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

<i>Band</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Size</i>	<i>RB Position</i>	<i>Modulation</i>	<i>Power (dBm)</i>	<i>Gain (dBm)</i>	<i>EIRP (dBm)</i>	<i>Verdict</i>
Band4	1.4	19957	1	#0	QPSK	22.76	-6.14	16.62	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.68	-6.14	16.54	PASS
Band4	1.4	19957	1	#Max	QPSK	22.65	-6.14	16.51	PASS
Band4	1.4	19957	3	#0	QPSK	22.51	-6.14	16.37	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.52	-6.14	16.38	PASS
Band4	1.4	19957	3	#Max	QPSK	22.53	-6.14	16.39	PASS
Band4	1.4	19957	6	#0	QPSK	21.31	-6.14	15.17	PASS
Band4	1.4	19957	1	#0	16QAM	21.48	-6.14	15.34	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.48	-6.14	15.34	PASS
Band4	1.4	19957	1	#Max	16QAM	21.47	-6.14	15.33	PASS
Band4	1.4	19957	3	#0	16QAM	21.49	-6.14	15.35	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.51	-6.14	15.37	PASS
Band4	1.4	19957	3	#Max	16QAM	21.48	-6.14	15.34	PASS
Band4	1.4	19957	6	#0	16QAM	20.40	-6.14	14.26	PASS
Band4	1.4	20175	1	#0	QPSK	21.51	-6.14	15.37	PASS
Band4	1.4	20175	1	#Mid	QPSK	21.53	-6.14	15.39	PASS
Band4	1.4	20175	1	#Max	QPSK	21.46	-6.14	15.32	PASS
Band4	1.4	20175	3	#0	QPSK	21.50	-6.14	15.36	PASS
Band4	1.4	20175	3	#Mid	QPSK	21.48	-6.14	15.34	PASS
Band4	1.4	20175	3	#Max	QPSK	21.46	-6.14	15.32	PASS
Band4	1.4	20175	6	#0	QPSK	20.31	-6.14	14.17	PASS
Band4	1.4	20175	1	#0	16QAM	20.54	-6.14	14.40	PASS
Band4	1.4	20175	1	#Mid	16QAM	20.51	-6.14	14.37	PASS
Band4	1.4	20175	1	#Max	16QAM	20.57	-6.14	14.43	PASS
Band4	1.4	20175	3	#0	16QAM	20.57	-6.14	14.43	PASS
Band4	1.4	20175	3	#Mid	16QAM	20.58	-6.14	14.44	PASS
Band4	1.4	20175	3	#Max	16QAM	20.61	-6.14	14.47	PASS
Band4	1.4	20175	6	#0	16QAM	19.50	-6.14	13.36	PASS
Band4	1.4	20393	1	#0	QPSK	21.83	-6.14	15.69	PASS
Band4	1.4	20393	1	#Mid	QPSK	21.85	-6.14	15.71	PASS
Band4	1.4	20393	1	#Max	QPSK	21.82	-6.14	15.68	PASS
Band4	1.4	20393	3	#0	QPSK	21.73	-6.14	15.59	PASS
Band4	1.4	20393	3	#Mid	QPSK	21.72	-6.14	15.58	PASS
Band4	1.4	20393	3	#Max	QPSK	21.75	-6.14	15.61	PASS
Band4	1.4	20393	6	#0	QPSK	20.69	-6.14	14.55	PASS
Band4	1.4	20393	1	#0	16QAM	20.58	-6.14	14.44	PASS
Band4	1.4	20393	1	#Mid	16QAM	20.63	-6.14	14.49	PASS

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Band4	1.4	20393	1	#Max	16QAM	20.67	-6.14	14.53	PASS
Band4	1.4	20393	3	#0	16QAM	20.85	-6.14	14.71	PASS
Band4	1.4	20393	3	#Mid	16QAM	20.86	-6.14	14.72	PASS
Band4	1.4	20393	3	#Max	16QAM	20.89	-6.14	14.75	PASS
Band4	1.4	20393	6	#0	16QAM	19.80	-6.14	13.66	PASS
Band4	3	19965	1	#0	QPSK	22.53	-6.14	16.39	PASS
Band4	3	19965	1	#Mid	QPSK	22.50	-6.14	16.36	PASS
Band4	3	19965	1	#Max	QPSK	22.33	-6.14	16.19	PASS
Band4	3	19965	8	#0	QPSK	21.36	-6.14	15.22	PASS
Band4	3	19965	8	#Mid	QPSK	21.35	-6.14	15.21	PASS
Band4	3	19965	8	#Max	QPSK	21.32	-6.14	15.18	PASS
Band4	3	19965	15	#0	QPSK	21.26	-6.14	15.12	PASS
Band4	3	19965	1	#0	16QAM	21.62	-6.14	15.48	PASS
Band4	3	19965	1	#Mid	16QAM	21.71	-6.14	15.57	PASS
Band4	3	19965	1	#Max	16QAM	21.60	-6.14	15.46	PASS
Band4	3	19965	8	#0	16QAM	20.18	-6.14	14.04	PASS
Band4	3	19965	8	#Mid	16QAM	20.23	-6.14	14.09	PASS
Band4	3	19965	8	#Max	16QAM	20.17	-6.14	14.03	PASS
Band4	3	19965	15	#0	16QAM	20.18	-6.14	14.04	PASS
Band4	3	20175	1	#0	QPSK	21.46	-6.14	15.32	PASS
Band4	3	20175	1	#Mid	QPSK	21.48	-6.14	15.34	PASS
Band4	3	20175	1	#Max	QPSK	21.38	-6.14	15.24	PASS
Band4	3	20175	8	#0	QPSK	20.31	-6.14	14.17	PASS
Band4	3	20175	8	#Mid	QPSK	20.32	-6.14	14.18	PASS
Band4	3	20175	8	#Max	QPSK	20.33	-6.14	14.19	PASS
Band4	3	20175	15	#0	QPSK	20.35	-6.14	14.21	PASS
Band4	3	20175	1	#0	16QAM	20.51	-6.14	14.37	PASS
Band4	3	20175	1	#Mid	16QAM	20.58	-6.14	14.44	PASS
Band4	3	20175	1	#Max	16QAM	20.44	-6.14	14.30	PASS
Band4	3	20175	8	#0	16QAM	19.36	-6.14	13.22	PASS
Band4	3	20175	8	#Mid	16QAM	19.39	-6.14	13.25	PASS
Band4	3	20175	8	#Max	16QAM	19.32	-6.14	13.18	PASS
Band4	3	20175	15	#0	16QAM	19.32	-6.14	13.18	PASS
Band4	3	20385	1	#0	QPSK	21.66	-6.14	15.52	PASS
Band4	3	20385	1	#Mid	QPSK	21.81	-6.14	15.67	PASS
Band4	3	20385	1	#Max	QPSK	21.76	-6.14	15.62	PASS
Band4	3	20385	8	#0	QPSK	20.62	-6.14	14.48	PASS
Band4	3	20385	8	#Mid	QPSK	20.68	-6.14	14.54	PASS
Band4	3	20385	8	#Max	QPSK	20.67	-6.14	14.53	PASS
Band4	3	20385	15	#0	QPSK	20.65	-6.14	14.51	PASS
Band4	3	20385	1	#0	16QAM	20.46	-6.14	14.32	PASS
Band4	3	20385	1	#Mid	16QAM	20.60	-6.14	14.46	PASS
Band4	3	20385	1	#Max	16QAM	20.55	-6.14	14.41	PASS
Band4	3	20385	8	#0	16QAM	19.54	-6.14	13.40	PASS

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Band4	3	20385	8	#Mid	16QAM	19.60	-6.14	13.46	PASS
Band4	3	20385	8	#Max	16QAM	19.61	-6.14	13.47	PASS
Band4	3	20385	15	#0	16QAM	19.65	-6.14	13.51	PASS
Band4	5	19975	1	#0	QPSK	22.77	-6.14	16.63	PASS
Band4	5	19975	1	#Mid	QPSK	22.46	-6.14	16.32	PASS
Band4	5	19975	1	#Max	QPSK	22.37	-6.14	16.23	PASS
Band4	5	19975	12	#0	QPSK	21.27	-6.14	15.13	PASS
Band4	5	19975	12	#Mid	QPSK	21.29	-6.14	15.15	PASS
Band4	5	19975	12	#Max	QPSK	21.25	-6.14	15.11	PASS
Band4	5	19975	25	#0	QPSK	21.20	-6.14	15.06	PASS
Band4	5	19975	1	#0	16QAM	21.85	-6.14	15.71	PASS
Band4	5	19975	1	#Mid	16QAM	21.80	-6.14	15.66	PASS
Band4	5	19975	1	#Max	16QAM	21.78	-6.14	15.64	PASS
Band4	5	19975	12	#0	16QAM	20.11	-6.14	13.97	PASS
Band4	5	19975	12	#Mid	16QAM	20.15	-6.14	14.01	PASS
Band4	5	19975	12	#Max	16QAM	20.03	-6.14	13.89	PASS
Band4	5	19975	25	#0	16QAM	20.04	-6.14	13.90	PASS
Band4	5	20175	1	#0	QPSK	21.62	-6.14	15.48	PASS
Band4	5	20175	1	#Mid	QPSK	22.13	-6.14	15.99	PASS
Band4	5	20175	1	#Max	QPSK	21.95	-6.14	15.81	PASS
Band4	5	20175	12	#0	QPSK	20.78	-6.14	14.64	PASS
Band4	5	20175	12	#Mid	QPSK	20.79	-6.14	14.65	PASS
Band4	5	20175	12	#Max	QPSK	20.67	-6.14	14.53	PASS
Band4	5	20175	25	#0	QPSK	20.73	-6.14	14.59	PASS
Band4	5	20175	1	#0	16QAM	21.24	-6.14	15.10	PASS
Band4	5	20175	1	#Mid	16QAM	21.07	-6.14	14.93	PASS
Band4	5	20175	1	#Max	16QAM	21.03	-6.14	14.89	PASS
Band4	5	20175	12	#0	16QAM	19.65	-6.14	13.51	PASS
Band4	5	20175	12	#Mid	16QAM	19.67	-6.14	13.53	PASS
Band4	5	20175	12	#Max	16QAM	19.57	-6.14	13.43	PASS
Band4	5	20175	25	#0	16QAM	19.63	-6.14	13.49	PASS
Band4	5	20375	1	#0	QPSK	21.84	-6.14	15.70	PASS
Band4	5	20375	1	#Mid	QPSK	21.90	-6.14	15.76	PASS
Band4	5	20375	1	#Max	QPSK	21.97	-6.14	15.83	PASS
Band4	5	20375	12	#0	QPSK	20.60	-6.14	14.46	PASS
Band4	5	20375	12	#Mid	QPSK	20.80	-6.14	14.66	PASS
Band4	5	20375	12	#Max	QPSK	20.80	-6.14	14.66	PASS
Band4	5	20375	25	#0	QPSK	20.72	-6.14	14.58	PASS
Band4	5	20375	1	#0	16QAM	21.03	-6.14	14.89	PASS
Band4	5	20375	1	#Mid	16QAM	21.13	-6.14	14.99	PASS
Band4	5	20375	1	#Max	16QAM	21.27	-6.14	15.13	PASS
Band4	5	20375	12	#0	16QAM	19.48	-6.14	13.34	PASS
Band4	5	20375	12	#Mid	16QAM	19.74	-6.14	13.60	PASS
Band4	5	20375	12	#Max	16QAM	19.73	-6.14	13.59	PASS

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Band4	5	20375	25	#0	16QAM	19.58	-6.14	13.44	PASS
Band4	10	20000	1	#0	QPSK	22.91	-6.14	16.77	PASS
Band4	10	20000	1	#Mid	QPSK	22.35	-6.14	16.21	PASS
Band4	10	20000	1	#Max	QPSK	22.13	-6.14	15.99	PASS
Band4	10	20000	25	#0	QPSK	21.18	-6.14	15.04	PASS
Band4	10	20000	25	#Mid	QPSK	21.29	-6.14	15.15	PASS
Band4	10	20000	25	#Max	QPSK	20.95	-6.14	14.81	PASS
Band4	10	20000	50	#0	QPSK	21.05	-6.14	14.91	PASS
Band4	10	20175	1	#0	QPSK	21.85	-6.14	15.71	PASS
Band4	10	20175	1	#Mid	QPSK	21.53	-6.14	15.39	PASS
Band4	10	20175	1	#Max	QPSK	21.39	-6.14	15.25	PASS
Band4	10	20175	25	#0	QPSK	20.29	-6.14	14.15	PASS
Band4	10	20175	25	#Mid	QPSK	20.32	-6.14	14.18	PASS
Band4	10	20175	25	#Max	QPSK	20.13	-6.14	13.99	PASS
Band4	10	20175	50	#0	QPSK	20.20	-6.14	14.06	PASS
Band4	10	20350	1	#0	QPSK	21.48	-6.14	15.34	PASS
Band4	10	20350	1	#Mid	QPSK	21.57	-6.14	15.43	PASS
Band4	10	20350	1	#Max	QPSK	21.94	-6.14	15.80	PASS
Band4	10	20350	25	#0	QPSK	20.15	-6.14	14.01	PASS
Band4	10	20350	25	#Mid	QPSK	20.40	-6.14	14.26	PASS
Band4	10	20350	25	#Max	QPSK	20.40	-6.14	14.26	PASS
Band4	10	20350	50	#0	QPSK	20.28	-6.14	14.14	PASS
Band4	15	20025	1	#0	QPSK	22.72	-6.14	16.58	PASS
Band4	15	20025	1	#Mid	QPSK	22.29	-6.14	16.15	PASS
Band4	15	20025	1	#Max	QPSK	21.79	-6.14	15.65	PASS
Band4	15	20025	36	#0	QPSK	21.30	-6.14	15.16	PASS
Band4	15	20025	36	#Mid	QPSK	21.17	-6.14	15.03	PASS
Band4	15	20025	36	#Max	QPSK	20.76	-6.14	14.62	PASS
Band4	15	20025	75	#0	QPSK	22.64	-6.14	16.50	PASS
Band4	15	20175	1	#0	QPSK	23.51	-6.14	17.37	PASS
Band4	15	20175	1	#Mid	QPSK	23.29	-6.14	17.15	PASS
Band4	15	20175	1	#Max	QPSK	22.80	-6.14	16.66	PASS
Band4	15	20175	36	#0	QPSK	22.06	-6.14	15.92	PASS
Band4	15	20175	36	#Mid	QPSK	21.99	-6.14	15.85	PASS
Band4	15	20175	36	#Max	QPSK	21.76	-6.14	15.62	PASS
Band4	15	20175	75	#0	QPSK	22.72	-6.14	16.58	PASS
Band4	15	20325	1	#0	QPSK	22.89	-6.14	16.75	PASS
Band4	15	20325	1	#Mid	QPSK	22.91	-6.14	16.77	PASS
Band4	15	20325	1	#Max	QPSK	23.06	-6.14	16.92	PASS
Band4	15	20325	36	#0	QPSK	21.58	-6.14	15.44	PASS
Band4	15	20325	36	#Mid	QPSK	21.72	-6.14	15.58	PASS
Band4	15	20325	36	#Max	QPSK	21.67	-6.14	15.53	PASS
Band4	15	20325	75	#0	QPSK	-21.60	-6.14	-27.74	PASS
Band4	20	20050	1	#0	QPSK	23.70	-6.14	17.56	PASS

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Band4	20	20050	1	#Mid	QPSK	23.49	-6.14	17.35	PASS
Band4	20	20050	1	#Max	QPSK	23.17	-6.14	17.03	PASS
Band4	20	20050	50	#0	QPSK	22.23	-6.14	16.09	PASS
Band4	20	20050	50	#Mid	QPSK	22.11	-6.14	15.97	PASS
Band4	20	20050	50	#Max	QPSK	21.95	-6.14	15.81	PASS
Band4	20	20050	100	#0	QPSK	22.08	-6.14	15.94	PASS
Band4	20	20175	1	#0	QPSK	23.48	-6.14	17.34	PASS
Band4	20	20175	1	#Mid	QPSK	23.30	-6.14	17.16	PASS
Band4	20	20175	1	#Max	QPSK	22.63	-6.14	16.49	PASS
Band4	20	20175	50	#0	QPSK	21.99	-6.14	15.85	PASS
Band4	20	20175	50	#Mid	QPSK	21.98	-6.14	15.84	PASS
Band4	20	20175	50	#Max	QPSK	21.62	-6.14	15.48	PASS
Band4	20	20175	100	#0	QPSK	22.53	-6.14	16.39	PASS
Band4	20	20300	1	#0	QPSK	22.87	-6.14	16.73	PASS
Band4	20	20300	1	#Mid	QPSK	22.72	-6.14	16.58	PASS
Band4	20	20300	1	#Max	QPSK	22.85	-6.14	16.71	PASS
Band4	20	20300	50	#0	QPSK	21.35	-6.14	15.21	PASS
Band4	20	20300	50	#Mid	QPSK	21.47	-6.14	15.33	PASS
Band4	20	20300	50	#Max	QPSK	21.44	-6.14	15.30	PASS
Band4	20	20300	100	#0	QPSK	22.36	-6.14	16.22	PASS

Appendix 2.Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperatue (C)	Result (Hz)	Result (ppm)	Verdict
Band4	1.4	19957	6	#0	QPSK	LV	NT	-4.51	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	NT	-14.86	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	HV	NT	-17.51	-0.010	PASS
Band4	1.4	19957	6	#0	16QAM	LV	NT	-17.85	-0.010	PASS
Band4	1.4	19957	6	#0	16QAM	NV	NT	-19.13	-0.011	PASS
Band4	1.4	19957	6	#0	16QAM	HV	NT	-13.88	-0.008	PASS
Band4	1.4	20175	6	#0	QPSK	LV	NT	-23.60	-0.014	PASS
Band4	1.4	20175	6	#0	QPSK	NV	NT	-17.68	-0.010	PASS
Band4	1.4	20175	6	#0	QPSK	HV	NT	-22.59	-0.013	PASS
Band4	1.4	20175	6	#0	16QAM	LV	NT	-20.47	-0.012	PASS
Band4	1.4	20175	6	#0	16QAM	NV	NT	-21.84	-0.013	PASS
Band4	1.4	20175	6	#0	16QAM	HV	NT	-20.89	-0.012	PASS
Band4	1.4	20393	6	#0	QPSK	LV	NT	-21.96	-0.013	PASS
Band4	1.4	20393	6	#0	QPSK	NV	NT	-17.11	-0.010	PASS
Band4	1.4	20393	6	#0	QPSK	HV	NT	-9.76	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	LV	NT	-11.86	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	NT	-14.89	-0.008	PASS
Band4	1.4	20393	6	#0	16QAM	HV	NT	-17.09	-0.010	PASS
Band4	3	19965	15	#0	QPSK	LV	NT	-16.12	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	NT	-18.68	-0.011	PASS
Band4	3	19965	15	#0	QPSK	HV	NT	-19.88	-0.012	PASS
Band4	3	19965	15	#0	16QAM	LV	NT	-16.49	-0.010	PASS
Band4	3	19965	15	#0	16QAM	NV	NT	-13.85	-0.008	PASS
Band4	3	19965	15	#0	16QAM	HV	NT	-3.43	-0.002	PASS
Band4	3	20175	15	#0	QPSK	LV	NT	-12.86	-0.007	PASS
Band4	3	20175	15	#0	QPSK	NV	NT	-15.06	-0.009	PASS
Band4	3	20175	15	#0	QPSK	HV	NT	-12.46	-0.007	PASS
Band4	3	20175	15	#0	16QAM	LV	NT	-14.79	-0.009	PASS
Band4	3	20175	15	#0	16QAM	NV	NT	-7.45	-0.004	PASS
Band4	3	20175	15	#0	16QAM	HV	NT	-13.70	-0.008	PASS
Band4	3	20385	15	#0	QPSK	LV	NT	-15.61	-0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	NT	-7.80	-0.004	PASS
Band4	3	20385	15	#0	QPSK	HV	NT	-19.54	-0.011	PASS
Band4	3	20385	15	#0	16QAM	LV	NT	-17.31	-0.010	PASS
Band4	3	20385	15	#0	16QAM	NV	NT	-13.38	-0.008	PASS
Band4	3	20385	15	#0	16QAM	HV	NT	-13.98	-0.008	PASS
Band4	5	19975	25	#0	QPSK	LV	NT	-9.56	-0.006	PASS
Band4	5	19975	25	#0	QPSK	NV	NT	-11.44	-0.007	PASS
Band4	5	19975	25	#0	QPSK	HV	NT	-17.77	-0.010	PASS
Band4	5	19975	25	#0	16QAM	LV	NT	-20.26	-0.012	PASS

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Band4	5	19975	25	#0	16QAM	NV	NT	-16.77	-0.010	PASS
Band4	5	19975	25	#0	16QAM	HV	NT	-10.00	-0.006	PASS
Band4	5	20175	25	#0	QPSK	LV	NT	-10.76	-0.006	PASS
Band4	5	20175	25	#0	QPSK	NV	NT	-12.77	-0.007	PASS
Band4	5	20175	25	#0	QPSK	HV	NT	-17.82	-0.010	PASS
Band4	5	20175	25	#0	16QAM	LV	NT	-13.25	-0.008	PASS
Band4	5	20175	25	#0	16QAM	NV	NT	-12.57	-0.007	PASS
Band4	5	20175	25	#0	16QAM	HV	NT	-7.81	-0.005	PASS
Band4	5	20375	25	#0	QPSK	LV	NT	-5.95	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	NT	-12.29	-0.007	PASS
Band4	5	20375	25	#0	QPSK	HV	NT	-13.80	-0.008	PASS
Band4	5	20375	25	#0	16QAM	LV	NT	-13.23	-0.008	PASS
Band4	5	20375	25	#0	16QAM	NV	NT	-7.57	-0.004	PASS
Band4	5	20375	25	#0	16QAM	HV	NT	-13.58	-0.008	PASS
Band4	10	20000	50	#0	QPSK	LV	NT	-12.33	-0.007	PASS
Band4	10	20000	50	#0	QPSK	NV	NT	-12.20	-0.007	PASS
Band4	10	20000	50	#0	QPSK	HV	NT	-11.39	-0.007	PASS
Band4	10	20175	50	#0	QPSK	LV	NT	-12.63	-0.007	PASS
Band4	10	20175	50	#0	QPSK	NV	NT	-6.42	-0.004	PASS
Band4	10	20175	50	#0	QPSK	HV	NT	-6.58	-0.004	PASS
Band4	10	20350	50	#0	QPSK	LV	NT	-11.43	-0.007	PASS
Band4	10	20350	50	#0	QPSK	NV	NT	-10.00	-0.006	PASS
Band4	10	20350	50	#0	QPSK	HV	NT	-10.96	-0.006	PASS
Band4	15	20025	75	#0	QPSK	LV	NT	-15.68	-0.009	PASS
Band4	15	20025	75	#0	QPSK	NV	NT	-13.32	-0.008	PASS
Band4	15	20025	75	#0	QPSK	HV	NT	-10.90	-0.006	PASS
Band4	15	20175	75	#0	QPSK	LV	NT	-11.82	-0.007	PASS
Band4	15	20175	75	#0	QPSK	NV	NT	-8.85	-0.005	PASS
Band4	15	20175	75	#0	QPSK	HV	NT	-13.48	-0.008	PASS
Band4	15	20325	75	#0	QPSK	LV	NT	-9.26	-0.005	PASS
Band4	15	20325	75	#0	QPSK	NV	NT	-5.79	-0.003	PASS
Band4	15	20325	75	#0	QPSK	HV	NT	-14.98	-0.009	PASS
Band4	20	20050	100	#0	QPSK	LV	NT	-10.09	-0.006	PASS
Band4	20	20050	100	#0	QPSK	NV	NT	-6.92	-0.004	PASS
Band4	20	20050	100	#0	QPSK	HV	NT	-12.19	-0.007	PASS
Band4	20	20175	100	#0	QPSK	LV	NT	-13.38	-0.008	PASS
Band4	20	20175	100	#0	QPSK	NV	NT	-15.76	-0.009	PASS
Band4	20	20175	100	#0	QPSK	HV	NT	-7.10	-0.004	PASS
Band4	20	20300	100	#0	QPSK	LV	NT	-4.61	-0.003	PASS
Band4	20	20300	100	#0	QPSK	NV	NT	-5.22	-0.003	PASS
Band4	20	20300	100	#0	QPSK	HV	NT	-9.33	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-30	-7.34	-0.004	PASS
Band4	1.4	19957	6	#0	QPSK	NV	-20	-15.55	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	NV	0	-8.60	-0.005	PASS

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Band4	1.4	19957	6	#0	QPSK	NV	10	-5.29	-0.003	PASS
Band4	1.4	19957	6	#0	QPSK	NV	20	-6.45	-0.004	PASS
Band4	1.4	19957	6	#0	QPSK	NV	30	-15.45	-0.009	PASS
Band4	1.4	19957	6	#0	QPSK	NV	40	-8.53	-0.005	PASS
Band4	1.4	19957	6	#0	QPSK	NV	50	-16.14	-0.009	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-30	-12.26	-0.007	PASS
Band4	1.4	19957	6	#0	16QAM	NV	-20	5.82	0.003	PASS
Band4	1.4	19957	6	#0	16QAM	NV	0	-10.17	-0.006	PASS
Band4	1.4	19957	6	#0	16QAM	NV	10	-8.05	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	20	-8.90	-0.005	PASS
Band4	1.4	19957	6	#0	16QAM	NV	30	-13.50	-0.008	PASS
Band4	1.4	19957	6	#0	16QAM	NV	40	-18.37	-0.011	PASS
Band4	1.4	19957	6	#0	16QAM	NV	50	-10.71	-0.006	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-30	-5.79	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	-20	-5.78	-0.003	PASS
Band4	1.4	20175	6	#0	QPSK	NV	0	-2.36	-0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	10	0.49	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	20	2.02	0.001	PASS
Band4	1.4	20175	6	#0	QPSK	NV	30	6.74	0.004	PASS
Band4	1.4	20175	6	#0	QPSK	NV	40	0.39	0.000	PASS
Band4	1.4	20175	6	#0	QPSK	NV	50	4.95	0.003	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-30	12.60	0.007	PASS
Band4	1.4	20175	6	#0	16QAM	NV	-20	-3.63	-0.002	PASS
Band4	1.4	20175	6	#0	16QAM	NV	0	-0.50	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	10	-0.21	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	20	-1.26	-0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	30	1.17	0.001	PASS
Band4	1.4	20175	6	#0	16QAM	NV	40	0.21	0.000	PASS
Band4	1.4	20175	6	#0	16QAM	NV	50	2.43	0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-30	-13.66	-0.008	PASS
Band4	1.4	20393	6	#0	QPSK	NV	-20	2.55	0.001	PASS
Band4	1.4	20393	6	#0	QPSK	NV	0	-8.10	-0.005	PASS
Band4	1.4	20393	6	#0	QPSK	NV	10	-3.81	-0.002	PASS
Band4	1.4	20393	6	#0	QPSK	NV	20	4.41	0.003	PASS
Band4	1.4	20393	6	#0	QPSK	NV	30	-12.72	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	40	-12.65	-0.007	PASS
Band4	1.4	20393	6	#0	QPSK	NV	50	-2.39	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-30	6.52	0.004	PASS
Band4	1.4	20393	6	#0	16QAM	NV	-20	4.76	0.003	PASS
Band4	1.4	20393	6	#0	16QAM	NV	0	-3.28	-0.002	PASS
Band4	1.4	20393	6	#0	16QAM	NV	10	-12.97	-0.007	PASS
Band4	1.4	20393	6	#0	16QAM	NV	20	-10.69	-0.006	PASS
Band4	1.4	20393	6	#0	16QAM	NV	30	-2.16	-0.001	PASS
Band4	1.4	20393	6	#0	16QAM	NV	40	-10.70	-0.006	PASS

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Band4	1.4	20393	6	#0	16QAM	NV	50	-10.39	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-30	-9.48	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	-20	-6.77	-0.004	PASS
Band4	3	19965	15	#0	QPSK	NV	0	-15.22	-0.009	PASS
Band4	3	19965	15	#0	QPSK	NV	10	-10.36	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	20	-13.36	-0.008	PASS
Band4	3	19965	15	#0	QPSK	NV	30	-8.35	-0.005	PASS
Band4	3	19965	15	#0	QPSK	NV	40	-10.49	-0.006	PASS
Band4	3	19965	15	#0	QPSK	NV	50	-6.64	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-30	-6.71	-0.004	PASS
Band4	3	19965	15	#0	16QAM	NV	-20	3.46	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	0	3.36	0.002	PASS
Band4	3	19965	15	#0	16QAM	NV	10	-0.64	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	20	-19.01	-0.011	PASS
Band4	3	19965	15	#0	16QAM	NV	30	-4.79	-0.003	PASS
Band4	3	19965	15	#0	16QAM	NV	40	0.76	0.000	PASS
Band4	3	19965	15	#0	16QAM	NV	50	1.00	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	-30	-1.70	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	-20	4.39	0.003	PASS
Band4	3	20175	15	#0	QPSK	NV	0	3.86	0.002	PASS
Band4	3	20175	15	#0	QPSK	NV	10	2.30	0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	20	-2.35	-0.001	PASS
Band4	3	20175	15	#0	QPSK	NV	30	0.80	0.000	PASS
Band4	3	20175	15	#0	QPSK	NV	40	-8.28	-0.005	PASS
Band4	3	20175	15	#0	QPSK	NV	50	-1.03	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	-30	7.17	0.004	PASS
Band4	3	20175	15	#0	16QAM	NV	-20	-12.60	-0.007	PASS
Band4	3	20175	15	#0	16QAM	NV	0	-4.55	-0.003	PASS
Band4	3	20175	15	#0	16QAM	NV	10	-1.52	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	20	-1.75	-0.001	PASS
Band4	3	20175	15	#0	16QAM	NV	30	-10.04	-0.006	PASS
Band4	3	20175	15	#0	16QAM	NV	40	-8.67	-0.005	PASS
Band4	3	20175	15	#0	16QAM	NV	50	15.81	0.009	PASS
Band4	3	20385	15	#0	QPSK	NV	-30	-4.69	-0.003	PASS
Band4	3	20385	15	#0	QPSK	NV	-20	-8.28	-0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	0	6.59	0.004	PASS
Band4	3	20385	15	#0	QPSK	NV	10	-9.40	-0.005	PASS
Band4	3	20385	15	#0	QPSK	NV	20	-2.43	-0.001	PASS
Band4	3	20385	15	#0	QPSK	NV	30	-0.54	0.000	PASS
Band4	3	20385	15	#0	QPSK	NV	40	-4.01	-0.002	PASS
Band4	3	20385	15	#0	QPSK	NV	50	-7.62	-0.004	PASS
Band4	3	20385	15	#0	16QAM	NV	-30	-15.56	-0.009	PASS
Band4	3	20385	15	#0	16QAM	NV	-20	-5.49	-0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	0	-2.17	-0.001	PASS

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Band4	3	20385	15	#0	16QAM	NV	10	-4.36	-0.002	PASS
Band4	3	20385	15	#0	16QAM	NV	20	1.27	0.001	PASS
Band4	3	20385	15	#0	16QAM	NV	30	4.49	0.003	PASS
Band4	3	20385	15	#0	16QAM	NV	40	9.48	0.005	PASS
Band4	3	20385	15	#0	16QAM	NV	50	-11.43	-0.007	PASS
Band4	5	19975	25	#0	QPSK	NV	-30	-9.41	-0.005	PASS
Band4	5	19975	25	#0	QPSK	NV	-20	0.23	0.000	PASS
Band4	5	19975	25	#0	QPSK	NV	0	-8.45	-0.005	PASS
Band4	5	19975	25	#0	QPSK	NV	10	-6.01	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	20	-7.07	-0.004	PASS
Band4	5	19975	25	#0	QPSK	NV	30	-2.53	-0.001	PASS
Band4	5	19975	25	#0	QPSK	NV	40	-8.10	-0.005	PASS
Band4	5	19975	25	#0	QPSK	NV	50	-2.09	-0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	-30	-6.88	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	-20	-2.95	-0.002	PASS
Band4	5	19975	25	#0	16QAM	NV	0	0.83	0.000	PASS
Band4	5	19975	25	#0	16QAM	NV	10	-9.60	-0.006	PASS
Band4	5	19975	25	#0	16QAM	NV	20	-8.94	-0.005	PASS
Band4	5	19975	25	#0	16QAM	NV	30	-6.74	-0.004	PASS
Band4	5	19975	25	#0	16QAM	NV	40	1.02	0.001	PASS
Band4	5	19975	25	#0	16QAM	NV	50	-6.91	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	-30	-7.41	-0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	-20	-9.46	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	0	-5.06	-0.003	PASS
Band4	5	20175	25	#0	QPSK	NV	10	-3.82	-0.002	PASS
Band4	5	20175	25	#0	QPSK	NV	20	6.37	0.004	PASS
Band4	5	20175	25	#0	QPSK	NV	30	-8.07	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	40	-8.37	-0.005	PASS
Band4	5	20175	25	#0	QPSK	NV	50	-7.38	-0.004	PASS
Band4	5	20175	25	#0	16QAM	NV	-30	5.66	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	-20	-3.03	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	0	4.59	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	10	4.68	0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	20	-5.94	-0.003	PASS
Band4	5	20175	25	#0	16QAM	NV	30	-8.21	-0.005	PASS
Band4	5	20175	25	#0	16QAM	NV	40	-3.06	-0.002	PASS
Band4	5	20175	25	#0	16QAM	NV	50	-6.09	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	-30	1.20	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	-20	-4.49	-0.003	PASS
Band4	5	20375	25	#0	QPSK	NV	0	-3.78	-0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	10	-6.22	-0.004	PASS
Band4	5	20375	25	#0	QPSK	NV	20	1.13	0.001	PASS
Band4	5	20375	25	#0	QPSK	NV	30	4.01	0.002	PASS
Band4	5	20375	25	#0	QPSK	NV	40	-1.92	-0.001	PASS

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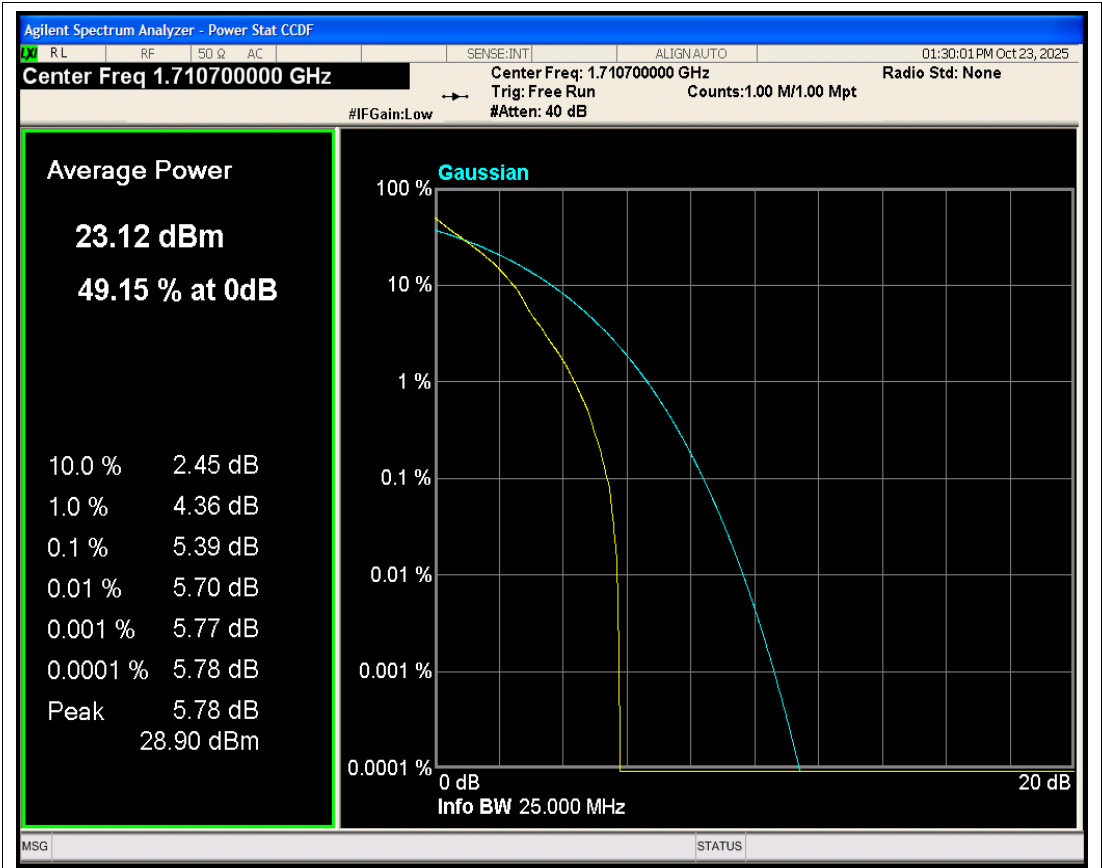
Band4	5	20375	25	#0	QPSK	NV	50	-6.54	-0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	-30	-2.23	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	-20	-4.56	-0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	0	-2.57	-0.001	PASS
Band4	5	20375	25	#0	16QAM	NV	10	4.21	0.002	PASS
Band4	5	20375	25	#0	16QAM	NV	20	5.11	0.003	PASS
Band4	5	20375	25	#0	16QAM	NV	30	9.87	0.006	PASS
Band4	5	20375	25	#0	16QAM	NV	40	7.74	0.004	PASS
Band4	5	20375	25	#0	16QAM	NV	50	3.86	0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	-30	-3.59	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	-20	-3.26	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	0	-2.15	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	10	-2.02	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	20	6.79	0.004	PASS
Band4	10	20000	50	#0	QPSK	NV	30	-2.73	-0.002	PASS
Band4	10	20000	50	#0	QPSK	NV	40	-1.75	-0.001	PASS
Band4	10	20000	50	#0	QPSK	NV	50	6.71	0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	-30	5.64	0.003	PASS
Band4	10	20175	50	#0	QPSK	NV	-20	7.38	0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	0	-8.17	-0.005	PASS
Band4	10	20175	50	#0	QPSK	NV	10	-2.22	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	20	7.62	0.004	PASS
Band4	10	20175	50	#0	QPSK	NV	30	-1.33	-0.001	PASS
Band4	10	20175	50	#0	QPSK	NV	40	-0.76	0.000	PASS
Band4	10	20175	50	#0	QPSK	NV	50	1.37	0.001	PASS
Band4	10	20350	50	#0	QPSK	NV	-30	-6.44	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	-20	-0.07	0.000	PASS
Band4	10	20350	50	#0	QPSK	NV	0	3.62	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	10	-6.47	-0.004	PASS
Band4	10	20350	50	#0	QPSK	NV	20	3.96	0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	30	-4.66	-0.003	PASS
Band4	10	20350	50	#0	QPSK	NV	40	-4.15	-0.002	PASS
Band4	10	20350	50	#0	QPSK	NV	50	2.92	0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	-30	-11.64	-0.007	PASS
Band4	15	20025	75	#0	QPSK	NV	-20	-10.91	-0.006	PASS
Band4	15	20025	75	#0	QPSK	NV	0	-3.18	-0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	10	4.28	0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	20	2.72	0.002	PASS
Band4	15	20025	75	#0	QPSK	NV	30	-8.68	-0.005	PASS
Band4	15	20025	75	#0	QPSK	NV	40	0.90	0.001	PASS
Band4	15	20025	75	#0	QPSK	NV	50	0.89	0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	-30	3.71	0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	-20	-1.62	-0.001	PASS
Band4	15	20175	75	#0	QPSK	NV	0	-3.12	-0.002	PASS

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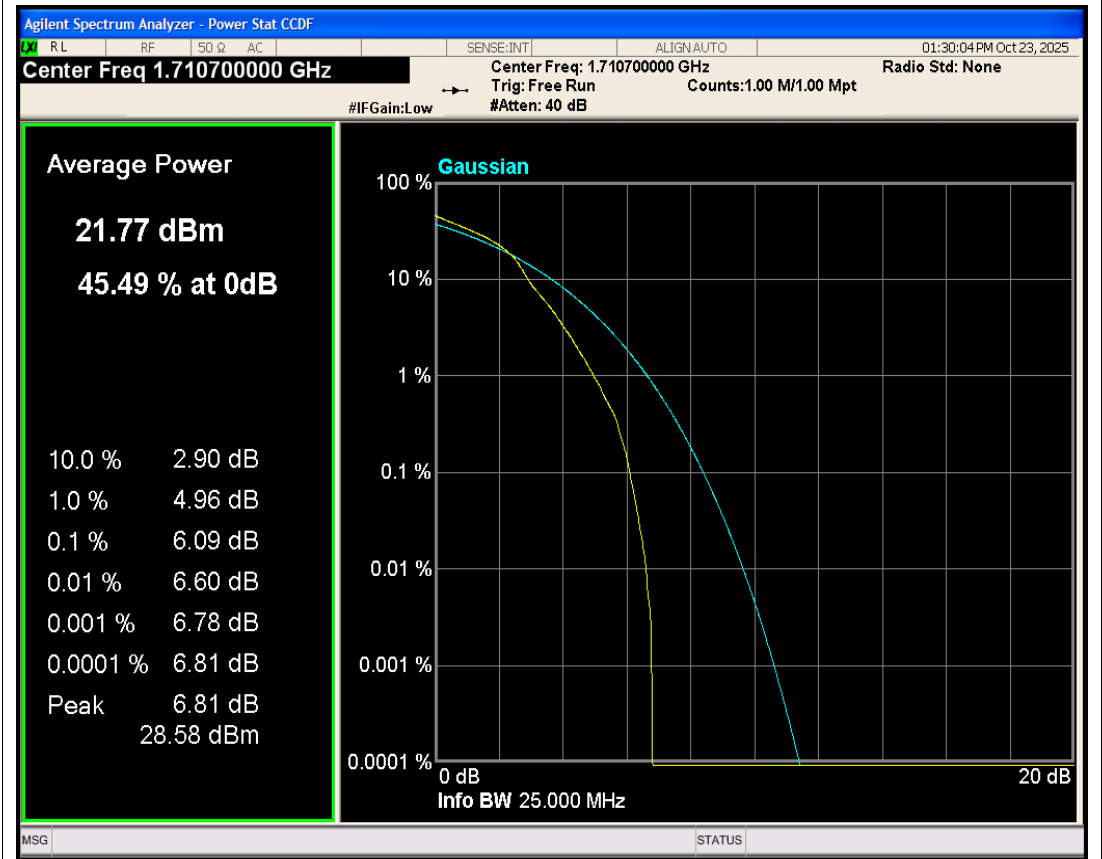
Band4	15	20175	75	#0	QPSK	NV	10	-0.13	0.000	PASS
Band4	15	20175	75	#0	QPSK	NV	20	3.56	0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	30	-4.08	-0.002	PASS
Band4	15	20175	75	#0	QPSK	NV	40	6.48	0.004	PASS
Band4	15	20175	75	#0	QPSK	NV	50	-4.81	-0.003	PASS
Band4	15	20325	75	#0	QPSK	NV	-30	-2.39	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	-20	0.92	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	0	1.16	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	10	-3.35	-0.002	PASS
Band4	15	20325	75	#0	QPSK	NV	20	-2.13	-0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	30	1.56	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	40	1.22	0.001	PASS
Band4	15	20325	75	#0	QPSK	NV	50	-0.10	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	-30	-18.54	-0.011	PASS
Band4	20	20050	100	#0	QPSK	NV	-20	-6.68	-0.004	PASS
Band4	20	20050	100	#0	QPSK	NV	0	-4.21	-0.002	PASS
Band4	20	20050	100	#0	QPSK	NV	10	5.54	0.003	PASS
Band4	20	20050	100	#0	QPSK	NV	20	0.04	0.000	PASS
Band4	20	20050	100	#0	QPSK	NV	30	-1.89	-0.001	PASS
Band4	20	20050	100	#0	QPSK	NV	40	-13.28	-0.008	PASS
Band4	20	20050	100	#0	QPSK	NV	50	-0.44	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	-30	-0.83	0.000	PASS
Band4	20	20175	100	#0	QPSK	NV	-20	-9.16	-0.005	PASS
Band4	20	20175	100	#0	QPSK	NV	0	1.73	0.001	PASS
Band4	20	20175	100	#0	QPSK	NV	10	4.02	0.002	PASS
Band4	20	20175	100	#0	QPSK	NV	20	4.86	0.003	PASS
Band4	20	20175	100	#0	QPSK	NV	30	-13.90	-0.008	PASS
Band4	20	20175	100	#0	QPSK	NV	40	-11.90	-0.007	PASS
Band4	20	20175	100	#0	QPSK	NV	50	2.50	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-30	2.43	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	-20	2.92	0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	0	1.67	0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	10	4.19	0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	20	-3.22	-0.002	PASS
Band4	20	20300	100	#0	QPSK	NV	30	-0.59	0.000	PASS
Band4	20	20300	100	#0	QPSK	NV	40	-0.90	-0.001	PASS
Band4	20	20300	100	#0	QPSK	NV	50	-7.97	-0.005	PASS

Appendix 3. Peak-to-Average Ratio

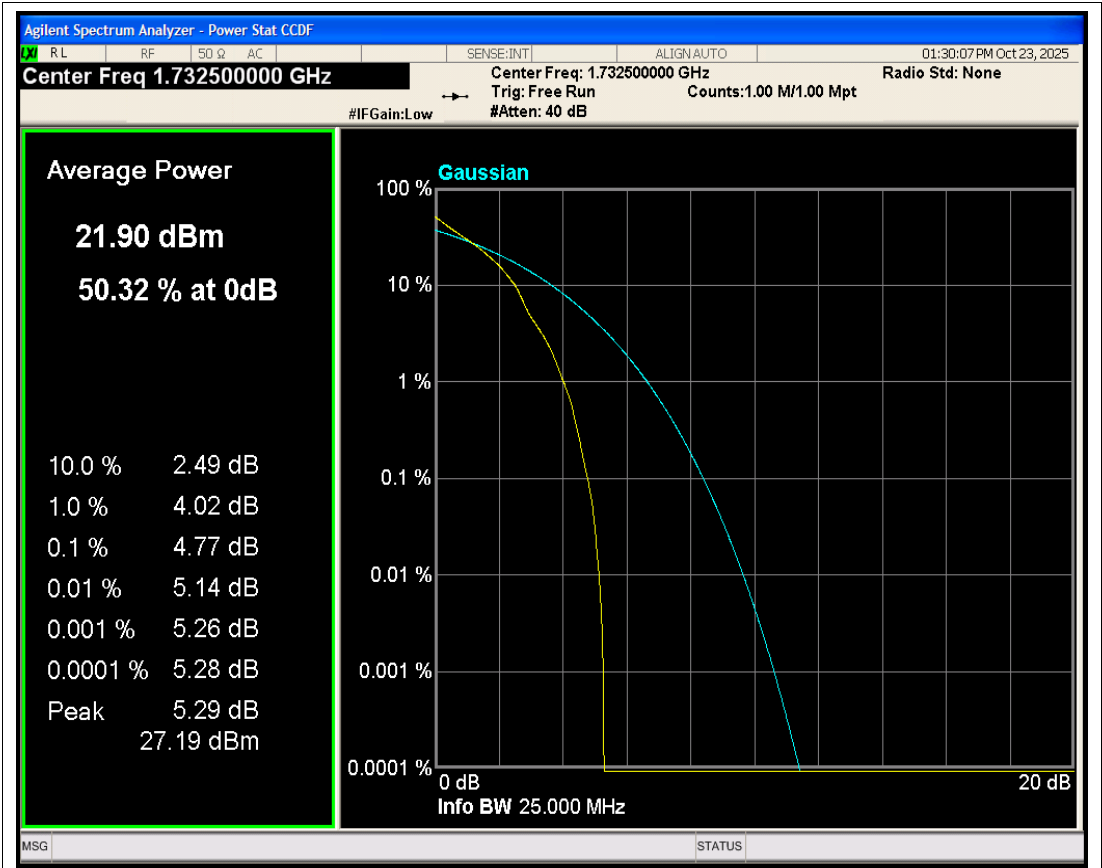
<i>Band</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Size</i>	<i>RB Position</i>	<i>Modulation</i>	<i>Result (dB)</i>	<i>high Limit (dB)</i>	<i>Verdict</i>
Band4	1.4	19957	1	#0	QPSK	5.39	13	PASS
Band4	1.4	19957	1	#0	16QAM	6.09	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.77	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.93	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.86	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.52	13	PASS
Band4	3	19965	1	#0	QPSK	5.40	13	PASS
Band4	3	19965	1	#0	16QAM	6.20	13	PASS
Band4	3	20175	1	#0	QPSK	4.91	13	PASS
Band4	3	20175	1	#0	16QAM	5.90	13	PASS
Band4	3	20385	1	#0	QPSK	4.87	13	PASS
Band4	3	20385	1	#0	16QAM	5.55	13	PASS
Band4	5	19975	1	#0	QPSK	5.47	13	PASS
Band4	5	19975	1	#0	16QAM	5.92	13	PASS
Band4	5	20175	1	#0	QPSK	4.81	13	PASS
Band4	5	20175	1	#0	16QAM	5.39	13	PASS
Band4	5	20375	1	#0	QPSK	5.22	13	PASS
Band4	5	20375	1	#0	16QAM	5.86	13	PASS
Band4	10	20000	1	#0	QPSK	5.20	13	PASS
Band4	10	20175	1	#0	QPSK	5.18	13	PASS
Band4	10	20350	1	#0	QPSK	5.13	13	PASS
Band4	15	20025	1	#0	QPSK	5.23	13	PASS
Band4	15	20175	1	#0	QPSK	5.32	13	PASS
Band4	15	20325	1	#0	QPSK	5.20	13	PASS
Band4	20	20050	1	#0	QPSK	5.07	13	PASS
Band4	20	20175	1	#0	QPSK	5.48	13	PASS
Band4	20	20300	1	#0	QPSK	4.96	13	PASS



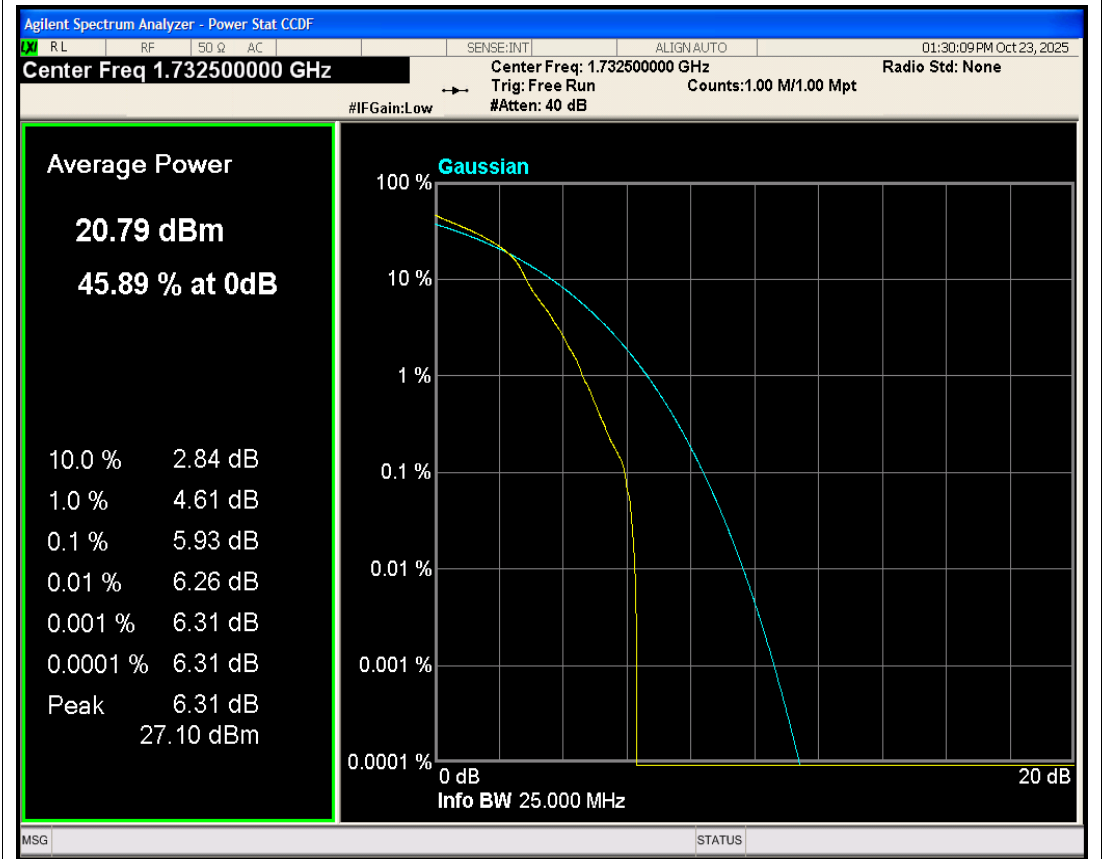
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



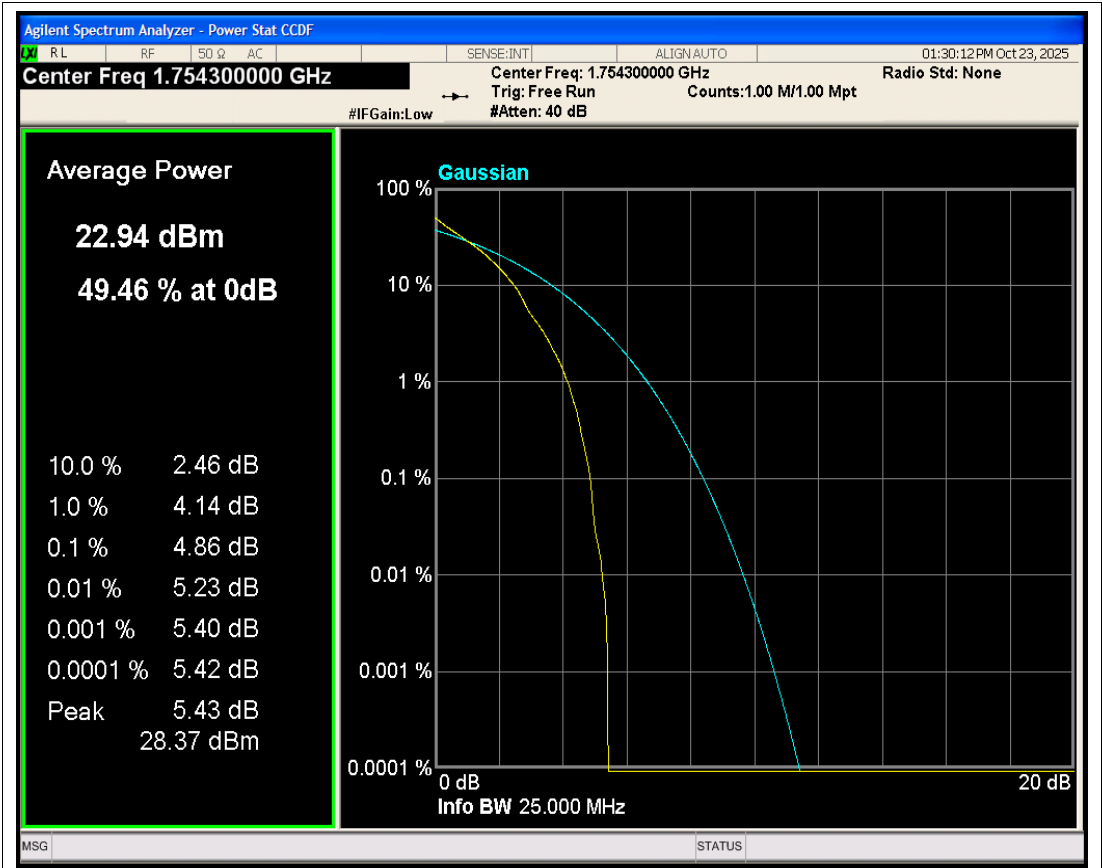
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



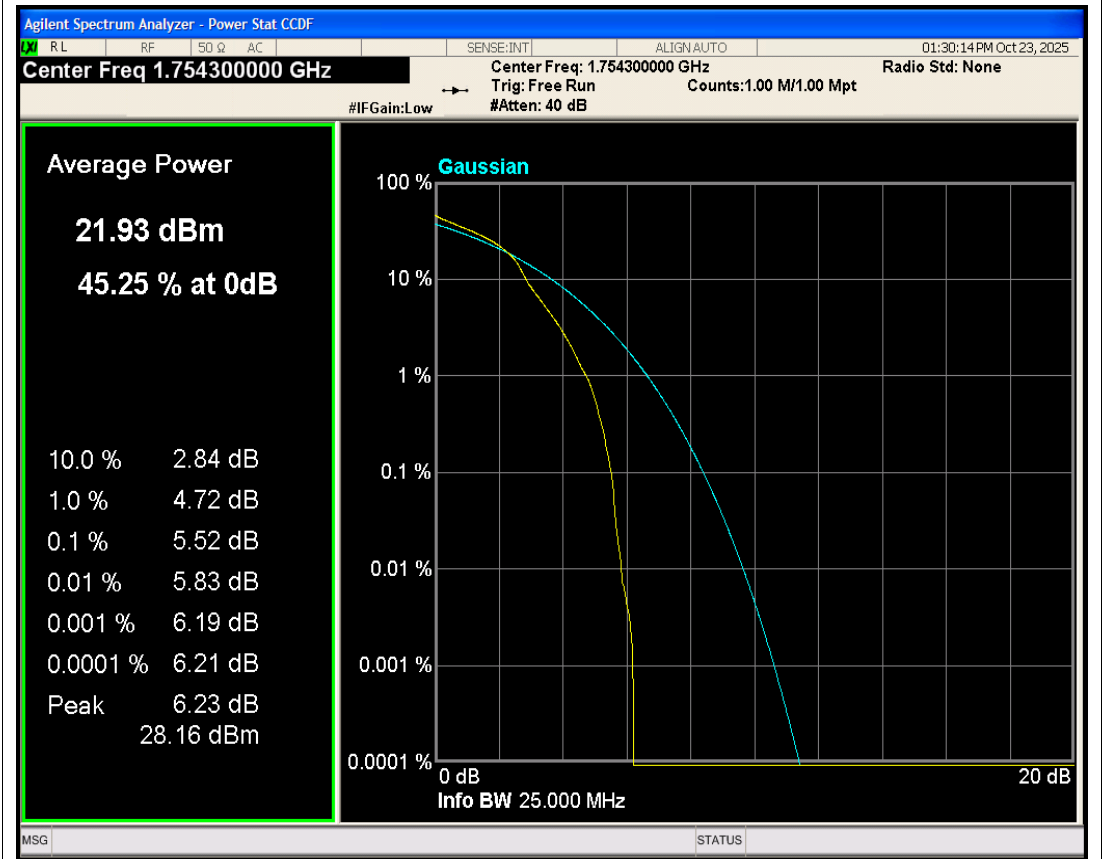
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



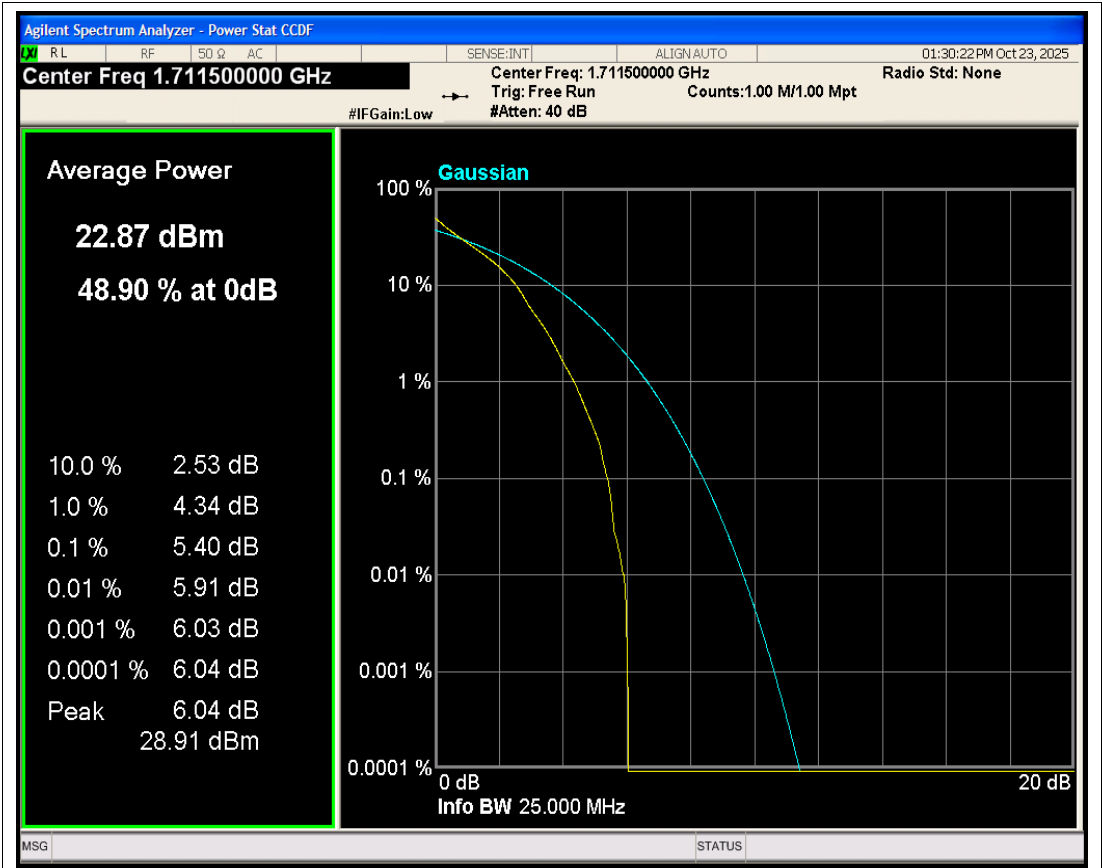
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



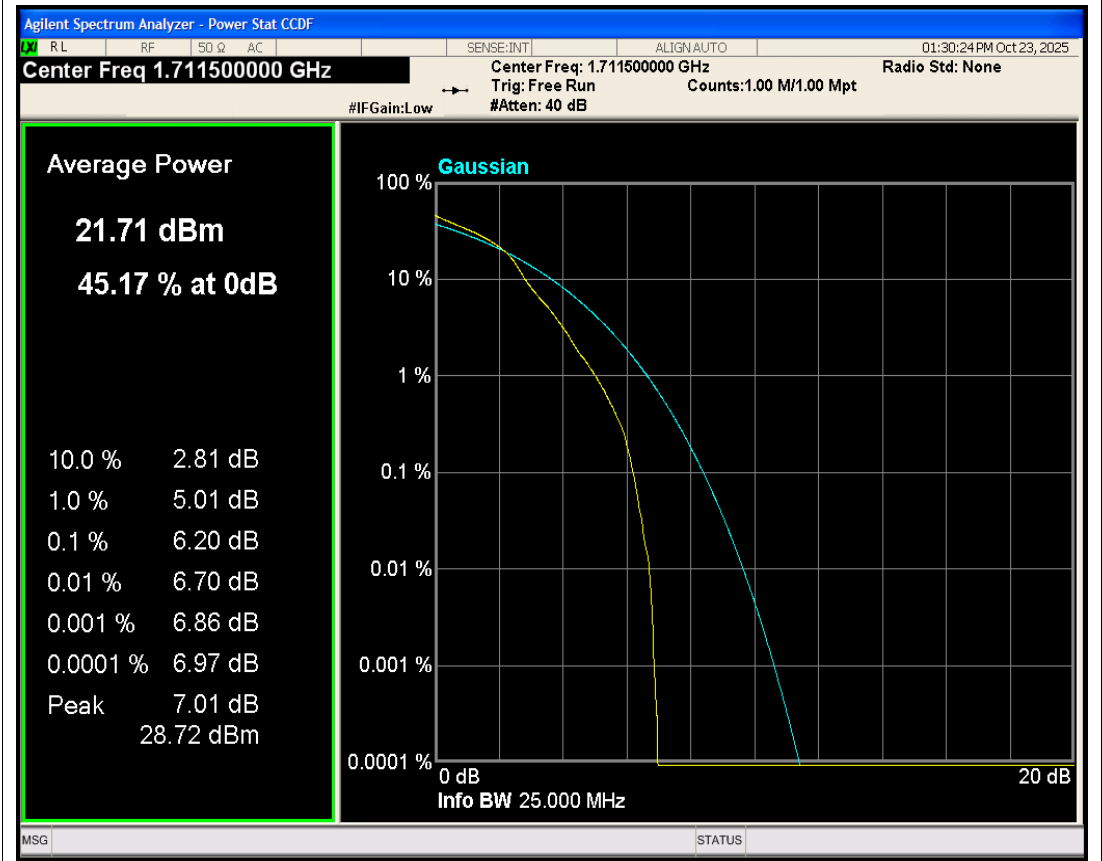
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



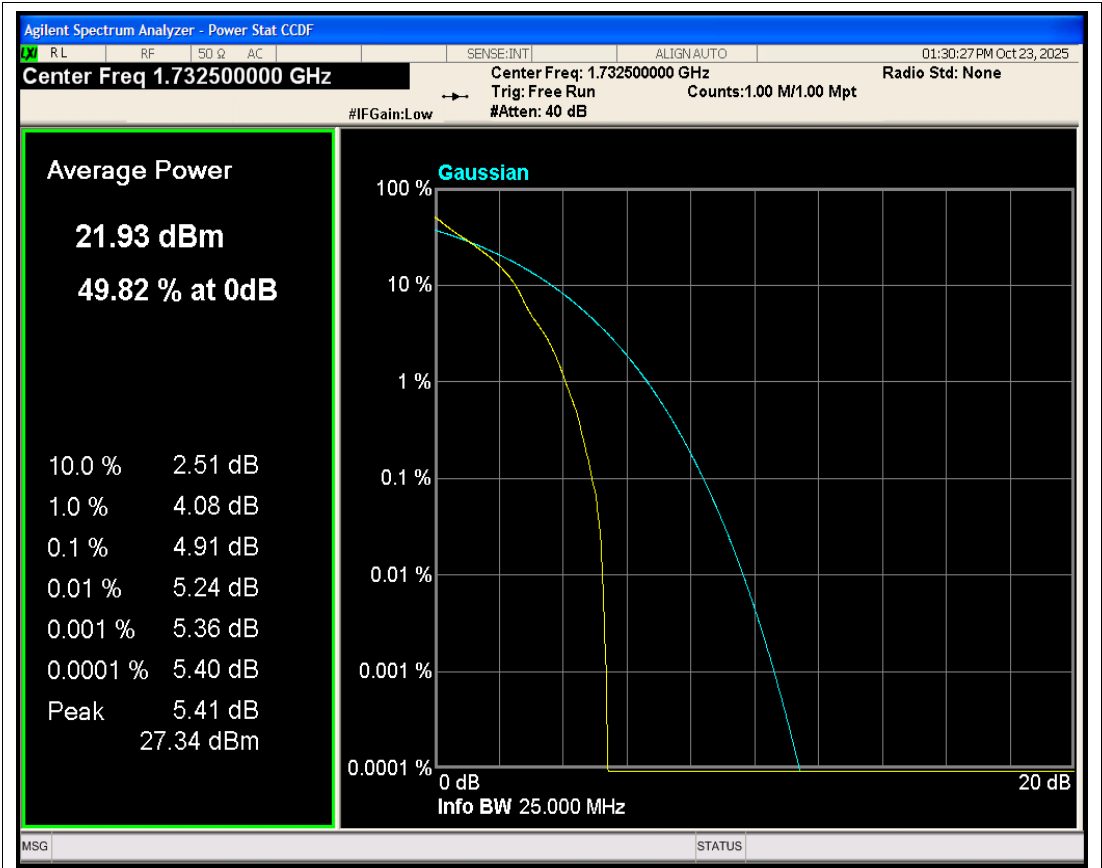
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



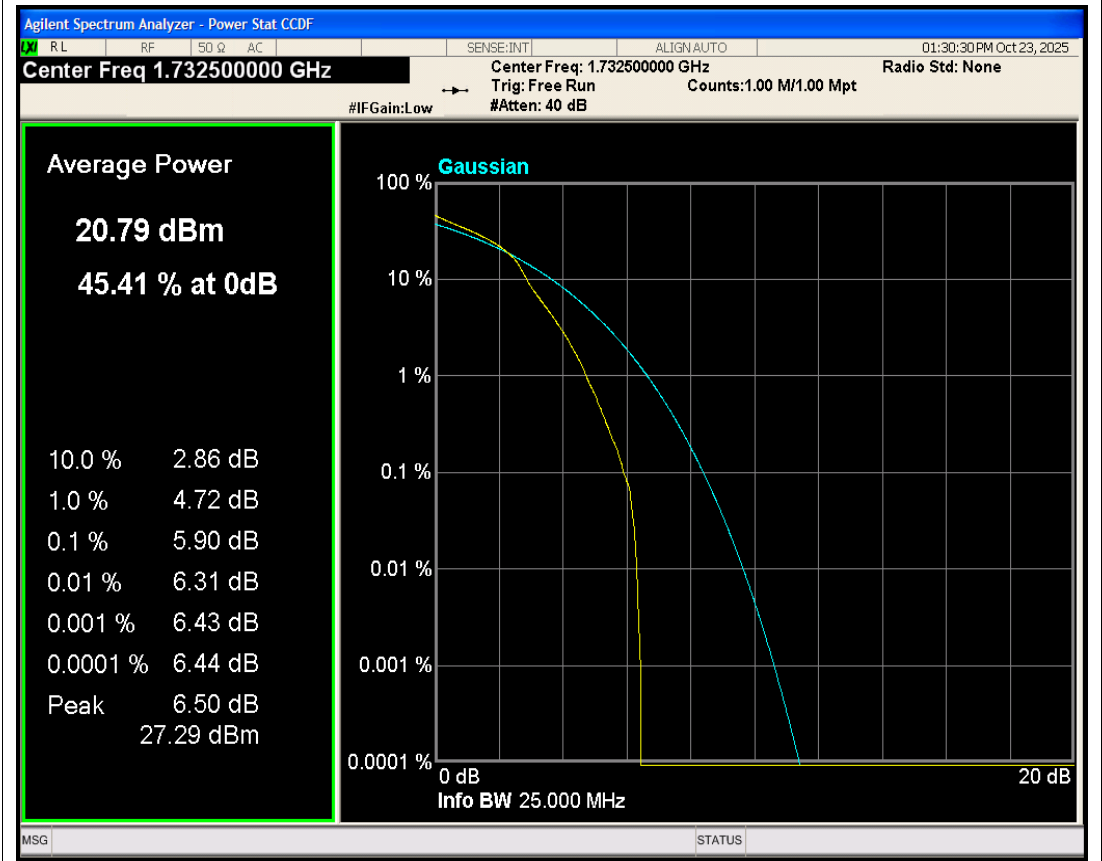
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



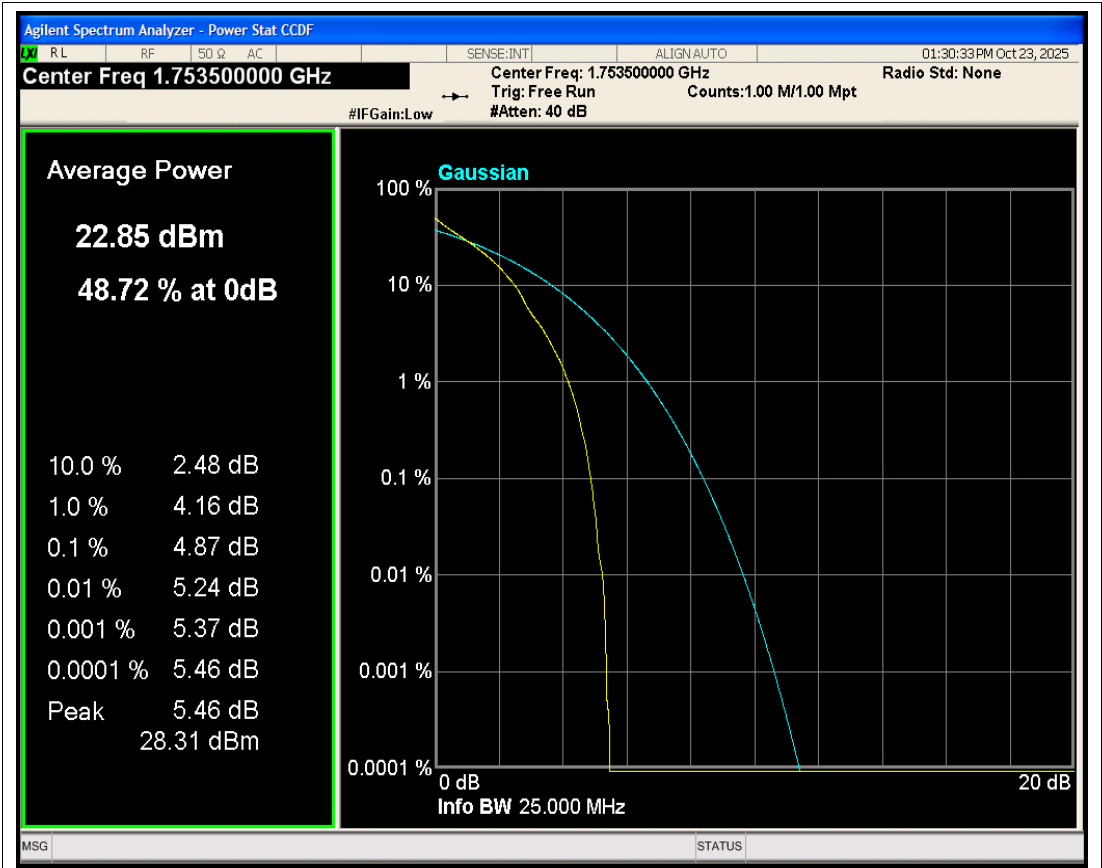
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



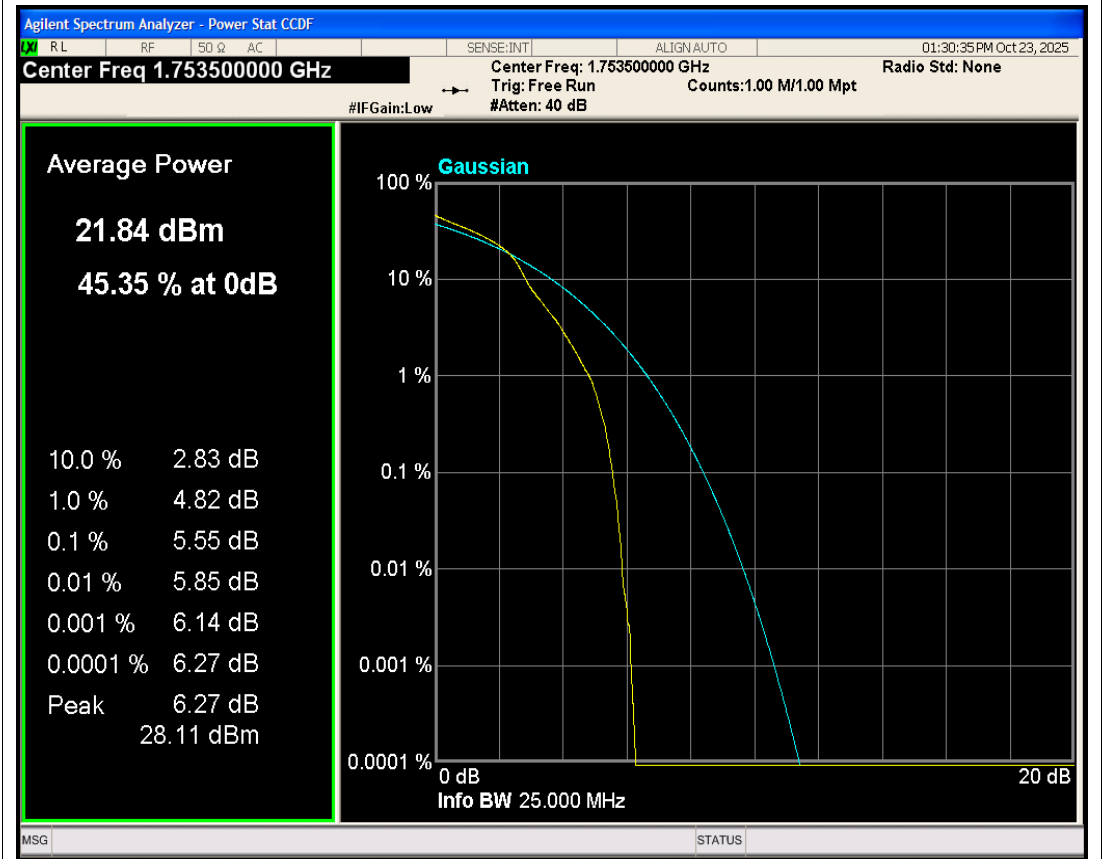
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



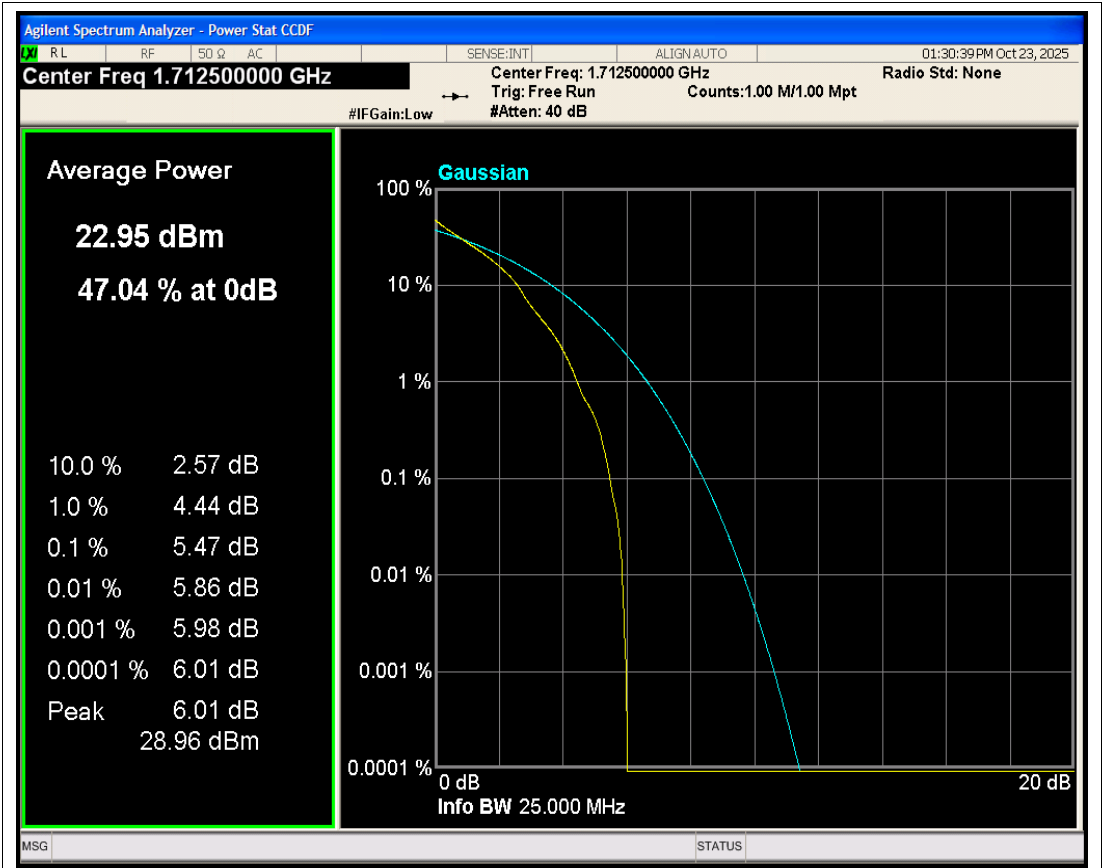
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



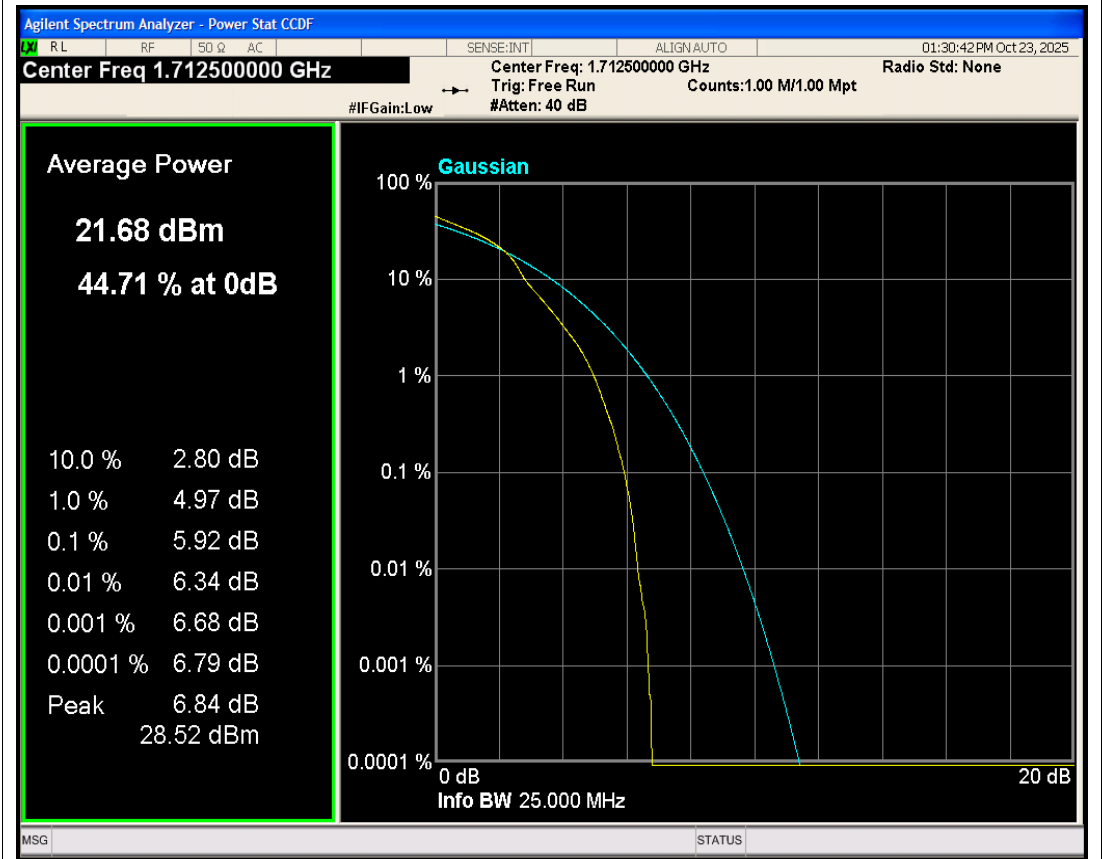
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



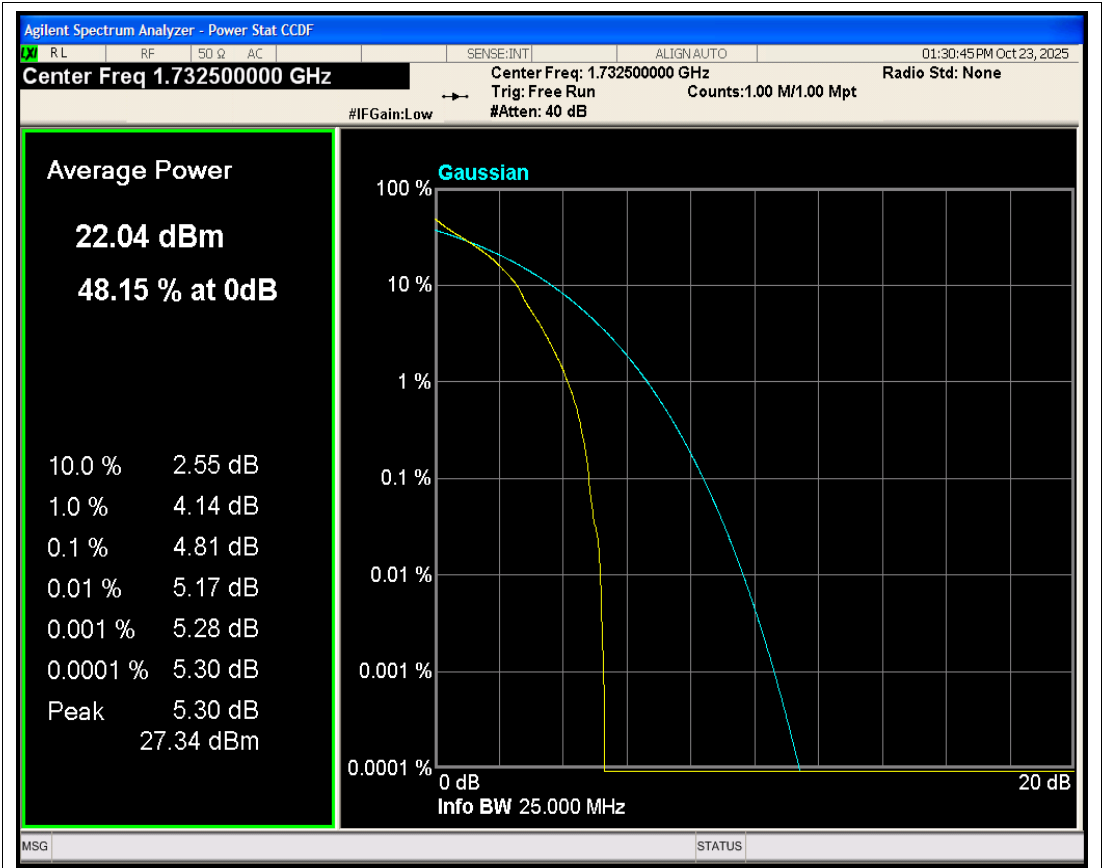
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



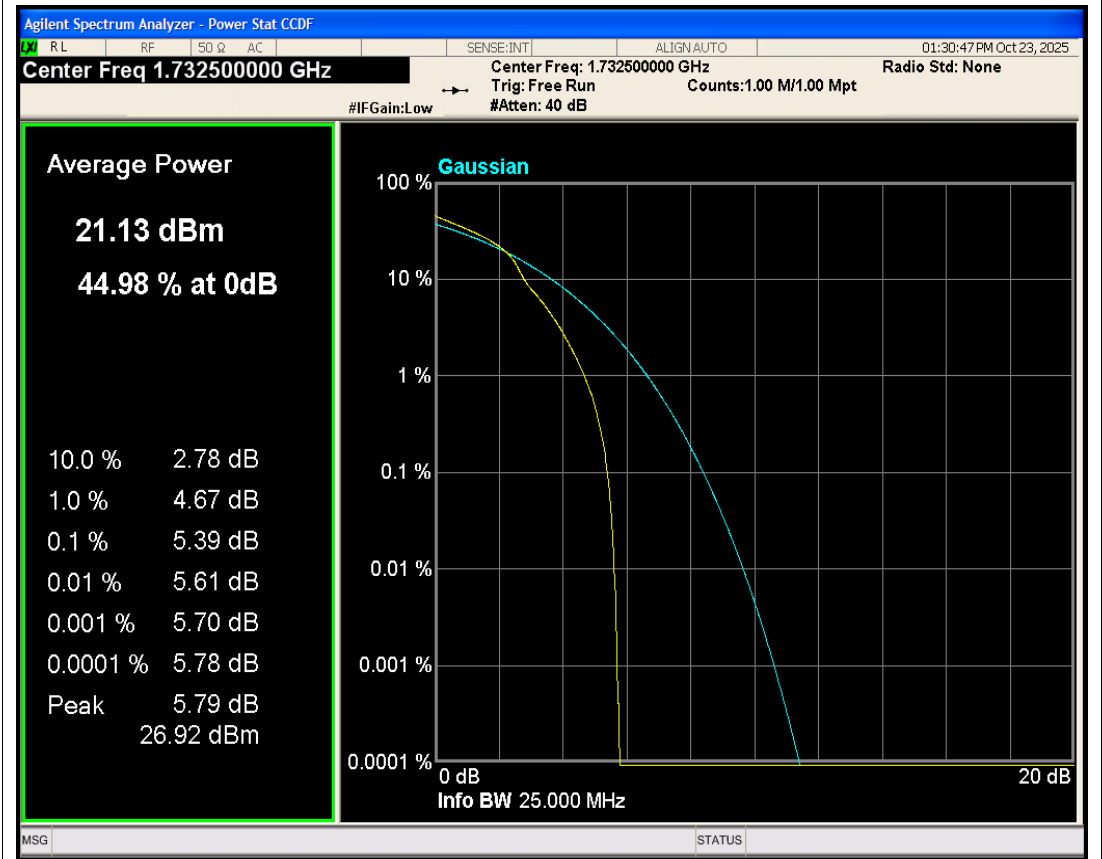
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



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

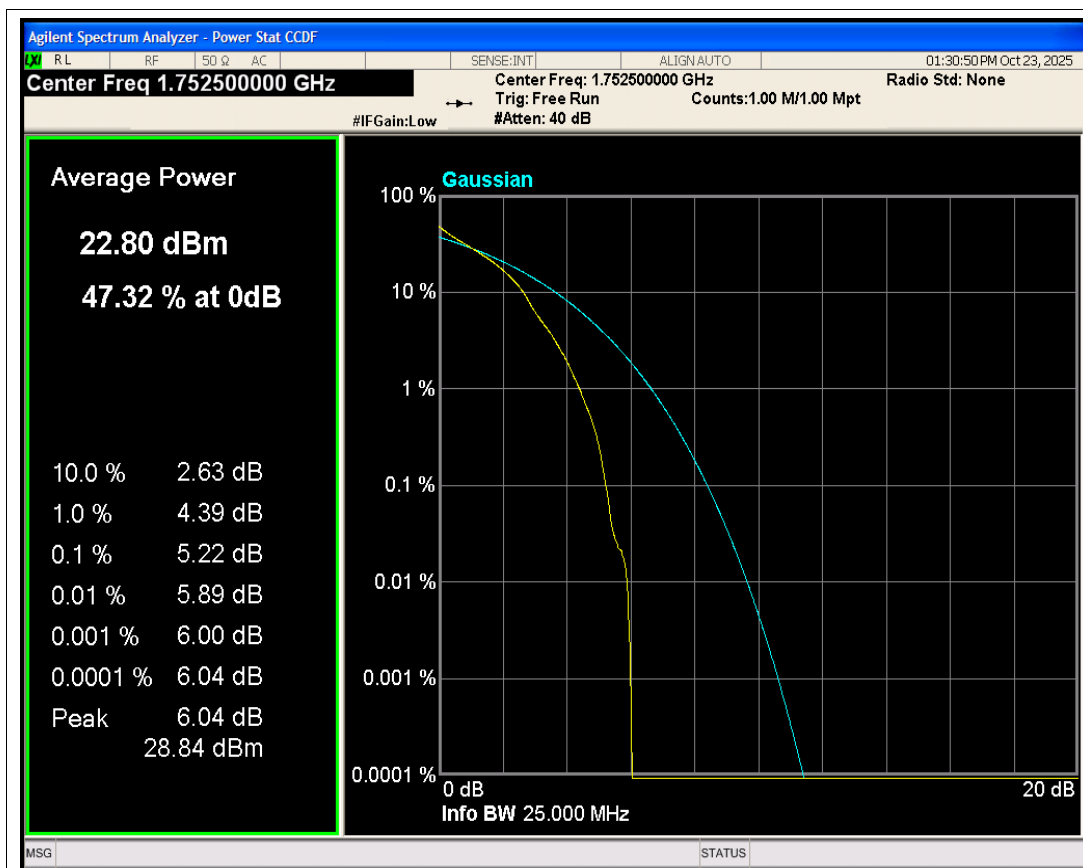


Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

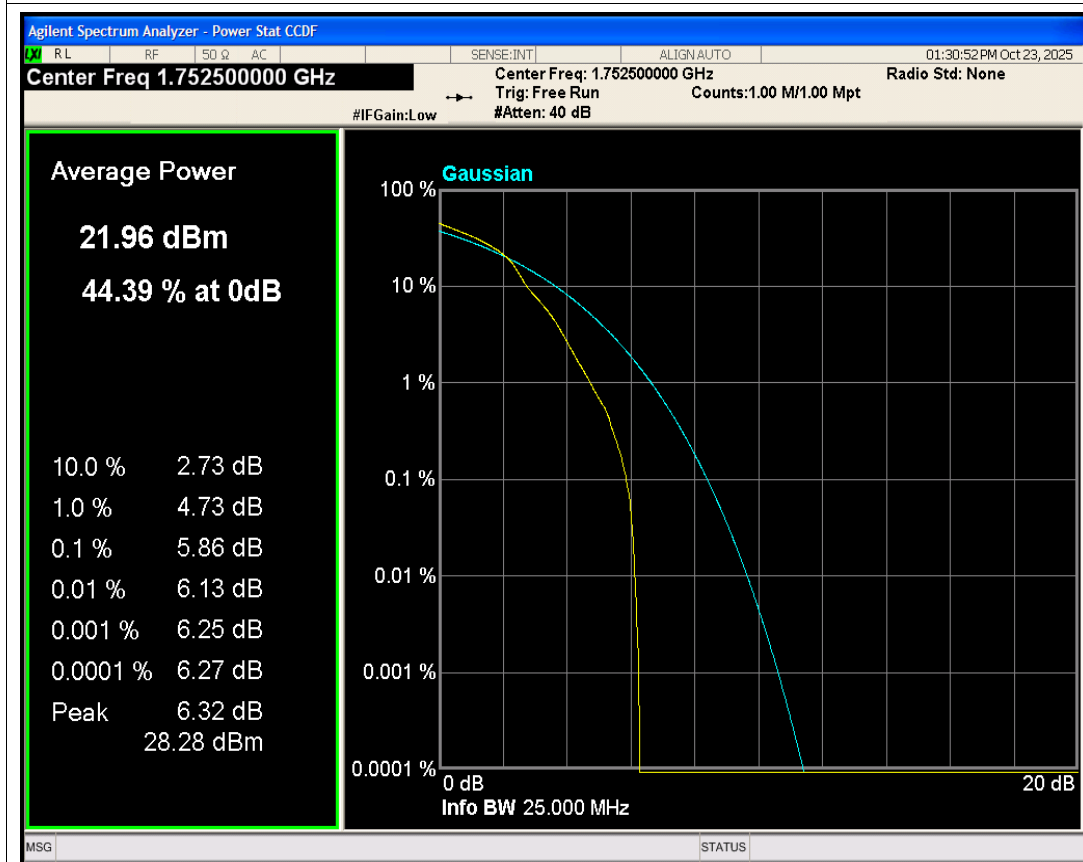


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

Report No.: STS2512370W01_Appendix LTE Band 4

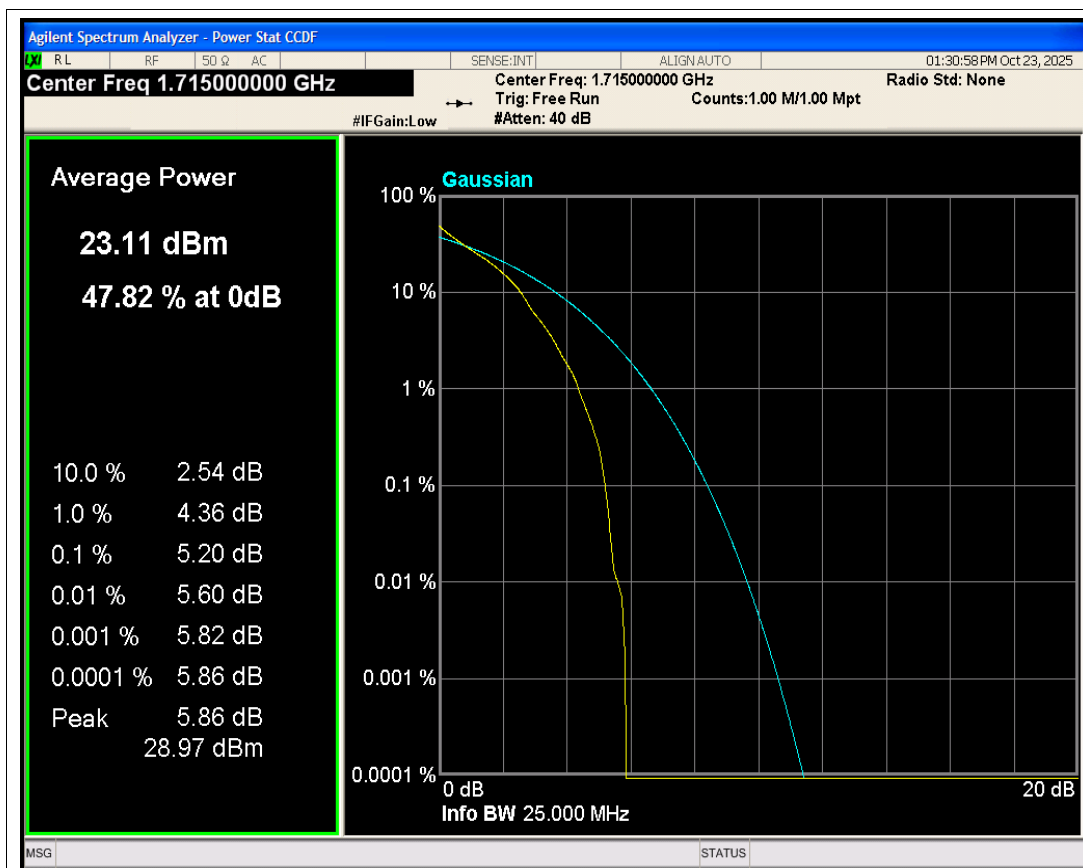


Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

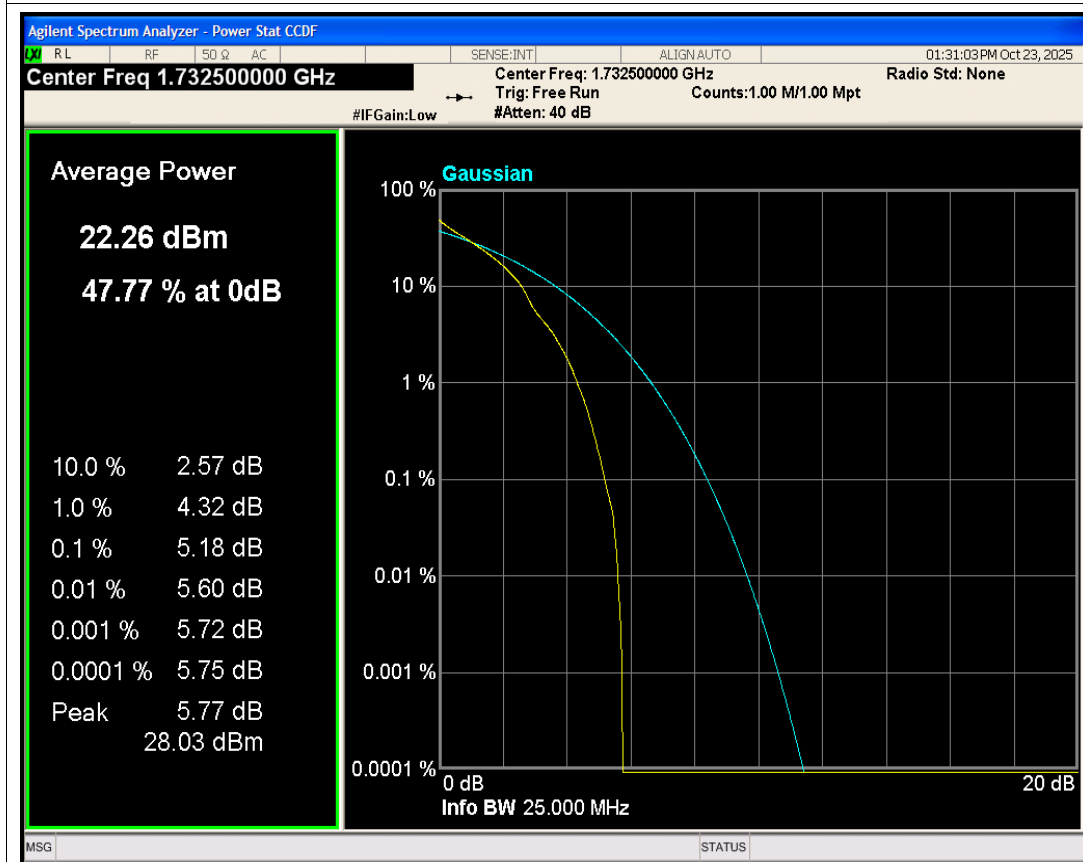


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

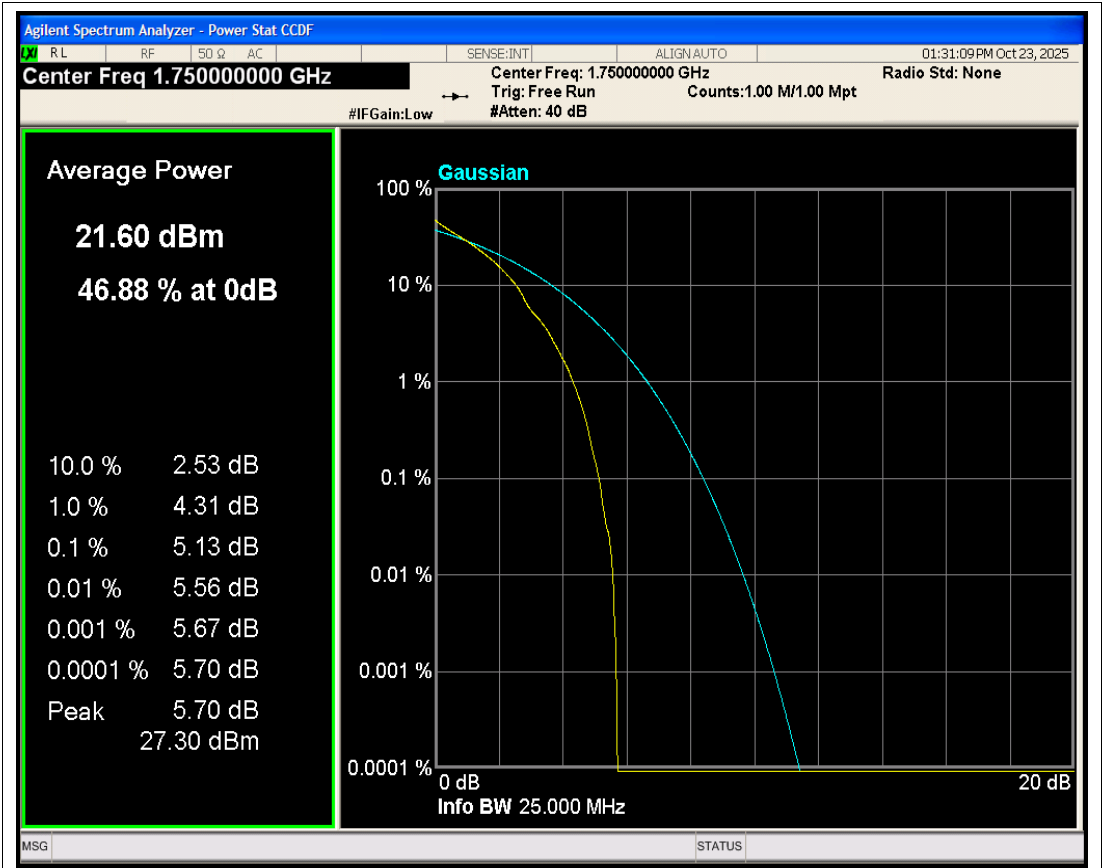
Report No.: STS2512370W01_Appendix LTE Band 4



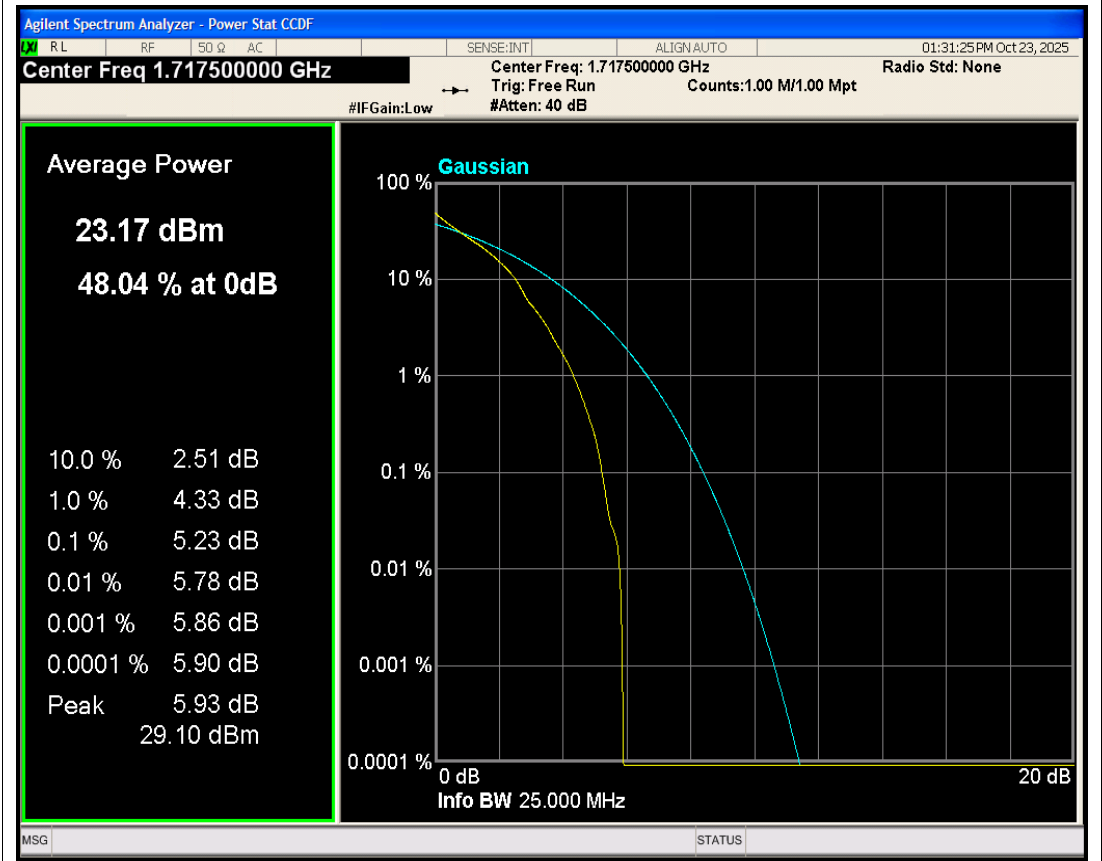
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



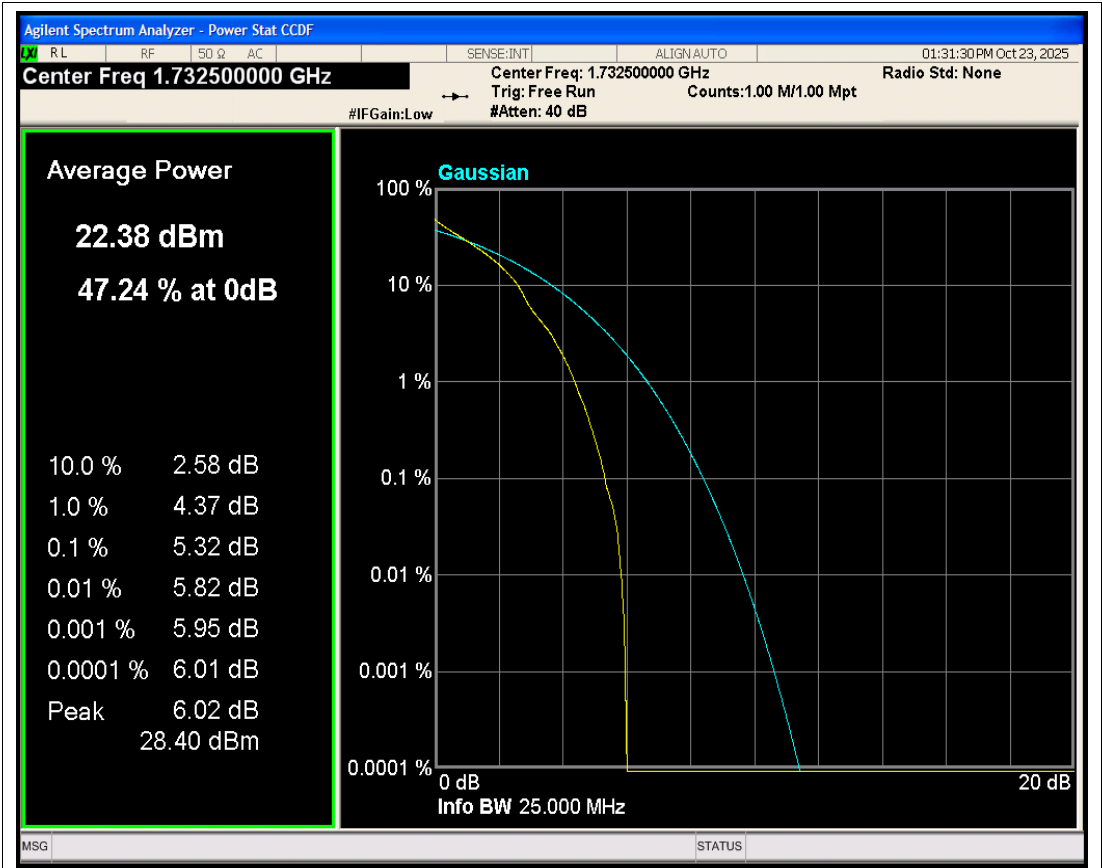
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



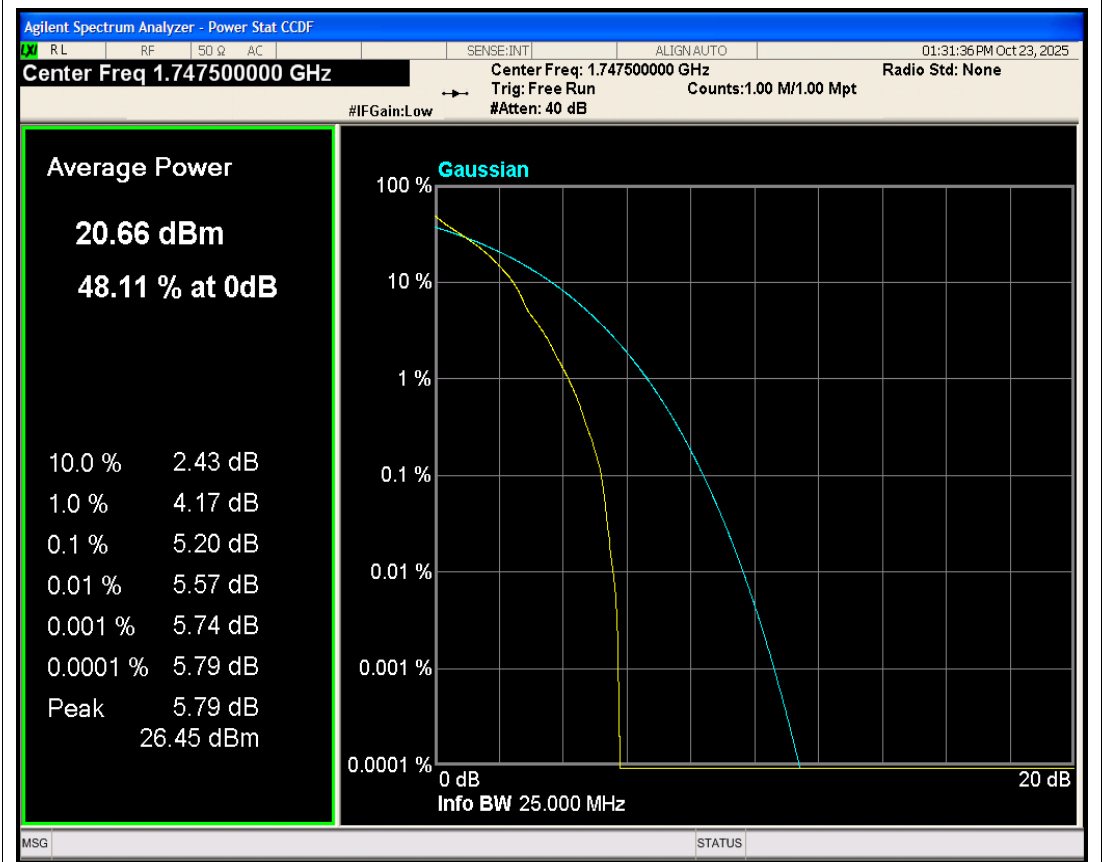
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



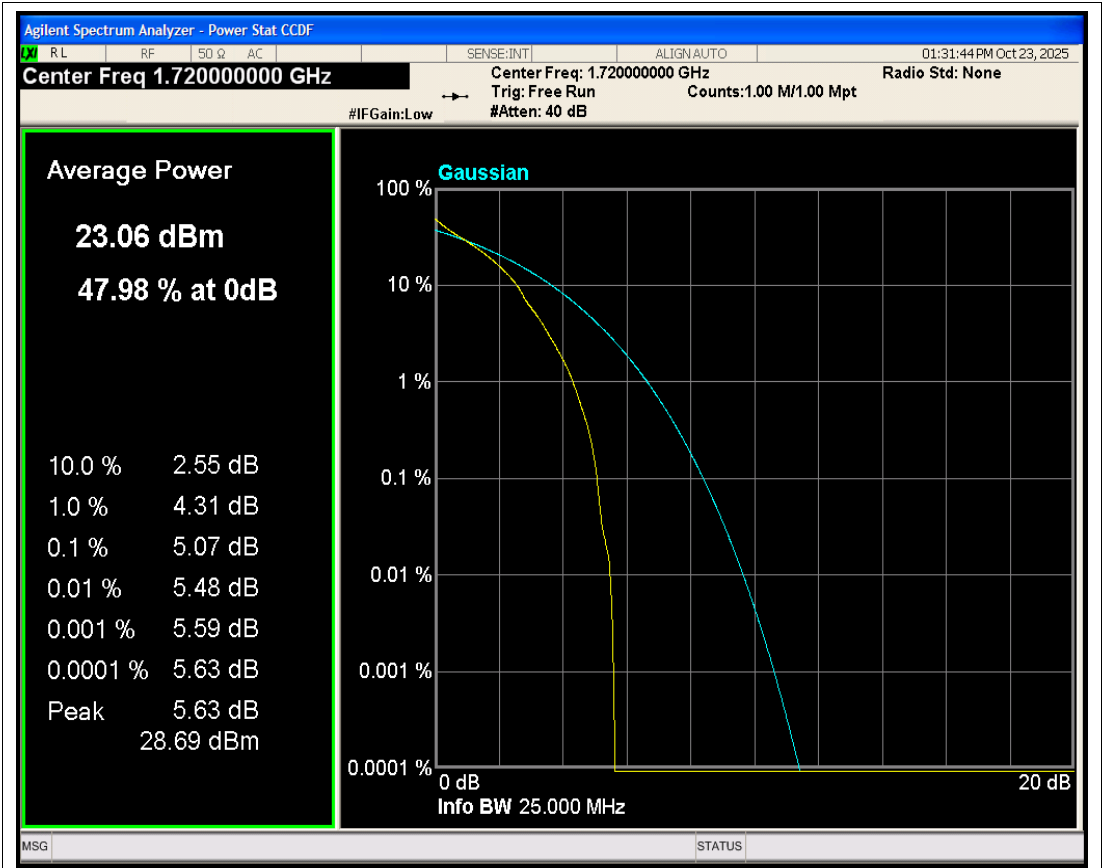
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



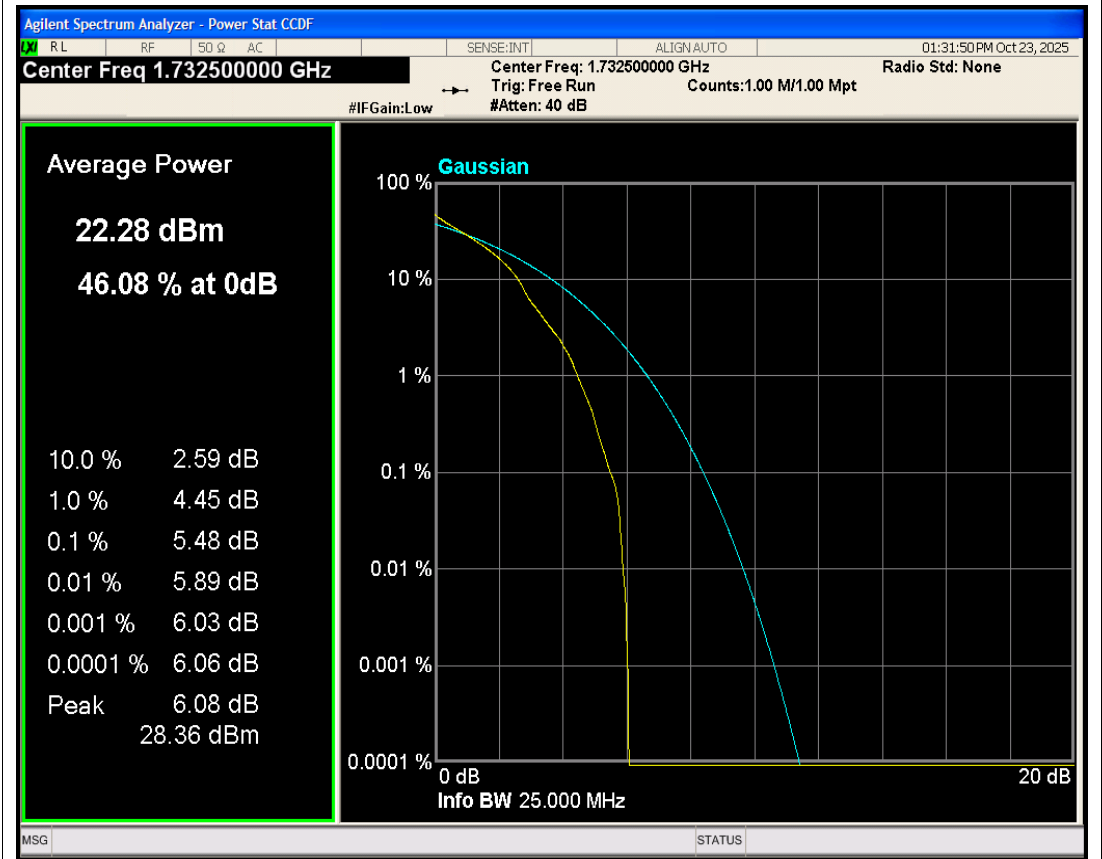
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



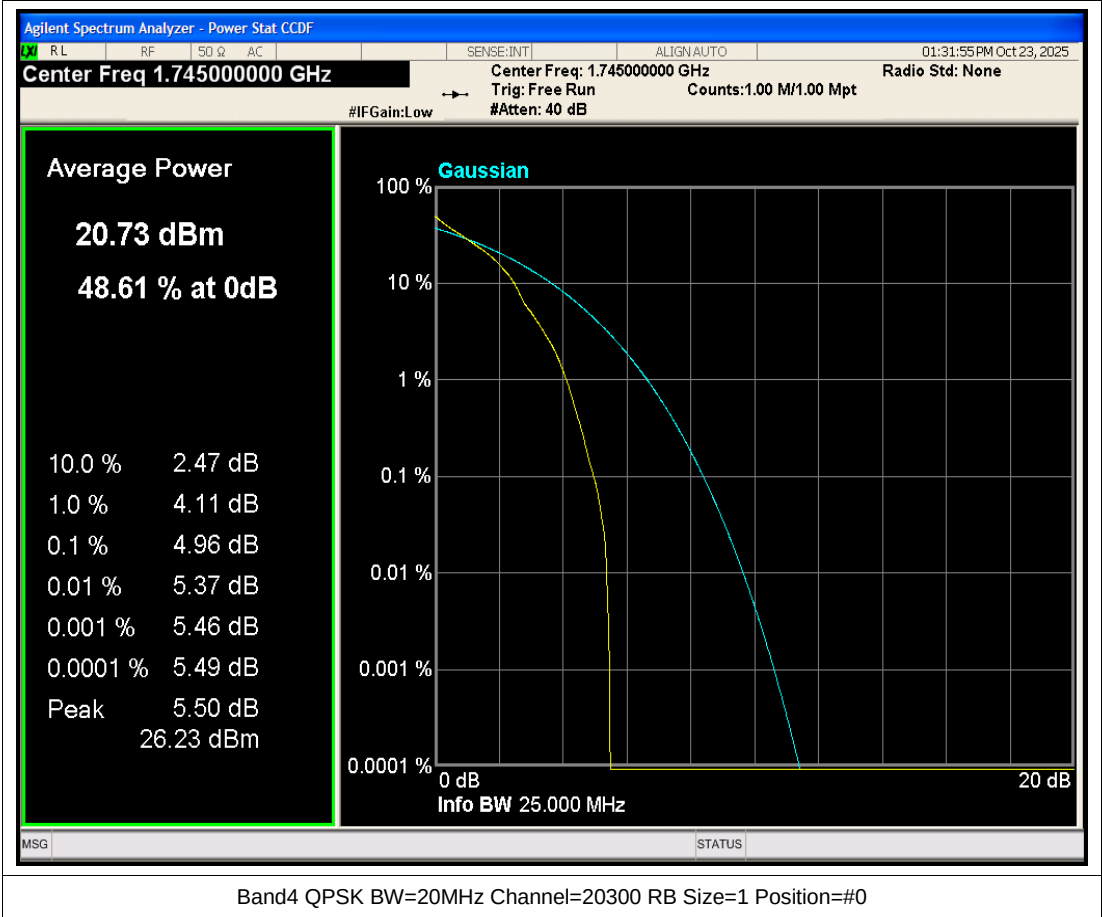
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



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



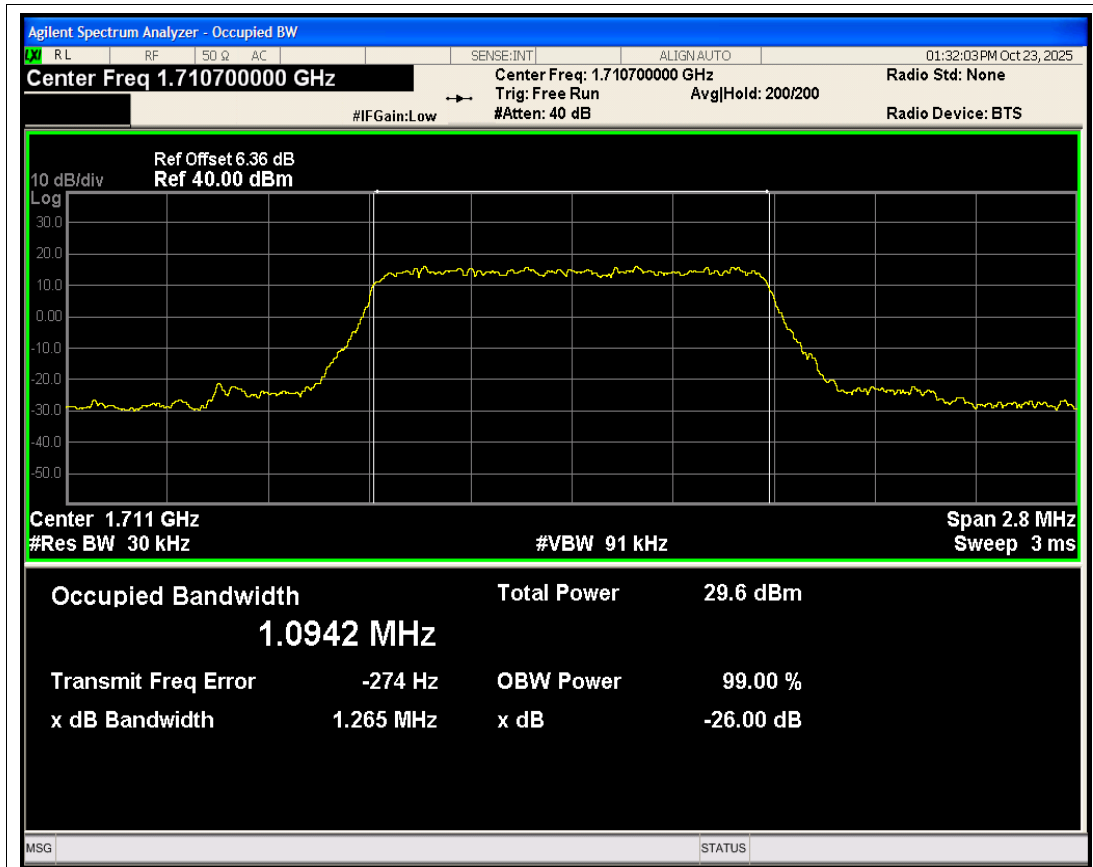
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



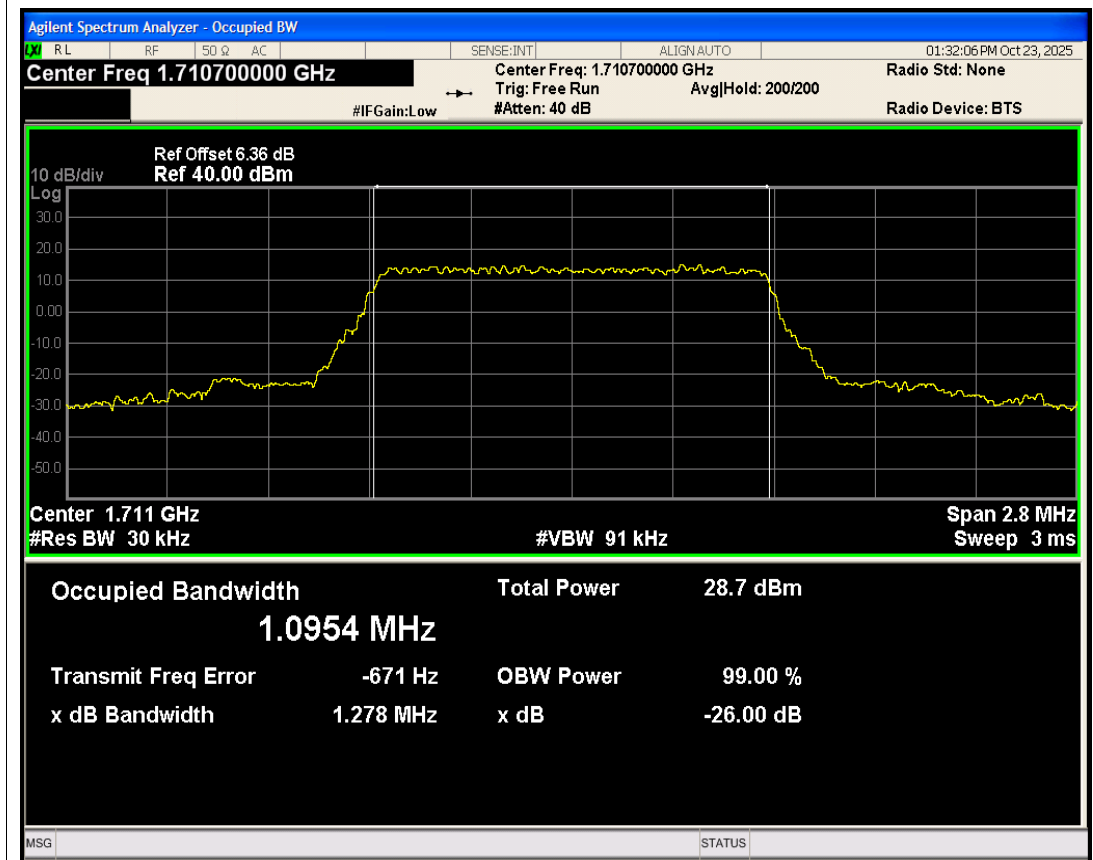
Appendix 4.Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.094	1.265	PASS
Band4	1.4	19957	6	#0	16QAM	1.095	1.278	PASS
Band4	1.4	20175	6	#0	QPSK	1.095	1.273	PASS
Band4	1.4	20175	6	#0	16QAM	1.087	1.246	PASS
Band4	1.4	20393	6	#0	QPSK	1.103	1.262	PASS
Band4	1.4	20393	6	#0	16QAM	1.094	1.257	PASS
Band4	3	19965	15	#0	QPSK	2.688	2.938	PASS
Band4	3	19965	15	#0	16QAM	2.700	2.932	PASS
Band4	3	20175	15	#0	QPSK	2.699	2.934	PASS
Band4	3	20175	15	#0	16QAM	2.702	2.952	PASS
Band4	3	20385	15	#0	QPSK	2.691	2.923	PASS
Band4	3	20385	15	#0	16QAM	2.691	2.939	PASS
Band4	5	19975	25	#0	QPSK	4.516	4.961	PASS
Band4	5	19975	25	#0	16QAM	4.515	4.873	PASS
Band4	5	20175	25	#0	QPSK	4.508	4.909	PASS
Band4	5	20175	25	#0	16QAM	4.509	4.918	PASS
Band4	5	20375	25	#0	QPSK	4.500	4.916	PASS
Band4	5	20375	25	#0	16QAM	4.512	4.911	PASS
Band4	10	20000	50	#0	QPSK	8.965	9.792	PASS
Band4	10	20175	50	#0	QPSK	8.972	9.739	PASS
Band4	10	20350	50	#0	QPSK	8.946	9.600	PASS
Band4	15	20025	75	#0	QPSK	13.463	14.487	PASS
Band4	15	20175	75	#0	QPSK	13.421	14.410	PASS
Band4	15	20325	75	#0	QPSK	13.468	14.427	PASS
Band4	20	20050	100	#0	QPSK	17.881	19.083	PASS
Band4	20	20175	100	#0	QPSK	17.893	19.180	PASS
Band4	20	20300	100	#0	QPSK	17.914	19.013	PASS

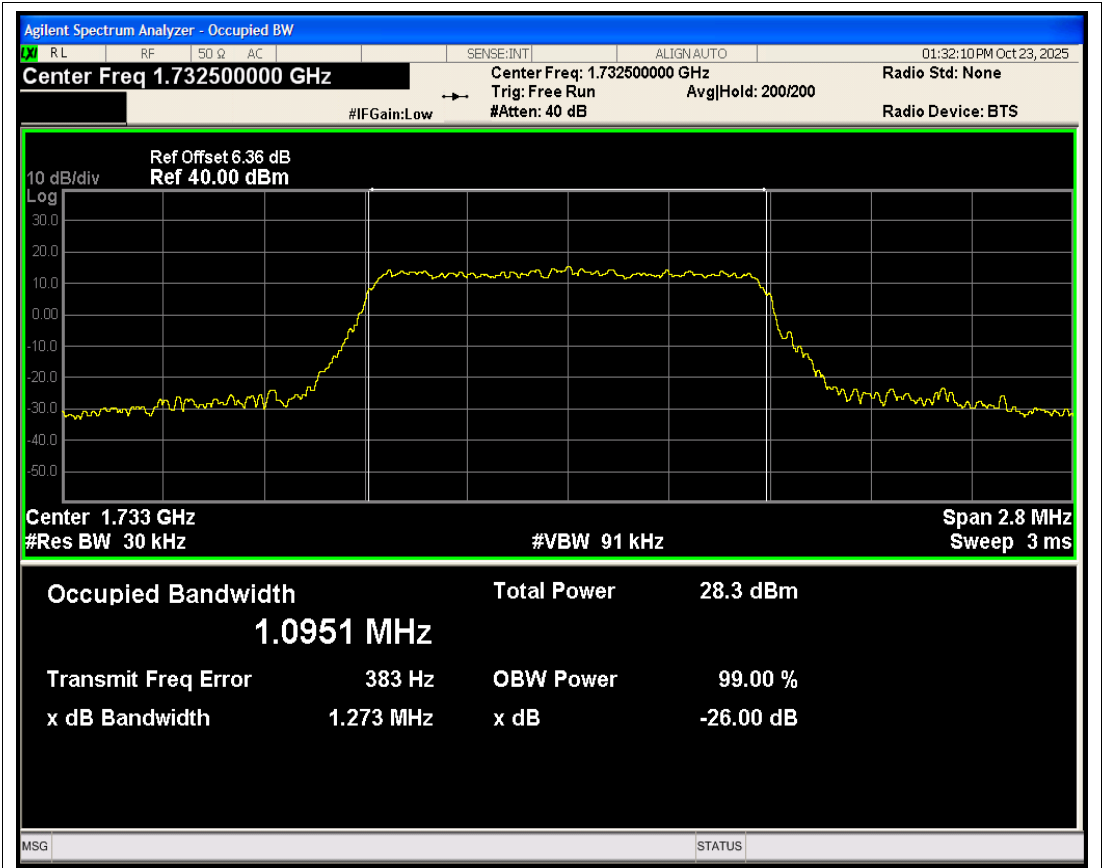
Report No.: STS2512370W01_Appendix LTE Band 4



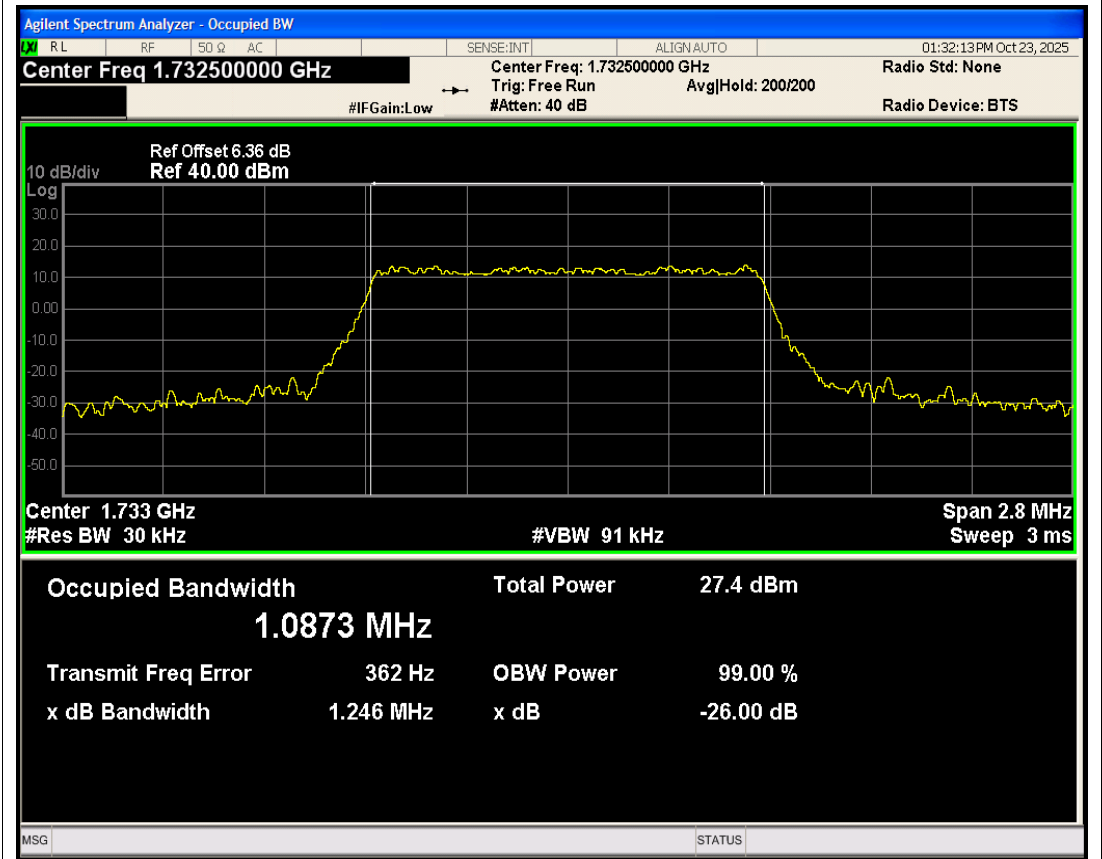
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



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

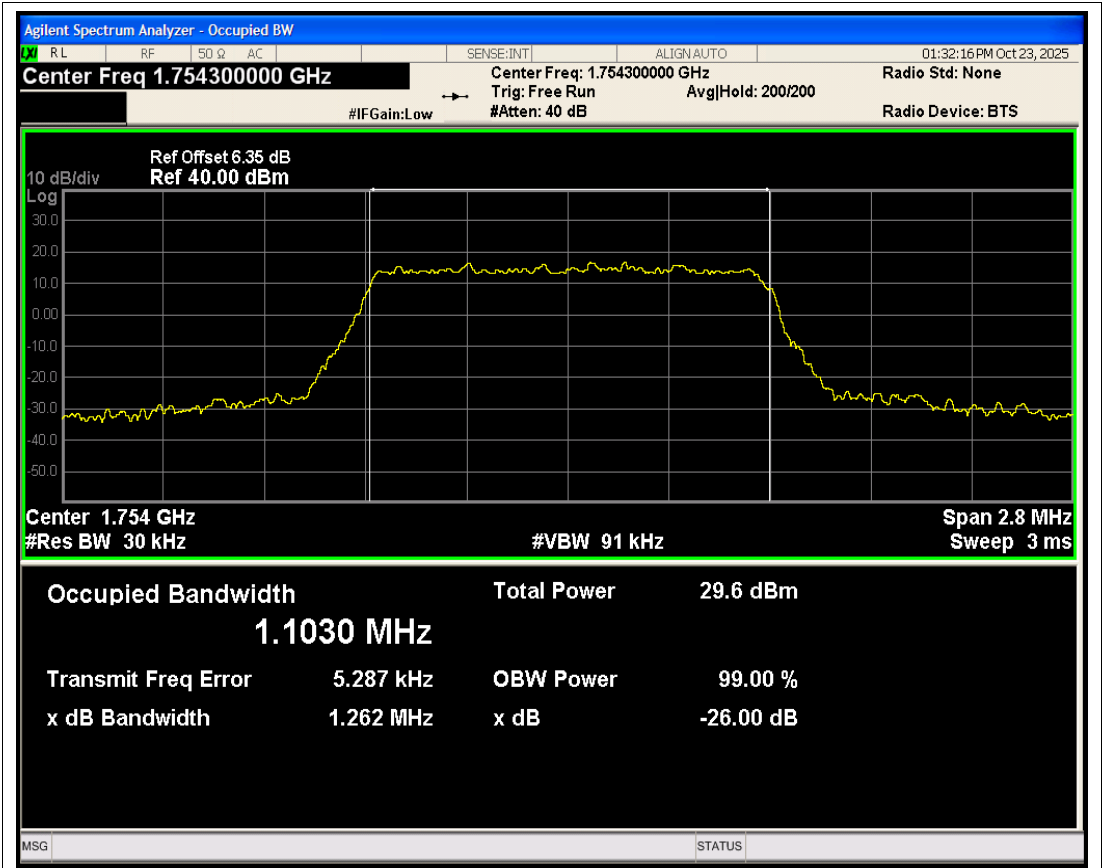


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

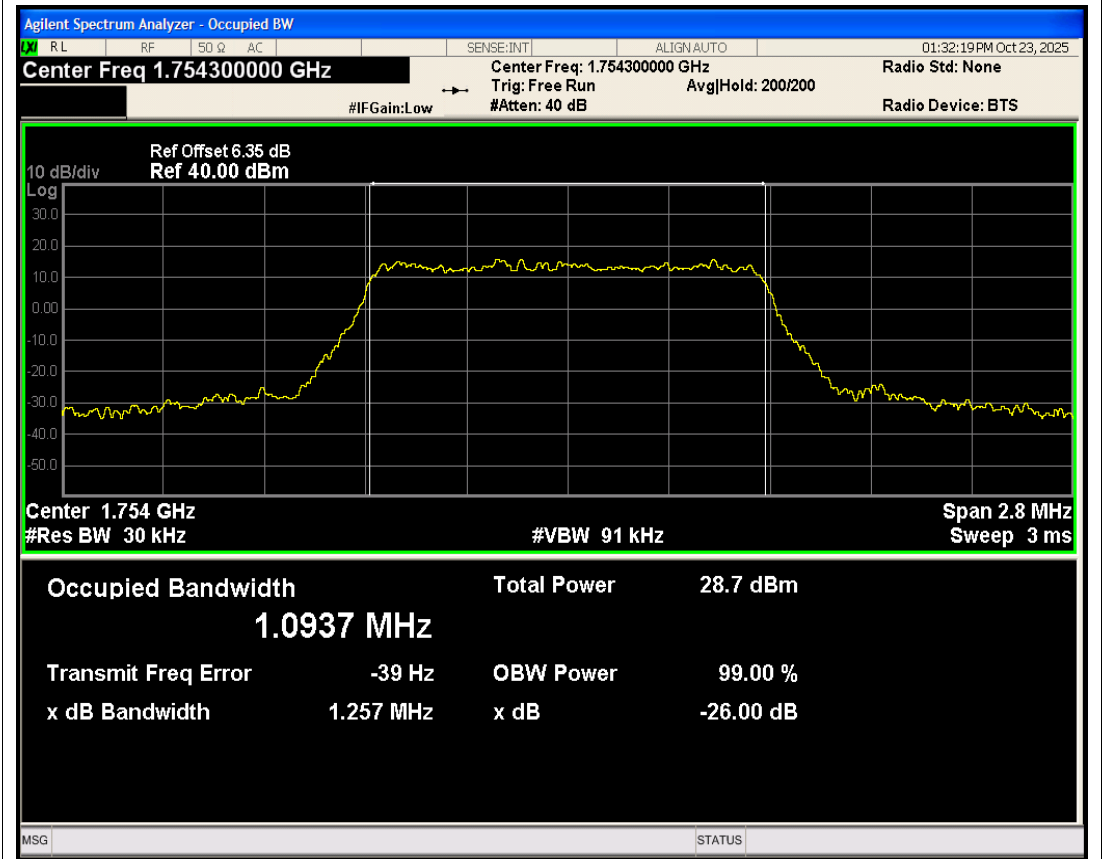


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

Report No.: STS2512370W01_Appendix LTE Band 4

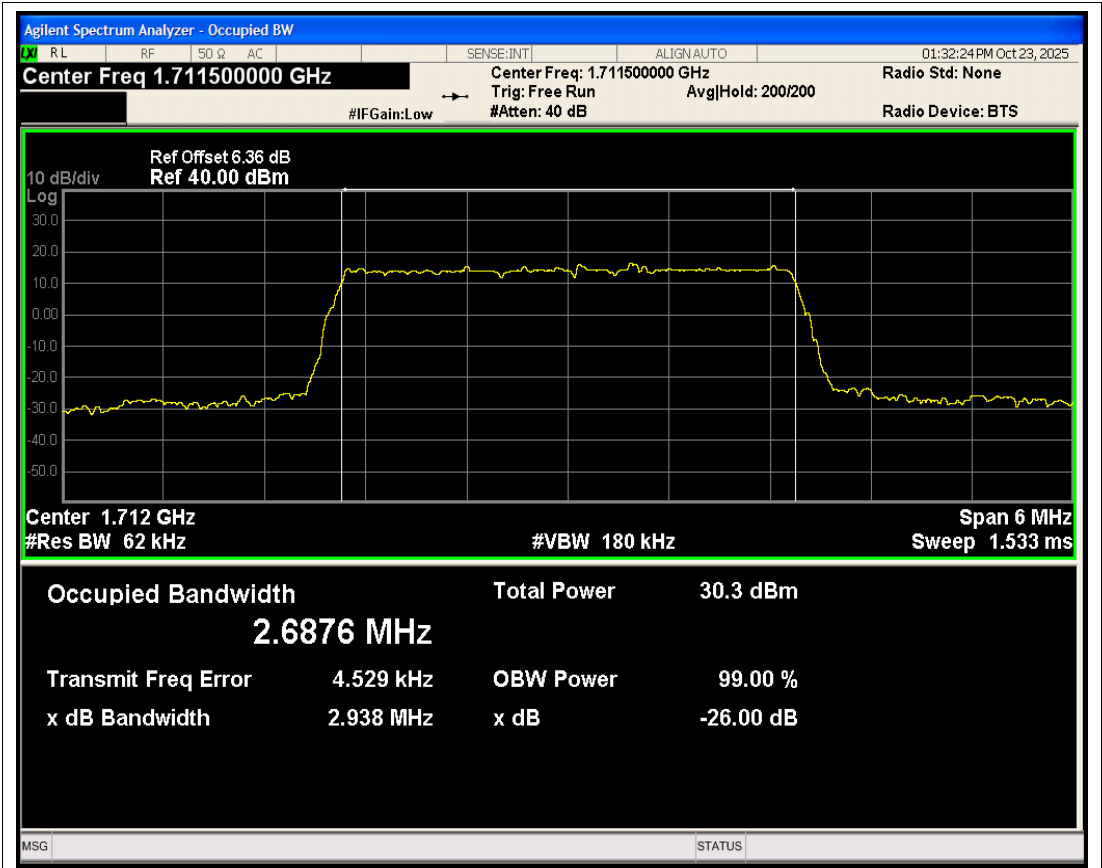


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

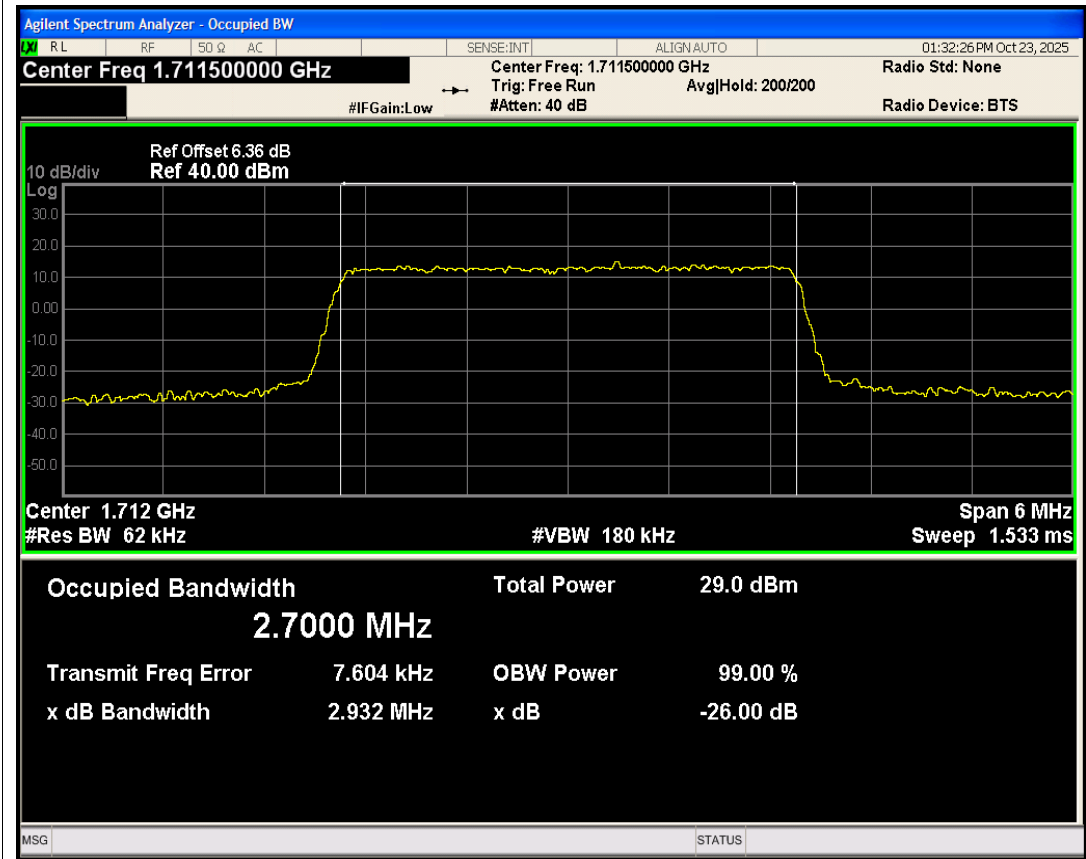


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

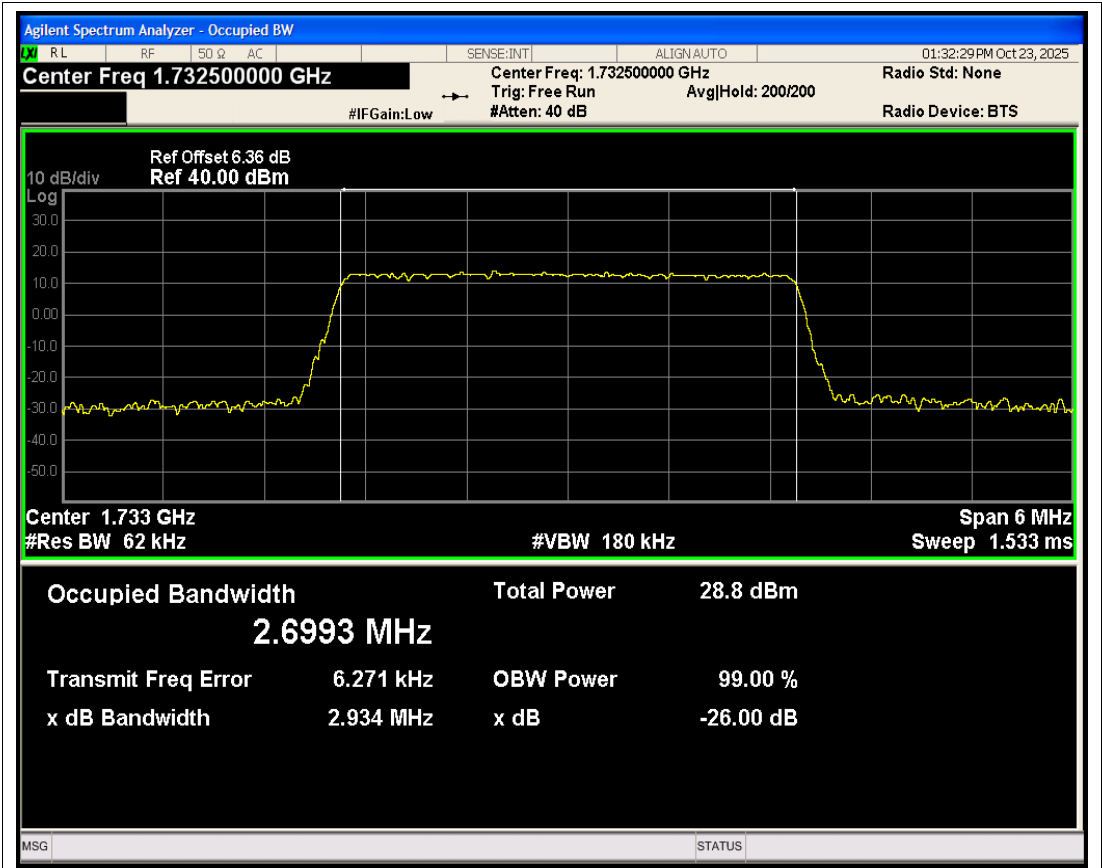
Report No.: STS2512370W01_Appendix LTE Band 4



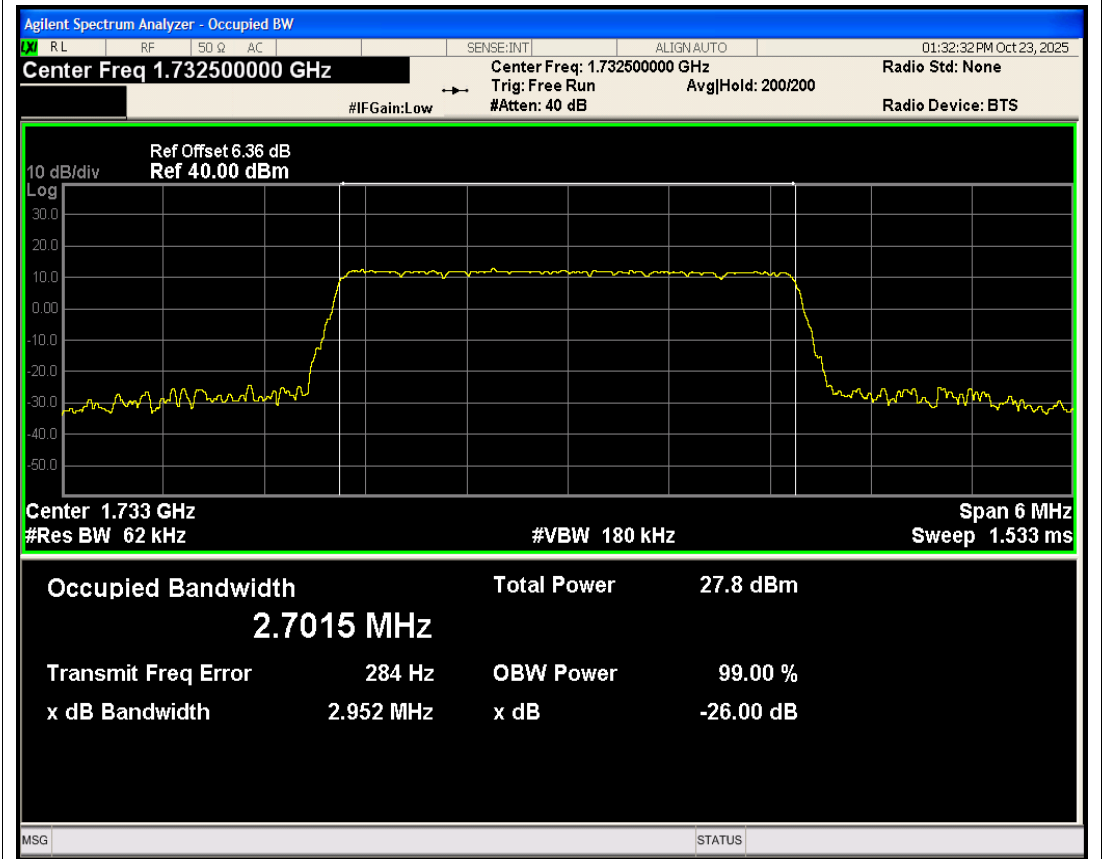
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



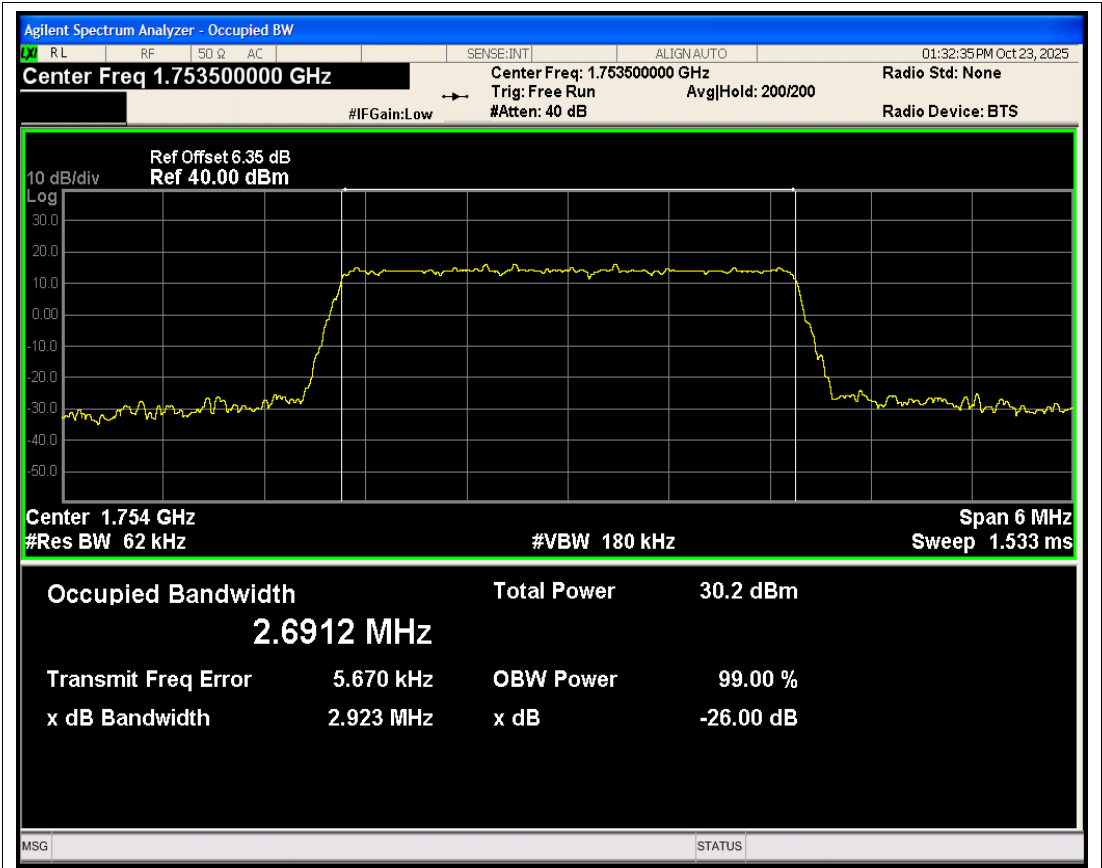
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



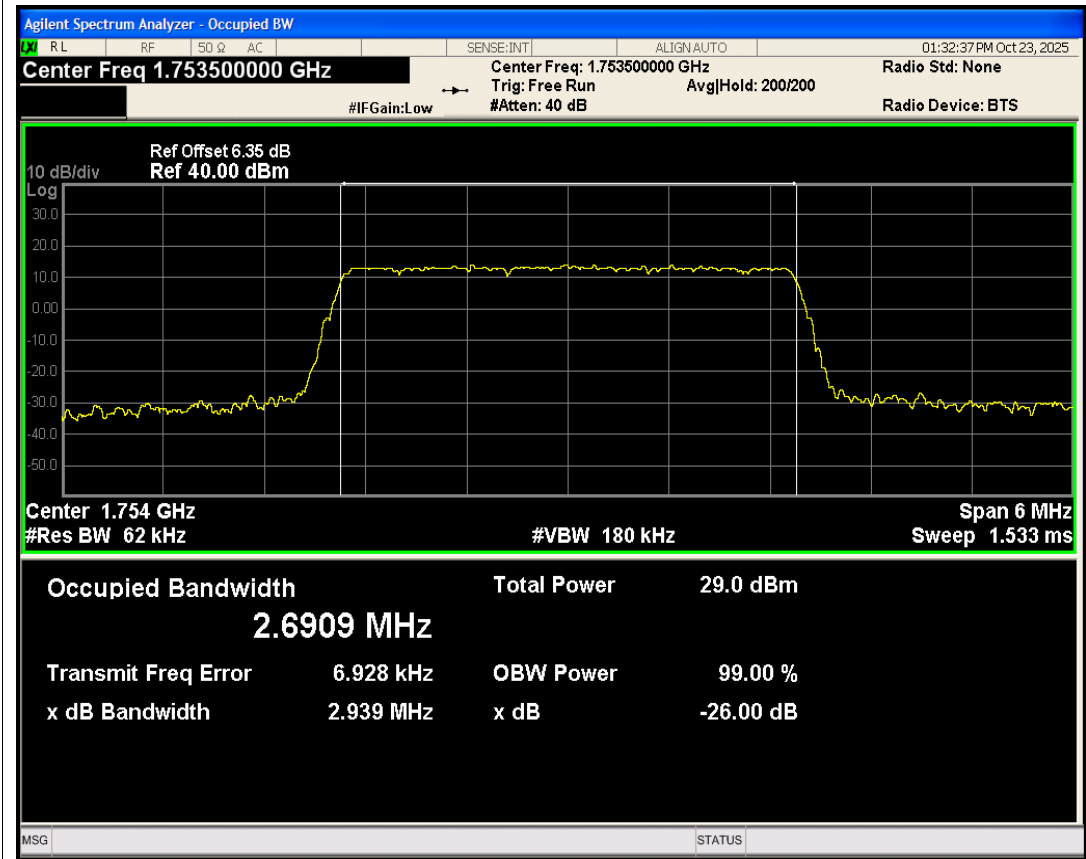
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



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

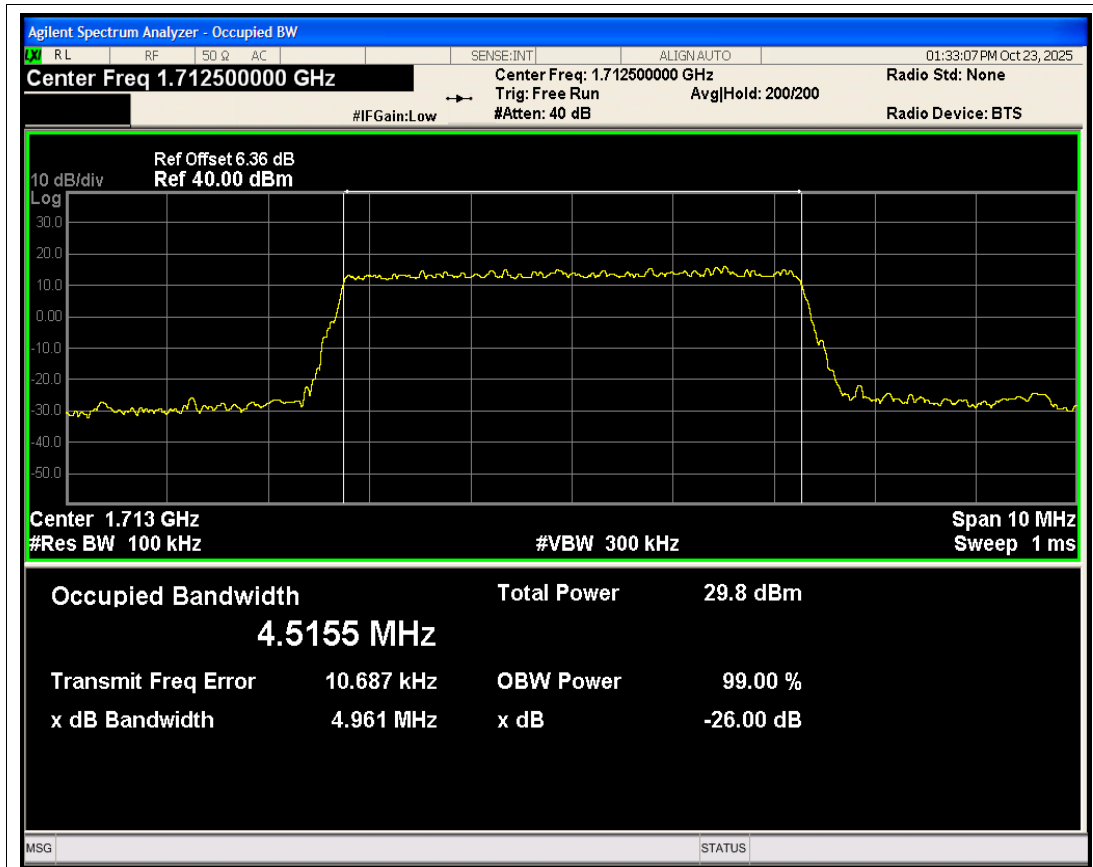


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

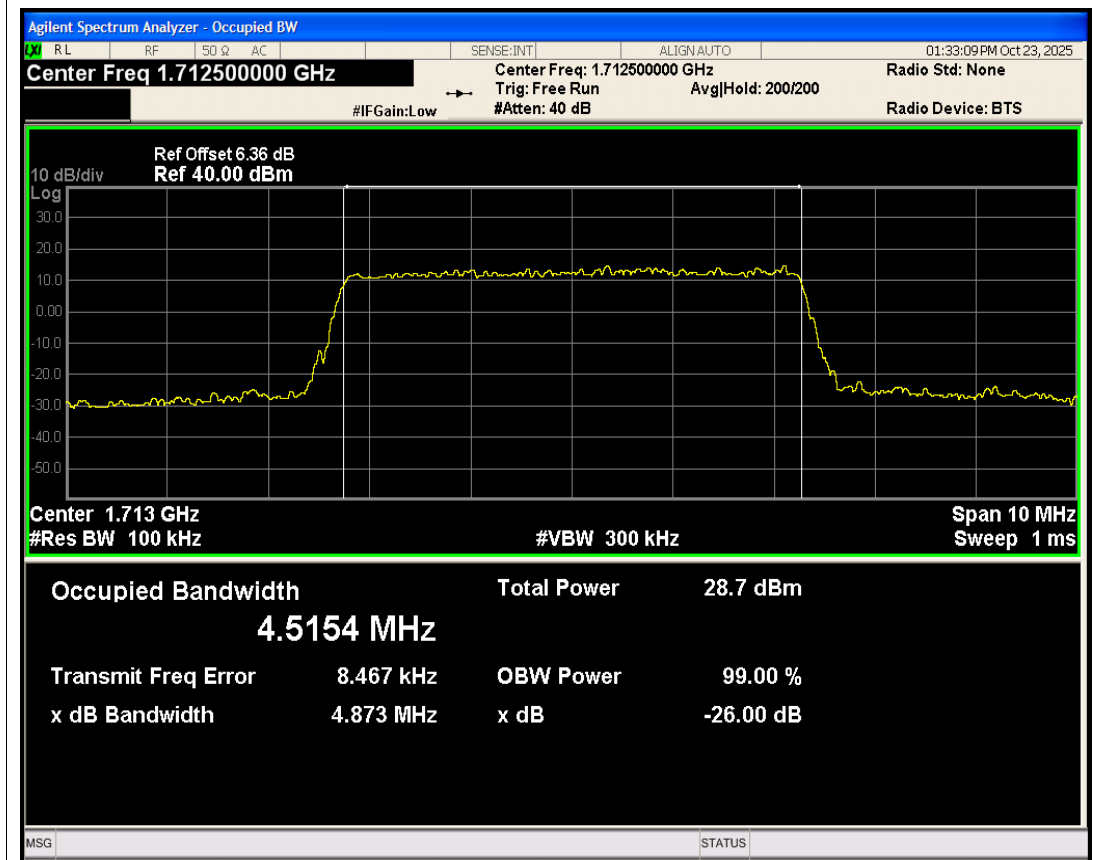


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

Report No.: STS2512370W01_Appendix LTE Band 4

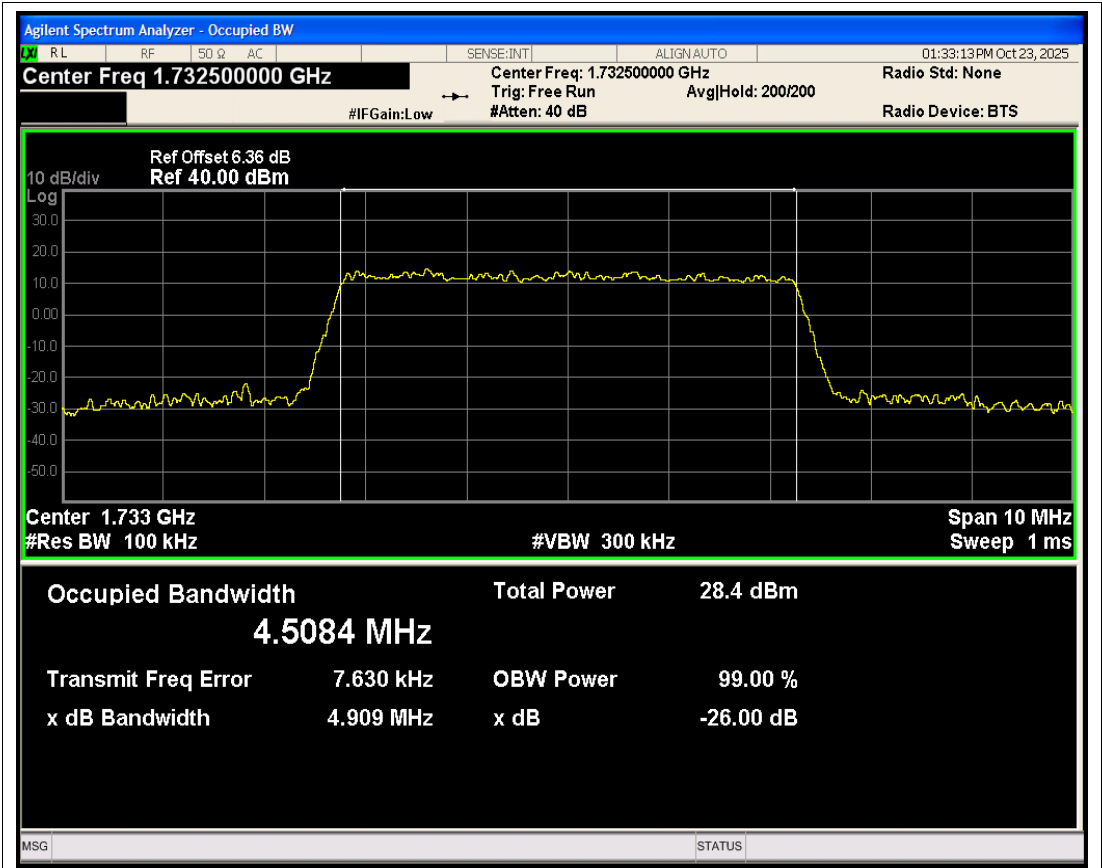


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

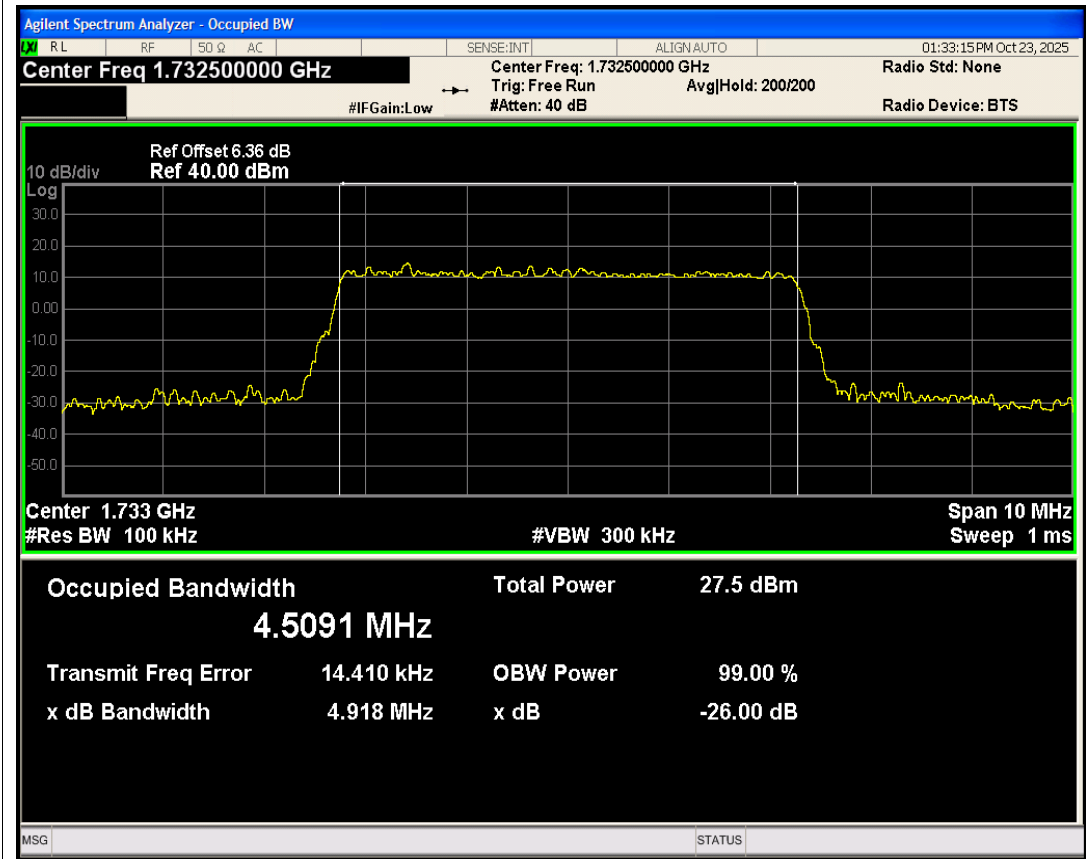


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

Report No.: STS2512370W01_Appendix LTE Band 4

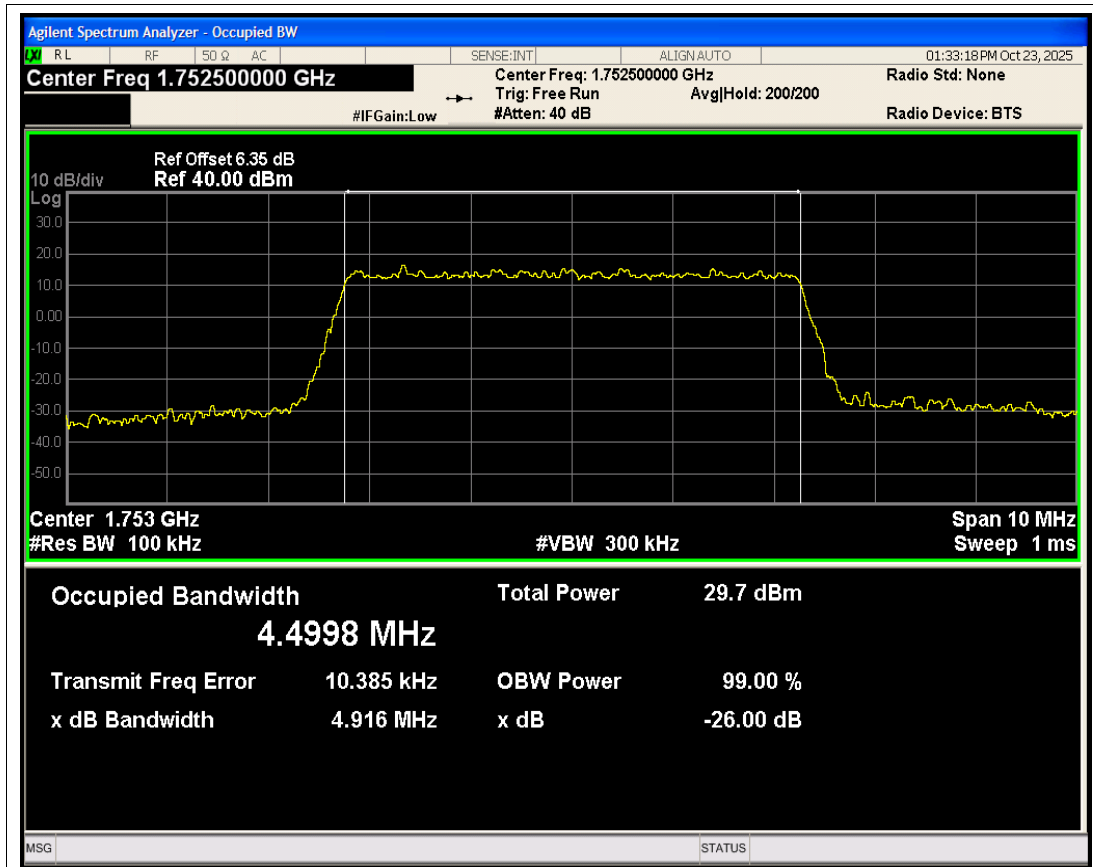


Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

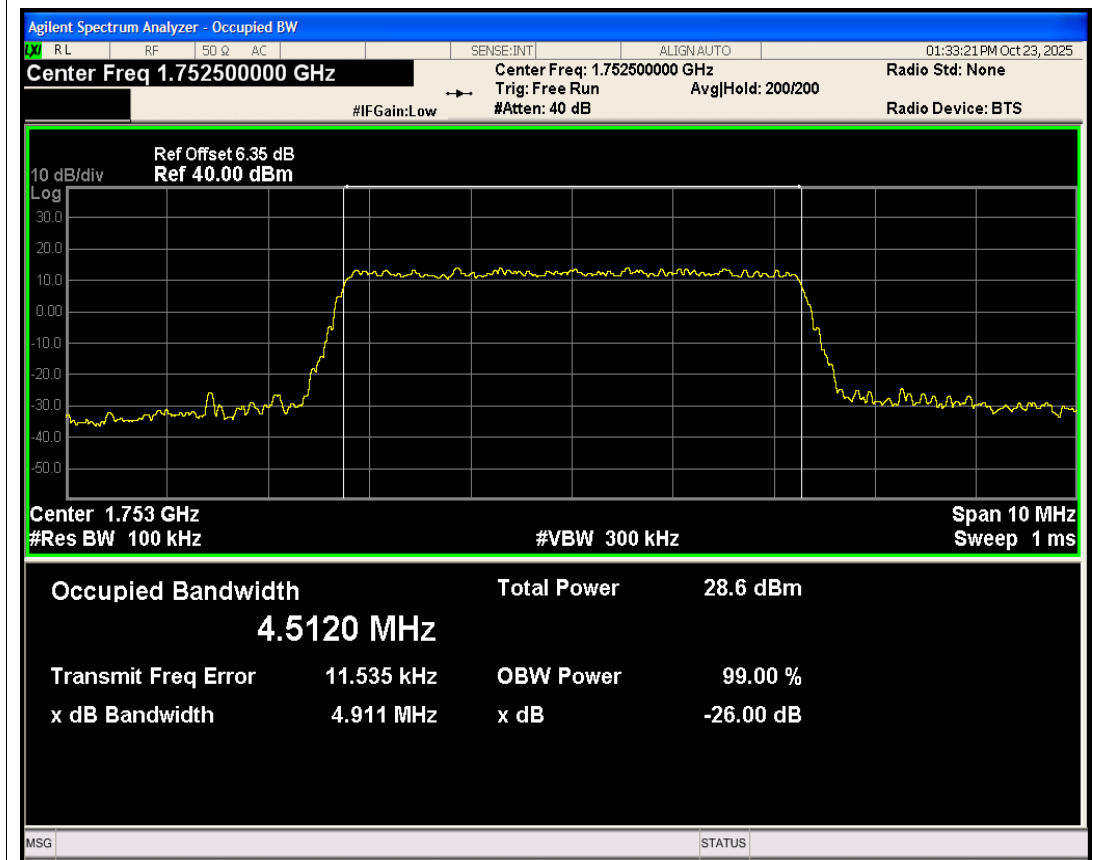


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

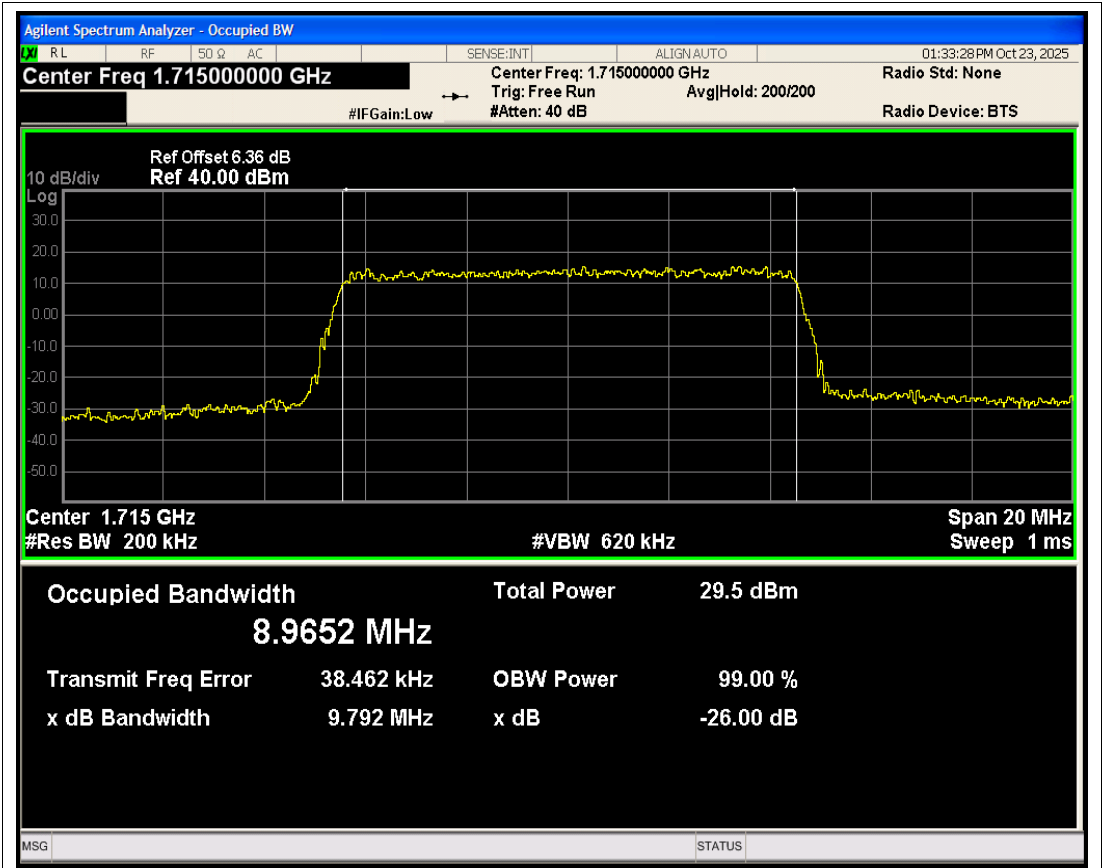
Report No.: STS2512370W01_Appendix LTE Band 4



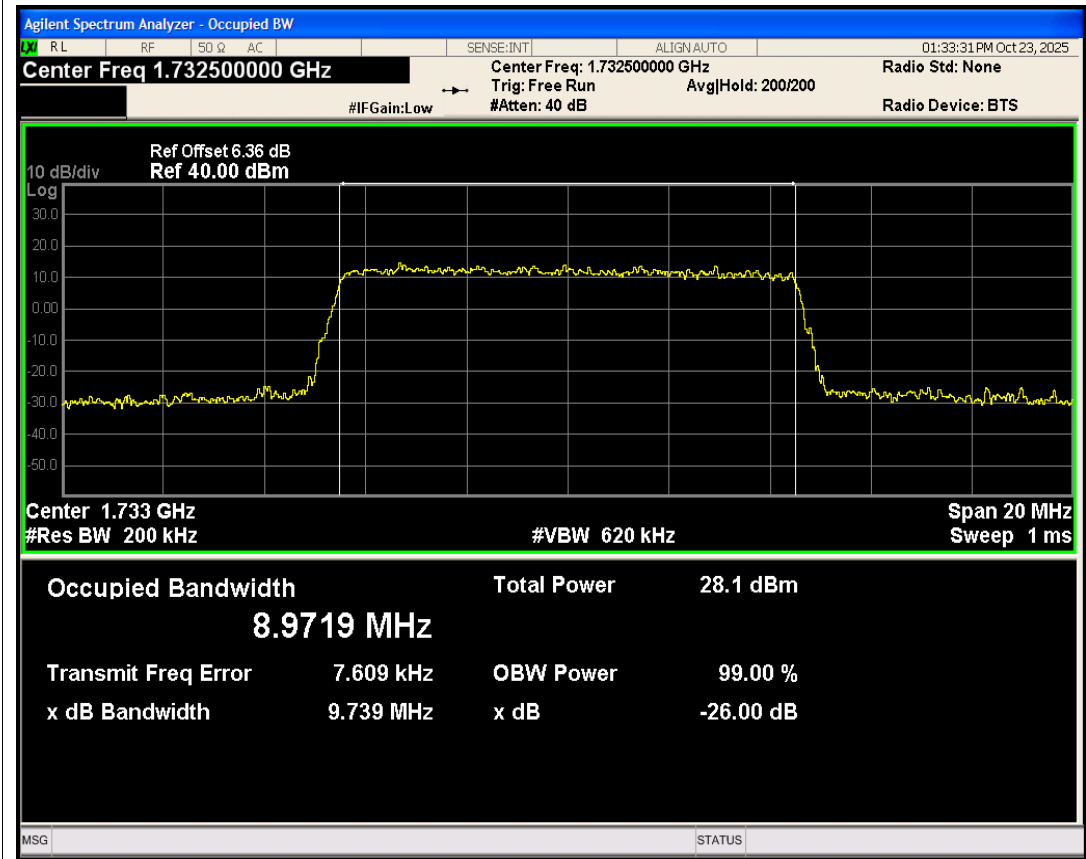
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



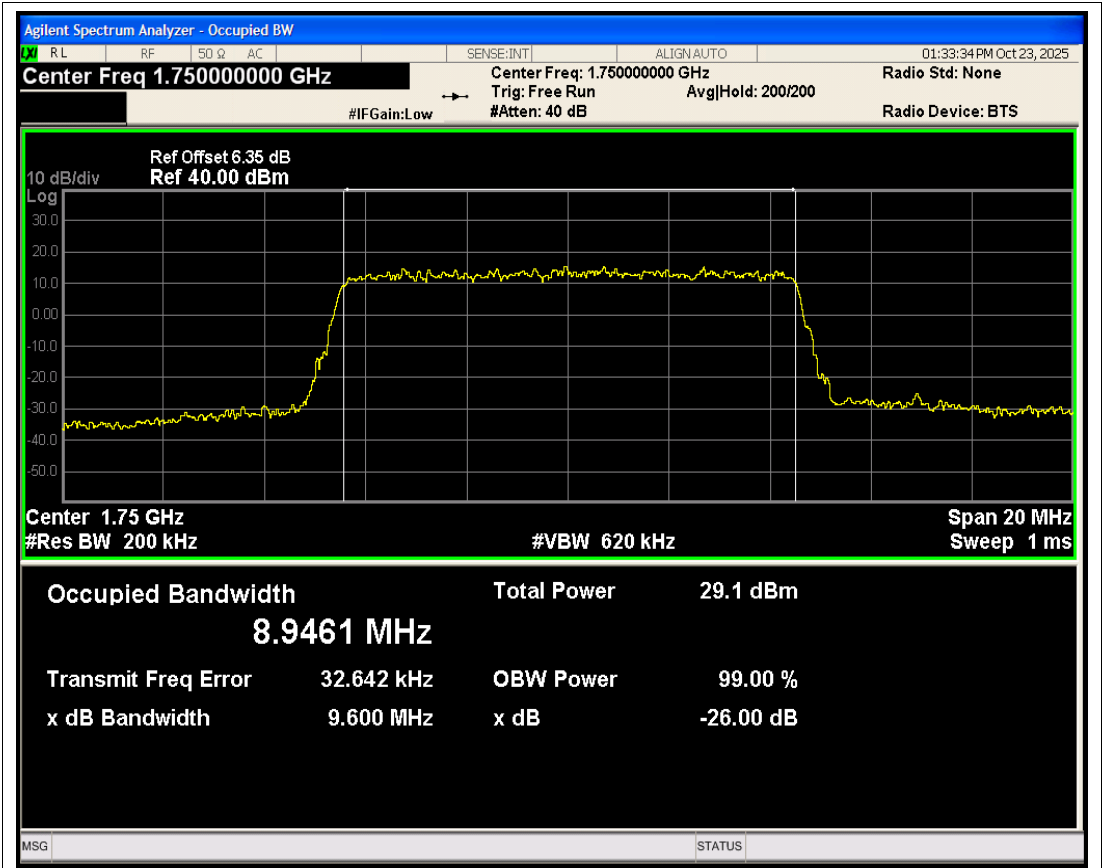
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



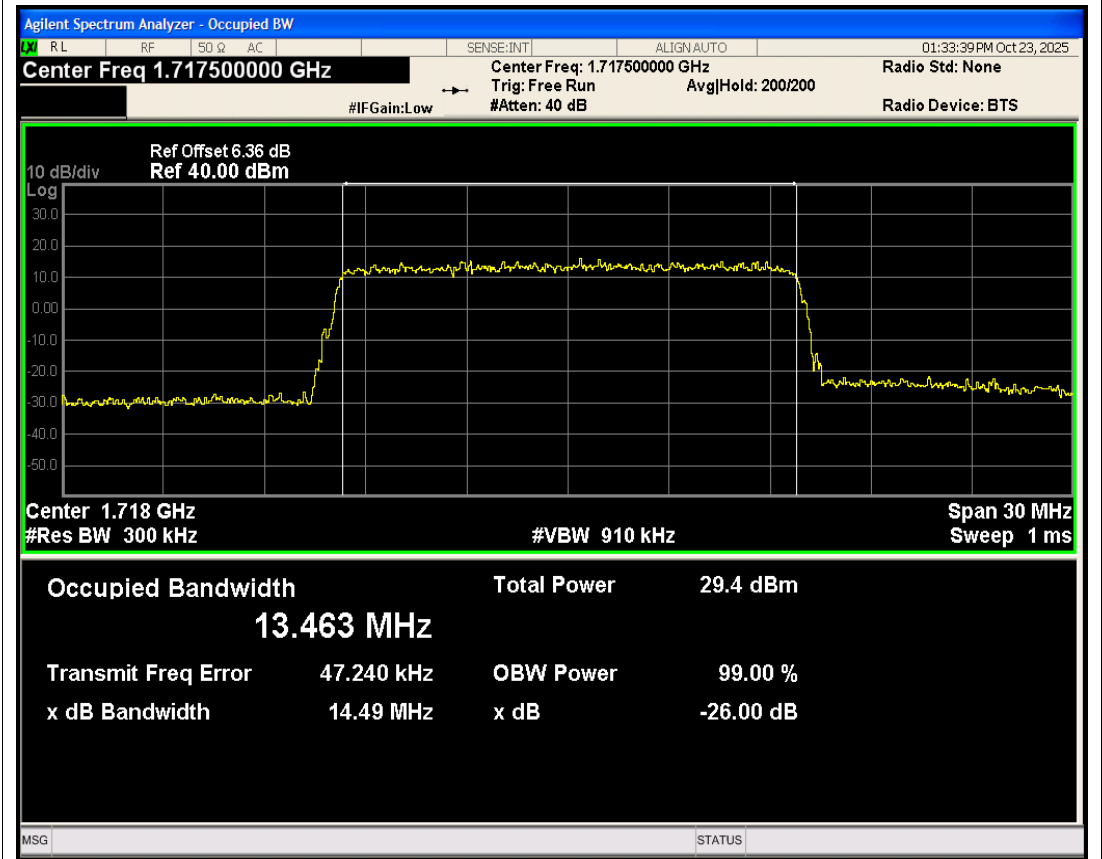
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



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

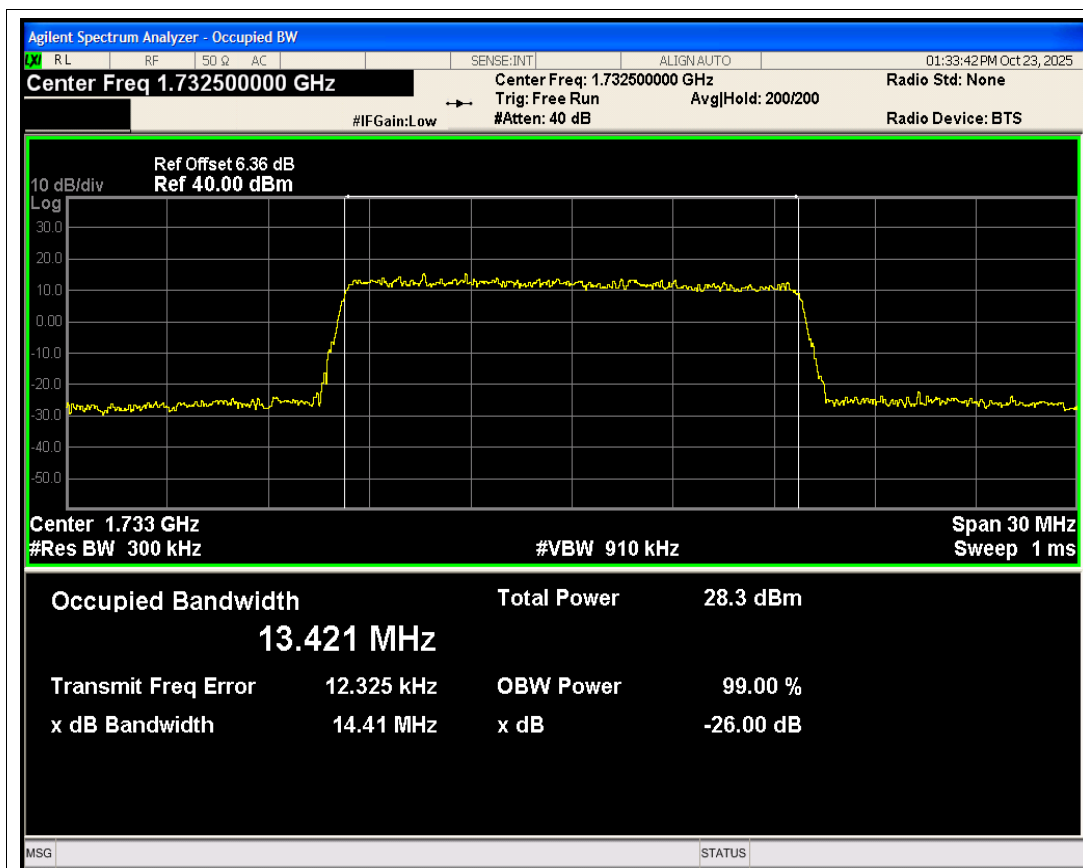


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

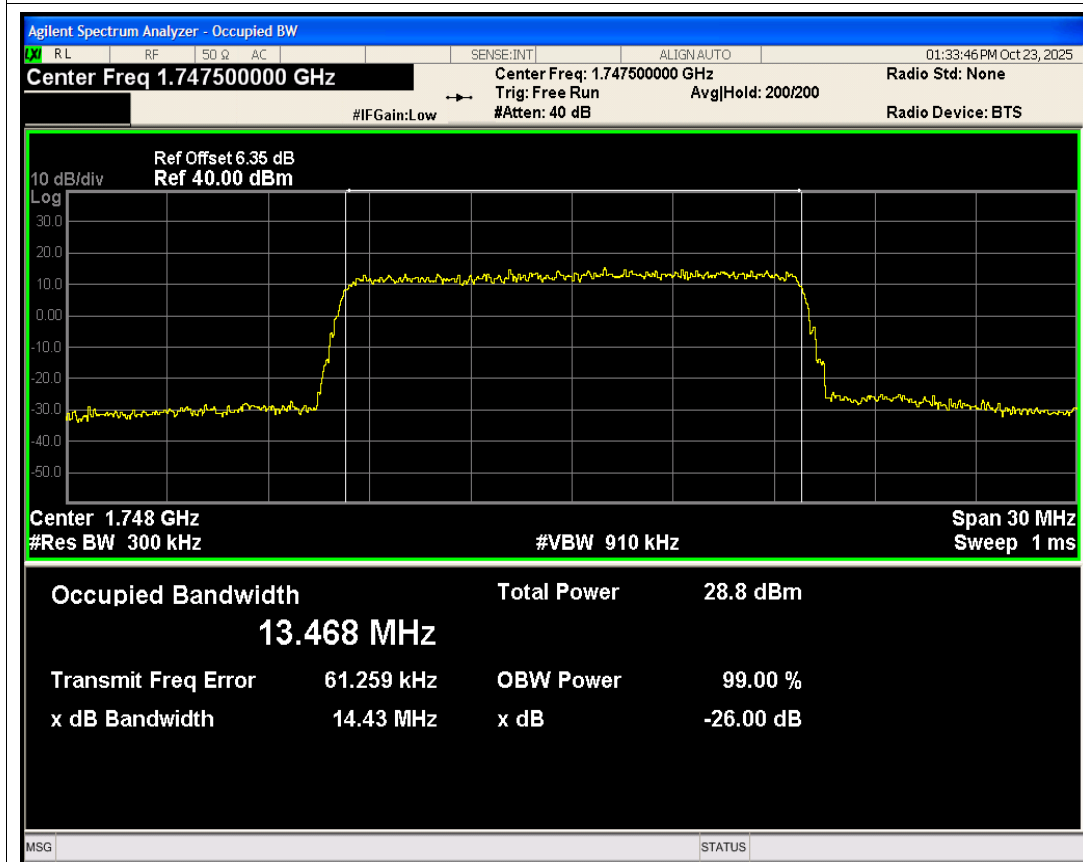


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

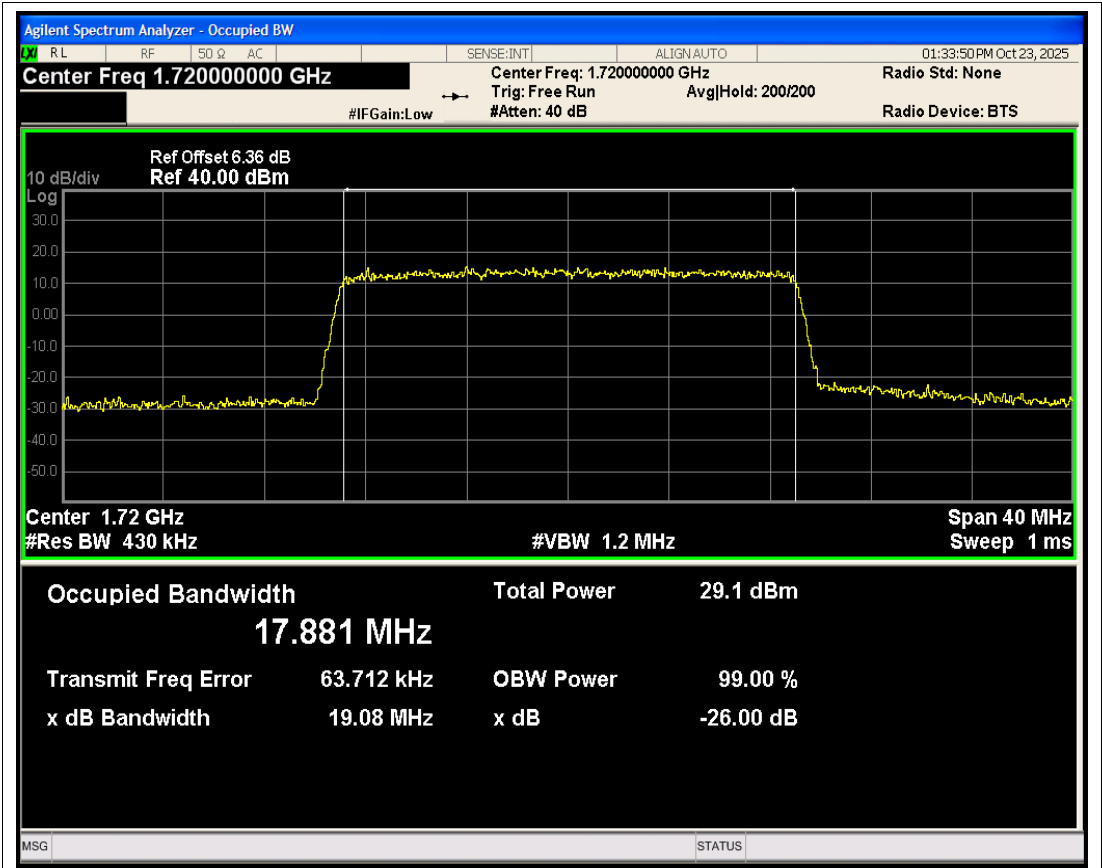
Report No.: STS2512370W01_Appendix LTE Band 4



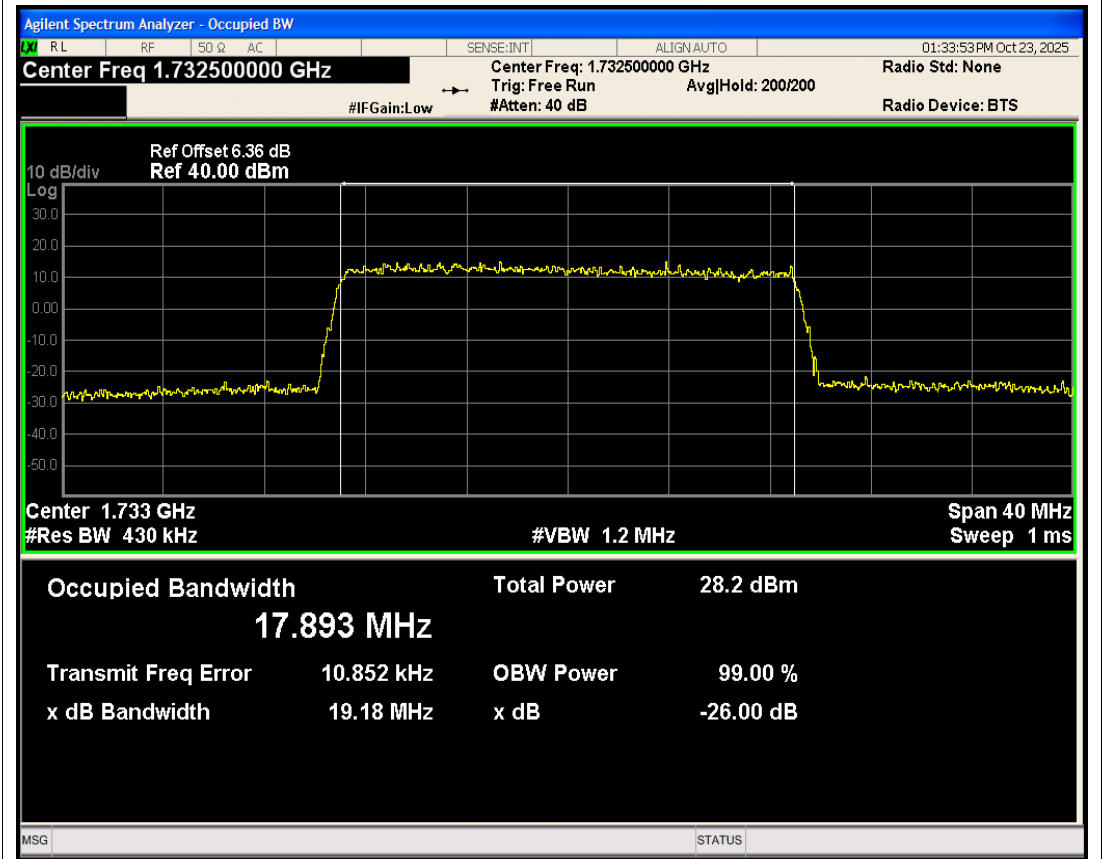
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



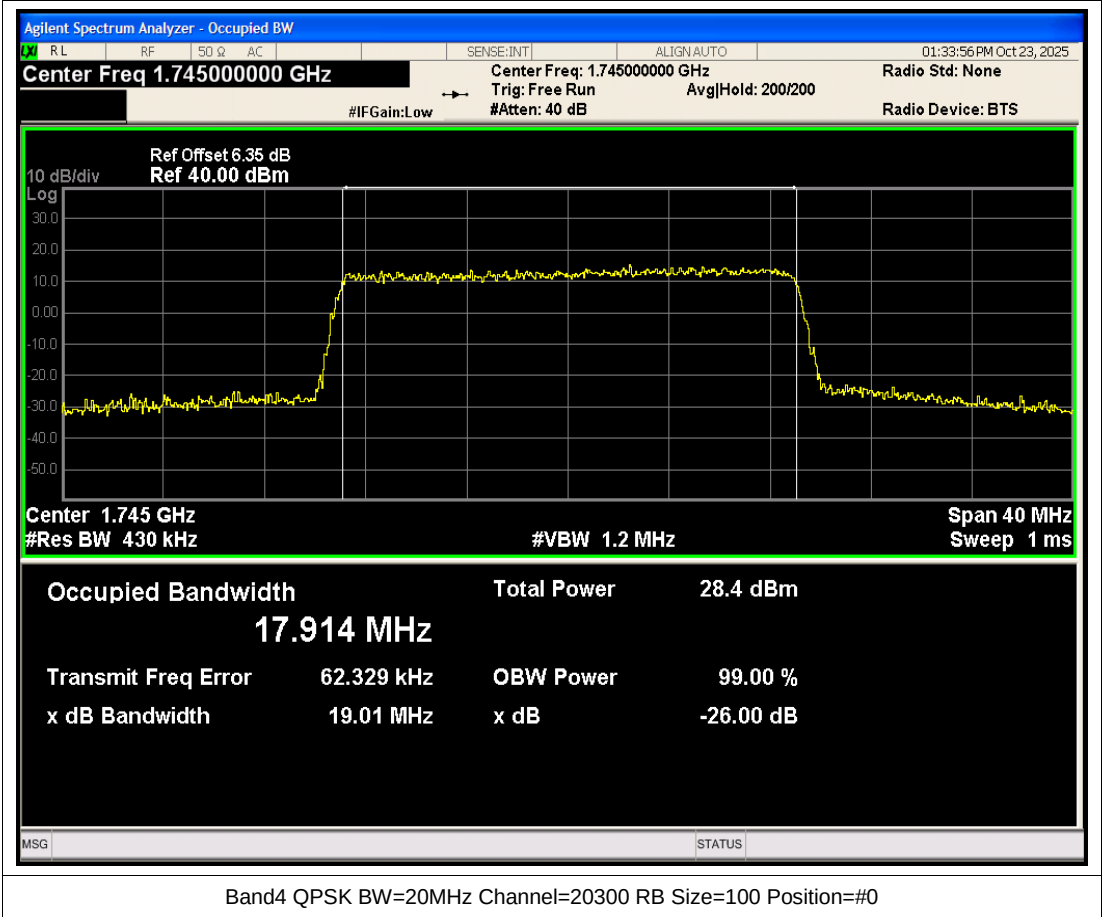
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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



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



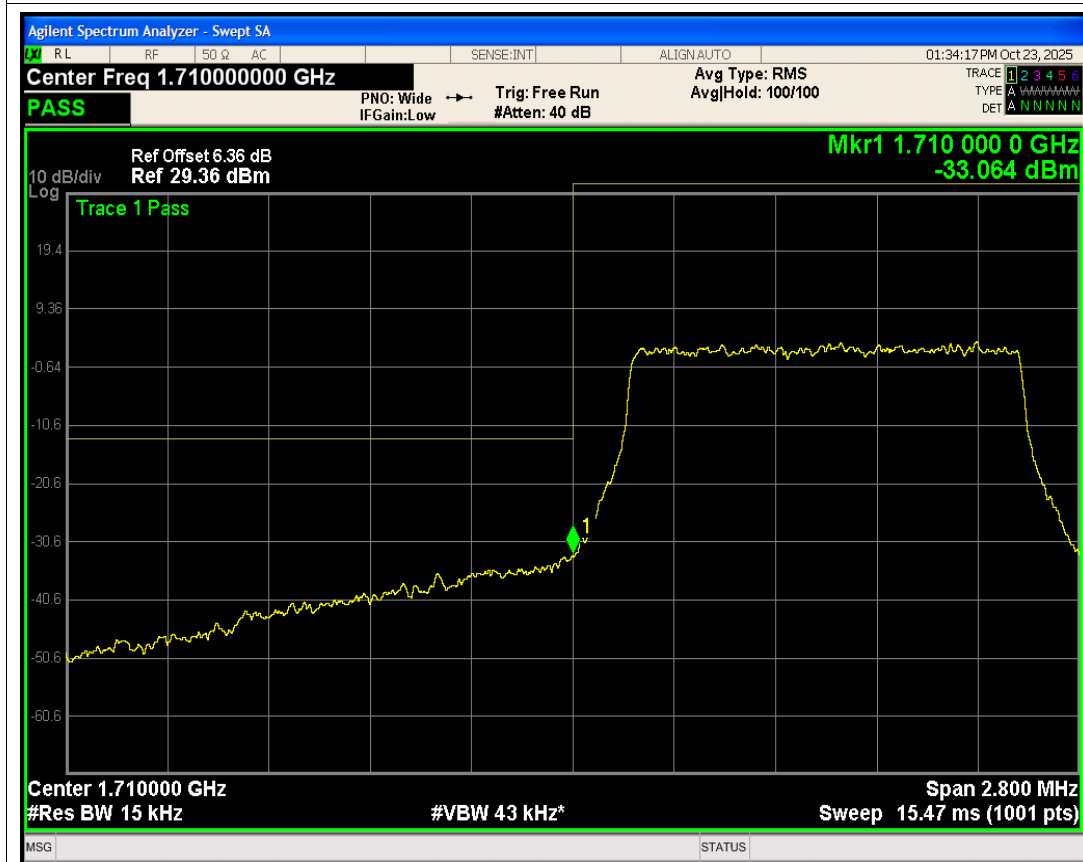
Appendix 5.Band edge

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	1710.00	-33.58	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-33.06	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.00	-34.15	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-35.10	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-31.39	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-34.23	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-33.80	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-34.57	-13	PASS
Band4	5	19975	25	#0	QPSK	1710.00	-31.91	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.99	-33.54	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-32.18	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.00	-33.34	-13	PASS
Band4	10	20000	50	#0	QPSK	1710.00	-37.51	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.08	-36.70	-13	PASS
Band4	15	20025	75	#0	QPSK	1708.80	-38.87	-13	PASS
Band4	15	20325	75	#0	QPSK	1756.65	-36.19	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.48	-38.15	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.28	-35.30	-13	PASS

Report No.: STS2512370W01_Appendix LTE Band 4



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



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

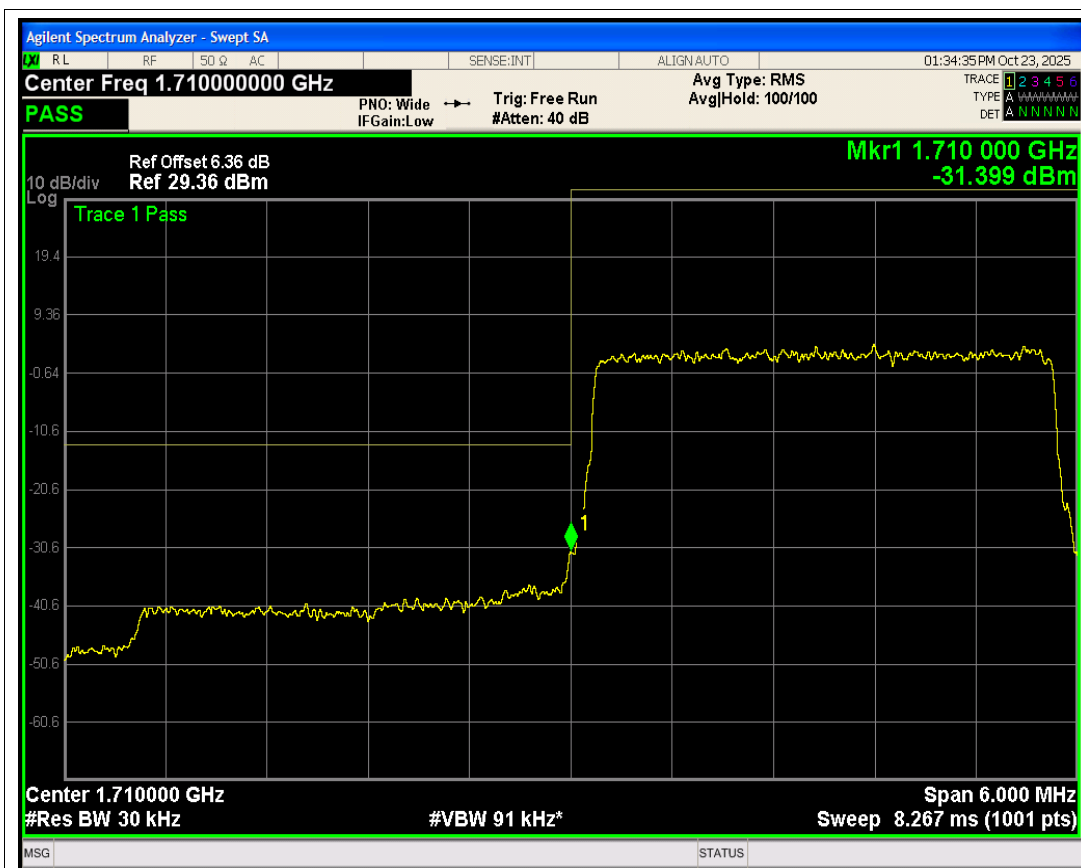


Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

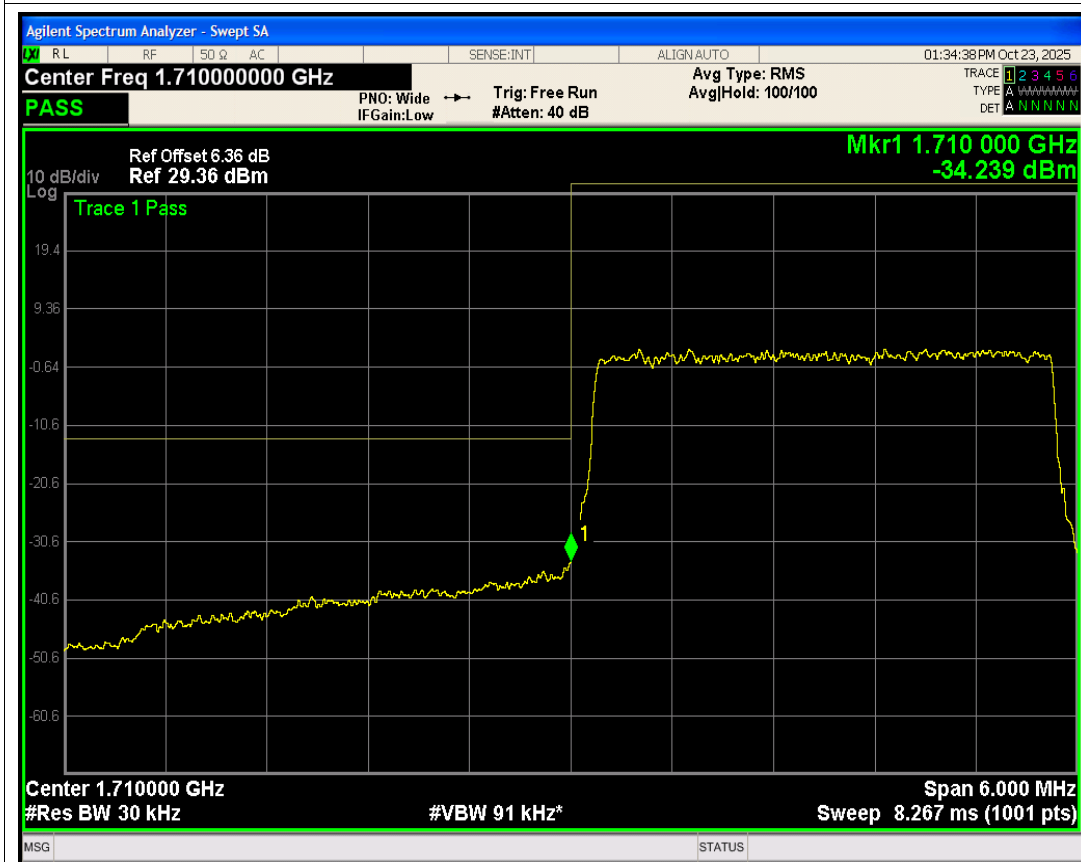


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

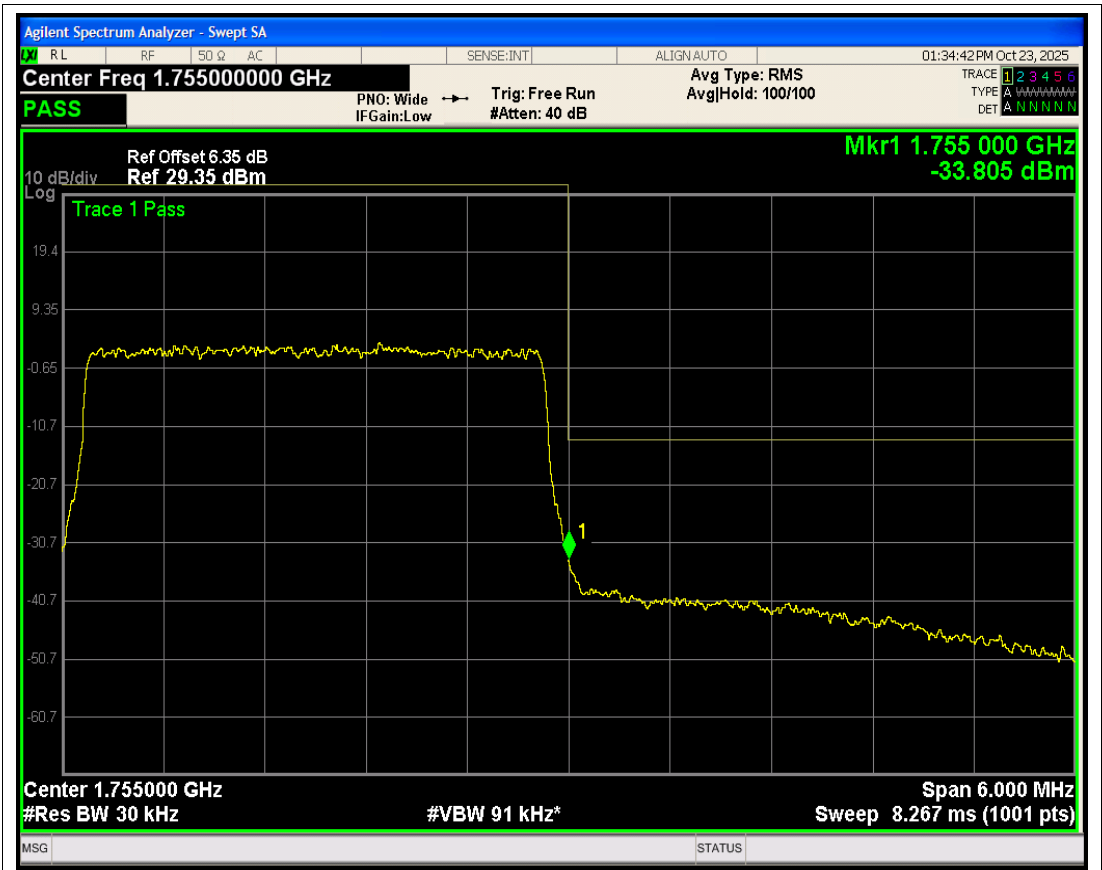
Report No.: STS2512370W01_Appendix LTE Band 4



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



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

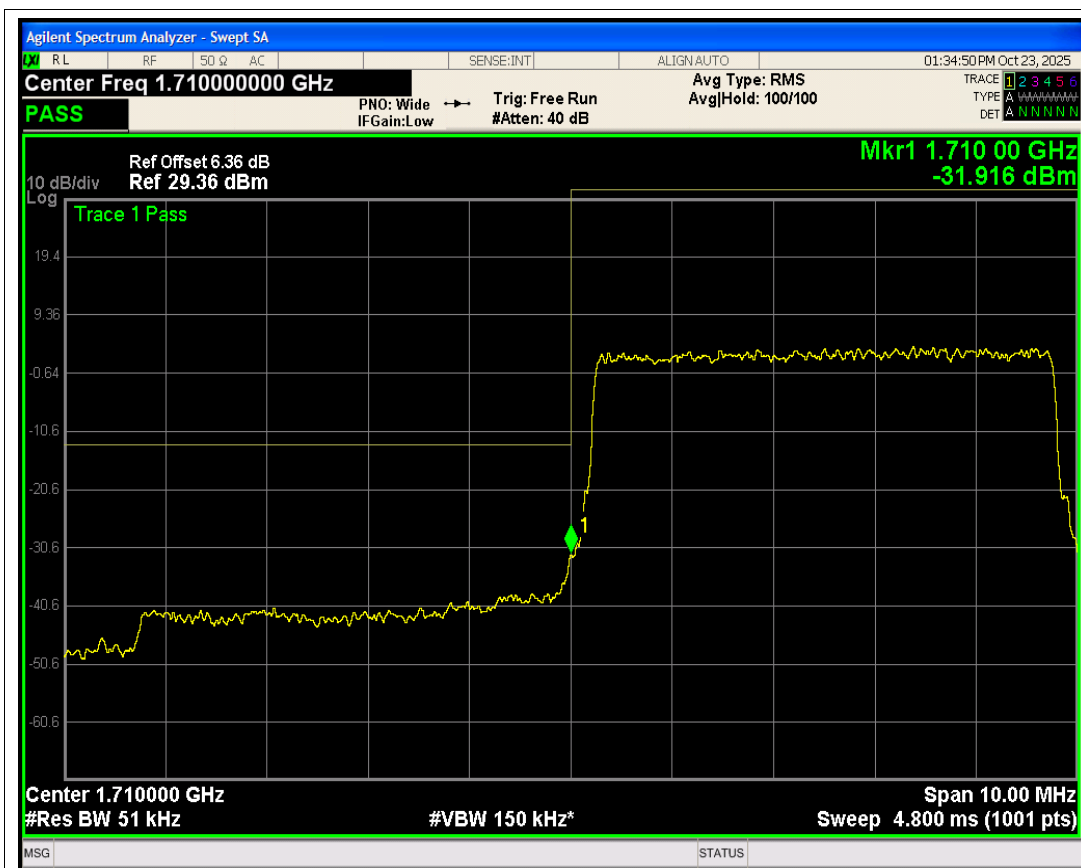


Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

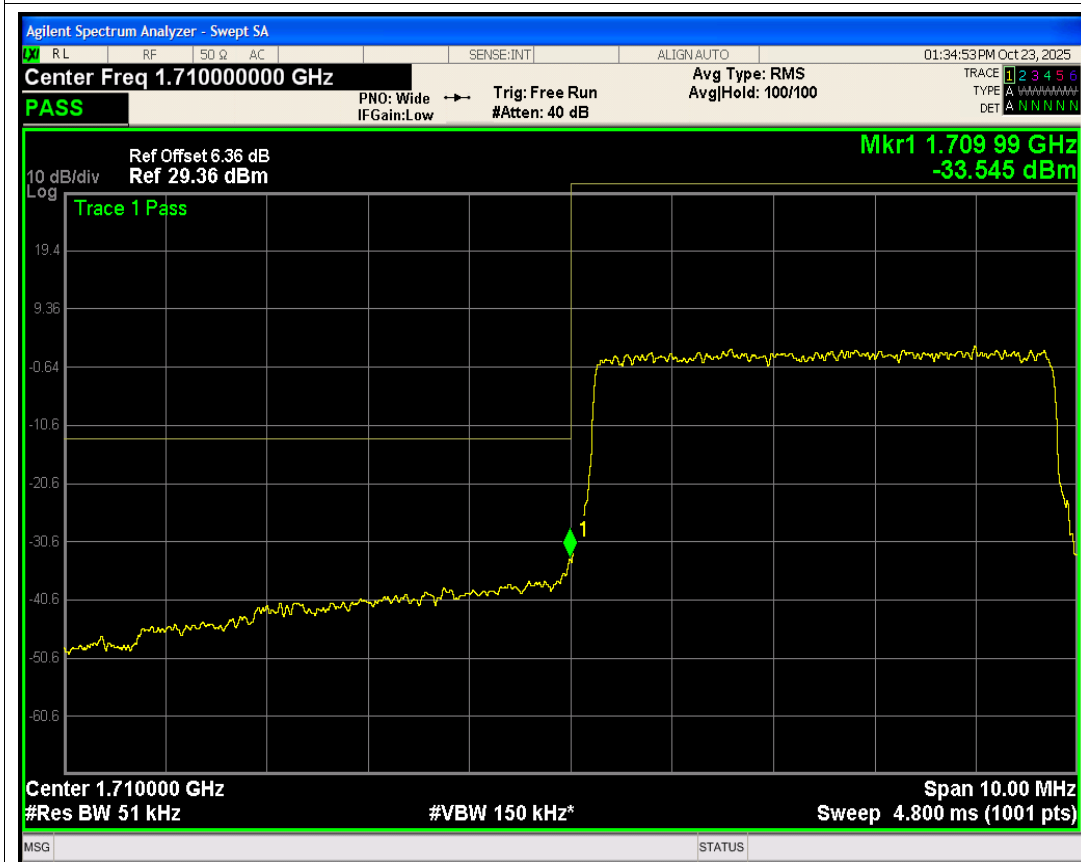


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

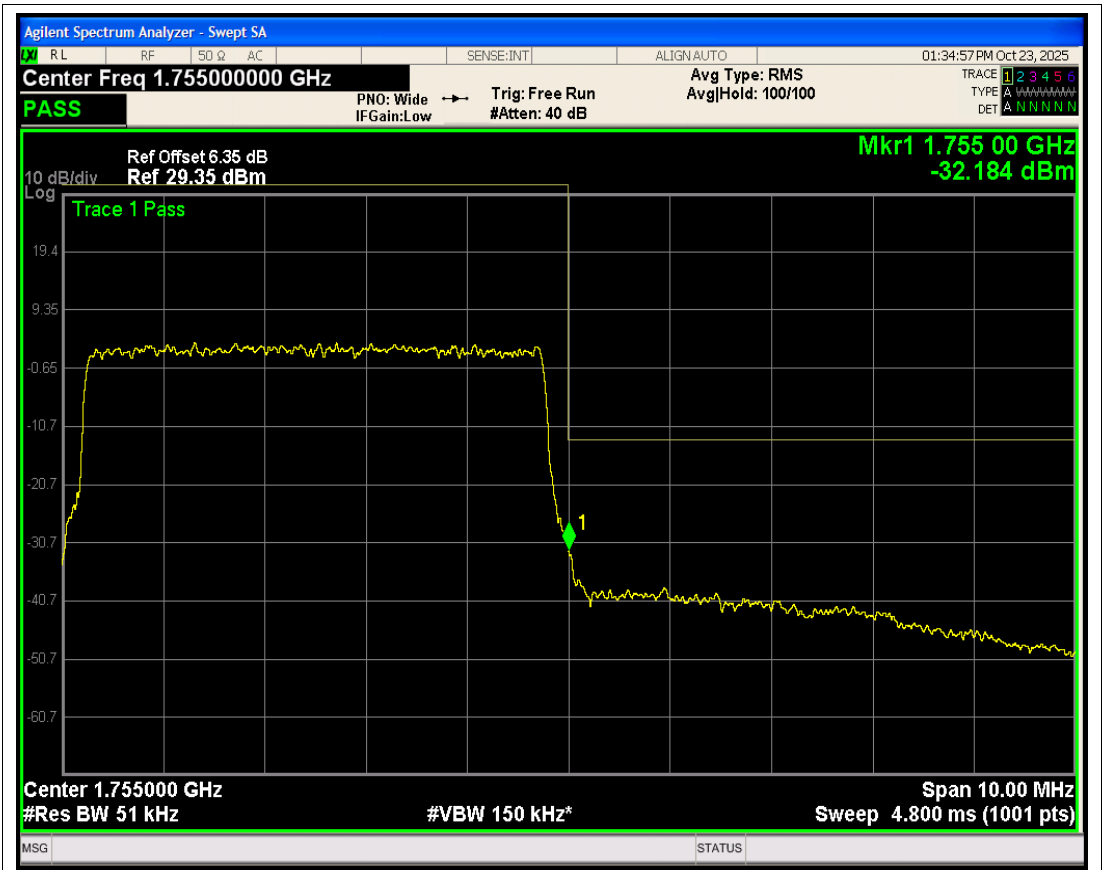
Report No.: STS2512370W01_Appendix LTE Band 4



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



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



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



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

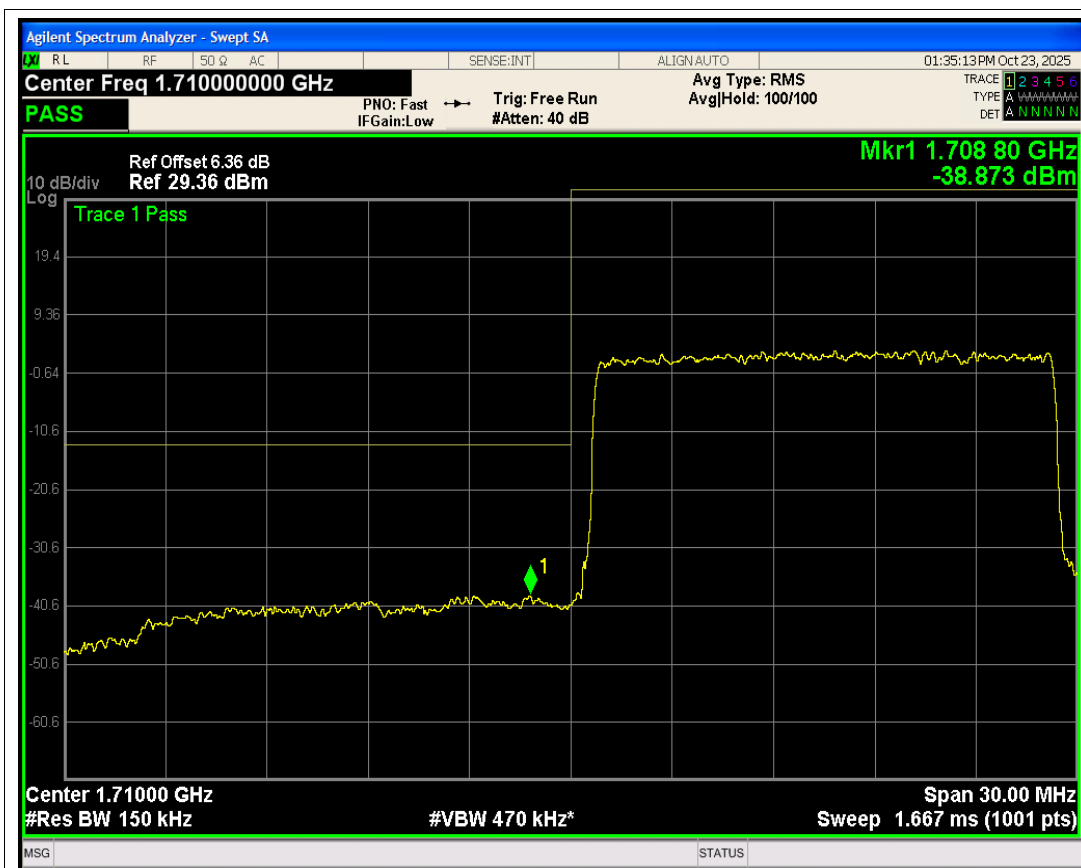


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

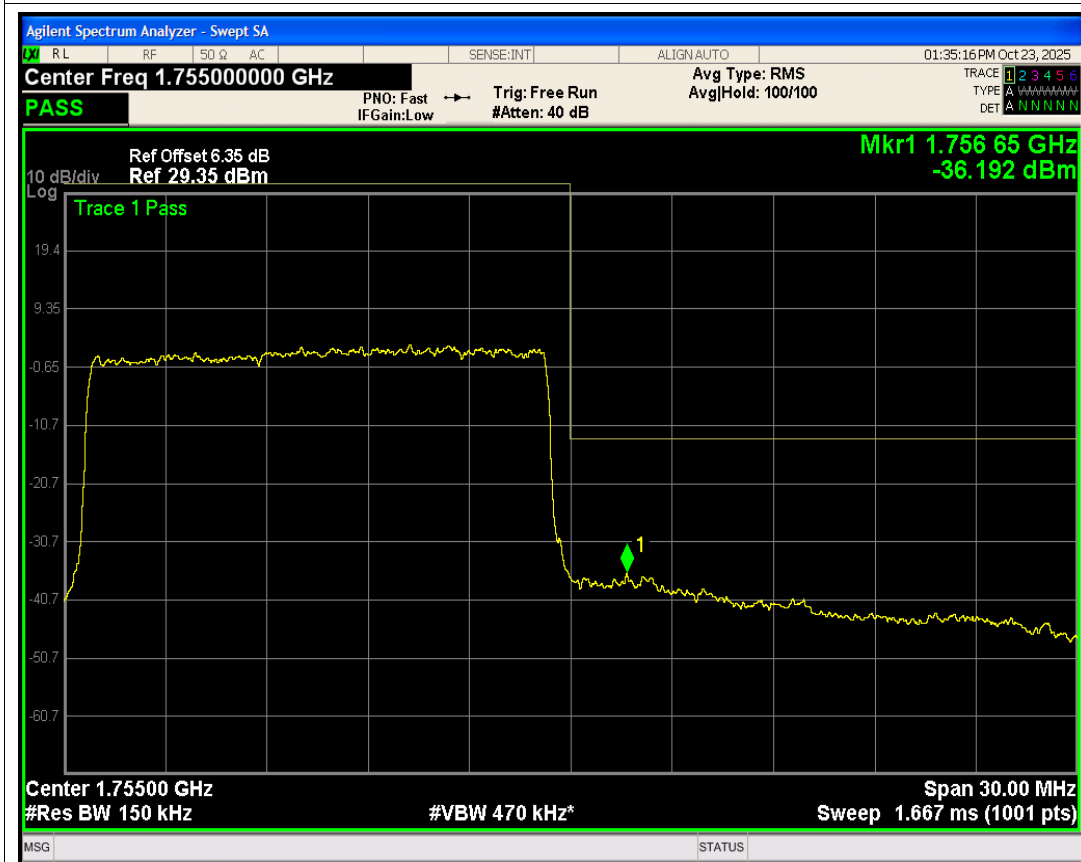


Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

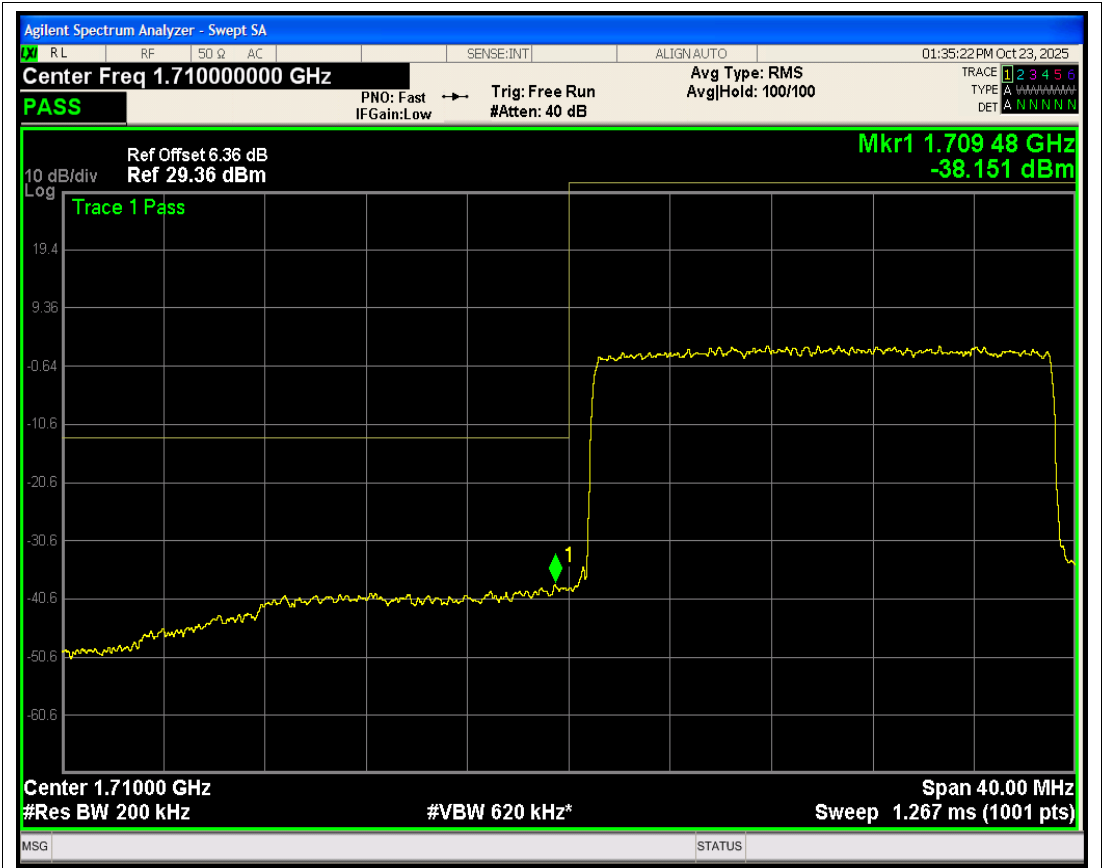
Report No.: STS2512370W01_Appendix LTE Band 4



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



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



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

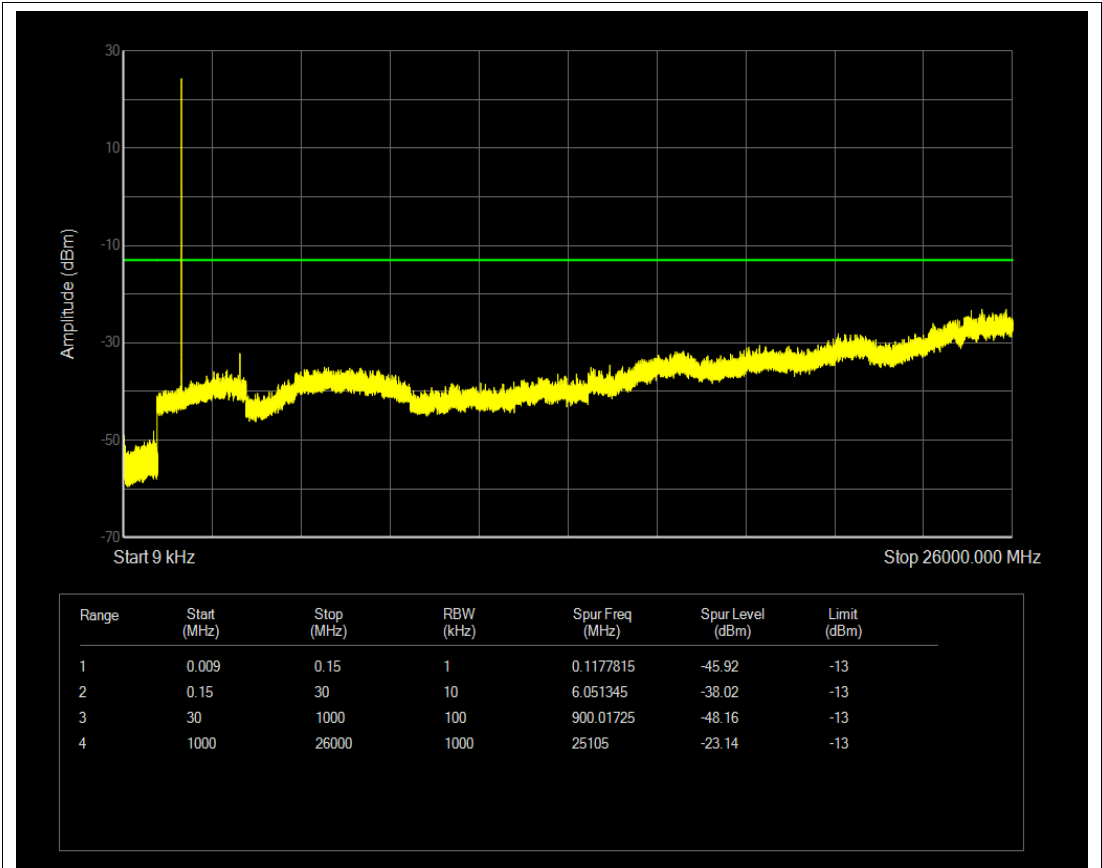


Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

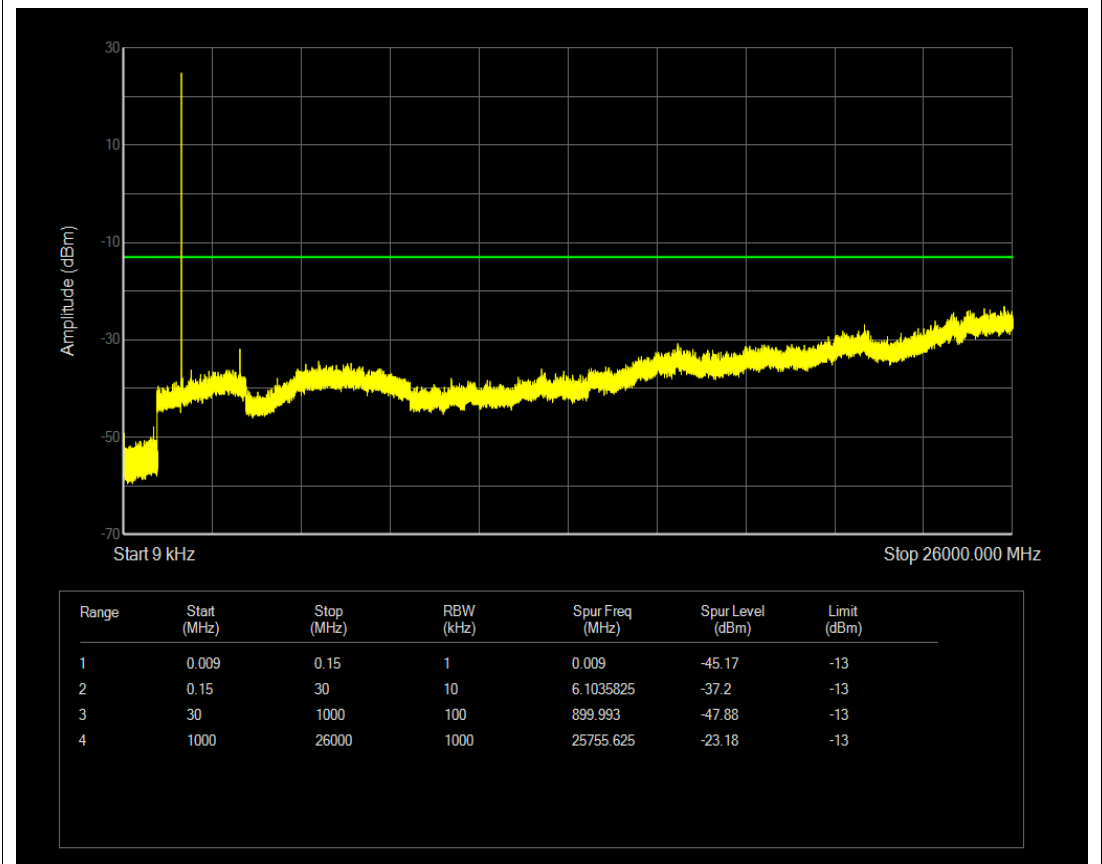
Report No.: STS2512370W01_Appendix LTE Band 4

Appendix 6.Out-of-band emissions

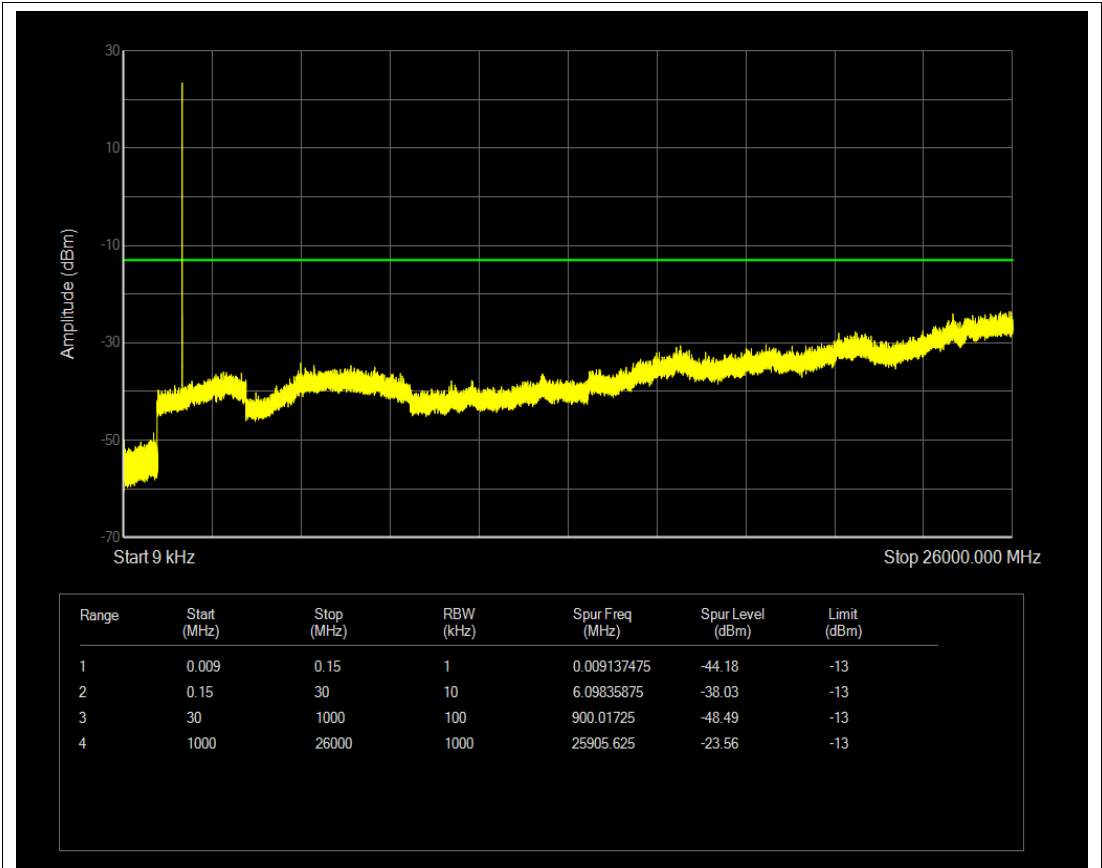
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	25105.00	-23.14	-13	PASS
Band4	1.4	19957	6	#0	16QAM	25755.63	-23.18	-13	PASS
Band4	1.4	20175	6	#0	QPSK	25905.63	-23.56	-13	PASS
Band4	1.4	20175	6	#0	16QAM	25830.63	-23.60	-13	PASS
Band4	1.4	20393	6	#0	QPSK	24813.13	-23.13	-13	PASS
Band4	1.4	20393	6	#0	16QAM	25709.38	-22.46	-13	PASS
Band4	3	19965	15	#0	QPSK	25084.38	-23.03	-13	PASS
Band4	3	19965	15	#0	16QAM	25683.13	-23.59	-13	PASS
Band4	3	20175	15	#0	QPSK	25383.75	-23.88	-13	PASS
Band4	3	20175	15	#0	16QAM	25630.63	-23.46	-13	PASS
Band4	3	20385	15	#0	QPSK	25997.50	-23.19	-13	PASS
Band4	3	20385	15	#0	16QAM	25390.63	-23.28	-13	PASS
Band4	5	19975	25	#0	QPSK	25806.25	-22.72	-13	PASS
Band4	5	19975	25	#0	16QAM	24708.75	-23.55	-13	PASS
Band4	5	20175	25	#0	QPSK	25769.38	-23.56	-13	PASS
Band4	5	20175	25	#0	16QAM	25999.38	-22.90	-13	PASS
Band4	5	20375	25	#0	QPSK	25283.75	-22.89	-13	PASS
Band4	5	20375	25	#0	16QAM	25911.88	-23.71	-13	PASS
Band4	10	20000	50	#0	QPSK	25350.00	-23.07	-13	PASS
Band4	10	20175	50	#0	QPSK	25770.00	-23.12	-13	PASS
Band4	10	20350	50	#0	QPSK	25916.88	-23.69	-13	PASS
Band4	15	20025	75	#0	QPSK	25761.25	-23.82	-13	PASS
Band4	15	20175	75	#0	QPSK	25380.00	-22.91	-13	PASS
Band4	15	20325	75	#0	QPSK	25671.25	-22.95	-13	PASS
Band4	20	20050	100	#0	QPSK	25099.38	-23.55	-13	PASS
Band4	20	20175	100	#0	QPSK	25538.75	-23.53	-13	PASS
Band4	20	20300	100	#0	QPSK	24741.25	-23.41	-13	PASS



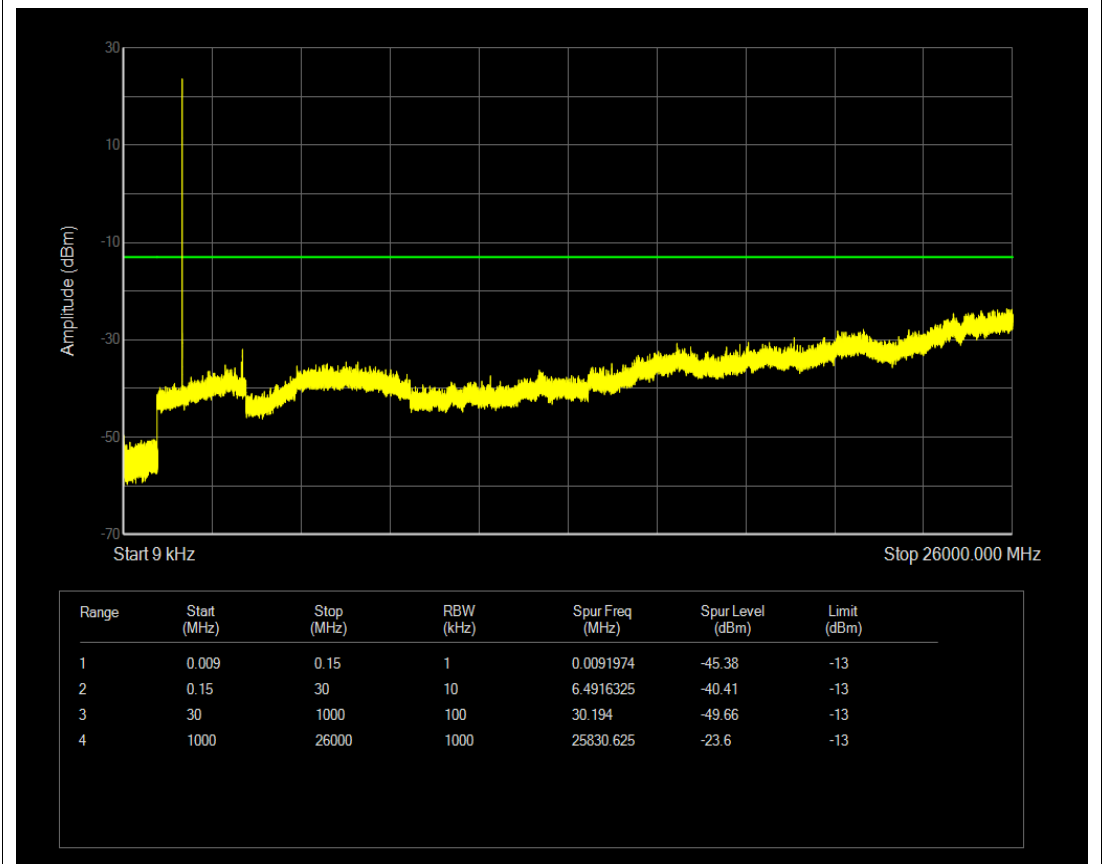
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



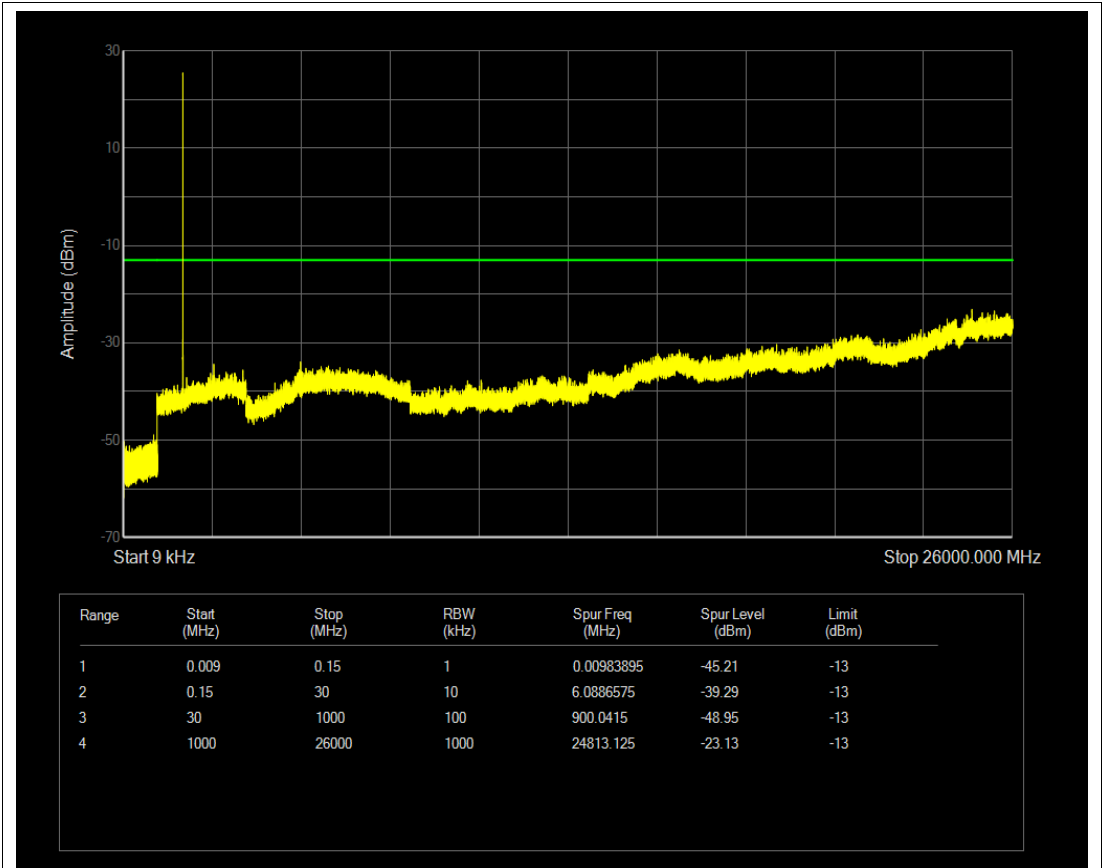
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



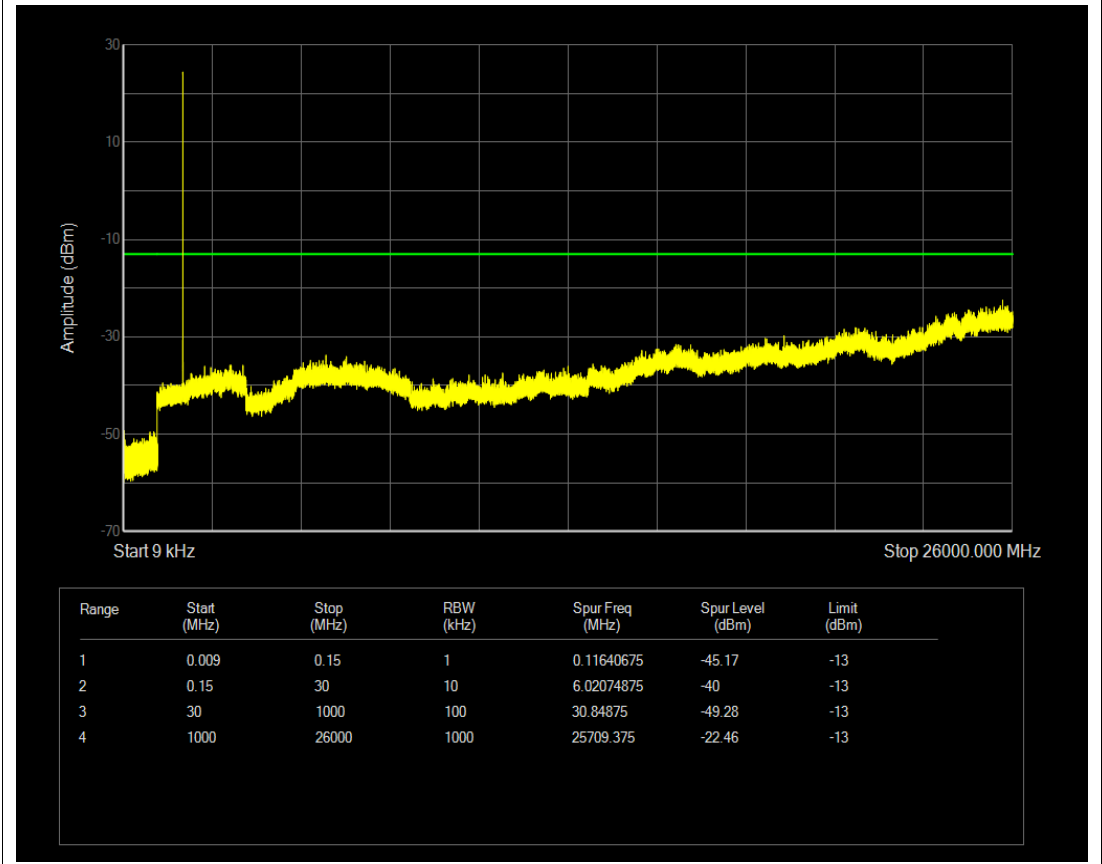
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



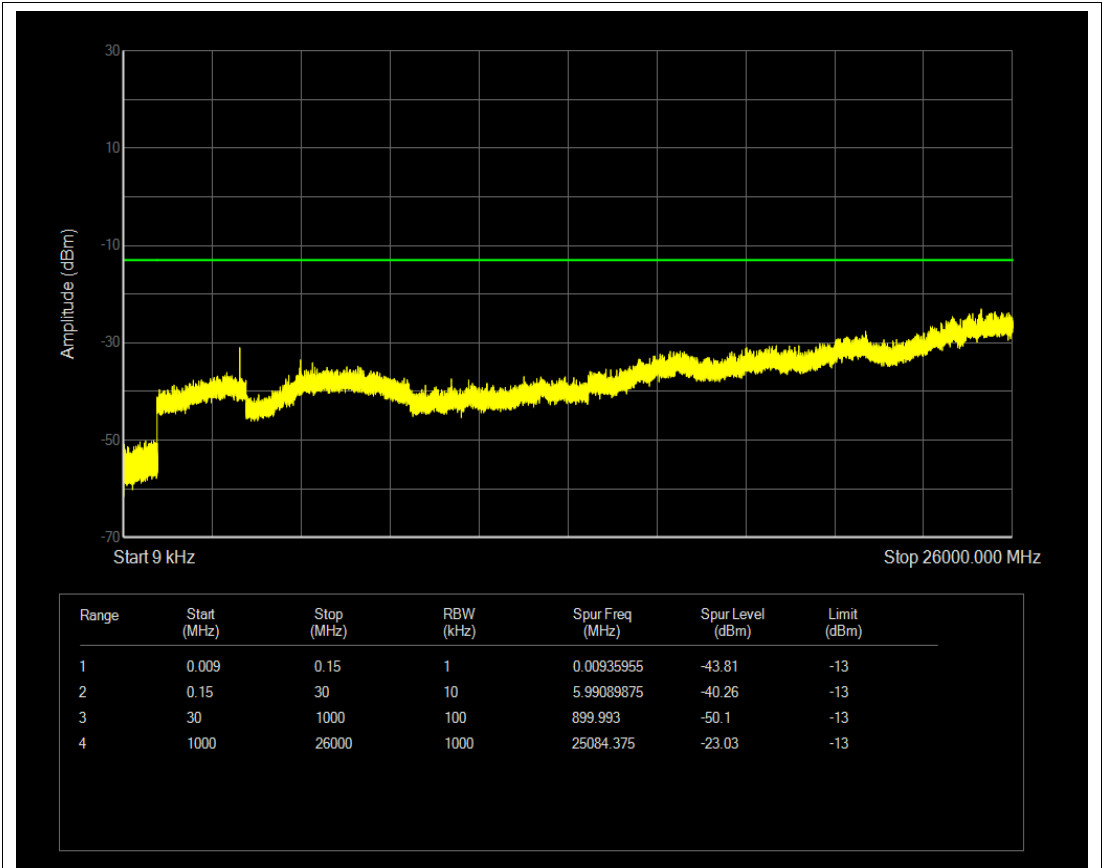
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



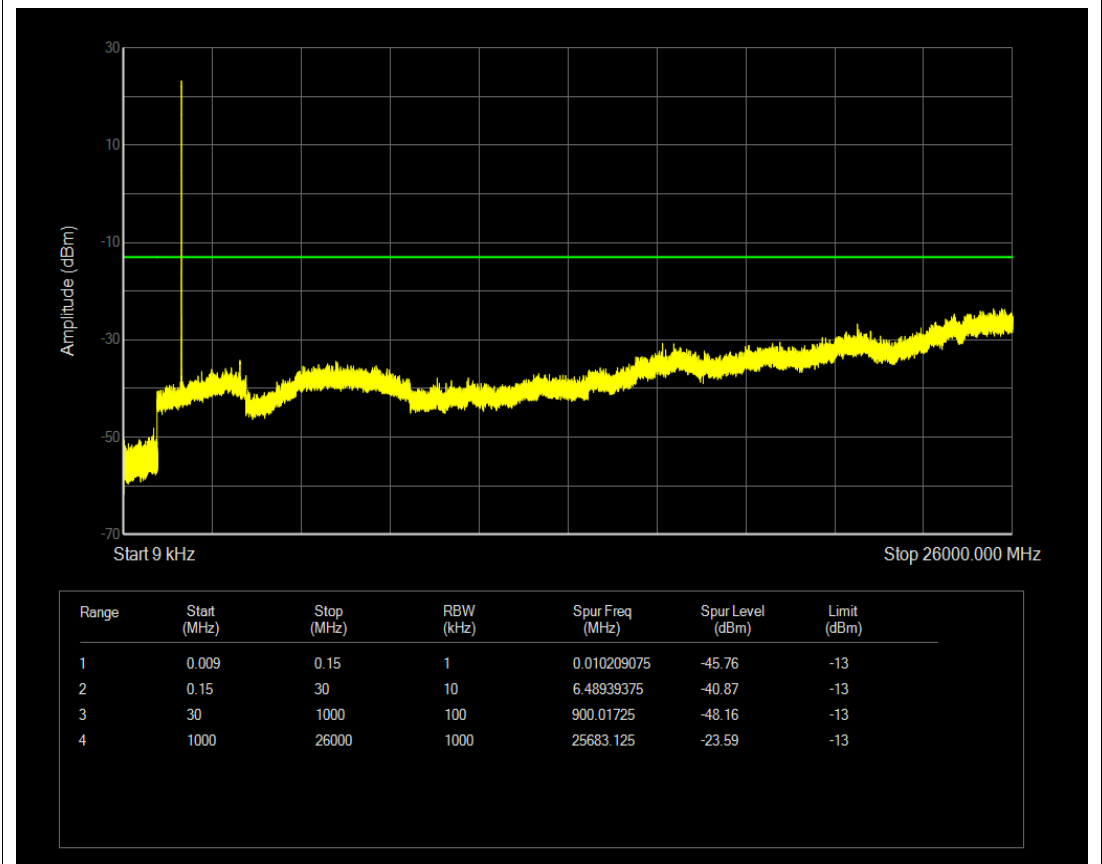
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



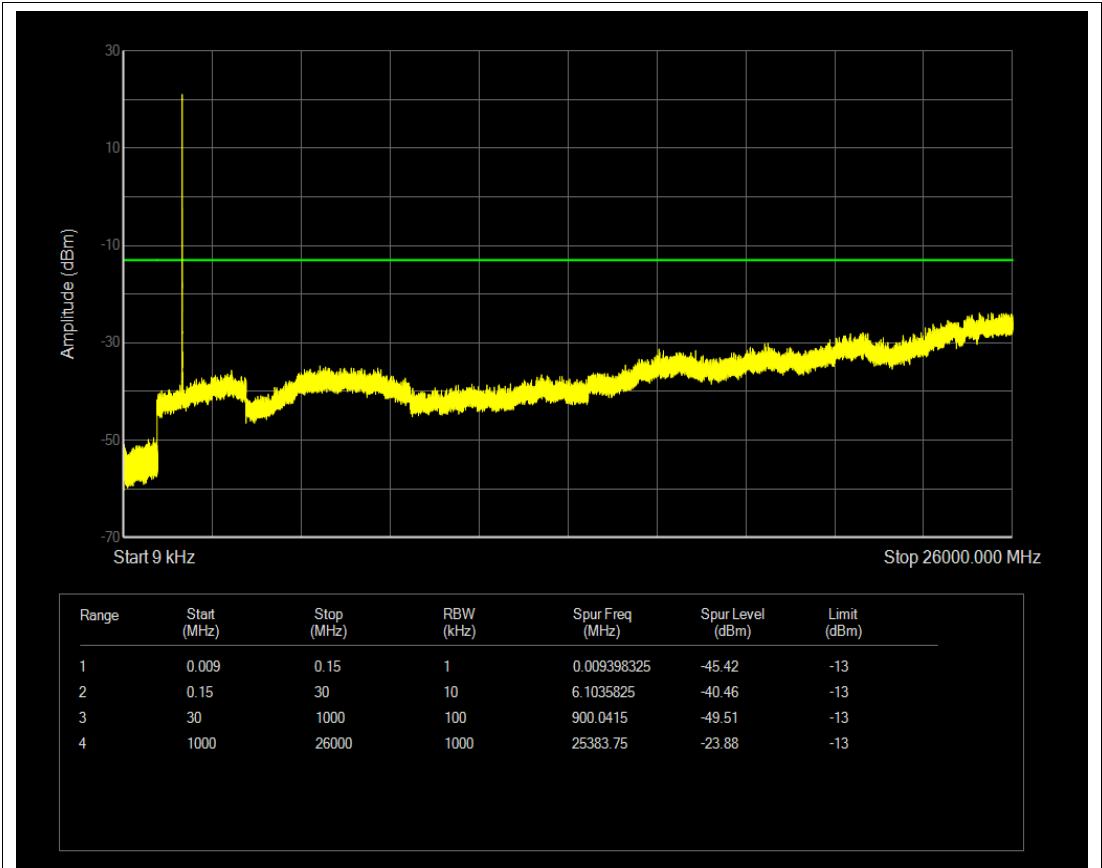
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



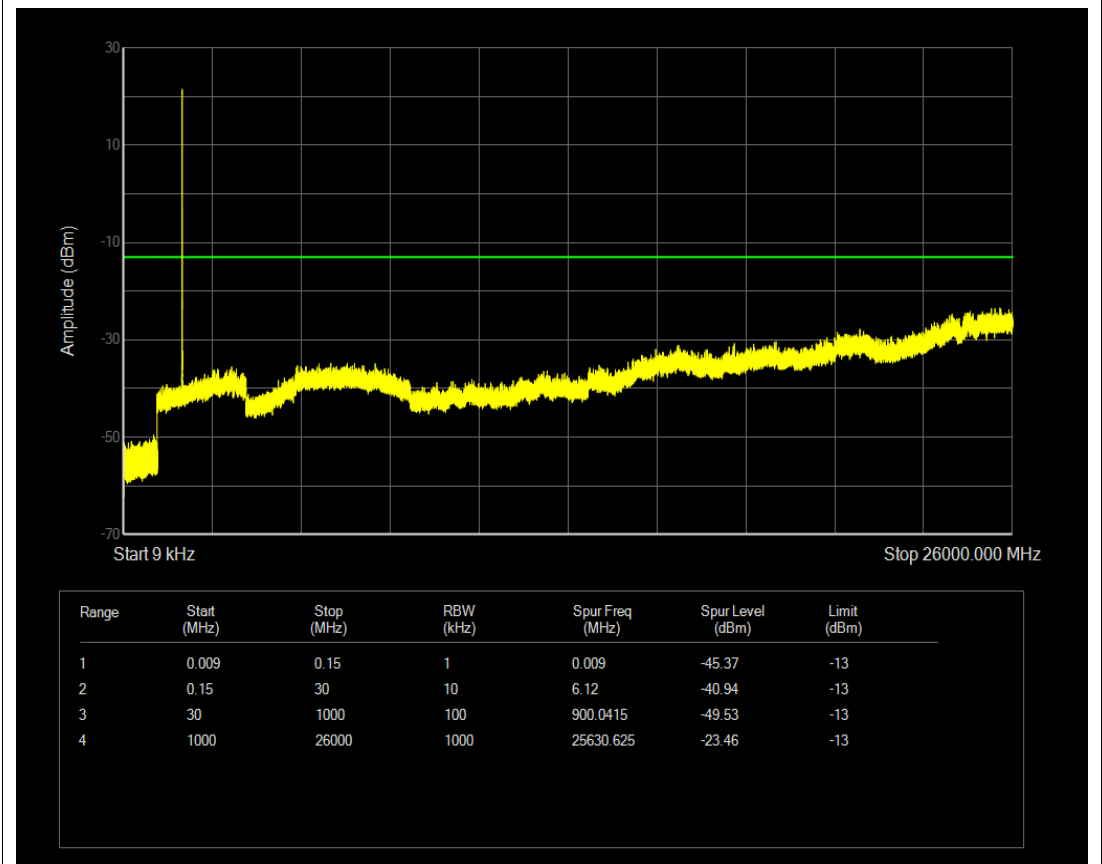
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



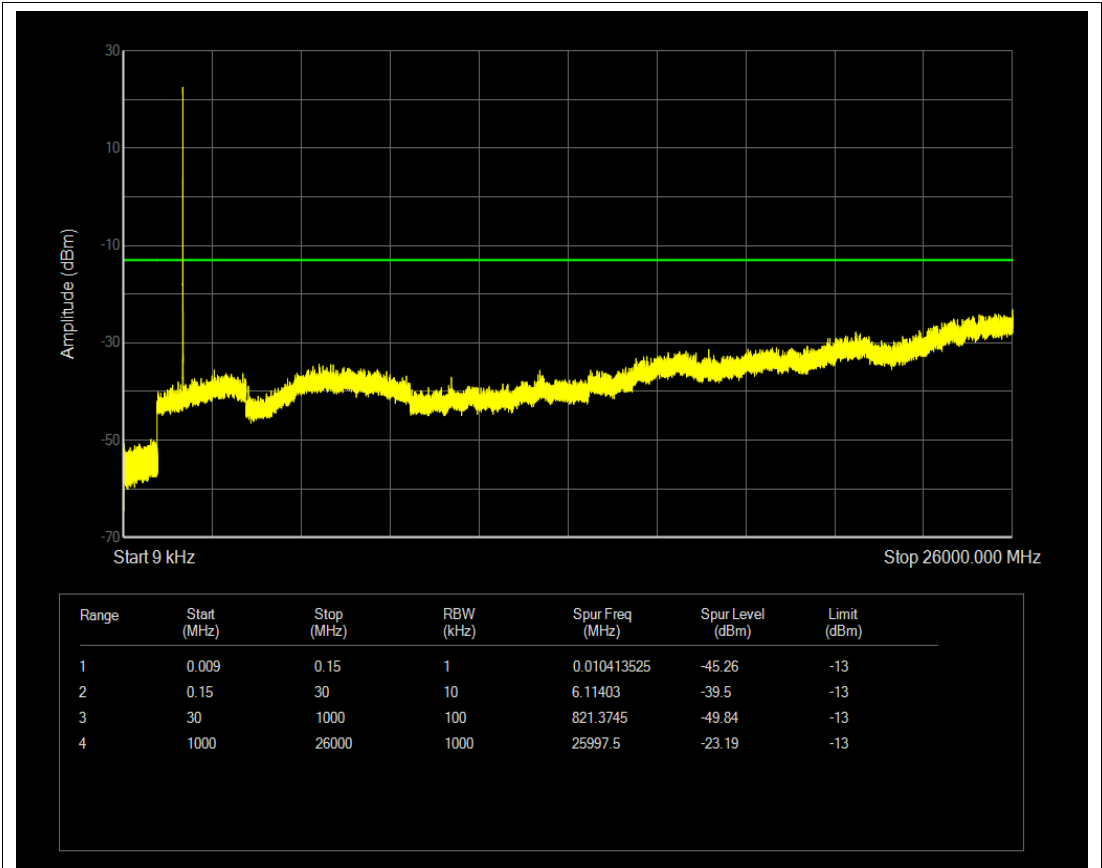
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



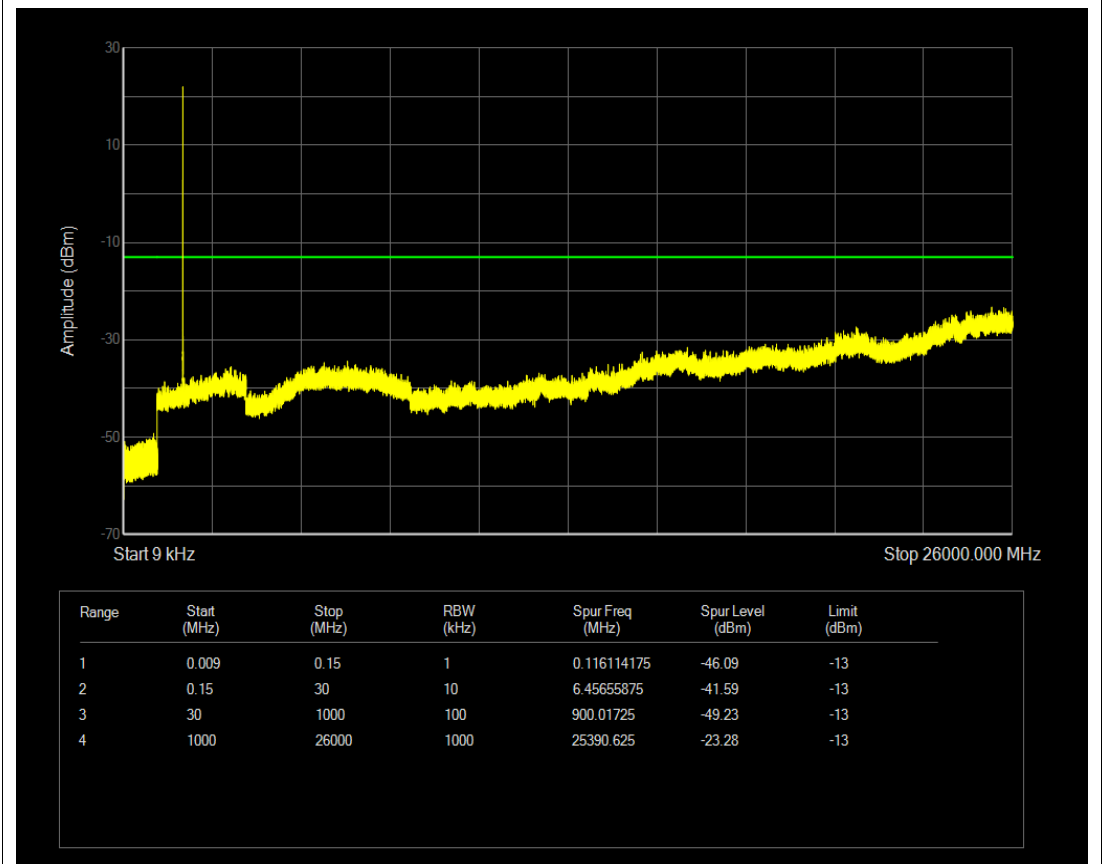
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



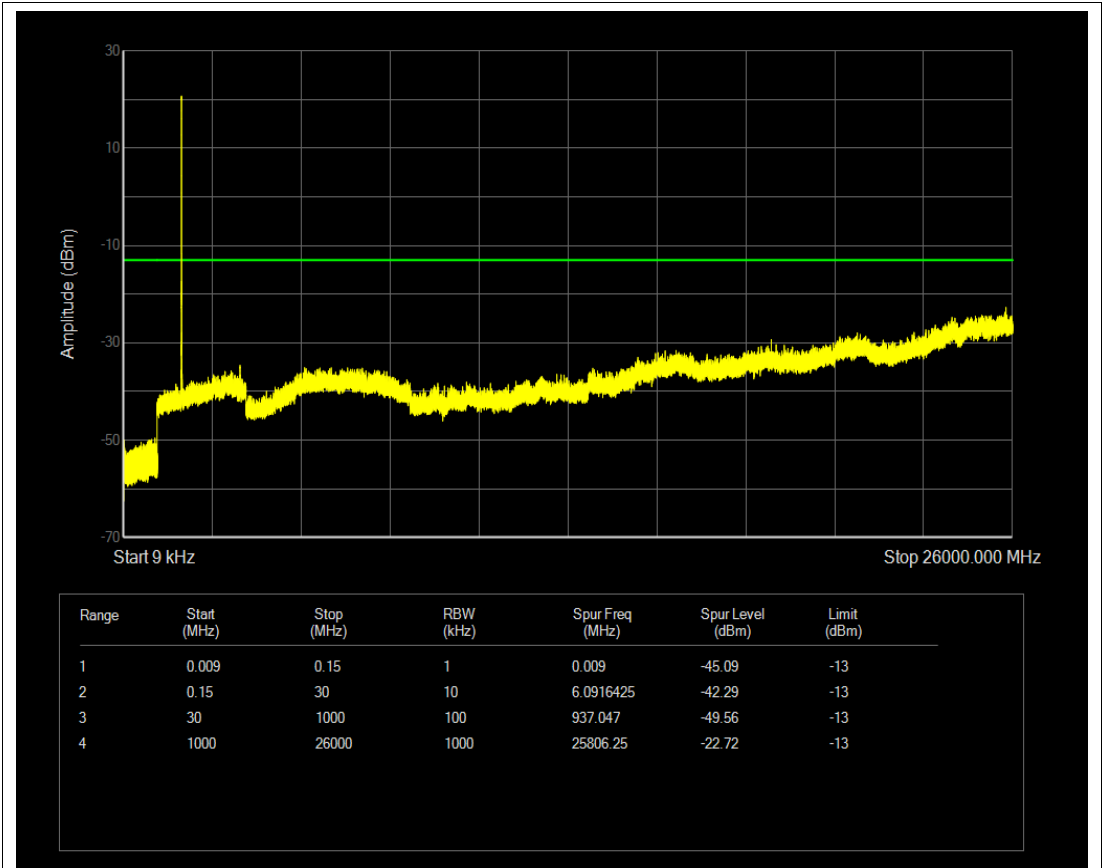
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



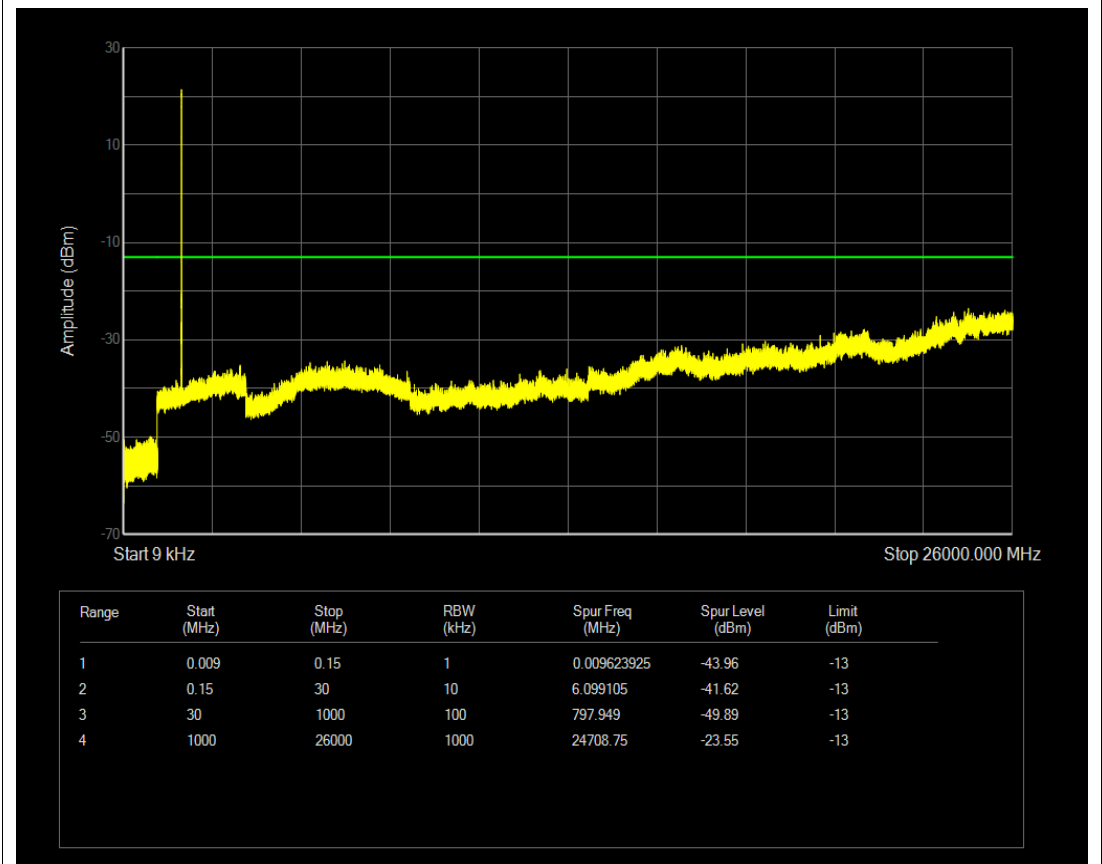
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



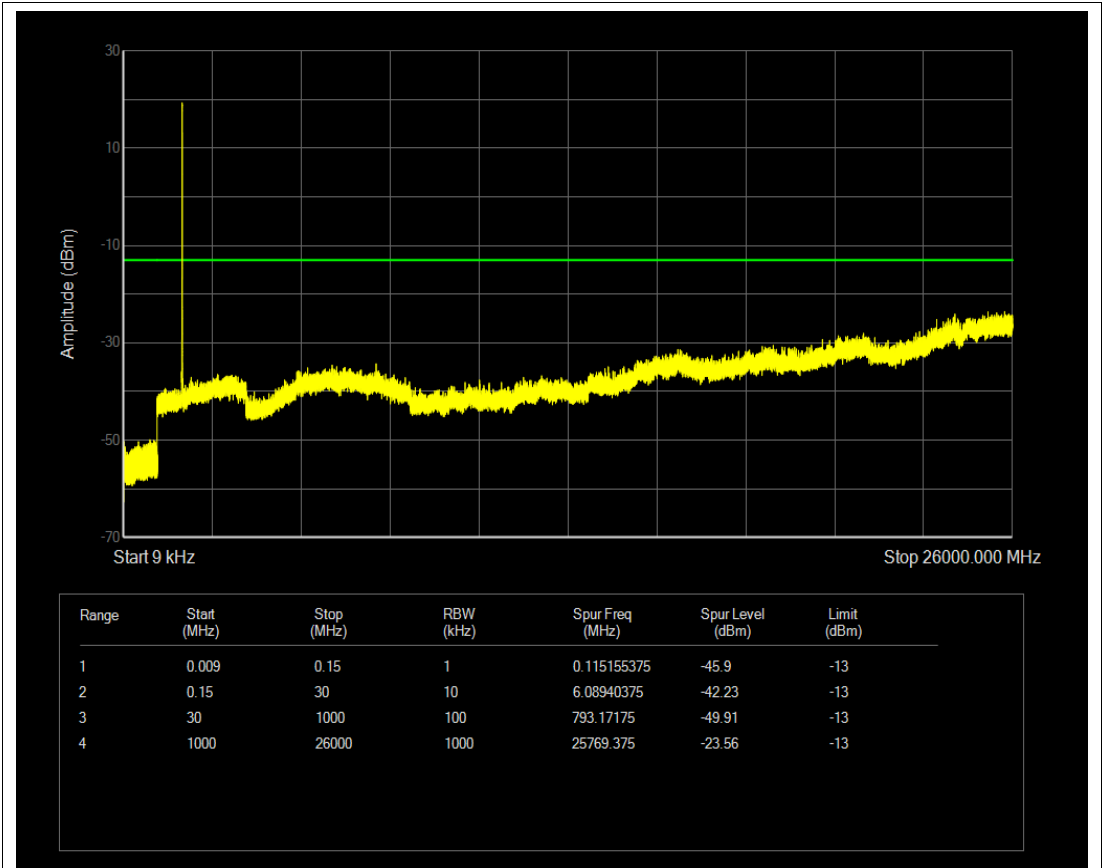
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



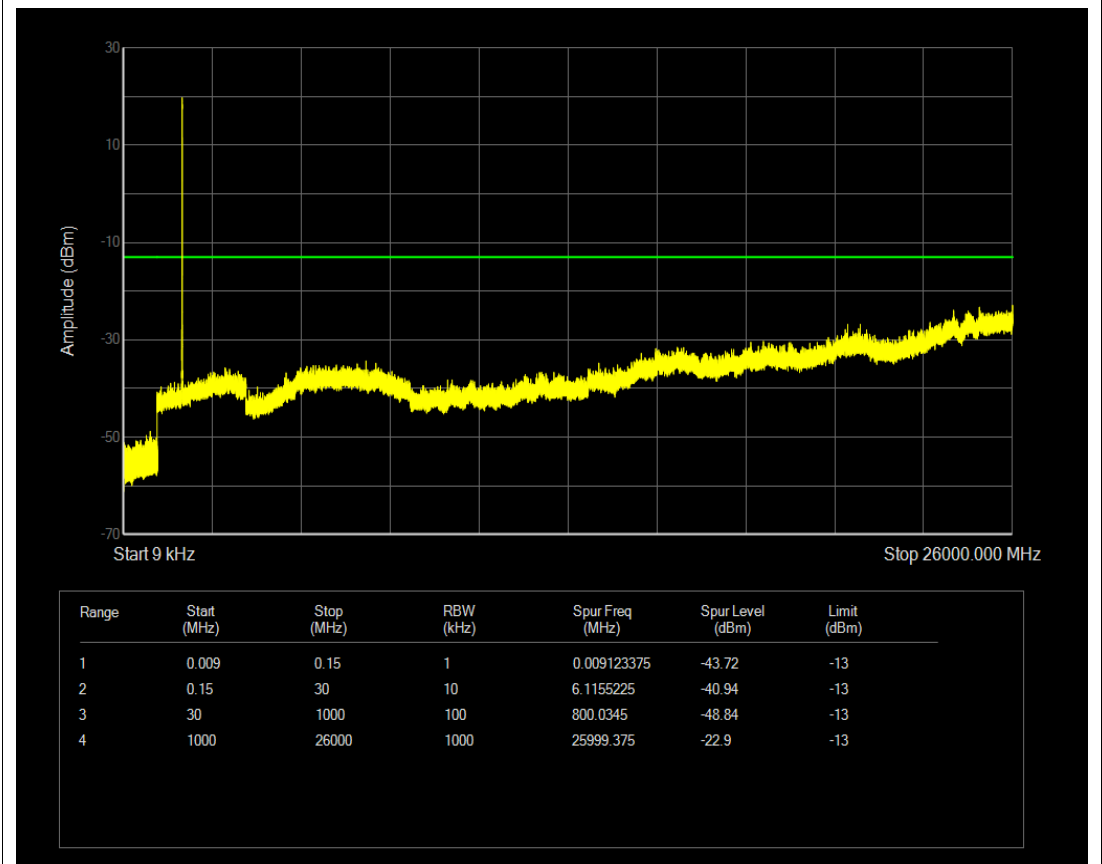
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



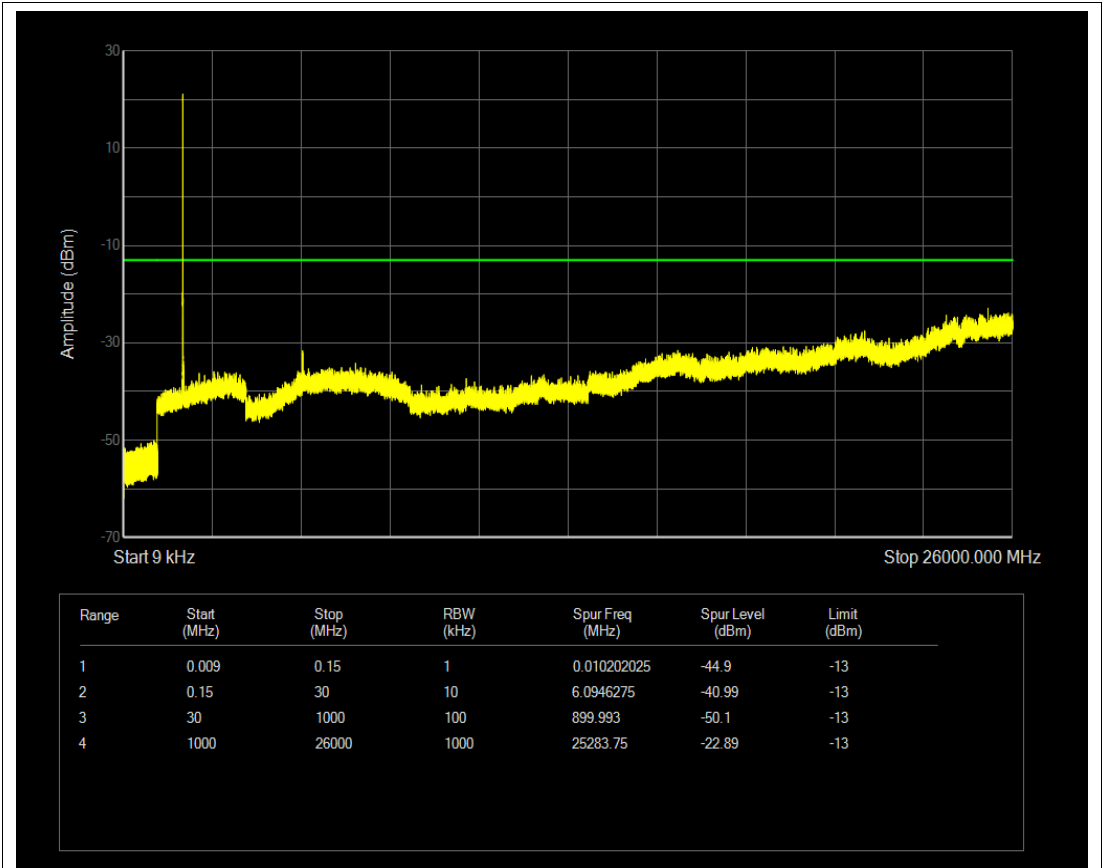
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



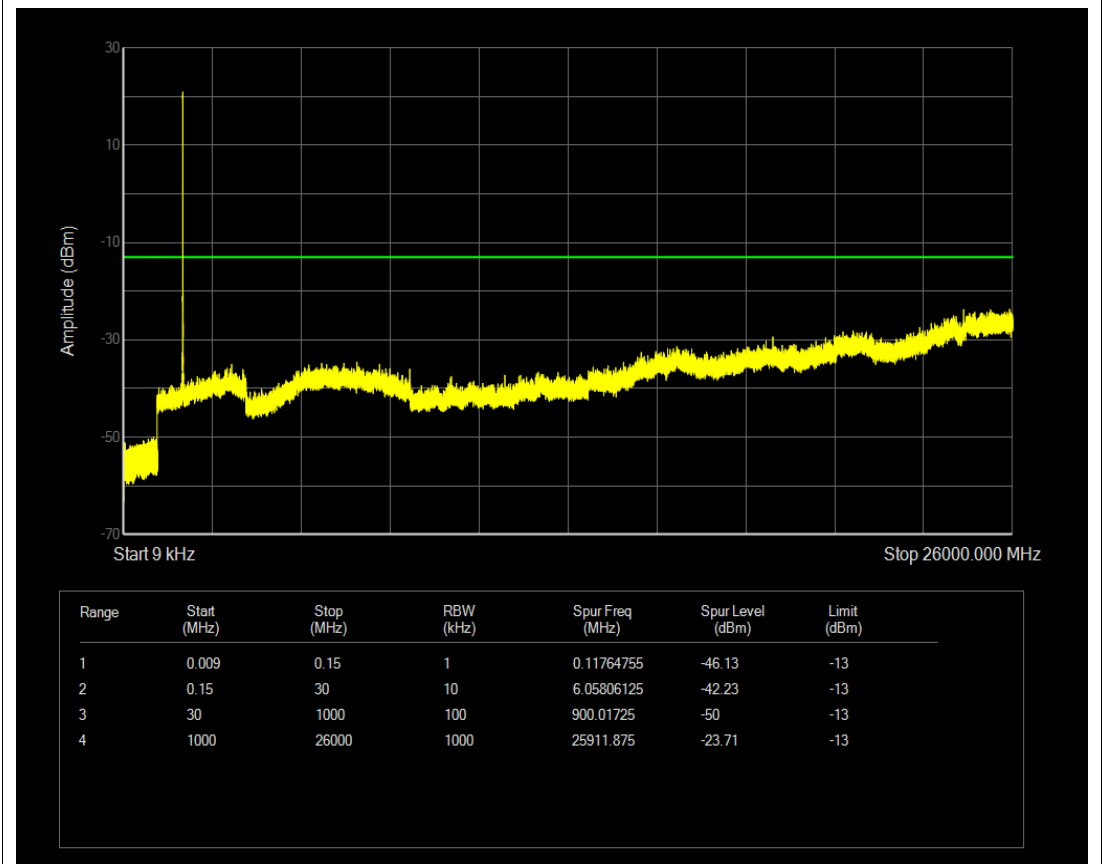
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



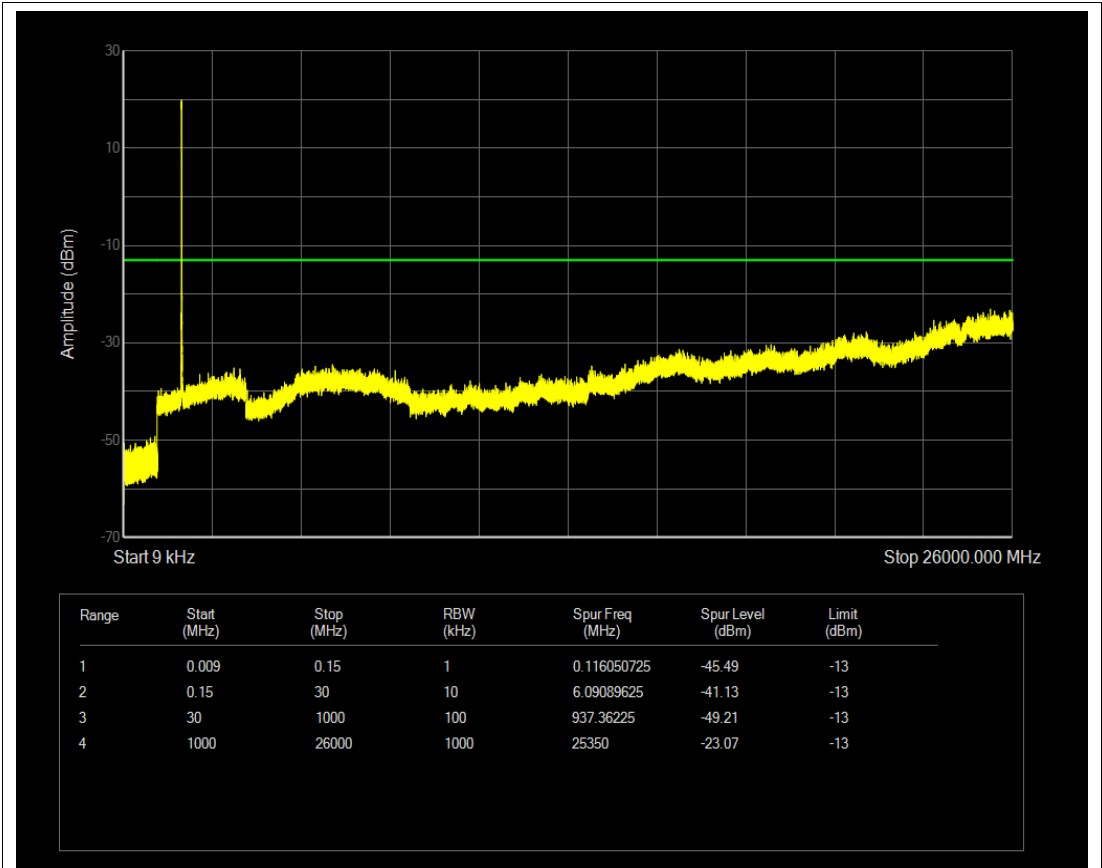
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



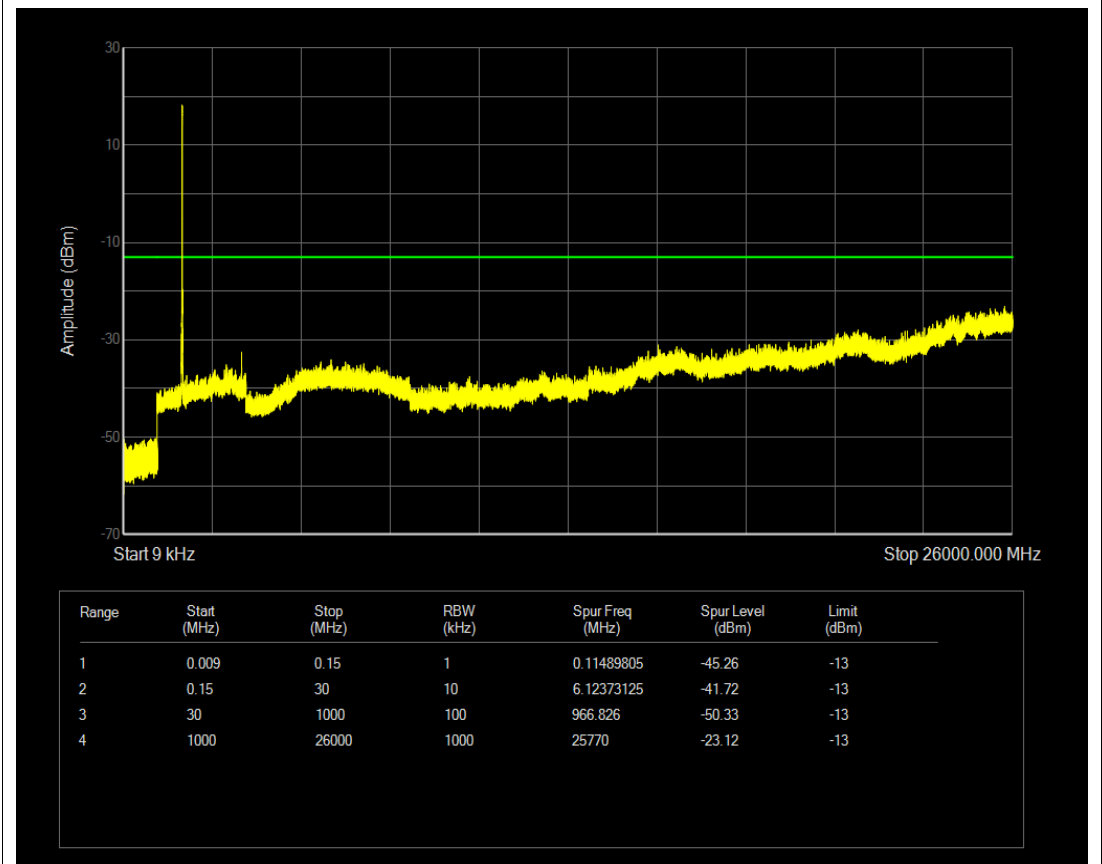
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



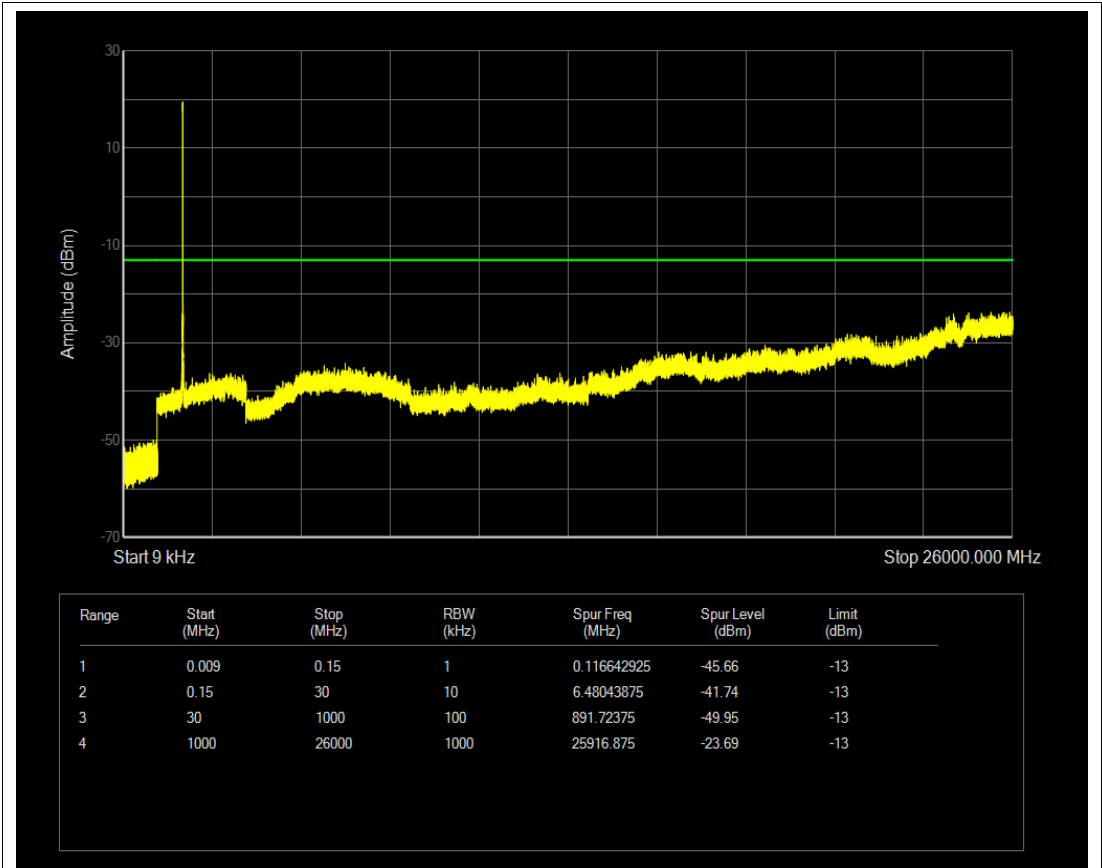
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



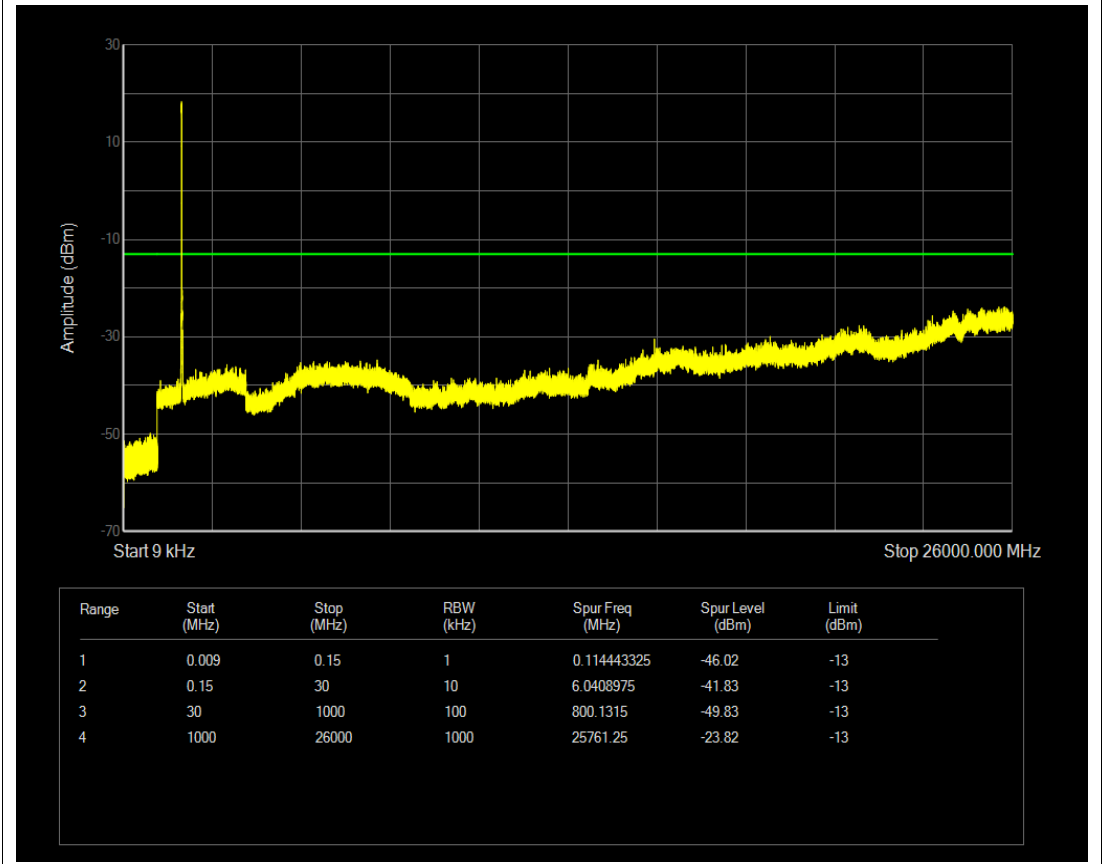
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



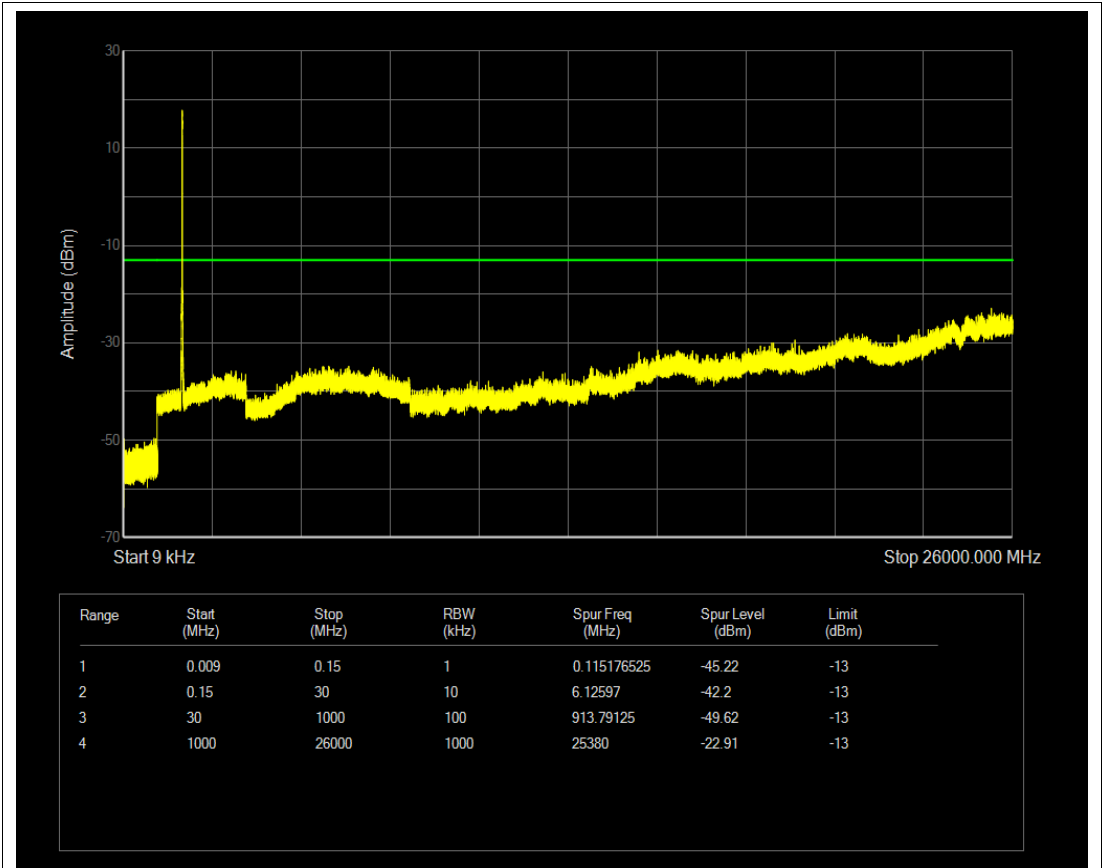
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



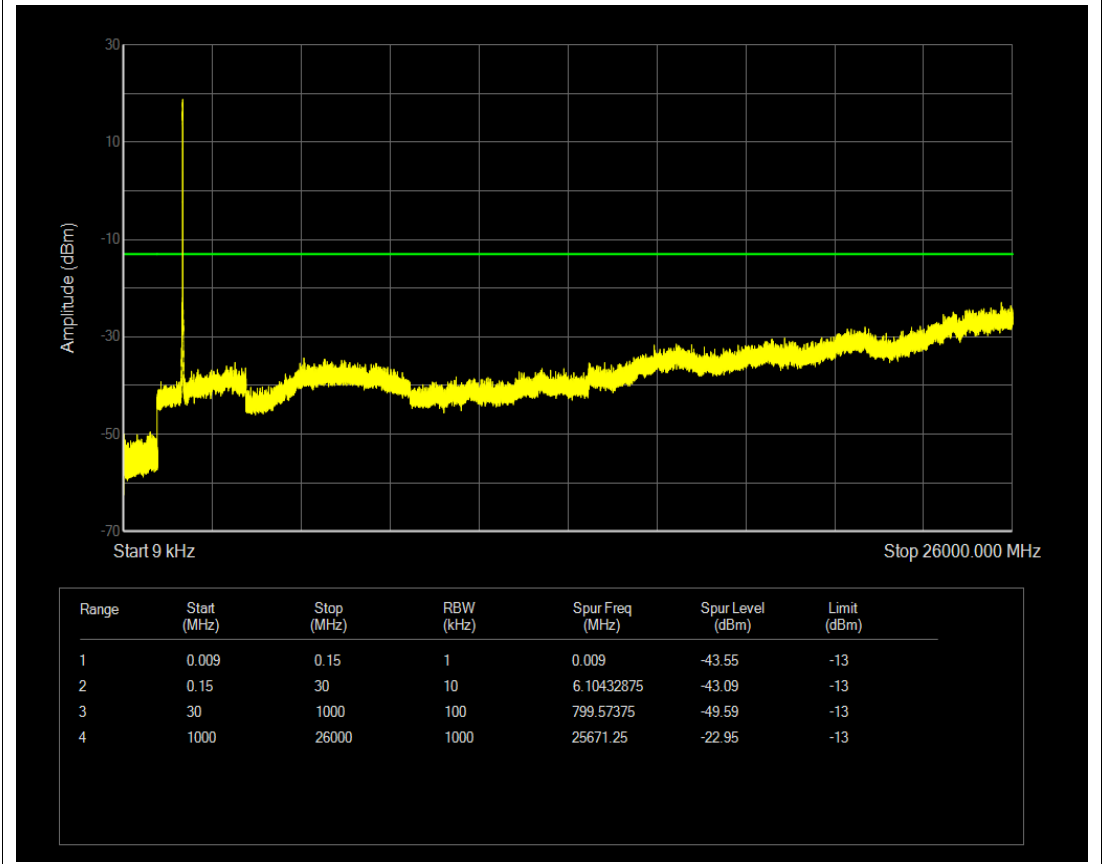
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



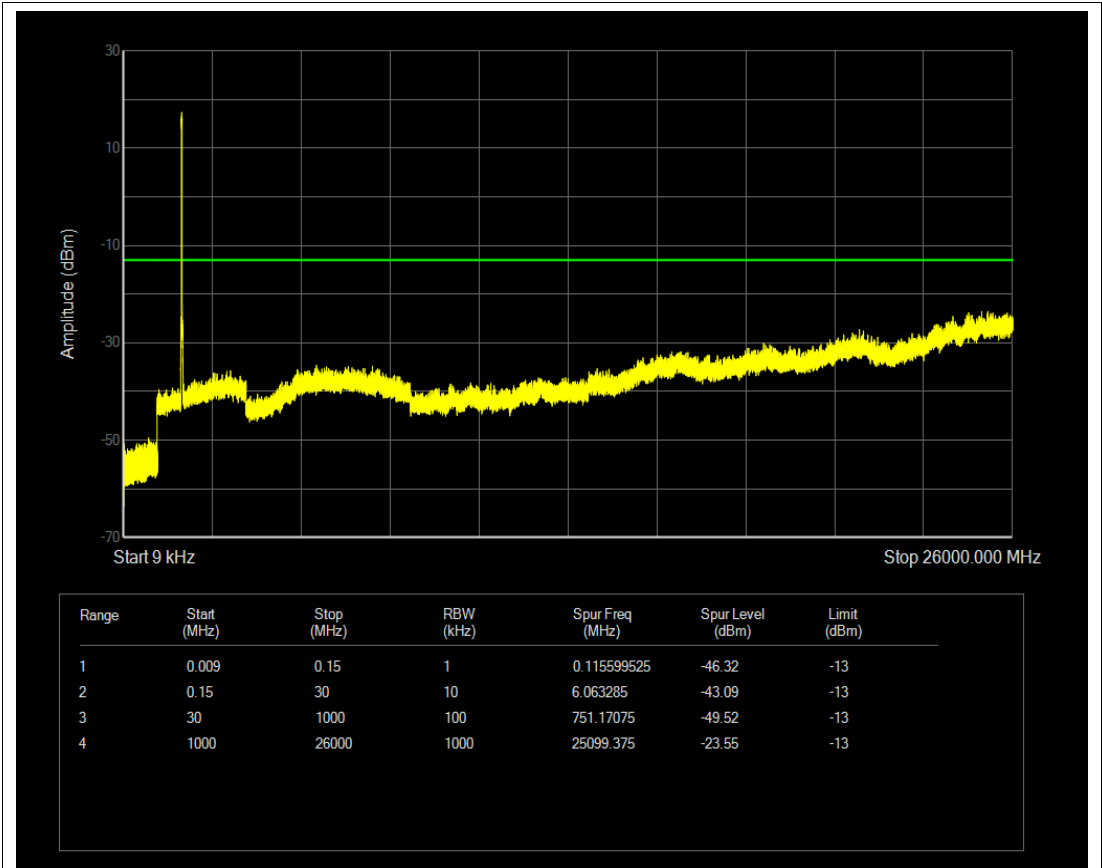
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



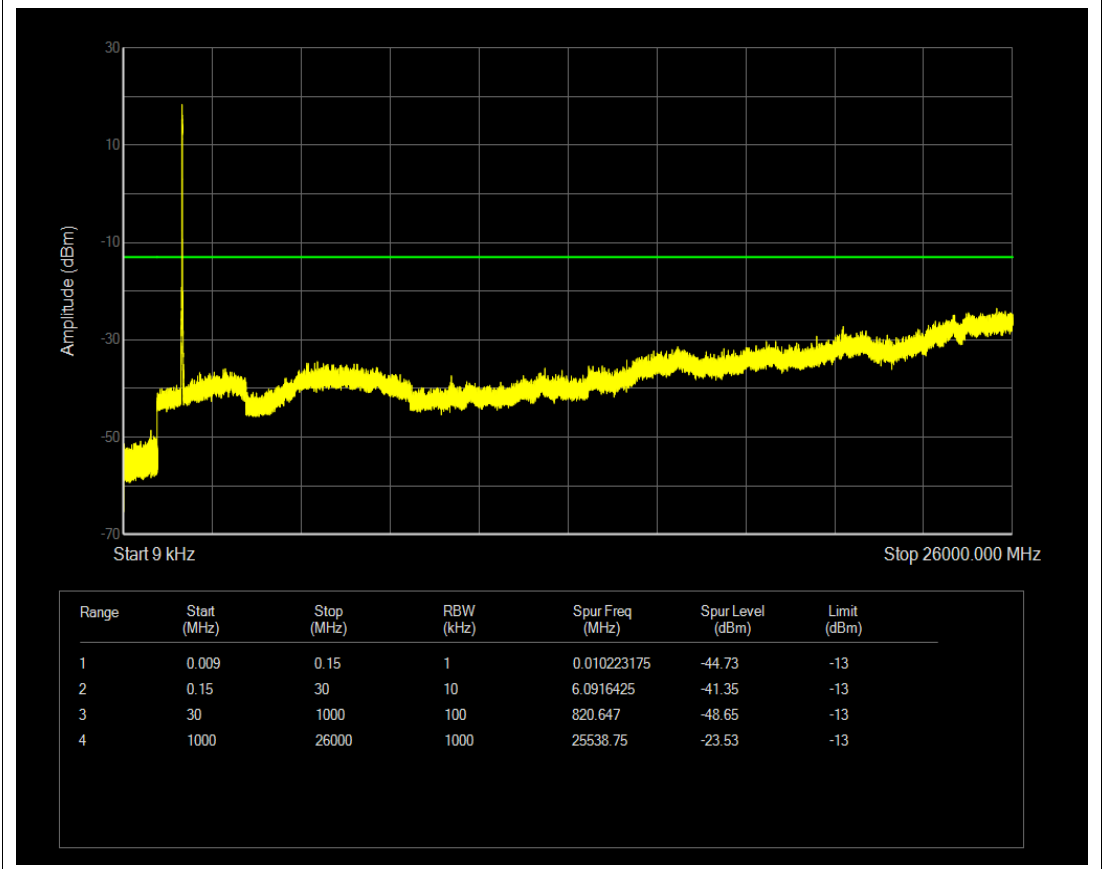
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



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



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



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

