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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	23.71	37	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.83	37	PASS
Band4	1.4	19957	1	#Max	QPSK	23.80	37	PASS
Band4	1.4	19957	3	#0	QPSK	23.72	37	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.71	37	PASS
Band4	1.4	19957	3	#Max	QPSK	23.65	37	PASS
Band4	1.4	19957	6	#0	QPSK	22.61	37	PASS
Band4	1.4	19957	1	#0	16QAM	22.67	37	PASS
Band4	1.4	19957	1	#Mid	16QAM	22.83	37	PASS
Band4	1.4	19957	1	#Max	16QAM	22.79	37	PASS
Band4	1.4	19957	3	#0	16QAM	22.66	37	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.67	37	PASS
Band4	1.4	19957	3	#Max	16QAM	22.63	37	PASS
Band4	1.4	19957	6	#0	16QAM	22.05	37	PASS
Band4	1.4	20175	1	#0	QPSK	22.62	37	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.65	37	PASS
Band4	1.4	20175	1	#Max	QPSK	22.65	37	PASS
Band4	1.4	20175	3	#0	QPSK	22.76	37	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.75	37	PASS
Band4	1.4	20175	3	#Max	QPSK	22.74	37	PASS
Band4	1.4	20175	6	#0	QPSK	21.82	37	PASS
Band4	1.4	20175	1	#0	16QAM	21.71	37	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.75	37	PASS
Band4	1.4	20175	1	#Max	16QAM	21.77	37	PASS
Band4	1.4	20175	3	#0	16QAM	22.10	37	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.11	37	PASS
Band4	1.4	20175	3	#Max	16QAM	22.11	37	PASS
Band4	1.4	20175	6	#0	16QAM	21.03	37	PASS
Band4	1.4	20393	1	#0	QPSK	23.26	37	PASS
Band4	1.4	20393	1	#Mid	QPSK	23.35	37	PASS
Band4	1.4	20393	1	#Max	QPSK	23.33	37	PASS
Band4	1.4	20393	3	#0	QPSK	23.28	37	PASS
Band4	1.4	20393	3	#Mid	QPSK	23.28	37	PASS
Band4	1.4	20393	3	#Max	QPSK	23.30	37	PASS
Band4	1.4	20393	6	#0	QPSK	22.41	37	PASS
Band4	1.4	20393	1	#0	16QAM	22.44	37	PASS
Band4	1.4	20393	1	#Mid	16QAM	22.50	37	PASS
Band4	1.4	20393	1	#Max	16QAM	22.51	37	PASS
Band4	1.4	20393	3	#0	16QAM	22.41	37	PASS
Band4	1.4	20393	3	#Mid	16QAM	22.43	37	PASS

Band4	1.4	20393	3	#Max	16QAM	22.46	37	PASS
Band4	1.4	20393	6	#0	16QAM	21.48	37	PASS
Band4	3	19965	1	#0	QPSK	23.55	37	PASS
Band4	3	19965	1	#Mid	QPSK	23.71	37	PASS
Band4	3	19965	1	#Max	QPSK	23.50	37	PASS
Band4	3	19965	8	#0	QPSK	22.61	37	PASS
Band4	3	19965	8	#Mid	QPSK	22.63	37	PASS
Band4	3	19965	8	#Max	QPSK	22.71	37	PASS
Band4	3	19965	15	#0	QPSK	22.68	37	PASS
Band4	3	19965	1	#0	16QAM	22.95	37	PASS
Band4	3	19965	1	#Mid	16QAM	23.13	37	PASS
Band4	3	19965	1	#Max	16QAM	22.94	37	PASS
Band4	3	19965	8	#0	16QAM	21.78	37	PASS
Band4	3	19965	8	#Mid	16QAM	21.82	37	PASS
Band4	3	19965	8	#Max	16QAM	21.79	37	PASS
Band4	3	19965	15	#0	16QAM	21.77	37	PASS
Band4	3	20175	1	#0	QPSK	22.48	37	PASS
Band4	3	20175	1	#Mid	QPSK	22.70	37	PASS
Band4	3	20175	1	#Max	QPSK	22.58	37	PASS
Band4	3	20175	8	#0	QPSK	21.73	37	PASS
Band4	3	20175	8	#Mid	QPSK	21.80	37	PASS
Band4	3	20175	8	#Max	QPSK	21.80	37	PASS
Band4	3	20175	15	#0	QPSK	21.89	37	PASS
Band4	3	20175	1	#0	16QAM	21.63	37	PASS
Band4	3	20175	1	#Mid	16QAM	21.88	37	PASS
Band4	3	20175	1	#Max	16QAM	21.77	37	PASS
Band4	3	20175	8	#0	16QAM	20.93	37	PASS
Band4	3	20175	8	#Mid	16QAM	21.03	37	PASS
Band4	3	20175	8	#Max	16QAM	21.00	37	PASS
Band4	3	20175	15	#0	16QAM	20.81	37	PASS
Band4	3	20385	1	#0	QPSK	23.05	37	PASS
Band4	3	20385	1	#Mid	QPSK	23.28	37	PASS
Band4	3	20385	1	#Max	QPSK	23.19	37	PASS
Band4	3	20385	8	#0	QPSK	22.26	37	PASS
Band4	3	20385	8	#Mid	QPSK	22.35	37	PASS
Band4	3	20385	8	#Max	QPSK	22.33	37	PASS
Band4	3	20385	15	#0	QPSK	22.32	37	PASS
Band4	3	20385	1	#0	16QAM	22.23	37	PASS
Band4	3	20385	1	#Mid	16QAM	22.45	37	PASS
Band4	3	20385	1	#Max	16QAM	22.35	37	PASS
Band4	3	20385	8	#0	16QAM	21.29	37	PASS
Band4	3	20385	8	#Mid	16QAM	21.36	37	PASS
Band4	3	20385	8	#Max	16QAM	21.36	37	PASS
Band4	3	20385	15	#0	16QAM	21.39	37	PASS

Band4	5	19975	1	#0	QPSK	23.54	37	PASS
Band4	5	19975	1	#Mid	QPSK	23.47	37	PASS
Band4	5	19975	1	#Max	QPSK	23.29	37	PASS
Band4	5	19975	12	#0	QPSK	22.65	37	PASS
Band4	5	19975	12	#Mid	QPSK	22.62	37	PASS
Band4	5	19975	12	#Max	QPSK	22.55	37	PASS
Band4	5	19975	25	#0	QPSK	22.55	37	PASS
Band4	5	19975	1	#0	16QAM	23.02	37	PASS
Band4	5	19975	1	#Mid	16QAM	23.01	37	PASS
Band4	5	19975	1	#Max	16QAM	22.88	37	PASS
Band4	5	19975	12	#0	16QAM	21.58	37	PASS
Band4	5	19975	12	#Mid	16QAM	21.57	37	PASS
Band4	5	19975	12	#Max	16QAM	21.50	37	PASS
Band4	5	19975	25	#0	16QAM	21.59	37	PASS
Band4	5	20175	1	#0	QPSK	22.68	37	PASS
Band4	5	20175	1	#Mid	QPSK	22.77	37	PASS
Band4	5	20175	1	#Max	QPSK	22.84	37	PASS
Band4	5	20175	12	#0	QPSK	21.87	37	PASS
Band4	5	20175	12	#Mid	QPSK	21.92	37	PASS
Band4	5	20175	12	#Max	QPSK	21.99	37	PASS
Band4	5	20175	25	#0	QPSK	21.91	37	PASS
Band4	5	20175	1	#0	16QAM	22.06	37	PASS
Band4	5	20175	1	#Mid	16QAM	22.19	37	PASS
Band4	5	20175	1	#Max	16QAM	22.26	37	PASS
Band4	5	20175	12	#0	16QAM	20.84	37	PASS
Band4	5	20175	12	#Mid	16QAM	20.89	37	PASS
Band4	5	20175	12	#Max	16QAM	20.98	37	PASS
Band4	5	20175	25	#0	16QAM	20.92	37	PASS
Band4	5	20375	1	#0	QPSK	23.21	37	PASS
Band4	5	20375	1	#Mid	QPSK	23.22	37	PASS
Band4	5	20375	1	#Max	QPSK	23.28	37	PASS
Band4	5	20375	12	#0	QPSK	22.32	37	PASS
Band4	5	20375	12	#Mid	QPSK	22.37	37	PASS
Band4	5	20375	12	#Max	QPSK	22.40	37	PASS
Band4	5	20375	25	#0	QPSK	22.38	37	PASS
Band4	5	20375	1	#0	16QAM	22.86	37	PASS
Band4	5	20375	1	#Mid	16QAM	22.90	37	PASS
Band4	5	20375	1	#Max	16QAM	22.97	37	PASS
Band4	5	20375	12	#0	16QAM	21.40	37	PASS
Band4	5	20375	12	#Mid	16QAM	21.44	37	PASS
Band4	5	20375	12	#Max	16QAM	21.48	37	PASS
Band4	5	20375	25	#0	16QAM	21.44	37	PASS
Band4	10	20000	1	#0	QPSK	23.76	37	PASS
Band4	10	20000	1	#Mid	QPSK	23.65	37	PASS

Band4	10	20000	1	#Max	QPSK	23.43	37	PASS
Band4	10	20000	50	#0	QPSK	22.74	37	PASS
Band4	10	20000	1	#0	16QAM	23.22	37	PASS
Band4	10	20000	1	#Mid	16QAM	23.11	37	PASS
Band4	10	20000	1	#Max	16QAM	22.97	37	PASS
Band4	10	20175	1	#0	QPSK	22.90	37	PASS
Band4	10	20175	1	#Mid	QPSK	22.96	37	PASS
Band4	10	20175	1	#Max	QPSK	23.07	37	PASS
Band4	10	20175	50	#0	QPSK	22.18	37	PASS
Band4	10	20175	1	#0	16QAM	22.00	37	PASS
Band4	10	20175	1	#Mid	16QAM	22.10	37	PASS
Band4	10	20175	1	#Max	16QAM	22.23	37	PASS
Band4	10	20350	1	#0	QPSK	23.39	37	PASS
Band4	10	20350	1	#Mid	QPSK	23.44	37	PASS
Band4	10	20350	1	#Max	QPSK	23.47	37	PASS
Band4	10	20350	50	#0	QPSK	22.62	37	PASS
Band4	10	20350	1	#0	16QAM	22.62	37	PASS
Band4	10	20350	1	#Mid	16QAM	22.66	37	PASS
Band4	10	20350	1	#Max	16QAM	22.69	37	PASS
Band4	15	20025	1	#0	QPSK	23.62	37	PASS
Band4	15	20025	1	#Mid	QPSK	23.35	37	PASS
Band4	15	20025	1	#Max	QPSK	22.81	37	PASS
Band4	15	20025	75	#0	QPSK	23.32	37	PASS
Band4	15	20025	1	#0	16QAM	23.11	37	PASS
Band4	15	20025	1	#Mid	16QAM	22.78	37	PASS
Band4	15	20025	1	#Max	16QAM	22.26	37	PASS
Band4	15	20175	1	#0	QPSK	22.90	37	PASS
Band4	15	20175	1	#Mid	QPSK	22.92	37	PASS
Band4	15	20175	1	#Max	QPSK	23.21	37	PASS
Band4	15	20175	75	#0	QPSK	23.08	37	PASS
Band4	15	20175	1	#0	16QAM	22.01	37	PASS
Band4	15	20175	1	#Mid	16QAM	21.98	37	PASS
Band4	15	20175	1	#Max	16QAM	22.28	37	PASS
Band4	15	20325	1	#0	QPSK	23.23	37	PASS
Band4	15	20325	1	#Mid	QPSK	23.39	37	PASS
Band4	15	20325	1	#Max	QPSK	23.46	37	PASS
Band4	15	20325	75	#0	QPSK	23.37	37	PASS
Band4	15	20325	1	#0	16QAM	22.61	37	PASS
Band4	15	20325	1	#Mid	16QAM	22.79	37	PASS
Band4	15	20325	1	#Max	16QAM	22.86	37	PASS
Band4	20	20050	1	#0	QPSK	23.64	37	PASS
Band4	20	20050	1	#Mid	QPSK	23.28	37	PASS
Band4	20	20050	1	#Max	QPSK	22.76	37	PASS
Band4	20	20050	100	#0	QPSK	23.18	37	PASS

Band4	20	20050	1	#0	16QAM	22.92	37	PASS
Band4	20	20050	1	#Mid	16QAM	22.56	37	PASS
Band4	20	20050	1	#Max	16QAM	22.04	37	PASS
Band4	20	20175	1	#0	QPSK	23.26	37	PASS
Band4	20	20175	1	#Mid	QPSK	23.21	37	PASS
Band4	20	20175	1	#Max	QPSK	23.60	37	PASS
Band4	20	20175	100	#0	QPSK	23.47	37	PASS
Band4	20	20175	1	#0	16QAM	22.24	37	PASS
Band4	20	20175	1	#Mid	16QAM	22.22	37	PASS
Band4	20	20175	1	#Max	16QAM	22.60	37	PASS
Band4	20	20300	1	#0	QPSK	22.81	37	PASS
Band4	20	20300	1	#Mid	QPSK	23.24	37	PASS
Band4	20	20300	1	#Max	QPSK	23.33	37	PASS
Band4	20	20300	100	#0	QPSK	23.09	37	PASS
Band4	20	20300	1	#0	16QAM	22.15	37	PASS
Band4	20	20300	1	#Mid	16QAM	22.60	37	PASS
Band4	20	20300	1	#Max	16QAM	22.71	37	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
Band 4	1.4	19957	6	#0	QPSK	LV	NT	2.06	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-0.89	-0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	0.64	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-2.78	-0.002	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-0.73	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-1.67	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	-1.56	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	-2.10	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	-2.60	-0.002	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	1.19	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	-2.50	-0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	-2.36	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	-4.06	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-1.16	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-0.96	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-0.97	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	1.73	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-1.76	-0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	LV	NT	2.45	0.001	-2.5	2.5	PASS

Band 4	3	19965	15	#0	QPSK	NV	NT	-1.50	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-1.39	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-2.73	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-1.96	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-3.25	-0.00 2	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	-0.49	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	-2.32	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	-2.40	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	-2.96	-0.00 2	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	-0.24	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	-2.33	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-1.65	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	-2.12	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	-2.95	-0.00 2	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	-1.22	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	-2.52	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	-2.10	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-0.99	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-0.44	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-1.34	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	-0.72	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	NT	-2.66	-0.00 2	-2.5	2.5	PASS

Band 4	5	19975	25	#0	16QAM	HV	NT	-4.43	-0.00 3	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-1.83	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	-3.62	-0.00 2	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	-3.88	-0.00 2	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	-2.00	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	-1.95	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	-2.68	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	-3.03	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	-0.96	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-0.30	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-2.10	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	-0.70	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	-0.27	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-30	1.39	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	-2.66	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	-1.33	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	-2.72	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	0.47	0.000	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	30	-1.85	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	40	-2.79	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	50	-2.63	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-30	-4.42	-0.00 3	-2.5	2.5	PASS

Band 4	1.4	19957	6	#0	16QAM	NV	-20	-3.32	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	0	-2.89	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	10	-3.29	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	20	-3.15	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	30	-3.03	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	40	-1.56	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	50	-2.35	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	-1.54	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	-3.83	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	-2.40	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	-3.91	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	-1.75	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	30	-0.70	0.000	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	40	-1.54	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	50	-1.19	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-30	-2.66	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-20	-1.10	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	0	-2.39	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	10	-1.73	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	20	-1.63	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	30	-1.10	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	40	0.13	0.000	-2.5	2.5	PASS

Band 4	1.4	20175	6	#0	16QAM	NV	50	-1.26	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	-1.26	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-2.69	-0.00 2	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-2.22	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-1.50	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-1.93	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	30	-2.10	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	40	-1.60	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	50	-0.93	-0.00 1	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-30	-0.21	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-20	-0.86	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	0	0.66	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	10	-0.62	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	20	-0.66	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	30	-0.19	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	40	0.41	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	50	1.06	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	0.94	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	0.97	0.001	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	-0.51	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	-2.98	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	-3.53	-0.00 2	-2.5	2.5	PASS

Band 4	3	19965	15	#0	QPSK	NV	30	-1.42	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	40	-3.43	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	50	-2.68	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-30	-2.26	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-20	-3.23	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	0	-1.03	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	10	-1.46	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	20	-2.70	-0.00 2	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	30	-2.36	-0.00 1	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	40	-0.13	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	50	-1.59	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-0.74	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	-1.20	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-1.65	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	-2.10	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	-1.33	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	30	-1.66	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	40	-2.40	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	50	-1.75	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-30	-2.15	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-20	1.06	0.001	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	0	-1.85	-0.00 1	-2.5	2.5	PASS

Band 4	3	20175	15	#0	16QAM	NV	10	-1.10	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	20	-0.80	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	30	0.86	0.000	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	40	-1.32	-0.00 1	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	50	-0.14	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	-1.36	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	-0.62	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	-0.07	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	-0.31	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	-0.46	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	30	0.10	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	40	-0.56	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	50	-0.63	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-30	-0.92	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-20	0.63	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	0	-2.16	-0.00 1	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	10	0.06	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	20	-0.59	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	30	-0.03	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	40	0.10	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	50	0.47	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	2.37	0.001	-2.5	2.5	PASS

Band 4	5	19975	25	#0	QPSK	NV	-20	2.06	0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	-0.16	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	-1.46	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	-2.13	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	30	-2.70	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	40	-2.65	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	50	-3.58	-0.00 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-30	-0.23	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-20	-1.37	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	0	-1.39	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	10	-0.36	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	20	-0.30	0.000	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	30	-1.22	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	40	-0.87	-0.00 1	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	50	-1.06	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	-0.70	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	-1.70	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	-1.19	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	-1.66	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	-2.22	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	30	-1.12	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	40	-2.45	-0.00 1	-2.5	2.5	PASS

Band 4	5	20175	25	#0	QPSK	NV	50	-2.35	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-30	-0.70	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-20	-1.14	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	0	-1.70	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	10	0.84	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	20	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	30	-1.13	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	40	-0.29	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	50	1.00	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-30	0.07	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	-1.56	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	-1.37	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-0.03	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	0.27	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	30	0.26	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	40	-1.30	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	50	-0.41	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-30	-1.46	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-20	1.63	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	0	-0.10	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	10	0.17	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	20	0.56	0.000	-2.5	2.5	PASS

Band 4	5	20375	25	#0	16QAM	NV	30	1.09	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	40	0.94	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	50	0.53	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	1.99	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	0.06	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	-1.20	-0.00 1	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	NT	-1.67	-0.00 1	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	HV	NT	-1.43	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-0.79	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	-1.06	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-2.43	-0.00 1	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	0.51	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-0.94	-0.00 1	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-1.95	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	-1.04	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-3.59	-0.00 2	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-0.84	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-1.09	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	-1.89	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	-2.43	-0.00 1	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	1.04	0.001	-2.5	2.5	PASS

Band 4	20	20050	100	#0	QPSK	NV	NT	-2.68	-0.00 2	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-3.45	-0.00 2	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-1.10	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-2.19	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-1.83	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	-2.63	-0.00 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	-1.67	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	HV	NT	-1.99	-0.00 1	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	1.63	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-1.62	-0.00 1	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-1.42	-0.00 1	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-3.96	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-4.01	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	30	-3.59	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	40	-4.22	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	50	-2.73	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	-3.38	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-20	-1.89	-0.00 1	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	0	-2.83	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	-3.05	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-3.28	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	30	-3.29	-0.00 2	-2.5	2.5	PASS

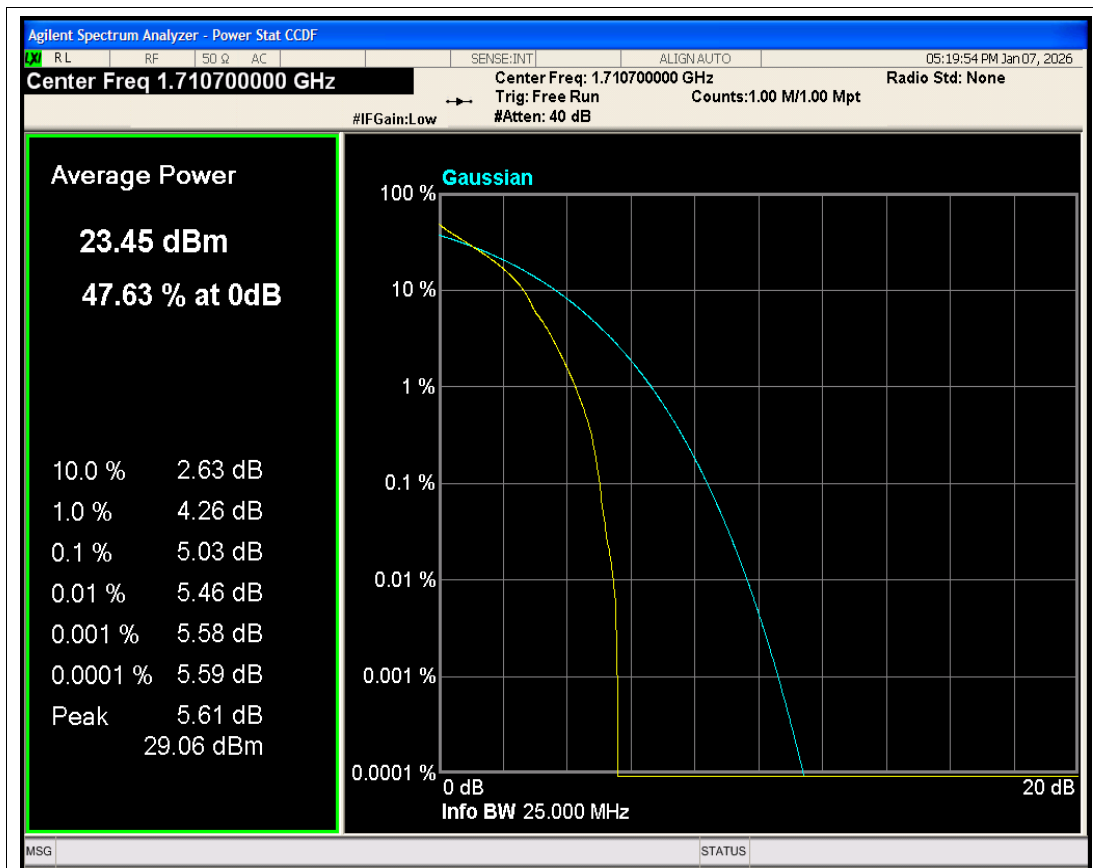
Band 4	10	20175	50	#0	QPSK	NV	40	-3.45	-0.00 2	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	50	-0.44	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	-2.17	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	-0.72	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-0.90	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	-1.32	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	-0.47	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	30	-1.19	-0.00 1	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	40	1.54	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	50	-1.76	-0.00 1	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	2.39	0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	-0.07	0.000	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	0	-3.10	-0.00 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	10	-1.85	-0.00 1	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	-2.96	-0.00 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	30	-3.36	-0.00 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	40	-3.02	-0.00 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	50	-2.92	-0.00 2	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	-0.73	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	-2.16	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	-2.22	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	-2.20	-0.00 1	-2.5	2.5	PASS

Band 4	15	20175	75	#0	QPSK	NV	20	-0.84	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	30	-1.66	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	40	-0.67	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	50	-1.47	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	-1.17	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	0.07	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	0.76	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	10	-0.53	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	20	0.10	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	30	-1.50	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	40	-0.41	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	50	-0.70	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-30	2.46	0.001	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-20	-0.37	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	-2.40	-0.00 1	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	-2.90	-0.00 2	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	-2.78	-0.00 2	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	30	-2.52	-0.00 1	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	40	-4.01	-0.00 2	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	50	-0.96	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-0.82	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	-1.69	-0.00 1	-2.5	2.5	PASS

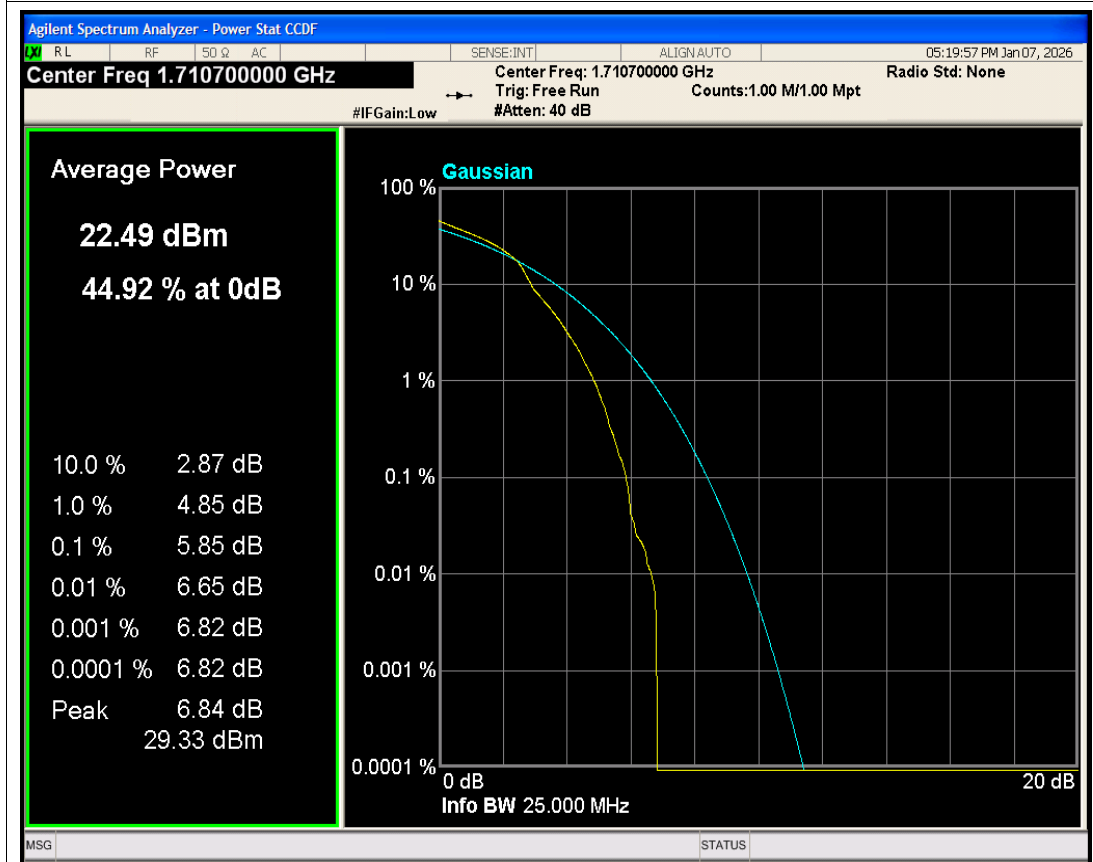
Band 4	20	20175	100	#0	QPSK	NV	0	-0.43	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	0.11	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	-2.69	-0.00 2	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	30	-0.46	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	40	-1.73	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	50	-2.13	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	-1.75	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	-0.19	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	-1.40	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	10	-1.43	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	-0.37	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	30	-1.97	-0.00 1	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	40	0.20	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	50	-1.19	-0.00 1	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

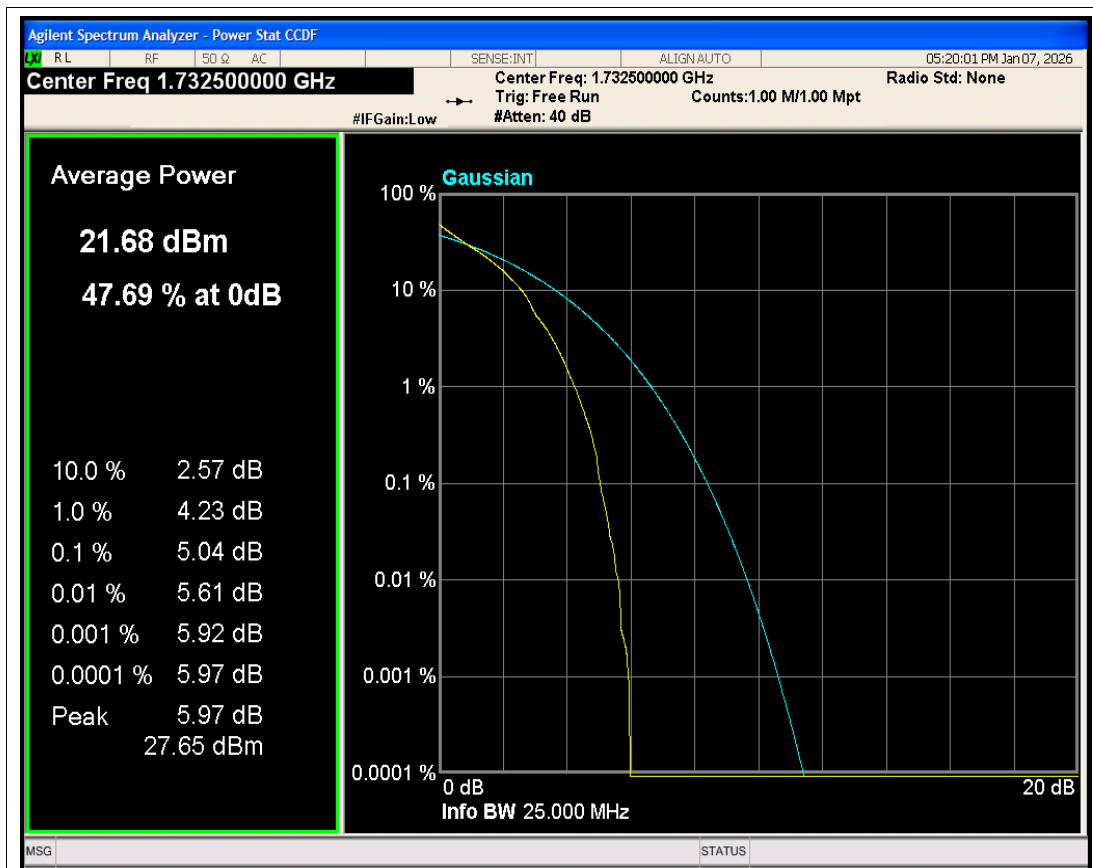
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.03	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.85	13	PASS
Band4	1.4	20175	1	#0	QPSK	5.04	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.77	13	PASS
Band4	1.4	20393	1	#0	QPSK	4.53	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.28	13	PASS
Band4	3	19965	1	#0	QPSK	5.14	13	PASS
Band4	3	19965	1	#0	16QAM	6.26	13	PASS
Band4	3	20175	1	#0	QPSK	5.22	13	PASS
Band4	3	20175	1	#0	16QAM	6.01	13	PASS
Band4	3	20385	1	#0	QPSK	4.70	13	PASS
Band4	3	20385	1	#0	16QAM	5.42	13	PASS
Band4	5	19975	1	#0	QPSK	4.96	13	PASS
Band4	5	19975	1	#0	16QAM	5.85	13	PASS
Band4	5	20175	1	#0	QPSK	5.40	13	PASS
Band4	5	20175	1	#0	16QAM	5.98	13	PASS
Band4	5	20375	1	#0	QPSK	4.91	13	PASS
Band4	5	20375	1	#0	16QAM	5.31	13	PASS
Band4	10	20000	1	#0	QPSK	5.15	13	PASS
Band4	10	20000	1	#0	16QAM	6.12	13	PASS
Band4	10	20175	1	#0	QPSK	5.33	13	PASS
Band4	10	20175	1	#0	16QAM	5.64	13	PASS
Band4	10	20350	1	#0	QPSK	5.19	13	PASS
Band4	10	20350	1	#0	16QAM	5.73	13	PASS
Band4	15	20025	1	#0	QPSK	4.84	13	PASS
Band4	15	20025	1	#0	16QAM	6.17	13	PASS
Band4	15	20175	1	#0	QPSK	5.41	13	PASS
Band4	15	20175	1	#0	16QAM	6.01	13	PASS
Band4	15	20325	1	#0	QPSK	5.30	13	PASS
Band4	15	20325	1	#0	16QAM	6.22	13	PASS
Band4	20	20050	1	#0	QPSK	5.16	13	PASS
Band4	20	20050	1	#0	16QAM	5.99	13	PASS
Band4	20	20175	1	#0	QPSK	5.36	13	PASS
Band4	20	20175	1	#0	16QAM	5.84	13	PASS
Band4	20	20300	1	#0	QPSK	5.29	13	PASS
Band4	20	20300	1	#0	16QAM	5.89	13	PASS



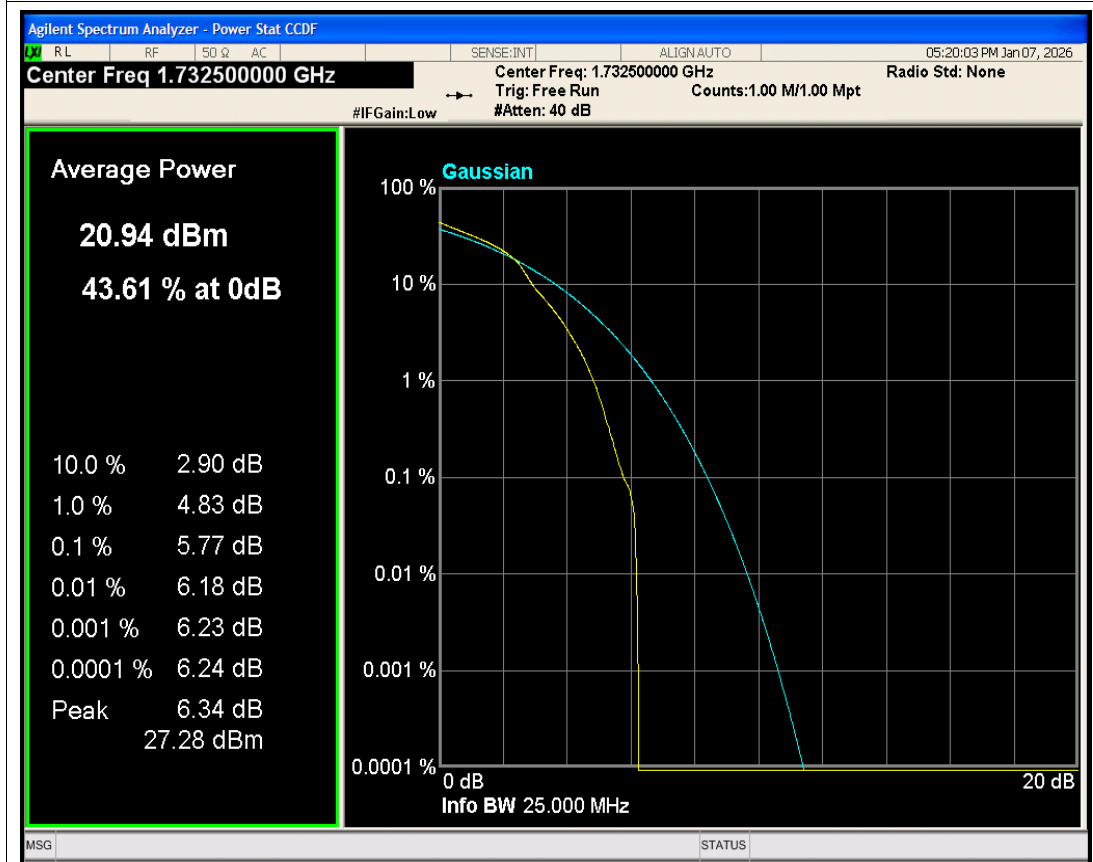
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



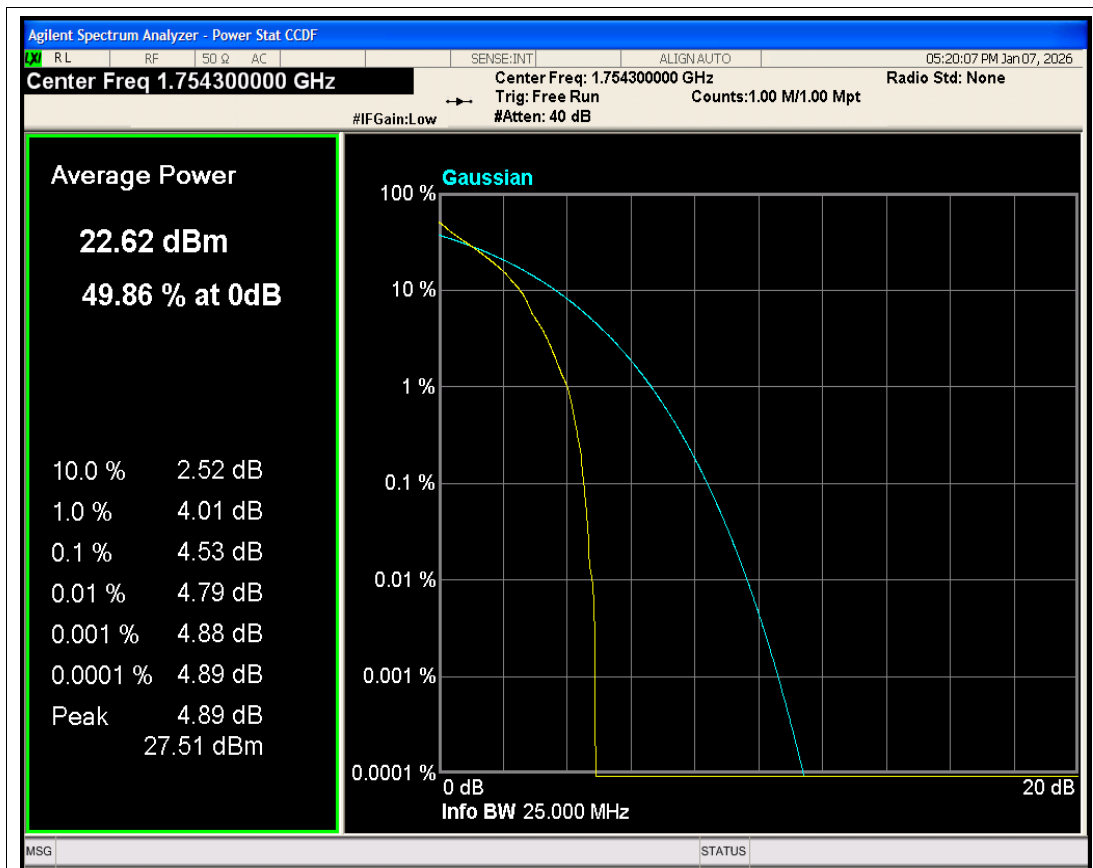
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



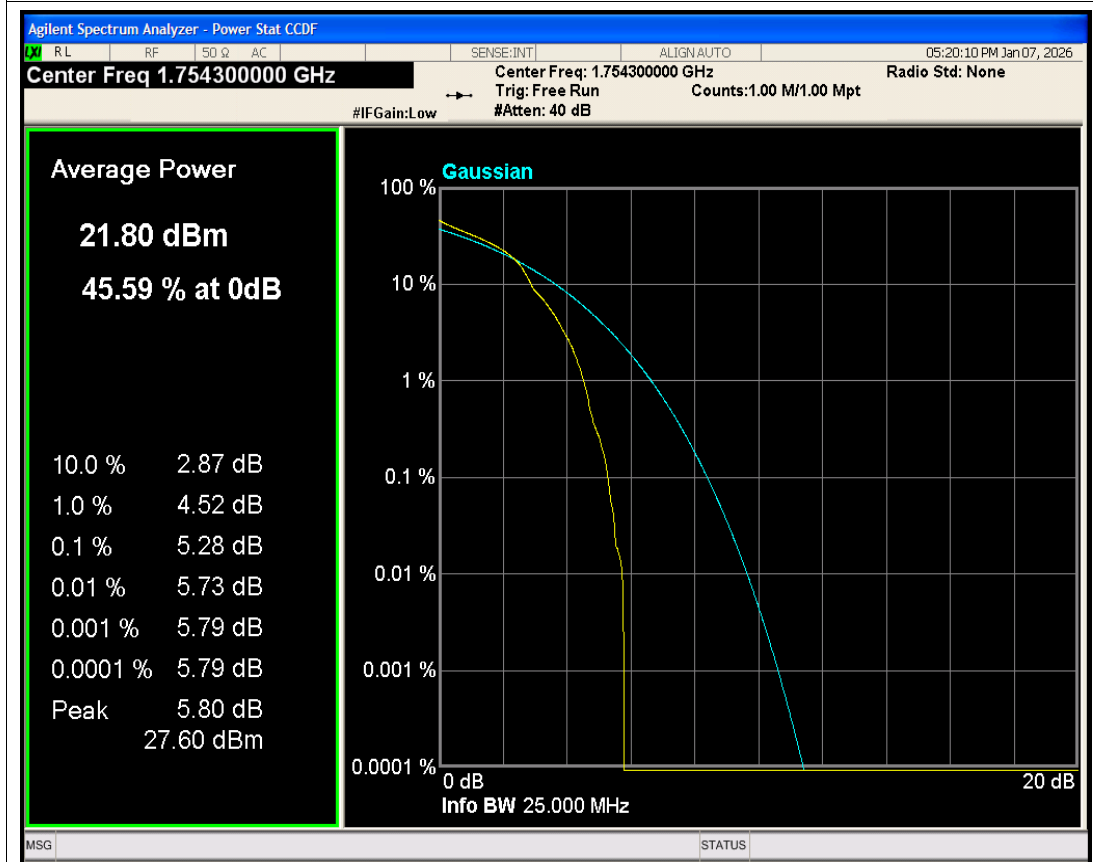
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



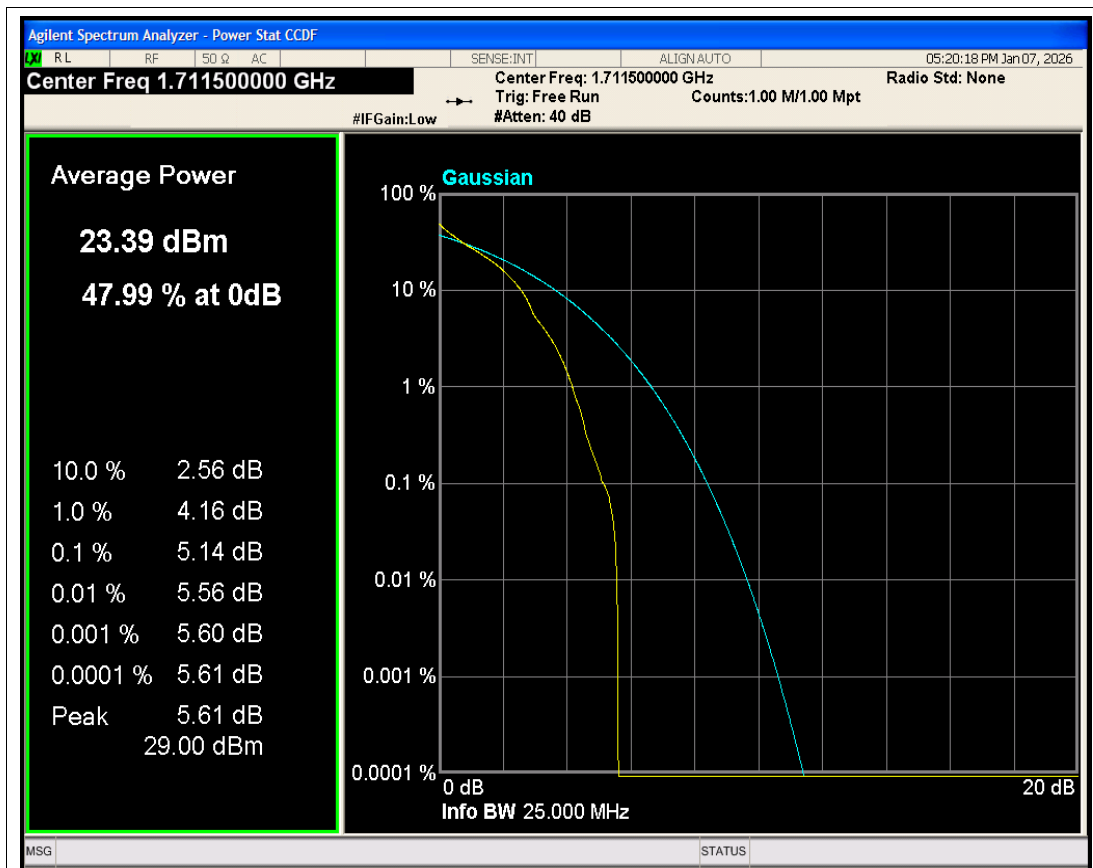
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



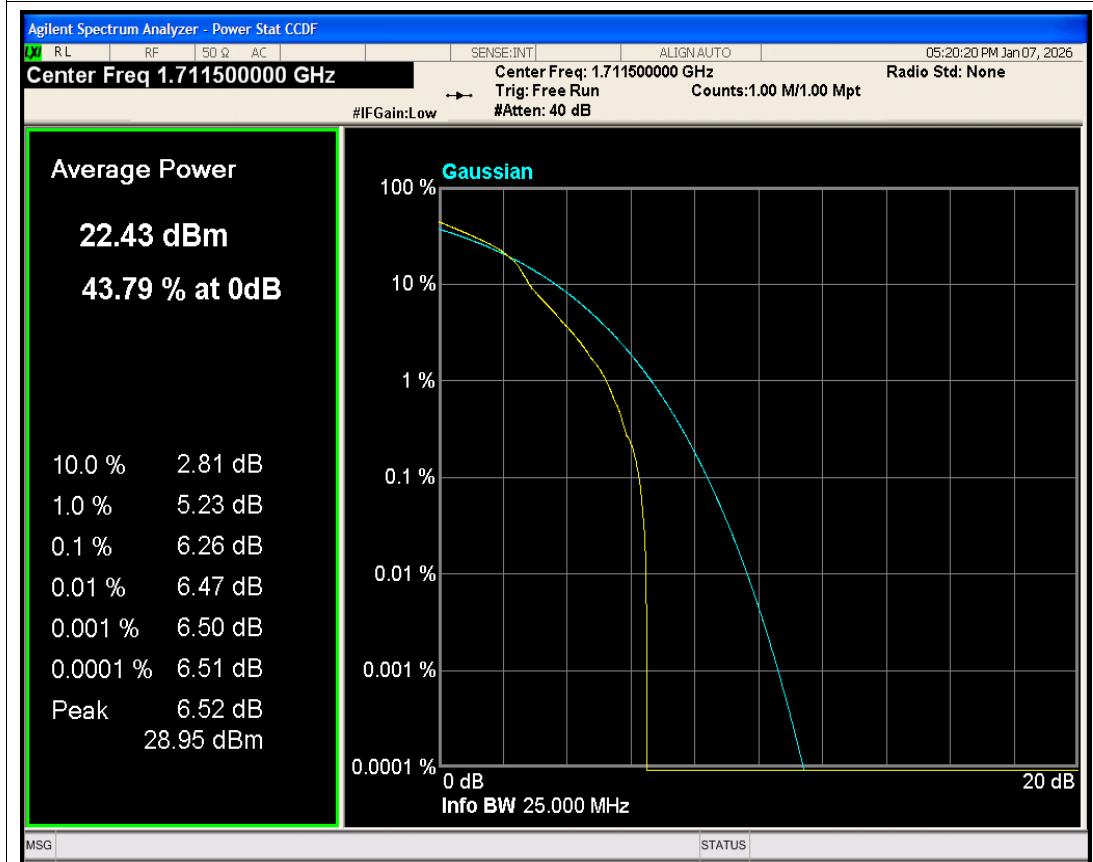
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



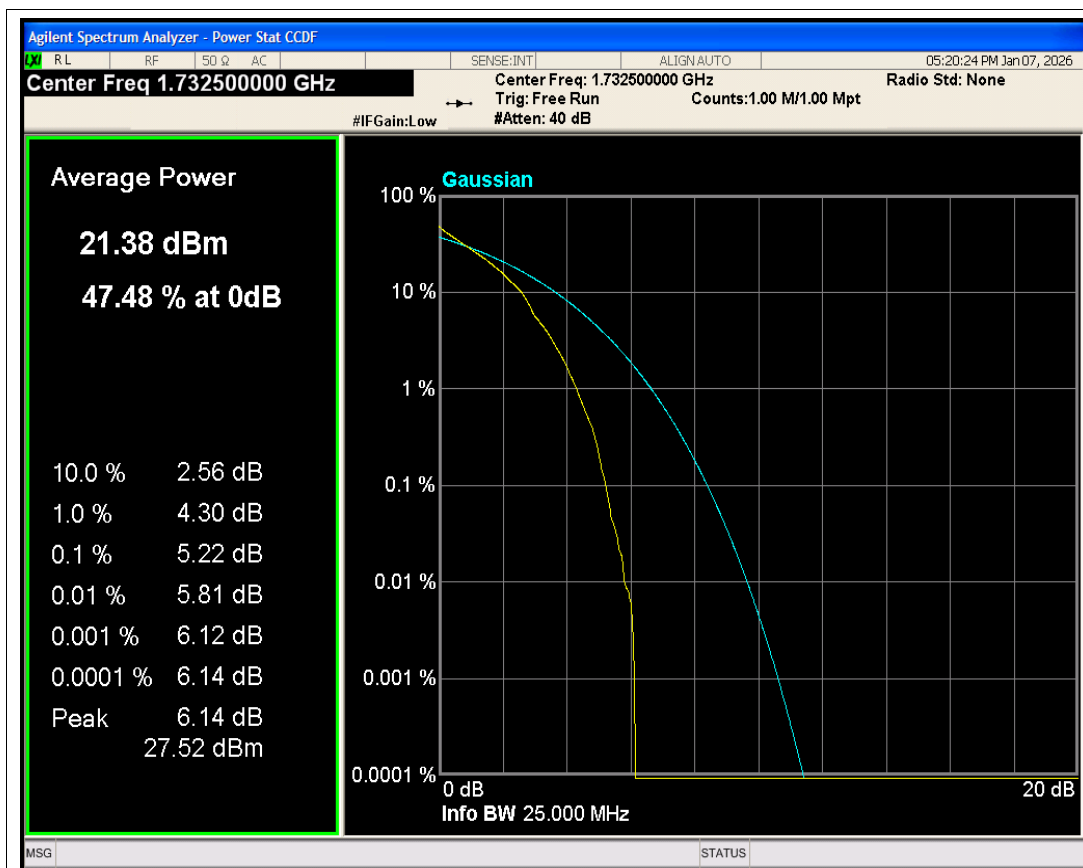
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



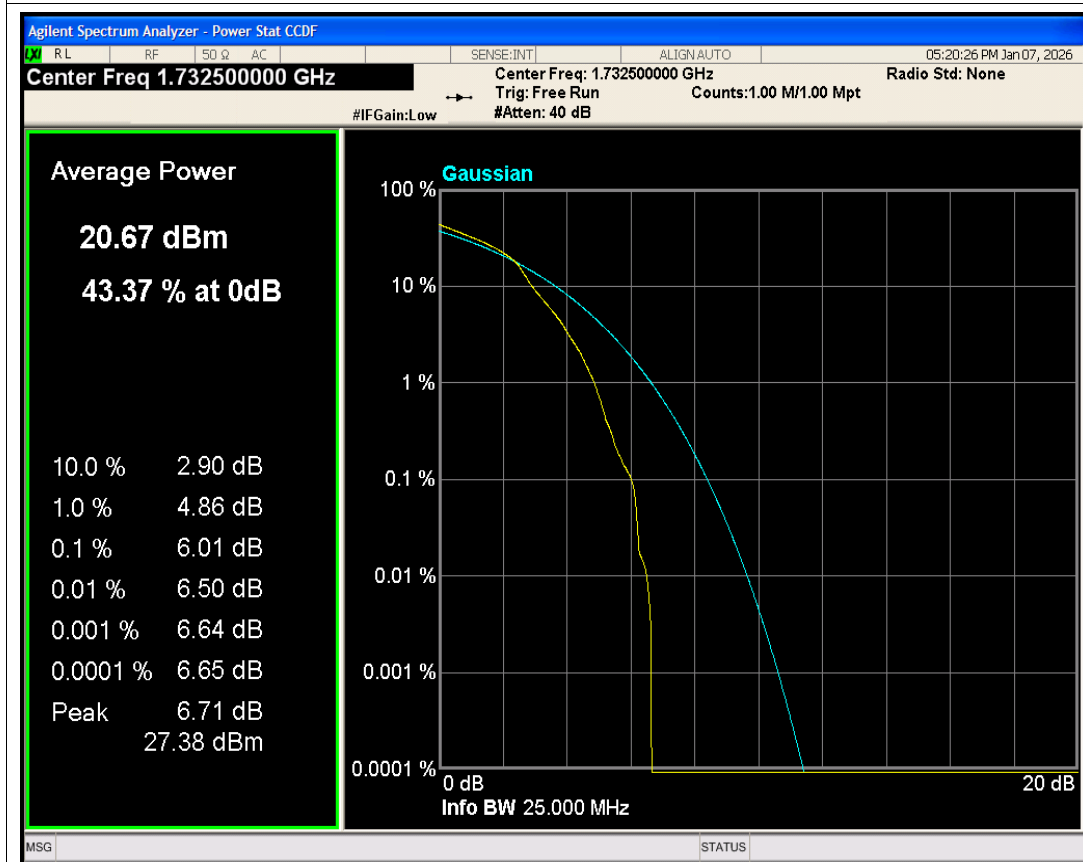
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



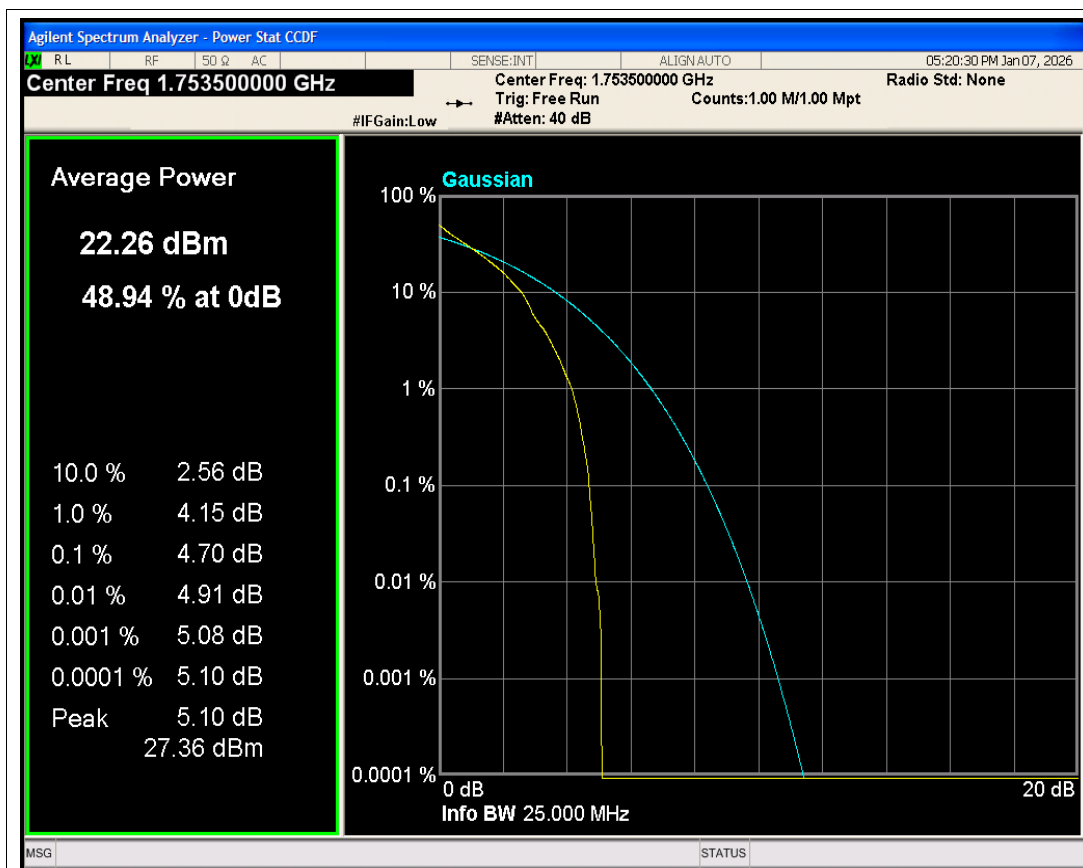
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



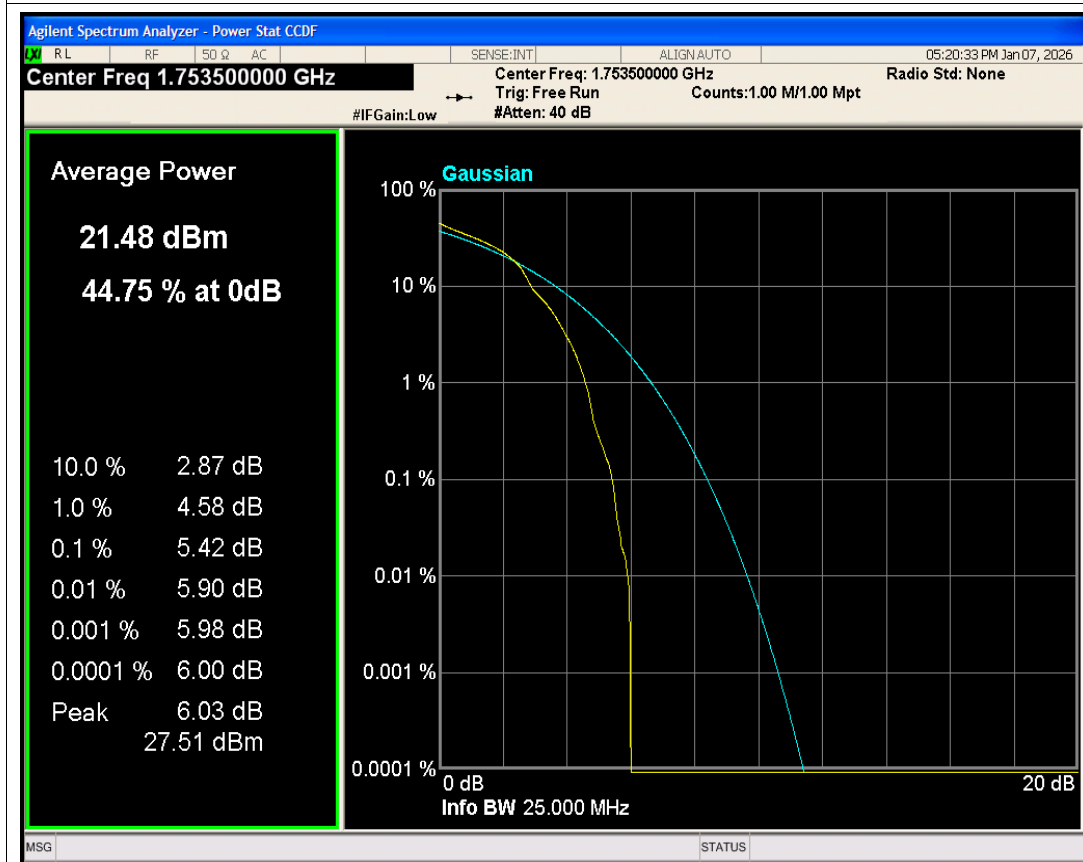
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



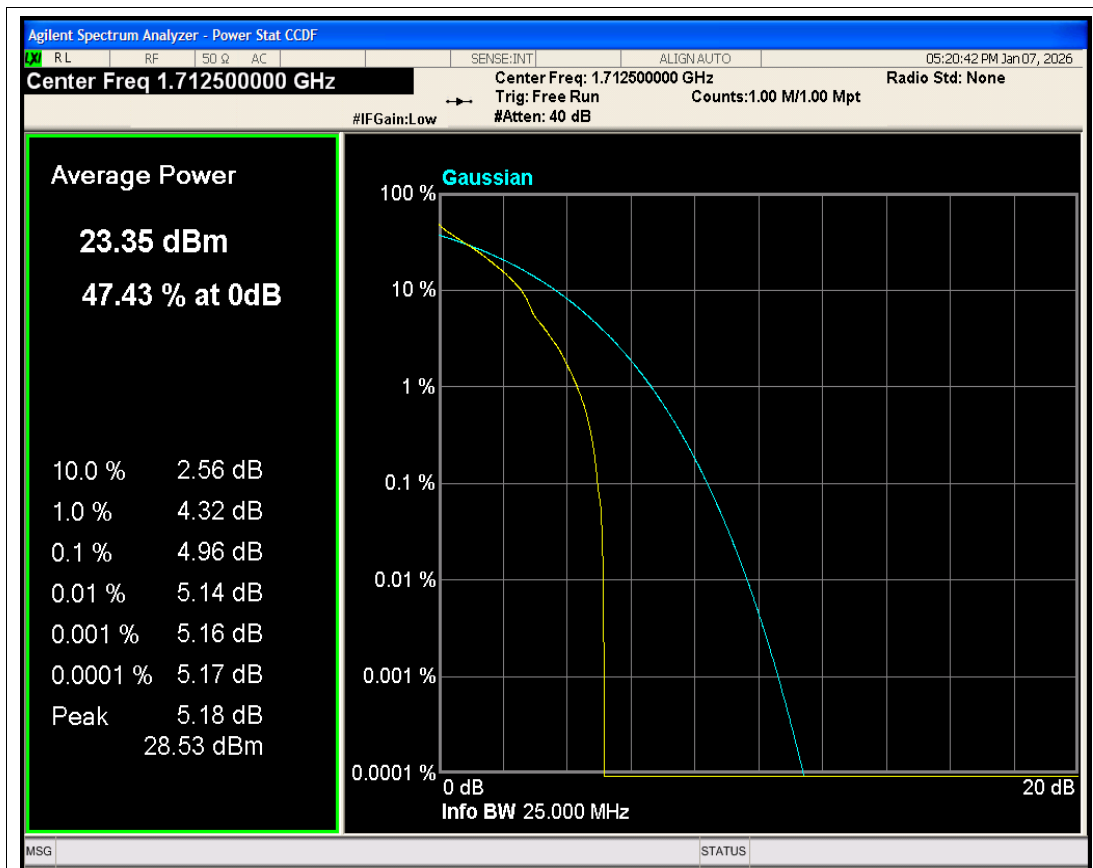
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



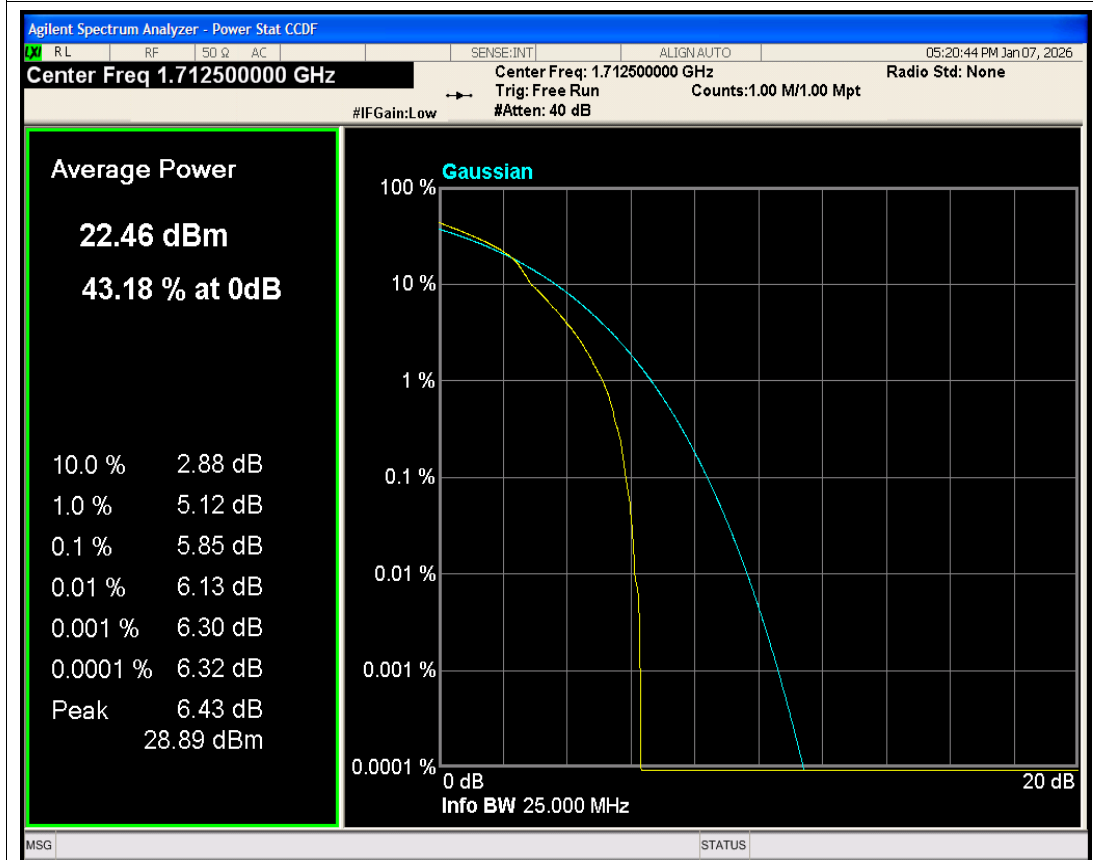
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



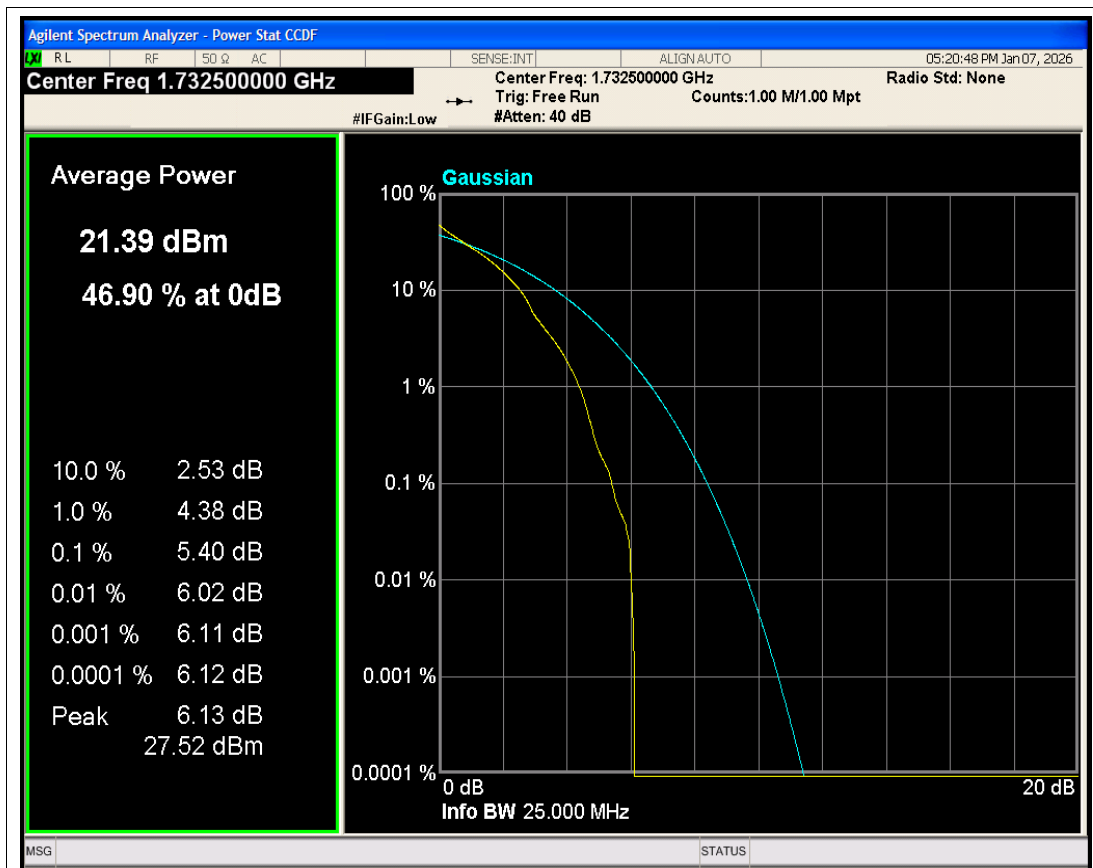
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



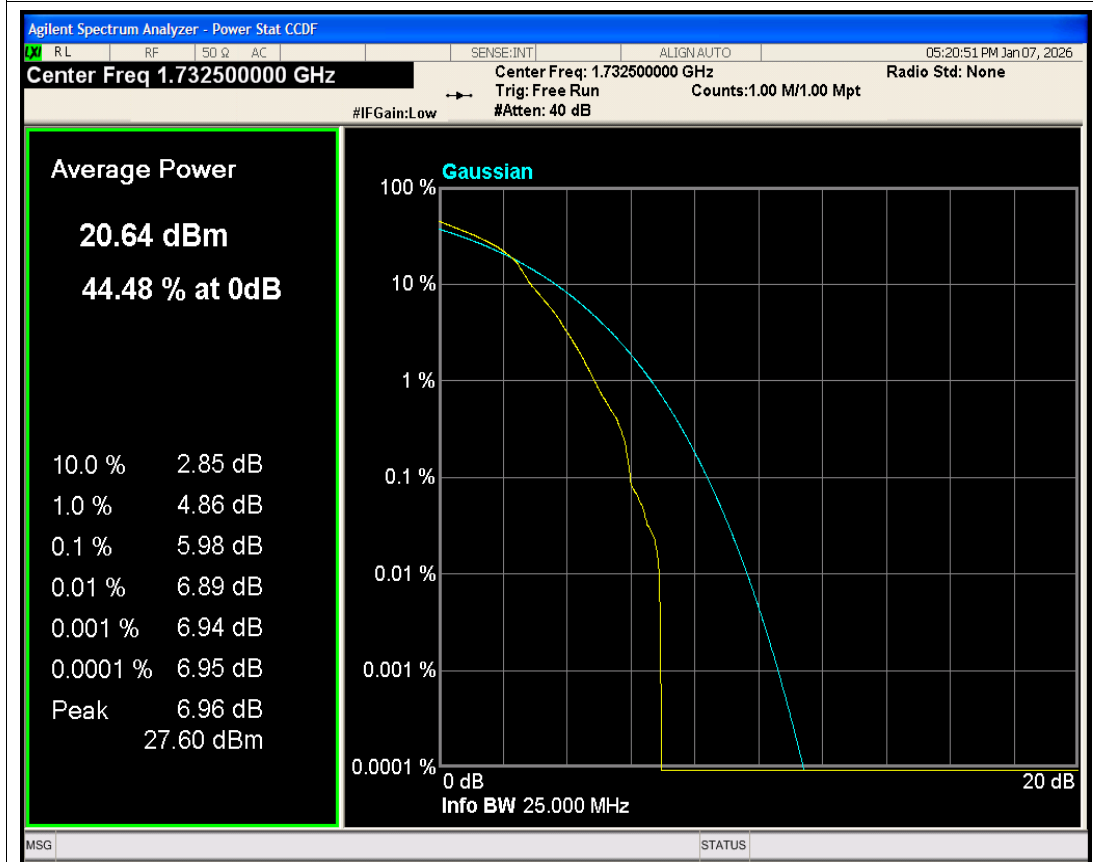
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



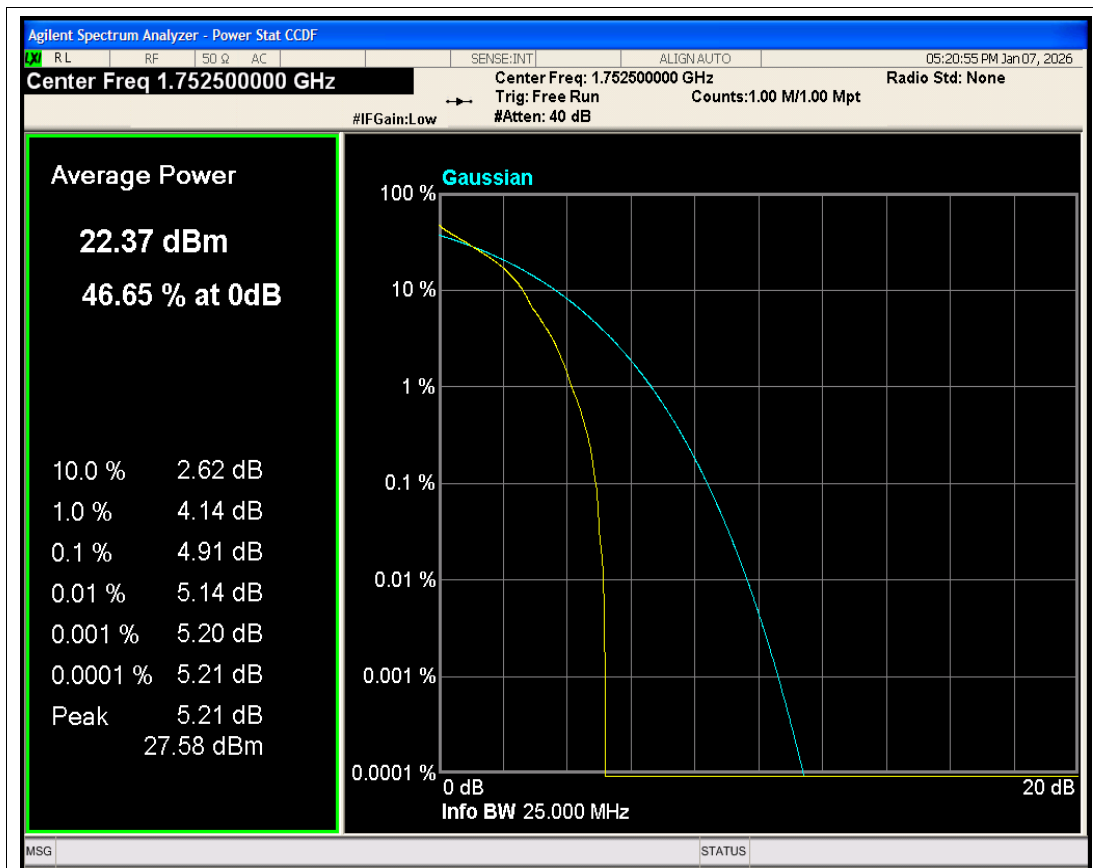
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



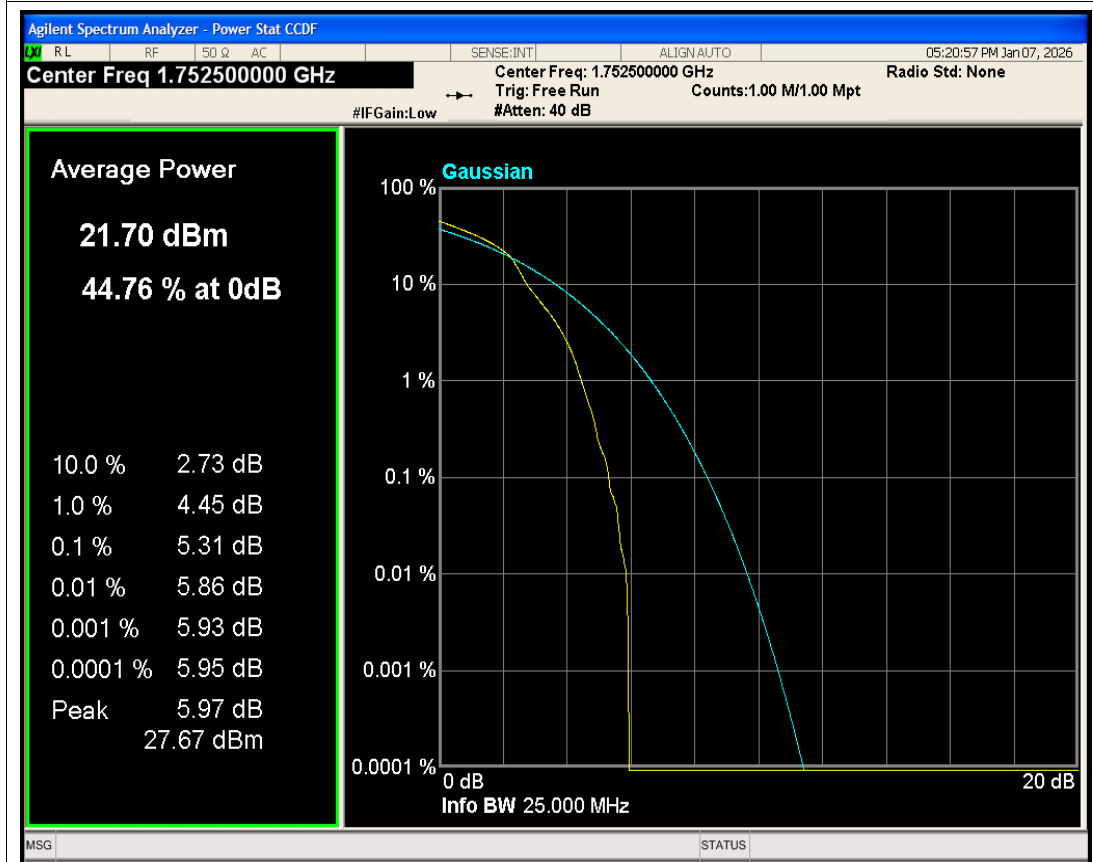
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



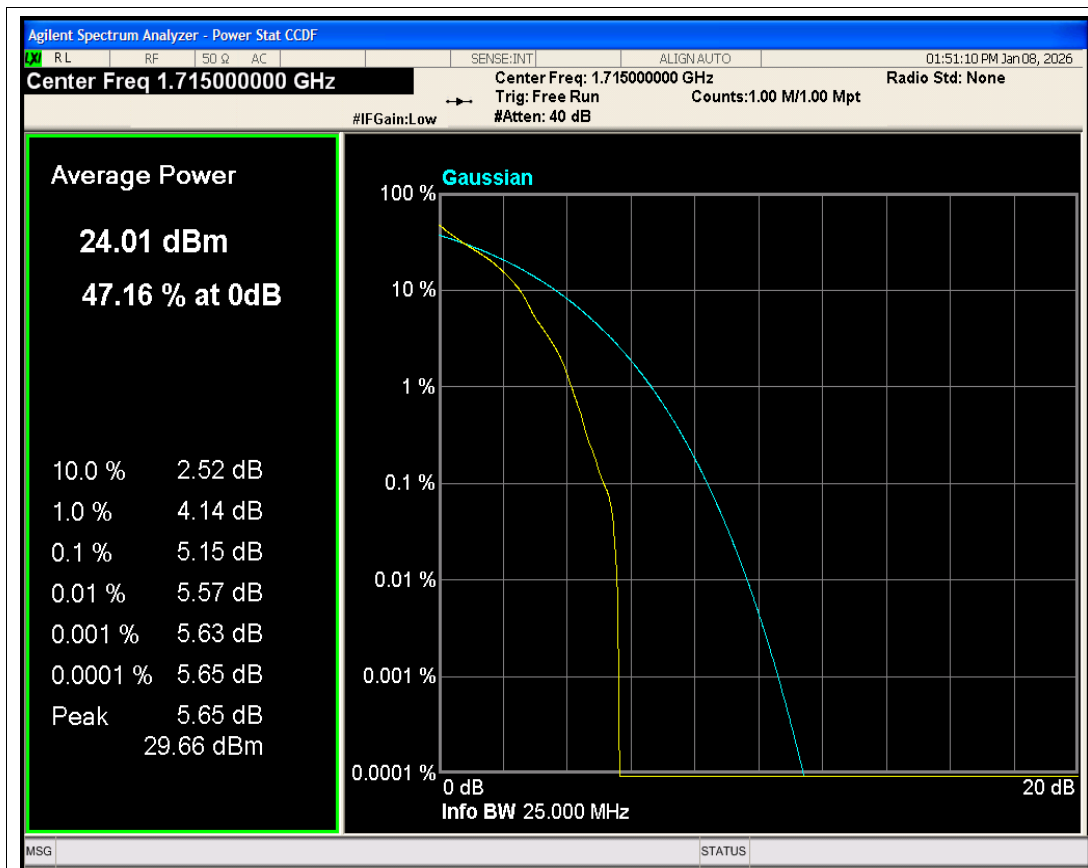
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



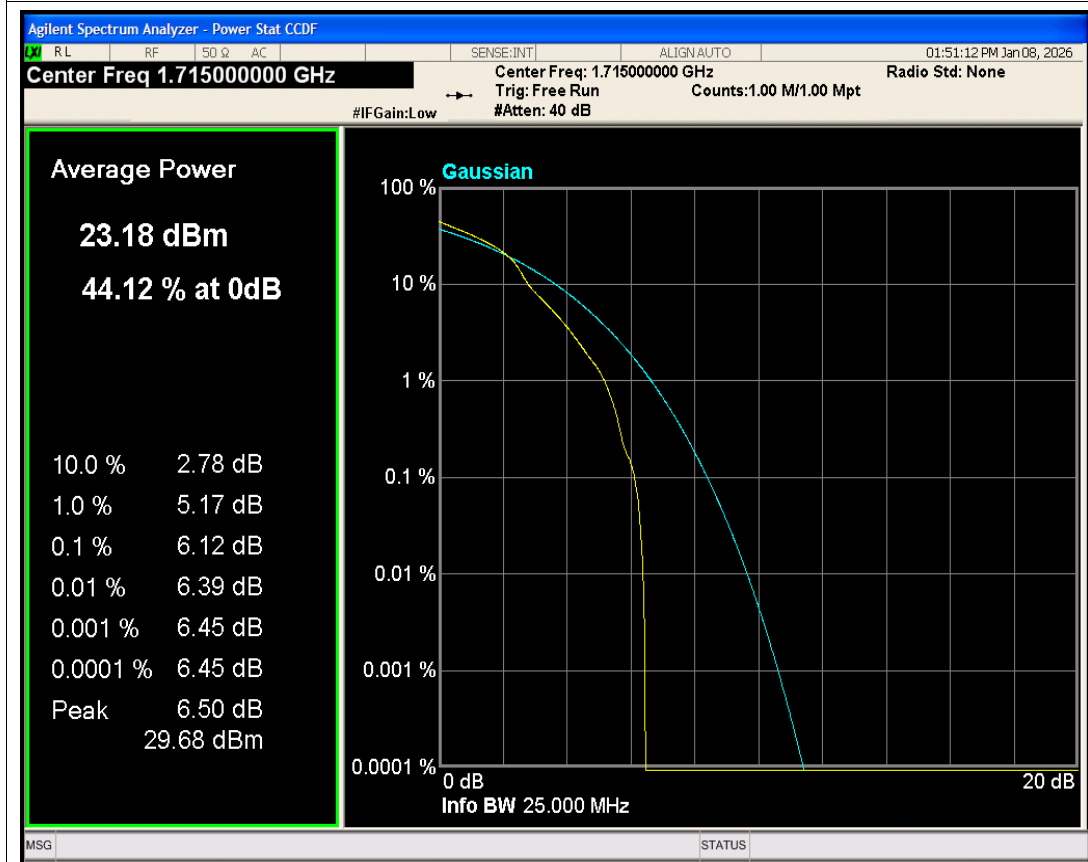
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



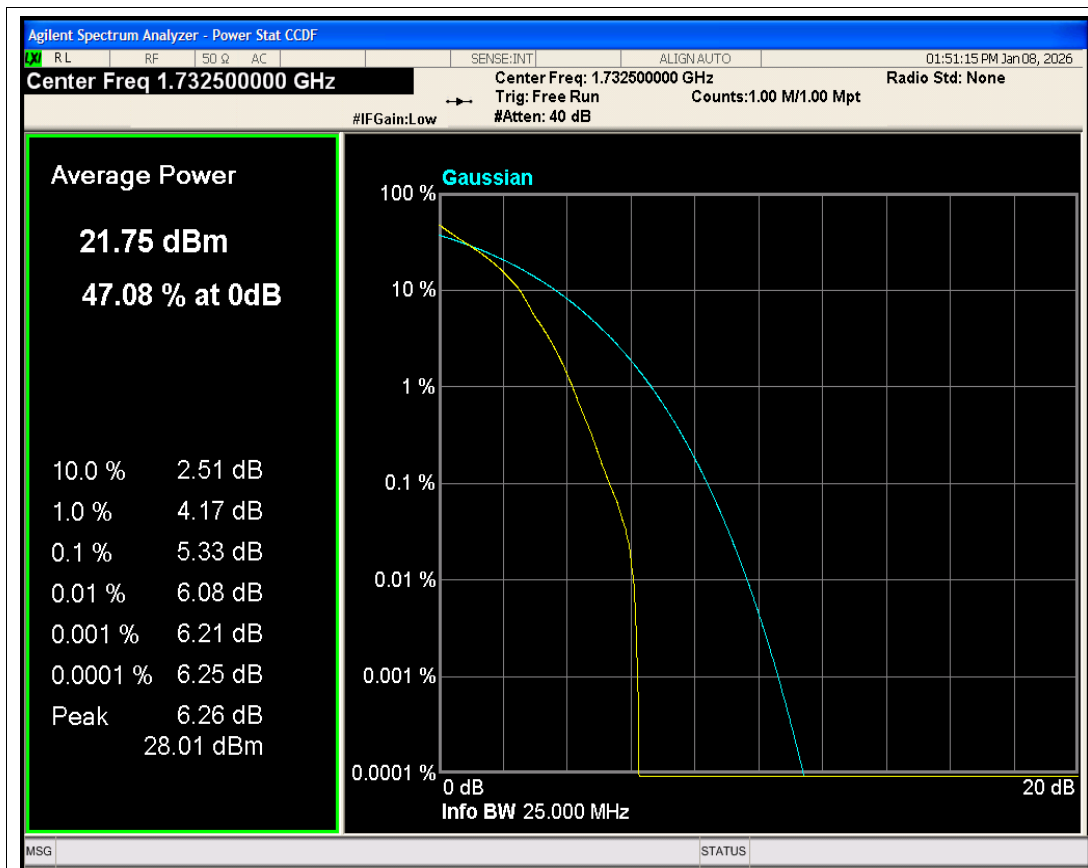
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



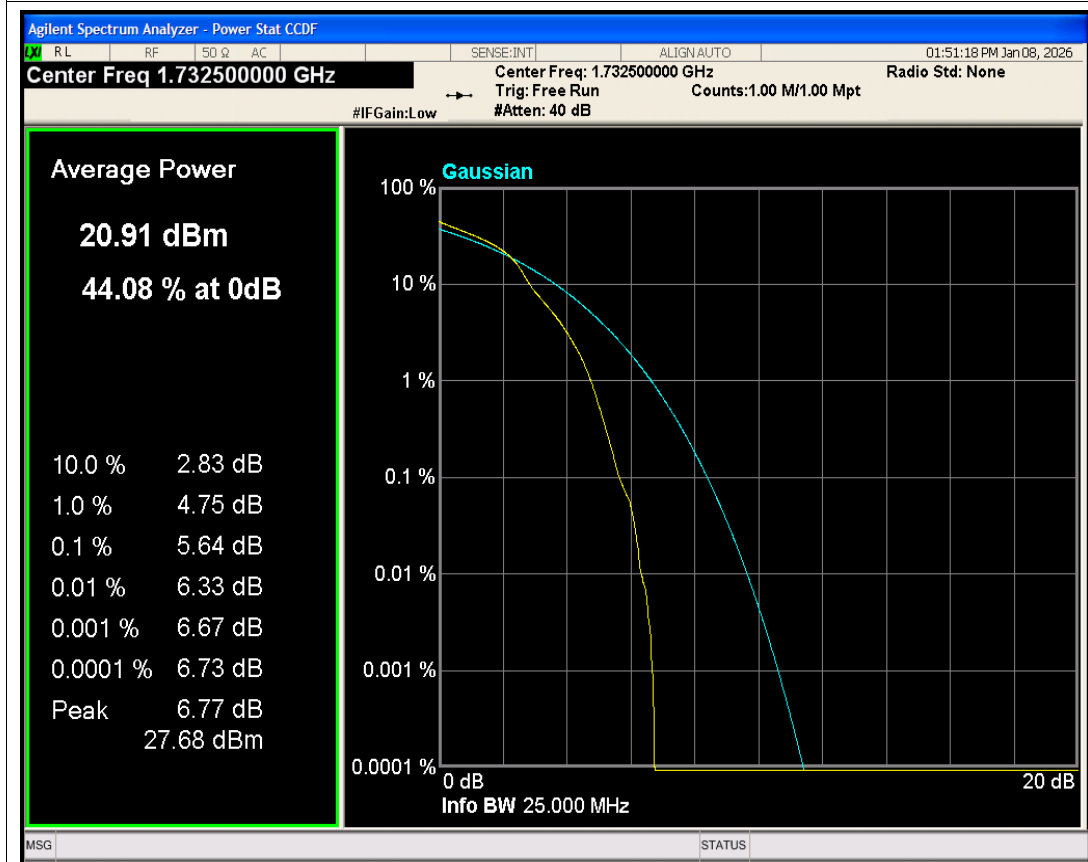
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



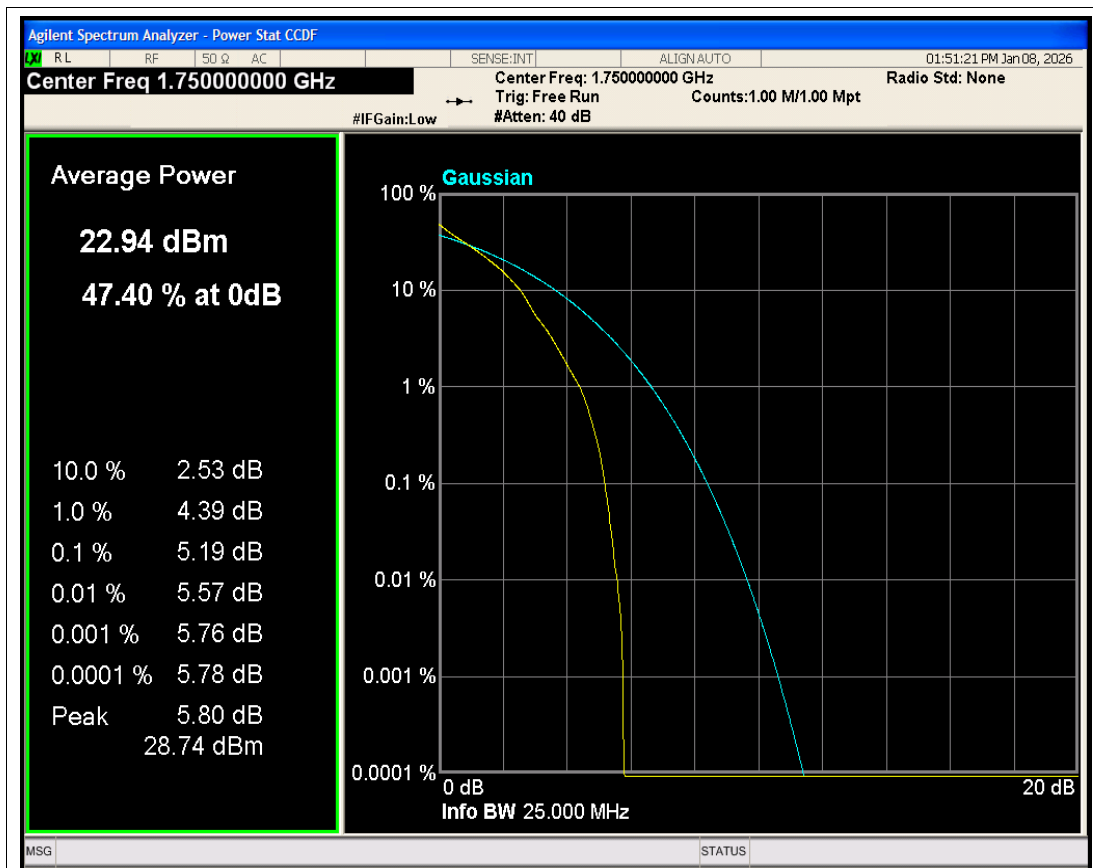
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



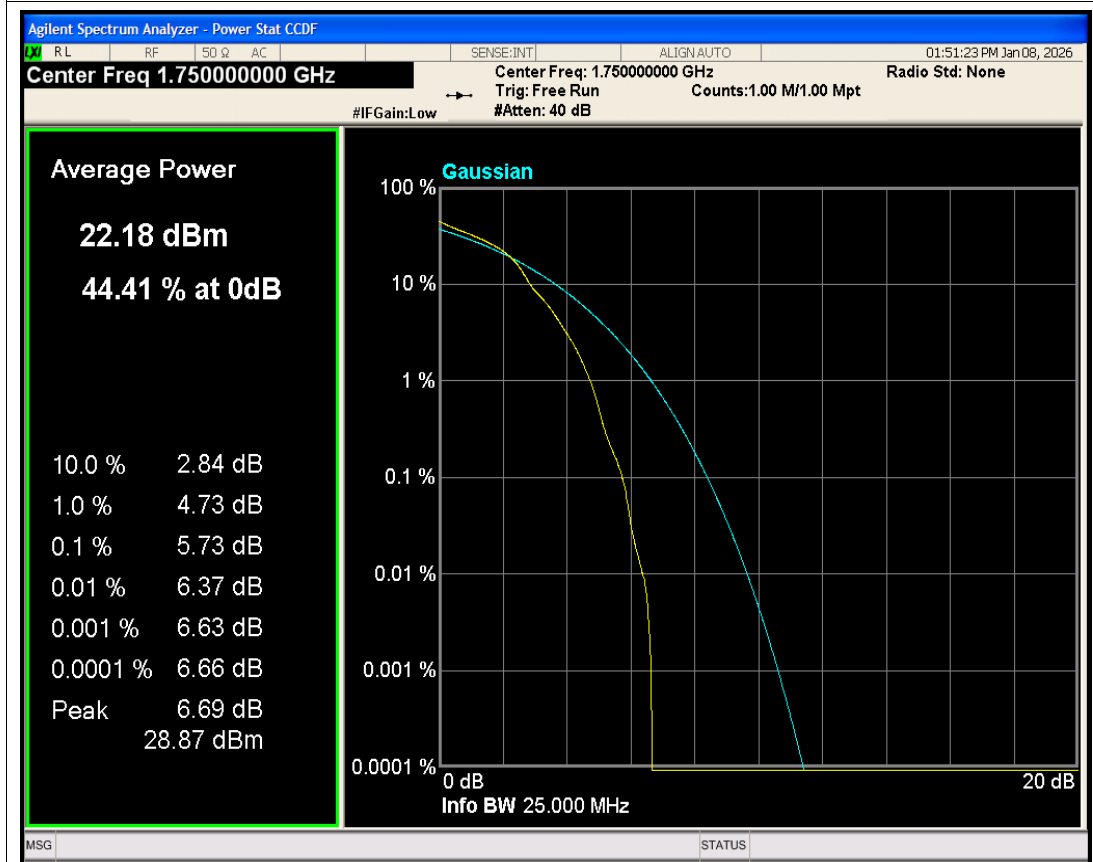
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



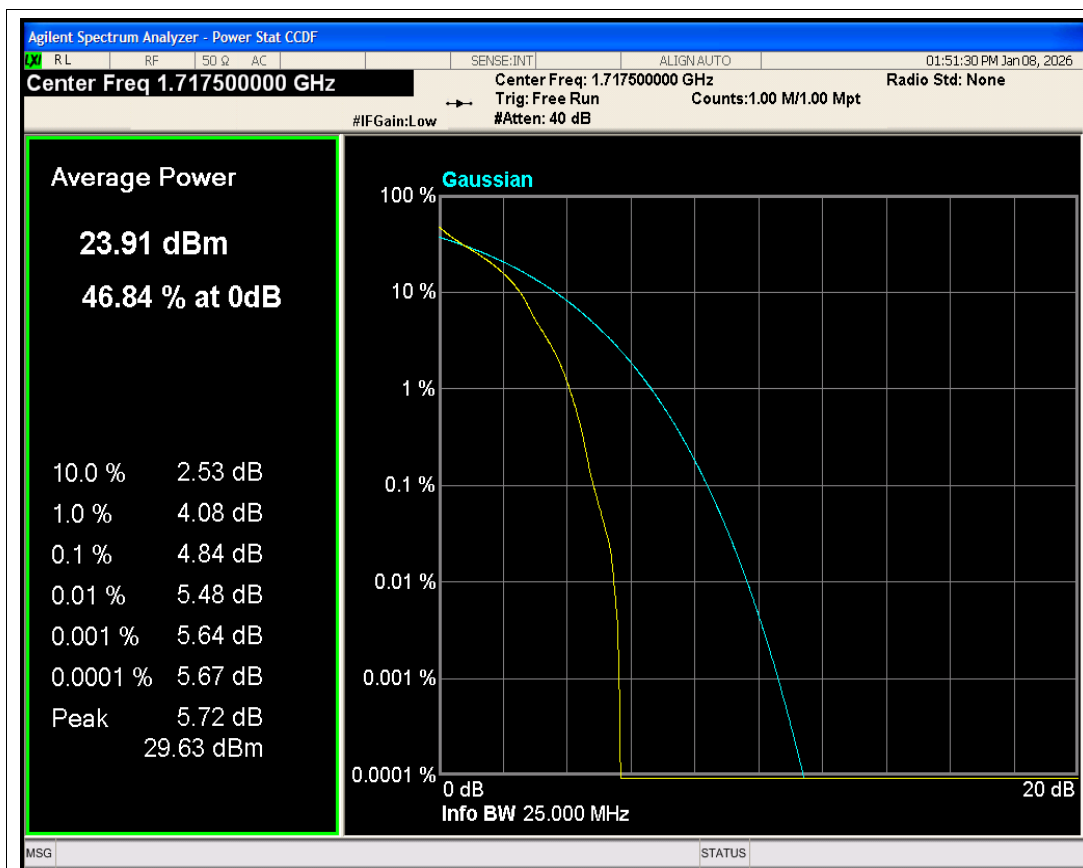
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



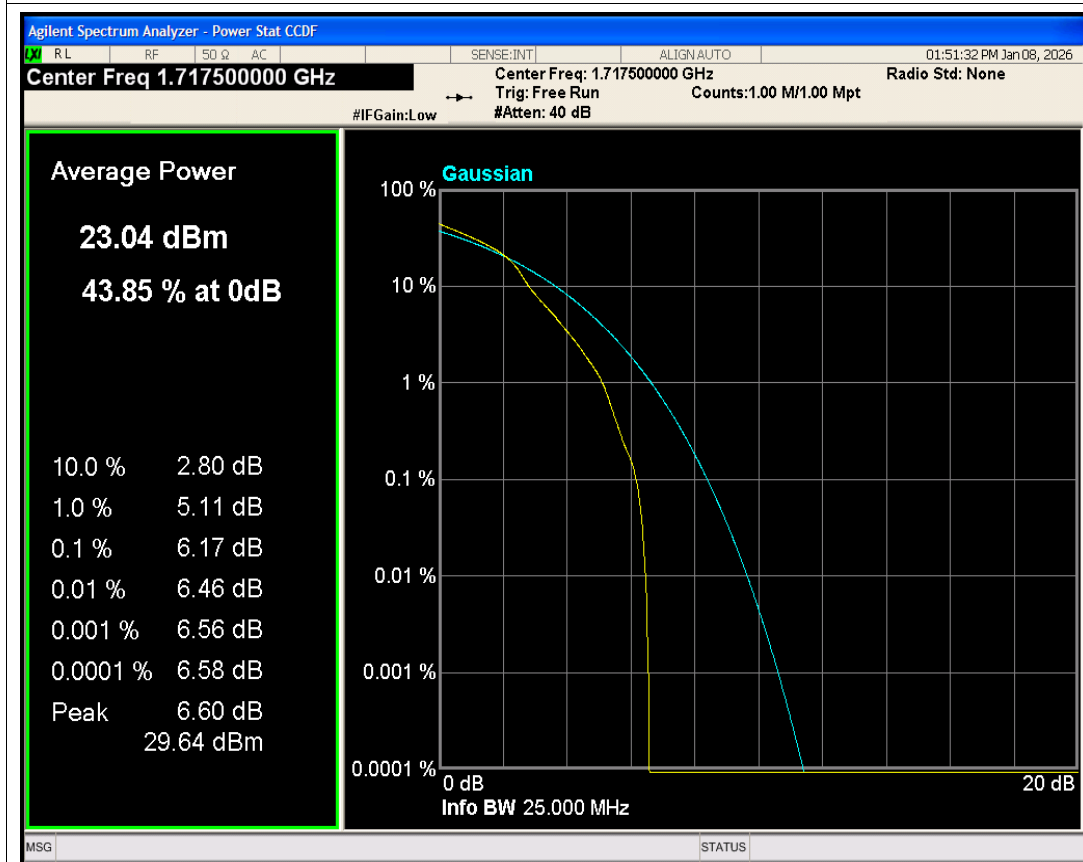
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



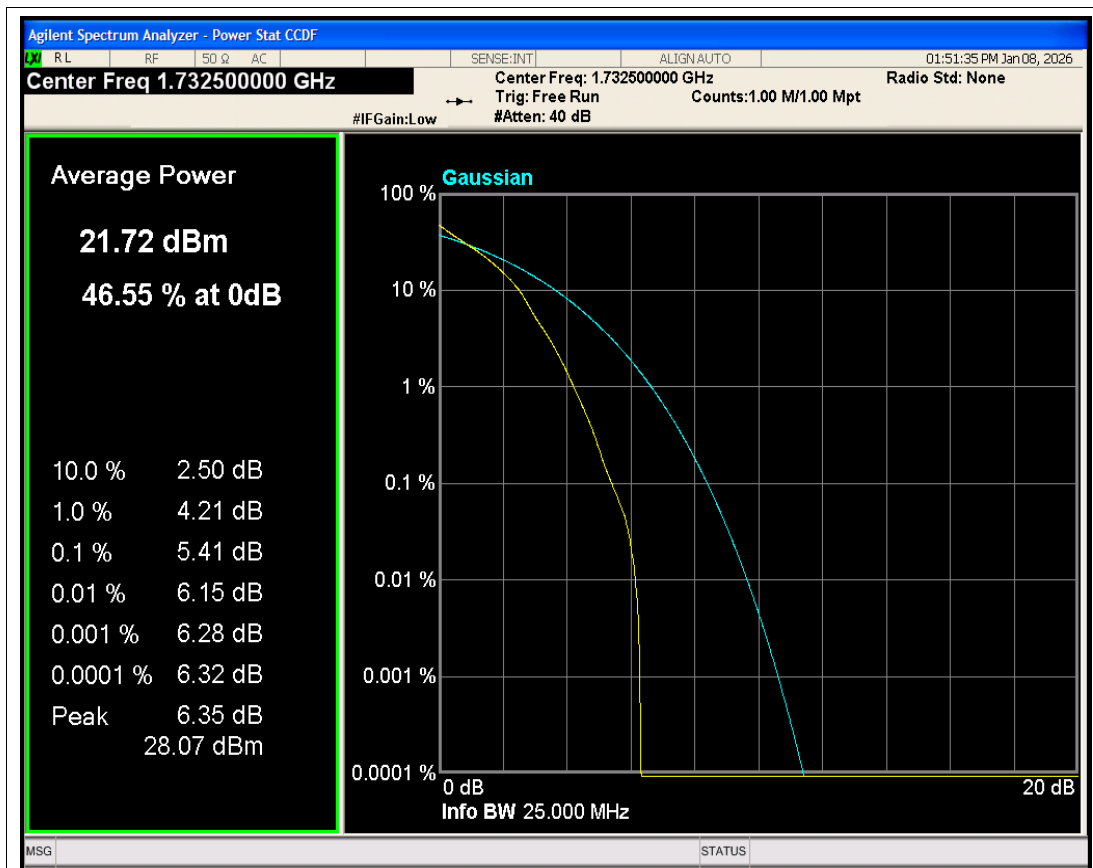
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



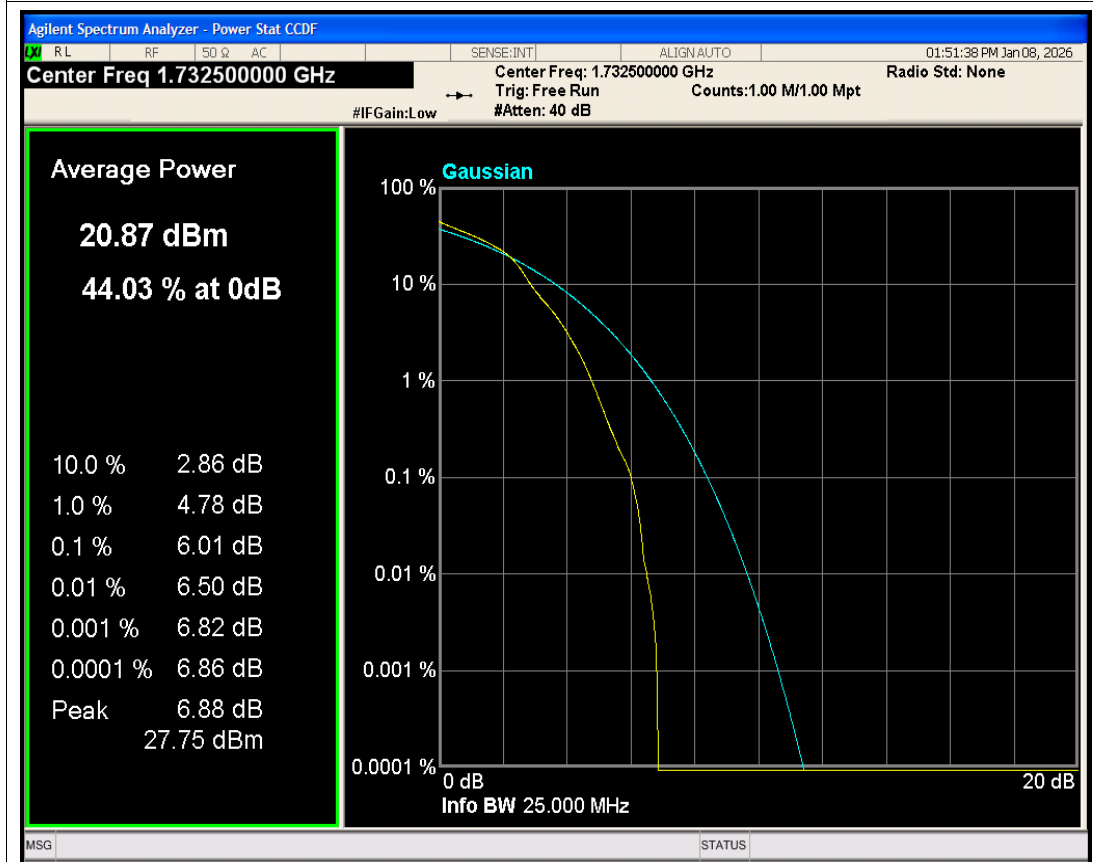
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



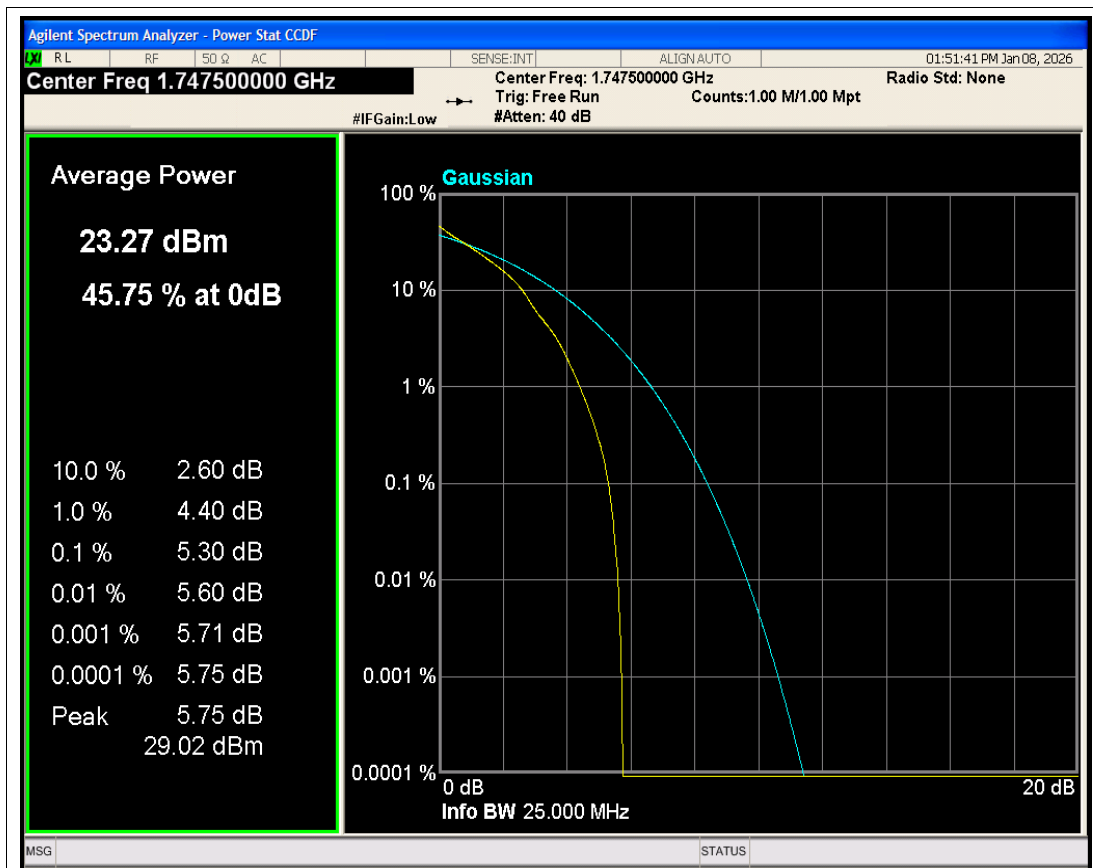
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



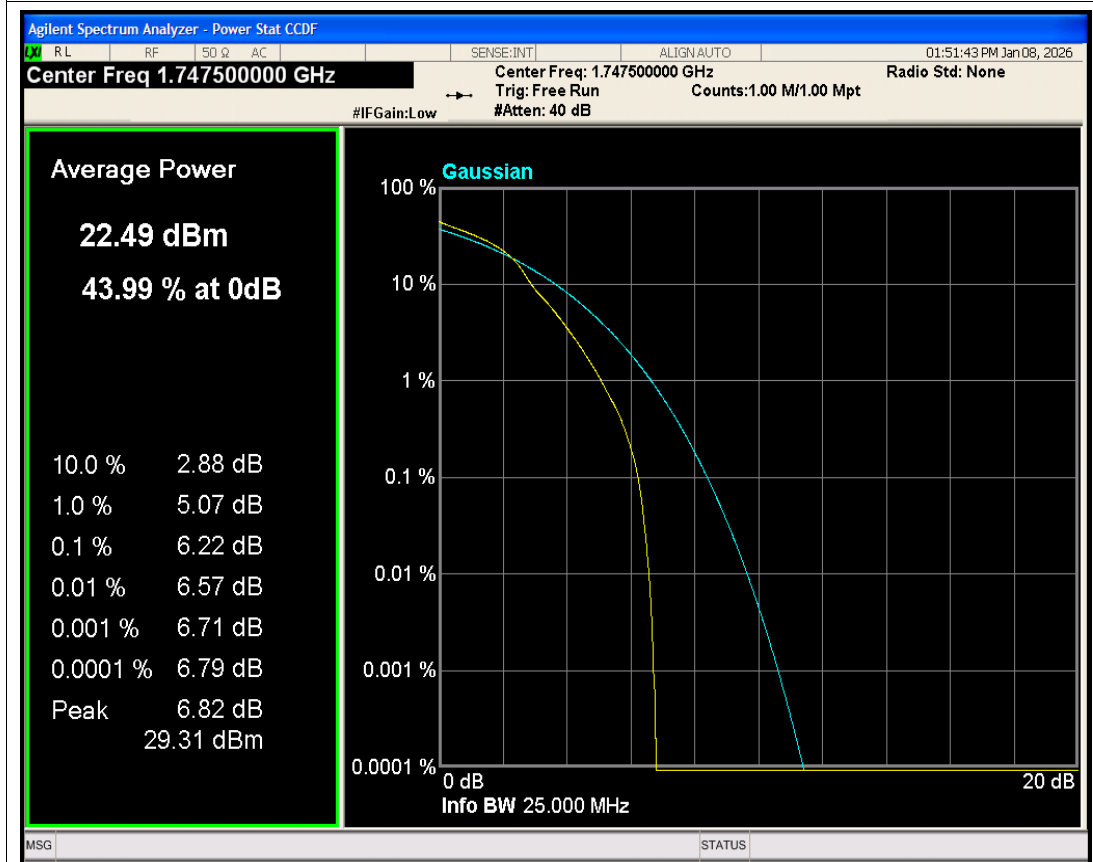
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



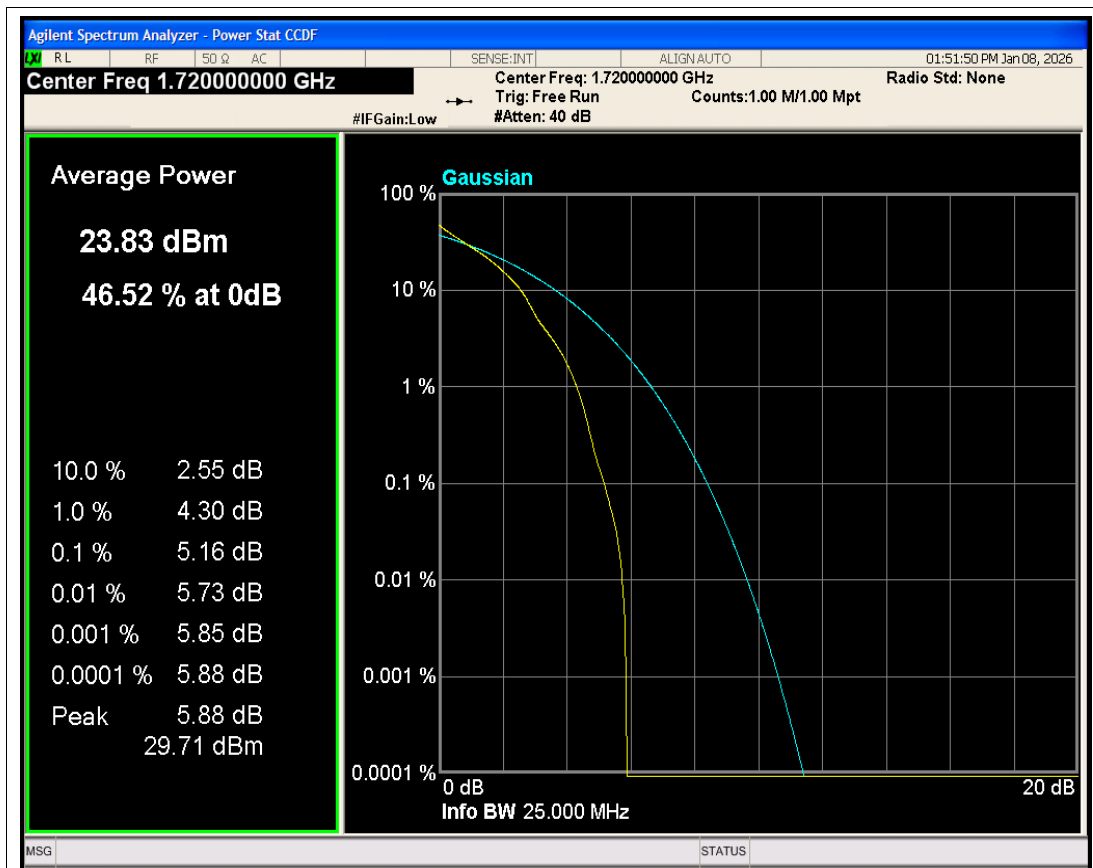
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



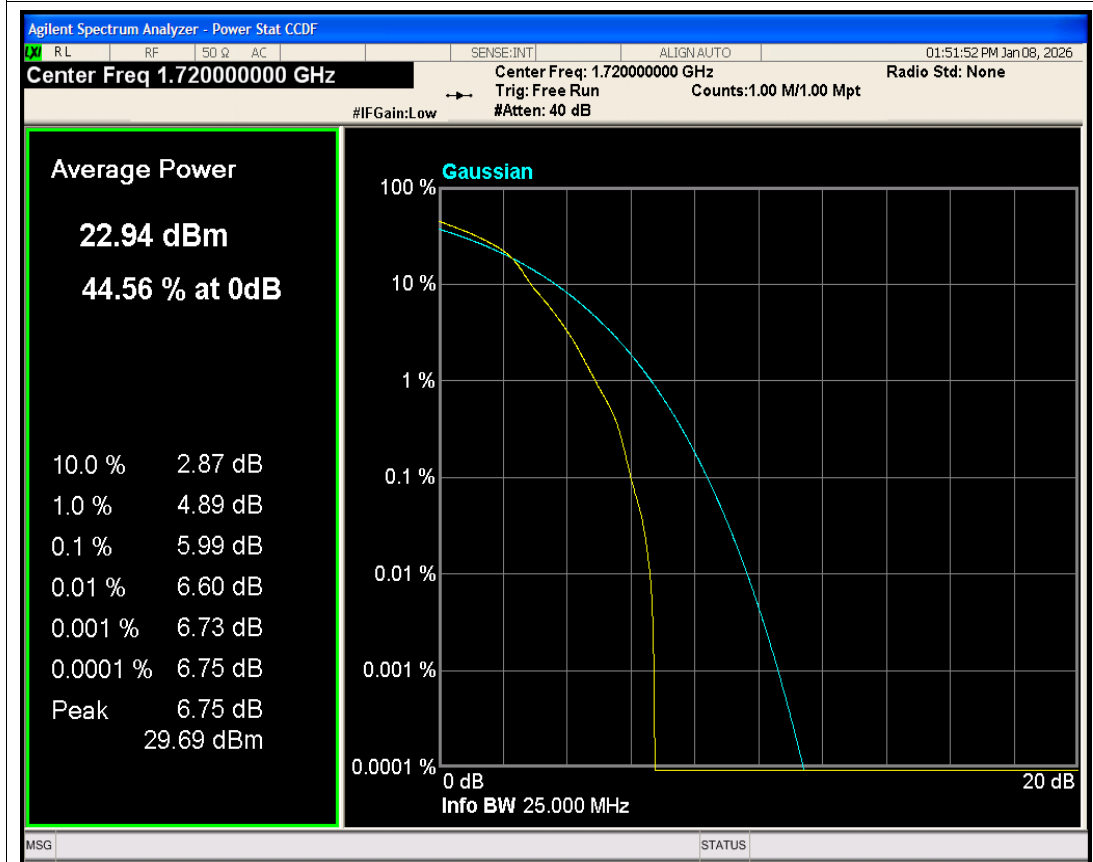
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



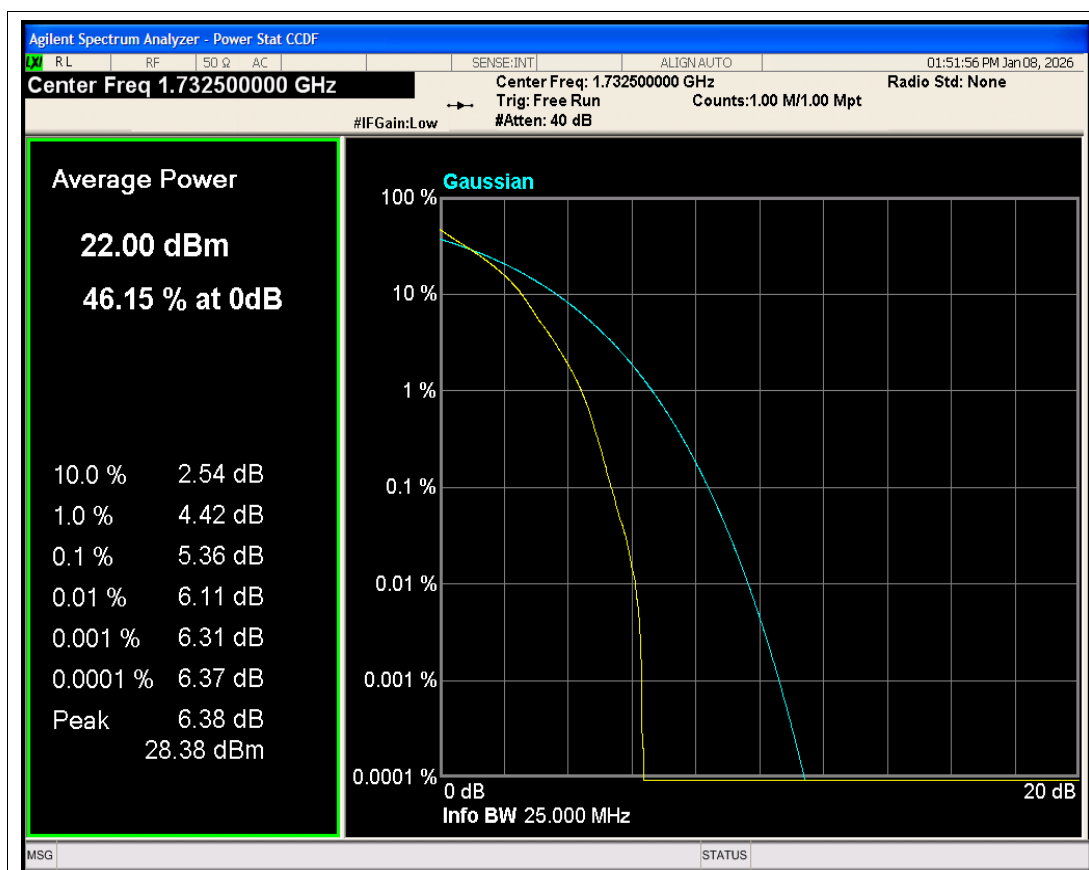
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



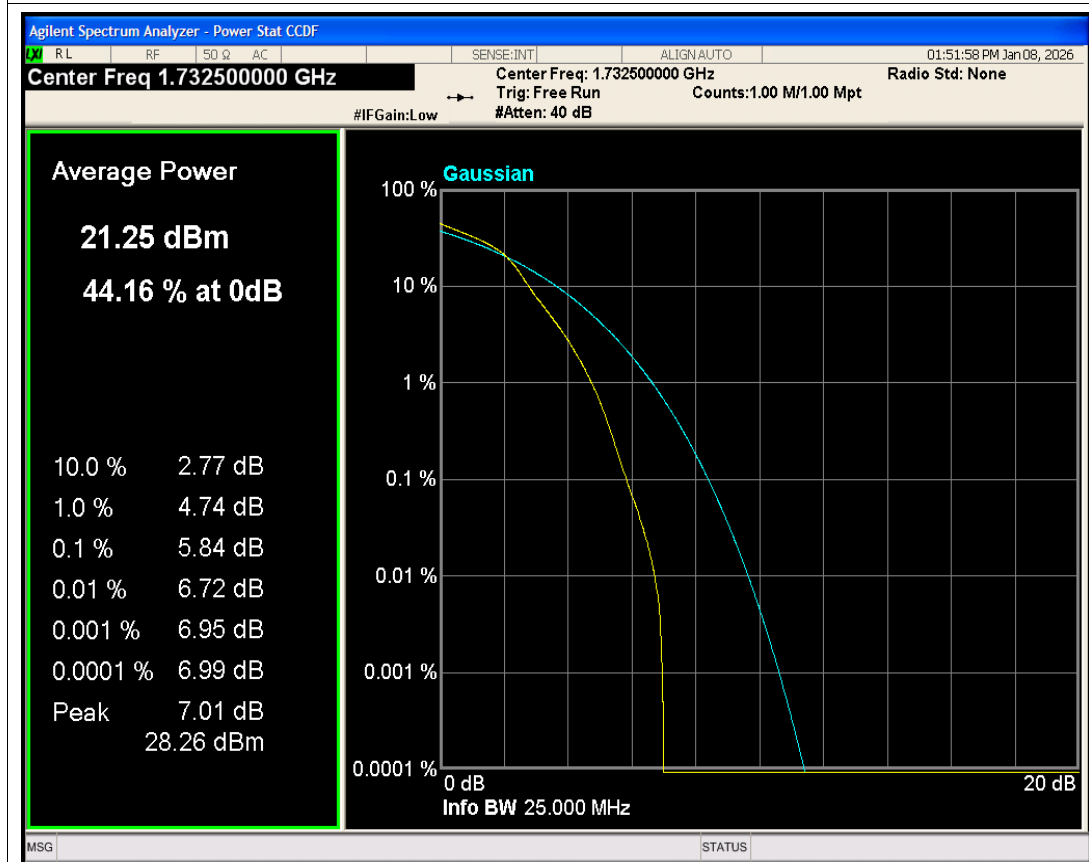
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



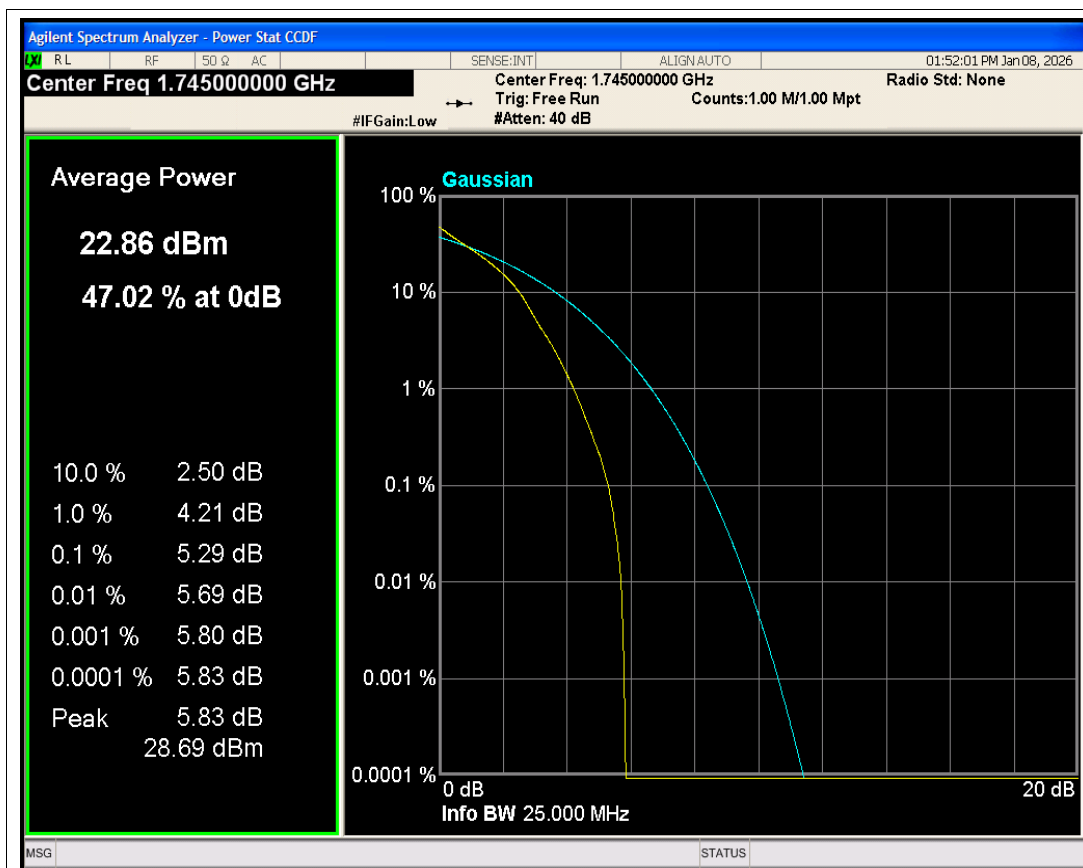
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



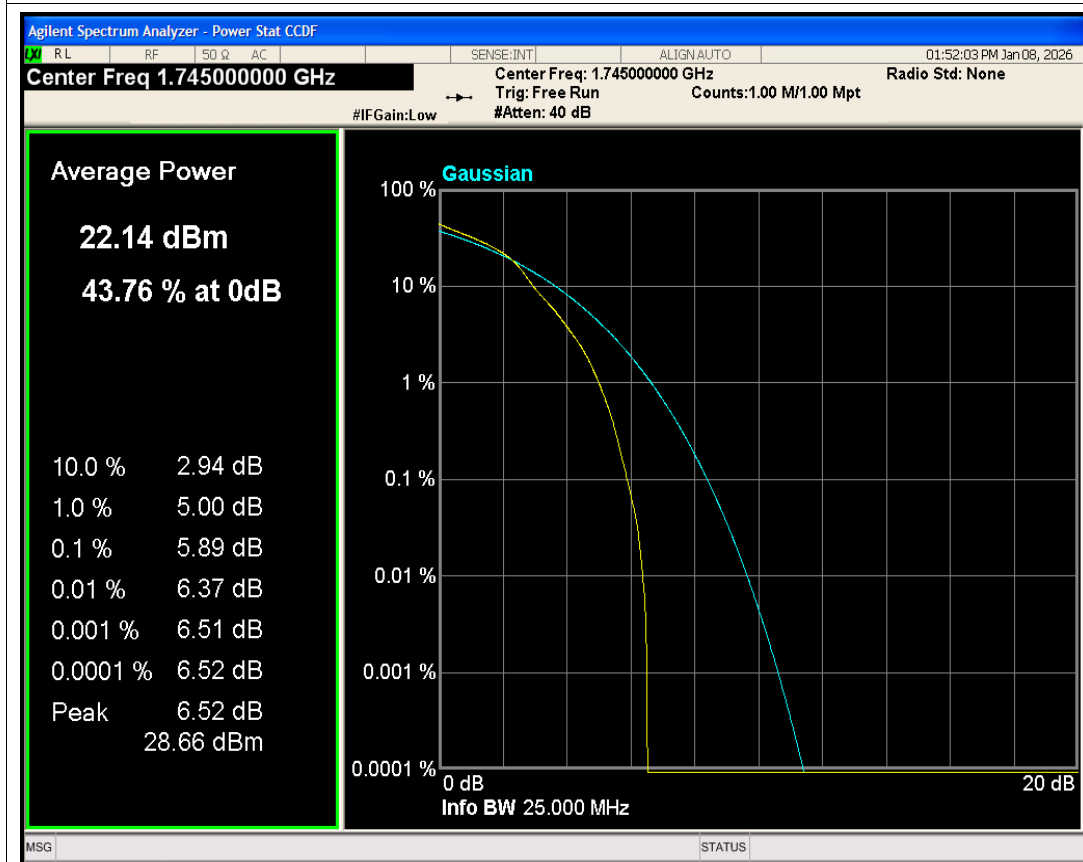
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



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



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

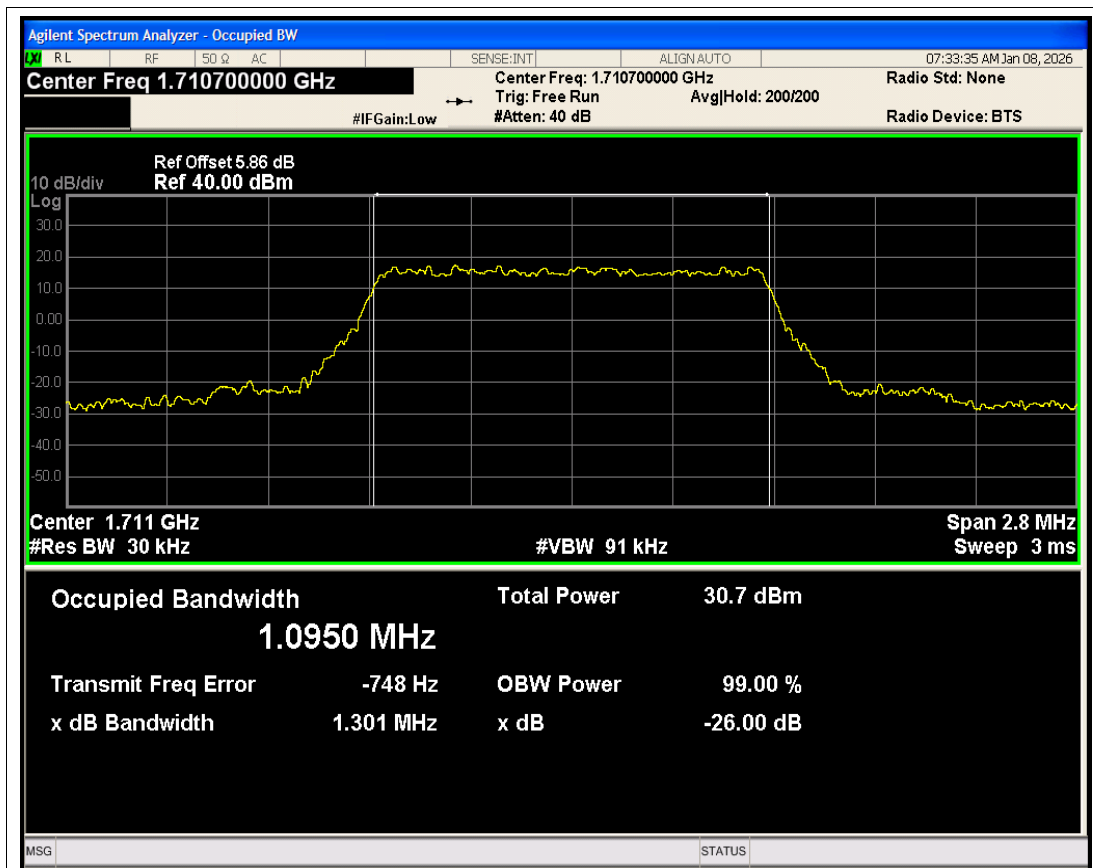


Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0

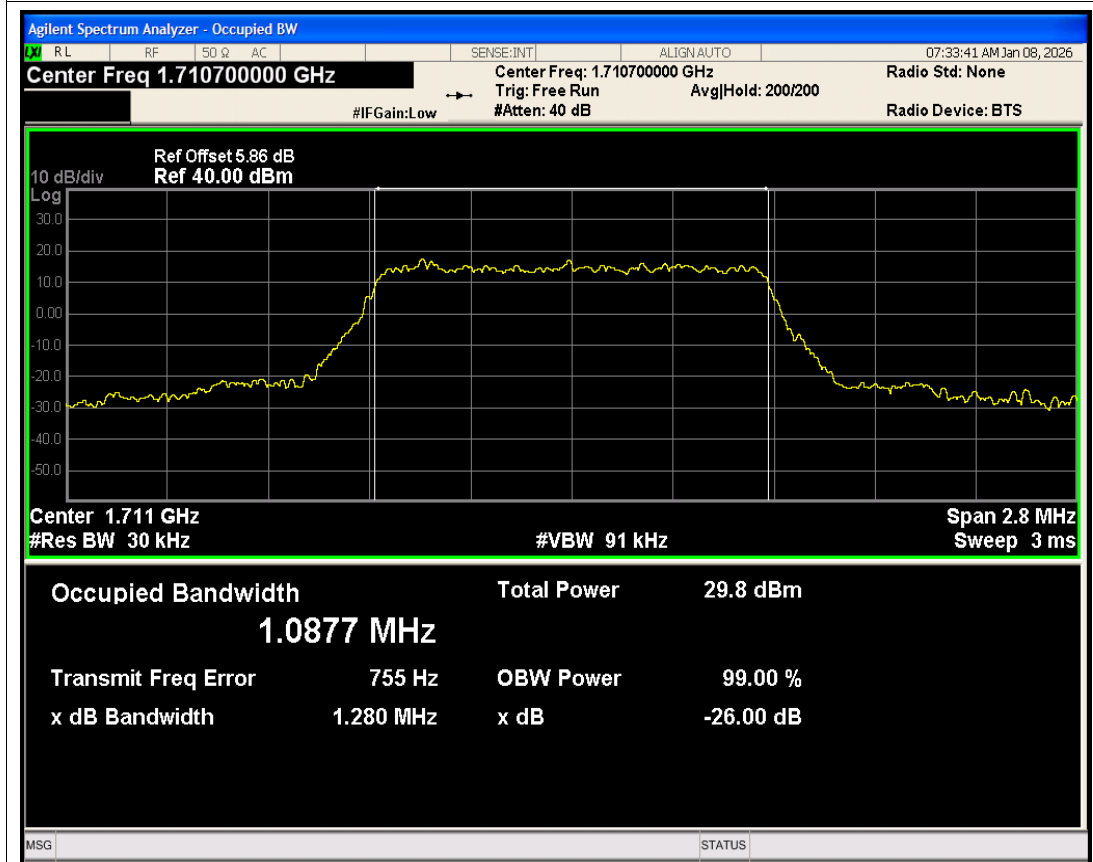
Appendix 4.Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	1	#0	QPSK	0.274	0.420	PASS
Band4	1.4	19957	6	#0	QPSK	1.095	1.301	PASS
Band4	1.4	19957	1	#0	16QAM	0.279	0.402	PASS
Band4	1.4	19957	6	#0	16QAM	1.088	1.280	PASS
Band4	1.4	20175	1	#0	QPSK	0.275	0.415	PASS
Band4	1.4	20175	6	#0	QPSK	1.097	1.316	PASS
Band4	1.4	20175	1	#0	16QAM	0.274	0.406	PASS
Band4	1.4	20175	6	#0	16QAM	1.097	1.307	PASS
Band4	1.4	20393	1	#0	QPSK	0.269	0.405	PASS
Band4	1.4	20393	6	#0	QPSK	1.093	1.277	PASS
Band4	1.4	20393	1	#0	16QAM	0.262	0.403	PASS
Band4	1.4	20393	6	#0	16QAM	1.097	1.300	PASS
Band4	3	19965	1	#0	QPSK	0.367	0.513	PASS
Band4	3	19965	15	#0	QPSK	2.697	2.983	PASS
Band4	3	19965	1	#0	16QAM	0.346	0.487	PASS
Band4	3	19965	15	#0	16QAM	2.710	2.959	PASS
Band4	3	20175	1	#0	QPSK	0.365	0.501	PASS
Band4	3	20175	15	#0	QPSK	2.696	2.983	PASS
Band4	3	20175	1	#0	16QAM	0.359	0.508	PASS
Band4	3	20175	15	#0	16QAM	2.686	2.967	PASS
Band4	3	20385	1	#0	QPSK	0.354	0.483	PASS
Band4	3	20385	15	#0	QPSK	2.700	2.956	PASS
Band4	3	20385	1	#0	16QAM	0.347	0.502	PASS
Band4	3	20385	15	#0	16QAM	2.704	3.003	PASS
Band4	5	19975	1	#0	QPSK	0.552	0.807	PASS
Band4	5	19975	25	#0	QPSK	4.517	5.028	PASS
Band4	5	19975	1	#0	16QAM	0.548	0.785	PASS
Band4	5	19975	25	#0	16QAM	4.506	4.936	PASS
Band4	5	20175	1	#0	QPSK	0.526	0.754	PASS
Band4	5	20175	25	#0	QPSK	4.520	5.022	PASS
Band4	5	20175	1	#0	16QAM	0.531	0.737	PASS
Band4	5	20175	25	#0	16QAM	4.507	4.998	PASS
Band4	5	20375	1	#0	QPSK	0.549	0.807	PASS
Band4	5	20375	25	#0	QPSK	4.513	5.009	PASS
Band4	5	20375	1	#0	16QAM	0.548	0.814	PASS
Band4	5	20375	25	#0	16QAM	4.512	4.980	PASS
Band4	10	20000	1	#0	QPSK	1.177	1.483	PASS
Band4	10	20000	50	#0	QPSK	8.950	10.023	PASS
Band4	10	20000	1	#0	16QAM	1.108	1.531	PASS
Band4	10	20175	1	#0	QPSK	1.128	1.540	PASS

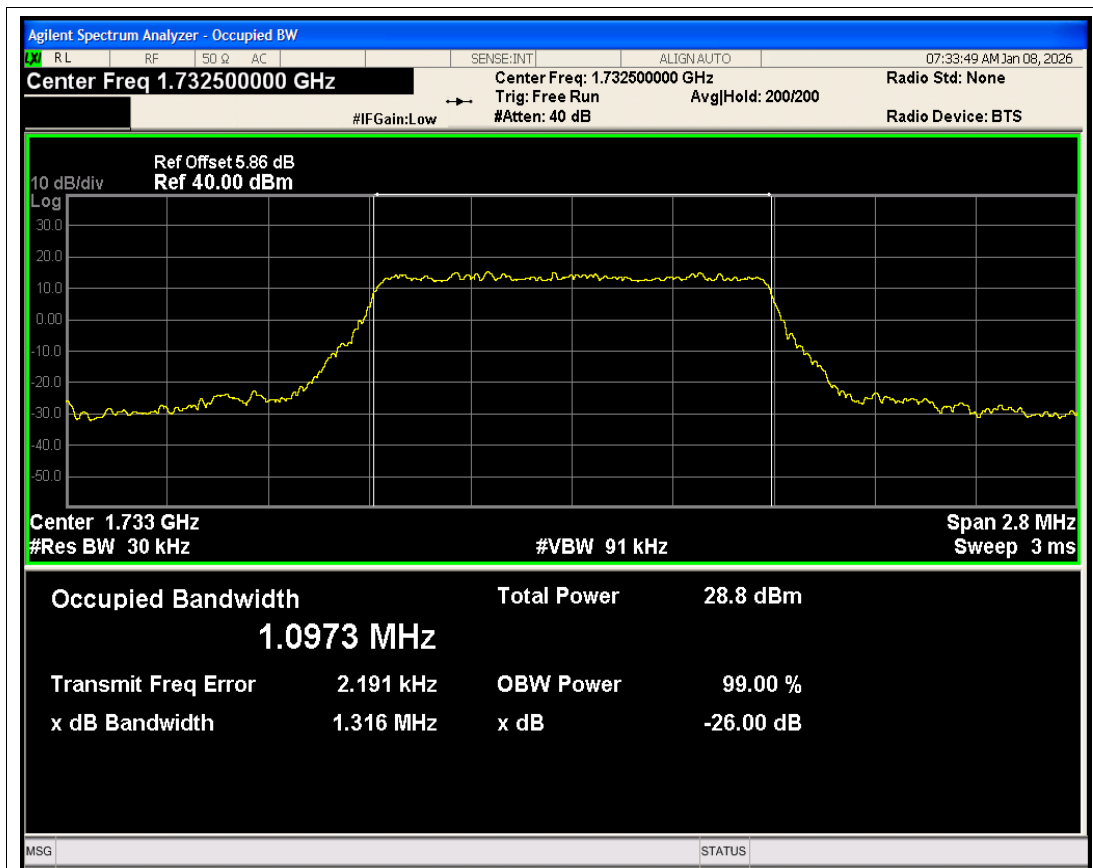
Band4	10	20175	50	#0	QPSK	9.005	9.830	PASS
Band4	10	20175	1	#0	16QAM	1.167	1.644	PASS
Band4	10	20350	1	#0	QPSK	1.157	1.550	PASS
Band4	10	20350	50	#0	QPSK	9.000	9.940	PASS
Band4	10	20350	1	#0	16QAM	1.165	1.502	PASS
Band4	15	20025	1	#0	QPSK	1.621	2.156	PASS
Band4	15	20025	75	#0	QPSK	13.456	14.915	PASS
Band4	15	20025	1	#0	16QAM	1.601	2.184	PASS
Band4	15	20175	1	#0	QPSK	1.696	2.292	PASS
Band4	15	20175	75	#0	QPSK	13.504	14.944	PASS
Band4	15	20175	1	#0	16QAM	1.763	2.187	PASS
Band4	15	20325	1	#0	QPSK	1.622	2.276	PASS
Band4	15	20325	75	#0	QPSK	13.499	15.262	PASS
Band4	15	20325	1	#0	16QAM	1.518	2.048	PASS
Band4	20	20050	1	#0	QPSK	2.063	2.885	PASS
Band4	20	20050	100	#0	QPSK	17.943	20.294	PASS
Band4	20	20050	1	#0	16QAM	2.122	2.874	PASS
Band4	20	20175	1	#0	QPSK	2.189	3.028	PASS
Band4	20	20175	100	#0	QPSK	18.013	19.726	PASS
Band4	20	20175	1	#0	16QAM	2.061	2.942	PASS
Band4	20	20300	1	#0	QPSK	2.117	2.650	PASS
Band4	20	20300	100	#0	QPSK	17.951	19.869	PASS
Band4	20	20300	1	#0	16QAM	1.907	2.983	PASS



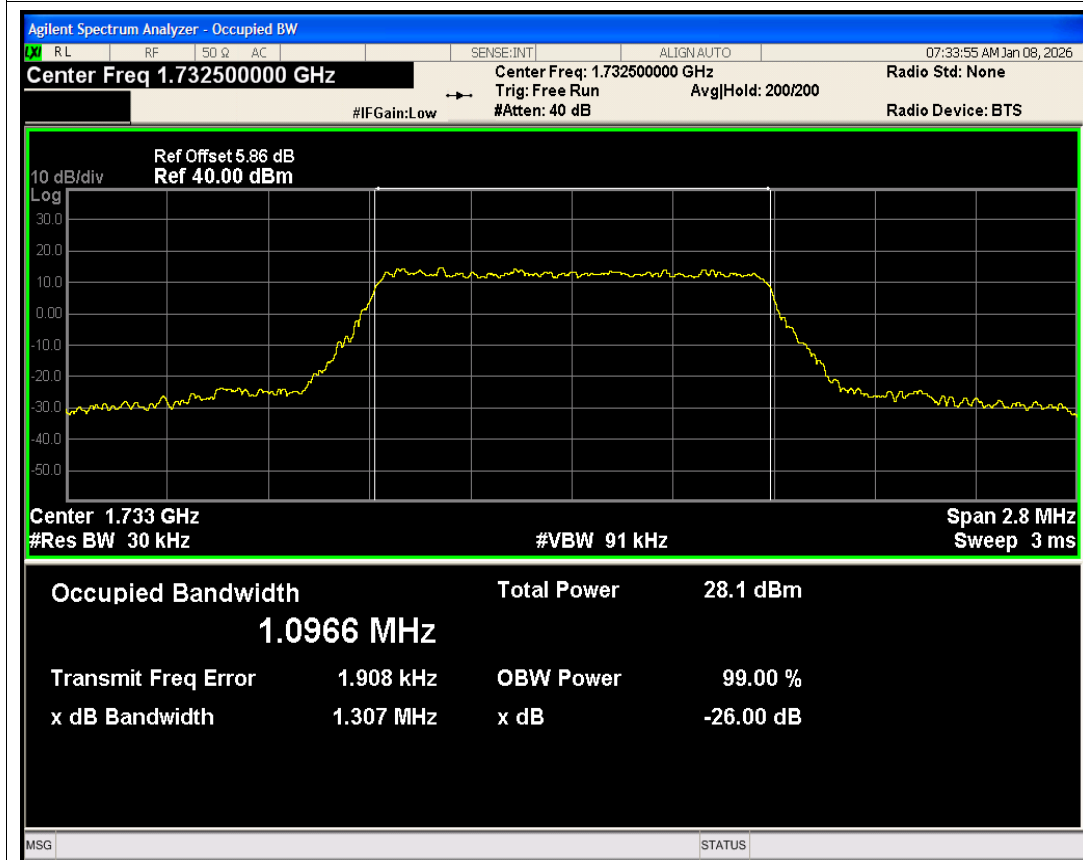
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



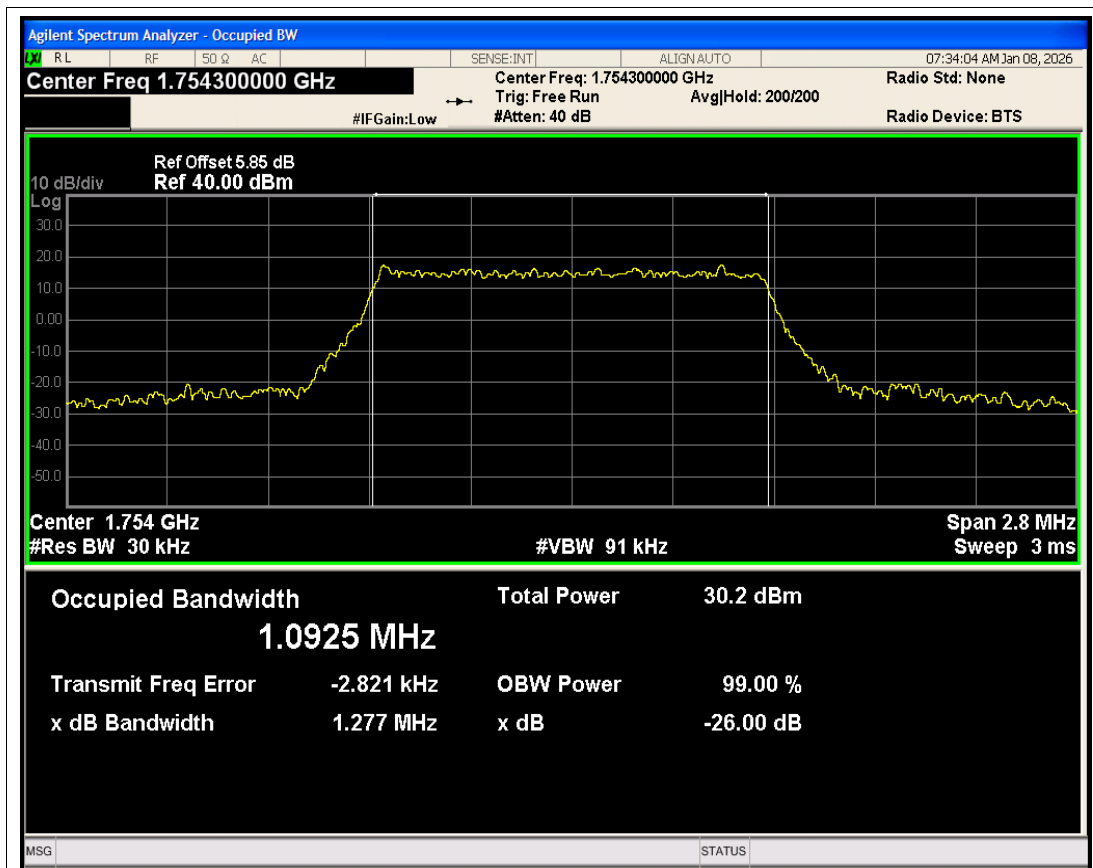
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



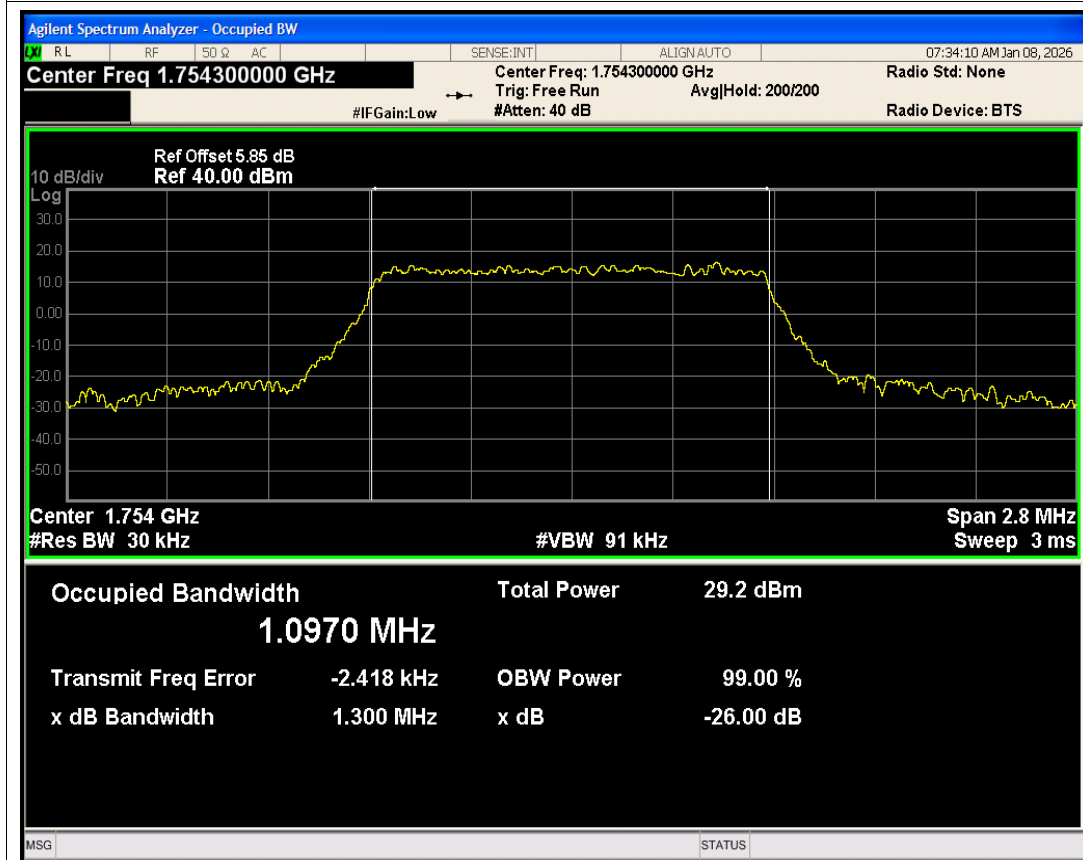
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



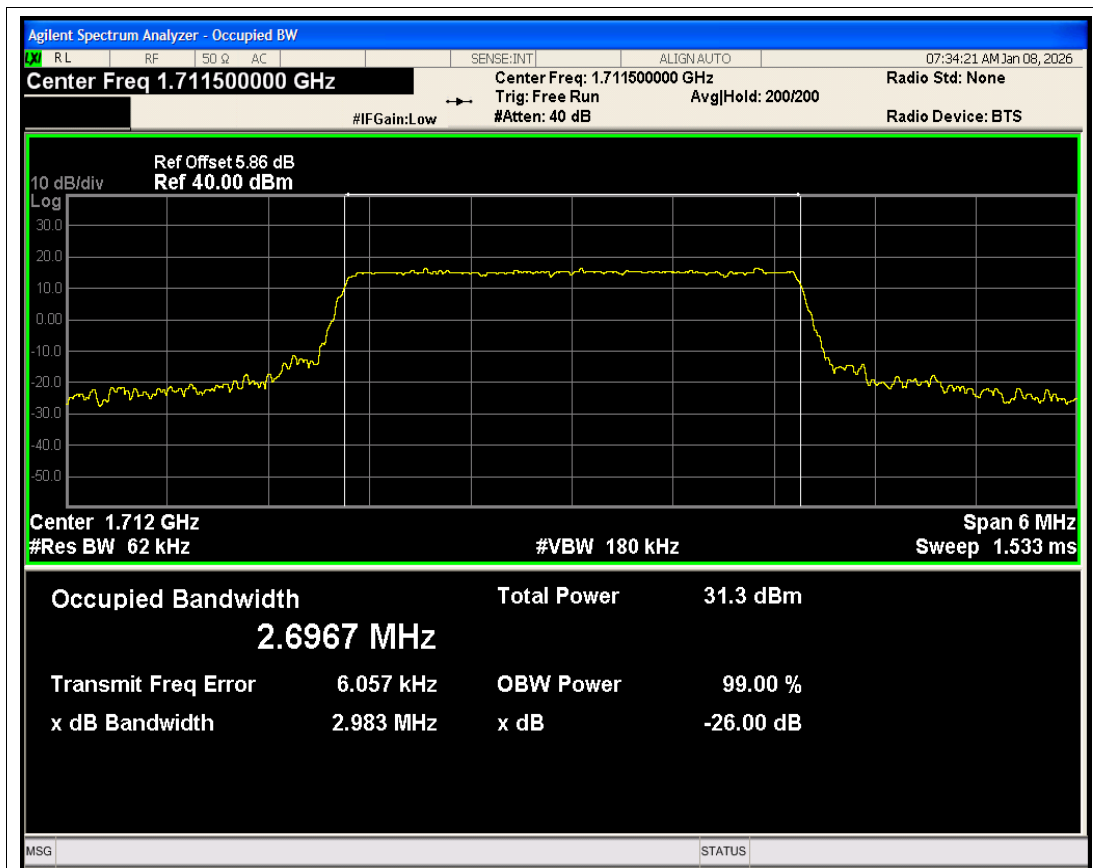
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



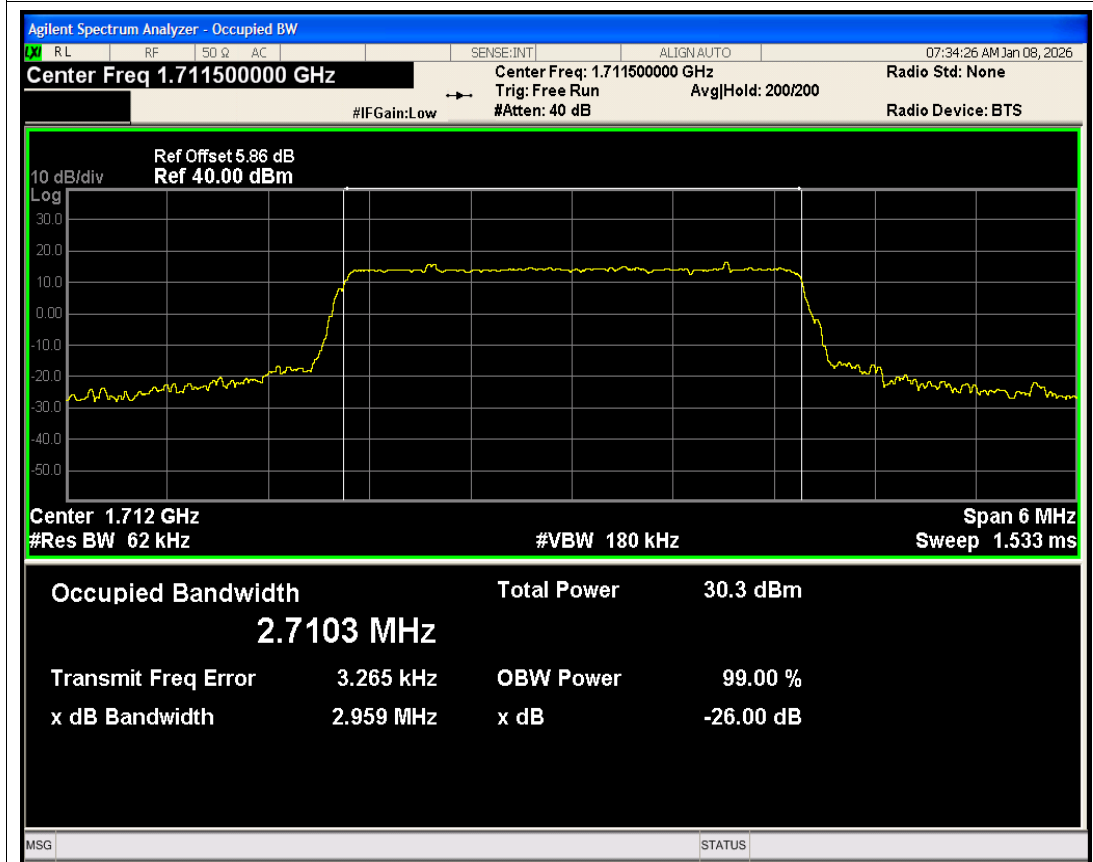
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



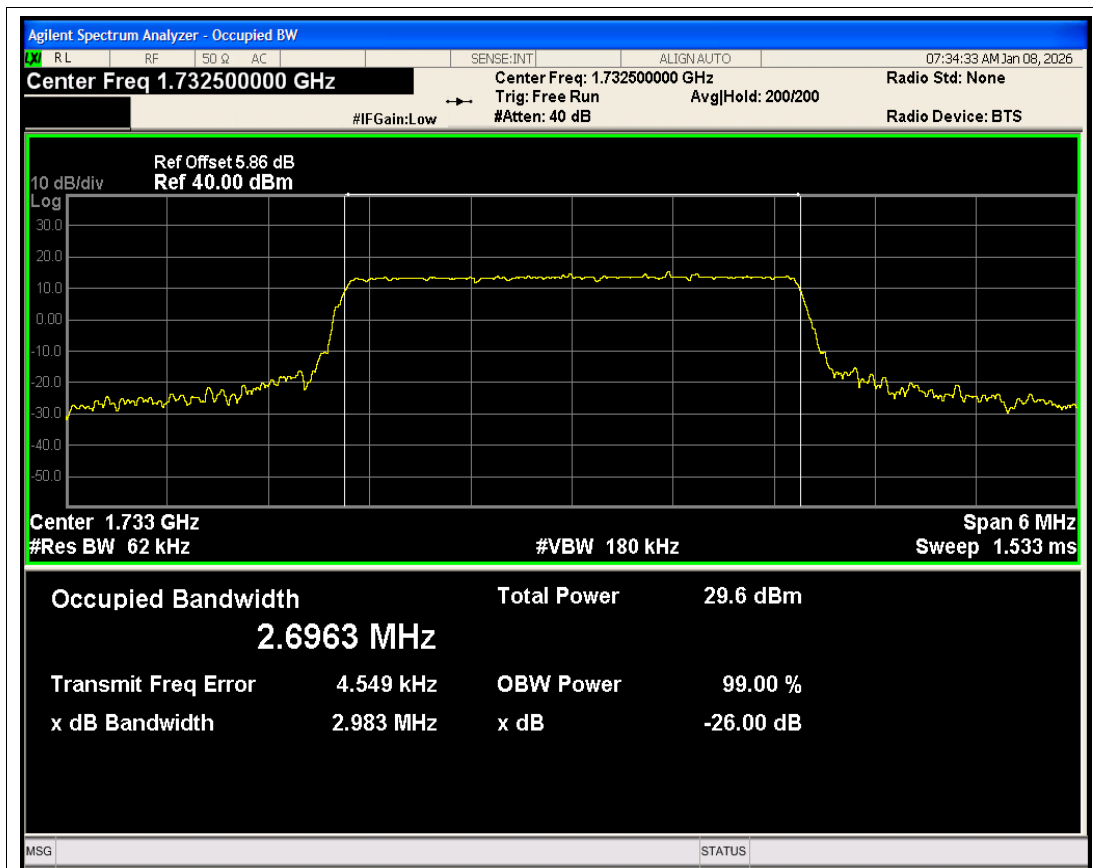
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



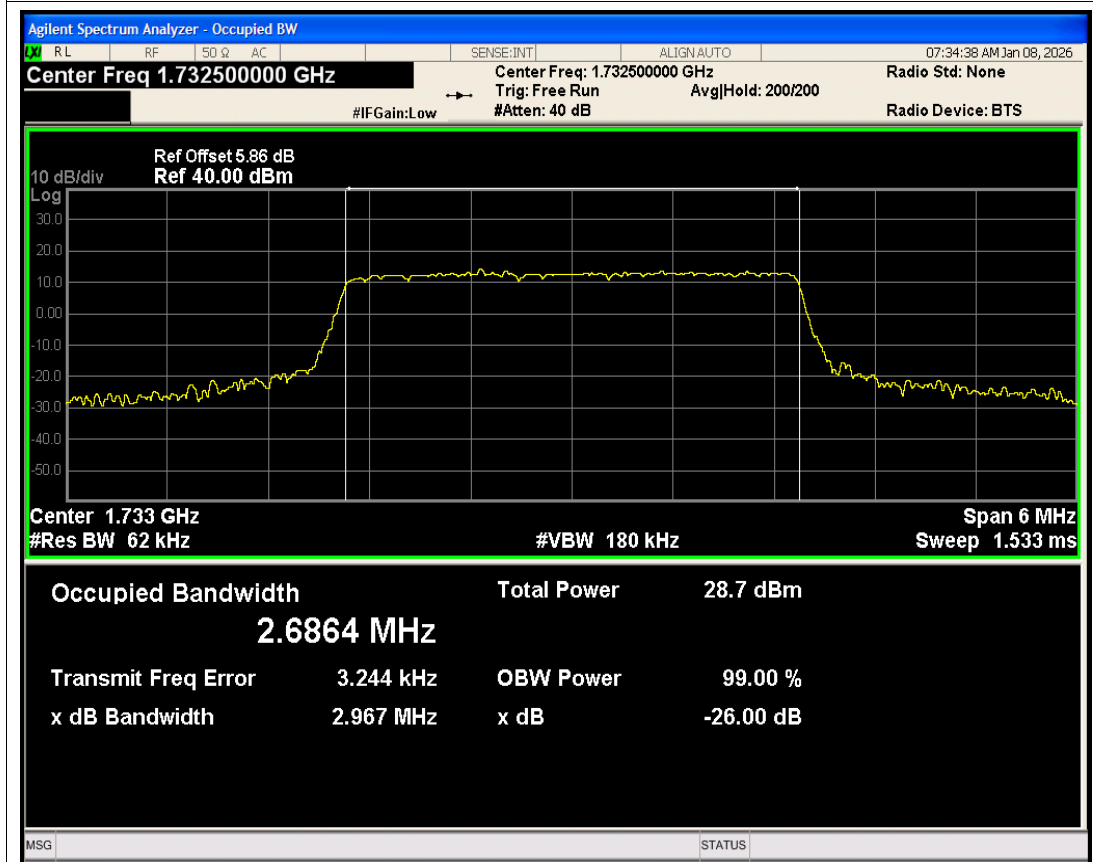
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



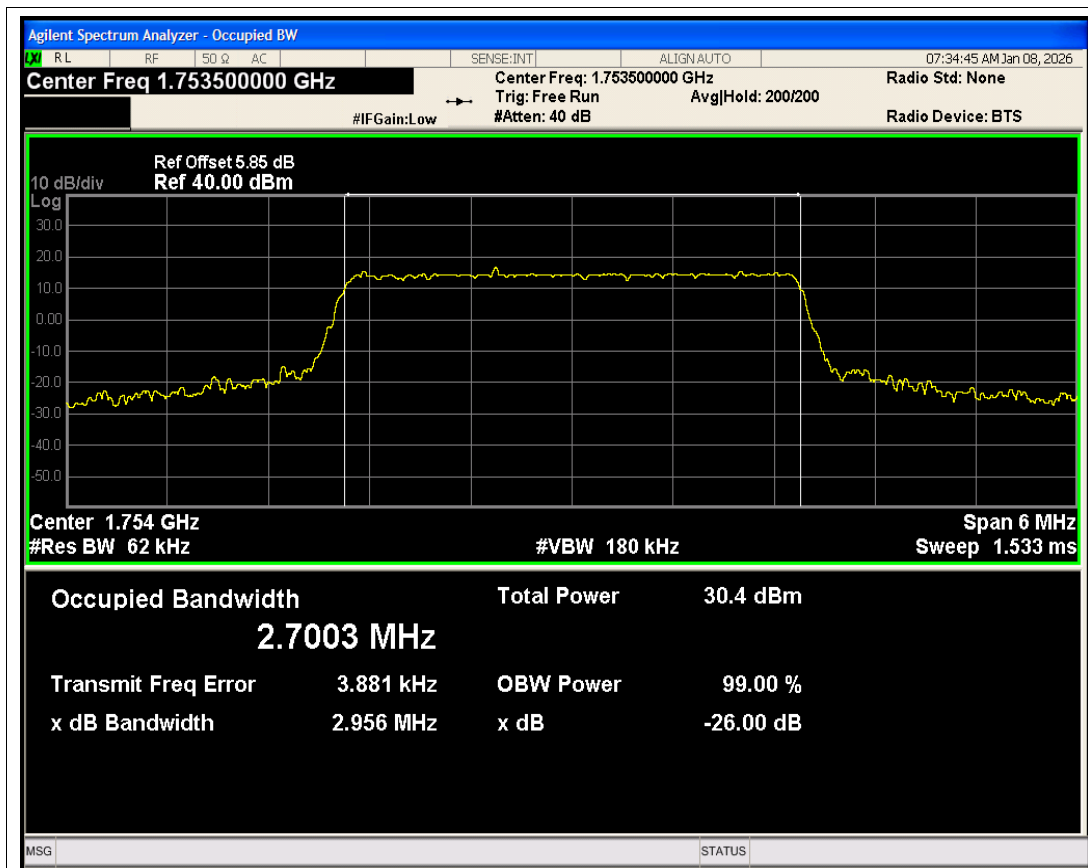
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



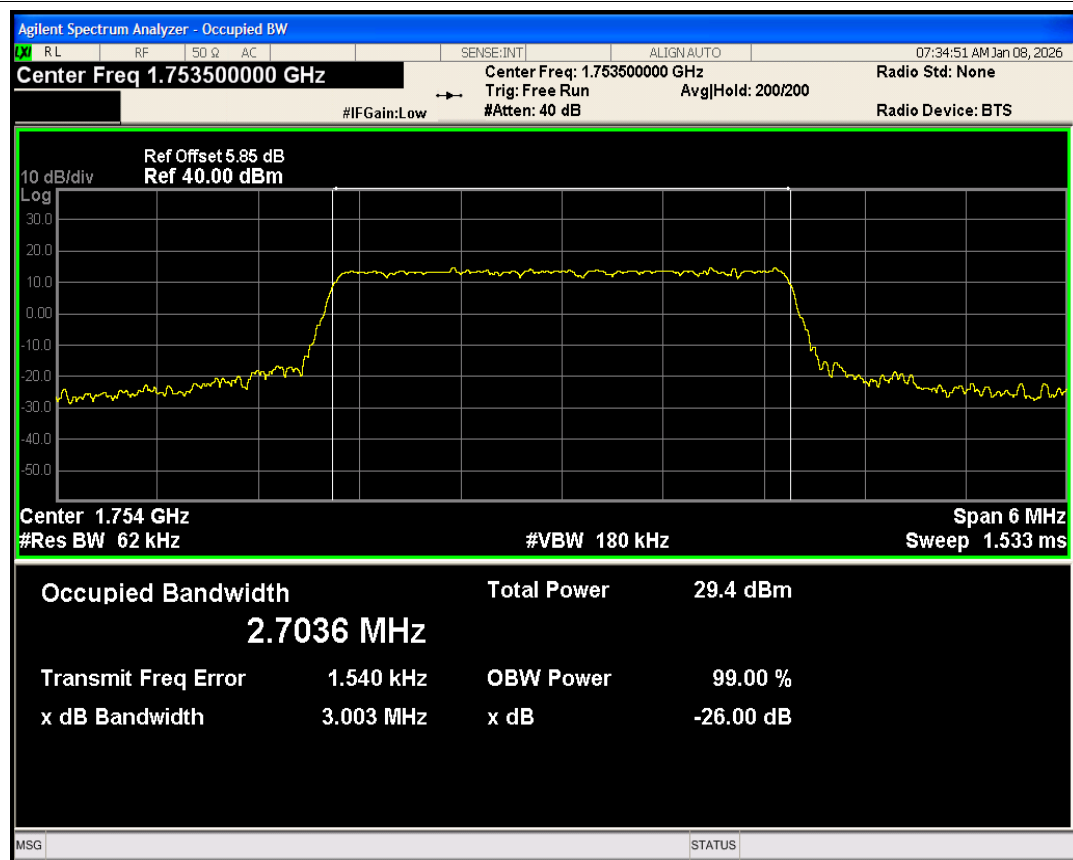
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



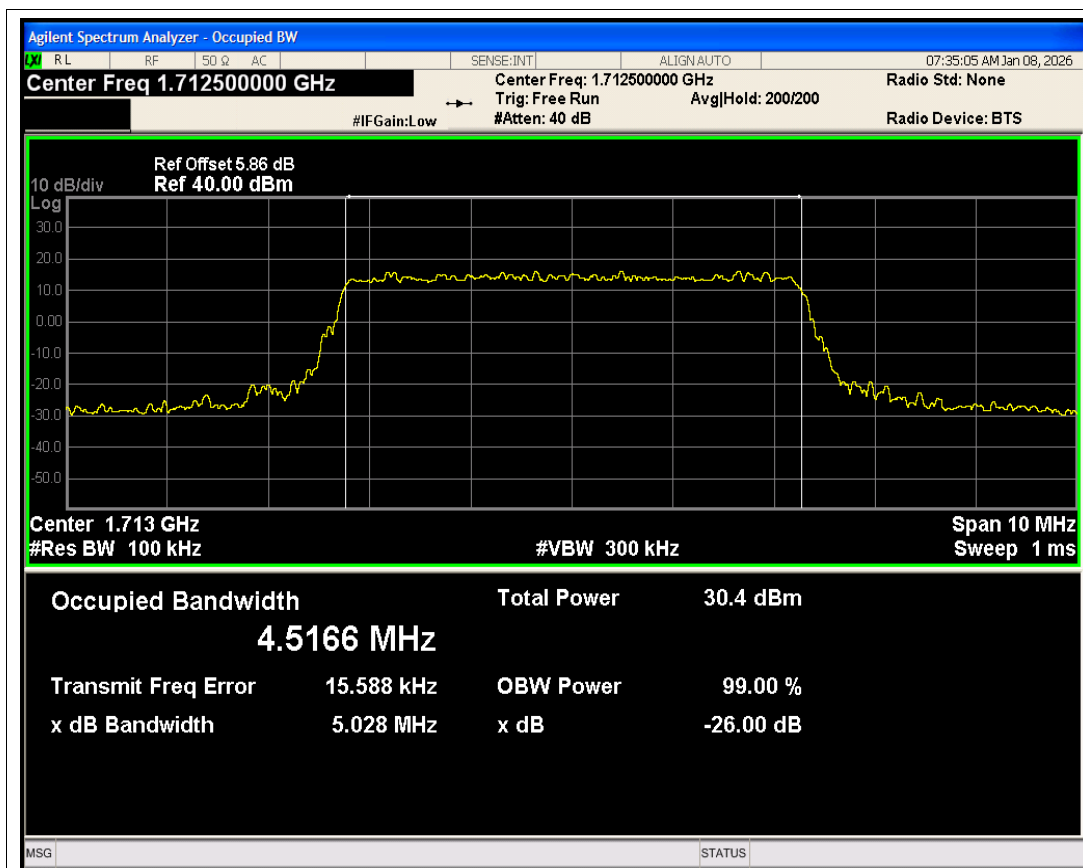
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



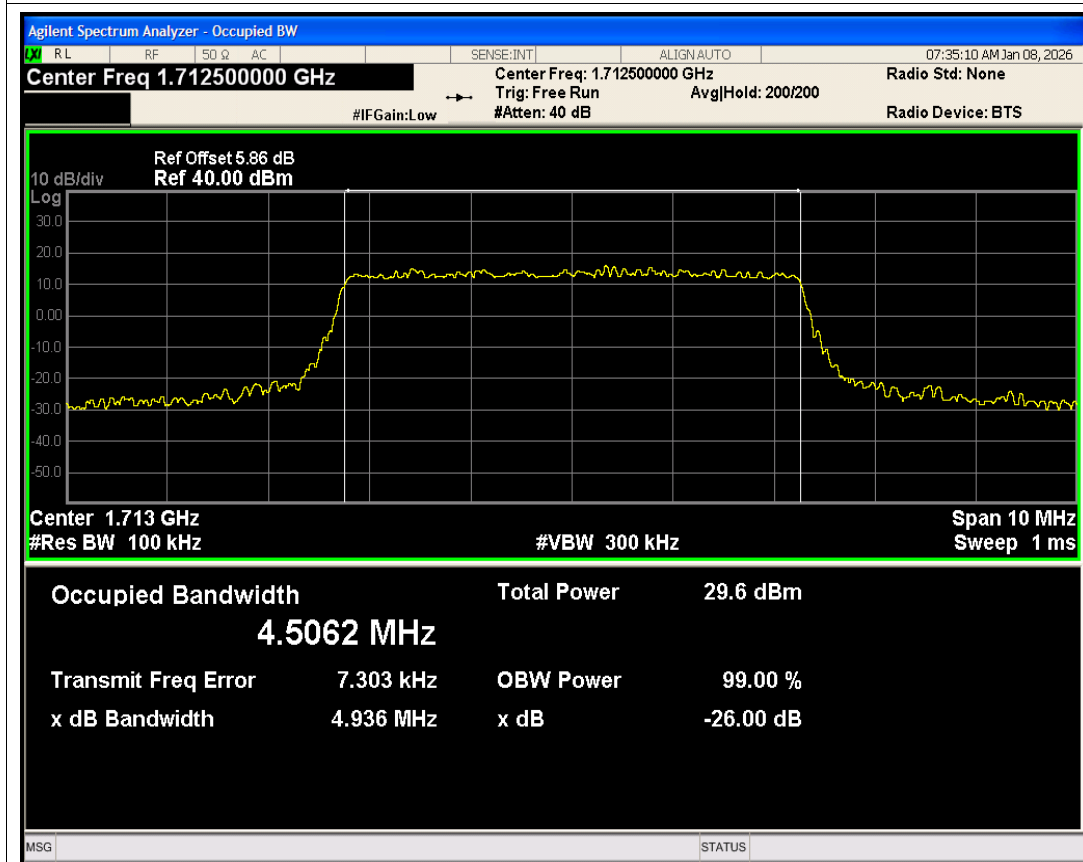
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



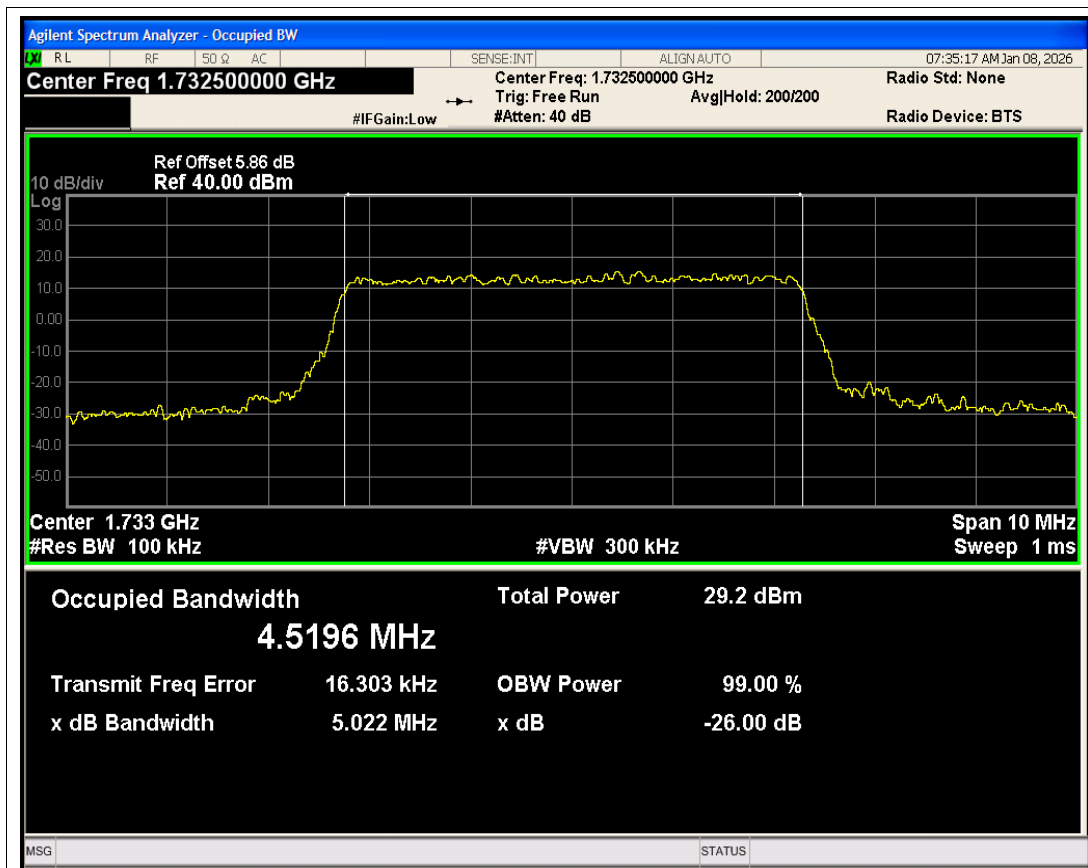
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



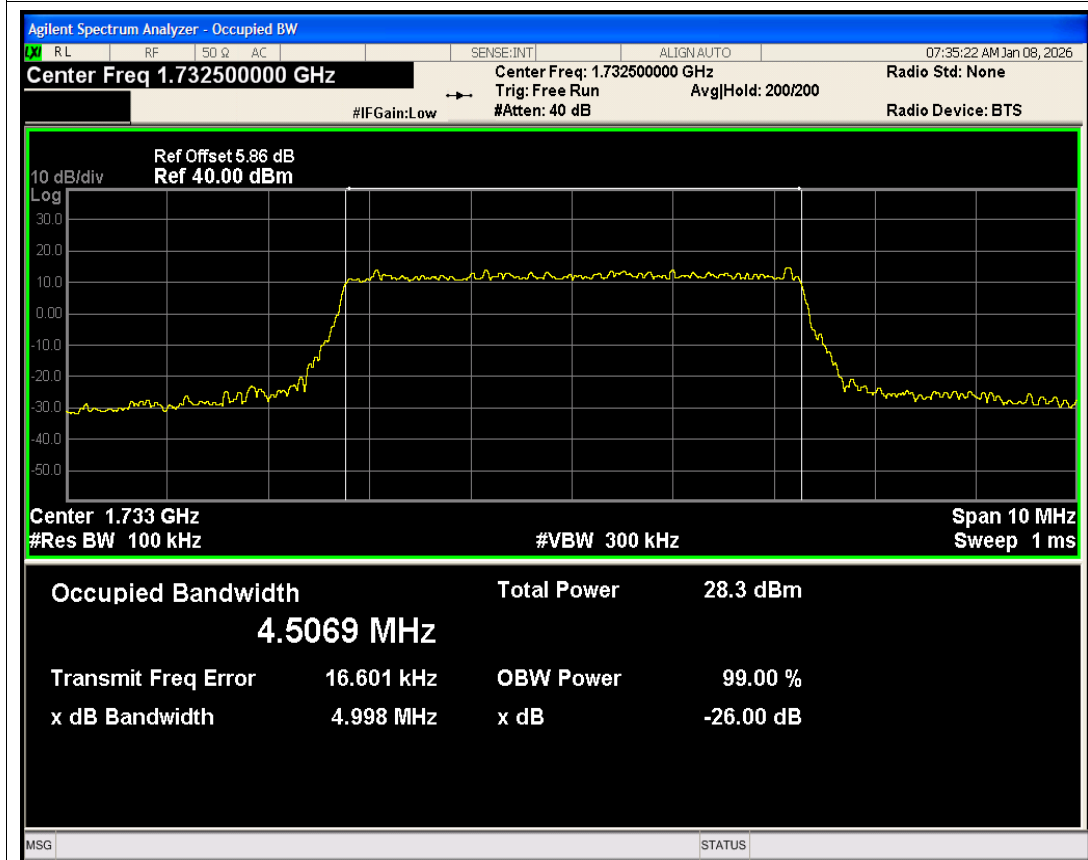
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



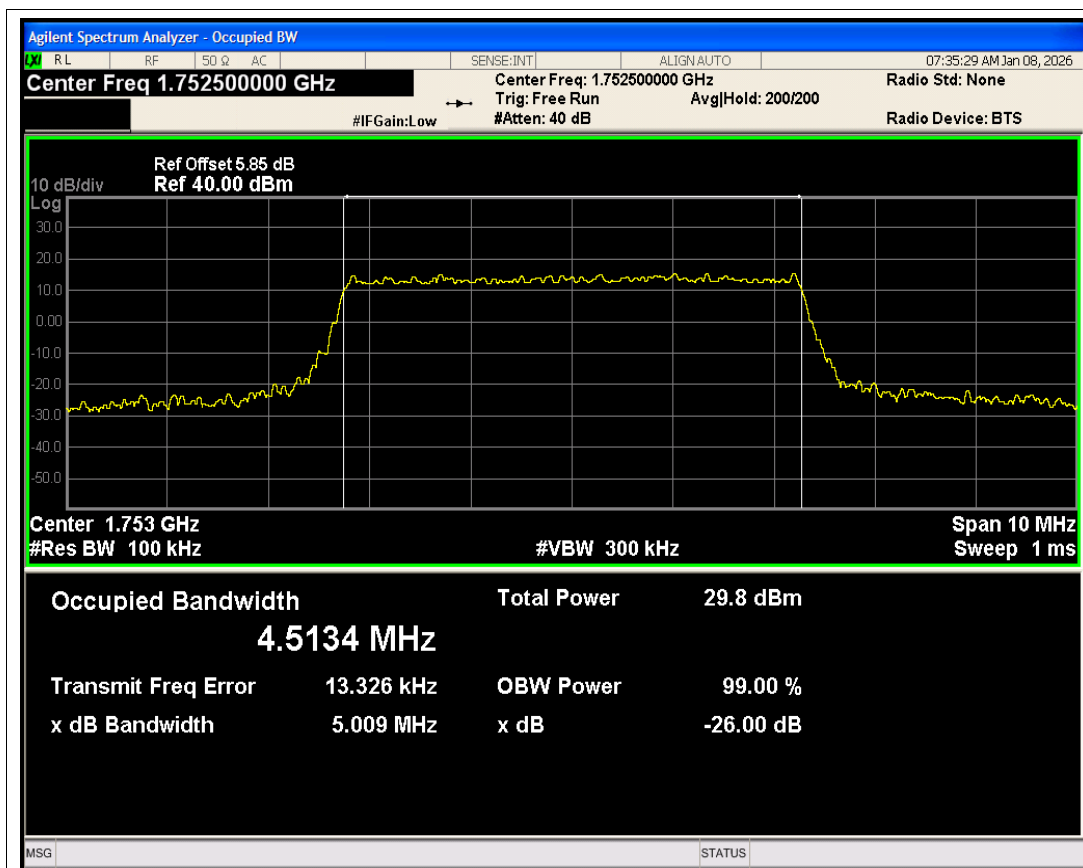
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



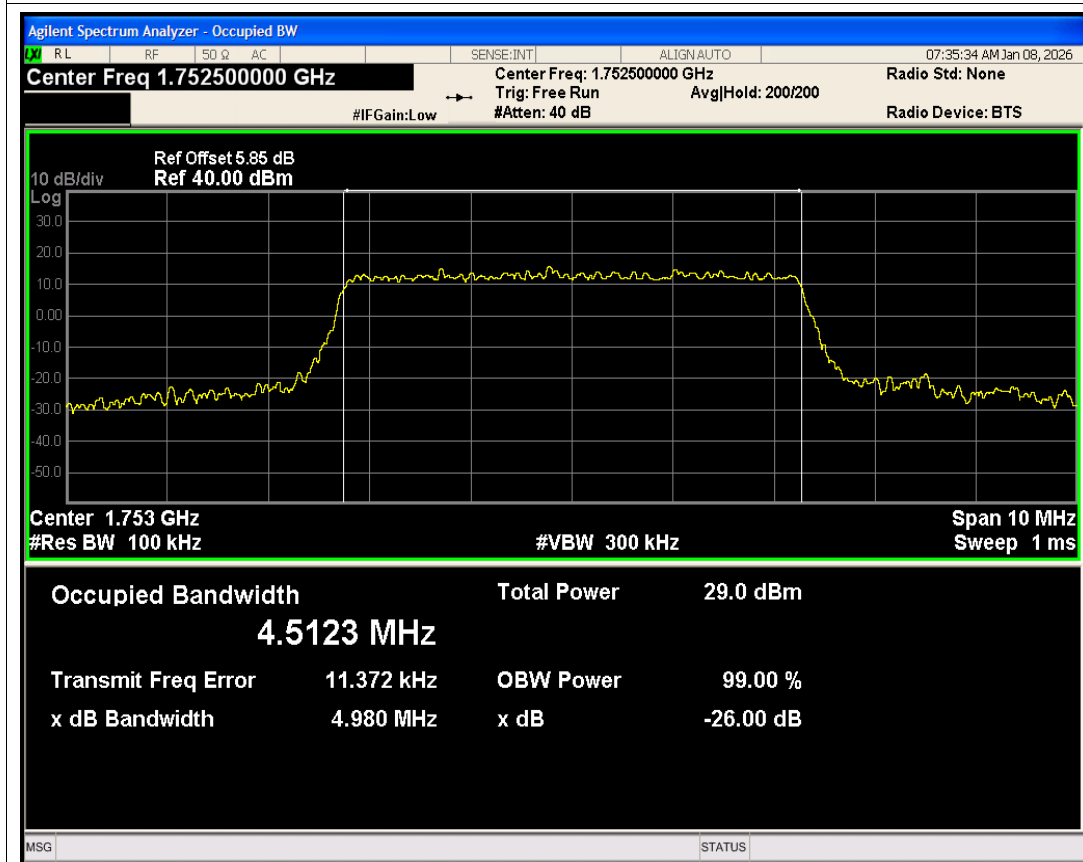
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



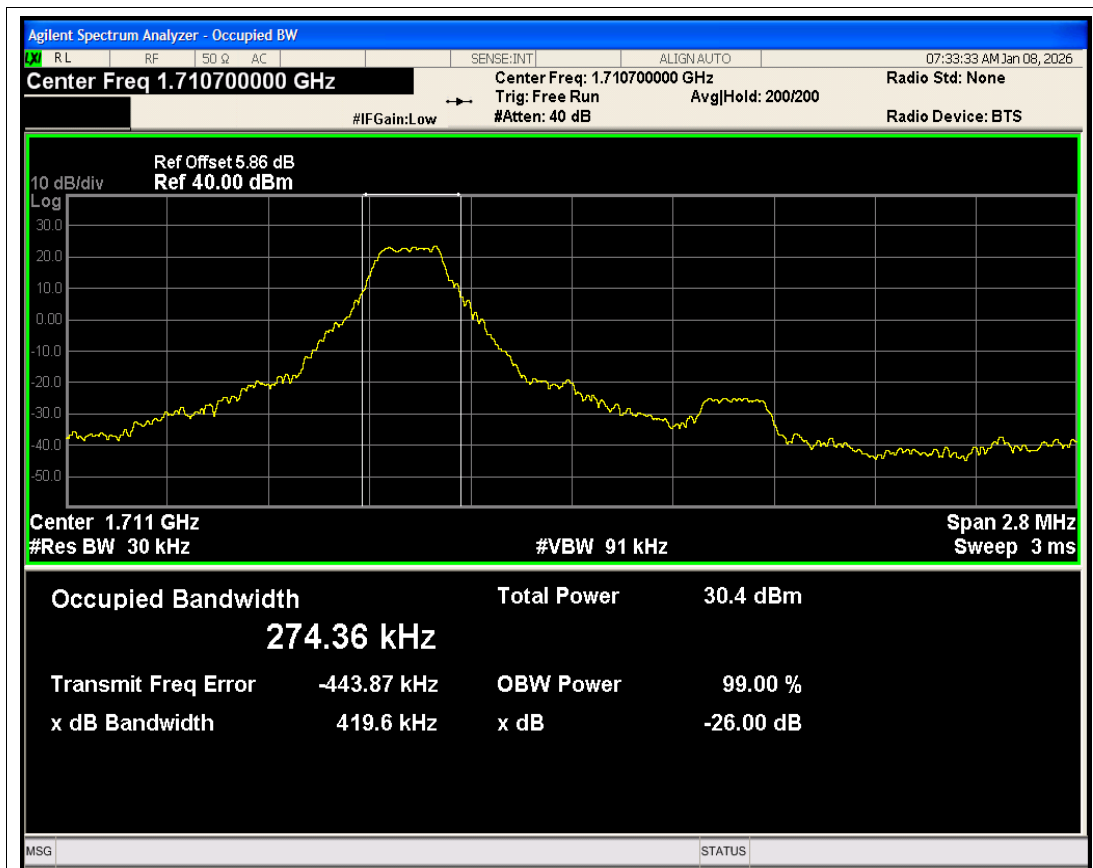
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



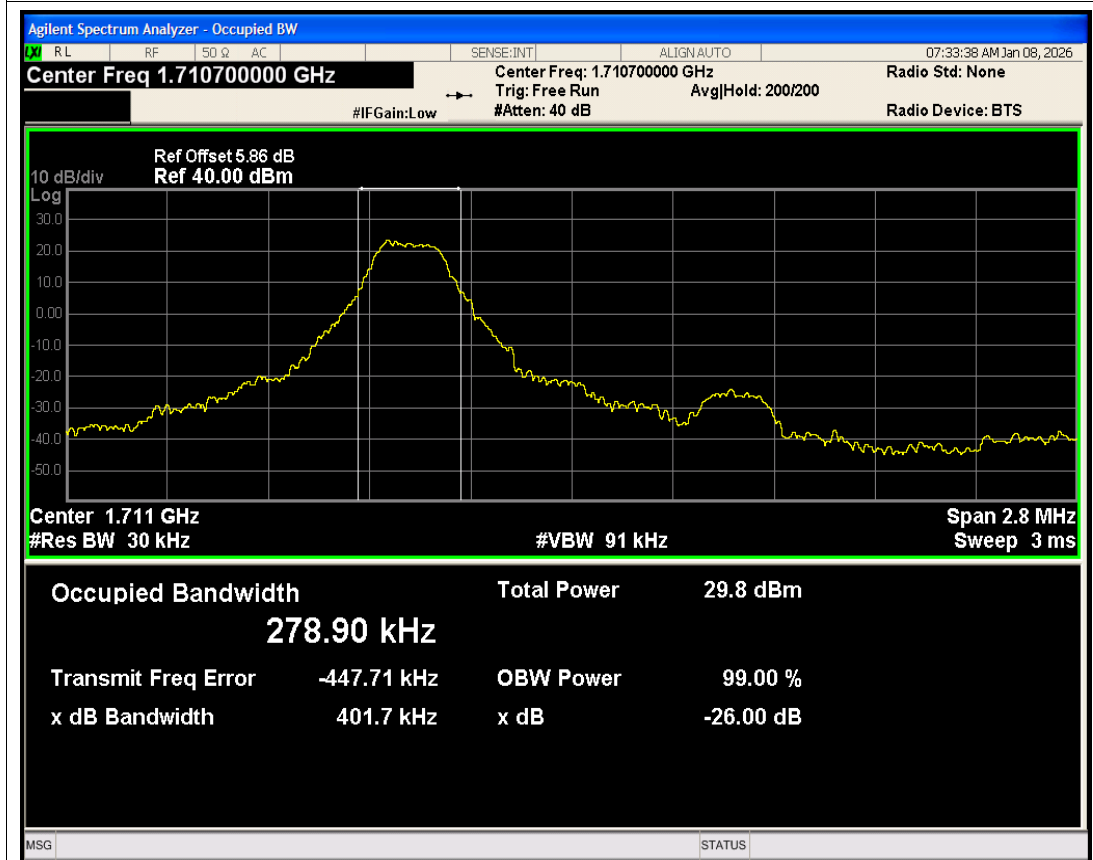
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



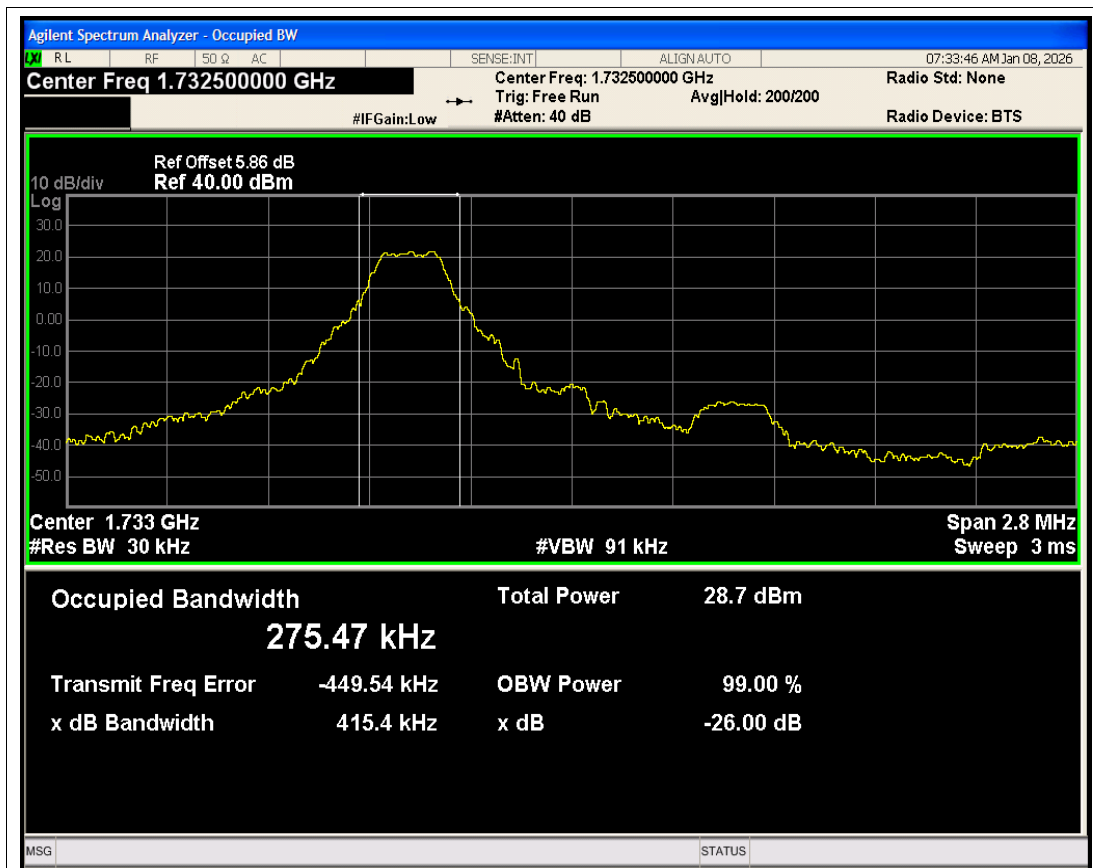
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



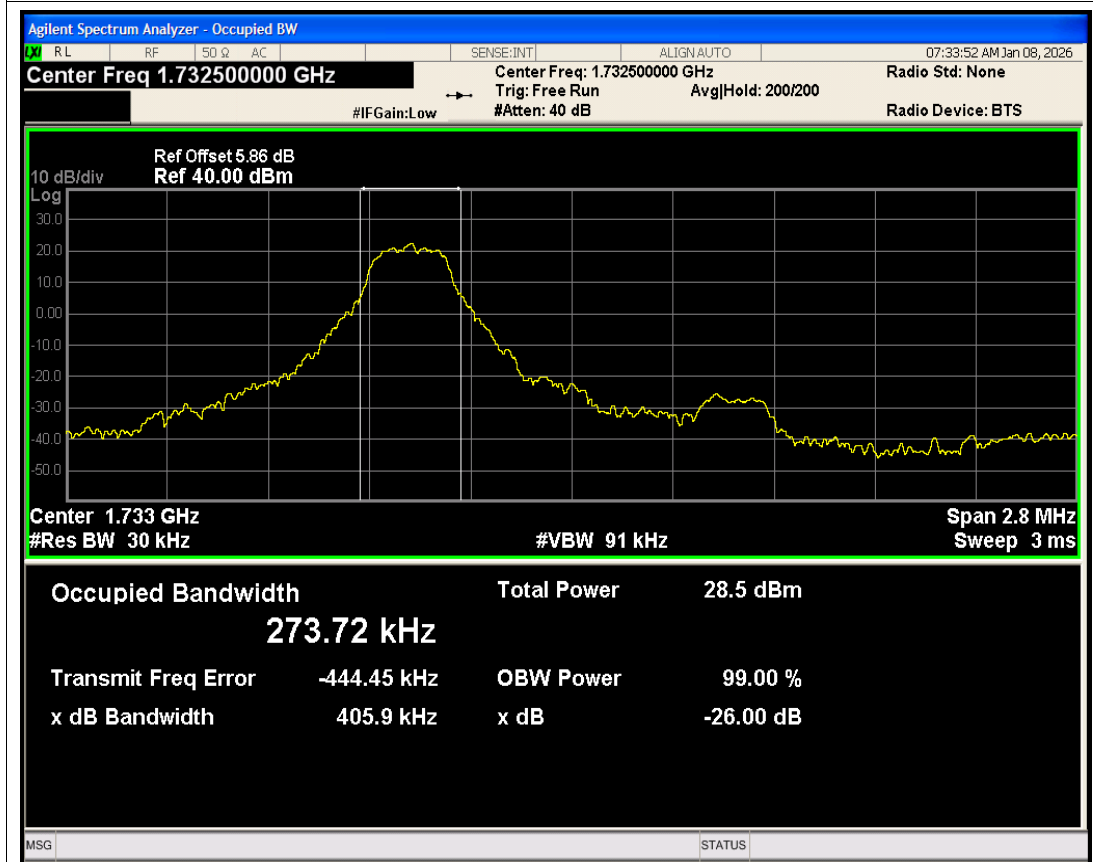
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



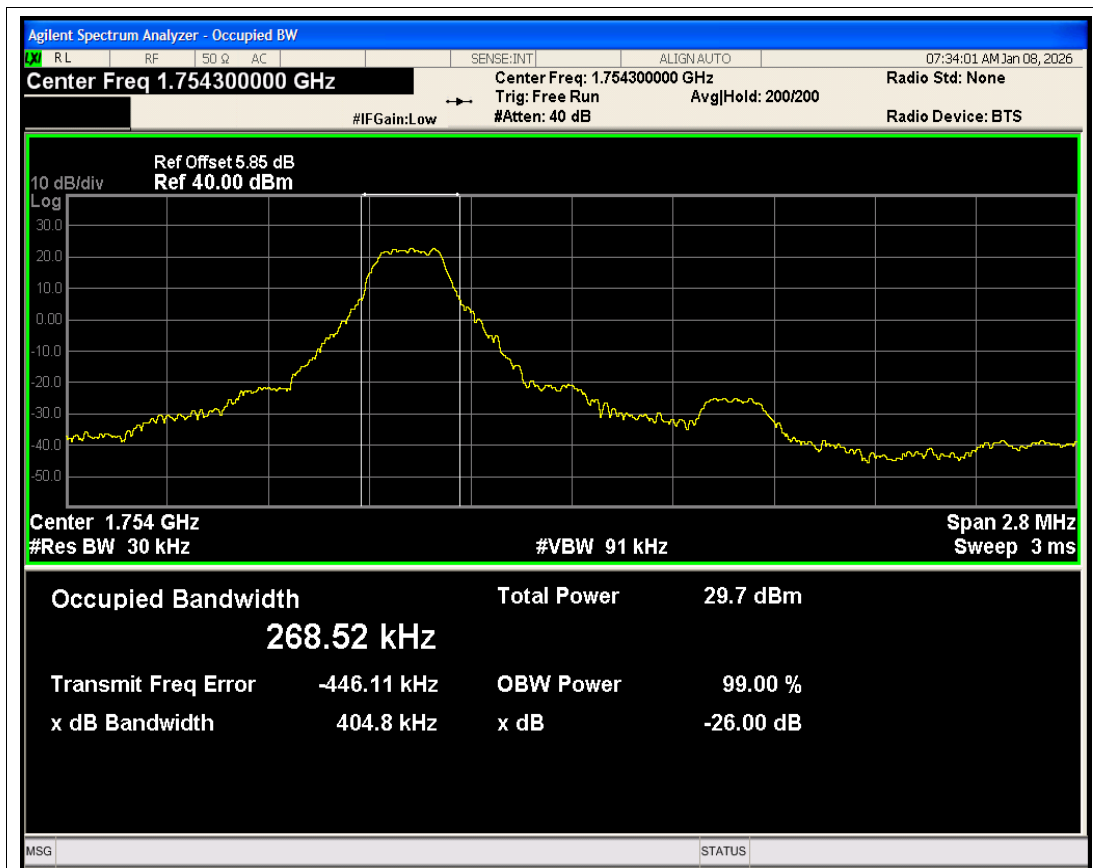
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



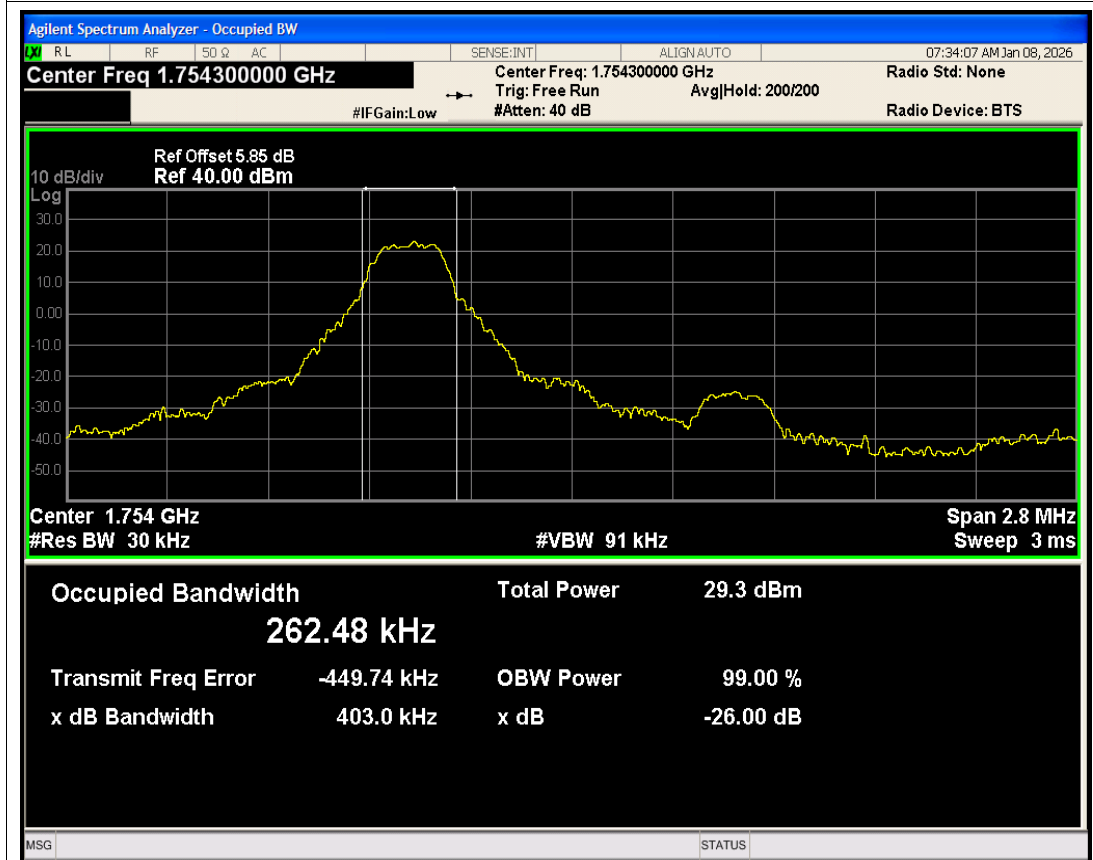
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



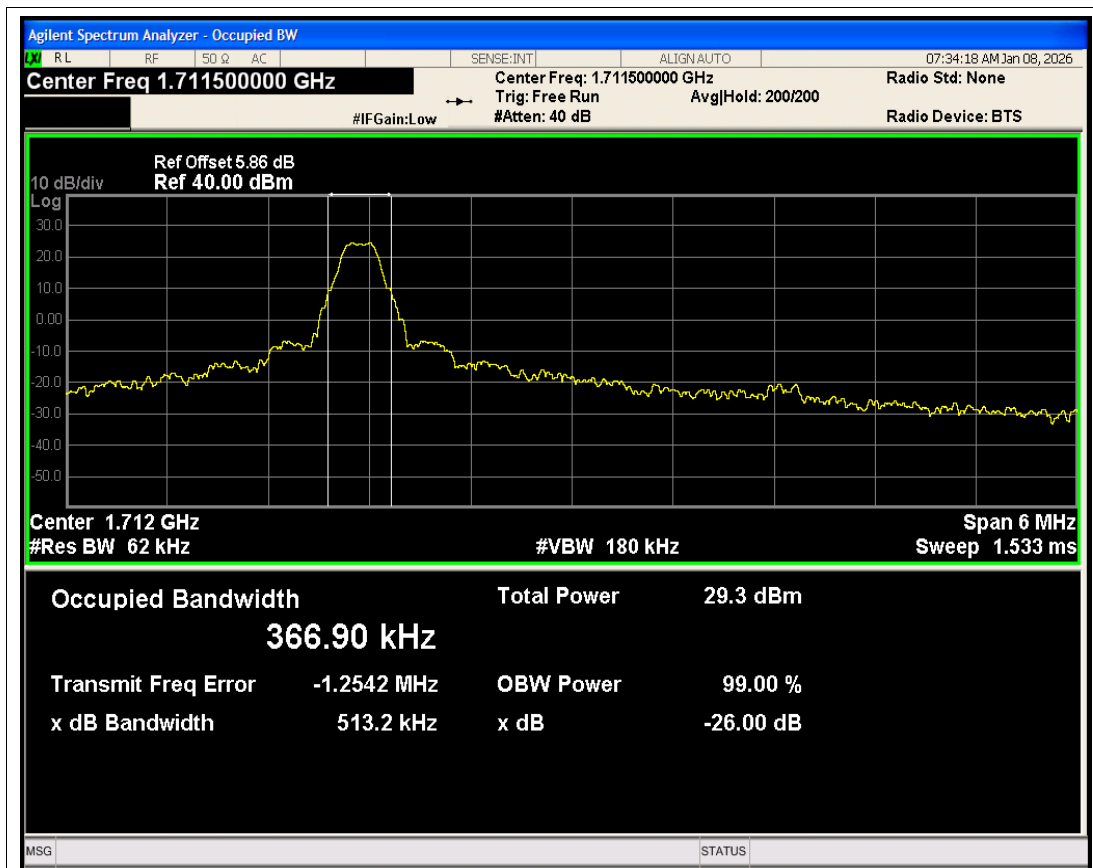
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



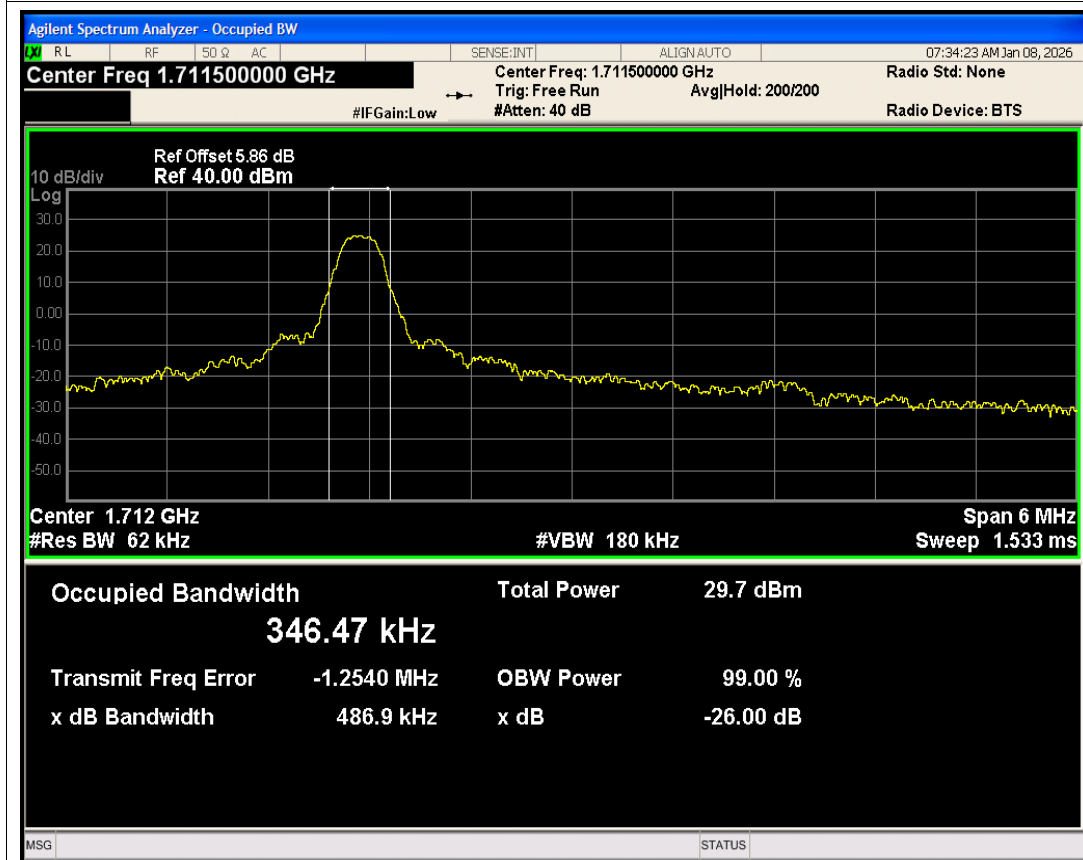
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



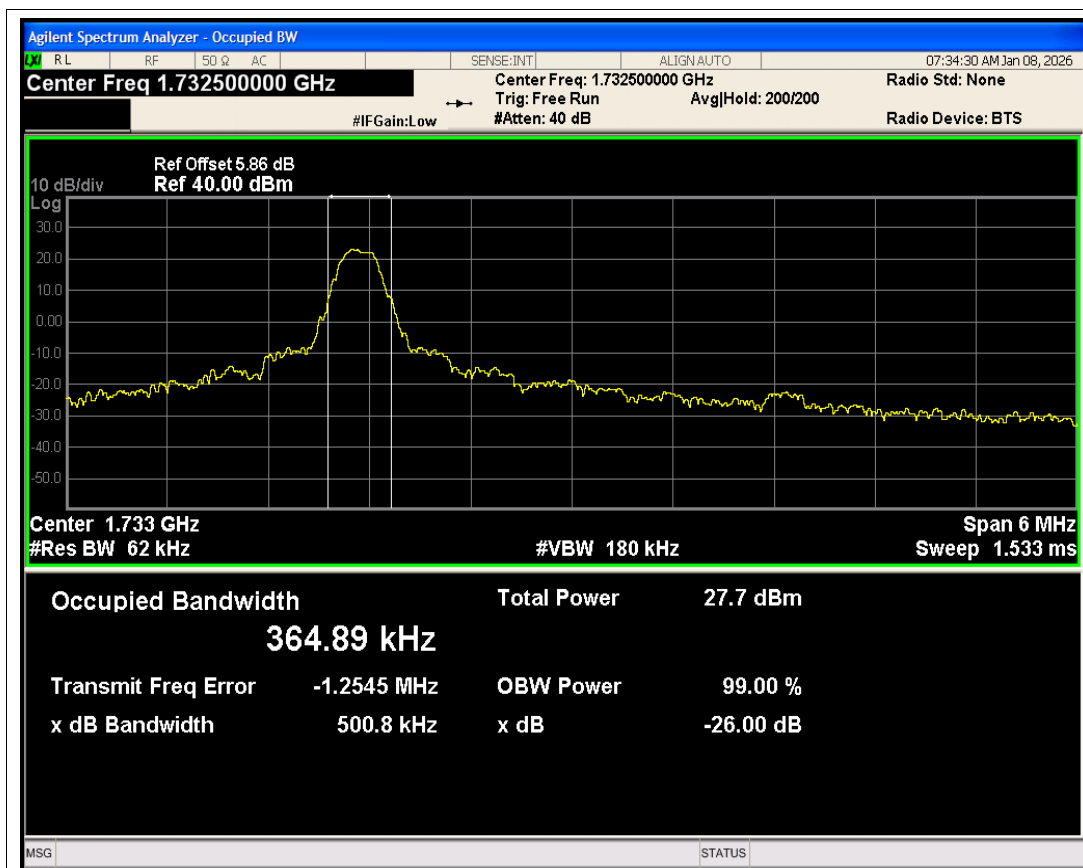
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



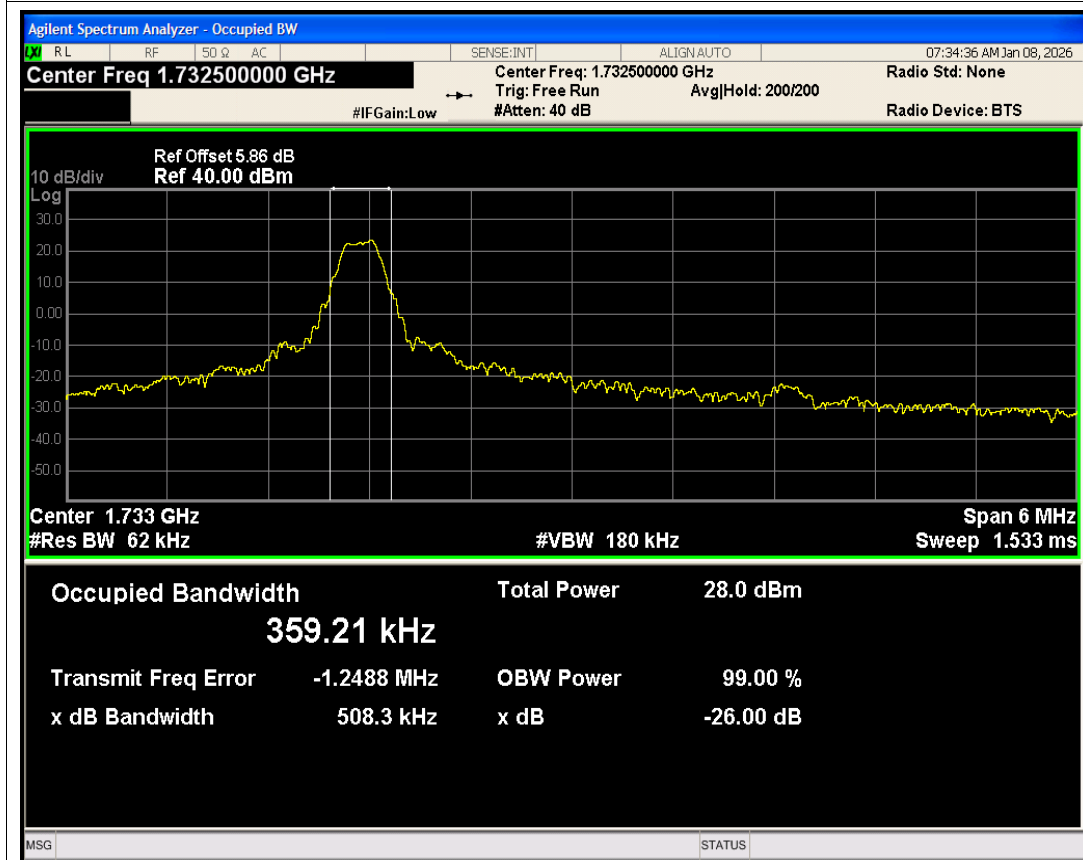
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



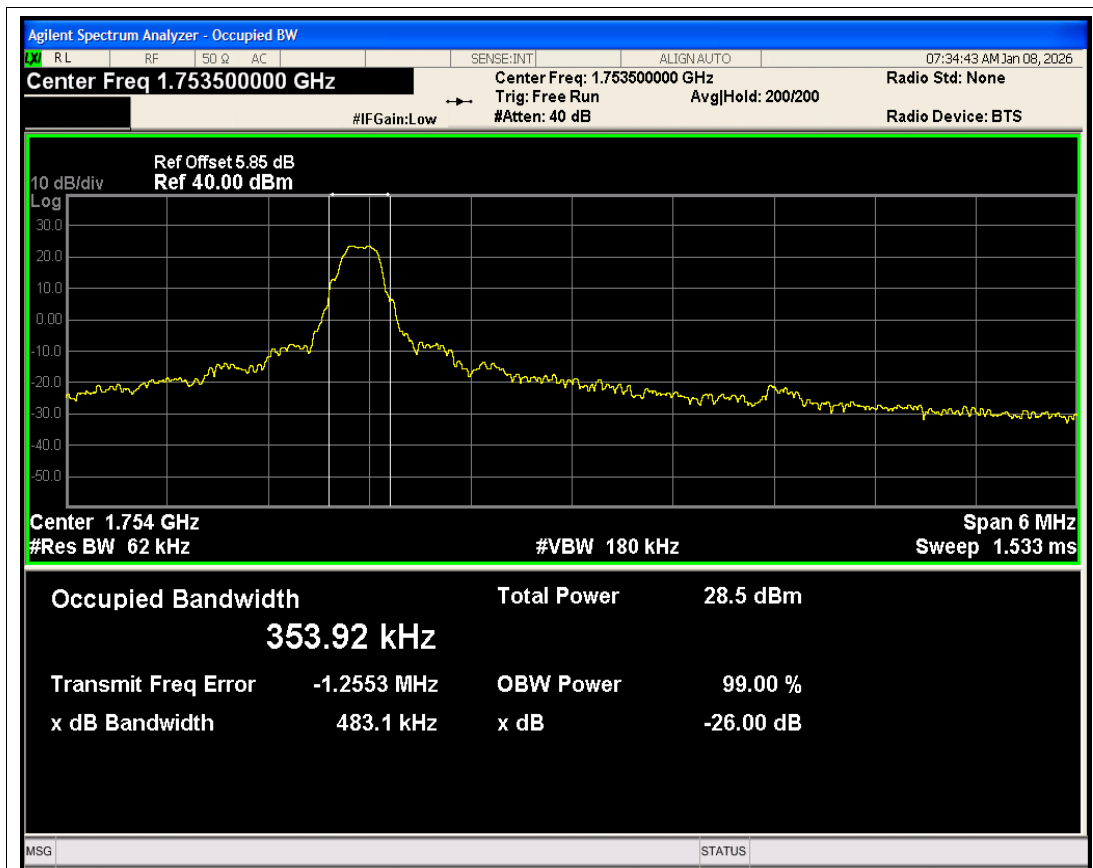
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



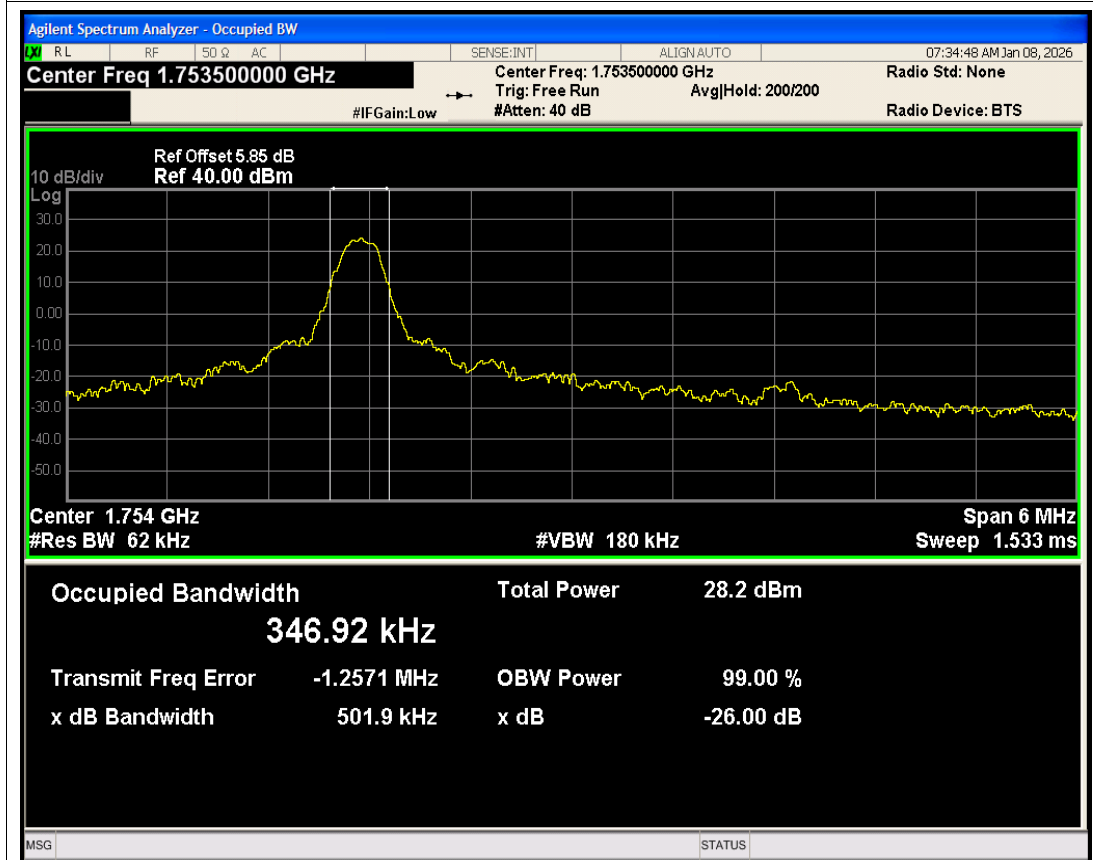
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



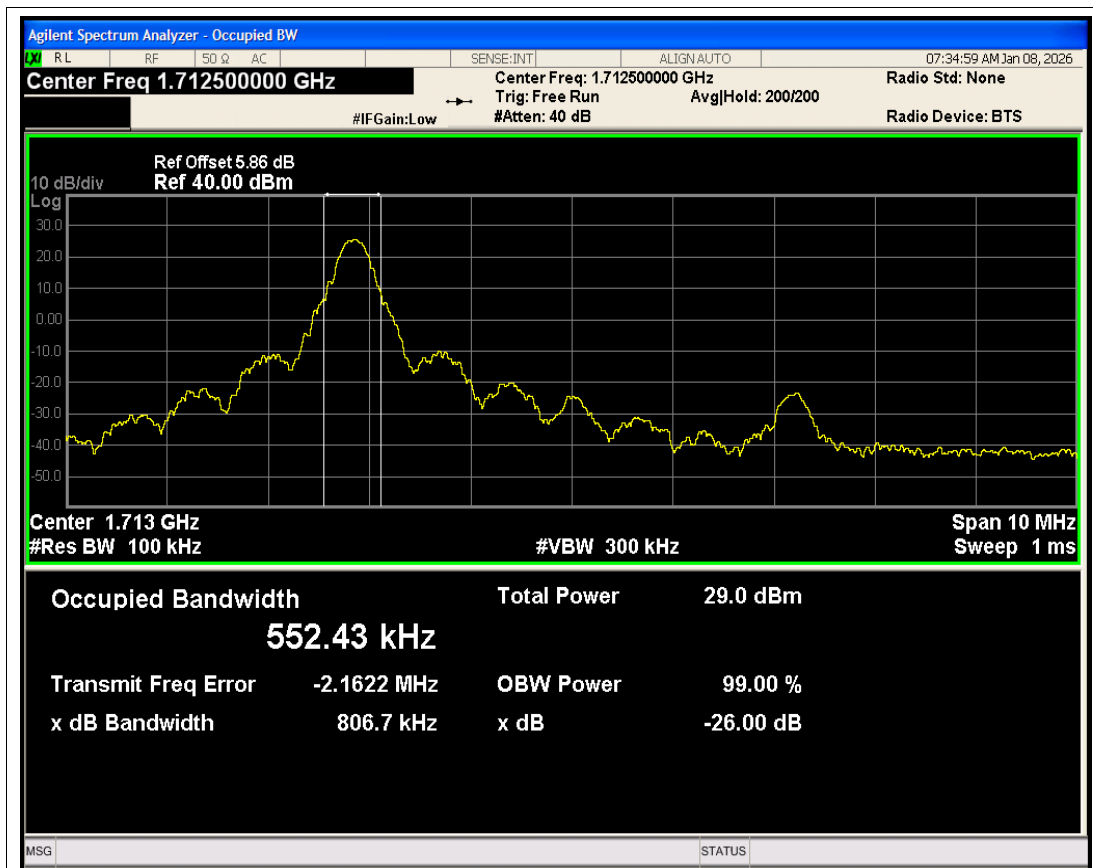
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



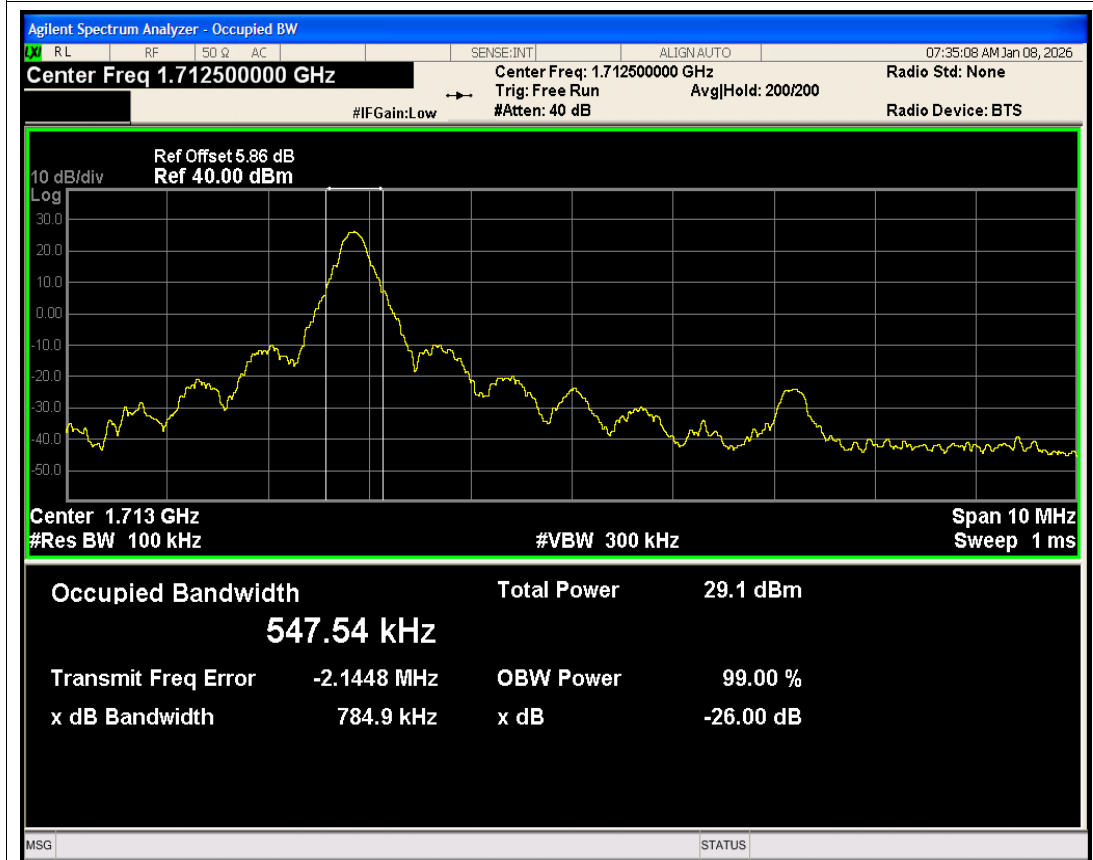
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



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