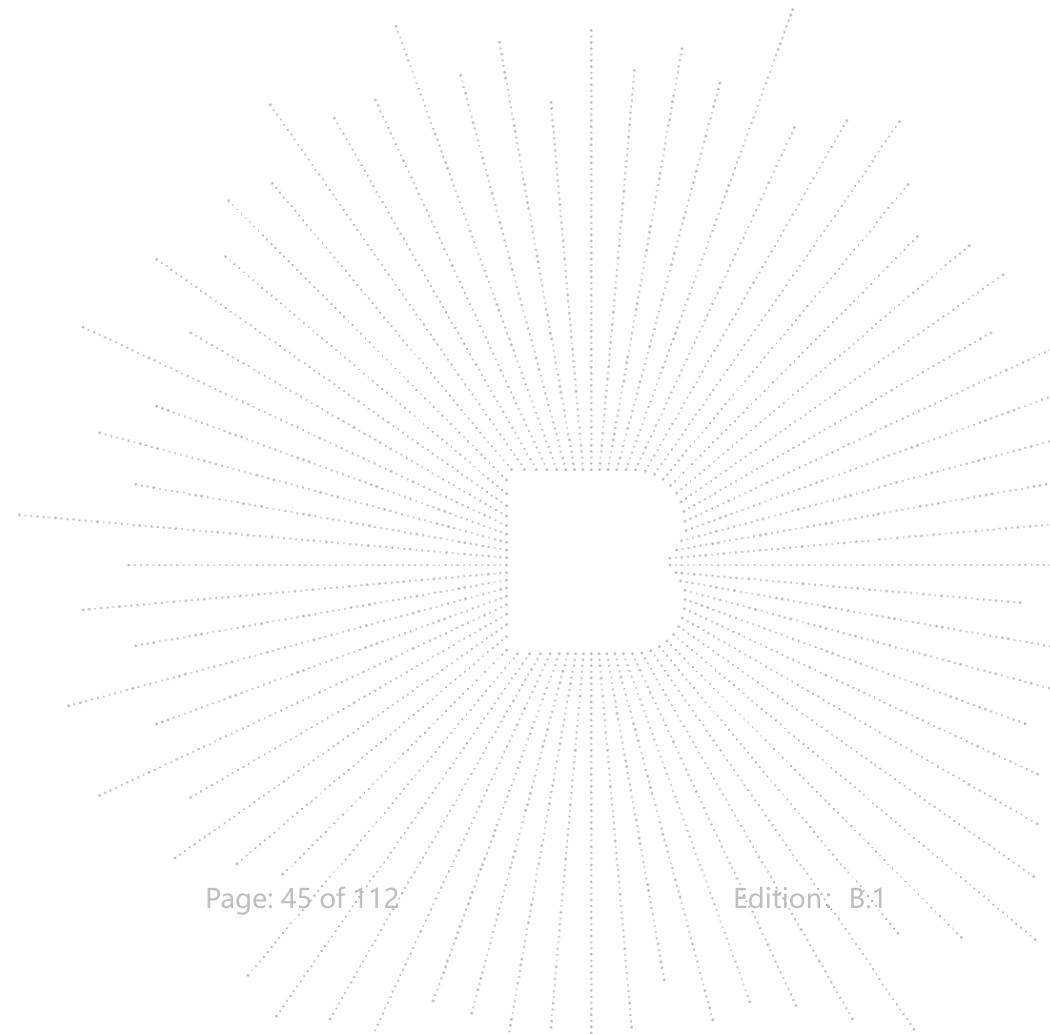
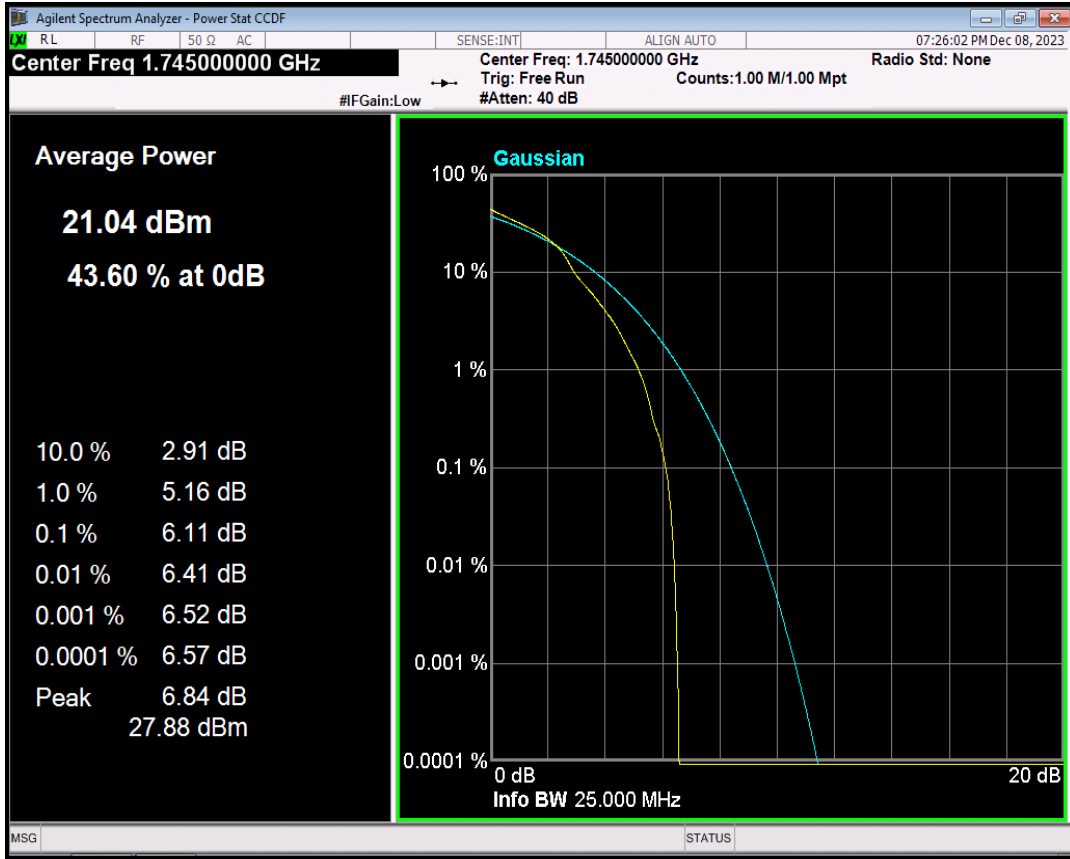


Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0





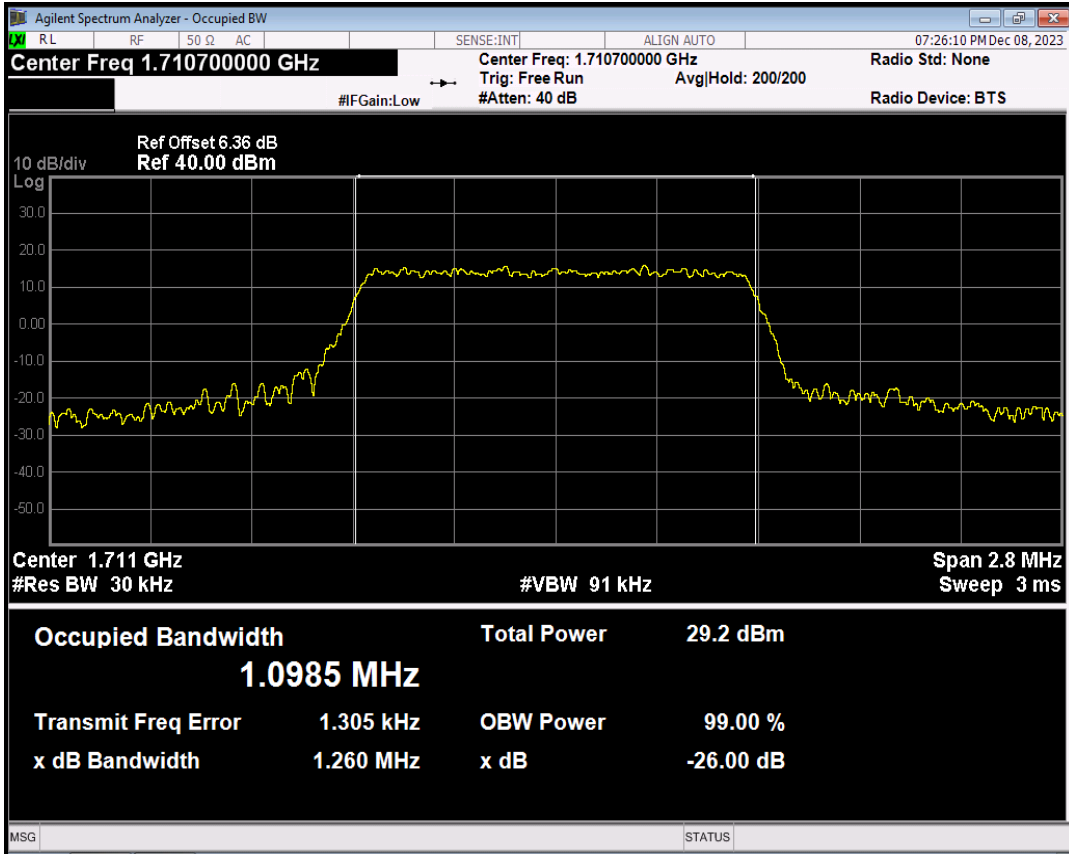
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



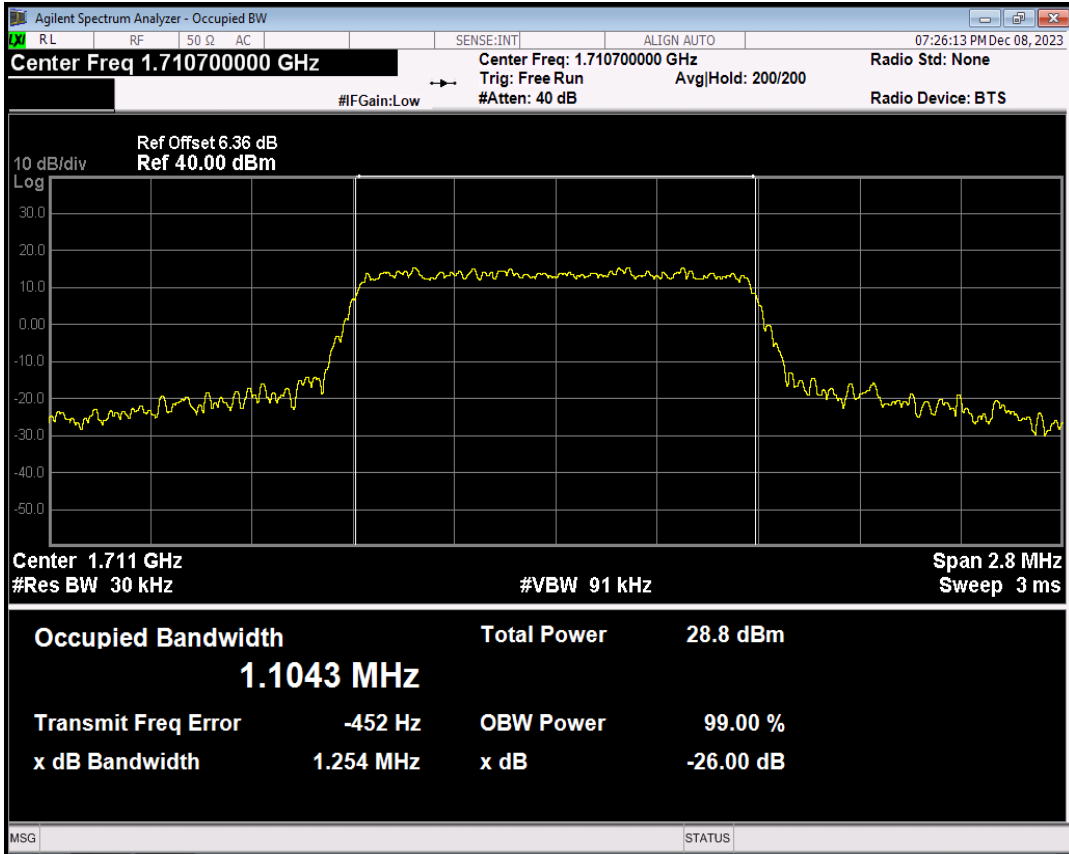
### Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.099	1.260	PASS
Band4	1.4	19957	6	#0	16QAM	1.104	1.254	PASS
Band4	1.4	20175	6	#0	QPSK	1.094	1.302	PASS
Band4	1.4	20175	6	#0	16QAM	1.091	1.248	PASS
Band4	1.4	20393	6	#0	QPSK	1.095	1.286	PASS
Band4	1.4	20393	6	#0	16QAM	1.100	1.252	PASS
Band4	3	19965	15	#0	QPSK	2.715	3.067	PASS
Band4	3	19965	15	#0	16QAM	2.712	3.038	PASS
Band4	3	20175	15	#0	QPSK	2.710	3.031	PASS
Band4	3	20175	15	#0	16QAM	2.699	3.067	PASS
Band4	3	20385	15	#0	QPSK	2.714	3.030	PASS
Band4	3	20385	15	#0	16QAM	2.723	3.088	PASS
Band4	5	19975	25	#0	QPSK	4.515	4.970	PASS
Band4	5	19975	25	#0	16QAM	4.523	4.963	PASS
Band4	5	20175	25	#0	QPSK	4.518	5.099	PASS
Band4	5	20175	25	#0	16QAM	4.545	5.234	PASS
Band4	5	20375	25	#0	QPSK	4.520	5.048	PASS
Band4	5	20375	25	#0	16QAM	4.517	5.300	PASS
Band4	10	20000	50	#0	QPSK	9.014	9.980	PASS
Band4	10	20000	50	#0	16QAM	9.002	10.052	PASS
Band4	10	20175	50	#0	QPSK	8.967	9.816	PASS
Band4	10	20175	50	#0	16QAM	8.972	9.844	PASS
Band4	10	20350	50	#0	QPSK	9.016	10.390	PASS
Band4	10	20350	50	#0	16QAM	9.032	10.054	PASS
Band4	15	20025	75	#0	QPSK	13.452	15.081	PASS
Band4	15	20025	75	#0	16QAM	13.468	14.716	PASS
Band4	15	20175	75	#0	QPSK	13.423	14.965	PASS
Band4	15	20175	75	#0	16QAM	13.462	15.199	PASS
Band4	15	20325	75	#0	QPSK	13.495	15.027	PASS
Band4	15	20325	75	#0	16QAM	13.491	14.825	PASS
Band4	20	20050	100	#0	QPSK	18.019	20.007	PASS
Band4	20	20050	100	#0	16QAM	18.004	19.942	PASS
Band4	20	20175	100	#0	QPSK	17.987	19.887	PASS
Band4	20	20175	100	#0	16QAM	18.055	19.749	PASS
Band4	20	20300	100	#0	QPSK	18.048	19.834	PASS
Band4	20	20300	100	#0	16QAM	18.034	20.525	PASS

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

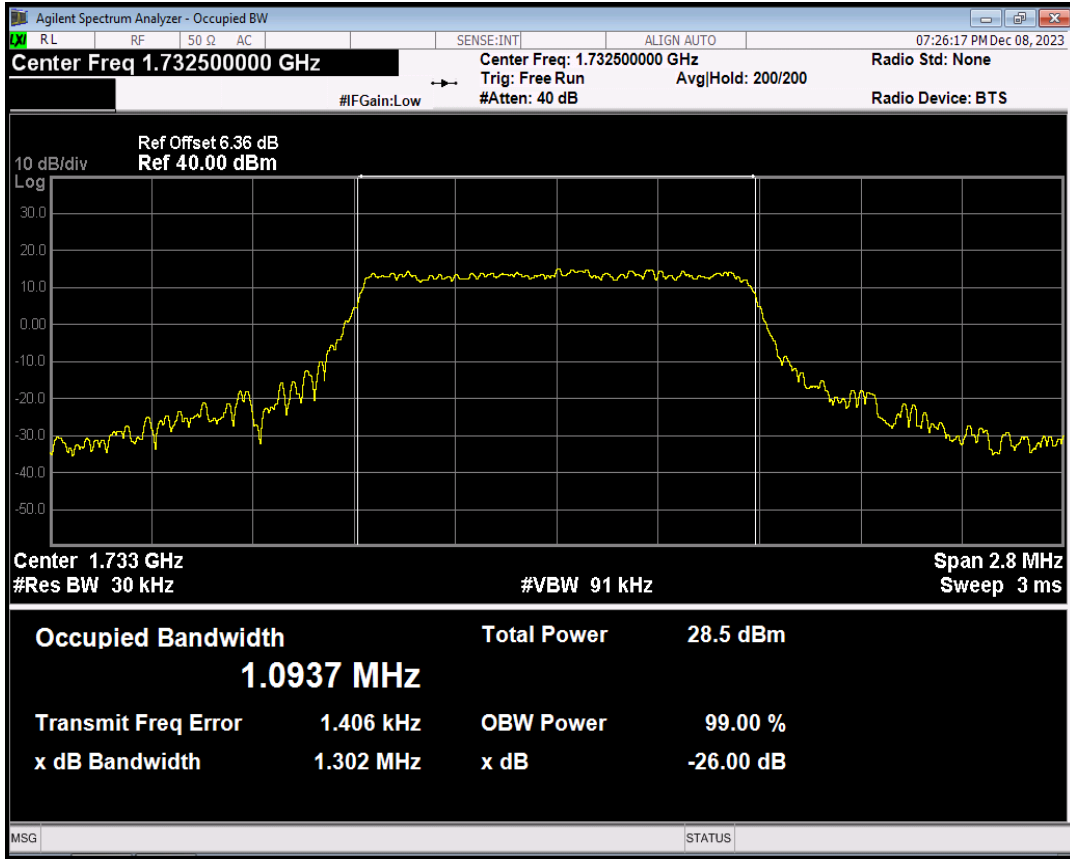


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

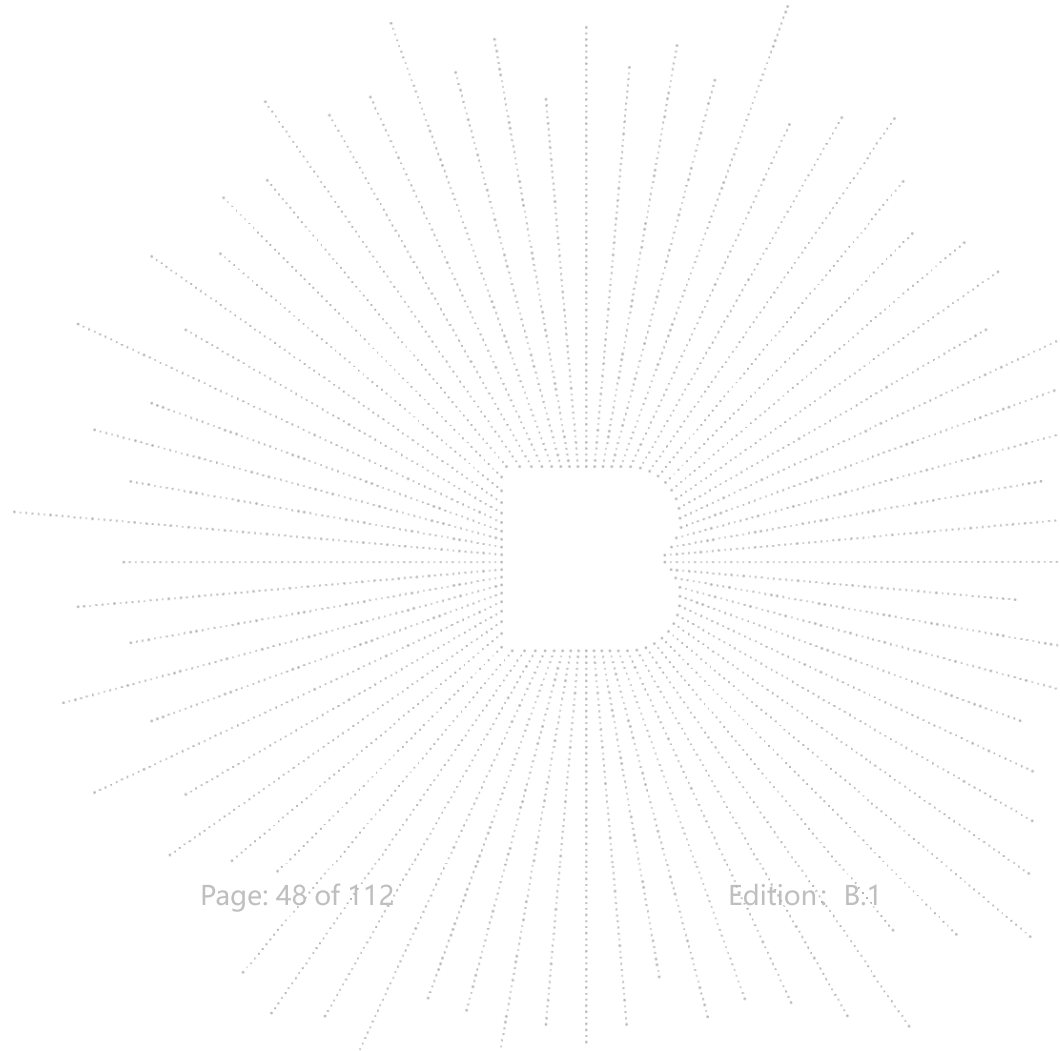




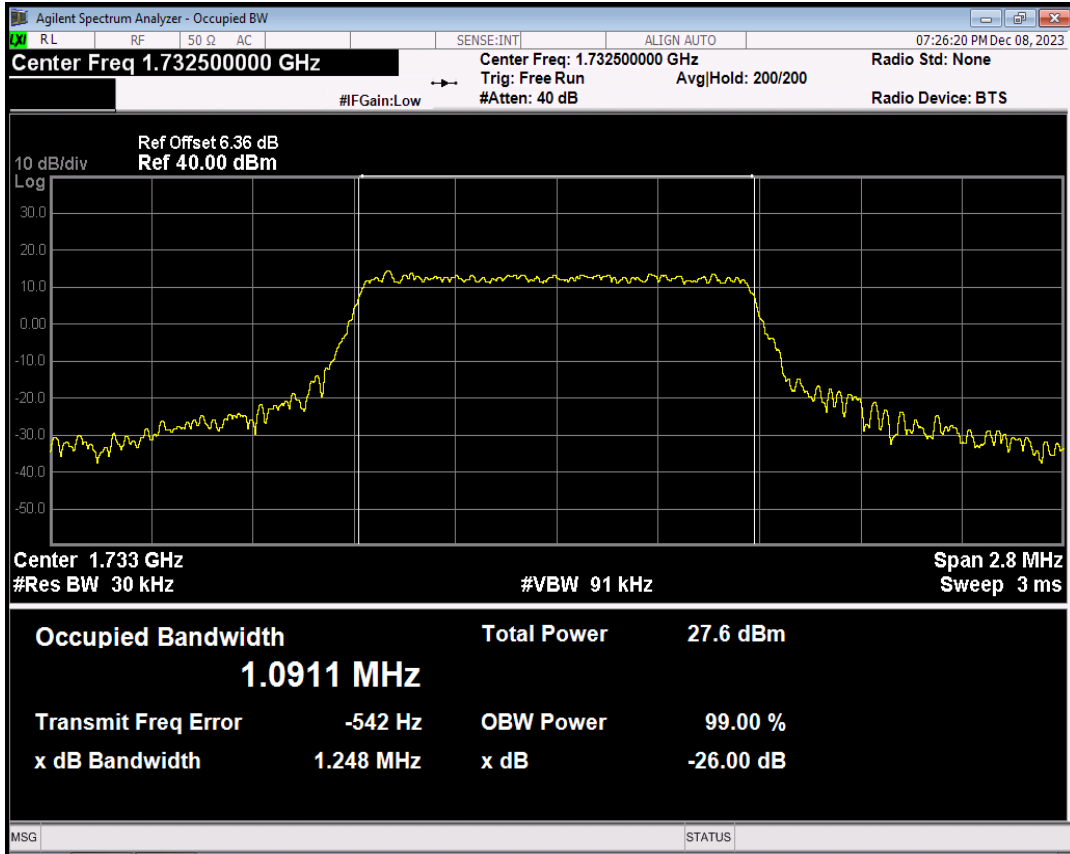
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



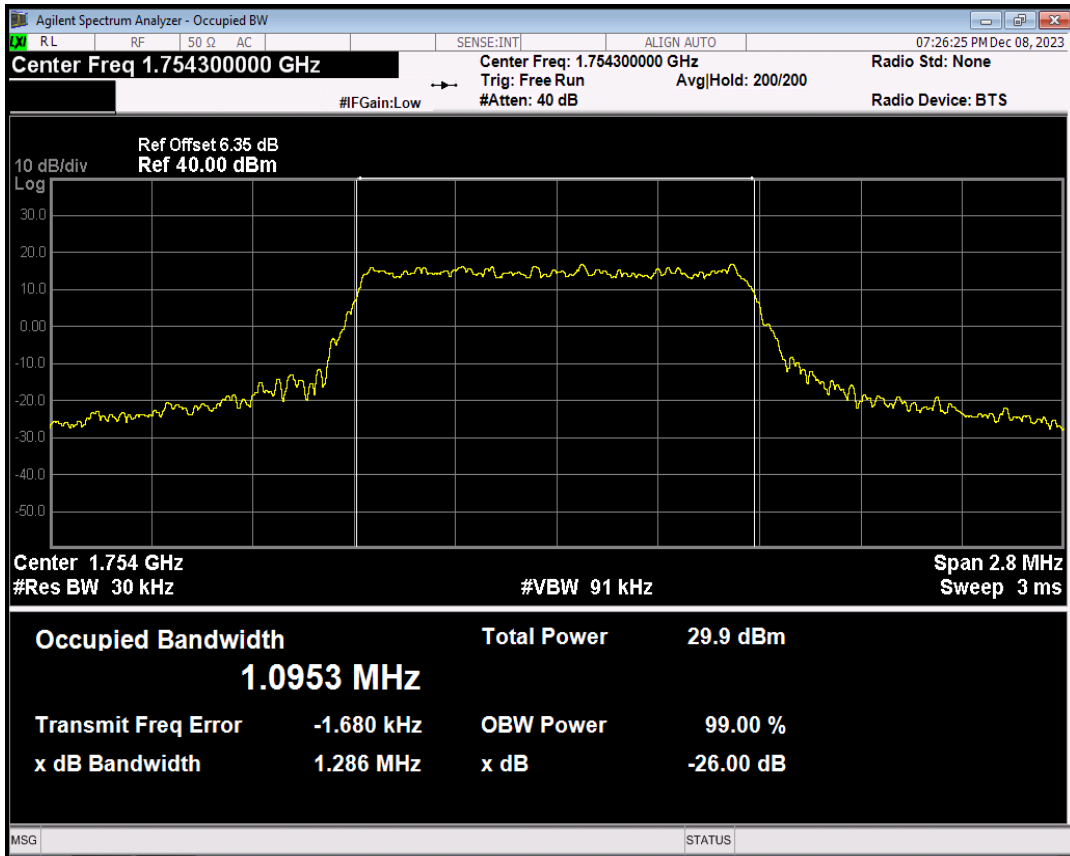
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



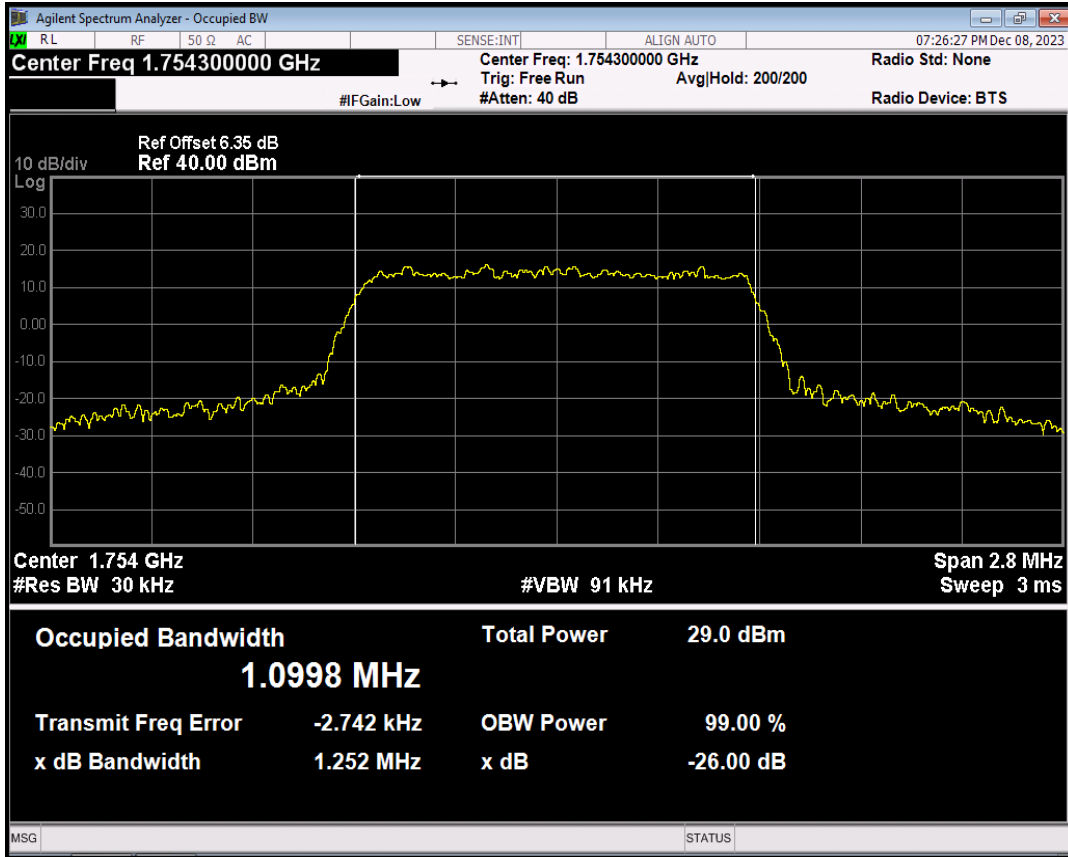




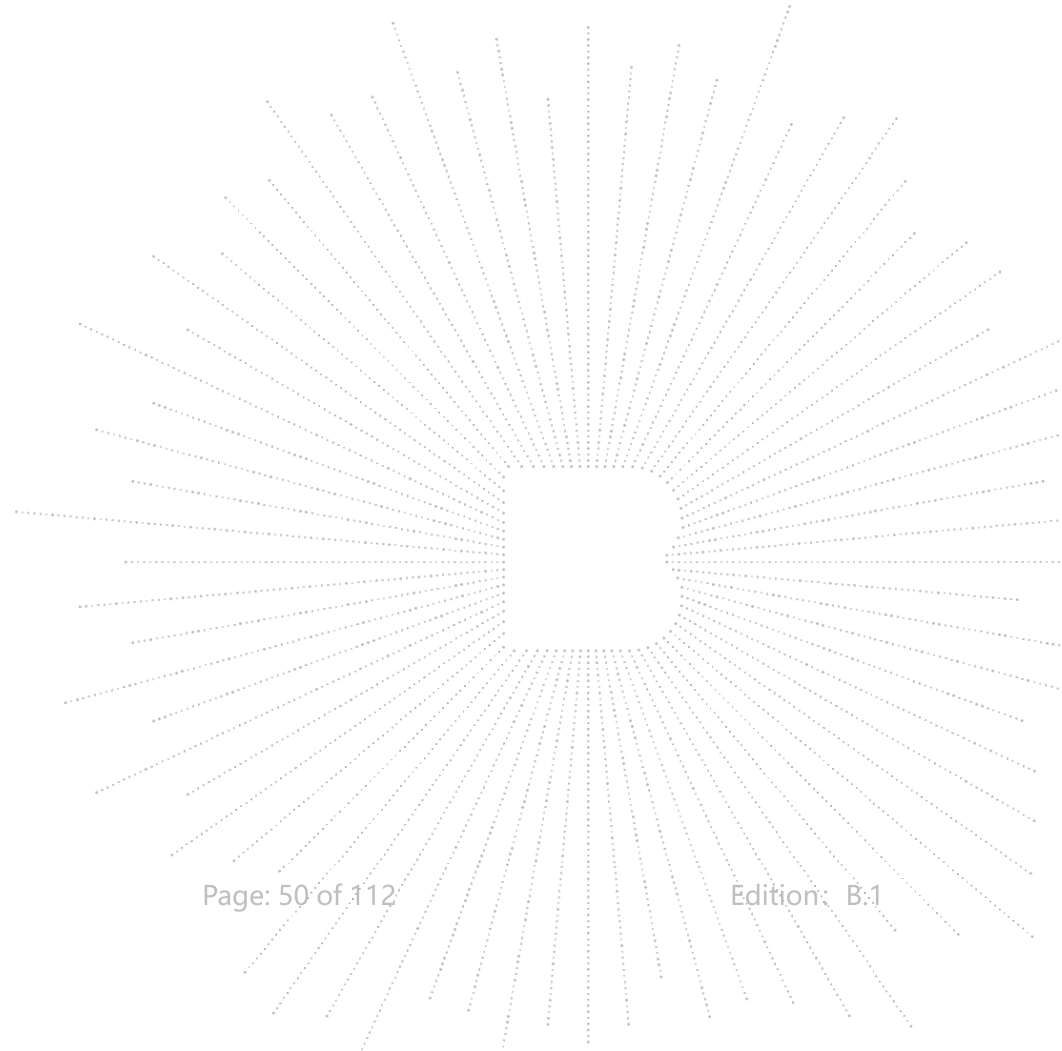
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

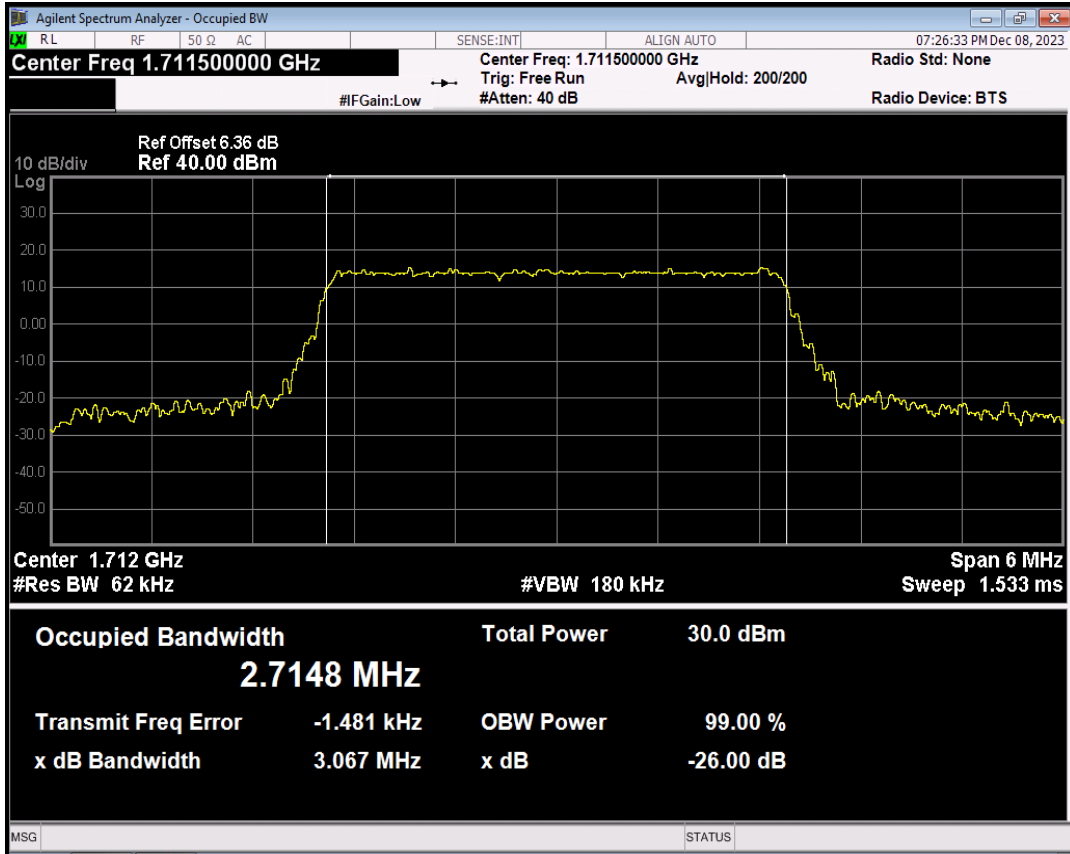


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

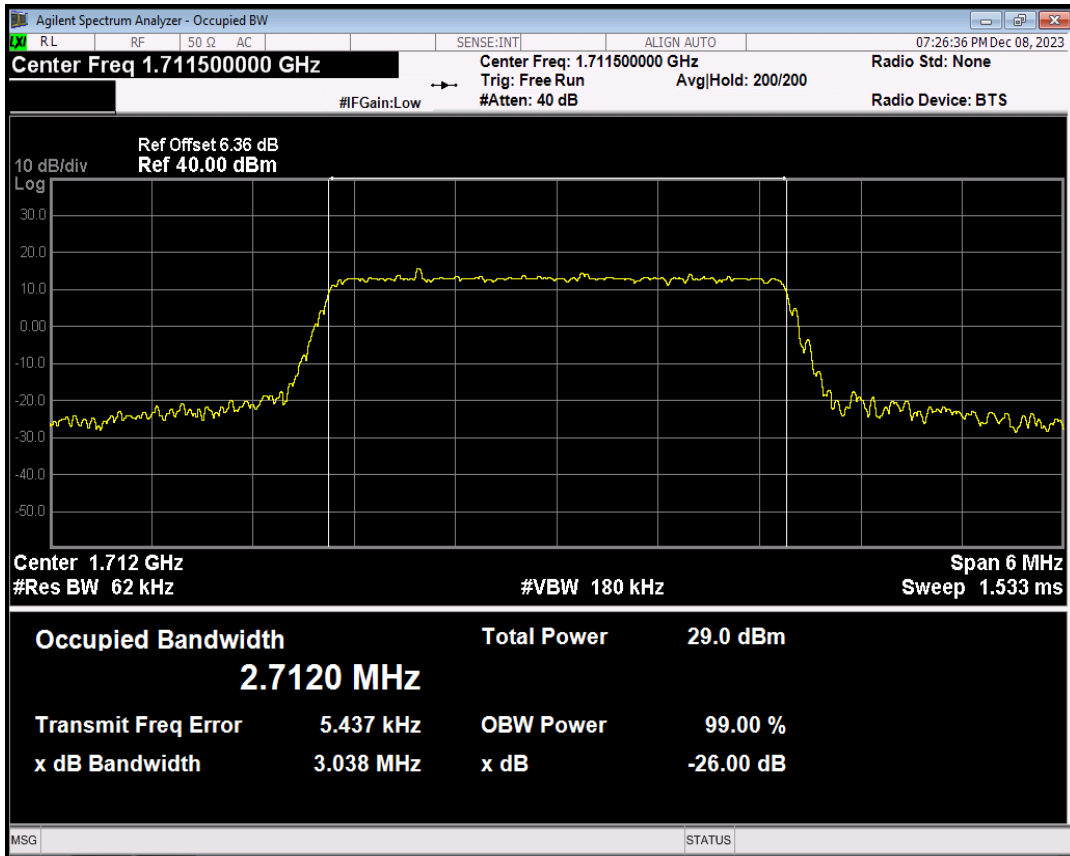


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



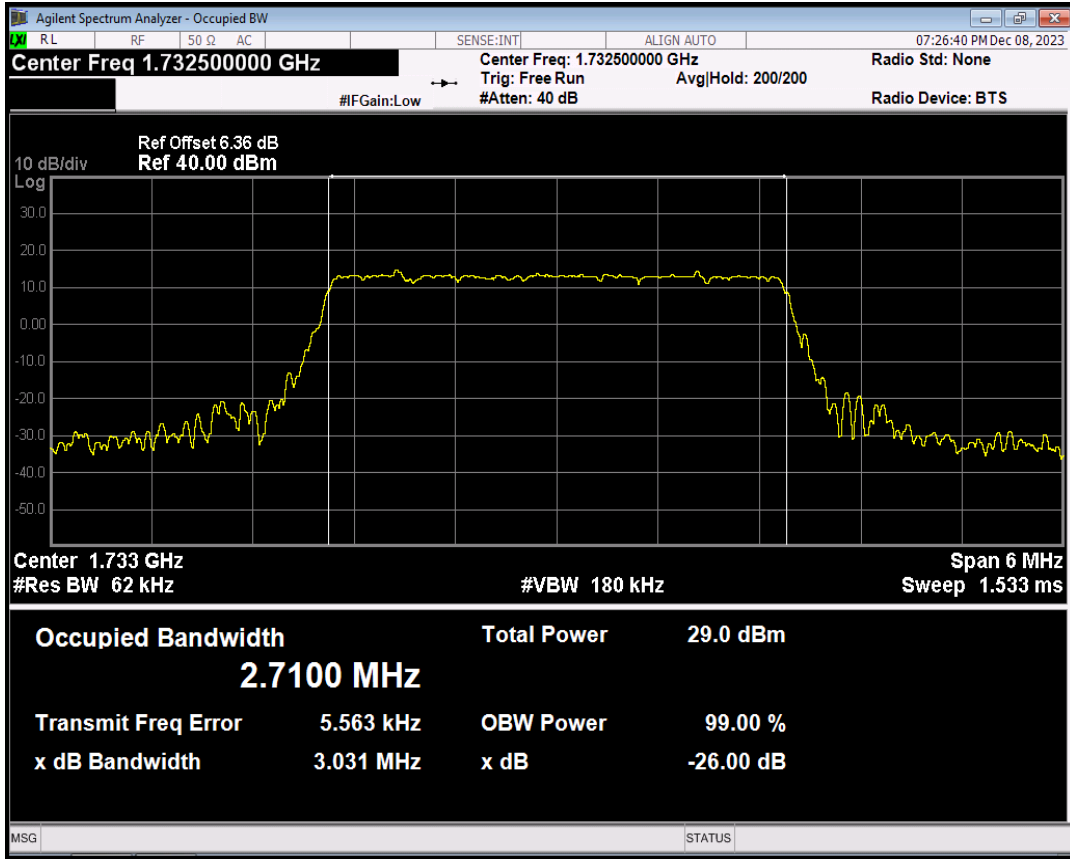


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

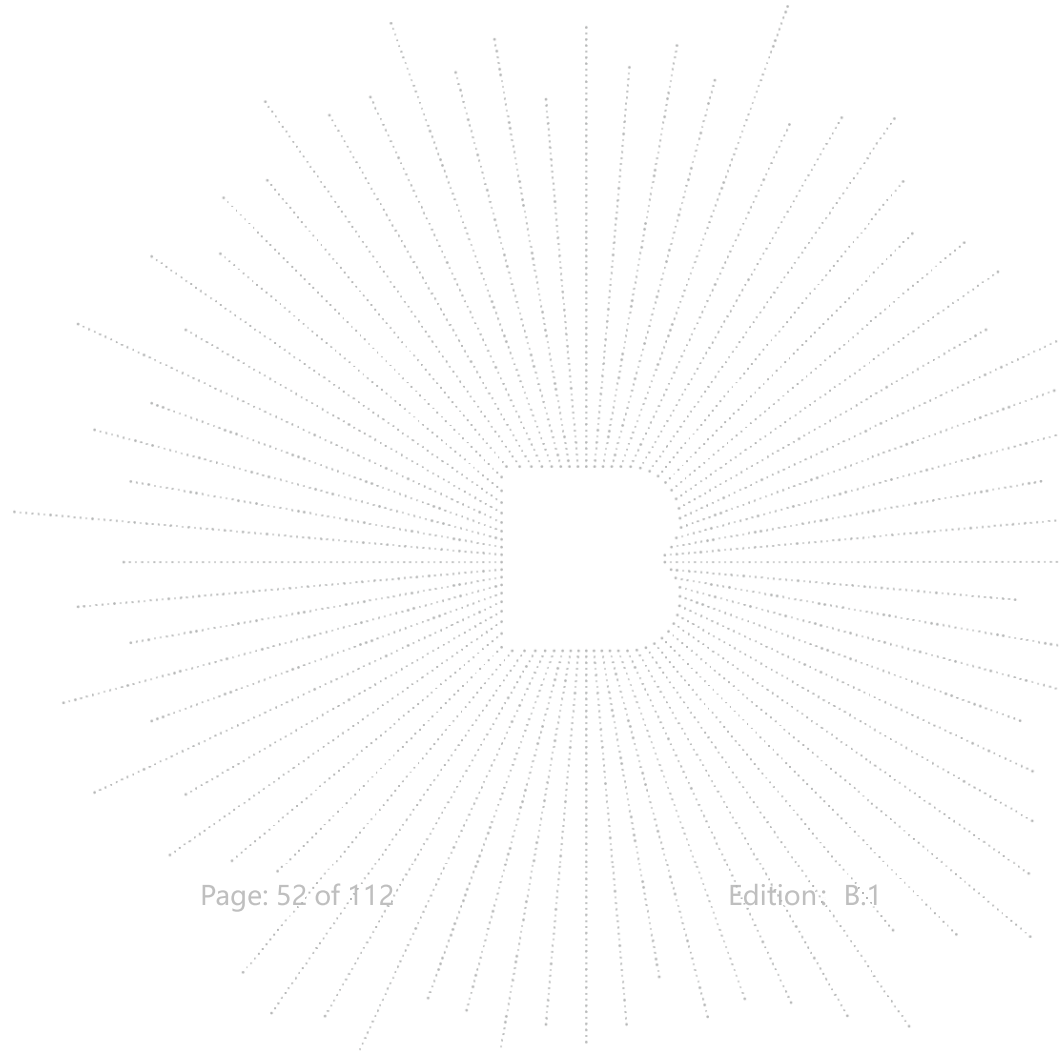


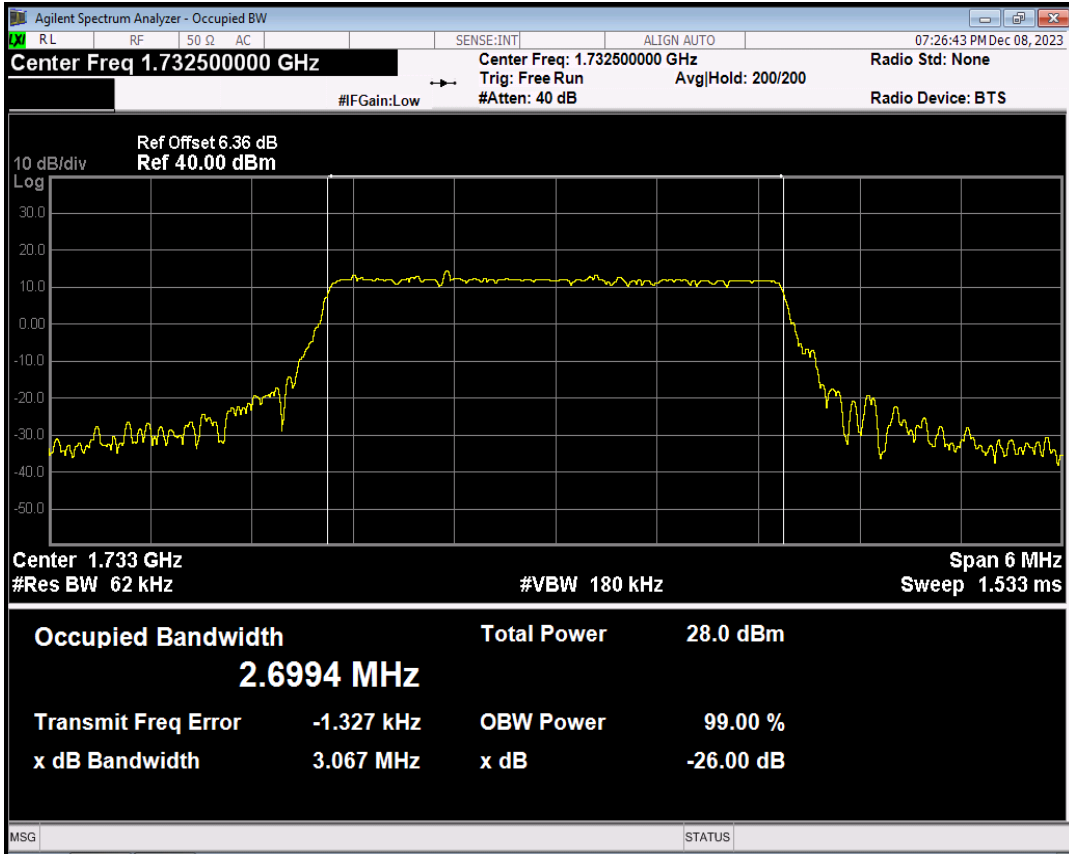


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

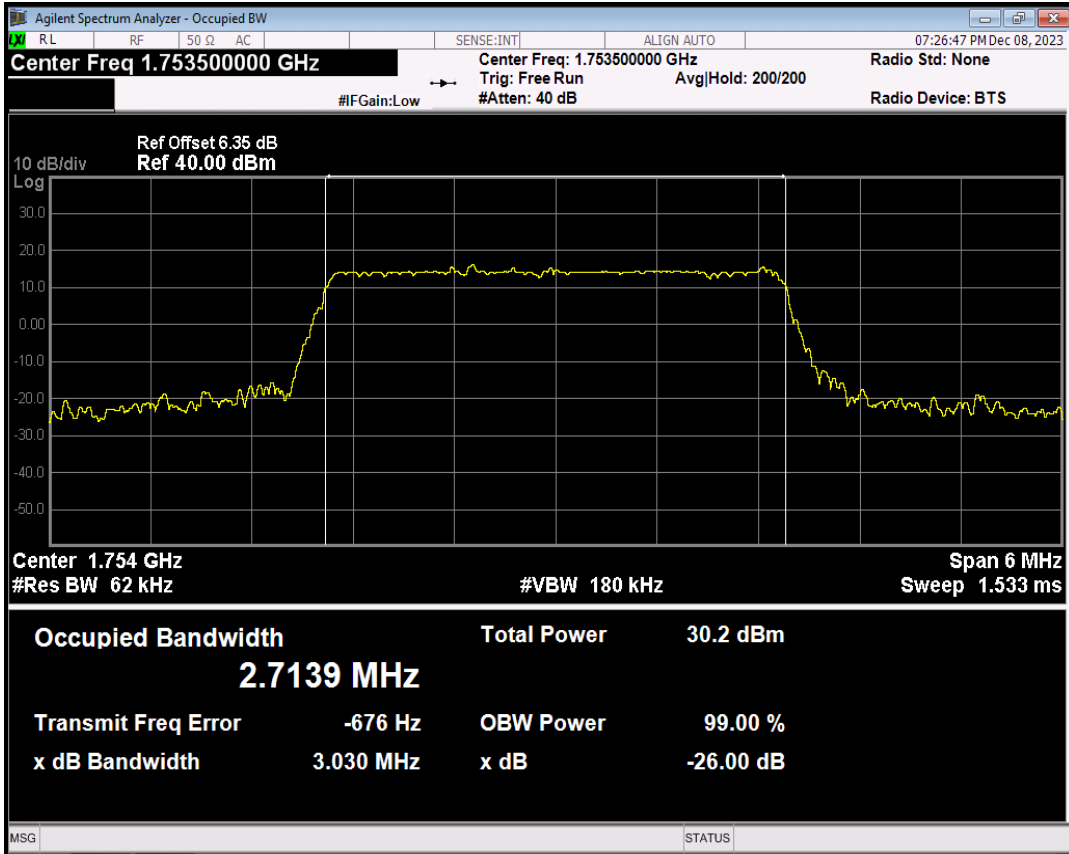


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

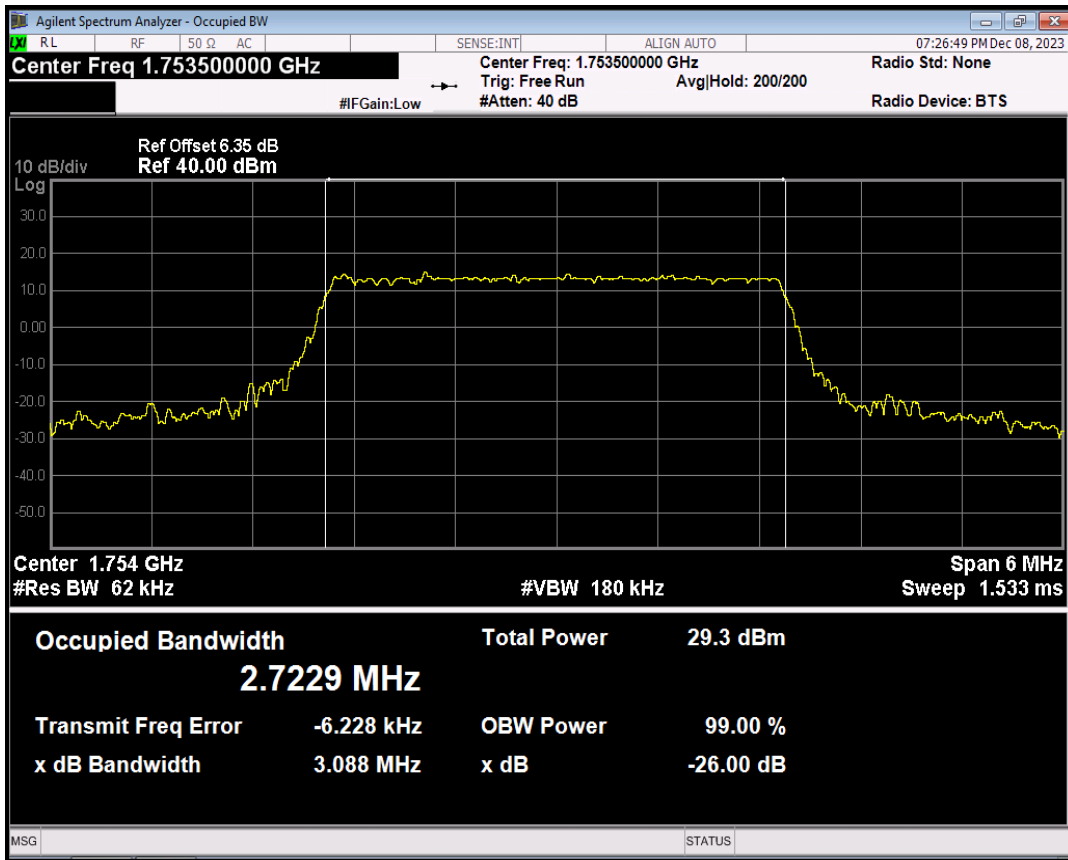




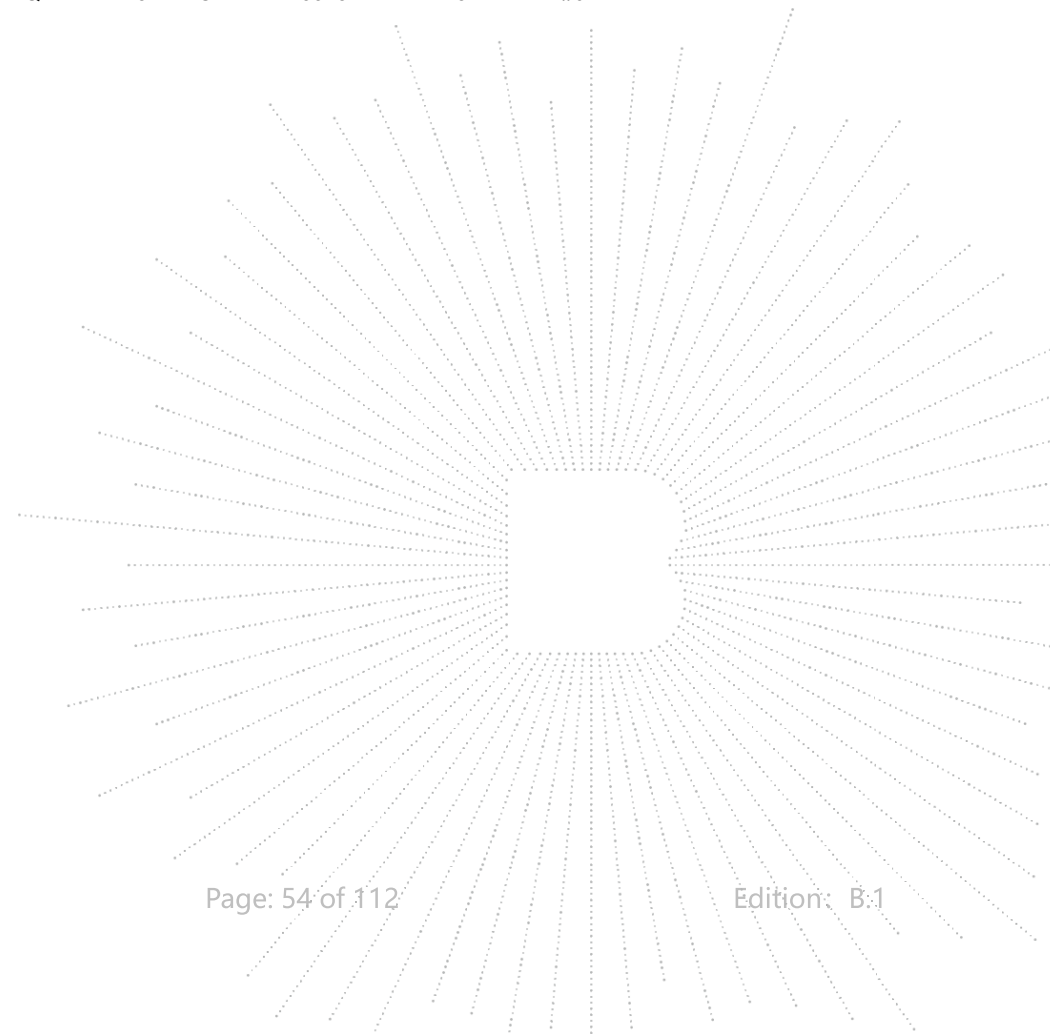
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

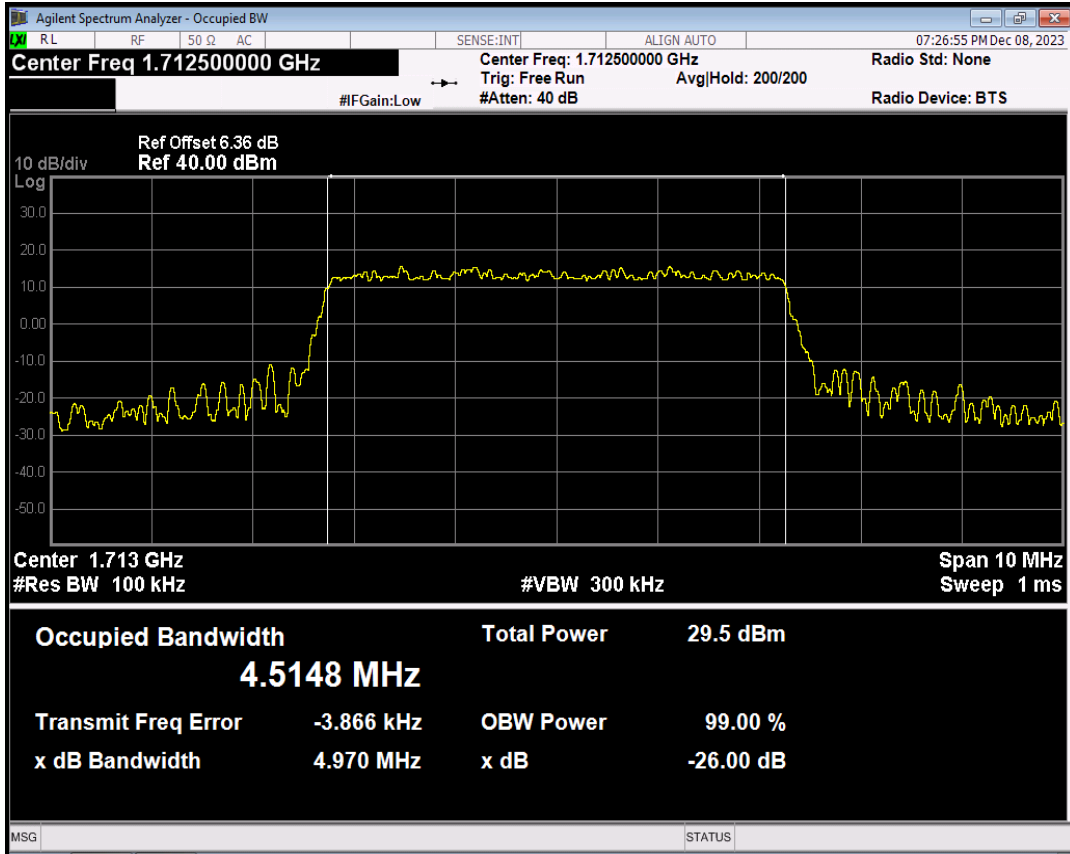


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

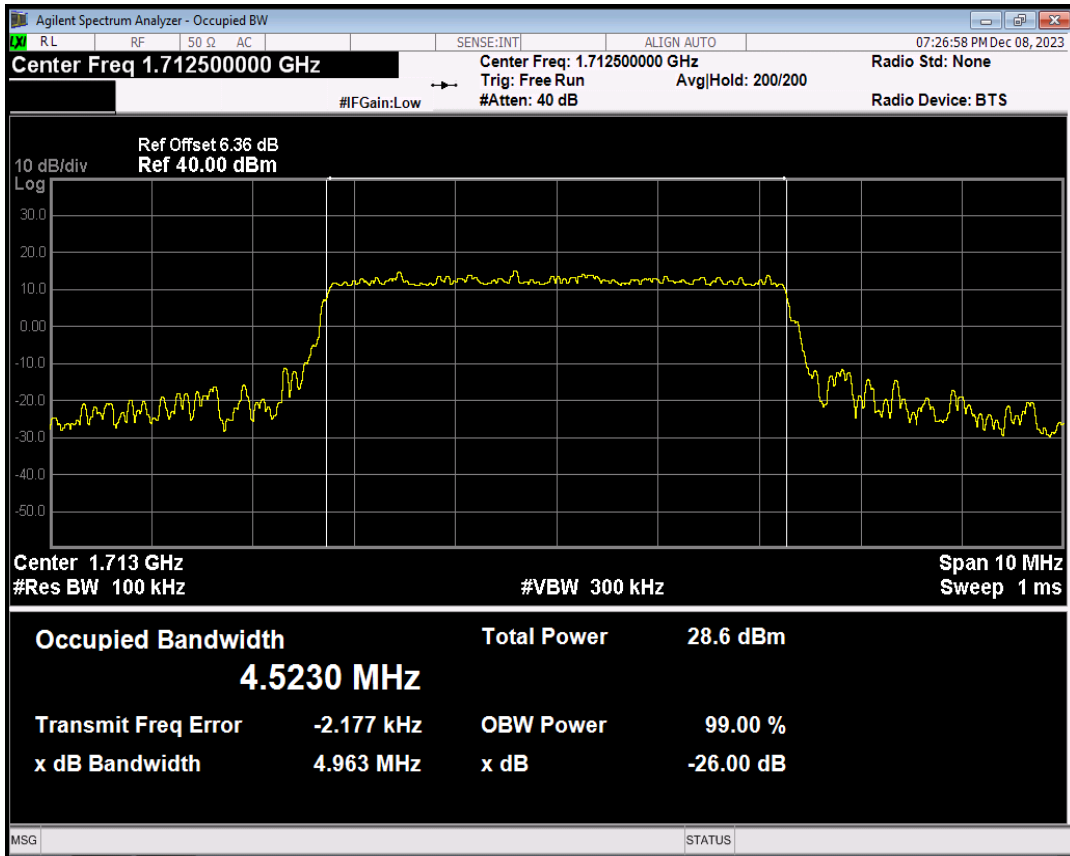


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

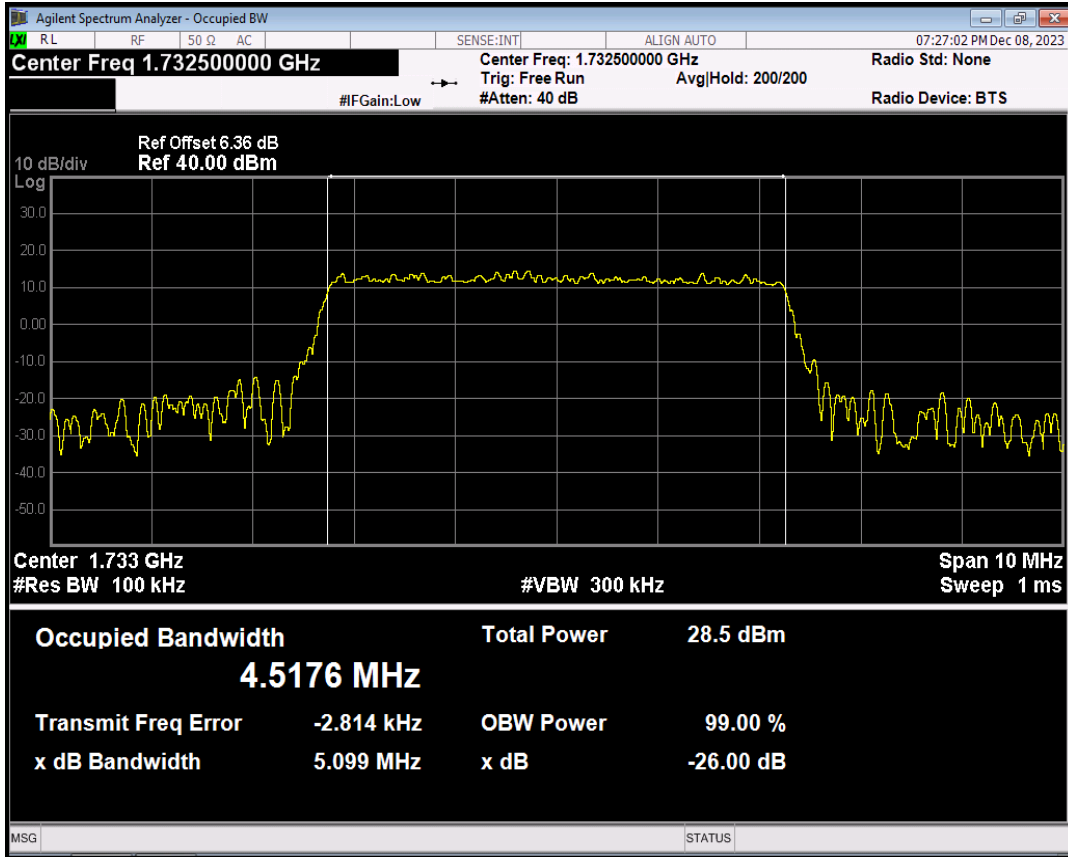




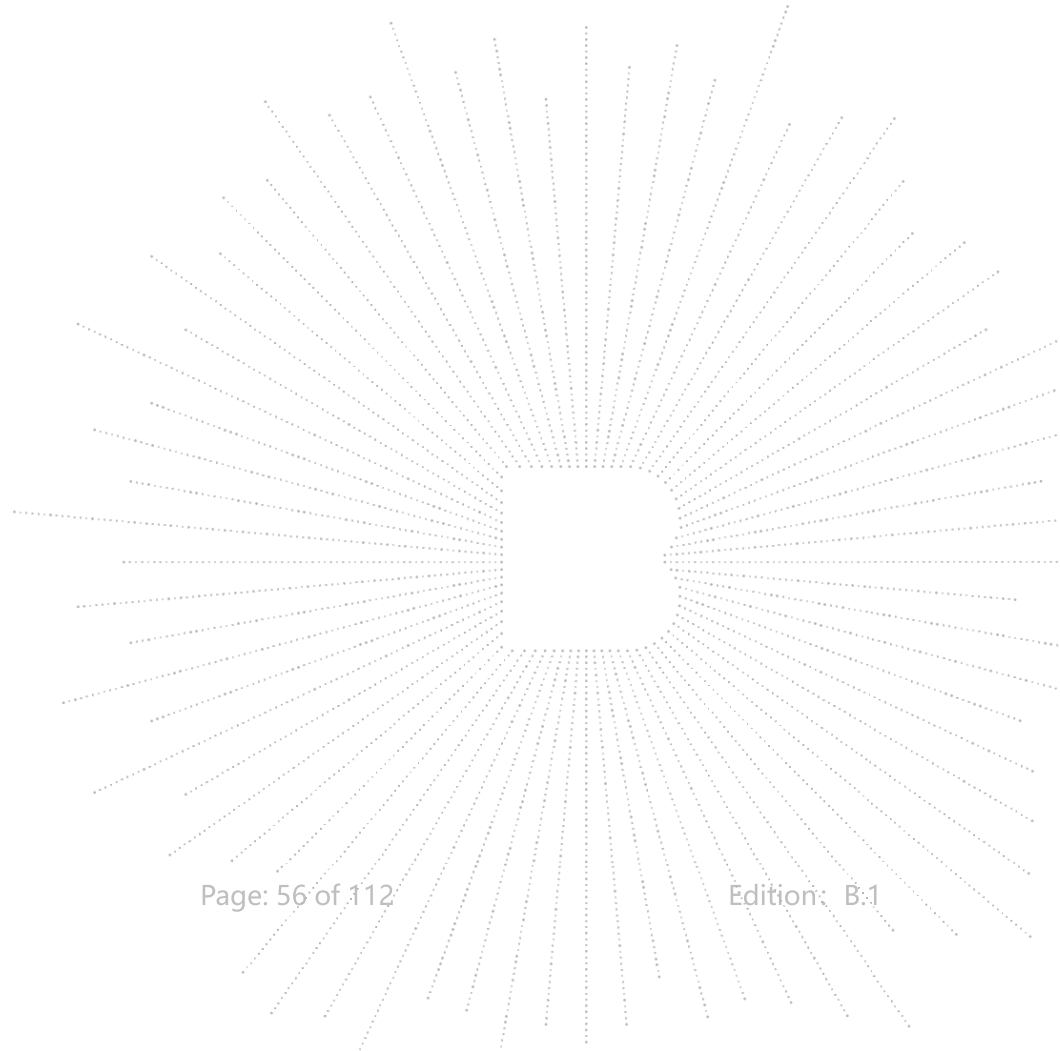
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



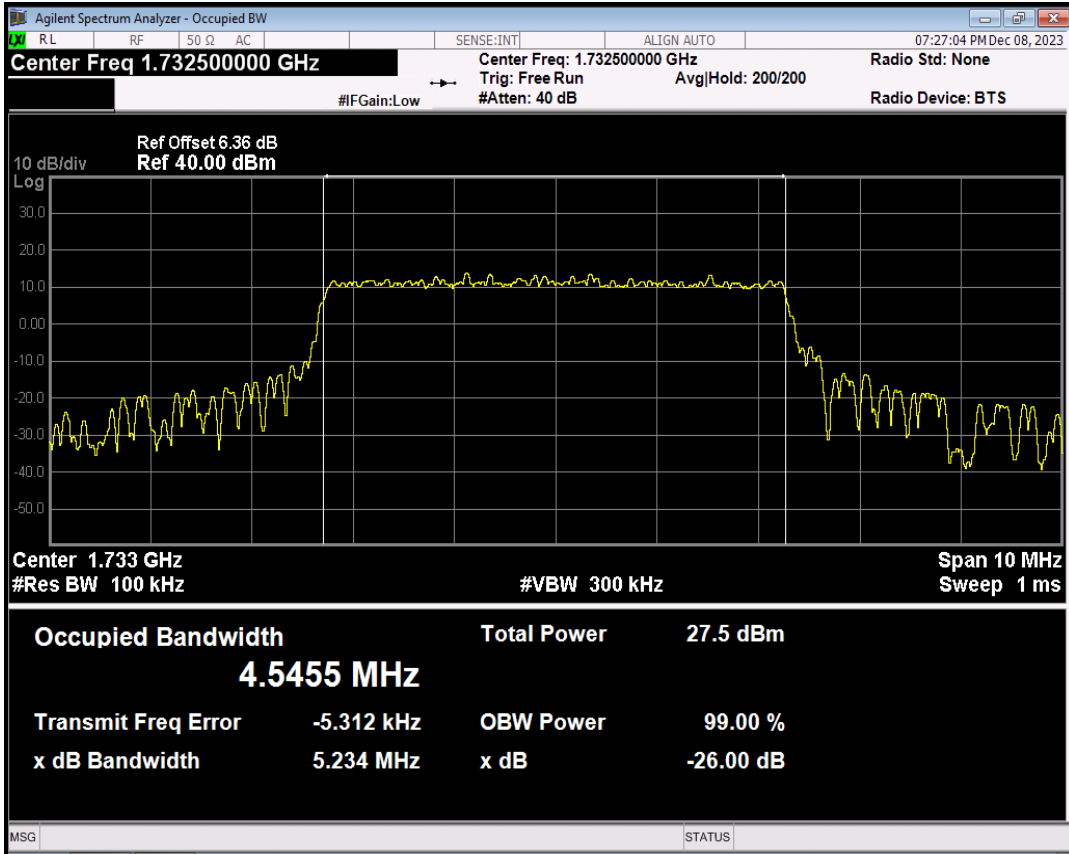
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



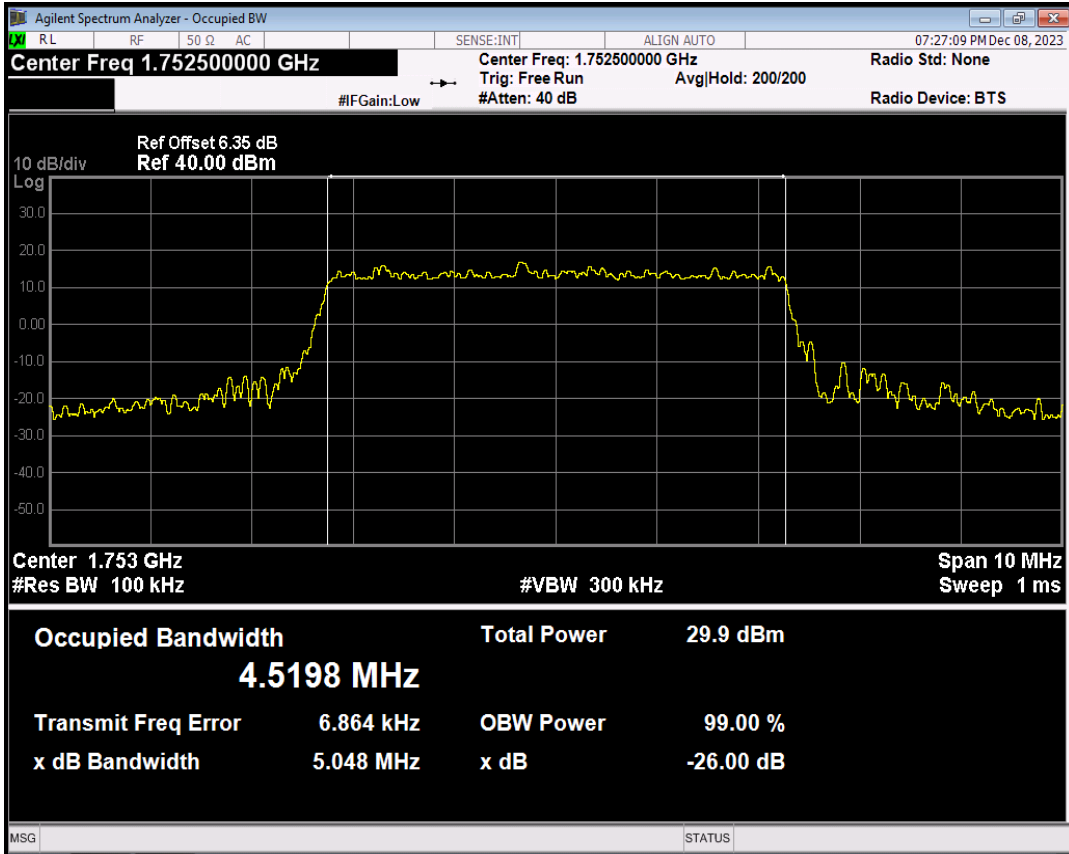
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0





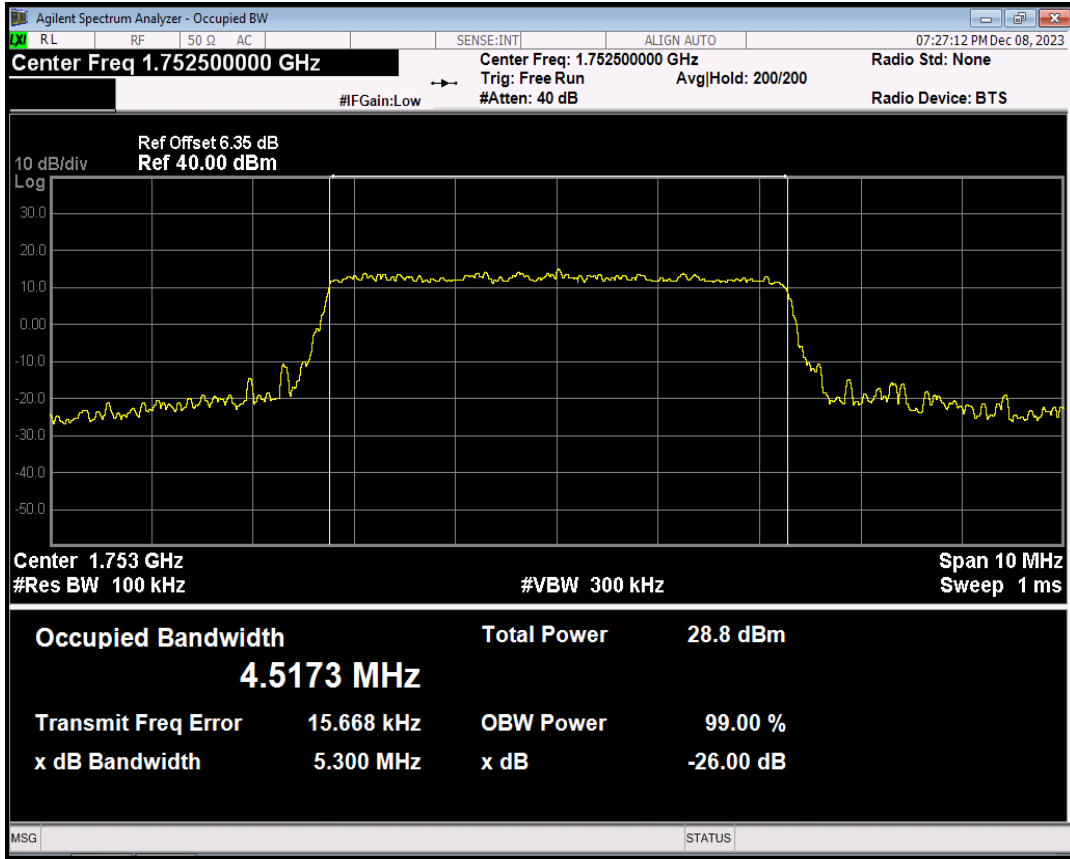


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

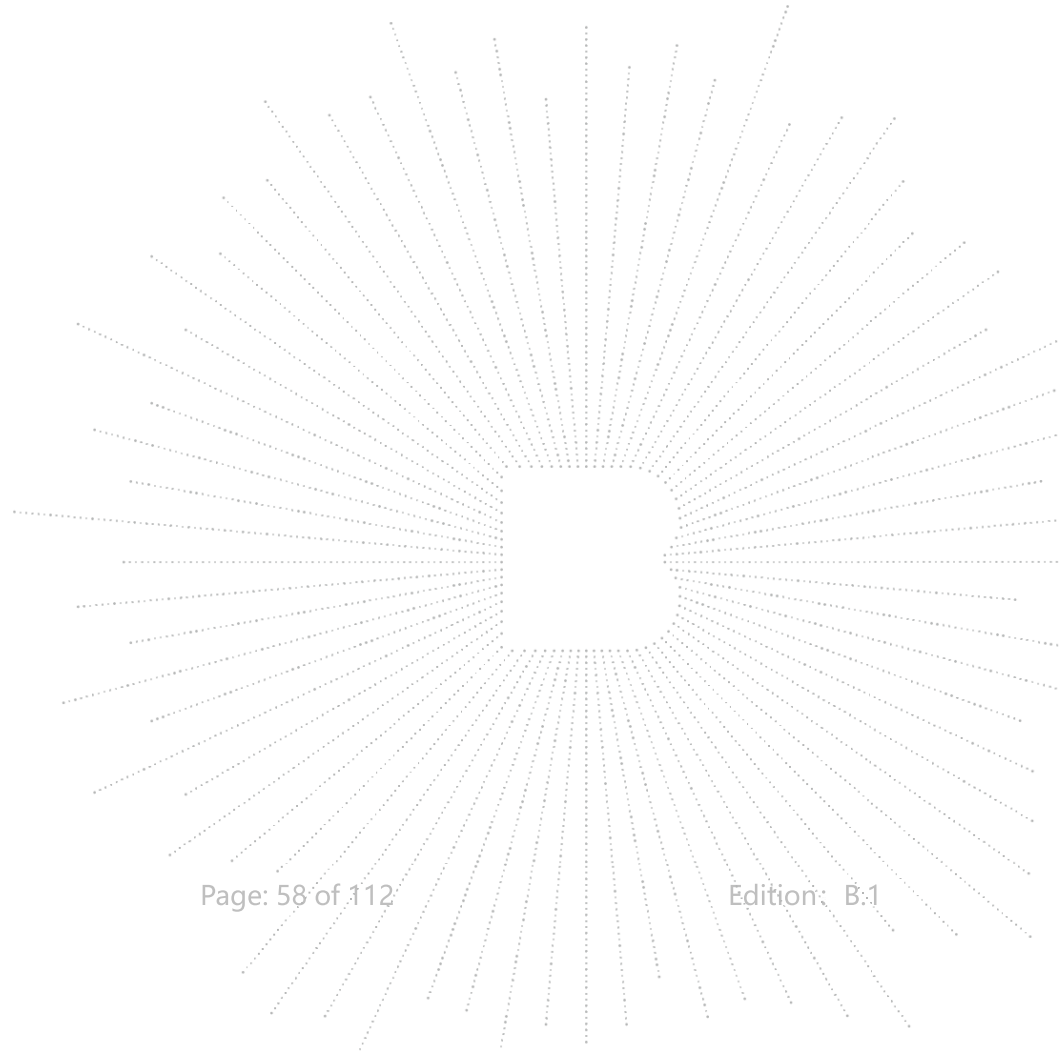


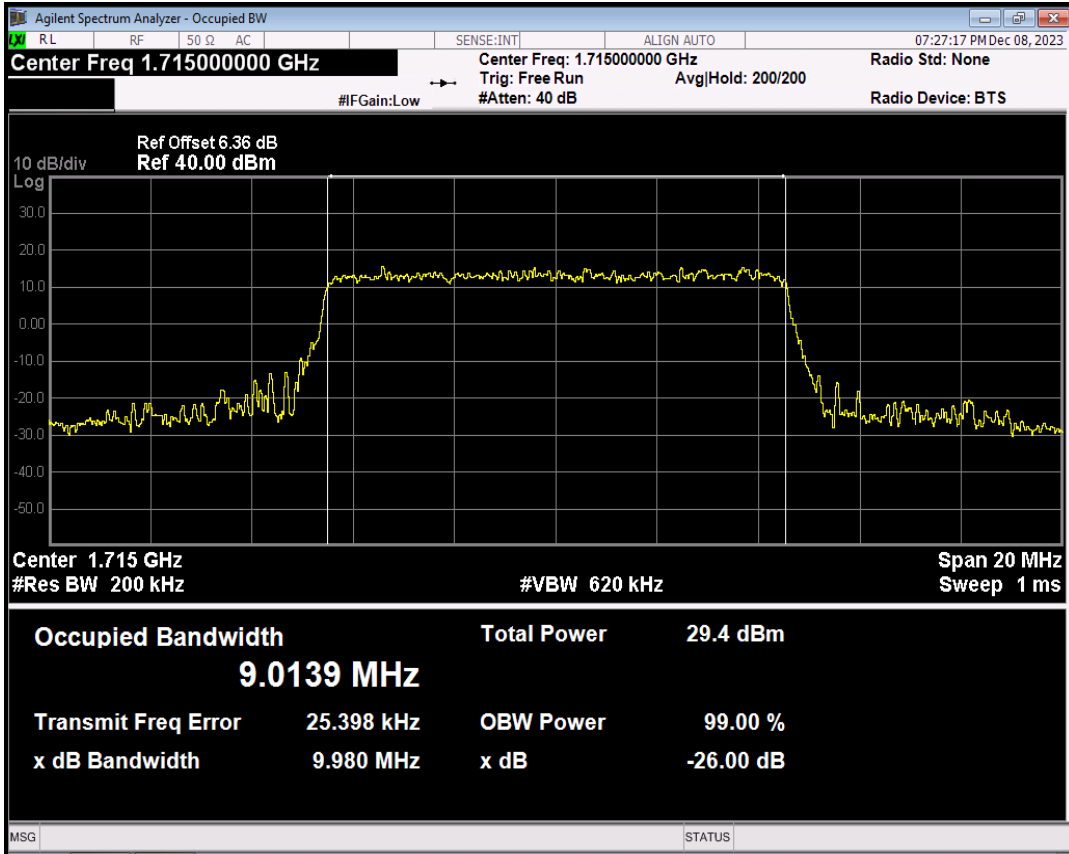


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

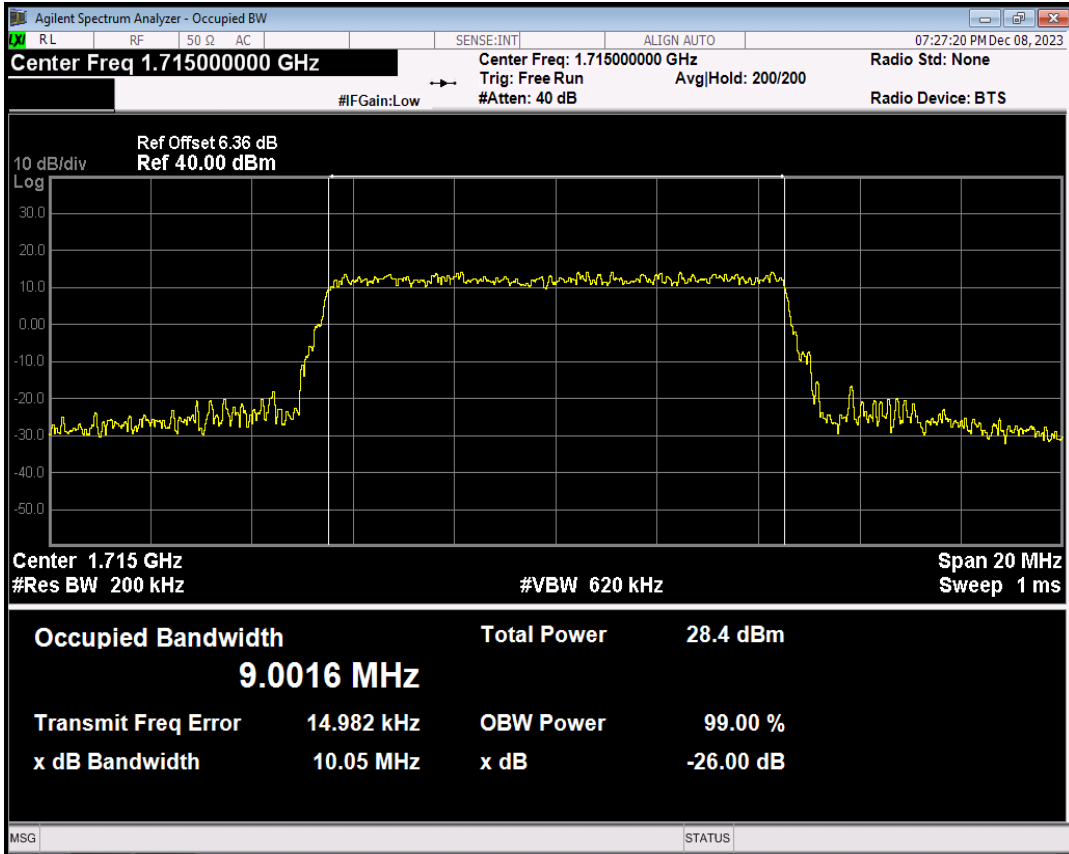


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



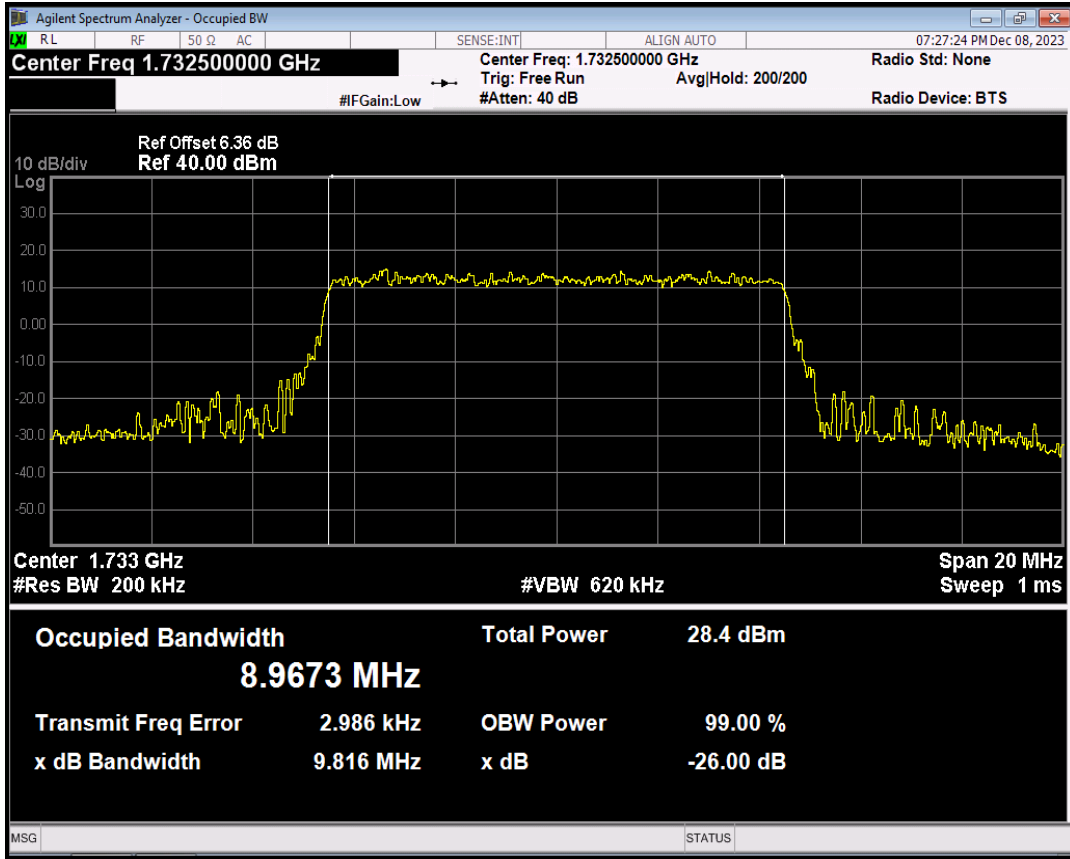


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

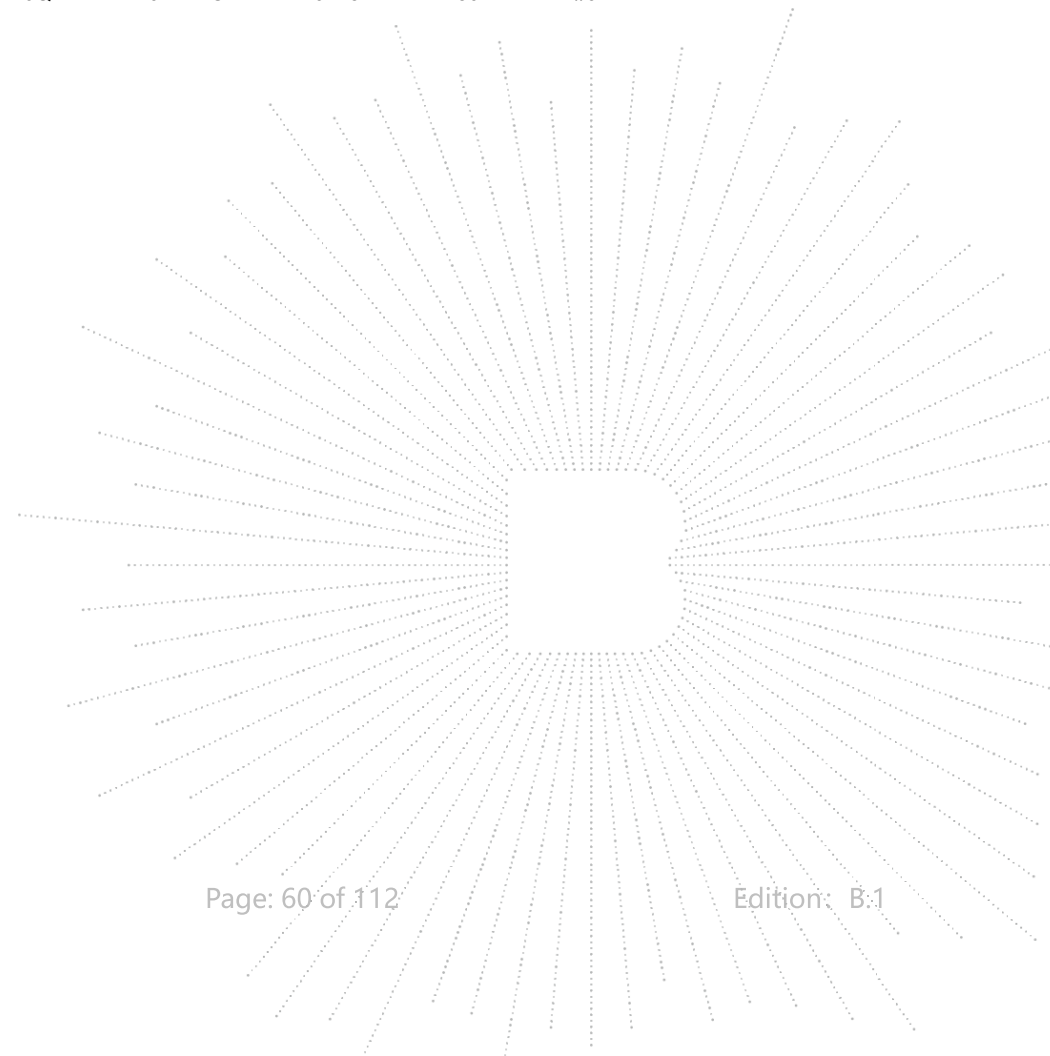


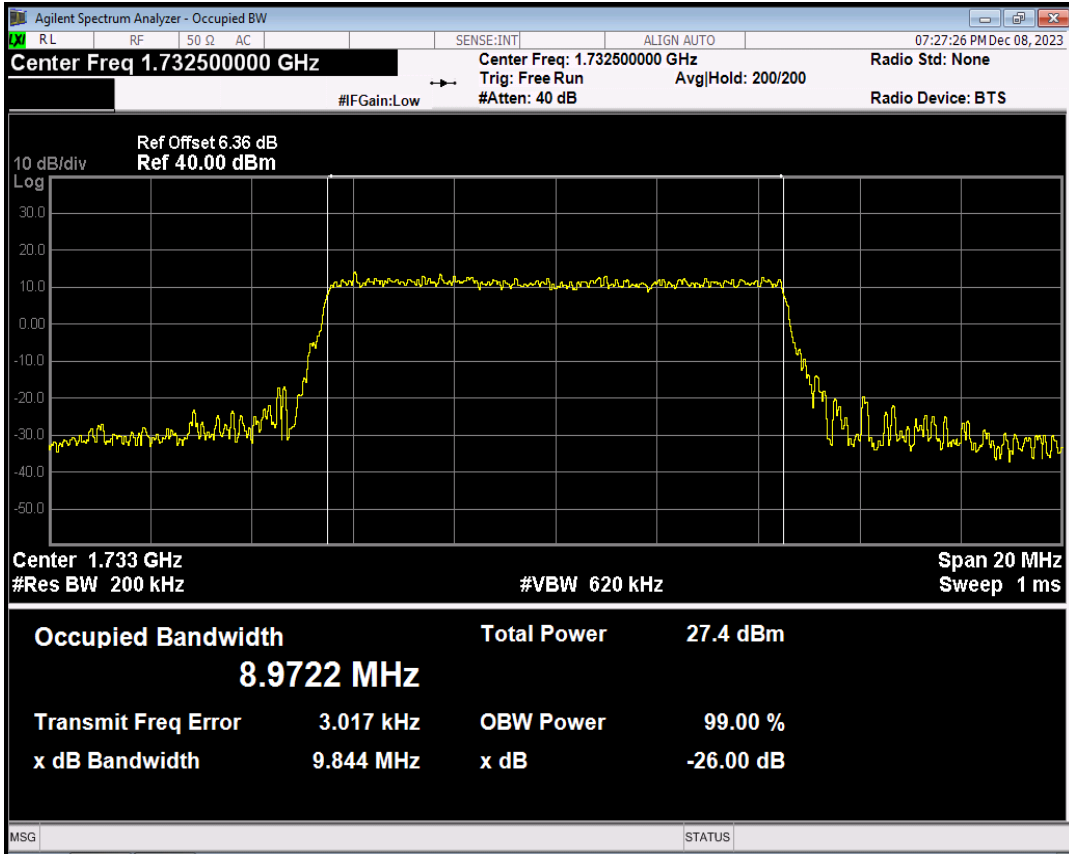


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

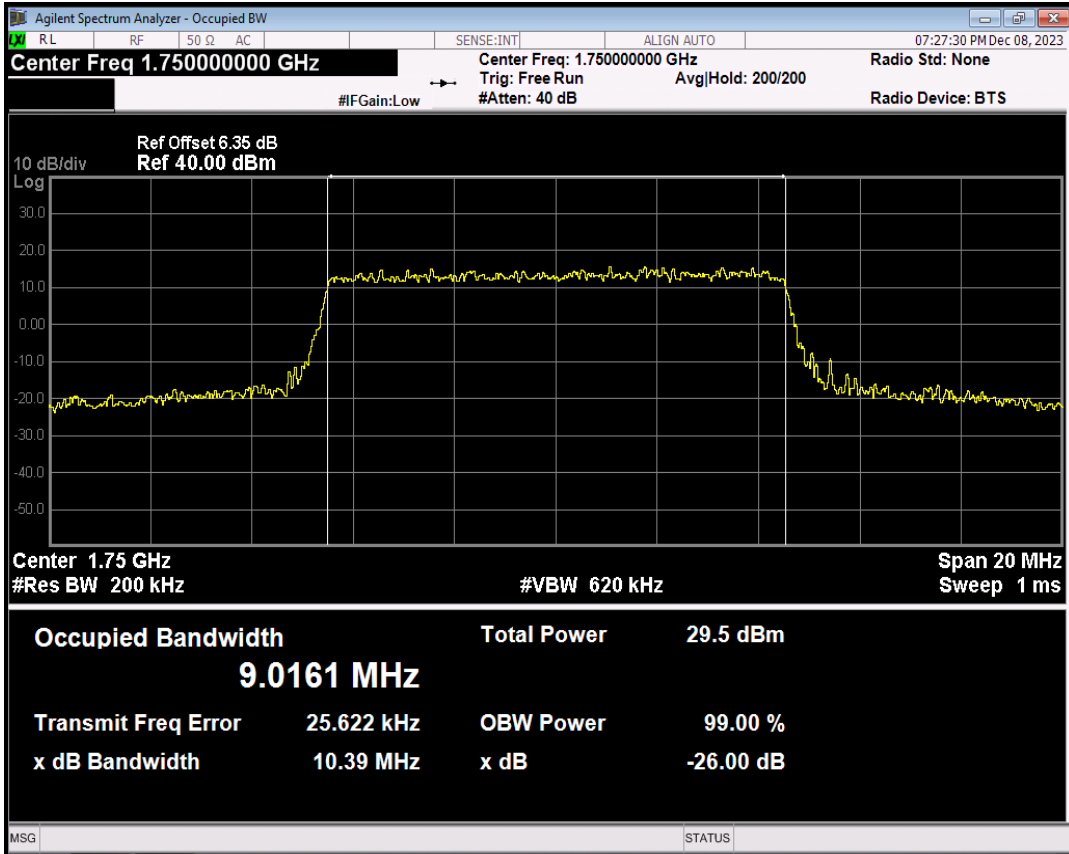


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



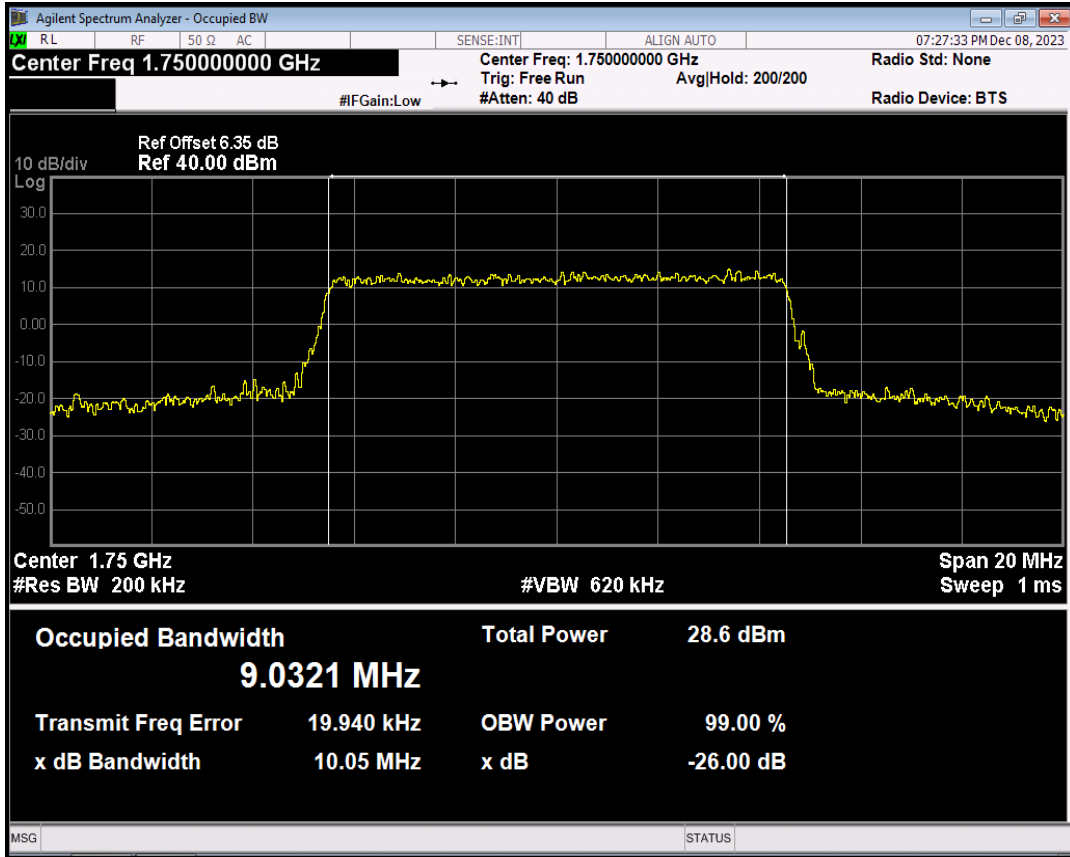


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

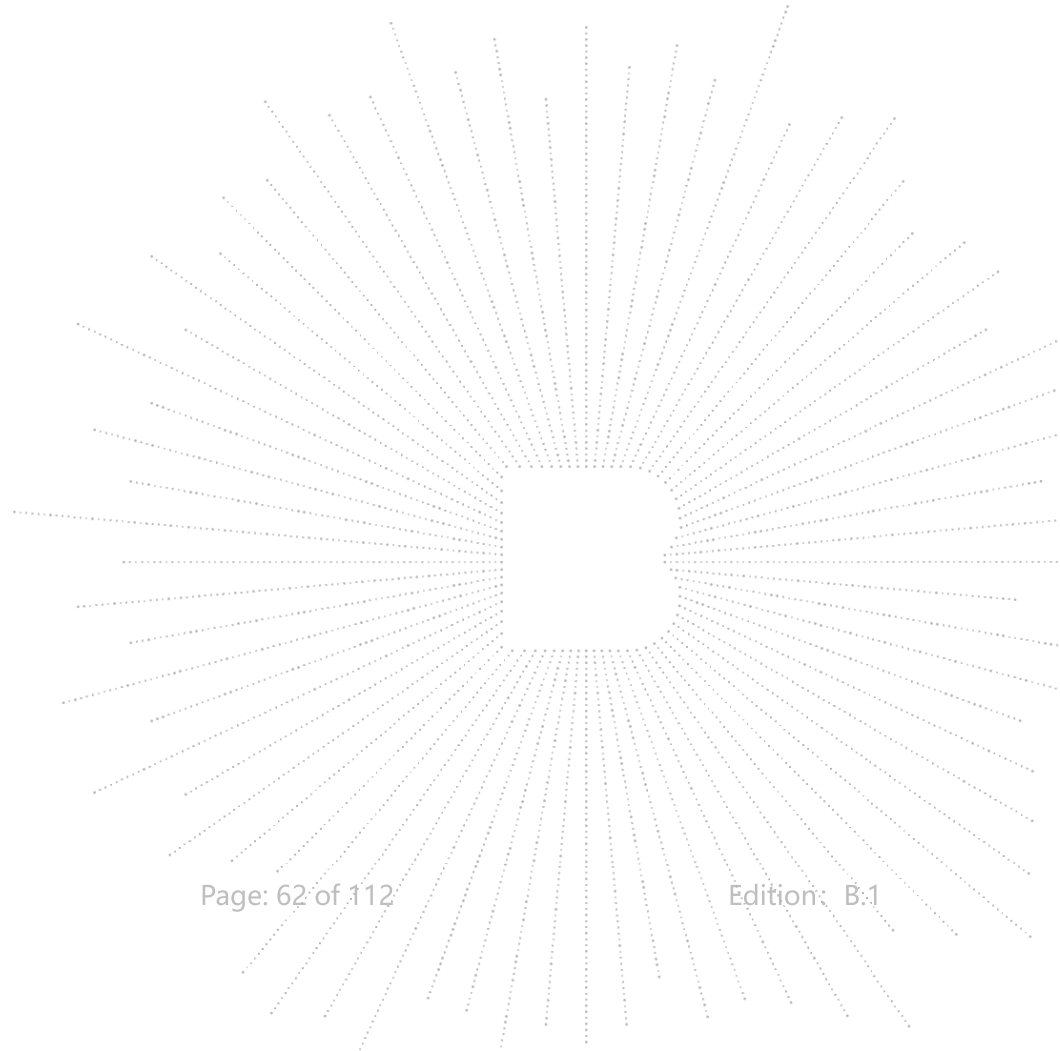


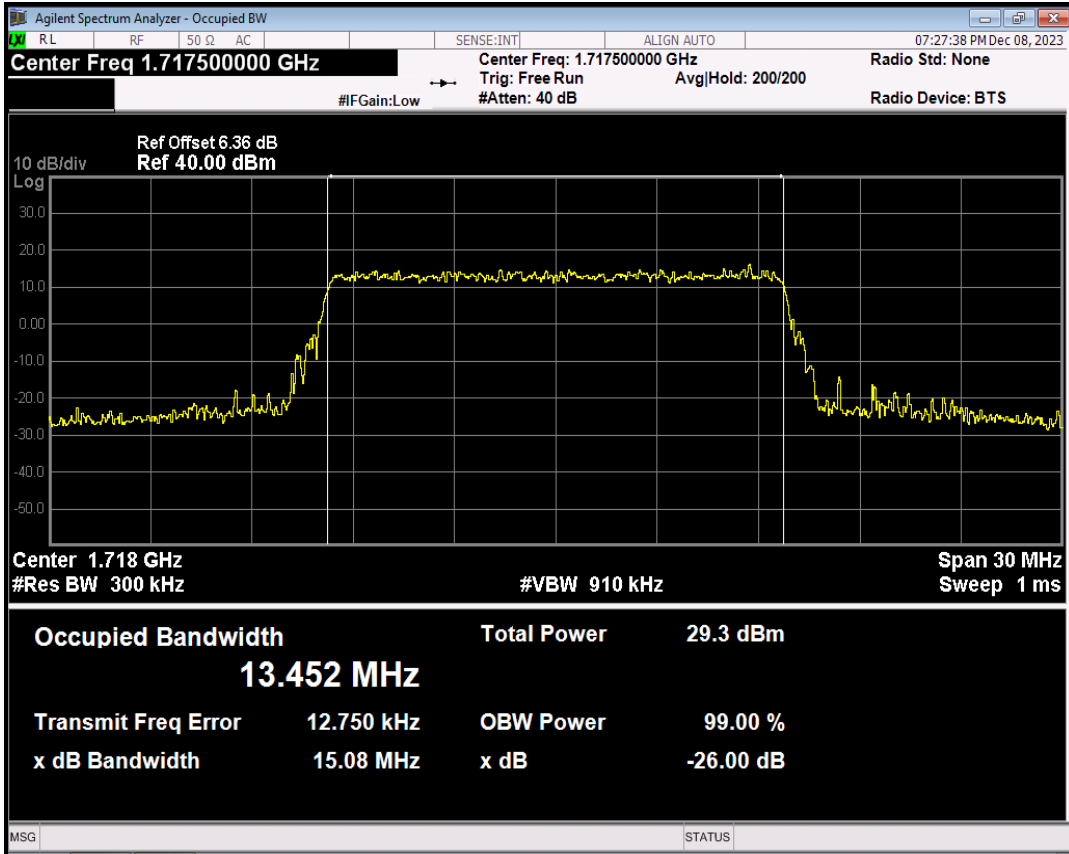


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

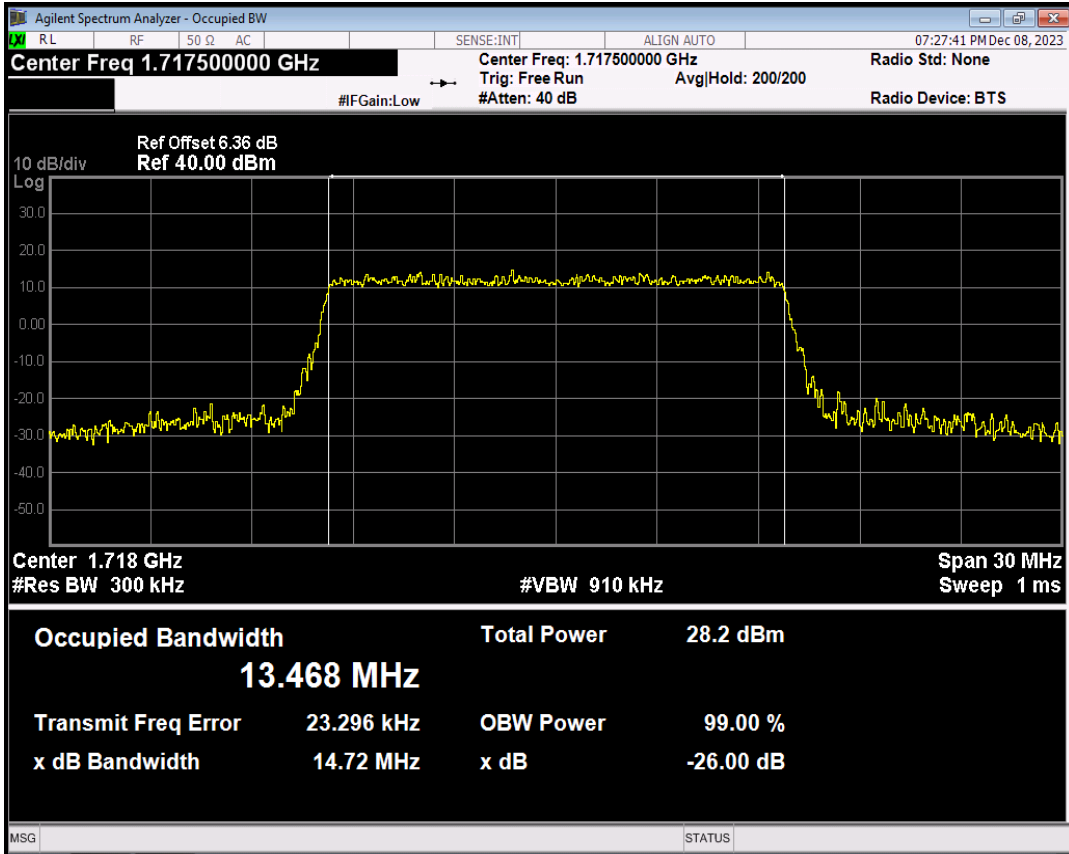


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



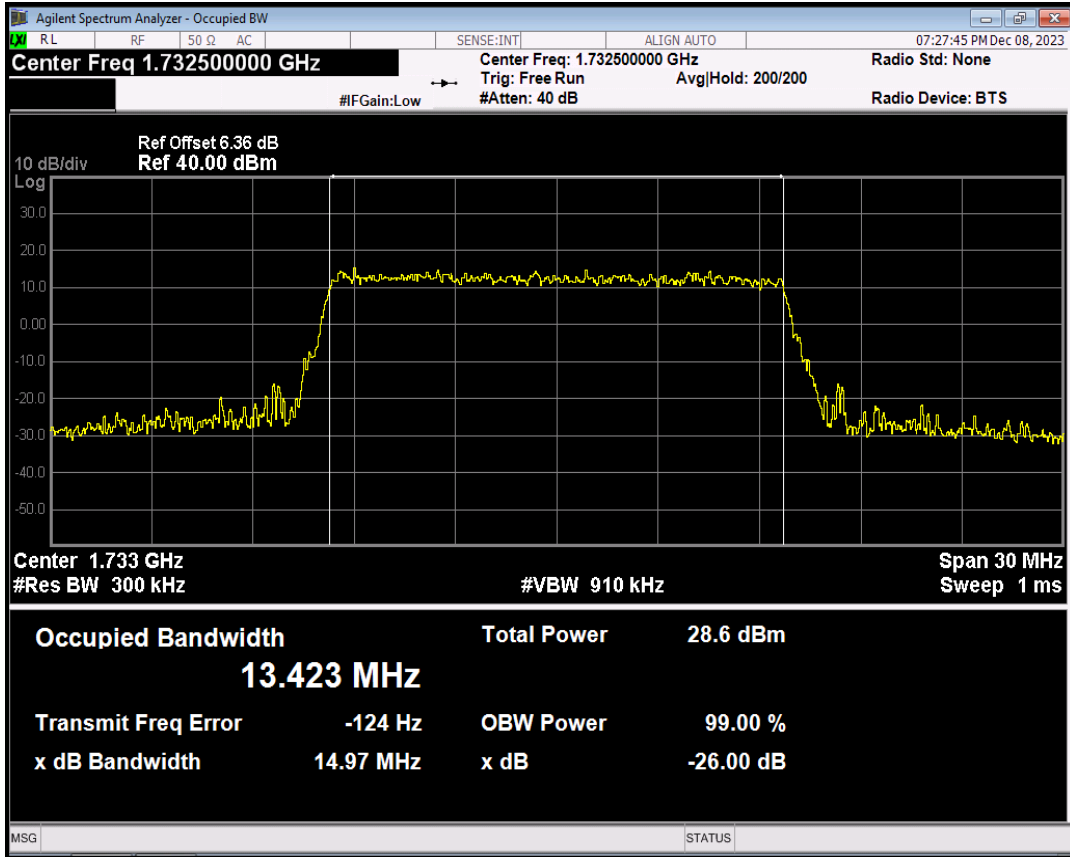


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

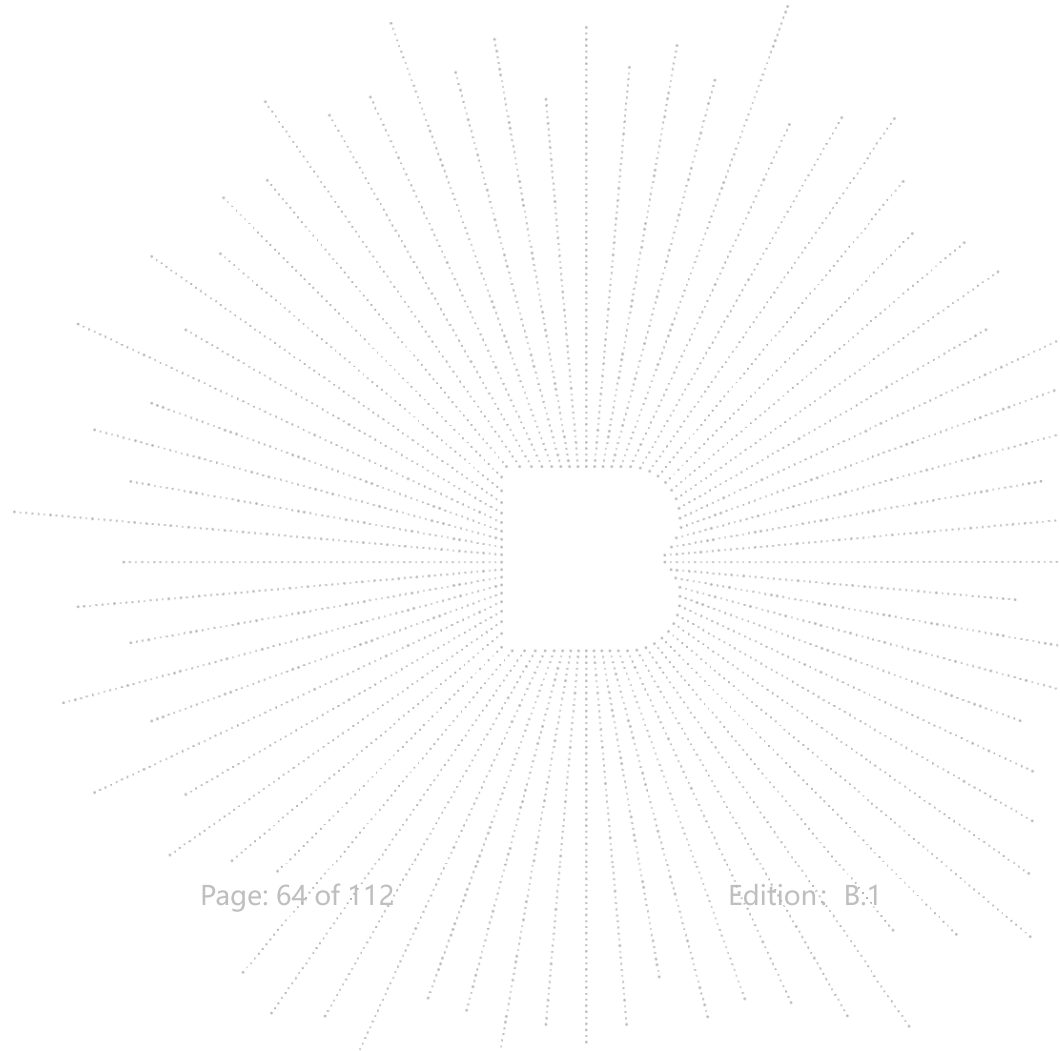




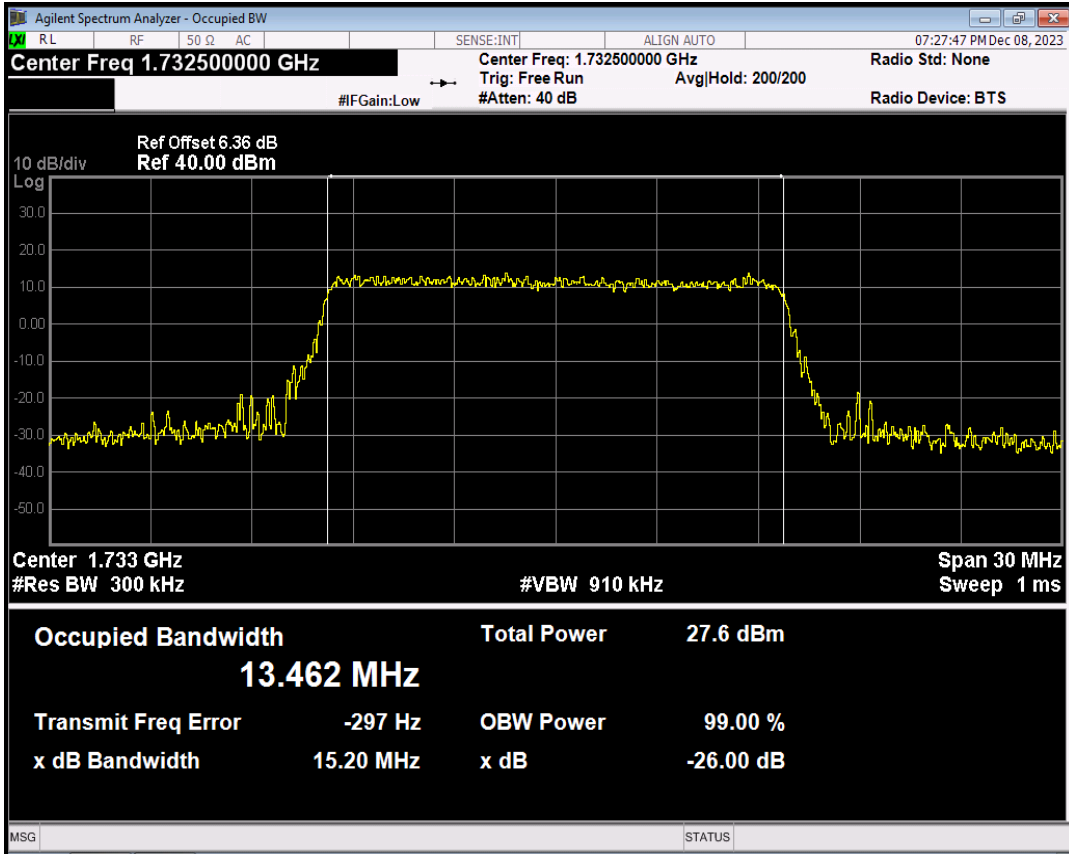
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



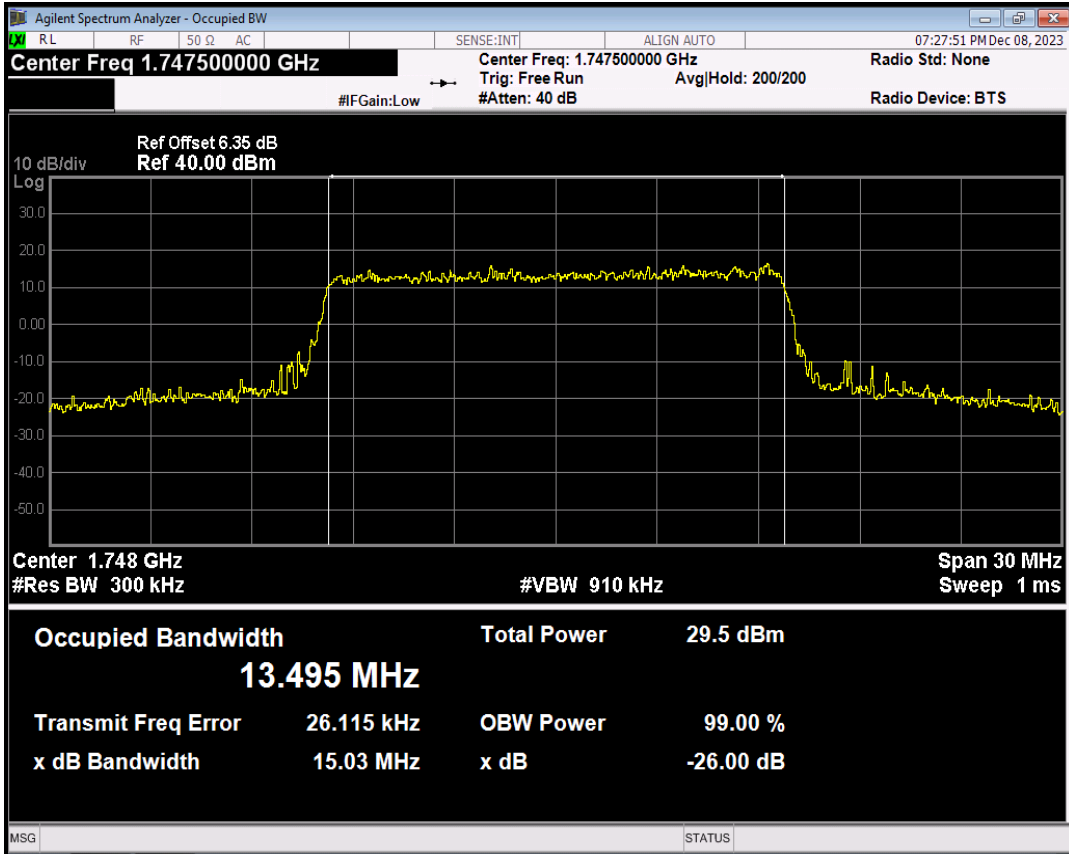
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



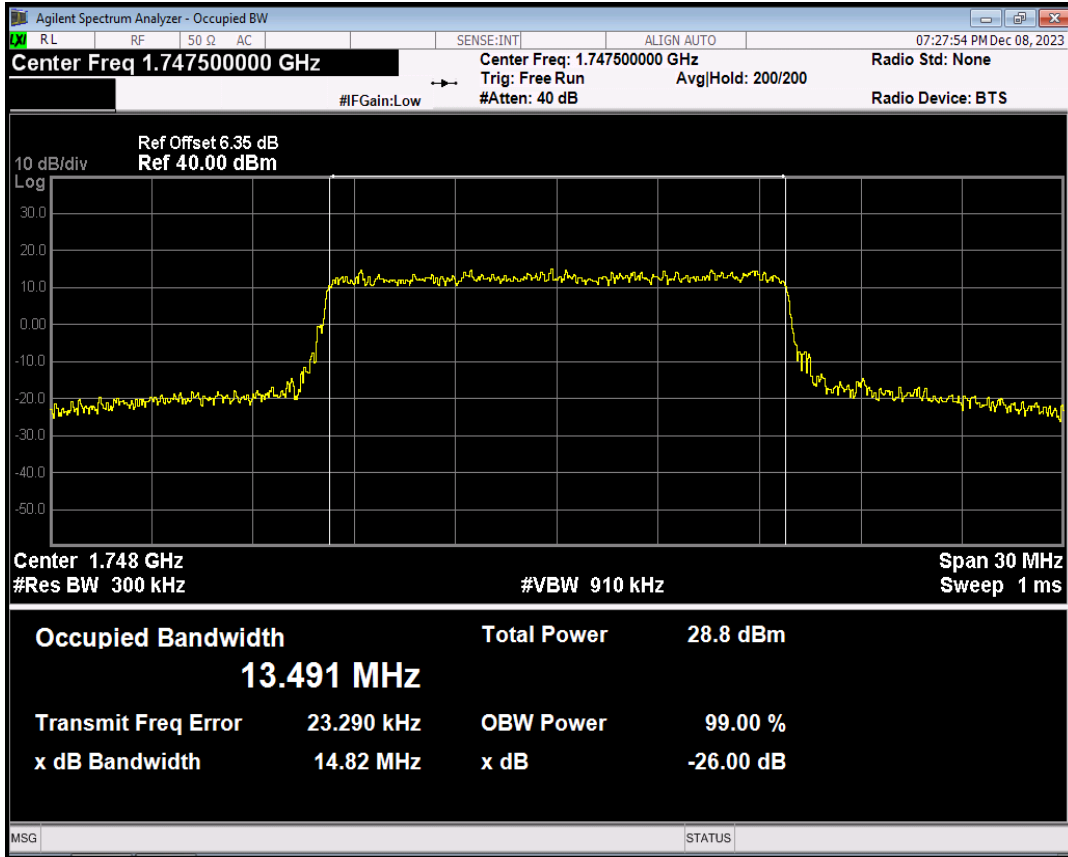




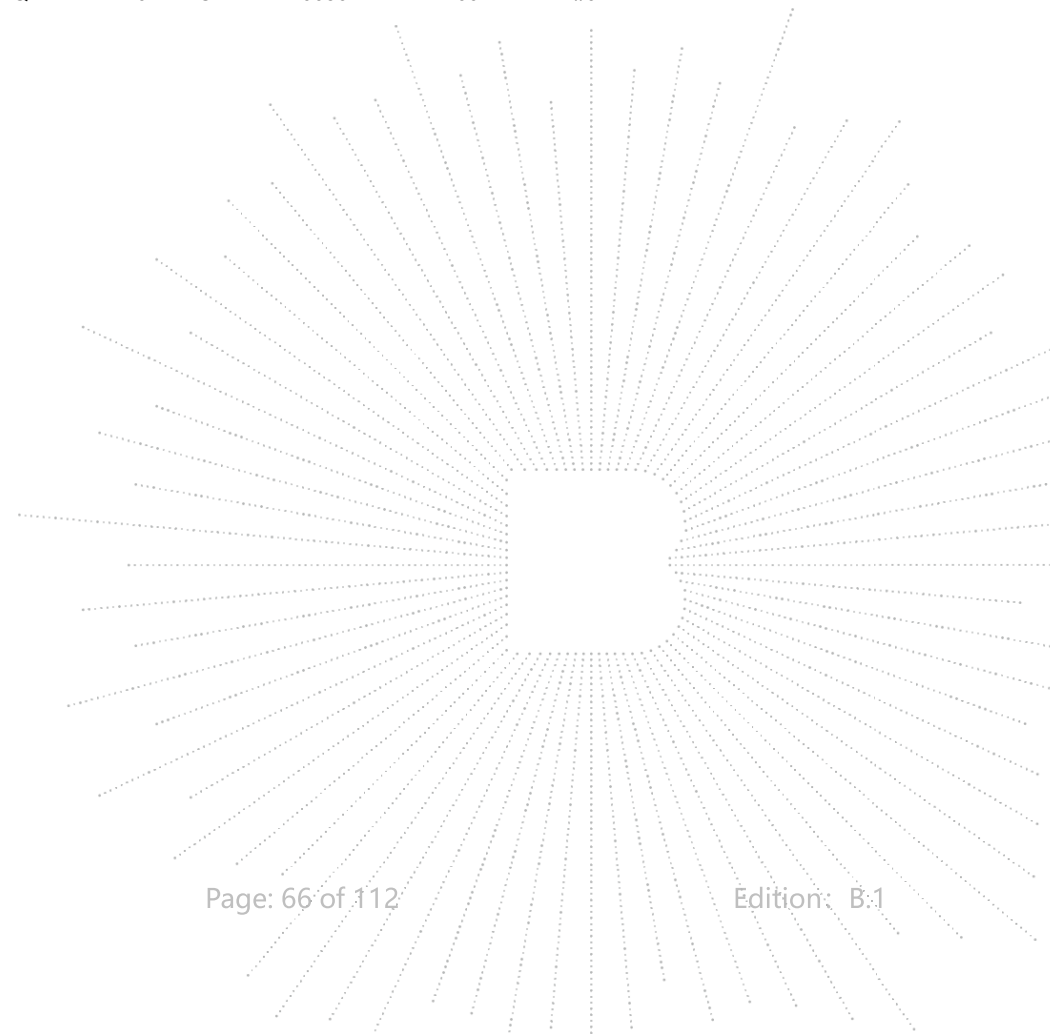
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

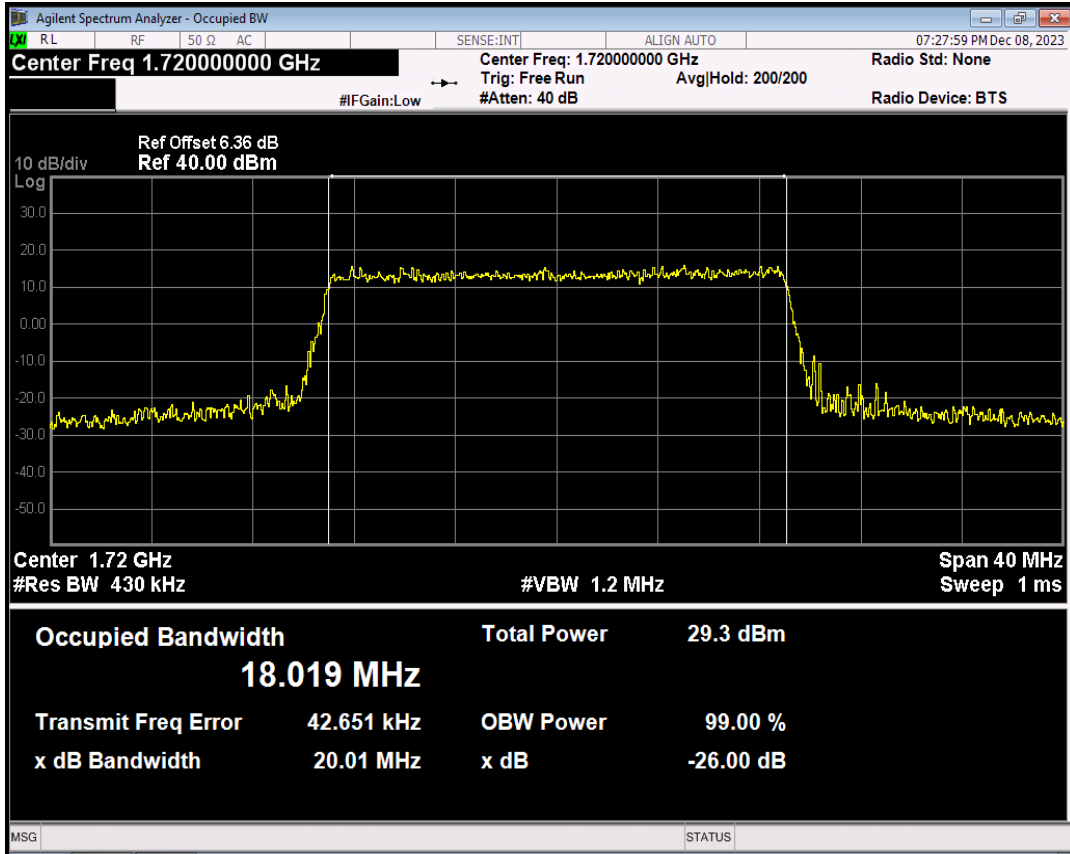


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

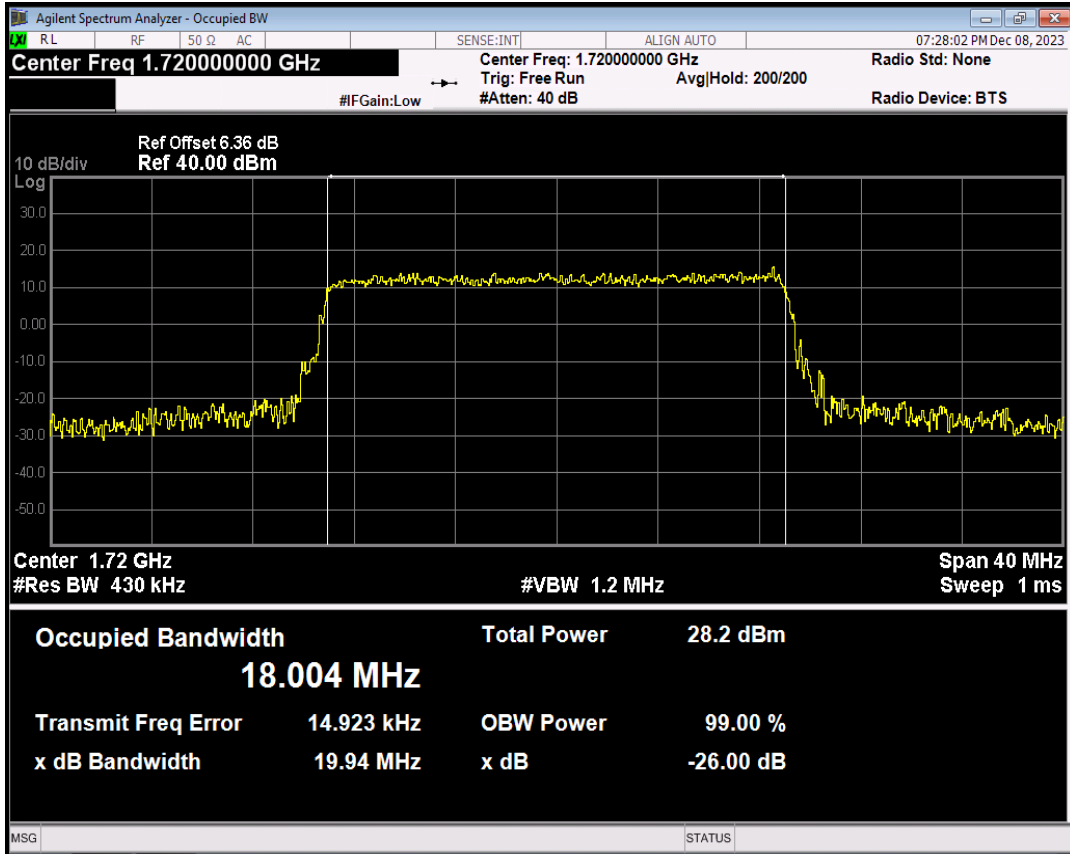


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

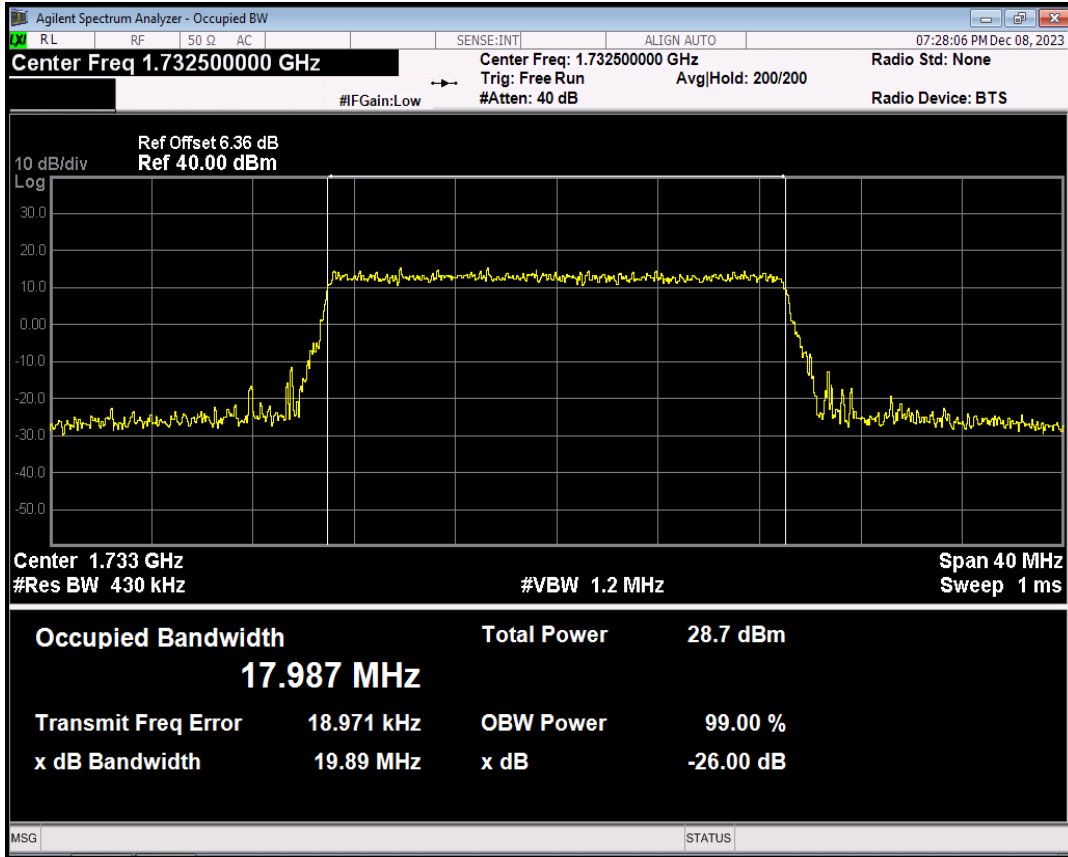




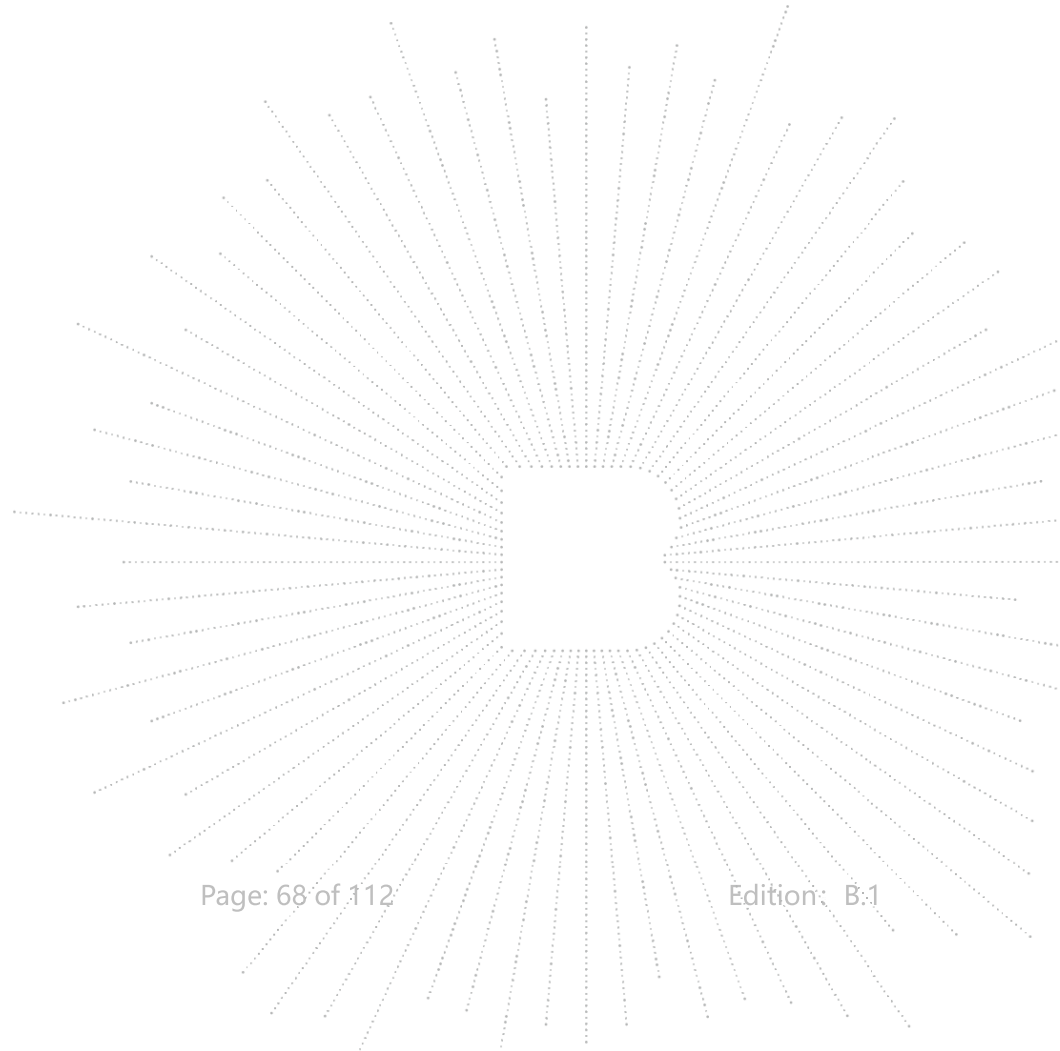
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0

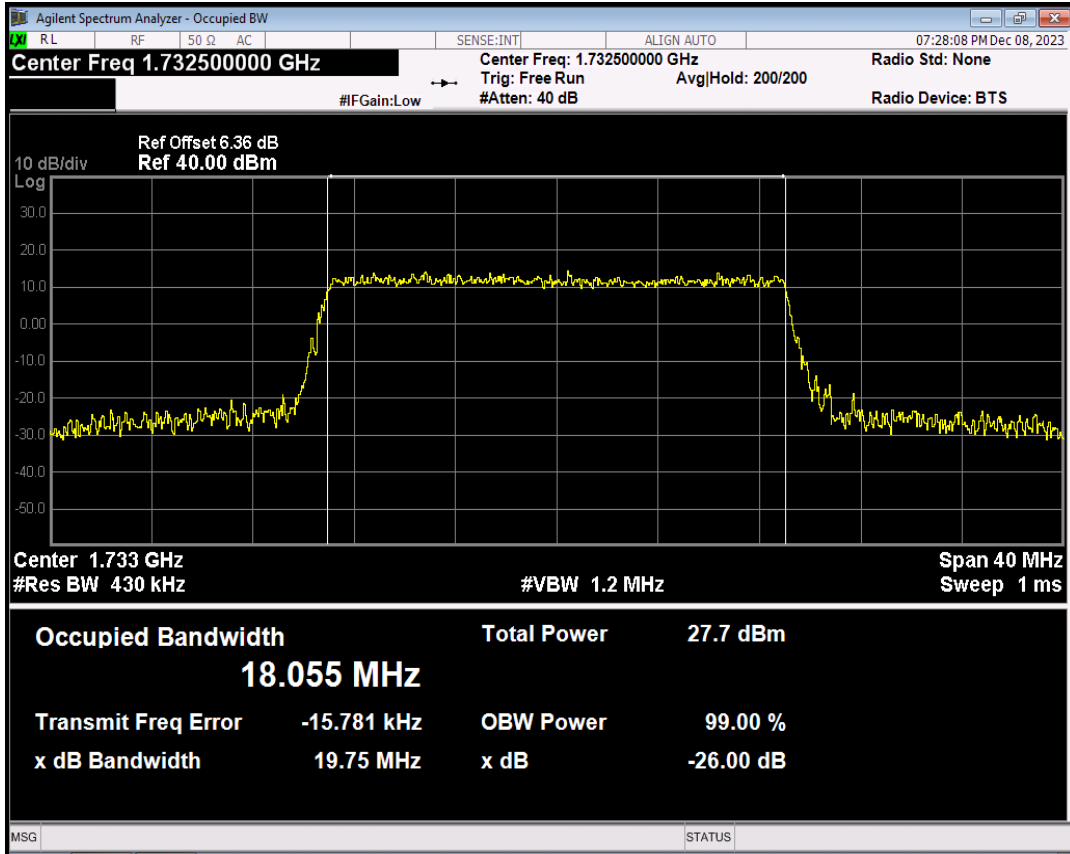


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

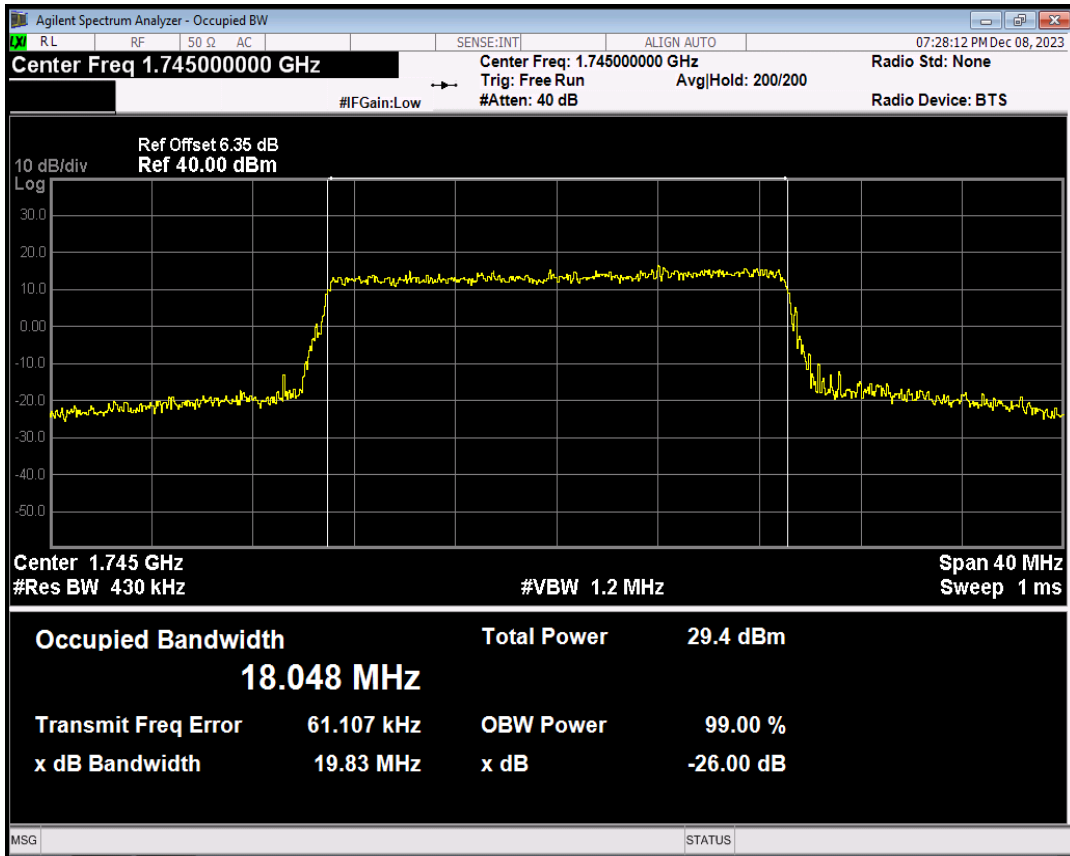


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0

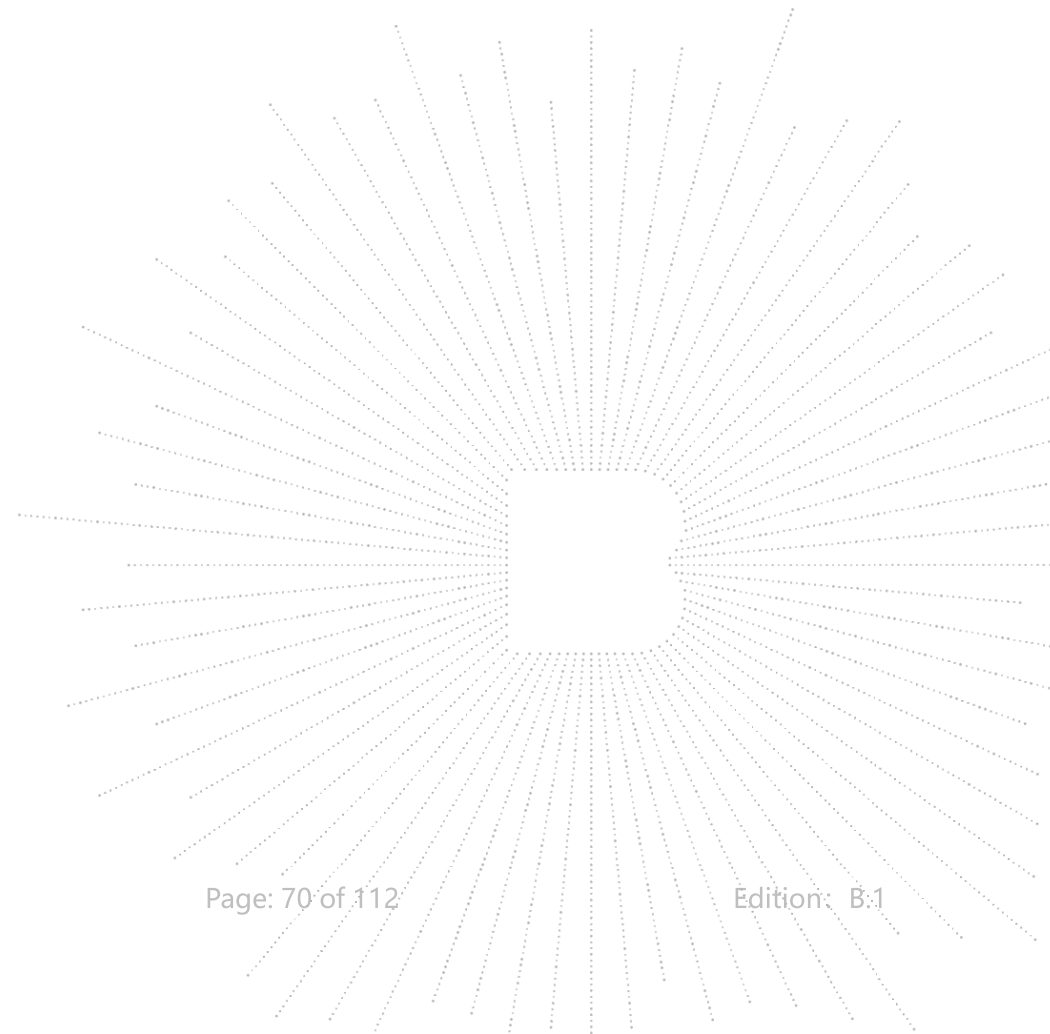
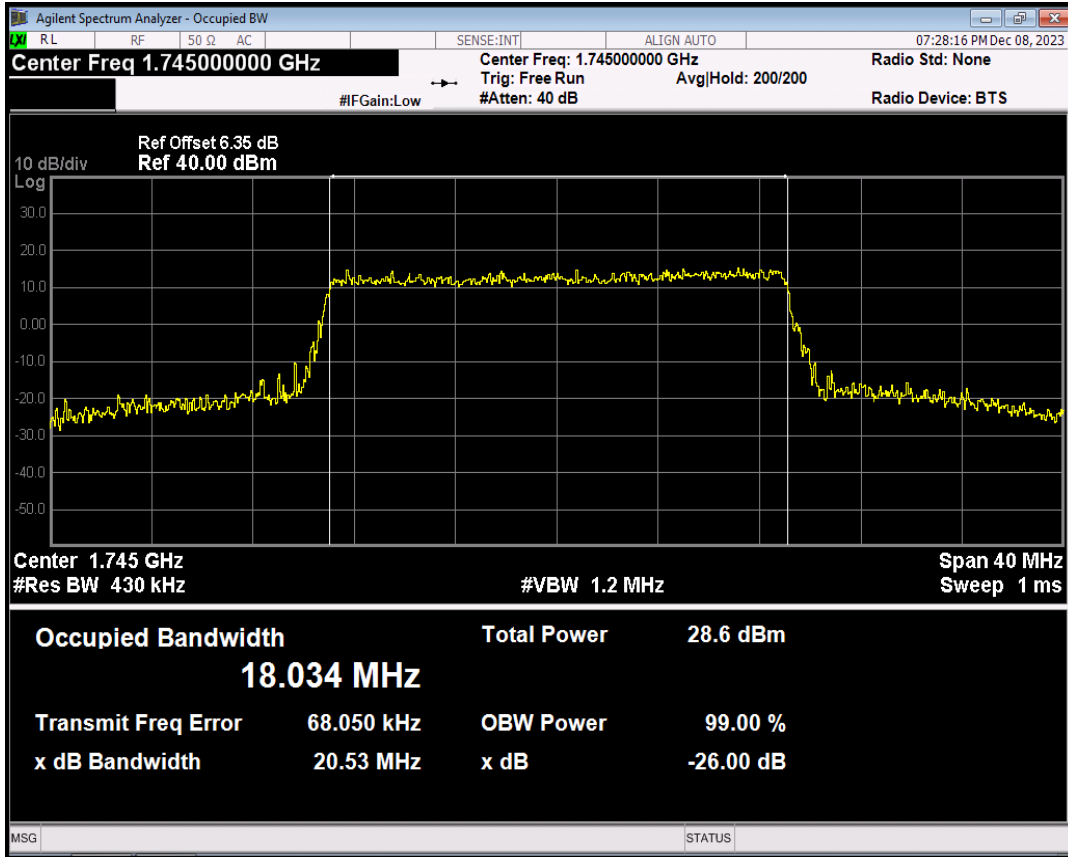




Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



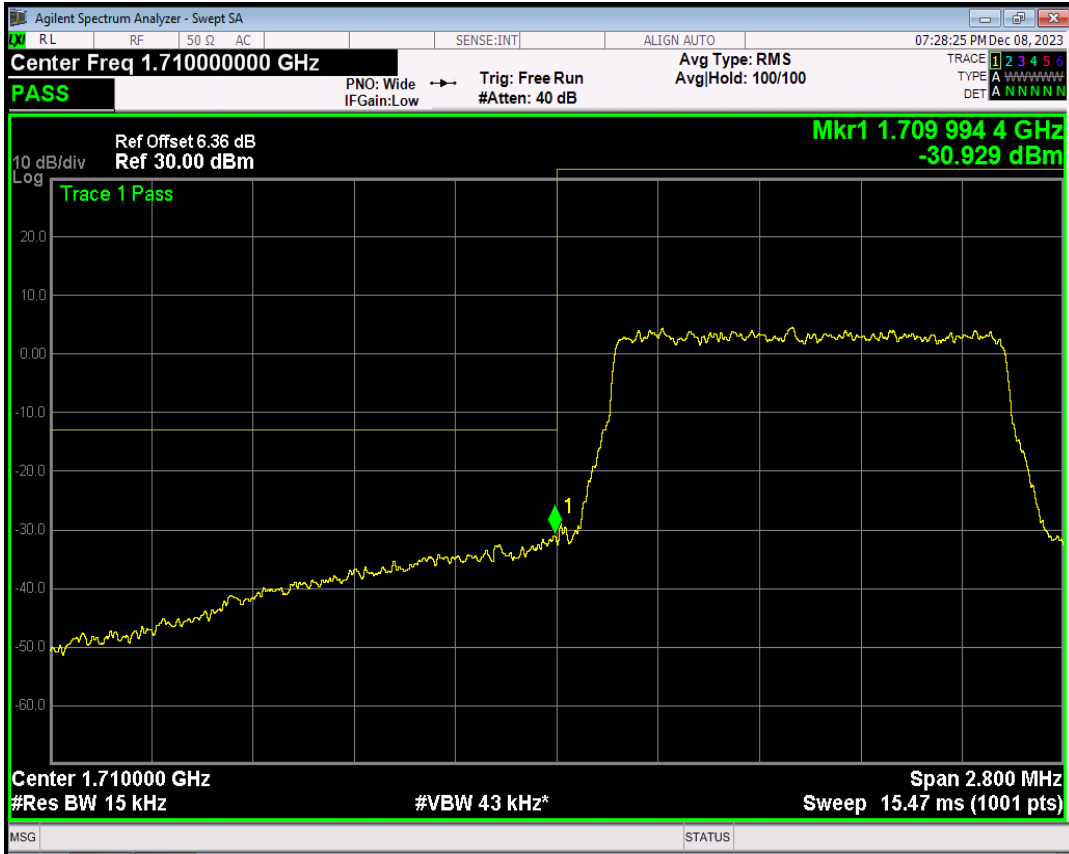
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



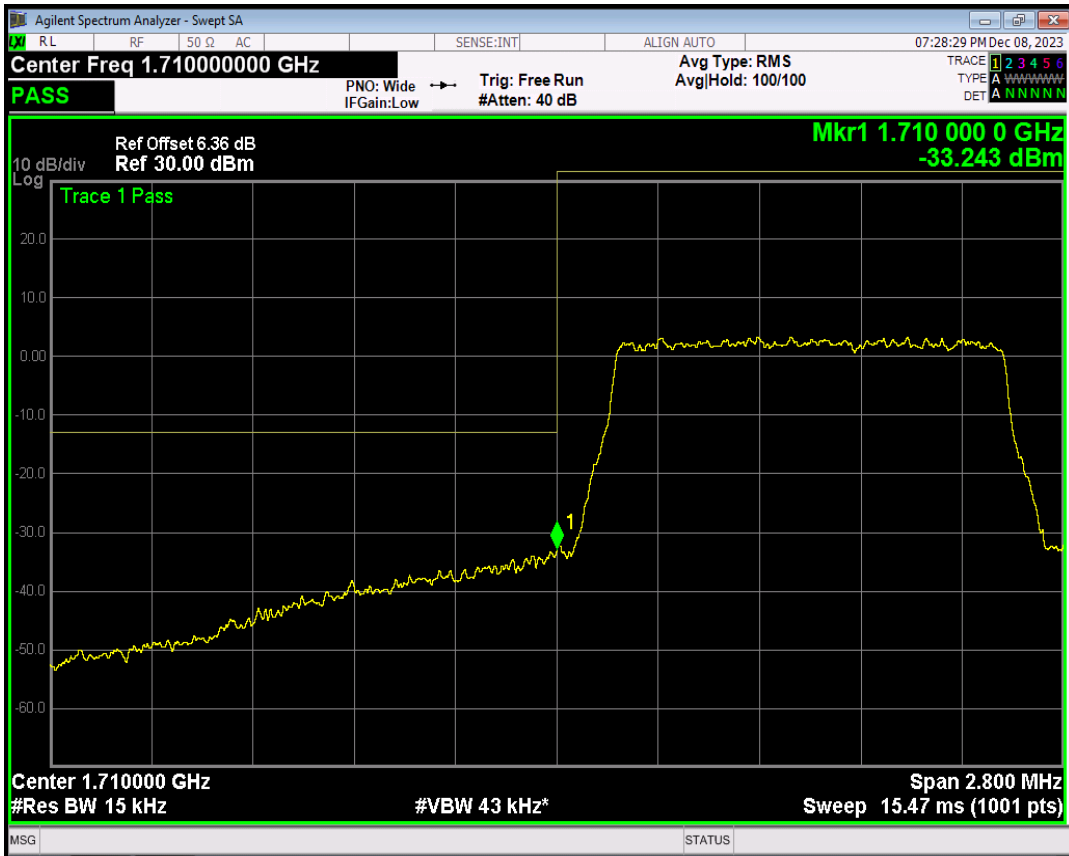
**Appendix 5. Band edge**

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	1709.99	-30.92	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-33.24	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.03	-31.05	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.02	-32.26	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-25.55	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-26.54	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-25.06	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-24.39	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.97	-29.16	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-30.67	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-28.98	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-29.29	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.82	-33.98	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-36.62	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.06	-27.68	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-27.57	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.94	-30.78	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.94	-36.24	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.87	-25.74	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.06	-28.63	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-34.36	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.76	-37.70	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.08	-29.25	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.60	-31.39	-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



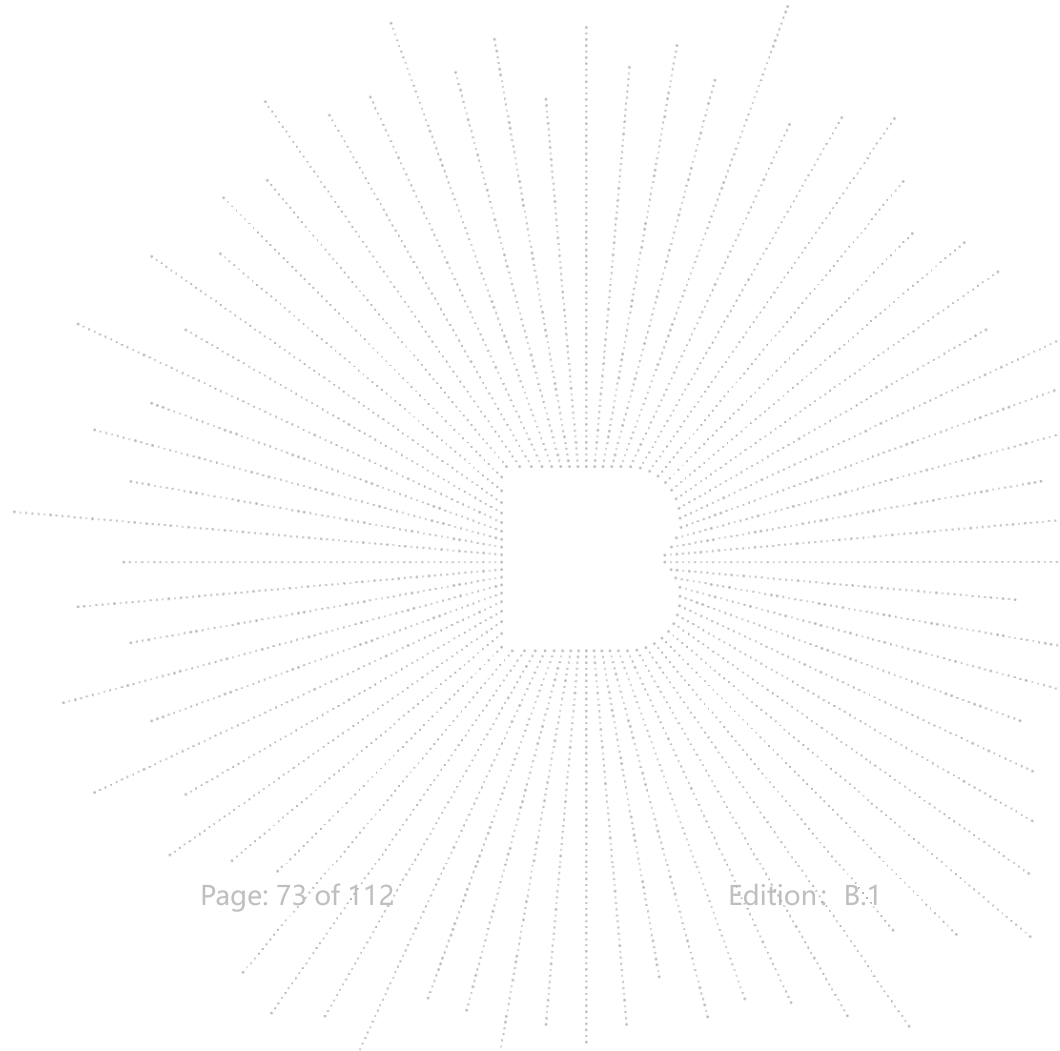


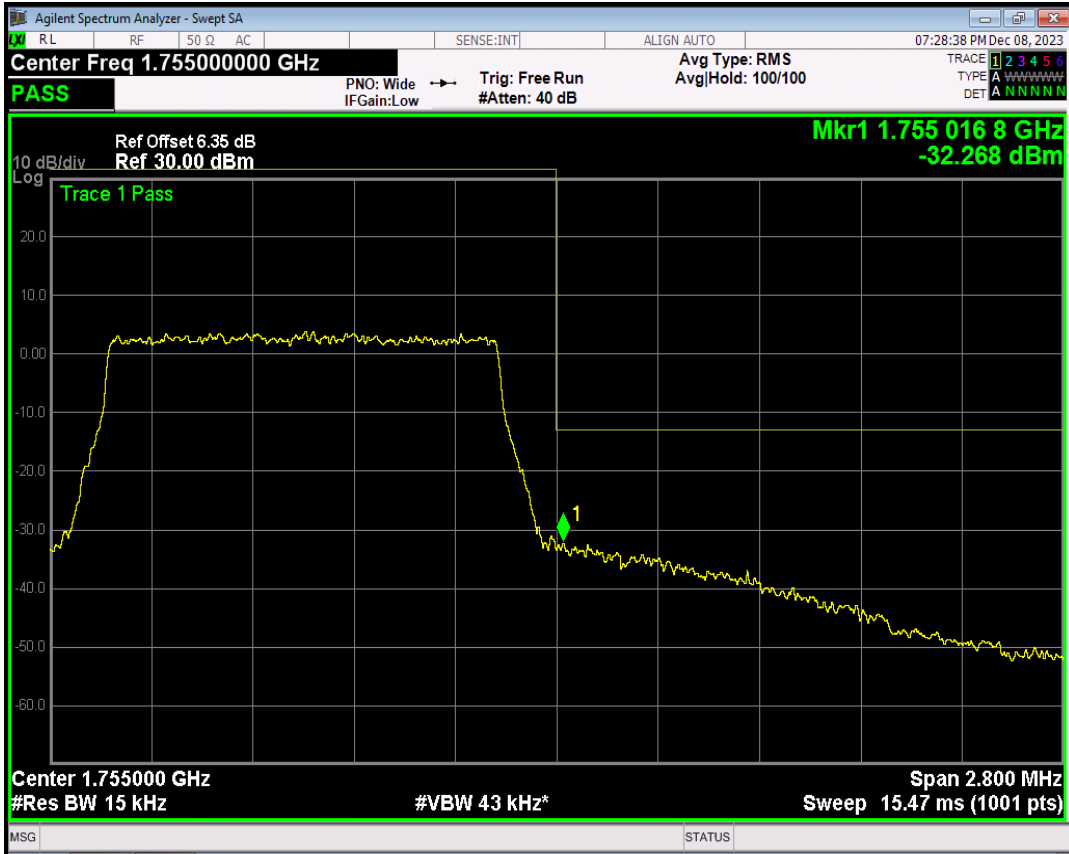


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

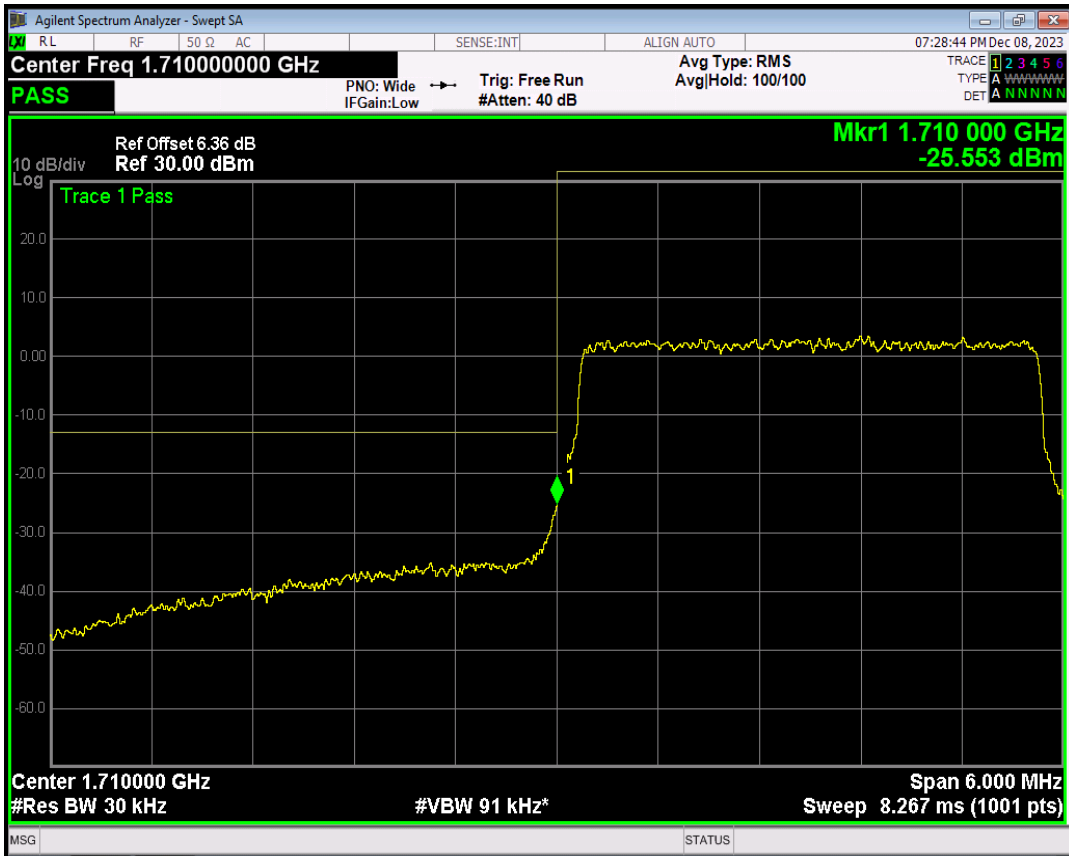


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



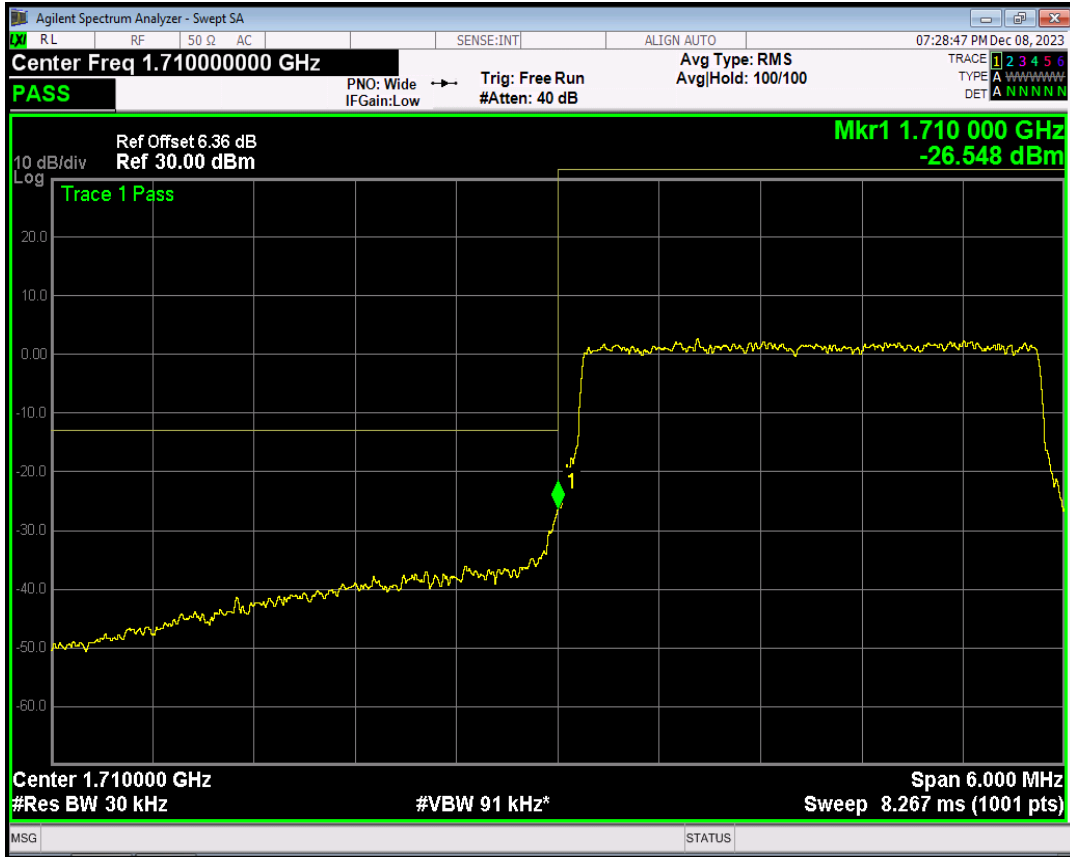


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

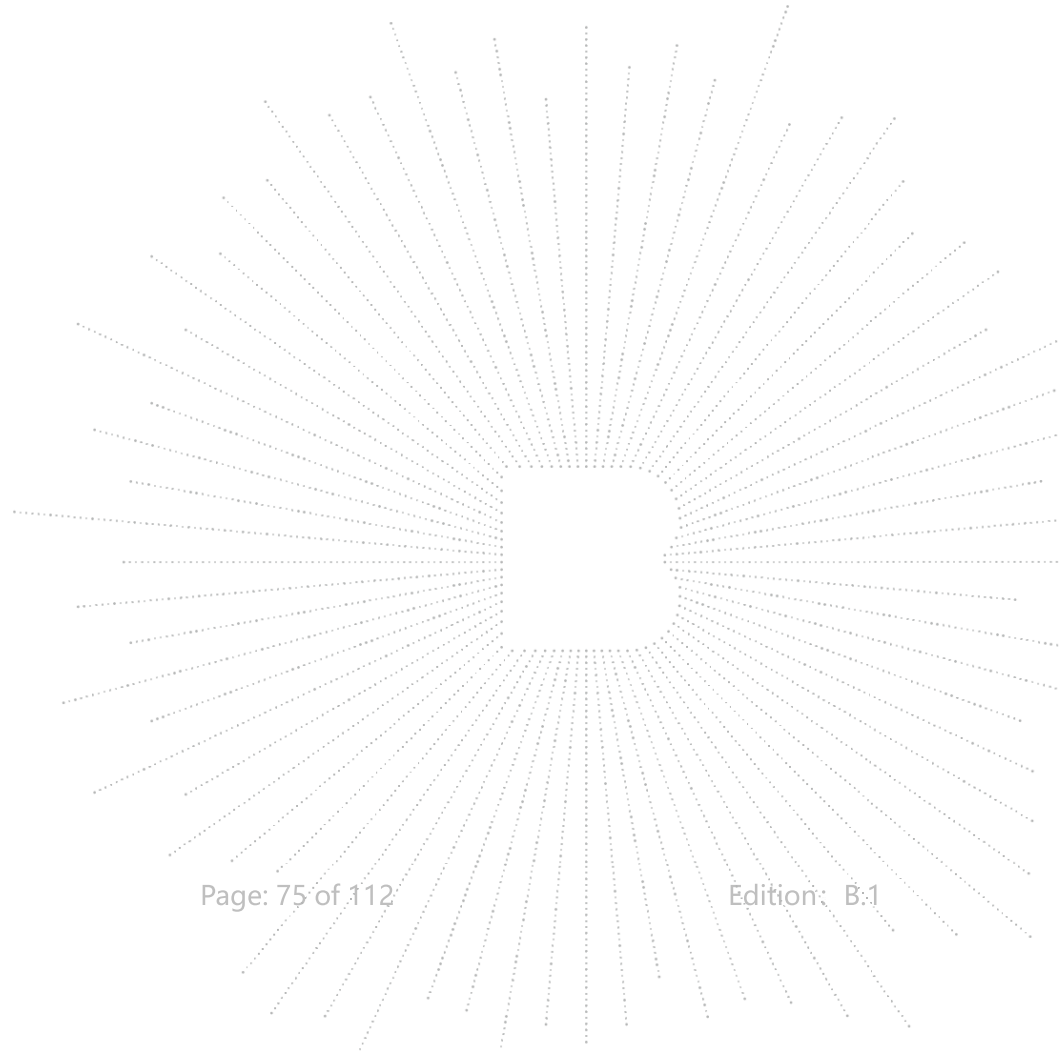


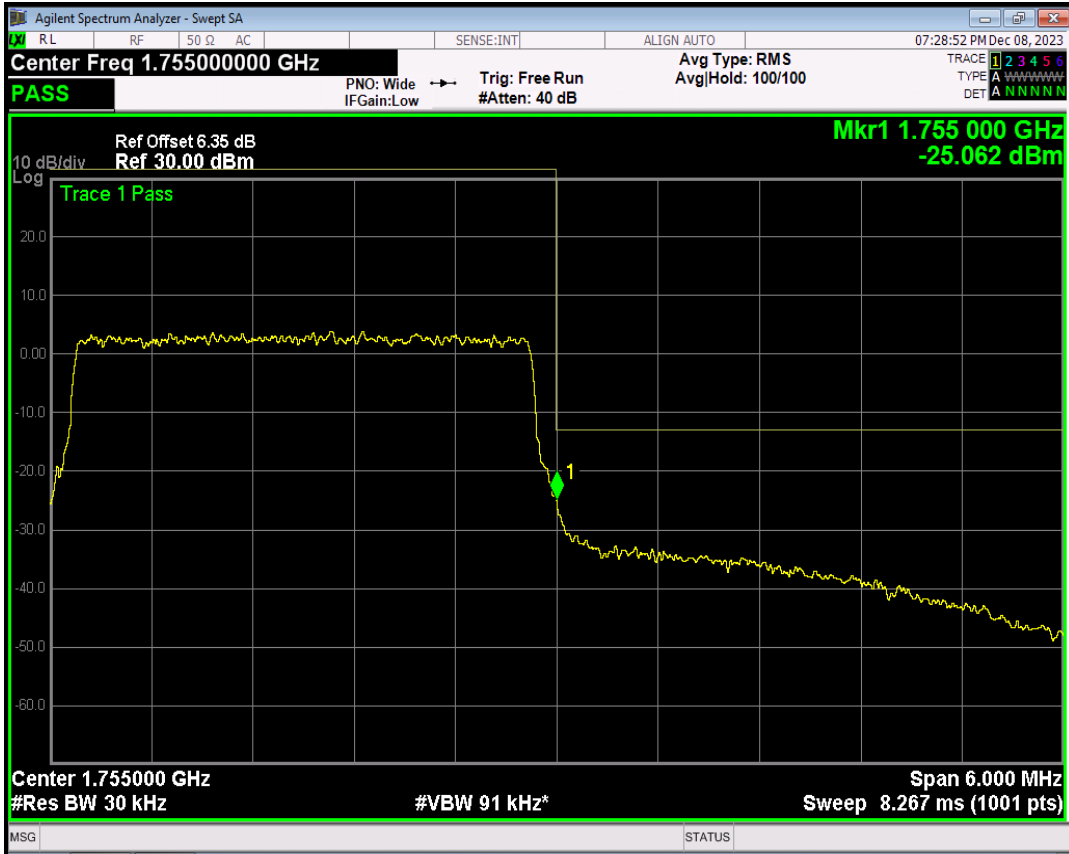


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

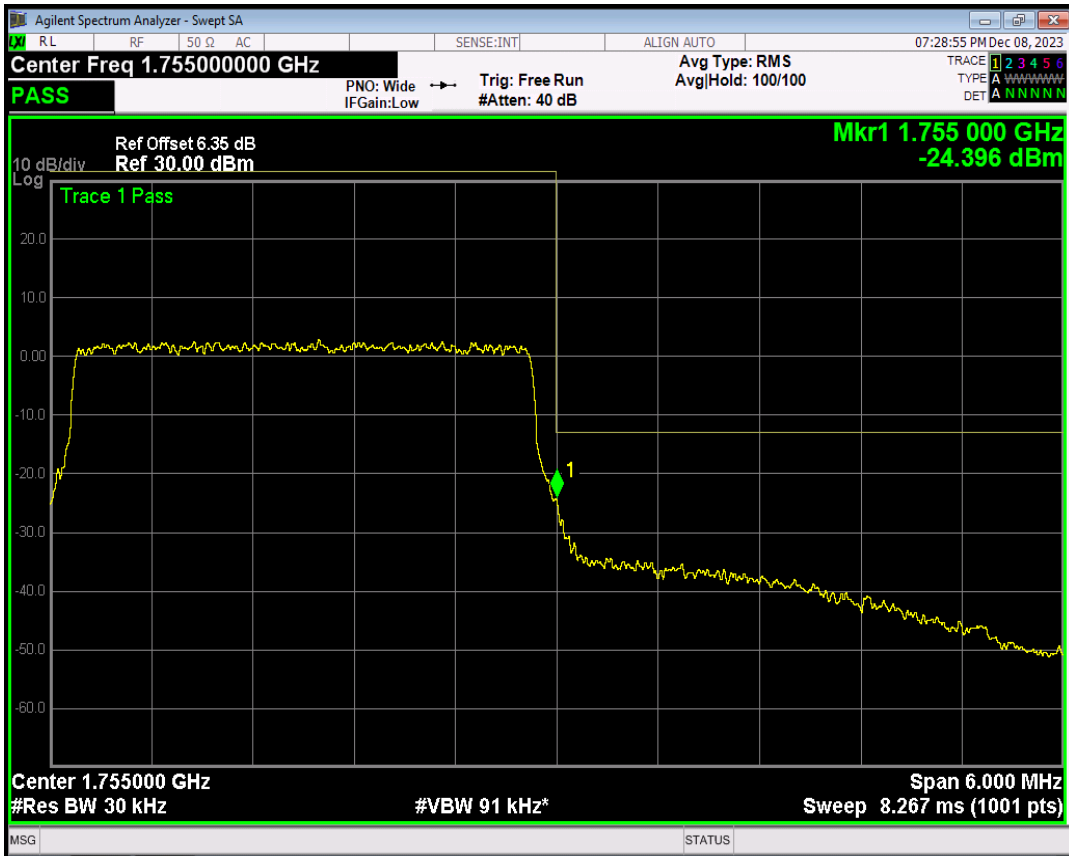


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



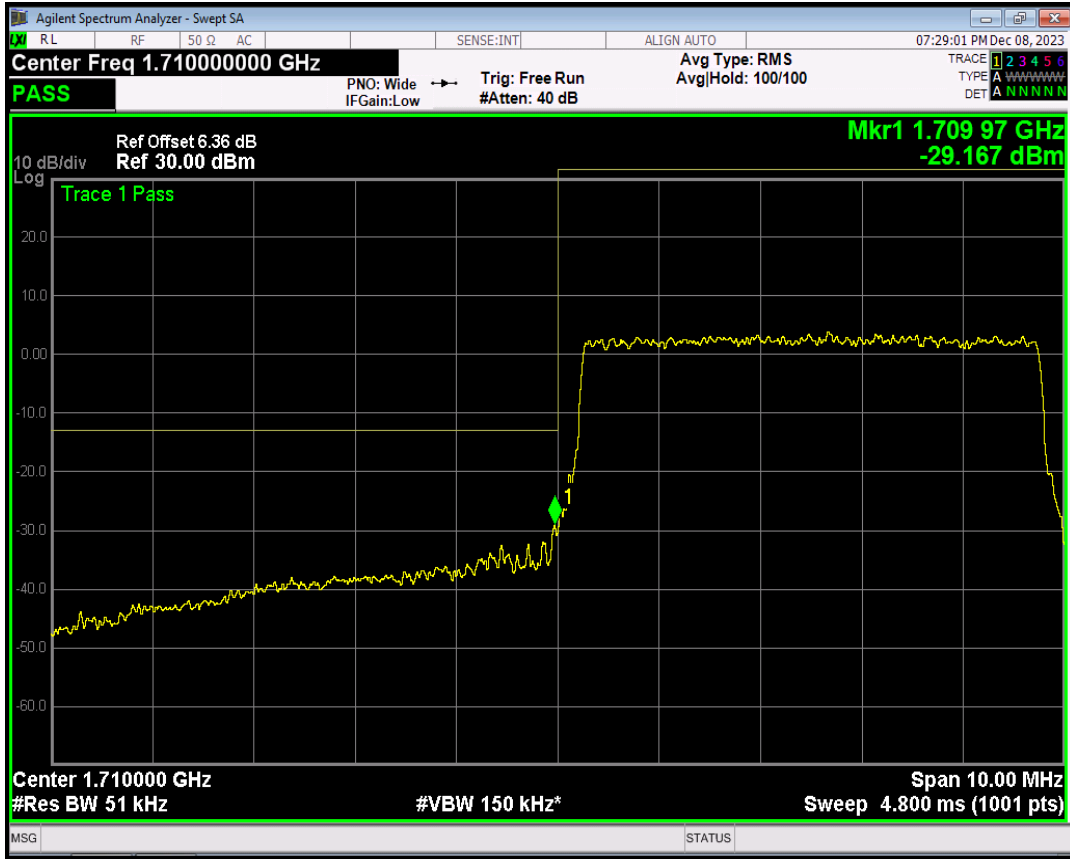


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

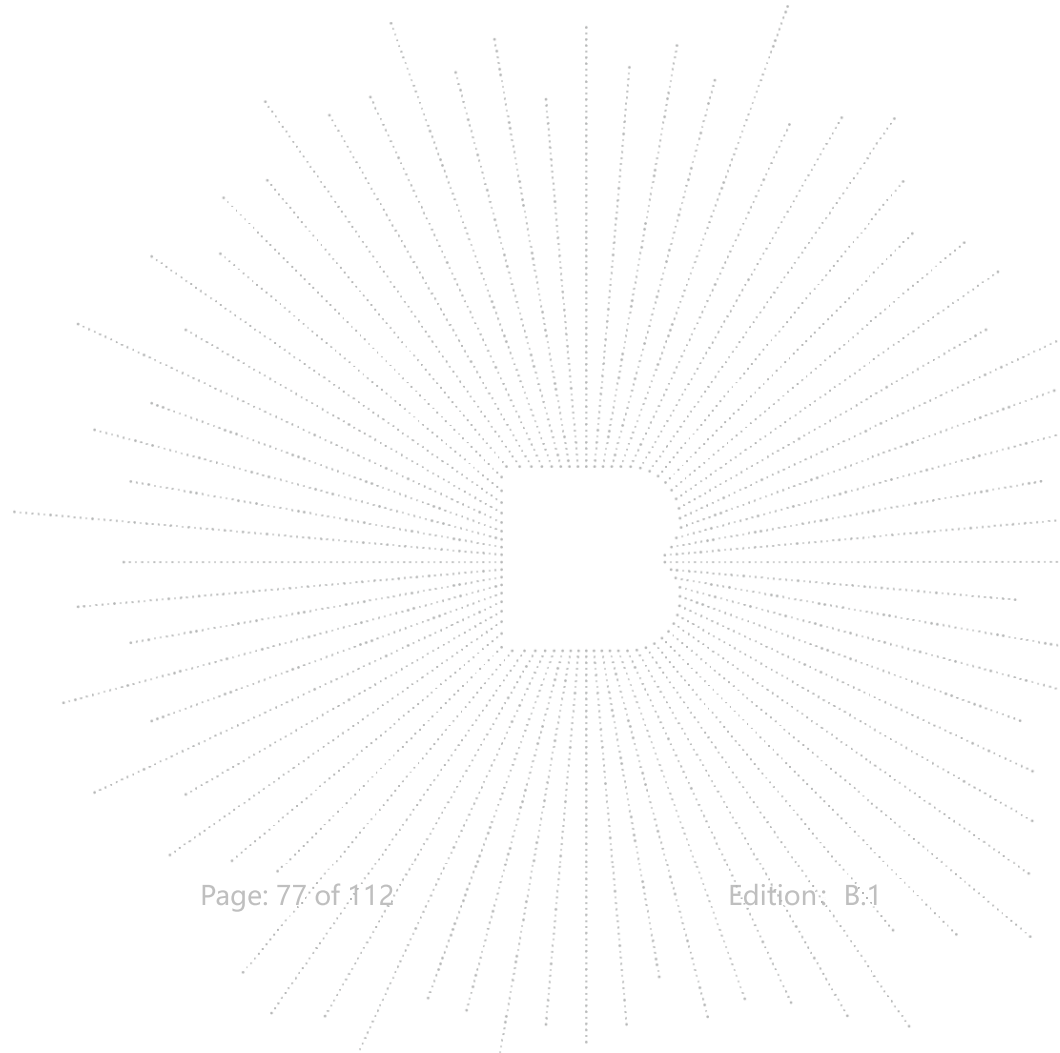


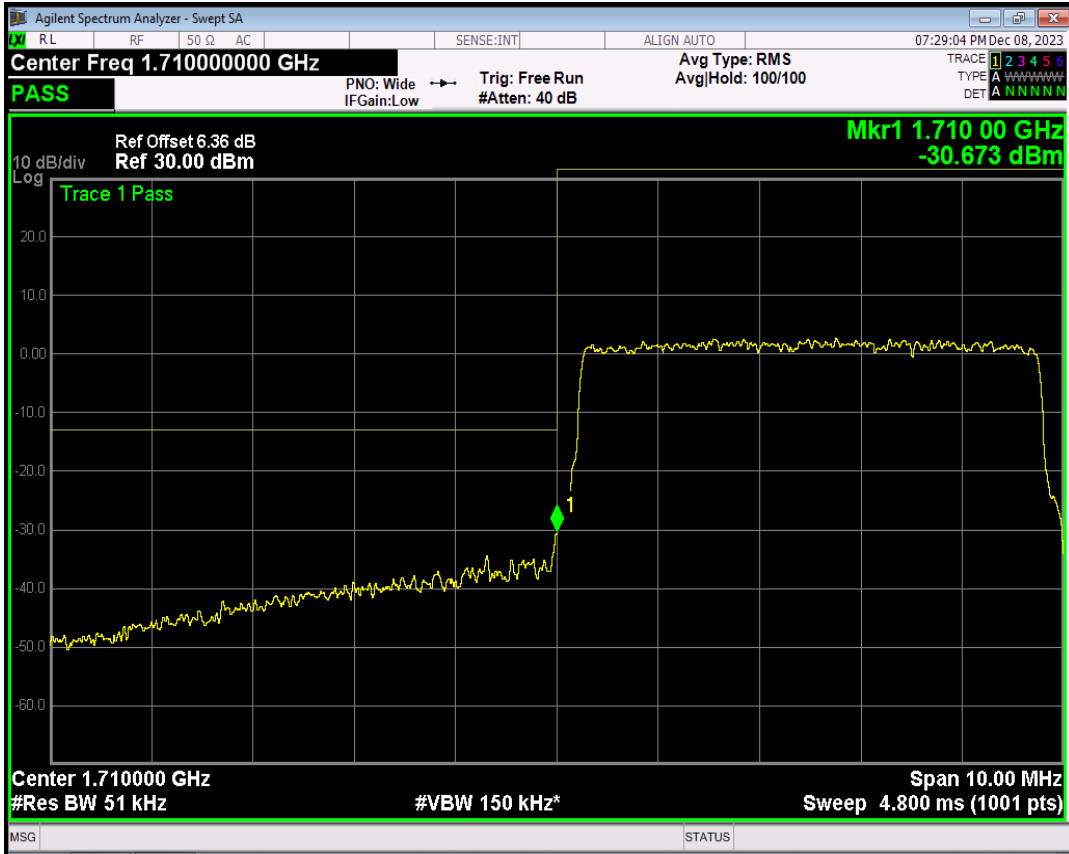


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

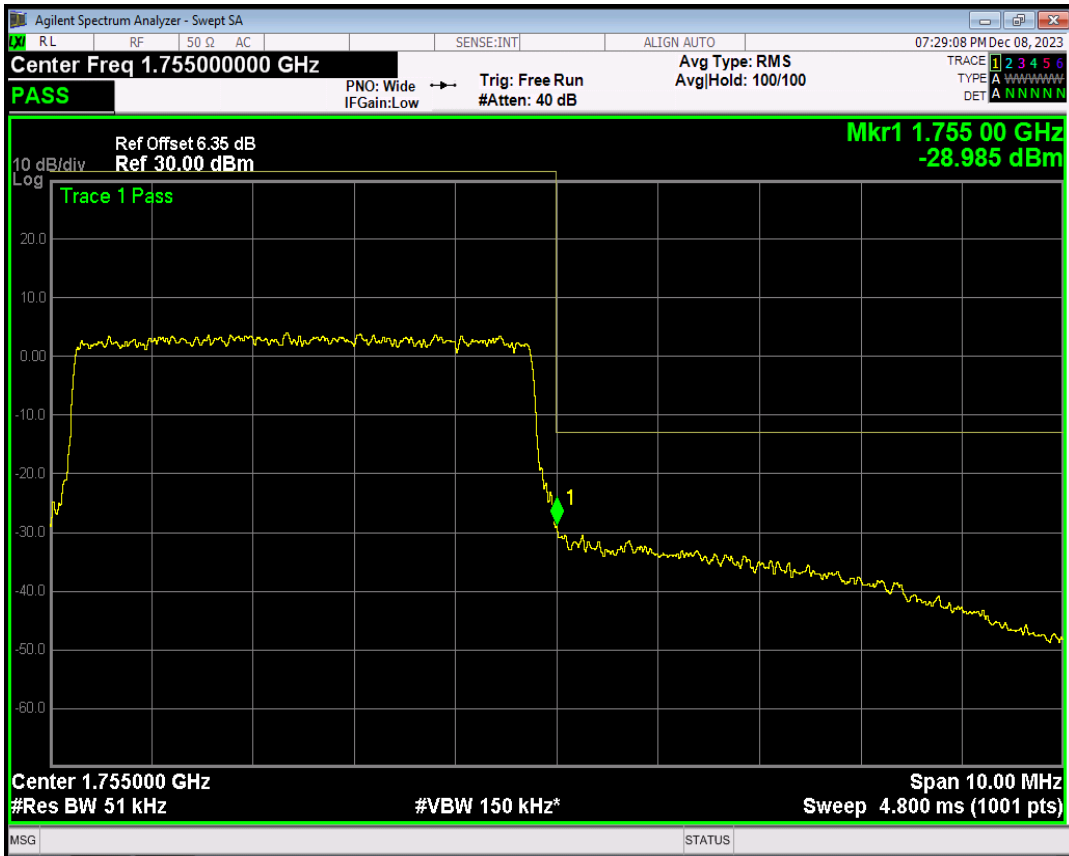


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



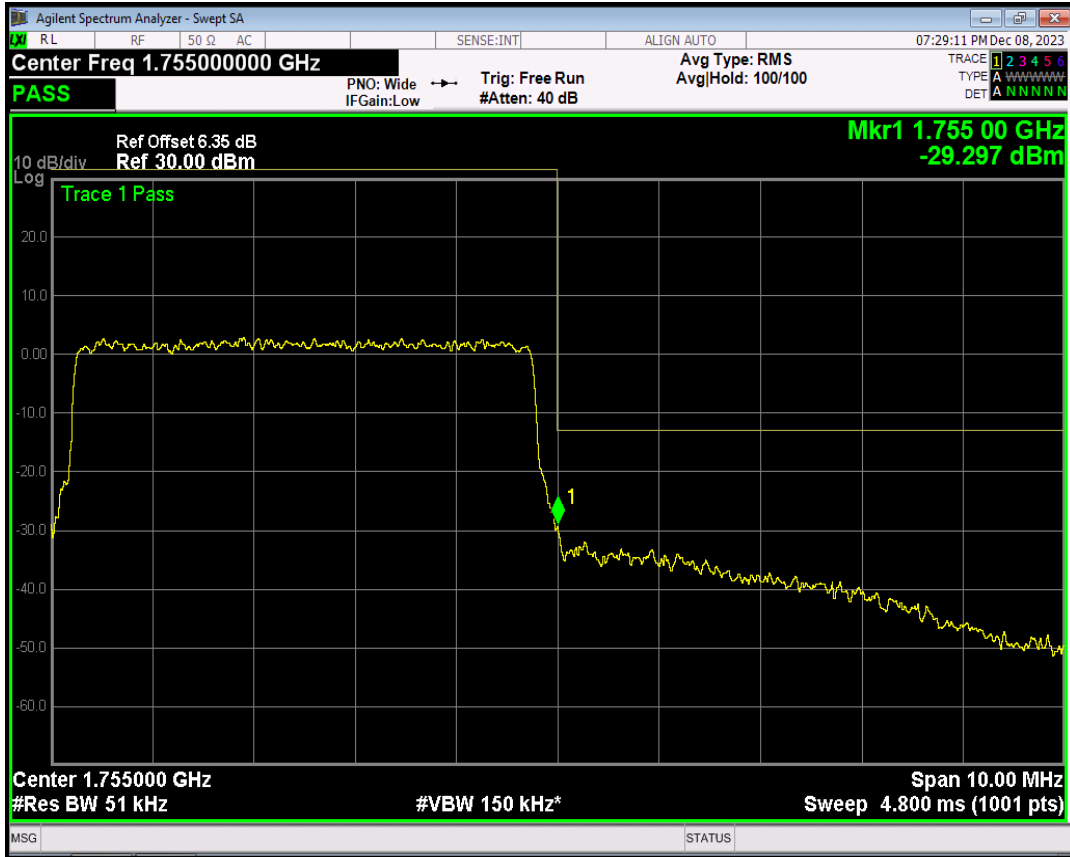


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

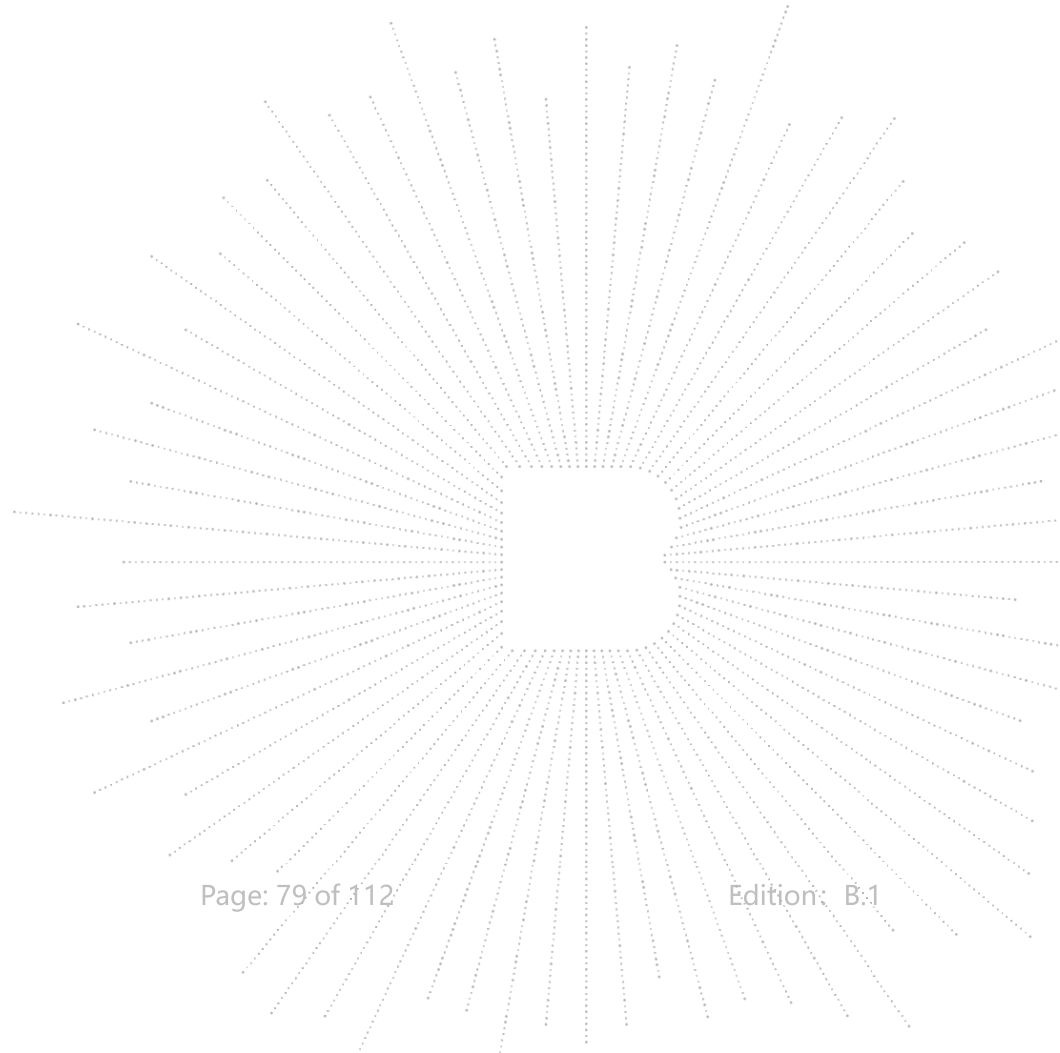


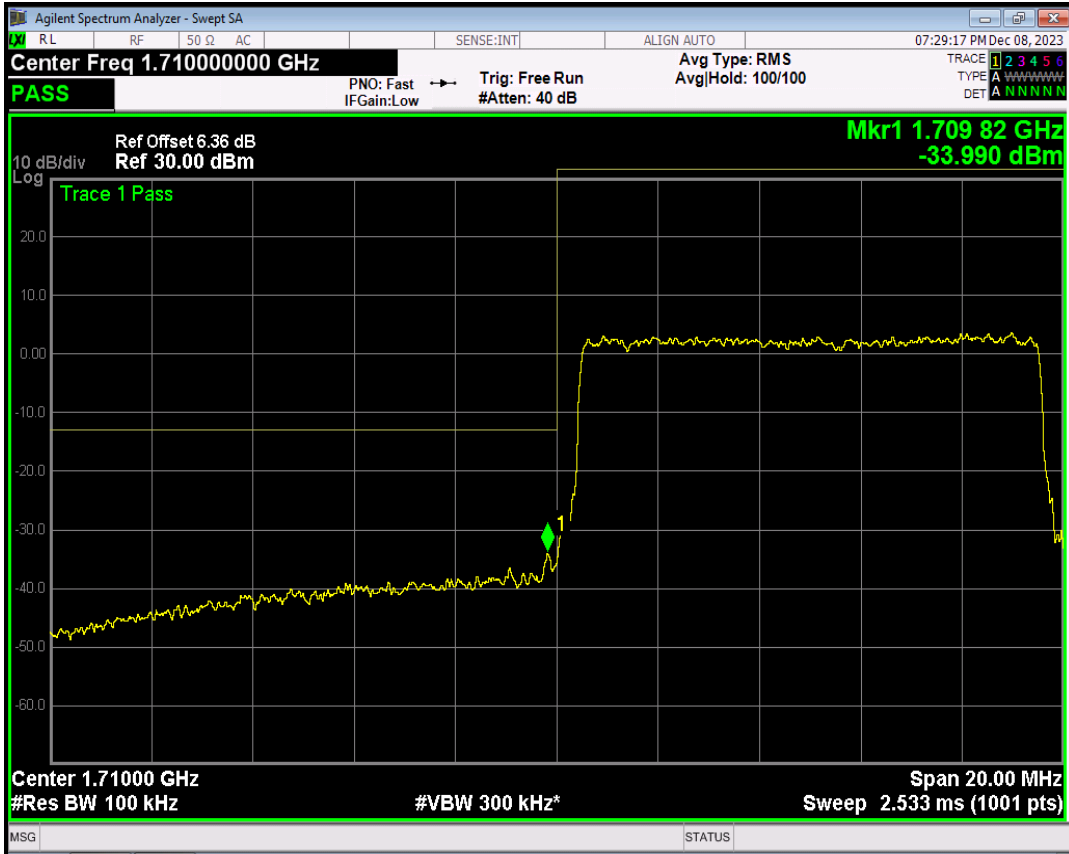


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

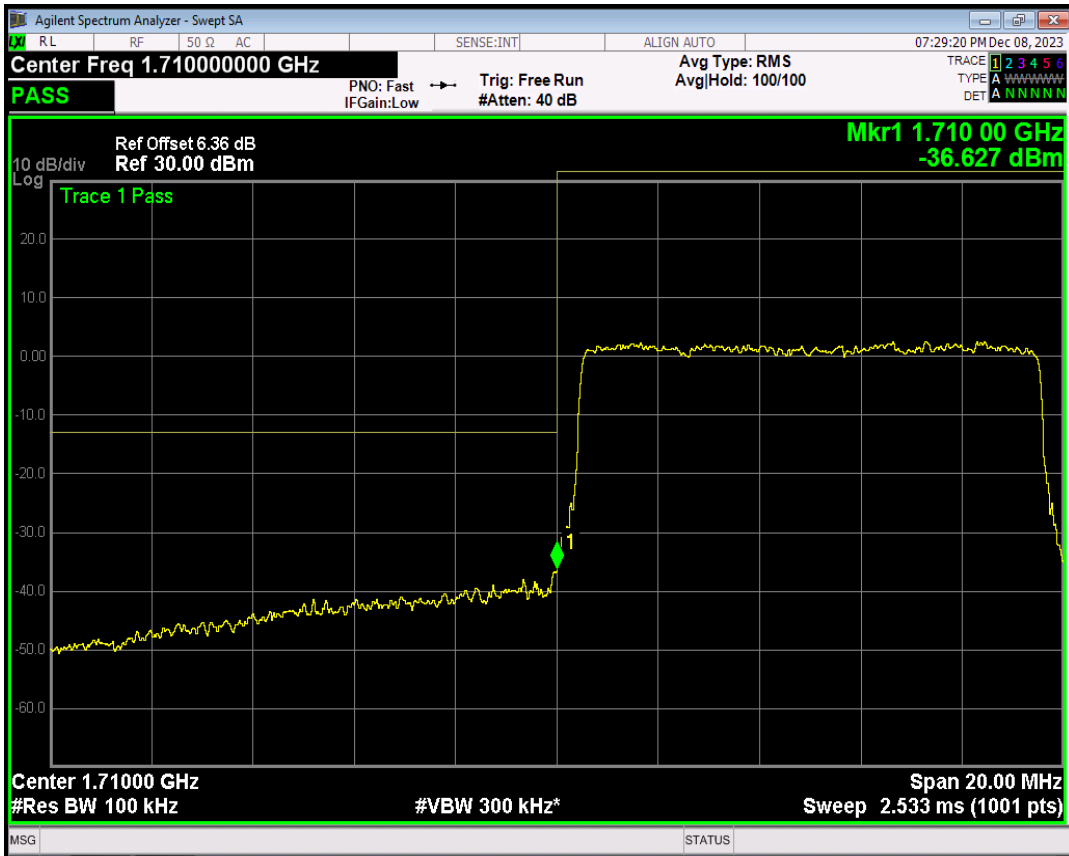


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0





Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

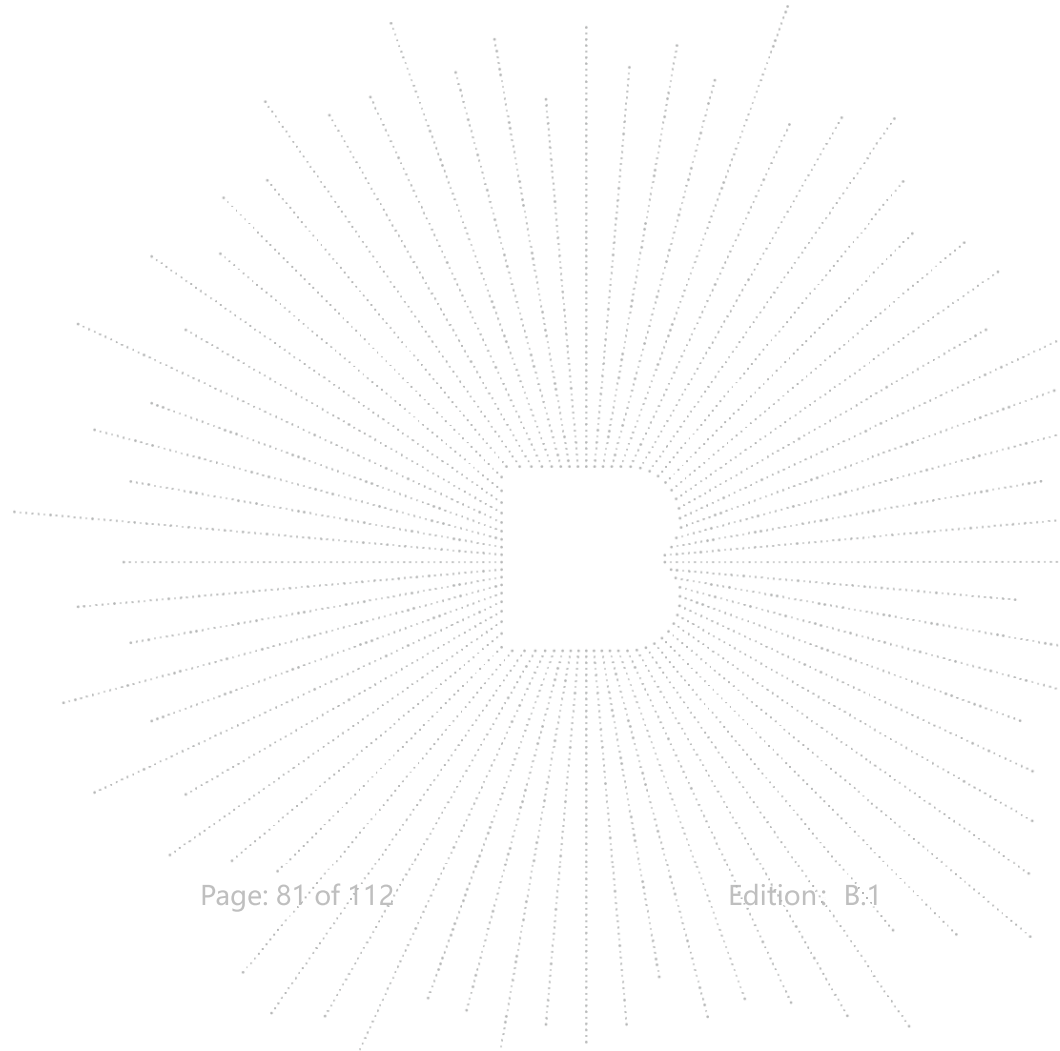


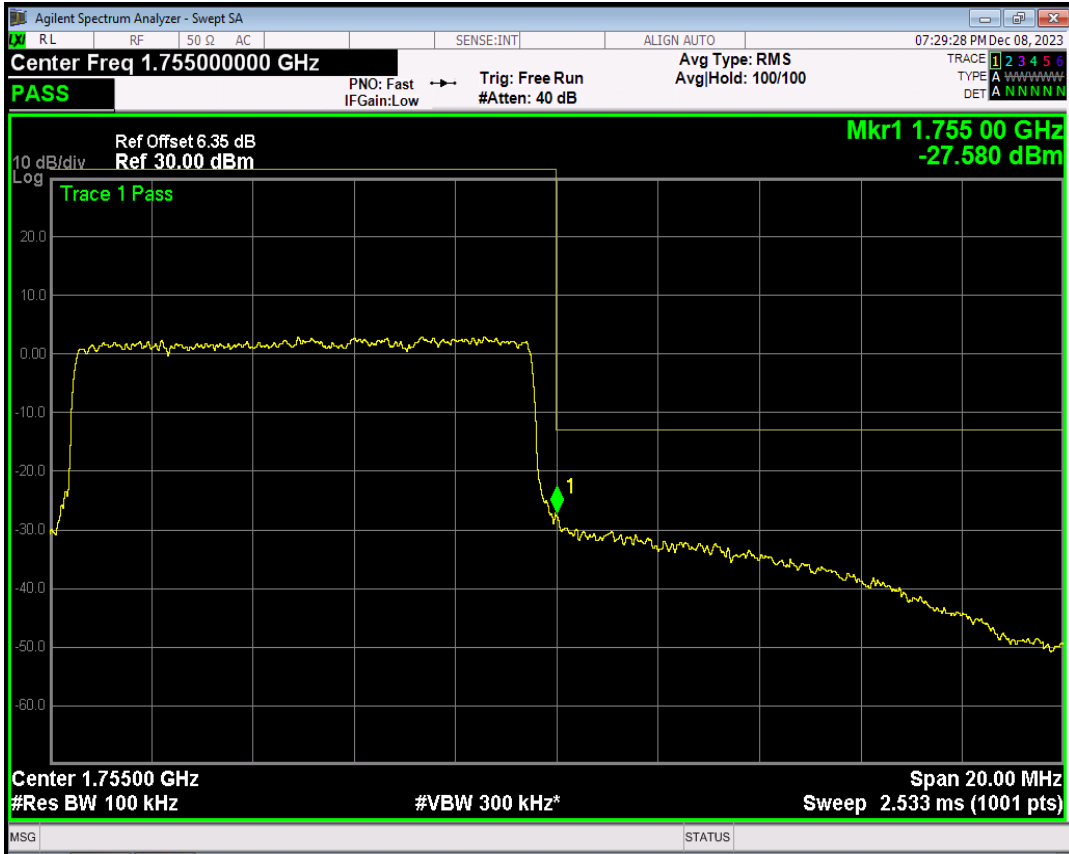


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

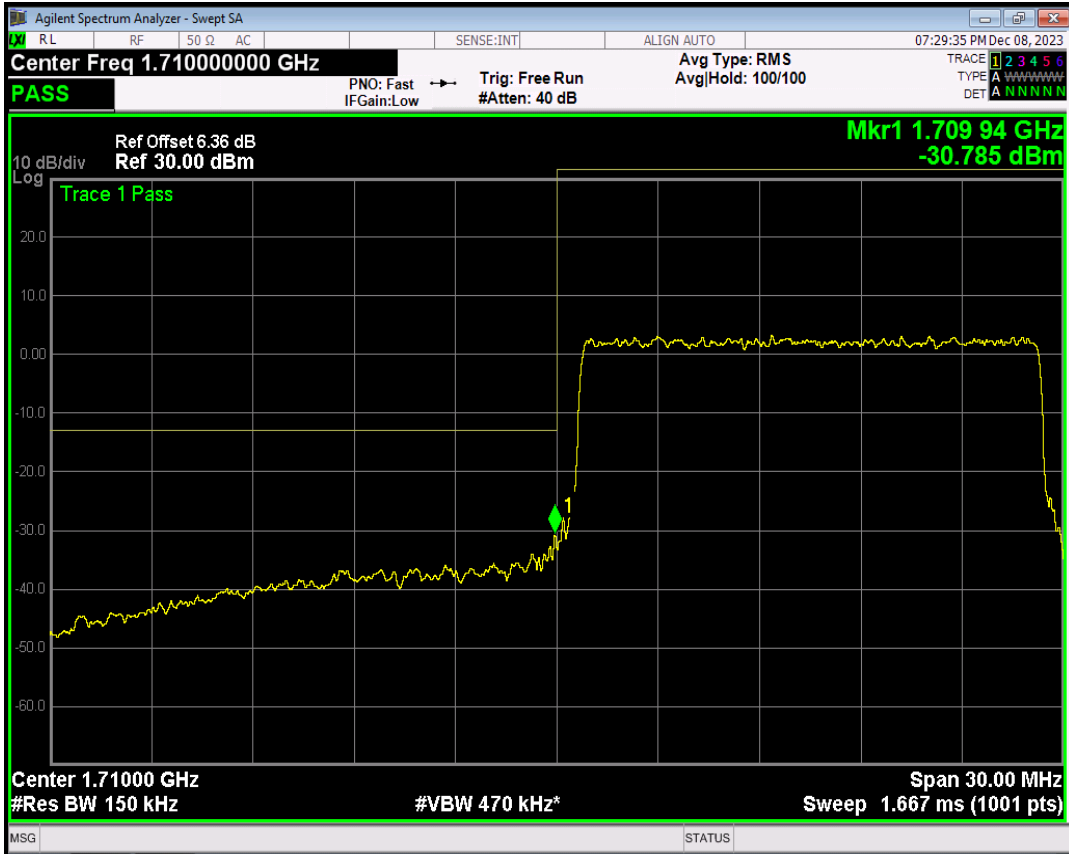


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



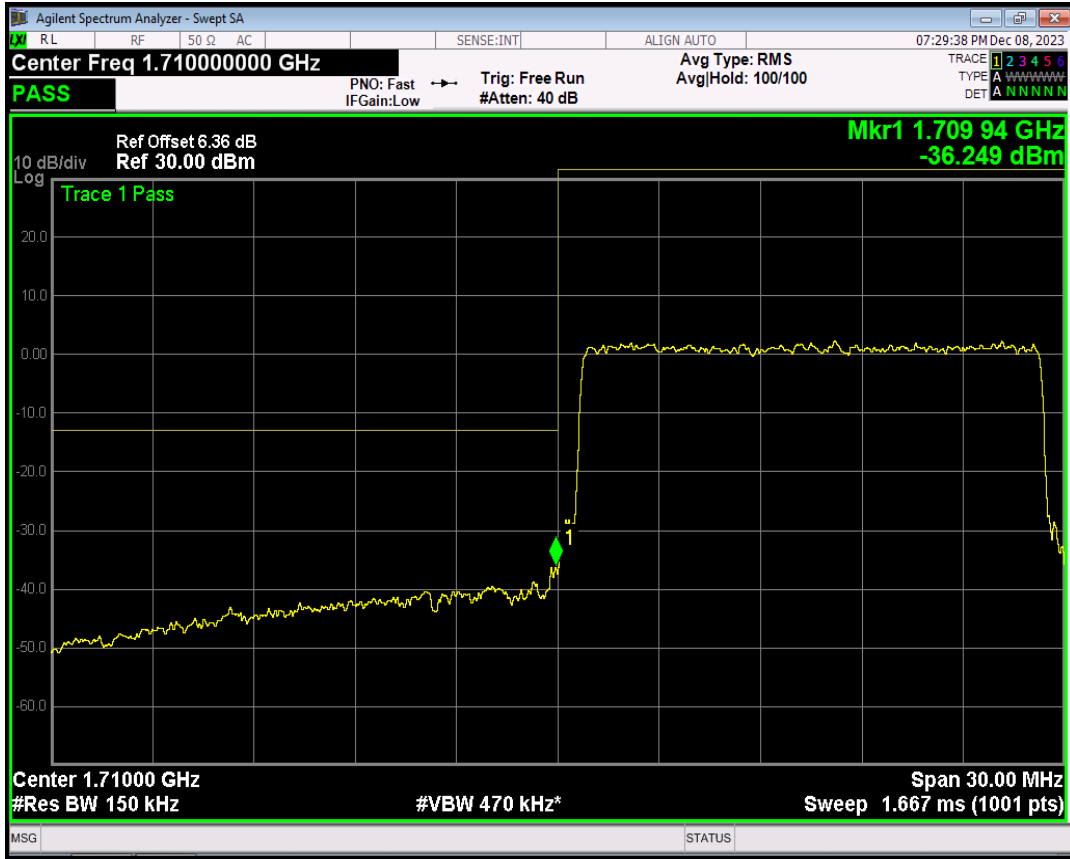


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

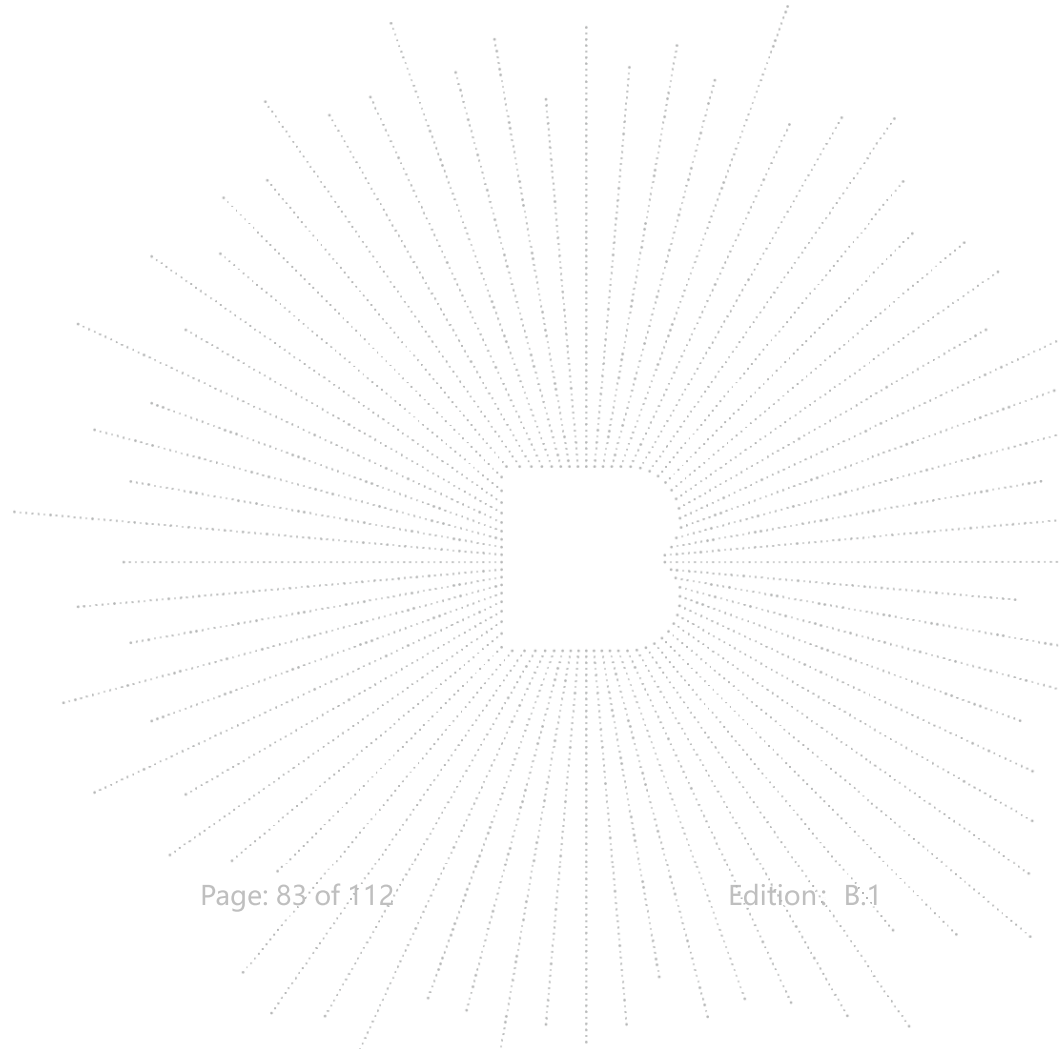


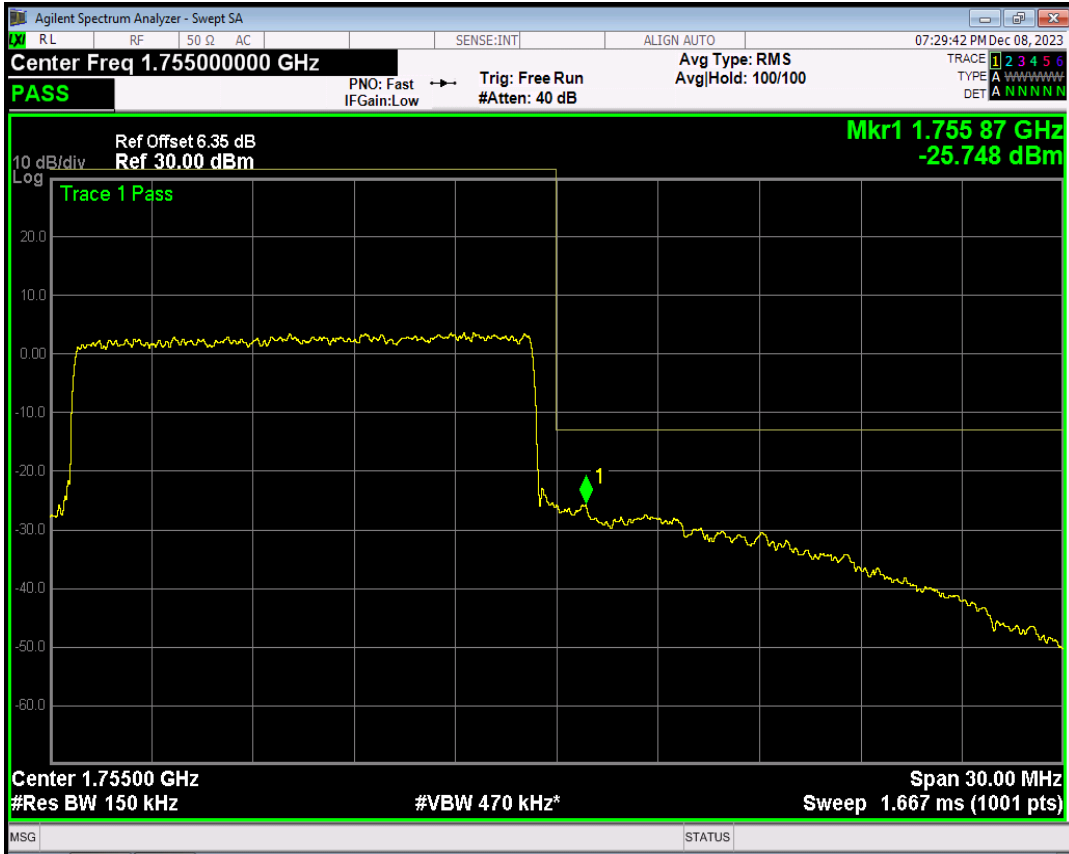


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



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



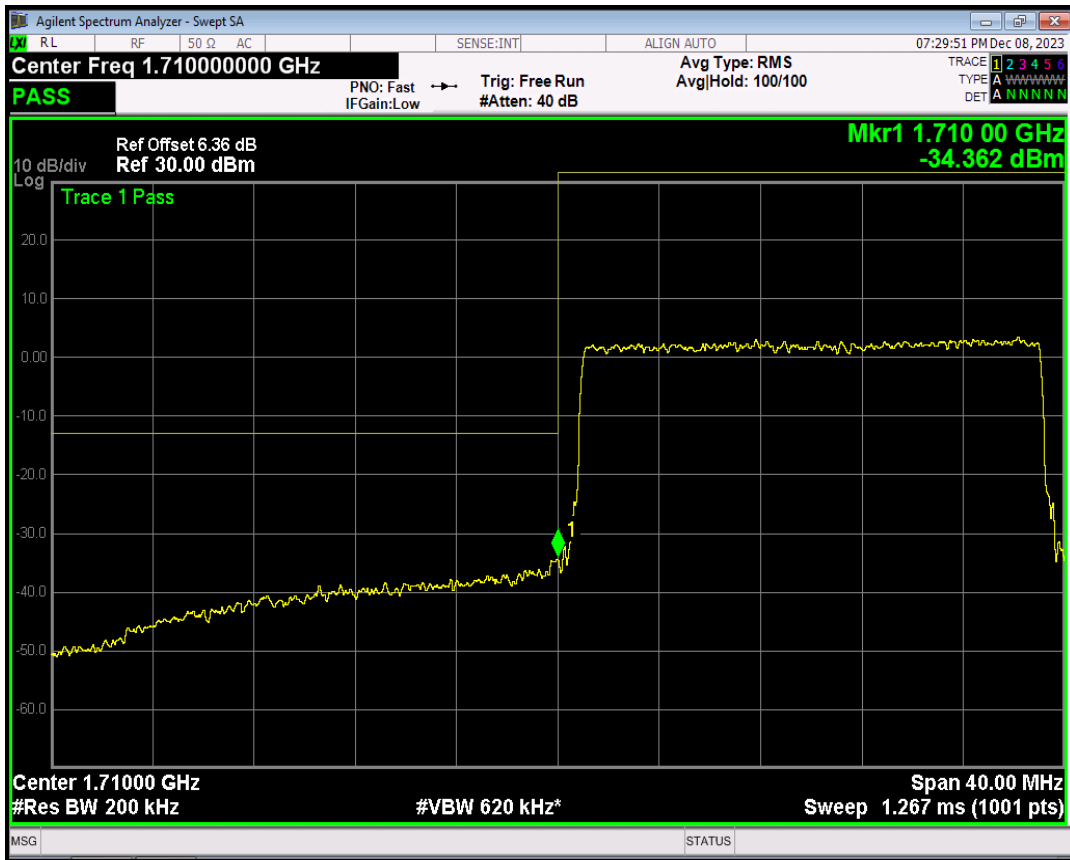


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

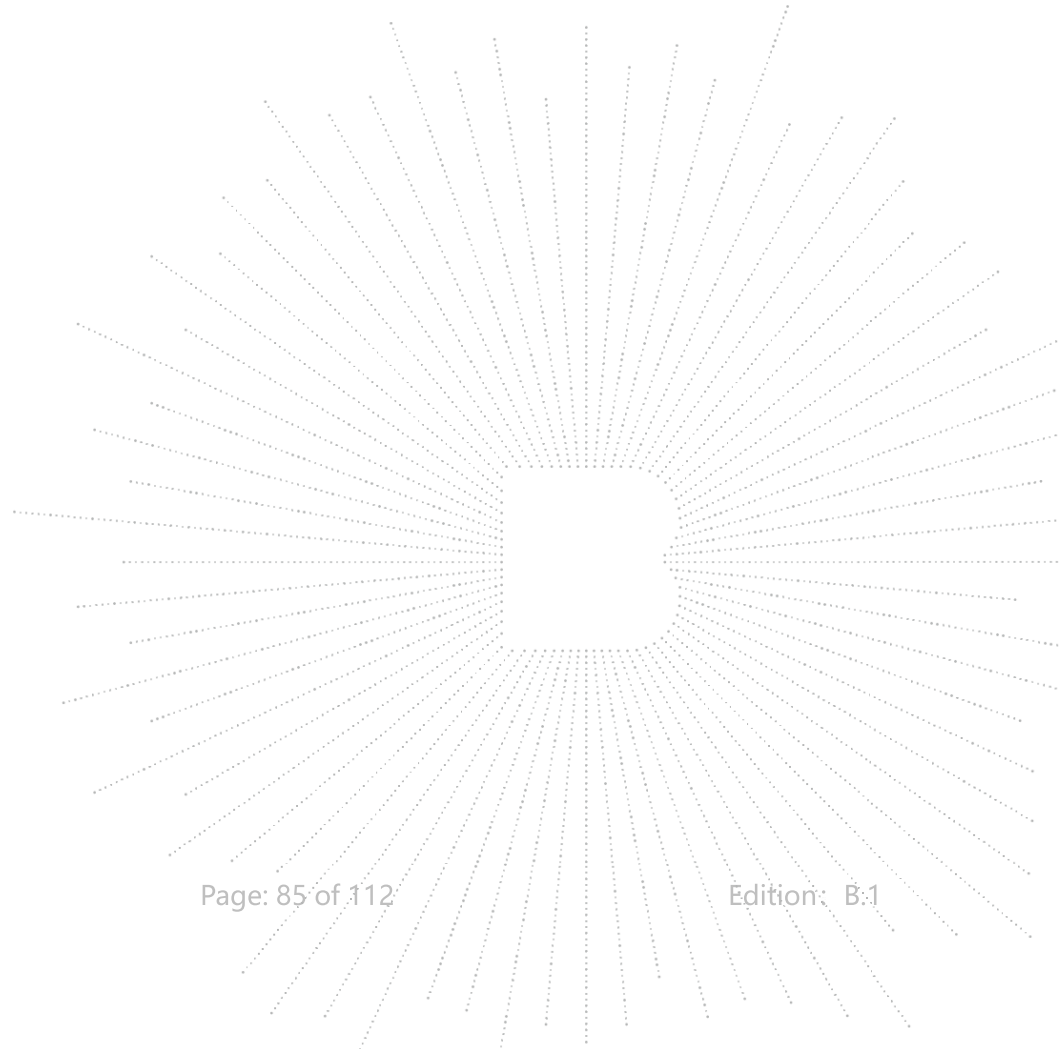


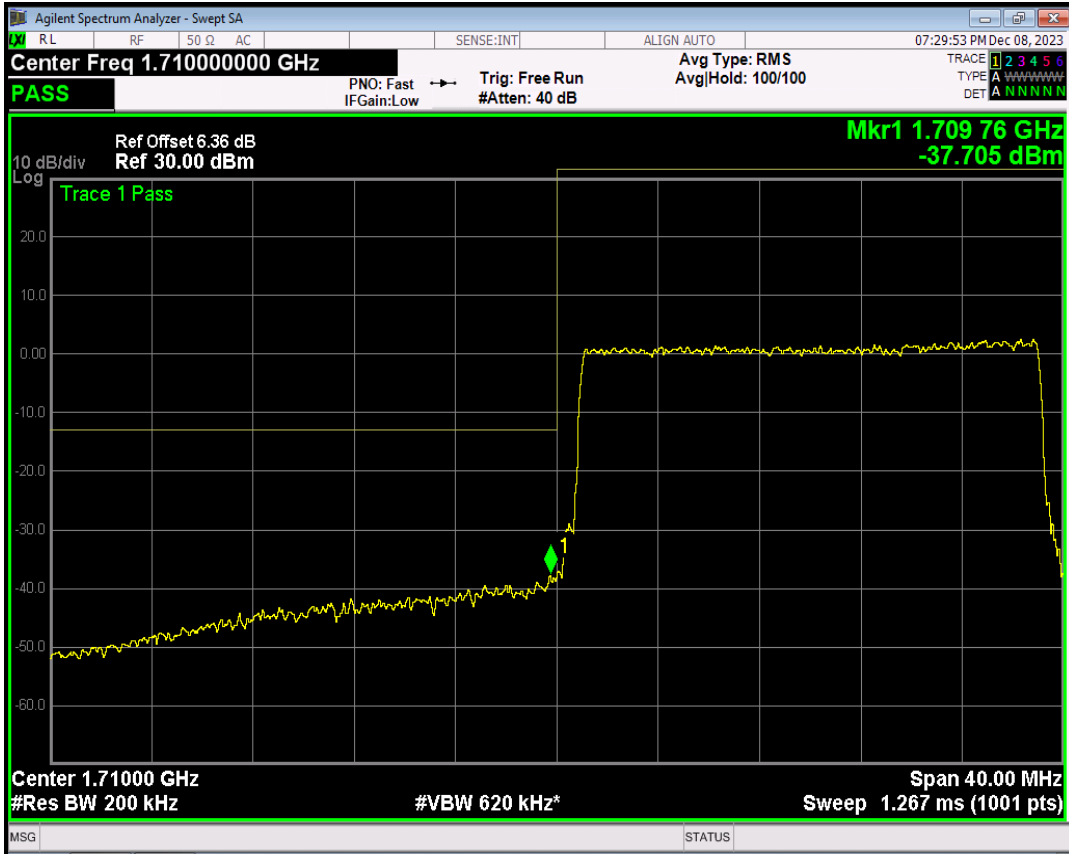


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

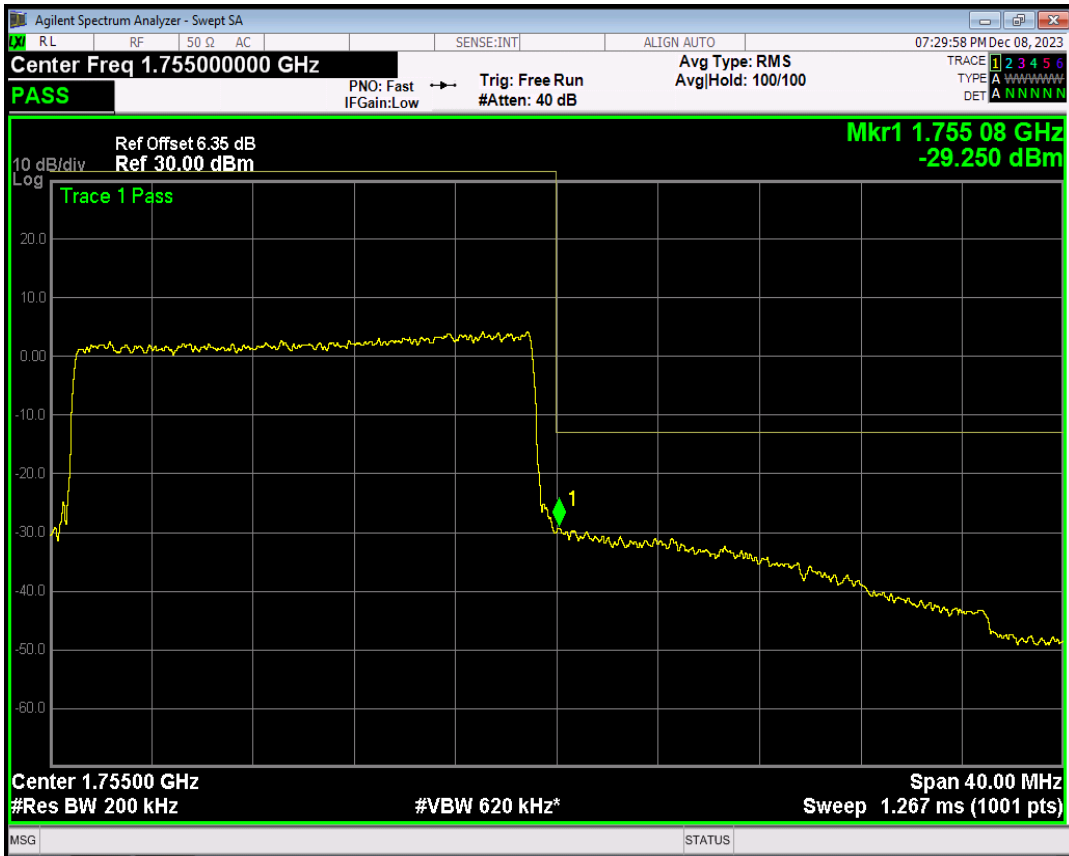


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



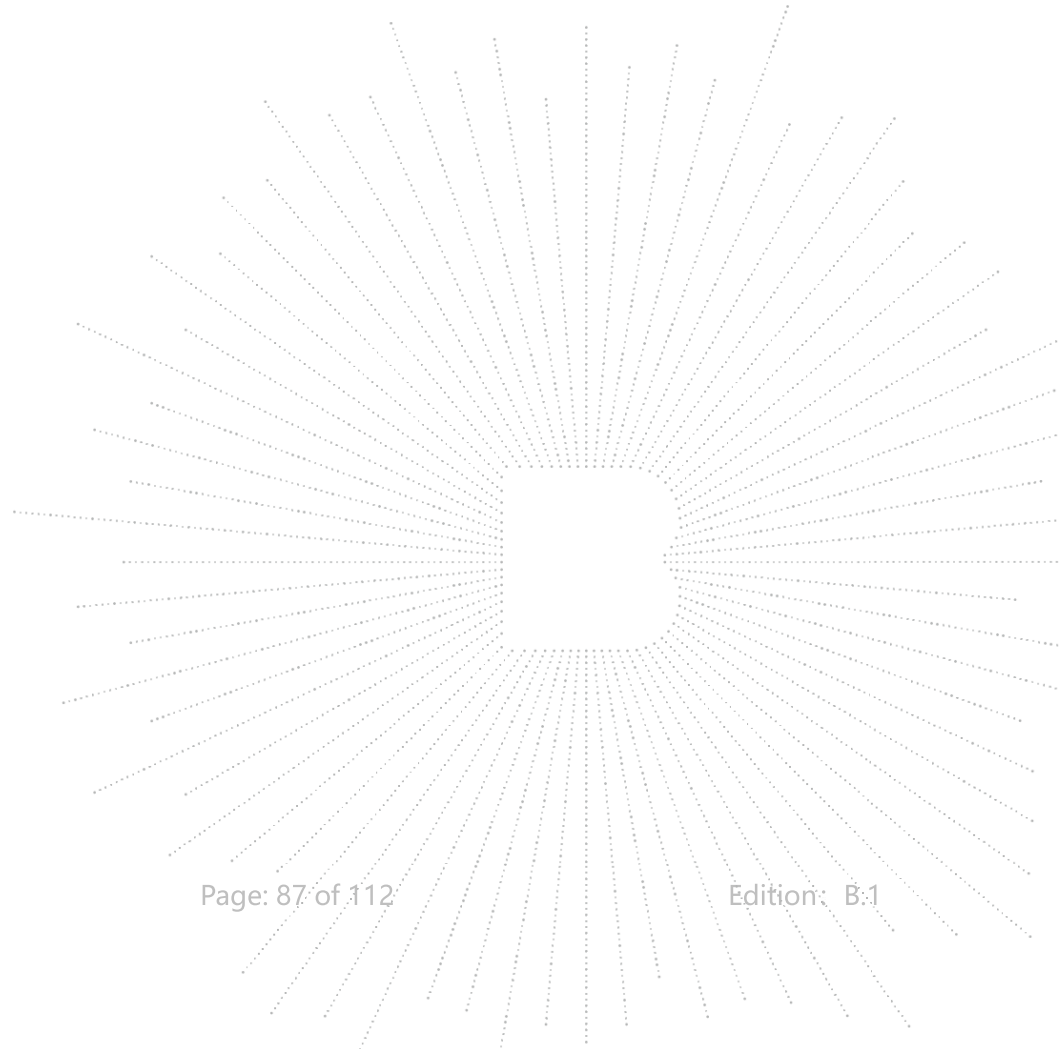


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0





Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



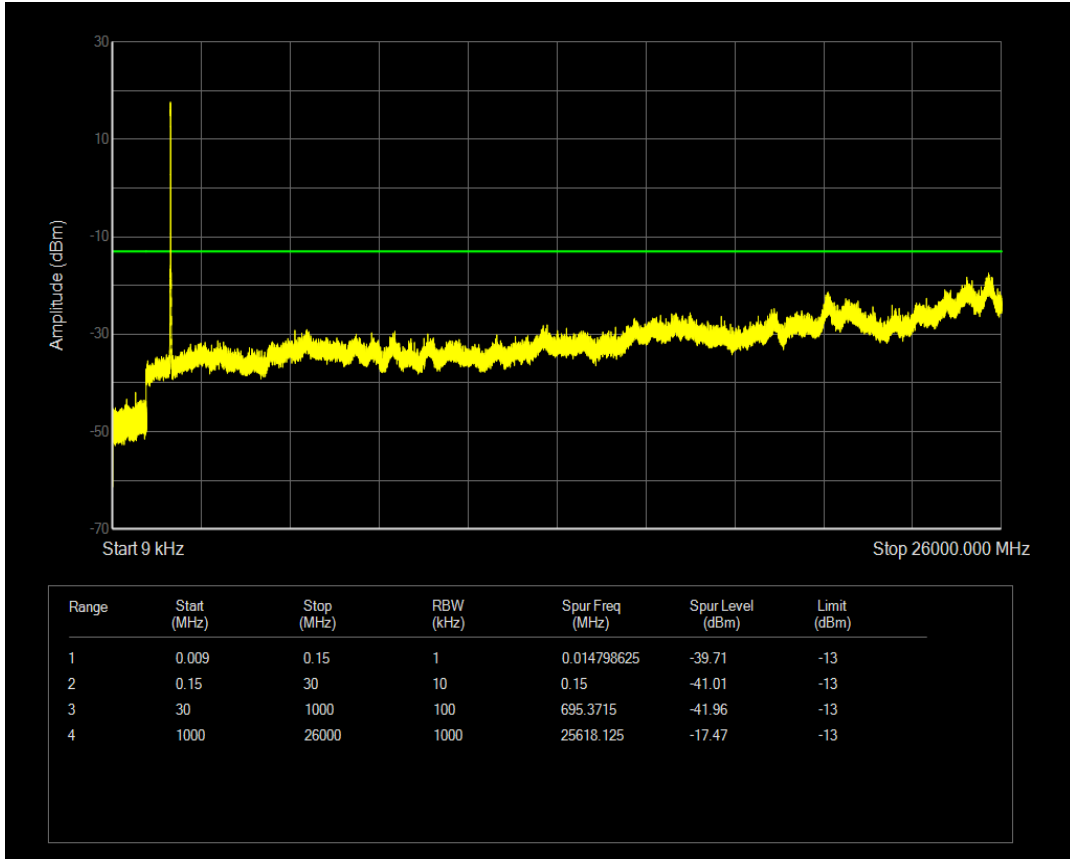
## Appendix 6. Out-of-band emissions

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	25746.25	-18.19	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25575.00	-17.87	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25670.00	-18.18	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25621.88	-18.37	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25626.25	-17.95	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25606.25	-17.07	-13	PASS
Band4	3	19965	15	#0	QPSK	25524.38	-17.66	-13	PASS
Band4	3	19965	15	#0	16QAM	25615.63	-16.56	-13	PASS
Band4	3	20175	15	#0	QPSK	25687.50	-18.01	-13	PASS
Band4	3	20175	15	#0	16QAM	25624.38	-17.45	-13	PASS
Band4	3	20385	15	#0	QPSK	25635.63	-17.49	-13	PASS
Band4	3	20385	15	#0	16QAM	25623.13	-17.00	-13	PASS
Band4	5	19975	25	#0	QPSK	25623.75	-17.02	-13	PASS
Band4	5	19975	25	#0	16QAM	25598.13	-17.03	-13	PASS
Band4	5	20175	25	#0	QPSK	25686.25	-18.07	-13	PASS
Band4	5	20175	25	#0	16QAM	25632.5	-17.43	-13	PASS
Band4	5	20375	25	#0	QPSK	25649.38	-16.58	-13	PASS
Band4	5	20375	25	#0	16QAM	25553.13	-16.31	-13	PASS
Band4	10	20000	50	#0	QPSK	25633.13	-18.21	-13	PASS
Band4	10	20000	50	#0	16QAM	25693.75	-17.37	-13	PASS
Band4	10	20175	50	#0	QPSK	25577.50	-17.40	-13	PASS
Band4	10	20175	50	#0	16QAM	25639.38	-17.73	-13	PASS
Band4	10	20350	50	#0	QPSK	25605.00	-16.39	-13	PASS
Band4	10	20350	50	#0	16QAM	25566.25	-17.80	-13	PASS
Band4	15	20025	75	#0	QPSK	25618.13	-17.47	-13	PASS
Band4	15	20025	75	#0	16QAM	25606.88	-17.64	-13	PASS
Band4	15	20175	75	#0	QPSK	25620.63	-18.17	-13	PASS
Band4	15	20175	75	#0	16QAM	25585.00	-17.99	-13	PASS
Band4	15	20325	75	#0	QPSK	25605.63	-17.95	-13	PASS
Band4	15	20325	75	#0	16QAM	25620.63	-17.03	-13	PASS
Band4	20	20050	100	#0	QPSK	25720.00	-17.32	-13	PASS
Band4	20	20050	100	#0	16QAM	25631.88	-17.60	-13	PASS
Band4	20	20175	100	#0	QPSK	25695.00	-18.01	-13	PASS
Band4	20	20175	100	#0	16QAM	25676.88	-17.59	-13	PASS
Band4	20	20300	100	#0	QPSK	25033.75	-18.06	-13	PASS
Band4	20	20300	100	#0	16QAM	25640.00	-17.61	-13	PASS

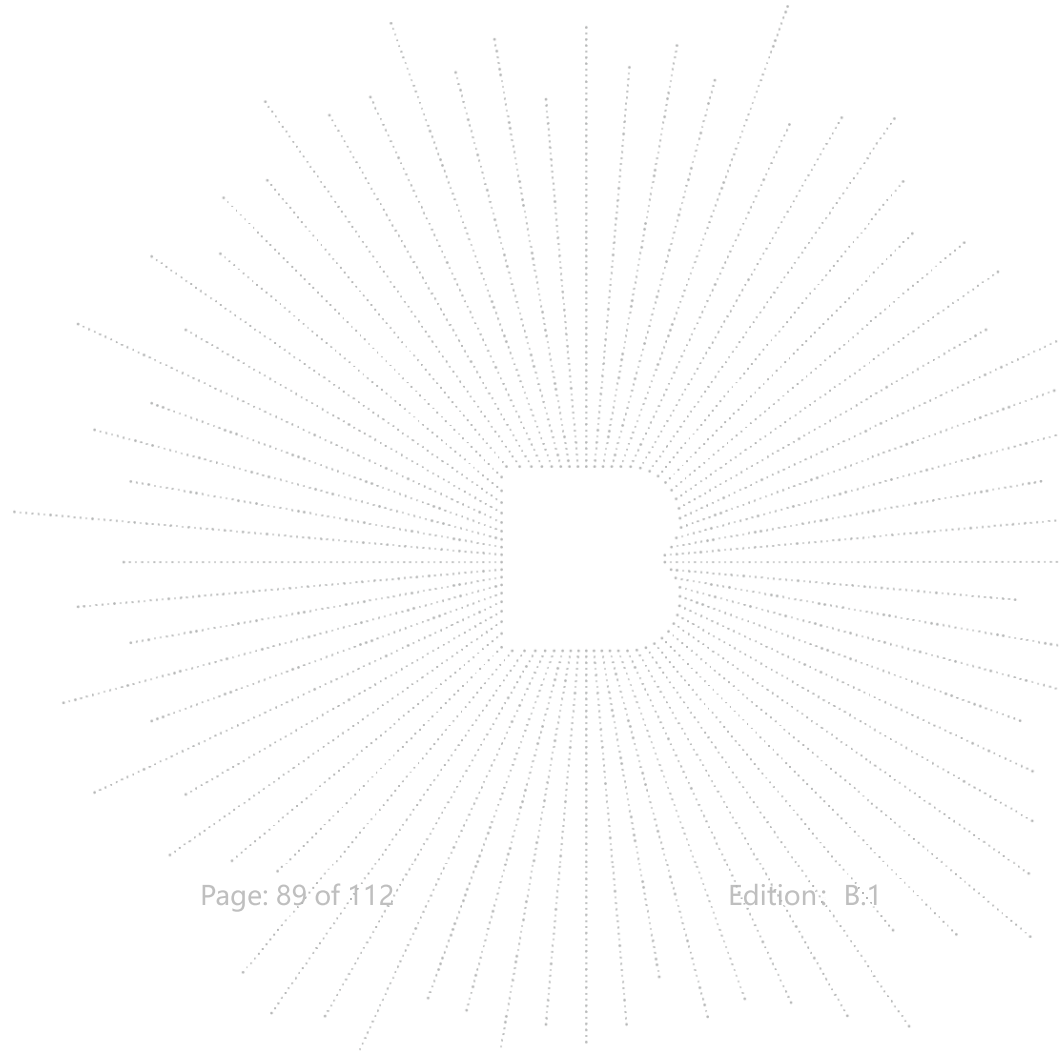


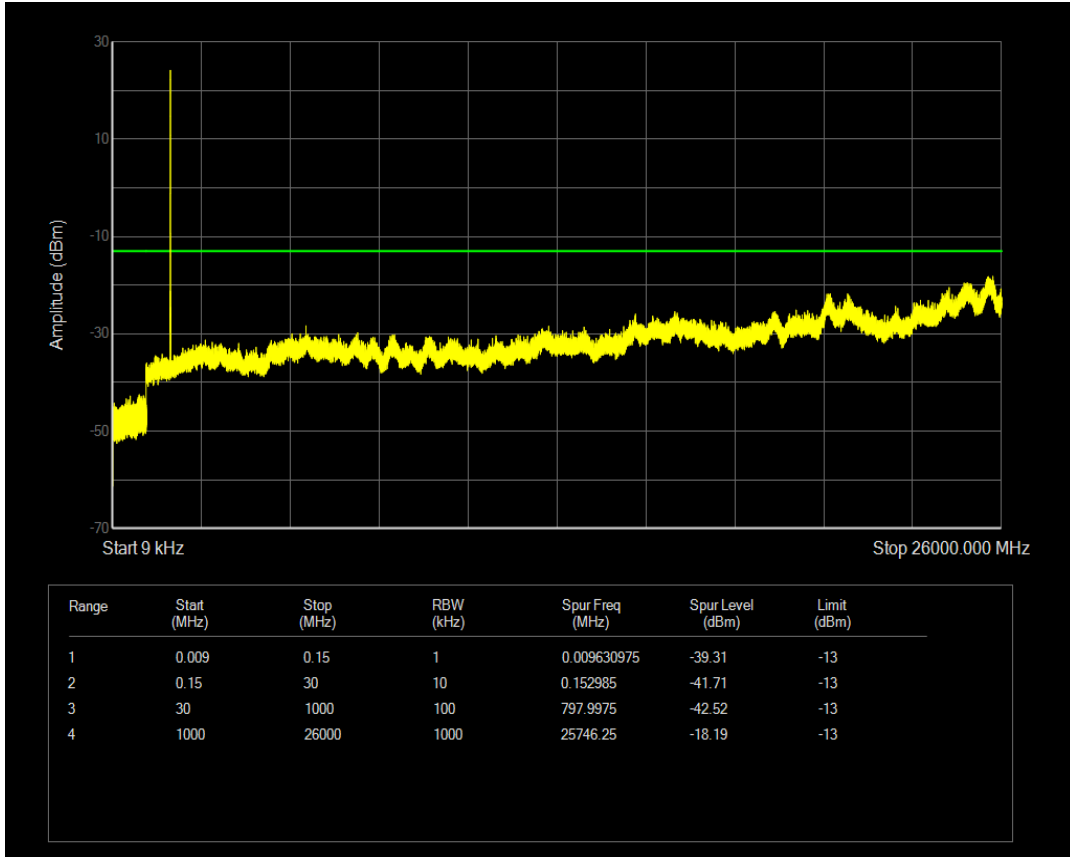


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

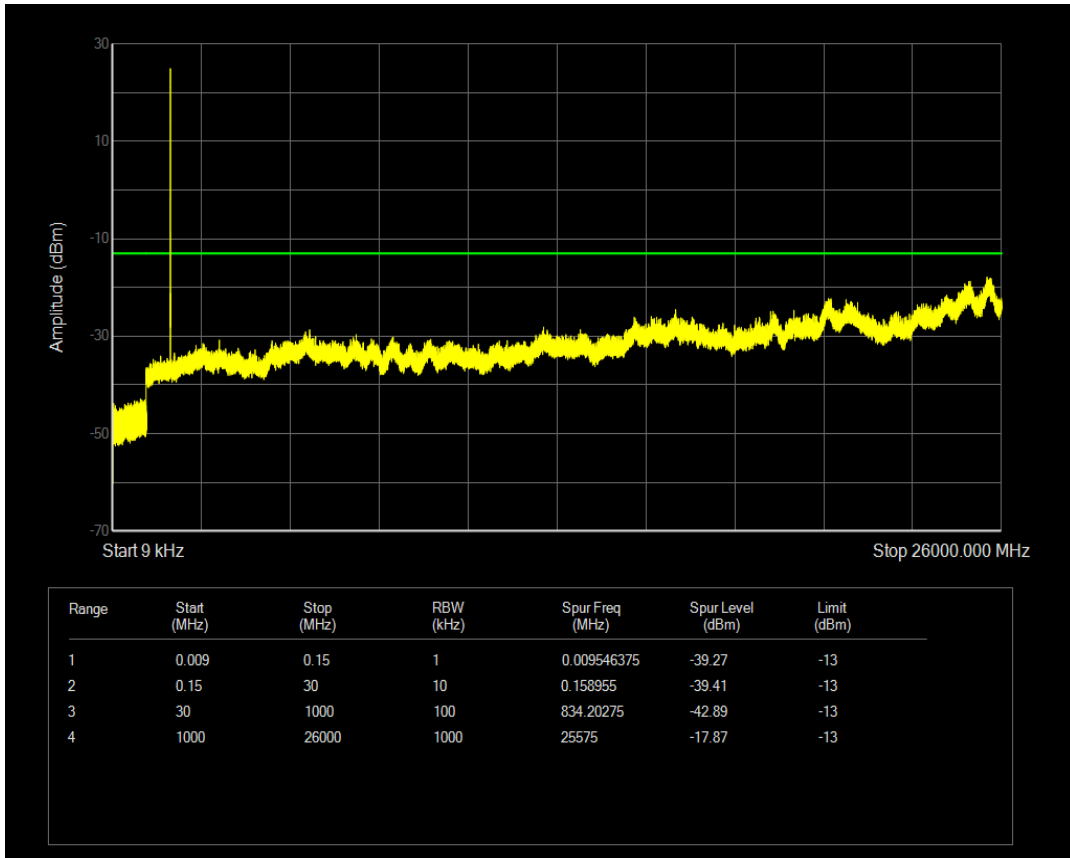


Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



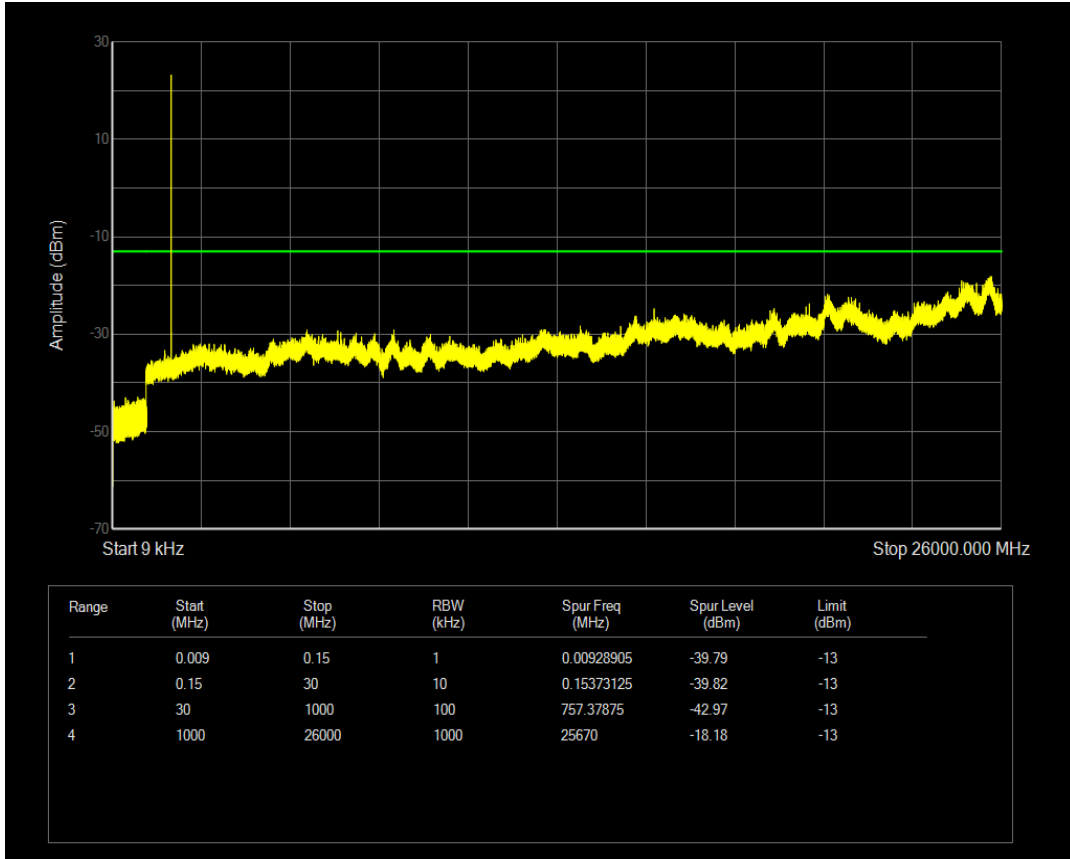


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

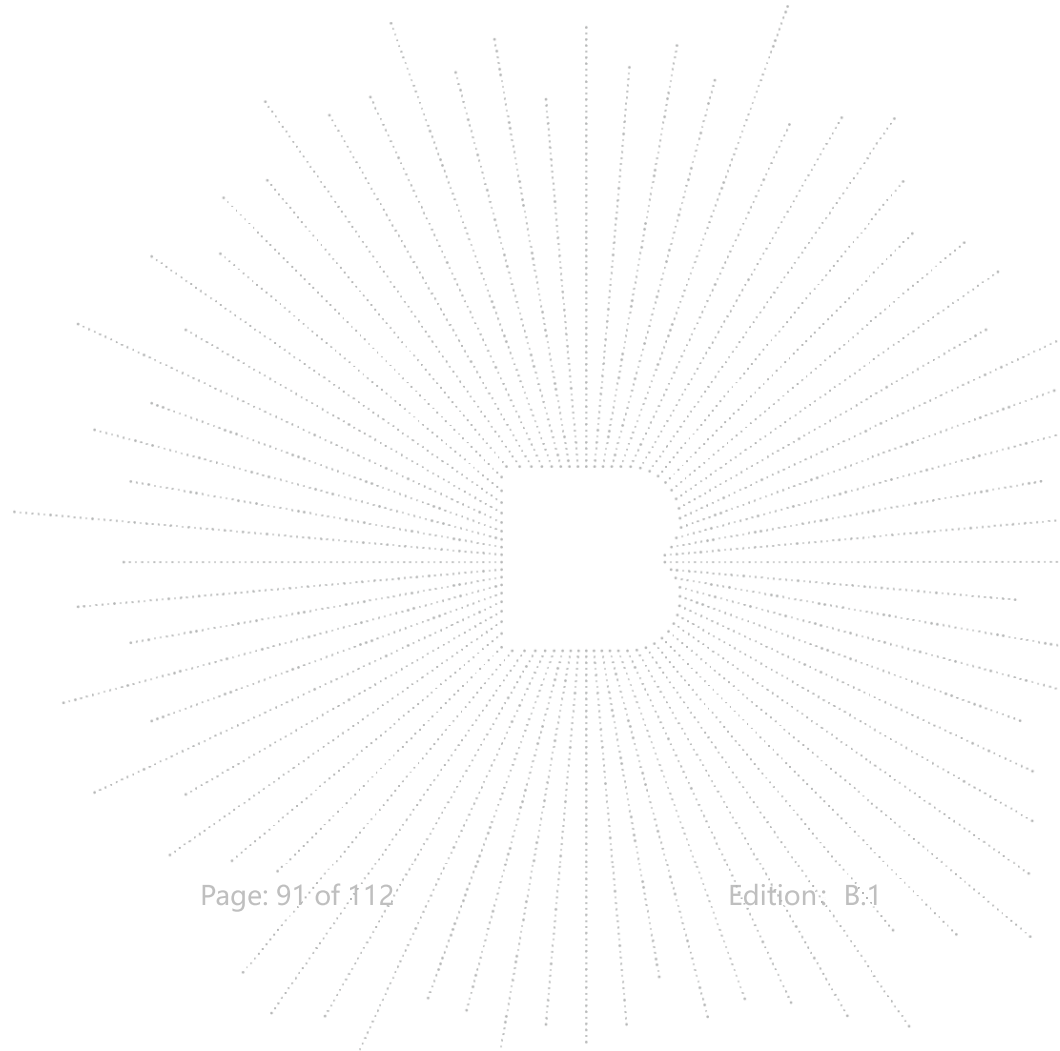


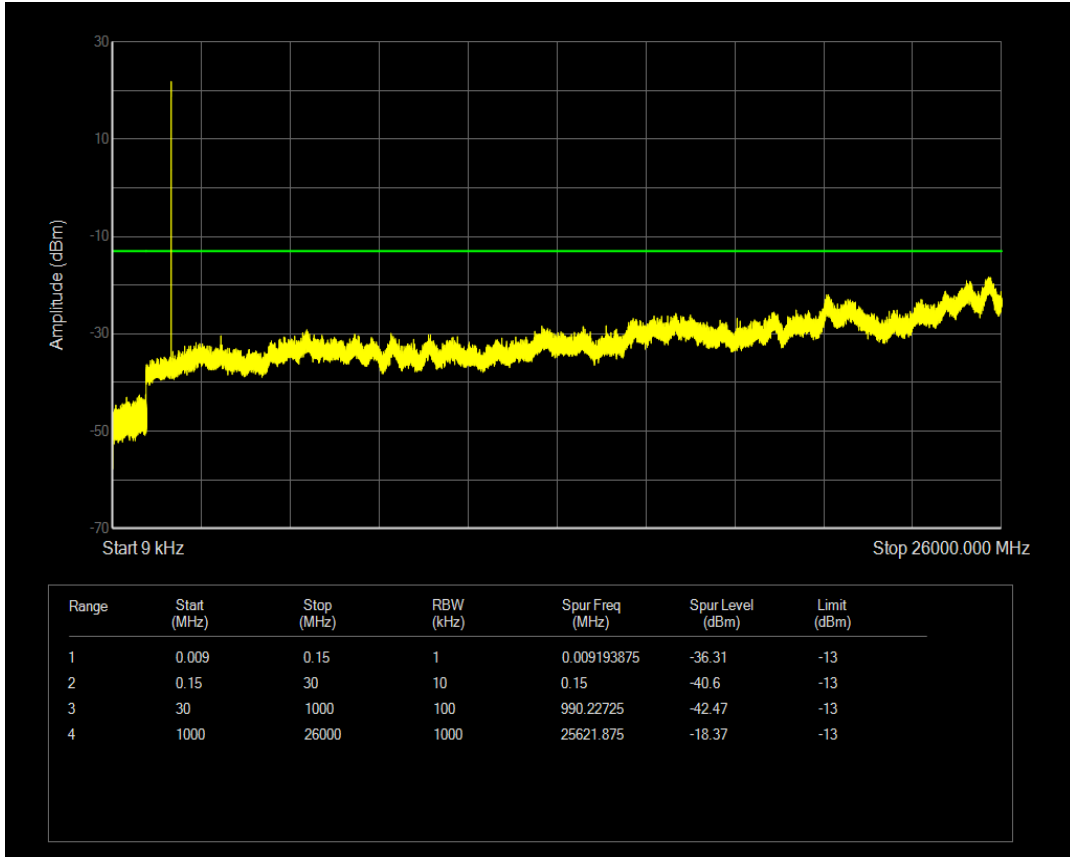


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

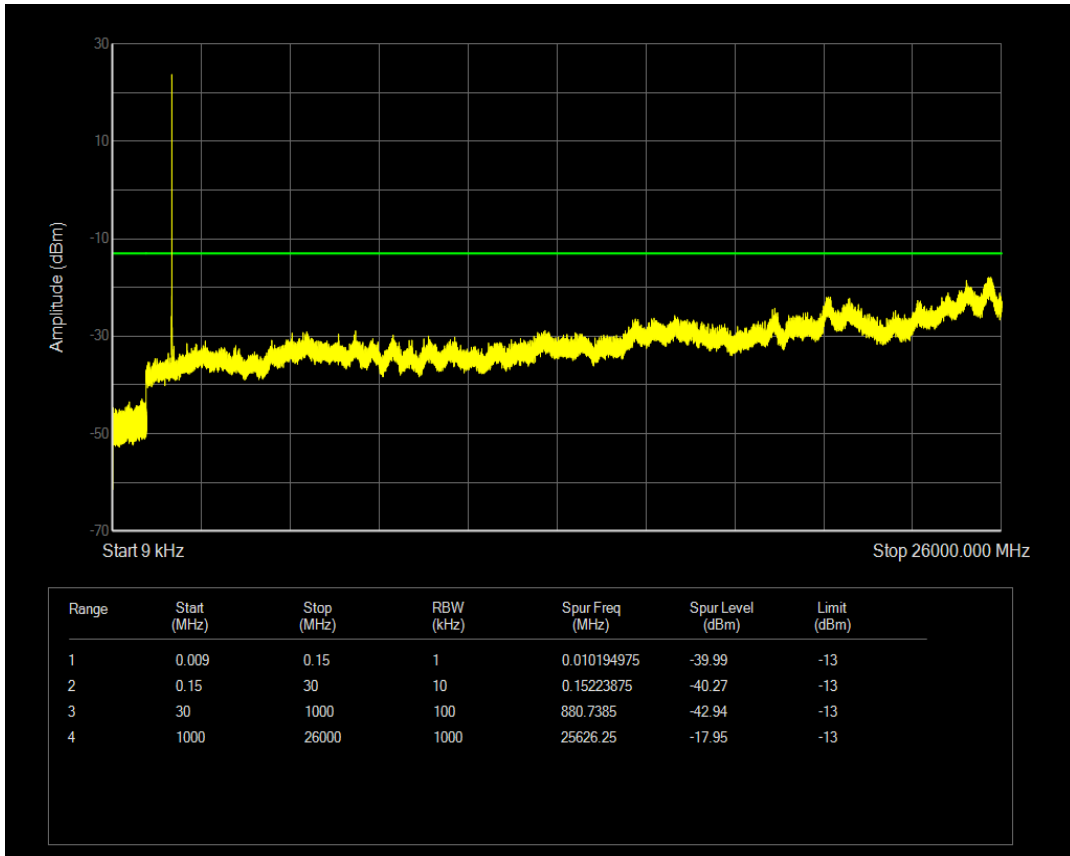


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



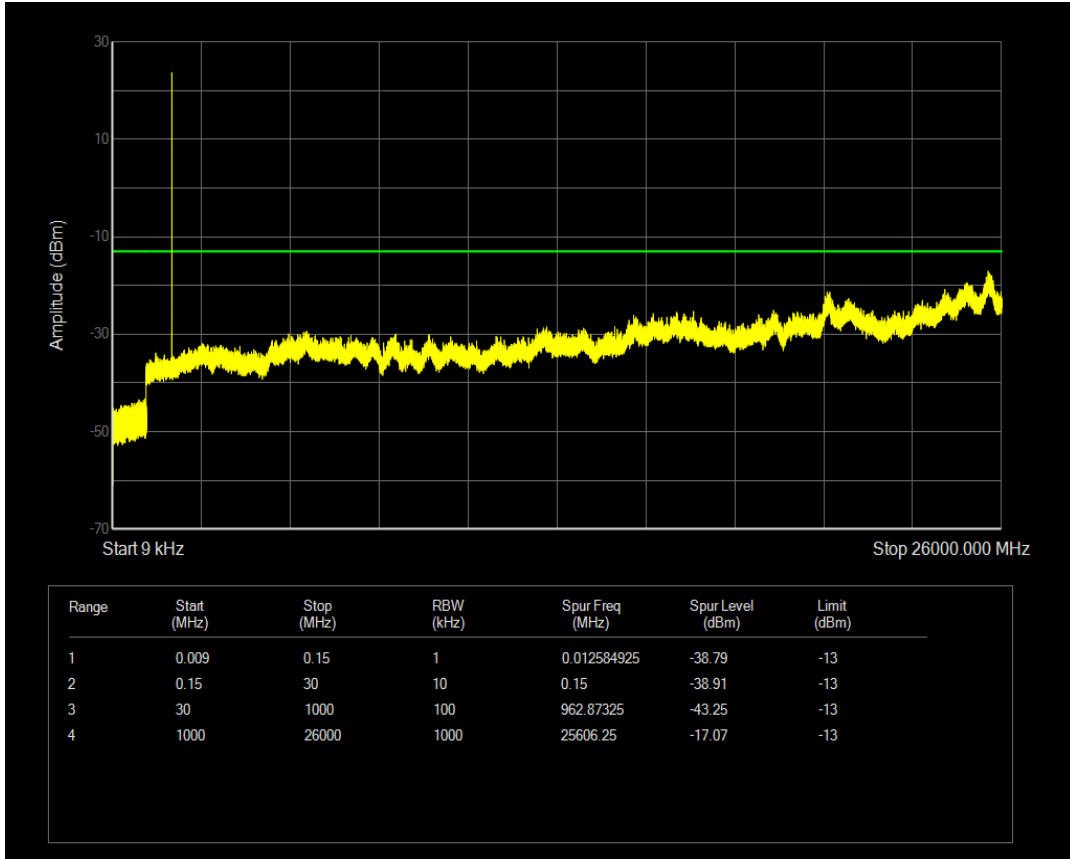


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

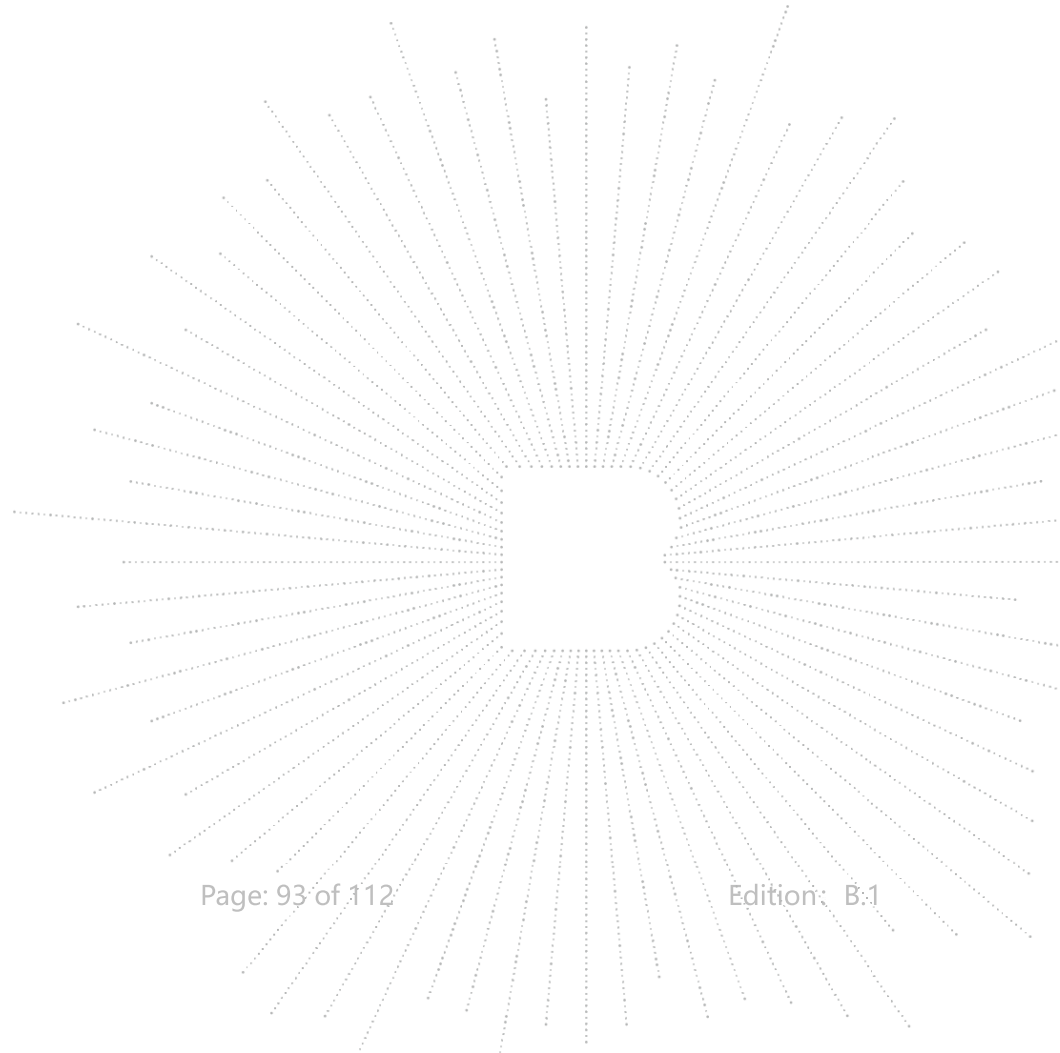


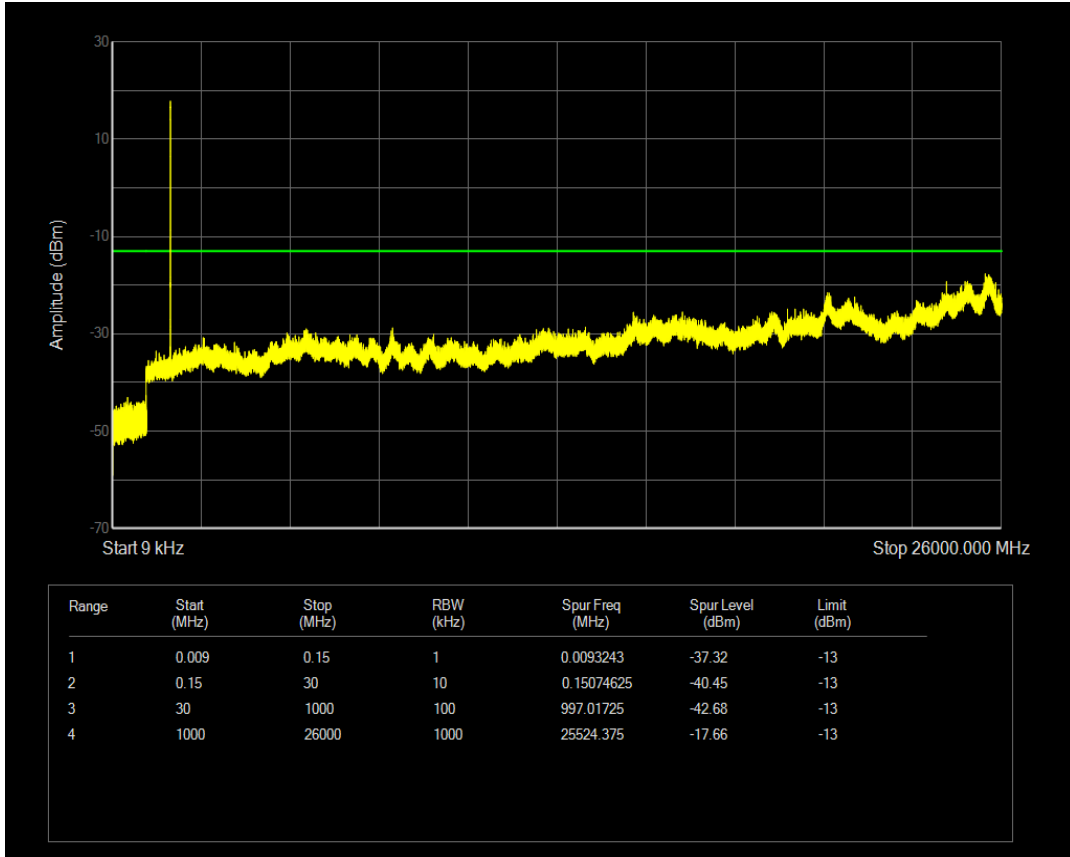


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

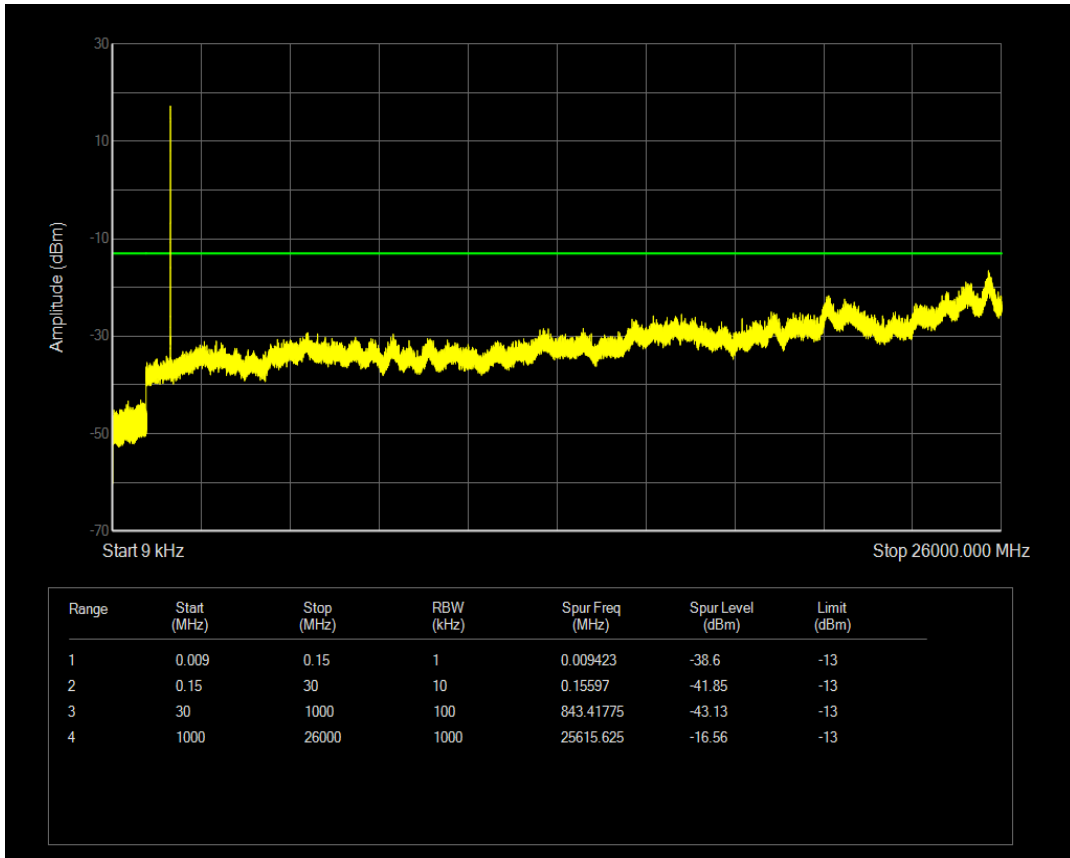


Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



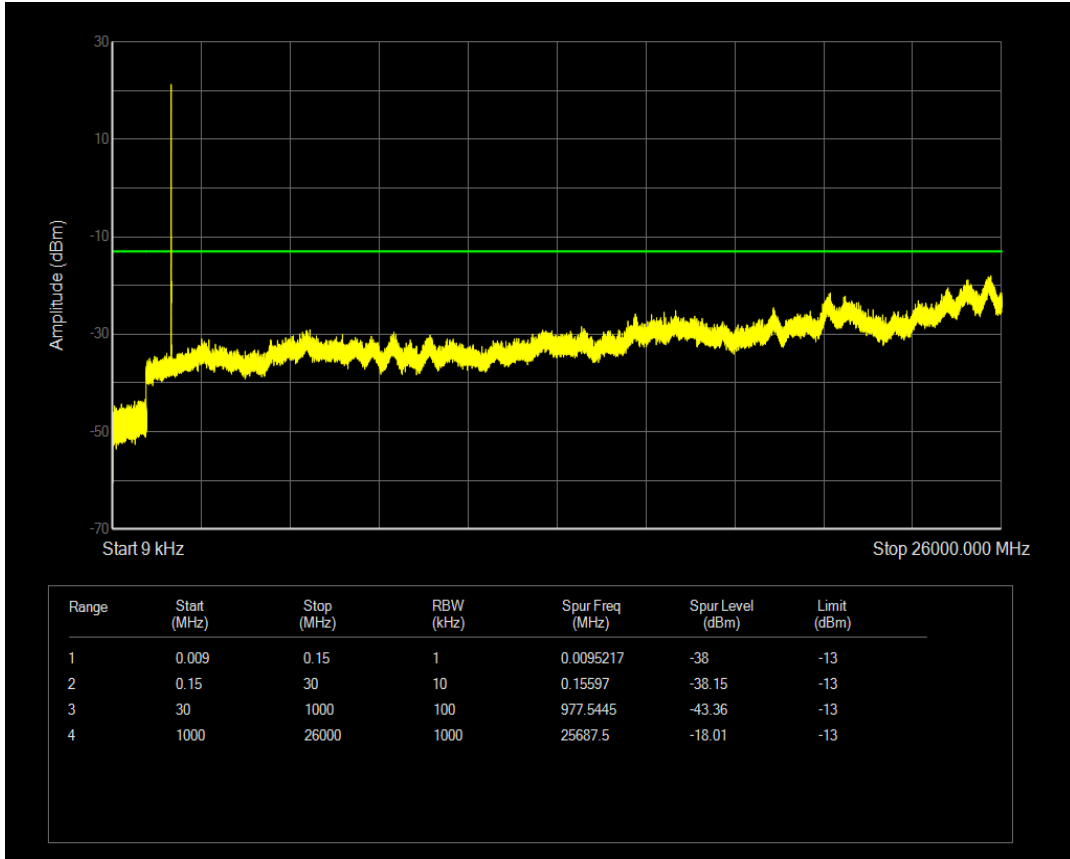


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

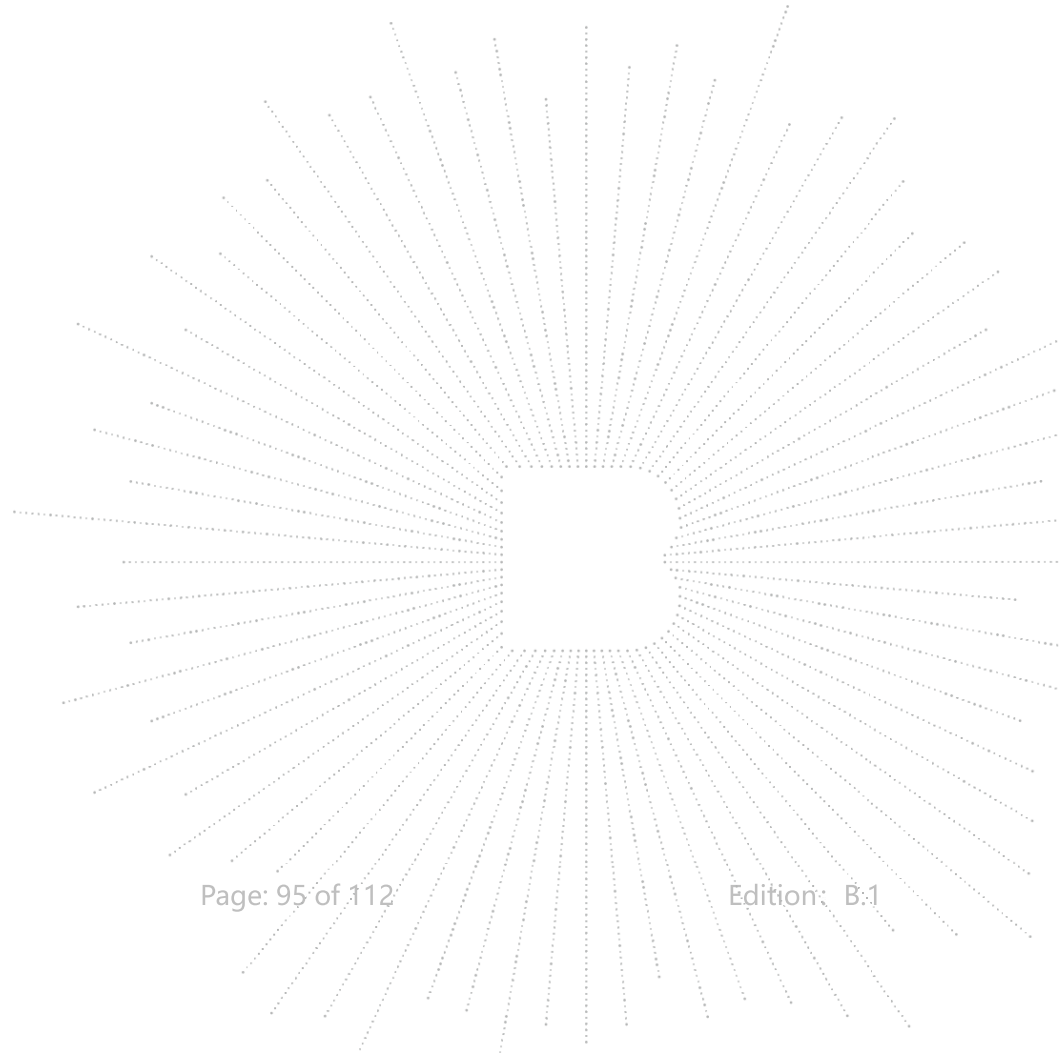


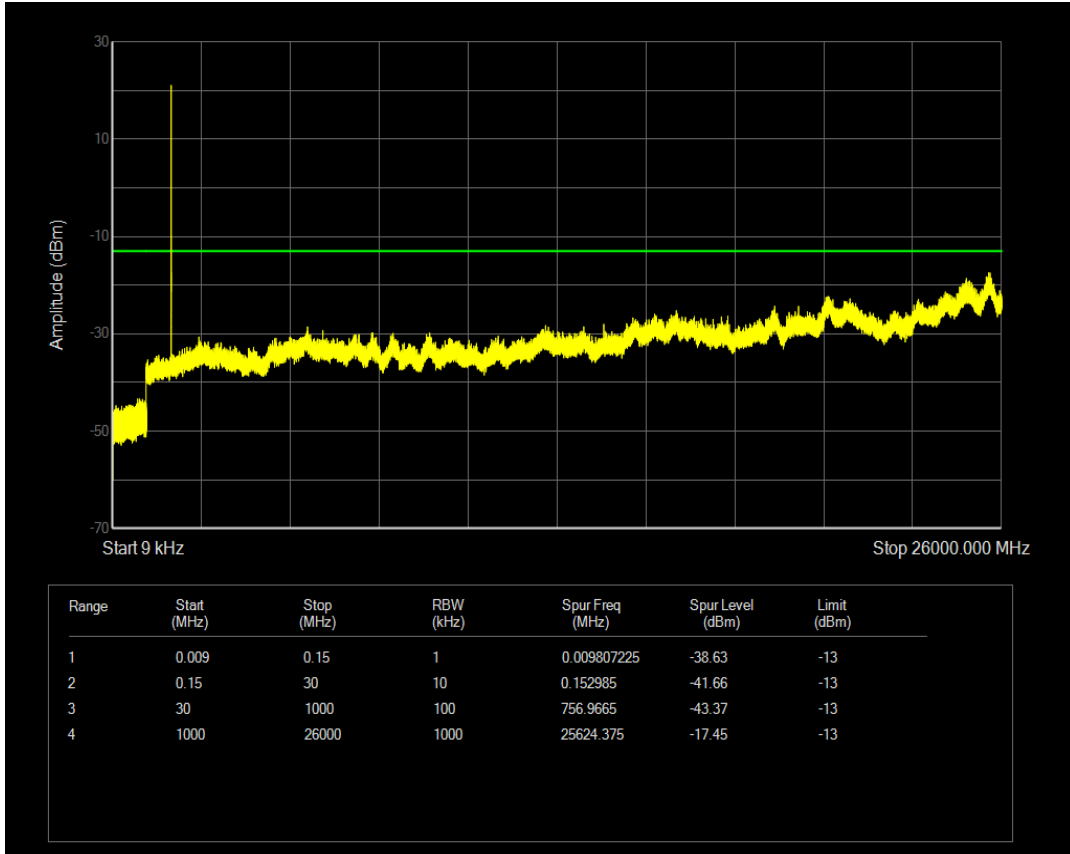


Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

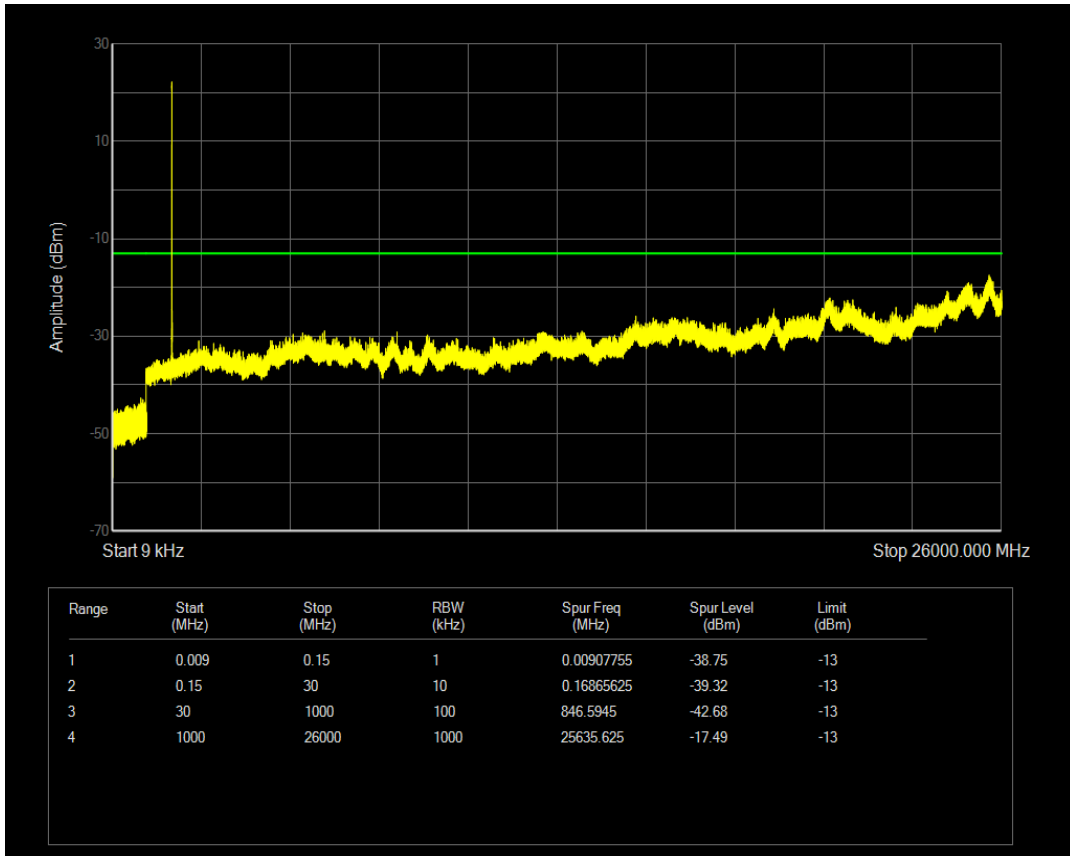


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0





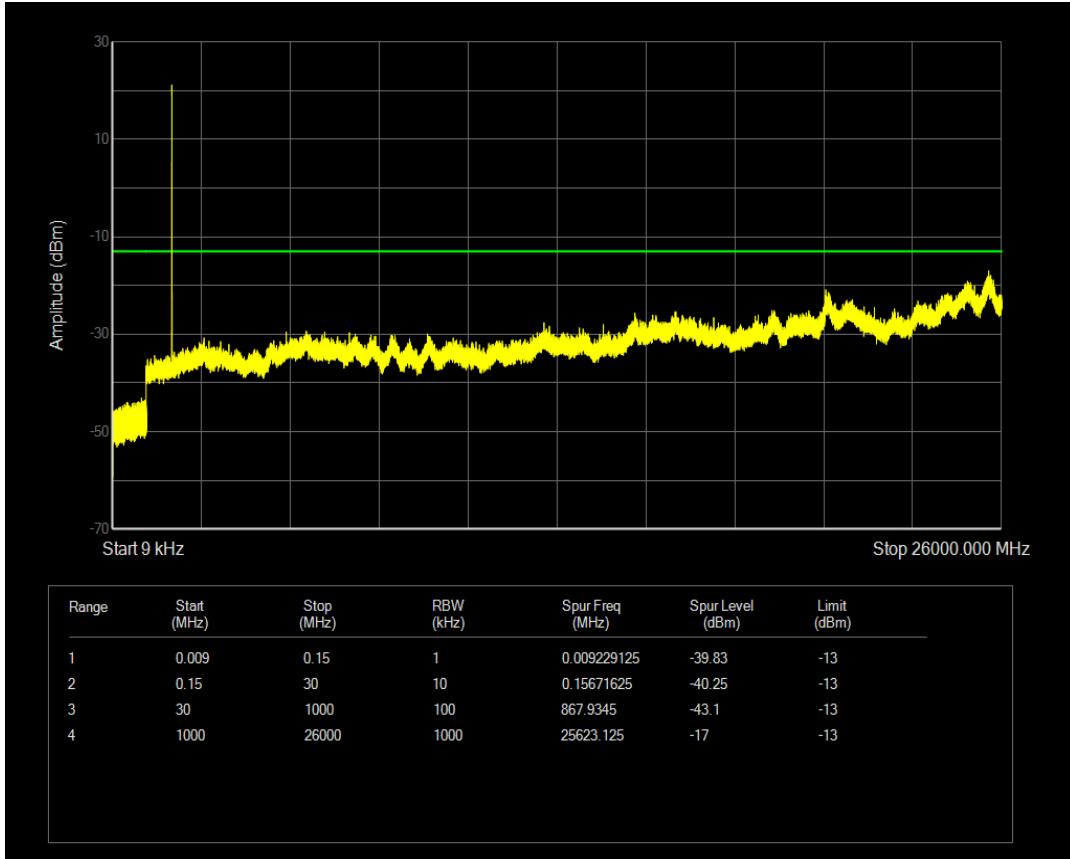
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



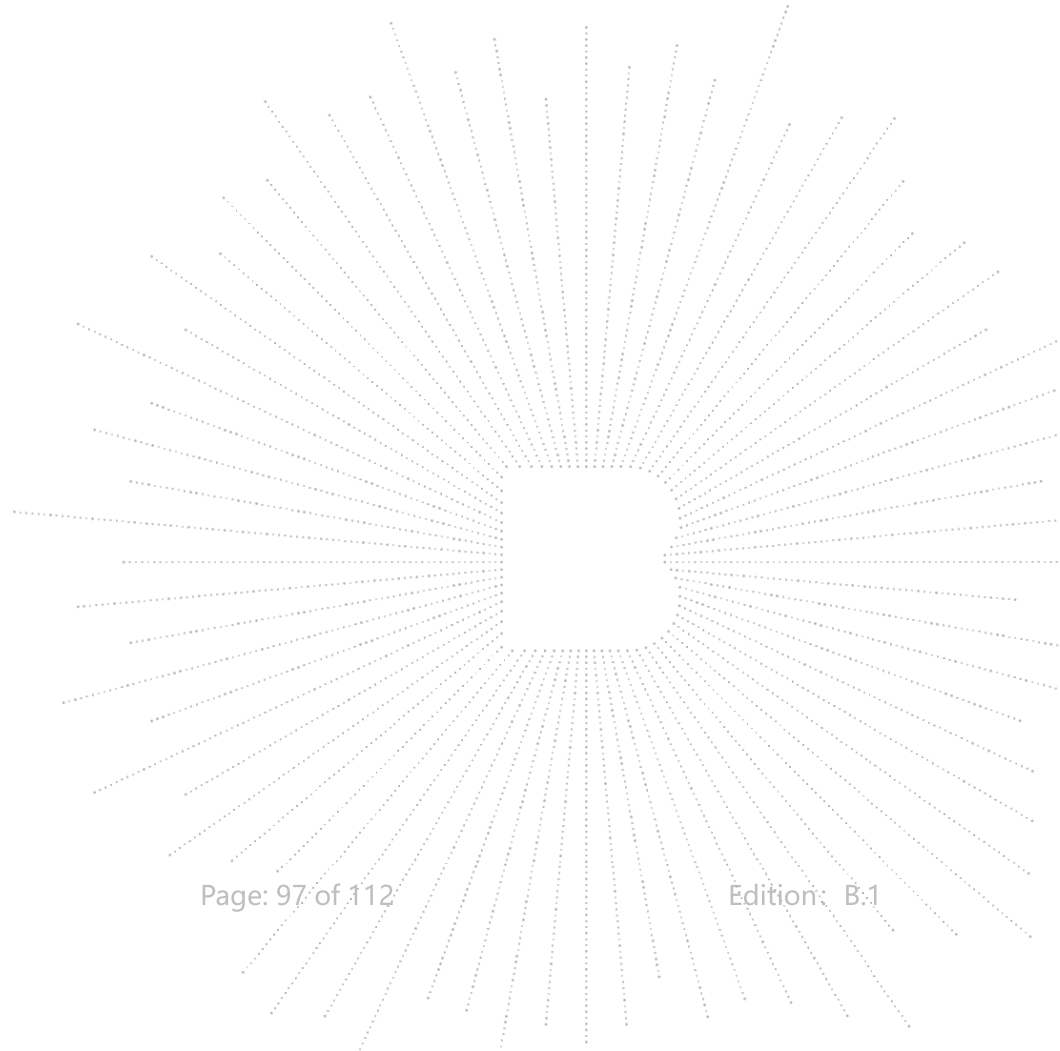


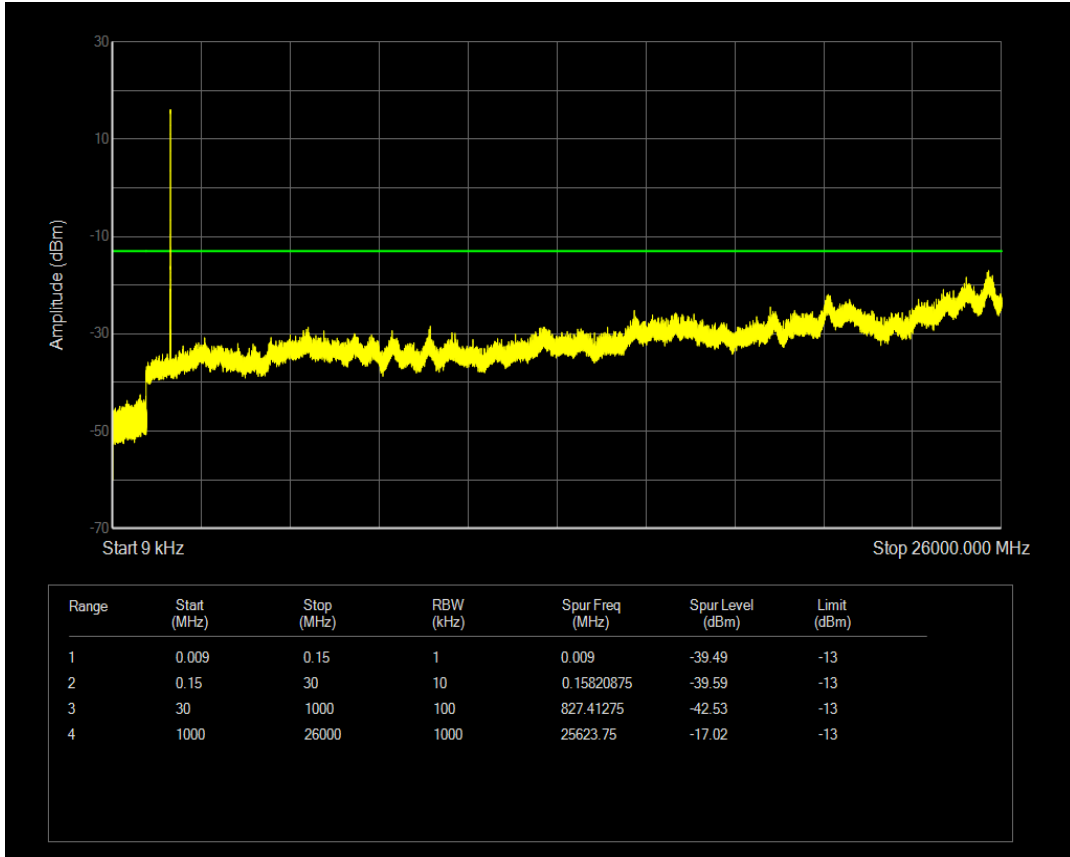


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

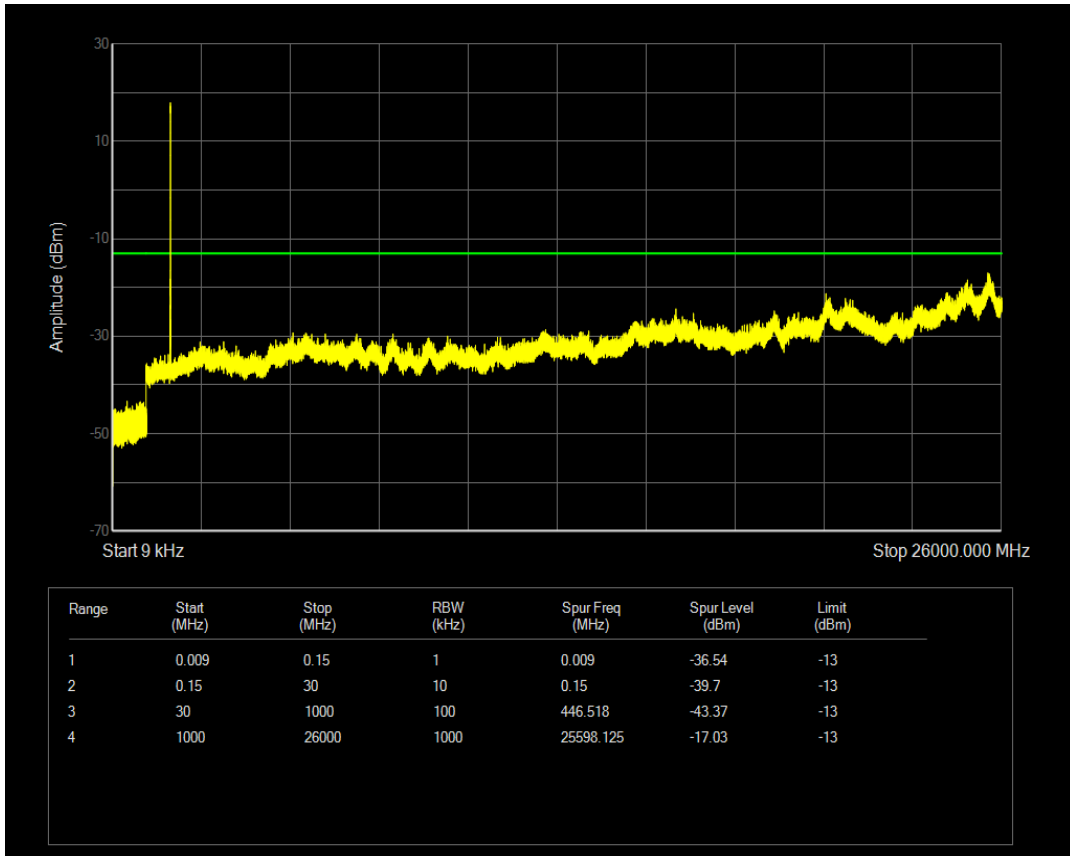


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



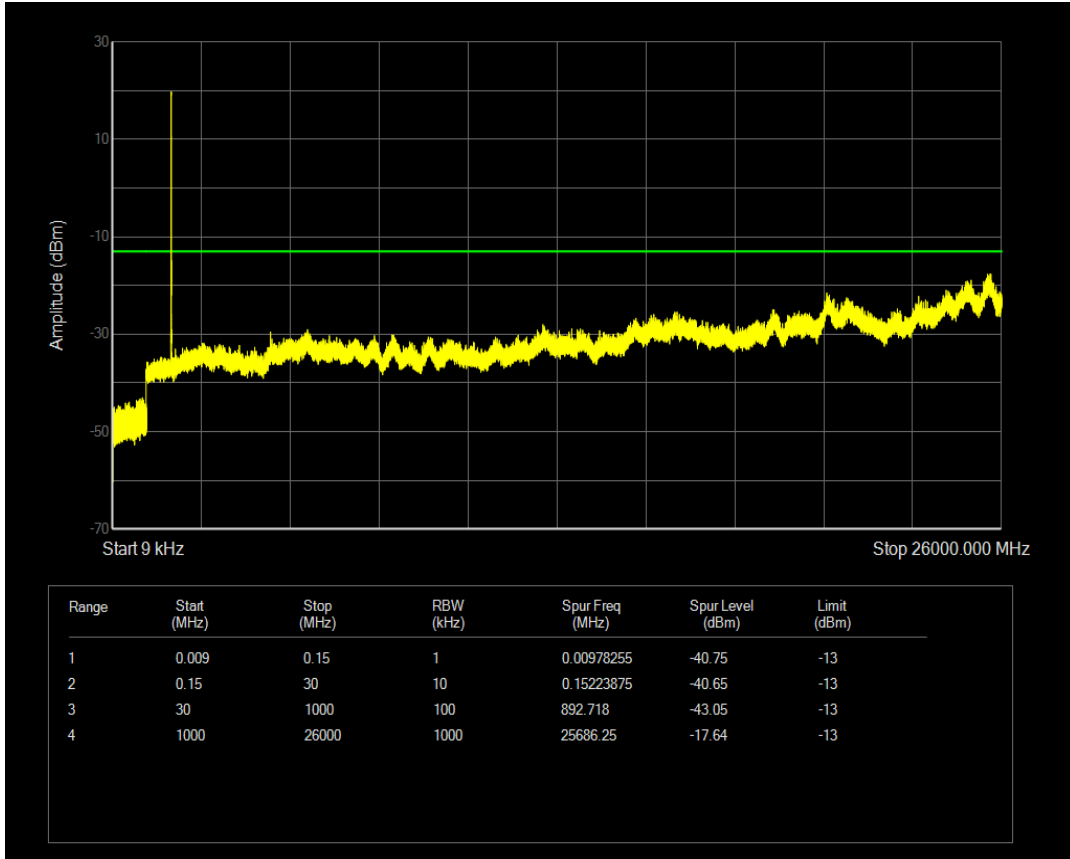


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

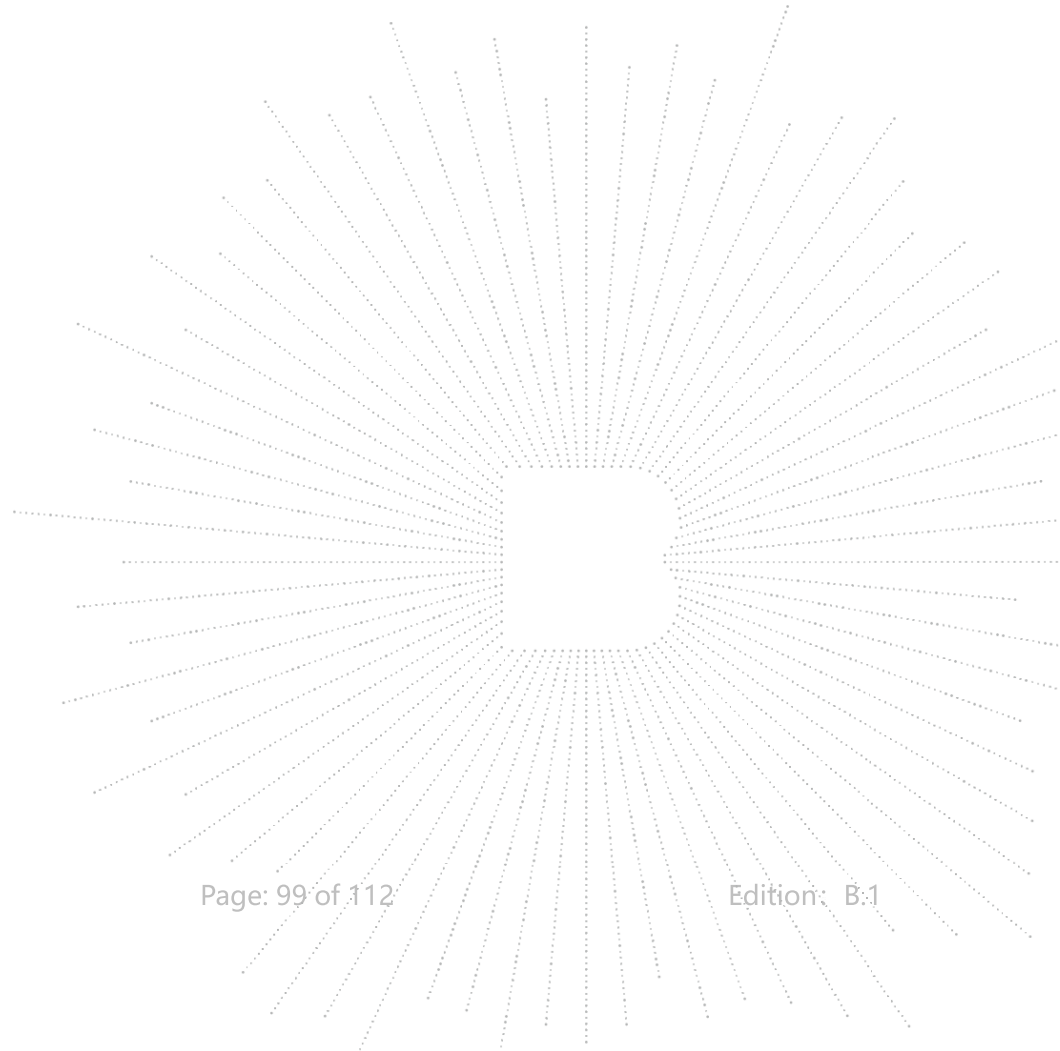


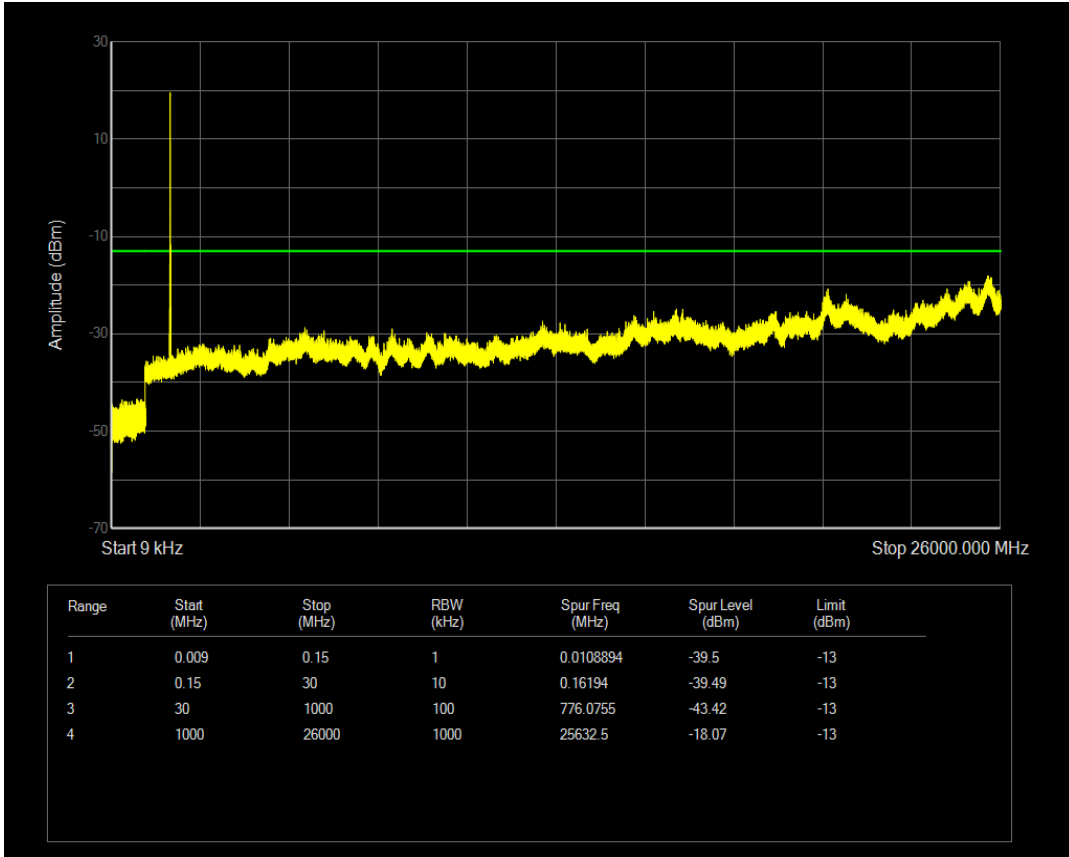


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

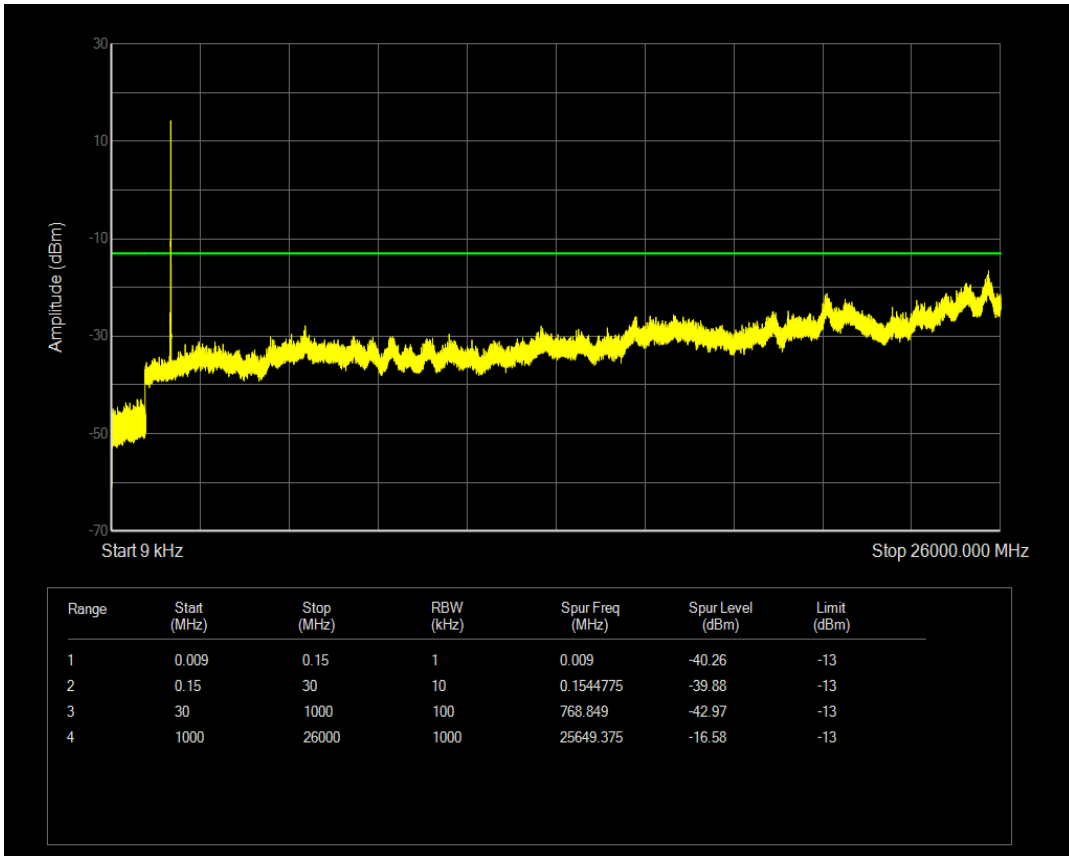


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



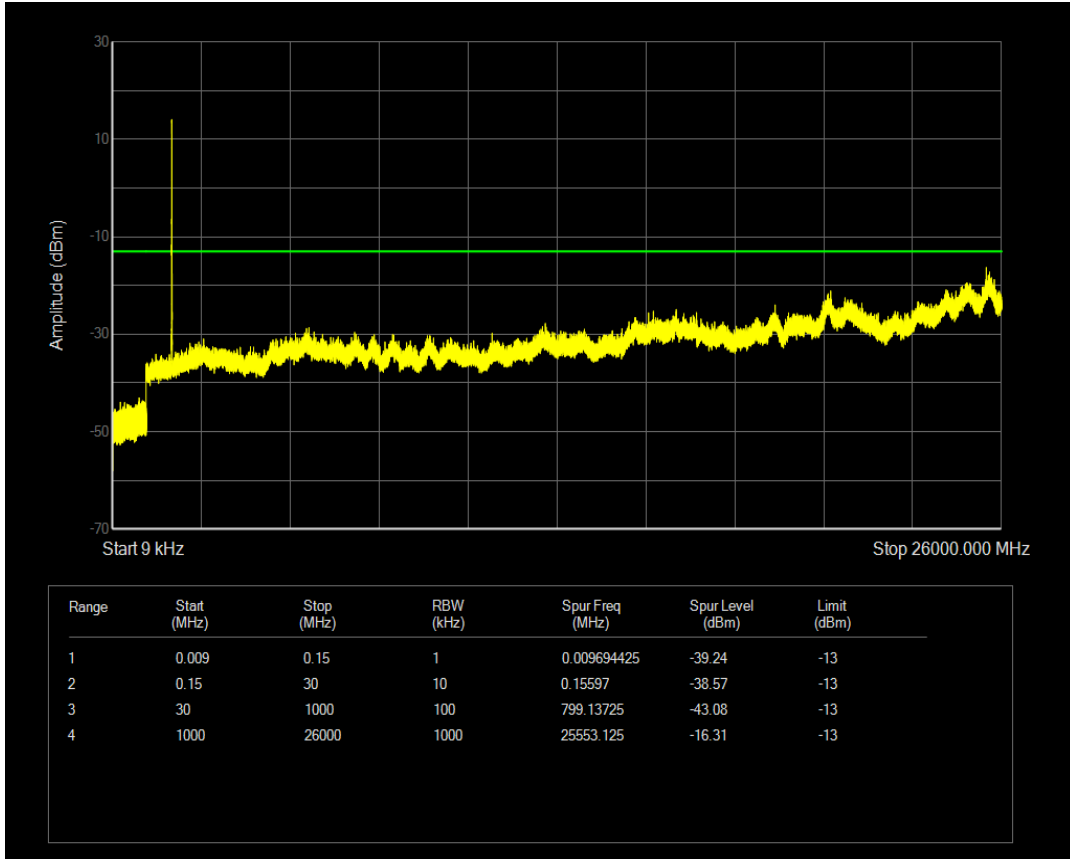


Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

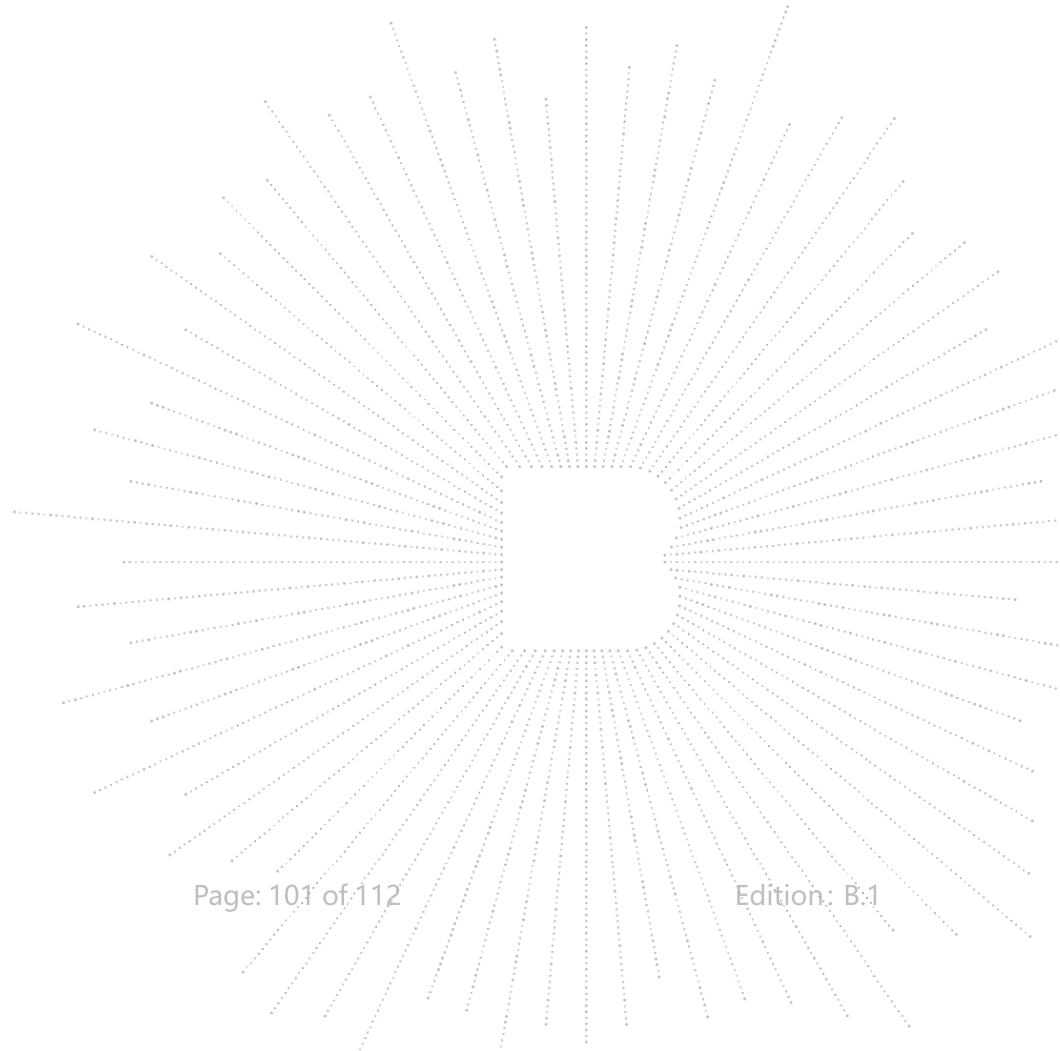


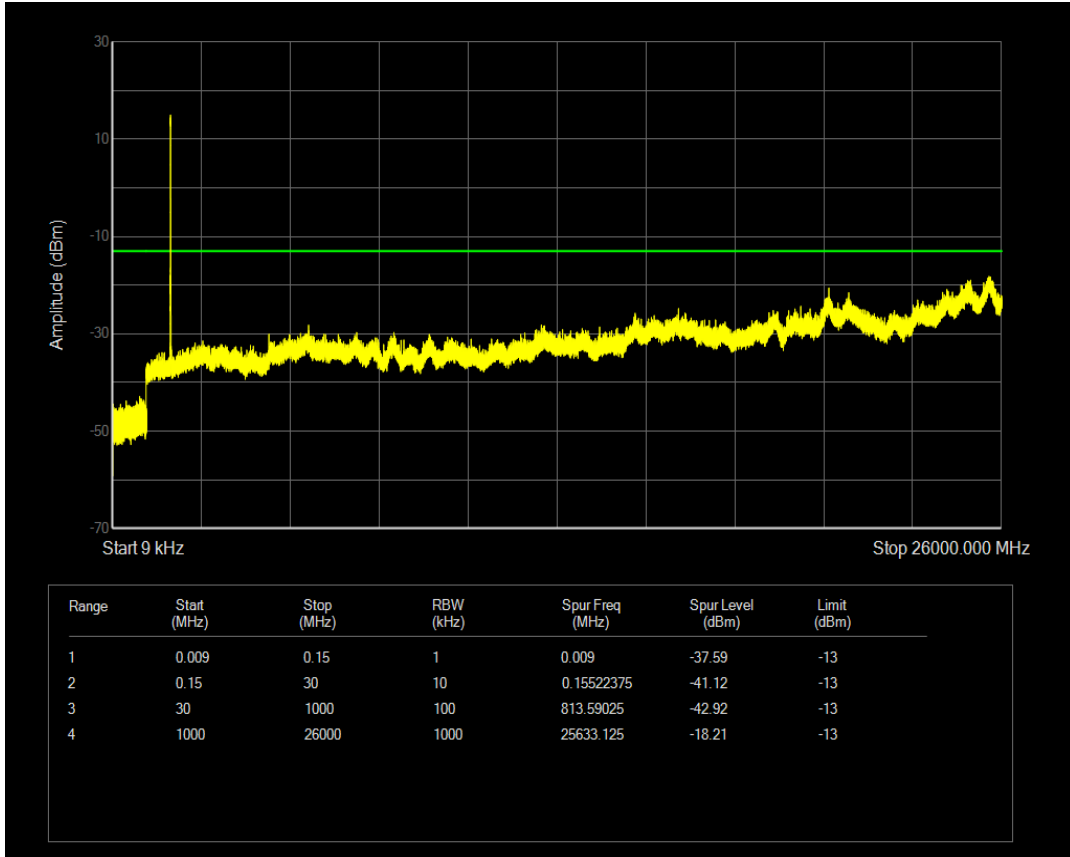


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

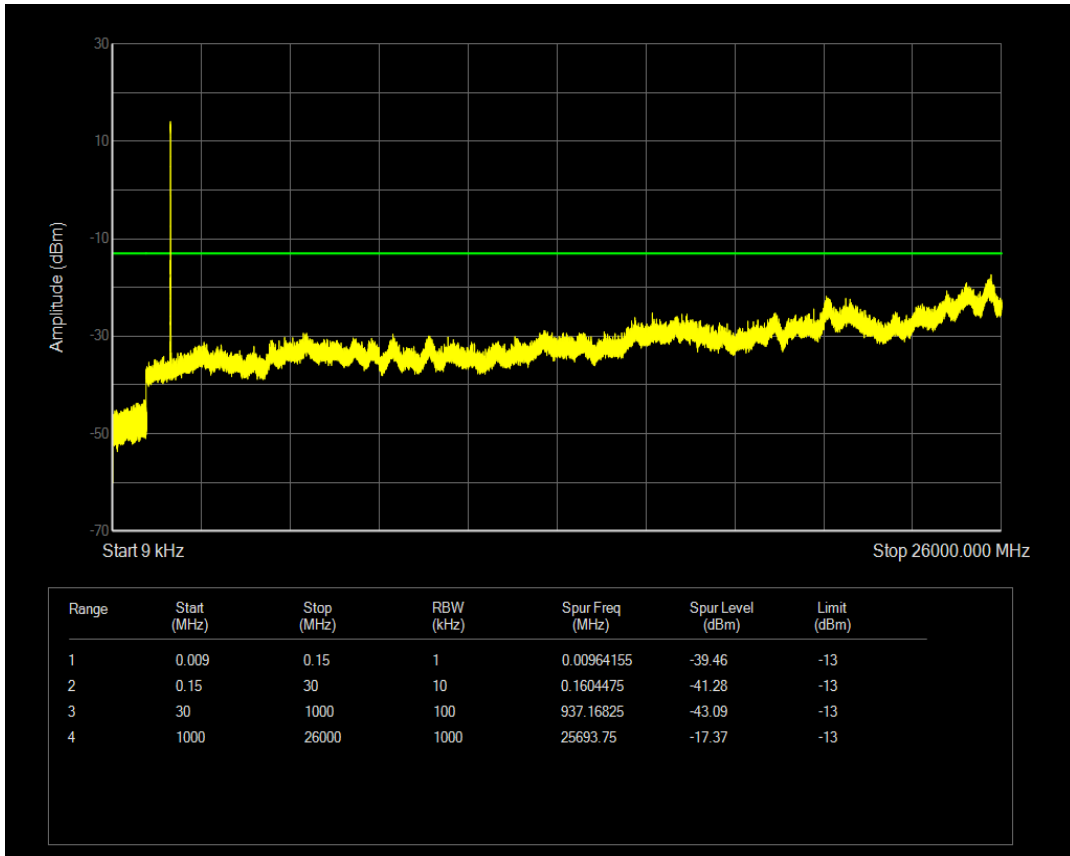


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



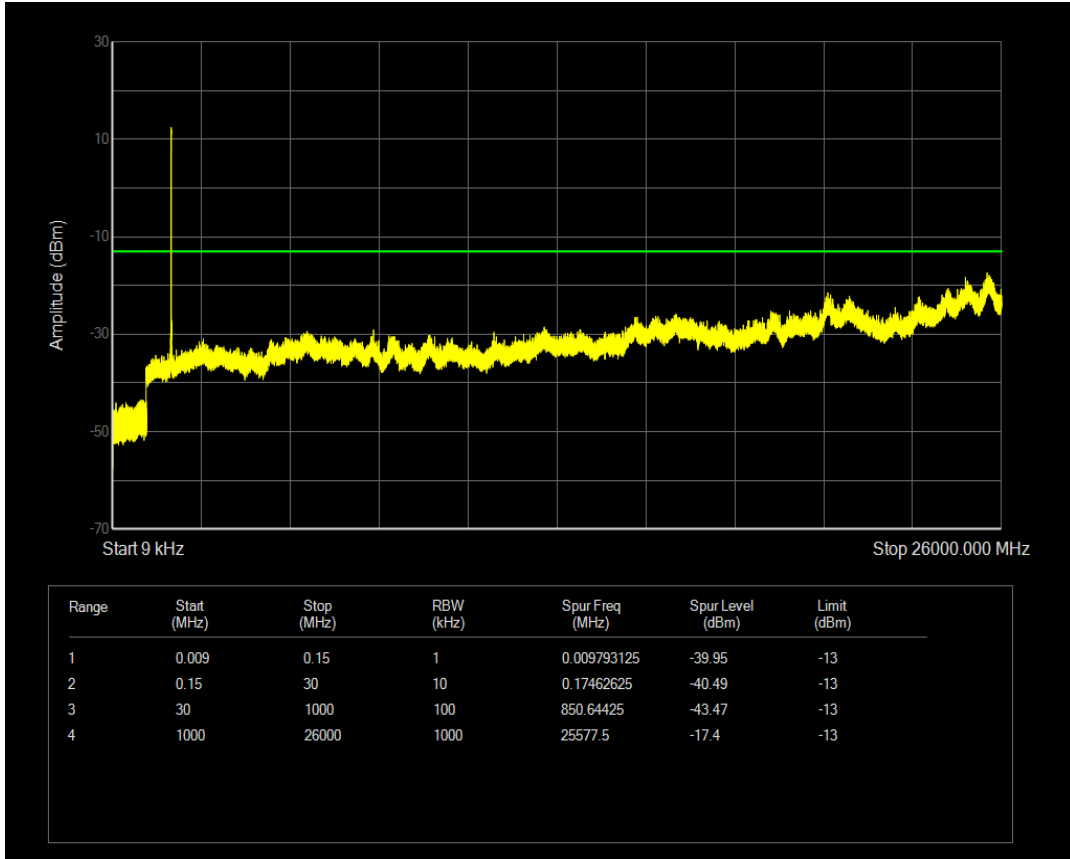


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

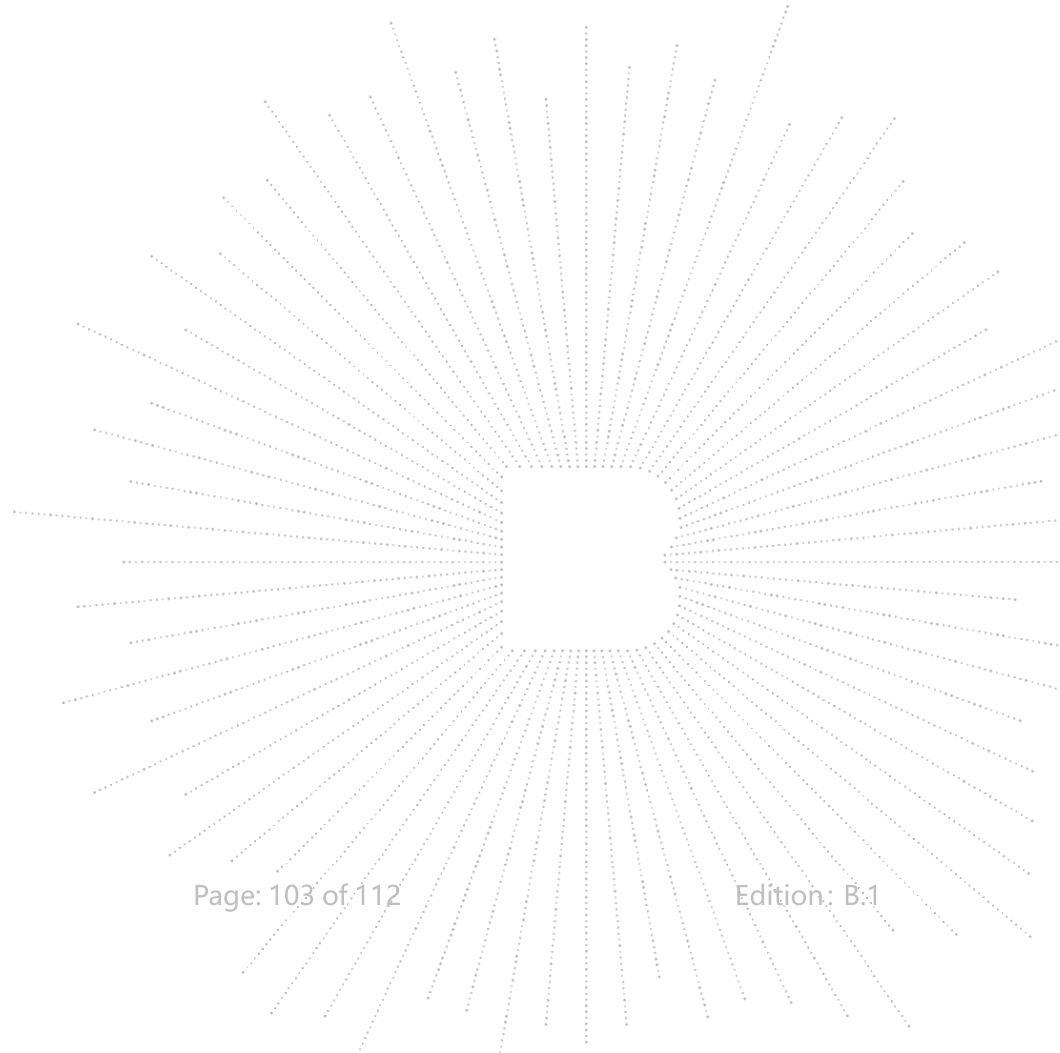


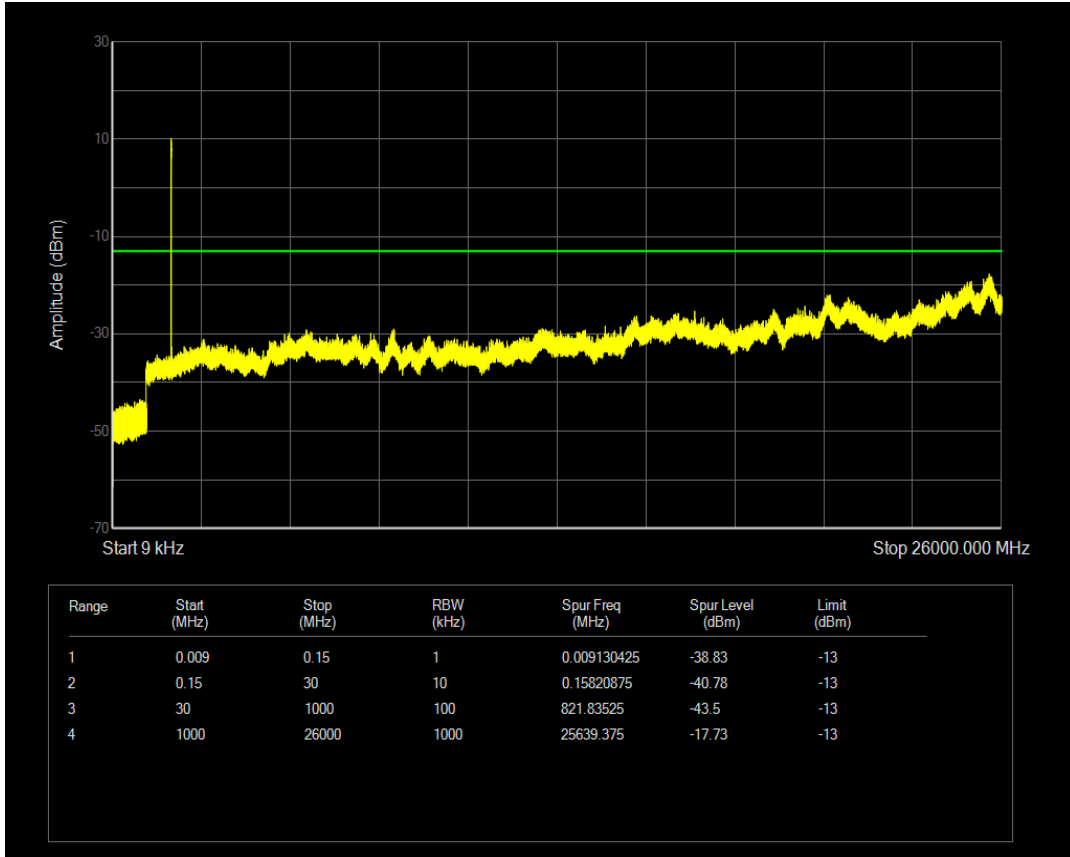


Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

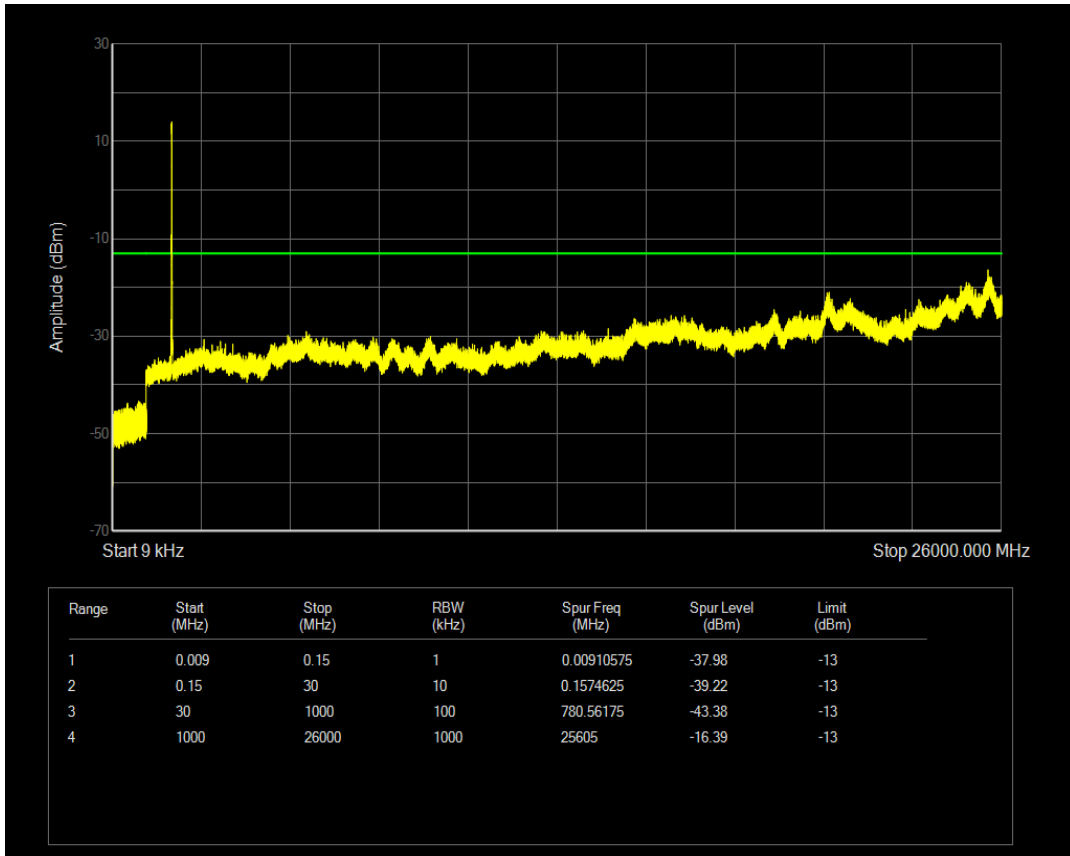


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0





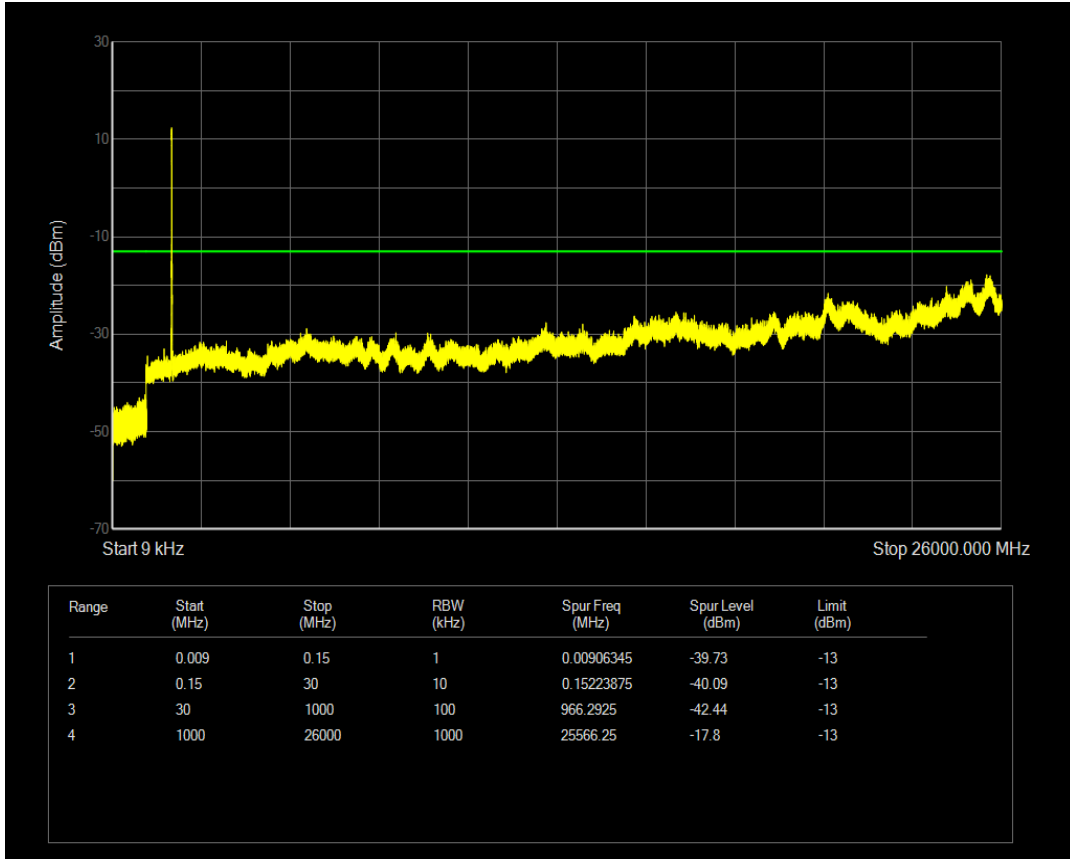
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



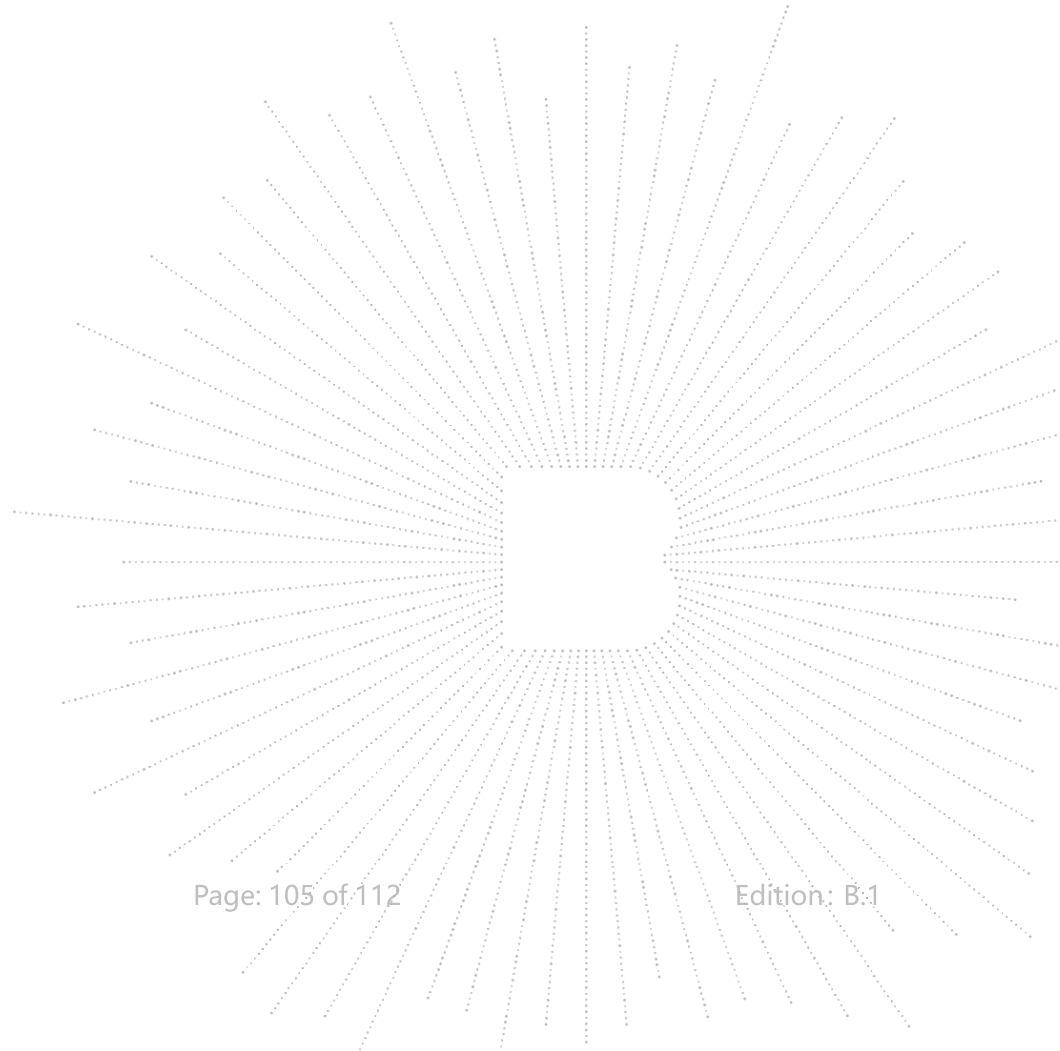


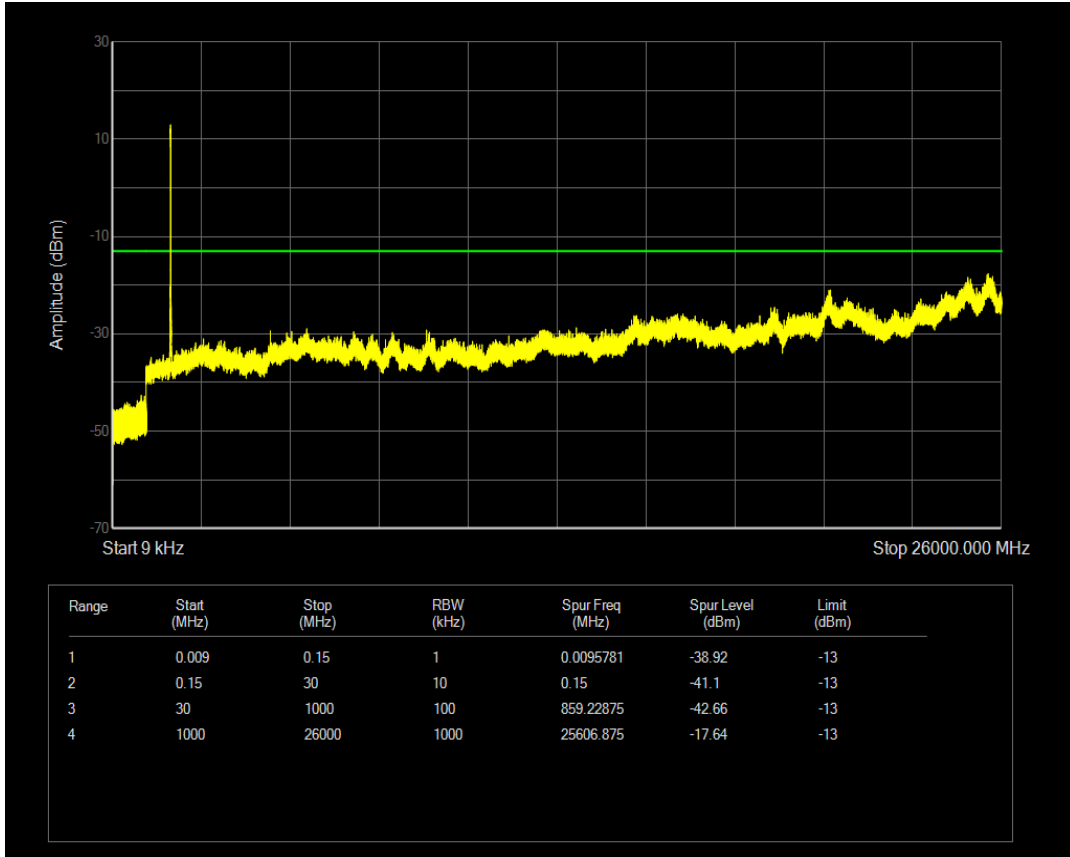


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

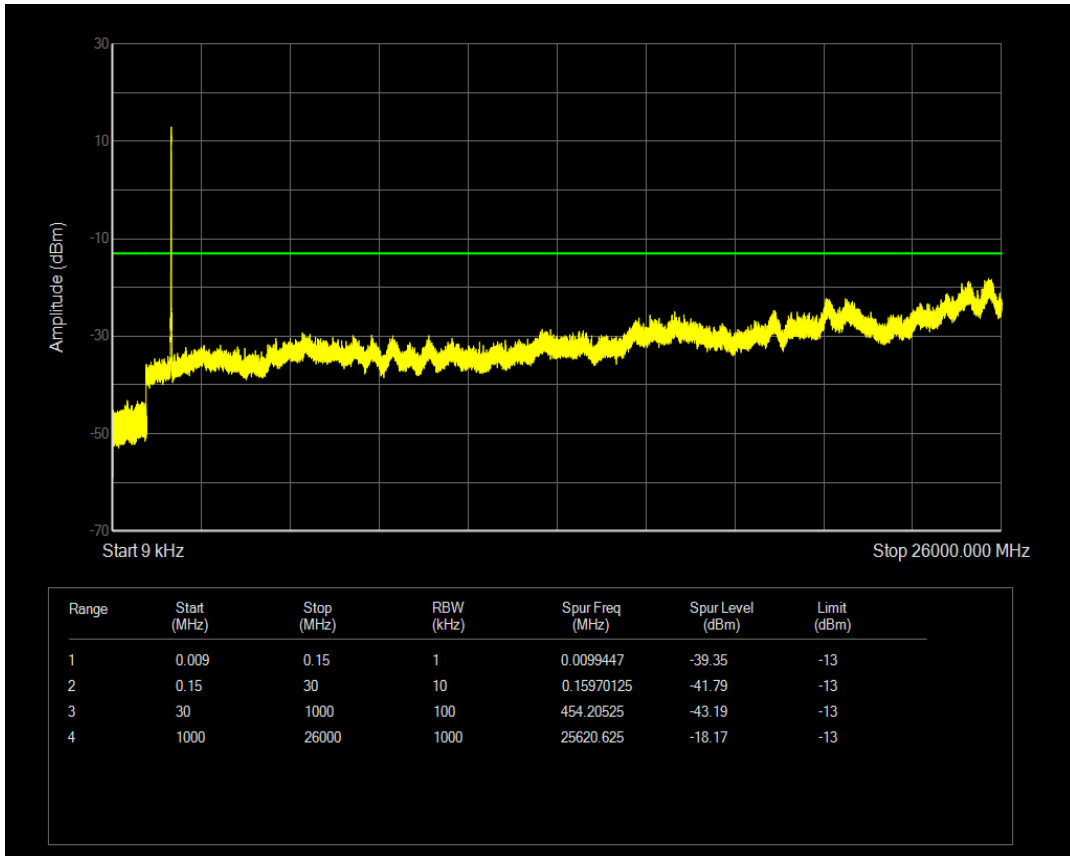


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



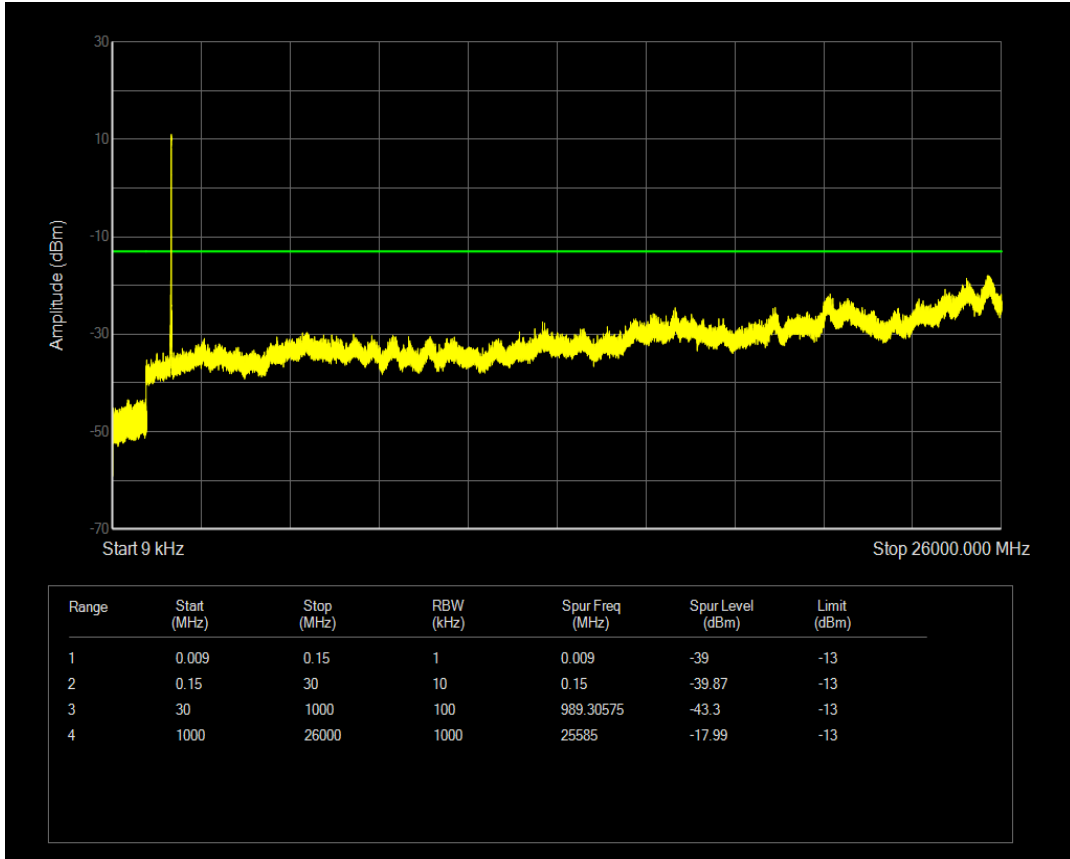


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

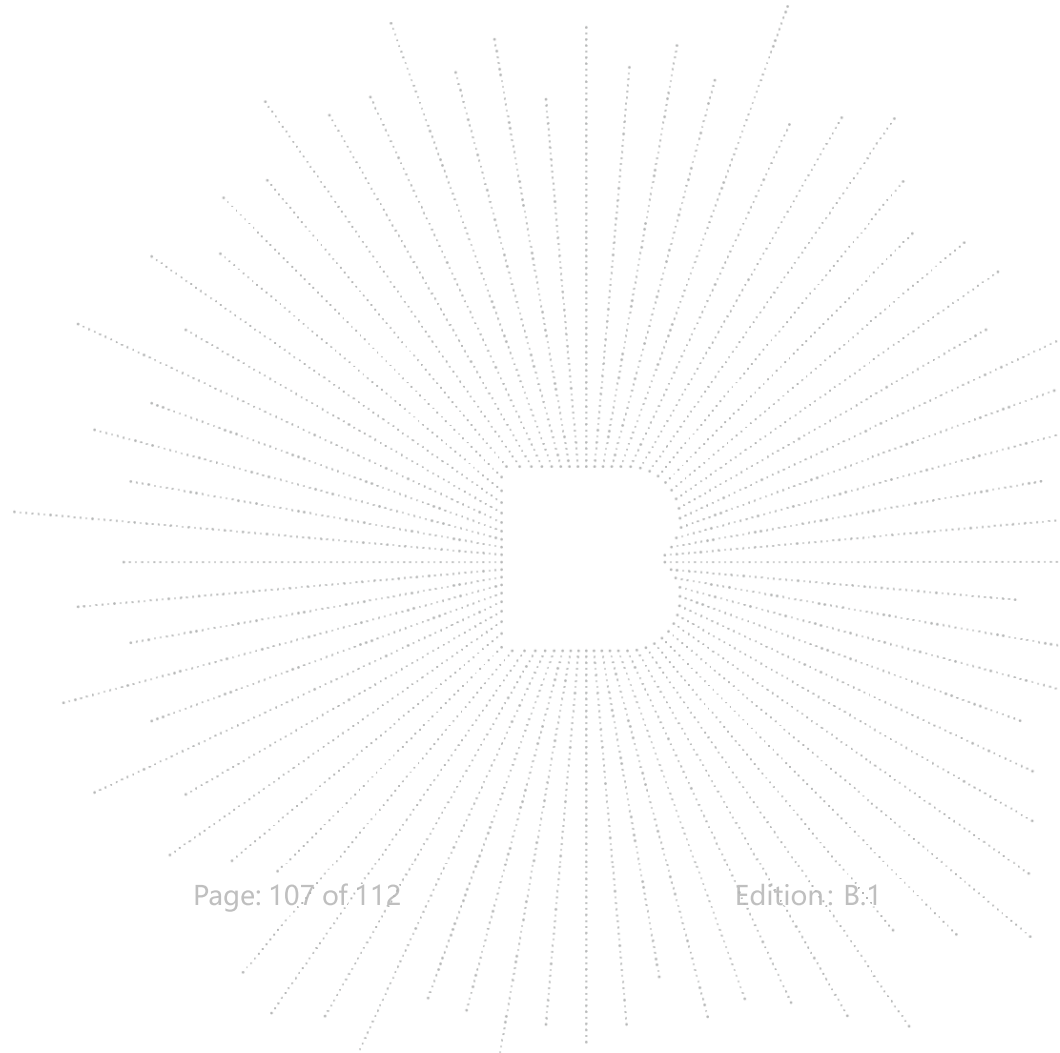


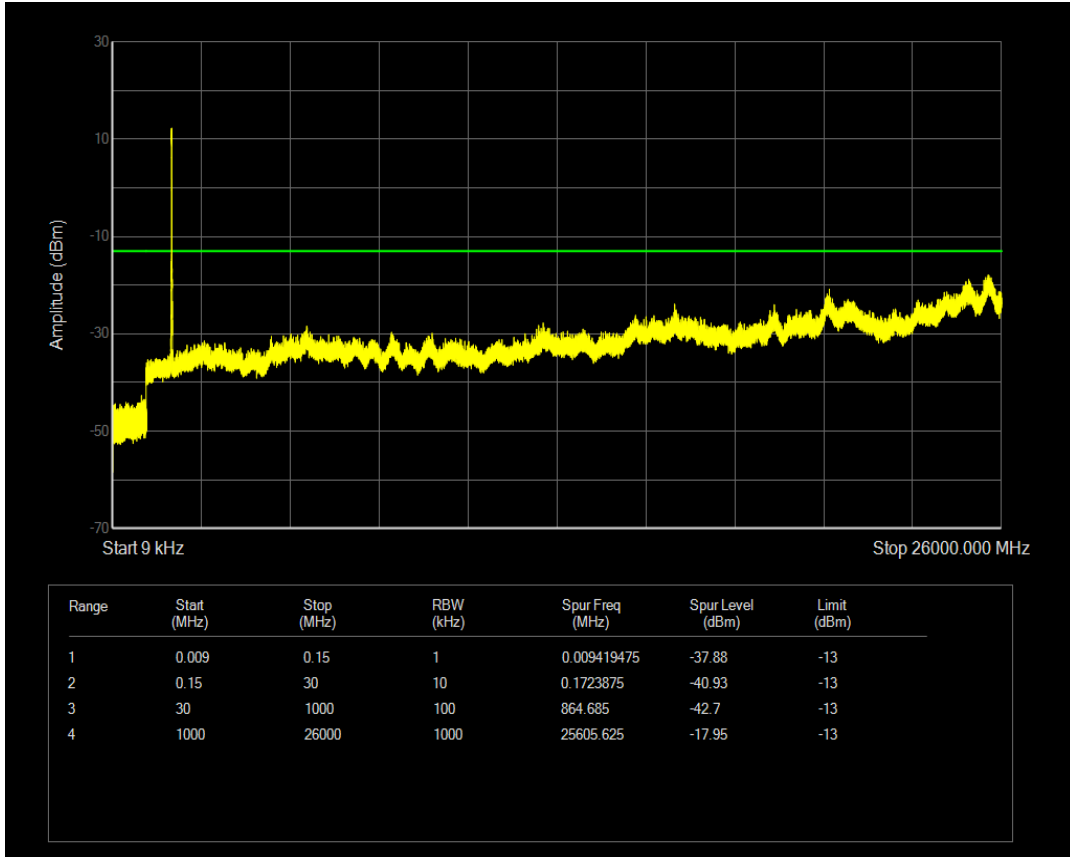


Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0

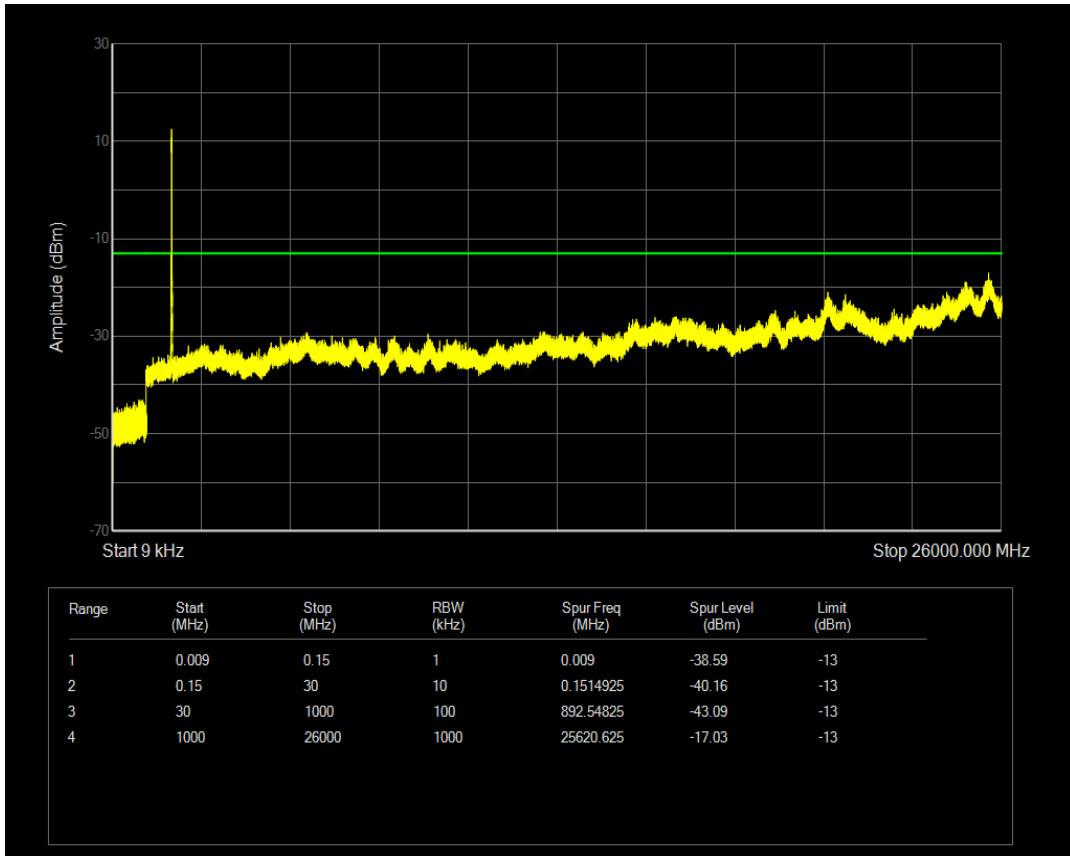


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



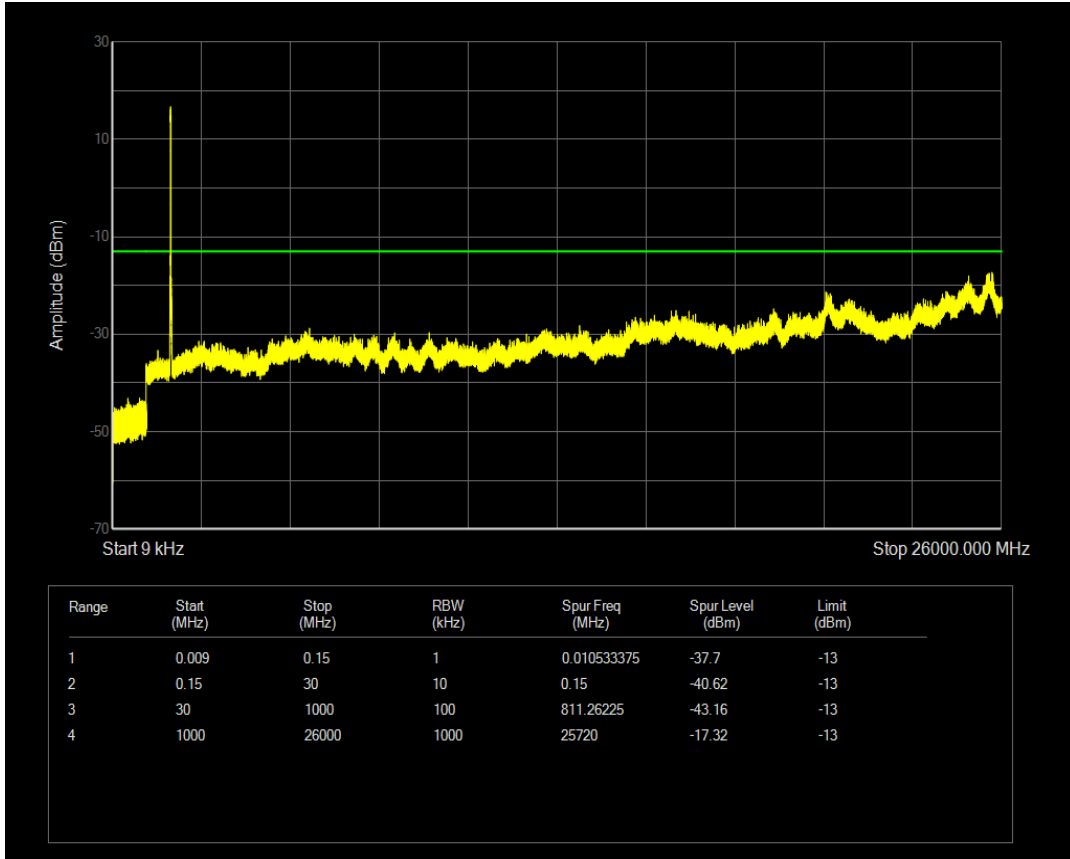


Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0

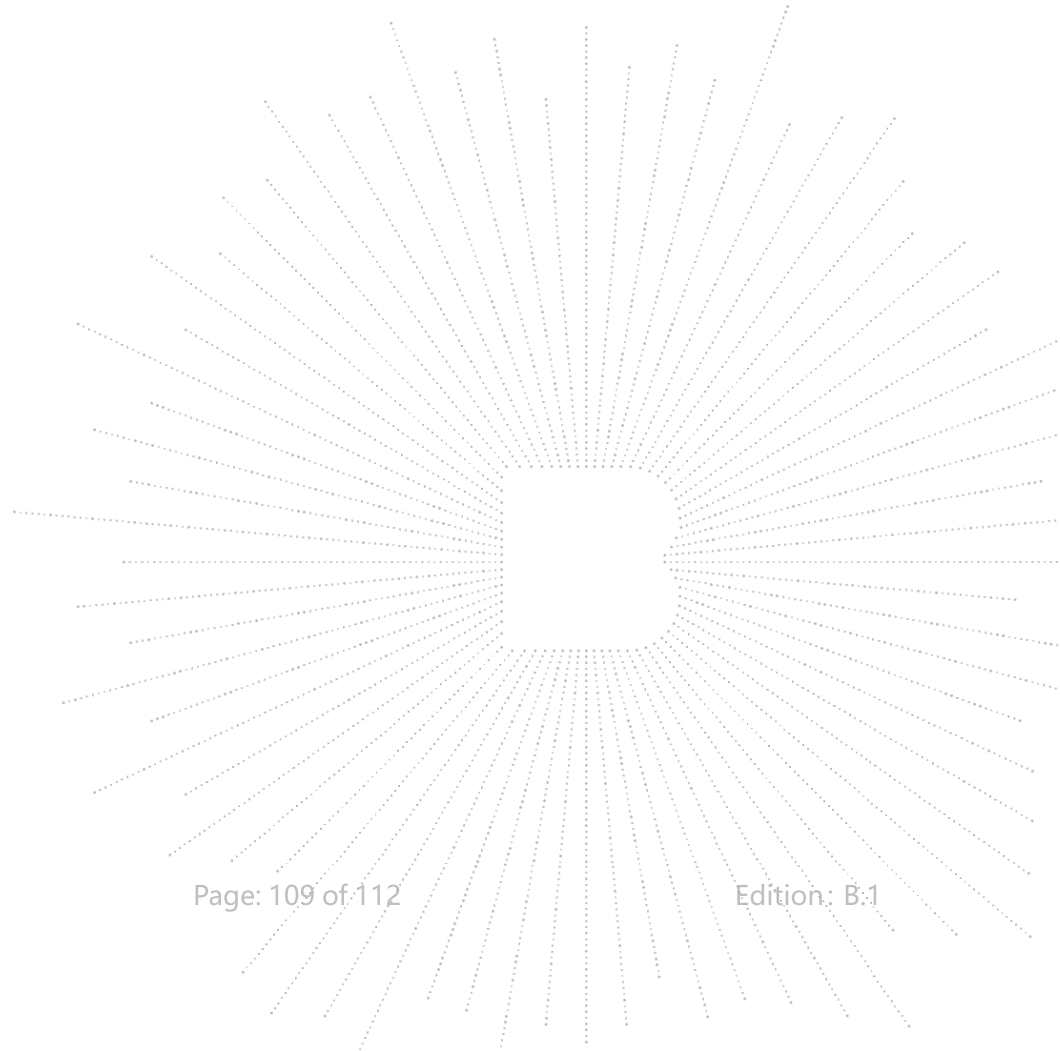


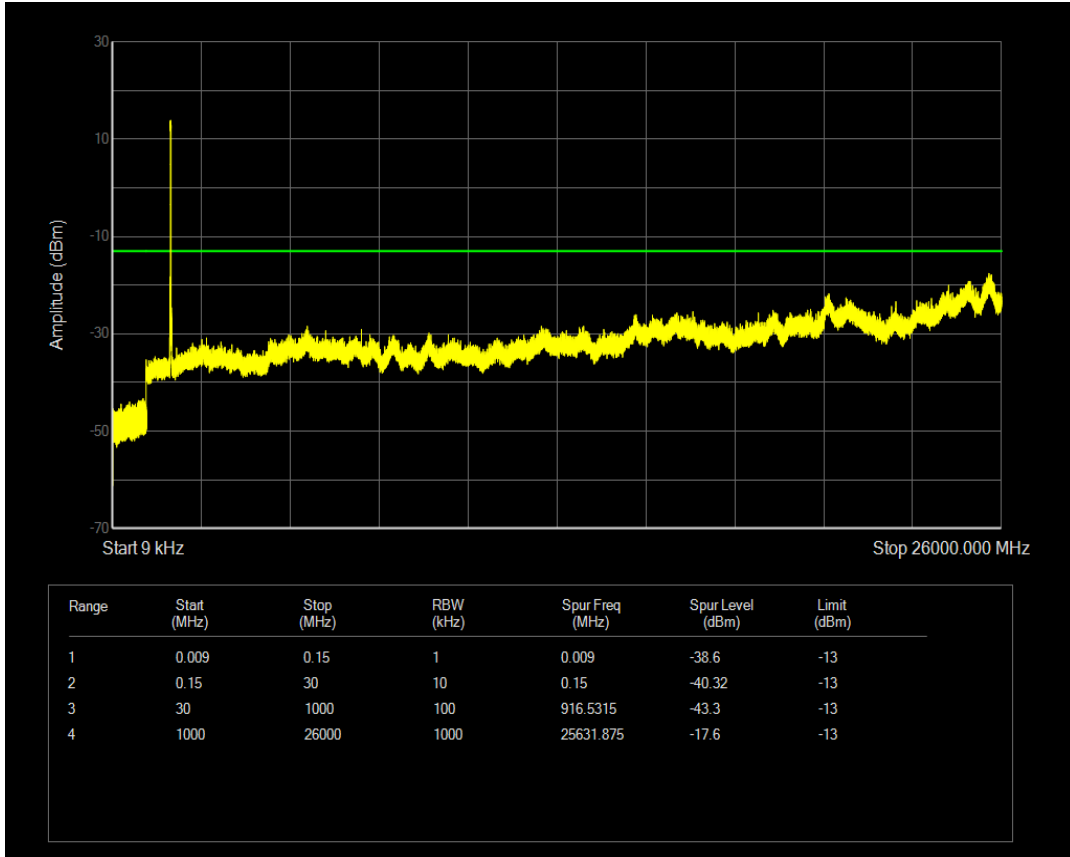


Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0

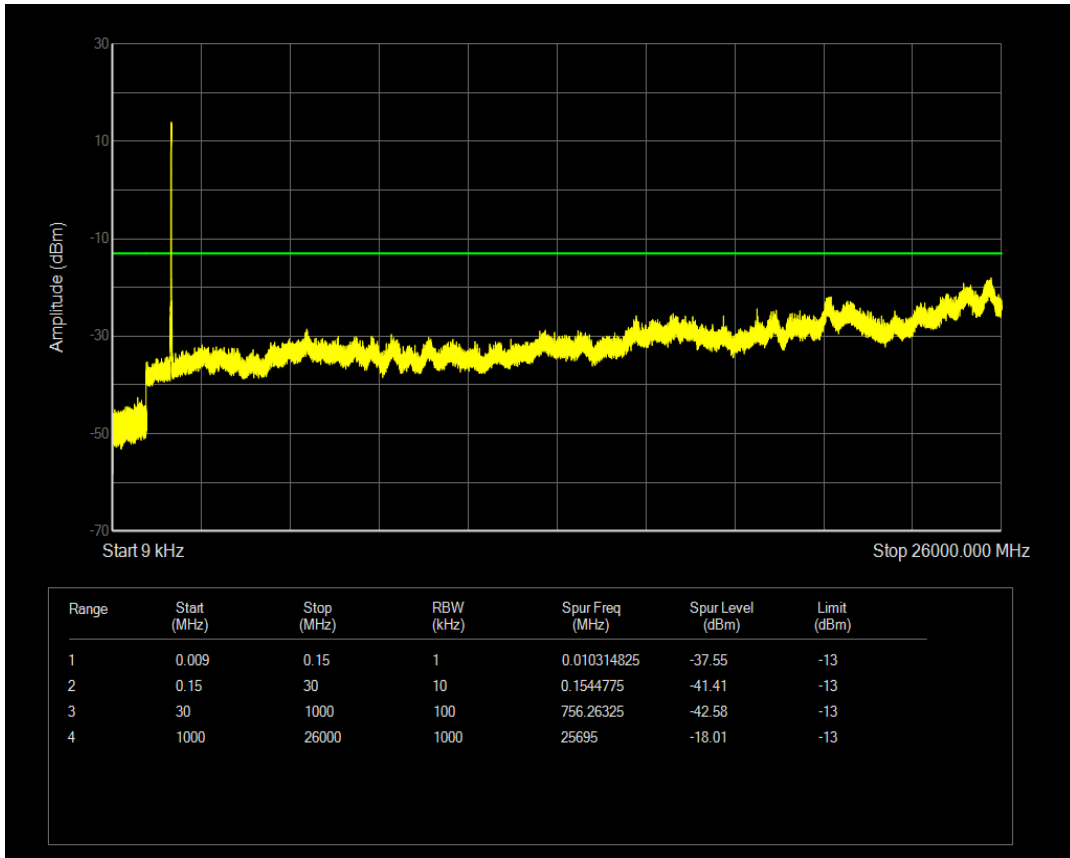


Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



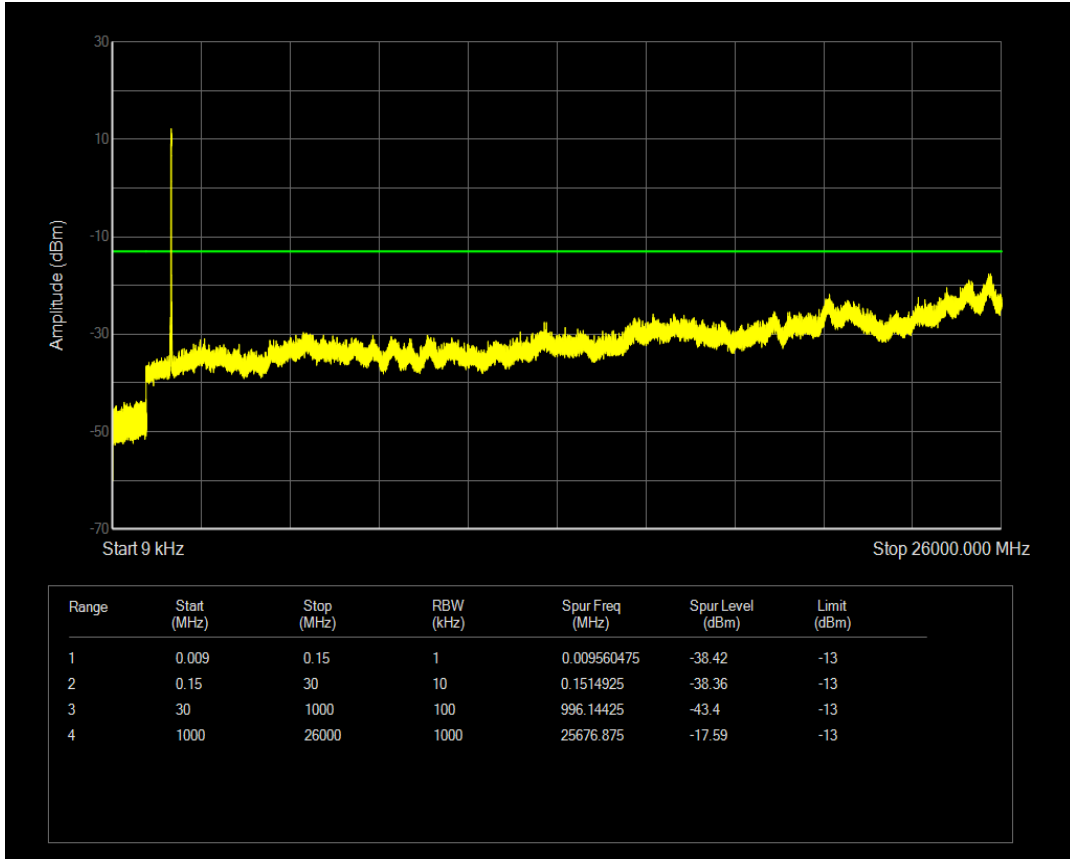


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0

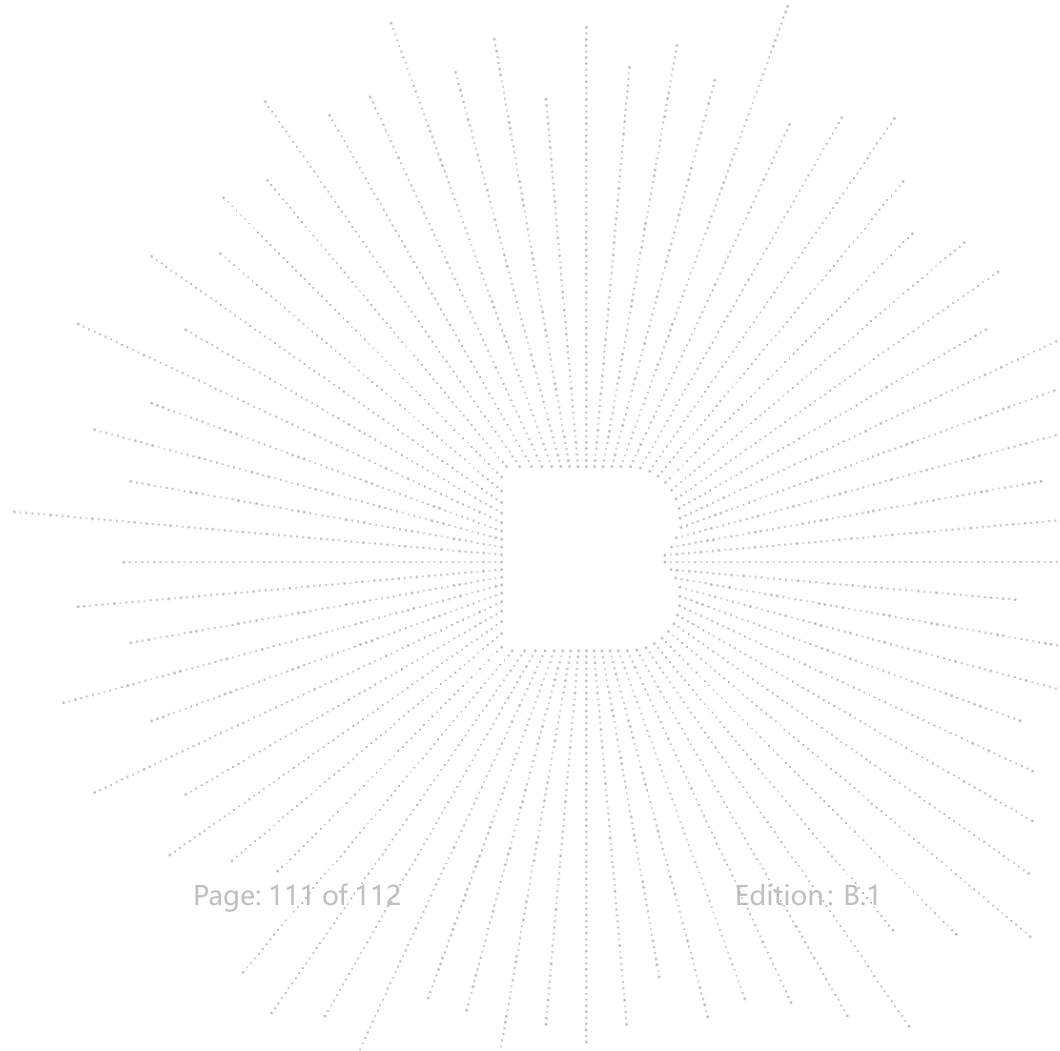


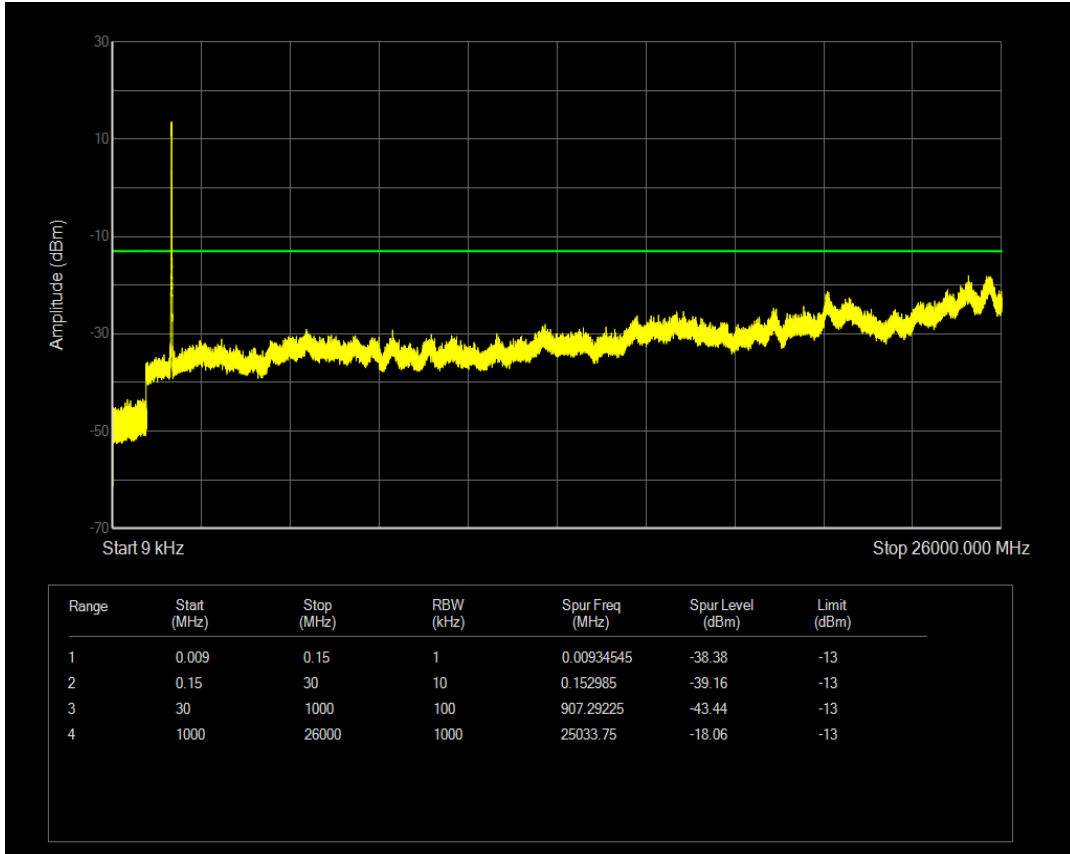


Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



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





Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

