

Appendix for Band 4

Report No.: BCTC2506476417-5E

Applicant: Shanghai TUGE Data Technologies Co., Ltd.

Product Name: Smart Car Holder with Charging & WiFi

Test Model: TC10

Tested Date: 2025-06-24 to 2025-07-30

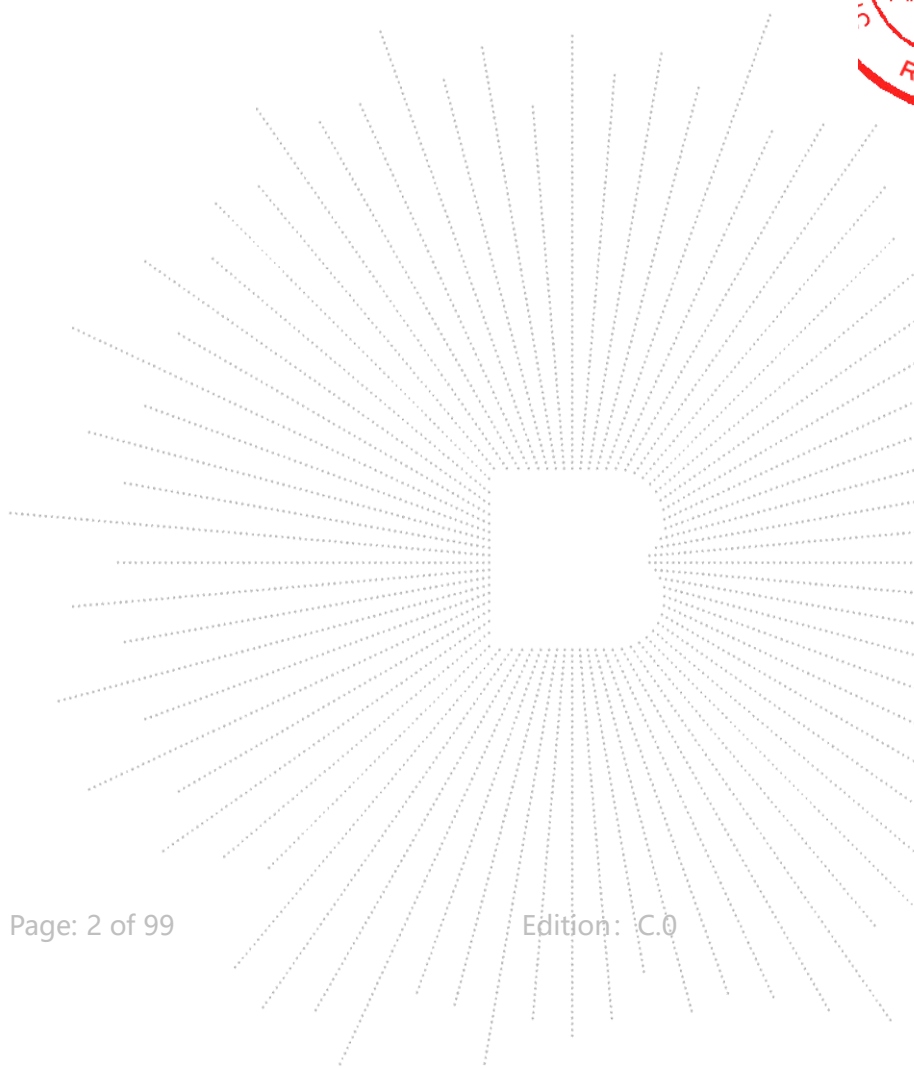
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Shenzhen BCTC Testing Co., Ltd.



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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.63	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.57	PASS
Band4	1.4	19957	1	#Max	QPSK	22.63	PASS
Band4	1.4	19957	3	#0	QPSK	22.46	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.53	PASS
Band4	1.4	19957	3	#Max	QPSK	22.54	PASS
Band4	1.4	19957	6	#0	QPSK	21.53	PASS
Band4	1.4	19957	1	#0	16QAM	22.58	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.54	PASS
Band4	1.4	19957	1	#Max	16QAM	22.65	PASS
Band4	1.4	19957	3	#0	16QAM	21.68	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.75	PASS
Band4	1.4	19957	3	#Max	16QAM	21.75	PASS
Band4	1.4	19957	6	#0	16QAM	20.58	PASS
Band4	1.4	20175	1	#0	QPSK	22.45	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.50	PASS
Band4	1.4	20175	1	#Max	QPSK	22.47	PASS
Band4	1.4	20175	3	#0	QPSK	22.58	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.63	PASS
Band4	1.4	20175	3	#Max	QPSK	22.55	PASS
Band4	1.4	20175	6	#0	QPSK	21.47	PASS
Band4	1.4	20175	1	#0	16QAM	22.25	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.27	PASS
Band4	1.4	20175	1	#Max	16QAM	22.20	PASS
Band4	1.4	20175	3	#0	16QAM	21.66	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.69	PASS
Band4	1.4	20175	3	#Max	16QAM	21.66	PASS
Band4	1.4	20175	6	#0	16QAM	20.52	PASS
Band4	1.4	20393	1	#0	QPSK	22.66	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.54	PASS
Band4	1.4	20393	1	#Max	QPSK	22.69	PASS
Band4	1.4	20393	3	#0	QPSK	22.60	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.47	PASS
Band4	1.4	20393	3	#Max	QPSK	22.60	PASS
Band4	1.4	20393	6	#0	QPSK	21.56	PASS
Band4	1.4	20393	1	#0	16QAM	22.14	PASS
Band4	1.4	20393	1	#Mid	16QAM	22.00	PASS
Band4	1.4	20393	1	#Max	16QAM	22.02	PASS
Band4	1.4	20393	3	#0	16QAM	21.92	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.49	PASS

Band4	1.4	20393	3	#Max	16QAM	21.56	PASS
Band4	1.4	20393	6	#0	16QAM	20.54	PASS
Band4	3	19965	1	#0	QPSK	22.39	PASS
Band4	3	19965	1	#Mid	QPSK	22.38	PASS
Band4	3	19965	1	#Max	QPSK	22.45	PASS
Band4	3	19965	8	#0	QPSK	21.38	PASS
Band4	3	19965	8	#Mid	QPSK	21.49	PASS
Band4	3	19965	8	#Max	QPSK	21.54	PASS
Band4	3	19965	15	#0	QPSK	21.44	PASS
Band4	3	19965	1	#0	16QAM	22.60	PASS
Band4	3	19965	1	#Mid	16QAM	22.60	PASS
Band4	3	19965	1	#Max	16QAM	22.58	PASS
Band4	3	19965	8	#0	16QAM	20.49	PASS
Band4	3	19965	8	#Mid	16QAM	20.51	PASS
Band4	3	19965	8	#Max	16QAM	20.42	PASS
Band4	3	19965	15	#0	16QAM	20.59	PASS
Band4	3	20175	1	#0	QPSK	22.53	PASS
Band4	3	20175	1	#Mid	QPSK	22.52	PASS
Band4	3	20175	1	#Max	QPSK	22.47	PASS
Band4	3	20175	8	#0	QPSK	21.46	PASS
Band4	3	20175	8	#Mid	QPSK	21.48	PASS
Band4	3	20175	8	#Max	QPSK	21.42	PASS
Band4	3	20175	15	#0	QPSK	21.45	PASS
Band4	3	20175	1	#0	16QAM	22.20	PASS
Band4	3	20175	1	#Mid	16QAM	22.12	PASS
Band4	3	20175	1	#Max	16QAM	22.10	PASS
Band4	3	20175	8	#0	16QAM	21.09	PASS
Band4	3	20175	8	#Mid	16QAM	20.86	PASS
Band4	3	20175	8	#Max	16QAM	20.83	PASS
Band4	3	20175	15	#0	16QAM	20.69	PASS
Band4	3	20385	1	#0	QPSK	22.57	PASS
Band4	3	20385	1	#Mid	QPSK	22.73	PASS
Band4	3	20385	1	#Max	QPSK	22.66	PASS
Band4	3	20385	8	#0	QPSK	21.44	PASS
Band4	3	20385	8	#Mid	QPSK	21.50	PASS
Band4	3	20385	8	#Max	QPSK	21.49	PASS
Band4	3	20385	15	#0	QPSK	21.48	PASS
Band4	3	20385	1	#0	16QAM	22.00	PASS
Band4	3	20385	1	#Mid	16QAM	22.02	PASS
Band4	3	20385	1	#Max	16QAM	22.05	PASS
Band4	3	20385	8	#0	16QAM	20.56	PASS
Band4	3	20385	8	#Mid	16QAM	20.62	PASS
Band4	3	20385	8	#Max	16QAM	20.61	PASS
Band4	3	20385	15	#0	16QAM	20.61	PASS

Band4	5	19975	1	#0	QPSK	22.30	PASS
Band4	5	19975	1	#Mid	QPSK	22.27	PASS
Band4	5	19975	1	#Max	QPSK	22.37	PASS
Band4	5	19975	12	#0	QPSK	21.48	PASS
Band4	5	19975	12	#Mid	QPSK	21.36	PASS
Band4	5	19975	12	#Max	QPSK	21.38	PASS
Band4	5	19975	25	#0	QPSK	21.48	PASS
Band4	5	19975	1	#0	16QAM	21.81	PASS
Band4	5	19975	1	#Mid	16QAM	21.83	PASS
Band4	5	19975	1	#Max	16QAM	21.83	PASS
Band4	5	19975	12	#0	16QAM	20.42	PASS
Band4	5	19975	12	#Mid	16QAM	20.49	PASS
Band4	5	19975	12	#Max	16QAM	20.50	PASS
Band4	5	19975	25	#0	16QAM	20.55	PASS
Band4	5	20175	1	#0	QPSK	22.49	PASS
Band4	5	20175	1	#Mid	QPSK	22.52	PASS
Band4	5	20175	1	#Max	QPSK	22.50	PASS
Band4	5	20175	12	#0	QPSK	21.47	PASS
Band4	5	20175	12	#Mid	QPSK	21.52	PASS
Band4	5	20175	12	#Max	QPSK	21.37	PASS
Band4	5	20175	25	#0	QPSK	21.45	PASS
Band4	5	20175	1	#0	16QAM	21.18	PASS
Band4	5	20175	1	#Mid	16QAM	21.26	PASS
Band4	5	20175	1	#Max	16QAM	21.18	PASS
Band4	5	20175	12	#0	16QAM	20.76	PASS
Band4	5	20175	12	#Mid	16QAM	20.41	PASS
Band4	5	20175	12	#Max	16QAM	20.41	PASS
Band4	5	20175	25	#0	16QAM	20.65	PASS
Band4	5	20375	1	#0	QPSK	22.22	PASS
Band4	5	20375	1	#Mid	QPSK	22.23	PASS
Band4	5	20375	1	#Max	QPSK	22.22	PASS
Band4	5	20375	12	#0	QPSK	21.53	PASS
Band4	5	20375	12	#Mid	QPSK	21.45	PASS
Band4	5	20375	12	#Max	QPSK	21.40	PASS
Band4	5	20375	25	#0	QPSK	21.52	PASS
Band4	5	20375	1	#0	16QAM	21.75	PASS
Band4	5	20375	1	#Mid	16QAM	21.79	PASS
Band4	5	20375	1	#Max	16QAM	21.78	PASS
Band4	5	20375	12	#0	16QAM	20.54	PASS
Band4	5	20375	12	#Mid	16QAM	20.55	PASS
Band4	5	20375	12	#Max	16QAM	20.52	PASS
Band4	5	20375	25	#0	16QAM	20.52	PASS
Band4	10	20000	1	#0	QPSK	22.43	PASS
Band4	10	20000	1	#Mid	QPSK	22.43	PASS

Band4	10	20000	1	#Max	QPSK	22.58	PASS
Band4	10	20000	25	#0	QPSK	21.42	PASS
Band4	10	20000	25	#Mid	QPSK	21.60	PASS
Band4	10	20000	25	#Max	QPSK	21.53	PASS
Band4	10	20000	50	#0	QPSK	21.56	PASS
Band4	10	20000	1	#0	16QAM	22.66	PASS
Band4	10	20000	1	#Mid	16QAM	22.75	PASS
Band4	10	20000	1	#Max	16QAM	22.82	PASS
Band4	10	20000	25	#0	16QAM	20.49	PASS
Band4	10	20000	25	#Mid	16QAM	20.47	PASS
Band4	10	20000	25	#Max	16QAM	20.53	PASS
Band4	10	20000	50	#0	16QAM	20.50	PASS
Band4	10	20175	1	#0	QPSK	22.58	PASS
Band4	10	20175	1	#Mid	QPSK	22.59	PASS
Band4	10	20175	1	#Max	QPSK	22.49	PASS
Band4	10	20175	25	#0	QPSK	21.41	PASS
Band4	10	20175	25	#Mid	QPSK	21.41	PASS
Band4	10	20175	25	#Max	QPSK	21.52	PASS
Band4	10	20175	50	#0	QPSK	21.47	PASS
Band4	10	20175	1	#0	16QAM	21.71	PASS
Band4	10	20175	1	#Mid	16QAM	21.59	PASS
Band4	10	20175	1	#Max	16QAM	21.55	PASS
Band4	10	20175	25	#0	16QAM	20.94	PASS
Band4	10	20175	25	#Mid	16QAM	20.64	PASS
Band4	10	20175	25	#Max	16QAM	20.52	PASS
Band4	10	20175	50	#0	16QAM	20.69	PASS
Band4	10	20350	1	#0	QPSK	22.59	PASS
Band4	10	20350	1	#Mid	QPSK	22.45	PASS
Band4	10	20350	1	#Max	QPSK	22.58	PASS
Band4	10	20350	25	#0	QPSK	21.37	PASS
Band4	10	20350	25	#Mid	QPSK	21.46	PASS
Band4	10	20350	25	#Max	QPSK	21.47	PASS
Band4	10	20350	50	#0	QPSK	21.52	PASS
Band4	10	20350	1	#0	16QAM	21.68	PASS
Band4	10	20350	1	#Mid	16QAM	21.66	PASS
Band4	10	20350	1	#Max	16QAM	21.69	PASS
Band4	10	20350	25	#0	16QAM	20.53	PASS
Band4	10	20350	25	#Mid	16QAM	20.51	PASS
Band4	10	20350	25	#Max	16QAM	20.54	PASS
Band4	10	20350	50	#0	16QAM	20.54	PASS
Band4	15	20025	1	#0	QPSK	22.39	PASS
Band4	15	20025	1	#Mid	QPSK	22.48	PASS
Band4	15	20025	1	#Max	QPSK	22.63	PASS
Band4	15	20025	36	#0	QPSK	21.51	PASS

Band4	15	20025	36	#Mid	QPSK	21.55	PASS
Band4	15	20025	36	#Max	QPSK	21.58	PASS
Band4	15	20025	75	#0	QPSK	21.57	PASS
Band4	15	20025	1	#0	16QAM	22.75	PASS
Band4	15	20025	1	#Mid	16QAM	22.73	PASS
Band4	15	20025	1	#Max	16QAM	22.83	PASS
Band4	15	20025	36	#0	16QAM	20.55	PASS
Band4	15	20025	36	#Mid	16QAM	20.69	PASS
Band4	15	20025	36	#Max	16QAM	20.67	PASS
Band4	15	20025	75	#0	16QAM	20.72	PASS
Band4	15	20175	1	#0	QPSK	22.69	PASS
Band4	15	20175	1	#Mid	QPSK	22.57	PASS
Band4	15	20175	1	#Max	QPSK	22.45	PASS
Band4	15	20175	36	#0	QPSK	21.65	PASS
Band4	15	20175	36	#Mid	QPSK	21.49	PASS
Band4	15	20175	36	#Max	QPSK	21.39	PASS
Band4	15	20175	75	#0	QPSK	21.59	PASS
Band4	15	20175	1	#0	16QAM	21.70	PASS
Band4	15	20175	1	#Mid	16QAM	21.65	PASS
Band4	15	20175	1	#Max	16QAM	21.52	PASS
Band4	15	20175	36	#0	16QAM	20.84	PASS
Band4	15	20175	36	#Mid	16QAM	20.70	PASS
Band4	15	20175	36	#Max	16QAM	20.60	PASS
Band4	15	20175	75	#0	16QAM	20.65	PASS
Band4	15	20325	1	#0	QPSK	22.67	PASS
Band4	15	20325	1	#Mid	QPSK	22.65	PASS
Band4	15	20325	1	#Max	QPSK	22.74	PASS
Band4	15	20325	36	#0	QPSK	21.48	PASS
Band4	15	20325	36	#Mid	QPSK	21.35	PASS
Band4	15	20325	36	#Max	QPSK	21.53	PASS
Band4	15	20325	75	#0	QPSK	21.49	PASS
Band4	15	20325	1	#0	16QAM	22.05	PASS
Band4	15	20325	1	#Mid	16QAM	22.10	PASS
Band4	15	20325	1	#Max	16QAM	22.19	PASS
Band4	15	20325	36	#0	16QAM	20.55	PASS
Band4	15	20325	36	#Mid	16QAM	20.62	PASS
Band4	15	20325	36	#Max	16QAM	20.51	PASS
Band4	15	20325	75	#0	16QAM	20.54	PASS
Band4	20	20050	1	#0	QPSK	22.46	PASS
Band4	20	20050	1	#Mid	QPSK	22.57	PASS
Band4	20	20050	1	#Max	QPSK	22.53	PASS
Band4	20	20050	50	#0	QPSK	21.60	PASS
Band4	20	20050	50	#Mid	QPSK	21.55	PASS
Band4	20	20050	50	#Max	QPSK	21.55	PASS

Band4	20	20050	100	#0	QPSK	21.56	PASS
Band4	20	20050	1	#0	16QAM	21.29	PASS
Band4	20	20050	1	#Mid	16QAM	21.36	PASS
Band4	20	20050	1	#Max	16QAM	21.20	PASS
Band4	20	20050	50	#0	16QAM	20.70	PASS
Band4	20	20050	50	#Mid	16QAM	20.69	PASS
Band4	20	20050	50	#Max	16QAM	20.75	PASS
Band4	20	20050	100	#0	16QAM	20.67	PASS
Band4	20	20175	1	#0	QPSK	22.66	PASS
Band4	20	20175	1	#Mid	QPSK	22.65	PASS
Band4	20	20175	1	#Max	QPSK	22.48	PASS
Band4	20	20175	50	#0	QPSK	21.56	PASS
Band4	20	20175	50	#Mid	QPSK	21.51	PASS
Band4	20	20175	50	#Max	QPSK	21.44	PASS
Band4	20	20175	100	#0	QPSK	21.41	PASS
Band4	20	20175	1	#0	16QAM	21.72	PASS
Band4	20	20175	1	#Mid	16QAM	21.68	PASS
Band4	20	20175	1	#Max	16QAM	21.55	PASS
Band4	20	20175	50	#0	16QAM	20.67	PASS
Band4	20	20175	50	#Mid	16QAM	20.63	PASS
Band4	20	20175	50	#Max	16QAM	20.45	PASS
Band4	20	20175	100	#0	16QAM	20.54	PASS
Band4	20	20300	1	#0	QPSK	22.65	PASS
Band4	20	20300	1	#Mid	QPSK	22.62	PASS
Band4	20	20300	1	#Max	QPSK	22.66	PASS
Band4	20	20300	50	#0	QPSK	21.50	PASS
Band4	20	20300	50	#Mid	QPSK	21.42	PASS
Band4	20	20300	50	#Max	QPSK	21.44	PASS
Band4	20	20300	100	#0	QPSK	21.54	PASS
Band4	20	20300	1	#0	16QAM	21.55	PASS
Band4	20	20300	1	#Mid	16QAM	21.54	PASS
Band4	20	20300	1	#Max	16QAM	21.65	PASS
Band4	20	20300	50	#0	16QAM	20.57	PASS
Band4	20	20300	50	#Mid	16QAM	20.51	PASS
Band4	20	20300	50	#Max	16QAM	20.53	PASS
Band4	20	20300	100	#0	16QAM	20.57	PASS



Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-1.76	-0.001	-2.5	2.5	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-9.01	-0.005	-2.5	2.5	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-11.20	-0.007	-2.5	2.5	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-9.94	-0.006	-2.5	2.5	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-11.26	-0.007	-2.5	2.5	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-8.38	-0.005	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-4.86	-0.003	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-7.85	-0.005	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-10.60	-0.006	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-8.08	-0.005	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-7.90	-0.005	-2.5	2.5	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-6.41	-0.004	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-4.06	-0.002	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-8.14	-0.005	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-7.84	-0.004	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-6.81	-0.004	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-5.31	-0.003	-2.5	2.5	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-3.36	-0.002	-2.5	2.5	PASS



Ban d4	3	19965	15	#0	QPSK	LV	NT	6.37	0.00 4	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	NT	-2.8 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	HV	NT	0.16	0.00 0	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	LV	NT	4.76	0.00 3	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	NT	7.17	0.00 4	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	HV	NT	7.27	0.00 4	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	LV	NT	12.5 3	0.00 7	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	NT	9.64	0.00 6	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	HV	NT	8.90	0.00 5	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	LV	NT	9.63	0.00 6	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	NT	13.0 0	0.00 8	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	HV	NT	13.2 3	0.00 8	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	LV	NT	-8.0 0	-0.0 05	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	NT	-12. 17	-0.0 07	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	HV	NT	-10. 66	-0.0 06	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	LV	NT	-8.4 7	-0.0 05	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	NT	-6.3 2	-0.0 04	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	HV	NT	-4.6 5	-0.0 03	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	LV	NT	-30. 01	-0.0 18	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	NT	-10. 51	-0.0 06	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	HV	NT	-6.3 7	-0.0 04	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	LV	NT	-3.3 5	-0.0 02	-2.5	2.5	PAS S



Ban d4	5	19975	25	#0	16QAM	NV	NT	-0.9 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	HV	NT	1.13	0.00 1	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	LV	NT	18.2 5	0.01 1	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	NT	13.7 3	0.00 8	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	HV	NT	14.2 8	0.00 8	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	LV	NT	14.9 6	0.00 9	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	NT	17.0 4	0.01 0	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	HV	NT	17.1 1	0.01 0	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	LV	NT	-5.8 5	-0.0 03	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	NT	-9.3 6	-0.0 05	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	HV	NT	-8.7 7	-0.0 05	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	LV	NT	-8.5 0	-0.0 05	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	NT	-3.6 8	-0.0 02	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	HV	NT	-3.3 5	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	LV	NT	-22. 46	-0.0 13	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	NT	-31. 51	-0.0 18	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	HV	NT	-28. 34	-0.0 17	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	LV	NT	-26. 75	-0.0 16	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	NT	-25. 01	-0.0 15	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	HV	NT	-23. 96	-0.0 14	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	LV	NT	5.88	0.00 3	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	NT	4.89	0.00 3	-2.5	2.5	PAS S

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Ban d4	10	20175	50	#0	QPSK	HV	NT	3.12	0.00 2	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	LV	NT	3.28	0.00 2	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	NT	6.41	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	HV	NT	6.42	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	LV	NT	-3.0 8	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	NT	-5.5 6	-0.0 03	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	HV	NT	-1.3 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	LV	NT	-0.7 0	0.00 0	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	NT	0.79	0.00 0	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	HV	NT	0.80	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	LV	NT	-17. 48	-0.0 10	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	NT	-3.4 5	-0.0 02	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	HV	NT	0.13	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	LV	NT	0.27	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	NT	0.41	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	HV	NT	-2.0 7	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	LV	NT	5.41	0.00 3	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	NT	3.89	0.00 2	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	HV	NT	5.89	0.00 3	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	LV	NT	7.30	0.00 4	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	NT	10.0 3	0.00 6	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	HV	NT	9.44	0.00 5	-2.5	2.5	PAS S

CO., LTD.



Ban d4	15	20325	75	#0	QPSK	LV	NT	-8.4 5	-0.0 05	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	NT	-10. 19	-0.0 06	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	HV	NT	-5.7 9	-0.0 03	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	LV	NT	-2.4 9	-0.0 01	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	NT	0.34	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	HV	NT	2.42	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	LV	NT	-18. 32	-0.01 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	NT	1.04	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	HV	NT	3.35	0.00 2	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	LV	NT	5.56	0.00 3	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	NT	7.25	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	HV	NT	6.54	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	LV	NT	6.24	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	NT	3.83	0.00 2	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	HV	NT	4.94	0.00 3	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	LV	NT	7.87	0.00 5	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	NT	10.8 1	0.00 6	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	HV	NT	10.6 0	0.00 6	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	LV	NT	-6.5 1	-0.0 04	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	NT	-6.0 4	-0.0 03	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	HV	NT	-2.5 6	-0.0 01	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	LV	NT	-0.11	0.00 0	-2.5	2.5	PAS S

SHENZHEN

Ban d4	20	20300	10 0	#0	16QAM	NV	NT	4.19	0.00 2	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	HV	NT	4.92	0.00 3	-2.5	2.5	PAS S

Ban d	Bandwi dth (MHz)	UL Chann el	RB Siz e	RB Positi on	Modulati on	Volta ge (Vdc)	Temperat ue (C)	Res ult (Hz)	Res ult (pp m)	Low Limi t (pp m)	high Limi t (pp m)	Verdi ct
Ban d4	1.4	19957	6	#0	QPSK	NV	-30	23.4 3	0.01 4	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	-20	17.3 1	0.01 0	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	0	15.5 9	0.00 9	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	10	14.3 9	0.00 8	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	20	15.1 6	0.00 9	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	30	15.8 6	0.00 9	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	40	17.0 7	0.01 0	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	QPSK	NV	50	22.2 3	0.01 3	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	-30	21.4 9	0.01 3	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	-20	25.2 2	0.01 5	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	0	29.7 5	0.01 7	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	10	31.3 9	0.01 8	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	20	31.4 6	0.01 8	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	30	34.1 5	0.02 0	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	40	34.3 8	0.02 0	-2.5	2.5	PAS S
Ban d4	1.4	19957	6	#0	16QAM	NV	50	38.3 2	0.02 2	-2.5	2.5	PAS S
Ban	1.4	20175	6	#0	QPSK	NV	-30	40.2	0.02	-2.5	2.5	PAS



d4								0	3			S
Ban d4	1.4	20175	6	#0	QPSK	NV	-20	38.8 5	0.02 2	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	0	36.9 8	0.02 1	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	10	39.2 7	0.02 3	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	20	38.3 1	0.02 2	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	30	35.9 8	0.02 1	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	40	35.9 5	0.02 1	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	QPSK	NV	50	34.8 8	0.02 0	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	-30	35.7 9	0.02 1	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	-20	40.0 3	0.02 3	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	0	39.8 0	0.02 3	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	10	42.7 2	0.02 5	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	20	43.3 9	0.02 5	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	30	43.5 7	0.02 5	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	40	47.9 2	0.02 8	-2.5	2.5	PAS S
Ban d4	1.4	20175	6	#0	16QAM	NV	50	49.1 7	0.02 8	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	-30	-7.9 5	-0.0 05	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	-20	-7.7 8	-0.0 04	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	0	-6.0 5	-0.0 03	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	10	-9.2 3	-0.0 05	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	20	-9.1 7	-0.0 05	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	QPSK	NV	30	-9.4 1	-0.0 05	-2.5	2.5	PAS S
Ban	1.4	20393	6	#0	QPSK	NV	40	-9.4	-0.0	-2.5	2.5	PAS



d4								1	05			S
Ban d4	1.4	20393	6	#0	QPSK	NV	50	-10. 76	-0.0 06	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	-30	-10. 34	-0.0 06	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	-20	-11.2 9	-0.0 06	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	0	-9.0 7	-0.0 05	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	10	-5.9 7	-0.0 03	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	20	-7.3 7	-0.0 04	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	30	-5.8 8	-0.0 03	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	40	-4.1 2	-0.0 02	-2.5	2.5	PAS S
Ban d4	1.4	20393	6	#0	16QAM	NV	50	-0.7 4	0.00 0	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	-30	-13. 23	-0.0 08	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	-20	-22. 03	-0.0 13	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	0	-26. 79	-0.0 16	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	10	-30. 68	-0.0 18	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	20	-32. 43	-0.0 19	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	30	-36. 78	-0.0 21	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	40	-36. 59	-0.0 21	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	QPSK	NV	50	-35. 85	-0.0 21	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	-30	-41. 54	-0.0 24	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	-20	-41. 34	-0.0 24	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	0	-38. 81	-0.0 23	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	10	-41. 58	-0.0 24	-2.5	2.5	PAS S
Ban	3	19965	15	#0	16QAM	NV	20	-40.	-0.0	-2.5	2.5	PAS



d4								33	24			S
Ban d4	3	19965	15	#0	16QAM	NV	30	-41. 17	-0.0 24	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	40	-39. 12	-0.0 23	-2.5	2.5	PAS S
Ban d4	3	19965	15	#0	16QAM	NV	50	-36. 46	-0.0 21	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	-30	-39. 35	-0.0 23	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	-20	-39. 32	-0.0 23	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	0	-36. 66	-0.0 21	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	10	-40. 96	-0.0 24	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	20	-45. 13	-0.0 26	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	30	-45. 62	-0.0 26	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	40	-50. 08	-0.0 29	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	QPSK	NV	50	9.70	0.00 6	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	-30	6.42	0.00 4	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	-20	5.36	0.00 3	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	0	5.55	0.00 3	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	10	5.58	0.00 3	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	20	4.18	0.00 2	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	30	7.82	0.00 5	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	40	5.94	0.00 3	-2.5	2.5	PAS S
Ban d4	3	20175	15	#0	16QAM	NV	50	6.25	0.00 4	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	-30	9.16	0.00 5	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	-20	9.74	0.00 6	-2.5	2.5	PAS S
Ban	3	20385	15	#0	QPSK	NV	0	9.68	0.00	-2.5	2.5	PAS

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d4									6			S
Ban d4	3	20385	15	#0	QPSK	NV	10	4.33	0.00 2	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	20	1.37	0.00 1	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	30	3.71	0.00 2	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	40	0.04	0.00 0	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	QPSK	NV	50	-6.0 1	-0.0 03	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	-30	-7.4 7	-0.0 04	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	-20	-4.7 5	-0.0 03	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	0	-6.2 7	-0.0 04	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	10	-5.3 4	-0.0 03	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	20	-7.9 1	-0.0 05	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	30	-2.3 7	-0.0 01	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	40	-6.4 9	-0.0 04	-2.5	2.5	PAS S
Ban d4	3	20385	15	#0	16QAM	NV	50	-3.3 5	-0.0 02	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	-30	10.4 0	0.00 6	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	-20	2.02	0.00 1	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	0	-3.8 2	-0.0 02	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	10	-4.7 1	-0.0 03	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	20	-4.0 5	-0.0 02	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	30	-6.4 8	-0.0 04	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	40	-11.5 3	-0.0 07	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	QPSK	NV	50	-12. 72	-0.0 07	-2.5	2.5	PAS S
Ban	5	19975	25	#0	16QAM	NV	-30	-14.	-0.0	-2.5	2.5	PAS

CO. LTD.



d4								38	08			S
Ban d4	5	19975	25	#0	16QAM	NV	-20	-10. 51	-0.0 06	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	0	-13. 06	-0.0 08	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	10	-14. 18	-0.0 08	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	20	-15. 62	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	30	-14. 98	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	40	-14. 76	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	19975	25	#0	16QAM	NV	50	-12. 96	-0.0 08	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	-30	-15. 76	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	-20	-12. 30	-0.0 07	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	0	-12. 56	-0.0 07	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	10	-16. 39	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	20	-18. 90	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	30	-21. 36	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	40	-21. 39	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	QPSK	NV	50	-30. 84	-0.0 18	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	-30	-30. 21	-0.0 17	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	-20	-27. 59	-0.0 16	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	0	-26. 97	-0.0 16	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	10	-24. 79	-0.0 14	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	20	-25. 62	-0.0 15	-2.5	2.5	PAS S
Ban d4	5	20175	25	#0	16QAM	NV	30	-23. 36	-0.0 13	-2.5	2.5	PAS S
Ban	5	20175	25	#0	16QAM	NV	40	-21.	-0.0	-2.5	2.5	PAS



d4								49	12			S
Ban d4	5	20175	25	#0	16QAM	NV	50	-19. 91	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	-30	-16. 28	-0.0 09	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	-20	-20. 36	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	0	-21. 86	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	10	-19. 17	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	20	-18. 15	-0.0 10	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	30	-17. 62	-0.0 10	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	40	-20. 53	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	QPSK	NV	50	-19. 93	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	-30	-21. 07	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	-20	-21.1 1	-0.0 12	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	0	-20. 03	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	10	-24. 30	-0.0 14	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	20	-23. 22	-0.0 13	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	30	-19. 20	-0.01 1	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	40	-17. 52	-0.0 10	-2.5	2.5	PAS S
Ban d4	5	20375	25	#0	16QAM	NV	50	-17. 44	-0.0 10	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	-30	18.2 5	0.01 1	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	-20	10.7 0	0.00 6	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	0	9.91 6	0.00 6	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	10	8.83 5	0.00 5	-2.5	2.5	PAS S
Ban	10	20000	50	#0	QPSK	NV	20	7.78	0.00	-2.5	2.5	PAS





d4									5			S
Ban d4	10	20000	50	#0	QPSK	NV	30	4.01	0.00 2	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	40	0.72	0.00 0	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	QPSK	NV	50	-6.0 8	-0.0 04	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	-30	-7.8 5	-0.0 05	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	-20	-6.1 4	-0.0 04	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	0	-3.6 3	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	10	1.37	0.00 1	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	20	2.86	0.00 2	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	30	2.98	0.00 2	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	40	6.25	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20000	50	#0	16QAM	NV	50	7.35	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	-30	7.35	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	-20	7.28	0.00 4	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	0	2.47	0.00 1	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	10	0.39	0.00 0	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	20	-3.2 5	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	30	-5.8 5	-0.0 03	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	40	-7.9 5	-0.0 05	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	QPSK	NV	50	-13. 52	-0.0 08	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	-30	-18. 31	-0.01 1	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	-20	-16. 51	-0.0 10	-2.5	2.5	PAS S
Ban	10	20175	50	#0	16QAM	NV	0	-13.	-0.0	-2.5	2.5	PAS



d4								55	08			S
Ban d4	10	20175	50	#0	16QAM	NV	10	-11.7 0	-0.0 07	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	20	-13. 50	-0.0 08	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	30	-8.6 7	-0.0 05	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	40	-8.1 0	-0.0 05	-2.5	2.5	PAS S
Ban d4	10	20175	50	#0	16QAM	NV	50	-4.6 3	-0.0 03	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	-30	-3.5 0	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	-20	-3.0 3	-0.0 02	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	0	-6.4 5	-0.0 04	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	10	-10. 16	-0.0 06	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	20	-11.1 9	-0.0 06	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	30	-11.4 7	-0.0 07	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	40	-16. 48	-0.0 09	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	QPSK	NV	50	-22. 10	-0.0 13	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	-30	-24. 82	-0.0 14	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	-20	-25. 36	-0.0 14	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	0	-23. 29	-0.0 13	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	10	-24. 39	-0.0 14	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	20	-22. 12	-0.0 13	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	30	-21. 06	-0.0 12	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	40	-23. 03	-0.0 13	-2.5	2.5	PAS S
Ban d4	10	20350	50	#0	16QAM	NV	50	-21. 20	-0.0 12	-2.5	2.5	PAS S
Ban	15	20025	75	#0	QPSK	NV	-30	33.2	0.01	-2.5	2.5	PAS



d4								3	9			S
Ban d4	15	20025	75	#0	QPSK	NV	-20	19.8 7	0.01 2	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	0	14.1 3	0.00 8	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	10	7.82	0.00 5	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	20	8.93	0.00 5	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	30	-3.7 6	-0.0 02	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	40	-11.1 9	-0.0 07	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	QPSK	NV	50	-16. 77	-0.0 10	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	-30	-22. 99	-0.0 13	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	-20	-22. 80	-0.0 13	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	0	-24. 30	-0.0 14	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	10	-20. 37	-0.0 12	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	20	-17. 61	-0.0 10	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	30	-18. 07	-0.01 1	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	40	-13. 85	-0.0 08	-2.5	2.5	PAS S
Ban d4	15	20025	75	#0	16QAM	NV	50	-12. 75	-0.0 07	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	-30	-9.8 3	-0.0 06	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	-20	-12. 65	-0.0 07	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	0	-20. 28	-0.0 12	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	10	-21. 77	-0.0 13	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	20	-29. 70	-0.0 17	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	QPSK	NV	30	-34. 33	-0.0 20	-2.5	2.5	PAS S
Ban	15	20175	75	#0	QPSK	NV	40	-39. 33	-0.0	-2.5	2.5	PAS

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d4								50	23			S
Ban d4	15	20175	75	#0	QPSK	NV	50	-46. 82	-0.0 27	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	-30	5.05	0.00 3	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	-20	11.8 9	0.00 7	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	0	9.96	0.00 6	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	10	14.3 1	0.00 8	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	20	16.6 2	0.01 0	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	30	19.2 4	0.01 1	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	40	23.0 3	0.01 3	-2.5	2.5	PAS S
Ban d4	15	20175	75	#0	16QAM	NV	50	24.6 2	0.01 4	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	-30	30.8 0	0.01 8	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	-20	27.0 9	0.01 6	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	0	23.6 7	0.01 4	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	10	17.5 0	0.01 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	20	10.2 9	0.00 6	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	30	7.54	0.00 4	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	40	5.92	0.00 3	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	QPSK	NV	50	1.97	0.00 1	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	-30	-3.2 6	-0.0 02	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	-20	0.54	0.00 0	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	0	2.82	0.00 2	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	10	6.81	0.00 4	-2.5	2.5	PAS S
Ban	15	20325	75	#0	16QAM	NV	20	8.18	0.00	-2.5	2.5	PAS



d4									5			S
Ban d4	15	20325	75	#0	16QAM	NV	30	12.1 3	0.00 7	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	40	16.1 4	0.00 9	-2.5	2.5	PAS S
Ban d4	15	20325	75	#0	16QAM	NV	50	19.4 7	0.01 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	-30	16.0 6	0.00 9	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	-20	11.0 1	0.00 6	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	0	9.81	0.00 6	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	10	7.57	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	20	-0.5 7	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	30	-11.3 0	-0.0 07	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	40	-22. 03	-0.0 13	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	QPSK	NV	50	-34. 16	-0.0 20	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	-30	-47. 35	-0.0 28	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	-20	-42. 31	-0.0 25	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	0	10.0 6	0.00 6	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	10	7.42	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	20	7.01	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	30	4.29	0.00 2	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	40	1.12	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20050	10 0	#0	16QAM	NV	50	0.36	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	-30	2.10	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	-20	-4.8 6	-0.0 03	-2.5	2.5	PAS S
Ban	20	20175	10	#0	QPSK	NV	0	-8.5	-0.0	-2.5	2.5	PAS

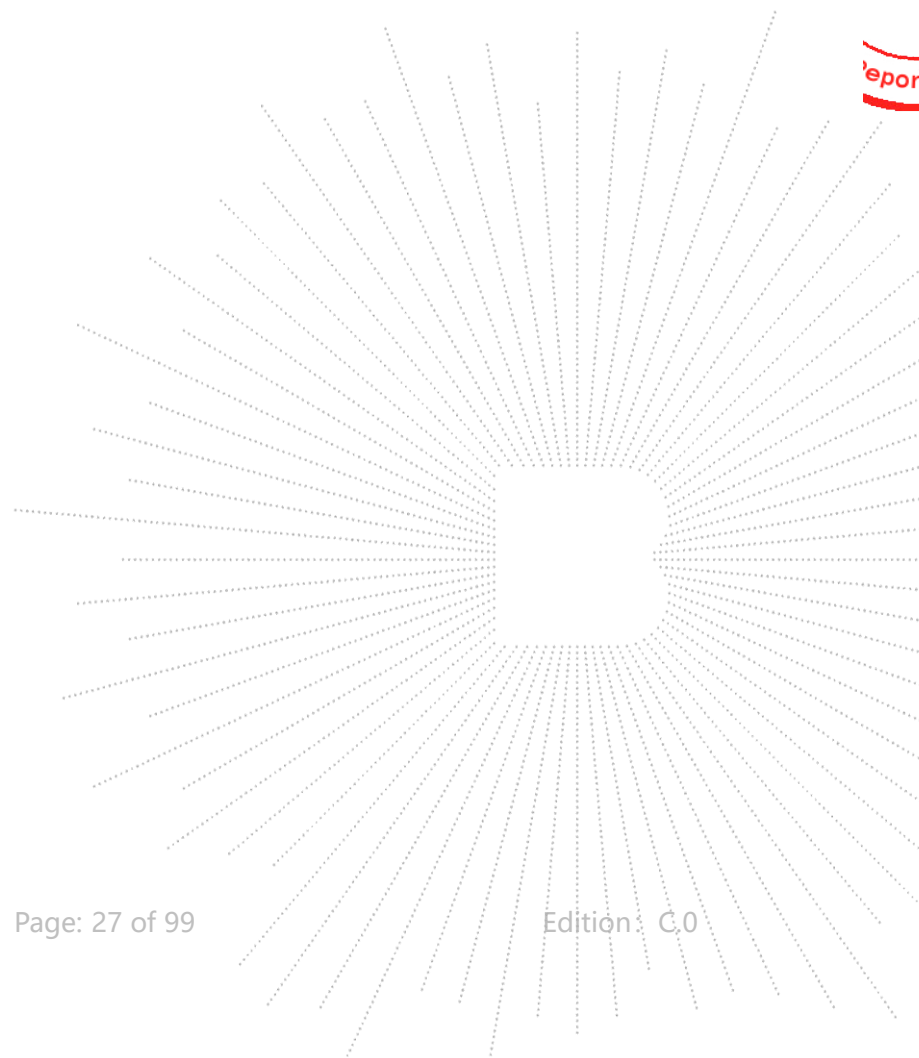
SHENZHEN



d4			0					0	05			S
Ban d4	20	20175	10 0	#0	QPSK	NV	10	-18. 54	-0.01 1	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	20	-25. 98	-0.0 15	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	30	-31. 93	-0.0 18	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	40	-37. 94	-0.0 22	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	QPSK	NV	50	-43. 60	-0.0 25	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	-30	-46. 46	-0.0 27	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	-20	-47. 88	-0.0 28	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	0	-45. 88	-0.0 26	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	10	-43. 03	-0.0 25	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	20	-39. 83	-0.0 23	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	30	-37. 57	-0.0 22	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	40	-35. 95	-0.0 21	-2.5	2.5	PAS S
Ban d4	20	20175	10 0	#0	16QAM	NV	50	-31. 27	-0.0 18	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	-30	-28. 20	-0.0 16	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	-20	-33. 06	-0.0 19	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	0	-36. 56	-0.0 21	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	10	-40. 38	-0.0 23	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	20	-49. 17	-0.0 28	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	30	7.31	0.00 4	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	40	1.95	0.00 1	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	QPSK	NV	50	-1.5 9	-0.0 01	-2.5	2.5	PAS S
Ban	20	20300	10	#0	16QAM	NV	-30	-6.5	-0.0	-2.5	2.5	PAS

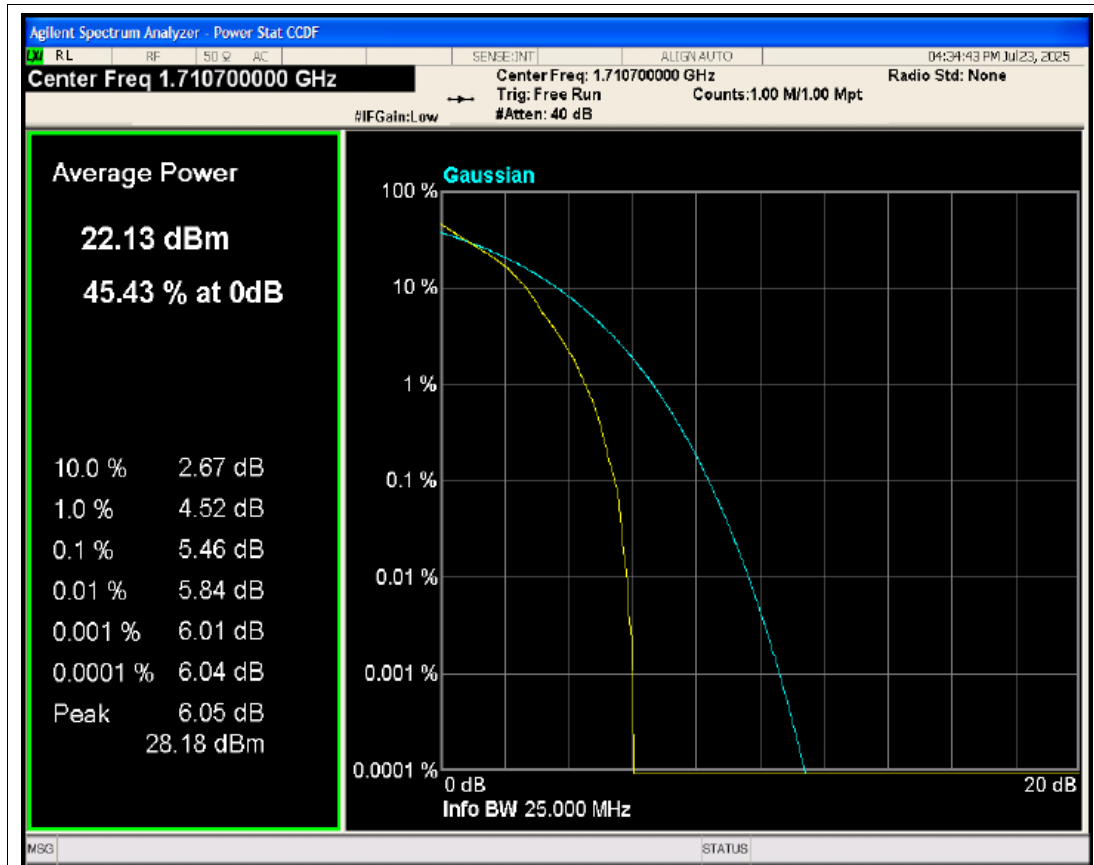


d4			0					7	04			S
Ban d4	20	20300	10 0	#0	16QAM	NV	-20	-5.6 8	-0.0 03	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	0	-7.3 5	-0.0 04	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	10	-7.2 5	-0.0 04	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	20	-7.4 4	-0.0 04	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	30	-3.1 2	-0.0 02	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	40	0.13	0.00 0	-2.5	2.5	PAS S
Ban d4	20	20300	10 0	#0	16QAM	NV	50	1.92	0.00 1	-2.5	2.5	PAS S

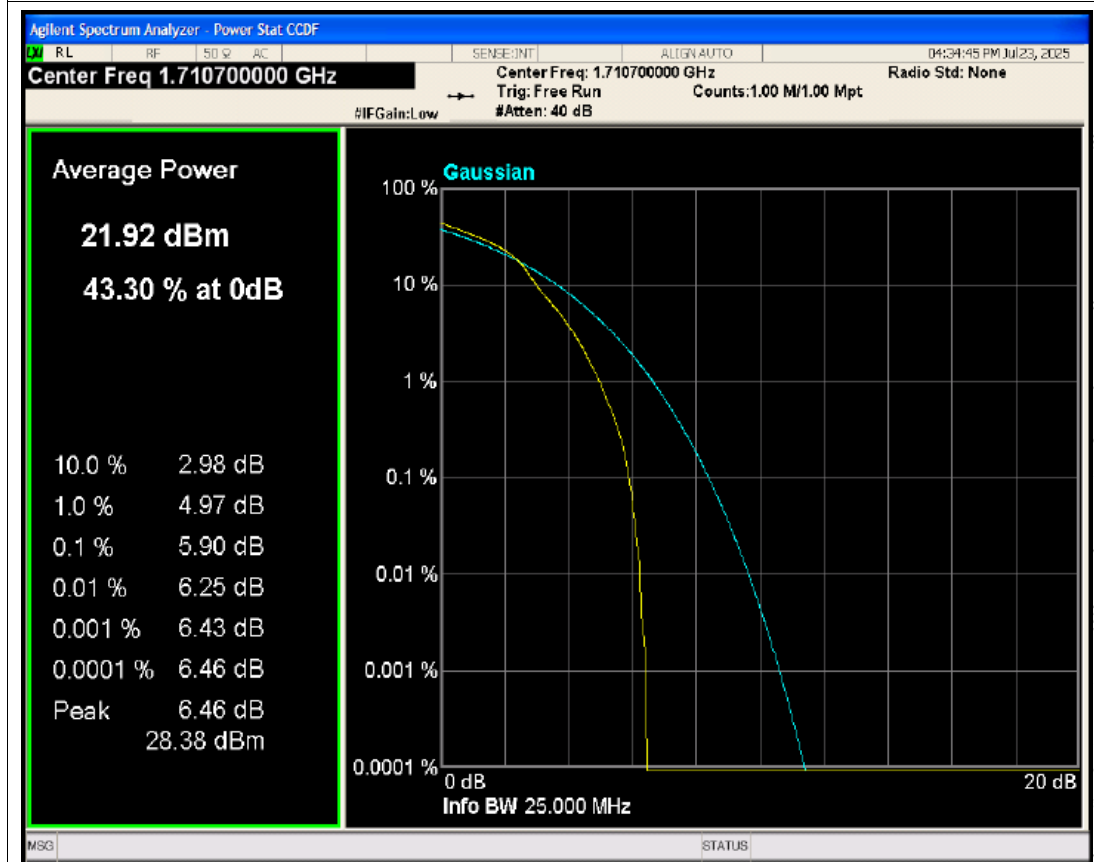


Appendix 3. Peak-to-Average Ratio

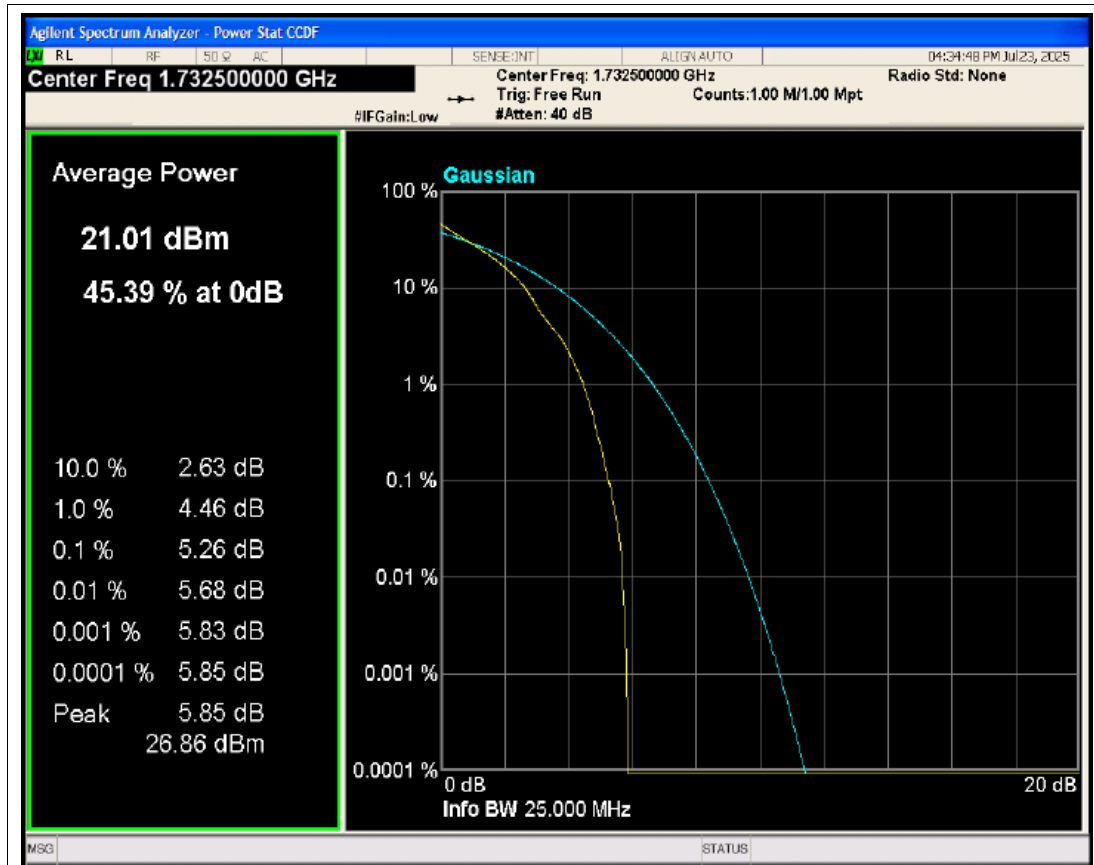
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.46	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.90	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.26	13	PASS
Band4	1.4	20175	1	#0	16QAM	6.06	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.06	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.85	13	PASS
Band4	3	19965	1	#0	QPSK	5.40	13	PASS
Band4	3	19965	1	#0	16QAM	6.30	13	PASS
Band4	3	20175	1	#0	QPSK	5.29	13	PASS
Band4	3	20175	1	#0	16QAM	6.11	13	PASS
Band4	3	20385	1	#0	QPSK	5.07	13	PASS
Band4	3	20385	1	#0	16QAM	5.73	13	PASS
Band4	5	19975	1	#0	QPSK	5.50	13	PASS
Band4	5	19975	1	#0	16QAM	6.18	13	PASS
Band4	5	20175	1	#0	QPSK	5.30	13	PASS
Band4	5	20175	1	#0	16QAM	5.95	13	PASS
Band4	5	20375	1	#0	QPSK	5.59	13	PASS
Band4	5	20375	1	#0	16QAM	6.28	13	PASS
Band4	10	20000	1	#0	QPSK	5.45	13	PASS
Band4	10	20000	1	#0	16QAM	6.42	13	PASS
Band4	10	20175	1	#0	QPSK	5.63	13	PASS
Band4	10	20175	1	#0	16QAM	6.61	13	PASS
Band4	10	20350	1	#0	QPSK	5.45	13	PASS
Band4	10	20350	1	#0	16QAM	6.23	13	PASS
Band4	15	20025	1	#0	QPSK	5.34	13	PASS
Band4	15	20025	1	#0	16QAM	6.39	13	PASS
Band4	15	20175	1	#0	QPSK	5.73	13	PASS
Band4	15	20175	1	#0	16QAM	6.74	13	PASS
Band4	15	20325	1	#0	QPSK	5.67	13	PASS
Band4	15	20325	1	#0	16QAM	6.26	13	PASS
Band4	20	20050	1	#0	QPSK	5.09	13	PASS
Band4	20	20050	1	#0	16QAM	5.90	13	PASS
Band4	20	20175	1	#0	QPSK	5.72	13	PASS
Band4	20	20175	1	#0	16QAM	6.54	13	PASS
Band4	20	20300	1	#0	QPSK	5.35	13	PASS
Band4	20	20300	1	#0	16QAM	6.25	13	PASS



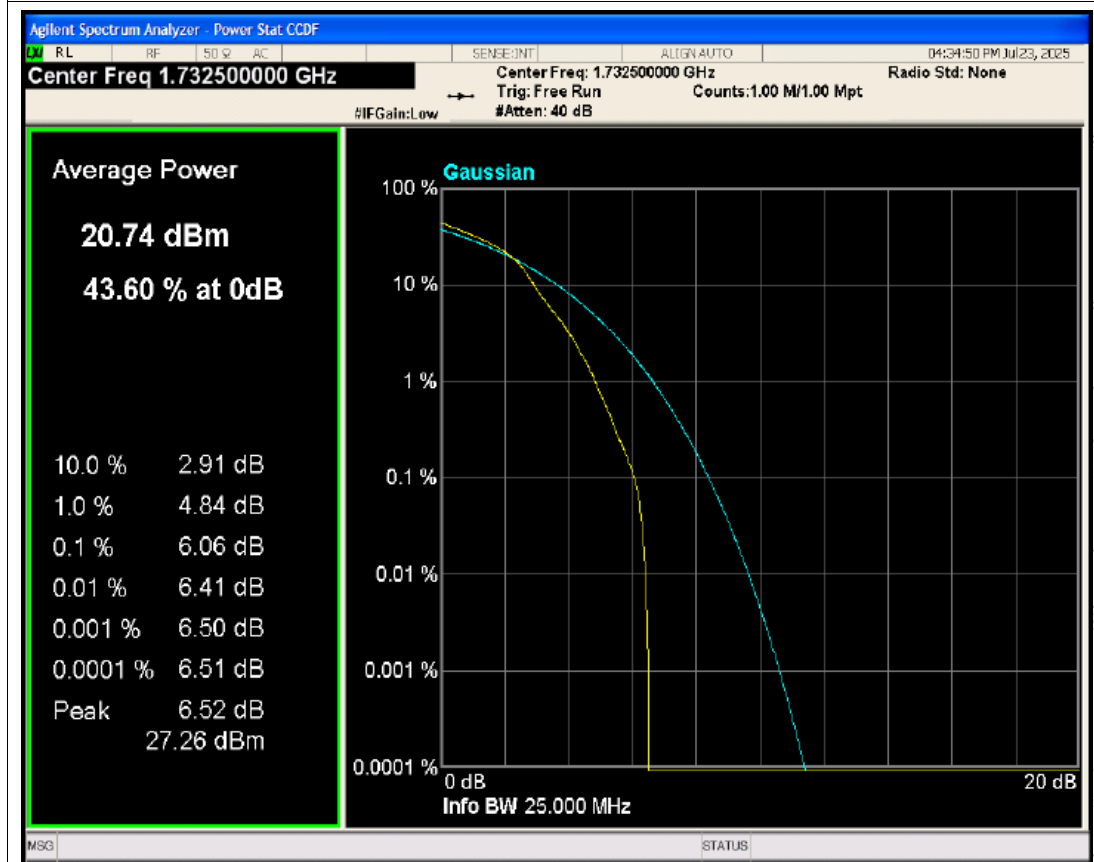
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



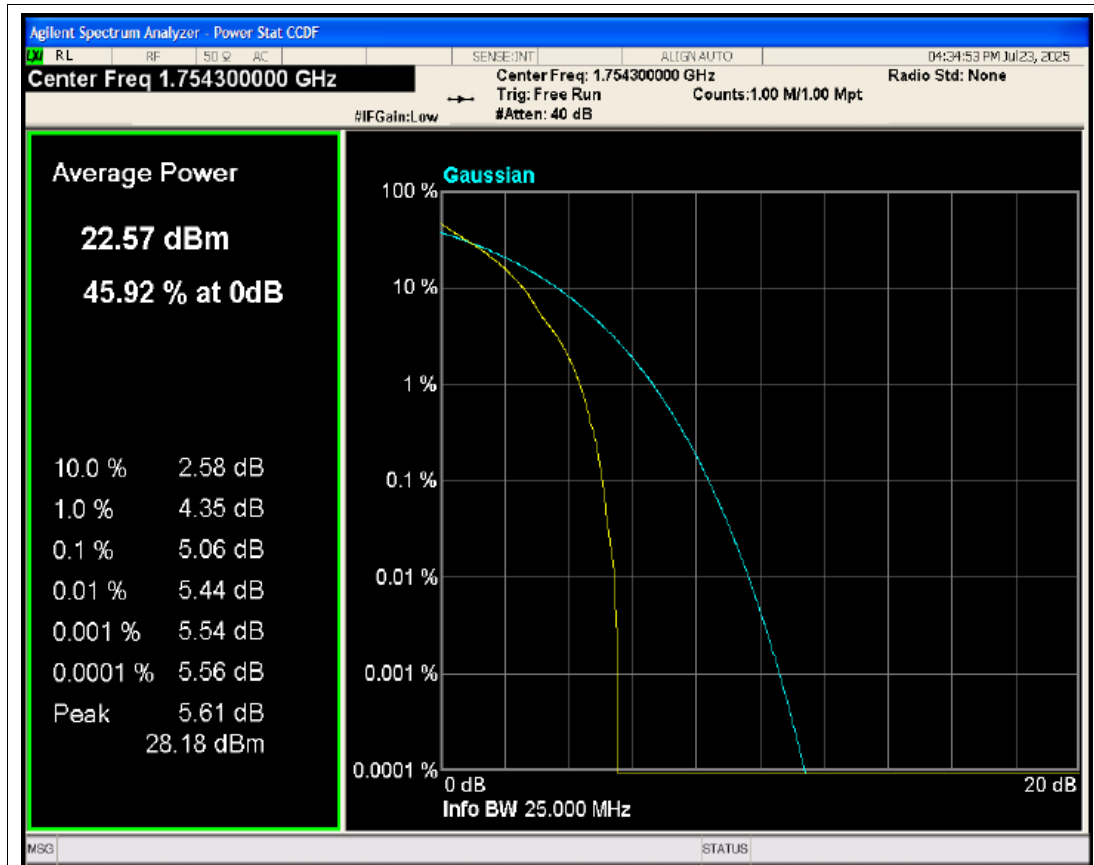
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0 NVNT



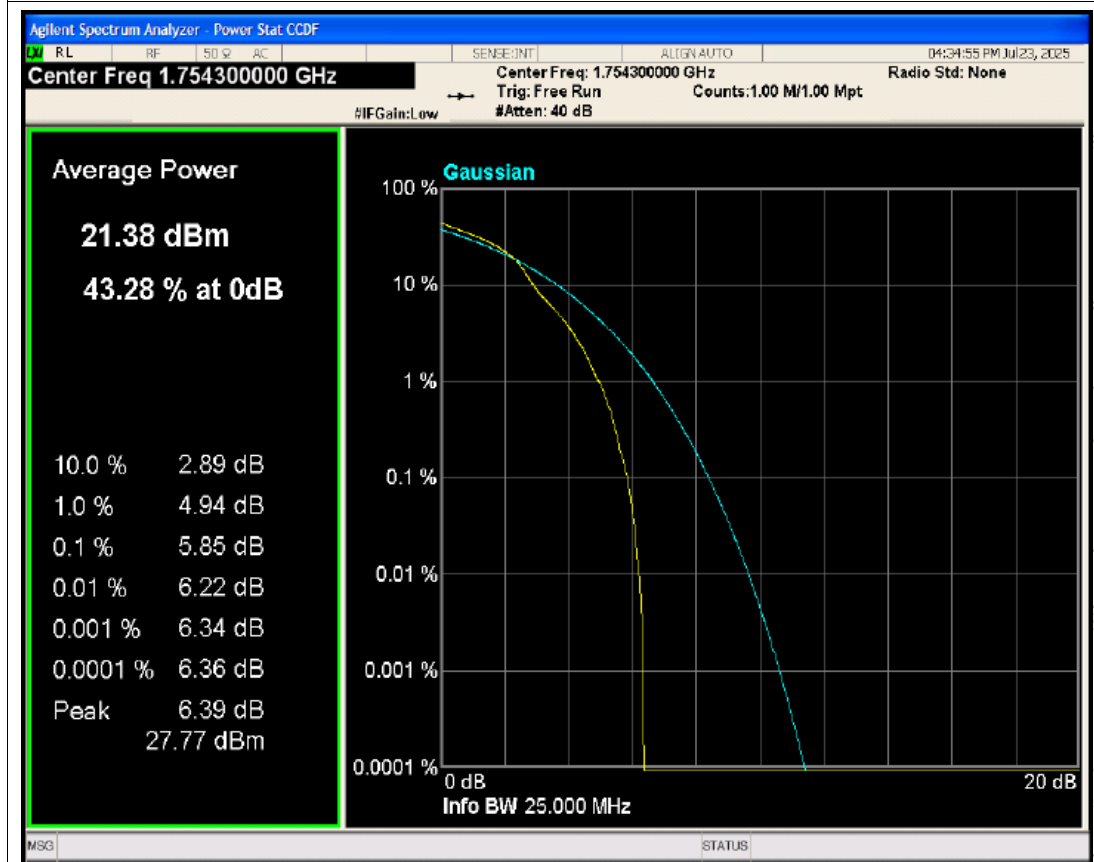
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



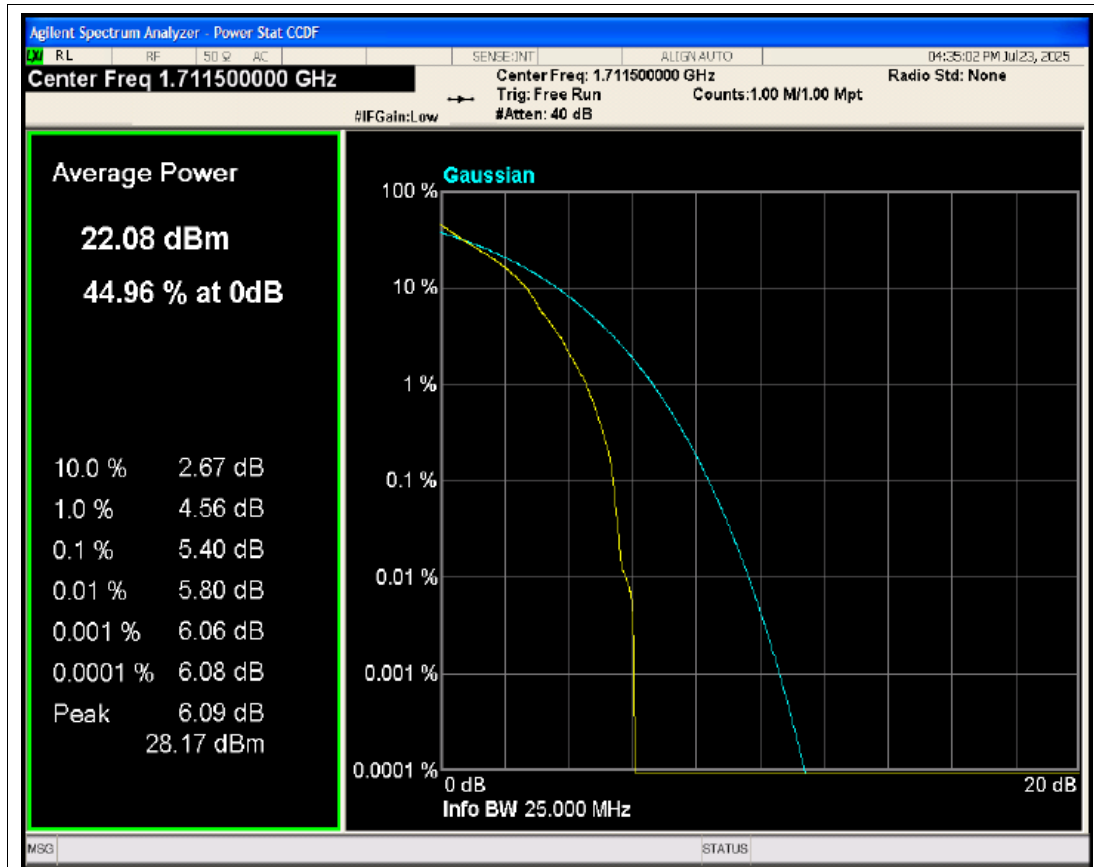
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0 NVNT



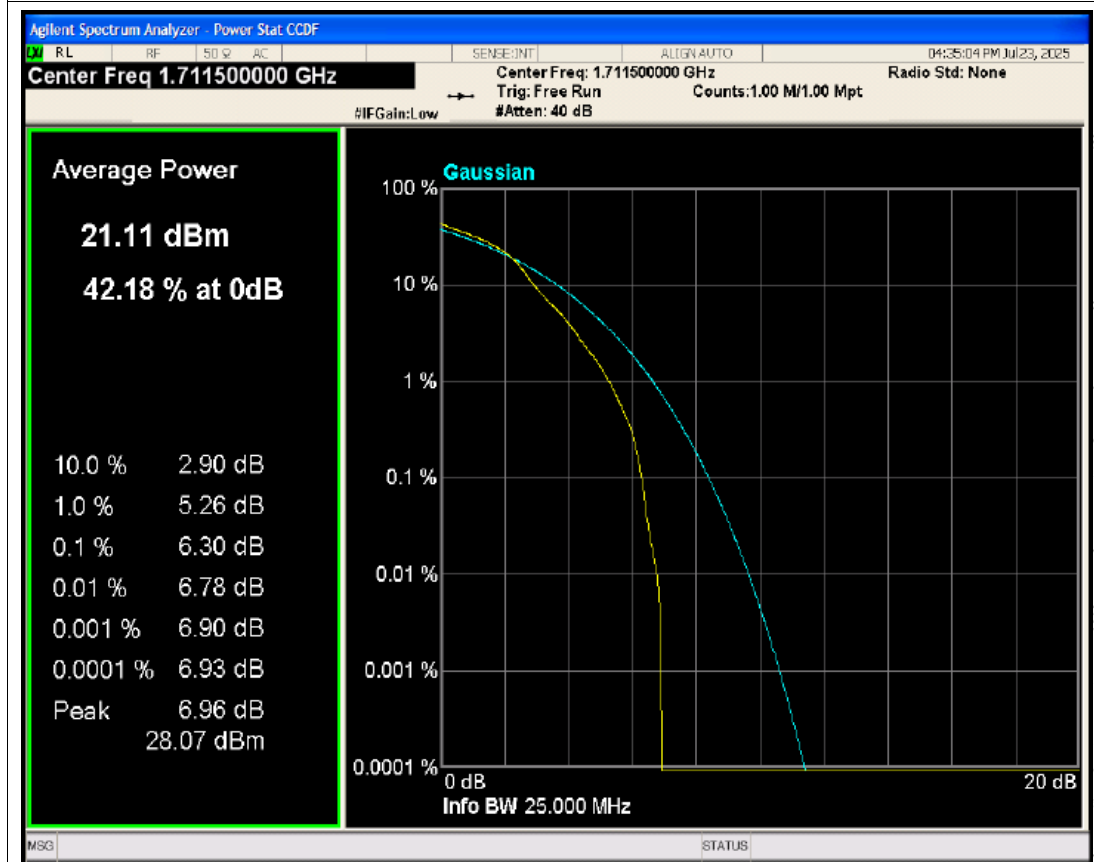
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT



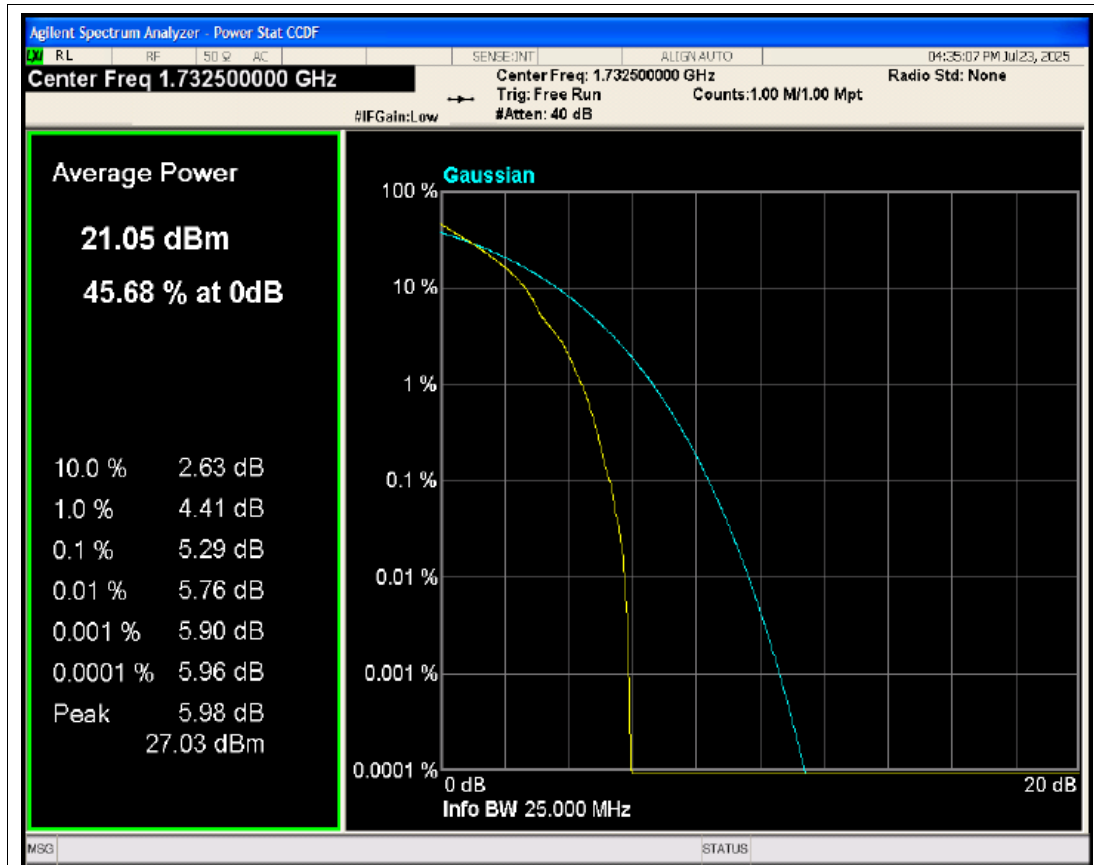
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0 NVNT



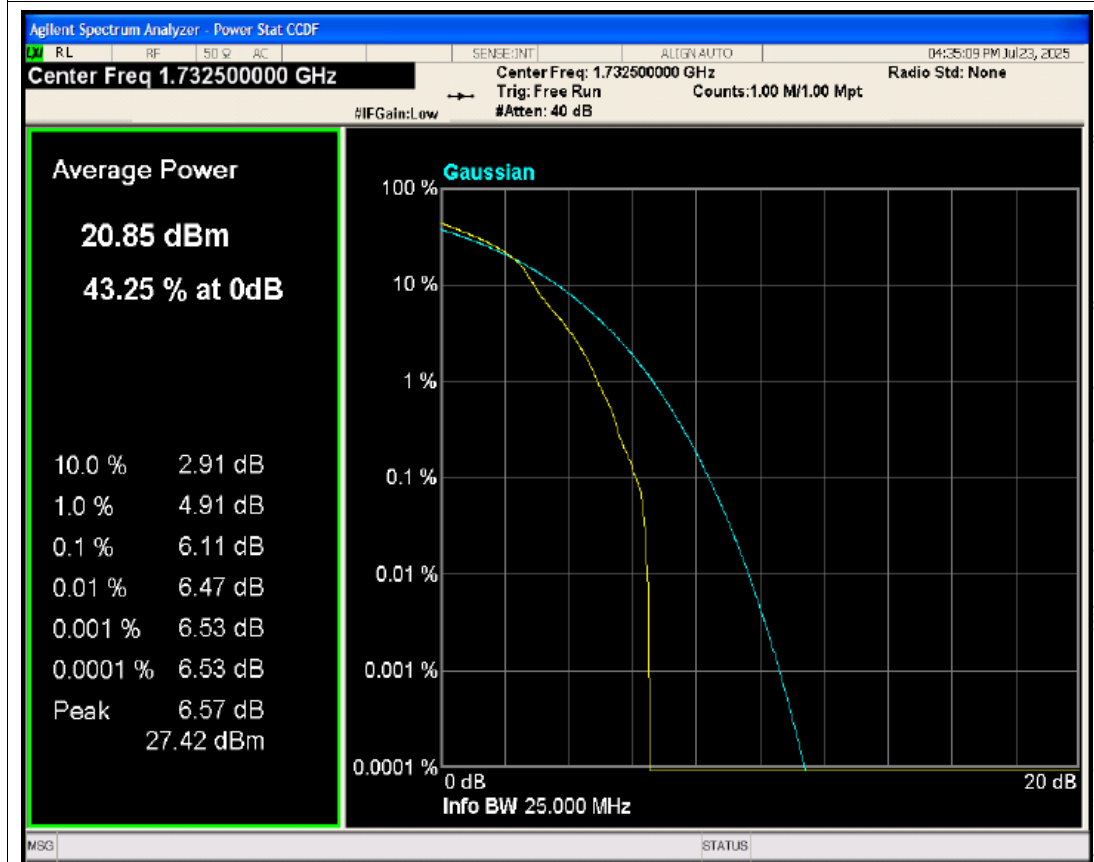
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT



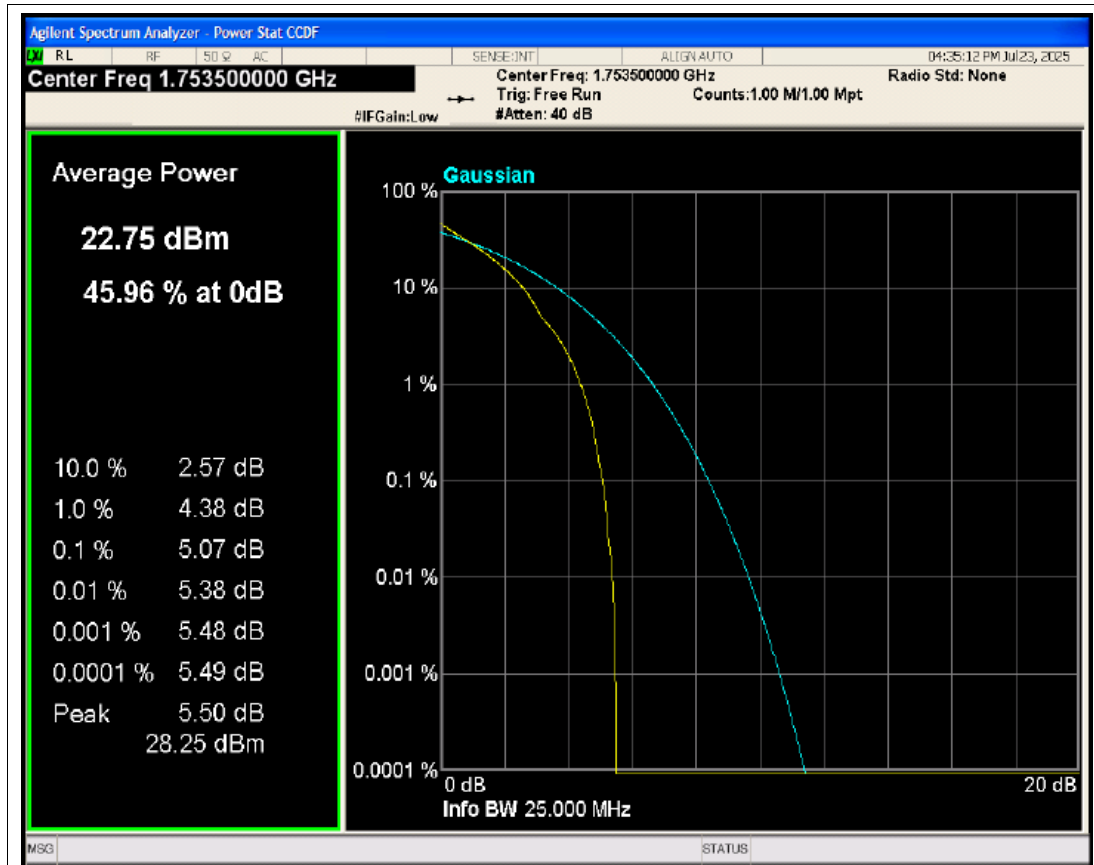
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0 NVNT



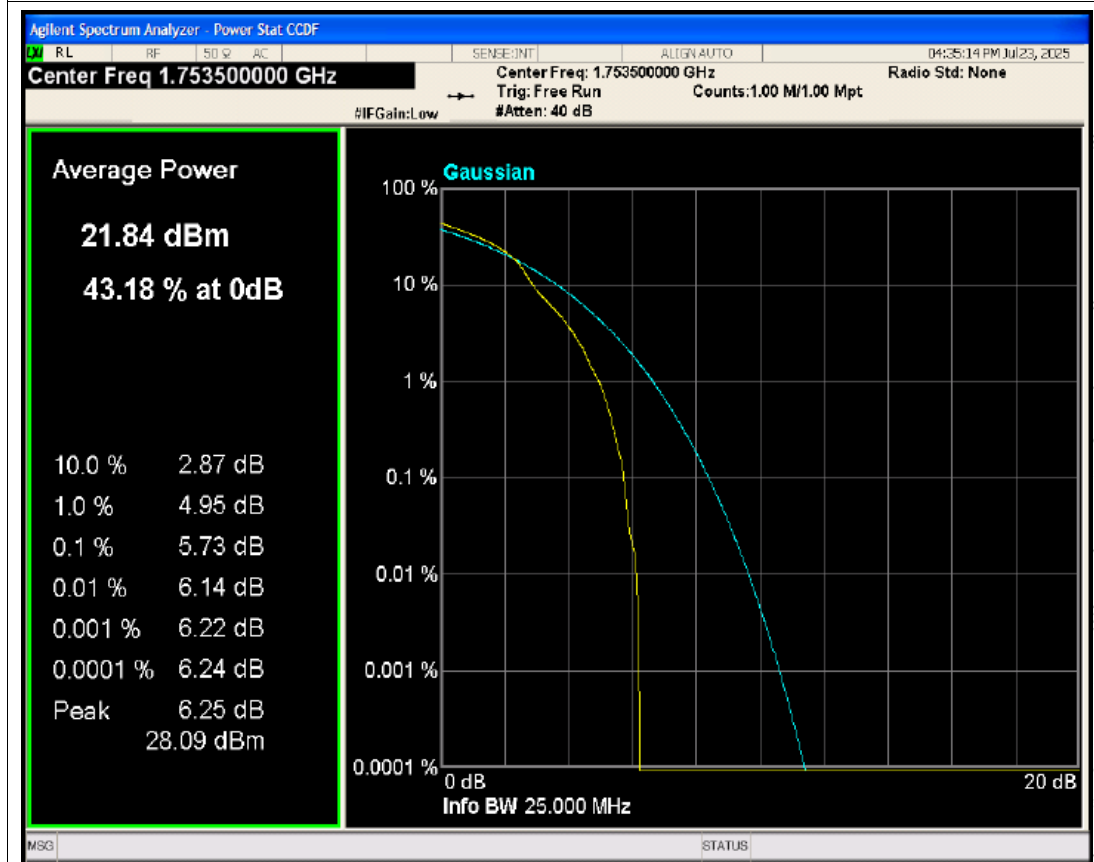
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT



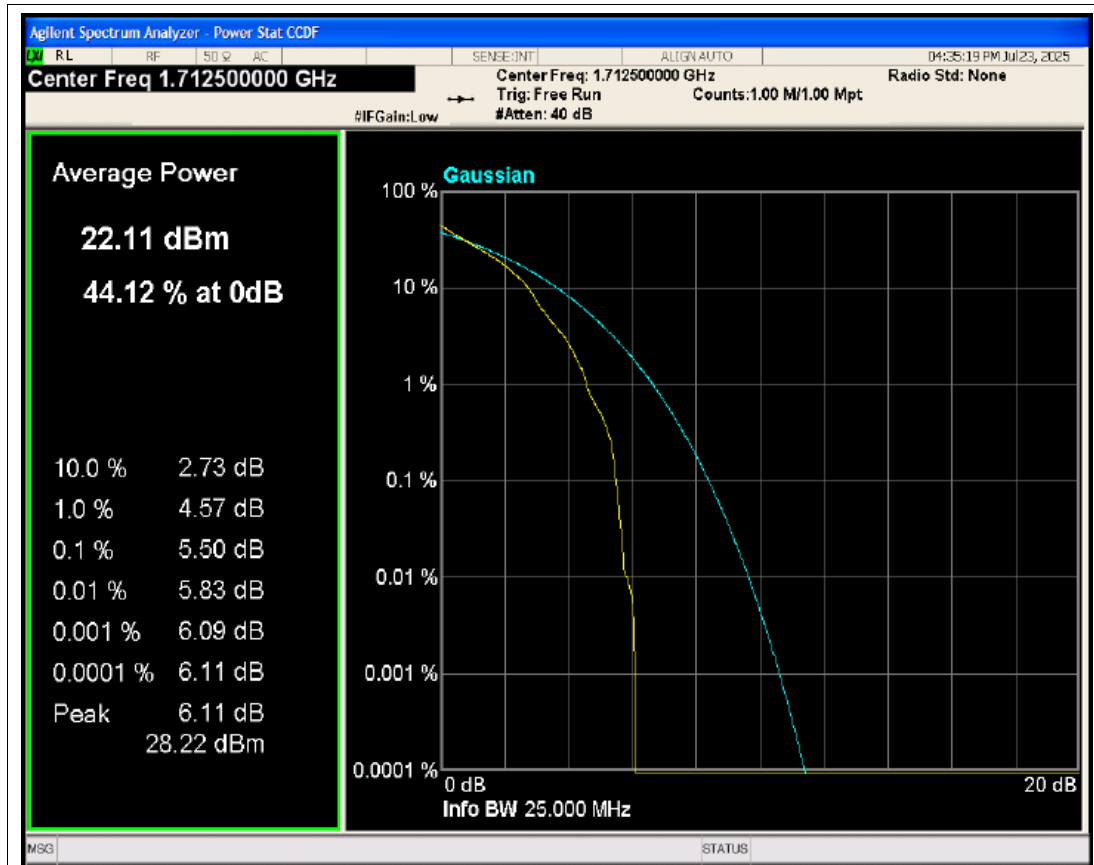
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0 NVNT



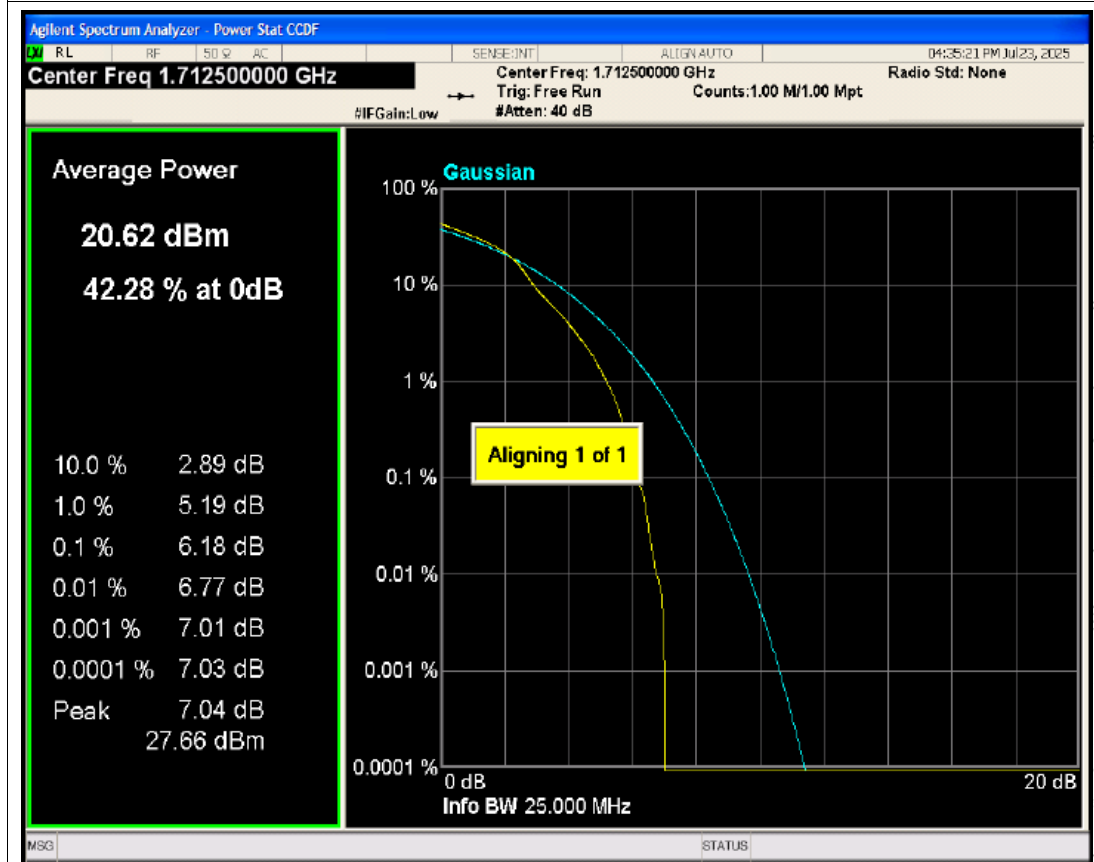
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0 NVNT



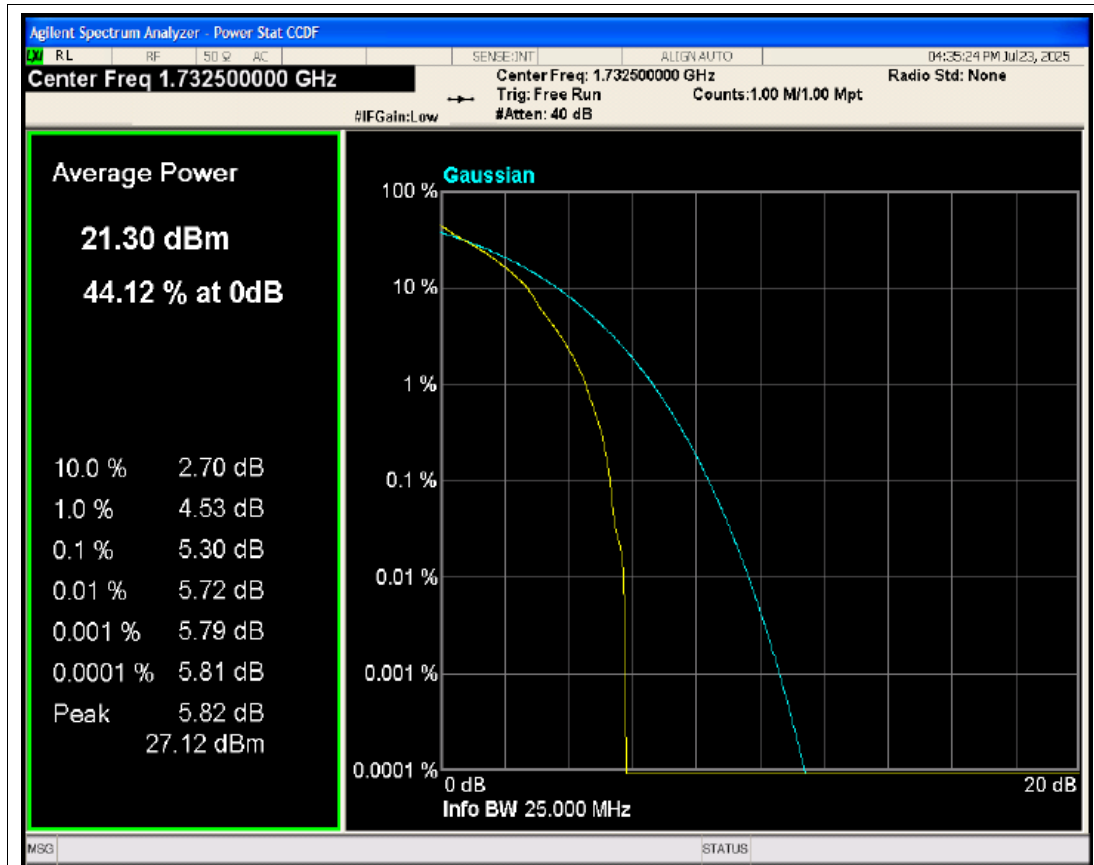
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0 NVNT



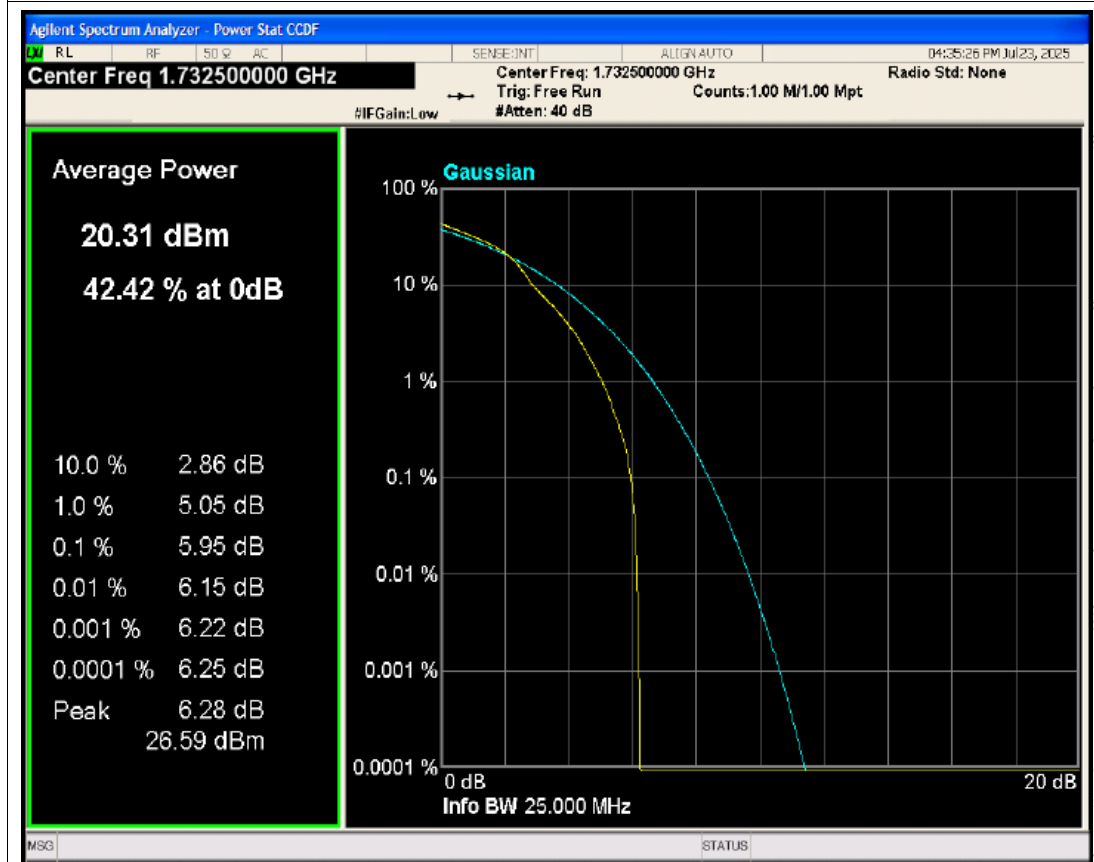
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT



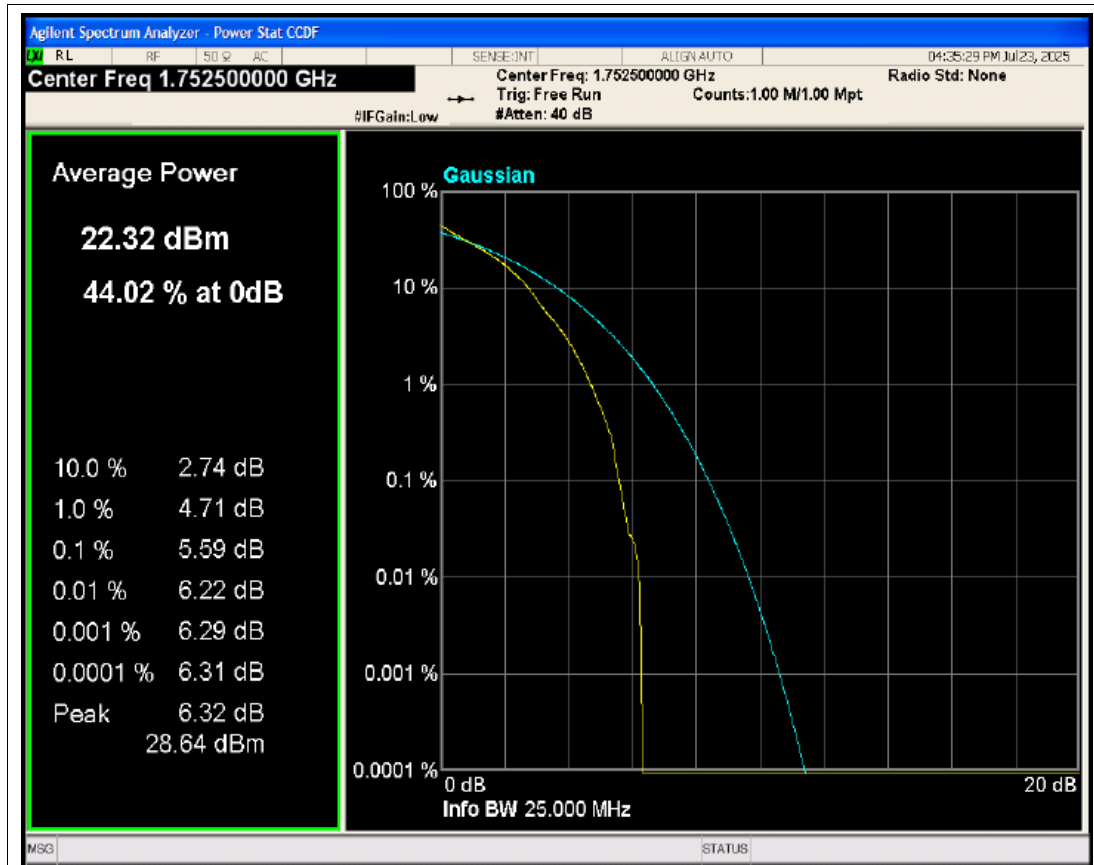
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0 NVNT



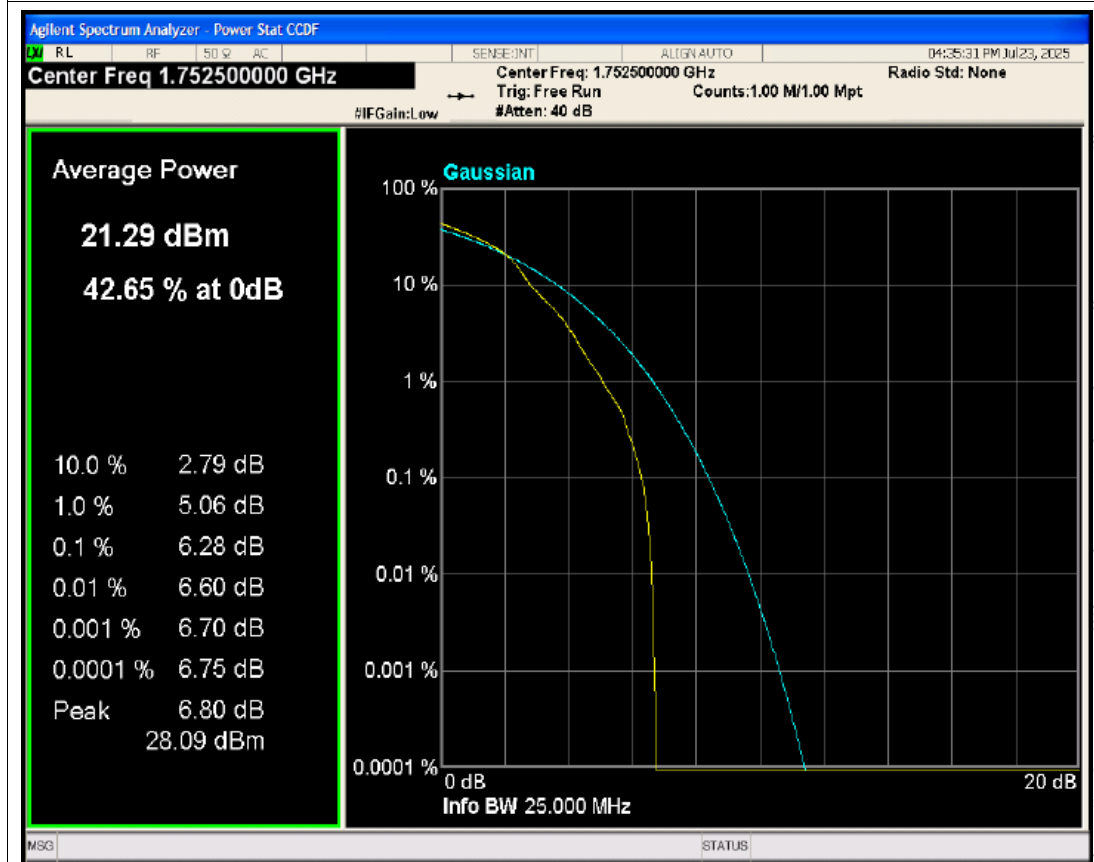
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



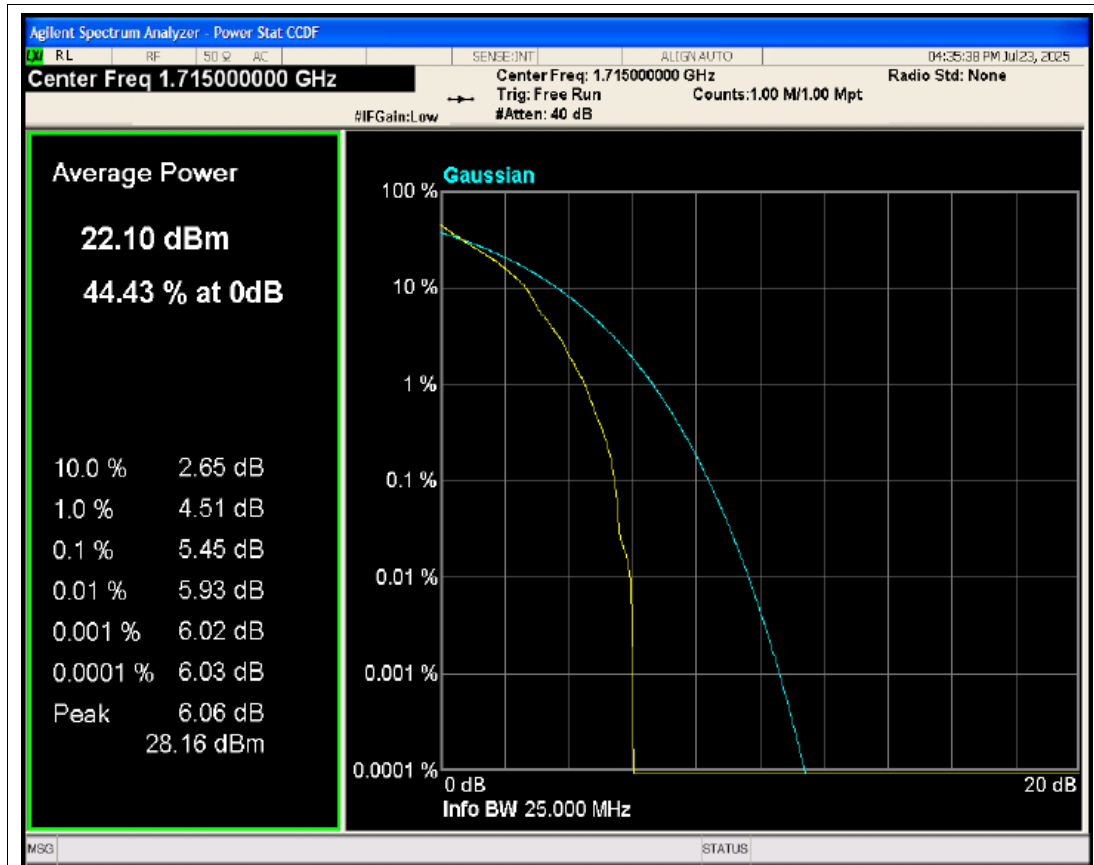
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0 NVNT



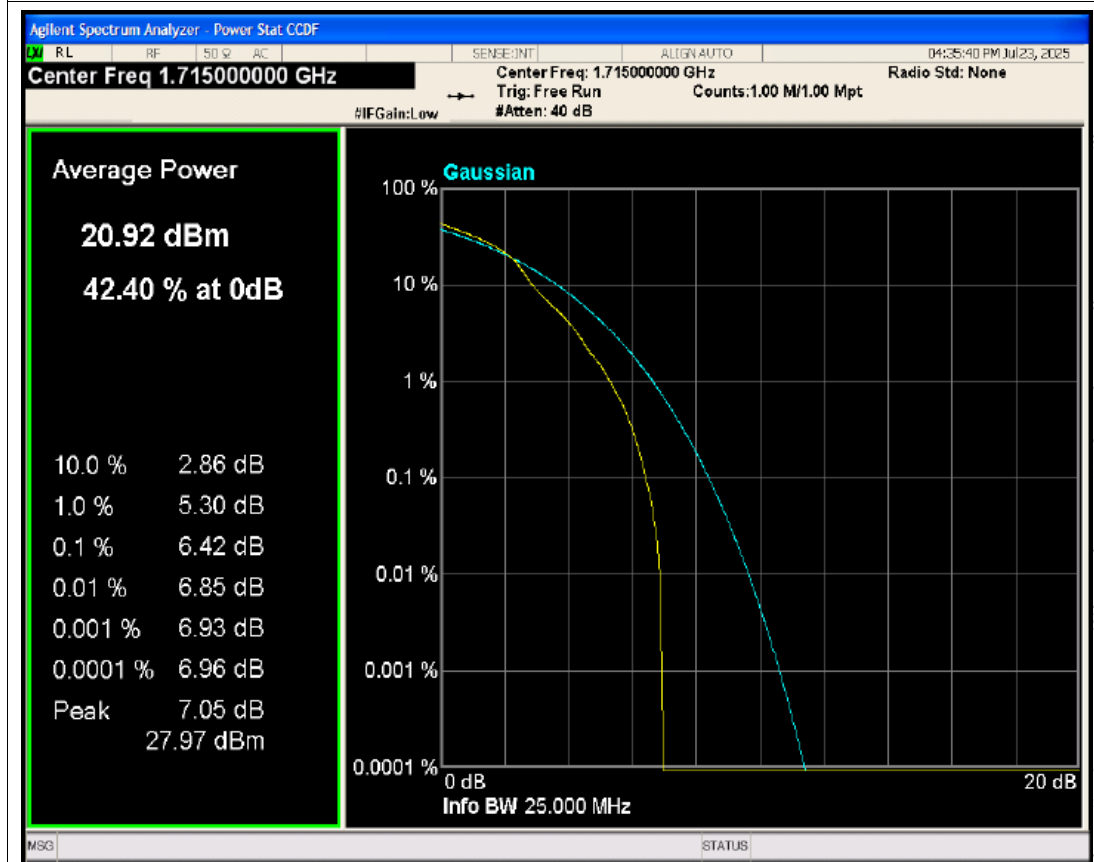
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0 NVNT



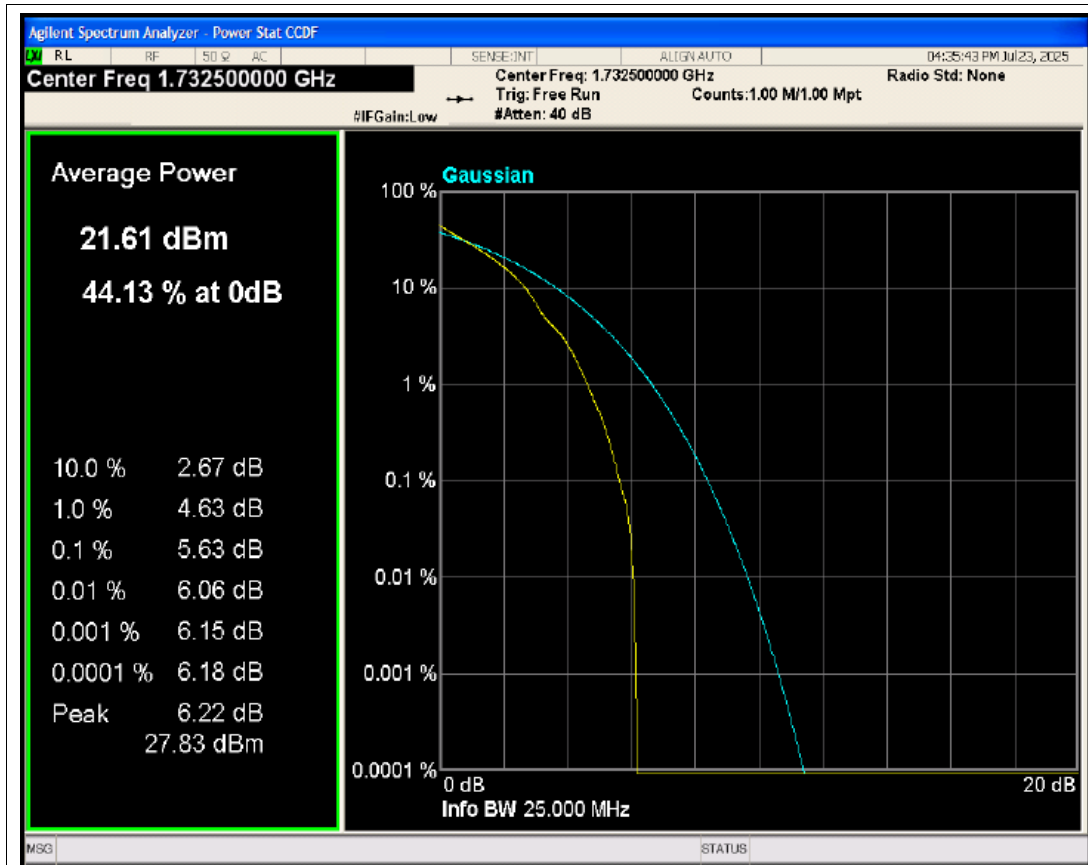
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0 NVNT



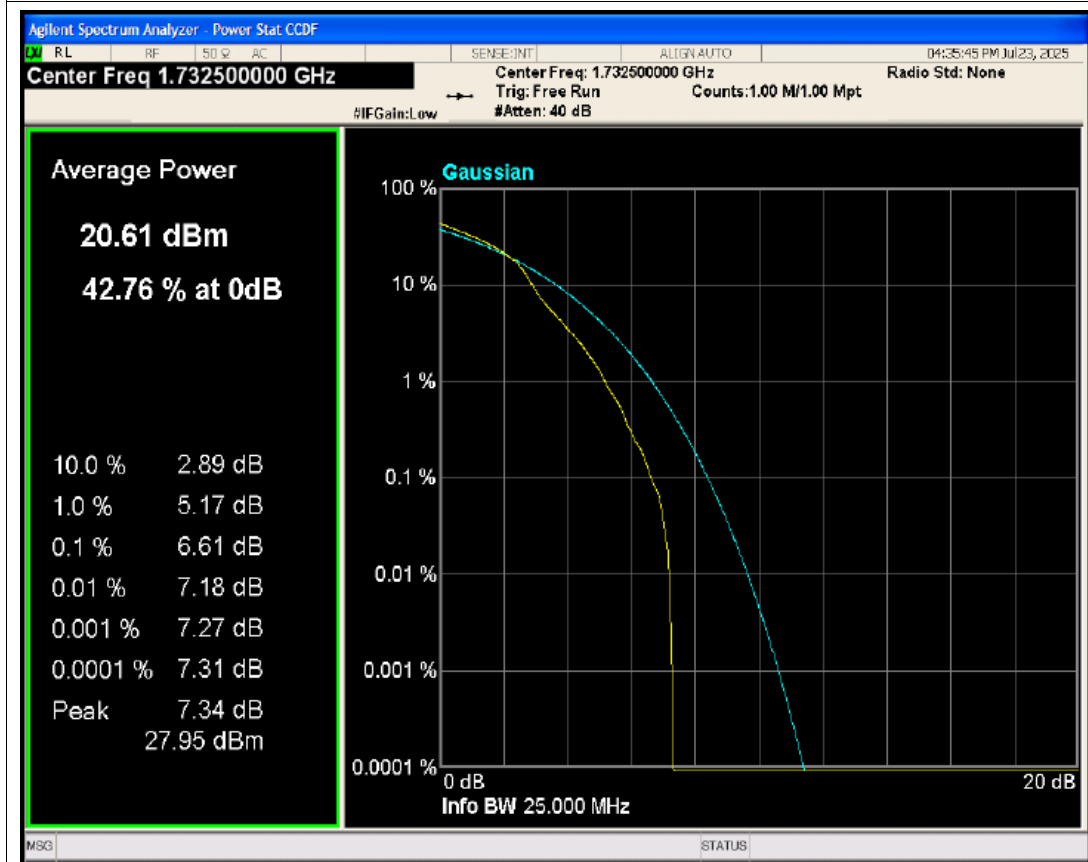
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT



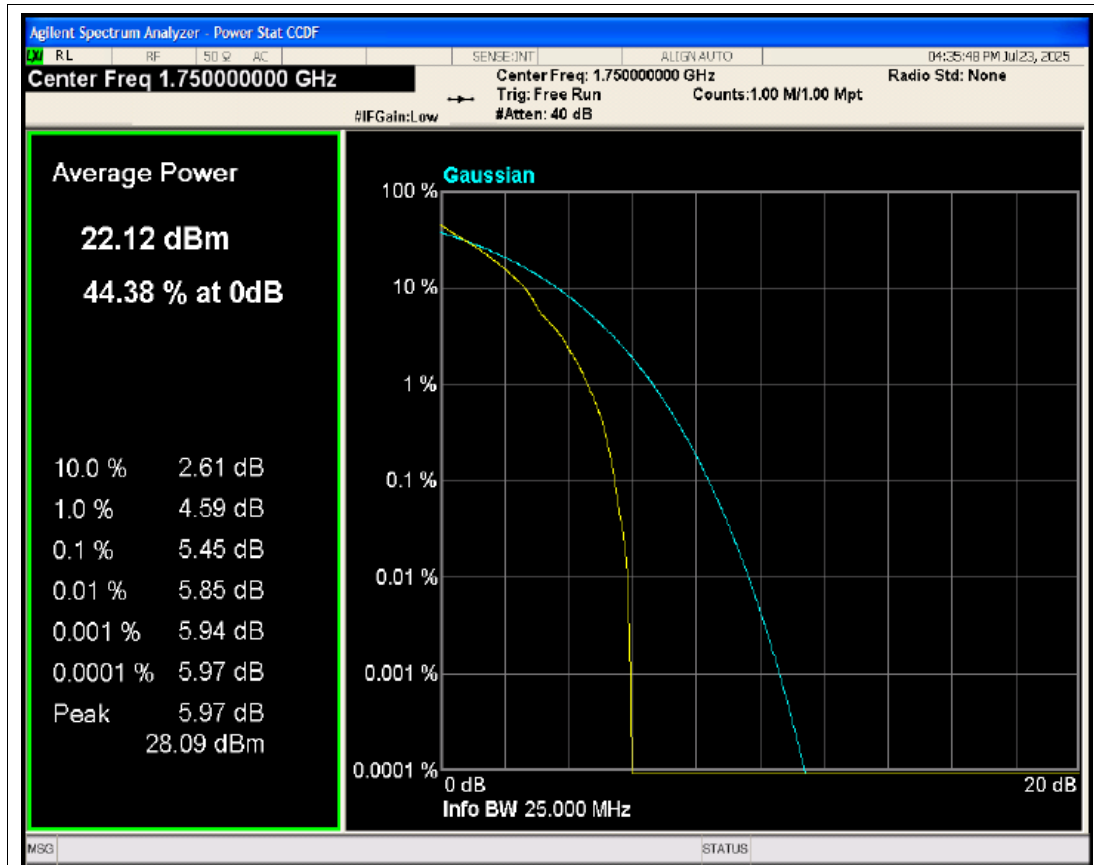
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0 NVNT



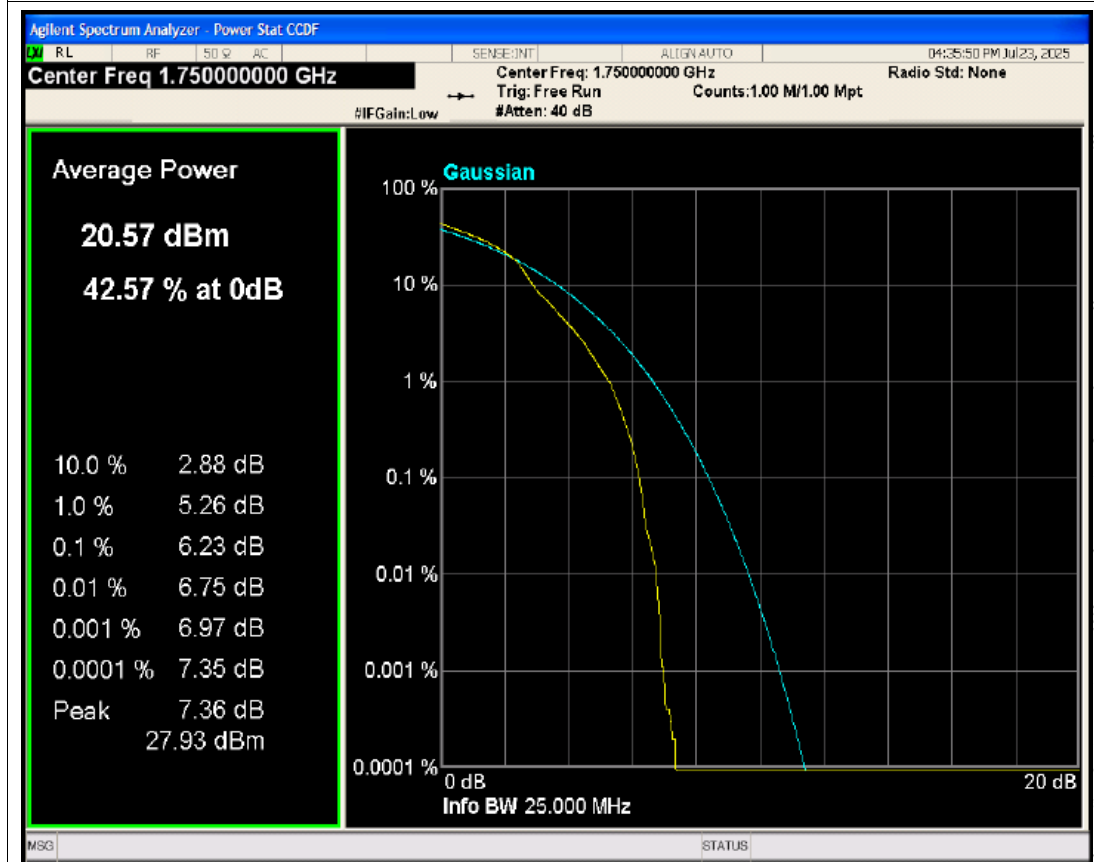
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT



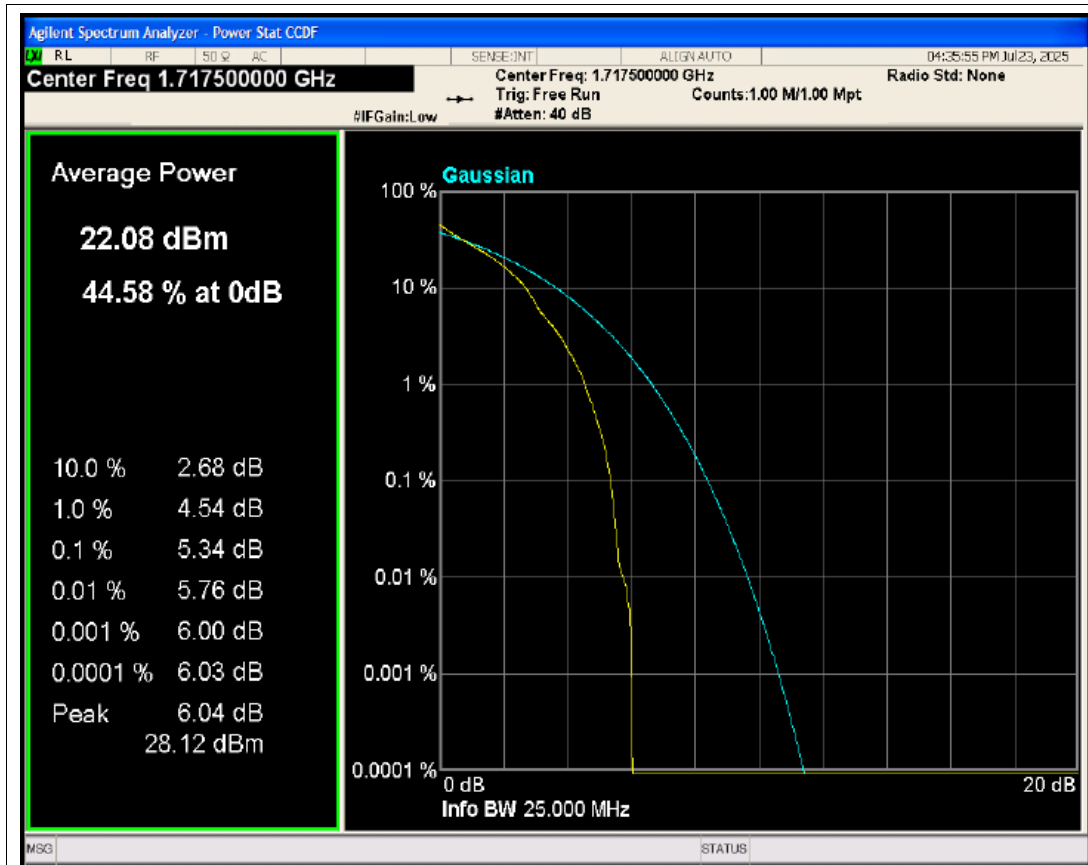
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0 NVNT



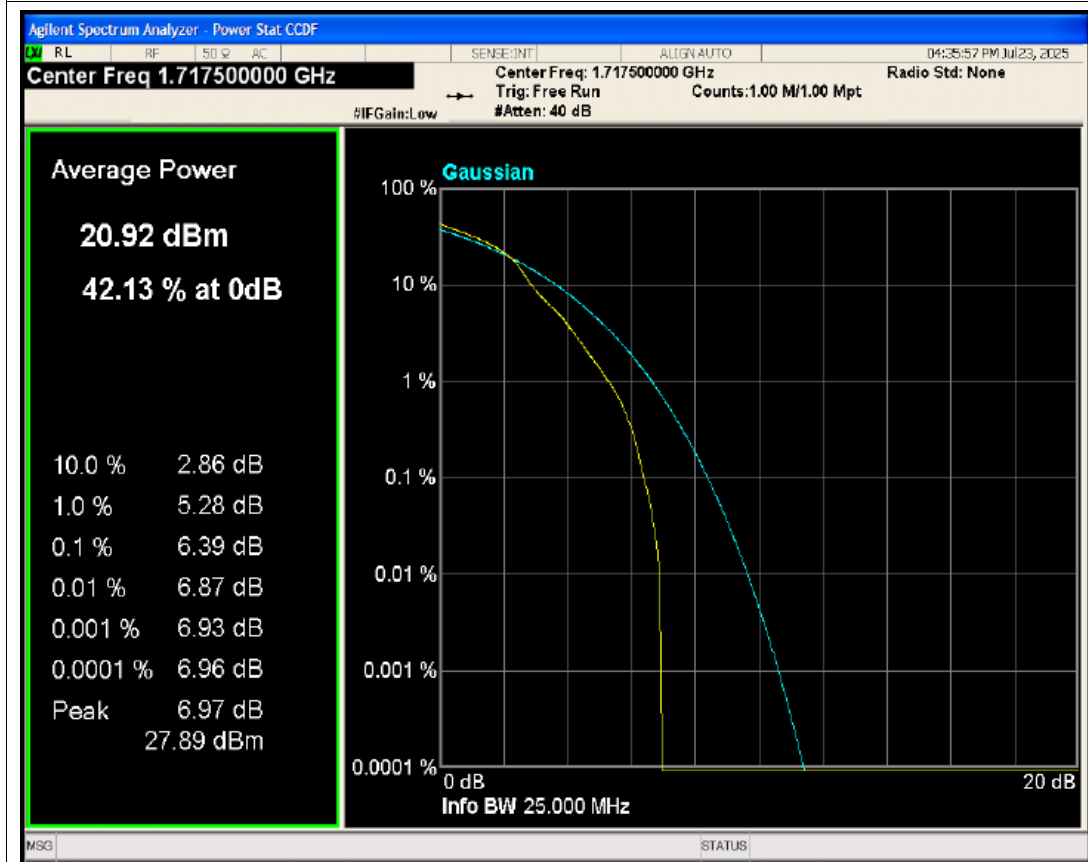
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



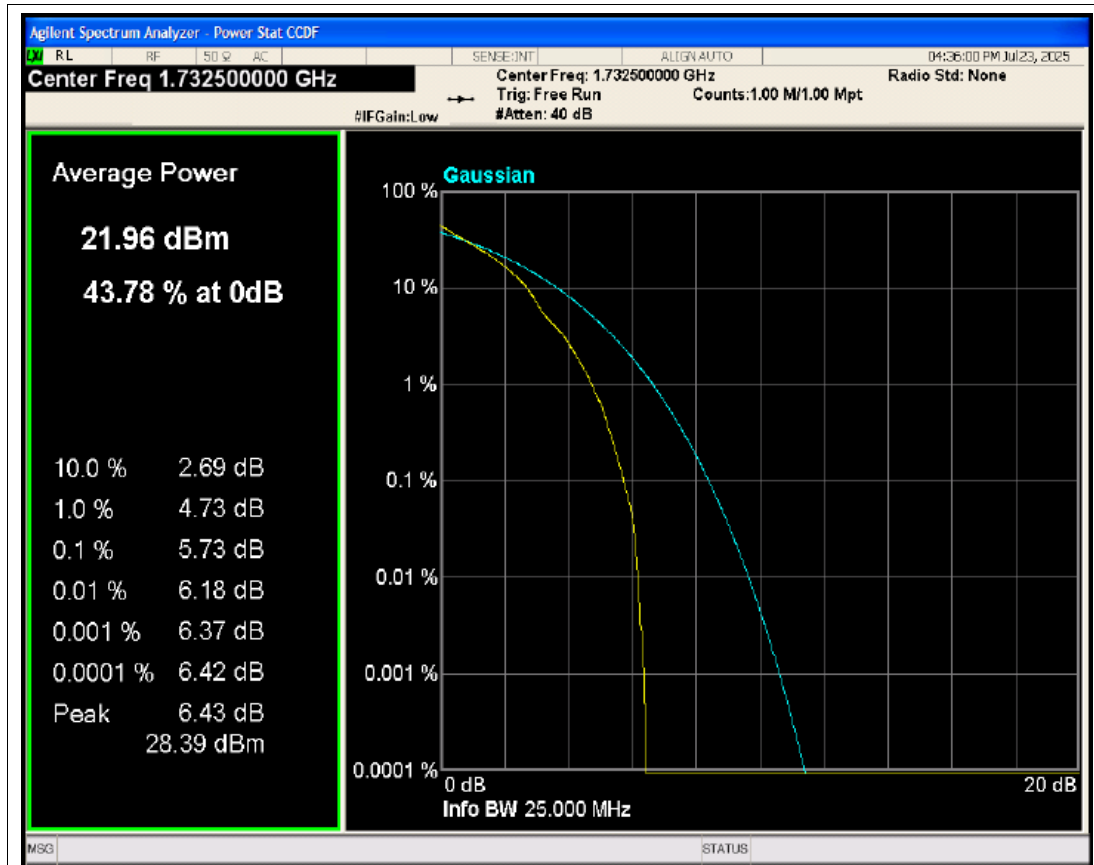
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0 NVNT



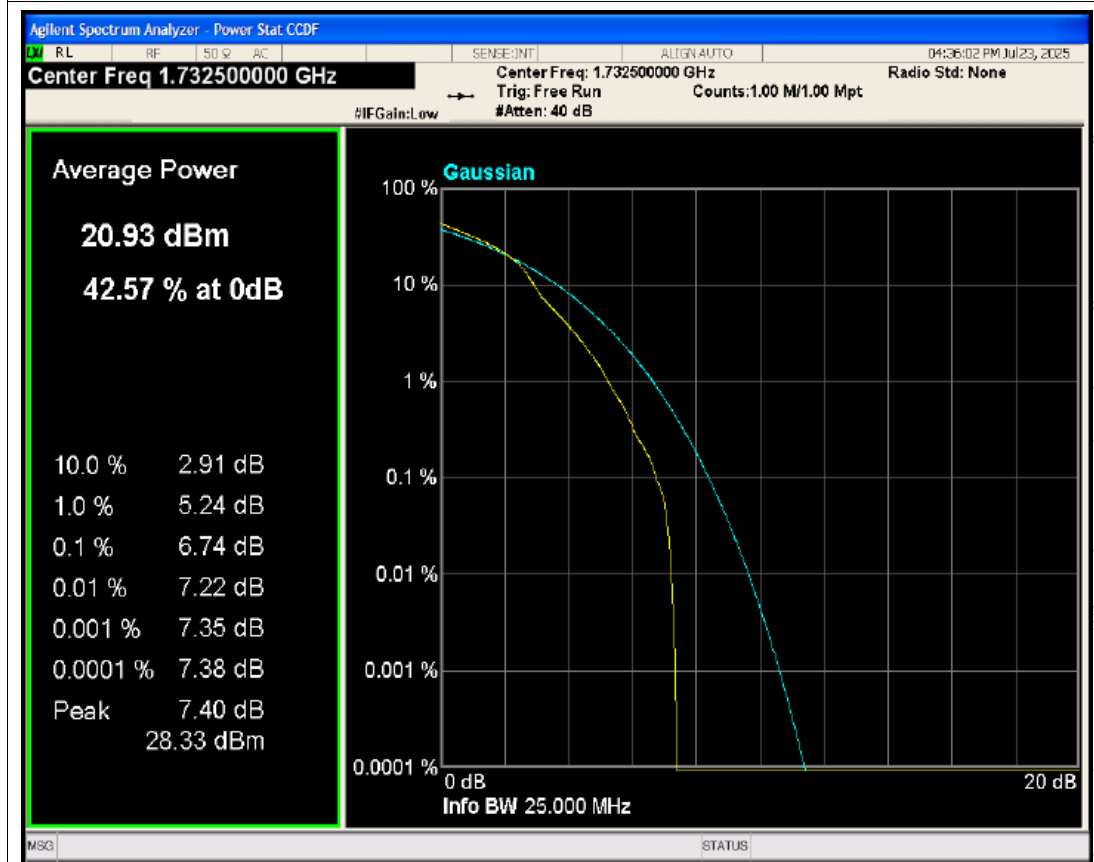
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



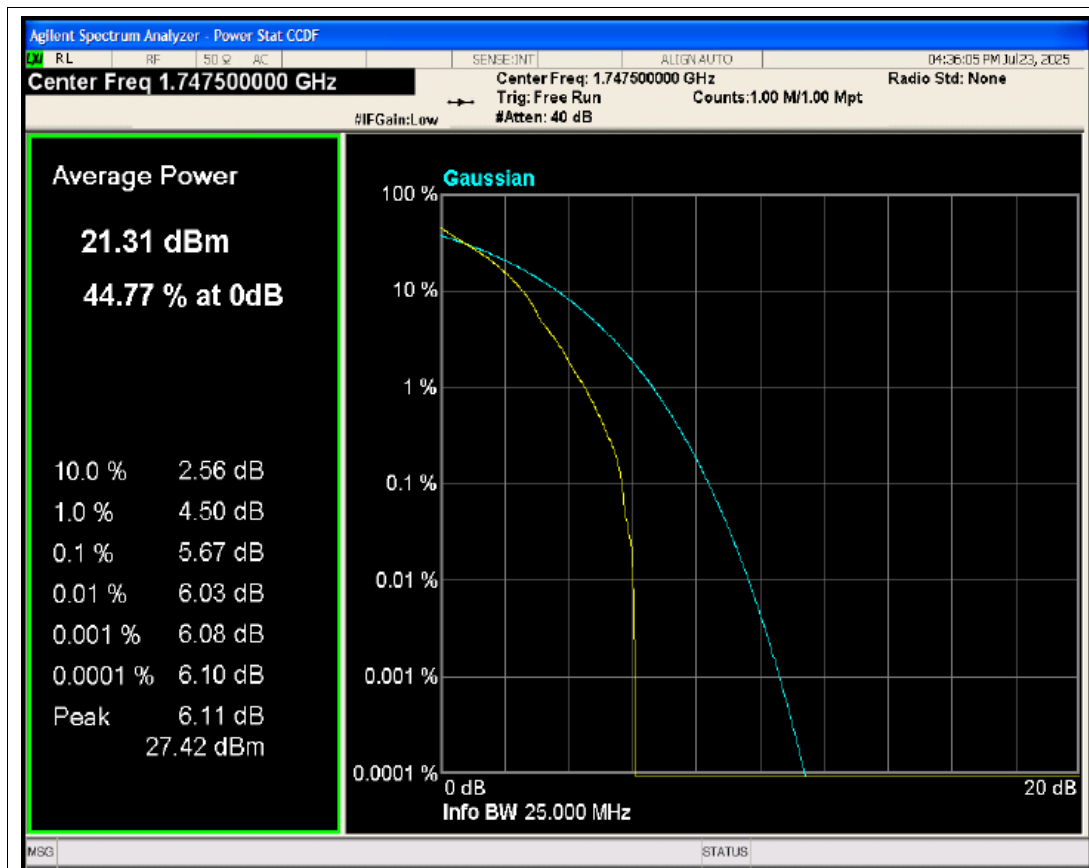
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0 NVNT



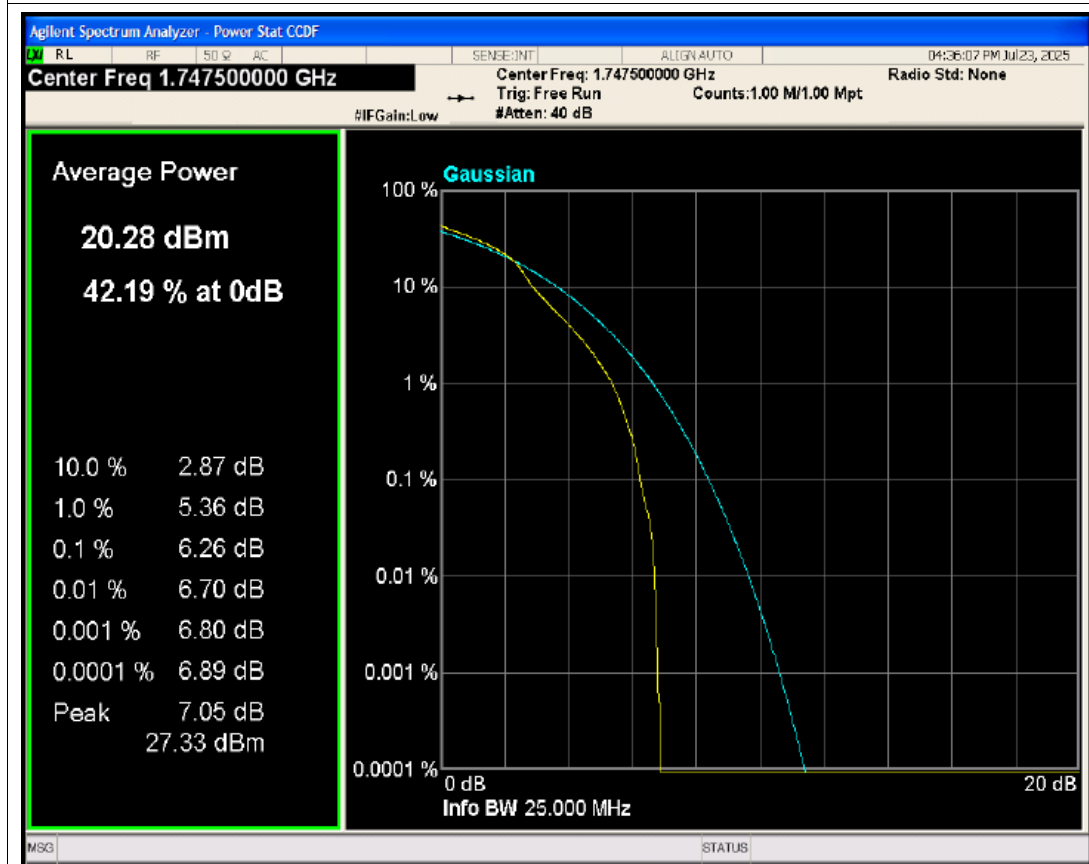
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



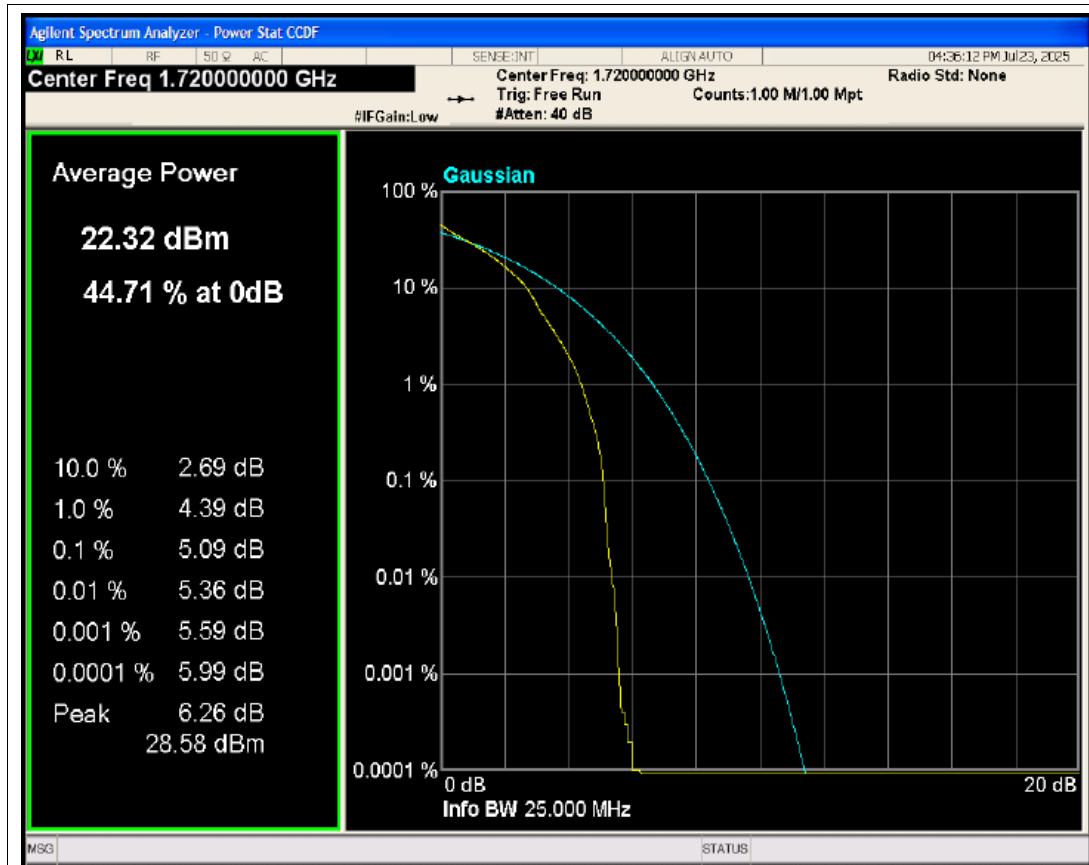
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0 NVNT



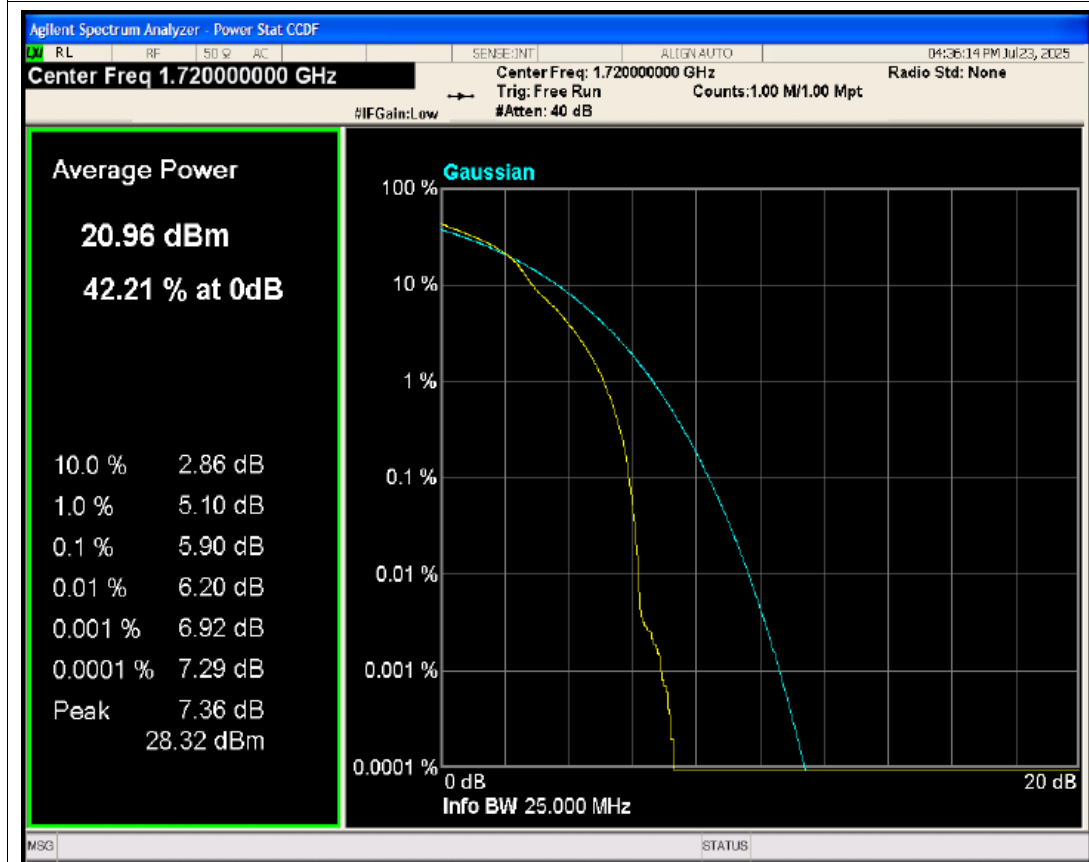
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



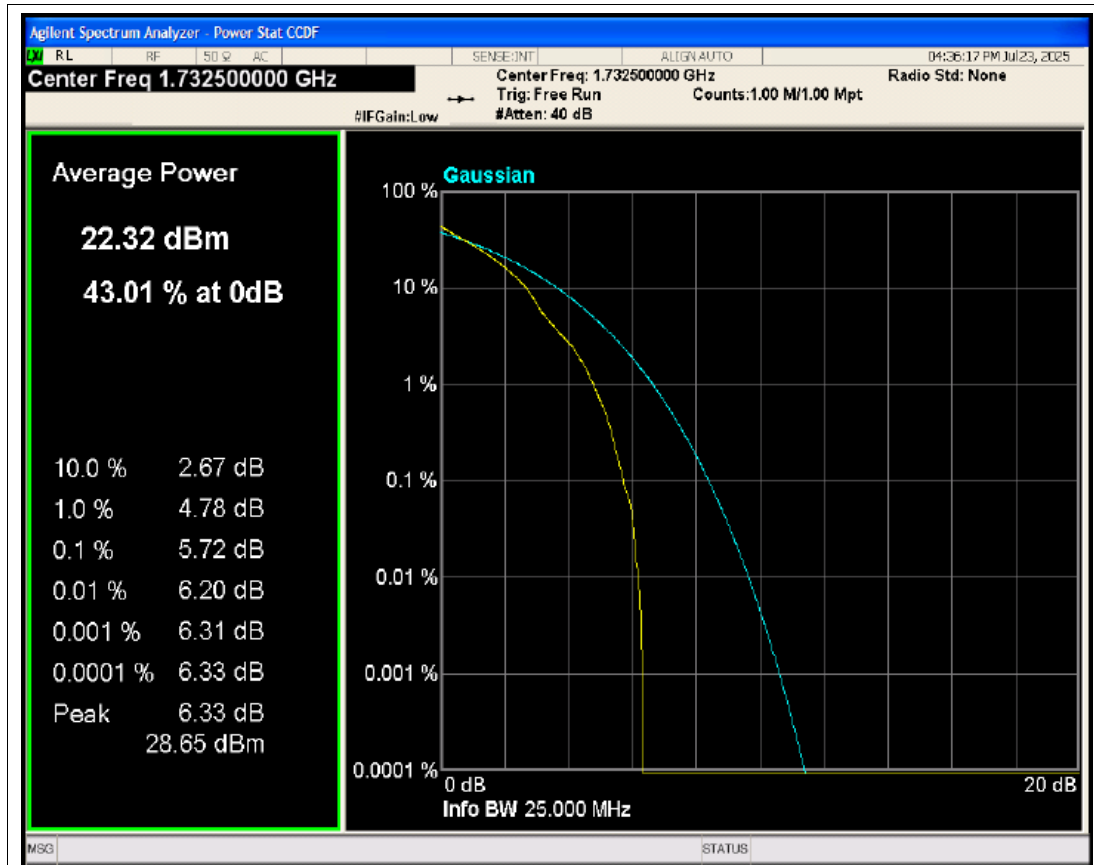
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0 NVNT



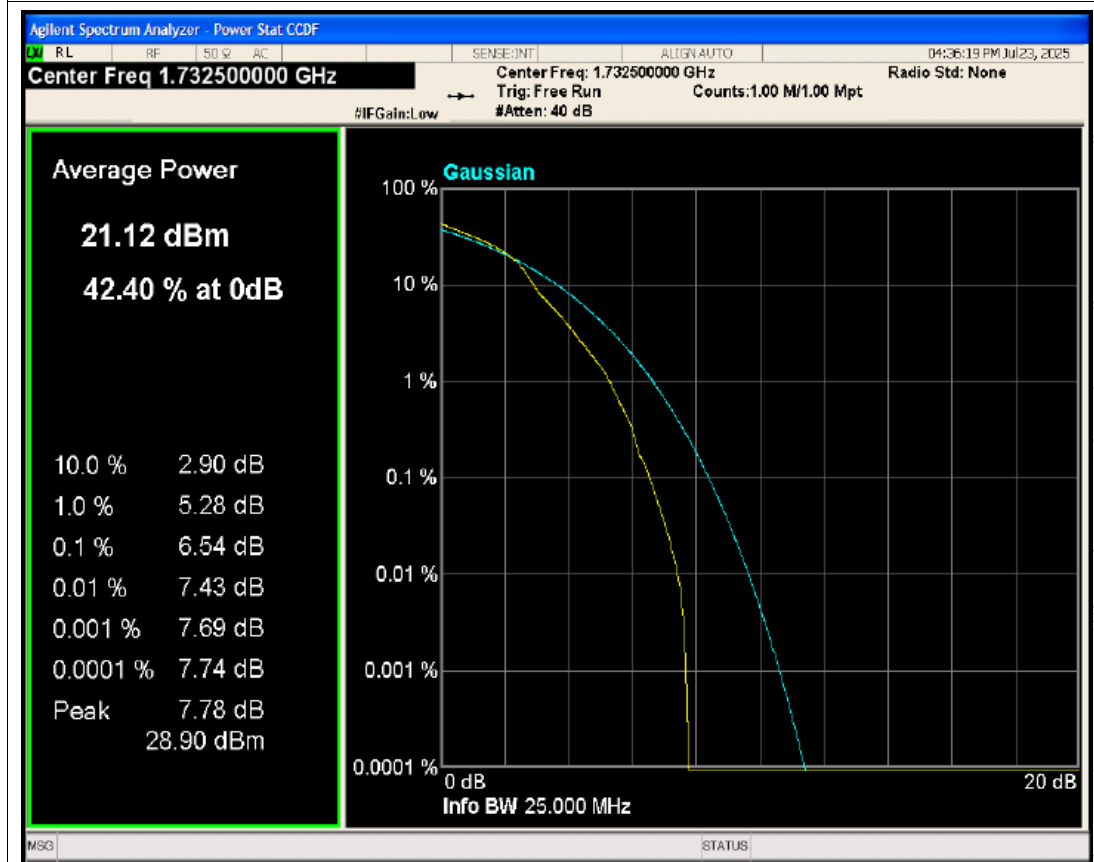
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



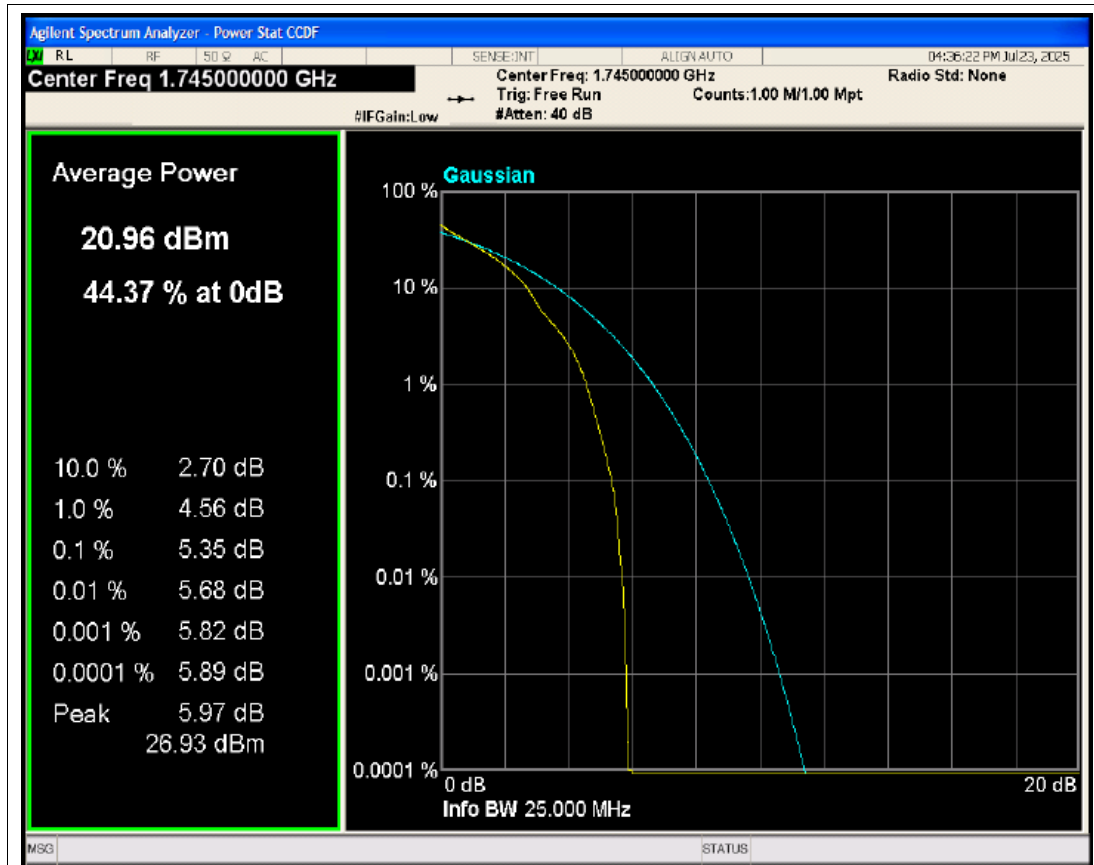
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0 NVNT



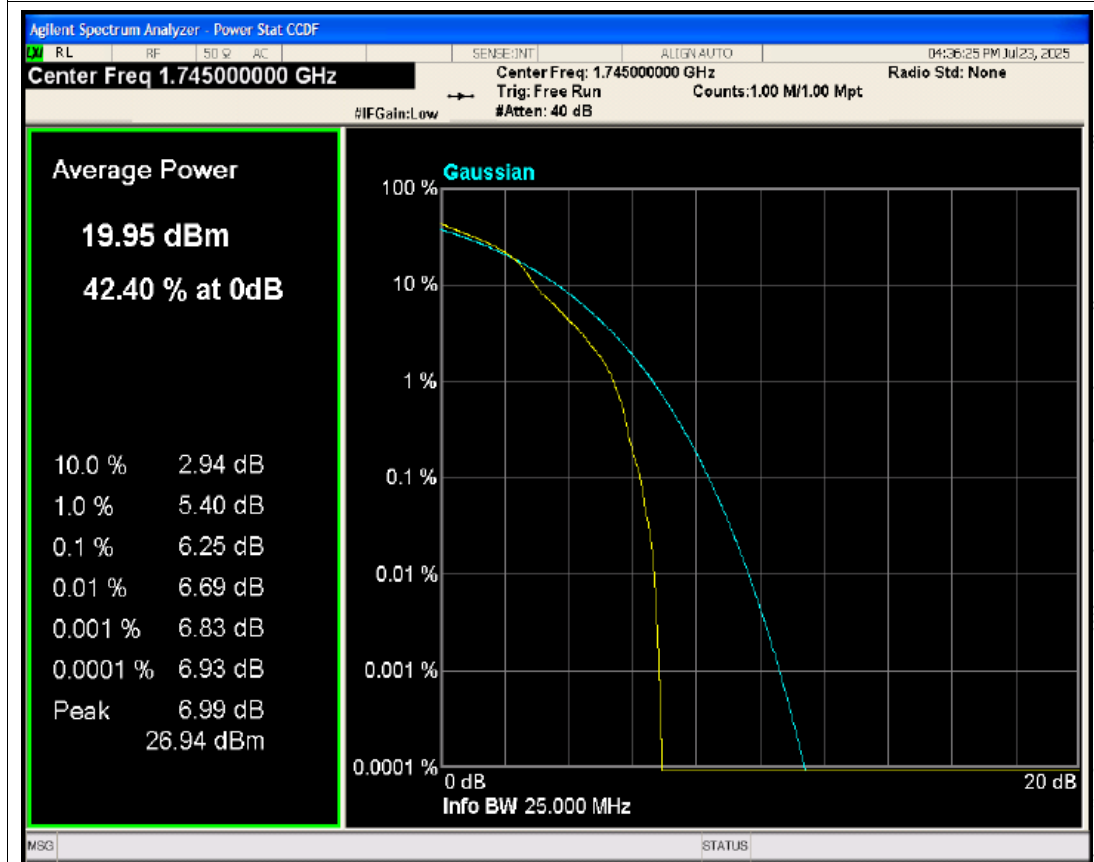
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



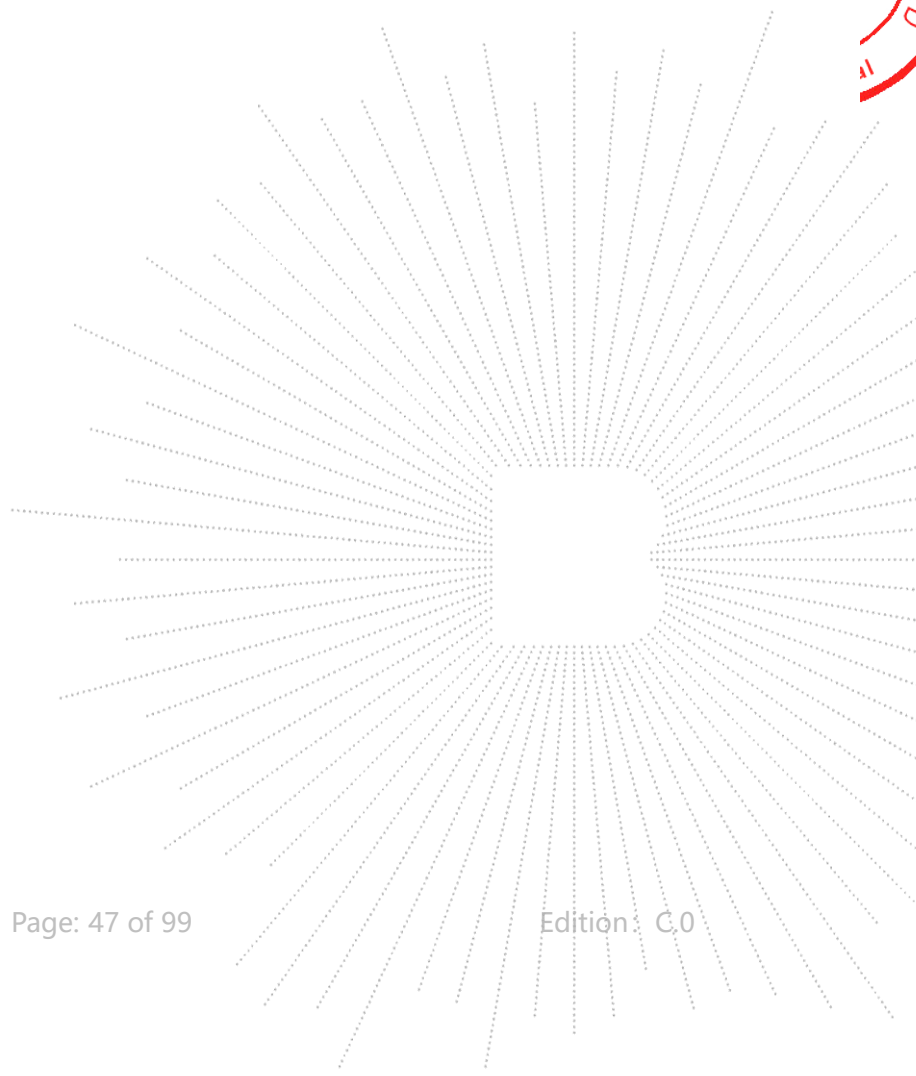
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0 NVNT



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

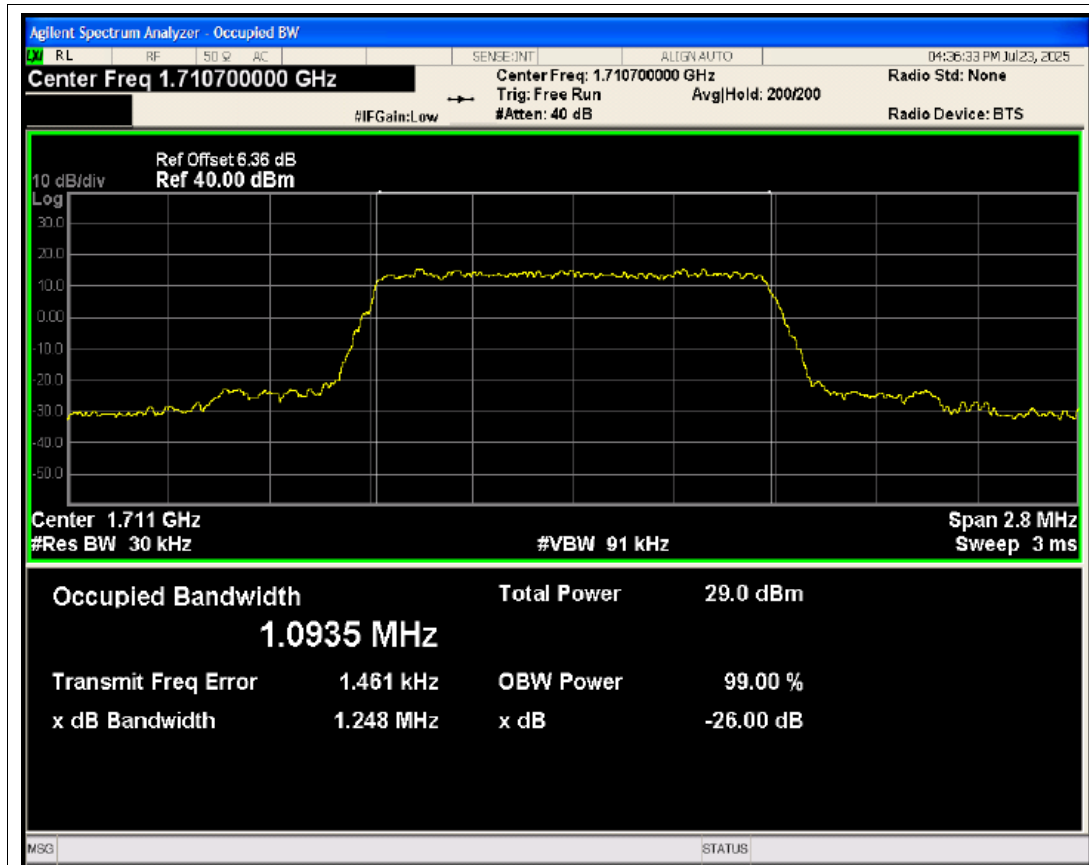


Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0 NVNT

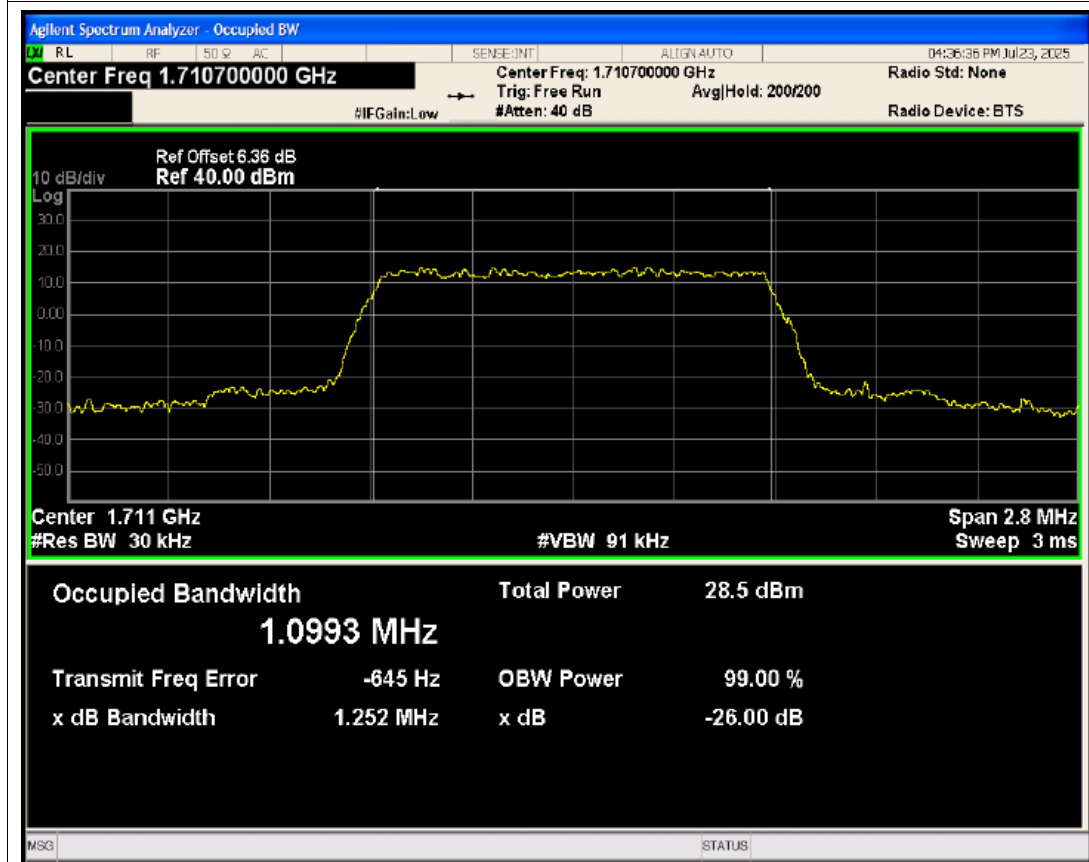


Appendix 4. Occupied bandwidth

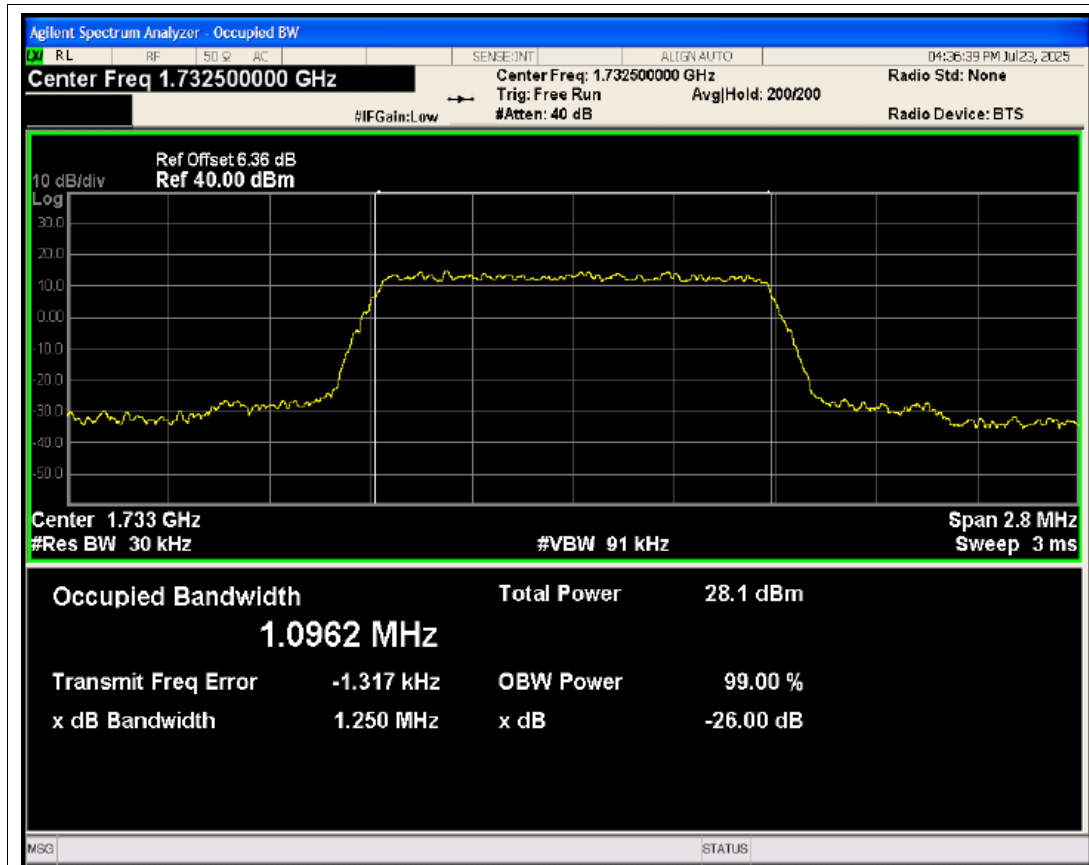
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.093	1.248	PASS
Band4	1.4	19957	6	#0	16QAM	1.099	1.252	PASS
Band4	1.4	20175	6	#0	QPSK	1.096	1.250	PASS
Band4	1.4	20175	6	#0	16QAM	1.095	1.247	PASS
Band4	1.4	20393	6	#0	QPSK	1.097	1.242	PASS
Band4	1.4	20393	6	#0	16QAM	1.103	1.243	PASS
Band4	3	19965	15	#0	QPSK	2.724	3.036	PASS
Band4	3	19965	15	#0	16QAM	2.704	3.039	PASS
Band4	3	20175	15	#0	QPSK	2.710	3.043	PASS
Band4	3	20175	15	#0	16QAM	2.704	3.019	PASS
Band4	3	20385	15	#0	QPSK	2.705	3.024	PASS
Band4	3	20385	15	#0	16QAM	2.707	3.077	PASS
Band4	5	19975	25	#0	QPSK	4.515	5.001	PASS
Band4	5	19975	25	#0	16QAM	4.508	4.954	PASS
Band4	5	20175	25	#0	QPSK	4.504	4.956	PASS
Band4	5	20175	25	#0	16QAM	4.519	4.993	PASS
Band4	5	20375	25	#0	QPSK	4.495	4.937	PASS
Band4	5	20375	25	#0	16QAM	4.512	4.964	PASS
Band4	10	20000	50	#0	QPSK	8.980	9.748	PASS
Band4	10	20000	50	#0	16QAM	8.994	9.705	PASS
Band4	10	20175	50	#0	QPSK	8.974	9.834	PASS
Band4	10	20175	50	#0	16QAM	8.979	9.866	PASS
Band4	10	20350	50	#0	QPSK	8.981	9.836	PASS
Band4	10	20350	50	#0	16QAM	8.984	9.911	PASS
Band4	15	20025	75	#0	QPSK	13.445	14.777	PASS
Band4	15	20025	75	#0	16QAM	13.465	14.723	PASS
Band4	15	20175	75	#0	QPSK	13.426	14.719	PASS
Band4	15	20175	75	#0	16QAM	13.474	14.760	PASS
Band4	15	20325	75	#0	QPSK	13.483	14.648	PASS
Band4	15	20325	75	#0	16QAM	13.466	14.687	PASS
Band4	20	20050	100	#0	QPSK	18.002	19.535	PASS
Band4	20	20050	100	#0	16QAM	17.969	19.608	PASS
Band4	20	20175	100	#0	QPSK	18.001	19.630	PASS
Band4	20	20175	100	#0	16QAM	18.011	19.679	PASS
Band4	20	20300	100	#0	QPSK	18.026	19.579	PASS
Band4	20	20300	100	#0	16QAM	18.059	19.455	PASS



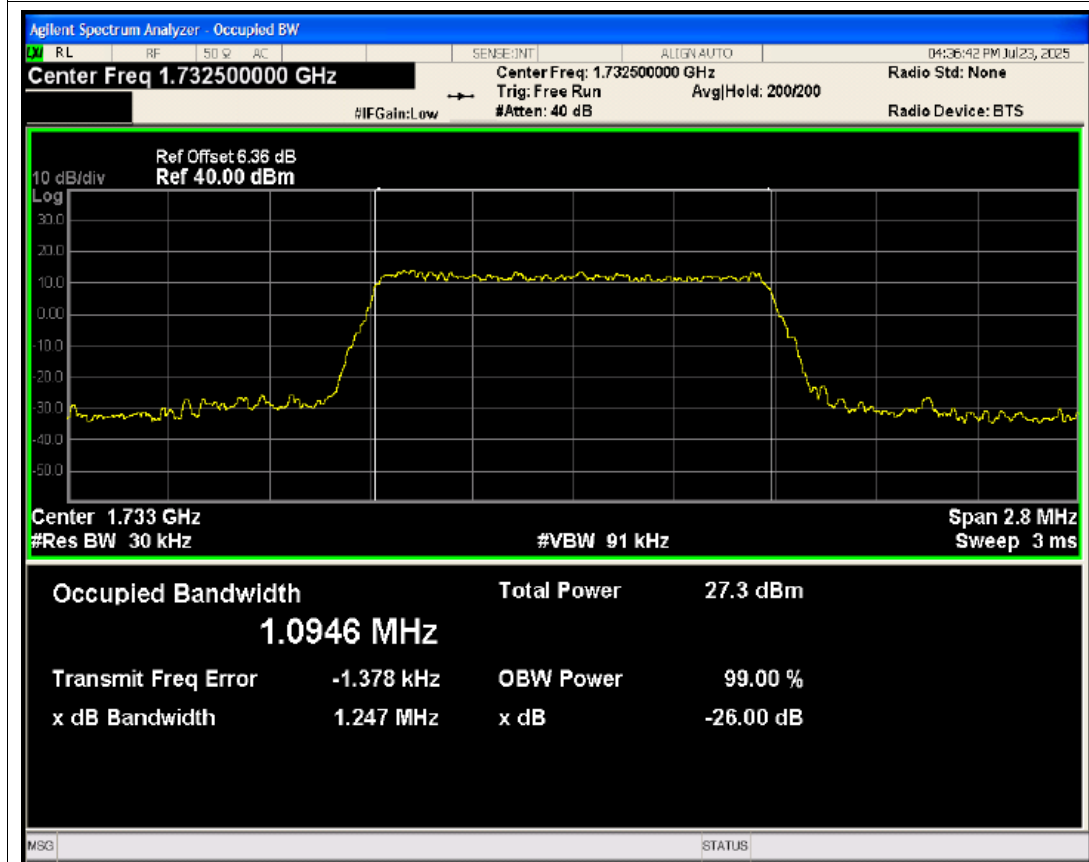
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



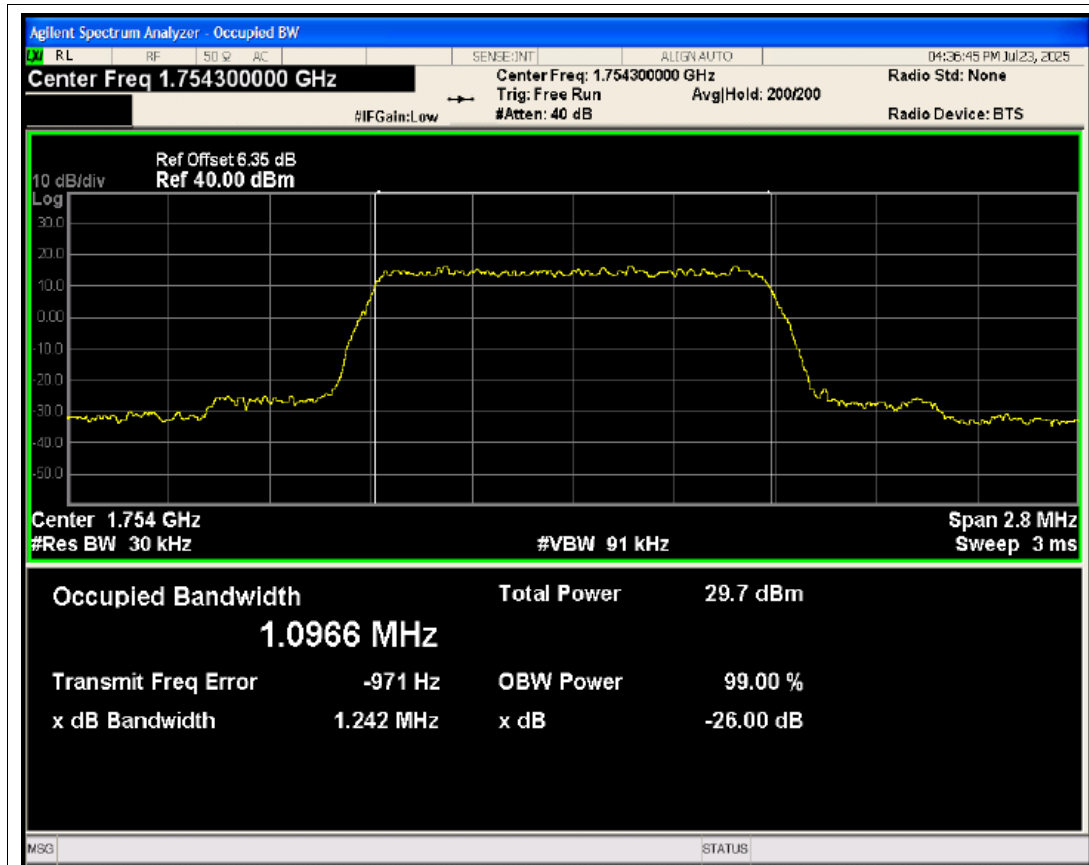
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



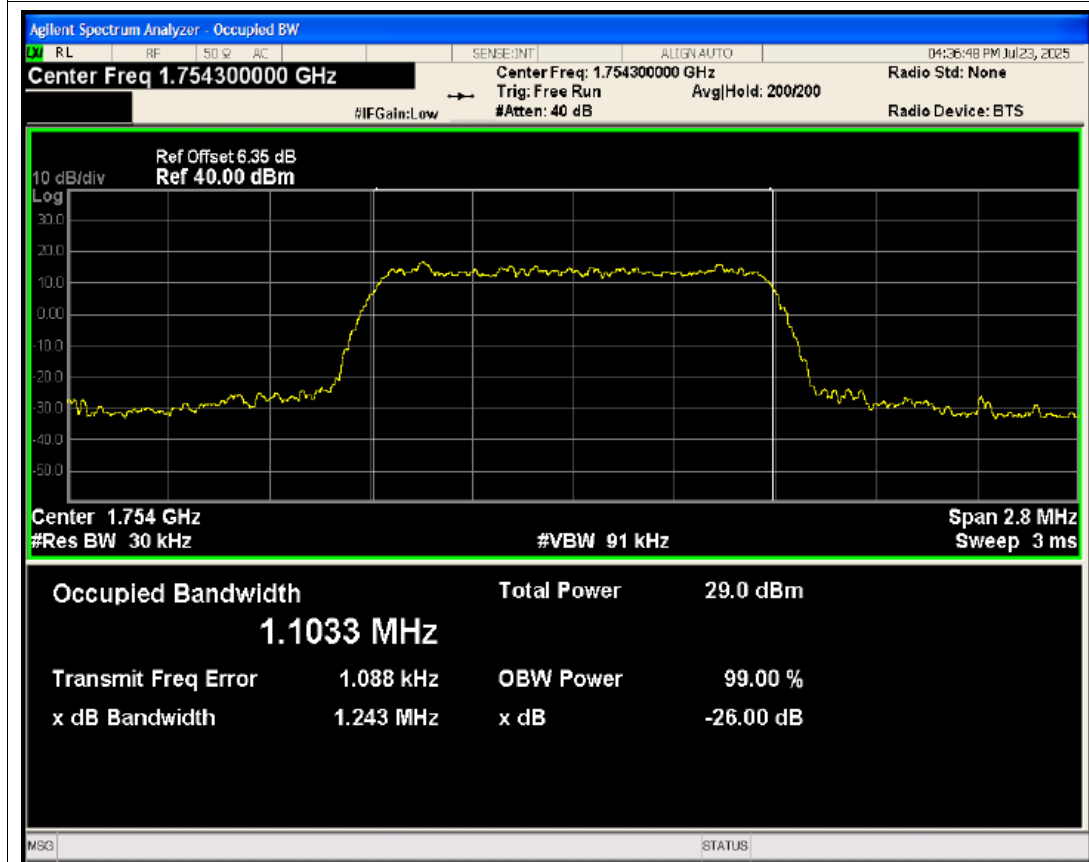
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



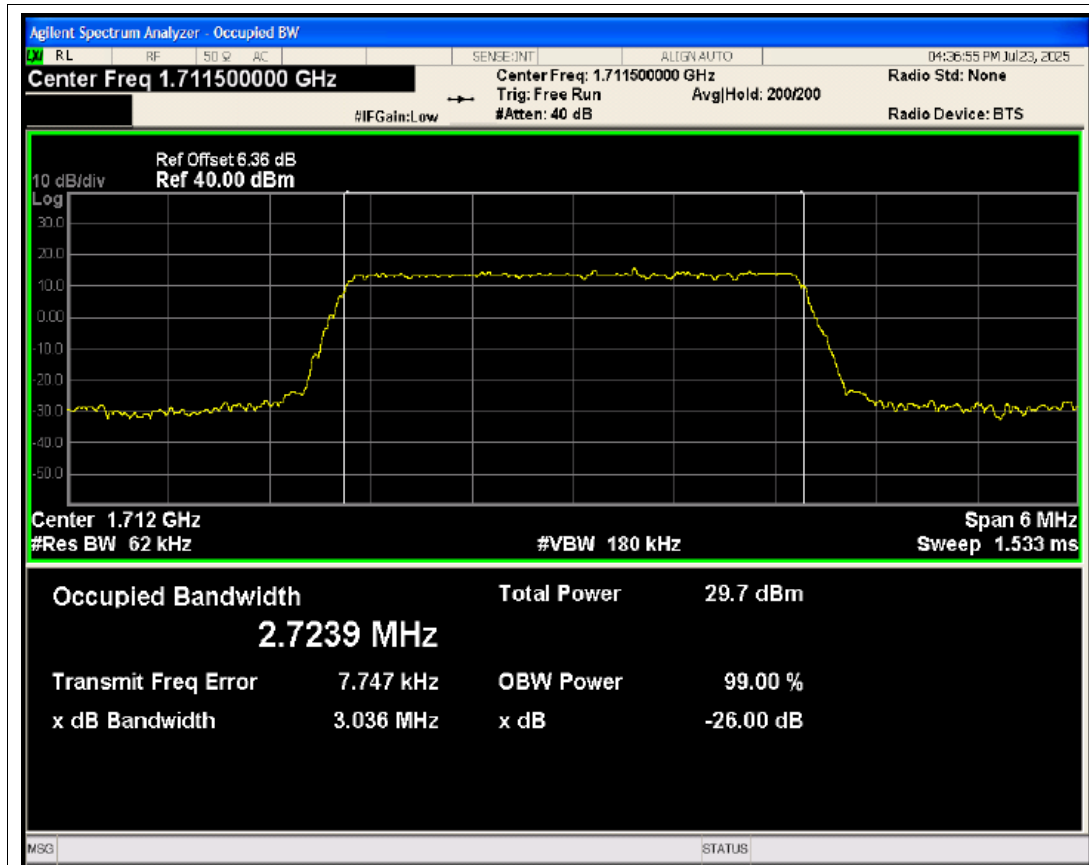
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



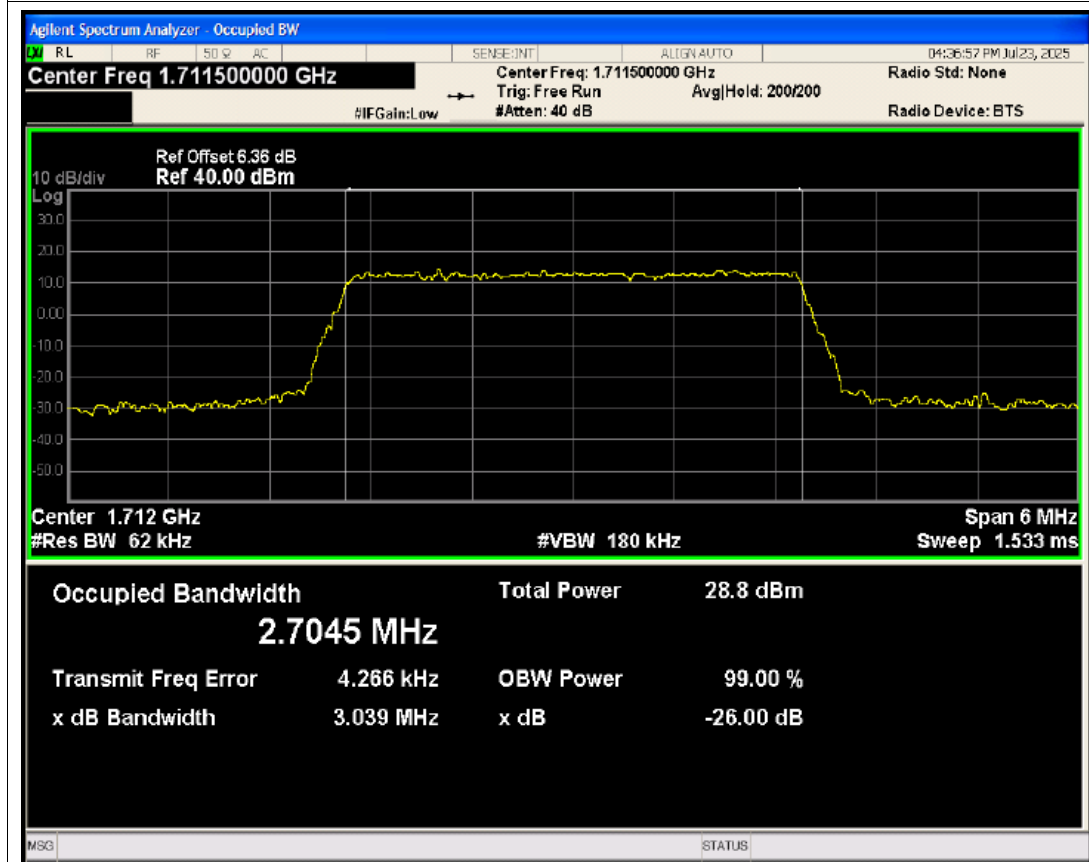
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



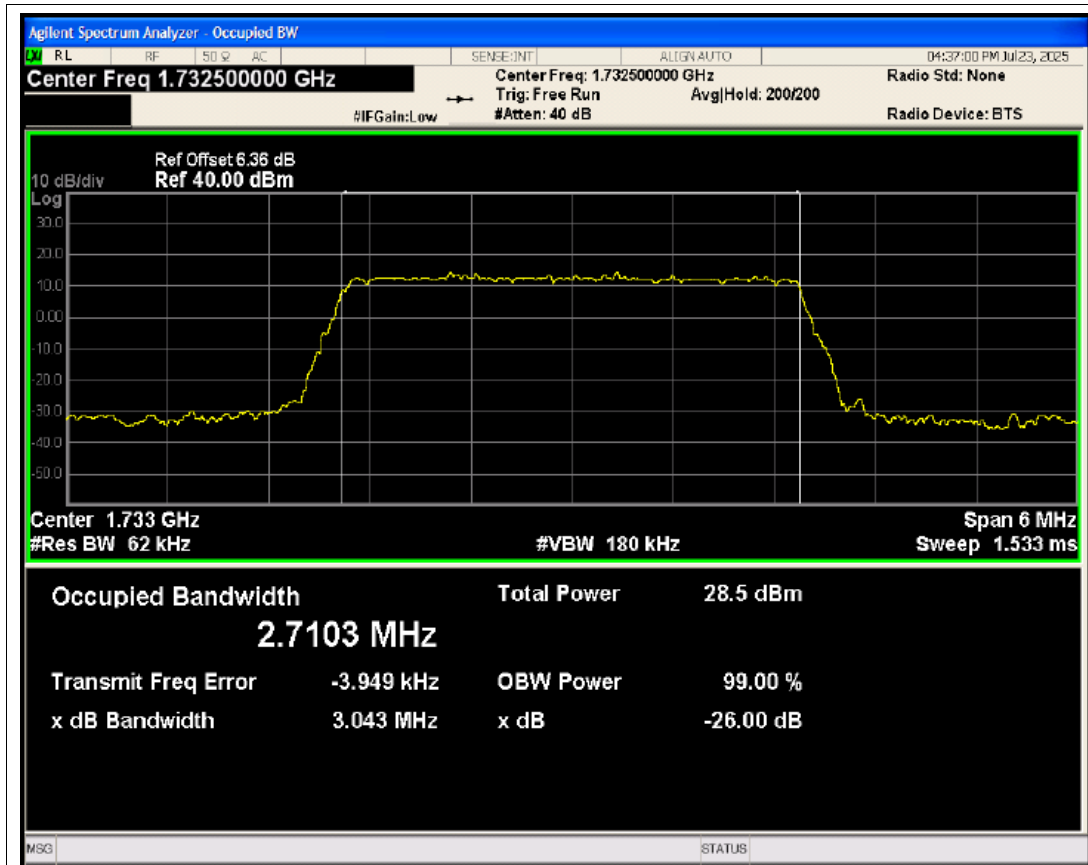
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



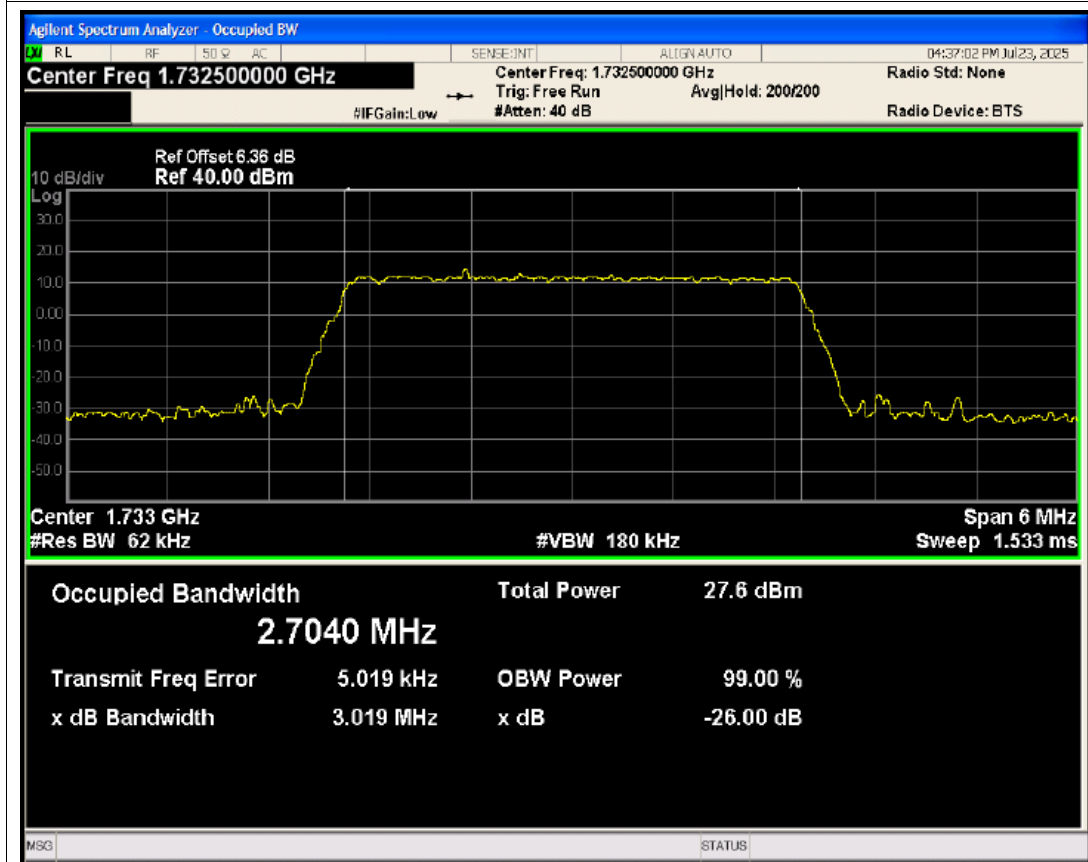
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



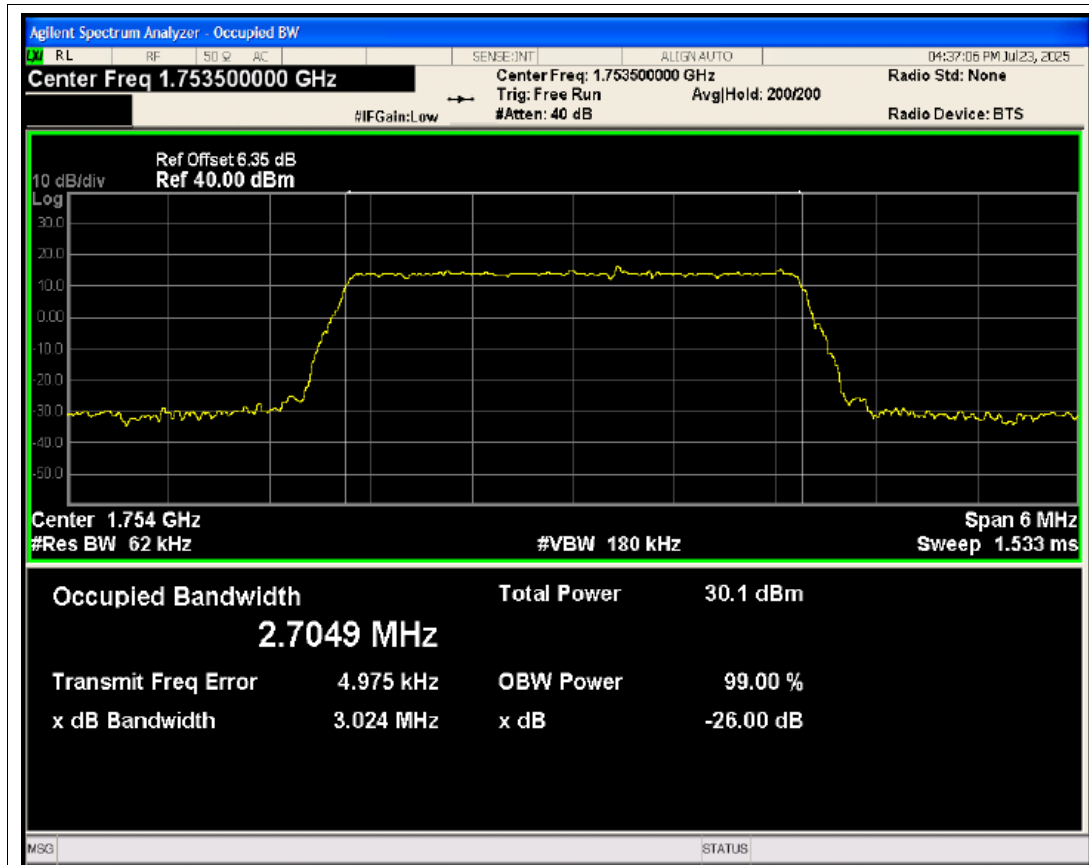
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



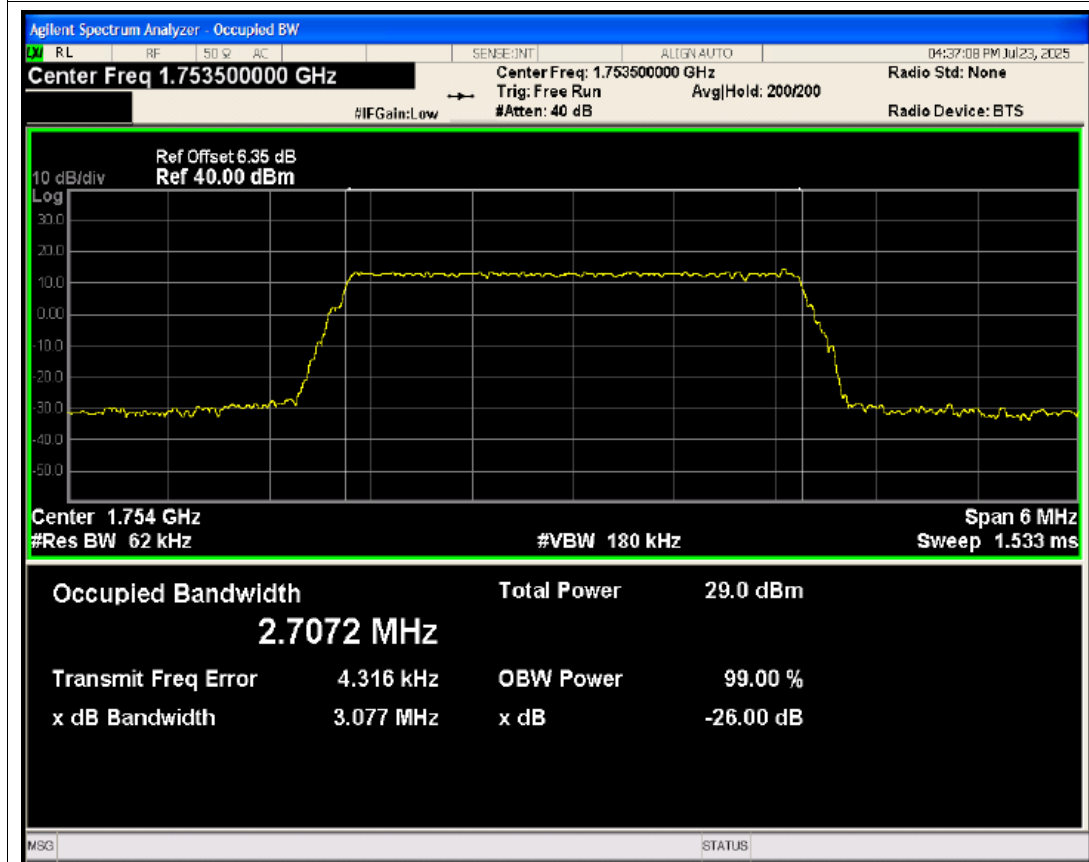
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



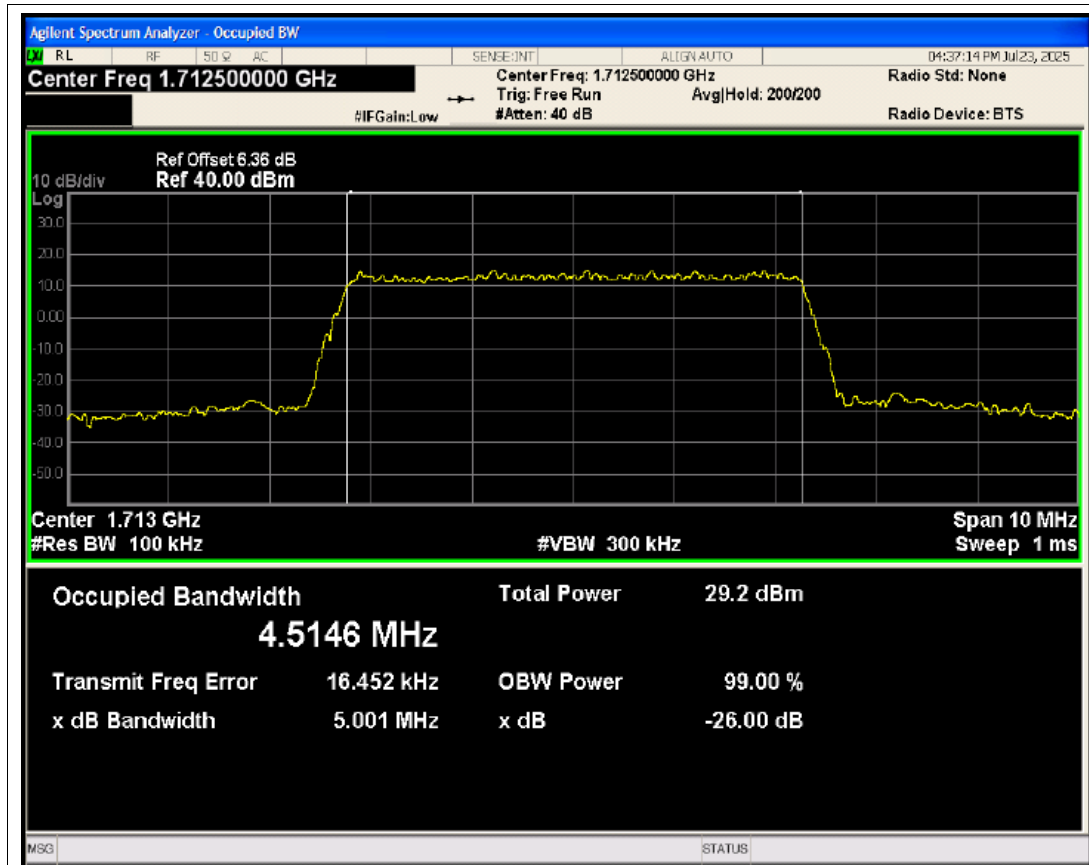
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



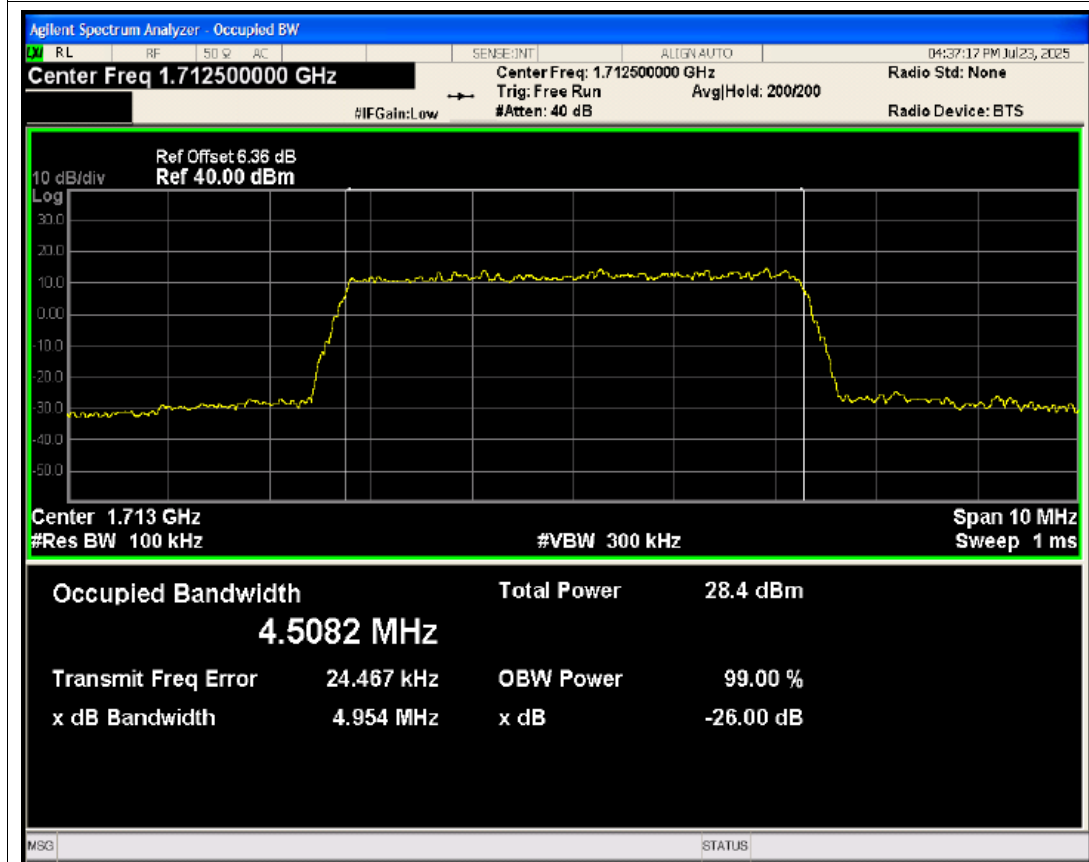
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



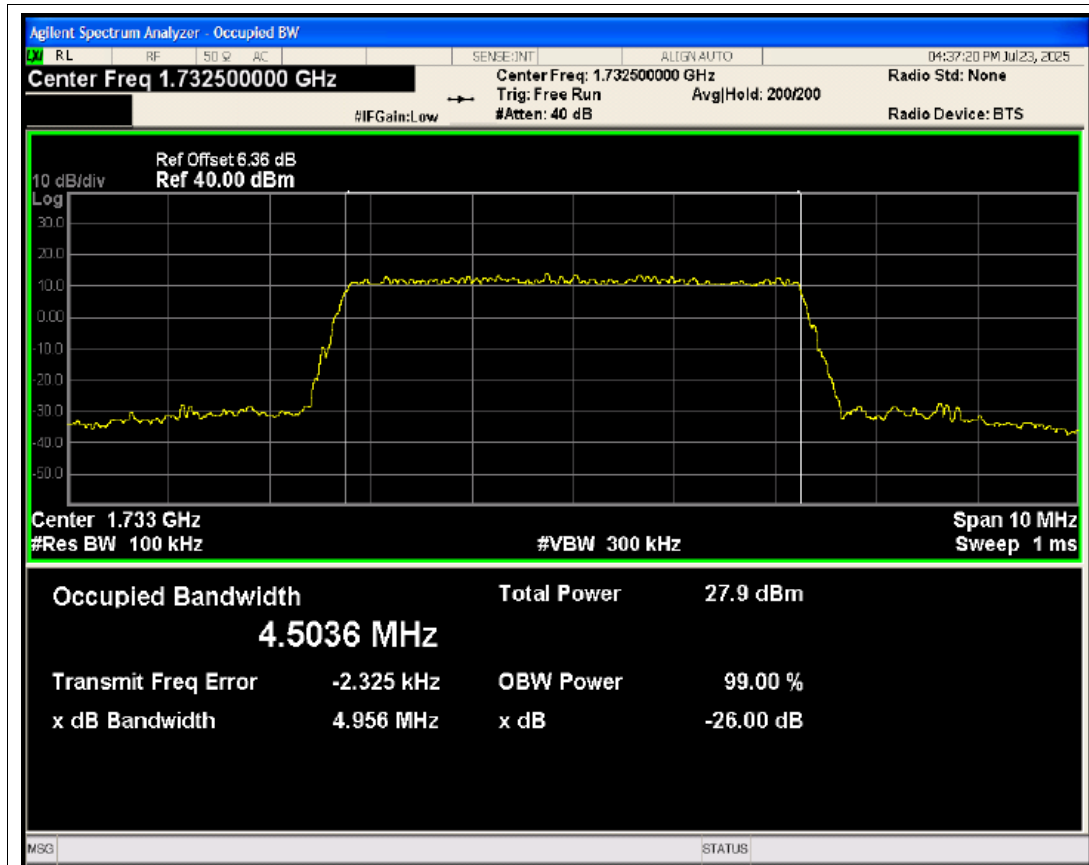
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



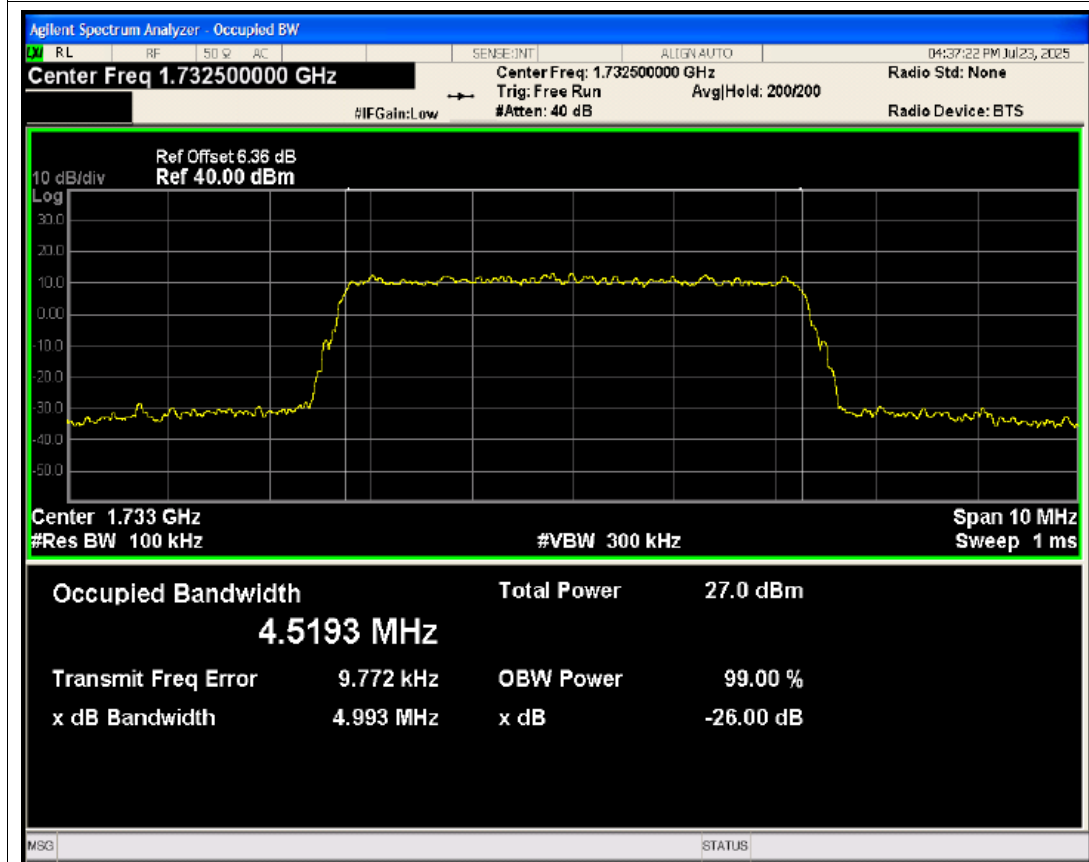
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



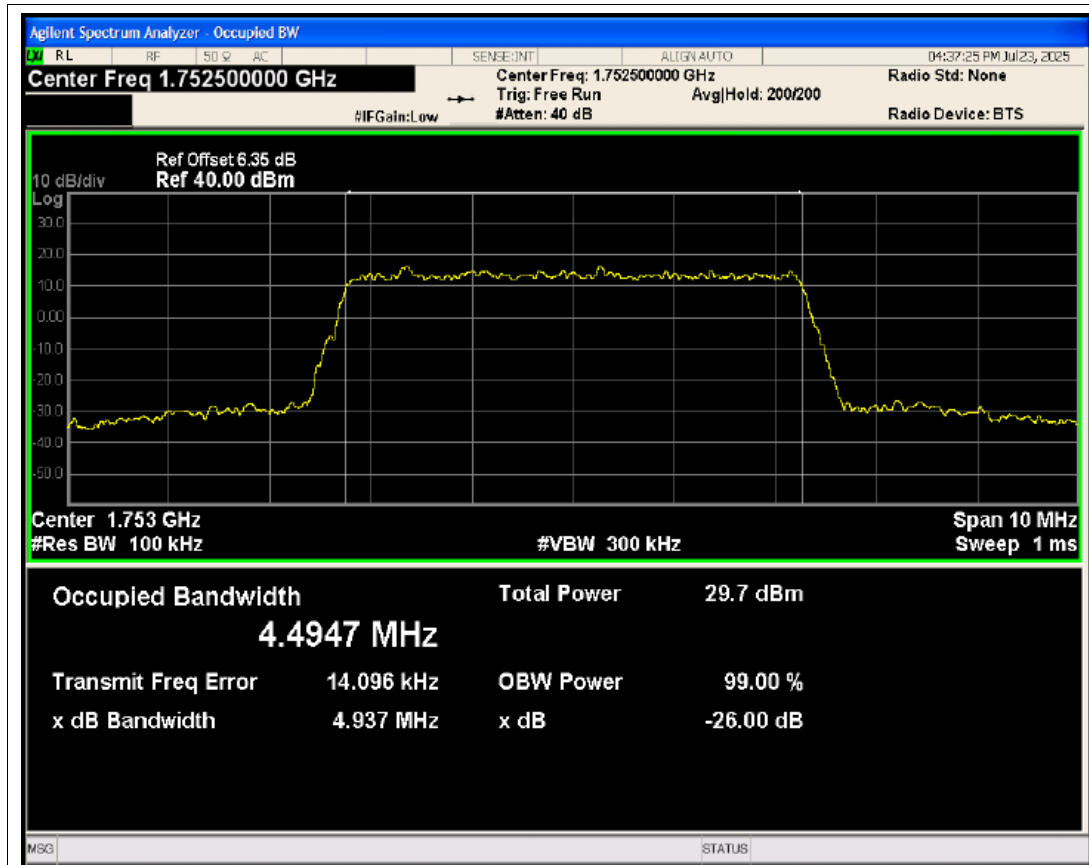
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



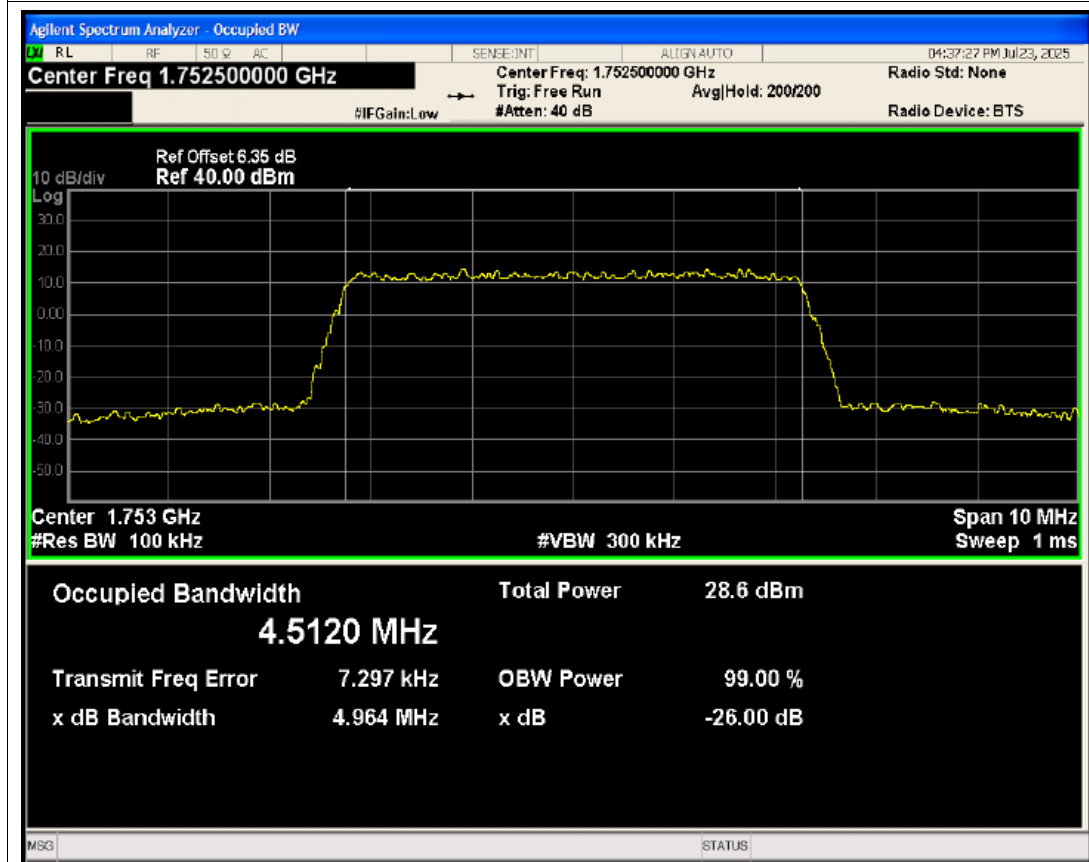
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



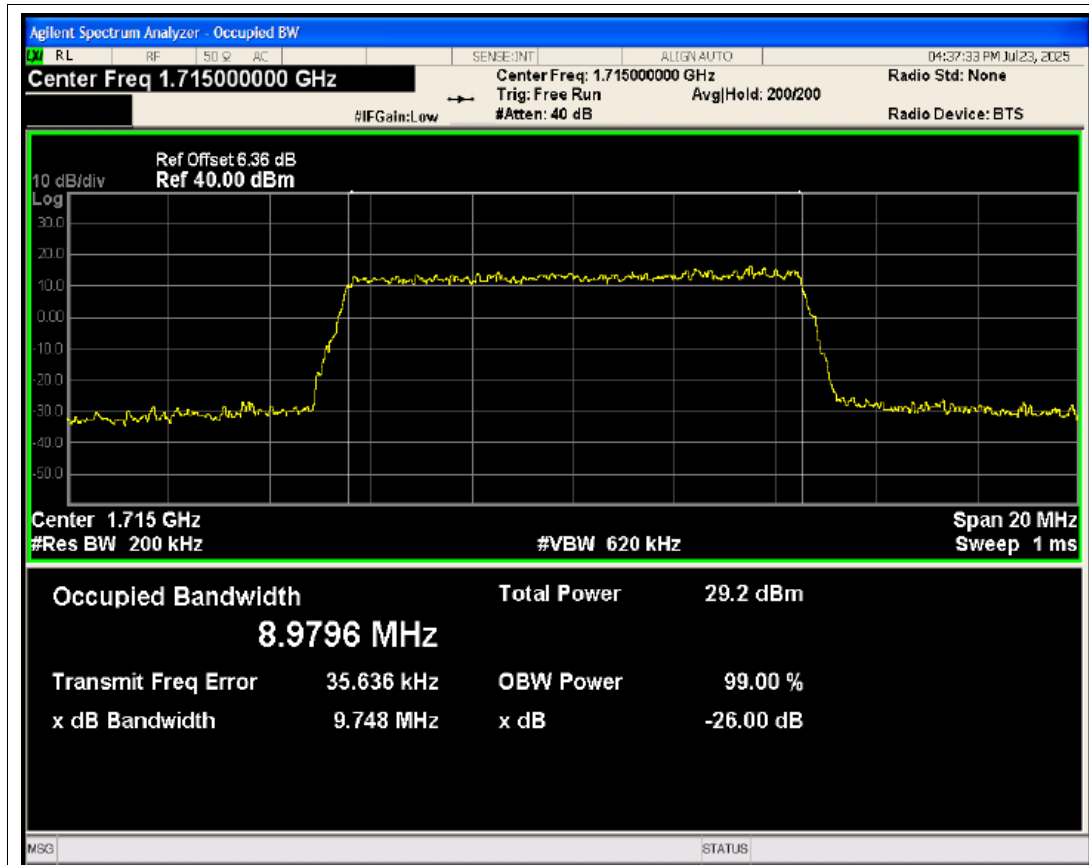
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0 NVNT



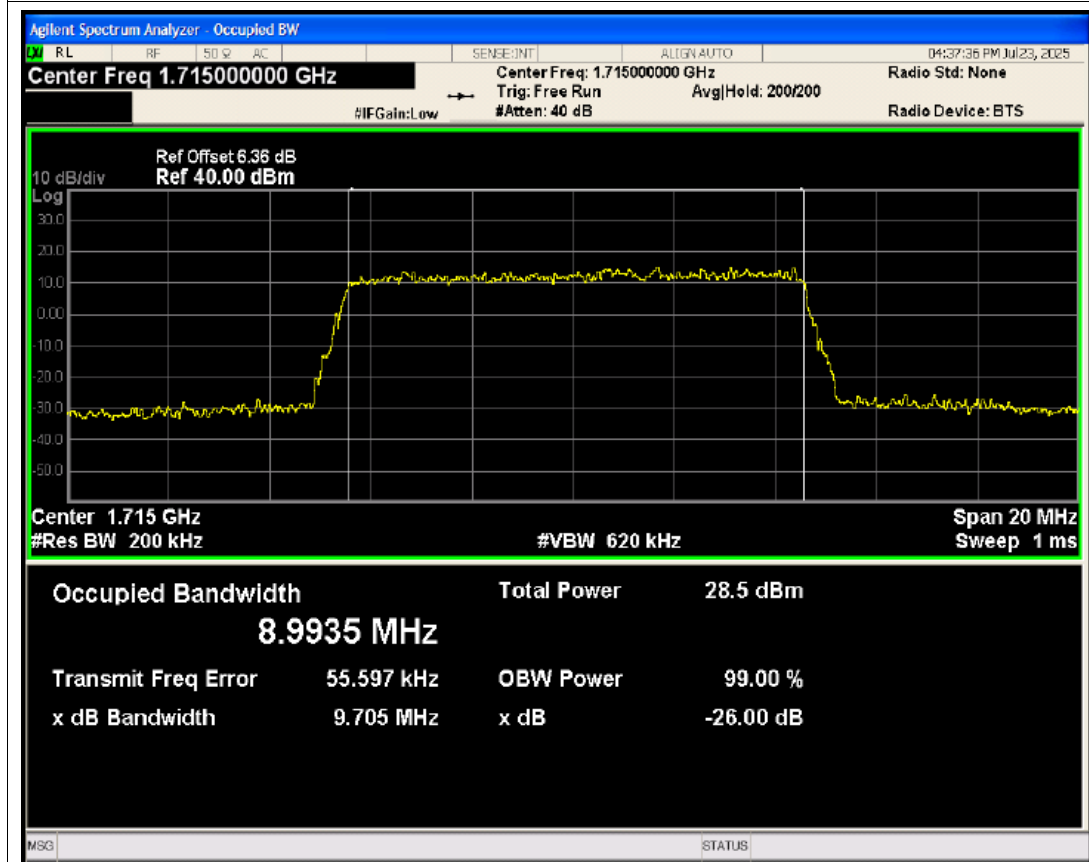
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



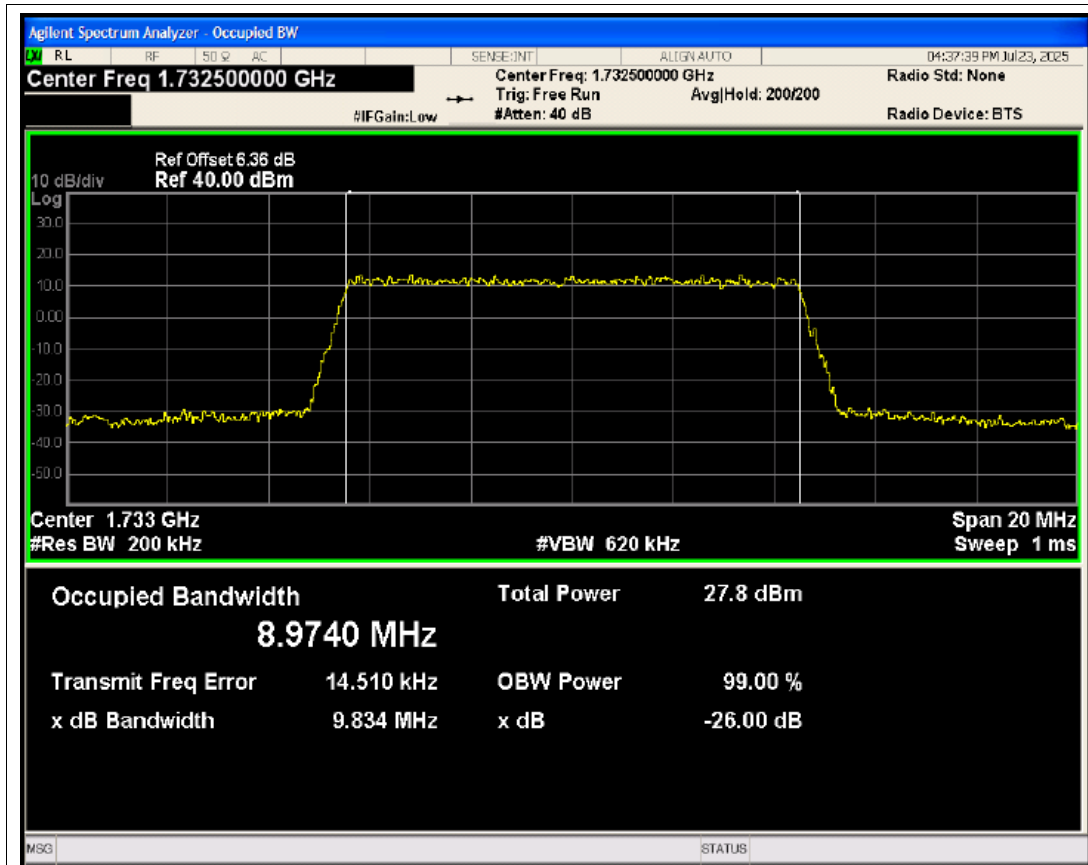
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



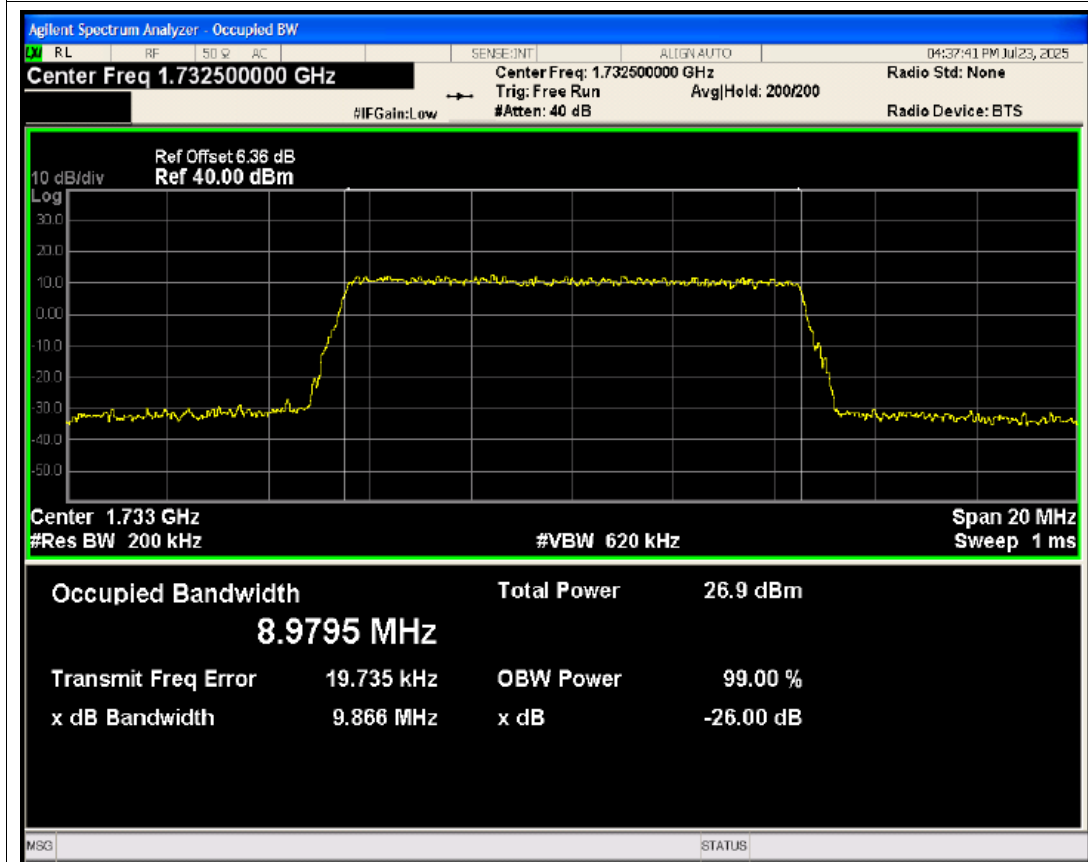
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



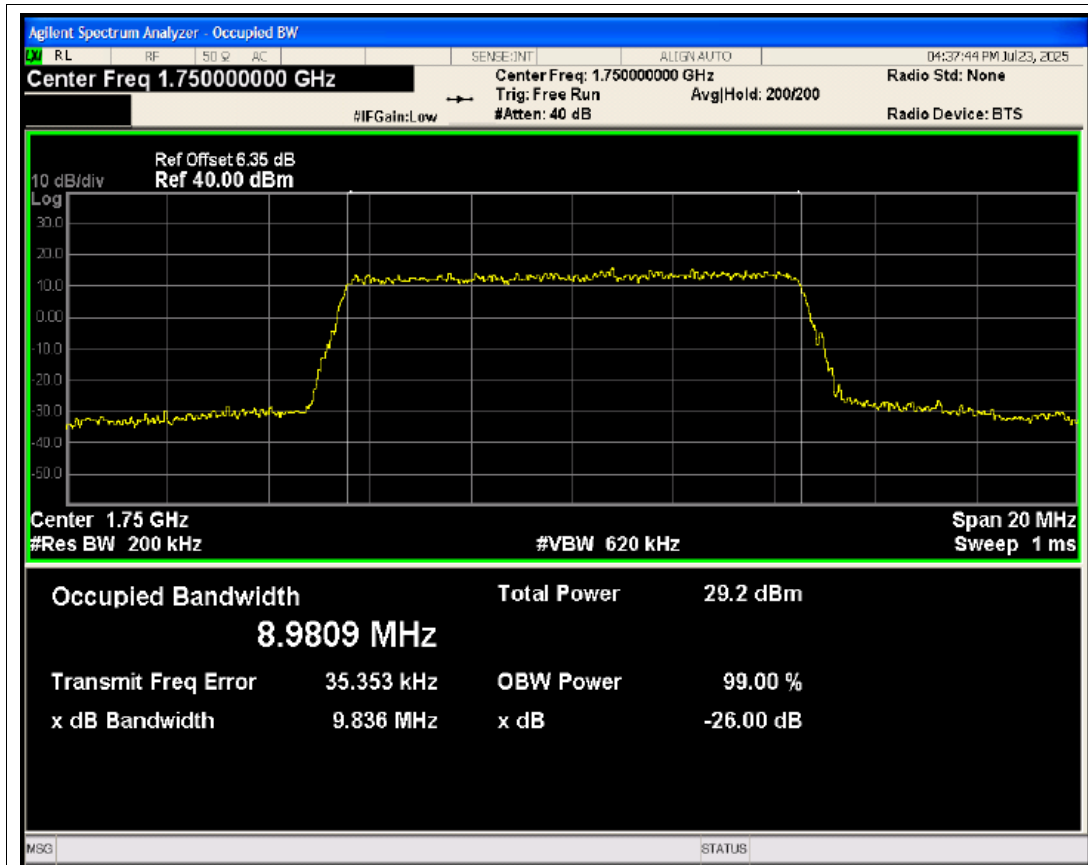
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



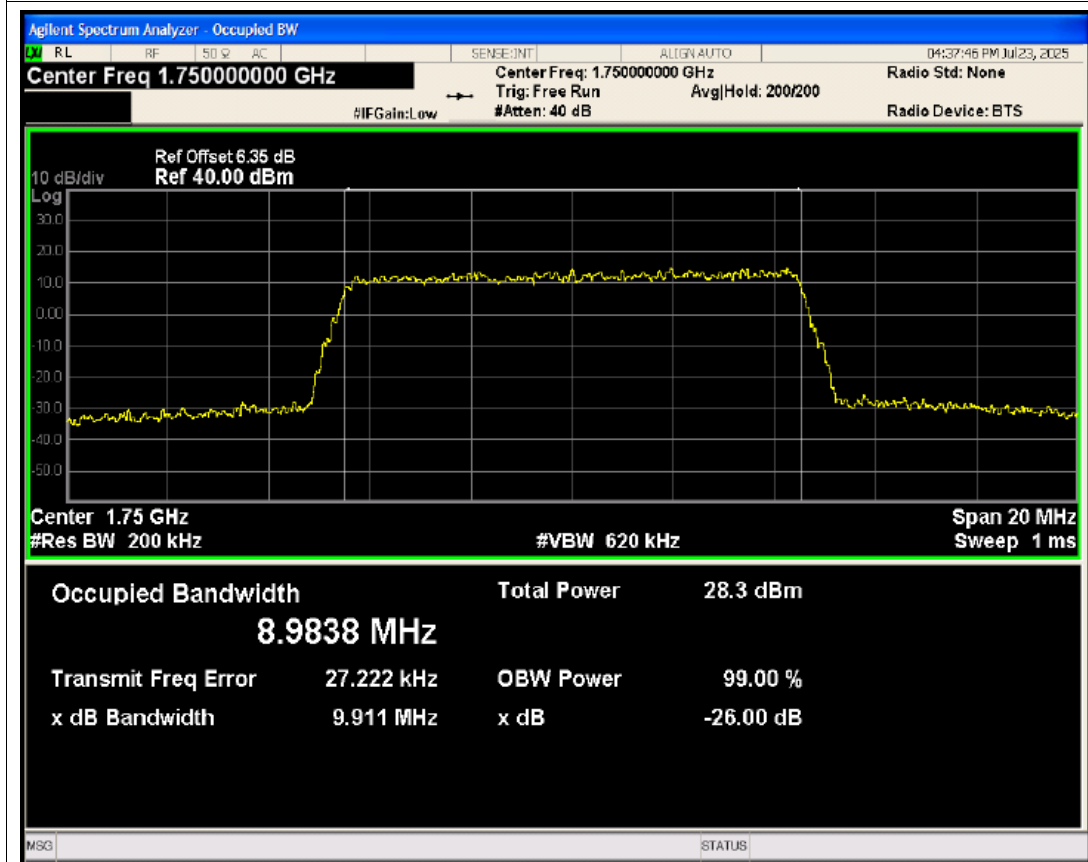
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



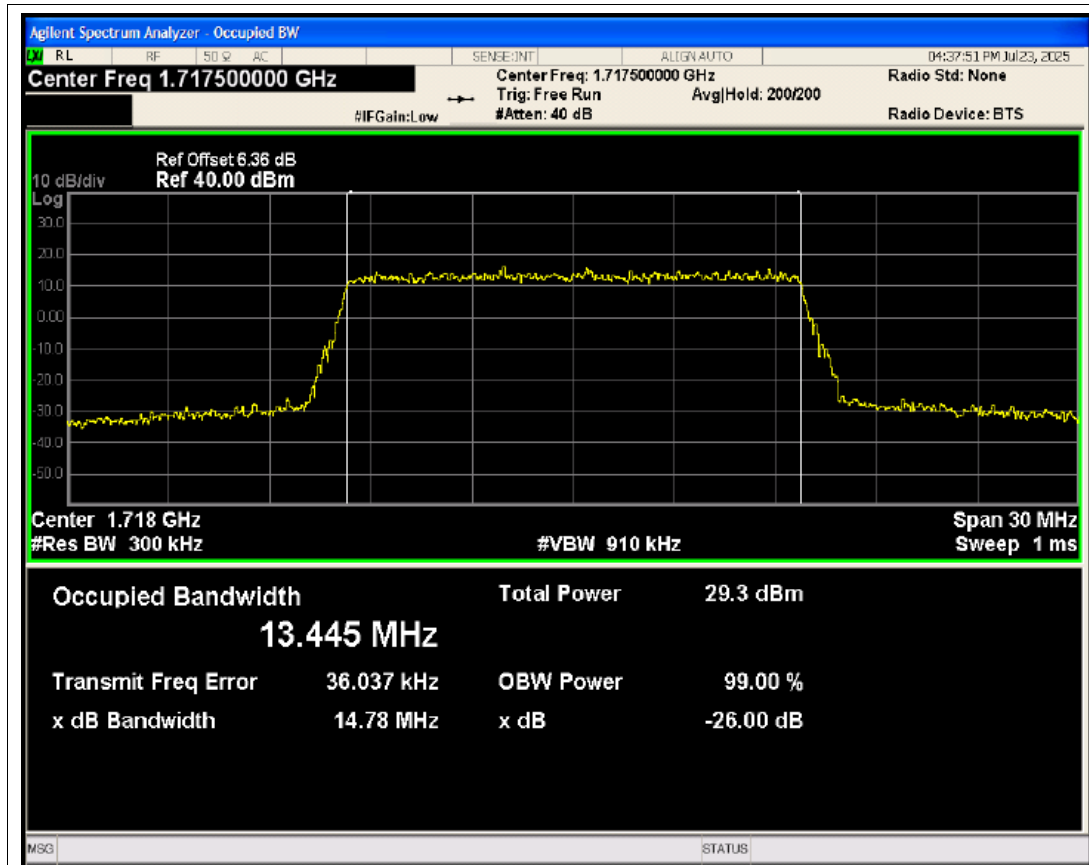
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



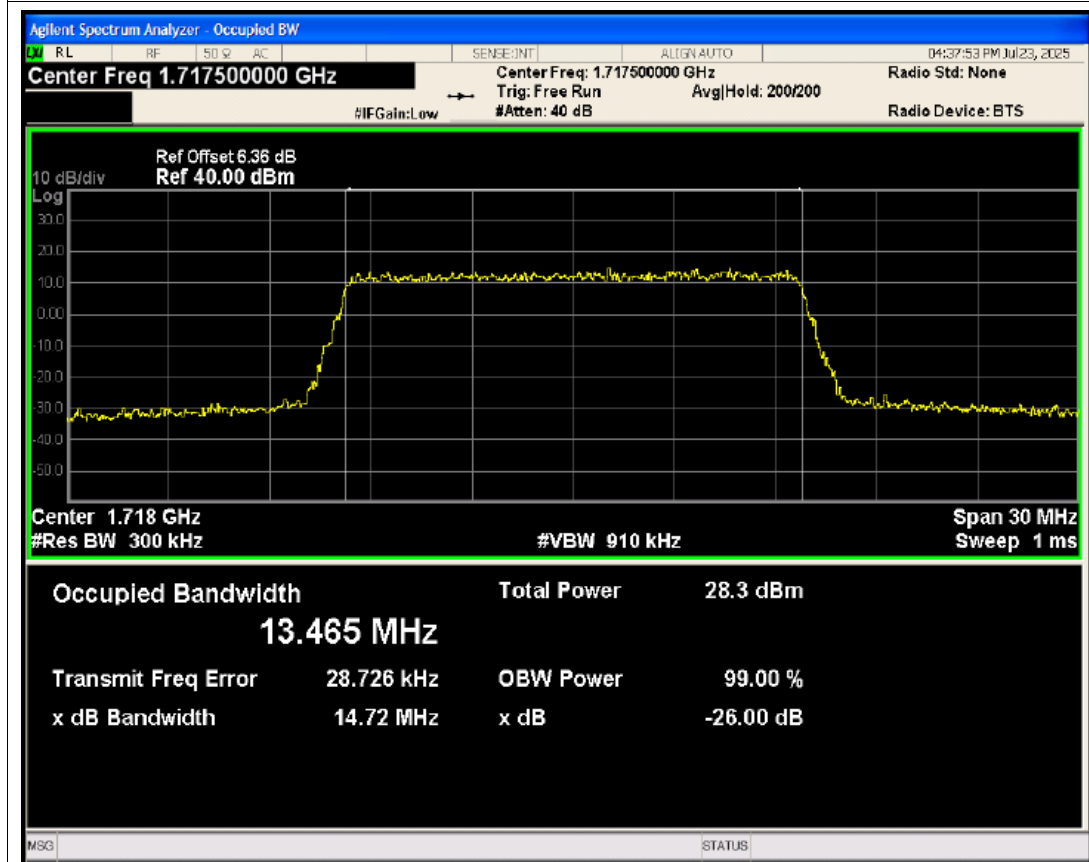
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



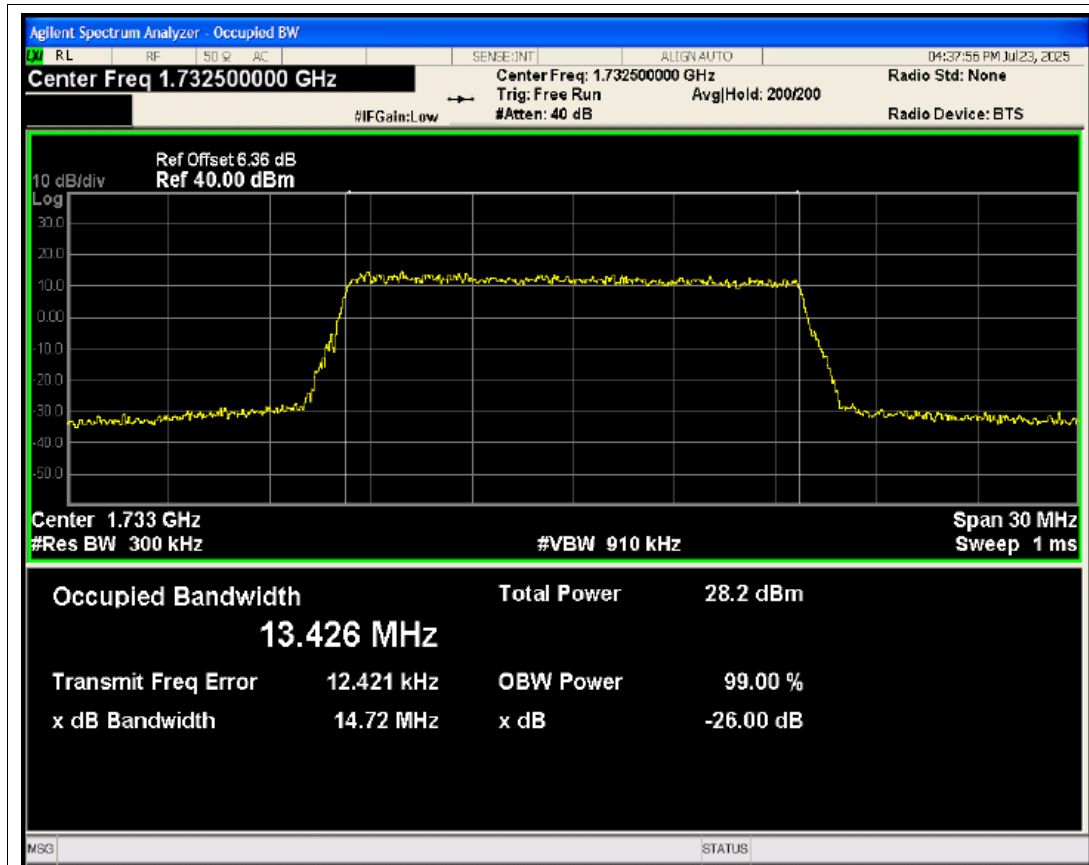
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



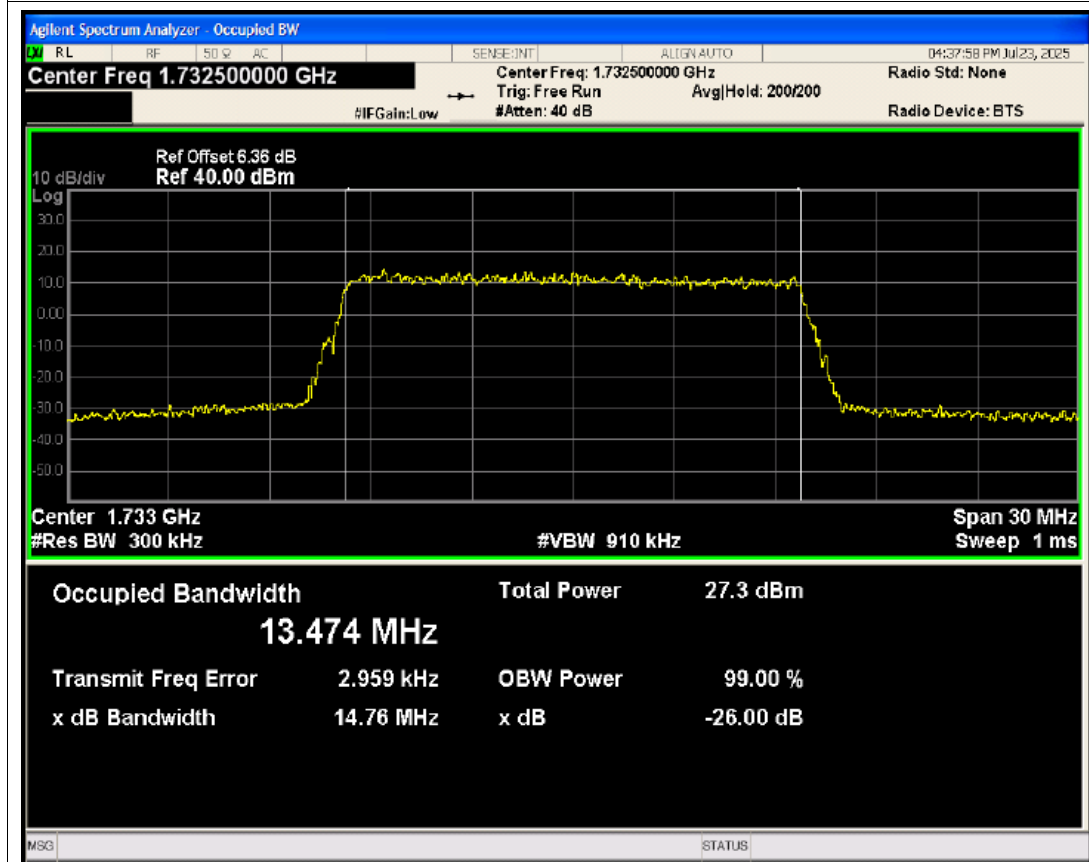
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



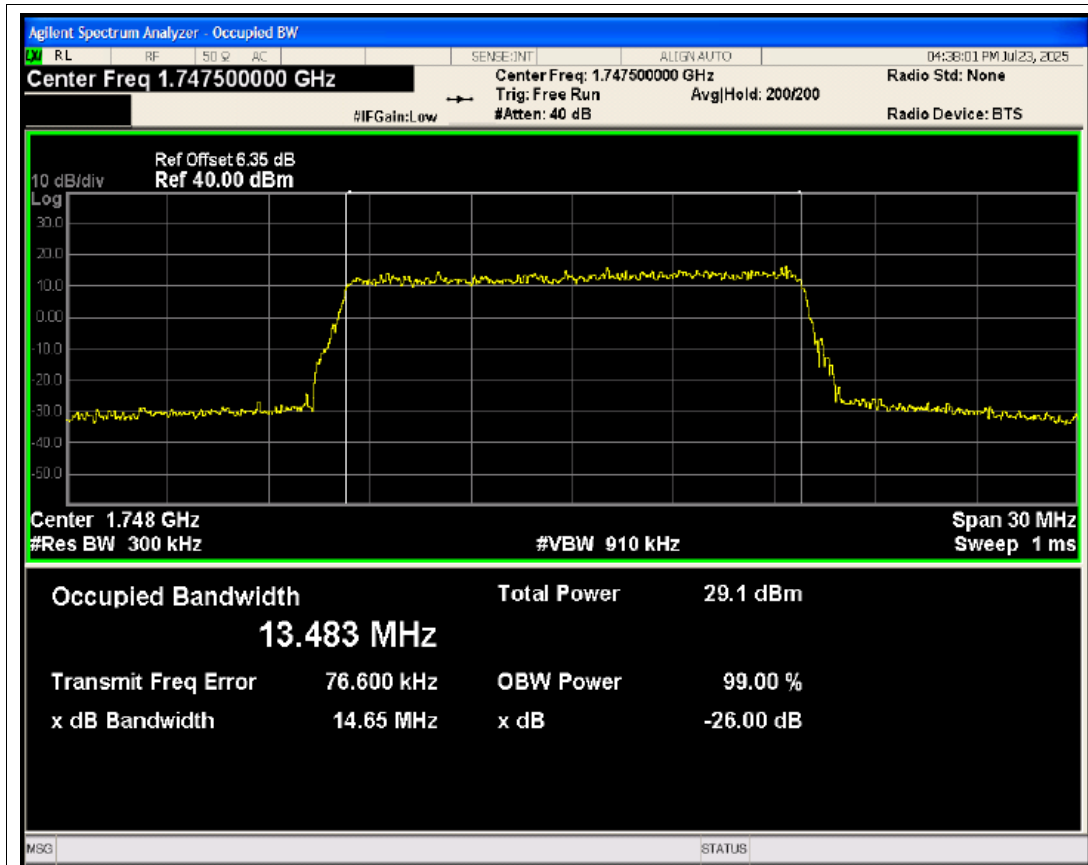
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



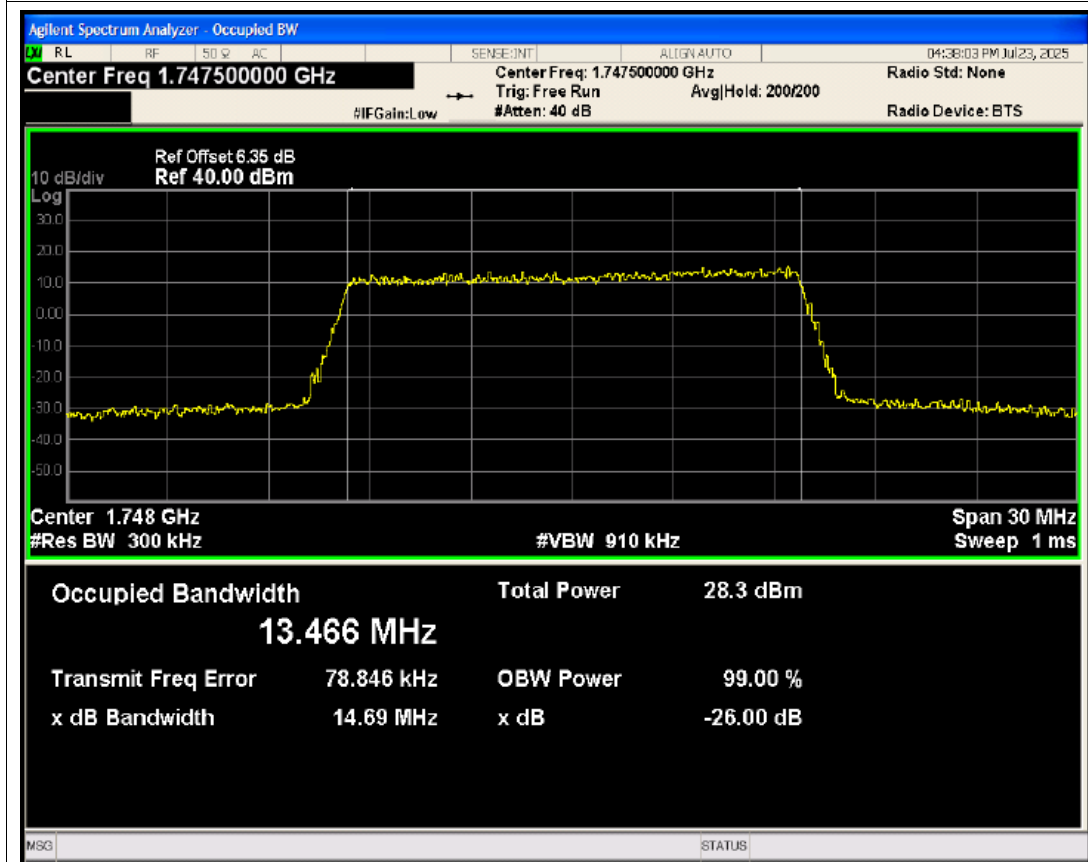
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



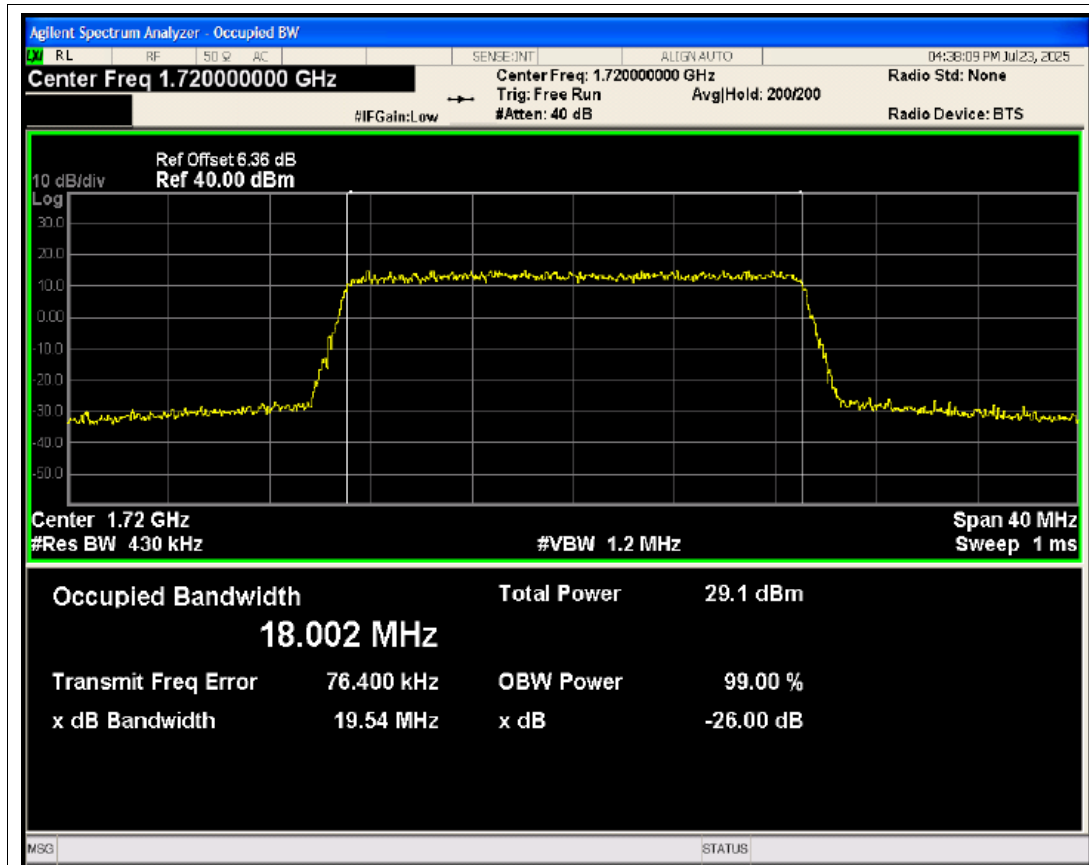
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



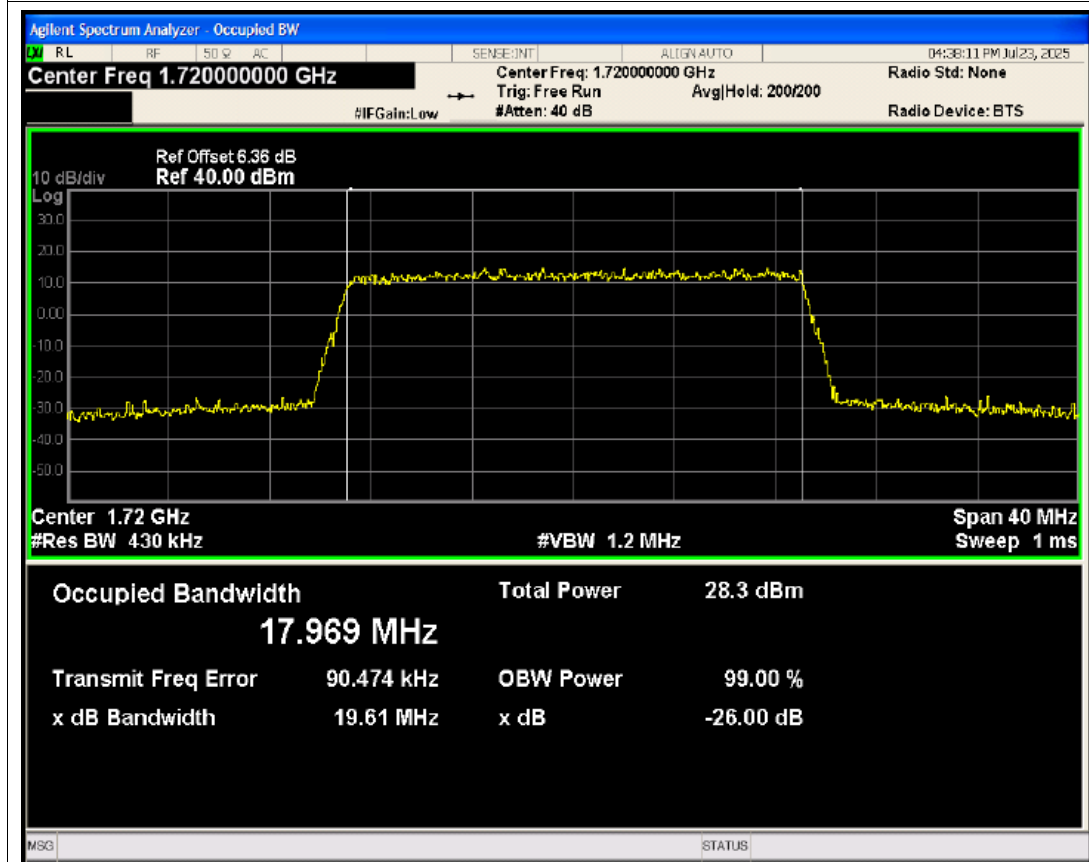
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



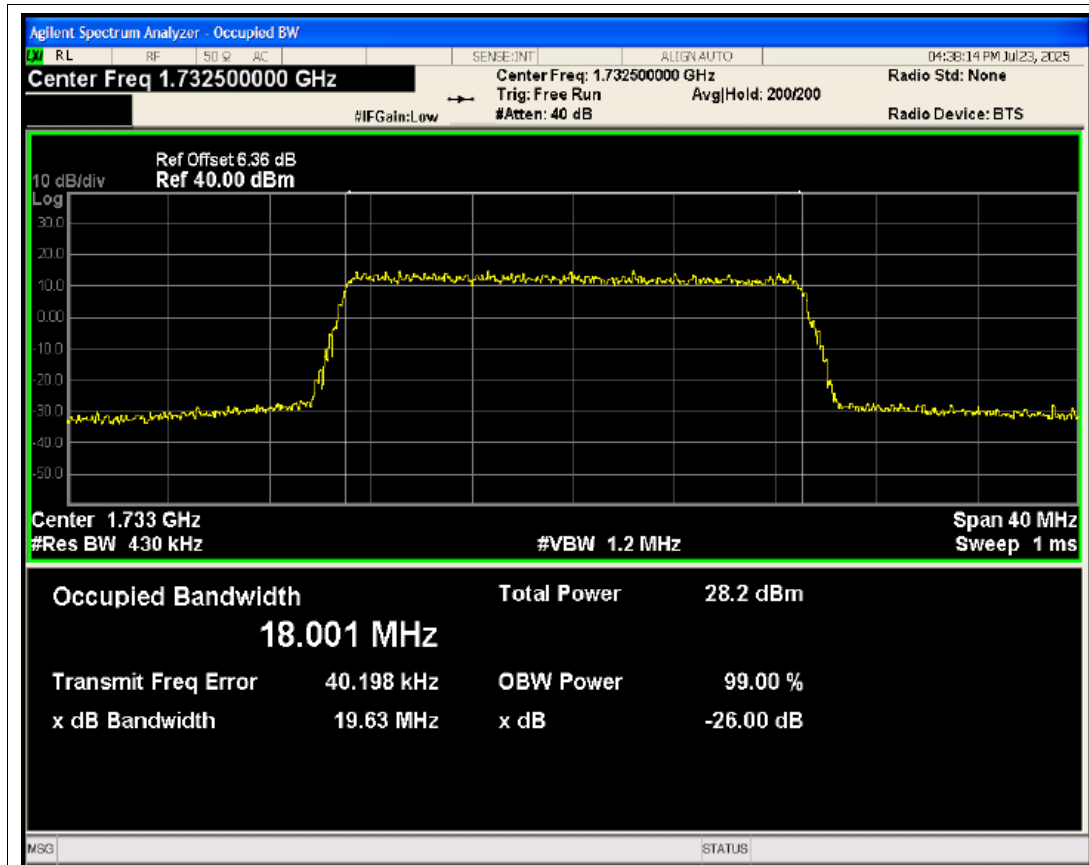
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



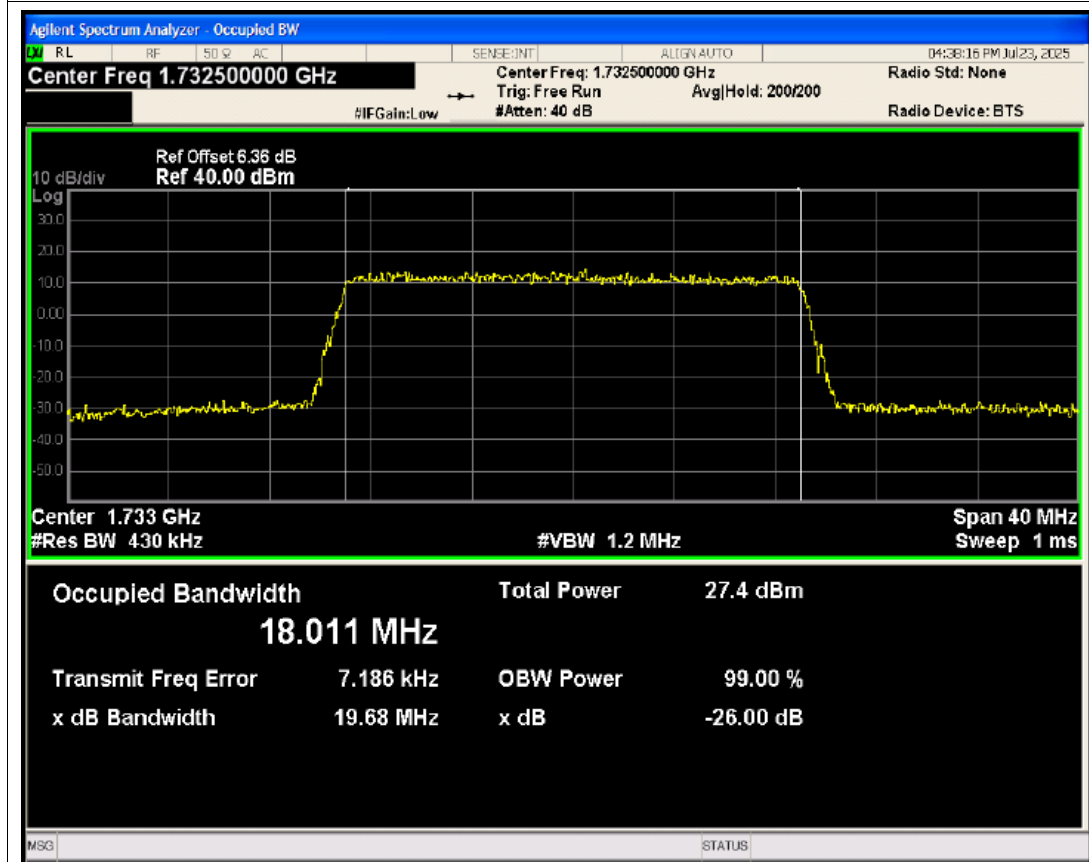
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



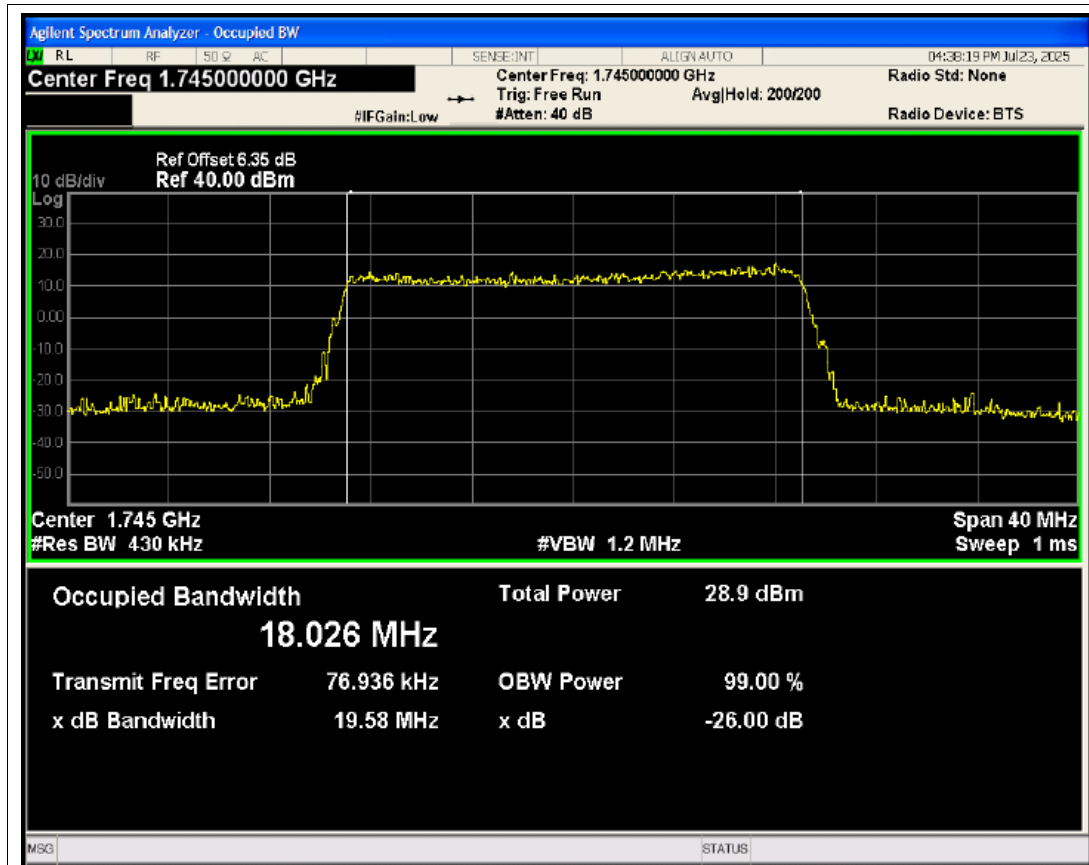
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



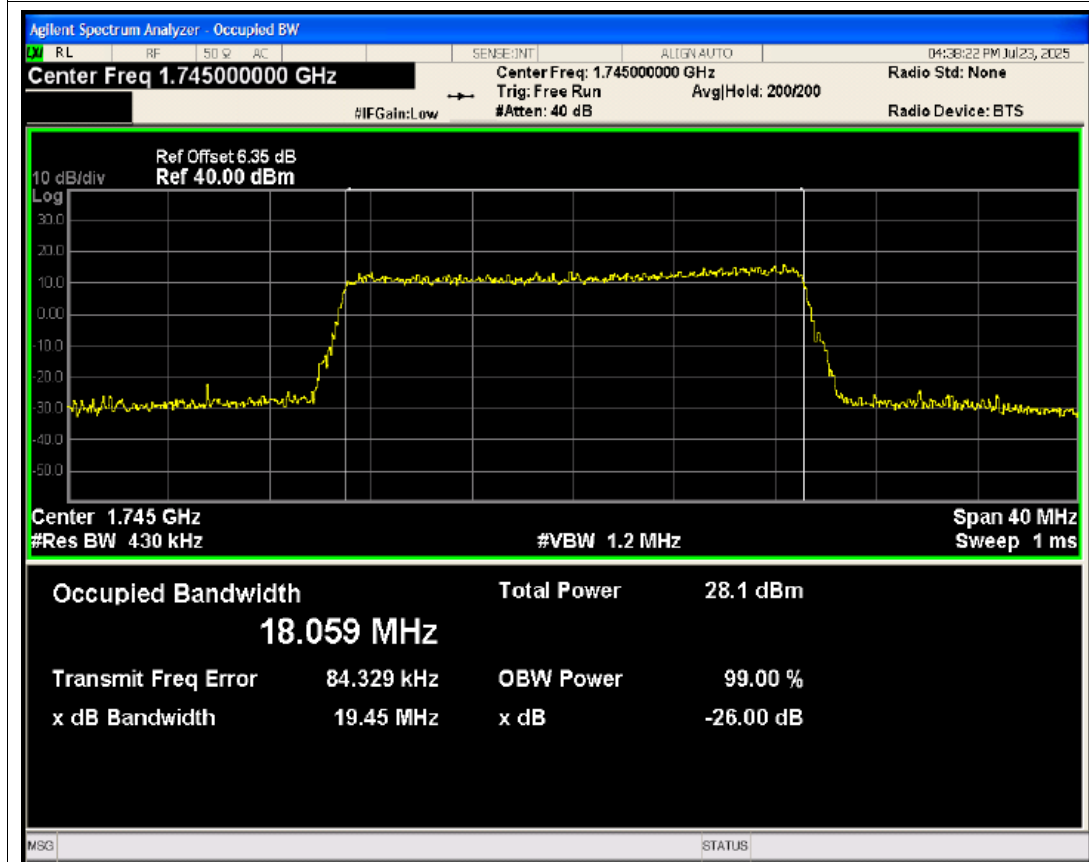
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



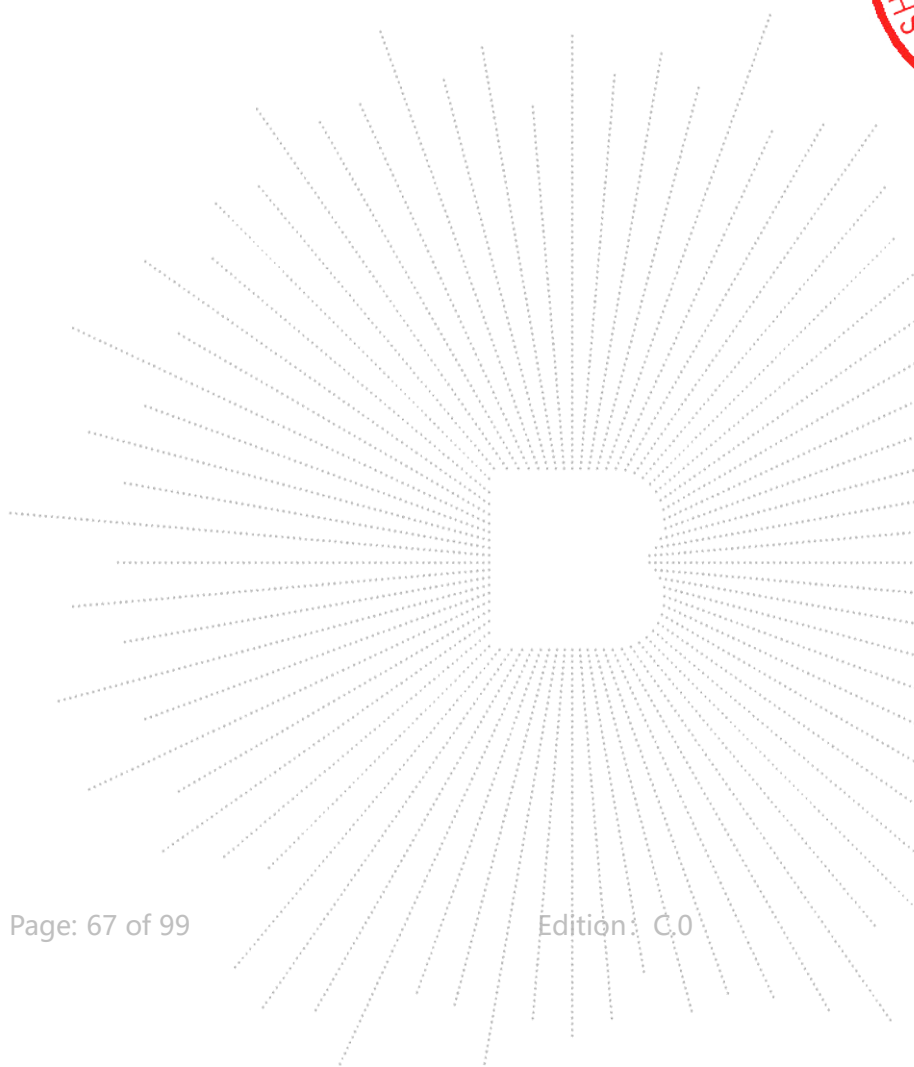
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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

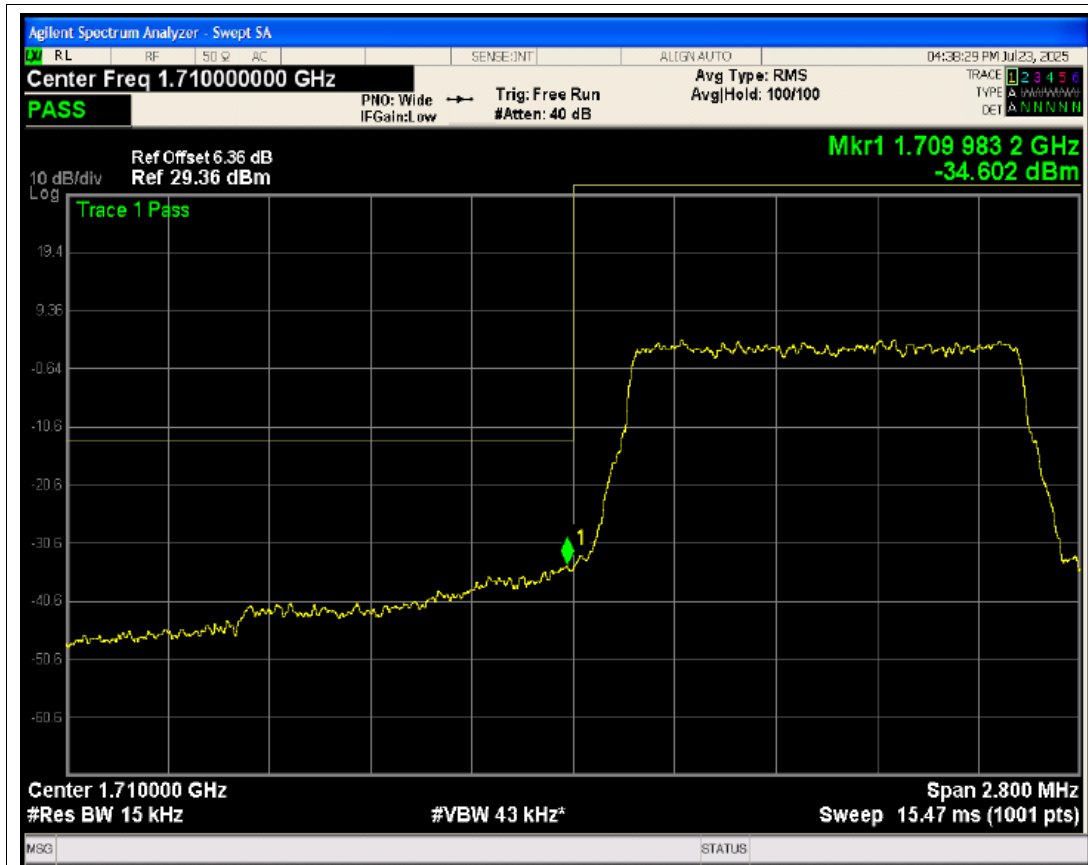


Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

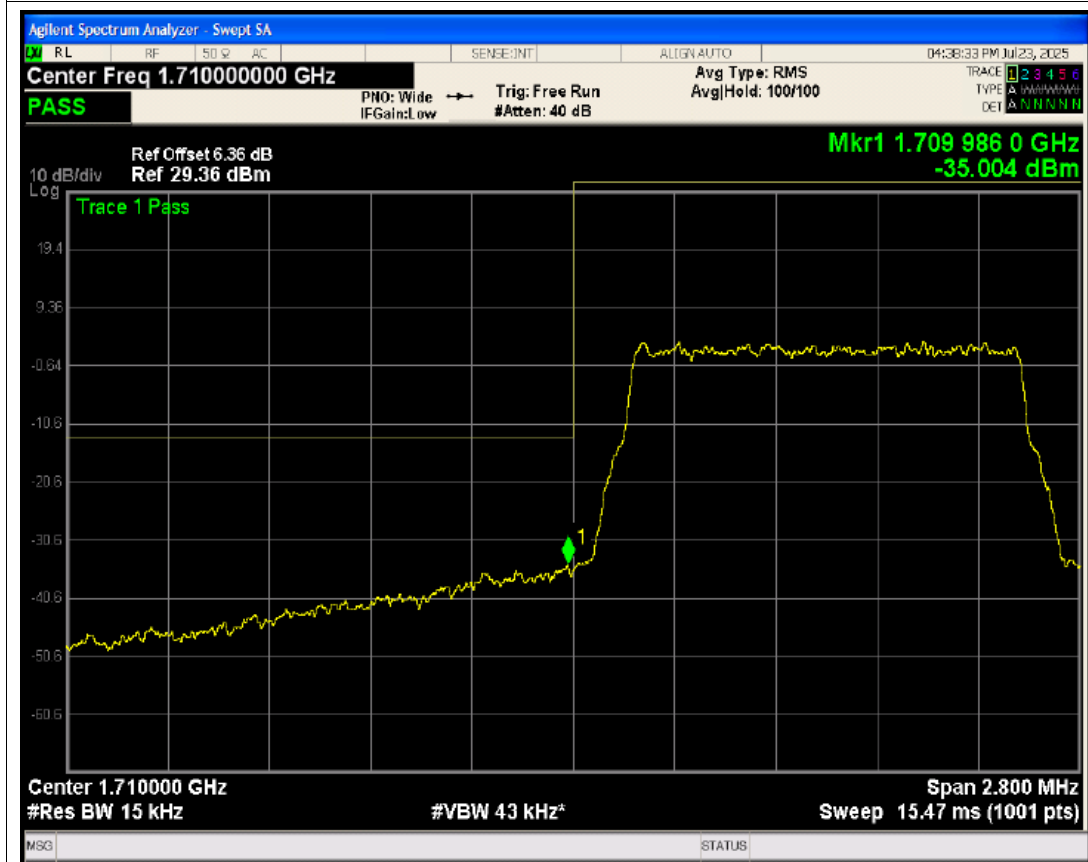


Appendix 5. Band edge

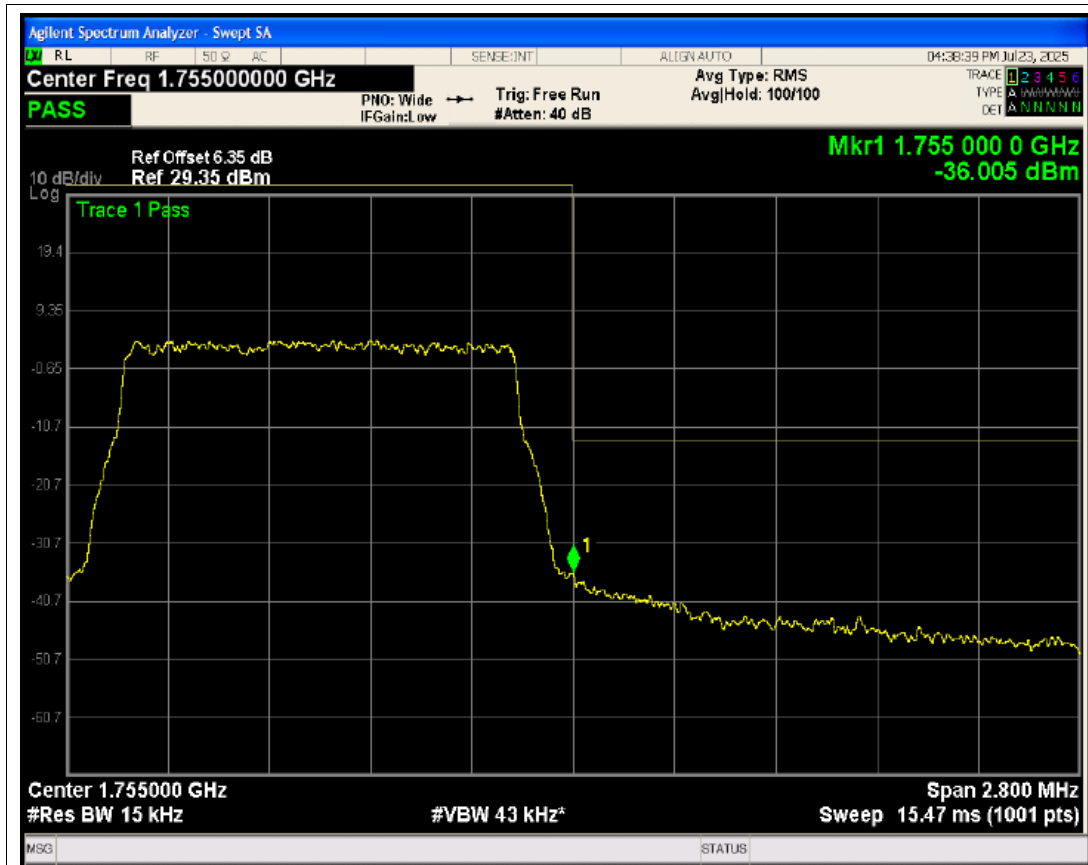
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1709.98	-34.60	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1709.99	-35.00	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-36.00	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.03	-36.80	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-27.34	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-27.41	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-27.50	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-27.12	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-32.33	-13	PASS
Band4	5	19975	25	#0	16QAM	1710.00	-32.55	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-32.85	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-32.28	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-35.31	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-36.84	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.02	-32.73	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-36.05	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.97	-36.87	-13	PASS
Band4	15	20025	75	#0	16QAM	1709.58	-37.66	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.00	-33.12	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-32.73	-13	PASS
Band4	20	20050	100	#0	QPSK	1710.00	-37.84	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.96	-37.32	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.00	-34.91	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-36.13	-13	PASS



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



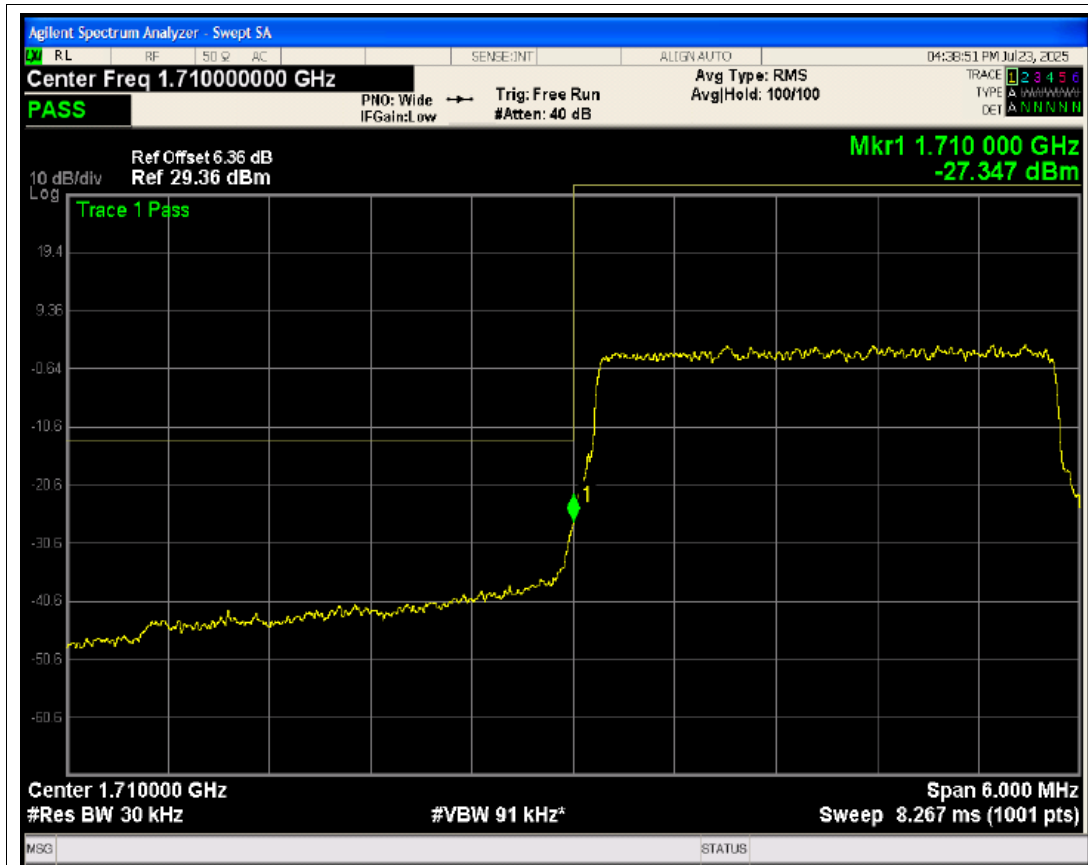
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



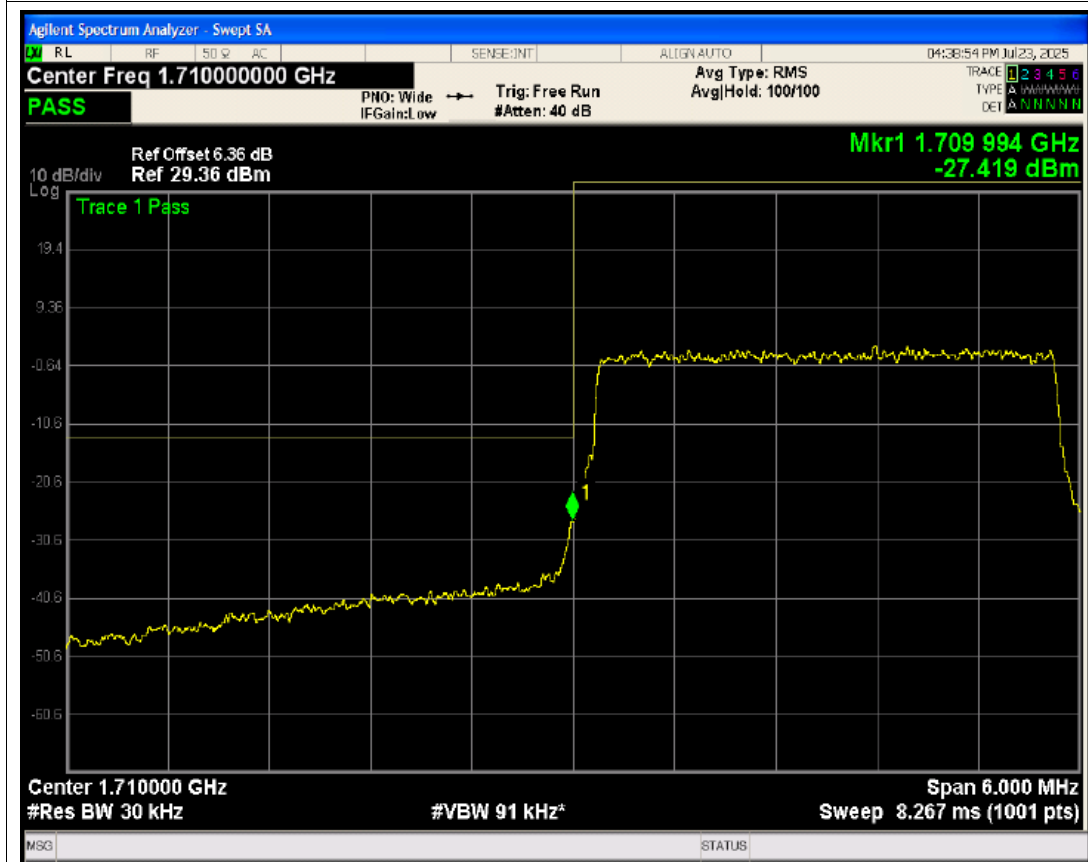
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



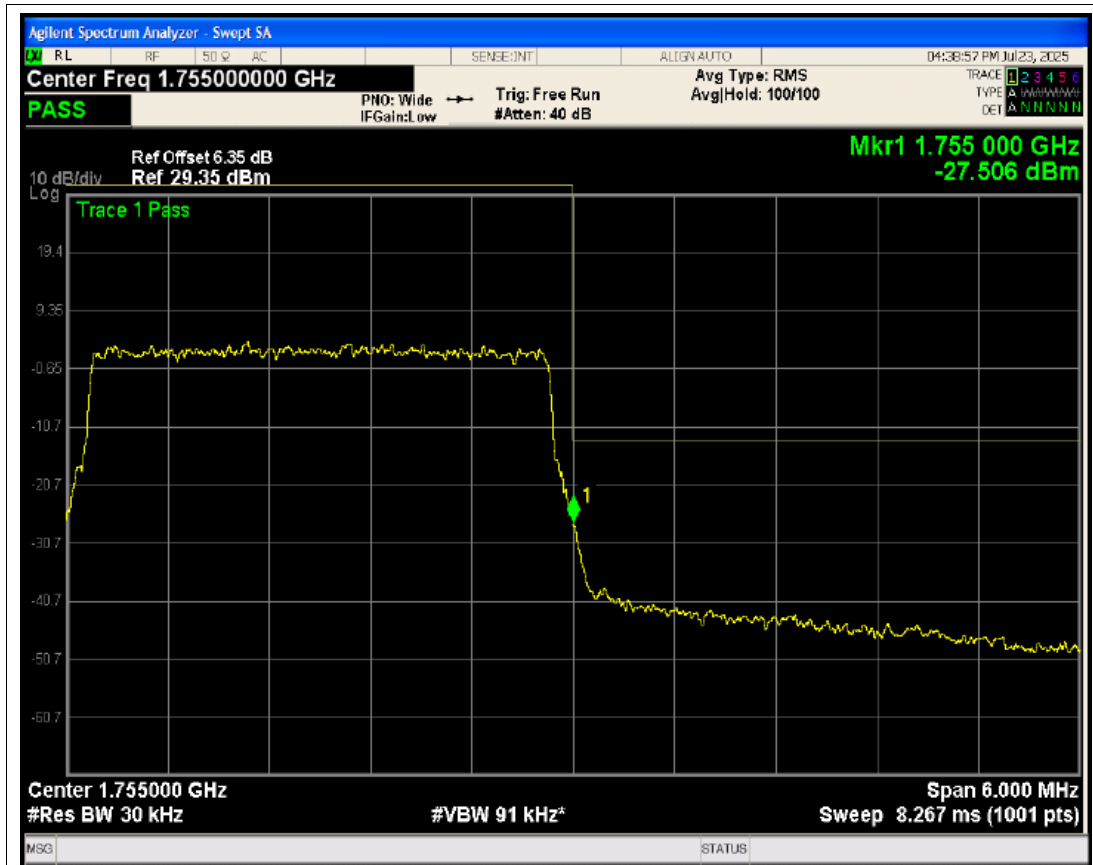
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



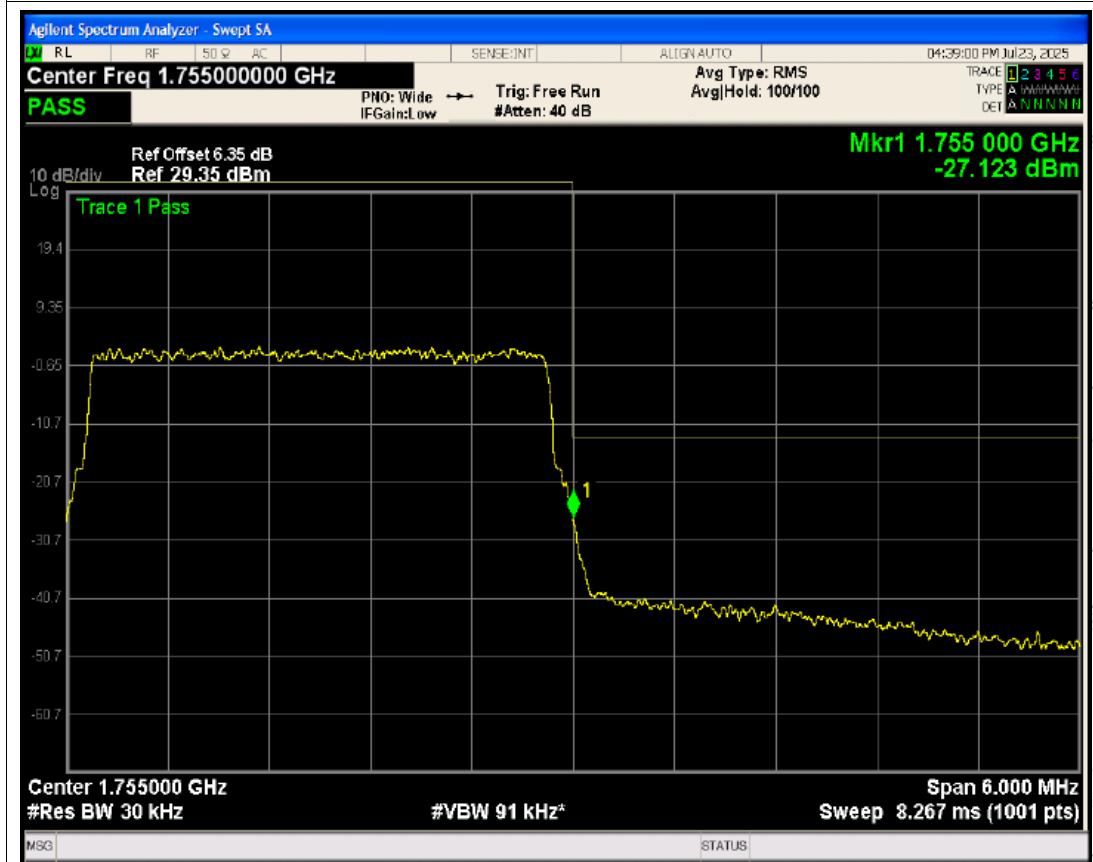
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



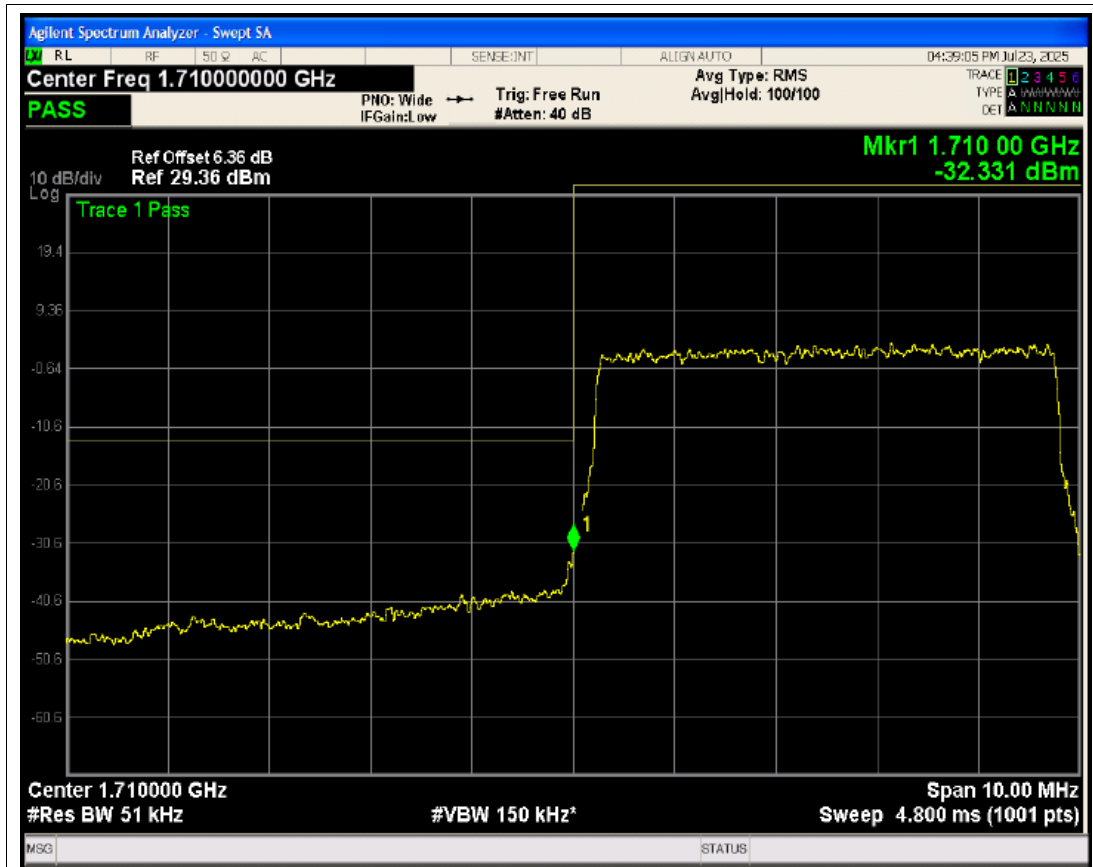
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



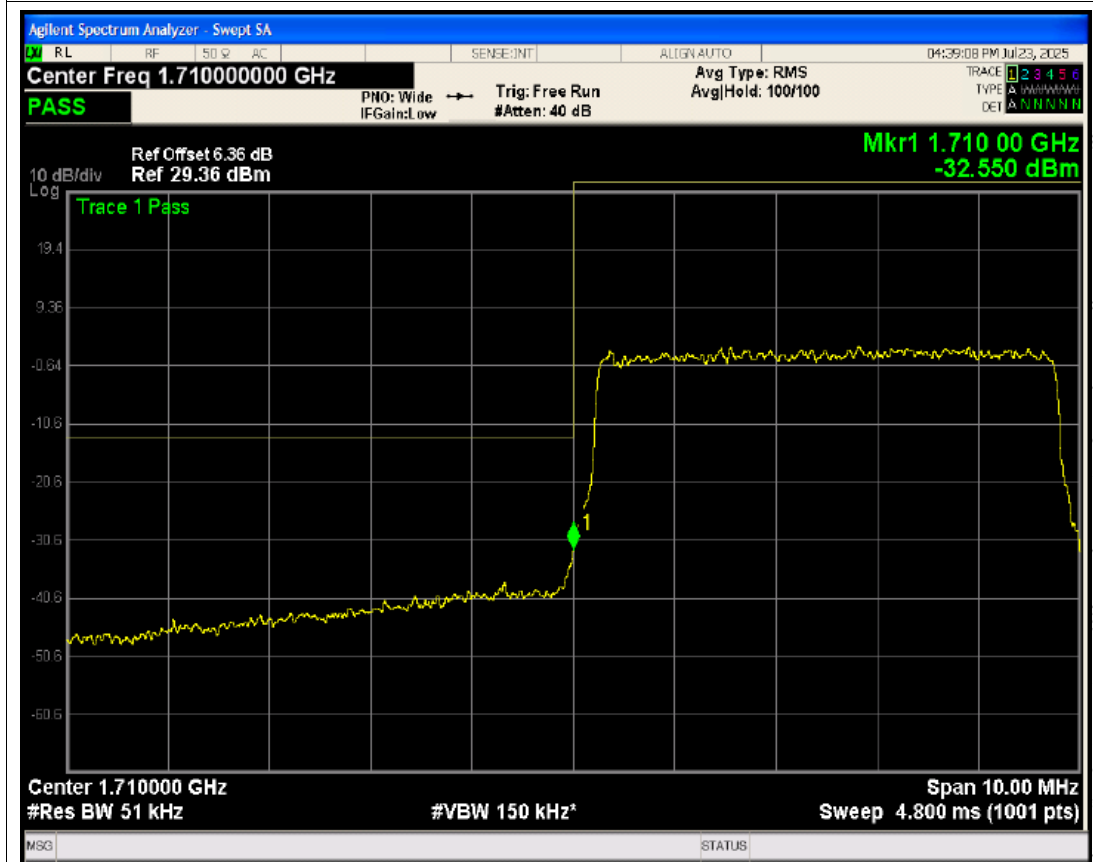
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



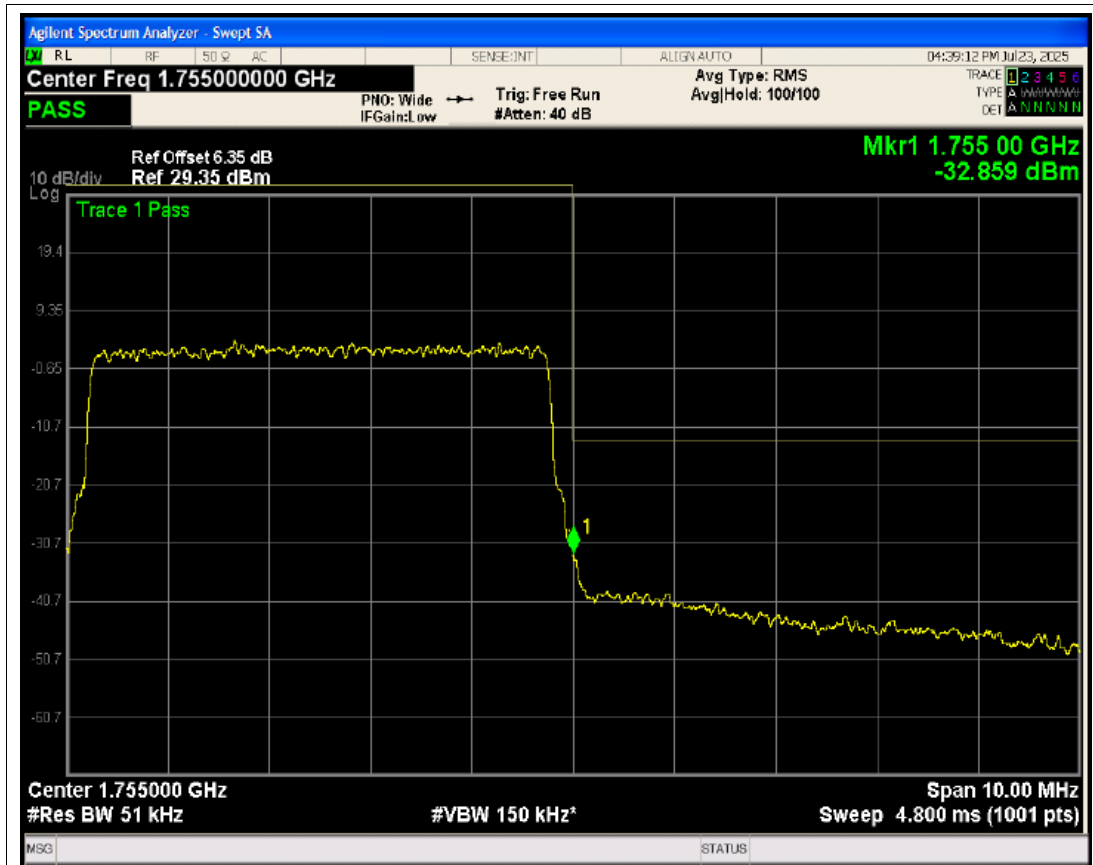
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



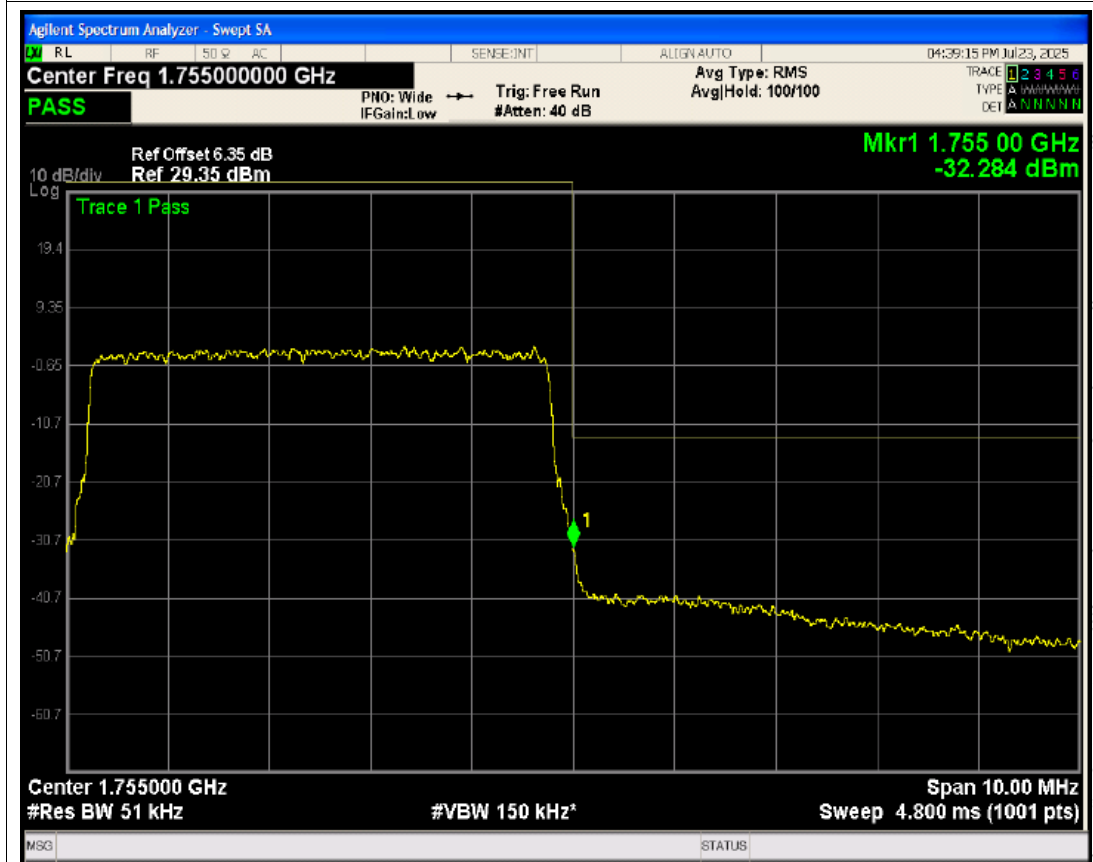
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



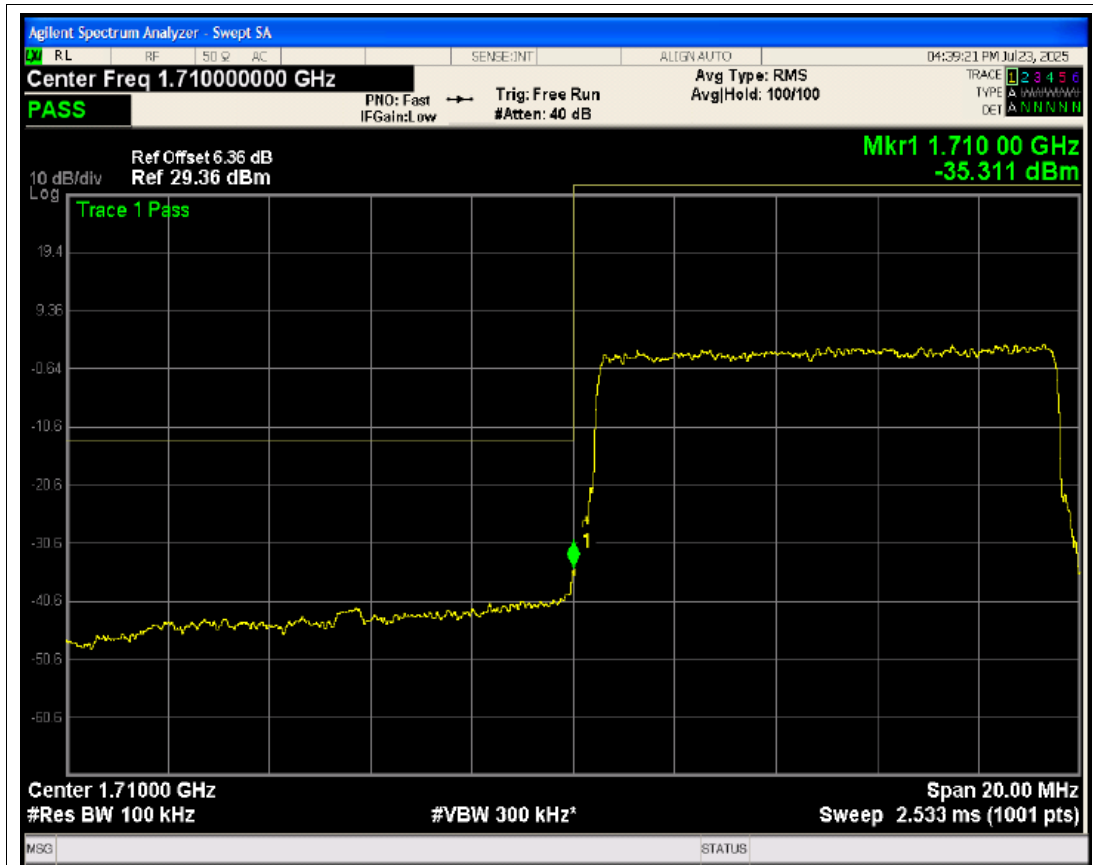
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



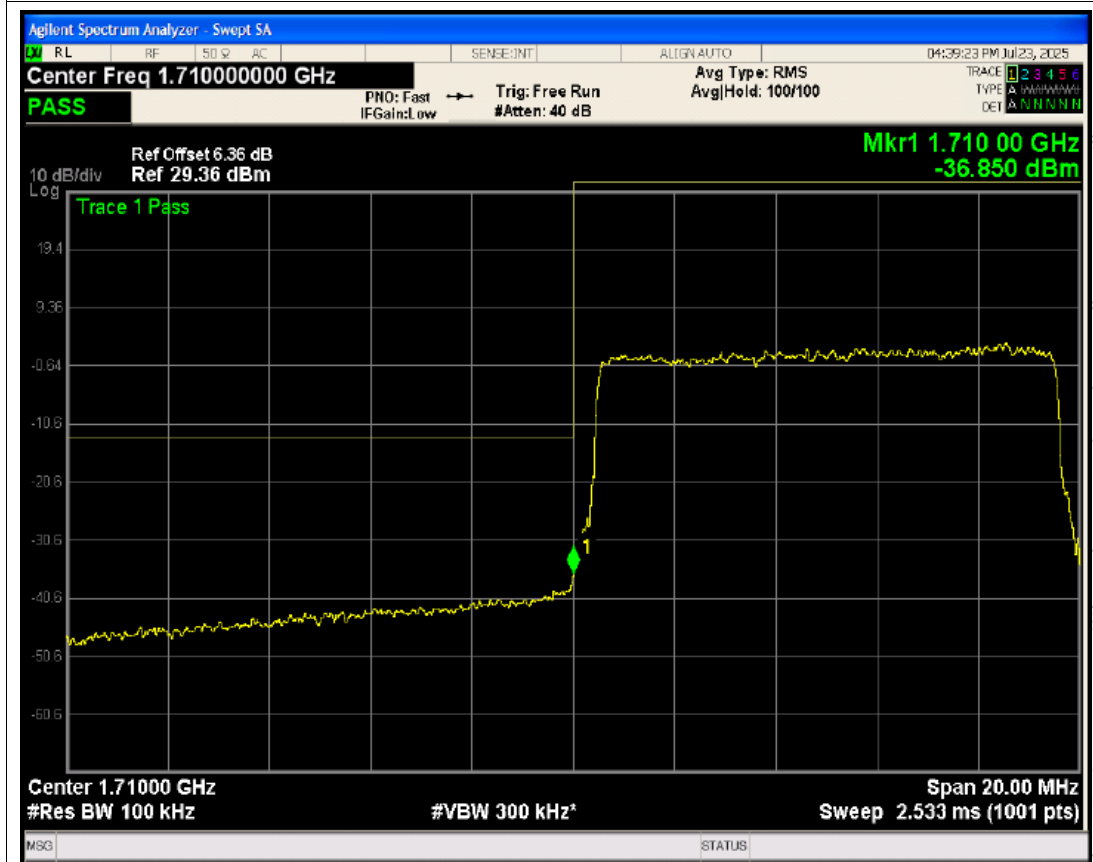
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



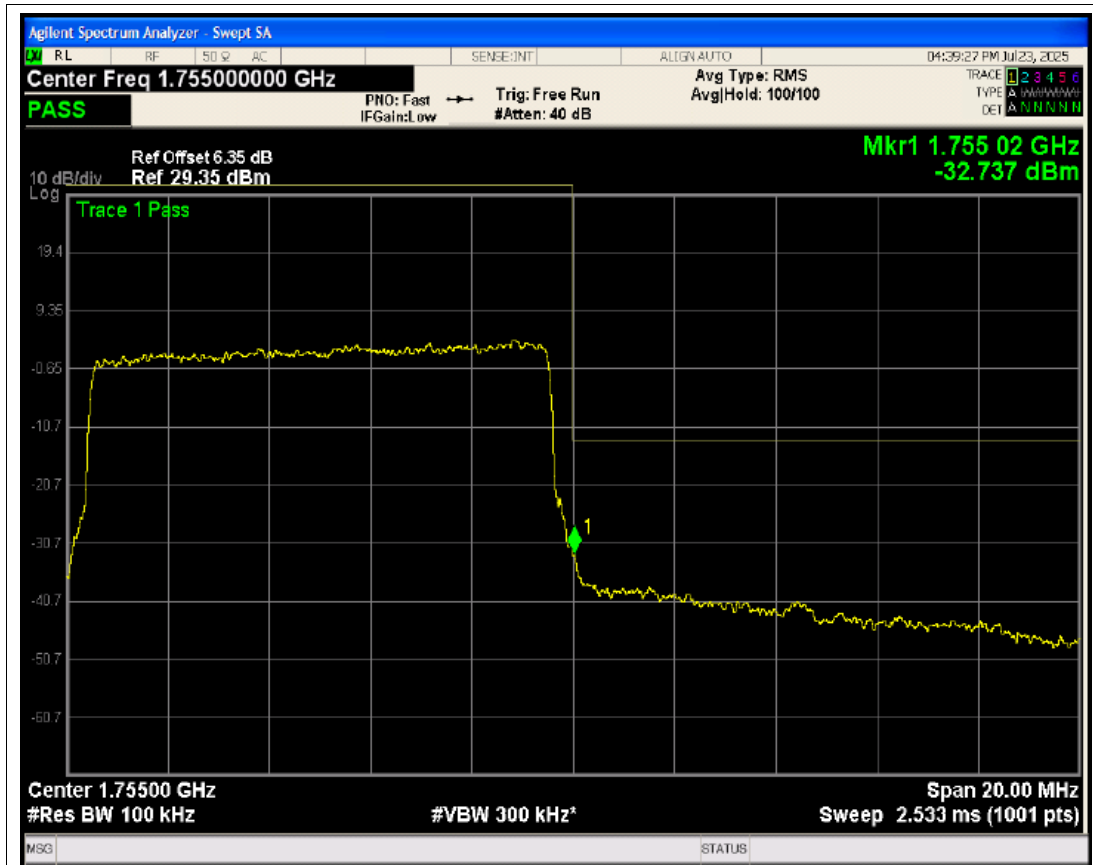
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



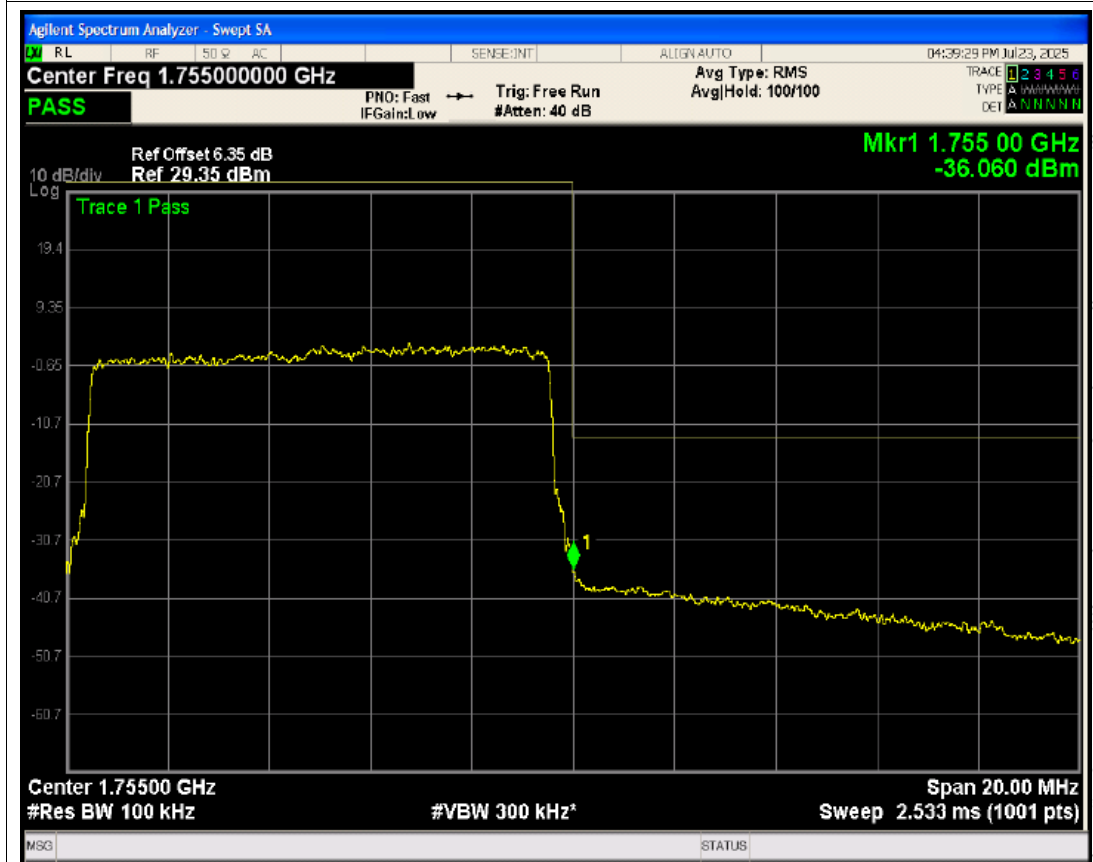
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



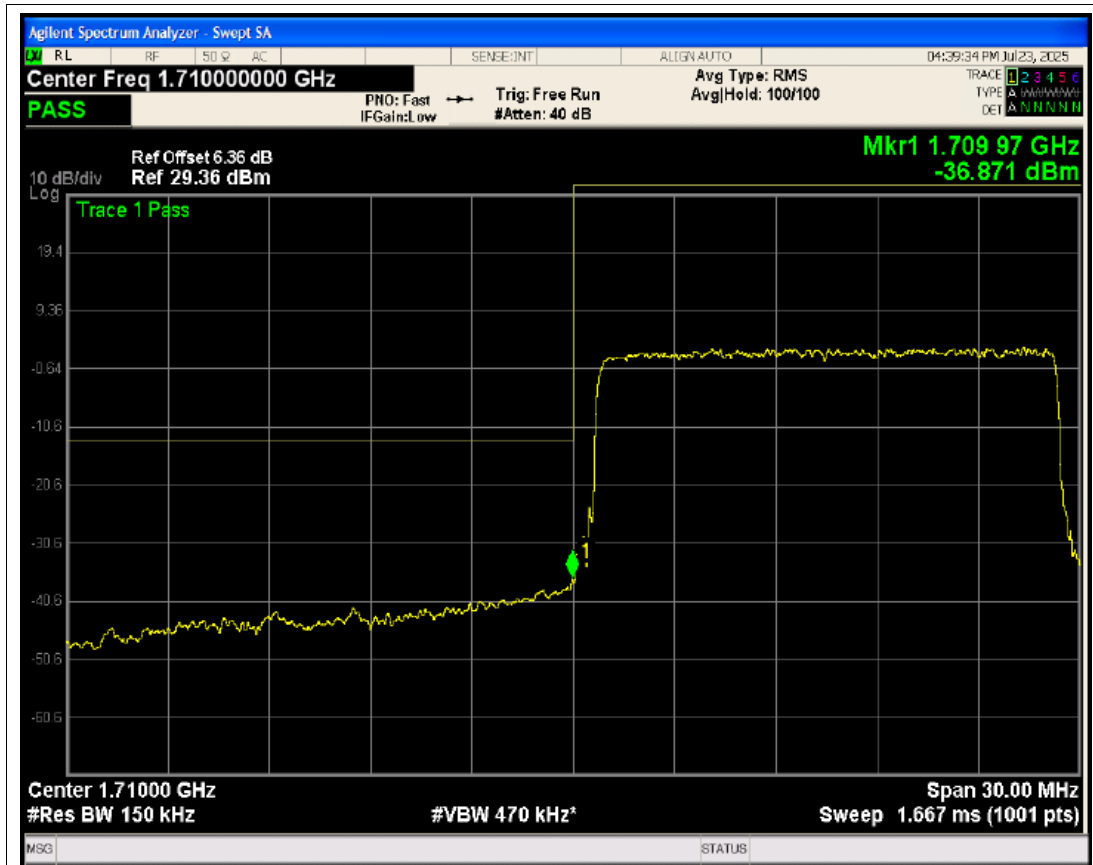
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



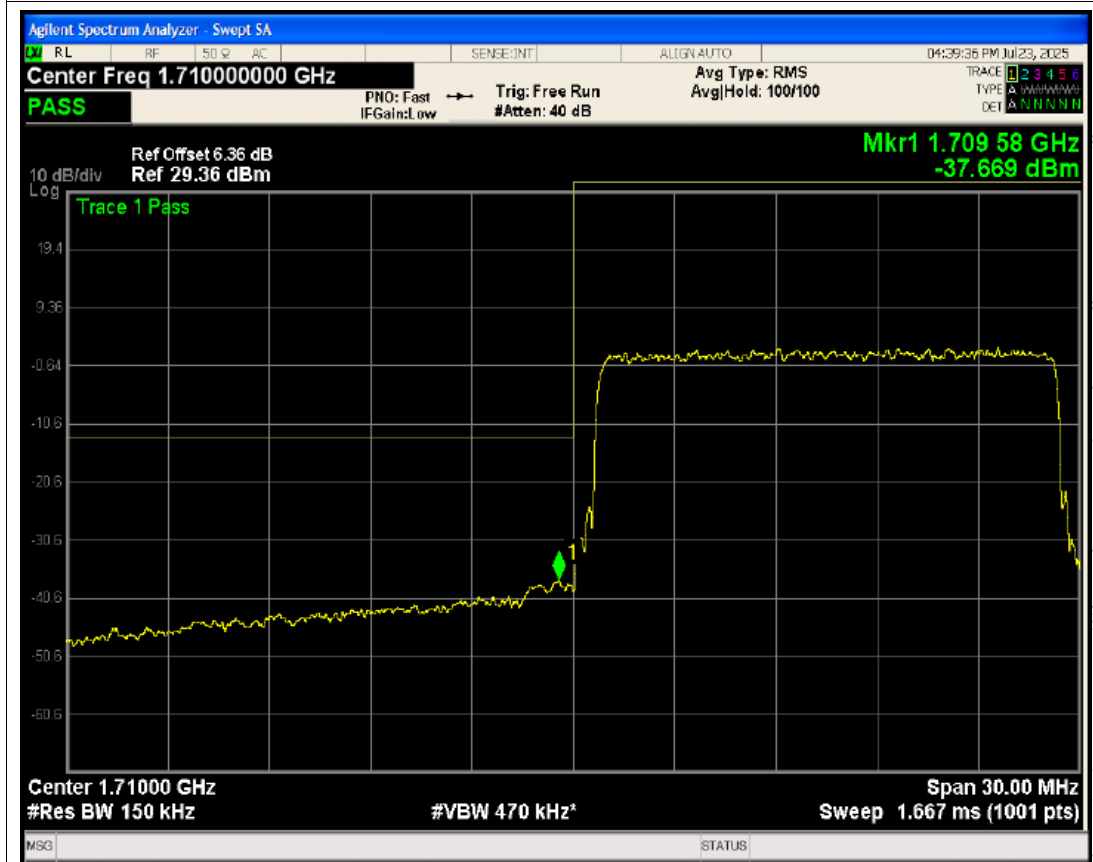
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



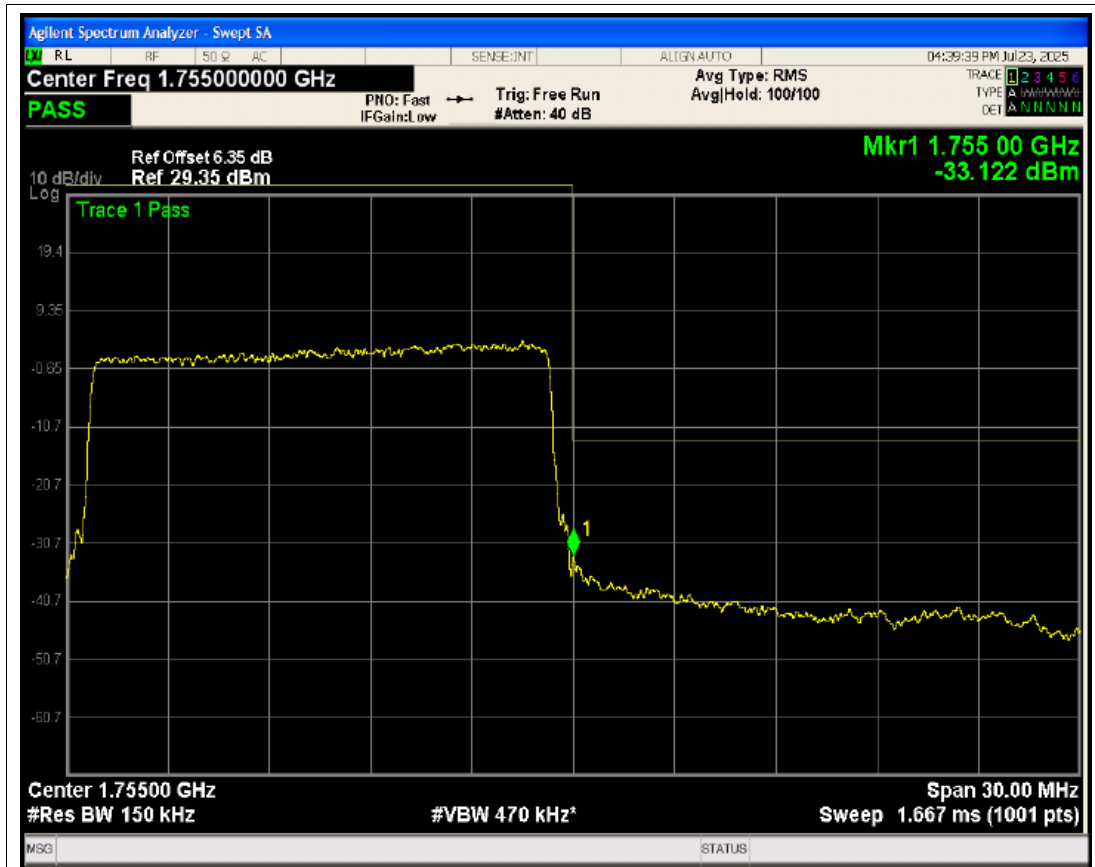
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



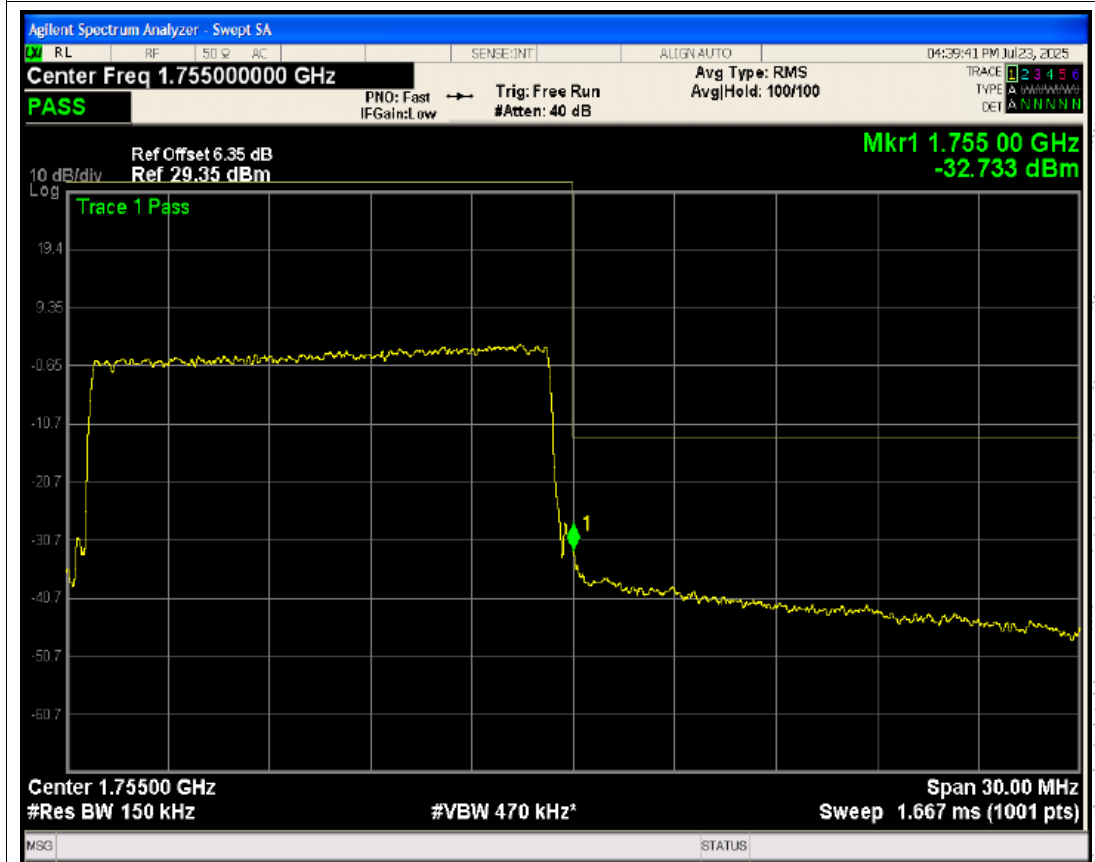
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



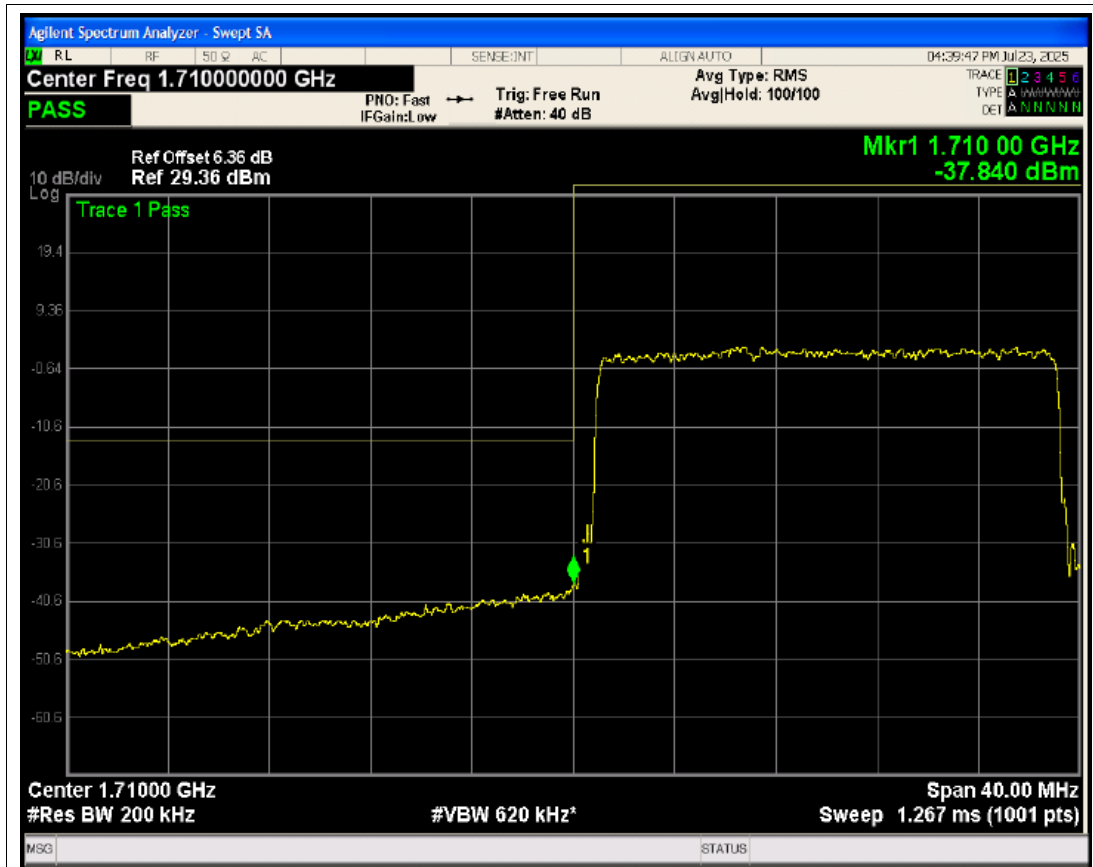
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



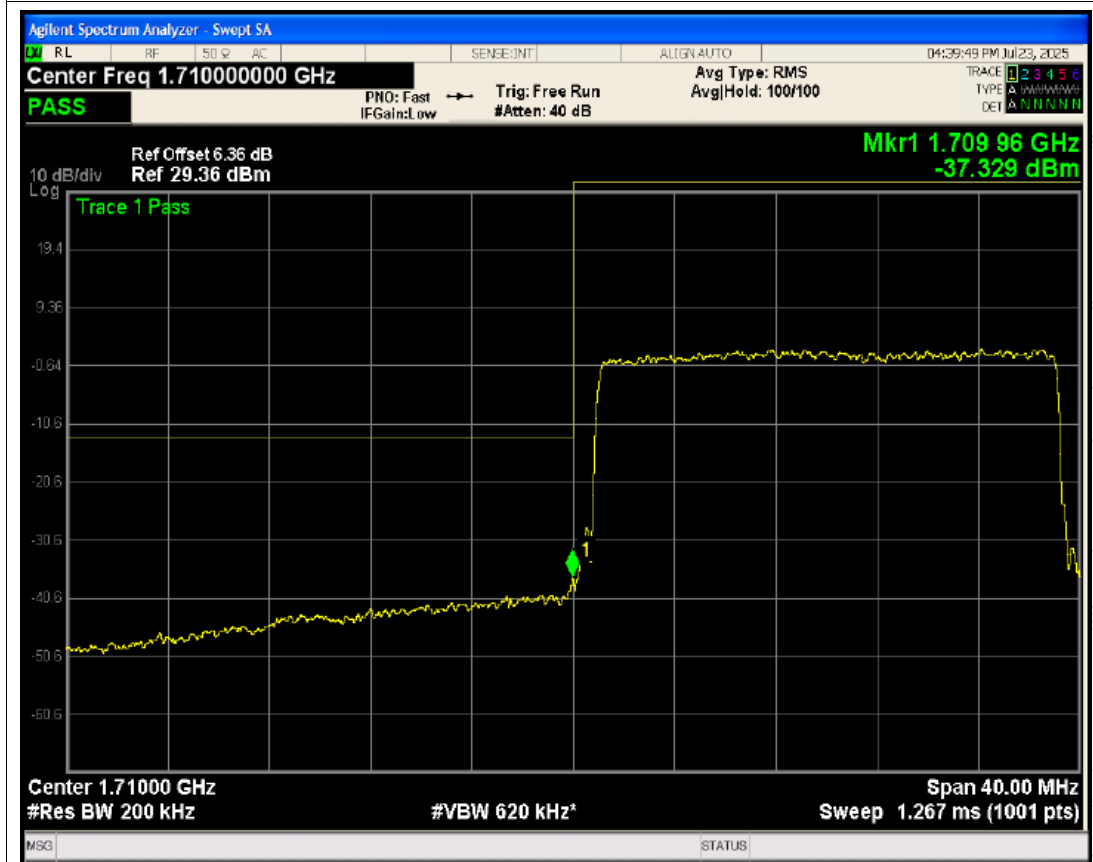
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



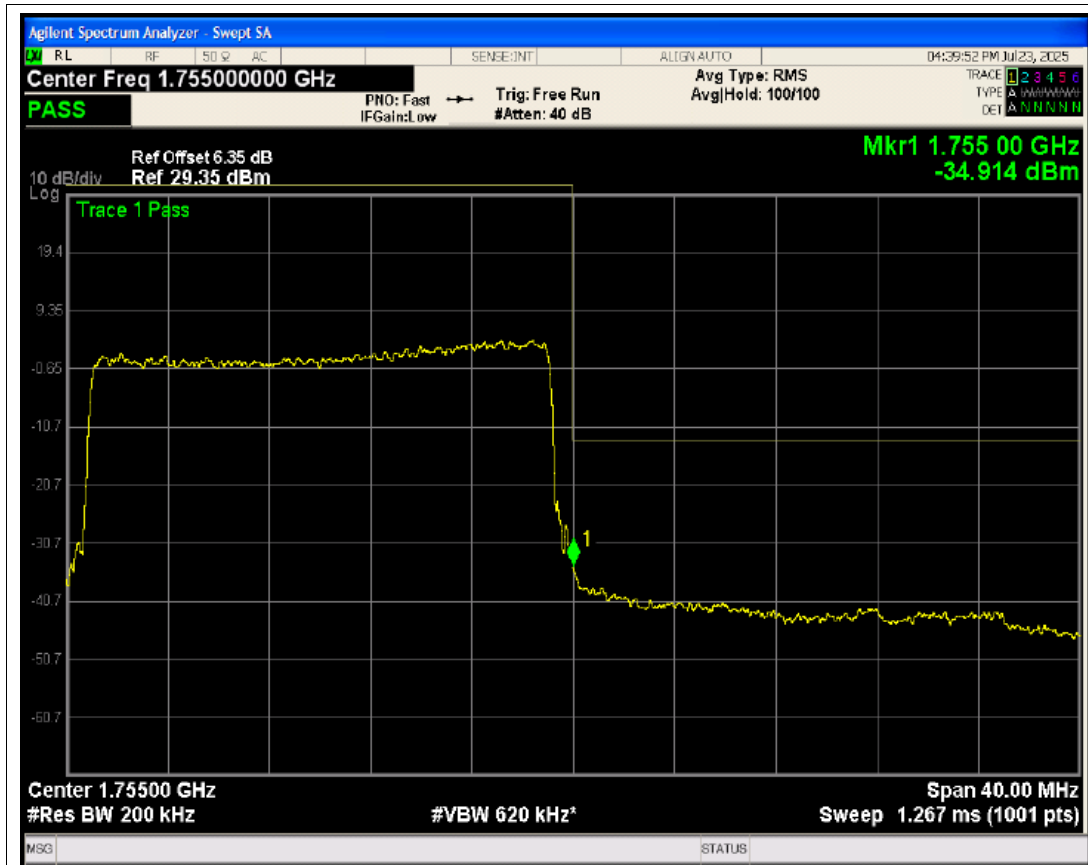
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



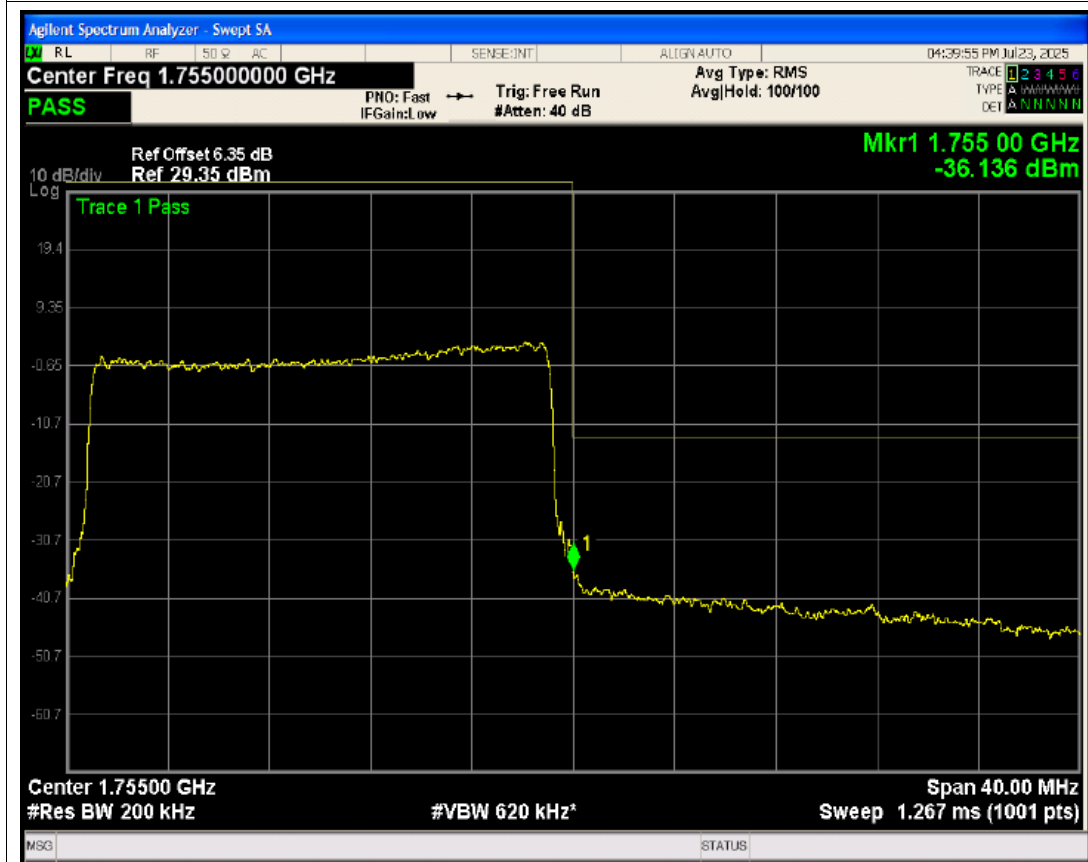
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



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



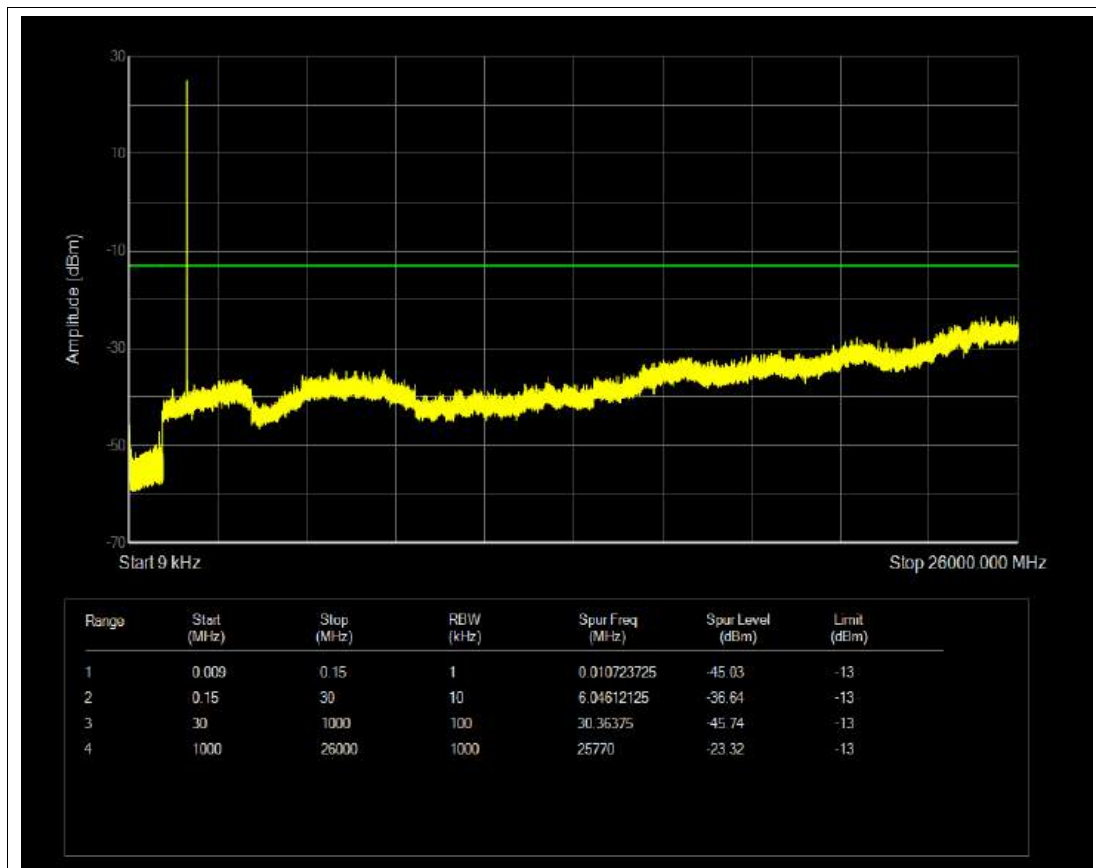
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT



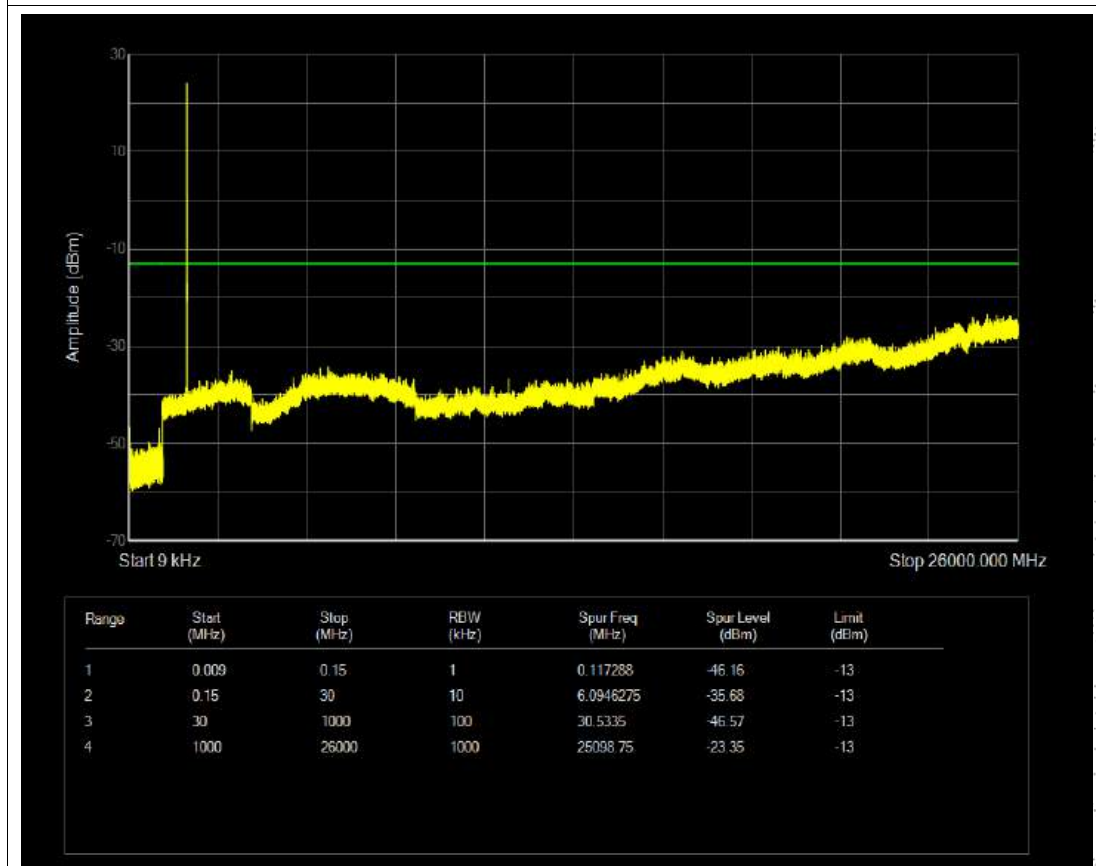
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0 NVNT

Appendix 6. Out-of-band emissions

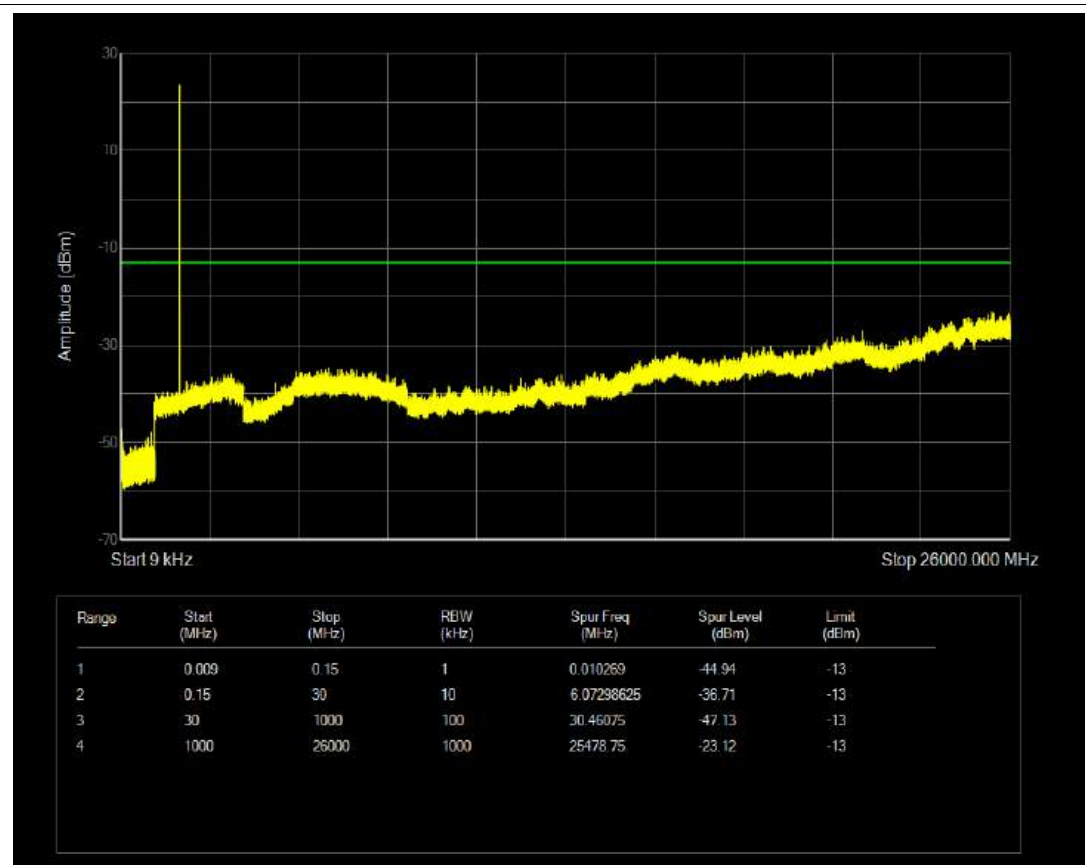
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25770.00	-23.32	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25098.75	-23.35	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25478.75	-23.12	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25598.13	-23.64	-13	PASS
Band4	1.4	20393	6	#0	QPSK	25966.25	-22.88	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25743.13	-23.67	-13	PASS
Band4	3	19965	15	#0	QPSK	24779.38	-23.42	-13	PASS
Band4	3	19965	15	#0	16QAM	25723.13	-23.85	-13	PASS
Band4	3	20175	15	#0	QPSK	25600.00	-23.47	-13	PASS
Band4	3	20175	15	#0	16QAM	25573.75	-23.39	-13	PASS
Band4	3	20385	15	#0	QPSK	25696.88	-23.79	-13	PASS
Band4	3	20385	15	#0	16QAM	25783.13	-23.62	-13	PASS
Band4	5	19975	25	#0	QPSK	25996.88	-23.42	-13	PASS
Band4	5	19975	25	#0	16QAM	25966.25	-23.65	-13	PASS
Band4	5	20175	25	#0	QPSK	25850.00	-23.22	-13	PASS
Band4	5	20175	25	#0	16QAM	25843.13	-23.19	-13	PASS
Band4	5	20375	25	#0	QPSK	24668.13	-23.14	-13	PASS
Band4	5	20375	25	#0	16QAM	24773.13	-23.63	-13	PASS
Band4	10	20000	50	#0	QPSK	25683.13	-23.69	-13	PASS
Band4	10	20000	50	#0	16QAM	25556.88	-23.75	-13	PASS
Band4	10	20175	50	#0	QPSK	25320.00	-23.52	-13	PASS
Band4	10	20175	50	#0	16QAM	25638.75	-23.26	-13	PASS
Band4	10	20350	50	#0	QPSK	25090.63	-23.12	-13	PASS
Band4	10	20350	50	#0	16QAM	25785.00	-23.77	-13	PASS
Band4	15	20025	75	#0	QPSK	24683.75	-23.63	-13	PASS
Band4	15	20025	75	#0	16QAM	25563.13	-23.67	-13	PASS
Band4	15	20175	75	#0	QPSK	25832.50	-23.90	-13	PASS
Band4	15	20175	75	#0	16QAM	25026.25	-23.11	-13	PASS
Band4	15	20325	75	#0	QPSK	25120.00	-23.88	-13	PASS
Band4	15	20325	75	#0	16QAM	25771.88	-23.12	-13	PASS
Band4	20	20050	100	#0	QPSK	25825.00	-23.14	-13	PASS
Band4	20	20050	100	#0	16QAM	25080.63	-23.48	-13	PASS
Band4	20	20175	100	#0	QPSK	25665.00	-23.44	-13	PASS
Band4	20	20175	100	#0	16QAM	25961.25	-23.35	-13	PASS
Band4	20	20300	100	#0	QPSK	25493.13	-23.37	-13	PASS
Band4	20	20300	100	#0	16QAM	24676.88	-22.94	-13	PASS



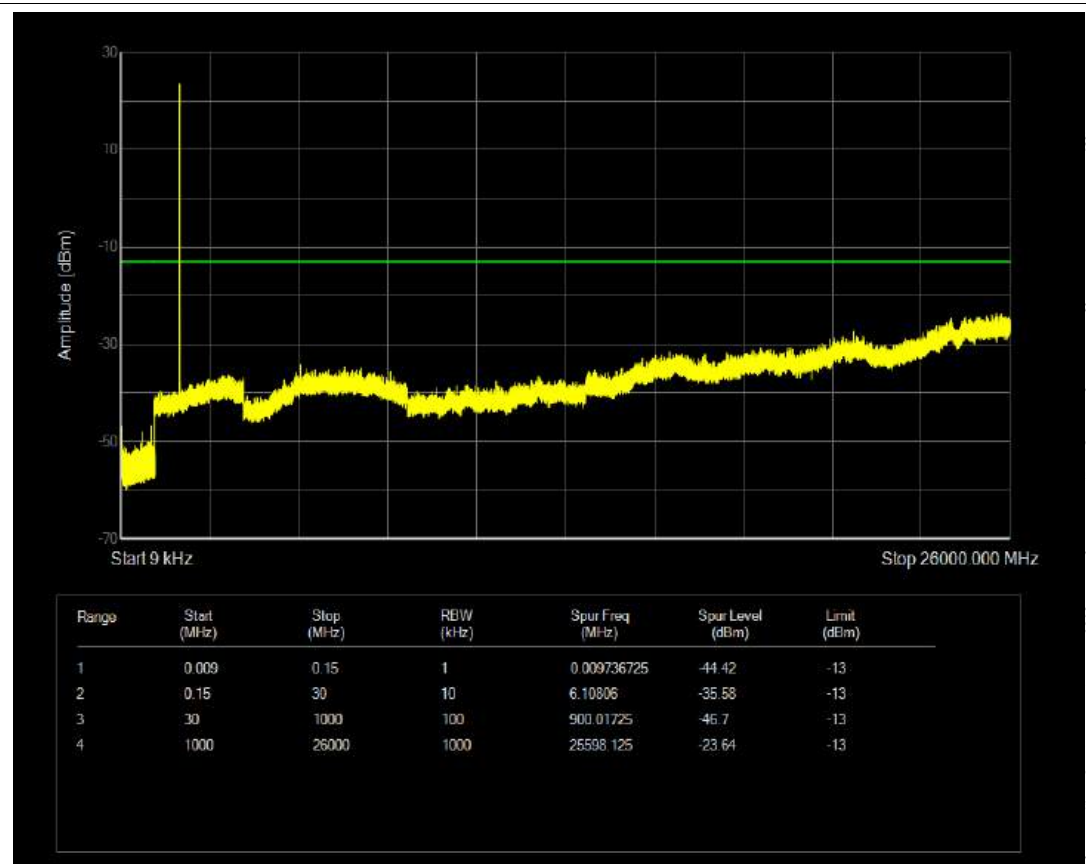
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0 NVNT



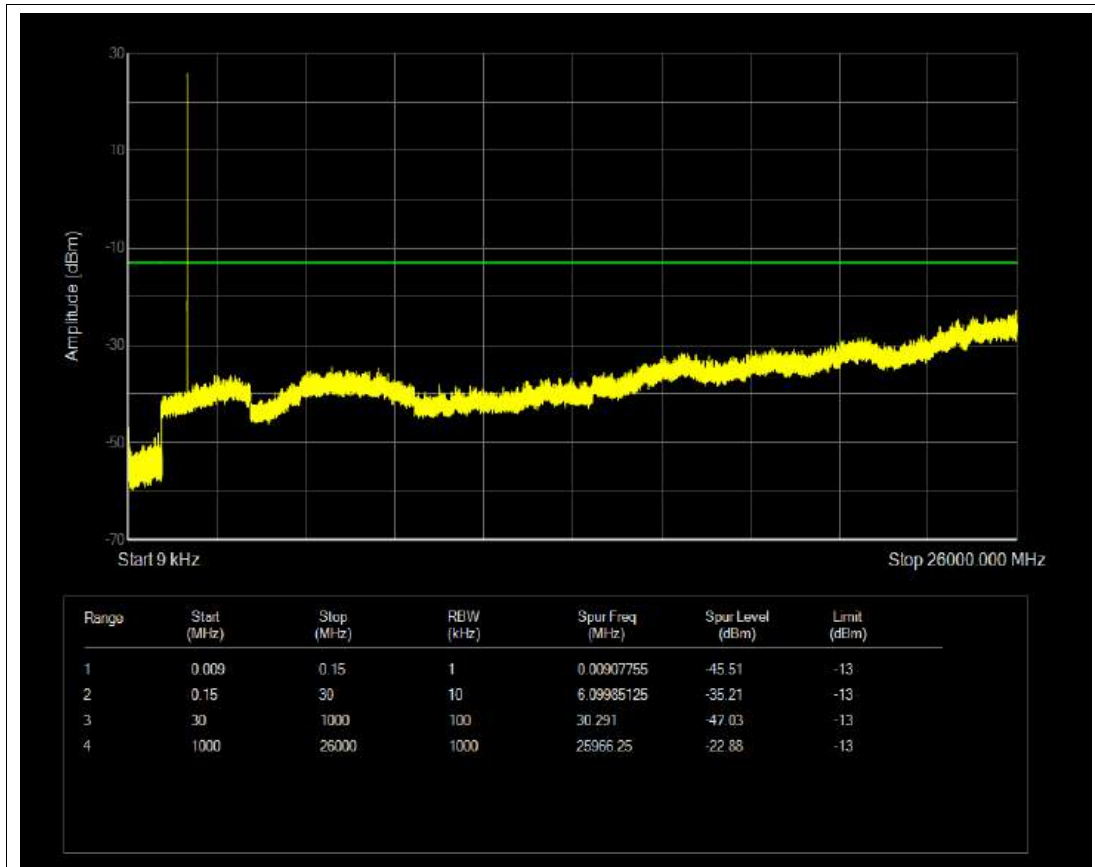
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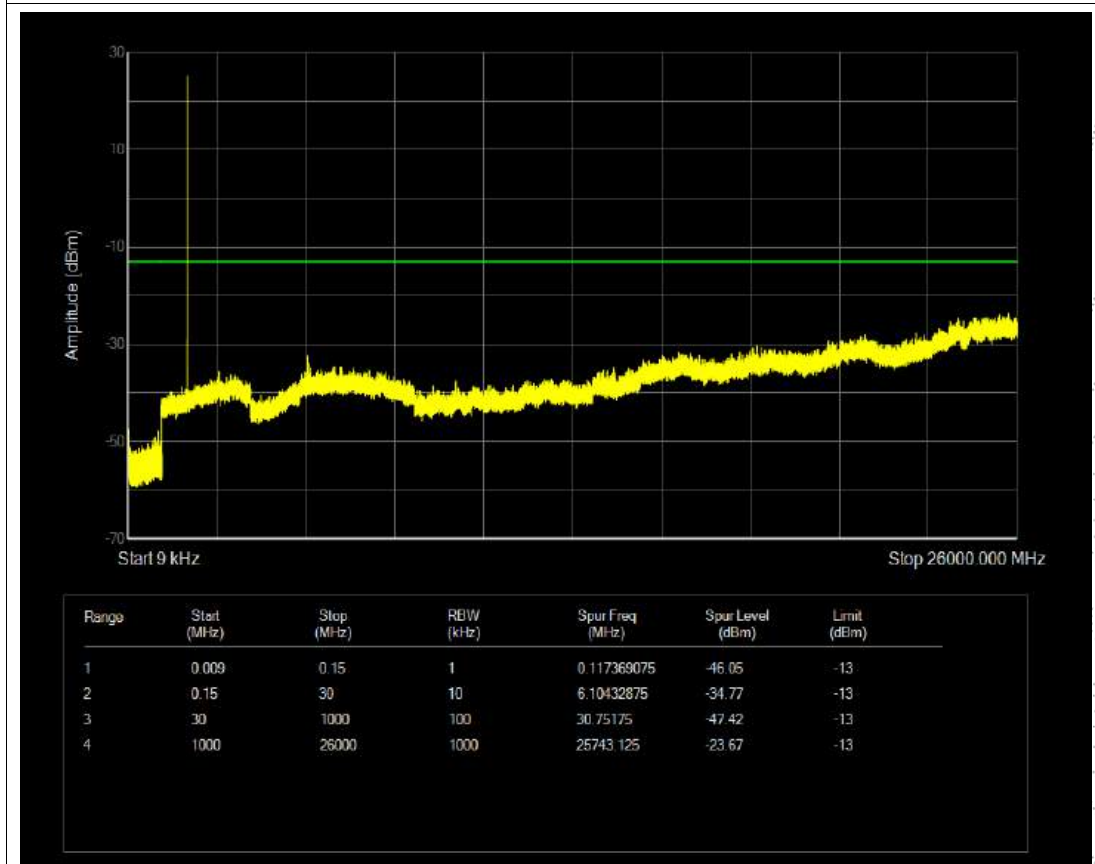
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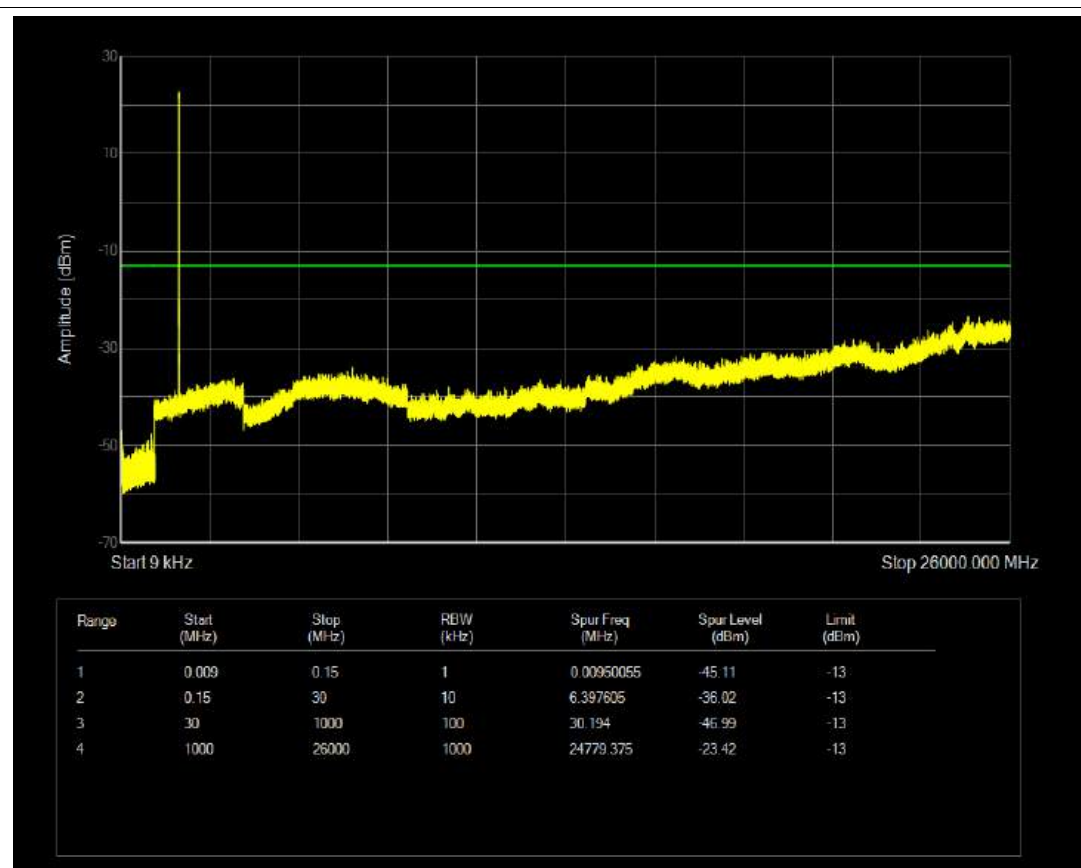
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0 NVNT



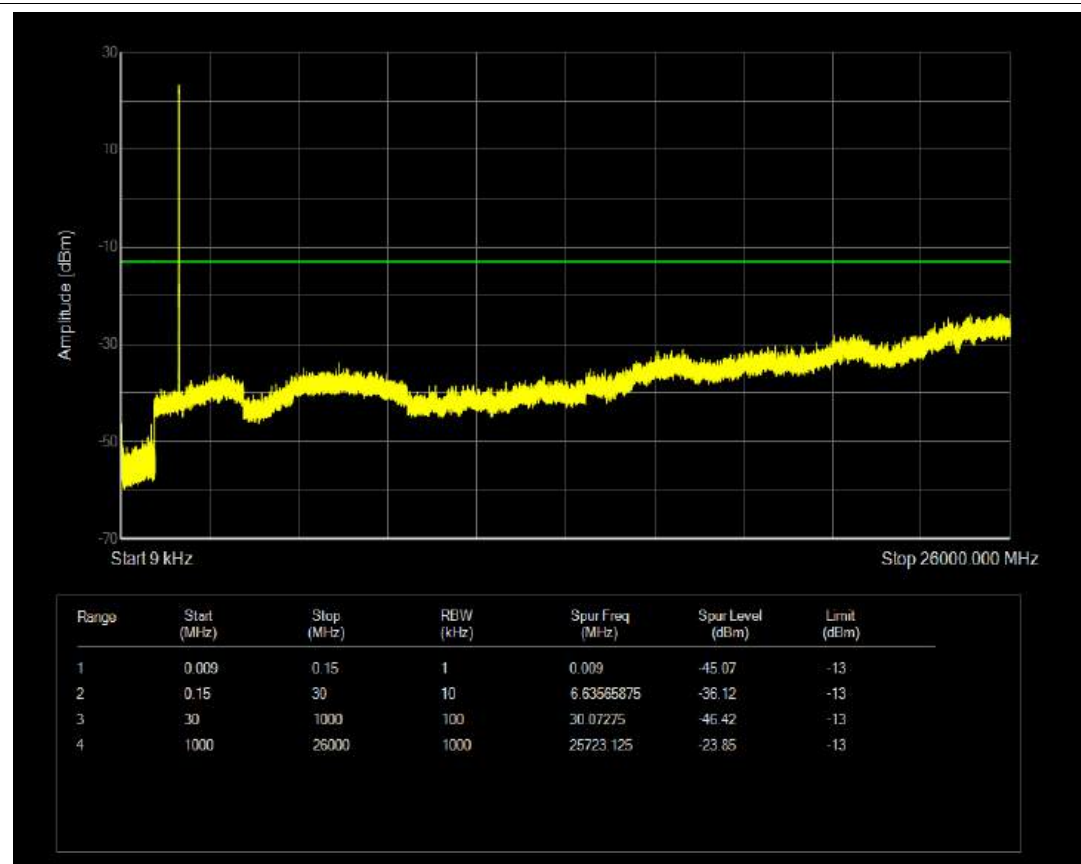
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0 NVNT



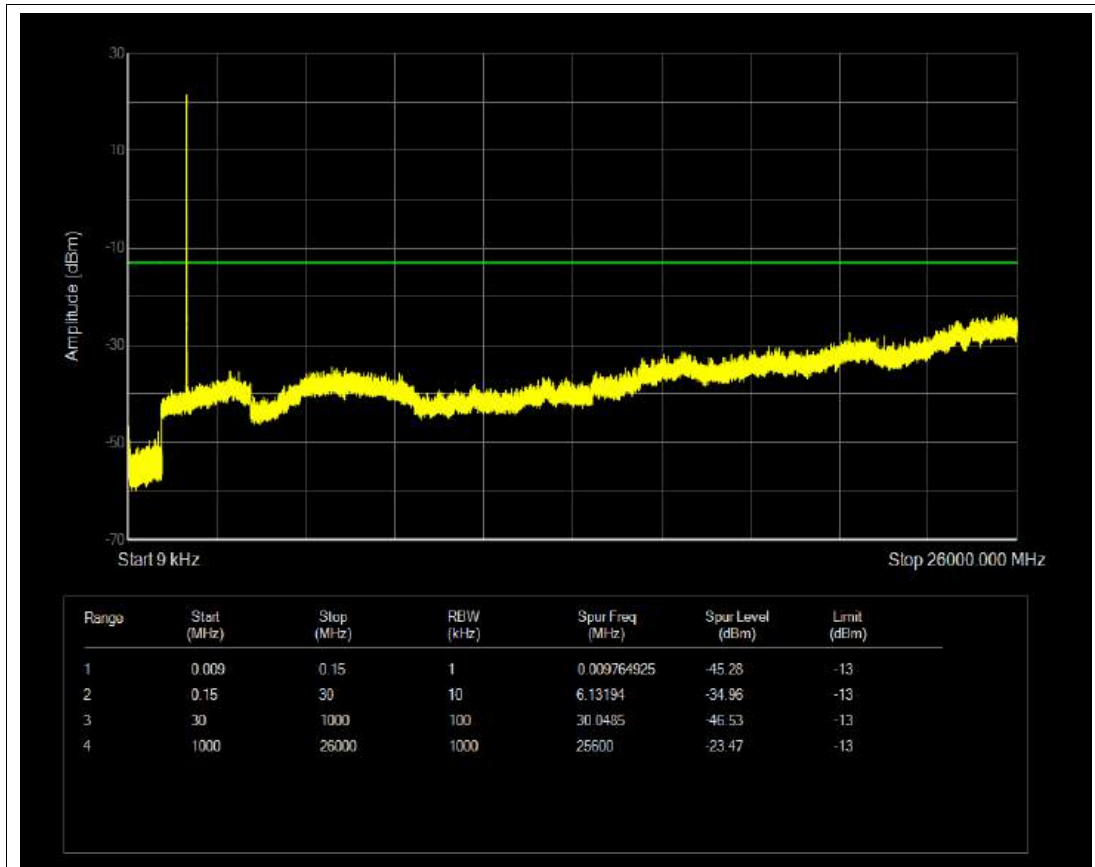
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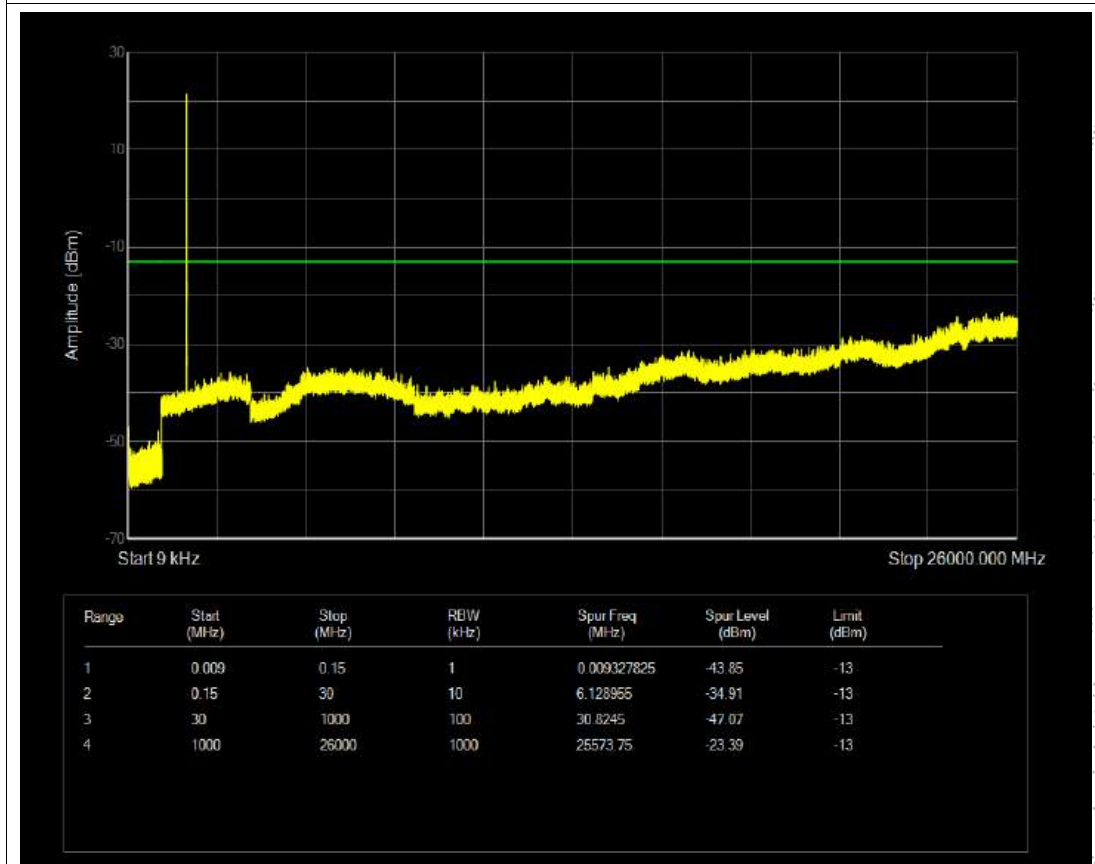
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



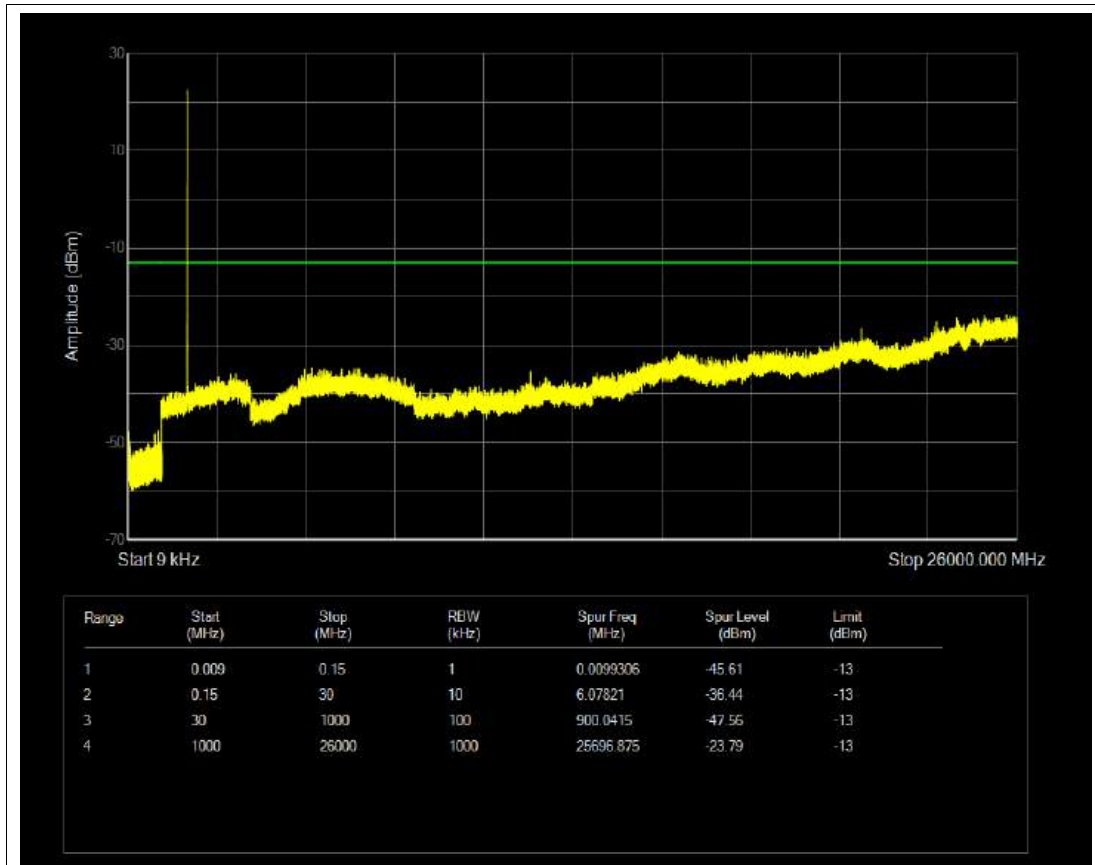
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0 NVNT



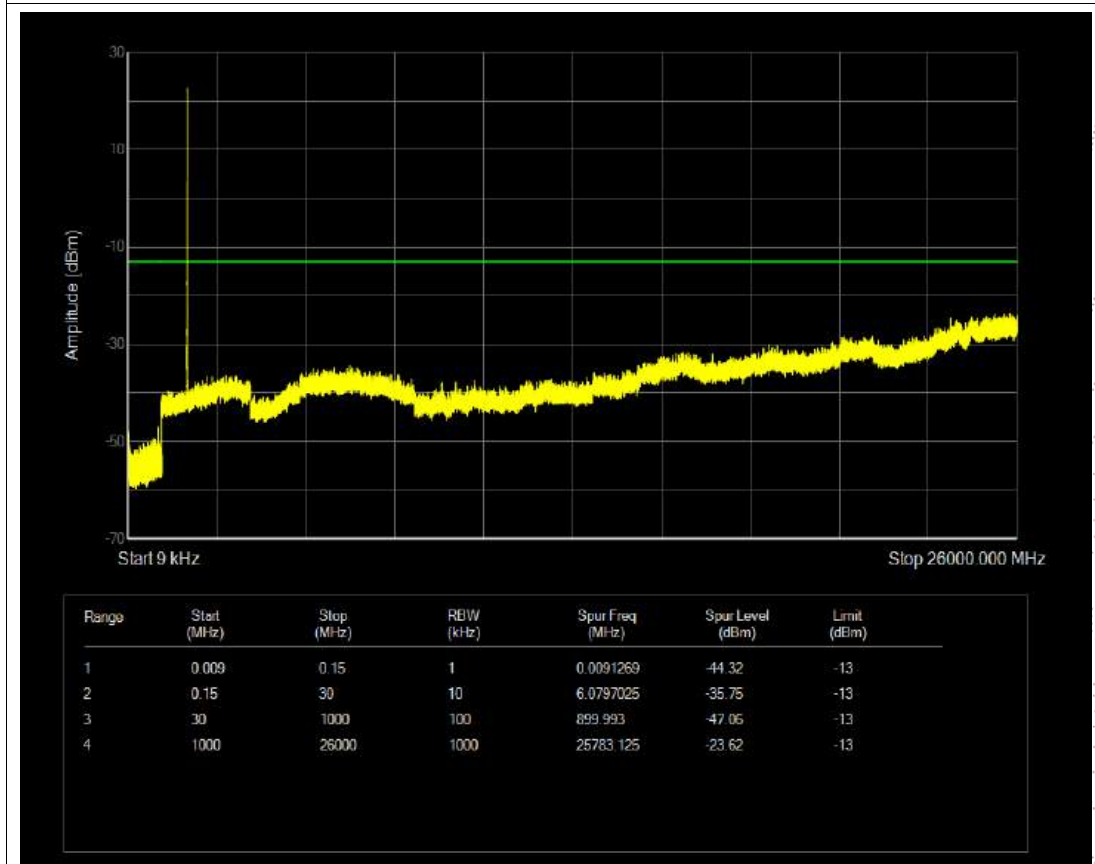
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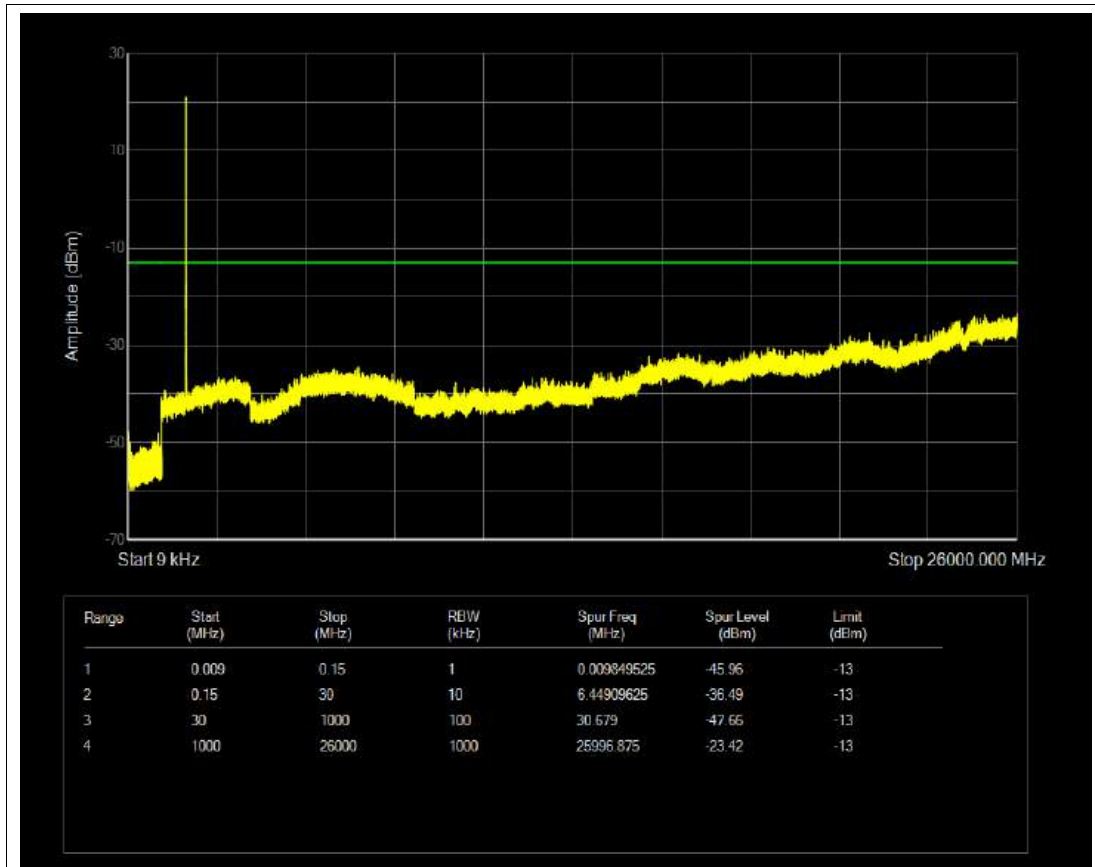
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0 NVNT



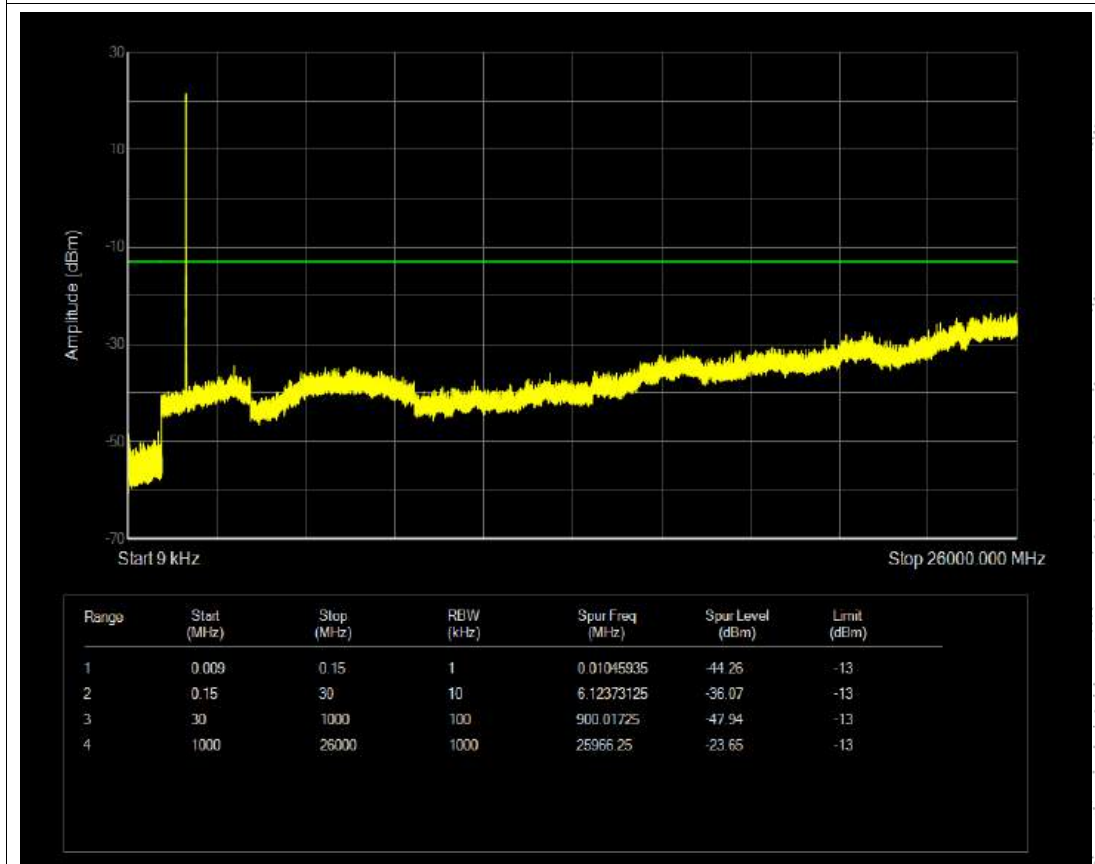
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0 NVNT



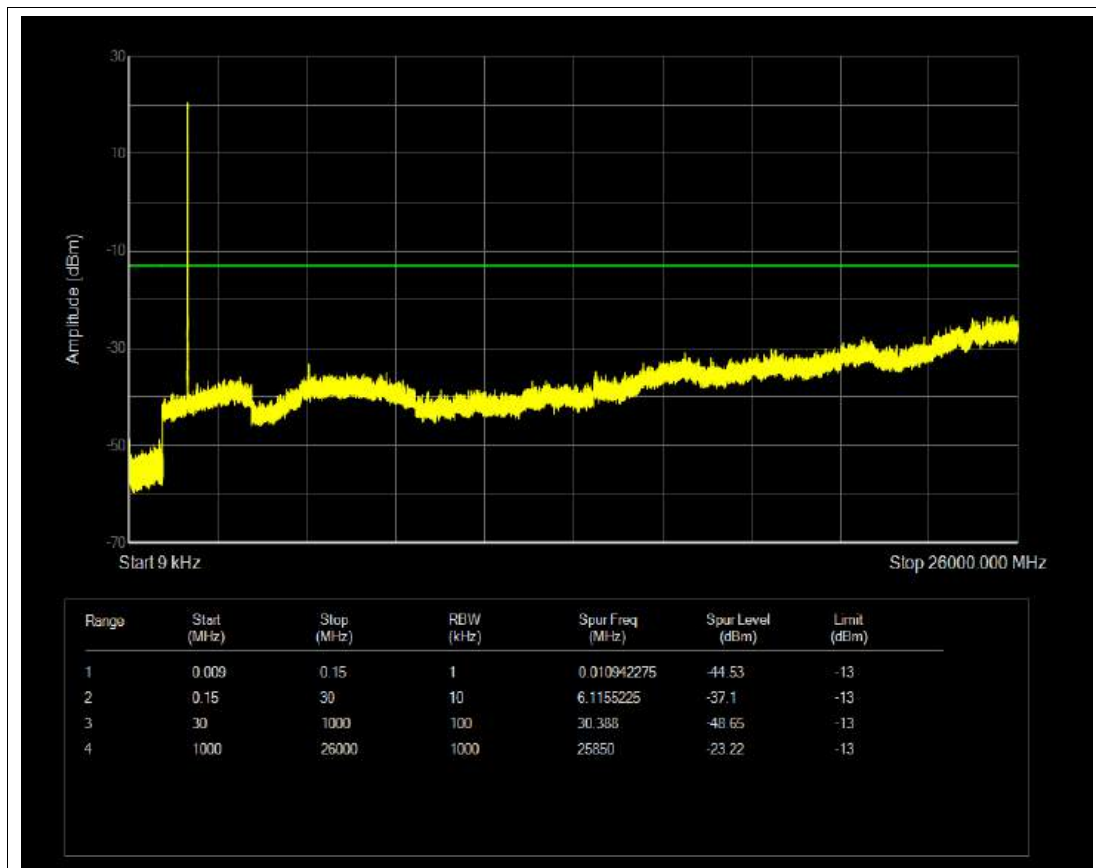
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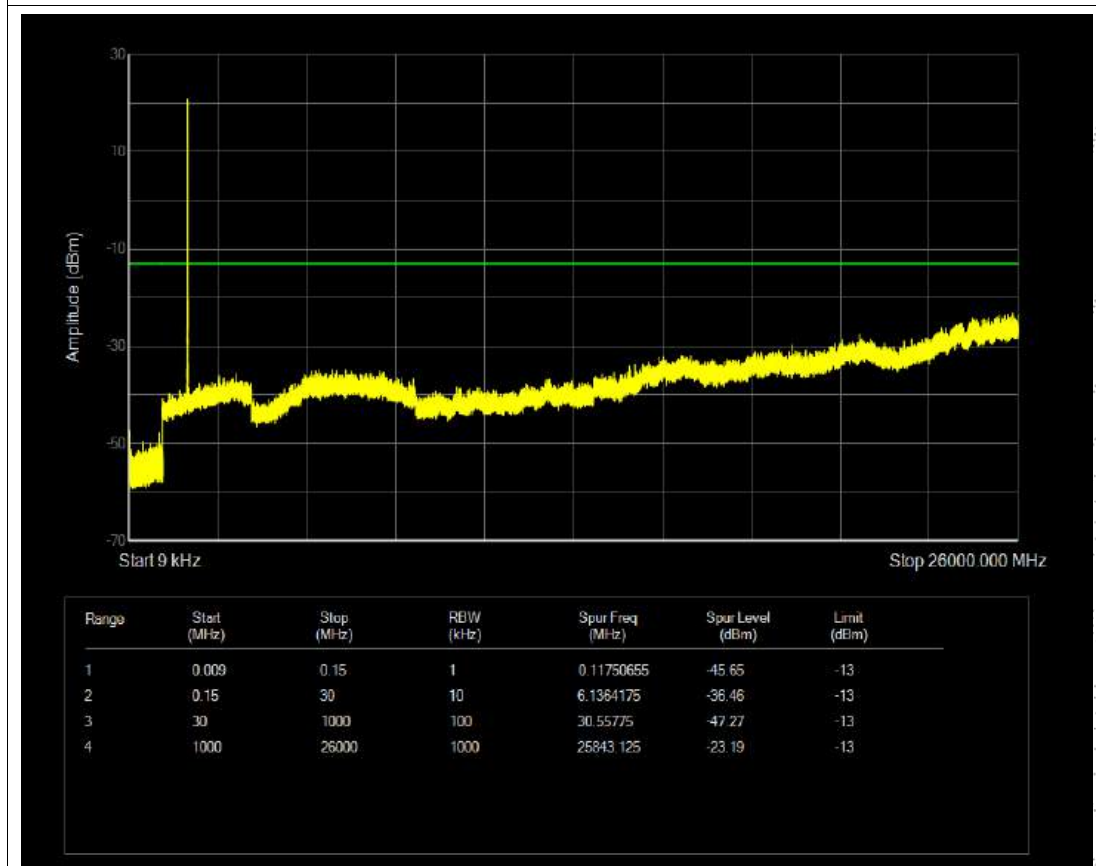
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



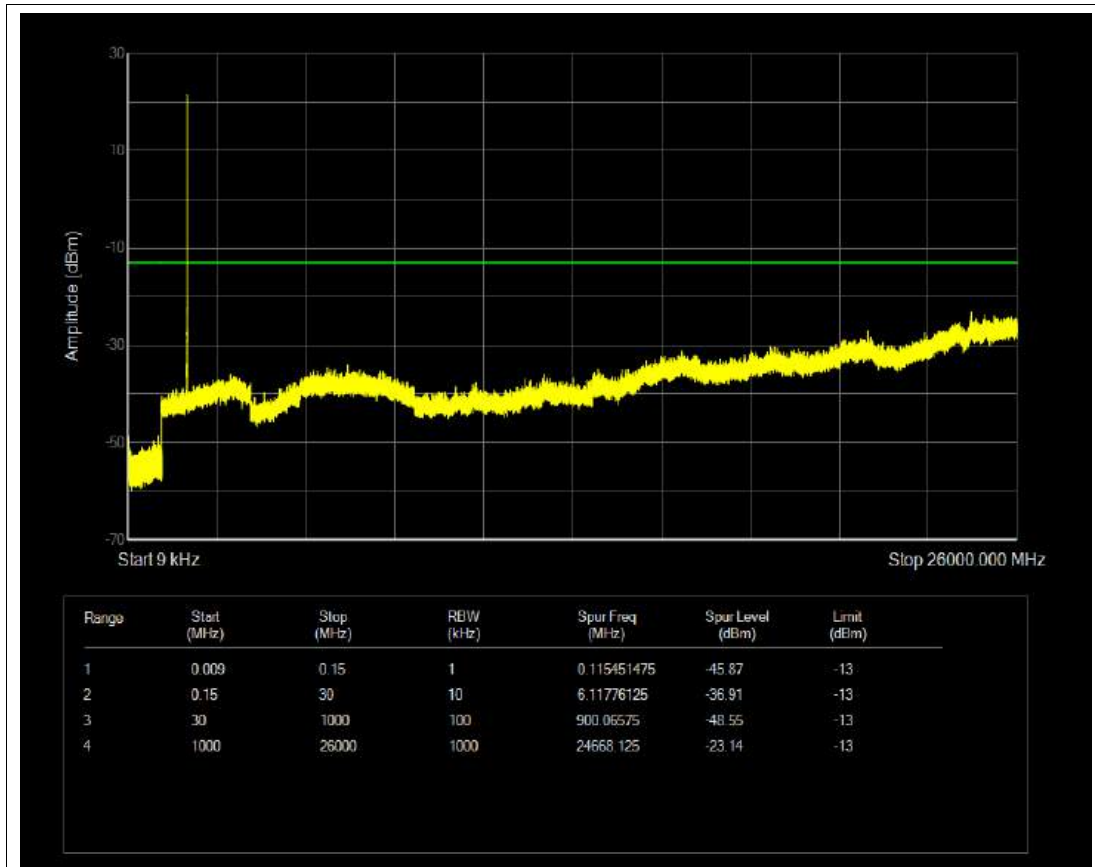
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0 NVNT



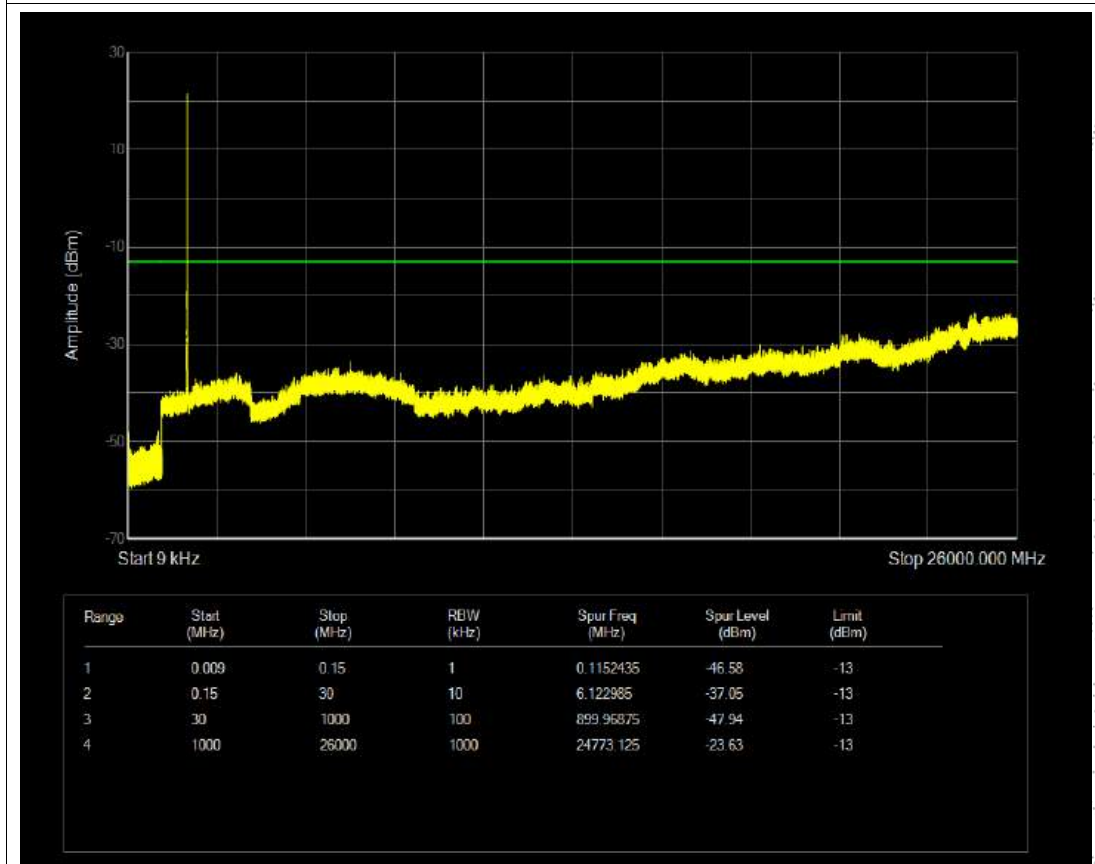
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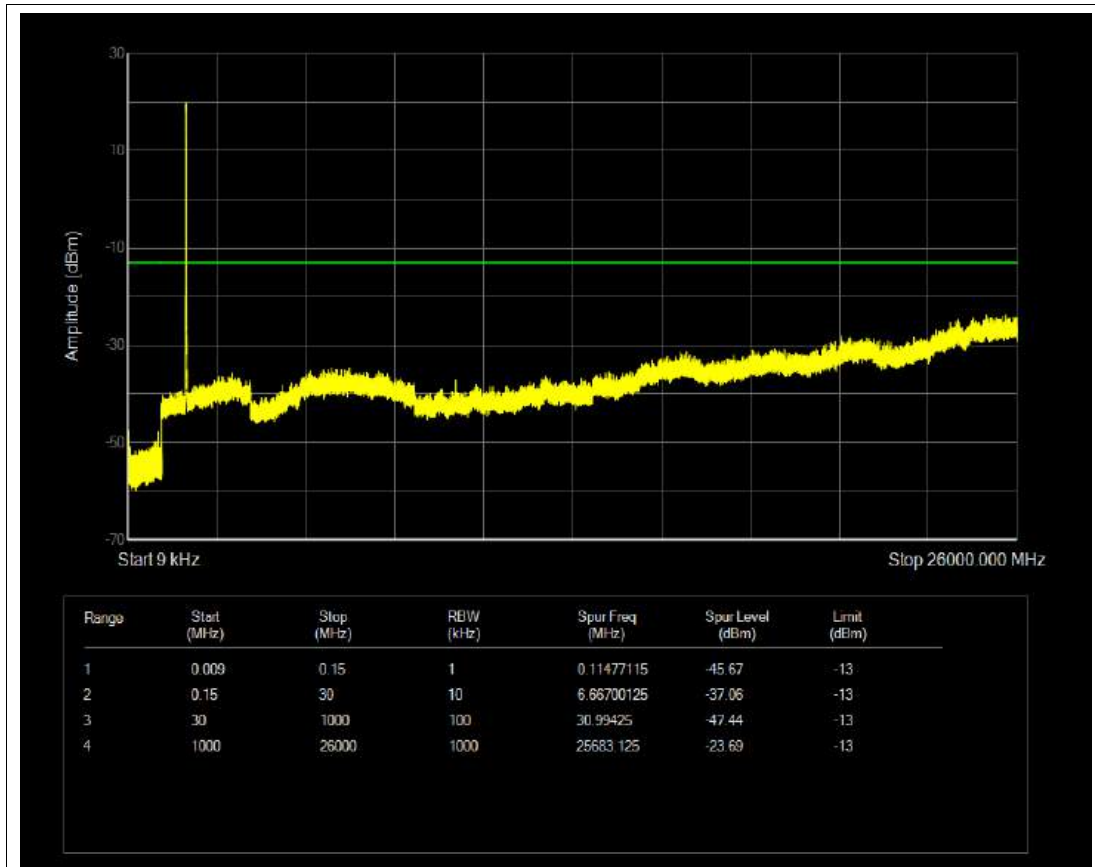
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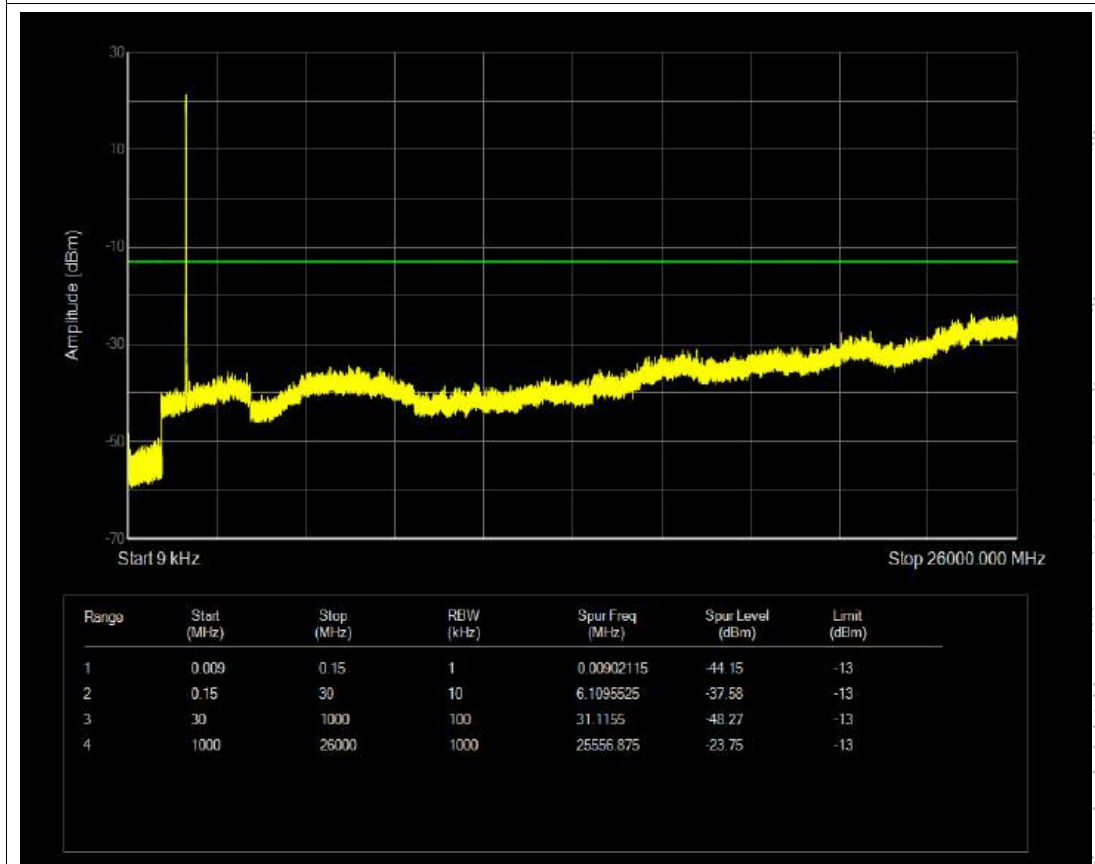
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



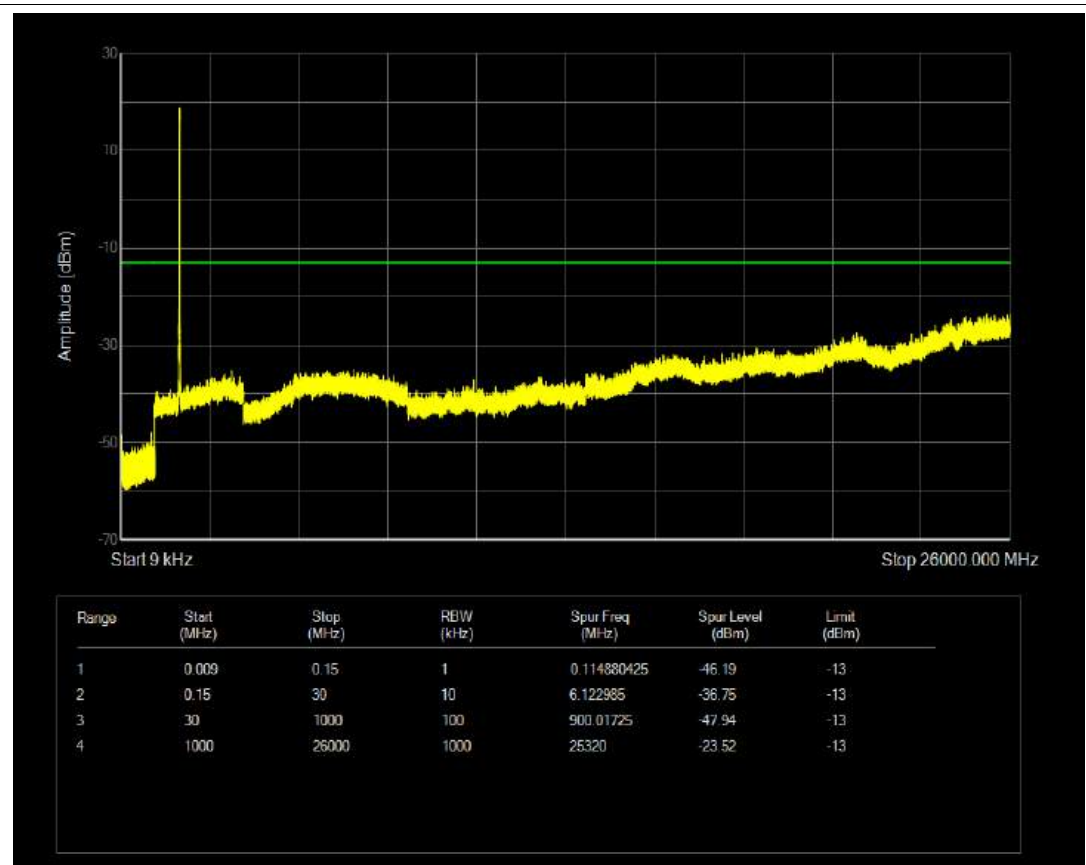
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0 NVNT



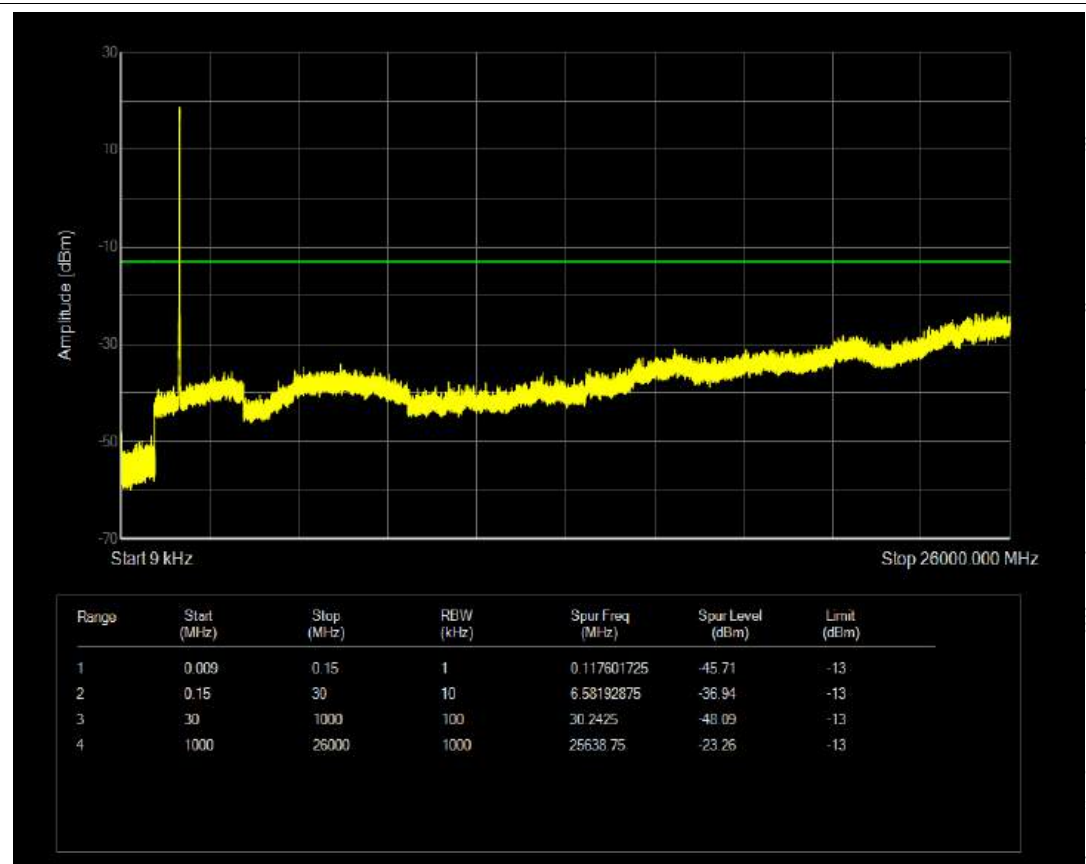
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0 NVNT



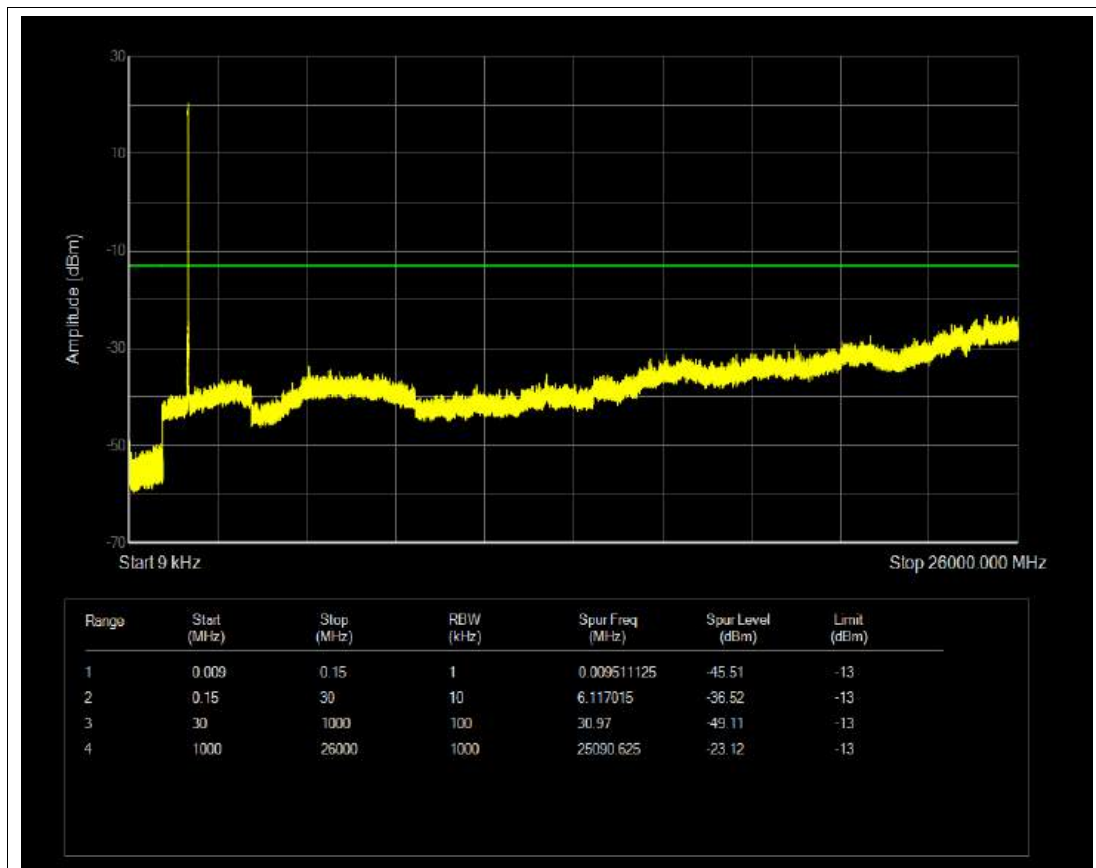
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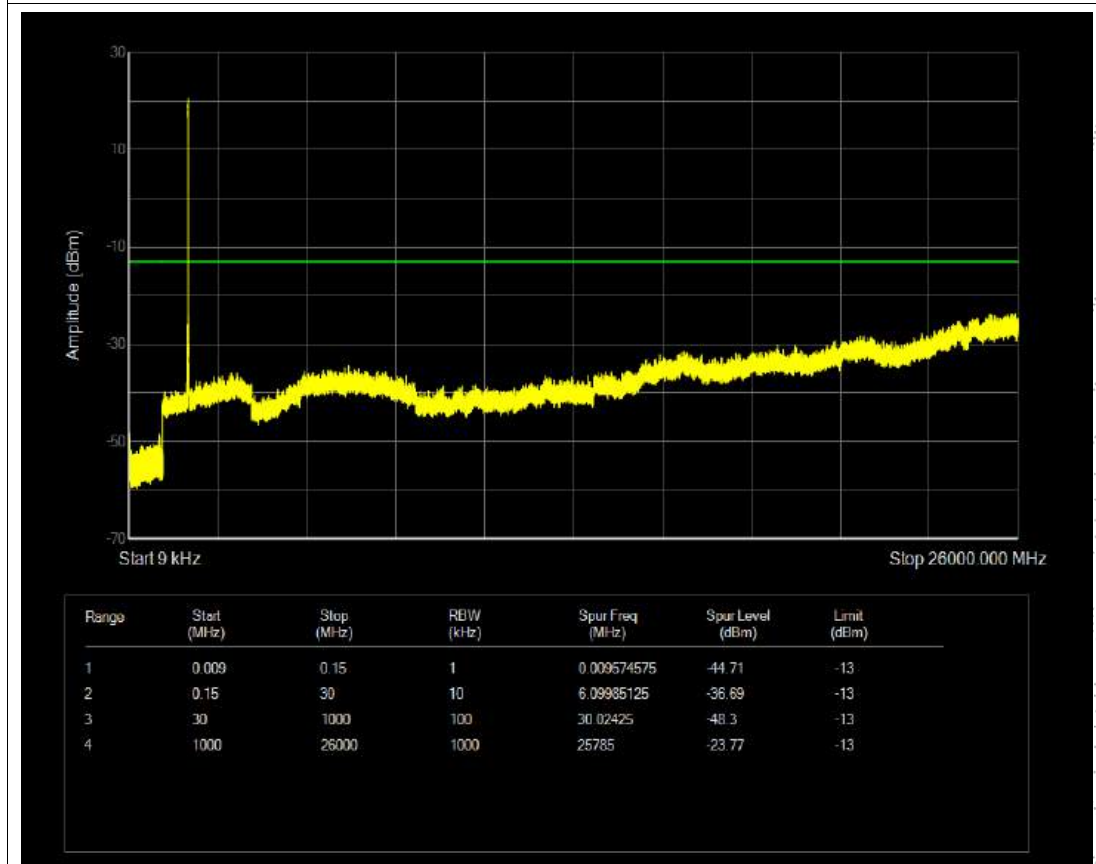
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



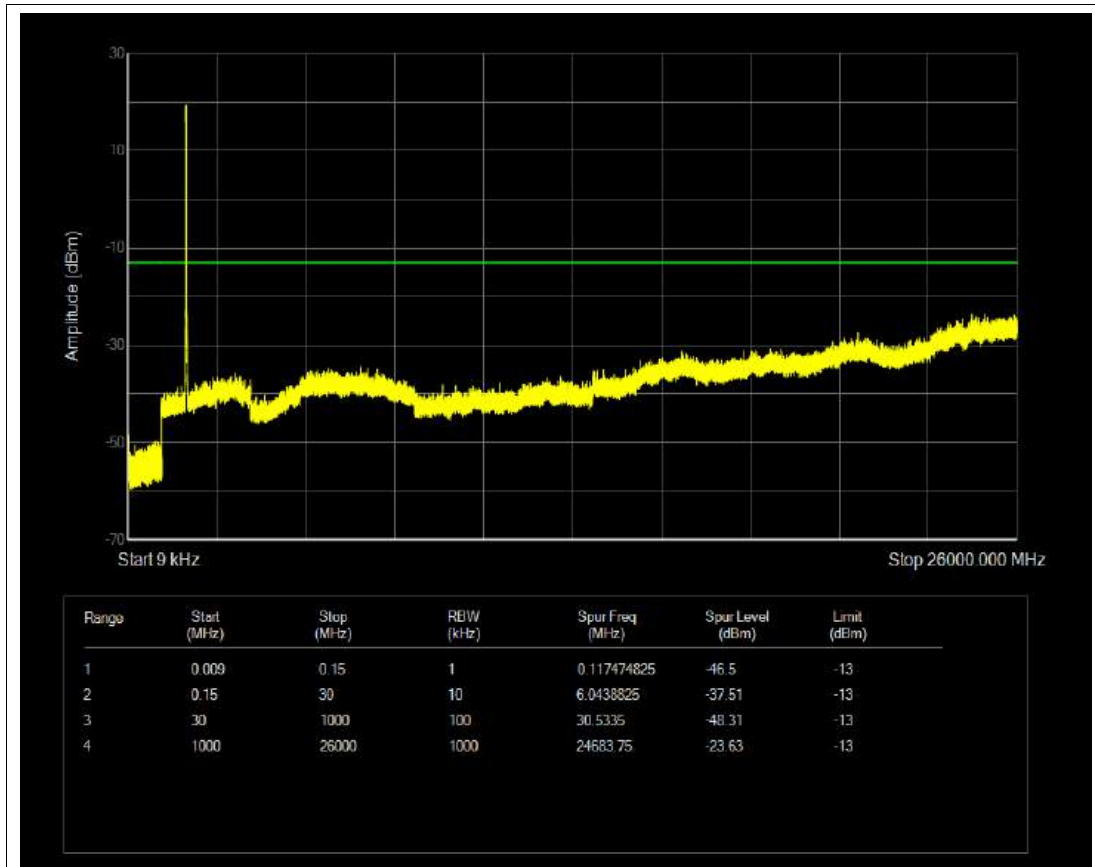
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0 NVNT



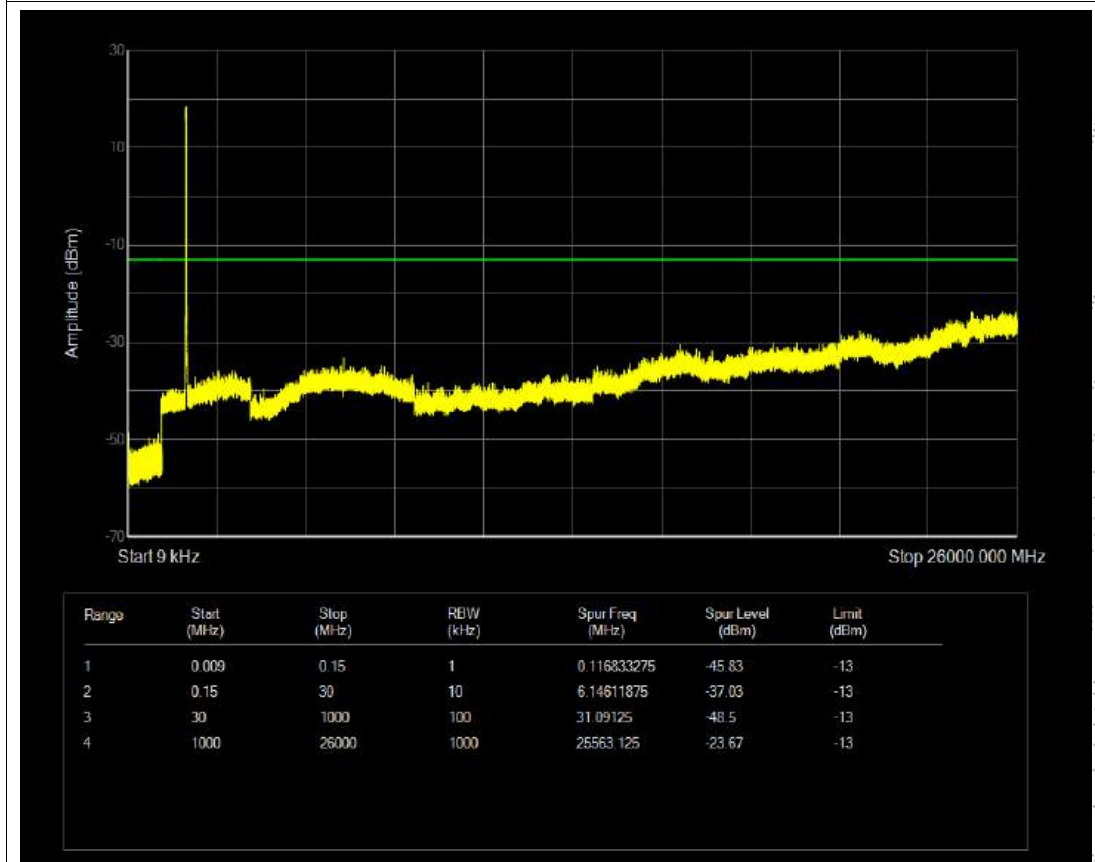
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0 NVNT



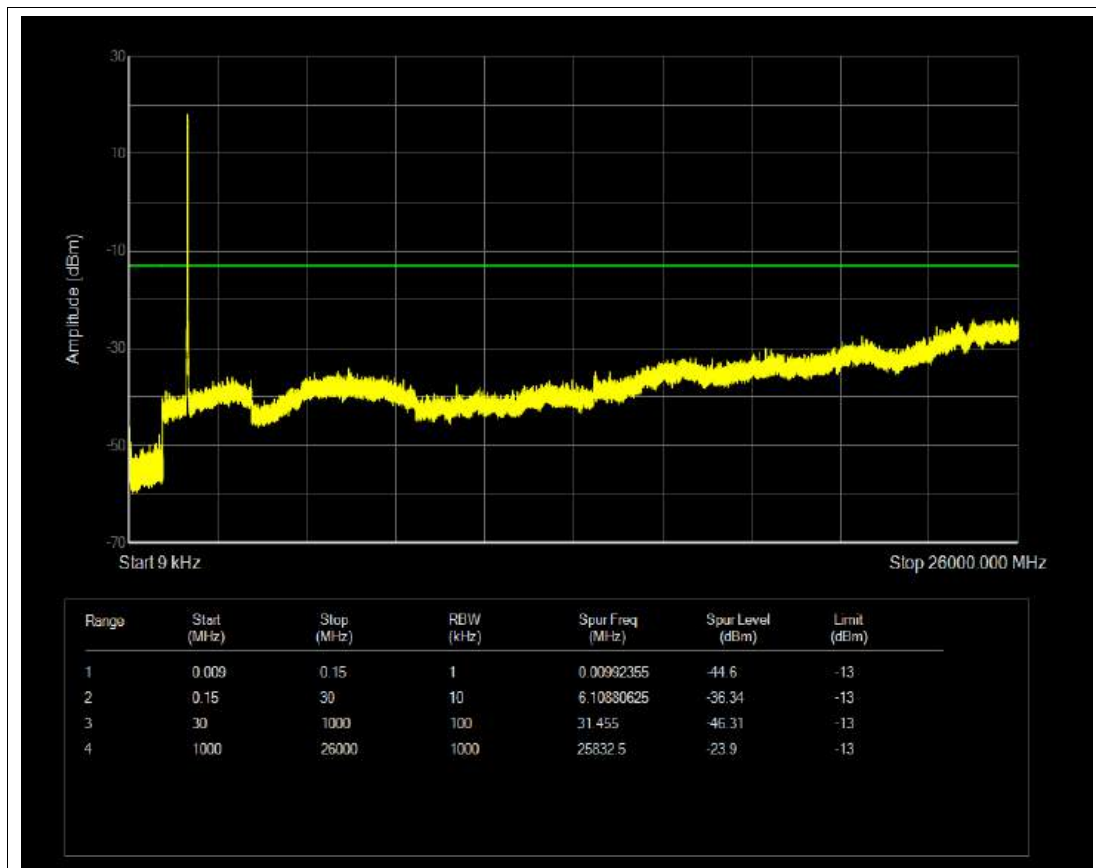
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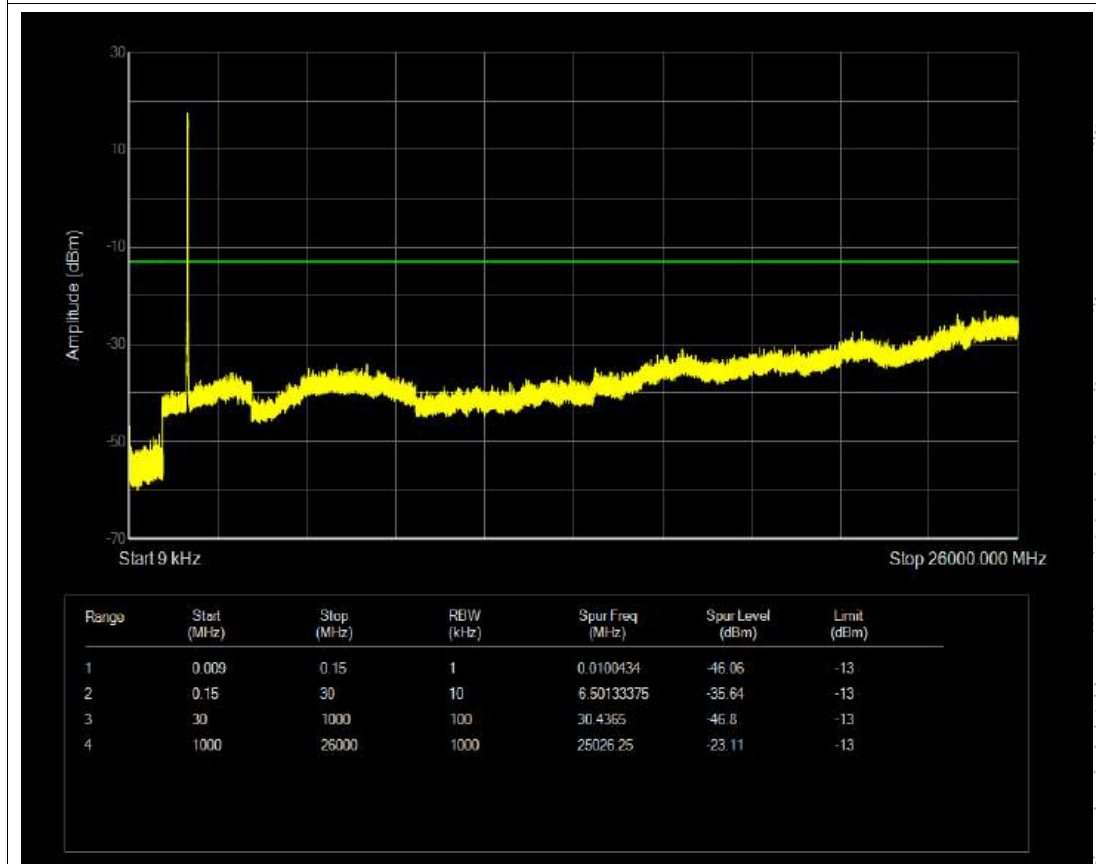
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



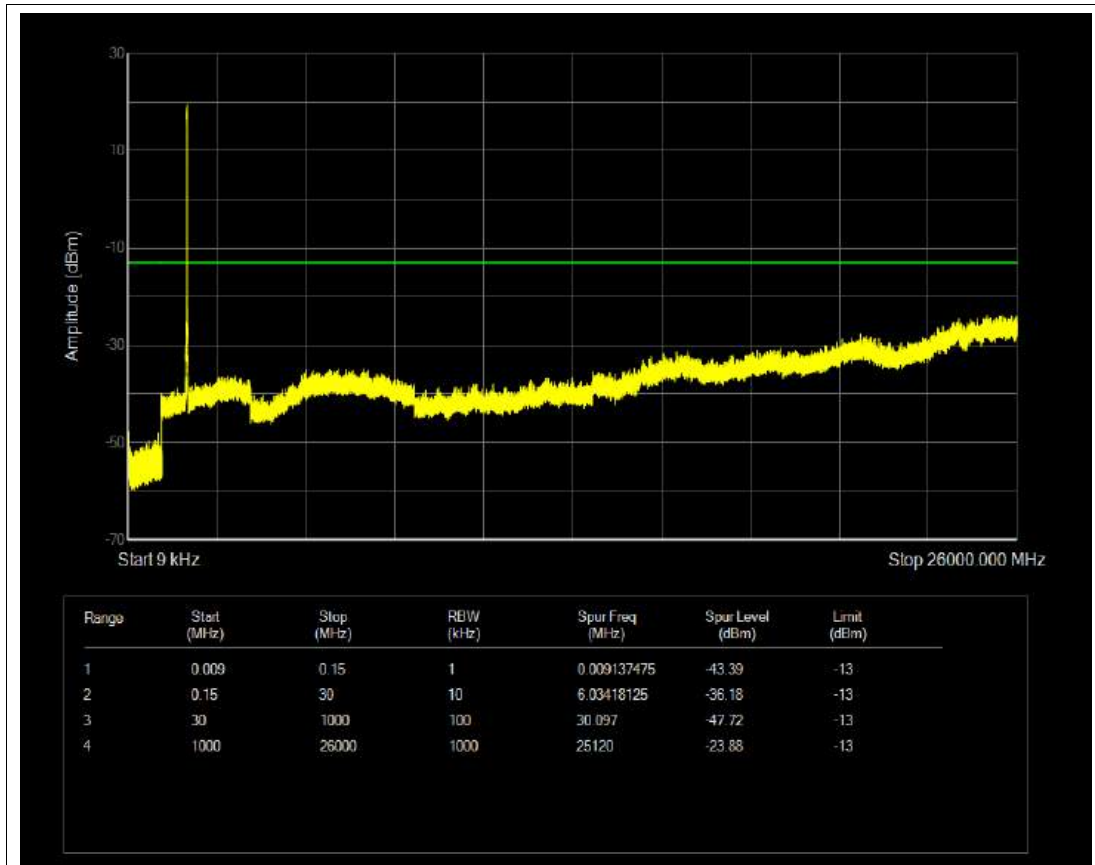
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0 NVNT



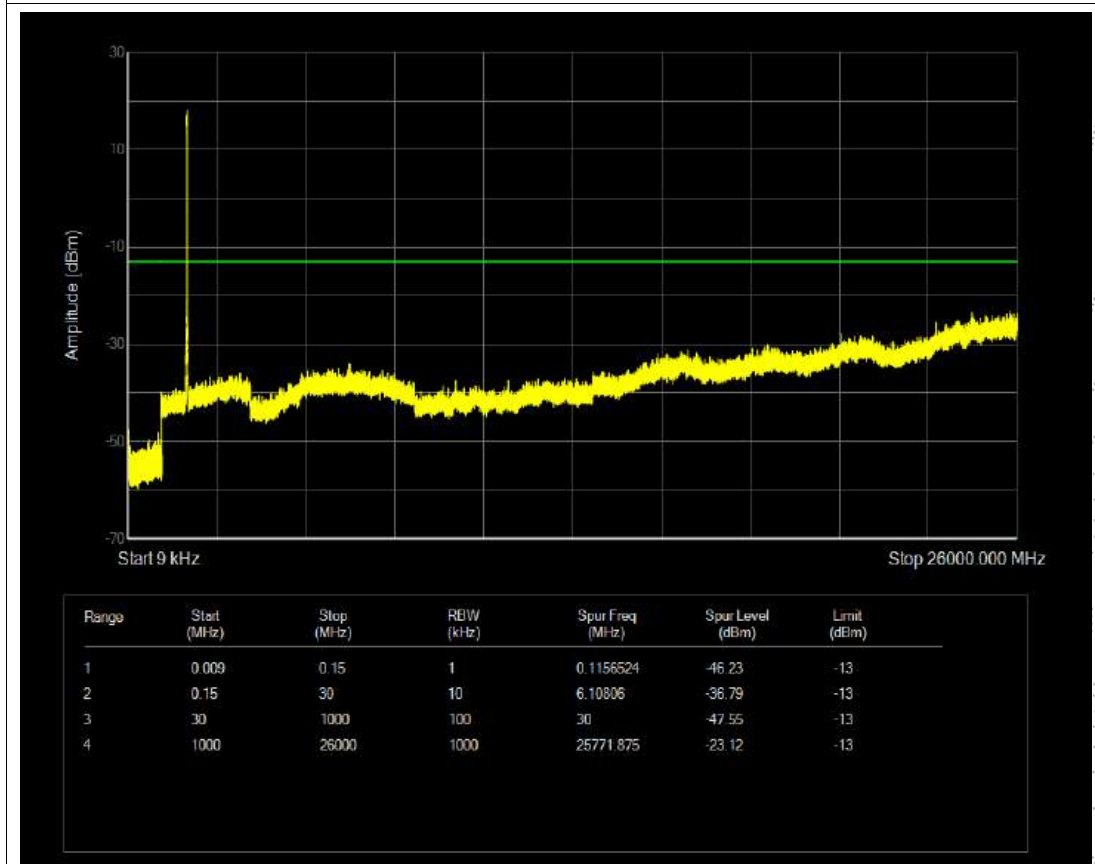
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



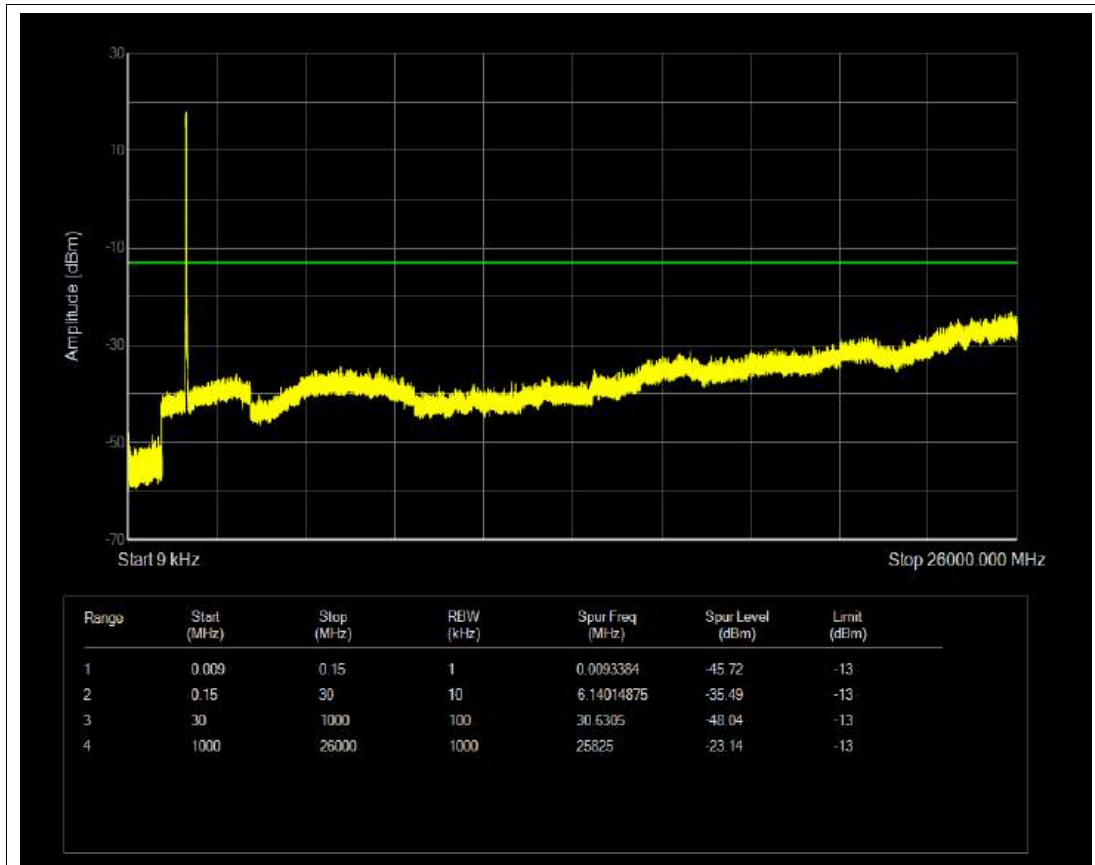
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0 NVNT



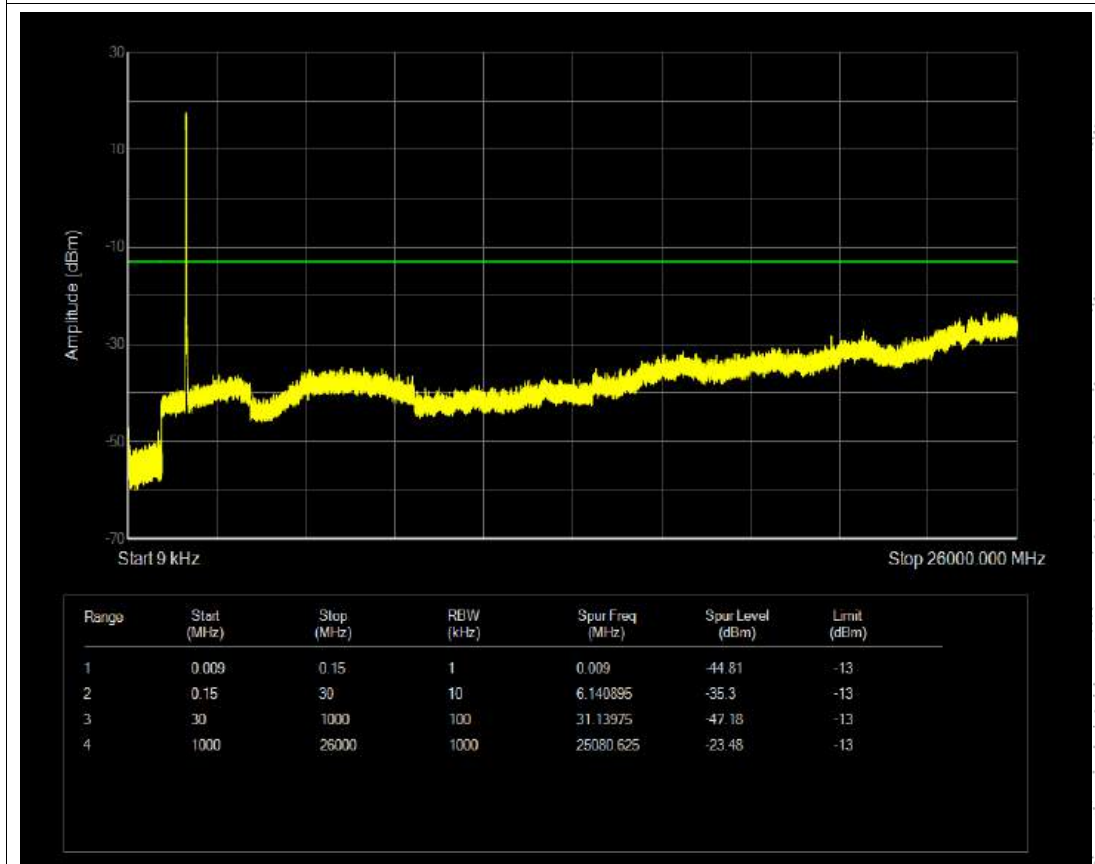
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0 NVNT



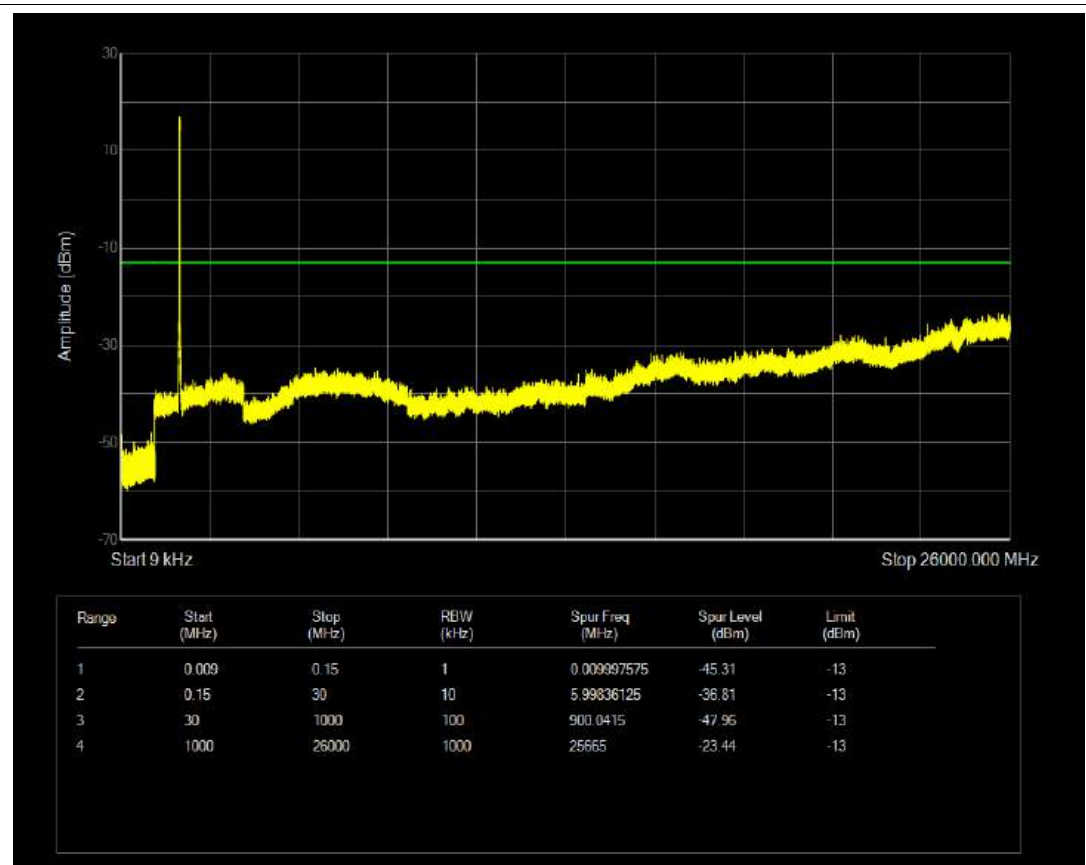
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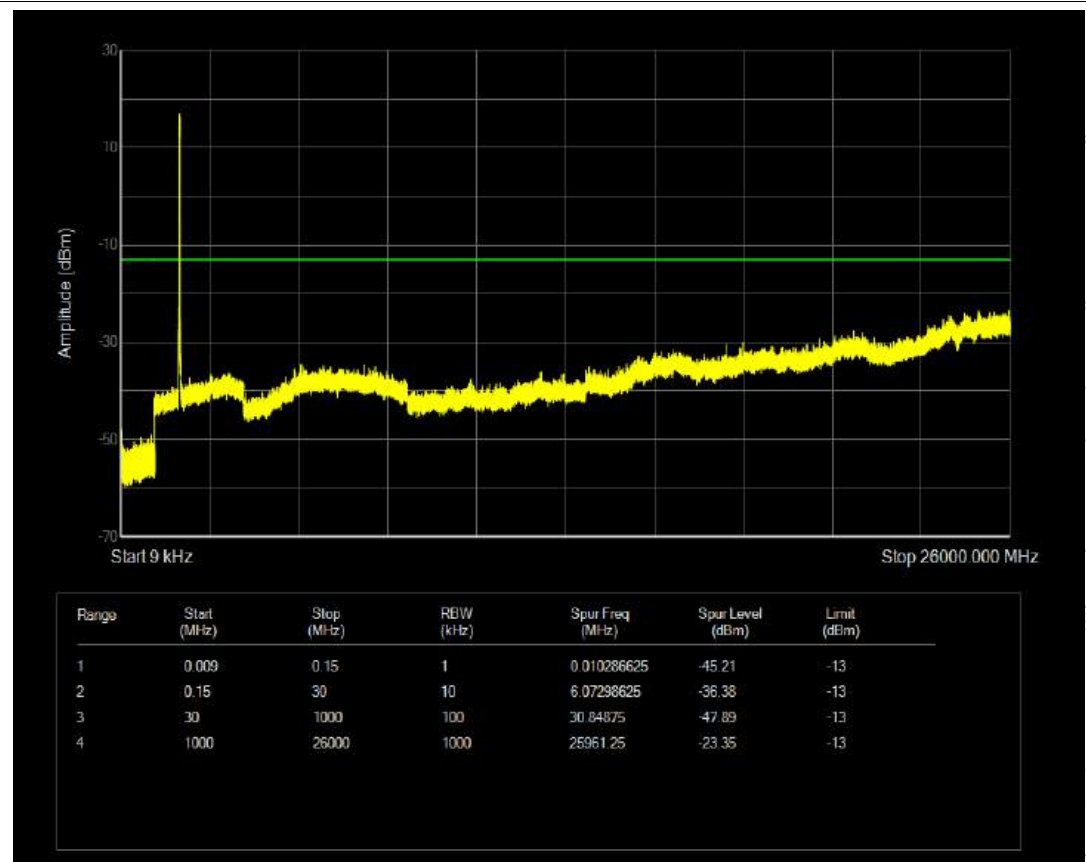
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



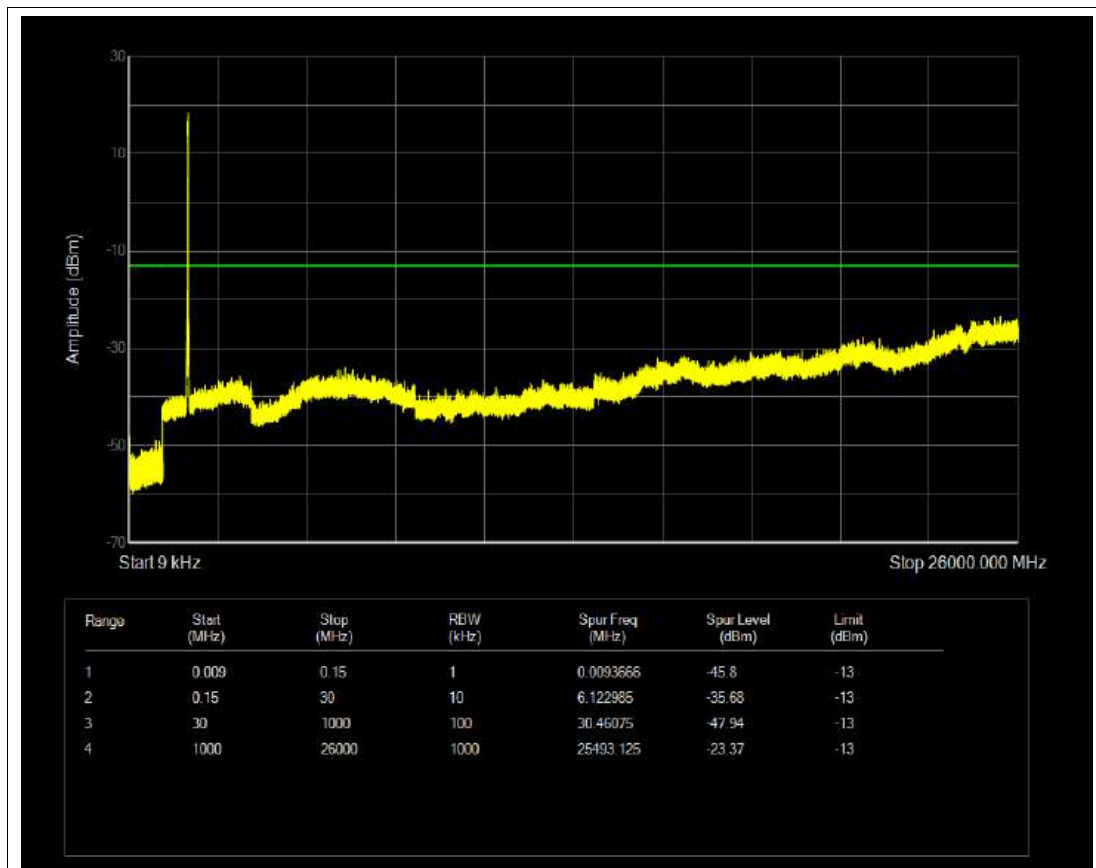
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0 NVNT



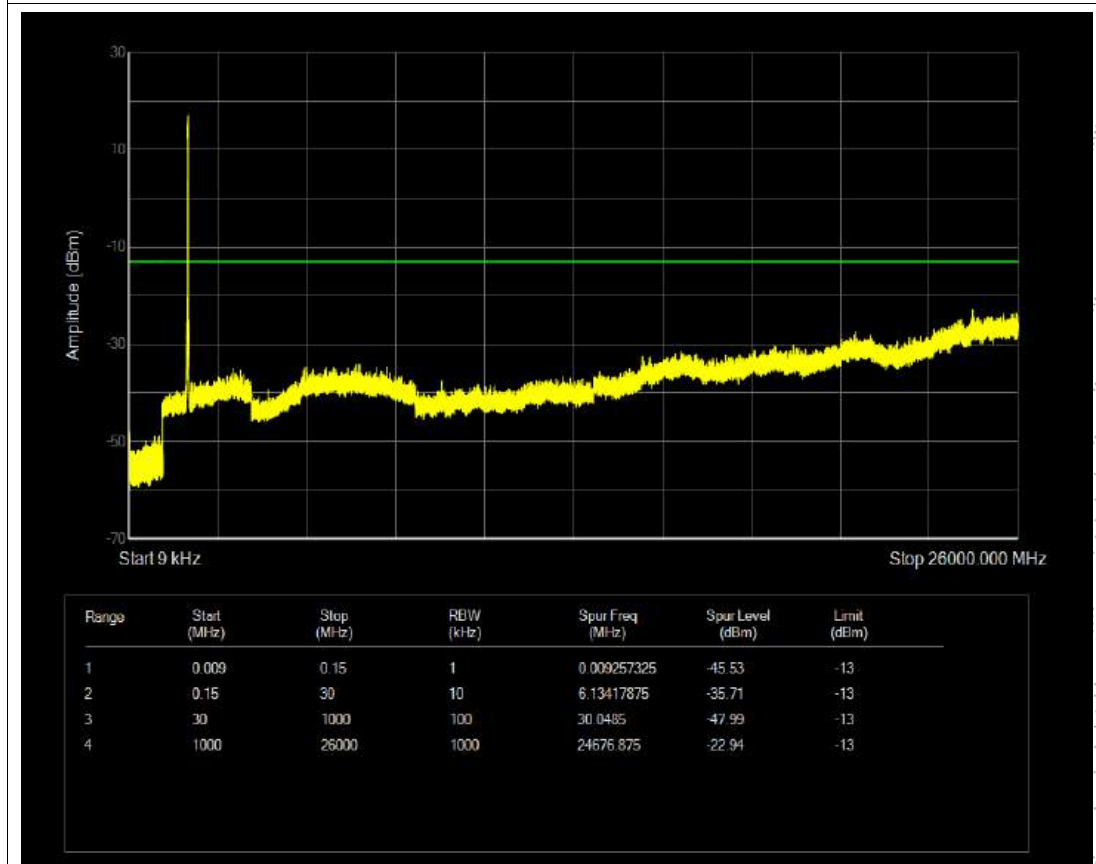
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0 NVNT



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



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



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