

Appendix for Band 4

Report No.: BCTC2309714850-2E

Applicant: Shenzhen Great Asia Electronic Co.,Ltd.

Product Name: Tablet PC

Model/Type
reference: VOLT-V010-2

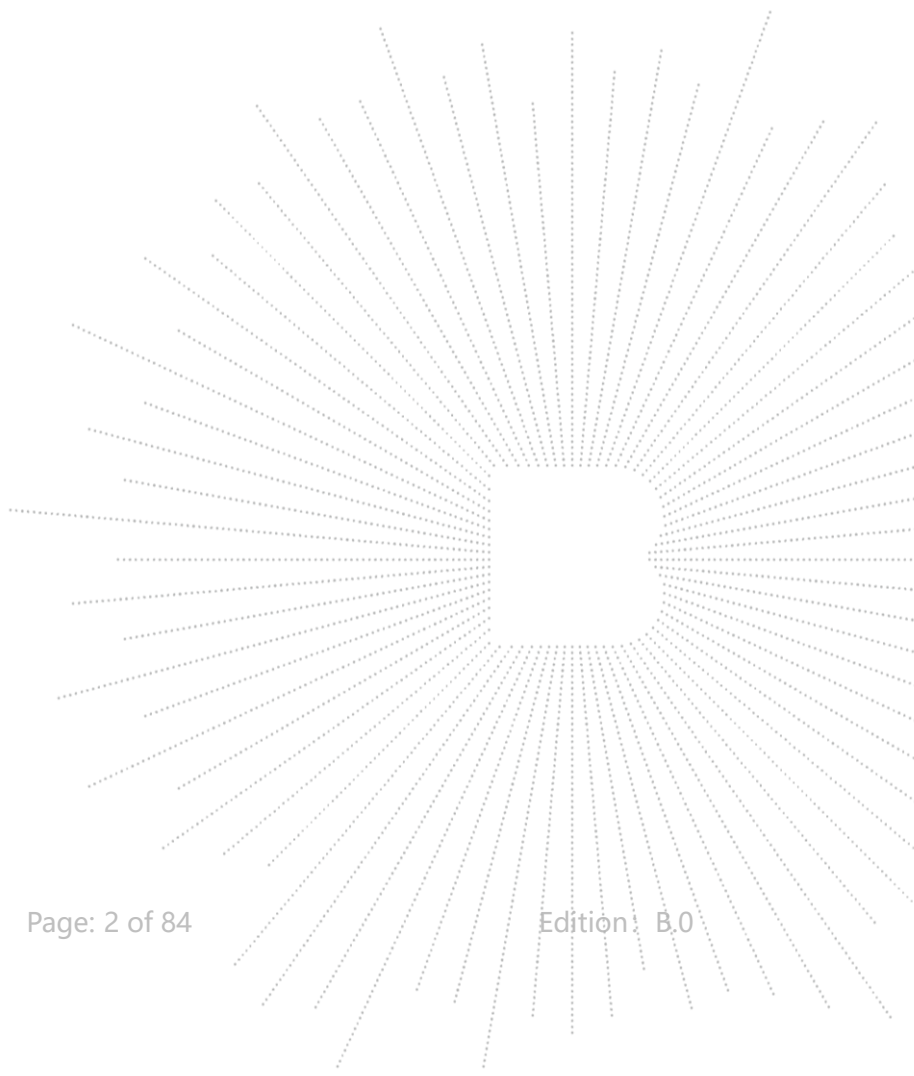
Tested Date: 2023-09-18 to 2023-10-09

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Shenzhen BCTC Testing Co., Ltd.

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Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	23.59	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.65	PASS
Band4	1.4	19957	1	#Max	QPSK	23.62	PASS
Band4	1.4	19957	3	#0	QPSK	23.50	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.53	PASS
Band4	1.4	19957	3	#Max	QPSK	23.57	PASS
Band4	1.4	19957	6	#0	QPSK	22.54	PASS
Band4	1.4	19957	1	#0	16QAM	23.50	PASS
Band4	1.4	19957	1	#Mid	16QAM	23.51	PASS
Band4	1.4	19957	1	#Max	16QAM	23.52	PASS
Band4	1.4	19957	3	#0	16QAM	22.69	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.64	PASS
Band4	1.4	19957	3	#Max	16QAM	22.66	PASS
Band4	1.4	19957	6	#0	16QAM	21.60	PASS
Band4	1.4	20175	1	#0	QPSK	23.60	PASS
Band4	1.4	20175	1	#Mid	QPSK	23.57	PASS
Band4	1.4	20175	1	#Max	QPSK	23.54	PASS
Band4	1.4	20175	3	#0	QPSK	23.70	PASS
Band4	1.4	20175	3	#Mid	QPSK	23.68	PASS
Band4	1.4	20175	3	#Max	QPSK	23.62	PASS
Band4	1.4	20175	6	#0	QPSK	22.63	PASS
Band4	1.4	20175	1	#0	16QAM	23.29	PASS
Band4	1.4	20175	1	#Mid	16QAM	23.26	PASS
Band4	1.4	20175	1	#Max	16QAM	23.33	PASS
Band4	1.4	20175	3	#0	16QAM	22.71	PASS
Band4	1.4	20175	3	#Mid	16QAM	22.69	PASS
Band4	1.4	20175	3	#Max	16QAM	22.72	PASS
Band4	1.4	20175	6	#0	16QAM	21.97	PASS
Band4	1.4	20393	1	#0	QPSK	23.54	PASS
Band4	1.4	20393	1	#Mid	QPSK	23.48	PASS
Band4	1.4	20393	1	#Max	QPSK	23.50	PASS
Band4	1.4	20393	3	#0	QPSK	23.28	PASS
Band4	1.4	20393	3	#Mid	QPSK	23.18	PASS
Band4	1.4	20393	3	#Max	QPSK	23.19	PASS
Band4	1.4	20393	6	#0	QPSK	22.24	PASS
Band4	1.4	20393	1	#0	16QAM	22.85	PASS
Band4	1.4	20393	1	#Mid	16QAM	22.76	PASS
Band4	1.4	20393	1	#Max	16QAM	22.87	PASS
Band4	1.4	20393	3	#0	16QAM	22.69	PASS
Band4	1.4	20393	3	#Mid	16QAM	22.64	PASS

Band4	1.4	20393	3	#Max	16QAM	22.56	PASS
Band4	1.4	20393	6	#0	16QAM	21.95	PASS
Band4	3	19965	1	#0	QPSK	23.44	PASS
Band4	3	19965	1	#Mid	QPSK	23.42	PASS
Band4	3	19965	1	#Max	QPSK	23.39	PASS
Band4	3	19965	8	#0	QPSK	22.56	PASS
Band4	3	19965	8	#Mid	QPSK	22.54	PASS
Band4	3	19965	8	#Max	QPSK	22.43	PASS
Band4	3	19965	15	#0	QPSK	22.49	PASS
Band4	3	19965	1	#0	16QAM	23.53	PASS
Band4	3	19965	1	#Mid	16QAM	23.50	PASS
Band4	3	19965	1	#Max	16QAM	23.51	PASS
Band4	3	19965	8	#0	16QAM	21.49	PASS
Band4	3	19965	8	#Mid	16QAM	21.47	PASS
Band4	3	19965	8	#Max	16QAM	21.47	PASS
Band4	3	19965	15	#0	16QAM	21.70	PASS
Band4	3	20175	1	#0	QPSK	23.51	PASS
Band4	3	20175	1	#Mid	QPSK	23.52	PASS
Band4	3	20175	1	#Max	QPSK	23.52	PASS
Band4	3	20175	8	#0	QPSK	22.59	PASS
Band4	3	20175	8	#Mid	QPSK	22.67	PASS
Band4	3	20175	8	#Max	QPSK	22.57	PASS
Band4	3	20175	15	#0	QPSK	22.65	PASS
Band4	3	20175	1	#0	16QAM	23.25	PASS
Band4	3	20175	1	#Mid	16QAM	23.24	PASS
Band4	3	20175	1	#Max	16QAM	23.31	PASS
Band4	3	20175	8	#0	16QAM	21.88	PASS
Band4	3	20175	8	#Mid	16QAM	22.30	PASS
Band4	3	20175	8	#Max	16QAM	22.31	PASS
Band4	3	20175	15	#0	16QAM	22.15	PASS
Band4	3	20385	1	#0	QPSK	23.51	PASS
Band4	3	20385	1	#Mid	QPSK	23.53	PASS
Band4	3	20385	1	#Max	QPSK	23.48	PASS
Band4	3	20385	8	#0	QPSK	22.21	PASS
Band4	3	20385	8	#Mid	QPSK	22.17	PASS
Band4	3	20385	8	#Max	QPSK	22.26	PASS
Band4	3	20385	15	#0	QPSK	22.38	PASS
Band4	3	20385	1	#0	16QAM	22.77	PASS
Band4	3	20385	1	#Mid	16QAM	22.78	PASS
Band4	3	20385	1	#Max	16QAM	22.72	PASS
Band4	3	20385	8	#0	16QAM	21.38	PASS
Band4	3	20385	8	#Mid	16QAM	21.35	PASS
Band4	3	20385	8	#Max	16QAM	21.78	PASS
Band4	3	20385	15	#0	16QAM	21.39	PASS



Band4	5	19975	1	#0	QPSK	23.42	PASS
Band4	5	19975	1	#Mid	QPSK	23.32	PASS
Band4	5	19975	1	#Max	QPSK	23.34	PASS
Band4	5	19975	12	#0	QPSK	22.54	PASS
Band4	5	19975	12	#Mid	QPSK	22.42	PASS
Band4	5	19975	12	#Max	QPSK	22.51	PASS
Band4	5	19975	25	#0	QPSK	22.43	PASS
Band4	5	19975	1	#0	16QAM	22.66	PASS
Band4	5	19975	1	#Mid	16QAM	22.57	PASS
Band4	5	19975	1	#Max	16QAM	22.56	PASS
Band4	5	19975	12	#0	16QAM	21.49	PASS
Band4	5	19975	12	#Mid	16QAM	21.46	PASS
Band4	5	19975	12	#Max	16QAM	21.45	PASS
Band4	5	19975	25	#0	16QAM	21.63	PASS
Band4	5	20175	1	#0	QPSK	23.63	PASS
Band4	5	20175	1	#Mid	QPSK	23.65	PASS
Band4	5	20175	1	#Max	QPSK	23.73	PASS
Band4	5	20175	12	#0	QPSK	22.61	PASS
Band4	5	20175	12	#Mid	QPSK	22.56	PASS
Band4	5	20175	12	#Max	QPSK	22.59	PASS
Band4	5	20175	25	#0	QPSK	22.70	PASS
Band4	5	20175	1	#0	16QAM	22.28	PASS
Band4	5	20175	1	#Mid	16QAM	22.38	PASS
Band4	5	20175	1	#Max	16QAM	22.42	PASS
Band4	5	20175	12	#0	16QAM	21.57	PASS
Band4	5	20175	12	#Mid	16QAM	21.97	PASS
Band4	5	20175	12	#Max	16QAM	21.98	PASS
Band4	5	20175	25	#0	16QAM	22.20	PASS
Band4	5	20375	1	#0	QPSK	23.24	PASS
Band4	5	20375	1	#Mid	QPSK	23.21	PASS
Band4	5	20375	1	#Max	QPSK	23.20	PASS
Band4	5	20375	12	#0	QPSK	22.31	PASS
Band4	5	20375	12	#Mid	QPSK	22.26	PASS
Band4	5	20375	12	#Max	QPSK	22.25	PASS
Band4	5	20375	25	#0	QPSK	22.37	PASS
Band4	5	20375	1	#0	16QAM	22.40	PASS
Band4	5	20375	1	#Mid	16QAM	22.41	PASS
Band4	5	20375	1	#Max	16QAM	22.33	PASS
Band4	5	20375	12	#0	16QAM	21.34	PASS
Band4	5	20375	12	#Mid	16QAM	21.30	PASS
Band4	5	20375	12	#Max	16QAM	21.30	PASS
Band4	5	20375	25	#0	16QAM	21.33	PASS
Band4	10	20000	1	#0	QPSK	23.51	PASS
Band4	10	20000	1	#Mid	QPSK	23.51	PASS



Band4	10	20000	1	#Max	QPSK	23.49	PASS
Band4	10	20000	25	#0	QPSK	22.52	PASS
Band4	10	20000	25	#Mid	QPSK	22.43	PASS
Band4	10	20000	25	#Max	QPSK	22.38	PASS
Band4	10	20000	50	#0	QPSK	22.45	PASS
Band4	10	20000	1	#0	16QAM	23.67	PASS
Band4	10	20000	1	#Mid	16QAM	23.49	PASS
Band4	10	20000	1	#Max	16QAM	23.59	PASS
Band4	10	20000	25	#0	16QAM	21.43	PASS
Band4	10	20000	25	#Mid	16QAM	21.80	PASS
Band4	10	20000	25	#Max	16QAM	21.42	PASS
Band4	10	20000	50	#0	16QAM	21.89	PASS
Band4	10	20175	1	#0	QPSK	23.65	PASS
Band4	10	20175	1	#Mid	QPSK	23.69	PASS
Band4	10	20175	1	#Max	QPSK	23.67	PASS
Band4	10	20175	25	#0	QPSK	22.60	PASS
Band4	10	20175	25	#Mid	QPSK	22.59	PASS
Band4	10	20175	25	#Max	QPSK	22.63	PASS
Band4	10	20175	50	#0	QPSK	22.63	PASS
Band4	10	20175	1	#0	16QAM	22.62	PASS
Band4	10	20175	1	#Mid	16QAM	22.68	PASS
Band4	10	20175	1	#Max	16QAM	22.72	PASS
Band4	10	20175	25	#0	16QAM	21.71	PASS
Band4	10	20175	25	#Mid	16QAM	22.11	PASS
Band4	10	20175	25	#Max	16QAM	21.69	PASS
Band4	10	20175	50	#0	16QAM	22.18	PASS
Band4	10	20350	1	#0	QPSK	23.47	PASS
Band4	10	20350	1	#Mid	QPSK	23.46	PASS
Band4	10	20350	1	#Max	QPSK	23.36	PASS
Band4	10	20350	25	#0	QPSK	22.43	PASS
Band4	10	20350	25	#Mid	QPSK	22.51	PASS
Band4	10	20350	25	#Max	QPSK	22.33	PASS
Band4	10	20350	50	#0	QPSK	22.42	PASS
Band4	10	20350	1	#0	16QAM	22.61	PASS
Band4	10	20350	1	#Mid	16QAM	22.58	PASS
Band4	10	20350	1	#Max	16QAM	22.34	PASS
Band4	10	20350	25	#0	16QAM	21.94	PASS
Band4	10	20350	25	#Mid	16QAM	21.43	PASS
Band4	10	20350	25	#Max	16QAM	21.38	PASS
Band4	10	20350	50	#0	16QAM	21.45	PASS
Band4	15	20025	1	#0	QPSK	23.49	PASS
Band4	15	20025	1	#Mid	QPSK	23.48	PASS
Band4	15	20025	1	#Max	QPSK	23.54	PASS
Band4	15	20025	36	#0	QPSK	22.48	PASS



Band4	15	20025	36	#Mid	QPSK	22.43	PASS
Band4	15	20025	36	#Max	QPSK	22.45	PASS
Band4	15	20025	75	#0	QPSK	22.41	PASS
Band4	15	20025	1	#0	16QAM	23.64	PASS
Band4	15	20025	1	#Mid	16QAM	23.59	PASS
Band4	15	20025	1	#Max	16QAM	23.60	PASS
Band4	15	20025	36	#0	16QAM	21.86	PASS
Band4	15	20025	36	#Mid	16QAM	21.46	PASS
Band4	15	20025	36	#Max	16QAM	21.51	PASS
Band4	15	20025	75	#0	16QAM	21.61	PASS
Band4	15	20175	1	#0	QPSK	23.62	PASS
Band4	15	20175	1	#Mid	QPSK	23.67	PASS
Band4	15	20175	1	#Max	QPSK	23.63	PASS
Band4	15	20175	36	#0	QPSK	22.60	PASS
Band4	15	20175	36	#Mid	QPSK	22.63	PASS
Band4	15	20175	36	#Max	QPSK	22.69	PASS
Band4	15	20175	75	#0	QPSK	22.68	PASS
Band4	15	20175	1	#0	16QAM	22.52	PASS
Band4	15	20175	1	#Mid	16QAM	22.67	PASS
Band4	15	20175	1	#Max	16QAM	22.64	PASS
Band4	15	20175	36	#0	16QAM	21.79	PASS
Band4	15	20175	36	#Mid	16QAM	22.22	PASS
Band4	15	20175	36	#Max	16QAM	22.22	PASS
Band4	15	20175	75	#0	16QAM	22.10	PASS
Band4	15	20325	1	#0	QPSK	23.65	PASS
Band4	15	20325	1	#Mid	QPSK	23.50	PASS
Band4	15	20325	1	#Max	QPSK	23.30	PASS
Band4	15	20325	36	#0	QPSK	22.41	PASS
Band4	15	20325	36	#Mid	QPSK	22.31	PASS
Band4	15	20325	36	#Max	QPSK	22.38	PASS
Band4	15	20325	75	#0	QPSK	22.44	PASS
Band4	15	20325	1	#0	16QAM	23.36	PASS
Band4	15	20325	1	#Mid	16QAM	23.20	PASS
Band4	15	20325	1	#Max	16QAM	22.98	PASS
Band4	15	20325	36	#0	16QAM	21.58	PASS
Band4	15	20325	36	#Mid	16QAM	21.94	PASS
Band4	15	20325	36	#Max	16QAM	21.40	PASS
Band4	15	20325	75	#0	16QAM	22.02	PASS
Band4	20	20050	1	#0	QPSK	23.48	PASS
Band4	20	20050	1	#Mid	QPSK	23.40	PASS
Band4	20	20050	1	#Max	QPSK	23.61	PASS
Band4	20	20050	50	#0	QPSK	22.46	PASS
Band4	20	20050	50	#Mid	QPSK	22.45	PASS
Band4	20	20050	50	#Max	QPSK	22.44	PASS



Band4	20	20050	100	#0	QPSK	22.52	PASS
Band4	20	20050	1	#0	16QAM	22.20	PASS
Band4	20	20050	1	#Mid	16QAM	22.11	PASS
Band4	20	20050	1	#Max	16QAM	22.30	PASS
Band4	20	20050	50	#0	16QAM	21.98	PASS
Band4	20	20050	50	#Mid	16QAM	21.60	PASS
Band4	20	20050	50	#Max	16QAM	22.03	PASS
Band4	20	20050	100	#0	16QAM	21.58	PASS
Band4	20	20175	1	#0	QPSK	23.56	PASS
Band4	20	20175	1	#Mid	QPSK	23.66	PASS
Band4	20	20175	1	#Max	QPSK	23.66	PASS
Band4	20	20175	50	#0	QPSK	22.50	PASS
Band4	20	20175	50	#Mid	QPSK	22.65	PASS
Band4	20	20175	50	#Max	QPSK	22.66	PASS
Band4	20	20175	100	#0	QPSK	22.67	PASS
Band4	20	20175	1	#0	16QAM	22.58	PASS
Band4	20	20175	1	#Mid	16QAM	22.75	PASS
Band4	20	20175	1	#Max	16QAM	22.77	PASS
Band4	20	20175	50	#0	16QAM	21.65	PASS
Band4	20	20175	50	#Mid	16QAM	22.17	PASS
Band4	20	20175	50	#Max	16QAM	22.05	PASS
Band4	20	20175	100	#0	16QAM	22.05	PASS
Band4	20	20300	1	#0	QPSK	23.68	PASS
Band4	20	20300	1	#Mid	QPSK	23.57	PASS
Band4	20	20300	1	#Max	QPSK	23.45	PASS
Band4	20	20300	50	#0	QPSK	22.53	PASS
Band4	20	20300	50	#Mid	QPSK	22.56	PASS
Band4	20	20300	50	#Max	QPSK	22.43	PASS
Band4	20	20300	100	#0	QPSK	22.61	PASS
Band4	20	20300	1	#0	16QAM	22.73	PASS
Band4	20	20300	1	#Mid	16QAM	22.61	PASS
Band4	20	20300	1	#Max	16QAM	22.53	PASS
Band4	20	20300	50	#0	16QAM	22.09	PASS
Band4	20	20300	50	#Mid	16QAM	21.54	PASS
Band4	20	20300	50	#Max	16QAM	21.45	PASS
Band4	20	20300	100	#0	16QAM	21.53	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	9.87	0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	16.67	0.010	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	19.05	0.011	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	18.74	0.011	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	18.42	0.011	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	17.25	0.010	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	10.26	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	10.16	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	9.67	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	9.20	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	8.13	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	6.58	0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	6.34	0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	2.26	0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-15.79	-0.009	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	6.61	0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	11.04	0.006	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	11.20	0.006	-2.5	2.5	PASS
Band	3	19965	15	#0	QPSK	LV	NT	12.37	0.007	-2.5	2.5	PASS



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Band 4	3	19965	15	#0	QPSK	NV	NT	4.05	0.002	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-4.71	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	6.71	0.004	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	7.30	0.004	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	9.24	0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	13.63	0.008	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	16.61	0.010	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	15.52	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	16.48	0.010	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	15.74	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	16.15	0.009	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	-7.15	-0.004	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	-8.23	-0.005	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	-12.53	-0.007	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	-14.06	-0.008	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	-15.65	-0.009	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	-16.88	-0.010	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-2.39	-0.001	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	5.26	0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-4.65	-0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	-9.20	-0.005	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	NT	-5.68	-0.00	-2.5	2.5	PASS



4								3				
Band 4	5	19975	25	#0	16QAM	HV	NT	-3.83	-0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	10.19	0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	12.37	0.007	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	10.83	0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	10.16	0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	9.67	0.006	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	9.41	0.005	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	-10.60	-0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	-10.54	-0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	-13.22	-0.008	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	-16.22	-0.009	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	-17.18	-0.010	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	-17.82	-0.010	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	32.26	0.019	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	0.56	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	0.50	0.000	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	-14.68	-0.009	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	-12.57	-0.007	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	-15.49	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	3.82	0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	NT	6.18	0.004	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	HV	NT	4.35	0.003	-2.5	2.5	PASS

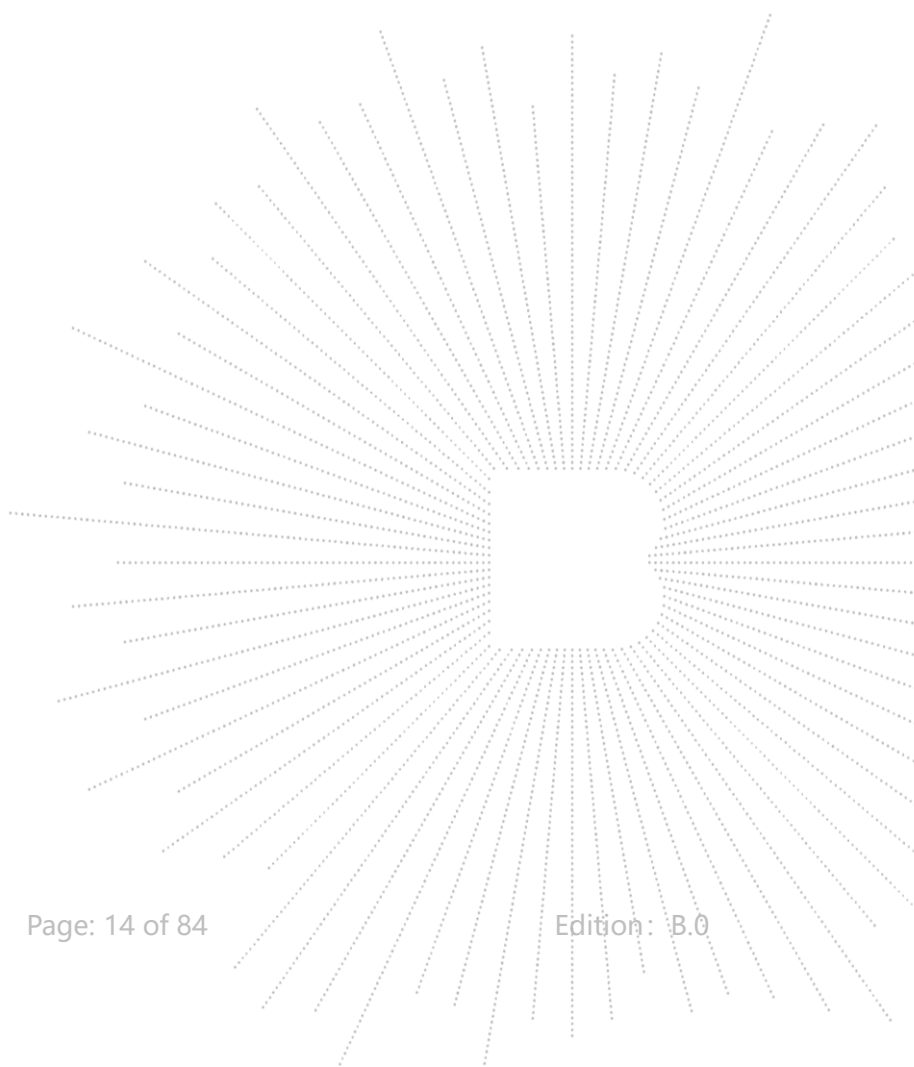


4												
Band 4	10	20175	50	#0	16QAM	LV	NT	2.96	0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	3.68	0.002	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	4.11	0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	2.15	0.001	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	5.44	0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	4.73	0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	5.25	0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	6.90	0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	10.57	0.006	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-1.00	-0.001	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	8.48	0.005	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	17.55	0.010	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	15.02	0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	13.56	0.008	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	14.03	0.008	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	11.32	0.007	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	8.48	0.005	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	6.08	0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	7.68	0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	NT	7.54	0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	HV	NT	9.61	0.006	-2.5	2.5	PASS
Band	15	20325	75	#0	QPSK	LV	NT	-1.09	-0.00	-2.5	2.5	PASS



4								1				
Band 4	15	20325	75	#0	QPSK	NV	NT	4.51	0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	7.95	0.005	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	11.04	0.006	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	14.78	0.008	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	-4.06	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	4.18	0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	6.58	0.004	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-2.99	-0.002	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	-13.45	-0.008	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	-16.08	-0.009	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	-18.95	-0.011	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-2.50	-0.001	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-0.70	0.000	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-14.76	-0.009	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-14.81	-0.009	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	-13.00	-0.008	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	-11.13	-0.006	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	5.92	0.003	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	-3.49	-0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	HV	NT	3.38	0.002	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	LV	NT	8.37	0.005	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	15.05	0.009	-2.5	2.5	PASS

4												
Band	20	20300	100	#0	16QAM	HV	NT	21.96	0.013	-2.5	2.5	PASS
4												

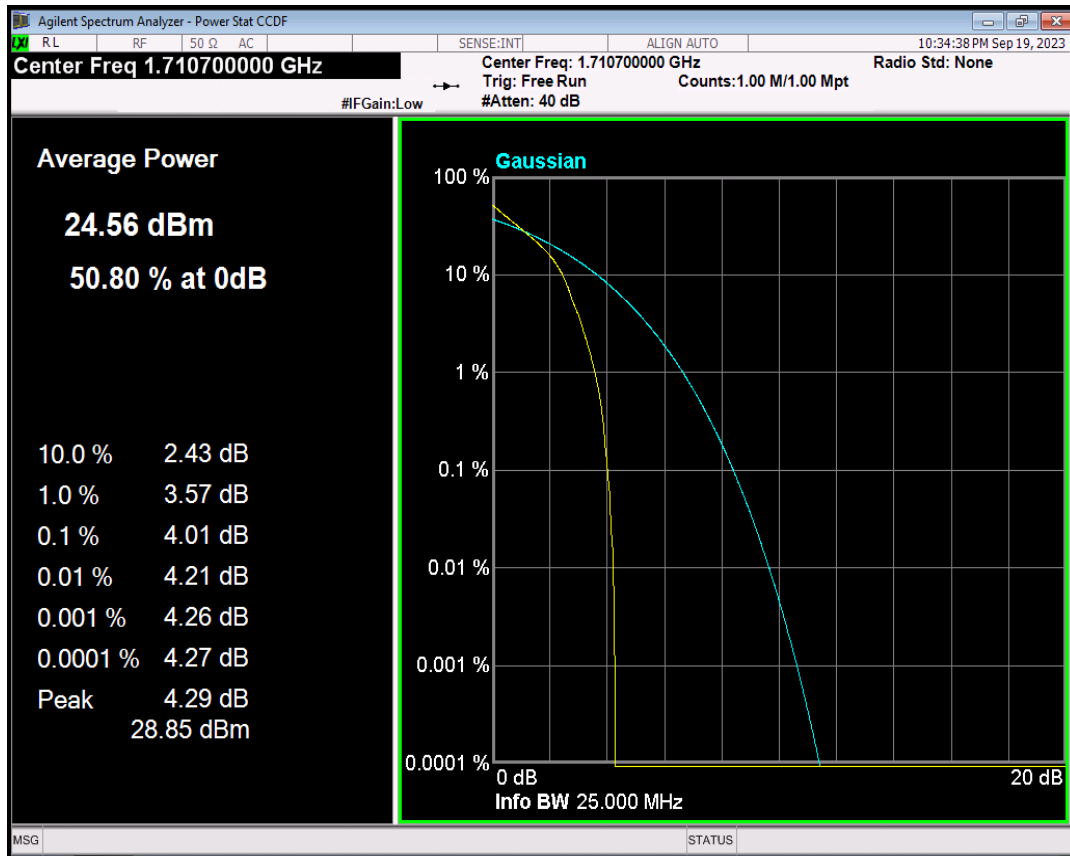


Appendix 3. Peak-to-Average Ratio

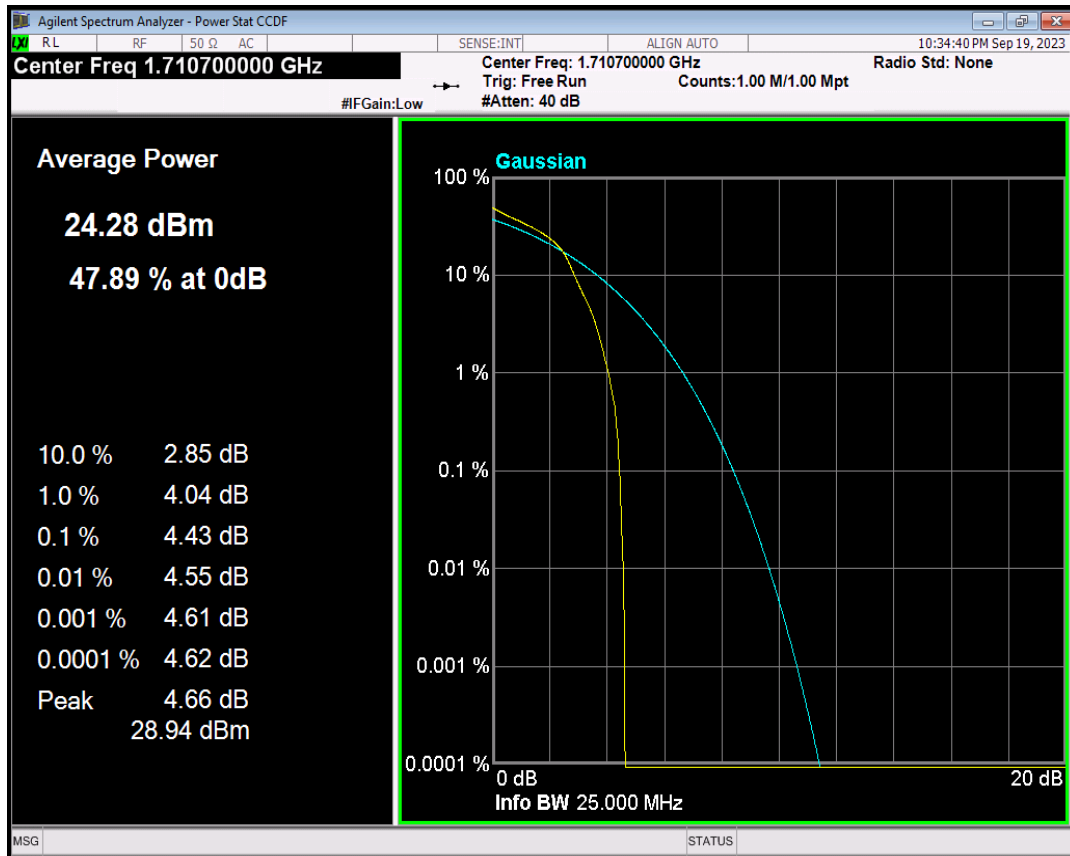
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.01	13	PASS
Band4	1.4	19957	1	#0	16QAM	4.43	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.38	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.04	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.09	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.87	13	PASS
Band4	3	19965	1	#0	QPSK	3.99	13	PASS
Band4	3	19965	1	#0	16QAM	4.89	13	PASS
Band4	3	20175	1	#0	QPSK	4.44	13	PASS
Band4	3	20175	1	#0	16QAM	5.04	13	PASS
Band4	3	20385	1	#0	QPSK	4.97	13	PASS
Band4	3	20385	1	#0	16QAM	5.78	13	PASS
Band4	5	19975	1	#0	QPSK	4.11	13	PASS
Band4	5	19975	1	#0	16QAM	5.17	13	PASS
Band4	5	20175	1	#0	QPSK	4.38	13	PASS
Band4	5	20175	1	#0	16QAM	5.09	13	PASS
Band4	5	20375	1	#0	QPSK	5.00	13	PASS
Band4	5	20375	1	#0	16QAM	5.93	13	PASS
Band4	10	20000	1	#0	QPSK	4.07	13	PASS
Band4	10	20000	1	#0	16QAM	5.16	13	PASS
Band4	10	20175	1	#0	QPSK	4.43	13	PASS
Band4	10	20175	1	#0	16QAM	5.36	13	PASS
Band4	10	20350	1	#0	QPSK	3.64	13	PASS
Band4	10	20350	1	#0	16QAM	4.74	13	PASS
Band4	15	20025	1	#0	QPSK	4.15	13	PASS
Band4	15	20025	1	#0	16QAM	5.03	13	PASS
Band4	15	20175	1	#0	QPSK	4.47	13	PASS
Band4	15	20175	1	#0	16QAM	5.40	13	PASS
Band4	15	20325	1	#0	QPSK	3.11	13	PASS
Band4	15	20325	1	#0	16QAM	3.91	13	PASS
Band4	20	20050	1	#0	QPSK	4.09	13	PASS
Band4	20	20050	1	#0	16QAM	4.88	13	PASS
Band4	20	20175	1	#0	QPSK	4.70	13	PASS
Band4	20	20175	1	#0	16QAM	5.80	13	PASS
Band4	20	20300	1	#0	QPSK	3.75	13	PASS
Band4	20	20300	1	#0	16QAM	4.64	13	PASS



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

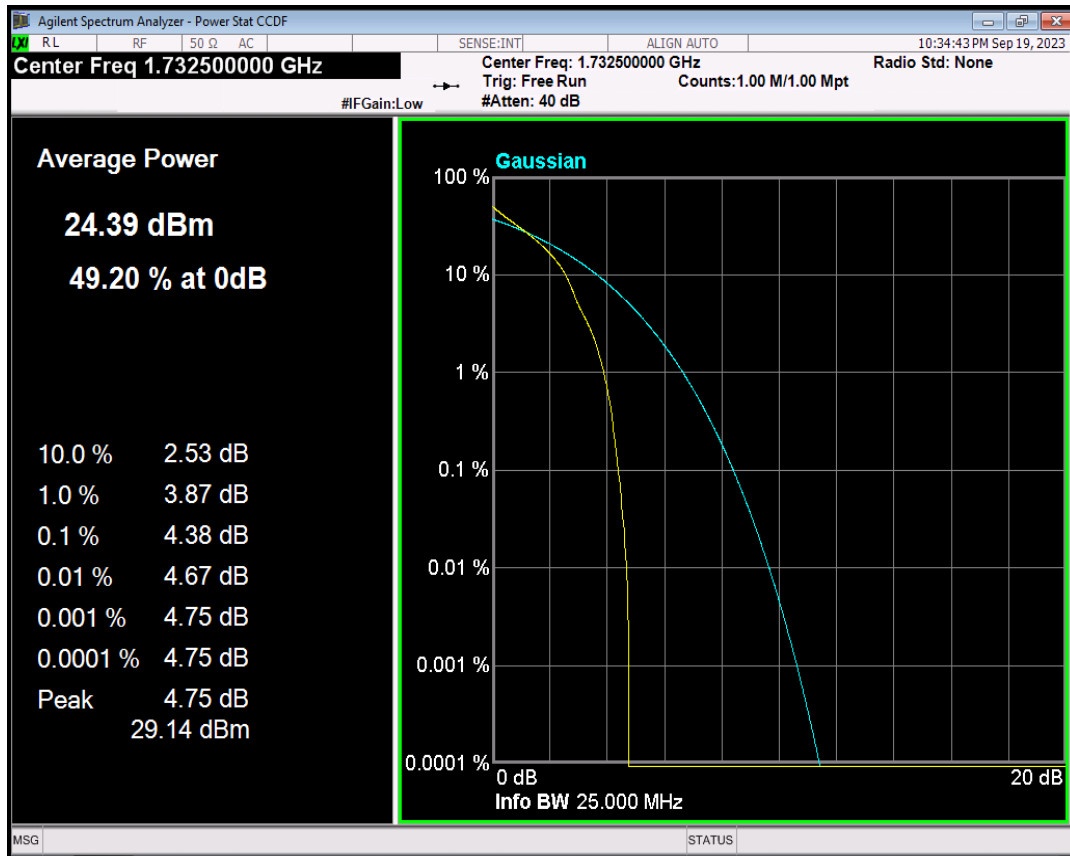


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0

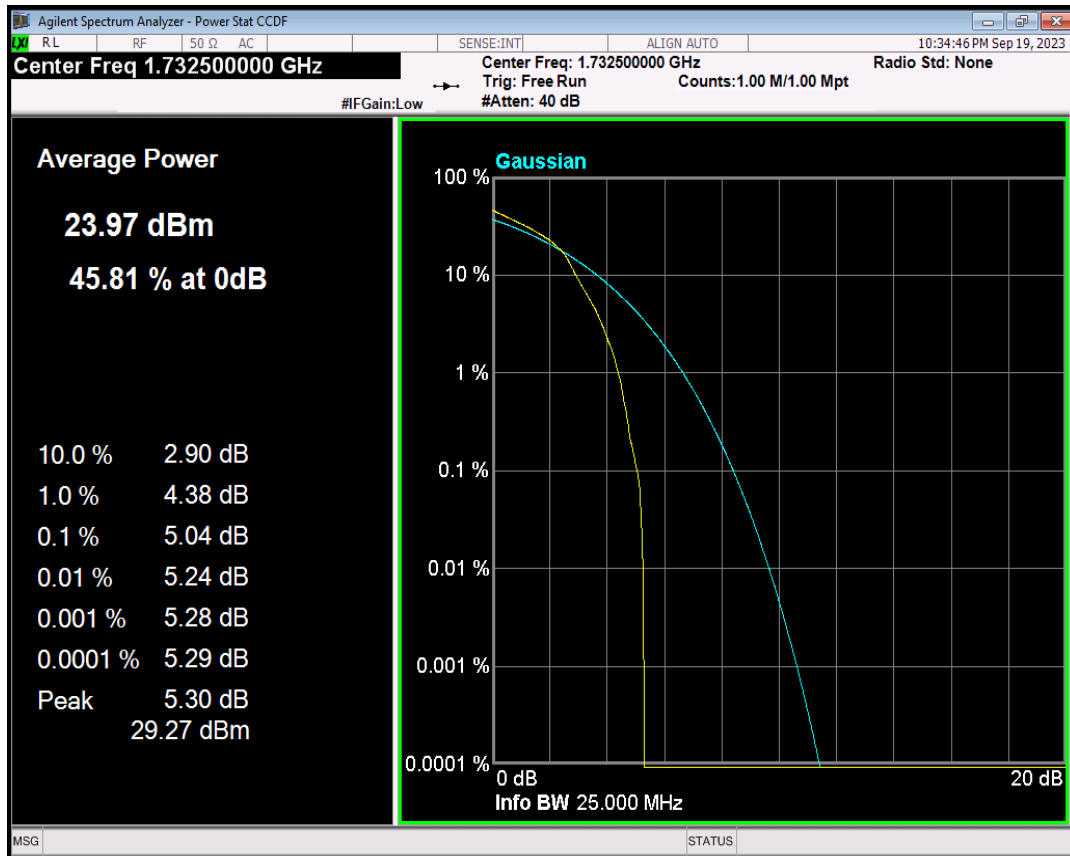




Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

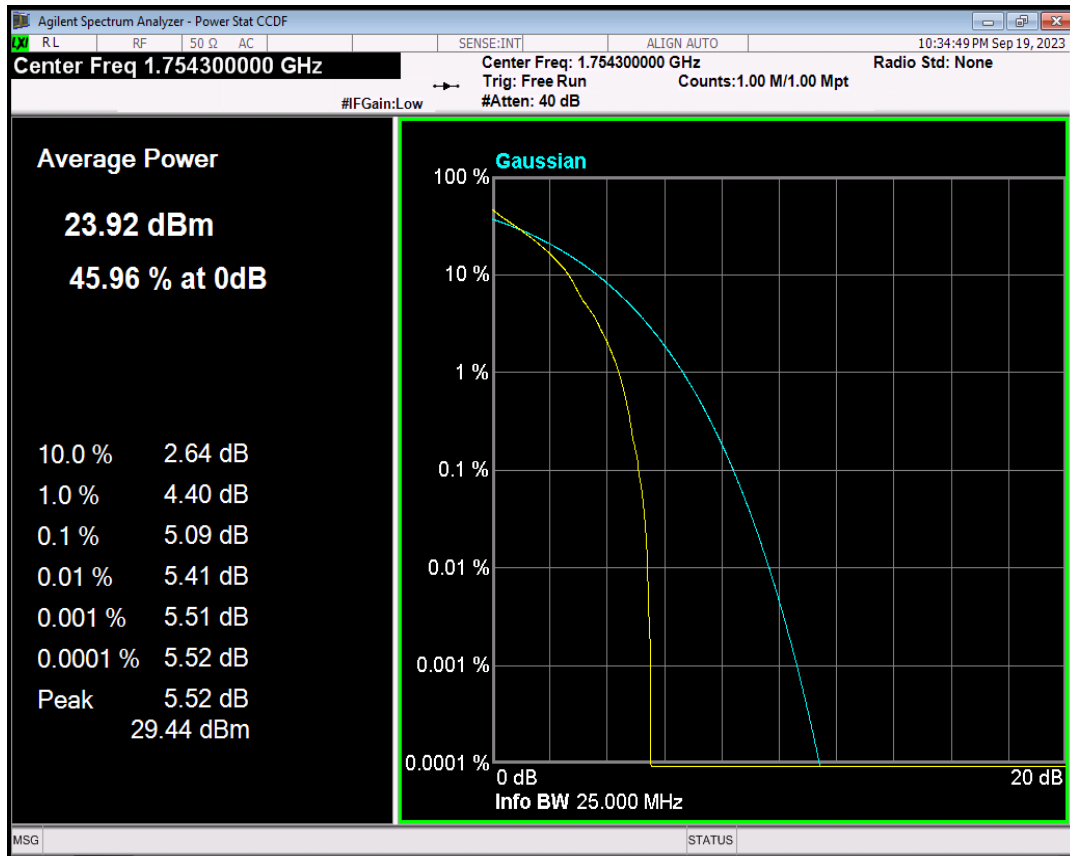


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0

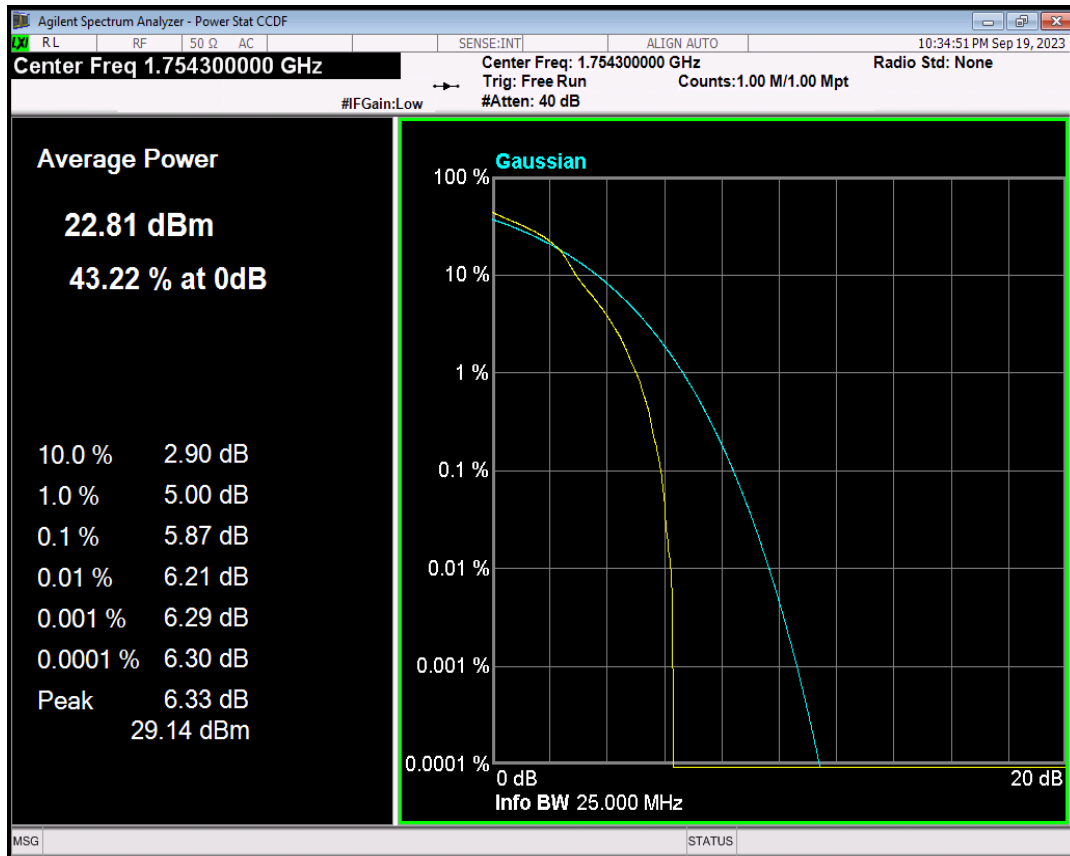




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

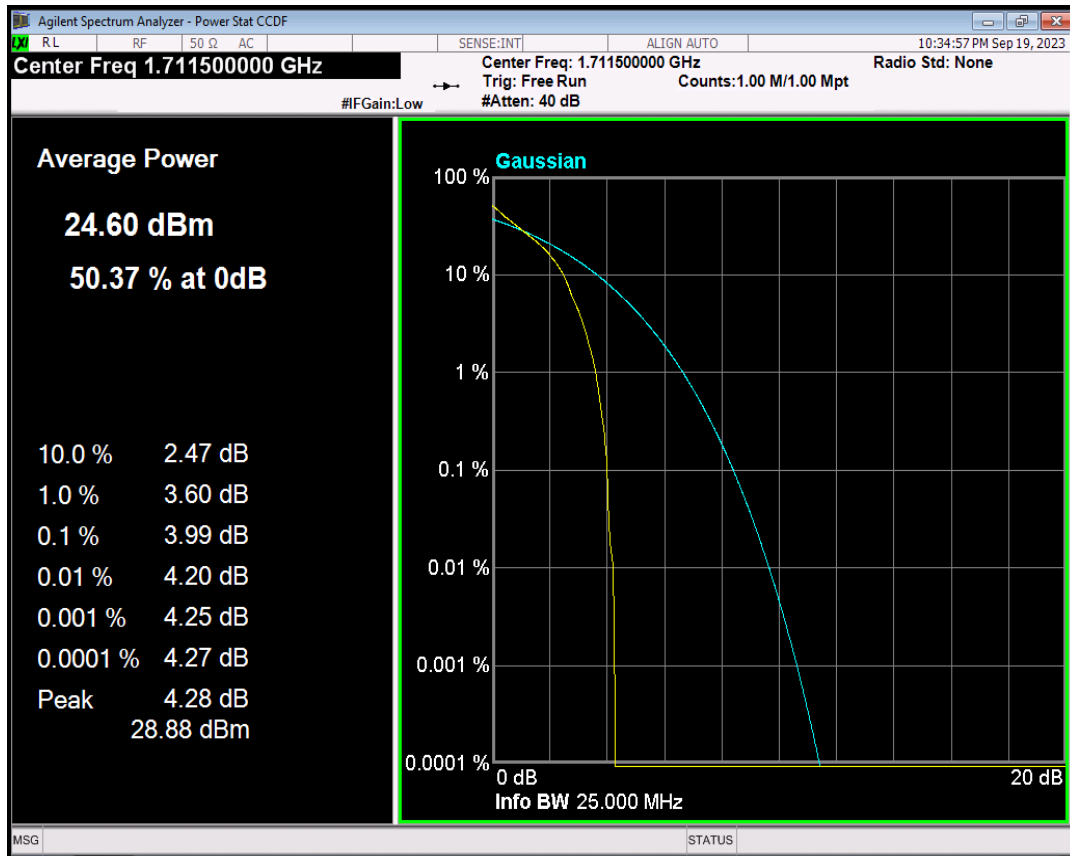


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

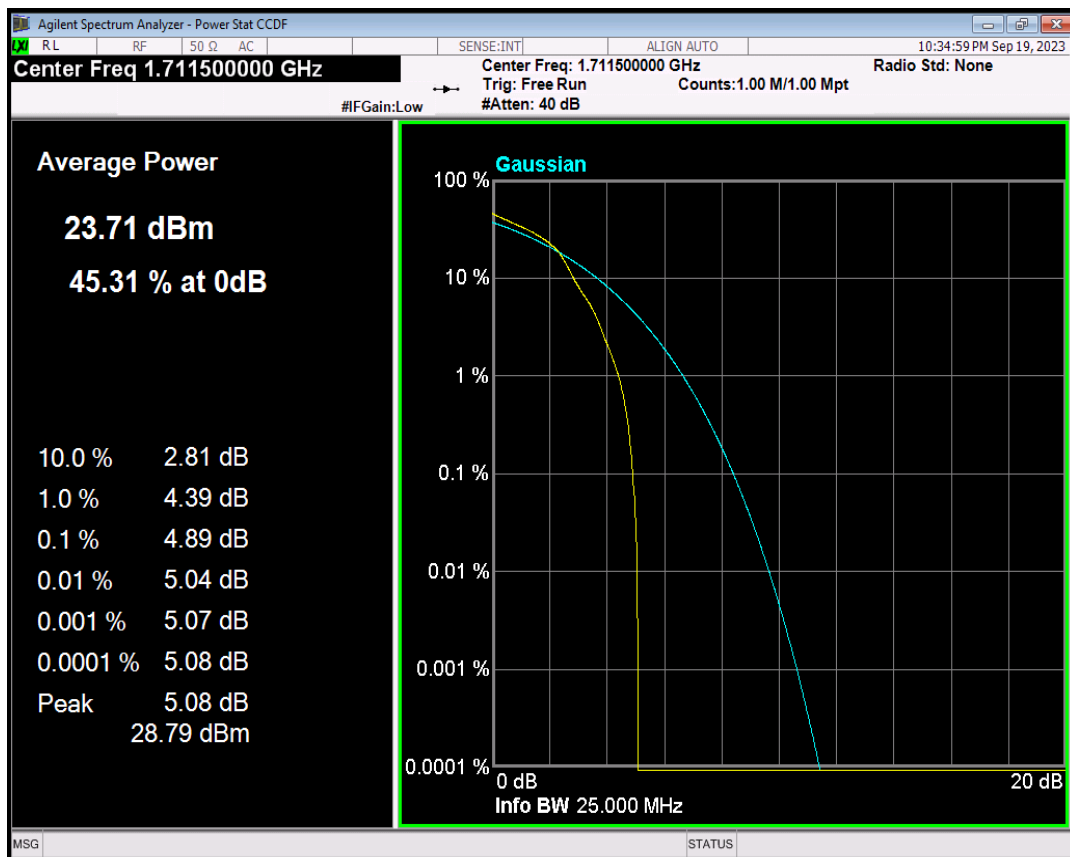




Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

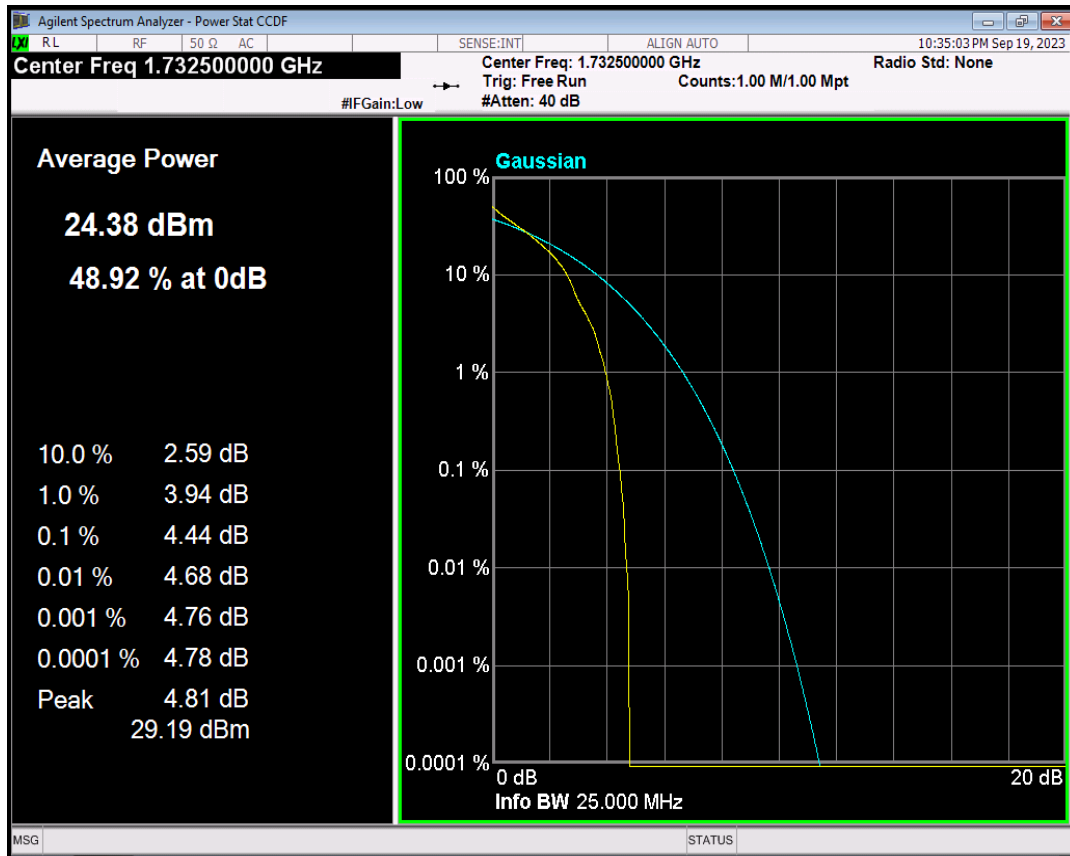


Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

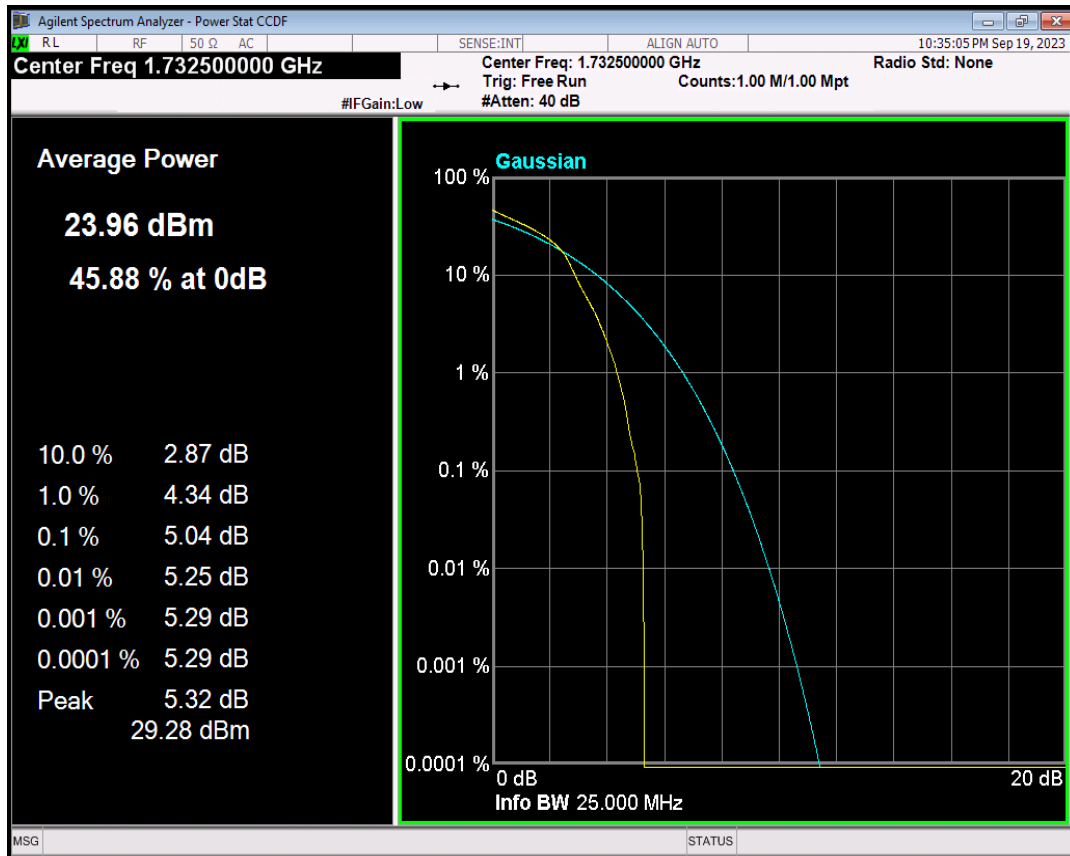




Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0

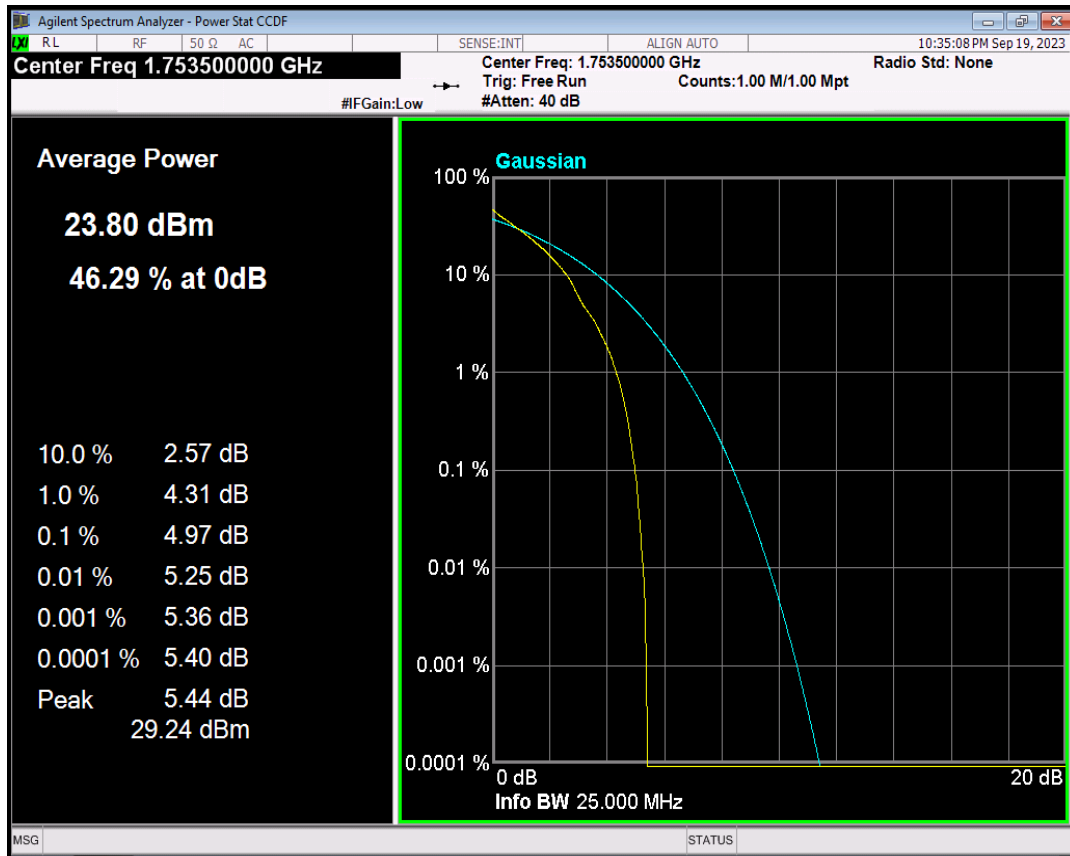


Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0

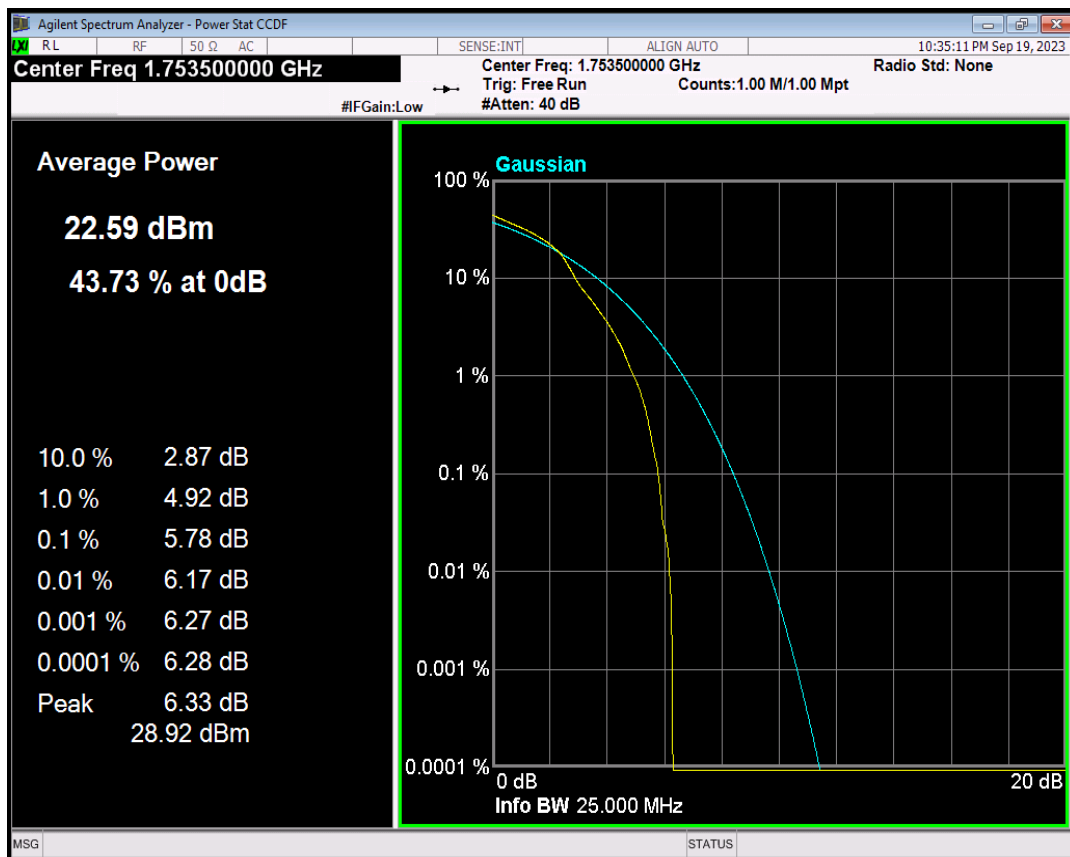




Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

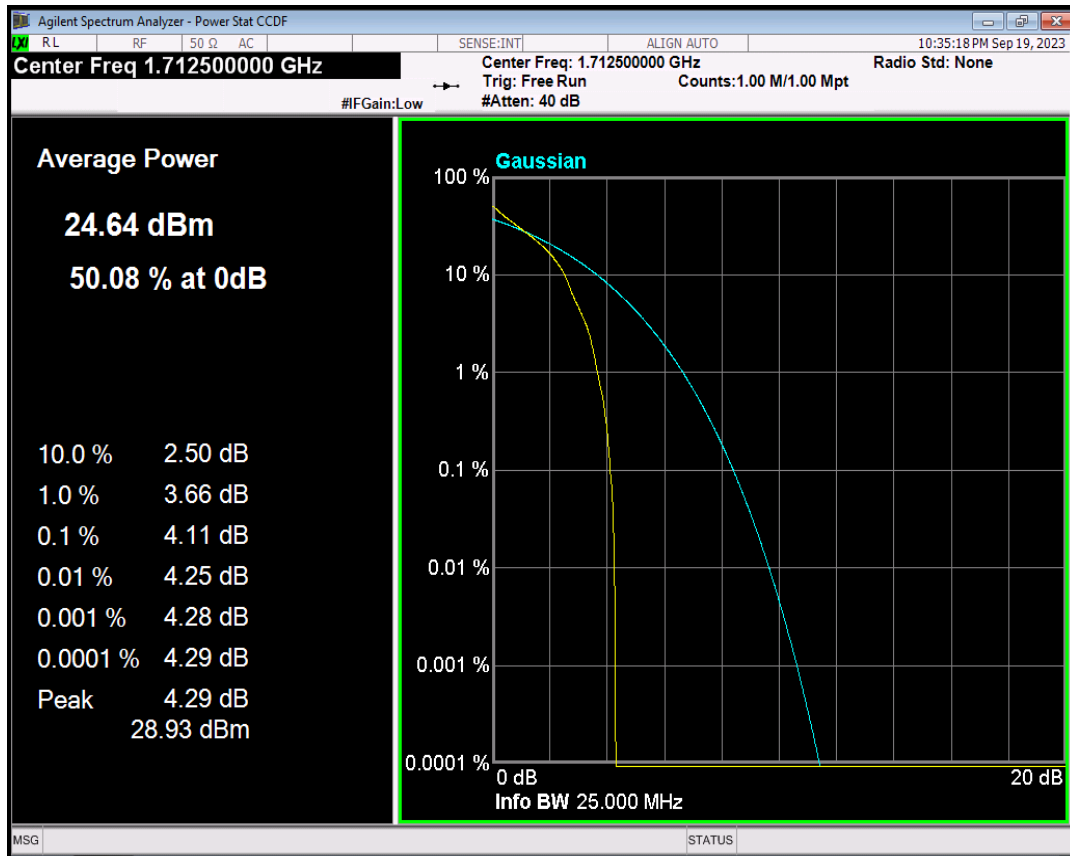


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

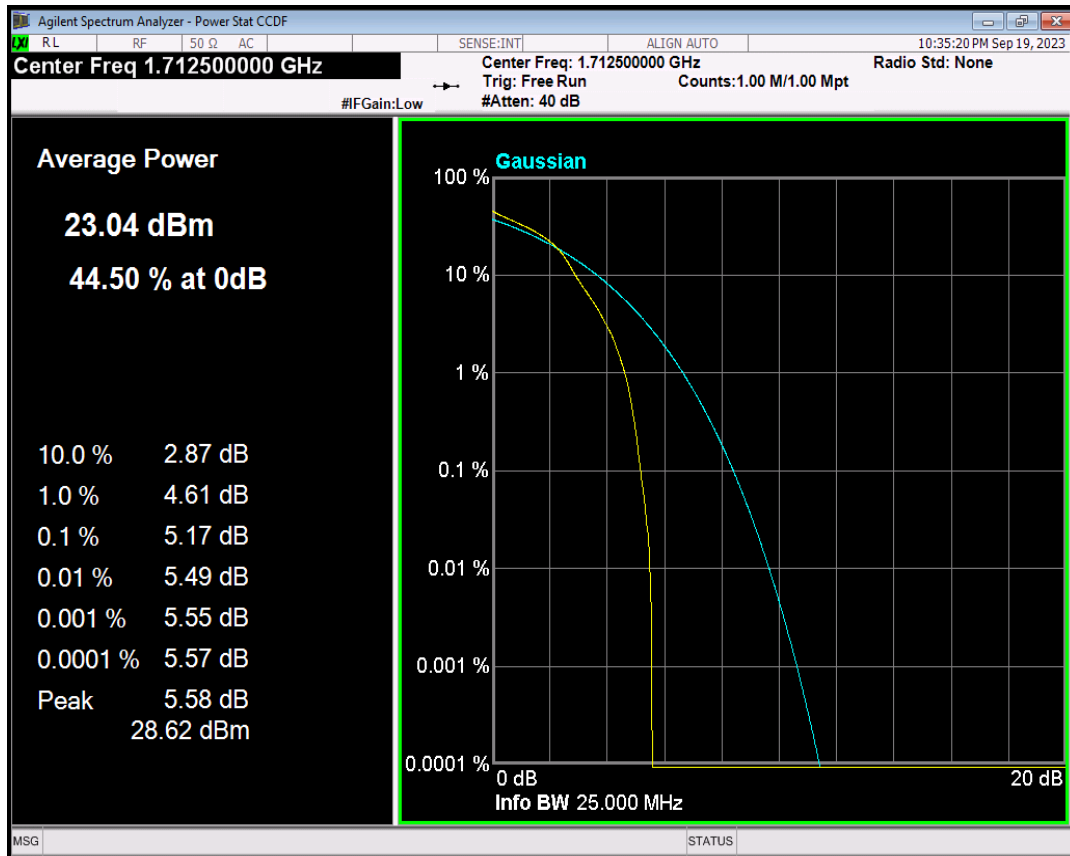




Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

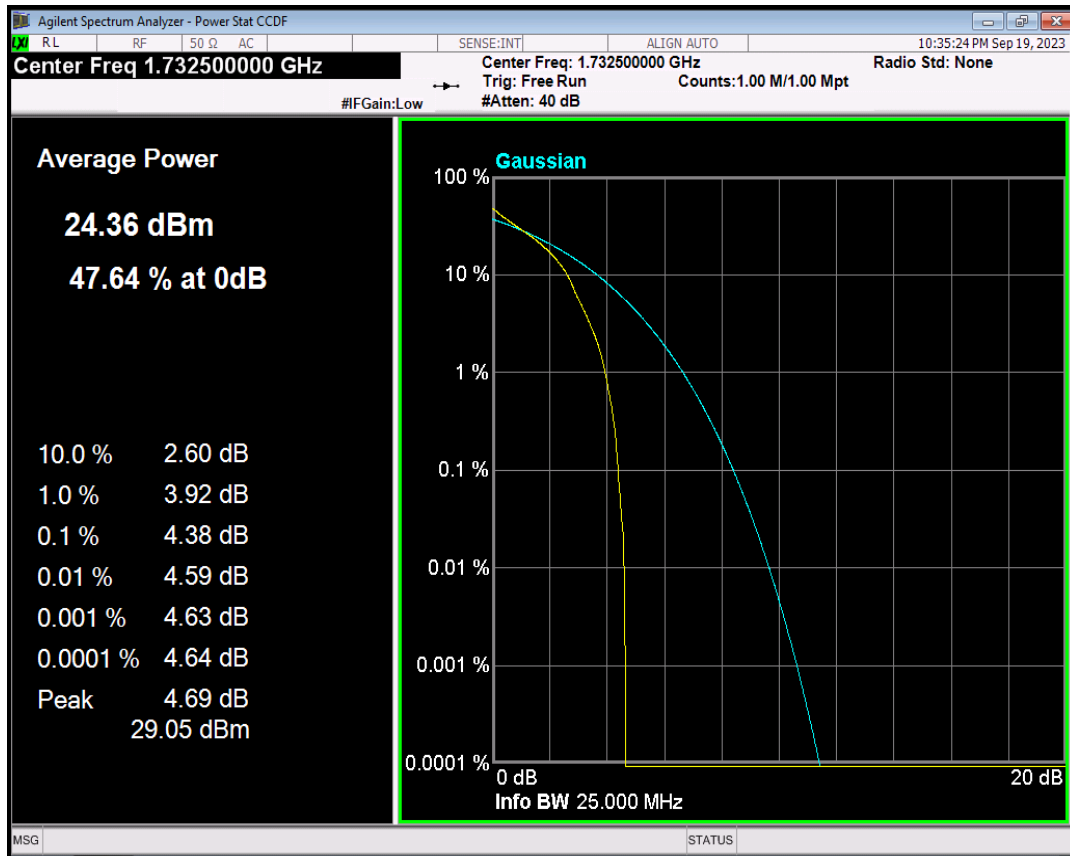


Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

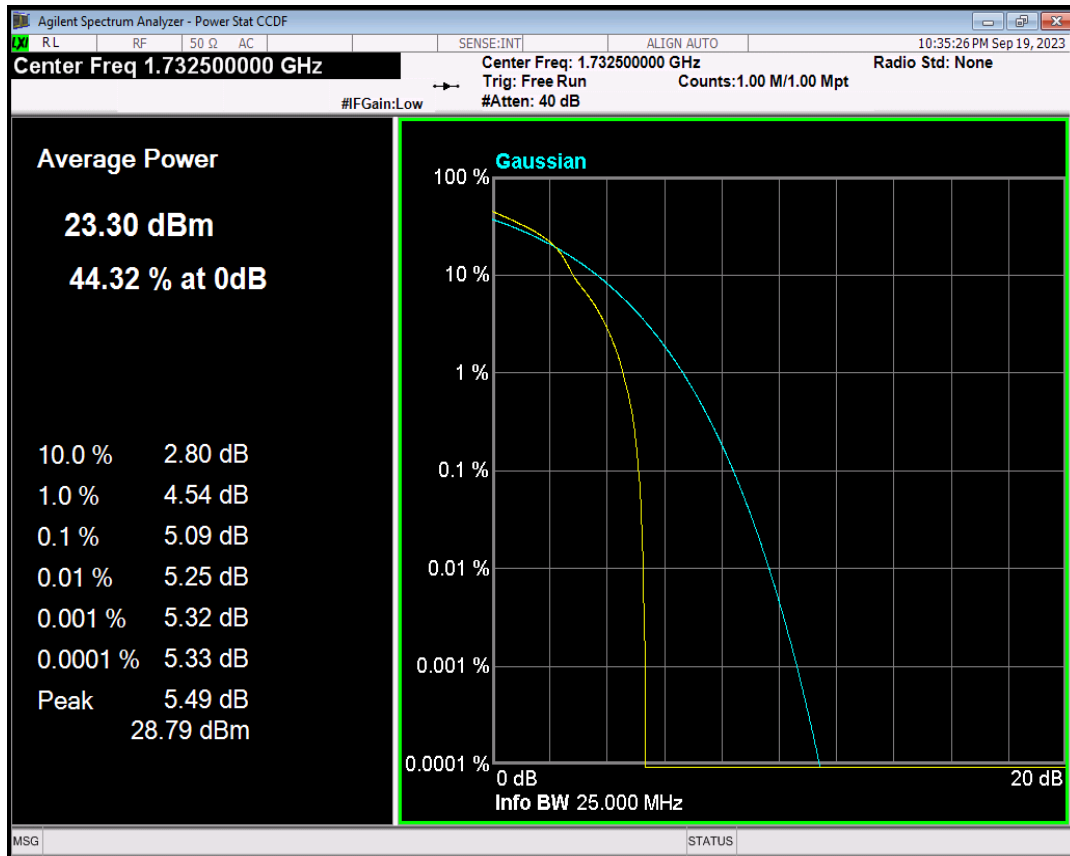




Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0

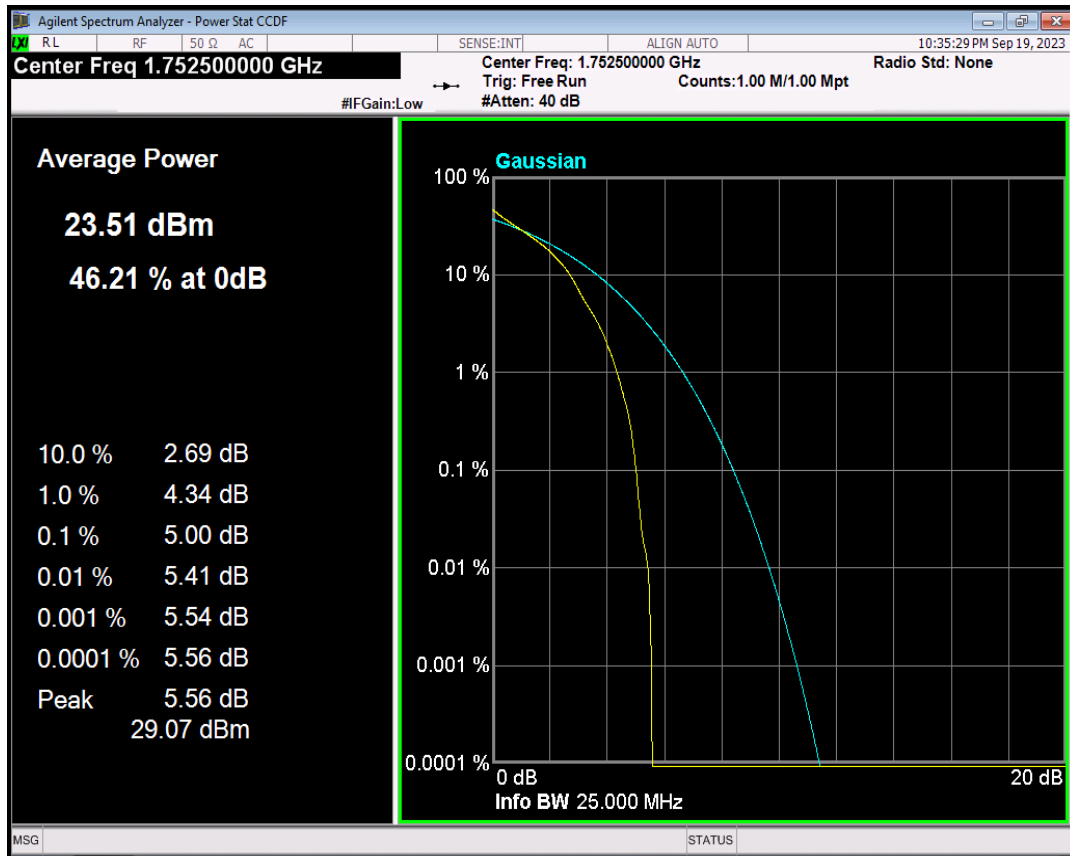


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

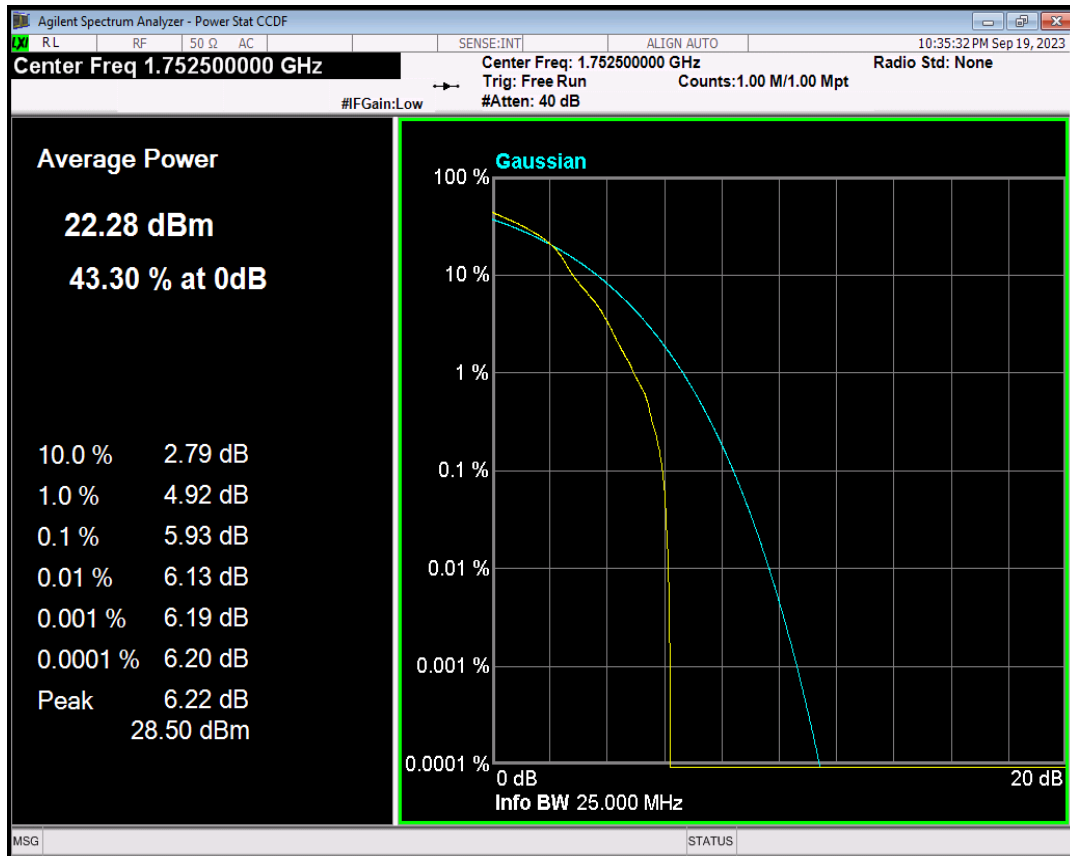




Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0

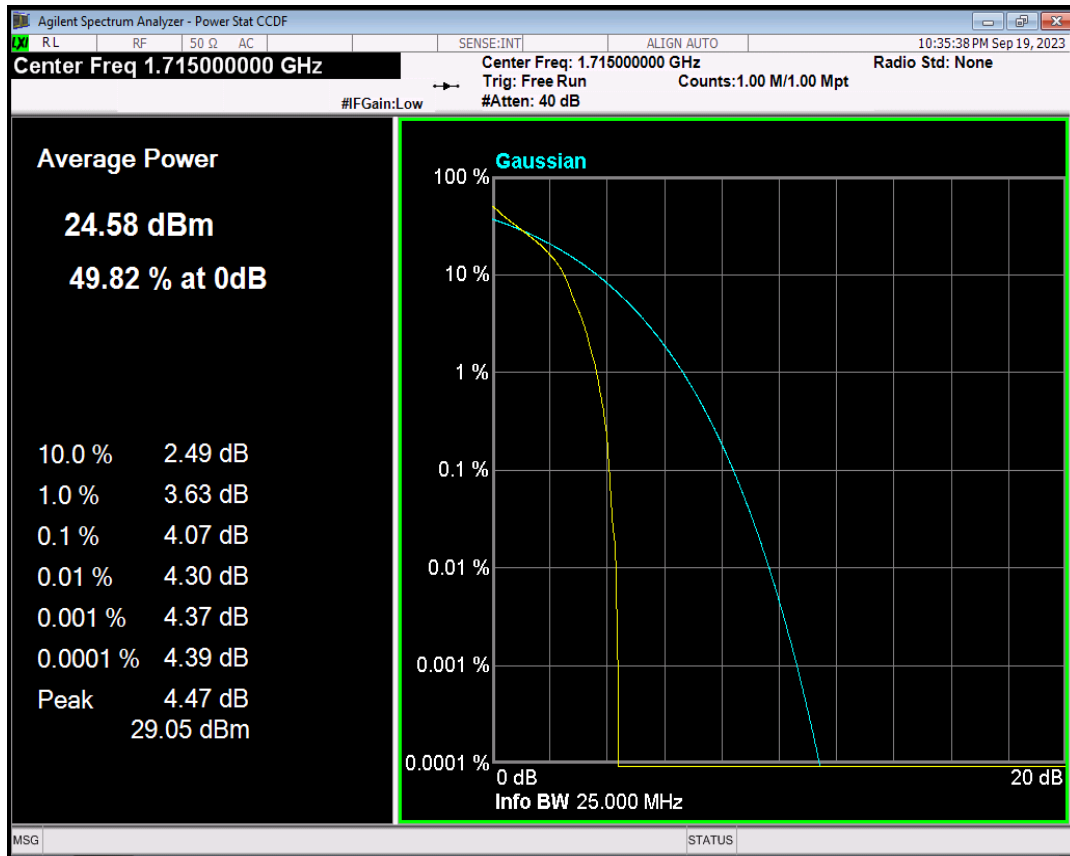


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

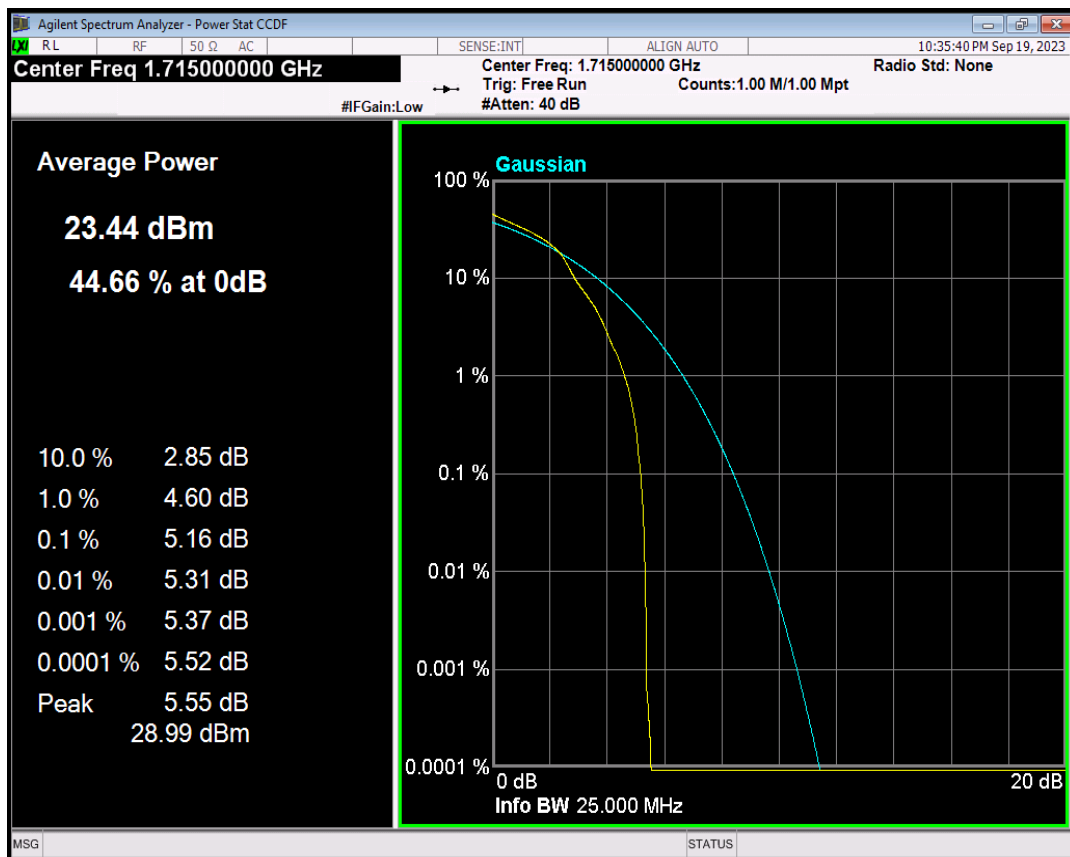




Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0

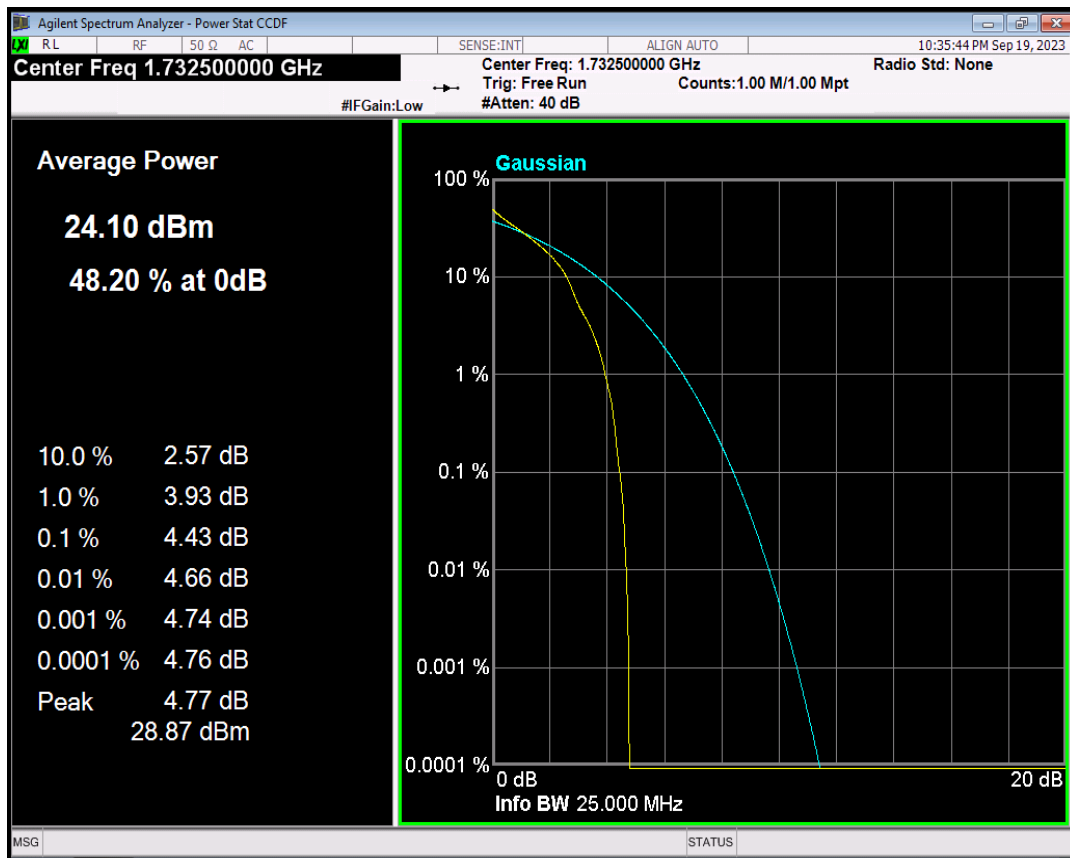


Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0

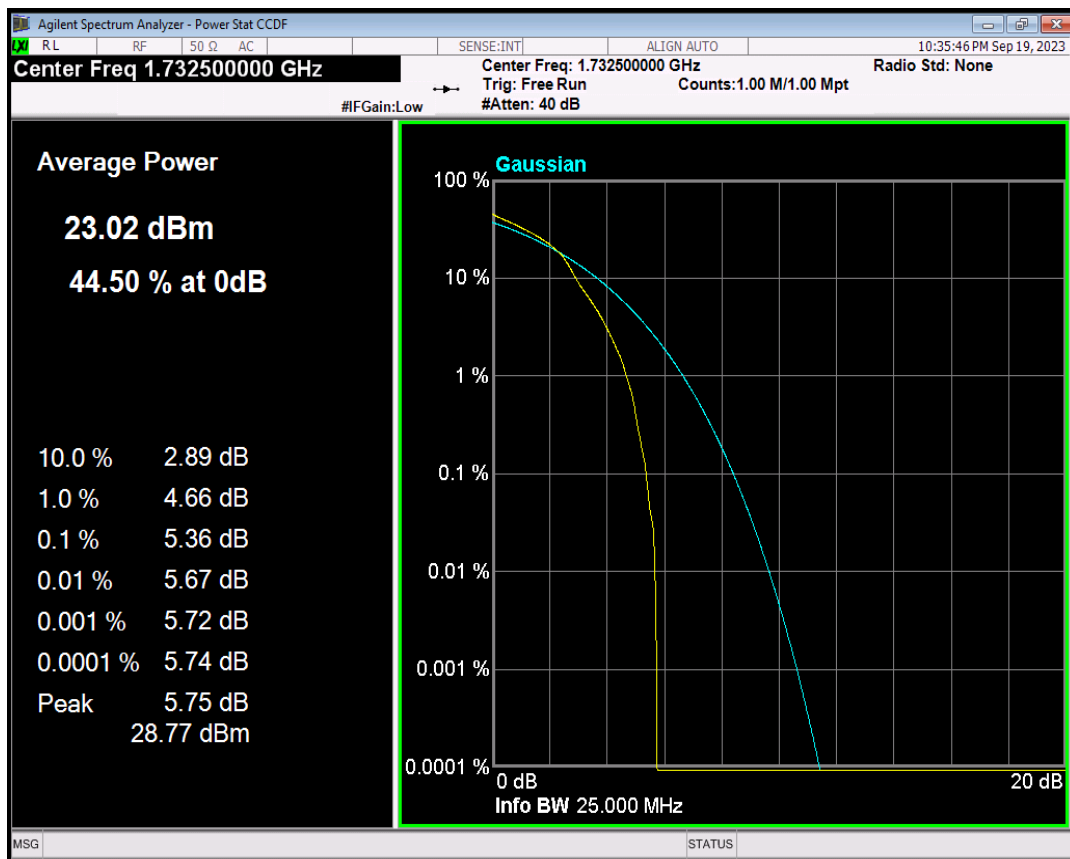




Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

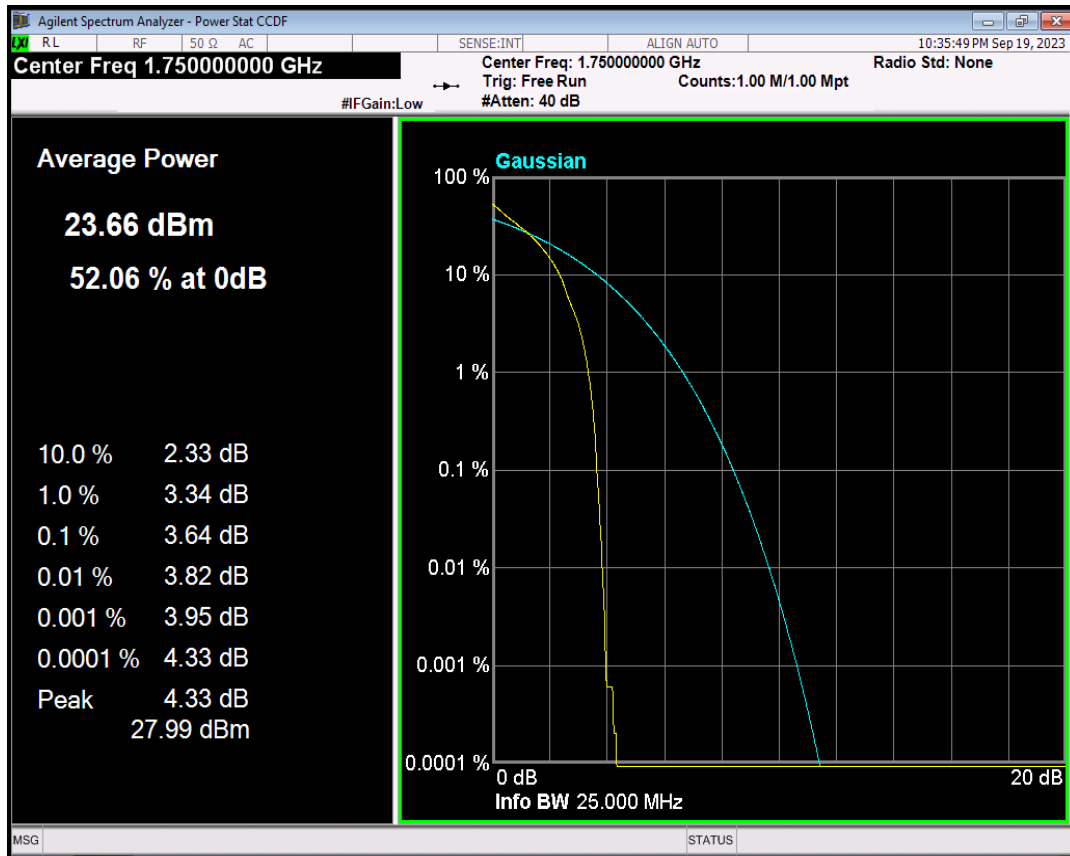


Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0

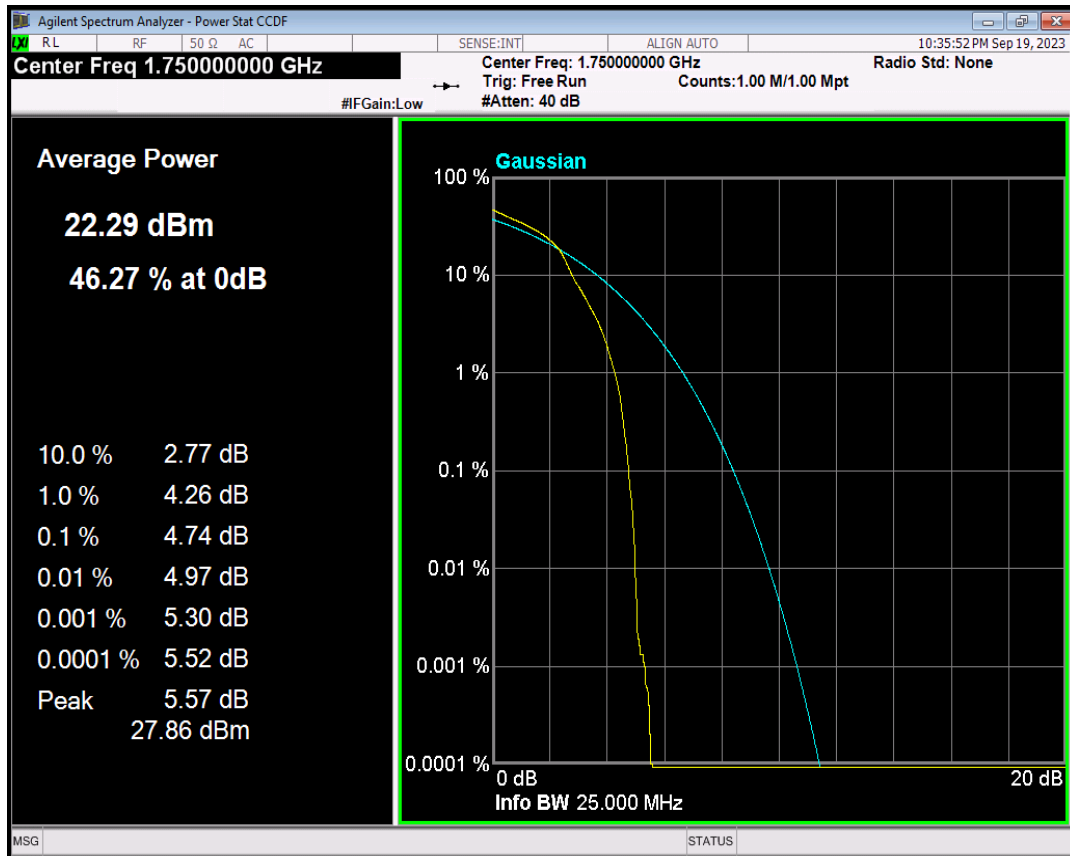




Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0

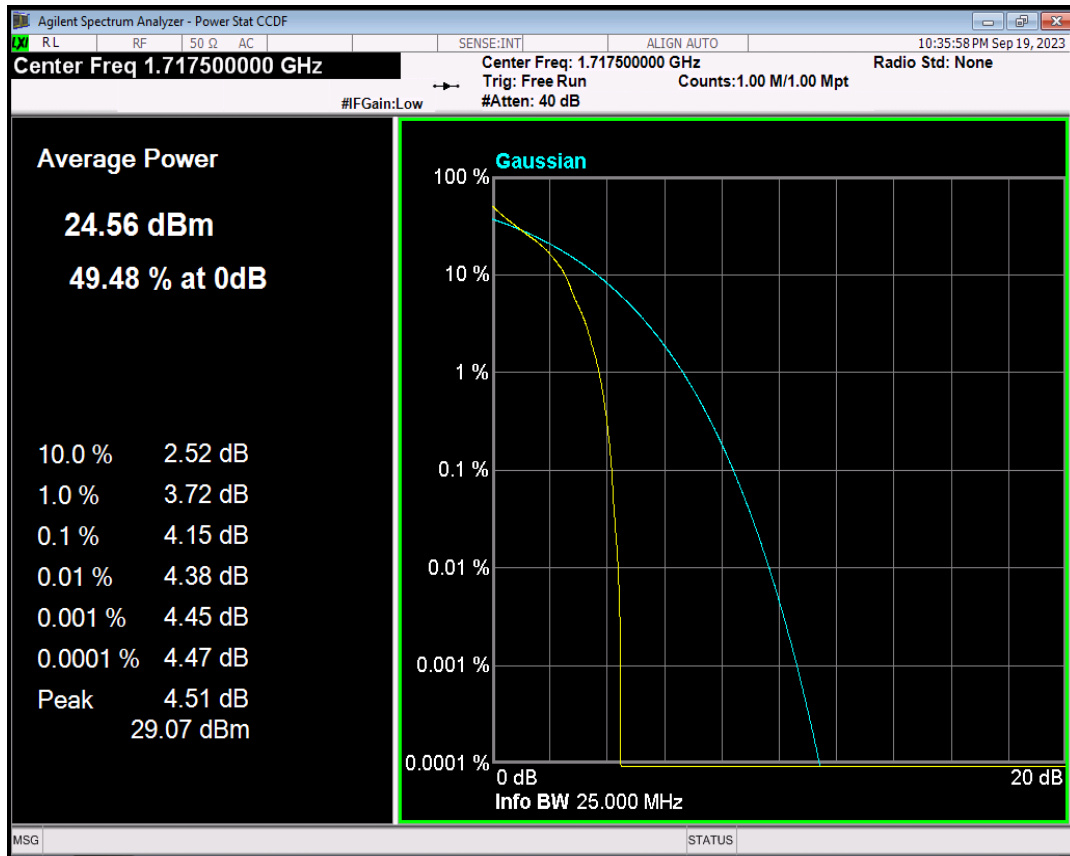


Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0

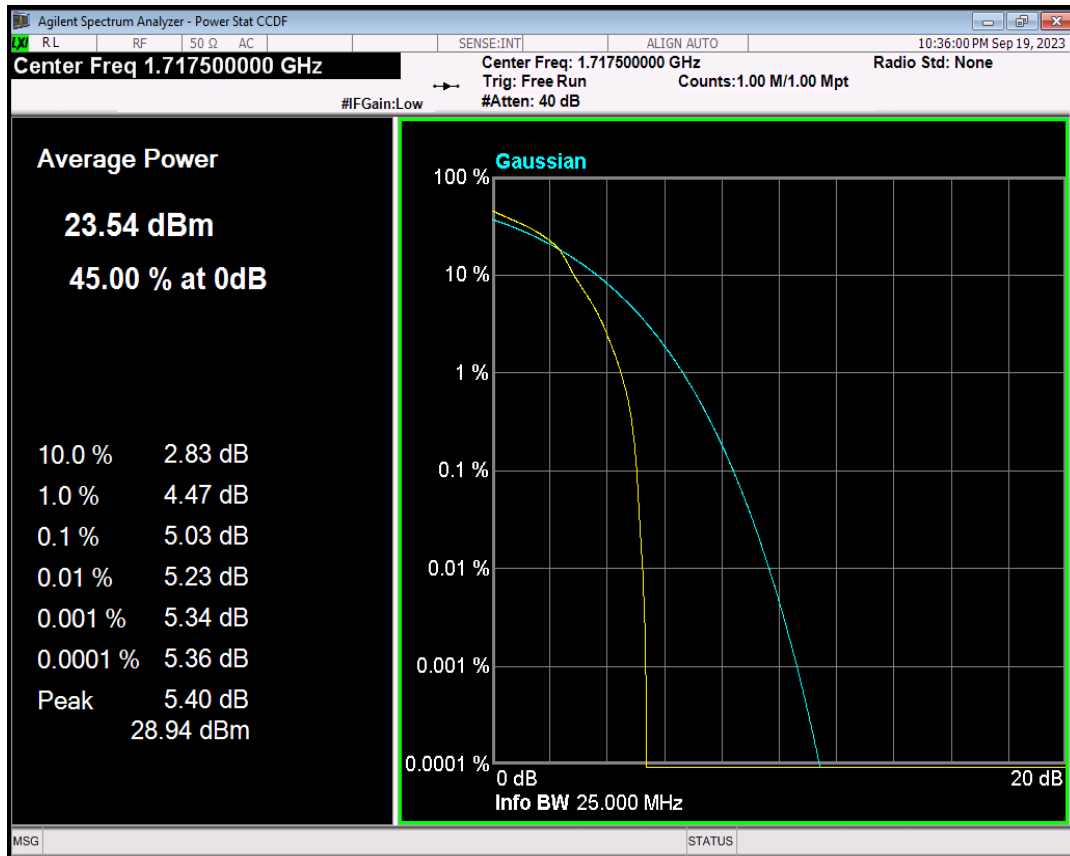




Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0

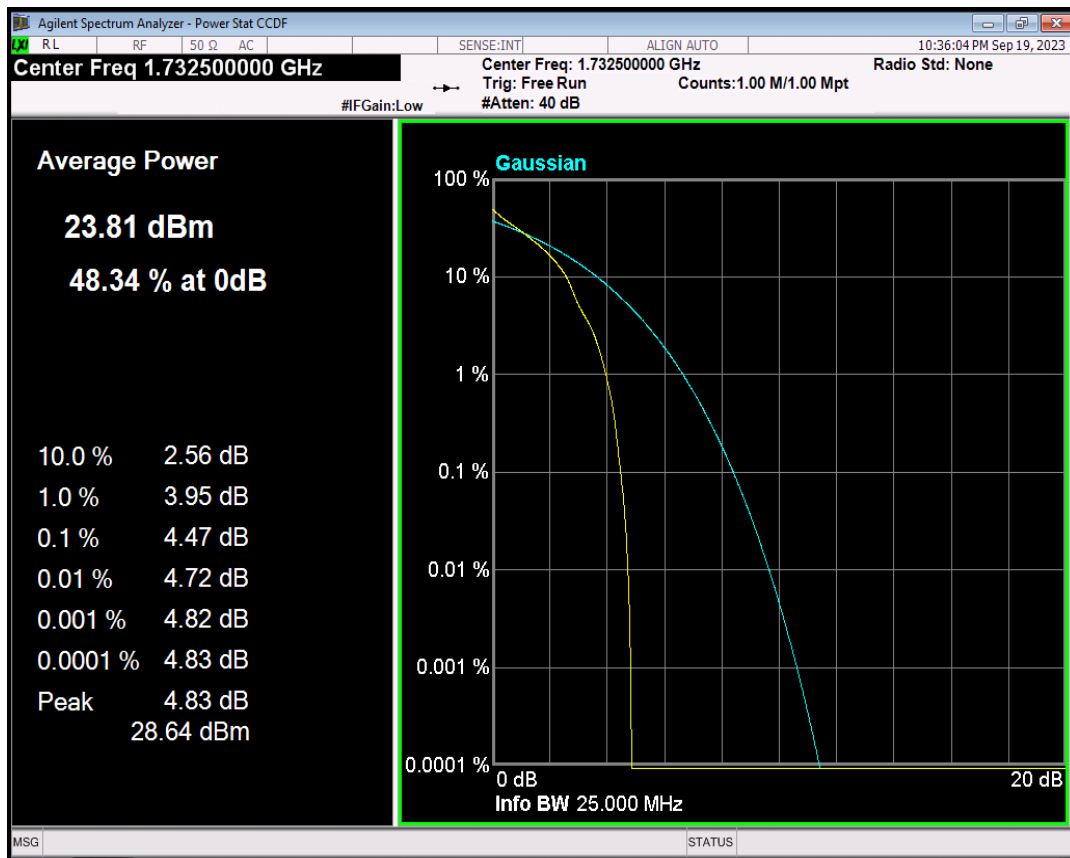


Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

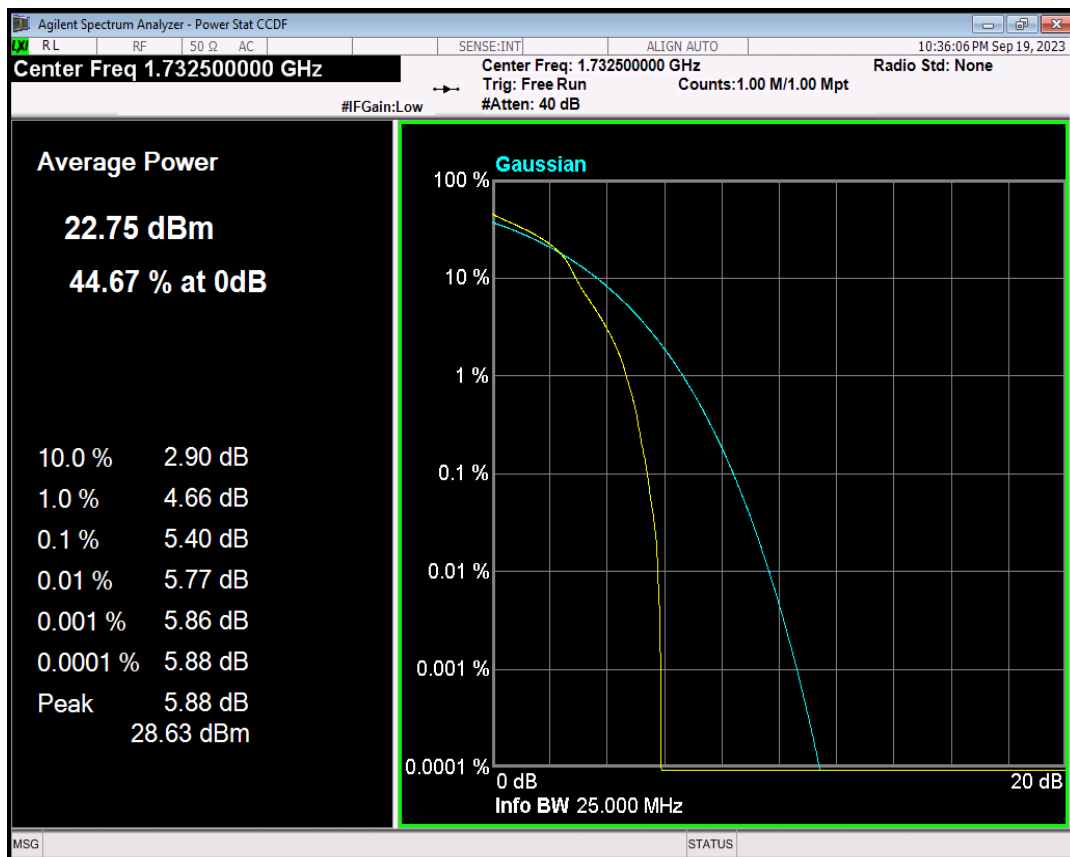




Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

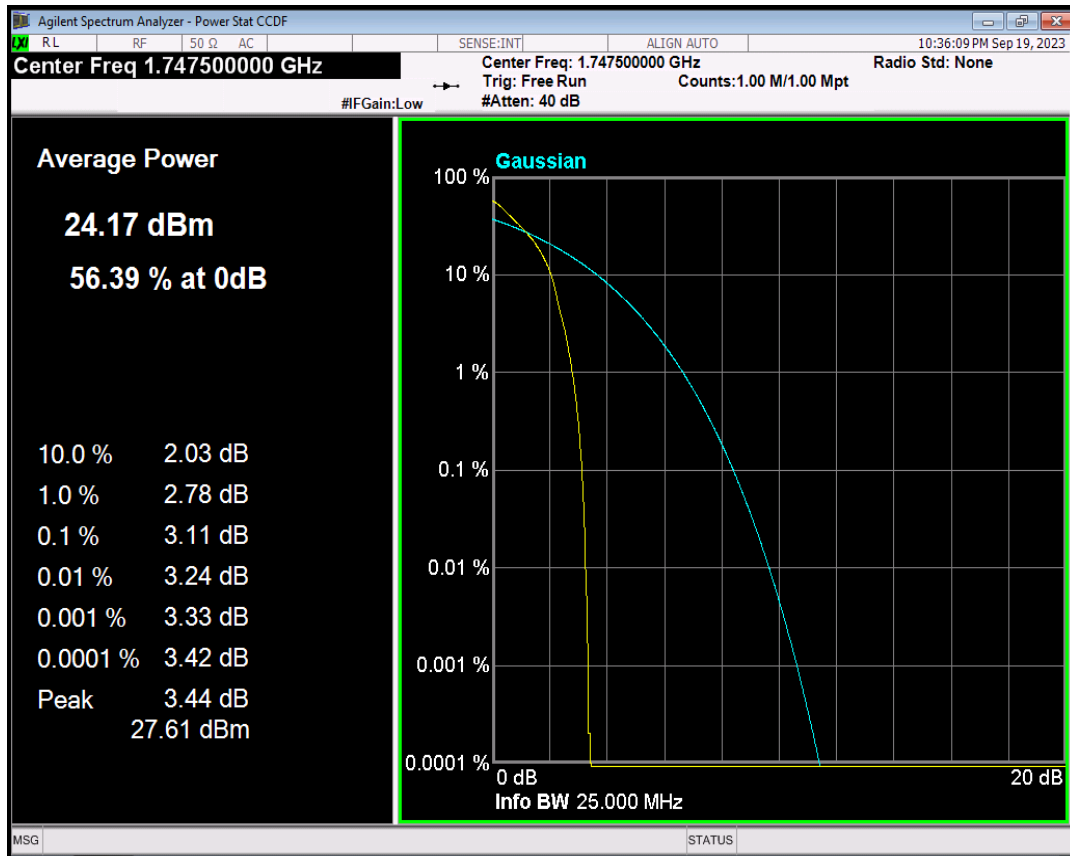


Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0

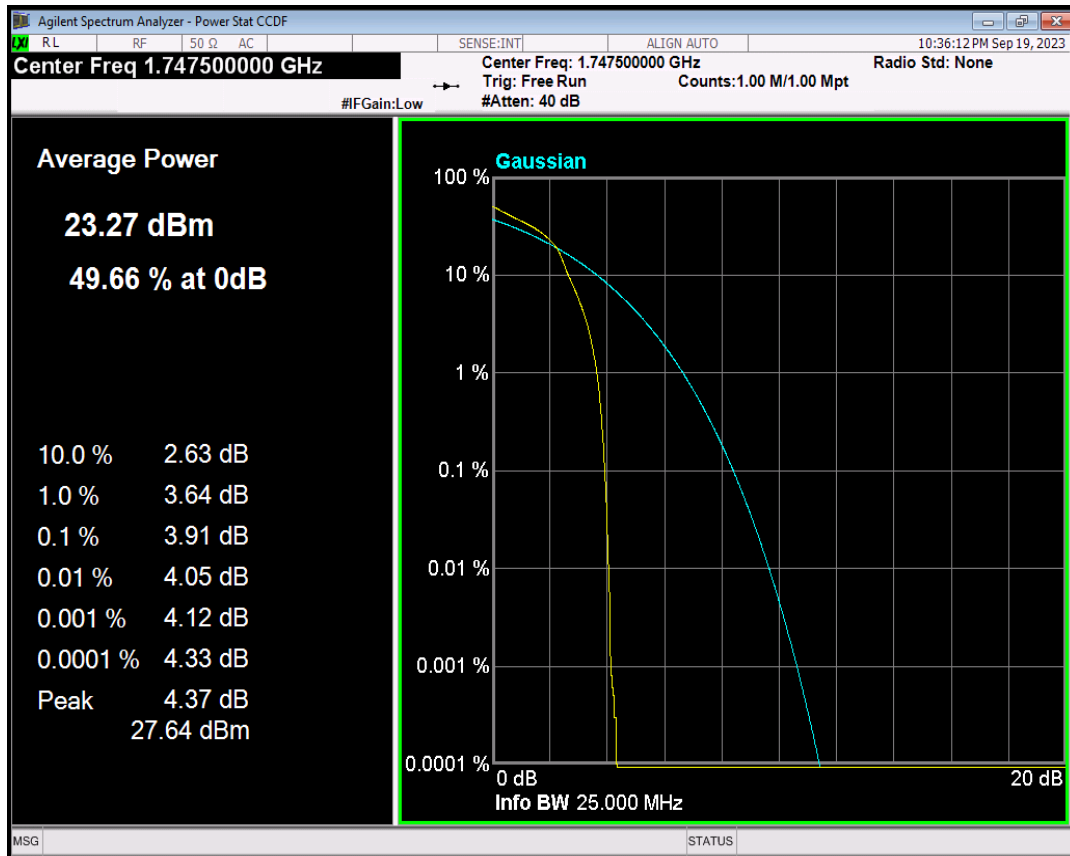




Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0

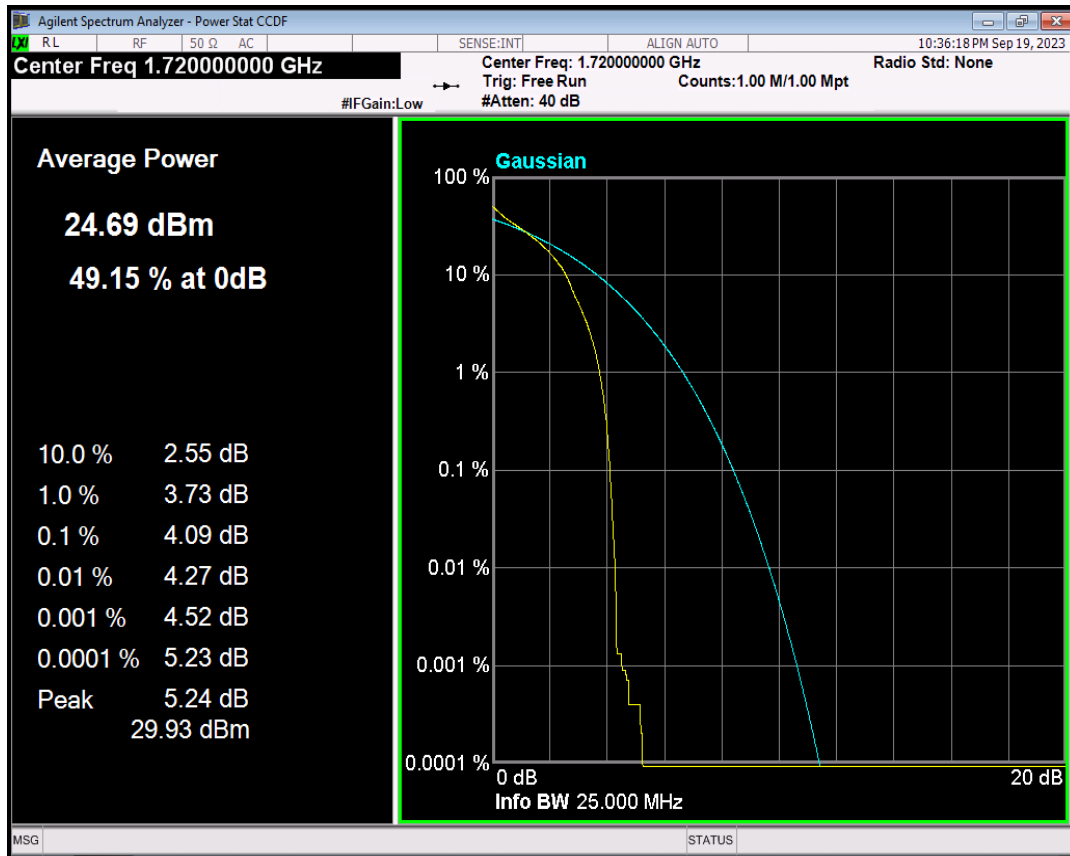


Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0

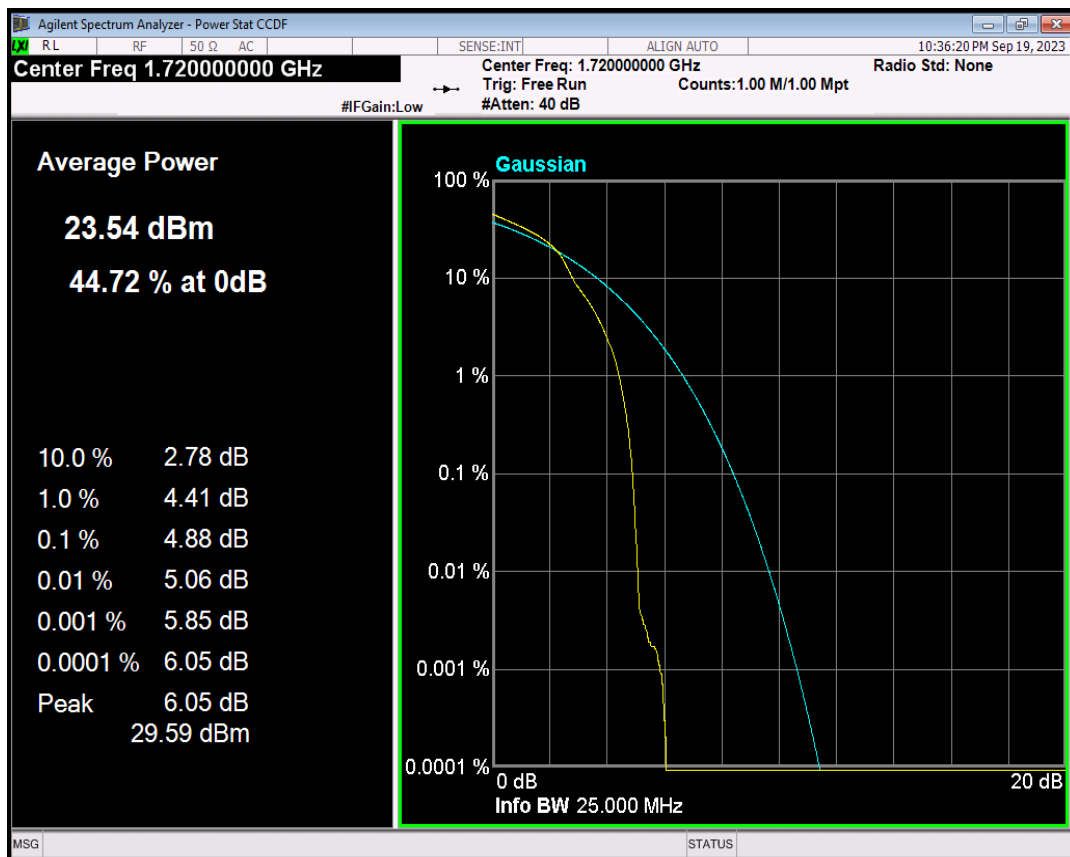




Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0

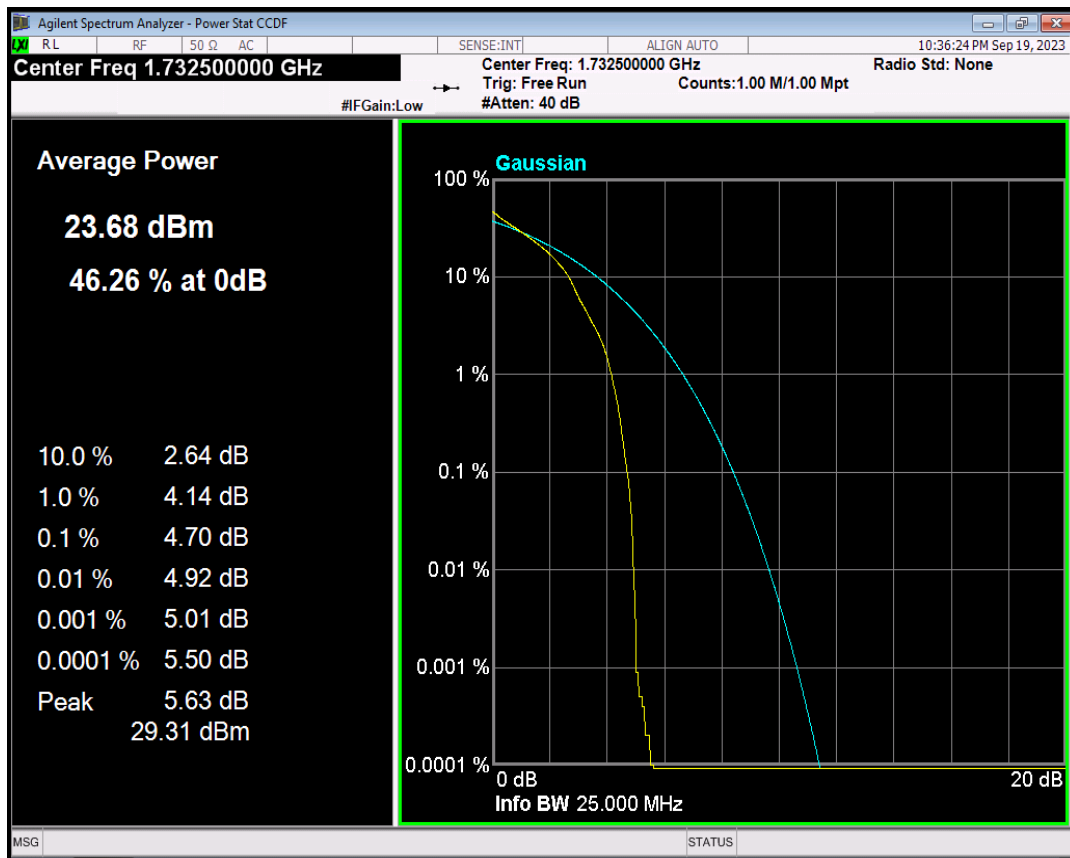


Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0

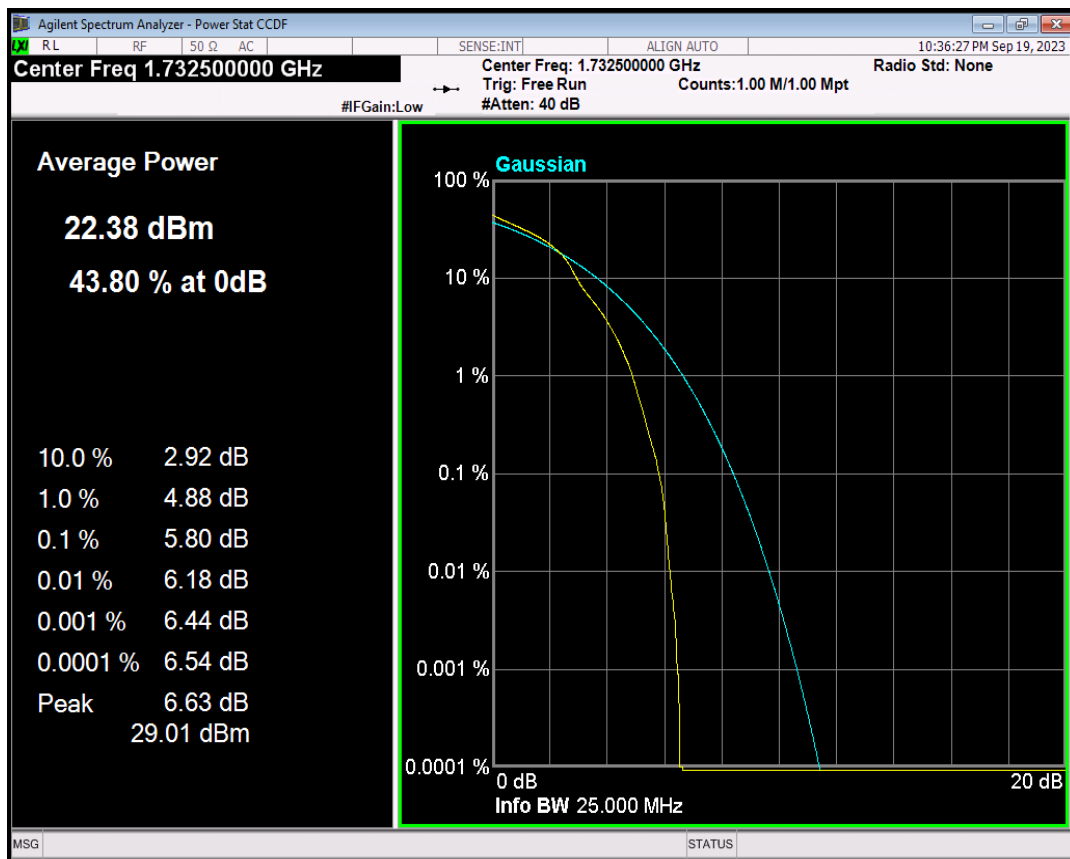




Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

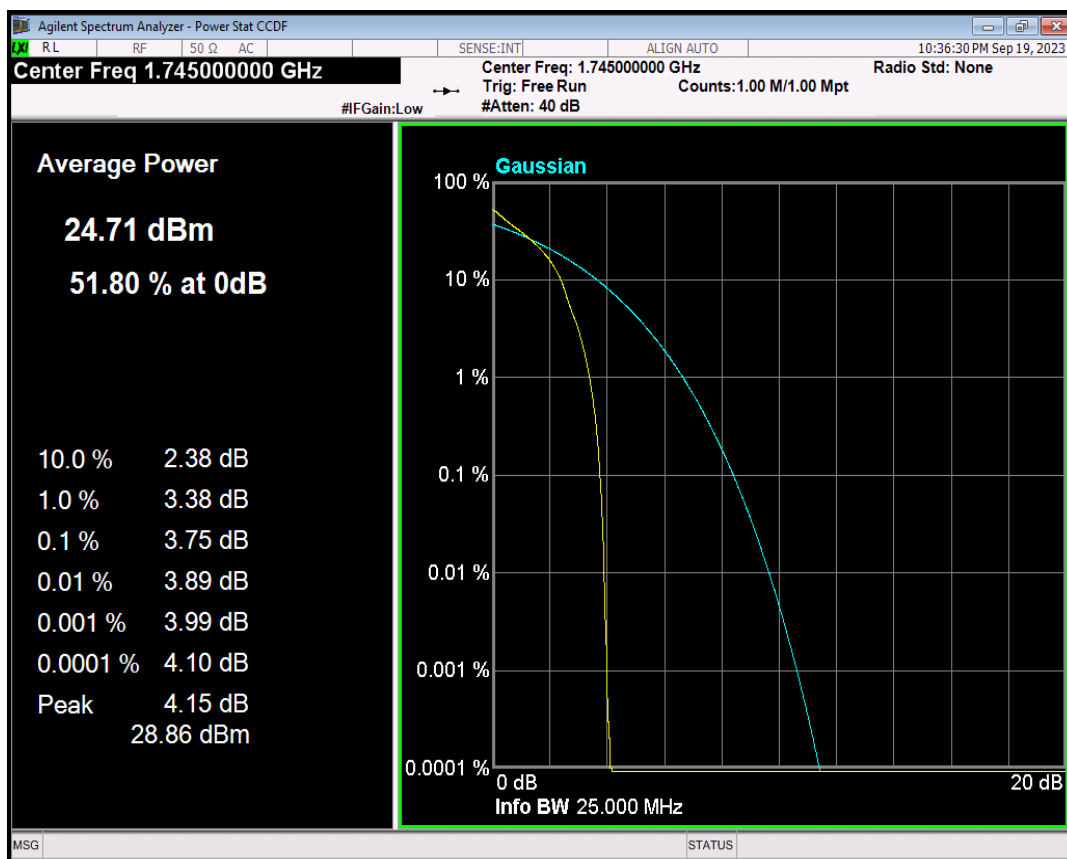


Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0

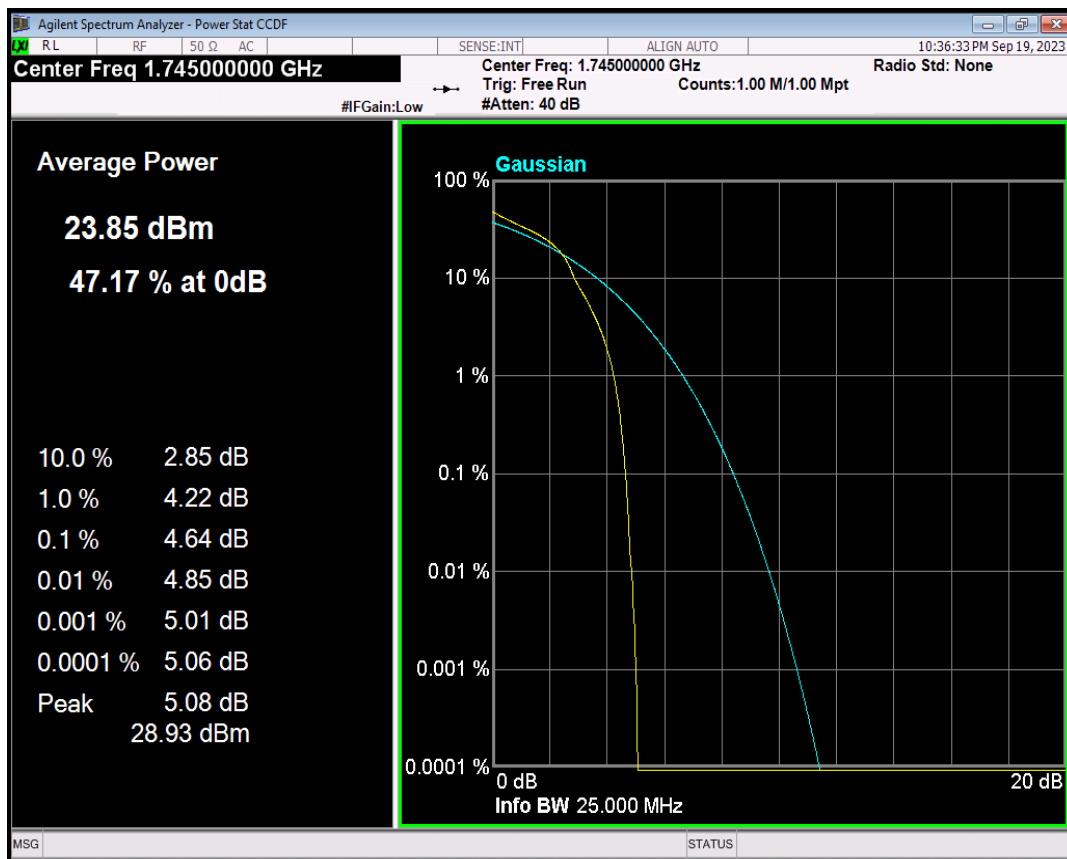




Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



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

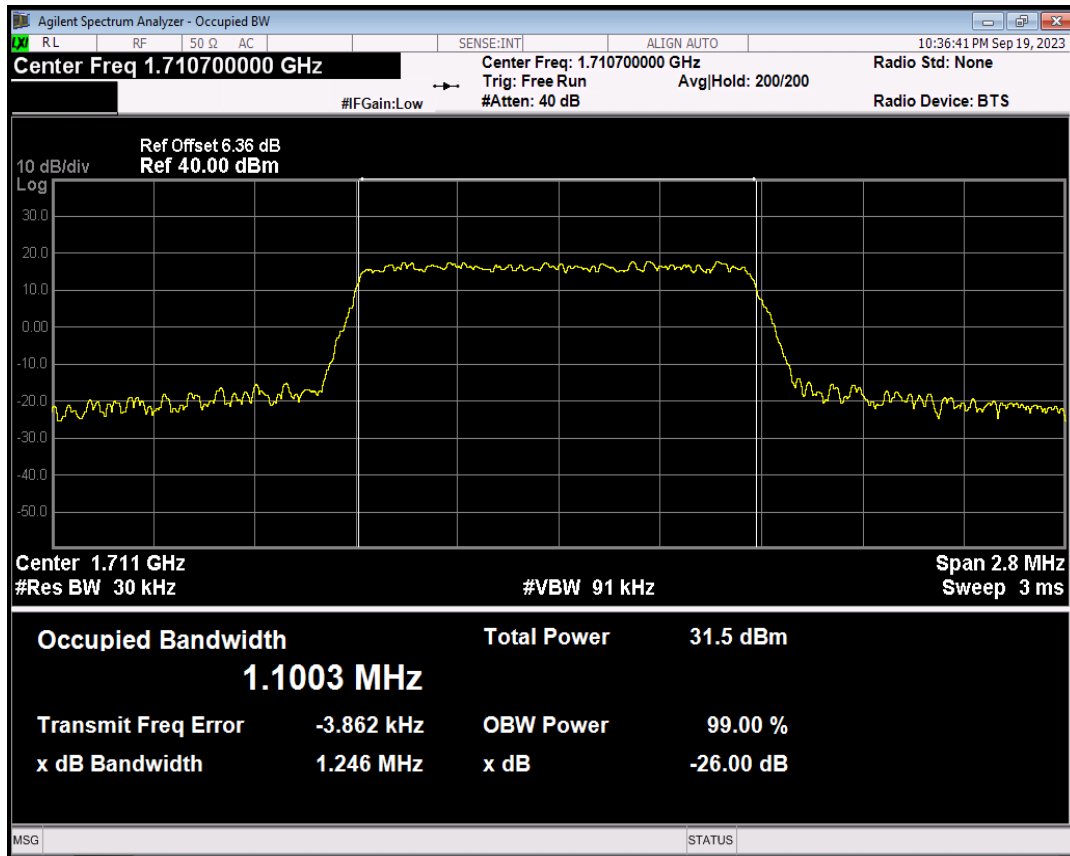


Appendix 4. Occupied bandwidth

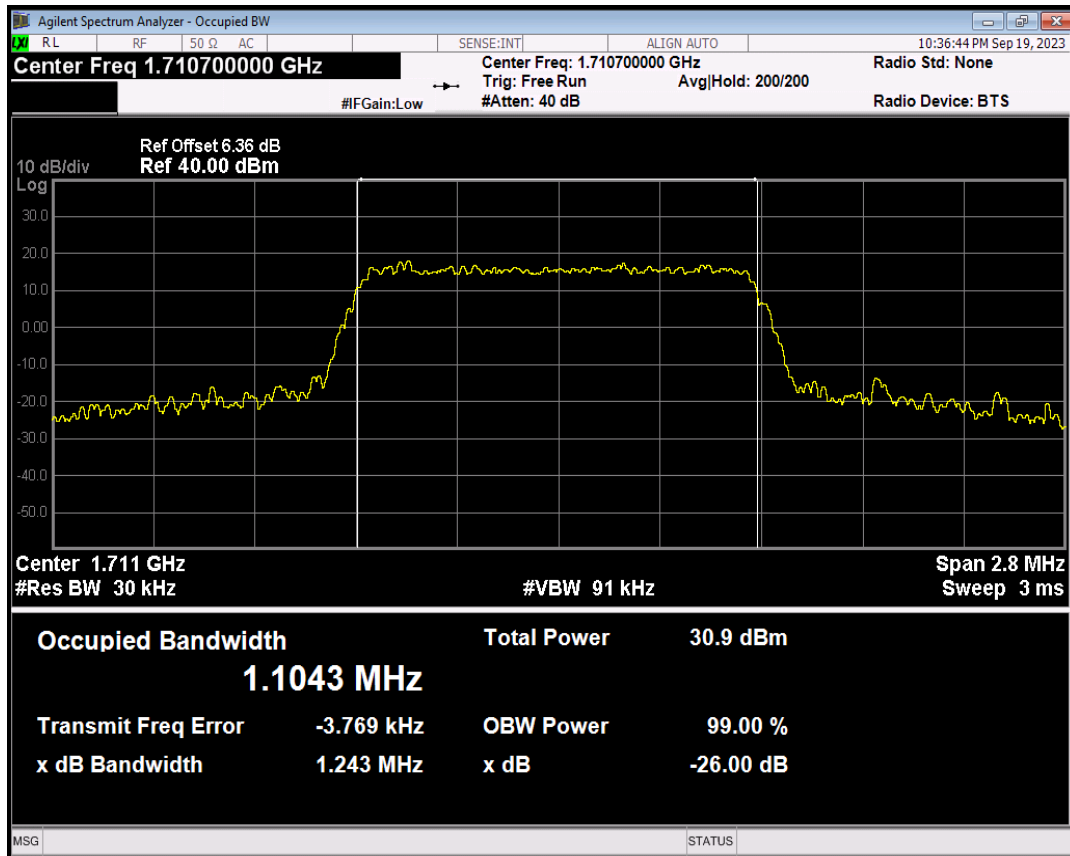
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.100	1.246	PASS
Band4	1.4	19957	6	#0	16QAM	1.104	1.243	PASS
Band4	1.4	20175	6	#0	QPSK	1.099	1.244	PASS
Band4	1.4	20175	6	#0	16QAM	1.099	1.248	PASS
Band4	1.4	20393	6	#0	QPSK	1.100	1.239	PASS
Band4	1.4	20393	6	#0	16QAM	1.096	1.237	PASS
Band4	3	19965	15	#0	QPSK	2.711	3.050	PASS
Band4	3	19965	15	#0	16QAM	2.707	3.077	PASS
Band4	3	20175	15	#0	QPSK	2.701	3.048	PASS
Band4	3	20175	15	#0	16QAM	2.709	3.036	PASS
Band4	3	20385	15	#0	QPSK	2.707	3.032	PASS
Band4	3	20385	15	#0	16QAM	2.716	3.041	PASS
Band4	5	19975	25	#0	QPSK	4.522	4.935	PASS
Band4	5	19975	25	#0	16QAM	4.517	4.945	PASS
Band4	5	20175	25	#0	QPSK	4.517	4.954	PASS
Band4	5	20175	25	#0	16QAM	4.522	4.922	PASS
Band4	5	20375	25	#0	QPSK	4.498	4.948	PASS
Band4	5	20375	25	#0	16QAM	4.551	5.013	PASS
Band4	10	20000	50	#0	QPSK	8.990	9.900	PASS
Band4	10	20000	50	#0	16QAM	9.009	9.763	PASS
Band4	10	20175	50	#0	QPSK	8.977	9.855	PASS
Band4	10	20175	50	#0	16QAM	8.991	9.850	PASS
Band4	10	20350	50	#0	QPSK	9.010	9.958	PASS
Band4	10	20350	50	#0	16QAM	9.017	9.886	PASS
Band4	15	20025	75	#0	QPSK	13.486	14.939	PASS
Band4	15	20025	75	#0	16QAM	13.482	14.820	PASS
Band4	15	20175	75	#0	QPSK	13.461	14.733	PASS
Band4	15	20175	75	#0	16QAM	13.484	14.862	PASS
Band4	15	20325	75	#0	QPSK	13.466	14.751	PASS
Band4	15	20325	75	#0	16QAM	13.466	14.751	PASS
Band4	20	20050	100	#0	QPSK	17.999	19.674	PASS
Band4	20	20050	100	#0	16QAM	18.097	19.737	PASS
Band4	20	20175	100	#0	QPSK	17.961	19.569	PASS
Band4	20	20175	100	#0	16QAM	17.989	19.711	PASS
Band4	20	20300	100	#0	QPSK	17.979	19.474	PASS
Band4	20	20300	100	#0	16QAM	18.039	19.805	PASS



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

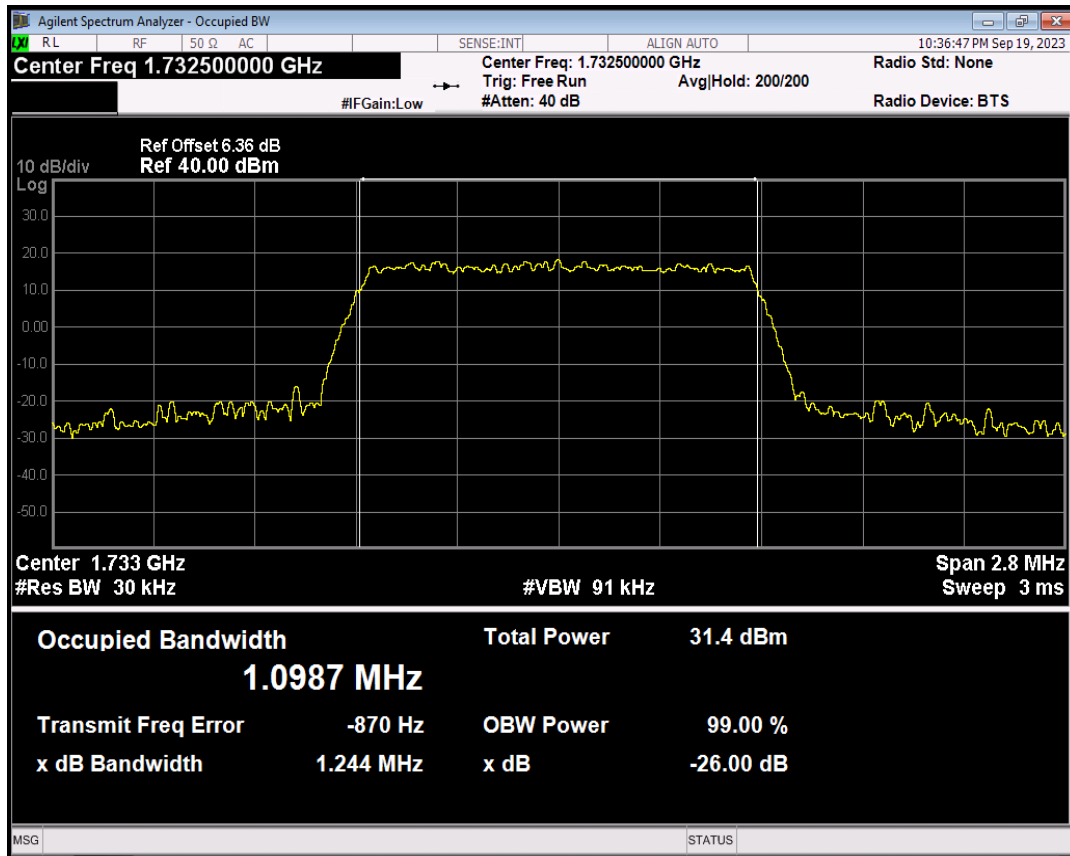


Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0

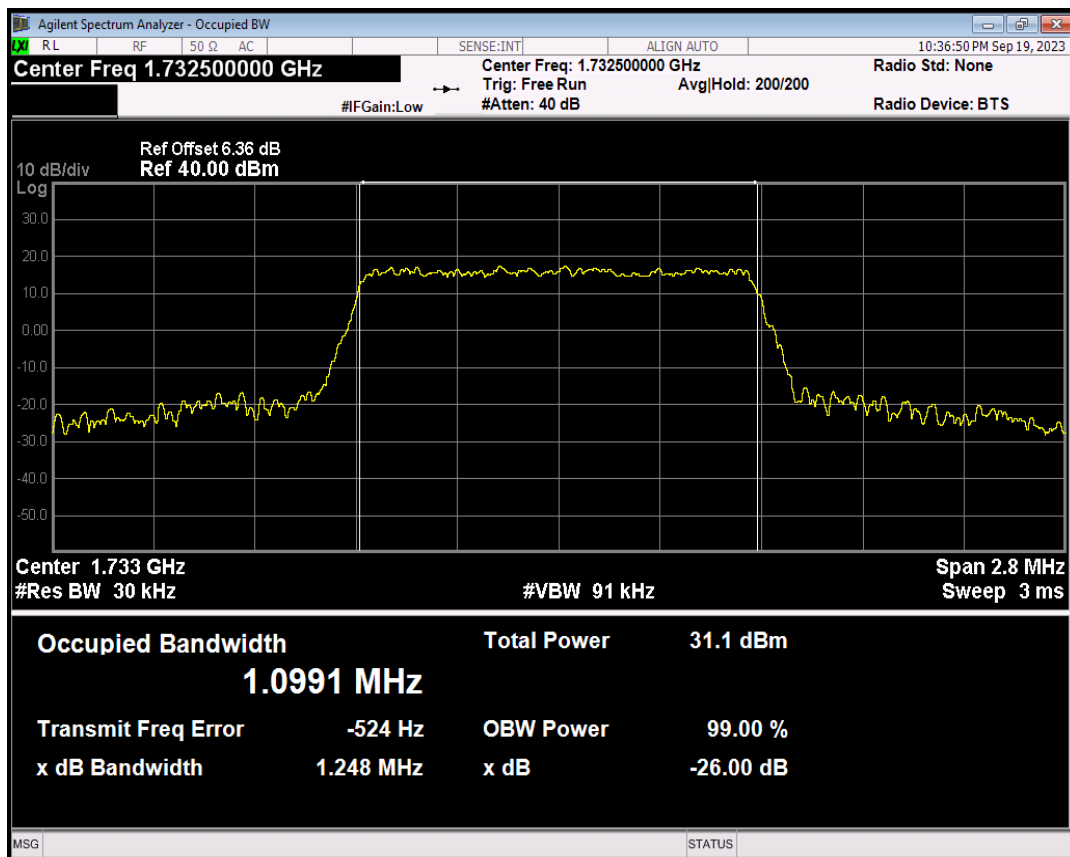




Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

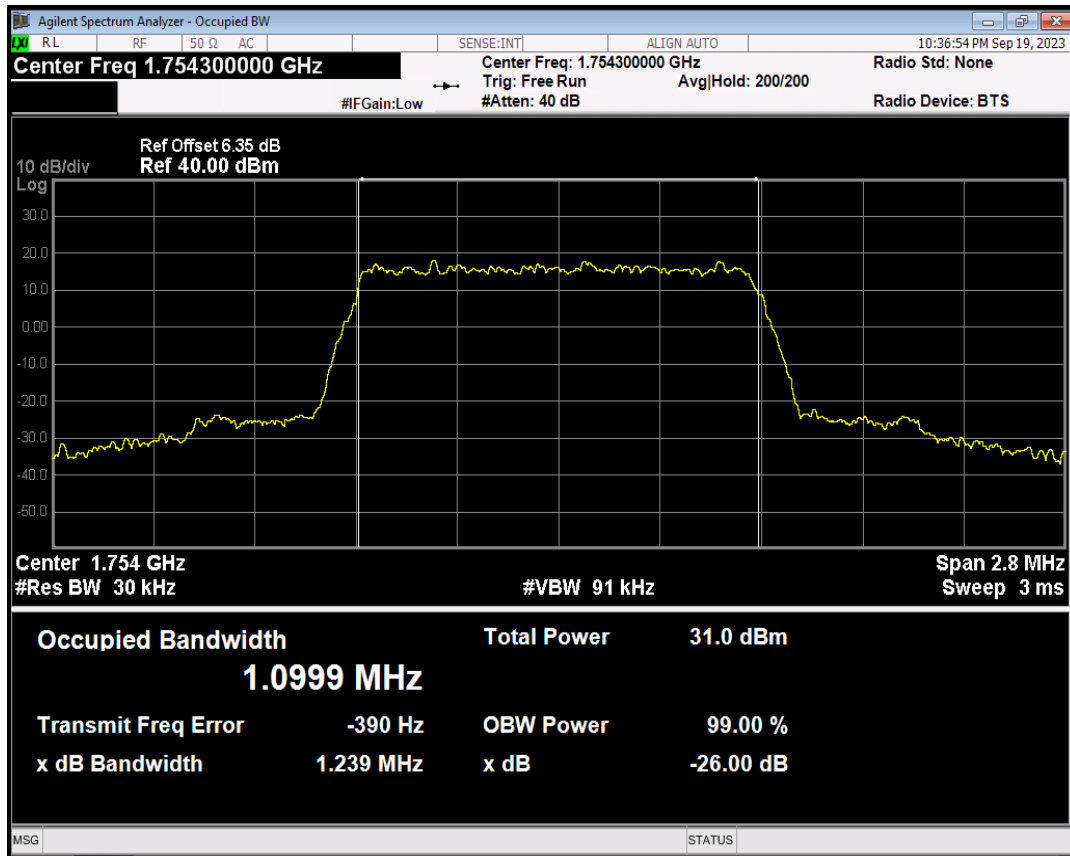


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0

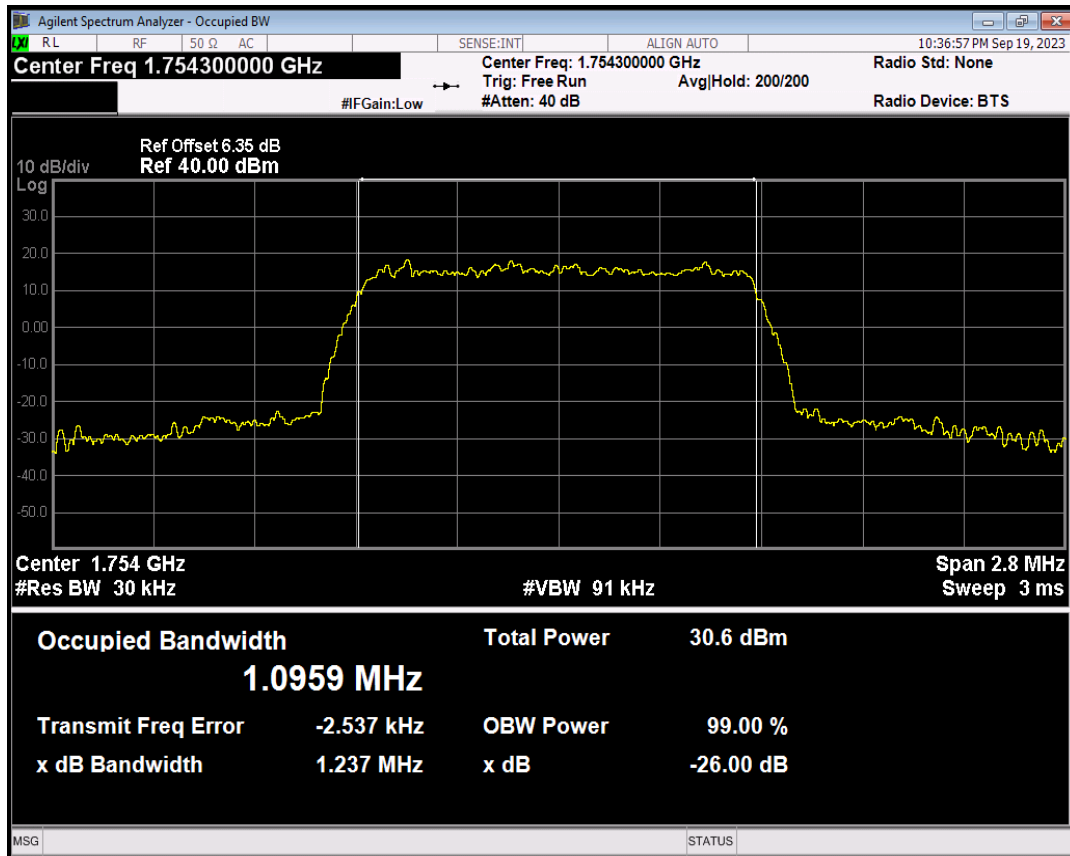




Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

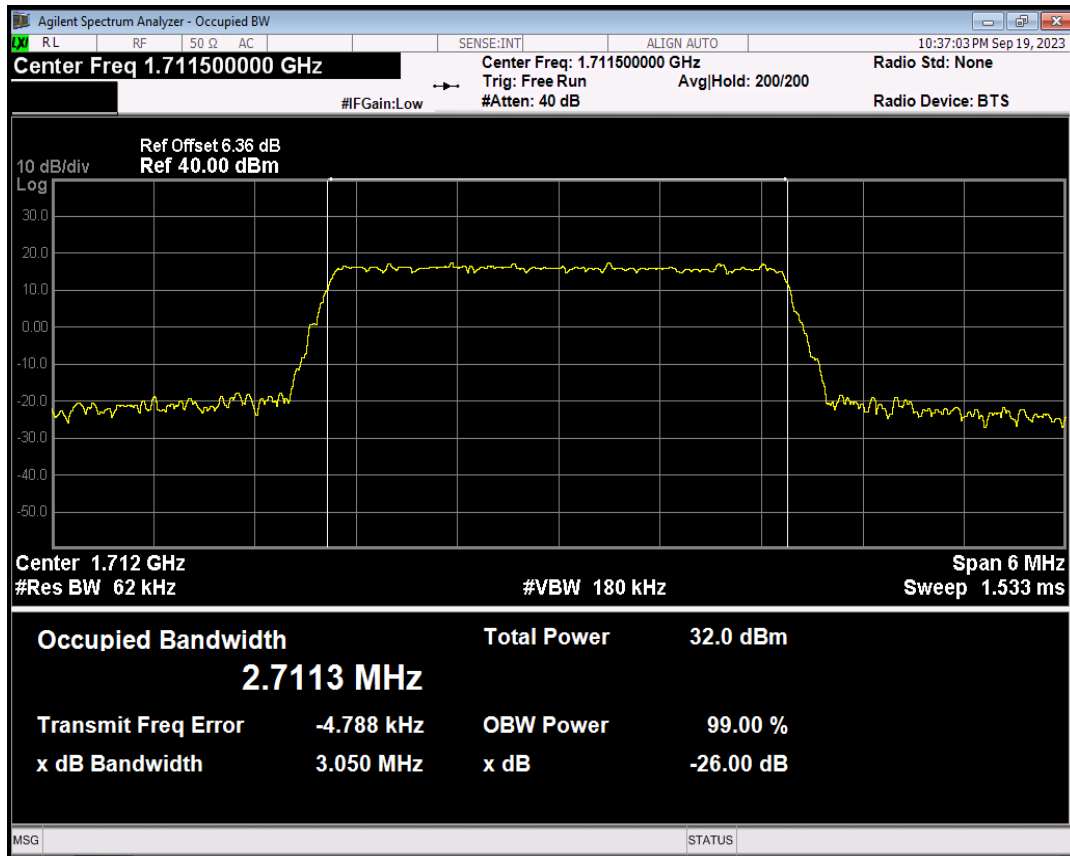


Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0

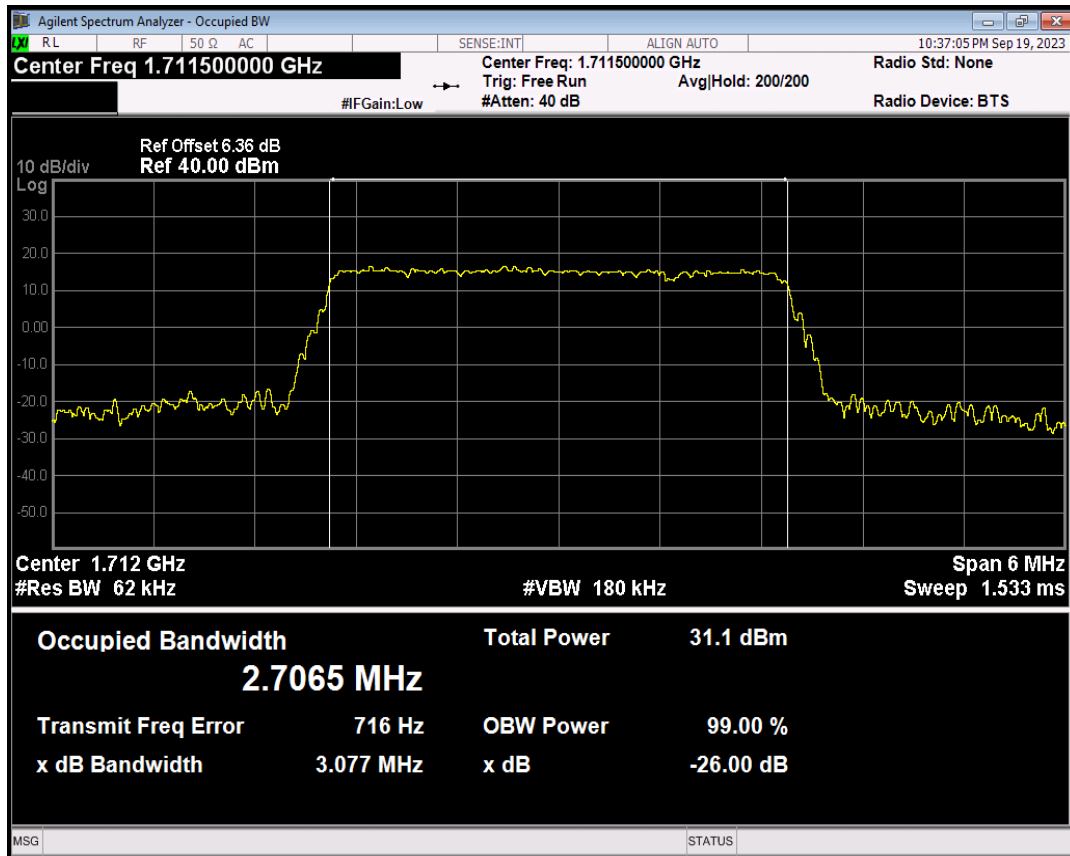




Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

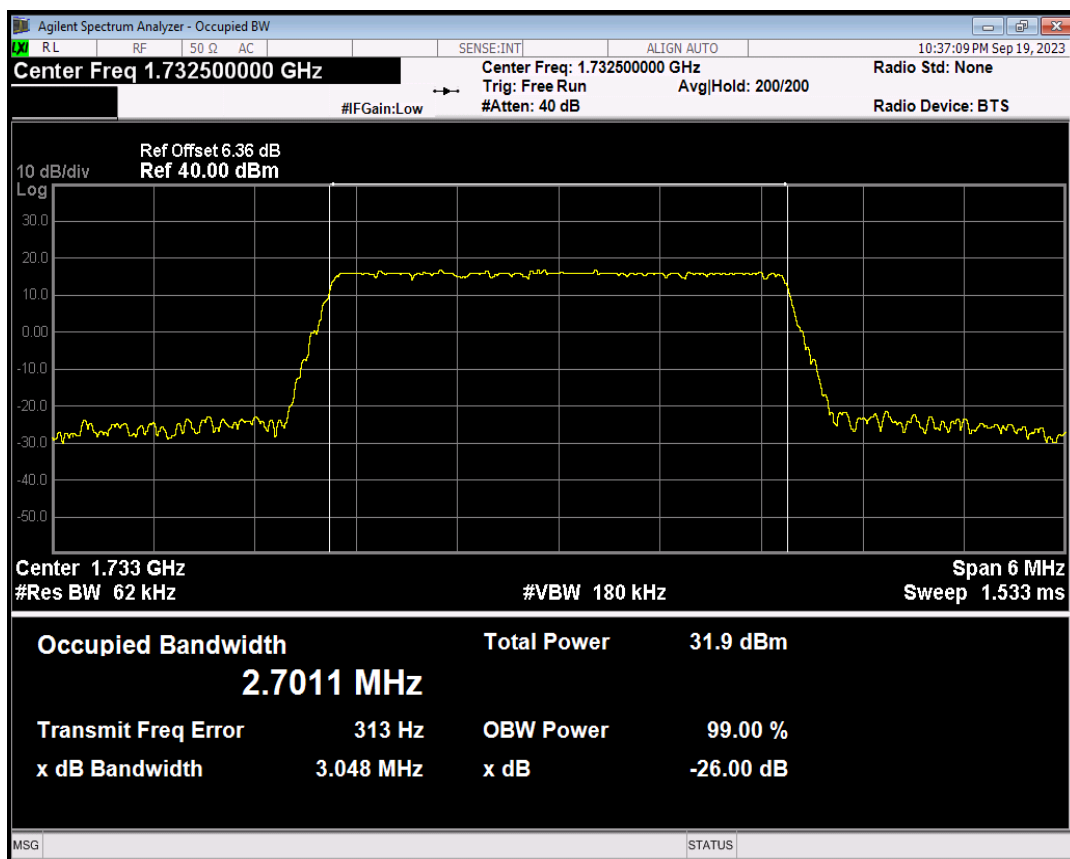


Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0

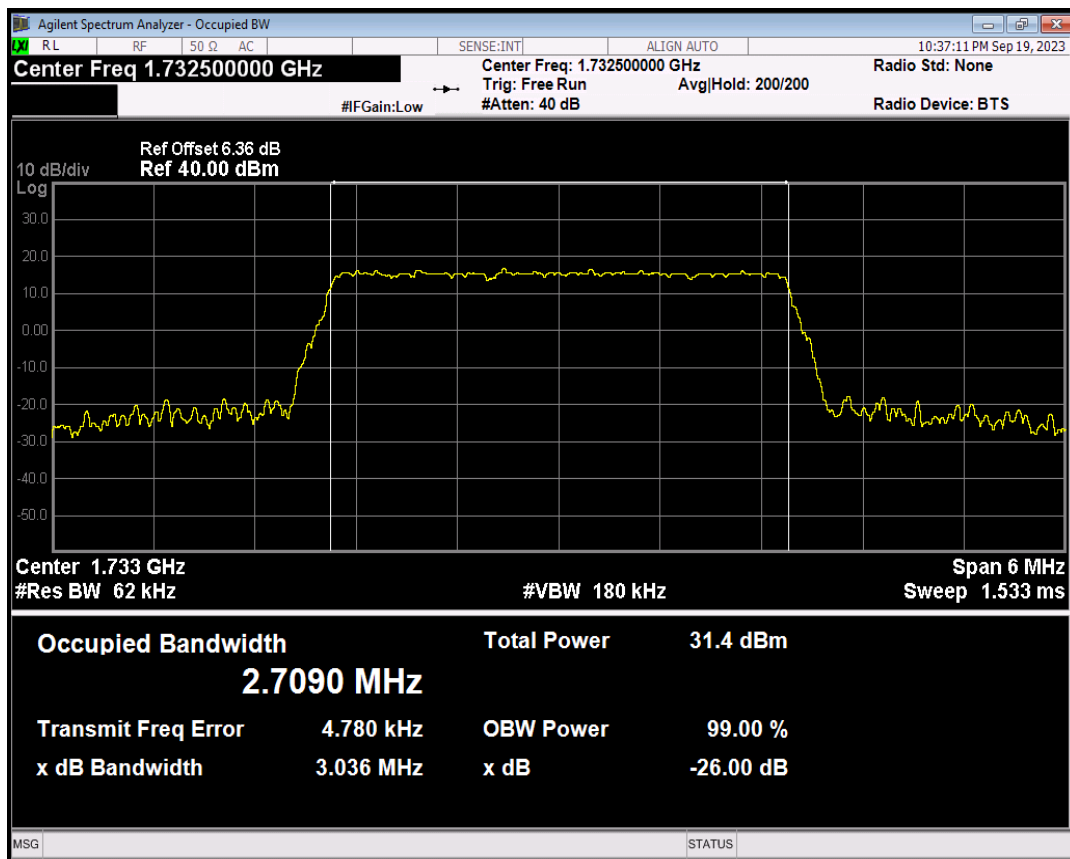




Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0

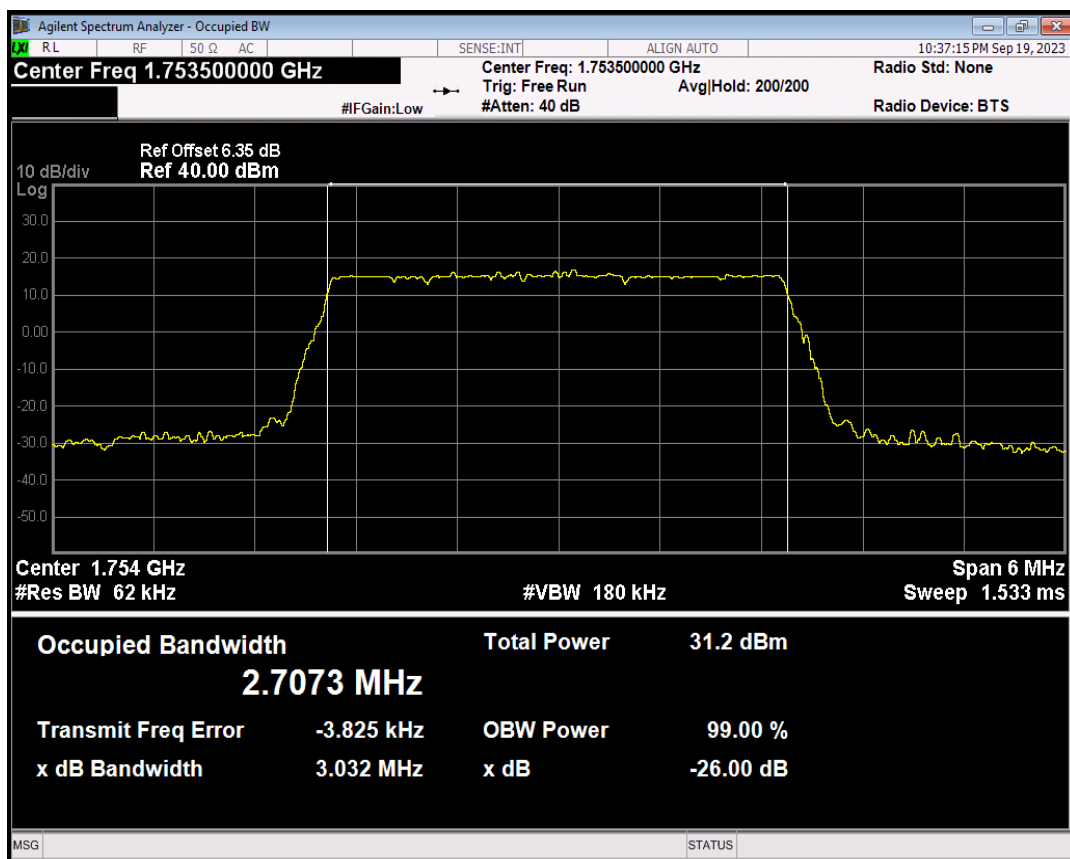


Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0

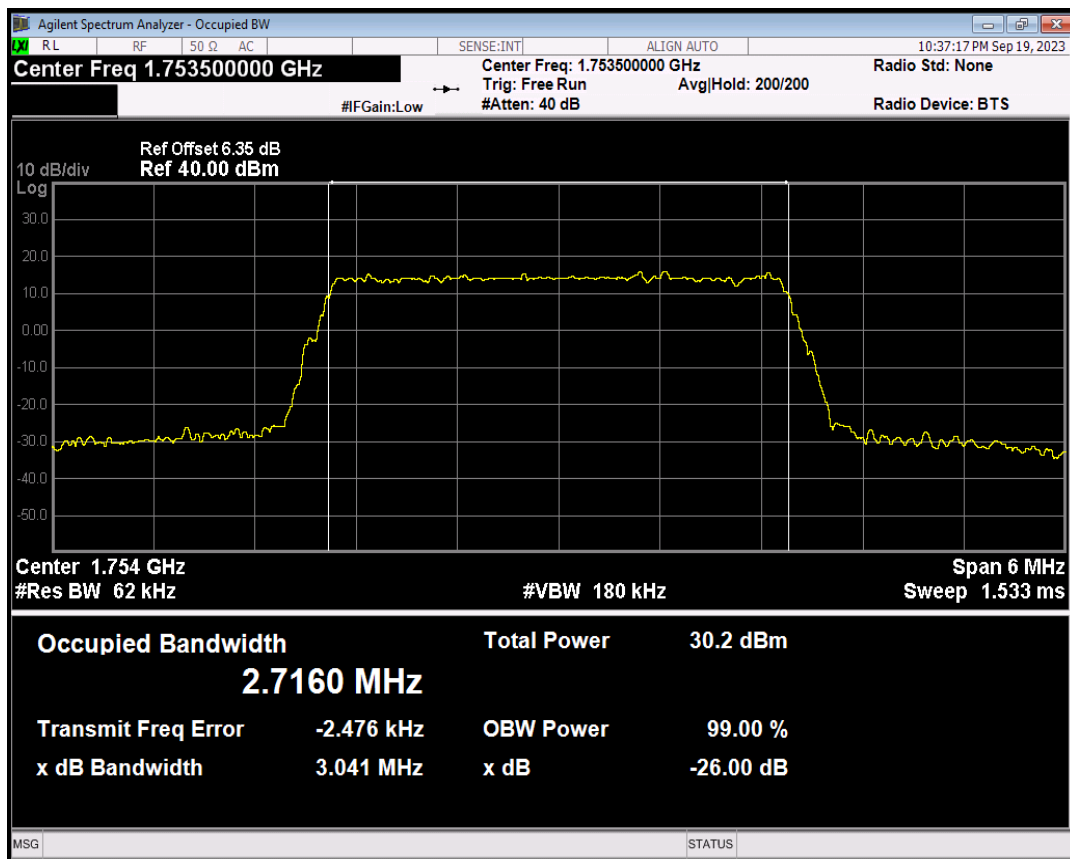




Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

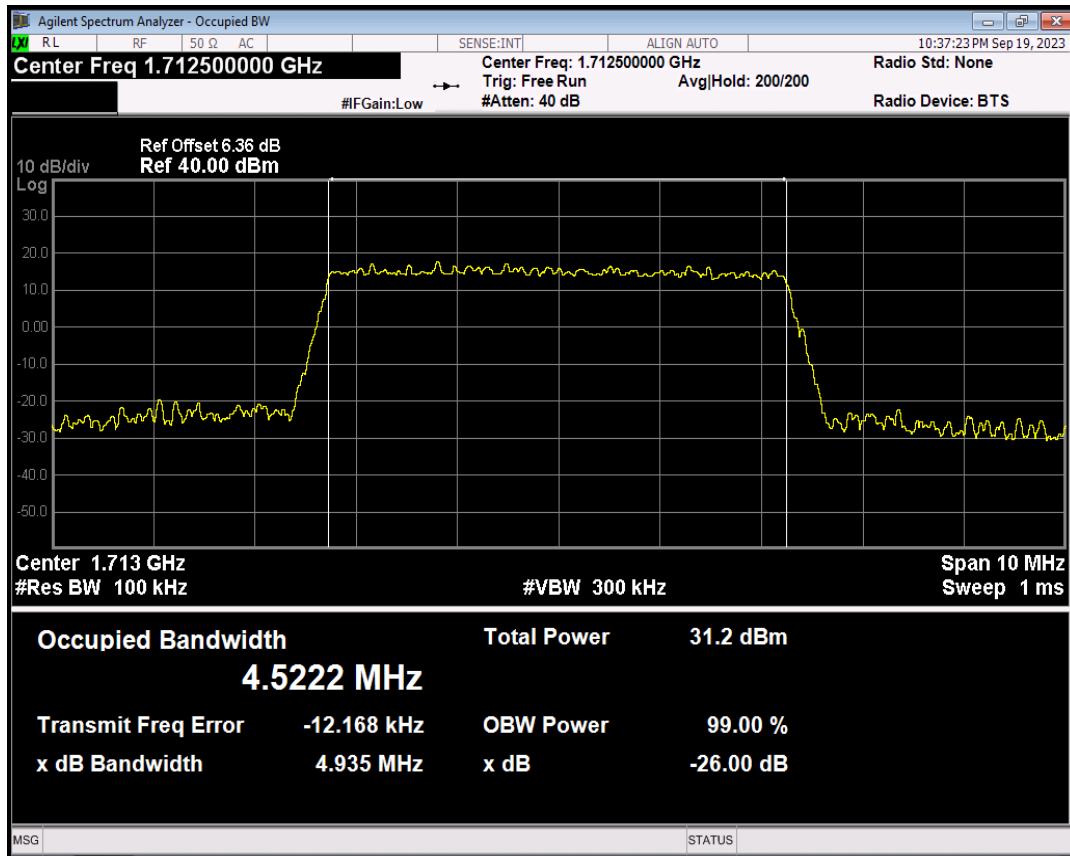


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

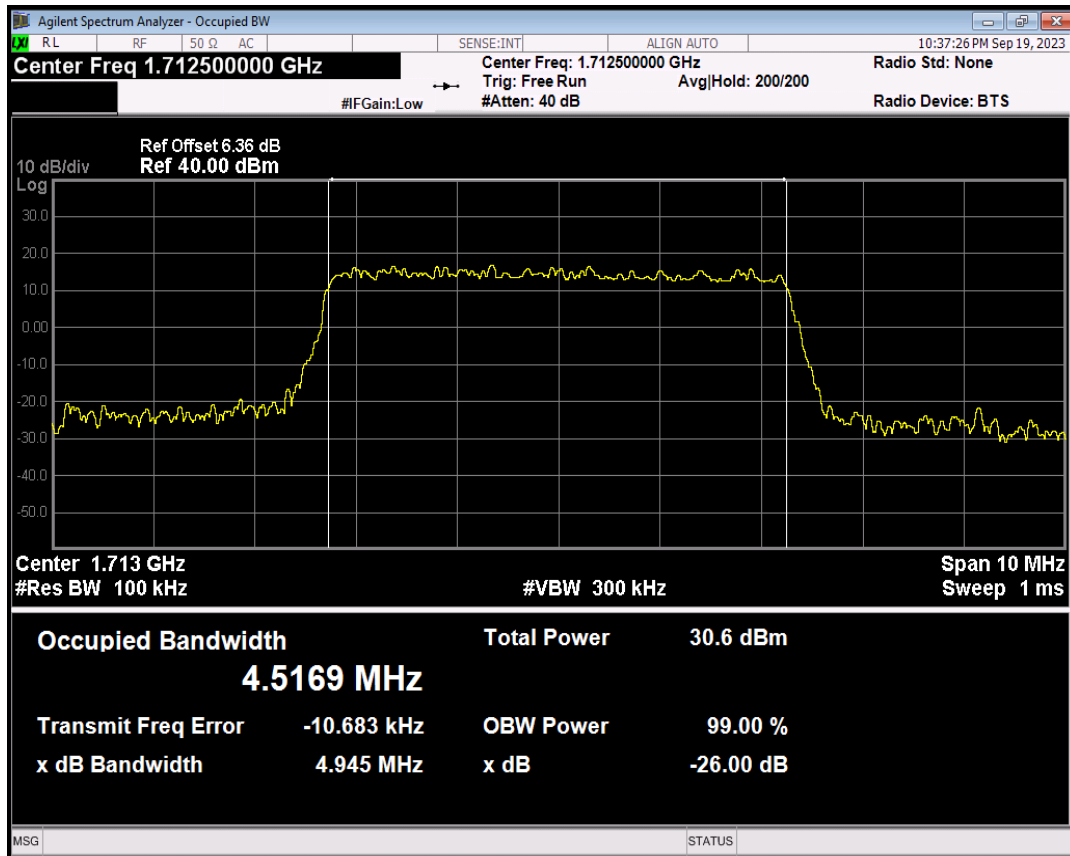




Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

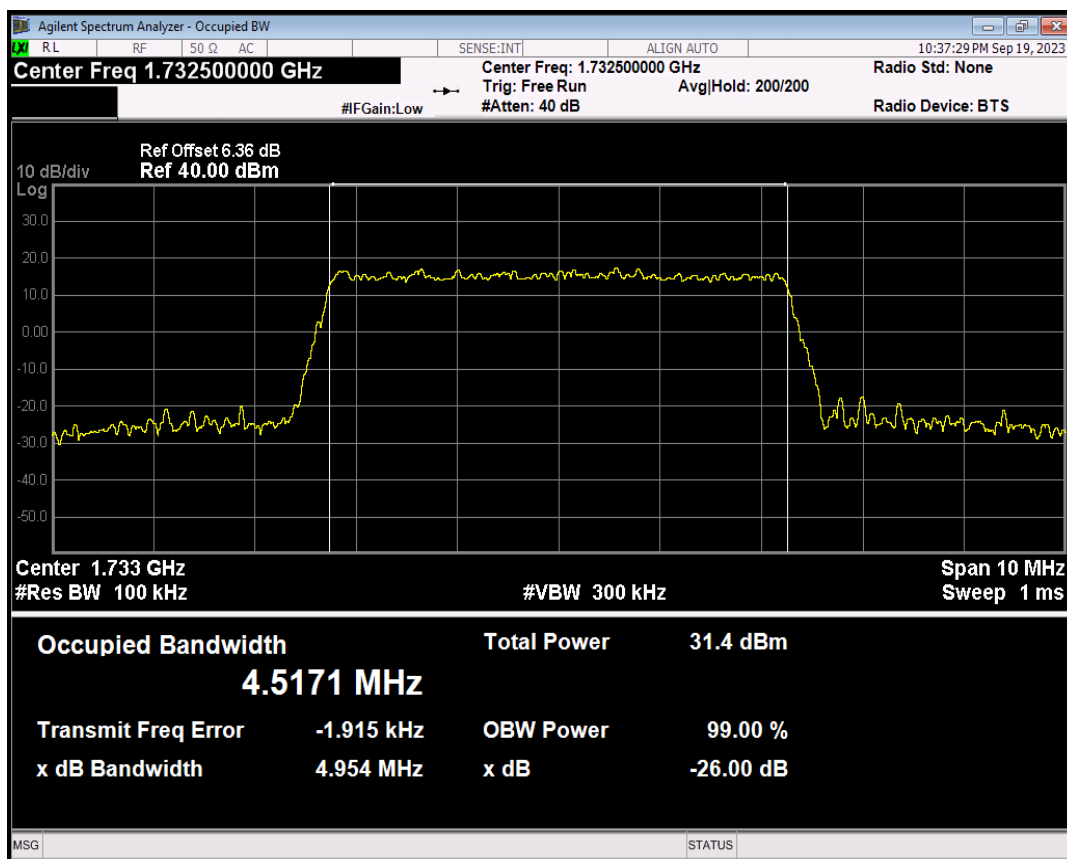


Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

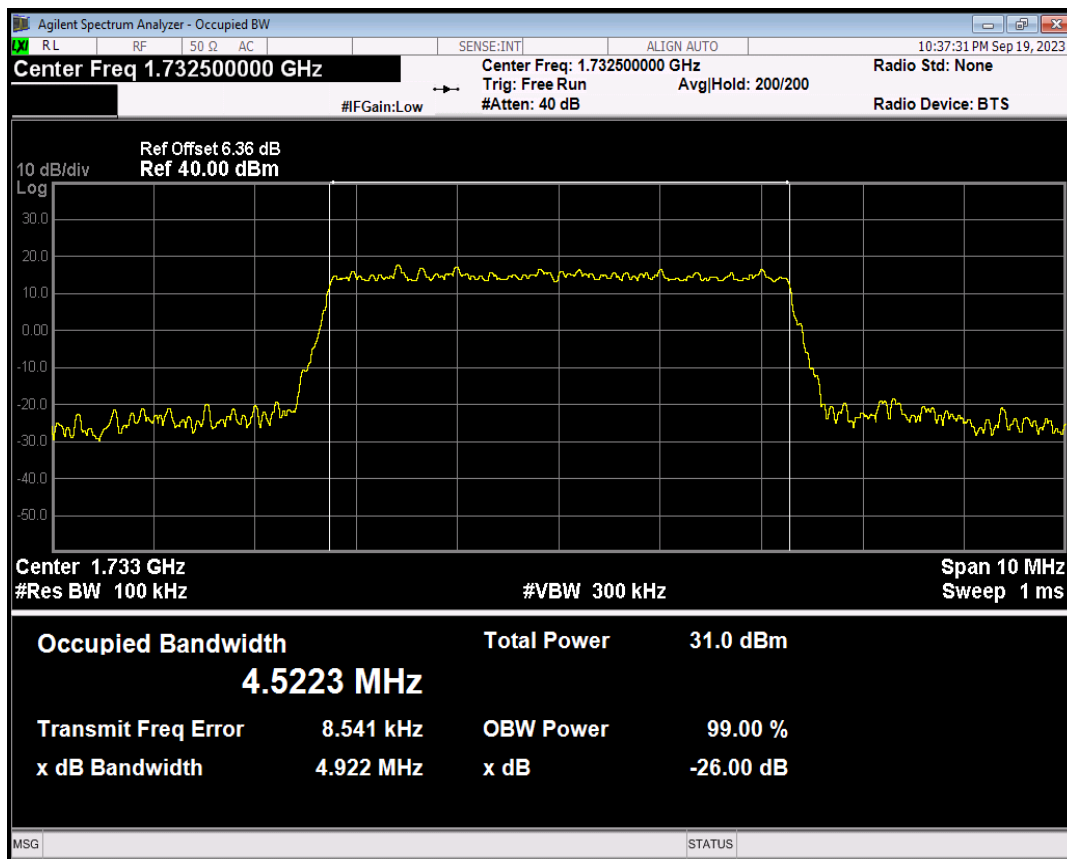




Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0

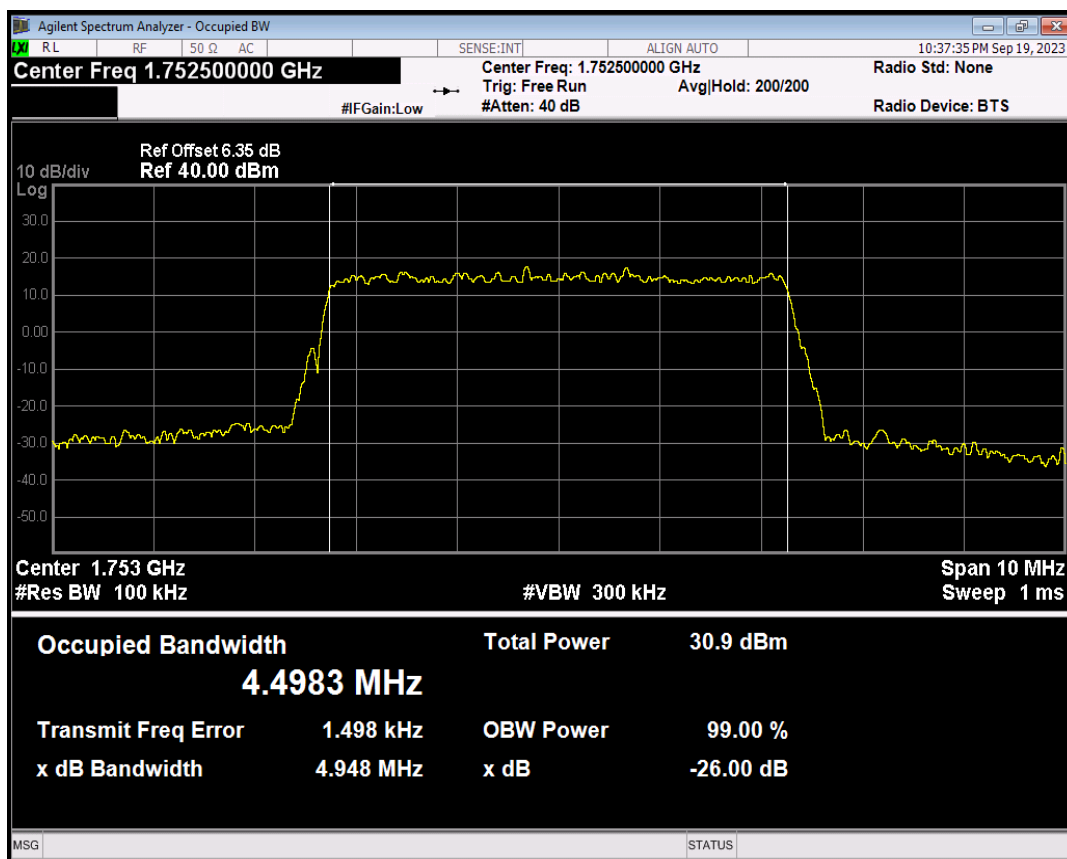


Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0

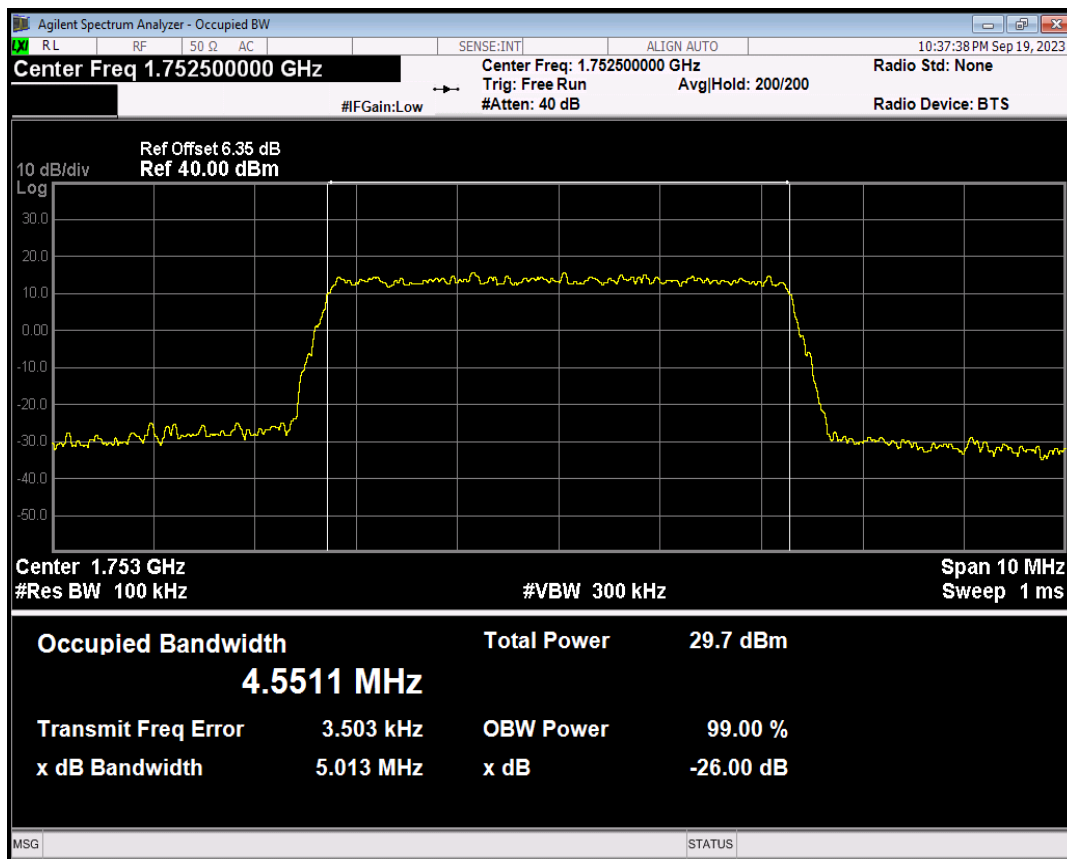




Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

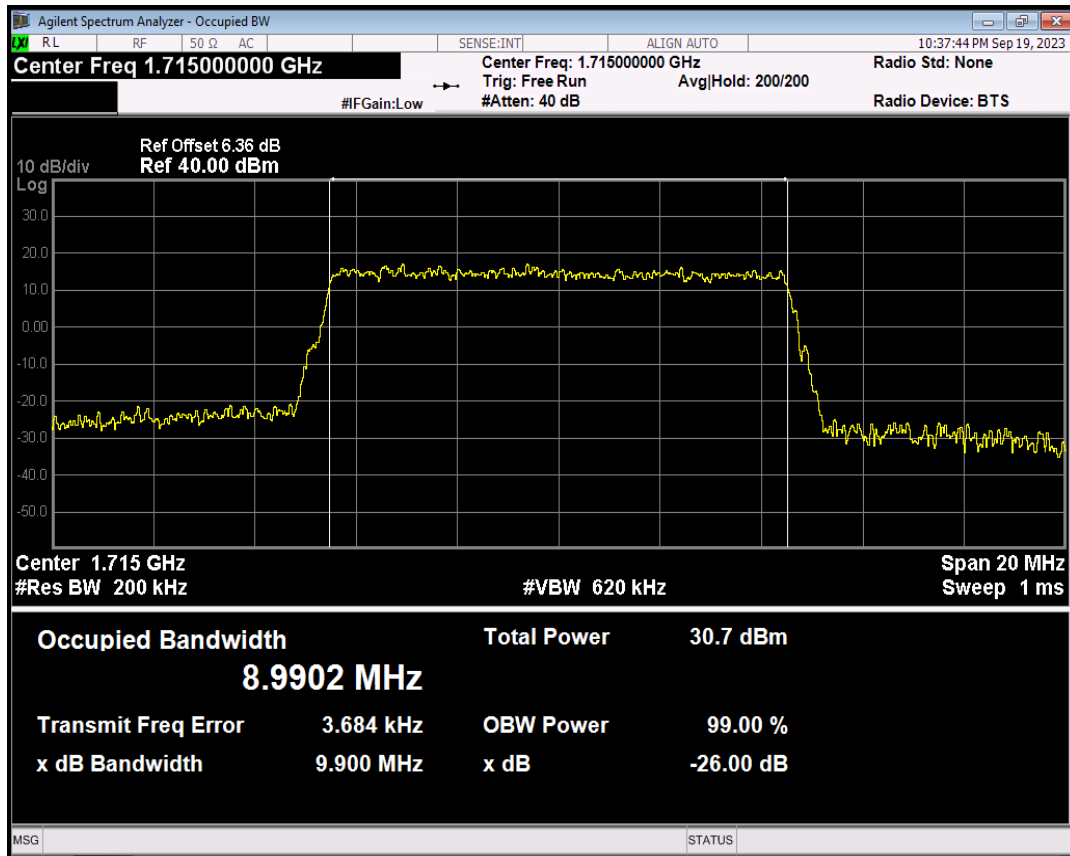


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

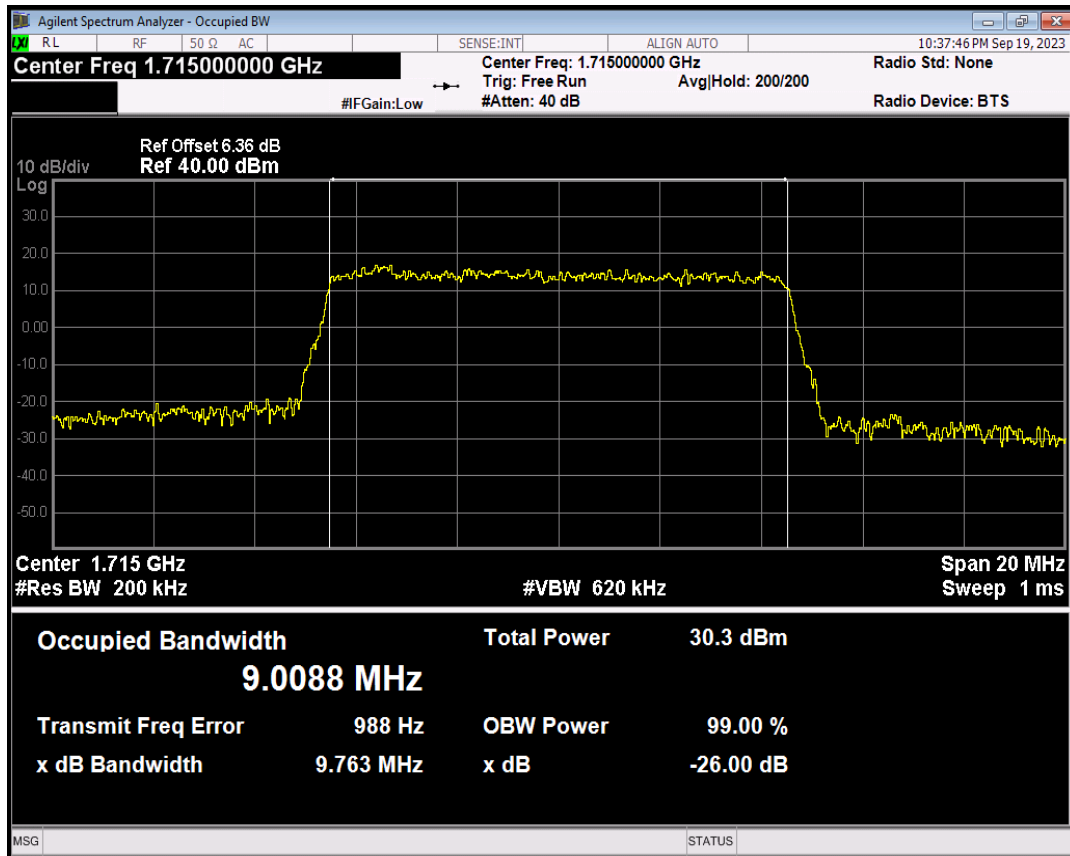




Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

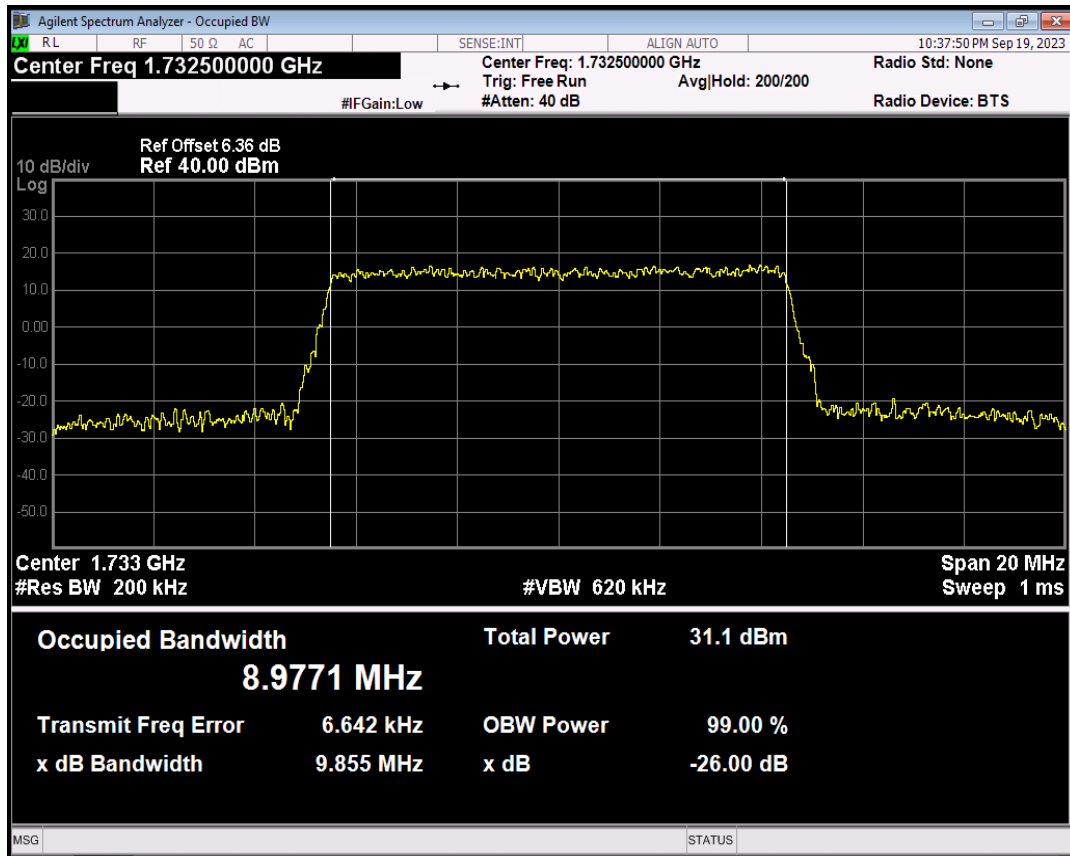


Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0

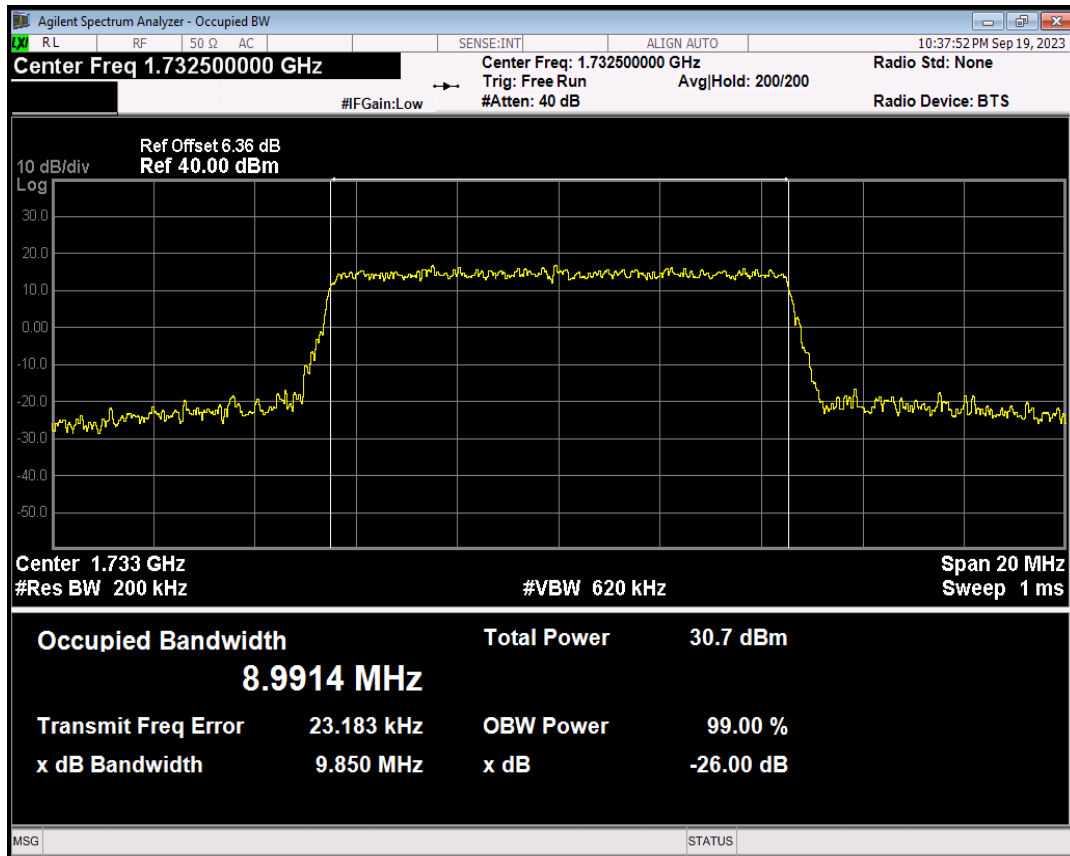




Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

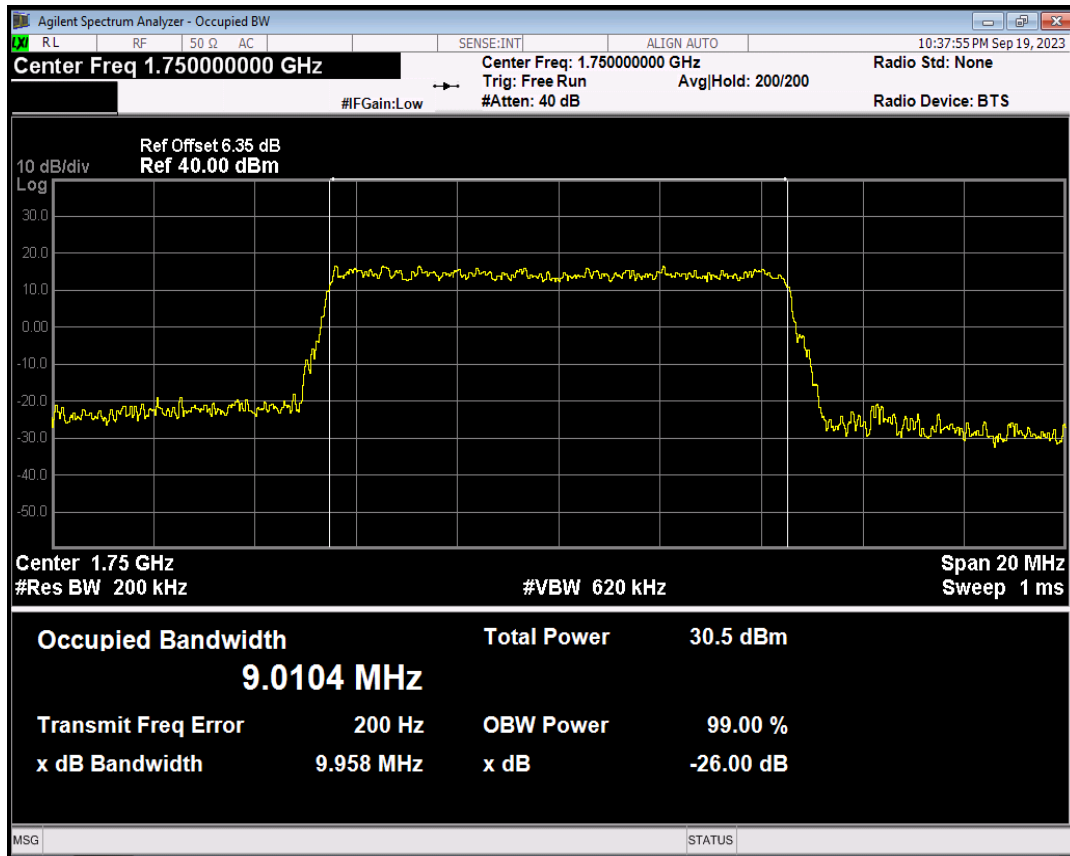


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

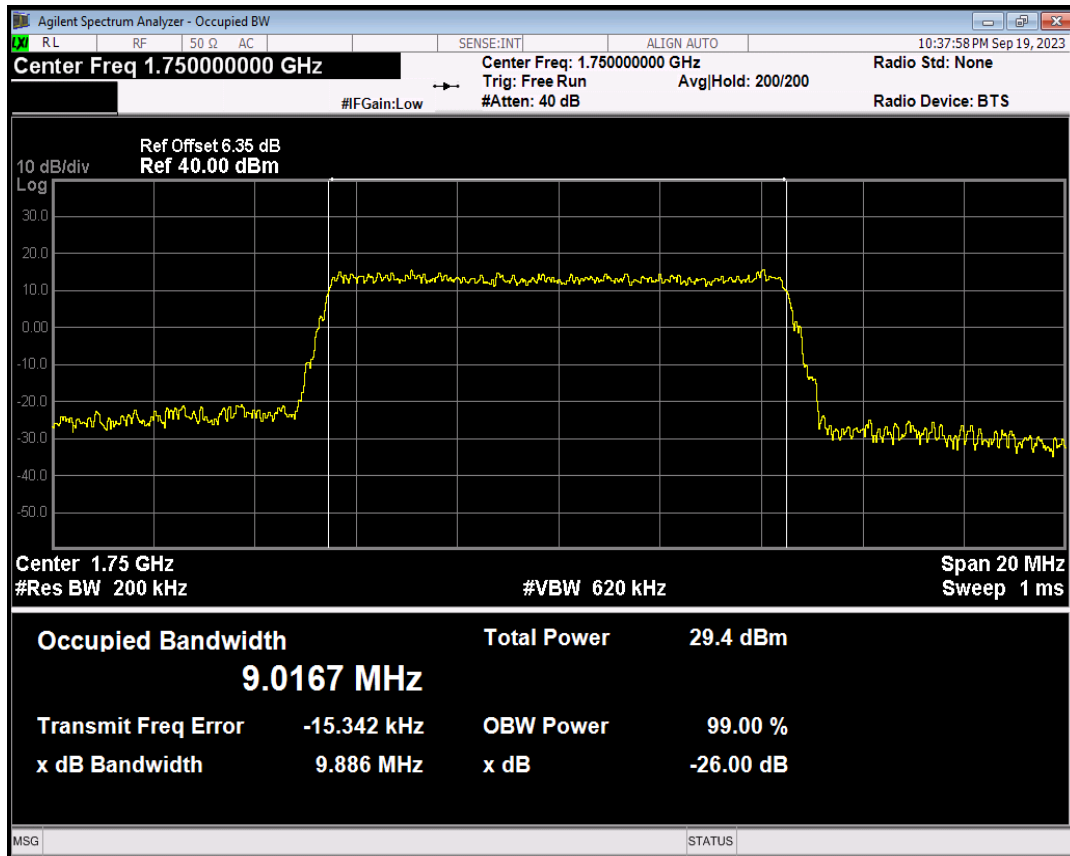




Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0

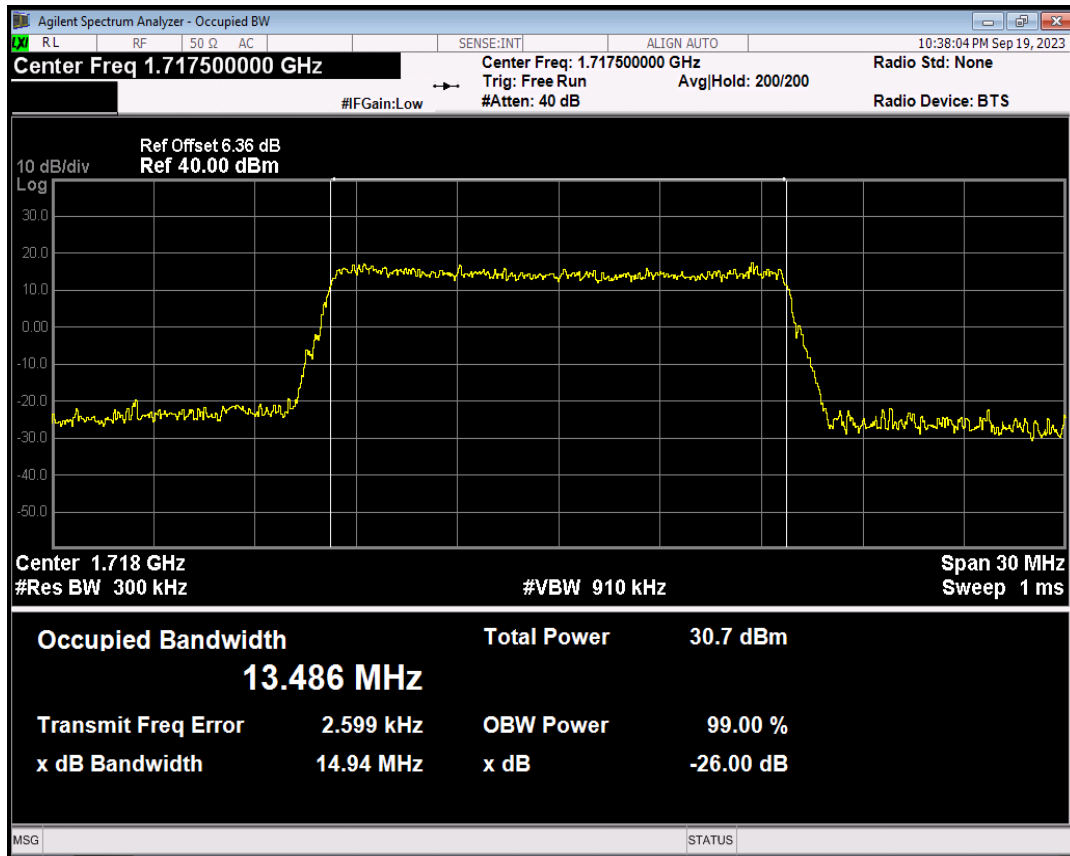


Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0

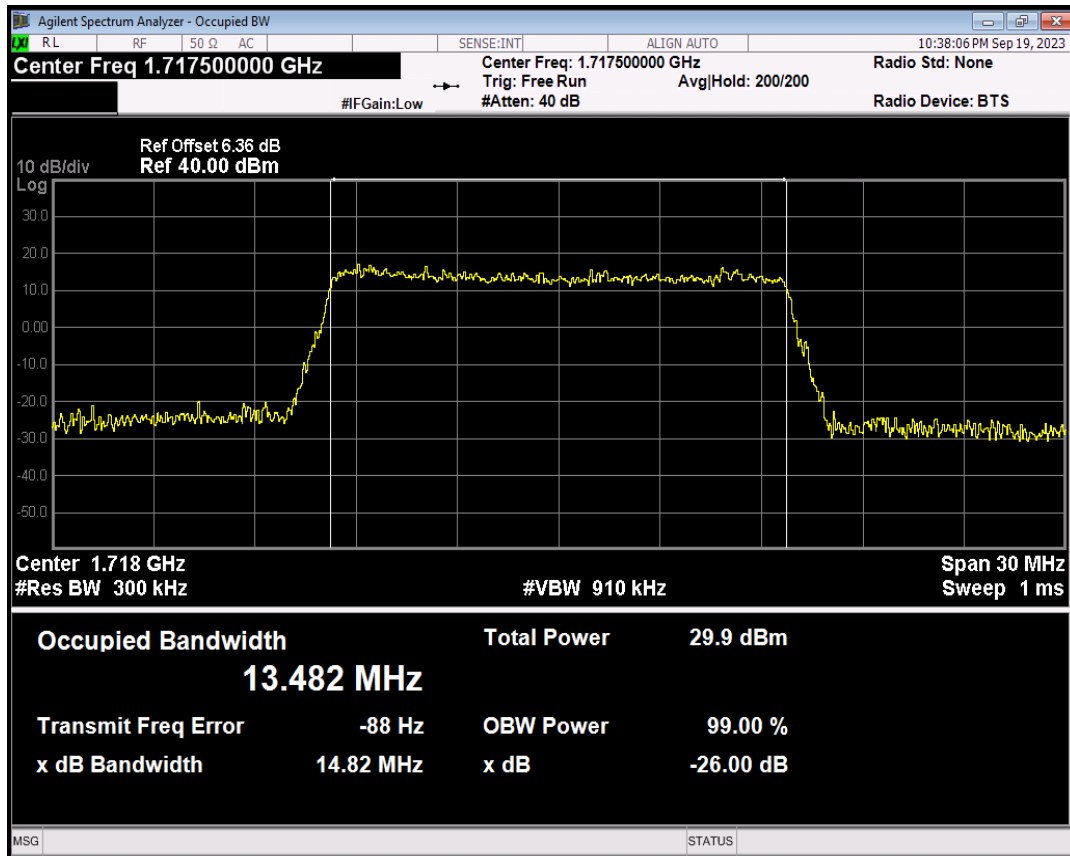




Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

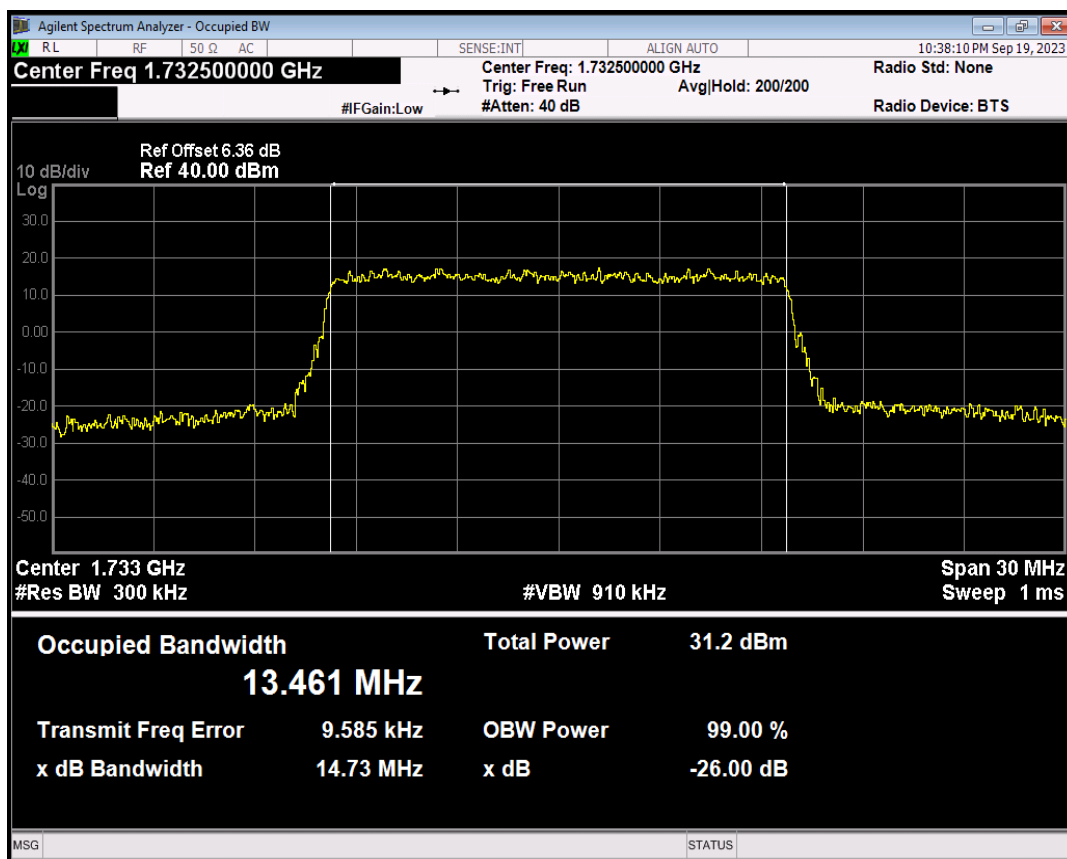


Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0





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



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

