

Appendix for Band 4

Report No.: BCTC2304548311-5E

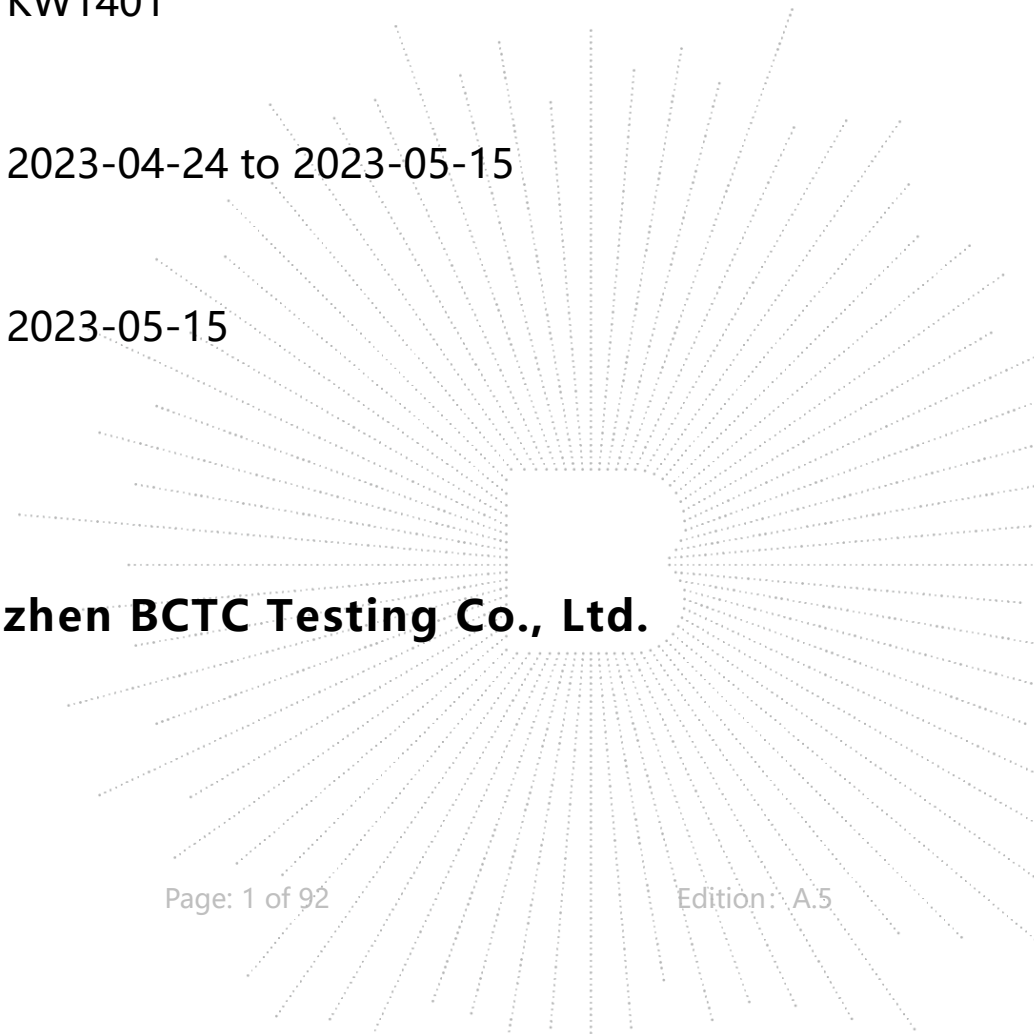
Applicant: OAXIS ASIA PTE LTD

Product Name: myFirst Fone S3

Model/Type
reference: KW1401

Tested Date: 2023-04-24 to 2023-05-15

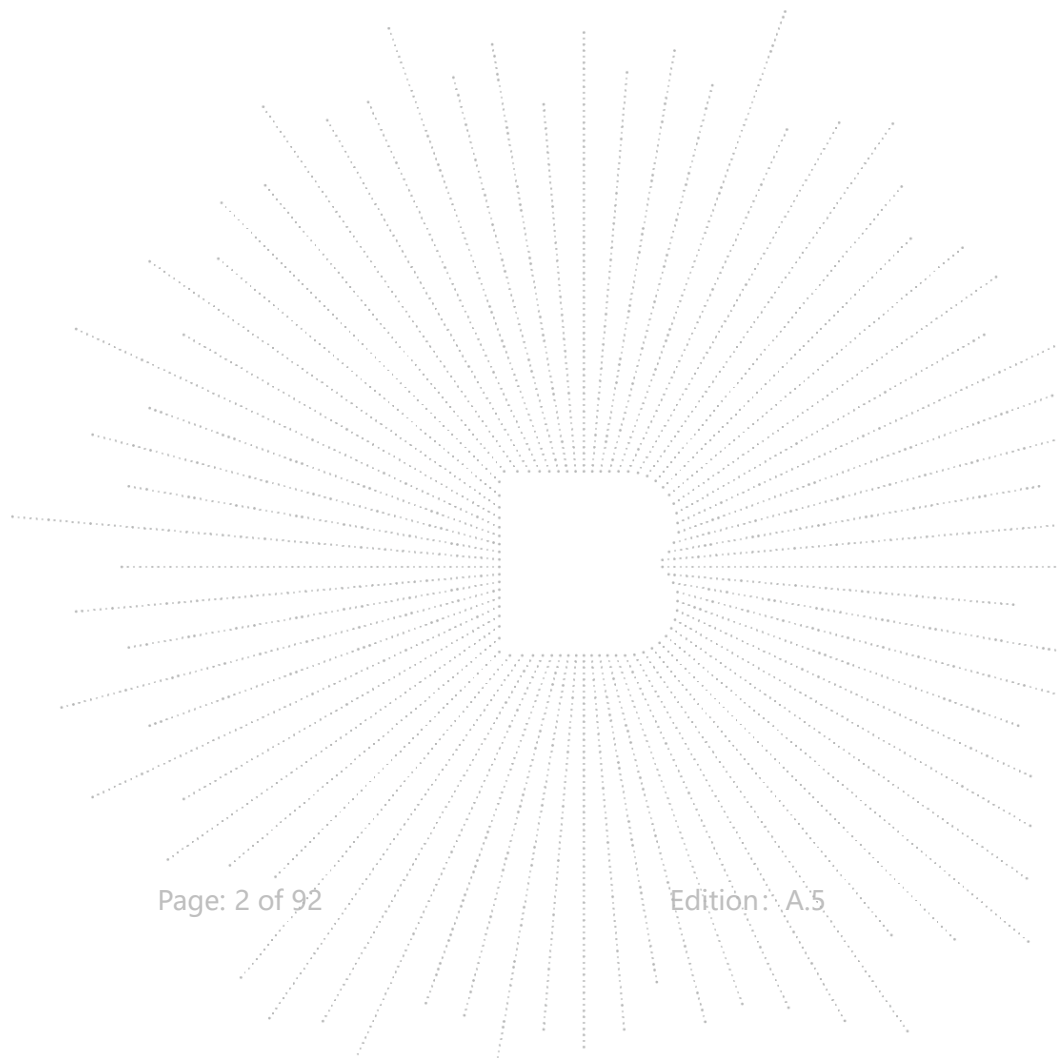
Issued Date: 2023-05-15



Shenzhen BCTC Testing Co., Ltd.

Contents

Appendix 1. Conducted output power	3
Appendix 2. Frequency stability.....	9
Appendix 3. Peak-to-Average Ratio	22
Appendix 4. Occupied bandwidth	42
Appendix 5. Band edge	61
Appendix 6. Out-of-band emissions	74



Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	23.28	-4.55	18.73	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.23	-4.55	18.68	PASS
Band4	1.4	19957	1	#Max	QPSK	23.18	-4.55	18.63	PASS
Band4	1.4	19957	3	#0	QPSK	23.09	-4.55	18.54	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.00	-4.55	18.45	PASS
Band4	1.4	19957	3	#Max	QPSK	23.07	-4.55	18.52	PASS
Band4	1.4	19957	6	#0	QPSK	22.07	-4.55	17.52	PASS
Band4	1.4	19957	1	#0	16QAM	23.11	-4.55	18.56	PASS
Band4	1.4	19957	1	#Mid	16QAM	23.06	-4.55	18.51	PASS
Band4	1.4	19957	1	#Max	16QAM	23.15	-4.55	18.60	PASS
Band4	1.4	19957	3	#0	16QAM	22.33	-4.55	17.78	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.33	-4.55	17.78	PASS
Band4	1.4	19957	3	#Max	16QAM	22.28	-4.55	17.73	PASS
Band4	1.4	19957	6	#0	16QAM	21.17	-4.55	16.62	PASS
Band4	1.4	20175	1	#0	QPSK	22.69	-4.55	18.14	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.63	-4.55	18.08	PASS
Band4	1.4	20175	1	#Max	QPSK	22.60	-4.55	18.05	PASS
Band4	1.4	20175	3	#0	QPSK	22.77	-4.55	18.22	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.82	-4.55	18.27	PASS
Band4	1.4	20175	3	#Max	QPSK	22.72	-4.55	18.17	PASS
Band4	1.4	20175	6	#0	QPSK	21.67	-4.55	17.12	PASS
Band4	1.4	20175	1	#0	16QAM	22.21	-4.55	17.66	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.13	-4.55	17.58	PASS
Band4	1.4	20175	1	#Max	16QAM	22.19	-4.55	17.64	PASS
Band4	1.4	20175	3	#0	16QAM	21.92	-4.55	17.37	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.89	-4.55	17.34	PASS
Band4	1.4	20175	3	#Max	16QAM	21.91	-4.55	17.36	PASS
Band4	1.4	20175	6	#0	16QAM	20.78	-4.55	16.23	PASS
Band4	1.4	20393	1	#0	QPSK	22.47	-4.55	17.92	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.43	-4.55	17.88	PASS
Band4	1.4	20393	1	#Max	QPSK	22.46	-4.55	17.91	PASS
Band4	1.4	20393	3	#0	QPSK	22.31	-4.55	17.76	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.37	-4.55	17.82	PASS
Band4	1.4	20393	3	#Max	QPSK	22.33	-4.55	17.78	PASS
Band4	1.4	20393	6	#0	QPSK	21.31	-4.55	16.76	PASS
Band4	1.4	20393	1	#0	16QAM	21.83	-4.55	17.28	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.75	-4.55	17.20	PASS
Band4	1.4	20393	1	#Max	16QAM	21.84	-4.55	17.29	PASS

Band4	1.4	20393	3	#0	16QAM	21.76	-4.55	17.21	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.66	-4.55	17.11	PASS
Band4	1.4	20393	3	#Max	16QAM	21.62	-4.55	17.07	PASS
Band4	1.4	20393	6	#0	16QAM	20.51	-4.55	15.96	PASS
Band4	3	19965	1	#0	QPSK	22.91	-4.55	18.36	PASS
Band4	3	19965	1	#Mid	QPSK	22.93	-4.55	18.38	PASS
Band4	3	19965	1	#Max	QPSK	22.96	-4.55	18.41	PASS
Band4	3	19965	8	#0	QPSK	21.98	-4.55	17.43	PASS
Band4	3	19965	8	#Mid	QPSK	22.06	-4.55	17.51	PASS
Band4	3	19965	8	#Max	QPSK	22.08	-4.55	17.53	PASS
Band4	3	19965	15	#0	QPSK	22.02	-4.55	17.47	PASS
Band4	3	19965	1	#0	16QAM	23.18	-4.55	18.63	PASS
Band4	3	19965	1	#Mid	16QAM	23.18	-4.55	18.63	PASS
Band4	3	19965	1	#Max	16QAM	23.13	-4.55	18.58	PASS
Band4	3	19965	8	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	3	19965	8	#Mid	16QAM	21.01	-4.55	16.46	PASS
Band4	3	19965	8	#Max	16QAM	21.03	-4.55	16.48	PASS
Band4	3	19965	15	#0	16QAM	21.22	-4.55	16.67	PASS
Band4	3	20175	1	#0	QPSK	22.62	-4.55	18.07	PASS
Band4	3	20175	1	#Mid	QPSK	22.61	-4.55	18.06	PASS
Band4	3	20175	1	#Max	QPSK	22.60	-4.55	18.05	PASS
Band4	3	20175	8	#0	QPSK	21.77	-4.55	17.22	PASS
Band4	3	20175	8	#Mid	QPSK	21.58	-4.55	17.03	PASS
Band4	3	20175	8	#Max	QPSK	21.72	-4.55	17.17	PASS
Band4	3	20175	15	#0	QPSK	21.66	-4.55	17.11	PASS
Band4	3	20175	1	#0	16QAM	22.19	-4.55	17.64	PASS
Band4	3	20175	1	#Mid	16QAM	22.15	-4.55	17.60	PASS
Band4	3	20175	1	#Max	16QAM	22.11	-4.55	17.56	PASS
Band4	3	20175	8	#0	16QAM	21.01	-4.55	16.46	PASS
Band4	3	20175	8	#Mid	16QAM	21.05	-4.55	16.50	PASS
Band4	3	20175	8	#Max	16QAM	20.97	-4.55	16.42	PASS
Band4	3	20175	15	#0	16QAM	20.85	-4.55	16.30	PASS
Band4	3	20385	1	#0	QPSK	22.43	-4.55	17.88	PASS
Band4	3	20385	1	#Mid	QPSK	22.48	-4.55	17.93	PASS
Band4	3	20385	1	#Max	QPSK	22.50	-4.55	17.95	PASS
Band4	3	20385	8	#0	QPSK	21.31	-4.55	16.76	PASS
Band4	3	20385	8	#Mid	QPSK	21.28	-4.55	16.73	PASS
Band4	3	20385	8	#Max	QPSK	21.28	-4.55	16.73	PASS
Band4	3	20385	15	#0	QPSK	21.37	-4.55	16.82	PASS
Band4	3	20385	1	#0	16QAM	21.76	-4.55	17.21	PASS
Band4	3	20385	1	#Mid	16QAM	21.85	-4.55	17.30	PASS
Band4	3	20385	1	#Max	16QAM	21.74	-4.55	17.19	PASS
Band4	3	20385	8	#0	16QAM	20.45	-4.55	15.90	PASS

Band4	3	20385	8	#Mid	16QAM	20.50	-4.55	15.95	PASS
Band4	3	20385	8	#Max	16QAM	20.49	-4.55	15.94	PASS
Band4	3	20385	15	#0	16QAM	20.41	-4.55	15.86	PASS
Band4	5	19975	1	#0	QPSK	22.83	-4.55	18.28	PASS
Band4	5	19975	1	#Mid	QPSK	22.89	-4.55	18.34	PASS
Band4	5	19975	1	#Max	QPSK	22.96	-4.55	18.41	PASS
Band4	5	19975	12	#0	QPSK	22.03	-4.55	17.48	PASS
Band4	5	19975	12	#Mid	QPSK	21.95	-4.55	17.40	PASS
Band4	5	19975	12	#Max	QPSK	21.98	-4.55	17.43	PASS
Band4	5	19975	25	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	5	19975	1	#0	16QAM	22.37	-4.55	17.82	PASS
Band4	5	19975	1	#Mid	16QAM	22.37	-4.55	17.82	PASS
Band4	5	19975	1	#Max	16QAM	22.40	-4.55	17.85	PASS
Band4	5	19975	12	#0	16QAM	21.07	-4.55	16.52	PASS
Band4	5	19975	12	#Mid	16QAM	20.98	-4.55	16.43	PASS
Band4	5	19975	12	#Max	16QAM	21.08	-4.55	16.53	PASS
Band4	5	19975	25	#0	16QAM	21.17	-4.55	16.62	PASS
Band4	5	20175	1	#0	QPSK	22.85	-4.55	18.30	PASS
Band4	5	20175	1	#Mid	QPSK	22.78	-4.55	18.23	PASS
Band4	5	20175	1	#Max	QPSK	22.72	-4.55	18.17	PASS
Band4	5	20175	12	#0	QPSK	21.80	-4.55	17.25	PASS
Band4	5	20175	12	#Mid	QPSK	21.59	-4.55	17.04	PASS
Band4	5	20175	12	#Max	QPSK	21.71	-4.55	17.16	PASS
Band4	5	20175	25	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	5	20175	1	#0	16QAM	21.53	-4.55	16.98	PASS
Band4	5	20175	1	#Mid	16QAM	21.44	-4.55	16.89	PASS
Band4	5	20175	1	#Max	16QAM	21.39	-4.55	16.84	PASS
Band4	5	20175	12	#0	16QAM	20.67	-4.55	16.12	PASS
Band4	5	20175	12	#Mid	16QAM	20.65	-4.55	16.10	PASS
Band4	5	20175	12	#Max	16QAM	20.67	-4.55	16.12	PASS
Band4	5	20175	25	#0	16QAM	20.84	-4.55	16.29	PASS
Band4	5	20375	1	#0	QPSK	22.14	-4.55	17.59	PASS
Band4	5	20375	1	#Mid	QPSK	22.08	-4.55	17.53	PASS
Band4	5	20375	1	#Max	QPSK	22.10	-4.55	17.55	PASS
Band4	5	20375	12	#0	QPSK	21.36	-4.55	16.81	PASS
Band4	5	20375	12	#Mid	QPSK	21.33	-4.55	16.78	PASS
Band4	5	20375	12	#Max	QPSK	21.29	-4.55	16.74	PASS
Band4	5	20375	25	#0	QPSK	21.33	-4.55	16.78	PASS
Band4	5	20375	1	#0	16QAM	21.58	-4.55	17.03	PASS
Band4	5	20375	1	#Mid	16QAM	21.54	-4.55	16.99	PASS
Band4	5	20375	1	#Max	16QAM	21.55	-4.55	17.00	PASS
Band4	5	20375	12	#0	16QAM	20.46	-4.55	15.91	PASS
Band4	5	20375	12	#Mid	16QAM	20.49	-4.55	15.94	PASS

Band4	5	20375	12	#Max	16QAM	20.44	-4.55	15.89	PASS
Band4	5	20375	25	#0	16QAM	20.43	-4.55	15.88	PASS
Band4	10	20000	1	#0	QPSK	22.94	-4.55	18.39	PASS
Band4	10	20000	1	#Mid	QPSK	22.90	-4.55	18.35	PASS
Band4	10	20000	1	#Max	QPSK	22.95	-4.55	18.40	PASS
Band4	10	20000	25	#0	QPSK	21.93	-4.55	17.38	PASS
Band4	10	20000	25	#Mid	QPSK	22.03	-4.55	17.48	PASS
Band4	10	20000	25	#Max	QPSK	22.01	-4.55	17.46	PASS
Band4	10	20000	50	#0	QPSK	22.06	-4.55	17.51	PASS
Band4	10	20000	1	#0	16QAM	23.13	-4.55	18.58	PASS
Band4	10	20000	1	#Mid	16QAM	23.14	-4.55	18.59	PASS
Band4	10	20000	1	#Max	16QAM	23.16	-4.55	18.61	PASS
Band4	10	20000	25	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	10	20000	25	#Mid	16QAM	21.03	-4.55	16.48	PASS
Band4	10	20000	25	#Max	16QAM	21.11	-4.55	16.56	PASS
Band4	10	20000	50	#0	16QAM	21.14	-4.55	16.59	PASS
Band4	10	20175	1	#0	QPSK	22.91	-4.55	18.36	PASS
Band4	10	20175	1	#Mid	QPSK	22.75	-4.55	18.20	PASS
Band4	10	20175	1	#Max	QPSK	22.59	-4.55	18.04	PASS
Band4	10	20175	25	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	10	20175	25	#Mid	QPSK	21.71	-4.55	17.16	PASS
Band4	10	20175	25	#Max	QPSK	21.68	-4.55	17.13	PASS
Band4	10	20175	50	#0	QPSK	21.69	-4.55	17.14	PASS
Band4	10	20175	1	#0	16QAM	22.04	-4.55	17.49	PASS
Band4	10	20175	1	#Mid	16QAM	21.89	-4.55	17.34	PASS
Band4	10	20175	1	#Max	16QAM	21.68	-4.55	17.13	PASS
Band4	10	20175	25	#0	16QAM	20.91	-4.55	16.36	PASS
Band4	10	20175	25	#Mid	16QAM	20.79	-4.55	16.24	PASS
Band4	10	20175	25	#Max	16QAM	20.77	-4.55	16.22	PASS
Band4	10	20175	50	#0	16QAM	20.89	-4.55	16.34	PASS
Band4	10	20350	1	#0	QPSK	22.34	-4.55	17.79	PASS
Band4	10	20350	1	#Mid	QPSK	22.32	-4.55	17.77	PASS
Band4	10	20350	1	#Max	QPSK	22.32	-4.55	17.77	PASS
Band4	10	20350	25	#0	QPSK	21.36	-4.55	16.81	PASS
Band4	10	20350	25	#Mid	QPSK	21.30	-4.55	16.75	PASS
Band4	10	20350	25	#Max	QPSK	21.37	-4.55	16.82	PASS
Band4	10	20350	50	#0	QPSK	21.29	-4.55	16.74	PASS
Band4	10	20350	1	#0	16QAM	21.22	-4.55	16.67	PASS
Band4	10	20350	1	#Mid	16QAM	21.20	-4.55	16.65	PASS
Band4	10	20350	1	#Max	16QAM	21.19	-4.55	16.64	PASS
Band4	10	20350	25	#0	16QAM	20.50	-4.55	15.95	PASS
Band4	10	20350	25	#Mid	16QAM	20.44	-4.55	15.89	PASS
Band4	10	20350	25	#Max	16QAM	20.45	-4.55	15.90	PASS

Band4	10	20350	50	#0	16QAM	20.42	-4.55	15.87	PASS
Band4	15	20025	1	#0	QPSK	22.97	-4.55	18.42	PASS
Band4	15	20025	1	#Mid	QPSK	22.96	-4.55	18.41	PASS
Band4	15	20025	1	#Max	QPSK	22.86	-4.55	18.31	PASS
Band4	15	20025	36	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	15	20025	36	#Mid	QPSK	21.91	-4.55	17.36	PASS
Band4	15	20025	36	#Max	QPSK	21.99	-4.55	17.44	PASS
Band4	15	20025	75	#0	QPSK	22.01	-4.55	17.46	PASS
Band4	15	20025	1	#0	16QAM	23.18	-4.55	18.63	PASS
Band4	15	20025	1	#Mid	16QAM	23.16	-4.55	18.61	PASS
Band4	15	20025	1	#Max	16QAM	23.06	-4.55	18.51	PASS
Band4	15	20025	36	#0	16QAM	21.15	-4.55	16.60	PASS
Band4	15	20025	36	#Mid	16QAM	21.16	-4.55	16.61	PASS
Band4	15	20025	36	#Max	16QAM	21.11	-4.55	16.56	PASS
Band4	15	20025	75	#0	16QAM	21.18	-4.55	16.63	PASS
Band4	15	20175	1	#0	QPSK	22.93	-4.55	18.38	PASS
Band4	15	20175	1	#Mid	QPSK	22.72	-4.55	18.17	PASS
Band4	15	20175	1	#Max	QPSK	22.49	-4.55	17.94	PASS
Band4	15	20175	36	#0	QPSK	21.75	-4.55	17.20	PASS
Band4	15	20175	36	#Mid	QPSK	21.62	-4.55	17.07	PASS
Band4	15	20175	36	#Max	QPSK	21.63	-4.55	17.08	PASS
Band4	15	20175	75	#0	QPSK	21.59	-4.55	17.04	PASS
Band4	15	20175	1	#0	16QAM	22.08	-4.55	17.53	PASS
Band4	15	20175	1	#Mid	16QAM	21.83	-4.55	17.28	PASS
Band4	15	20175	1	#Max	16QAM	21.61	-4.55	17.06	PASS
Band4	15	20175	36	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	15	20175	36	#Mid	16QAM	20.91	-4.55	16.36	PASS
Band4	15	20175	36	#Max	16QAM	20.82	-4.55	16.27	PASS
Band4	15	20175	75	#0	16QAM	20.83	-4.55	16.28	PASS
Band4	15	20325	1	#0	QPSK	22.48	-4.55	17.93	PASS
Band4	15	20325	1	#Mid	QPSK	22.35	-4.55	17.80	PASS
Band4	15	20325	1	#Max	QPSK	22.41	-4.55	17.86	PASS
Band4	15	20325	36	#0	QPSK	21.40	-4.55	16.85	PASS
Band4	15	20325	36	#Mid	QPSK	21.25	-4.55	16.70	PASS
Band4	15	20325	36	#Max	QPSK	21.35	-4.55	16.80	PASS
Band4	15	20325	75	#0	QPSK	21.37	-4.55	16.82	PASS
Band4	15	20325	1	#0	16QAM	21.50	-4.55	16.95	PASS
Band4	15	20325	1	#Mid	16QAM	21.45	-4.55	16.90	PASS
Band4	15	20325	1	#Max	16QAM	21.47	-4.55	16.92	PASS
Band4	15	20325	36	#0	16QAM	20.62	-4.55	16.07	PASS
Band4	15	20325	36	#Mid	16QAM	20.57	-4.55	16.02	PASS
Band4	15	20325	36	#Max	16QAM	20.57	-4.55	16.02	PASS
Band4	15	20325	75	#0	16QAM	20.48	-4.55	15.93	PASS

Band4	20	20050	1	#0	QPSK	22.95	-4.55	18.40	PASS
Band4	20	20050	1	#Mid	QPSK	23.01	-4.55	18.46	PASS
Band4	20	20050	1	#Max	QPSK	22.89	-4.55	18.34	PASS
Band4	20	20050	50	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	20	20050	50	#Mid	QPSK	21.90	-4.55	17.35	PASS
Band4	20	20050	50	#Max	QPSK	21.89	-4.55	17.34	PASS
Band4	20	20050	100	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	20	20050	1	#0	16QAM	22.42	-4.55	17.87	PASS
Band4	20	20050	1	#Mid	16QAM	22.40	-4.55	17.85	PASS
Band4	20	20050	1	#Max	16QAM	22.31	-4.55	17.76	PASS
Band4	20	20050	50	#0	16QAM	21.14	-4.55	16.59	PASS
Band4	20	20050	50	#Mid	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20050	50	#Max	16QAM	21.13	-4.55	16.58	PASS
Band4	20	20050	100	#0	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20175	1	#0	QPSK	23.13	-4.55	18.58	PASS
Band4	20	20175	1	#Mid	QPSK	22.82	-4.55	18.27	PASS
Band4	20	20175	1	#Max	QPSK	22.47	-4.55	17.92	PASS
Band4	20	20175	50	#0	QPSK	21.92	-4.55	17.37	PASS
Band4	20	20175	50	#Mid	QPSK	21.73	-4.55	17.18	PASS
Band4	20	20175	50	#Max	QPSK	21.52	-4.55	16.97	PASS
Band4	20	20175	100	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	20	20175	1	#0	16QAM	22.21	-4.55	17.66	PASS
Band4	20	20175	1	#Mid	16QAM	21.97	-4.55	17.42	PASS
Band4	20	20175	1	#Max	16QAM	21.67	-4.55	17.12	PASS
Band4	20	20175	50	#0	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20175	50	#Mid	16QAM	20.83	-4.55	16.28	PASS
Band4	20	20175	50	#Max	16QAM	20.76	-4.55	16.21	PASS
Band4	20	20175	100	#0	16QAM	20.78	-4.55	16.23	PASS
Band4	20	20300	1	#0	QPSK	22.58	-4.55	18.03	PASS
Band4	20	20300	1	#Mid	QPSK	22.31	-4.55	17.76	PASS
Band4	20	20300	1	#Max	QPSK	22.31	-4.55	17.76	PASS
Band4	20	20300	50	#0	QPSK	21.40	-4.55	16.85	PASS
Band4	20	20300	50	#Mid	QPSK	21.26	-4.55	16.71	PASS
Band4	20	20300	50	#Max	QPSK	21.34	-4.55	16.79	PASS
Band4	20	20300	100	#0	QPSK	21.27	-4.55	16.72	PASS
Band4	20	20300	1	#0	16QAM	22.20	-4.55	17.65	PASS
Band4	20	20300	1	#Mid	16QAM	21.97	-4.55	17.42	PASS
Band4	20	20300	1	#Max	16QAM	21.95	-4.55	17.40	PASS
Band4	20	20300	50	#0	16QAM	20.54	-4.55	15.99	PASS
Band4	20	20300	50	#Mid	16QAM	20.51	-4.55	15.96	PASS
Band4	20	20300	50	#Max	16QAM	20.49	-4.55	15.94	PASS
Band4	20	20300	100	#0	16QAM	20.46	-4.55	15.91	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	-9.47	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-11.03	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-12.87	-0.008	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-14.83	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-15.98	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-16.78	-0.010	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	22.52	0.013	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	21.84	0.013	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	21.40	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	21.34	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	21.16	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	20.61	0.012	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	-2.57	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-3.59	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-4.75	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.35	-0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	-6.01	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-6.97	-0.004	-2.5	2.5	PASS
Band	3	19965	15	#0	QPSK	LV	NT	-16.9	-0.01	-2.5	2.5	PASS

4								8	0			
Band 4	3	19965	15	#0	QPSK	NV	NT	-17.71	-0.010	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-17.17	-0.010	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-15.82	-0.009	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-12.45	-0.007	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-9.01	-0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	16.28	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	15.74	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	15.69	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	16.82	0.010	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	18.91	0.011	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	21.13	0.012	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	18.84	0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	23.72	0.014	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	26.58	0.015	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	1.75	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	0.17	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	5.46	0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-21.57	-0.013	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-18.25	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-14.45	-0.008	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	-9.81	-0.006	-2.5	2.5	PASS

Band 4	5	19975	25	#0	16QAM	NV	NT	-4.69	-0.00 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	-0.76	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-33.3 2	-0.01 9	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	-0.77	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	3.16	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	6.61	0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	10.29	0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	1.67	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	4.66	0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	7.60	0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	10.10	0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	12.55	0.007	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	15.65	0.009	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-14.5 3	-0.00 8	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-9.53	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	-3.46	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	5.06	0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	12.92	0.008	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	18.44	0.011	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	16.22	0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	NT	20.13	0.012	-2.5	2.5	PASS

4												
Band 4	10	20175	50	#0	QPSK	HV	NT	24.32	0.014	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	LV	NT	28.51	0.016	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	32.19	0.019	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	34.30	0.020	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-13.75	-0.008	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	-13.59	-0.008	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-12.56	-0.007	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	-11.34	-0.006	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	-8.83	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	-7.30	-0.004	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-15.06	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-16.19	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-15.28	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	-12.59	-0.007	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	-11.00	-0.006	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	-7.04	-0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	-17.52	-0.010	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-14.12	-0.008	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-8.96	-0.005	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	-2.55	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	NT	3.42	0.002	-2.5	2.5	PASS

Band 4	15	20175	75	#0	16QAM	HV	NT	7.11	0.004	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-12.7 2	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	-12.2 7	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	-12.1 9	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	-9.77	-0.00 6	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	-8.51	-0.00 5	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	-7.42	-0.00 4	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	-14.6 2	-0.00 9	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	-11.90	-0.00 7	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-5.68	-0.00 3	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	0.46	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	7.47	0.004	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	13.65	0.008	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-9.63	-0.00 6	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-12.6 6	-0.00 7	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-9.67	-0.00 6	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-6.75	-0.00 4	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	-2.59	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	-0.37	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	-32.2 9	-0.01 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	-33.8 7	-0.01 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	HV	NT	-34.1	-0.02	-2.5	2.5	PASS

4								0	0			
Band 4	20	20300	100	#0	16QAM	LV	NT	-33.97	-0.019	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	-33.69	-0.019	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	HV	NT	-34.69	-0.020	-2.5	2.5	PASS

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	NV	-30	1.75	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	6.25	0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	9.26	0.005	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	13.50	0.008	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	18.75	0.011	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-30	23.06	0.013	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-20	28.17	0.016	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	0	31.04	0.018	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	10	36.78	0.021	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	20	2.27	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	1.14	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	4.48	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	6.02	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	8.74	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	11.20	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-30	12.93	0.007	-2.5	2.5	PASS

4												
Band 4	1.4	20175	6	#0	16QAM	NV	-20	14.63	0.008	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	0	15.66	0.009	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	10	18.04	0.010	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	20	19.88	0.011	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	-1.73	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-1.27	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-1.89	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-1.73	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-1.86	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-30	-1.23	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-20	-0.64	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	0	-1.95	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	10	-1.20	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	20	-0.84	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	-5.71	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	-8.54	-0.005	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	-9.78	-0.006	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	-12.1	-0.007	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	-12.8	-0.008	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-30	-13.6	-0.008	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-20	-14.6	-0.009	-2.5	2.5	PASS

Band 4	3	19965	15	#0	16QAM	NV	0	-15.0 5	-0.00 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	10	-15.0 6	-0.00 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	20	-15.5 5	-0.00 9	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-6.65	-0.00 4	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	-8.30	-0.00 5	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-8.65	-0.00 5	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	-9.86	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	-10.6 6	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-30	-11.12	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-20	-12.0 0	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	0	-12.6 5	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	10	-12.7 7	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	20	-14.0 6	-0.00 8	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	-18.5 8	-0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	-19.8 4	-0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	-22.0 6	-0.01 3	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	-24.2 5	-0.01 4	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	-26.1 6	-0.01 5	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-30	-26.9 4	-0.01 5	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-20	-27.8 2	-0.01 6	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	0	-27.4 1	-0.01 6	-2.5	2.5	PASS
Band	3	20385	15	#0	16QAM	NV	10	-29.0	-0.01	-2.5	2.5	PASS

4								1	7			
Band 4	3	20385	15	#0	16QAM	NV	20	-30.01	-0.017	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	-5.21	-0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	-8.27	-0.005	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	-11.50	-0.007	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	-14.42	-0.008	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	-15.75	-0.009	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-30	-18.21	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-20	-19.40	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	0	-20.93	-0.012	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	10	-22.04	-0.013	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	20	-22.44	-0.013	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	-6.67	-0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	-8.44	-0.005	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	-9.91	-0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	-10.59	-0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	-12.55	-0.007	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-30	-13.48	-0.008	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-20	3.18	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	0	0.63	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	10	-0.56	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	20	-2.23	-0.001	-2.5	2.5	PASS

Band 4	5	20375	25	#0	QPSK	NV	-30	2.12	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	1.30	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	0.47	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	-3.28	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-30	-3.52	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-20	-3.42	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	0	-4.36	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	10	-4.99	-0.00 3	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	20	-5.36	-0.00 3	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	1.95	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-2.79	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-5.08	-0.00 3	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-7.55	-0.00 4	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-9.58	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-30	-10.3 7	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-20	-12.0 0	-0.00 7	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	0	-12.8 5	-0.00 7	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	10	-13.6 3	-0.00 8	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	20	-14.0 6	-0.00 8	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	-8.28	-0.00 5	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	NV	-20	-9.68	-0.00	-2.5	2.5	PASS

4								6				
Band 4	10	20175	50	#0	QPSK	NV	0	-10.93	-0.006	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	-12.70	-0.007	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-13.09	-0.008	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-30	-14.96	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-20	-15.58	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	0	-15.68	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	10	-16.39	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	20	-17.81	-0.010	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	0.87	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	-0.79	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-2.95	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	-4.95	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	-6.90	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-30	-8.20	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-20	-9.03	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	0	-9.31	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	10	-9.61	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	20	-10.79	-0.006	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	-6.61	-0.004	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	-11.74	-0.007	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	0	-14.49	-0.008	-2.5	2.5	PASS

Band 4	15	20025	75	#0	QPSK	NV	10	-16.9 9	-0.01 0	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	-17.6 5	-0.01 0	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-30	-19.1 7	-0.011	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-20	-20.3 1	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	0	-20.5 1	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	10	-21.3 0	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	20	-22.0 0	-0.01 3	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	0.06	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	-1.46	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	-3.12	-0.00 2	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	-4.91	-0.00 3	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	20	-6.65	-0.00 4	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-30	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-20	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	0	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	10	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	20	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	-1.30	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	-7.44	-0.00 4	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	-10.6 6	-0.00 6	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	10	-12.2 6	-0.00 7	-2.5	2.5	PASS
Band	15	20325	75	#0	QPSK	NV	20	-14.5	-0.00	-2.5	2.5	PASS

4								2	8			
Band 4	15	20325	75	#0	16QAM	NV	-30	-5.95	-0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	-20	-12.55	-0.007	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	0	-15.72	-0.009	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	10	-18.88	-0.011	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	20	-20.60	-0.012	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-30	-10.91	-0.006	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-20	-15.34	-0.009	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	-19.64	-0.011	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	-22.70	-0.013	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	-23.79	-0.014	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-30	-25.96	-0.015	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-20	-27.25	-0.016	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	0	-27.48	-0.016	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	10	-28.82	-0.017	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	20	-30.51	-0.018	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-7.08	-0.004	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	-9.81	-0.006	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	0	-11.87	-0.007	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	-14.13	-0.008	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	-16.19	-0.009	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	-30	-17.44	-0.010	-2.5	2.5	PASS

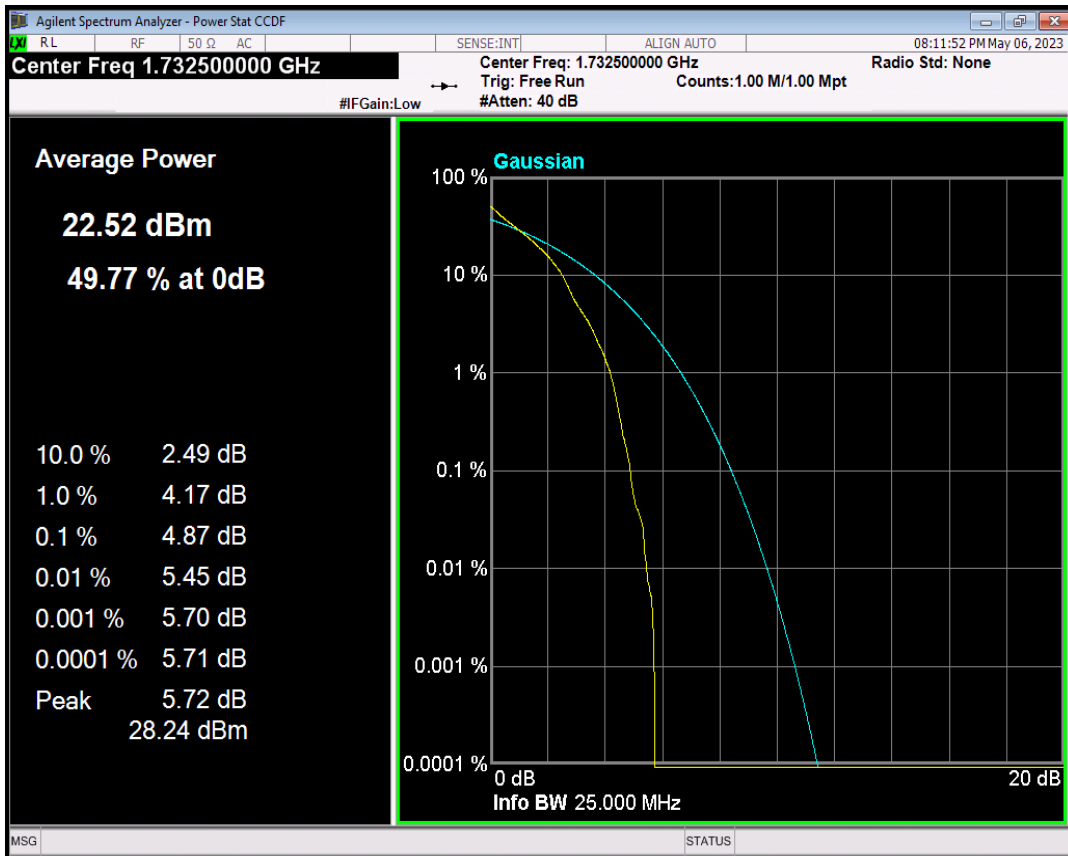
Band 4	20	20175	100	#0	16QAM	NV	-20	-17.7 0	-0.01 0	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	0	-18.4 2	-0.011	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	10	-18.9 7	-0.011	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	20	-20.8 4	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	-9.50	-0.00 5	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	-12.7 7	-0.00 7	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	-14.9 6	-0.00 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	10	-16.6 7	-0.01 0	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	-18.0 8	-0.01 0	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-30	-20.0 0	-0.011	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-20	-20.9 1	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	0	-21.6 2	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	10	-20.8 6	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	20	-21.6 7	-0.01 2	-2.5	2.5	PASS

Appendix 3. Peak-to-Average Ratio

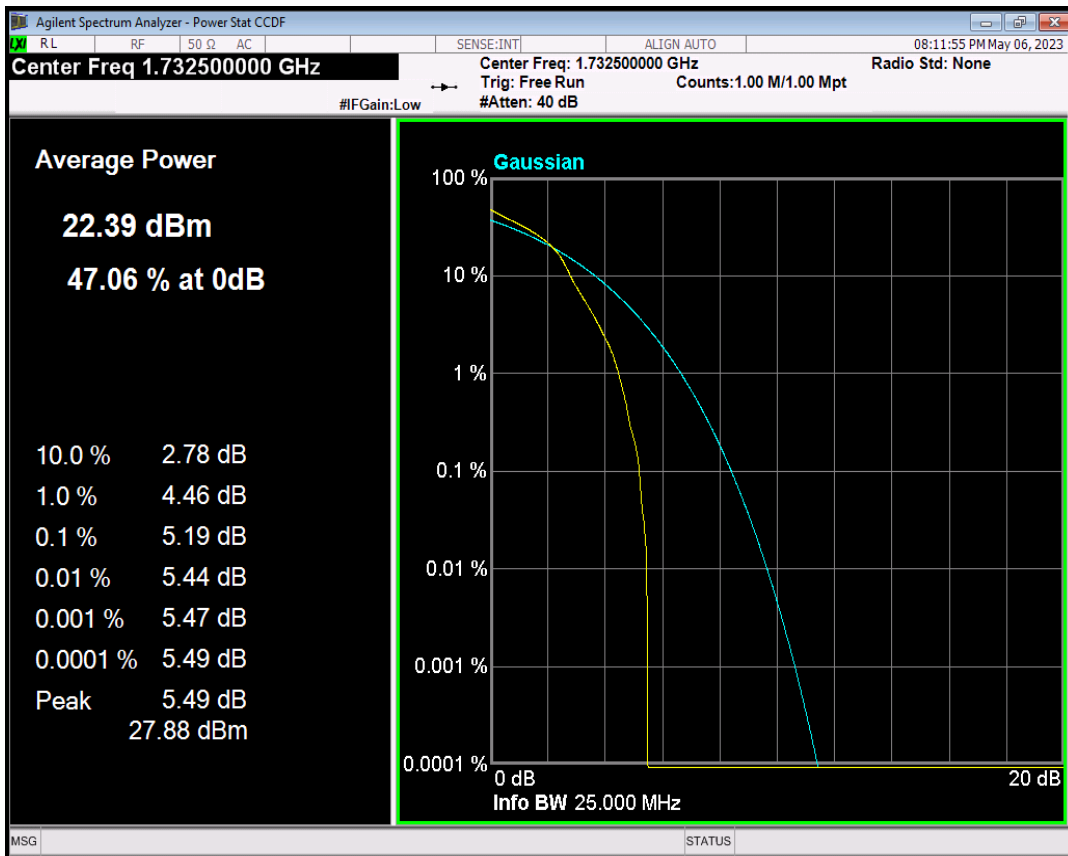
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.90	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.66	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.87	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.19	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.95	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.68	13	PASS
Band4	3	19965	1	#0	QPSK	4.91	13	PASS
Band4	3	19965	1	#0	16QAM	5.91	13	PASS
Band4	3	20175	1	#0	QPSK	4.82	13	PASS
Band4	3	20175	1	#0	16QAM	5.21	13	PASS

Band4	3	20385	1	#0	QPSK	3.98	13	PASS
Band4	3	20385	1	#0	16QAM	4.75	13	PASS
Band4	5	19975	1	#0	QPSK	5.21	13	PASS
Band4	5	19975	1	#0	16QAM	5.62	13	PASS
Band4	5	20175	1	#0	QPSK	4.58	13	PASS
Band4	5	20175	1	#0	16QAM	5.36	13	PASS
Band4	5	20375	1	#0	QPSK	4.47	13	PASS
Band4	5	20375	1	#0	16QAM	5.15	13	PASS
Band4	10	20000	1	#0	QPSK	4.91	13	PASS
Band4	10	20000	1	#0	16QAM	5.79	13	PASS
Band4	10	20175	1	#0	QPSK	4.66	13	PASS
Band4	10	20175	1	#0	16QAM	5.58	13	PASS
Band4	10	20350	1	#0	QPSK	4.83	13	PASS
Band4	10	20350	1	#0	16QAM	5.49	13	PASS
Band4	15	20025	1	#0	QPSK	4.89	13	PASS
Band4	15	20025	1	#0	16QAM	5.69	13	PASS
Band4	15	20175	1	#0	QPSK	4.46	13	PASS
Band4	15	20175	1	#0	16QAM	5.34	13	PASS
Band4	15	20325	1	#0	QPSK	4.97	13	PASS
Band4	15	20325	1	#0	16QAM	5.71	13	PASS
Band4	20	20050	1	#0	QPSK	4.66	13	PASS
Band4	20	20050	1	#0	16QAM	5.24	13	PASS
Band4	20	20175	1	#0	QPSK	4.03	13	PASS
Band4	20	20175	1	#0	16QAM	5.08	13	PASS
Band4	20	20300	1	#0	QPSK	4.79	13	PASS
Band4	20	20300	1	#0	16QAM	5.58	13	PASS

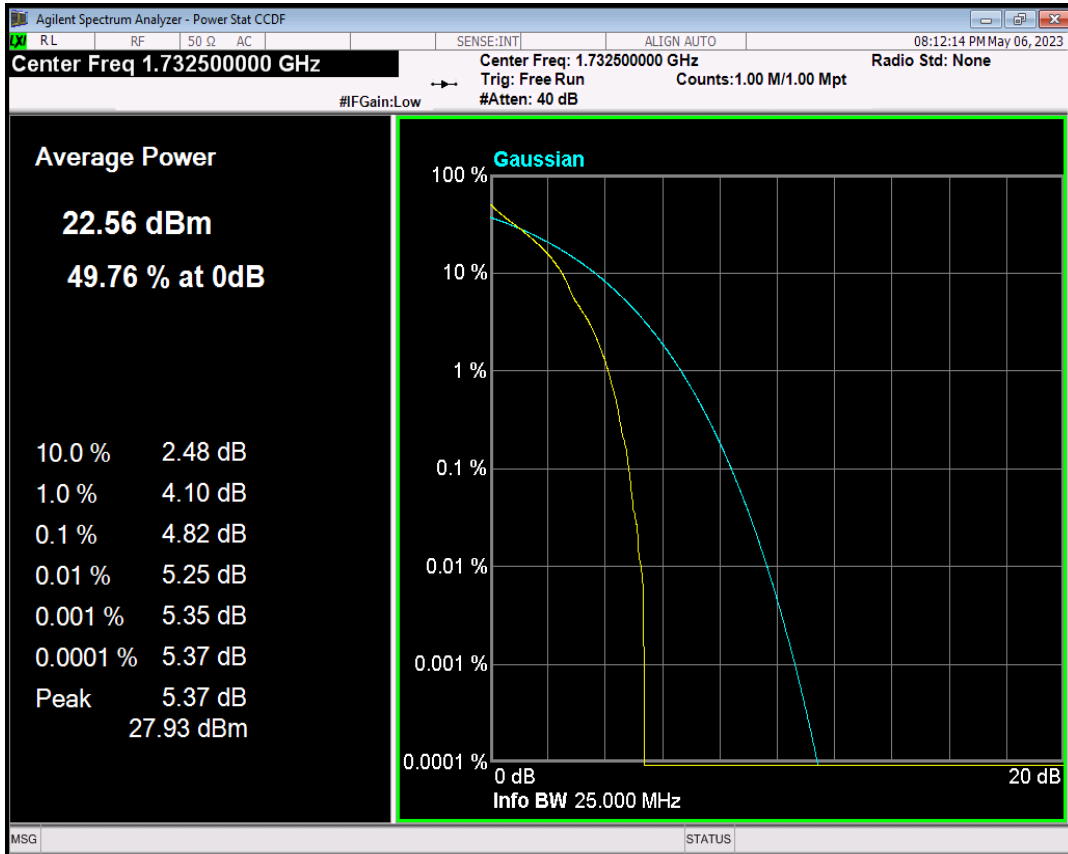
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



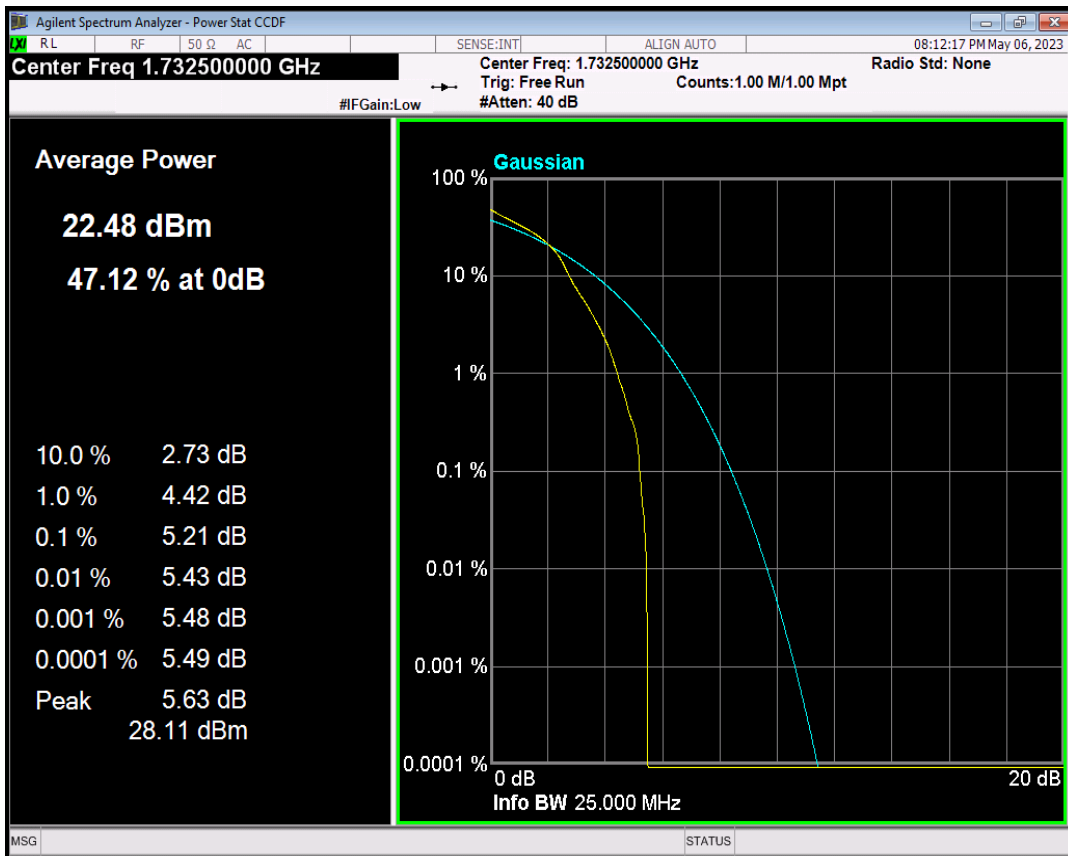
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



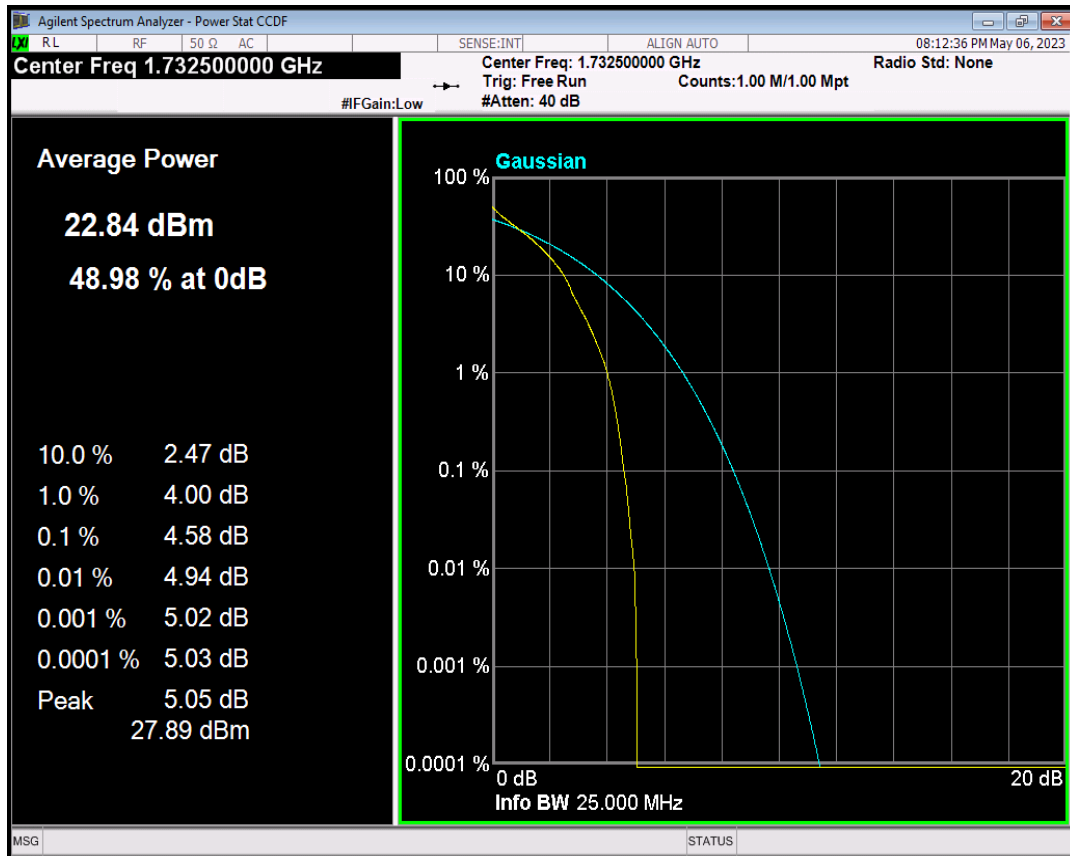
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



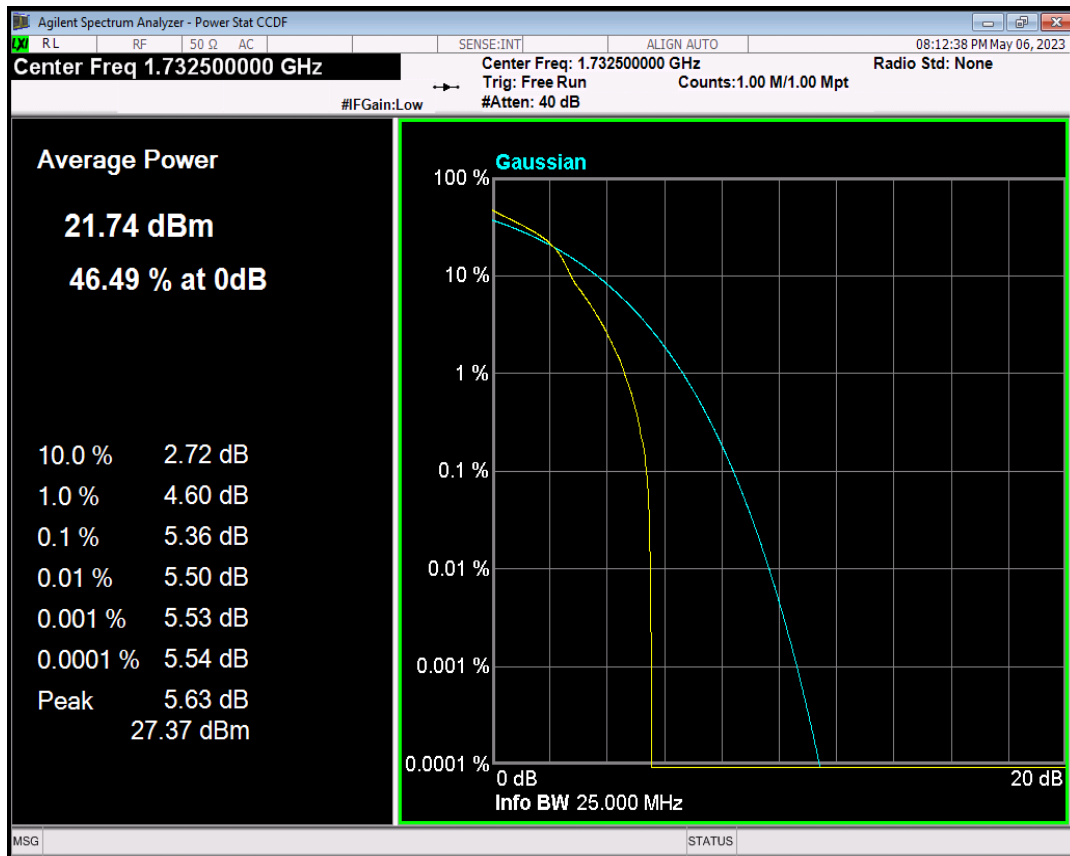
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



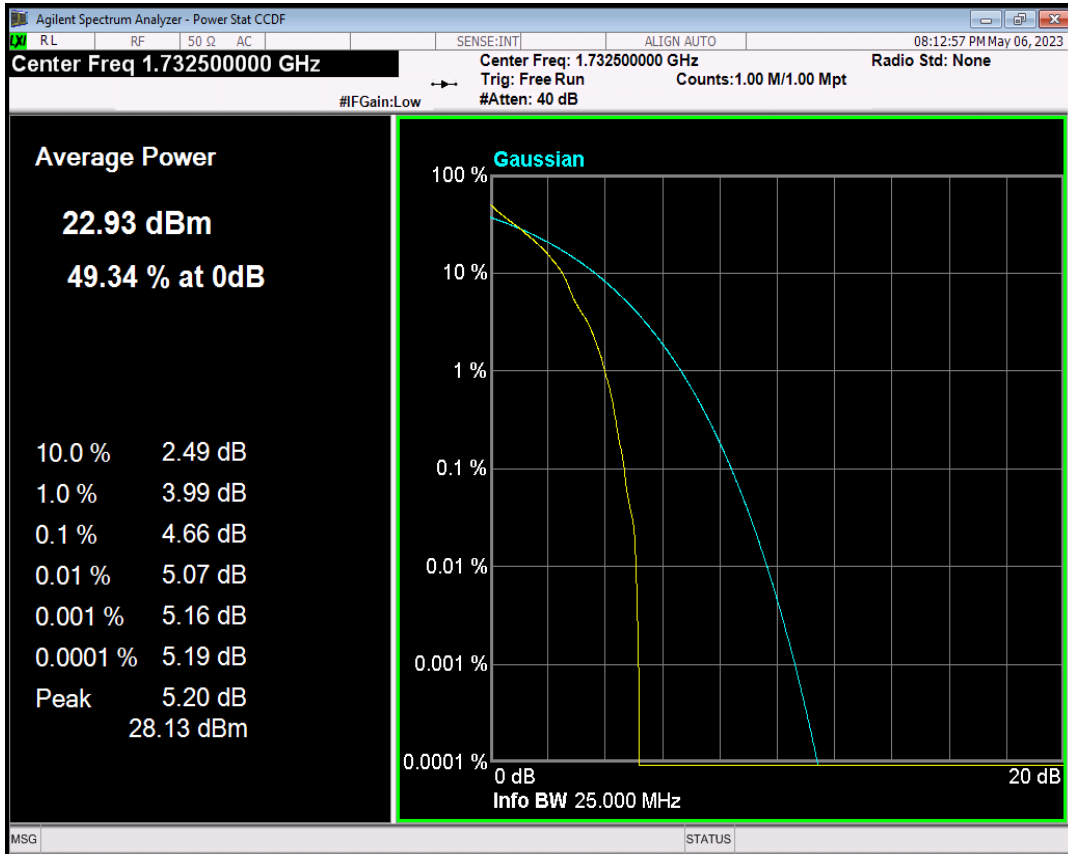
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



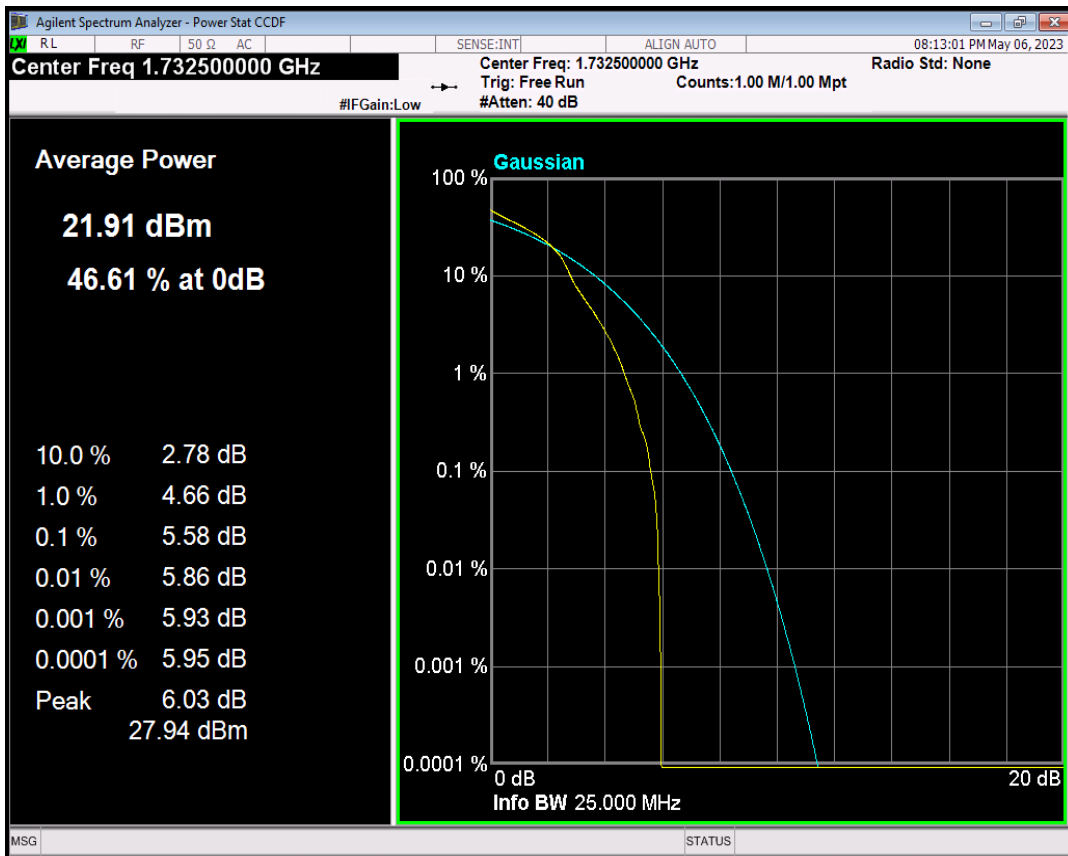
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



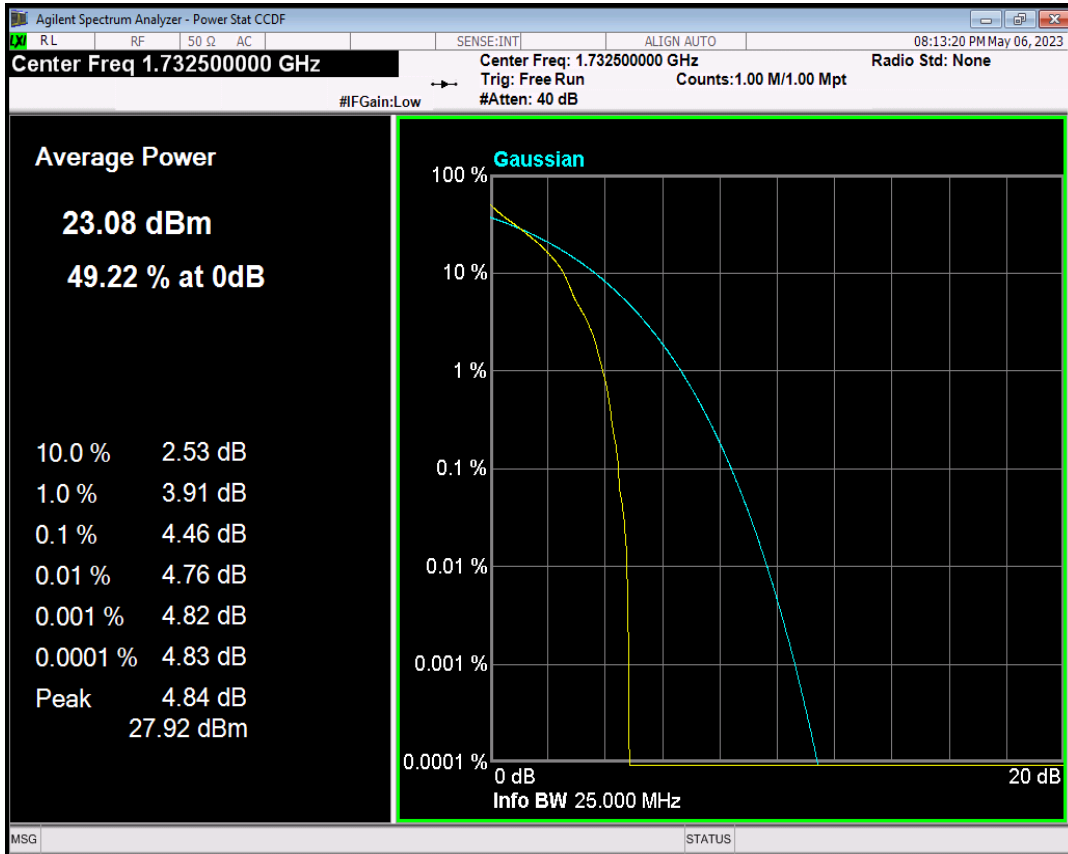
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



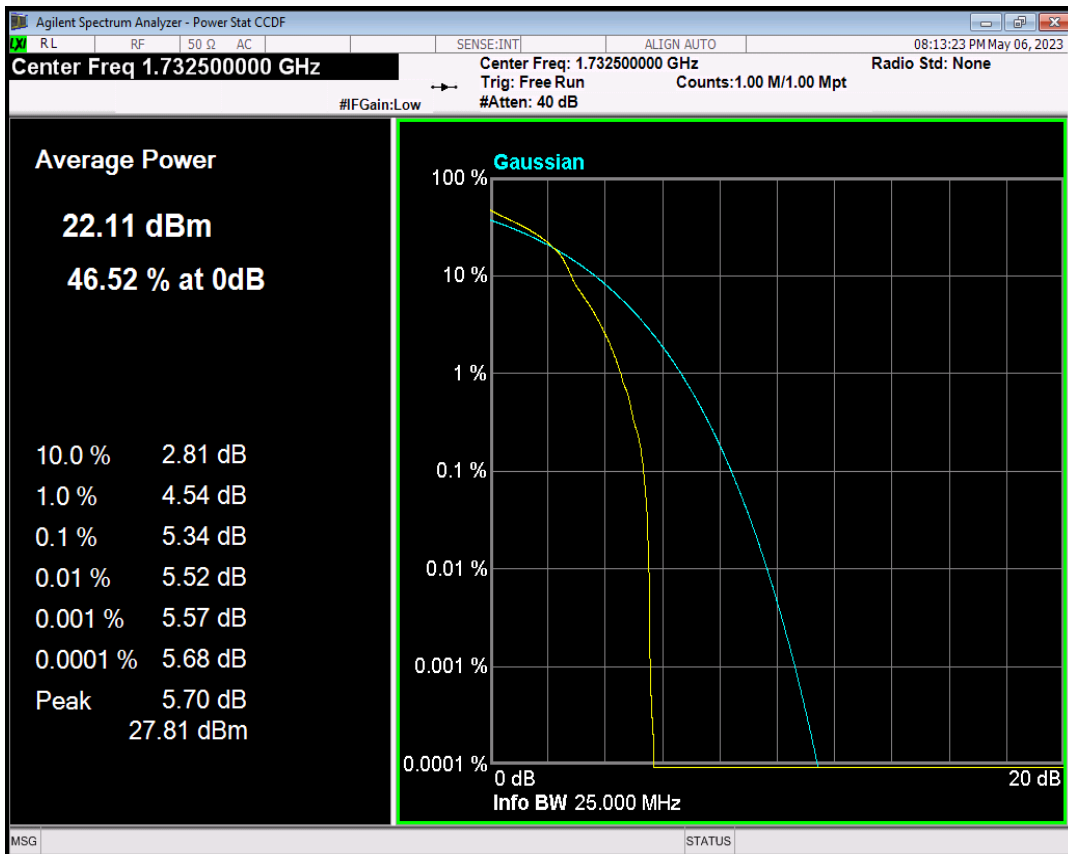
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



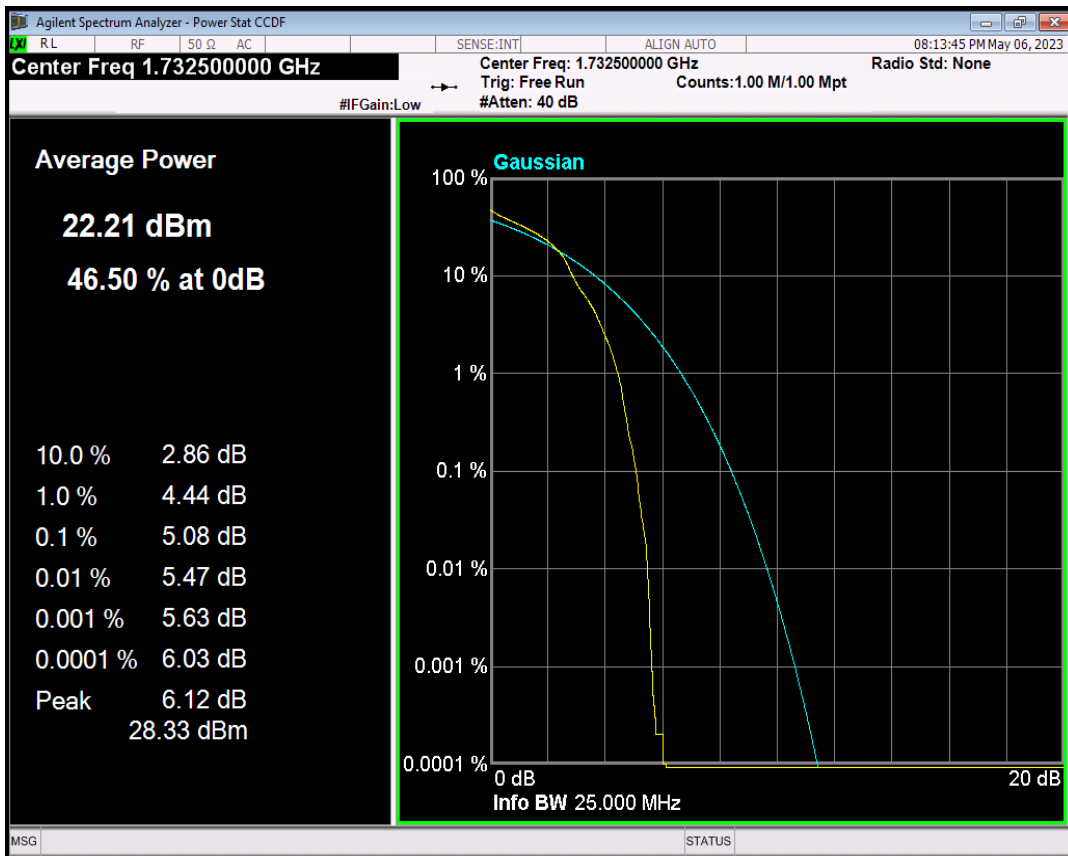
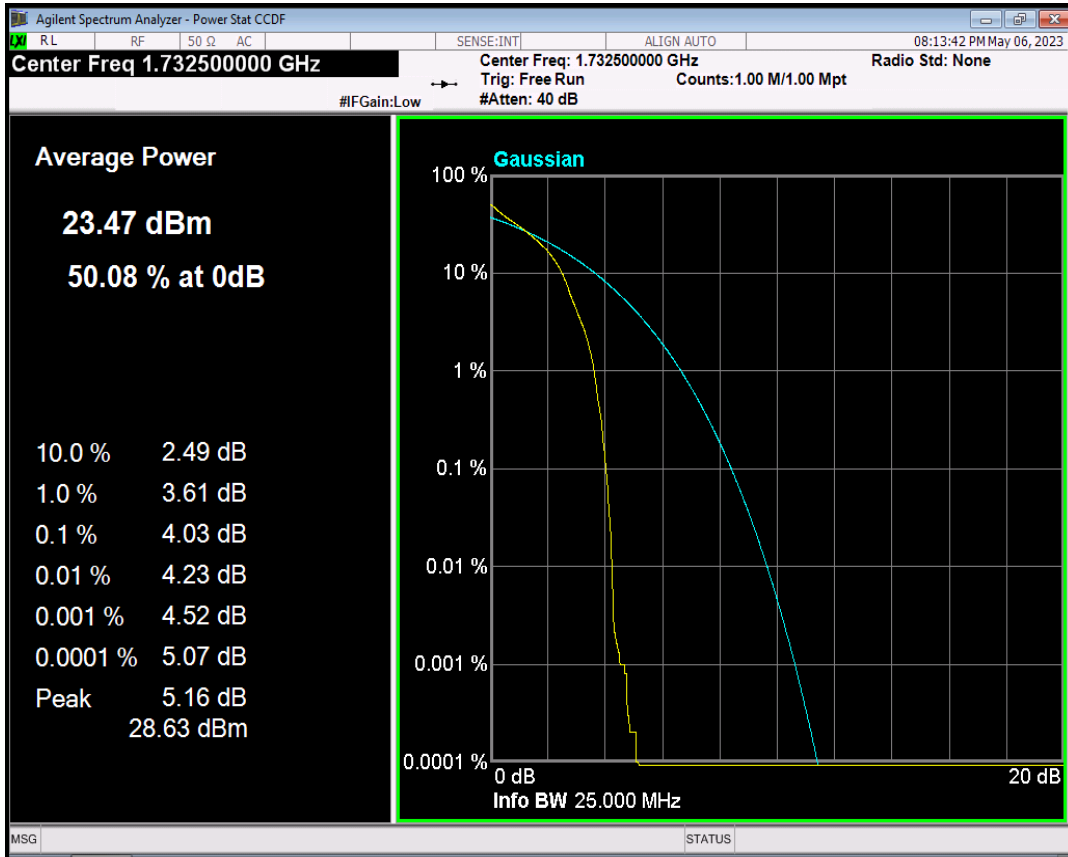
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

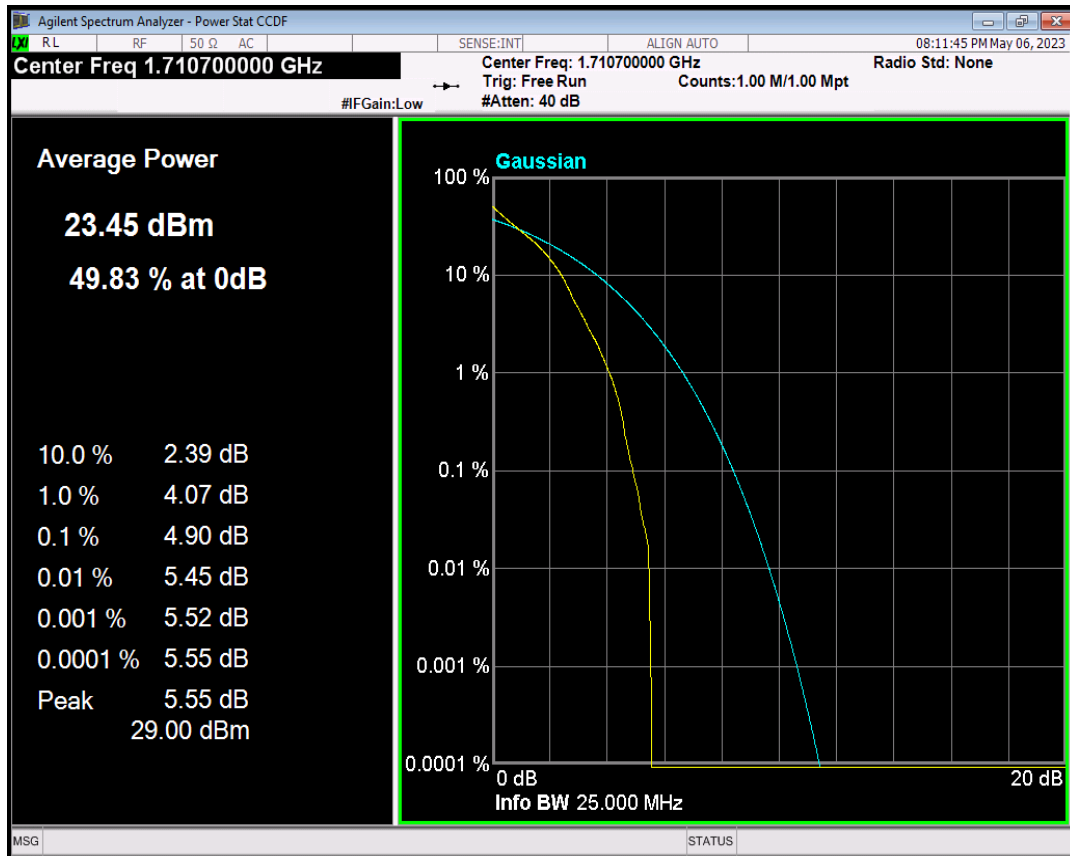


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0

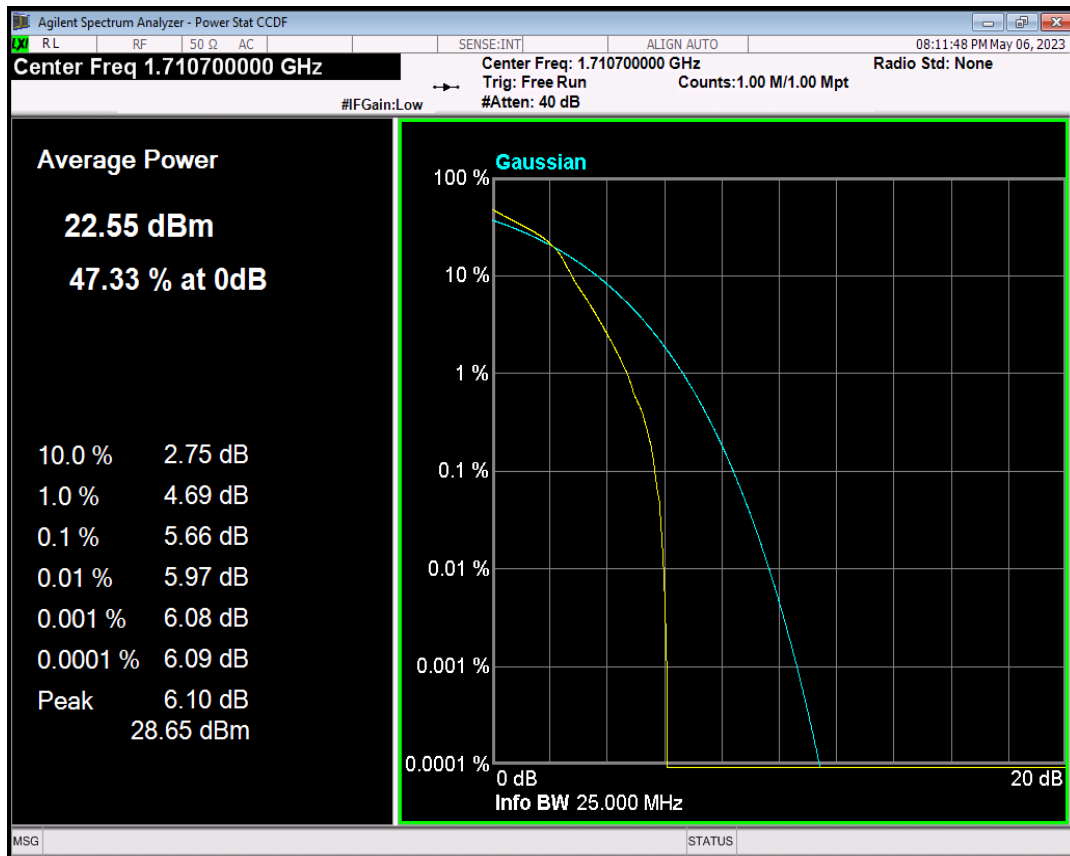


Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

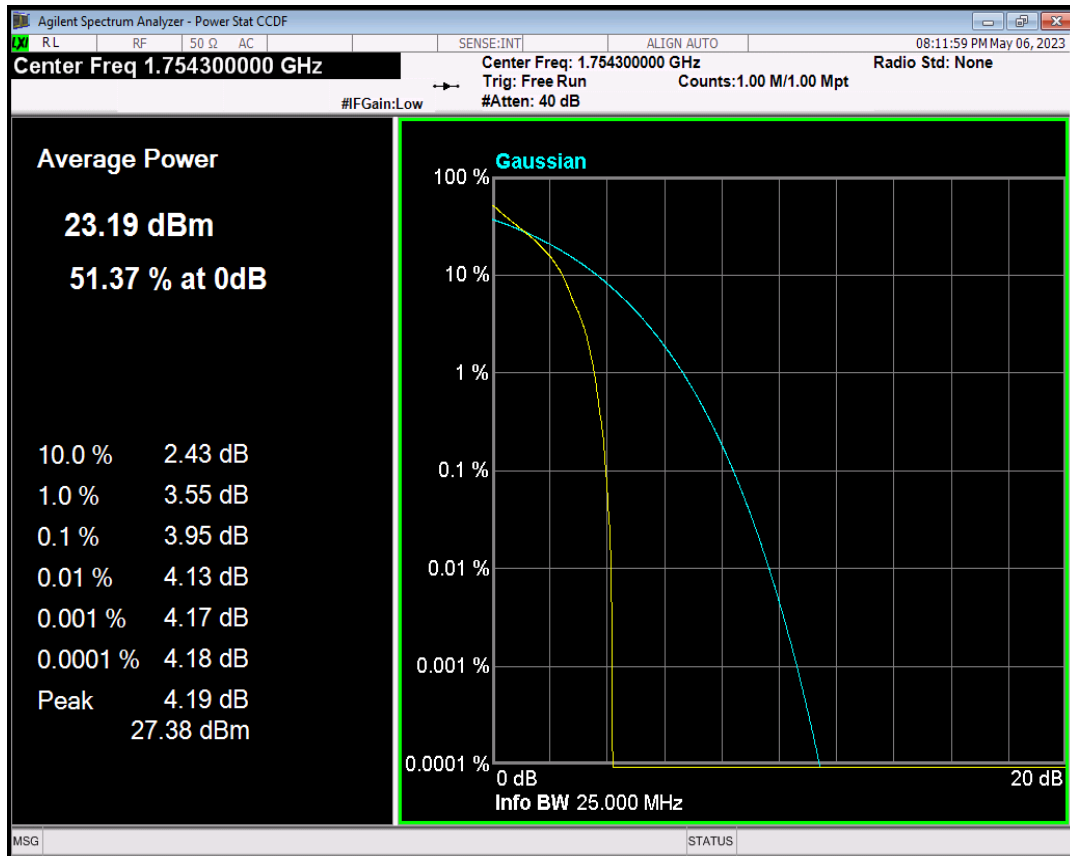




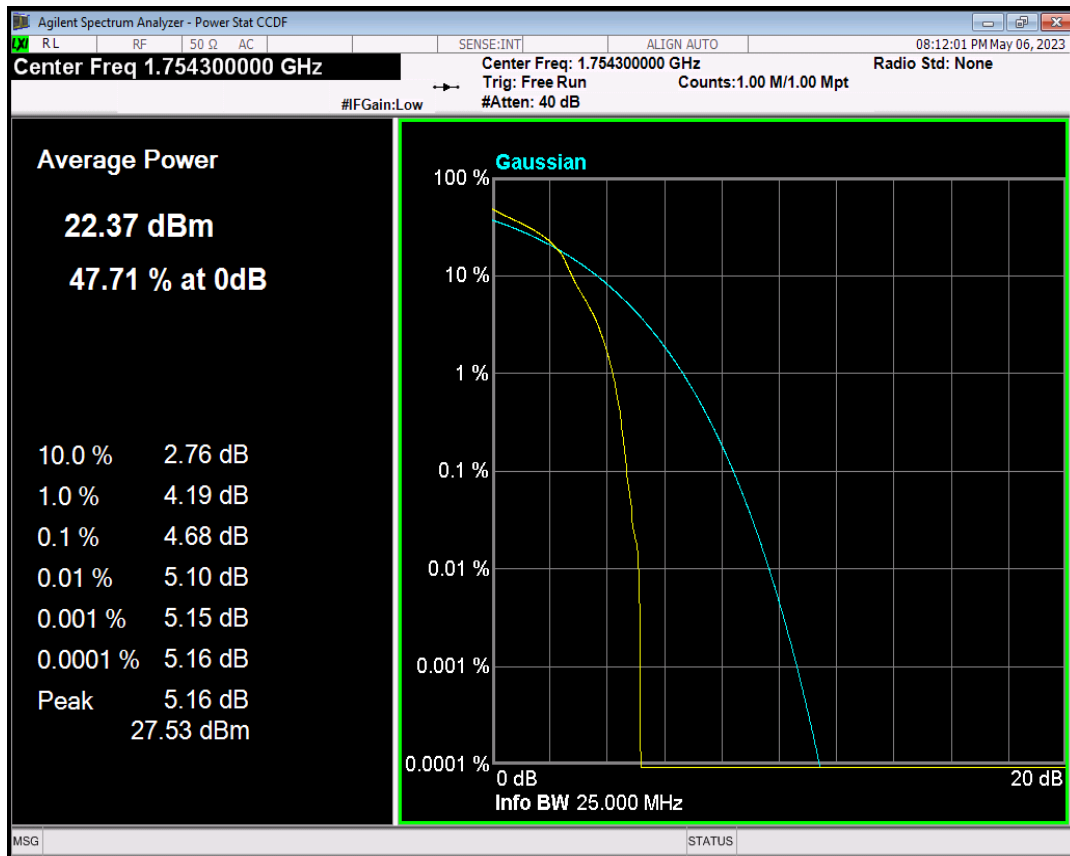
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



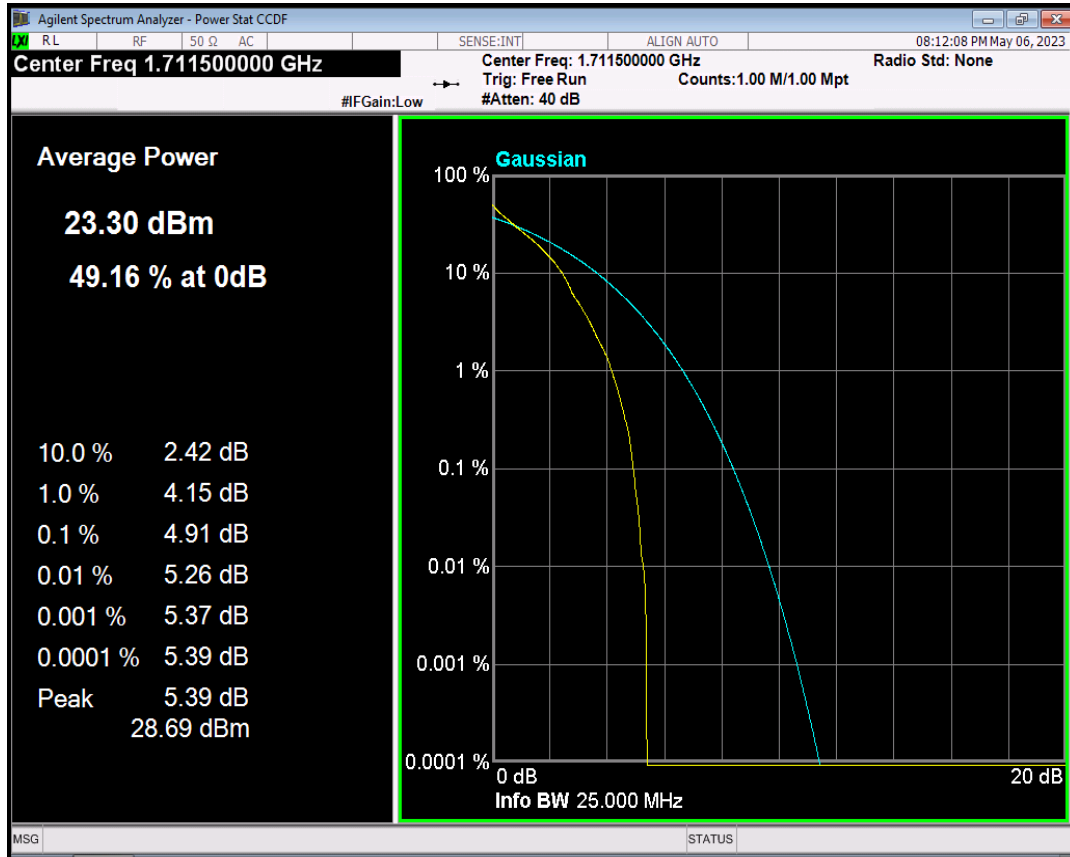
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



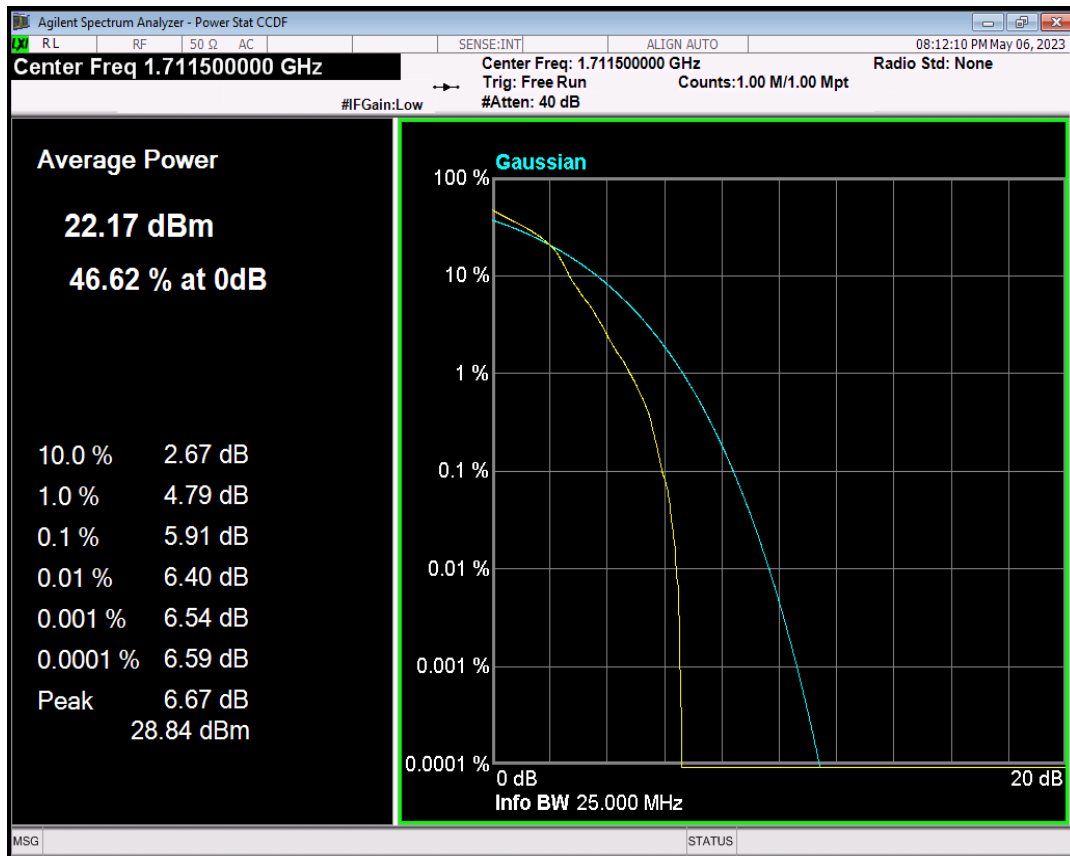
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



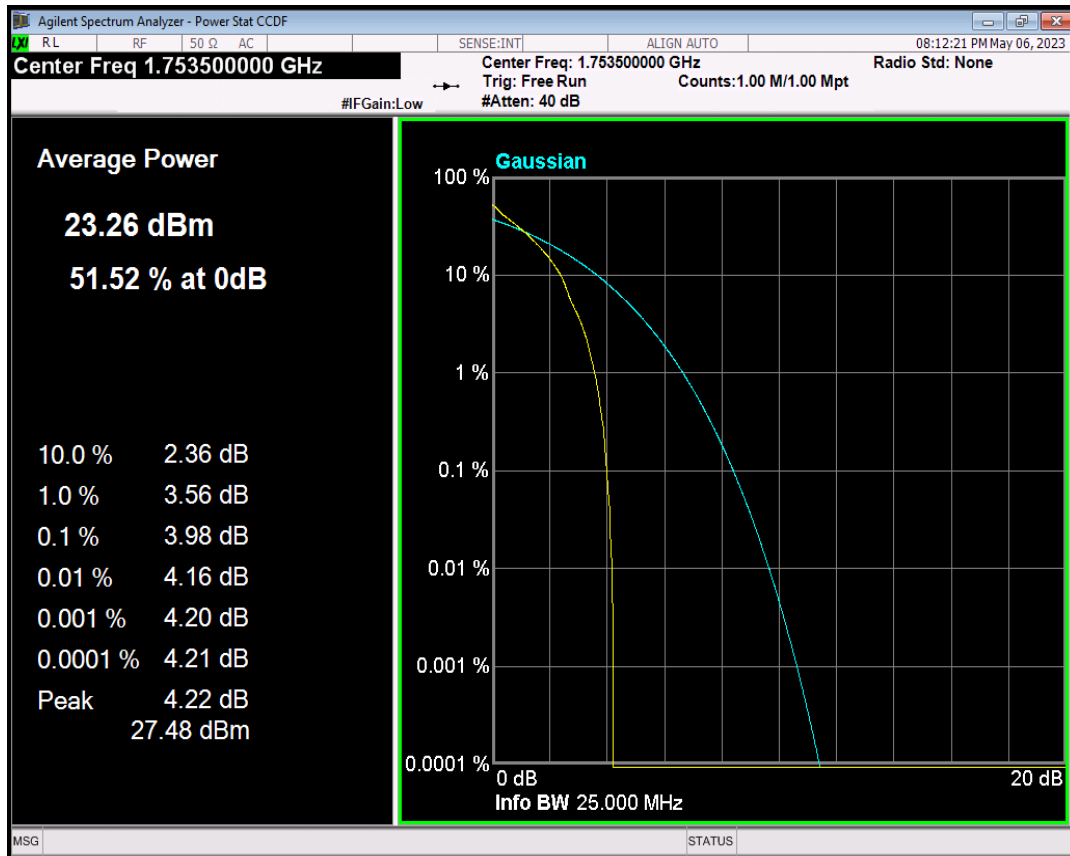
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



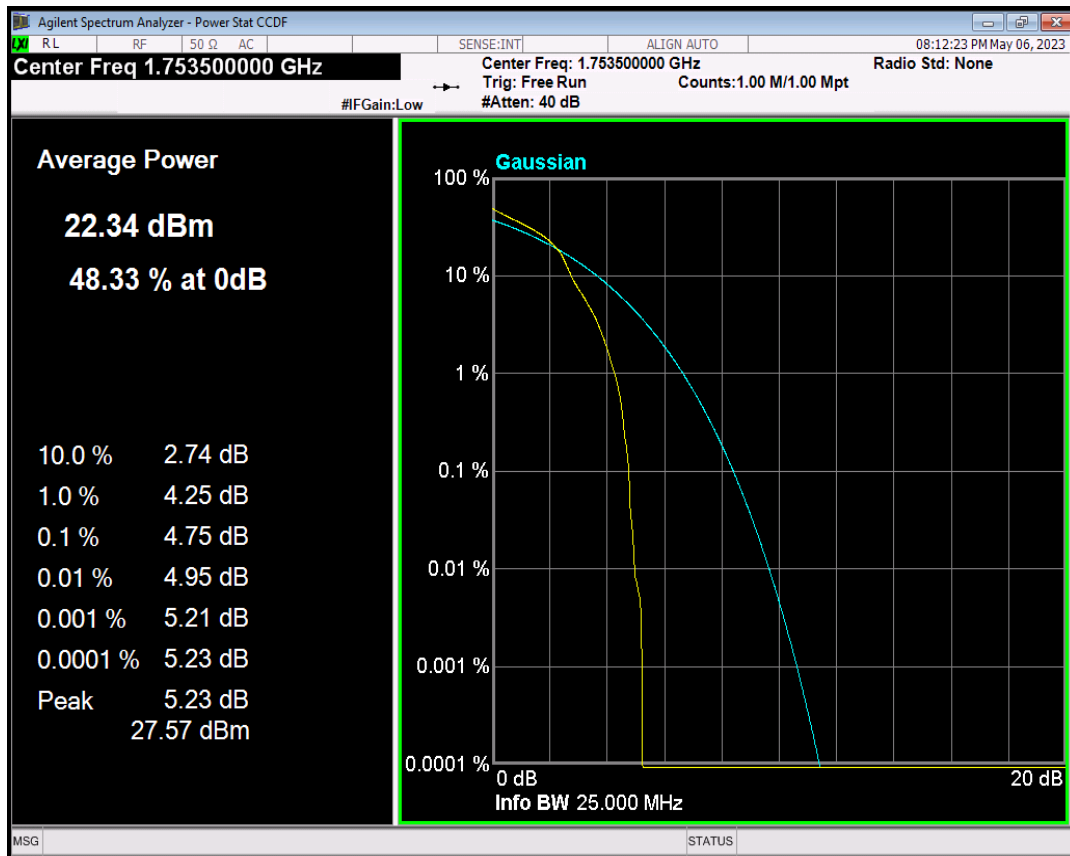
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



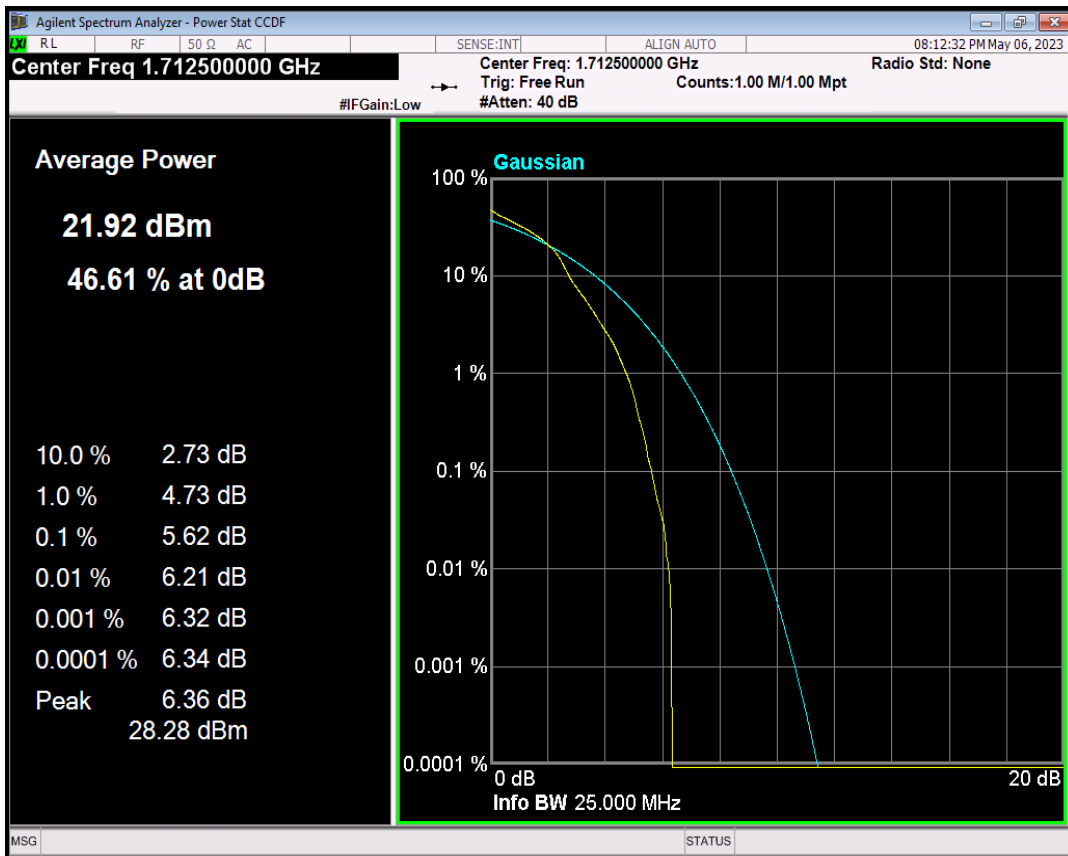
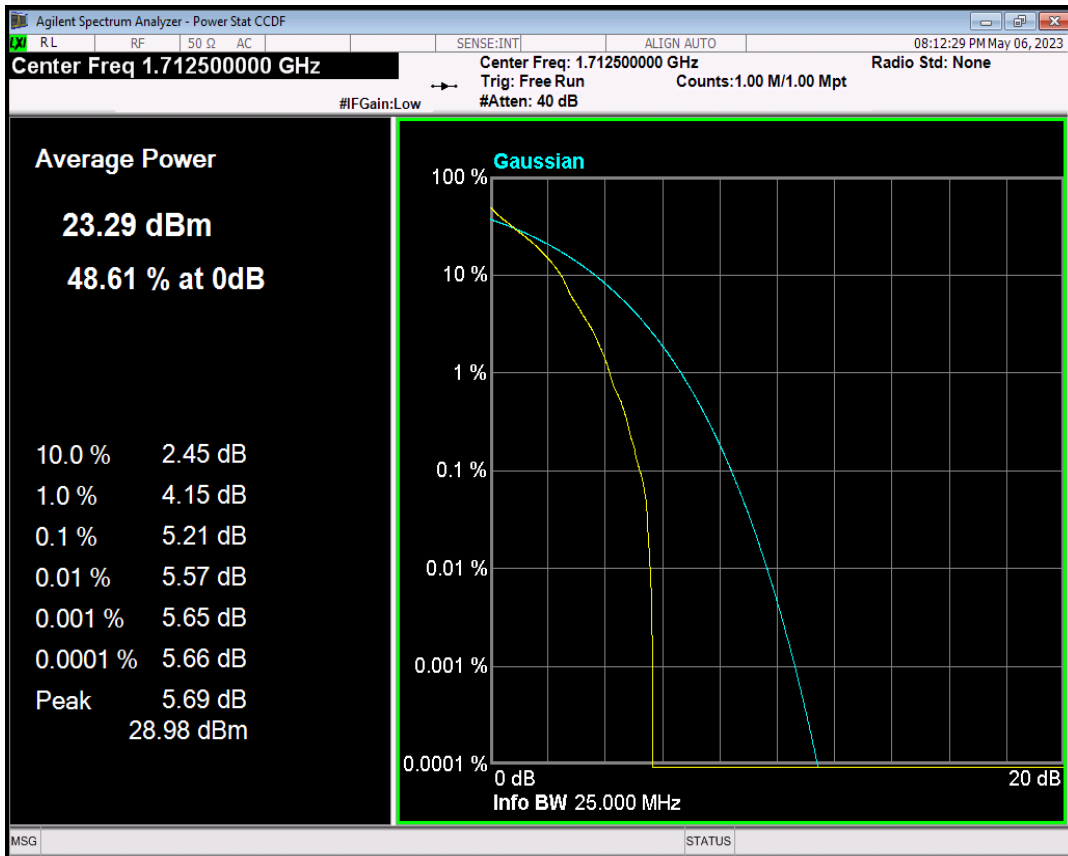
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

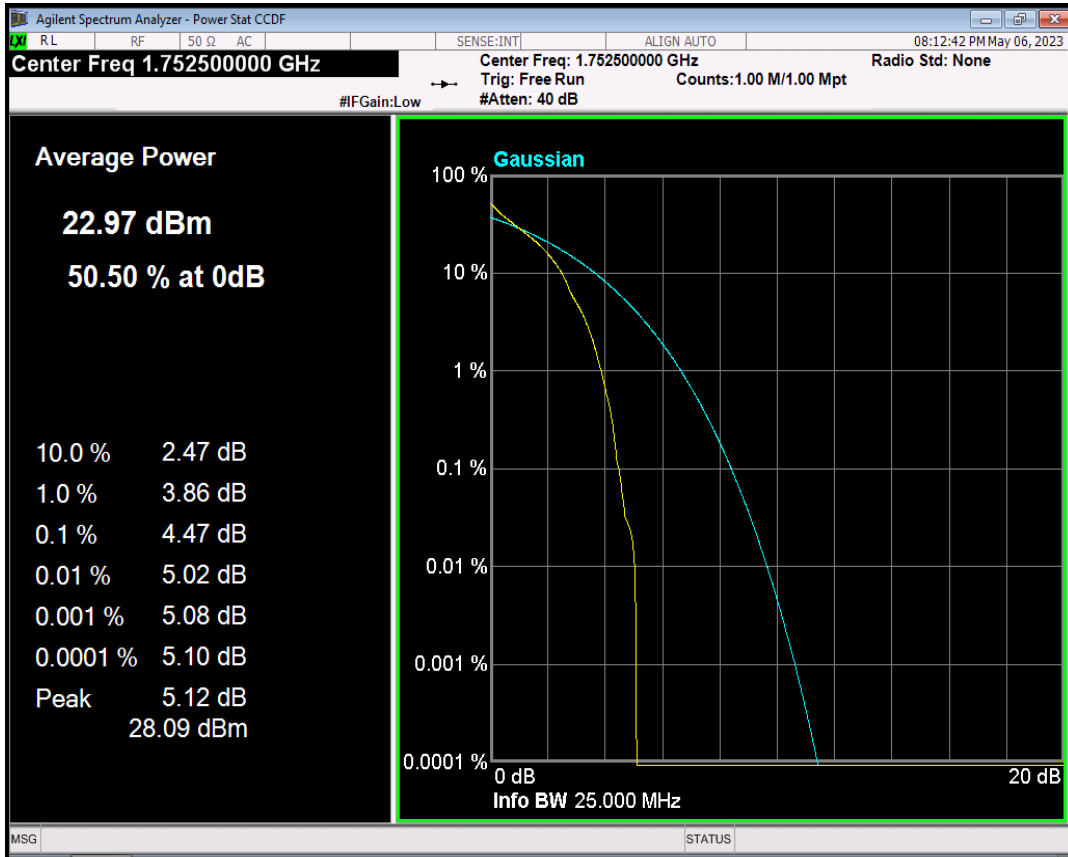


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

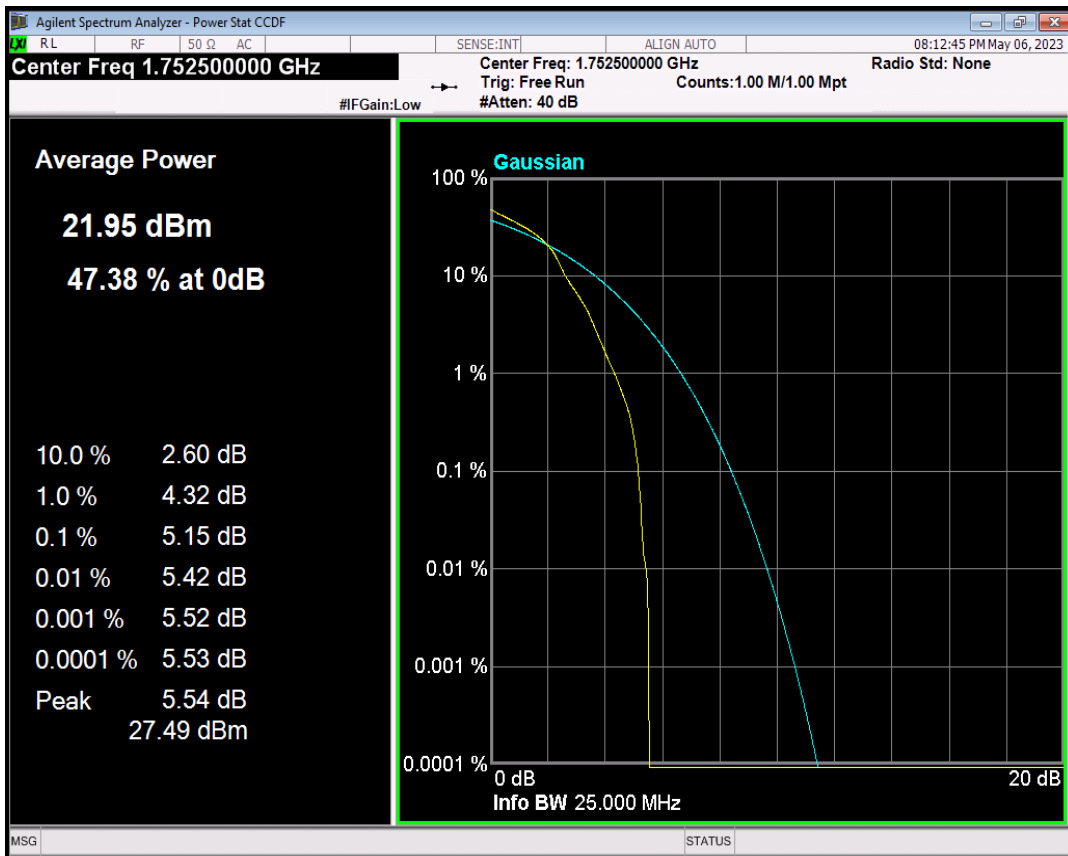


Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

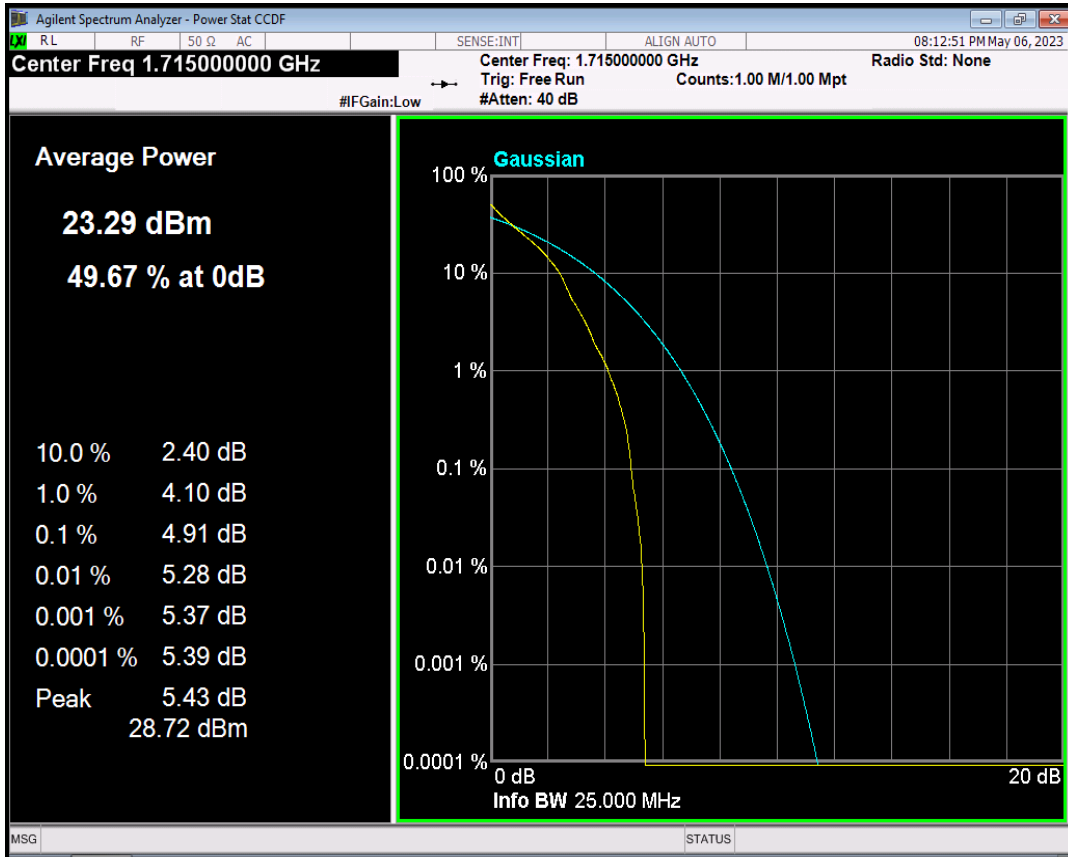




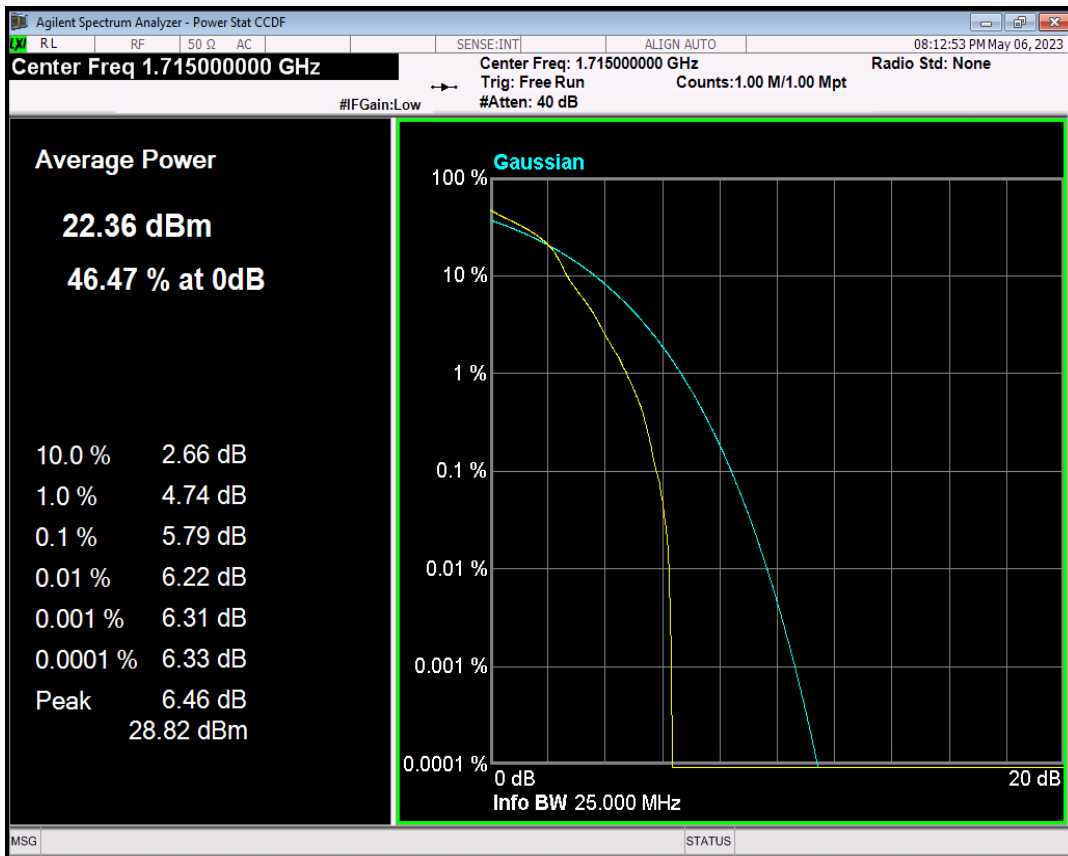
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



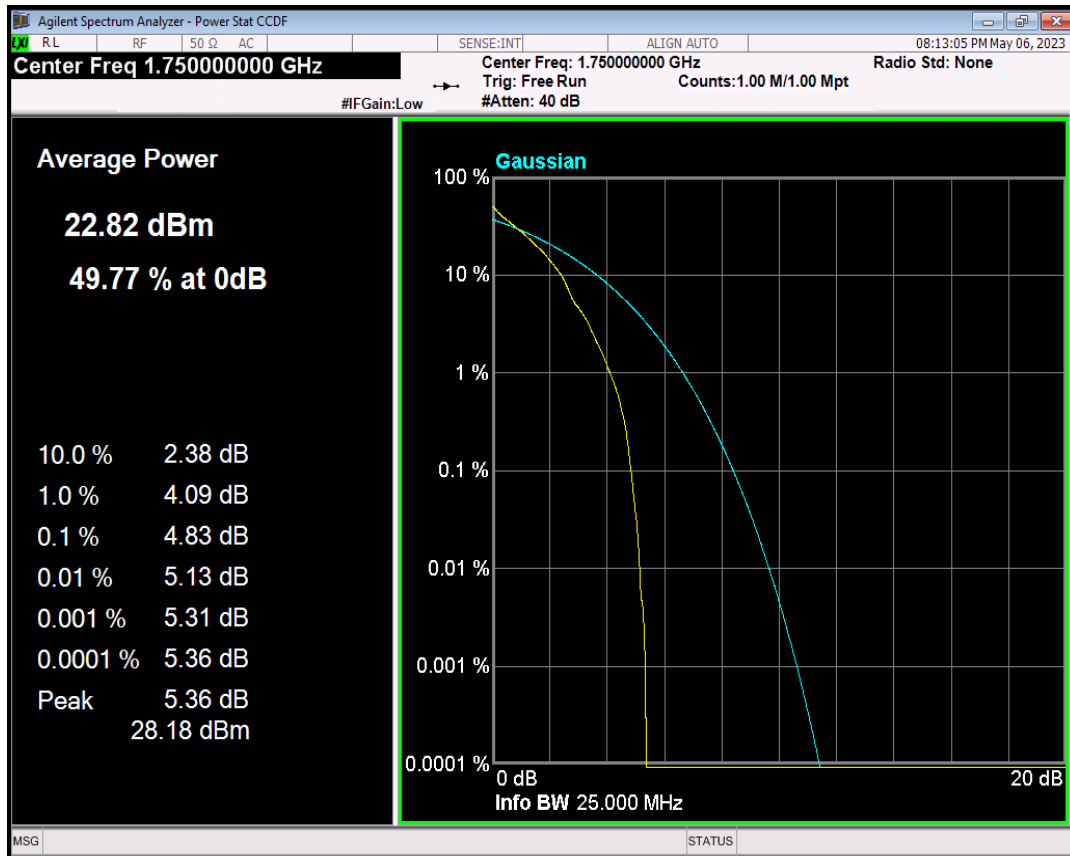
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



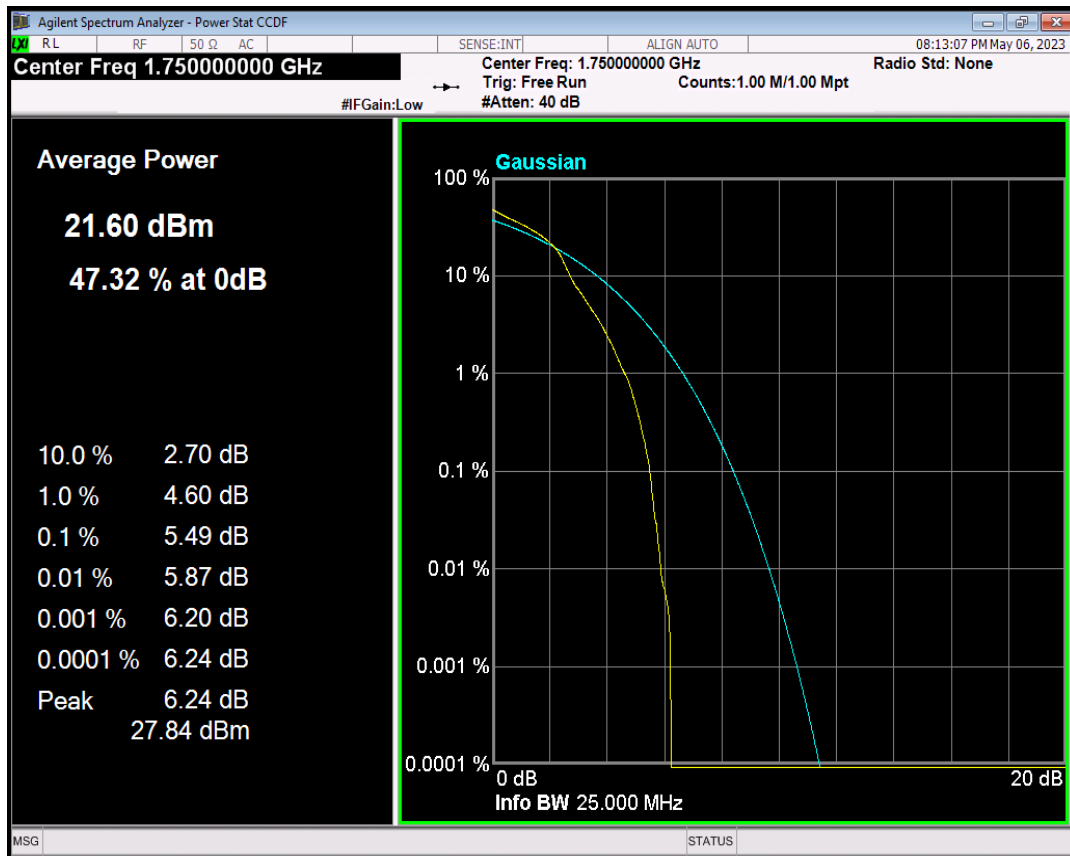
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



Band4 QPSK BW=10MHz Channel=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