

Appendix for Test Report

FCC ID: 2ATWZ-S0

Product Name: Real-Time Multisensor

Model No: S0

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Conducted output power (EIRP)

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	EIRP Limit (mW)	Verdict
Band4	1.4	19957	1	#0	QPSK	22.76	-0.9	21.86	153.46	1000	PASS
Band4	1.4	19957	1	#Mid	QPSK	22.79	-0.9	21.89	154.53	1000	PASS
Band4	1.4	19957	1	#Max	QPSK	22.78	-0.9	21.88	154.17	1000	PASS
Band4	1.4	19957	3	#0	QPSK	22.85	-0.9	21.95	156.68	1000	PASS
Band4	1.4	19957	3	#Mid	QPSK	22.85	-0.9	21.95	156.68	1000	PASS
Band4	1.4	19957	3	#Max	QPSK	22.82	-0.9	21.92	155.6	1000	PASS
Band4	1.4	19957	6	#0	QPSK	21.82	-0.9	20.92	123.59	1000	PASS
Band4	1.4	19957	1	#0	16QAM	21.82	-0.9	20.92	123.59	1000	PASS
Band4	1.4	19957	1	#Mid	16QAM	21.89	-0.9	20.99	125.6	1000	PASS
Band4	1.4	19957	1	#Max	16QAM	21.86	-0.9	20.96	124.74	1000	PASS
Band4	1.4	19957	3	#0	16QAM	21.76	-0.9	20.86	121.9	1000	PASS
Band4	1.4	19957	3	#Mid	16QAM	21.77	-0.9	20.87	122.18	1000	PASS
Band4	1.4	19957	3	#Max	16QAM	21.77	-0.9	20.87	122.18	1000	PASS
Band4	1.4	19957	6	#0	16QAM	21.24	-0.9	20.34	108.14	1000	PASS
Band4	1.4	20175	1	#0	QPSK	22.62	-0.9	21.72	148.59	1000	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.59	-0.9	21.69	147.57	1000	PASS
Band4	1.4	20175	1	#Max	QPSK	22.52	-0.9	21.62	145.21	1000	PASS
Band4	1.4	20175	3	#0	QPSK	22.66	-0.9	21.76	149.97	1000	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.64	-0.9	21.74	149.28	1000	PASS
Band4	1.4	20175	3	#Max	QPSK	22.59	-0.9	21.69	147.57	1000	PASS
Band4	1.4	20175	6	#0	QPSK	21.64	-0.9	20.74	118.58	1000	PASS
Band4	1.4	20175	1	#0	16QAM	21.59	-0.9	20.69	117.22	1000	PASS
Band4	1.4	20175	1	#Mid	16QAM	21.58	-0.9	20.68	116.95	1000	PASS
Band4	1.4	20175	1	#Max	16QAM	21.53	-0.9	20.63	115.61	1000	PASS
Band4	1.4	20175	3	#0	16QAM	21.96	-0.9	21.06	127.64	1000	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.95	-0.9	21.05	127.35	1000	PASS
Band4	1.4	20175	3	#Max	16QAM	21.91	-0.9	21.01	126.18	1000	PASS
Band4	1.4	20175	6	#0	16QAM	20.91	-0.9	20.01	100.23	1000	PASS
Band4	1.4	20393	1	#0	QPSK	22.5	-0.9	21.6	144.54	1000	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.54	-0.9	21.64	145.88	1000	PASS
Band4	1.4	20393	1	#Max	QPSK	22.48	-0.9	21.58	143.88	1000	PASS
Band4	1.4	20393	3	#0	QPSK	22.44	-0.9	21.54	142.56	1000	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.57	-0.9	21.67	146.89	1000	PASS
Band4	1.4	20393	3	#Max	QPSK	22.57	-0.9	21.67	146.89	1000	PASS
Band4	1.4	20393	6	#0	QPSK	21.71	-0.9	20.81	120.5	1000	PASS
Band4	1.4	20393	1	#0	16QAM	21.76	-0.9	20.86	121.9	1000	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.83	-0.9	20.93	123.88	1000	PASS
Band4	1.4	20393	1	#Max	16QAM	21.69	-0.9	20.79	119.95	1000	PASS

Band4	1.4	20393	3	#0	16QAM	21.75	-0.9	20.85	121.62	1000	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.77	-0.9	20.87	122.18	1000	PASS
Band4	1.4	20393	3	#Max	16QAM	21.78	-0.9	20.88	122.46	1000	PASS
Band4	1.4	20393	6	#0	16QAM	20.73	-0.9	19.83	96.16	1000	PASS
Band4	3	19965	1	#0	QPSK	22.56	-0.9	21.66	146.55	1000	PASS
Band4	3	19965	1	#Mid	QPSK	22.78	-0.9	21.88	154.17	1000	PASS
Band4	3	19965	1	#Max	QPSK	22.61	-0.9	21.71	148.25	1000	PASS
Band4	3	19965	8	#0	QPSK	21.83	-0.9	20.93	123.88	1000	PASS
Band4	3	19965	8	#Mid	QPSK	21.91	-0.9	21.01	126.18	1000	PASS
Band4	3	19965	8	#Max	QPSK	21.9	-0.9	21	125.89	1000	PASS
Band4	3	19965	15	#0	QPSK	21.87	-0.9	20.97	125.03	1000	PASS
Band4	3	19965	1	#0	16QAM	22	-0.9	21.1	128.82	1000	PASS
Band4	3	19965	1	#Mid	16QAM	22.25	-0.9	21.35	136.46	1000	PASS
Band4	3	19965	1	#Max	16QAM	22.11	-0.9	21.21	132.13	1000	PASS
Band4	3	19965	8	#0	16QAM	20.96	-0.9	20.06	101.39	1000	PASS
Band4	3	19965	8	#Mid	16QAM	21.07	-0.9	20.17	103.99	1000	PASS
Band4	3	19965	8	#Max	16QAM	21.05	-0.9	20.15	103.51	1000	PASS
Band4	3	19965	15	#0	16QAM	21.05	-0.9	20.15	103.51	1000	PASS
Band4	3	20175	1	#0	QPSK	22.56	-0.9	21.66	146.55	1000	PASS
Band4	3	20175	1	#Mid	QPSK	22.61	-0.9	21.71	148.25	1000	PASS
Band4	3	20175	1	#Max	QPSK	22.39	-0.9	21.49	140.93	1000	PASS
Band4	3	20175	8	#0	QPSK	21.7	-0.9	20.8	120.23	1000	PASS
Band4	3	20175	8	#Mid	QPSK	21.73	-0.9	20.83	121.06	1000	PASS
Band4	3	20175	8	#Max	QPSK	21.68	-0.9	20.78	119.67	1000	PASS
Band4	3	20175	15	#0	QPSK	21.7	-0.9	20.8	120.23	1000	PASS
Band4	3	20175	1	#0	16QAM	21.55	-0.9	20.65	116.14	1000	PASS
Band4	3	20175	1	#Mid	16QAM	21.64	-0.9	20.74	118.58	1000	PASS
Band4	3	20175	1	#Max	16QAM	21.41	-0.9	20.51	112.46	1000	PASS
Band4	3	20175	8	#0	16QAM	20.96	-0.9	20.06	101.39	1000	PASS
Band4	3	20175	8	#Mid	16QAM	20.98	-0.9	20.08	101.86	1000	PASS
Band4	3	20175	8	#Max	16QAM	20.93	-0.9	20.03	100.69	1000	PASS
Band4	3	20175	15	#0	16QAM	20.8	-0.9	19.9	97.72	1000	PASS
Band4	3	20385	1	#0	QPSK	22.43	-0.9	21.53	142.23	1000	PASS
Band4	3	20385	1	#Mid	QPSK	22.58	-0.9	21.68	147.23	1000	PASS
Band4	3	20385	1	#Max	QPSK	22.48	-0.9	21.58	143.88	1000	PASS
Band4	3	20385	8	#0	QPSK	21.65	-0.9	20.75	118.85	1000	PASS
Band4	3	20385	8	#Mid	QPSK	21.69	-0.9	20.79	119.95	1000	PASS
Band4	3	20385	8	#Max	QPSK	21.8	-0.9	20.9	123.03	1000	PASS
Band4	3	20385	15	#0	QPSK	21.67	-0.9	20.77	119.4	1000	PASS
Band4	3	20385	1	#0	16QAM	21.61	-0.9	20.71	117.76	1000	PASS
Band4	3	20385	1	#Mid	16QAM	21.77	-0.9	20.87	122.18	1000	PASS
Band4	3	20385	1	#Max	16QAM	21.66	-0.9	20.76	119.12	1000	PASS
Band4	3	20385	8	#0	16QAM	20.63	-0.9	19.73	93.97	1000	PASS

Band4	3	20385	8	#Mid	16QAM	20.65	-0.9	19.75	94.41	1000	PASS
Band4	3	20385	8	#Max	16QAM	20.65	-0.9	19.75	94.41	1000	PASS
Band4	3	20385	15	#0	16QAM	20.71	-0.9	19.81	95.72	1000	PASS
Band4	5	19975	1	#0	QPSK	22.94	-0.9	22.04	159.96	1000	PASS
Band4	5	19975	1	#Mid	QPSK	22.89	-0.9	21.99	158.12	1000	PASS
Band4	5	19975	1	#Max	QPSK	23.07	-0.9	22.17	164.82	1000	PASS
Band4	5	19975	12	#0	QPSK	22.02	-0.9	21.12	129.42	1000	PASS
Band4	5	19975	12	#Mid	QPSK	22	-0.9	21.1	128.82	1000	PASS
Band4	5	19975	12	#Max	QPSK	22.09	-0.9	21.19	131.52	1000	PASS
Band4	5	19975	25	#0	QPSK	22.06	-0.9	21.16	130.62	1000	PASS
Band4	5	19975	1	#0	16QAM	22.36	-0.9	21.46	139.96	1000	PASS
Band4	5	19975	1	#Mid	16QAM	22.34	-0.9	21.44	139.32	1000	PASS
Band4	5	19975	1	#Max	16QAM	22.5	-0.9	21.6	144.54	1000	PASS
Band4	5	19975	12	#0	16QAM	21.18	-0.9	20.28	106.66	1000	PASS
Band4	5	19975	12	#Mid	16QAM	21.18	-0.9	20.28	106.66	1000	PASS
Band4	5	19975	12	#Max	16QAM	21.26	-0.9	20.36	108.64	1000	PASS
Band4	5	19975	25	#0	16QAM	21.3	-0.9	20.4	109.65	1000	PASS
Band4	5	20175	1	#0	QPSK	22.97	-0.9	22.07	161.06	1000	PASS
Band4	5	20175	1	#Mid	QPSK	22.7	-0.9	21.8	151.36	1000	PASS
Band4	5	20175	1	#Max	QPSK	22.75	-0.9	21.85	153.11	1000	PASS
Band4	5	20175	12	#0	QPSK	21.88	-0.9	20.98	125.31	1000	PASS
Band4	5	20175	12	#Mid	QPSK	21.77	-0.9	20.87	122.18	1000	PASS
Band4	5	20175	12	#Max	QPSK	21.74	-0.9	20.84	121.34	1000	PASS
Band4	5	20175	25	#0	QPSK	21.85	-0.9	20.95	124.45	1000	PASS
Band4	5	20175	1	#0	16QAM	22.21	-0.9	21.31	135.21	1000	PASS
Band4	5	20175	1	#Mid	16QAM	21.95	-0.9	21.05	127.35	1000	PASS
Band4	5	20175	1	#Max	16QAM	22.01	-0.9	21.11	129.12	1000	PASS
Band4	5	20175	12	#0	16QAM	21.01	-0.9	20.11	102.57	1000	PASS
Band4	5	20175	12	#Mid	16QAM	20.91	-0.9	20.01	100.23	1000	PASS
Band4	5	20175	12	#Max	16QAM	20.88	-0.9	19.98	99.54	1000	PASS
Band4	5	20175	25	#0	16QAM	21.01	-0.9	20.11	102.57	1000	PASS
Band4	5	20375	1	#0	QPSK	22.54	-0.9	21.64	145.88	1000	PASS
Band4	5	20375	1	#Mid	QPSK	22.52	-0.9	21.62	145.21	1000	PASS
Band4	5	20375	1	#Max	QPSK	22.69	-0.9	21.79	151.01	1000	PASS
Band4	5	20375	12	#0	QPSK	21.55	-0.9	20.65	116.14	1000	PASS
Band4	5	20375	12	#Mid	QPSK	21.59	-0.9	20.69	117.22	1000	PASS
Band4	5	20375	12	#Max	QPSK	21.65	-0.9	20.75	118.85	1000	PASS
Band4	5	20375	25	#0	QPSK	21.62	-0.9	20.72	118.03	1000	PASS
Band4	5	20375	1	#0	16QAM	22.07	-0.9	21.17	130.92	1000	PASS
Band4	5	20375	1	#Mid	16QAM	22.27	-0.9	21.37	137.09	1000	PASS
Band4	5	20375	1	#Max	16QAM	22.28	-0.9	21.38	137.4	1000	PASS
Band4	5	20375	12	#0	16QAM	20.74	-0.9	19.84	96.38	1000	PASS
Band4	5	20375	12	#Mid	16QAM	20.76	-0.9	19.86	96.83	1000	PASS

Band4	5	20375	12	#Max	16QAM	20.83	-0.9	19.93	98.4	1000	PASS
Band4	5	20375	25	#0	16QAM	20.8	-0.9	19.9	97.72	1000	PASS
Band4	10	20000	1	#0	QPSK	23.02	-0.9	22.12	162.93	1000	PASS
Band4	10	20000	1	#Mid	QPSK	22.99	-0.9	22.09	161.81	1000	PASS
Band4	10	20000	1	#Max	QPSK	23.33	-0.9	22.43	174.98	1000	PASS
Band4	10	20000	25	#0	QPSK	22.24	-0.9	21.34	136.14	1000	PASS
Band4	10	20000	25	#Mid	QPSK	22.24	-0.9	21.34	136.14	1000	PASS
Band4	10	20000	25	#Max	QPSK	22.35	-0.9	21.45	139.64	1000	PASS
Band4	10	20000	50	#0	QPSK	22.31	-0.9	21.41	138.36	1000	PASS
Band4	10	20000	1	#0	16QAM	22.51	-0.9	21.61	144.88	1000	PASS
Band4	10	20000	1	#Mid	16QAM	22.52	-0.9	21.62	145.21	1000	PASS
Band4	10	20000	1	#Max	16QAM	22.75	-0.9	21.85	153.11	1000	PASS
Band4	10	20000	25	#0	16QAM	21.31	-0.9	20.41	109.9	1000	PASS
Band4	10	20000	25	#Mid	16QAM	21.33	-0.9	20.43	110.41	1000	PASS
Band4	10	20000	25	#Max	16QAM	21.45	-0.9	20.55	113.5	1000	PASS
Band4	10	20175	1	#0	QPSK	22.89	-0.9	21.99	158.12	1000	PASS
Band4	10	20175	1	#Mid	QPSK	22.65	-0.9	21.75	149.62	1000	PASS
Band4	10	20175	1	#Max	QPSK	22.59	-0.9	21.69	147.57	1000	PASS
Band4	10	20175	25	#0	QPSK	21.96	-0.9	21.06	127.64	1000	PASS
Band4	10	20175	25	#Mid	QPSK	21.82	-0.9	20.92	123.59	1000	PASS
Band4	10	20175	25	#Max	QPSK	21.79	-0.9	20.89	122.74	1000	PASS
Band4	10	20175	50	#0	QPSK	21.89	-0.9	20.99	125.6	1000	PASS
Band4	10	20175	1	#0	16QAM	21.86	-0.9	20.96	124.74	1000	PASS
Band4	10	20175	1	#Mid	16QAM	21.64	-0.9	20.74	118.58	1000	PASS
Band4	10	20175	1	#Max	16QAM	21.6	-0.9	20.7	117.49	1000	PASS
Band4	10	20175	25	#0	16QAM	21.09	-0.9	20.19	104.47	1000	PASS
Band4	10	20175	25	#Mid	16QAM	20.97	-0.9	20.07	101.62	1000	PASS
Band4	10	20175	25	#Max	16QAM	20.93	-0.9	20.03	100.69	1000	PASS
Band4	10	20350	1	#0	QPSK	22.5	-0.9	21.6	144.54	1000	PASS
Band4	10	20350	1	#Mid	QPSK	22.46	-0.9	21.56	143.22	1000	PASS
Band4	10	20350	1	#Max	QPSK	22.81	-0.9	21.91	155.24	1000	PASS
Band4	10	20350	25	#0	QPSK	21.69	-0.9	20.79	119.95	1000	PASS
Band4	10	20350	25	#Mid	QPSK	21.64	-0.9	20.74	118.58	1000	PASS
Band4	10	20350	25	#Max	QPSK	21.76	-0.9	20.86	121.9	1000	PASS
Band4	10	20350	50	#0	QPSK	21.81	-0.9	20.91	123.31	1000	PASS
Band4	10	20350	1	#0	16QAM	21.75	-0.9	20.85	121.62	1000	PASS
Band4	10	20350	1	#Mid	16QAM	21.73	-0.9	20.83	121.06	1000	PASS
Band4	10	20350	1	#Max	16QAM	22.06	-0.9	21.16	130.62	1000	PASS
Band4	10	20350	25	#0	16QAM	20.68	-0.9	19.78	95.06	1000	PASS
Band4	10	20350	25	#Mid	16QAM	20.72	-0.9	19.82	95.94	1000	PASS
Band4	10	20350	25	#Max	16QAM	20.9	-0.9	20	100	1000	PASS
Band4	15	20025	1	#0	QPSK	22.85	-0.9	21.95	156.68	1000	PASS
Band4	15	20025	1	#Mid	QPSK	23.06	-0.9	22.16	164.44	1000	PASS

Band4	15	20025	1	#Max	QPSK	23.08	-0.9	22.18	165.2	1000	PASS
Band4	15	20025	36	#0	QPSK	22.24	-0.9	21.34	136.14	1000	PASS
Band4	15	20025	36	#Mid	QPSK	22.32	-0.9	21.42	138.68	1000	PASS
Band4	15	20025	36	#Max	QPSK	22.36	-0.9	21.46	139.96	1000	PASS
Band4	15	20025	75	#0	QPSK	23.12	-0.9	22.22	166.72	1000	PASS
Band4	15	20025	1	#0	16QAM	22.32	-0.9	21.42	138.68	1000	PASS
Band4	15	20025	1	#Mid	16QAM	22.55	-0.9	21.65	146.22	1000	PASS
Band4	15	20025	1	#Max	16QAM	22.5	-0.9	21.6	144.54	1000	PASS
Band4	15	20175	1	#0	QPSK	22.78	-0.9	21.88	154.17	1000	PASS
Band4	15	20175	1	#Mid	QPSK	22.64	-0.9	21.74	149.28	1000	PASS
Band4	15	20175	1	#Max	QPSK	22.21	-0.9	21.31	135.21	1000	PASS
Band4	15	20175	36	#0	QPSK	22.02	-0.9	21.12	129.42	1000	PASS
Band4	15	20175	36	#Mid	QPSK	21.87	-0.9	20.97	125.03	1000	PASS
Band4	15	20175	36	#Max	QPSK	21.66	-0.9	20.76	119.12	1000	PASS
Band4	15	20175	75	#0	QPSK	22.51	-0.9	21.61	144.88	1000	PASS
Band4	15	20175	1	#0	16QAM	21.76	-0.9	20.86	121.9	1000	PASS
Band4	15	20175	1	#Mid	16QAM	21.75	-0.9	20.85	121.62	1000	PASS
Band4	15	20175	1	#Max	16QAM	21.24	-0.9	20.34	108.14	1000	PASS
Band4	15	20325	1	#0	QPSK	22.02	-0.9	21.12	129.42	1000	PASS
Band4	15	20325	1	#Mid	QPSK	22.3	-0.9	21.4	138.04	1000	PASS
Band4	15	20325	1	#Max	QPSK	22.39	-0.9	21.49	140.93	1000	PASS
Band4	15	20325	36	#0	QPSK	21.47	-0.9	20.57	114.02	1000	PASS
Band4	15	20325	36	#Mid	QPSK	21.54	-0.9	20.64	115.88	1000	PASS
Band4	15	20325	36	#Max	QPSK	21.62	-0.9	20.72	118.03	1000	PASS
Band4	15	20325	75	#0	QPSK	22.27	-0.9	21.37	137.09	1000	PASS
Band4	15	20325	1	#0	16QAM	21.6	-0.9	20.7	117.49	1000	PASS
Band4	15	20325	1	#Mid	16QAM	21.78	-0.9	20.88	122.46	1000	PASS
Band4	15	20325	1	#Max	16QAM	21.89	-0.9	20.99	125.6	1000	PASS
Band4	20	20050	1	#0	QPSK	22.99	-0.9	22.09	161.81	1000	PASS
Band4	20	20050	1	#Mid	QPSK	23.19	-0.9	22.29	169.43	1000	PASS
Band4	20	20050	1	#Max	QPSK	23.02	-0.9	22.12	162.93	1000	PASS
Band4	20	20050	50	#0	QPSK	22.23	-0.9	21.33	135.83	1000	PASS
Band4	20	20050	50	#Mid	QPSK	22.33	-0.9	21.43	139	1000	PASS
Band4	20	20050	50	#Max	QPSK	22.27	-0.9	21.37	137.09	1000	PASS
Band4	20	20050	100	#0	QPSK	23.01	-0.9	22.11	162.55	1000	PASS
Band4	20	20050	1	#0	16QAM	22.28	-0.9	21.38	137.4	1000	PASS
Band4	20	20050	1	#Mid	16QAM	22.42	-0.9	21.52	141.91	1000	PASS
Band4	20	20050	1	#Max	16QAM	22.28	-0.9	21.38	137.4	1000	PASS
Band4	20	20175	1	#0	QPSK	23.19	-0.9	22.29	169.43	1000	PASS
Band4	20	20175	1	#Mid	QPSK	22.83	-0.9	21.93	155.96	1000	PASS
Band4	20	20175	1	#Max	QPSK	22.42	-0.9	21.52	141.91	1000	PASS
Band4	20	20175	50	#0	QPSK	22.04	-0.9	21.14	130.02	1000	PASS
Band4	20	20175	50	#Mid	QPSK	21.94	-0.9	21.04	127.06	1000	PASS

Band4	20	20175	50	#Max	QPSK	21.71	-0.9	20.81	120.5	1000	PASS
Band4	20	20175	100	#0	QPSK	22.88	-0.9	21.98	157.76	1000	PASS
Band4	20	20175	1	#0	16QAM	21.92	-0.9	21.02	126.47	1000	PASS
Band4	20	20175	1	#Mid	16QAM	21.74	-0.9	20.84	121.34	1000	PASS
Band4	20	20175	1	#Max	16QAM	21.39	-0.9	20.49	111.94	1000	PASS
Band4	20	20300	1	#0	QPSK	22.5	-0.9	21.6	144.54	1000	PASS
Band4	20	20300	1	#Mid	QPSK	22.31	-0.9	21.41	138.36	1000	PASS
Band4	20	20300	1	#Max	QPSK	22.46	-0.9	21.56	143.22	1000	PASS
Band4	20	20300	50	#0	QPSK	21.6	-0.9	20.7	117.49	1000	PASS
Band4	20	20300	50	#Mid	QPSK	21.6	-0.9	20.7	117.49	1000	PASS
Band4	20	20300	50	#Max	QPSK	21.67	-0.9	20.77	119.4	1000	PASS
Band4	20	20300	100	#0	QPSK	22.44	-0.9	21.54	142.56	1000	PASS
Band4	20	20300	1	#0	16QAM	21.88	-0.9	20.98	125.31	1000	PASS
Band4	20	20300	1	#Mid	16QAM	21.73	-0.9	20.83	121.06	1000	PASS
Band4	20	20300	1	#Max	16QAM	21.9	-0.9	21	125.89	1000	PASS

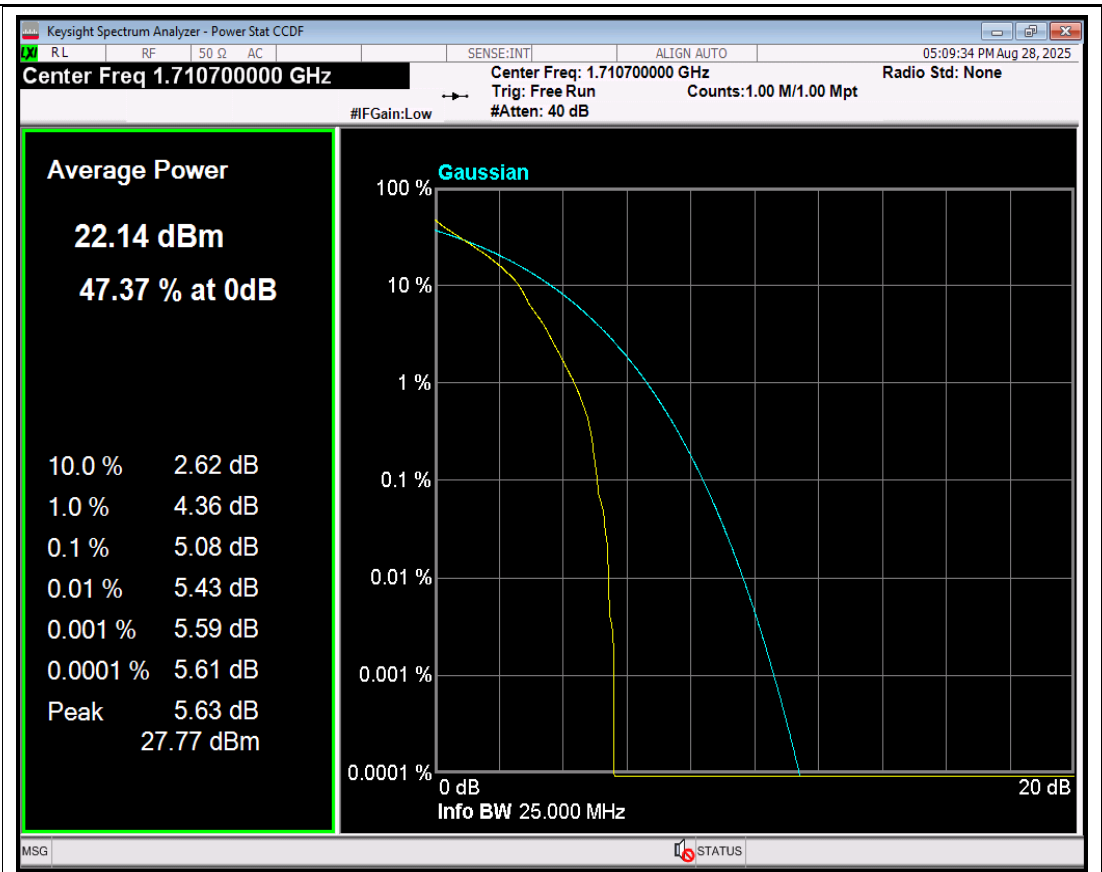
Note: EIRP = Power + Gain

Frequency stability

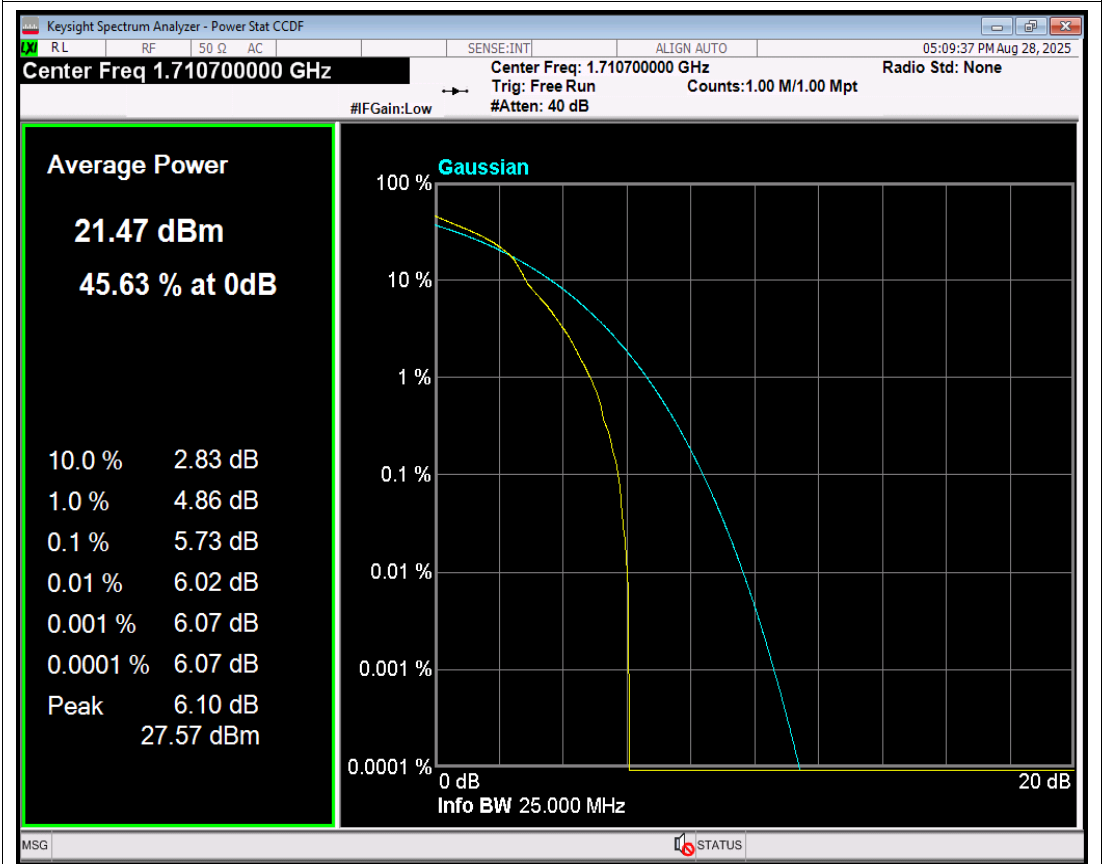
<i>Band</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Size</i>	<i>RB Position</i>	<i>Modulation</i>	<i>Result(Hz)</i>	<i>Result (ppm)</i>	<i>Low Limit (ppm)</i>	<i>high Limit (ppm)</i>	<i>Verdict</i>
Band4	20	20050	100	#0	QPSK	2.46	0.001	-2.5	2.5	PASS
Band4	20	20175	100	#0	QPSK	-7.65	-0.004	-2.5	2.5	PASS
Band4	20	20300	100	#0	QPSK	-5.85	-0.003	-2.5	2.5	PASS

Peak-to-Average Ratio

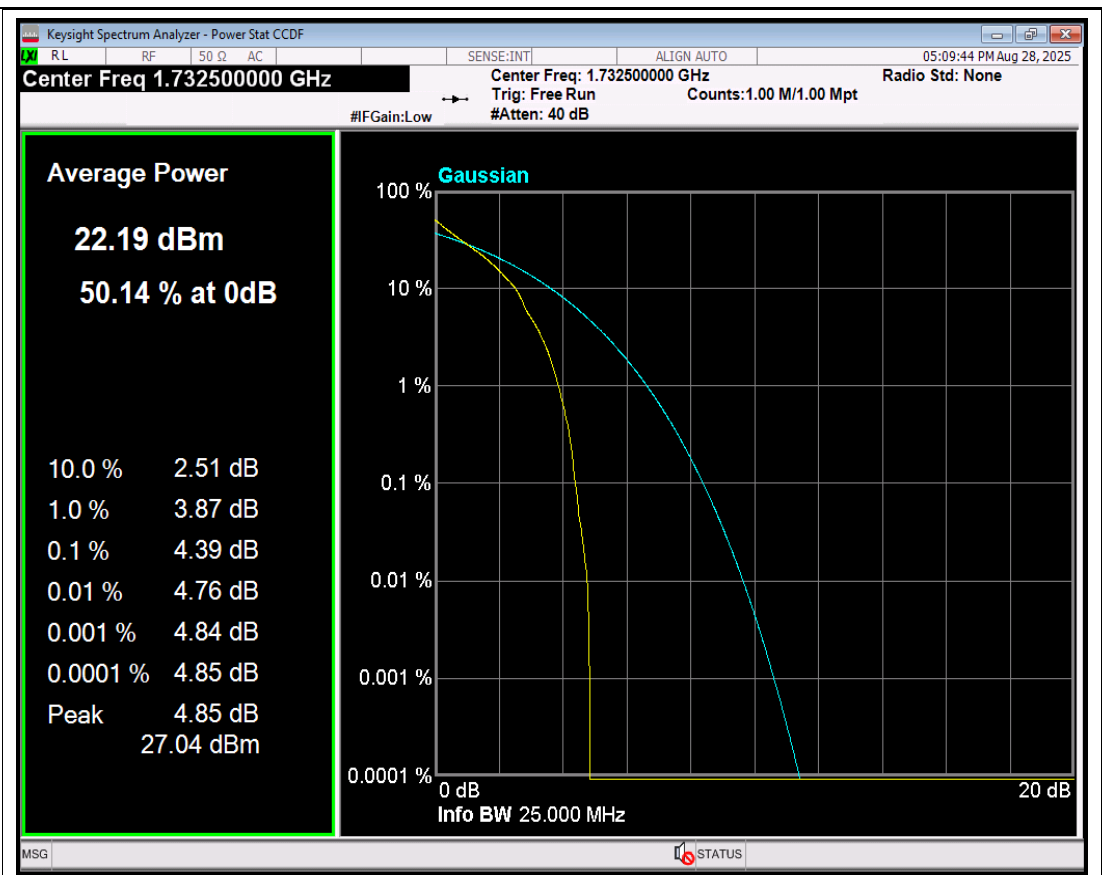
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	5.08	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.73	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.39	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.07	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.37	13	PASS
Band4	1.4	20393	1	#0	16QAM	6.16	13	PASS
Band4	3	19965	1	#0	QPSK	5.02	13	PASS
Band4	3	19965	1	#0	16QAM	5.94	13	PASS
Band4	3	20175	1	#0	QPSK	4.40	13	PASS
Band4	3	20175	1	#0	16QAM	4.84	13	PASS
Band4	3	20385	1	#0	QPSK	5.42	13	PASS
Band4	3	20385	1	#0	16QAM	6.05	13	PASS
Band4	5	19975	1	#0	QPSK	4.69	13	PASS
Band4	5	19975	1	#0	16QAM	5.58	13	PASS
Band4	5	20175	1	#0	QPSK	4.22	13	PASS
Band4	5	20175	1	#0	16QAM	4.92	13	PASS
Band4	5	20375	1	#0	QPSK	5.55	13	PASS
Band4	5	20375	1	#0	16QAM	5.88	13	PASS
Band4	10	20000	1	#0	QPSK	4.72	13	PASS
Band4	10	20000	1	#0	16QAM	5.56	13	PASS
Band4	10	20175	1	#0	QPSK	4.07	13	PASS
Band4	10	20175	1	#0	16QAM	4.62	13	PASS
Band4	10	20350	1	#0	QPSK	5.25	13	PASS
Band4	10	20350	1	#0	16QAM	5.86	13	PASS
Band4	15	20025	1	#0	QPSK	4.94	13	PASS
Band4	15	20025	1	#0	16QAM	5.62	13	PASS
Band4	15	20175	1	#0	QPSK	4.11	13	PASS
Band4	15	20175	1	#0	16QAM	4.81	13	PASS
Band4	15	20325	1	#0	QPSK	5.37	13	PASS
Band4	15	20325	1	#0	16QAM	6.10	13	PASS
Band4	20	20050	1	#0	QPSK	4.68	13	PASS
Band4	20	20050	1	#0	16QAM	5.49	13	PASS
Band4	20	20175	1	#0	QPSK	4.13	13	PASS
Band4	20	20175	1	#0	16QAM	4.71	13	PASS
Band4	20	20300	1	#0	QPSK	4.93	13	PASS
Band4	20	20300	1	#0	16QAM	5.61	13	PASS



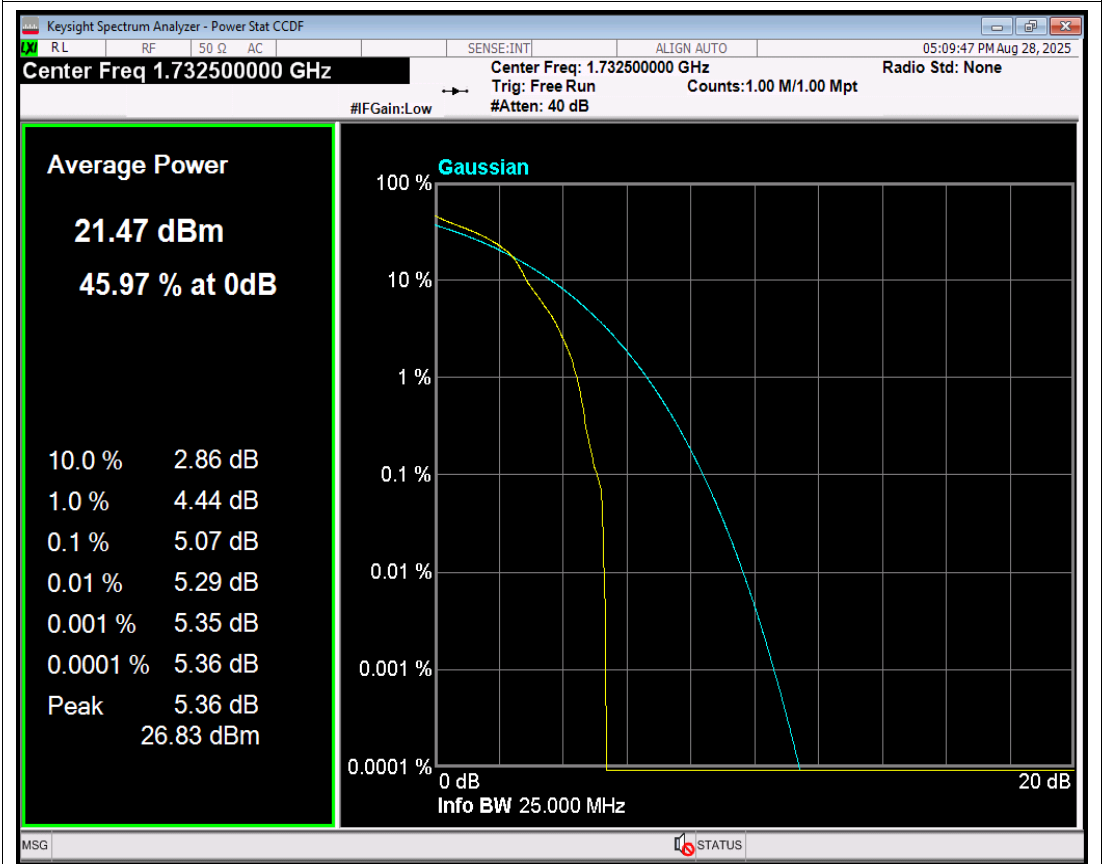
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



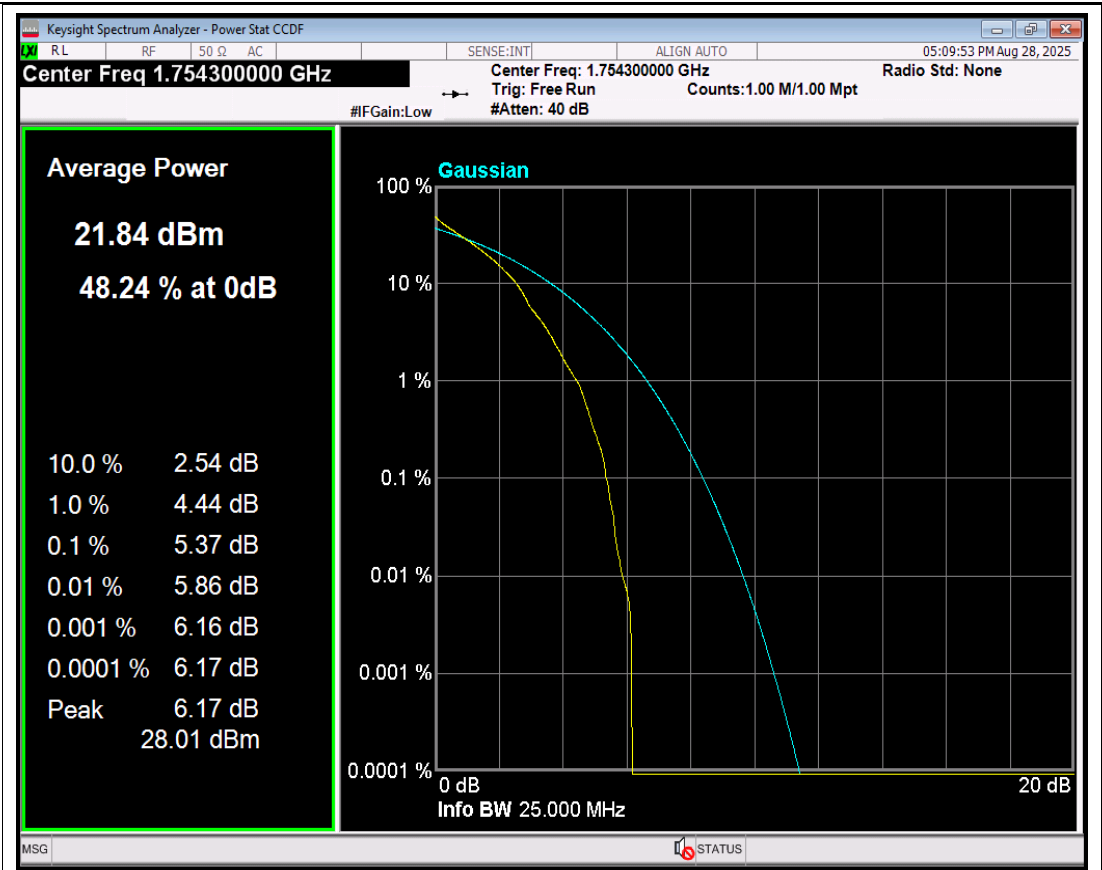
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



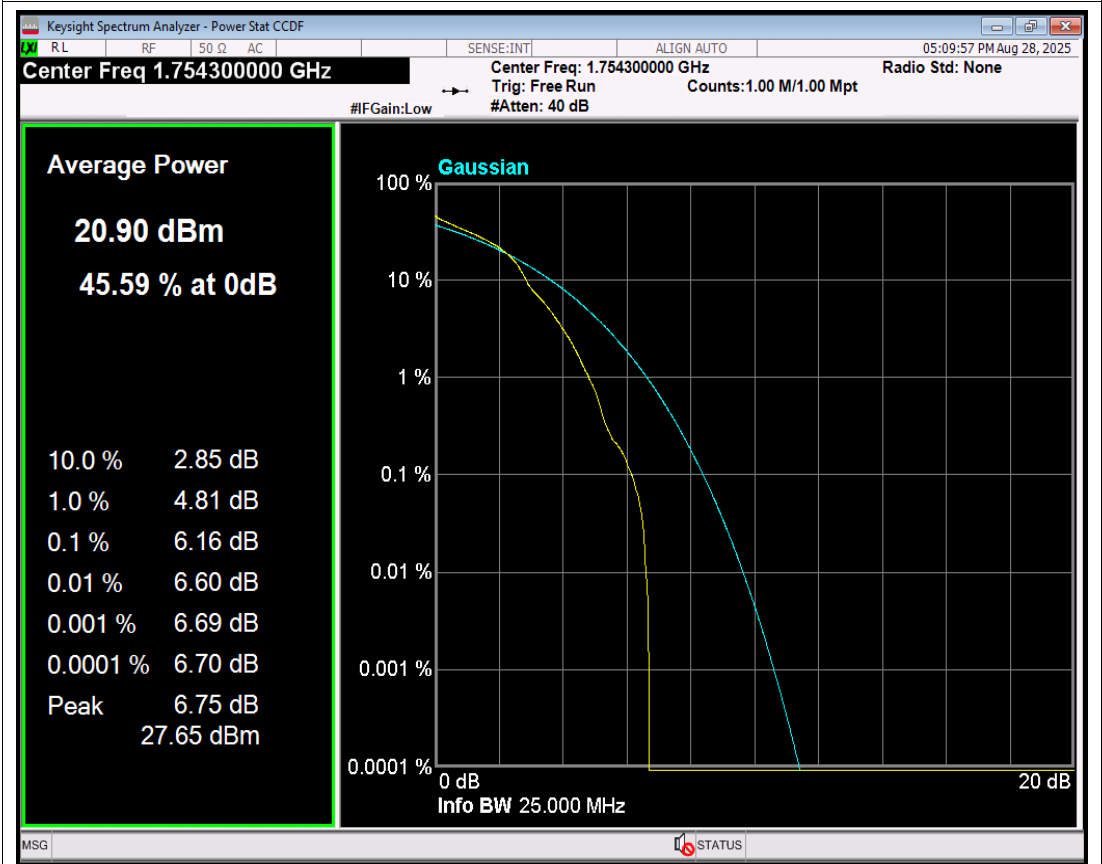
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



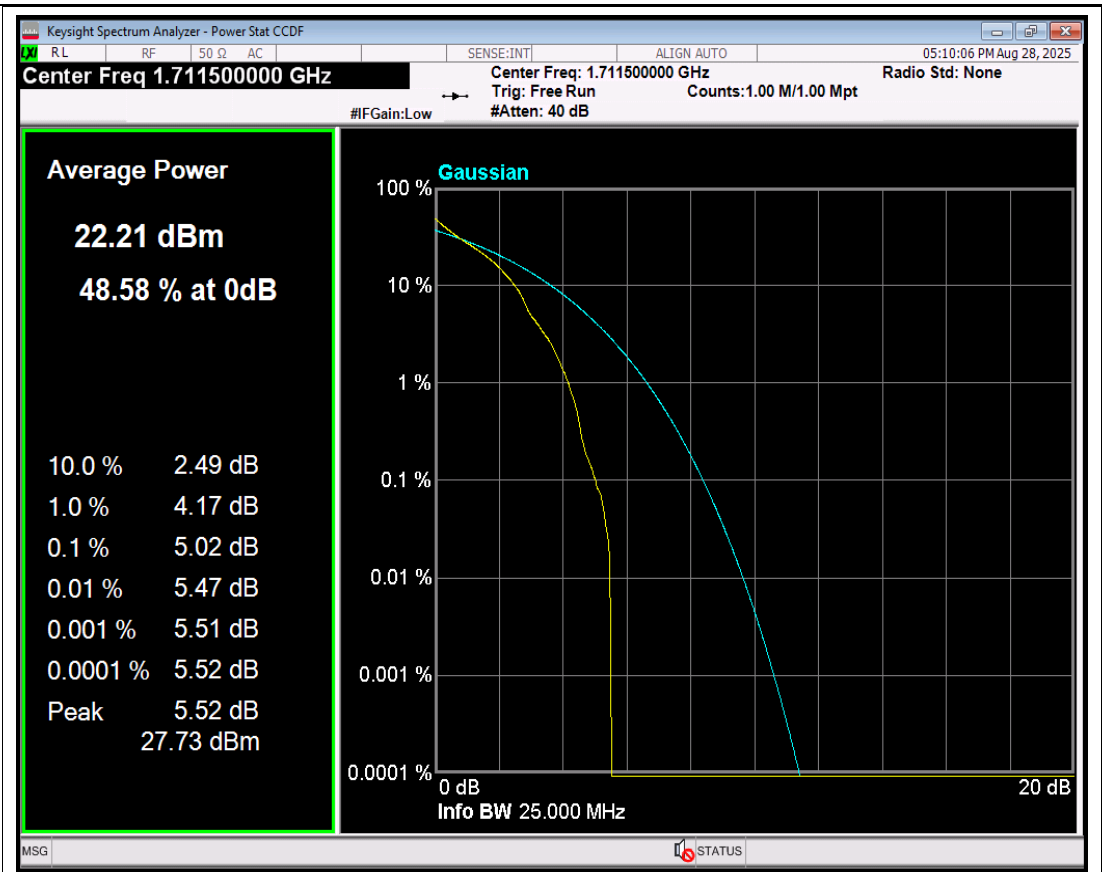
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



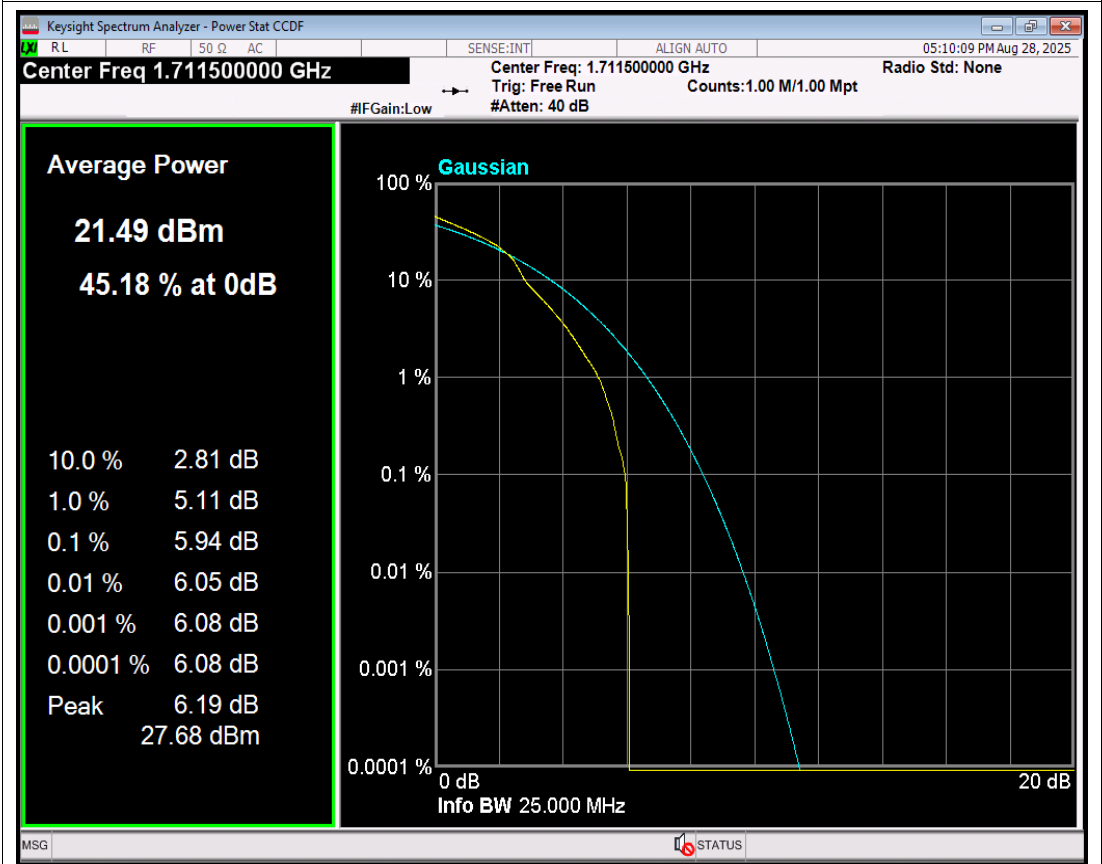
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



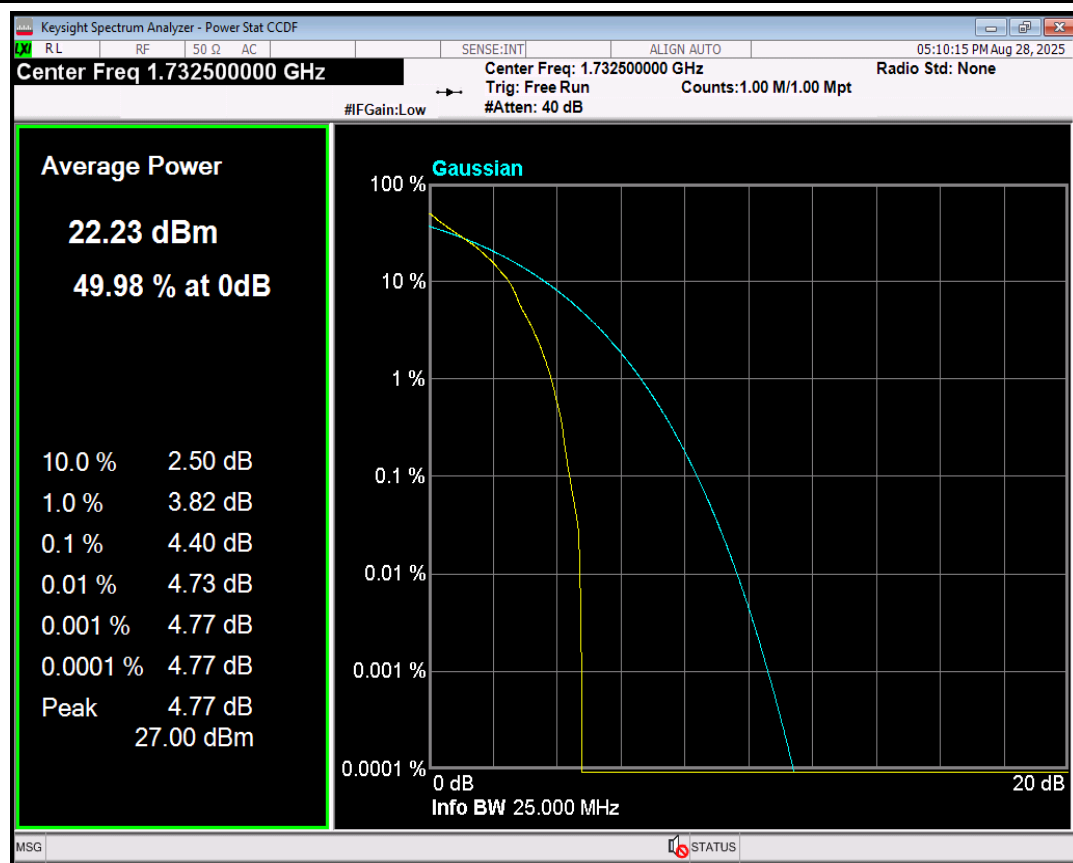
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



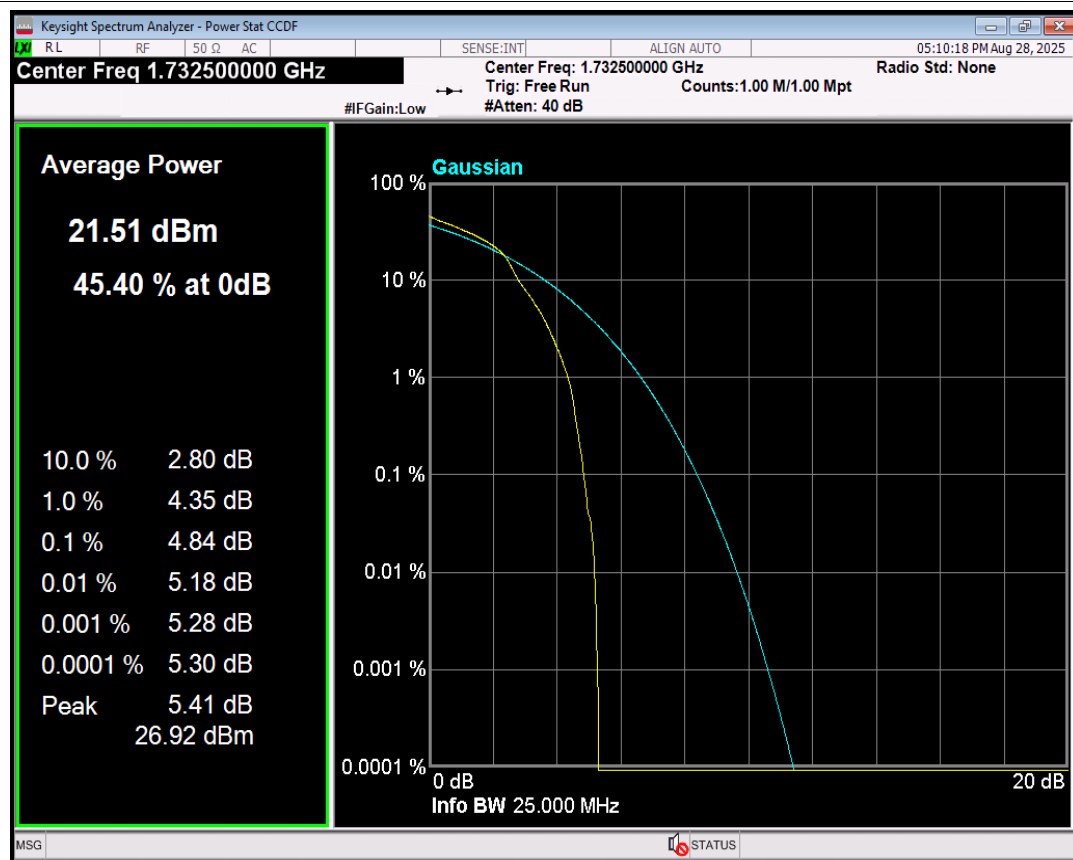
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



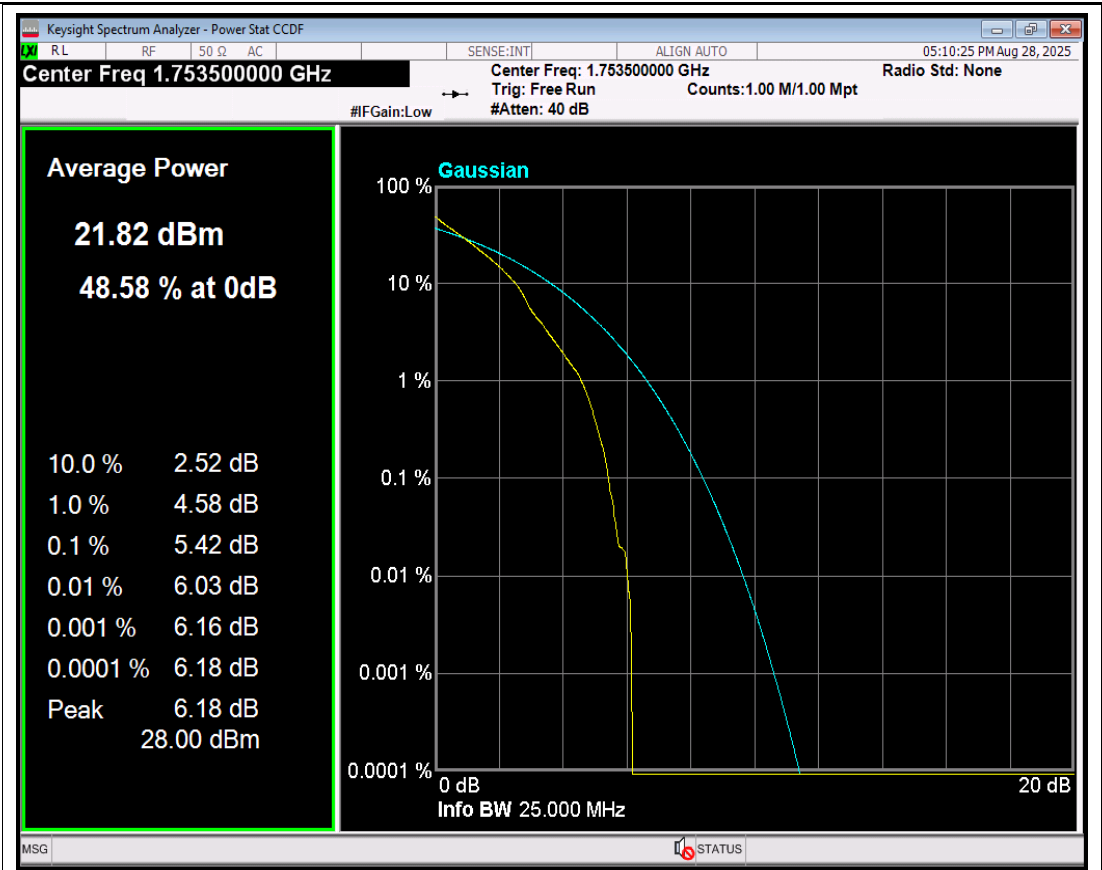
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



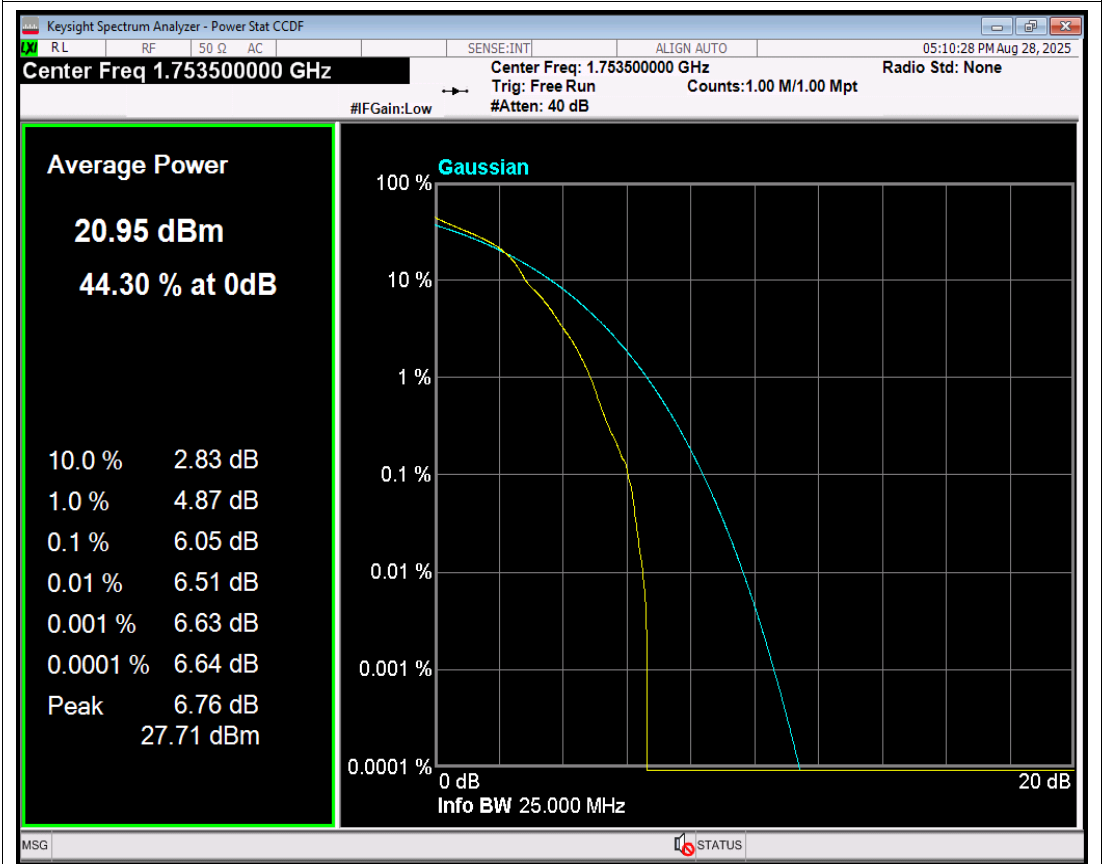
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



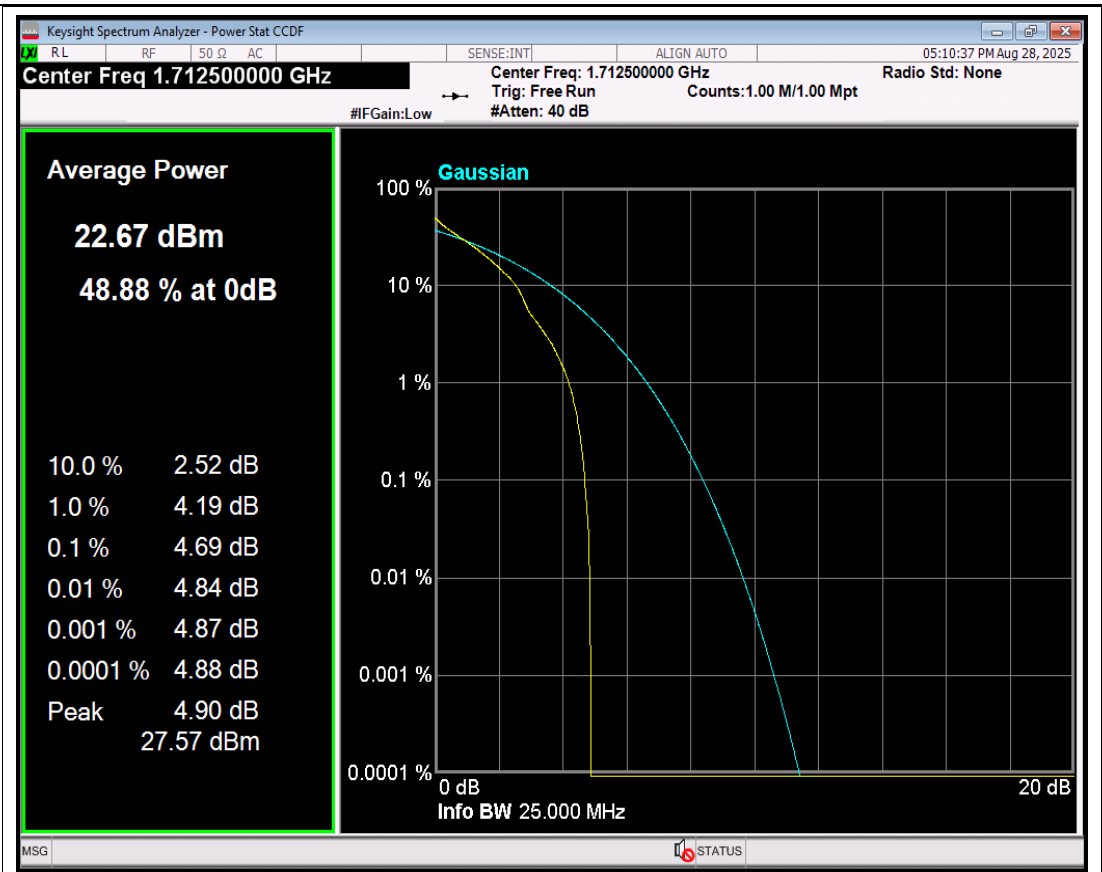
Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



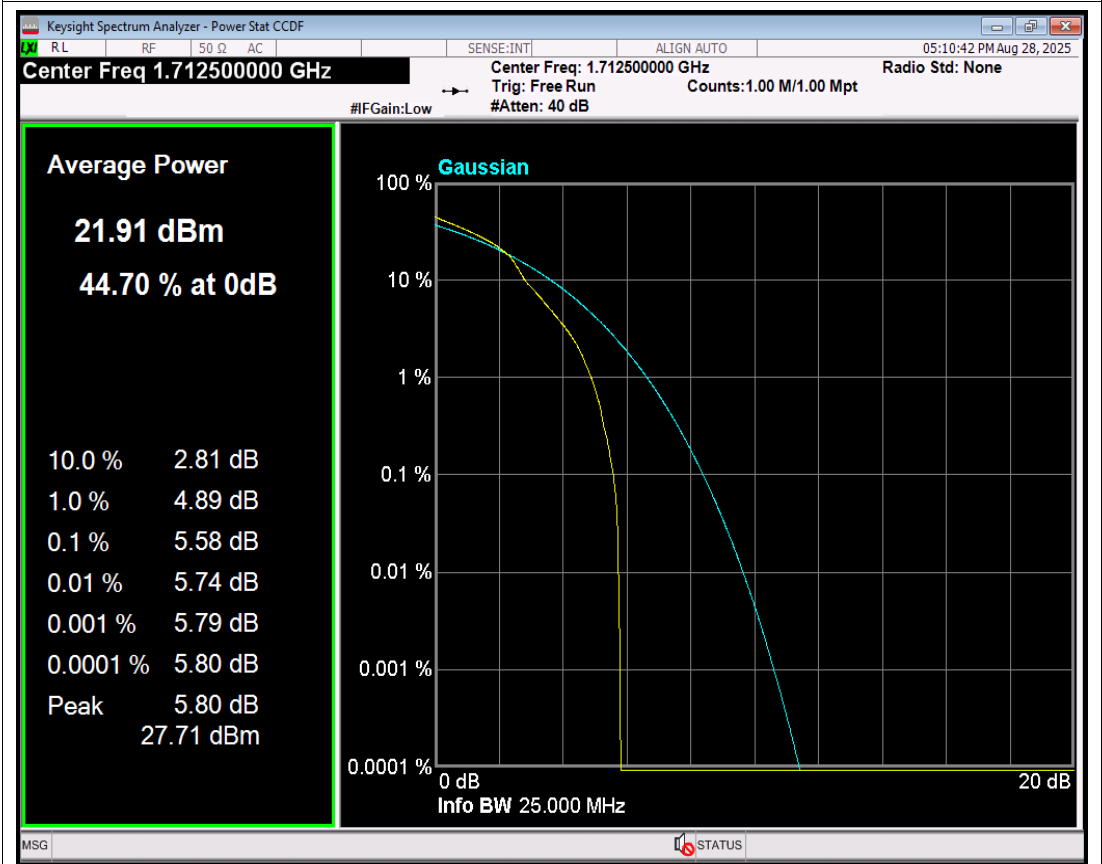
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



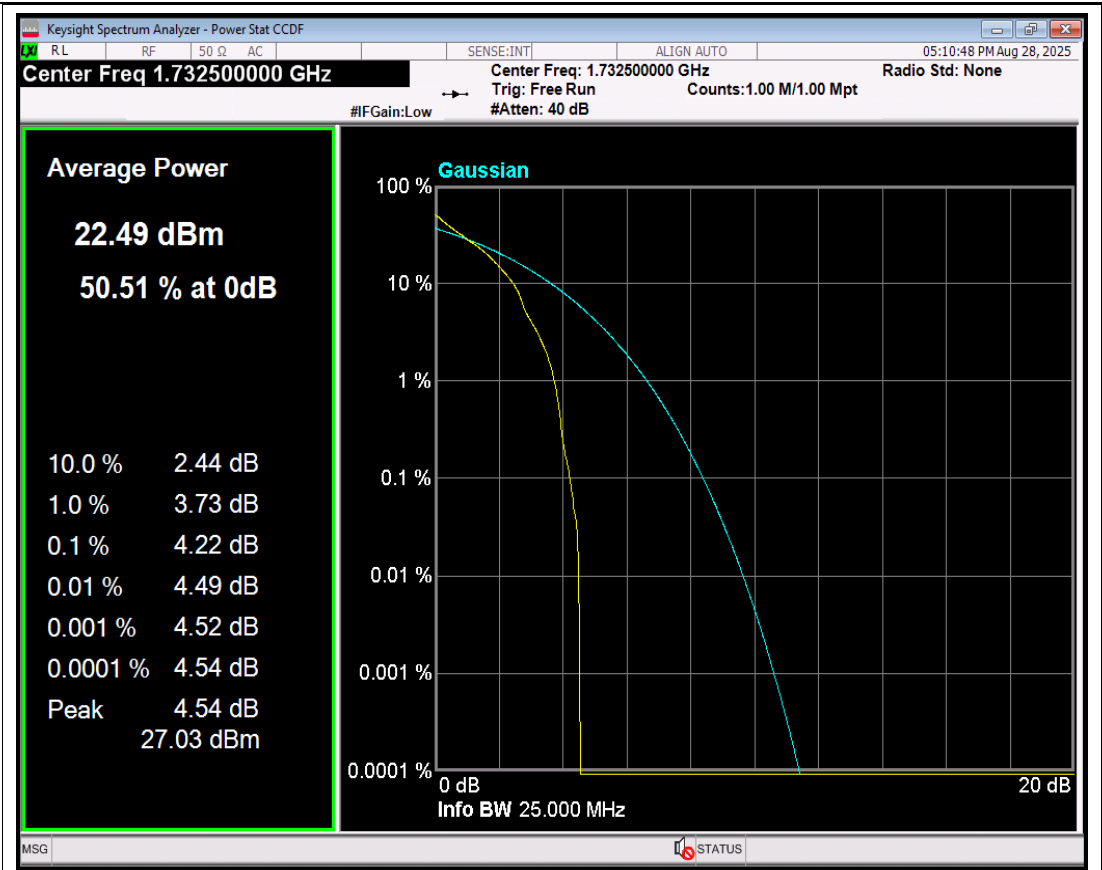
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



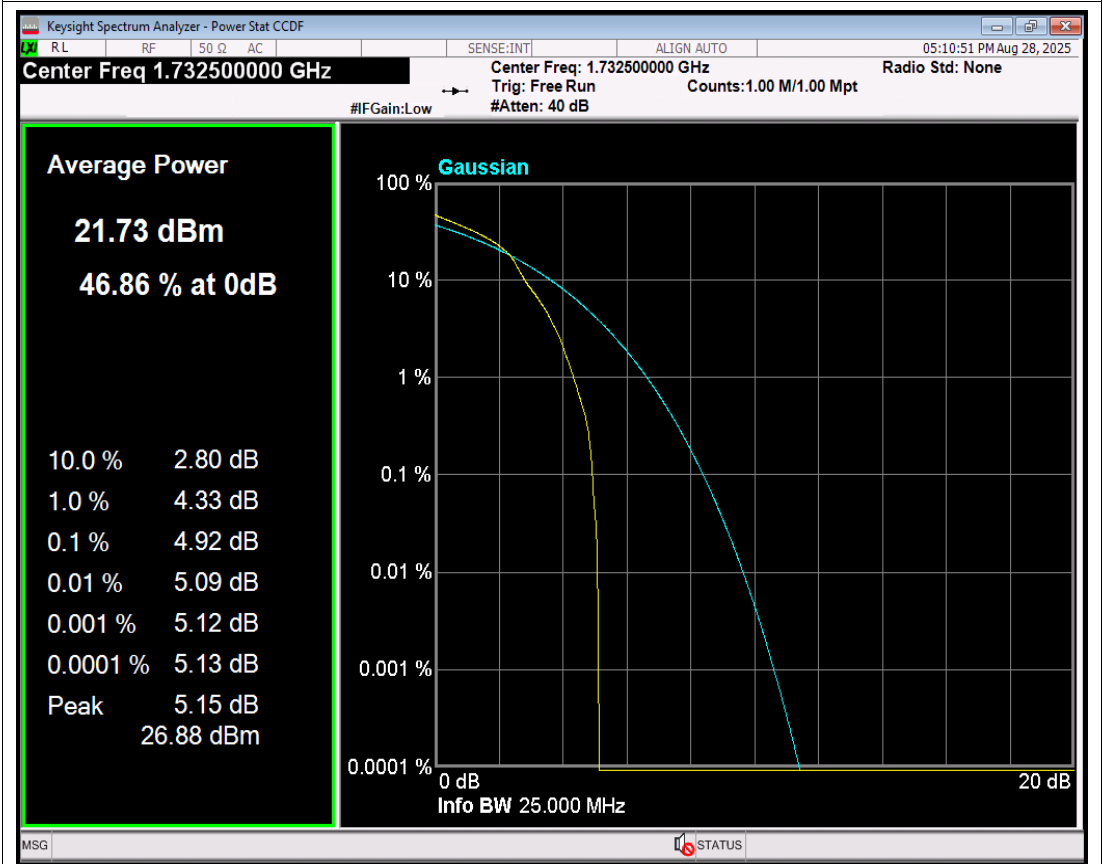
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



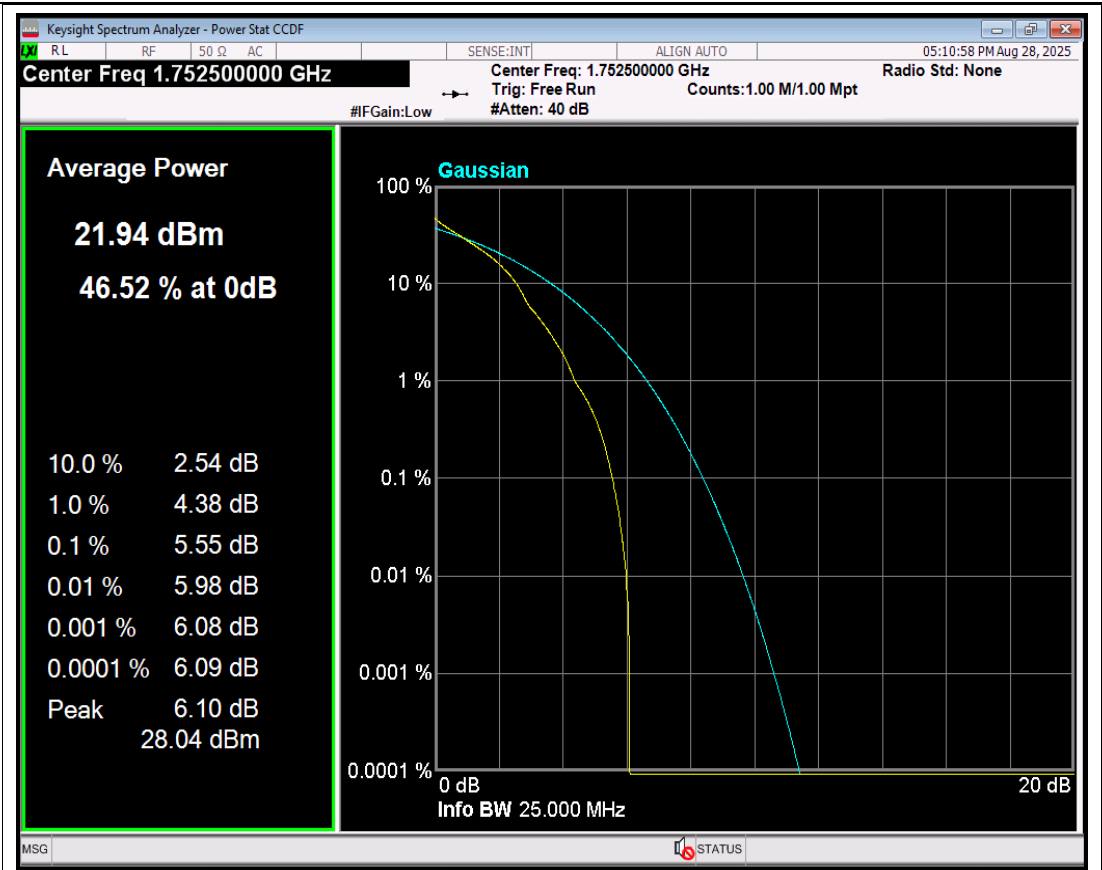
Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



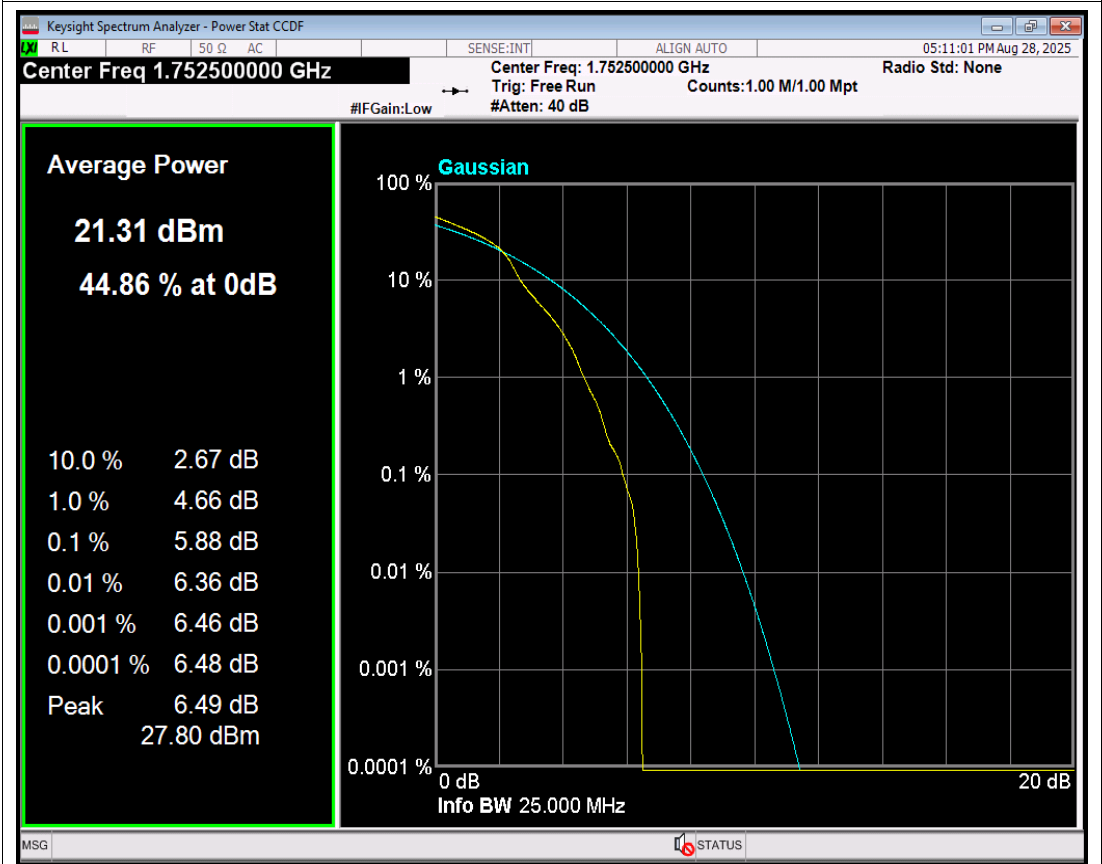
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



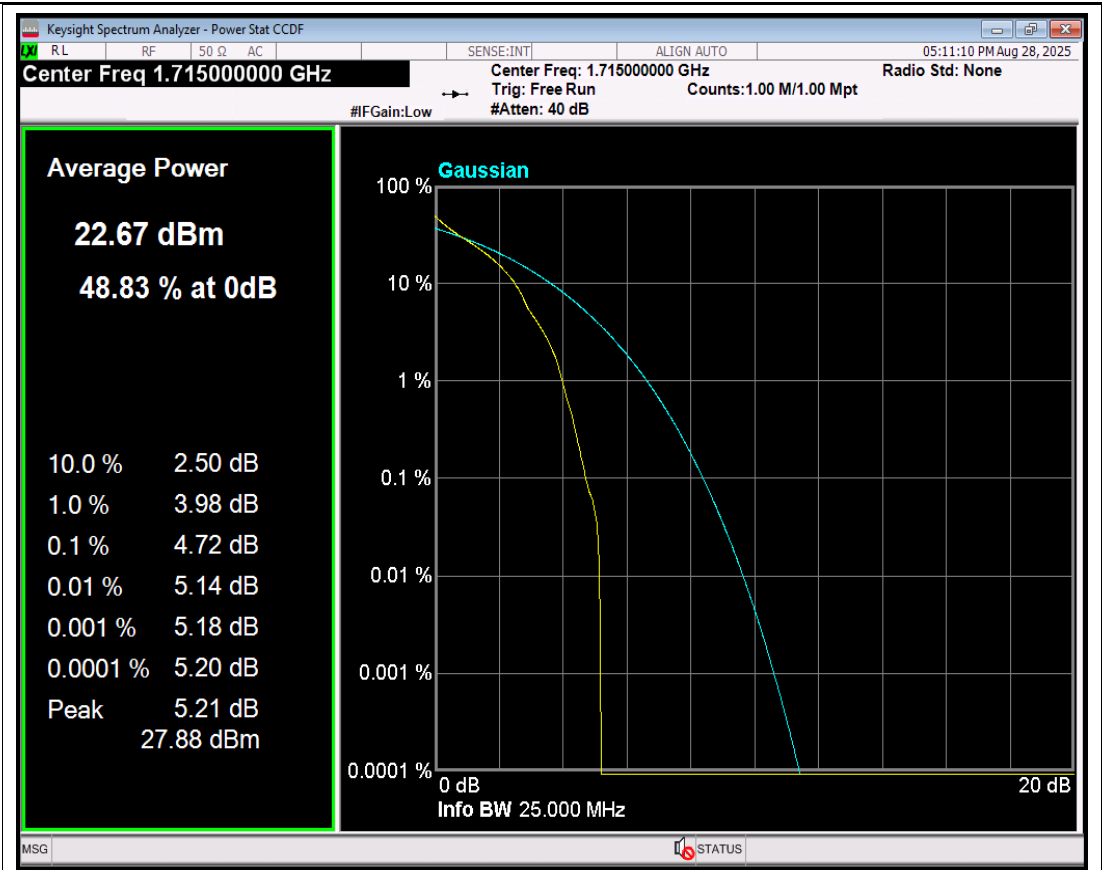
Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



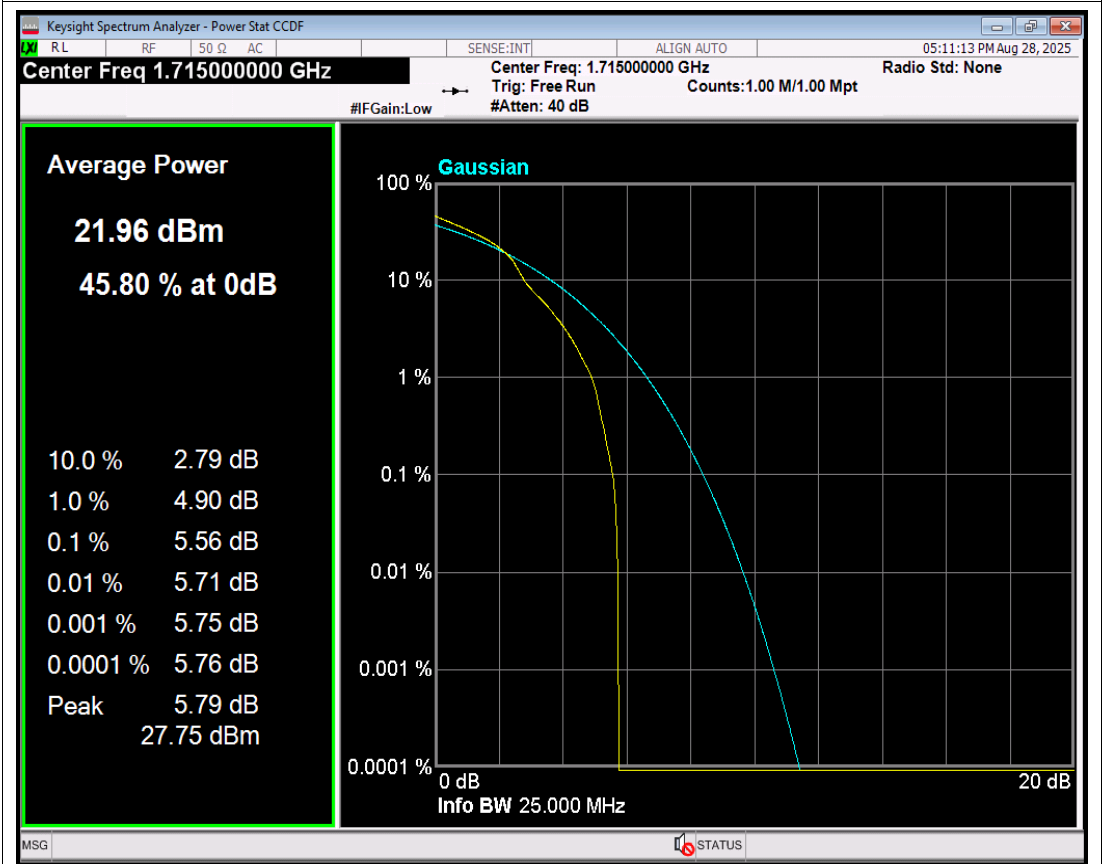
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



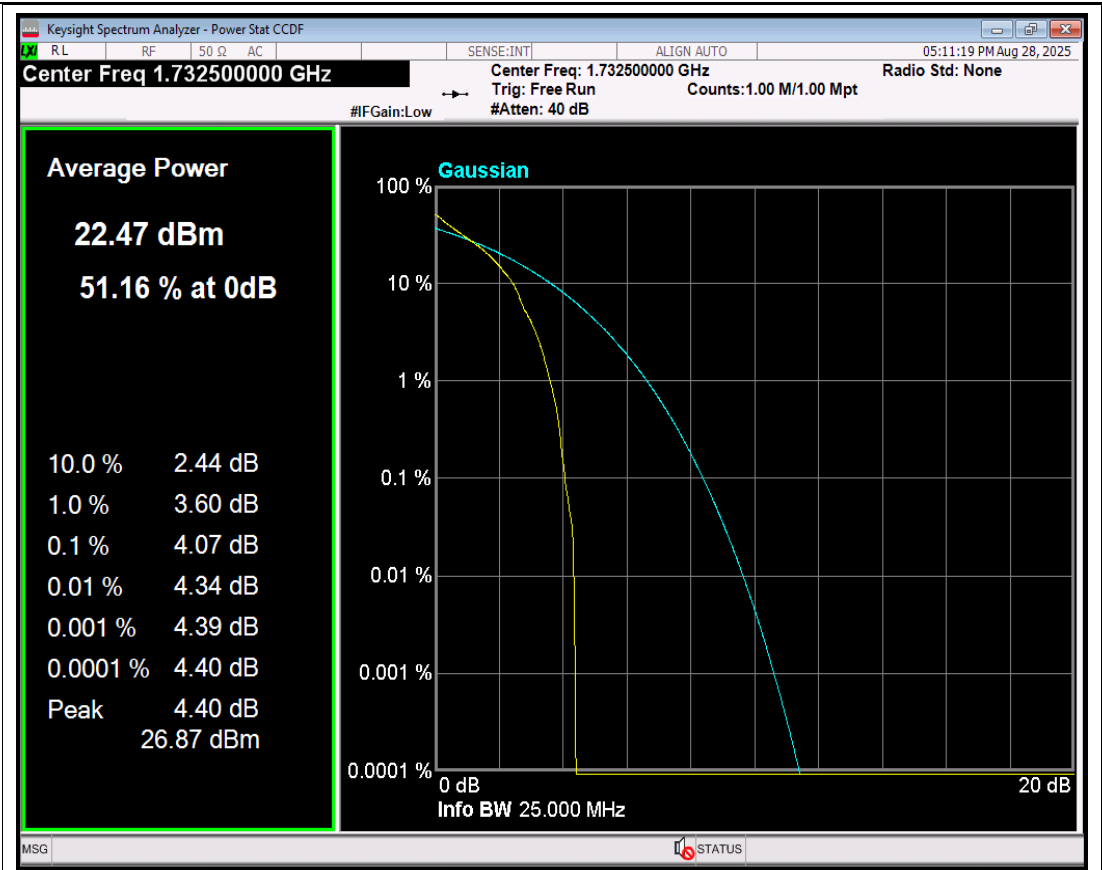
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



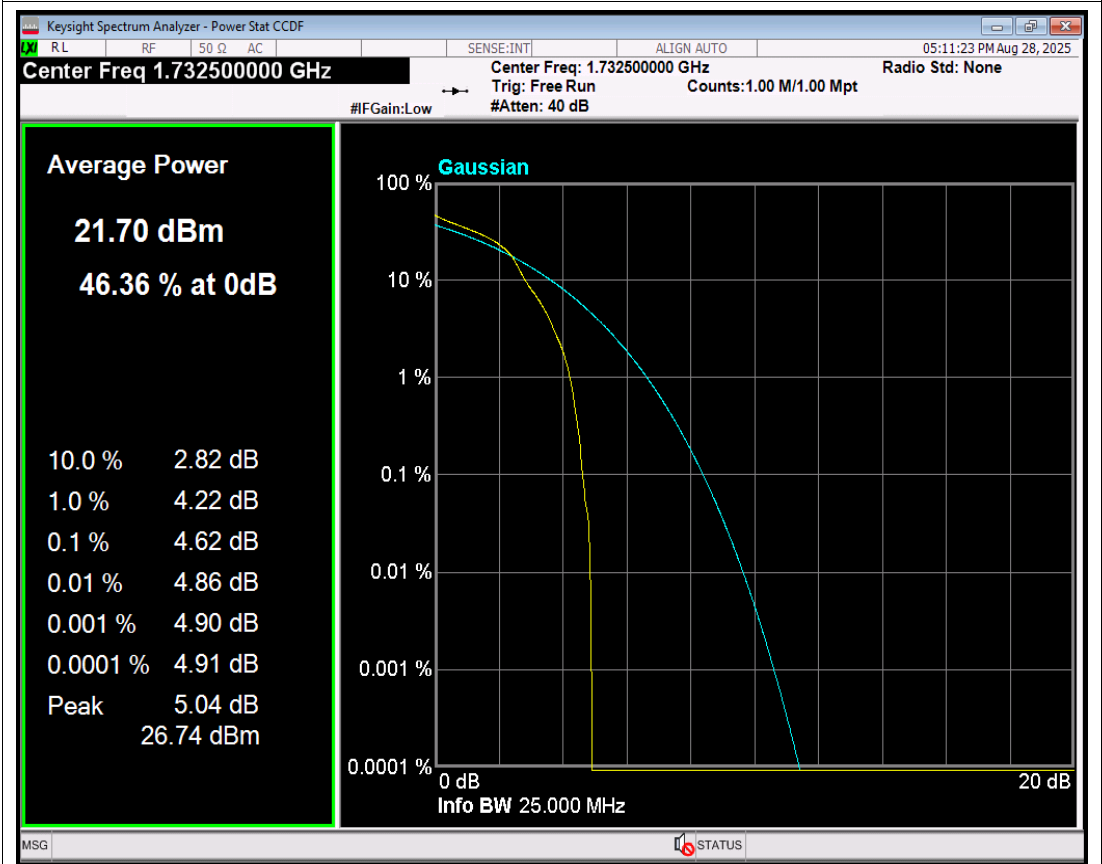
Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



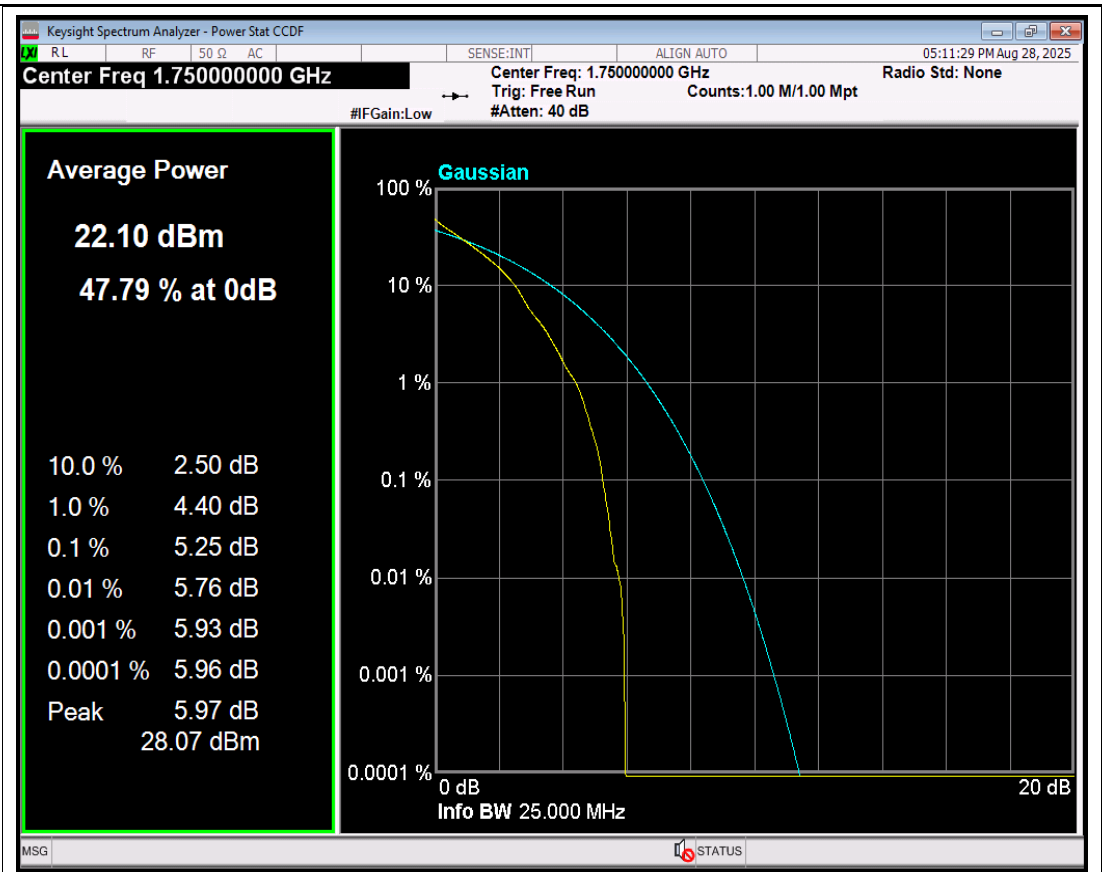
Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



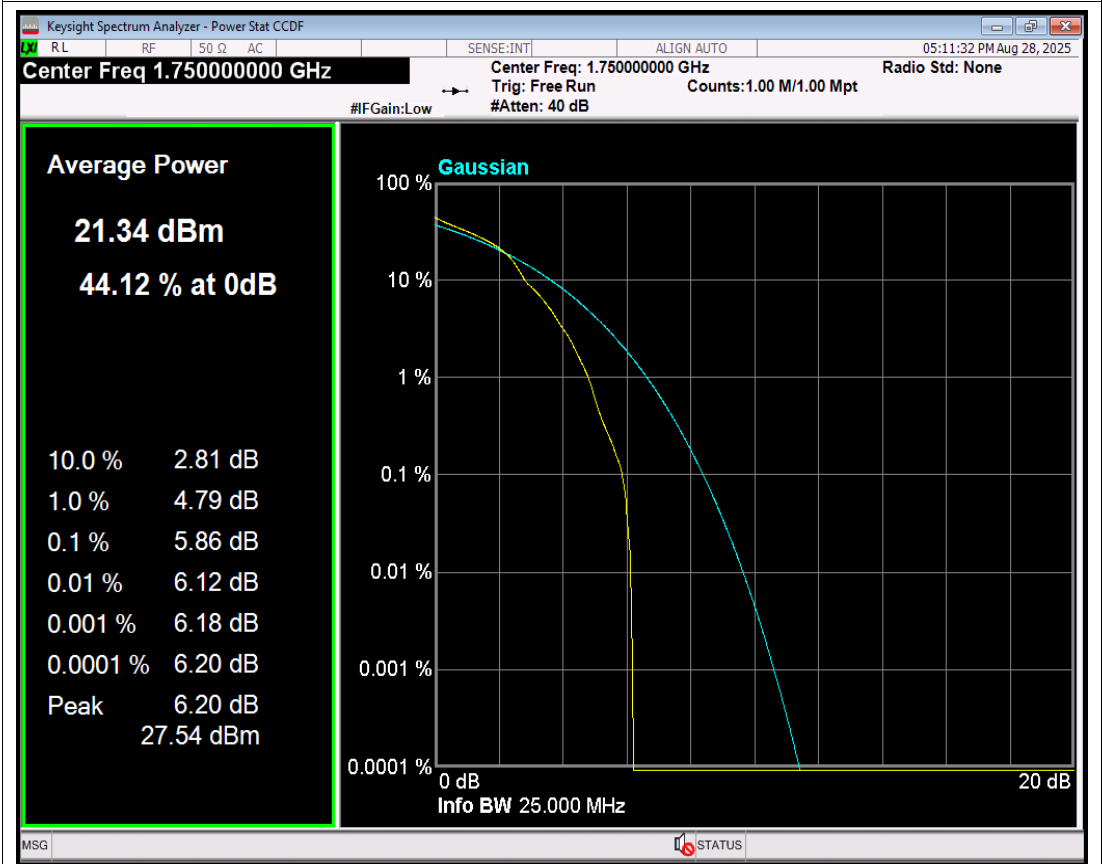
Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



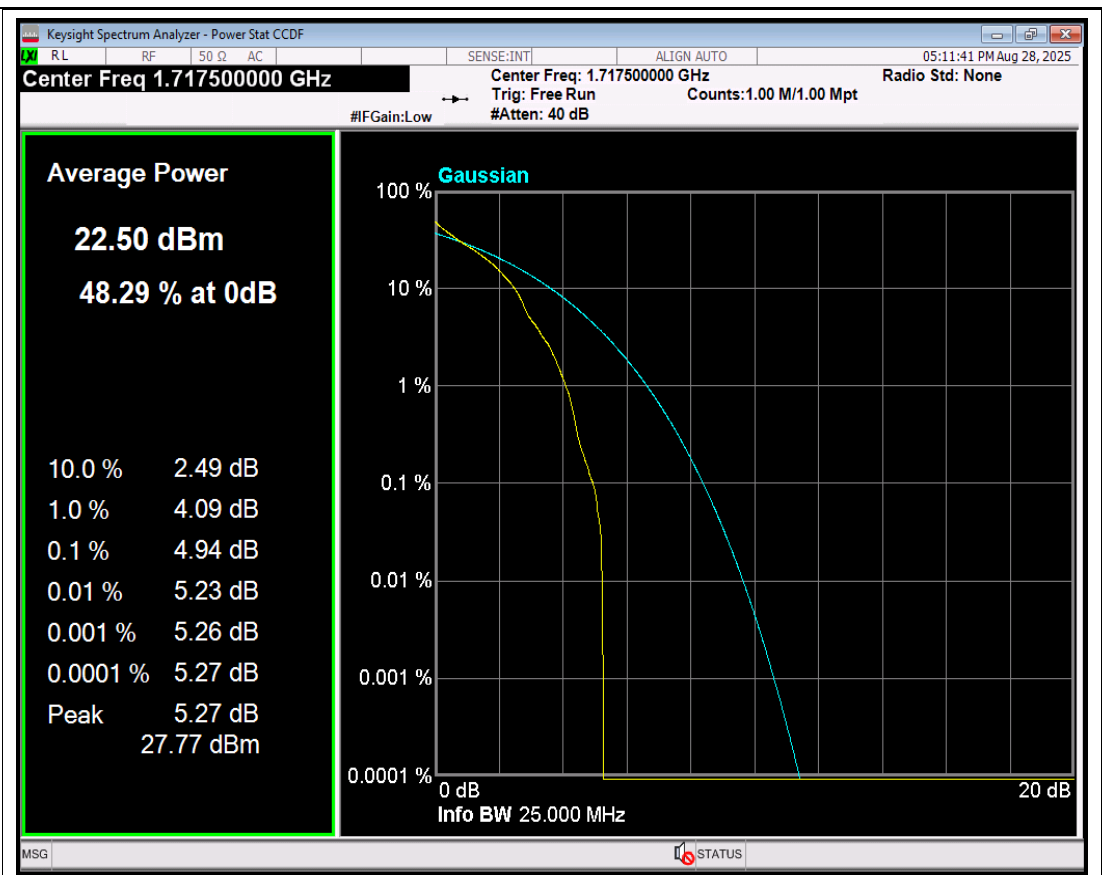
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



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



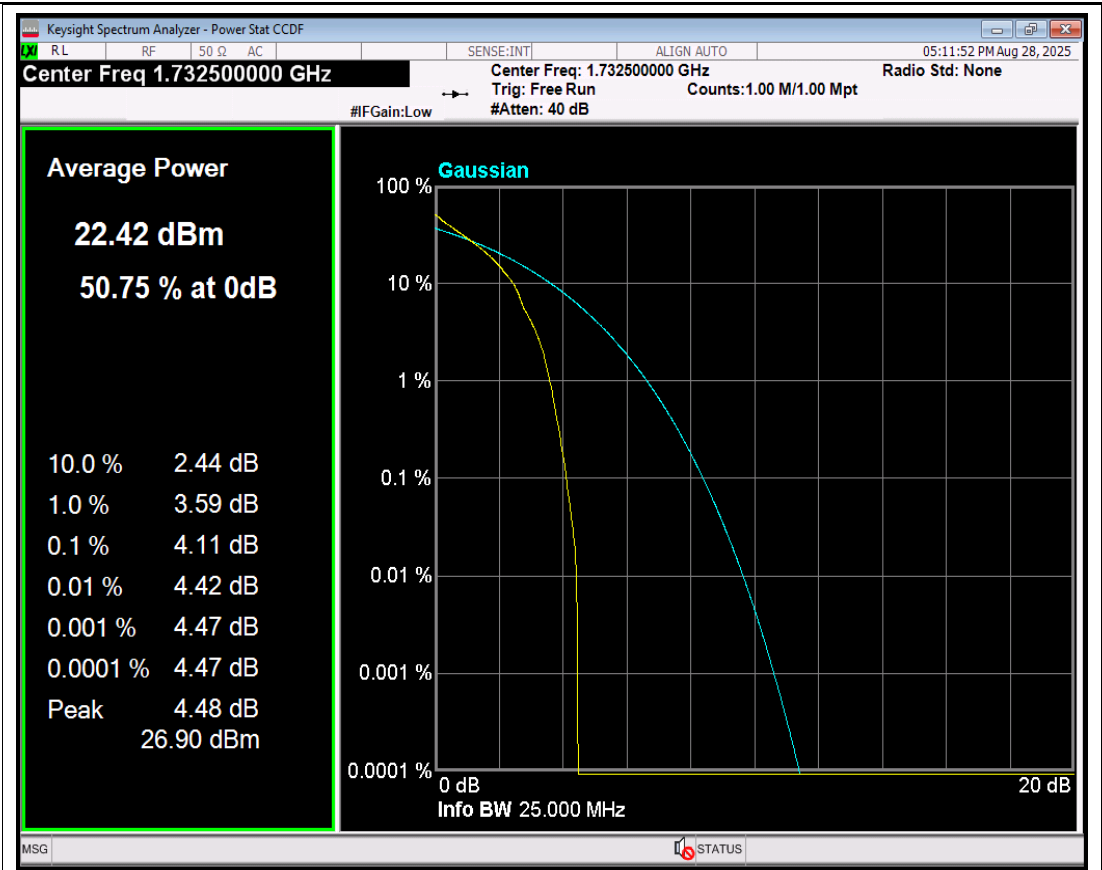
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



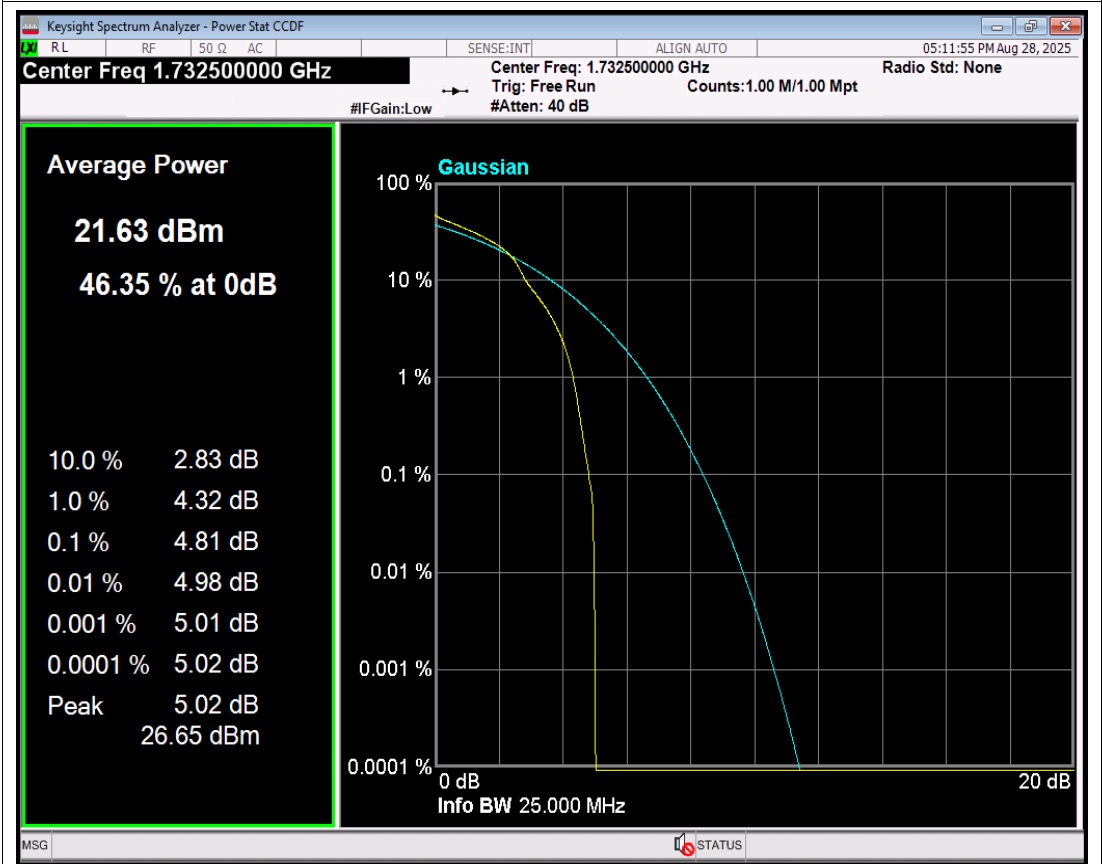
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



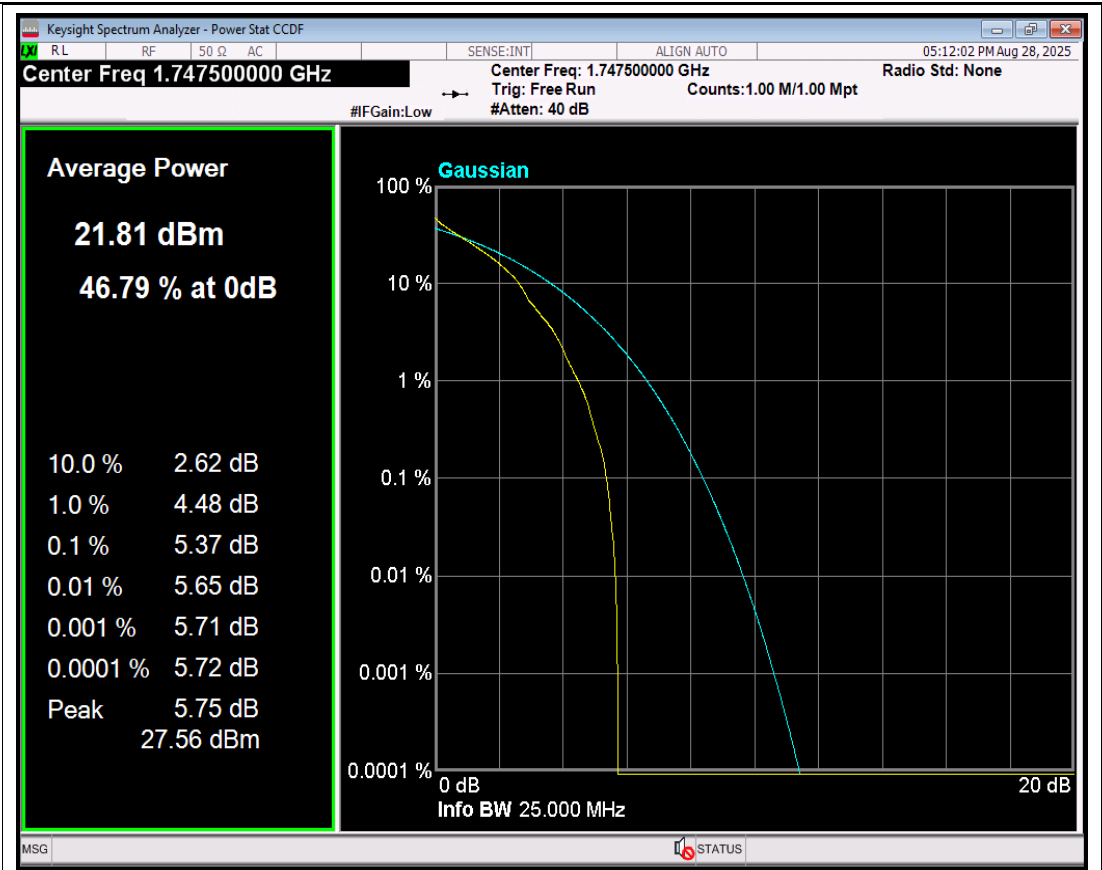
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



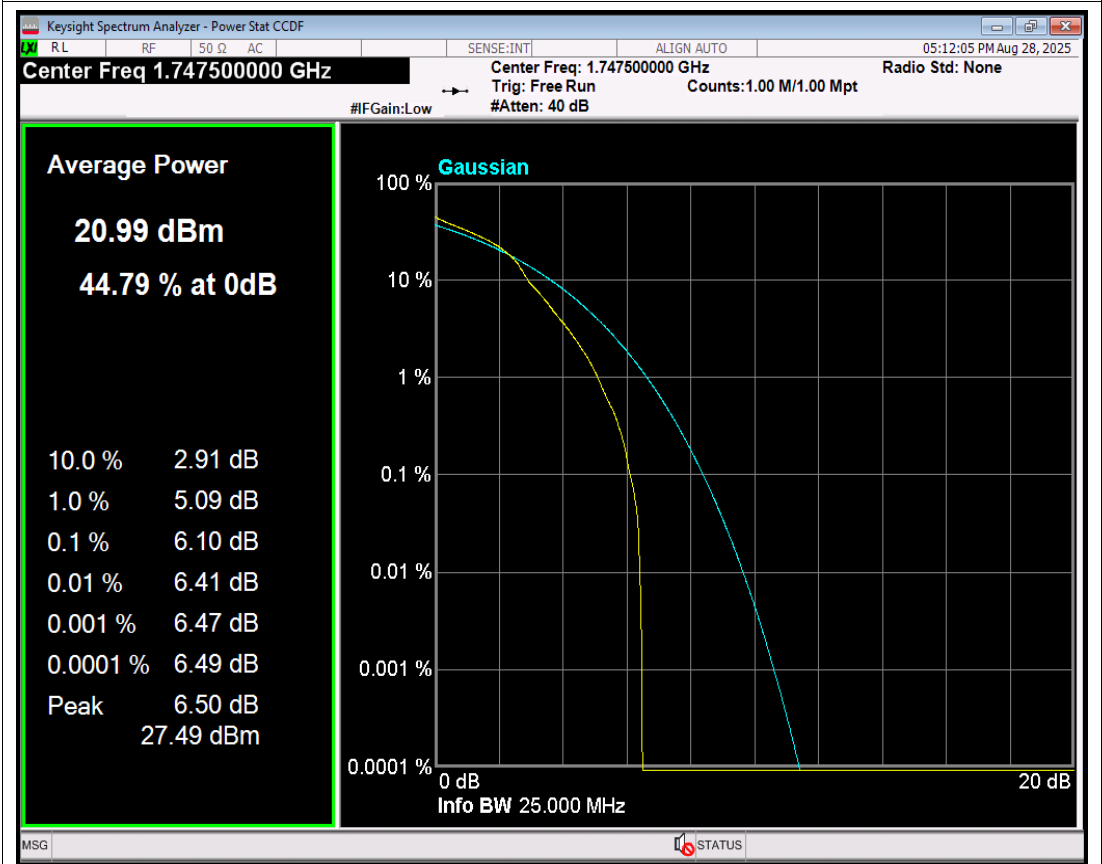
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



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



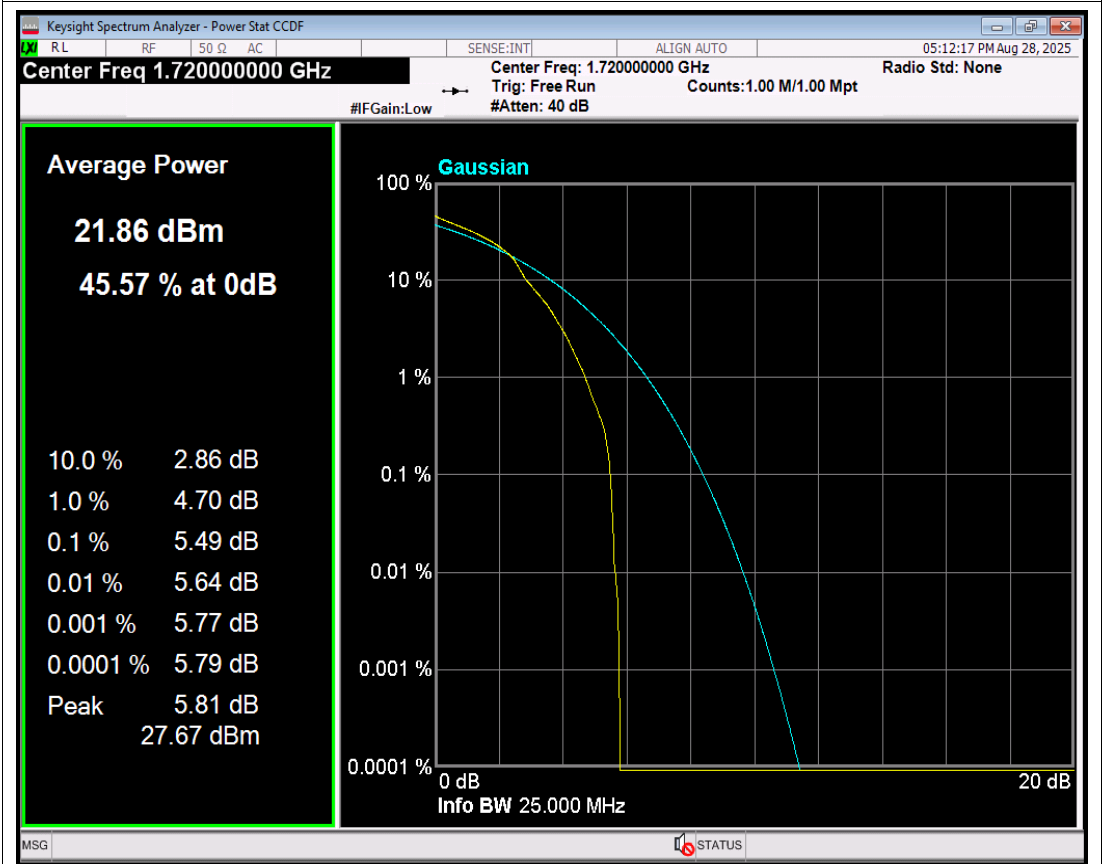
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



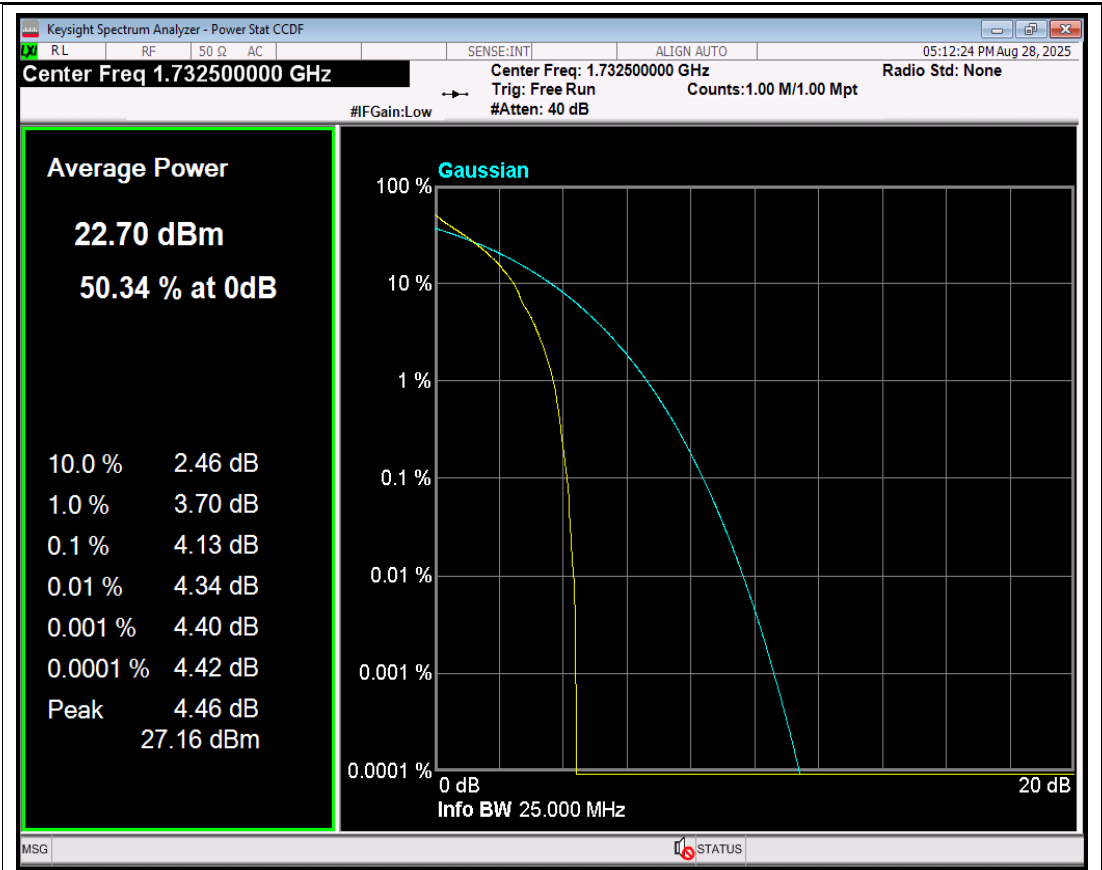
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



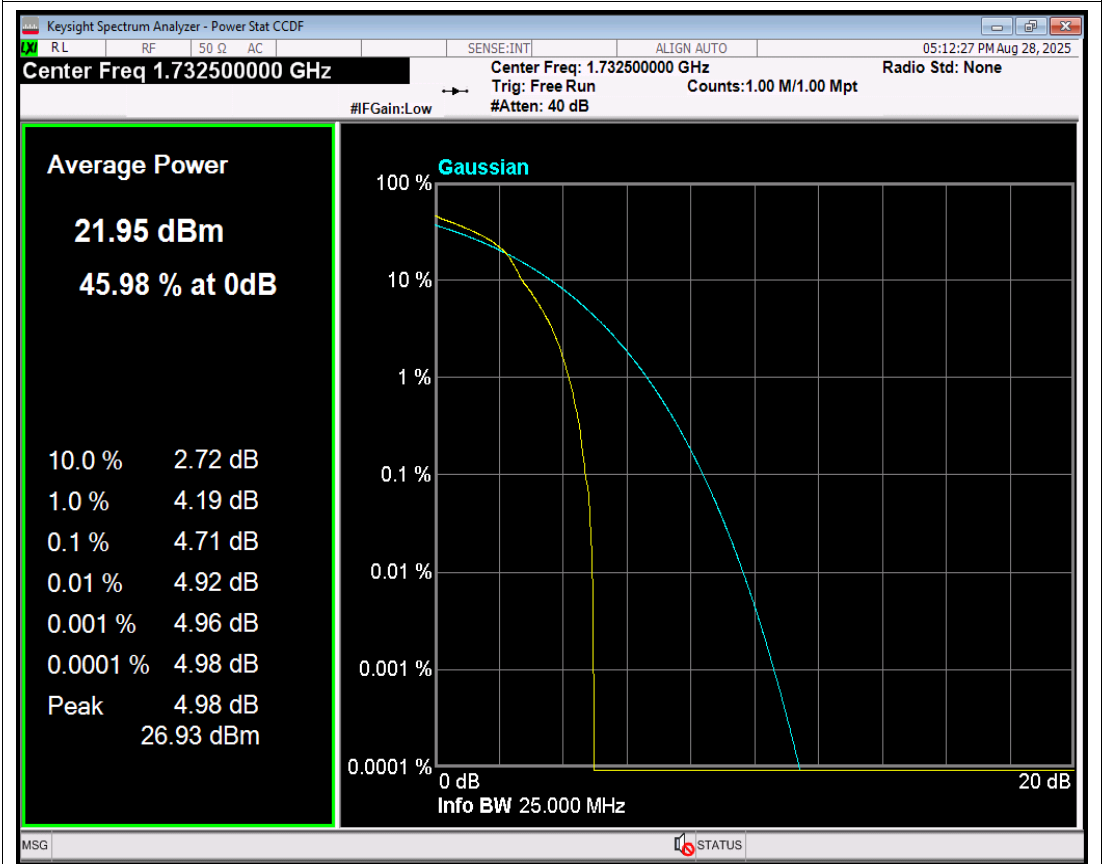
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



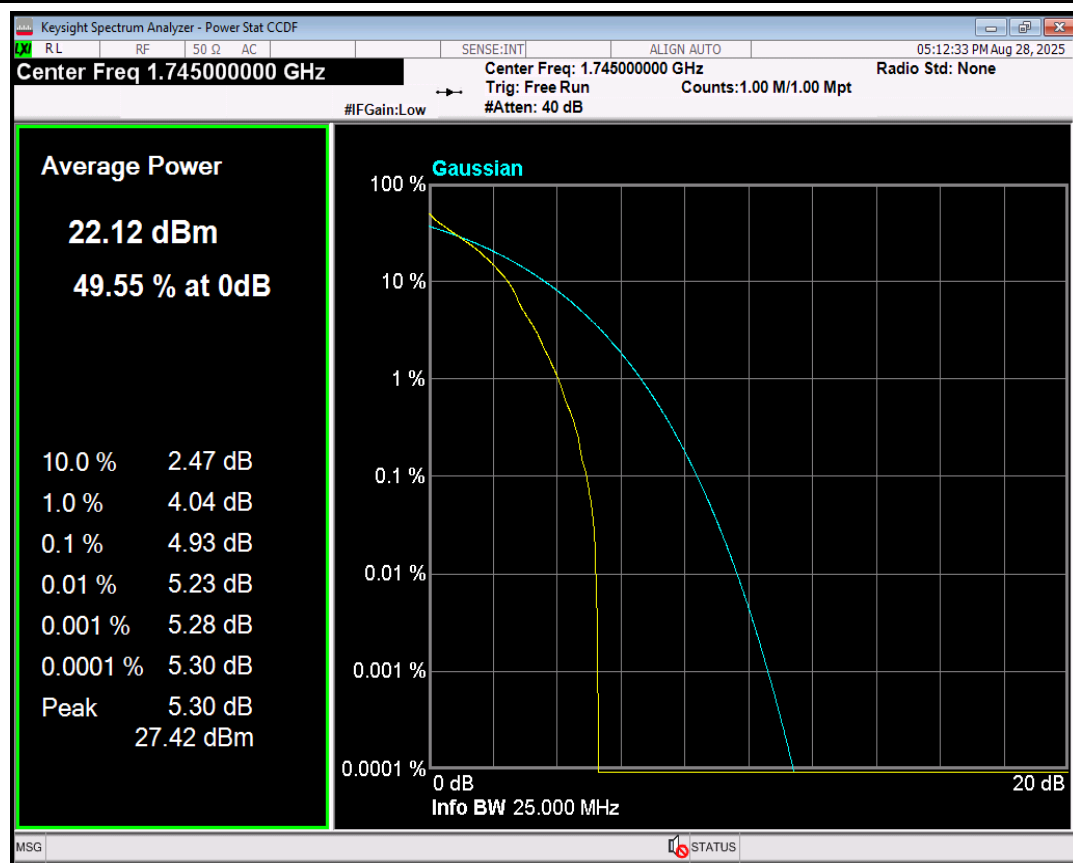
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



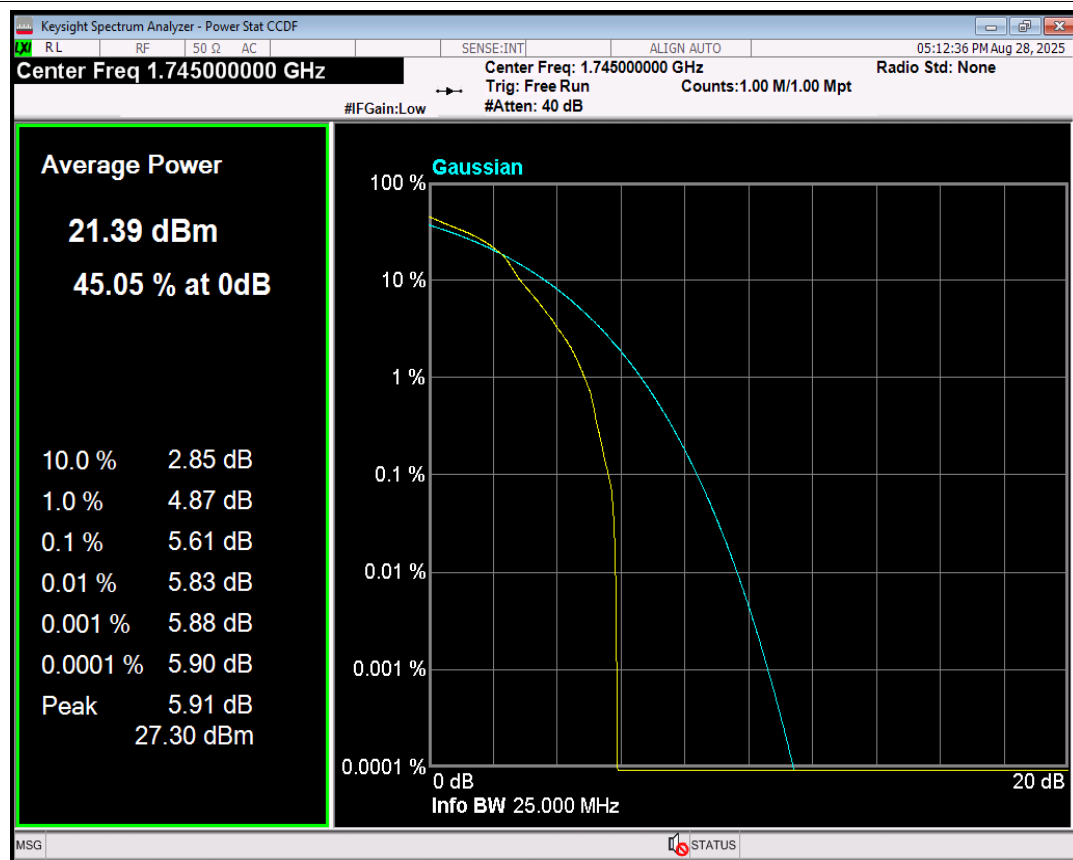
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



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



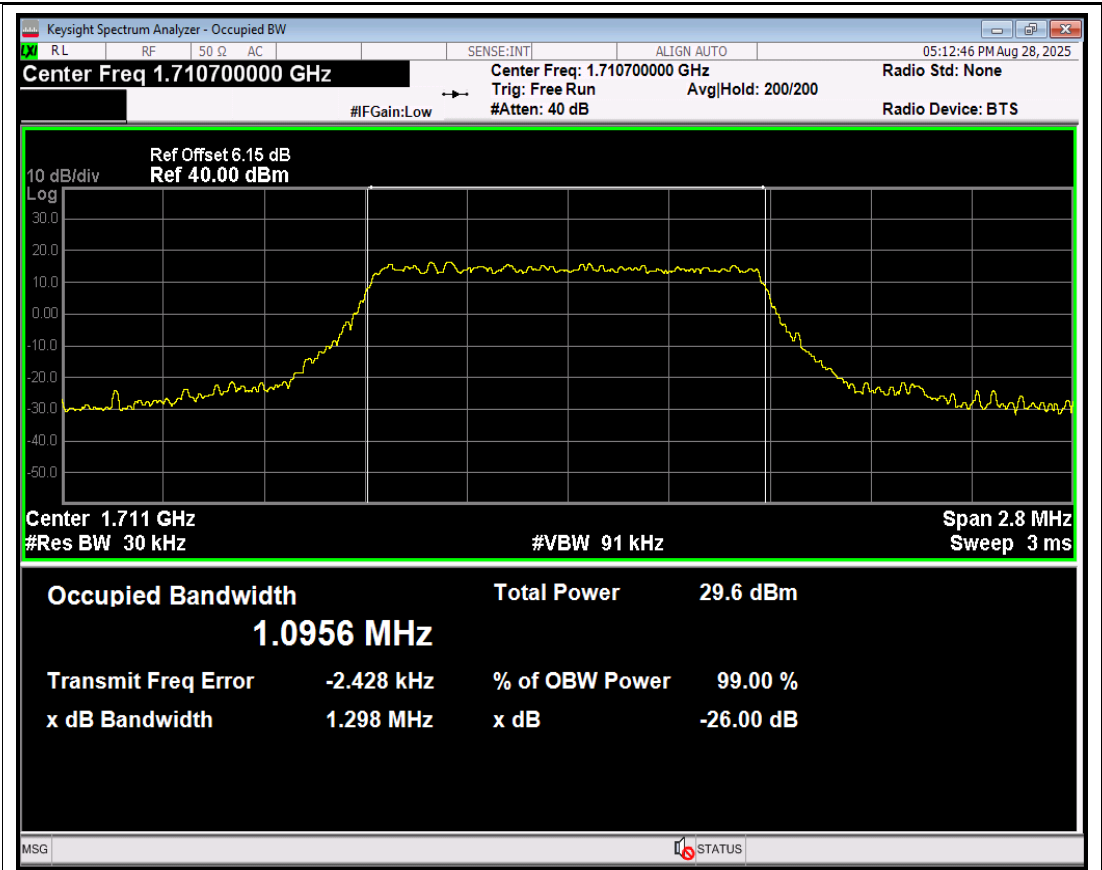
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



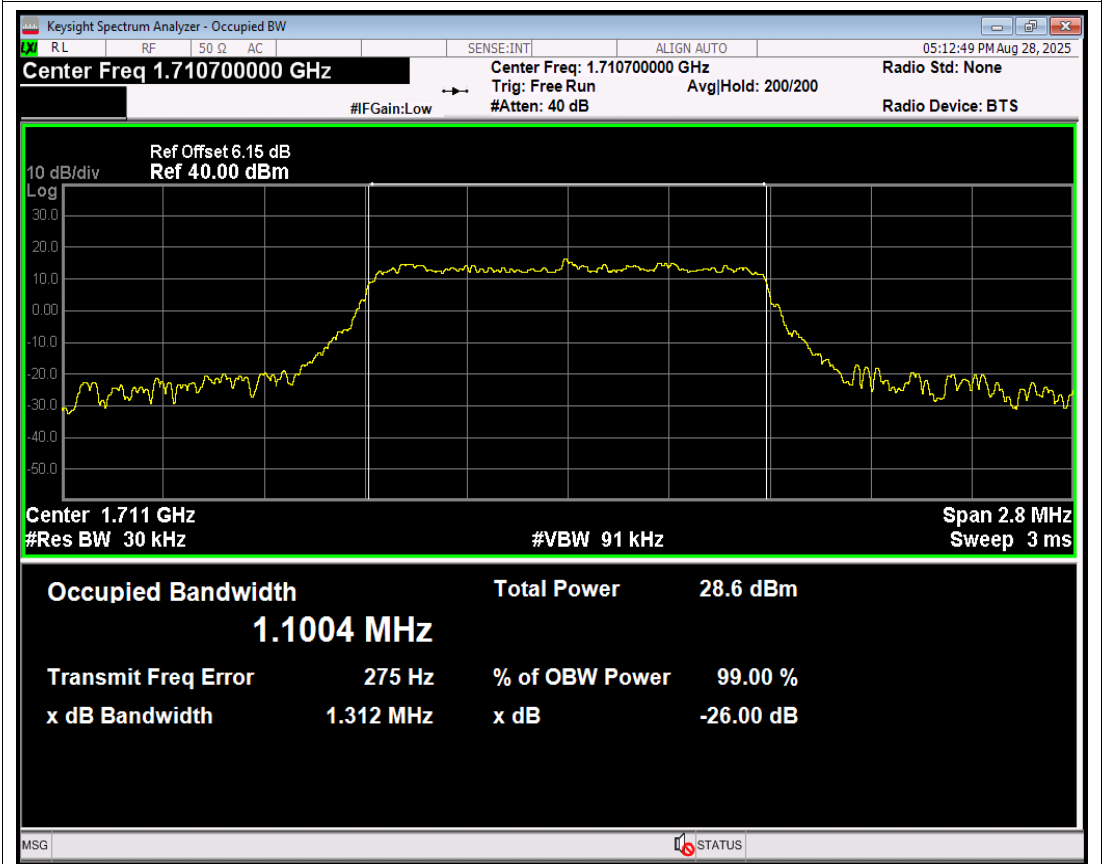
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0

Occupied bandwidth

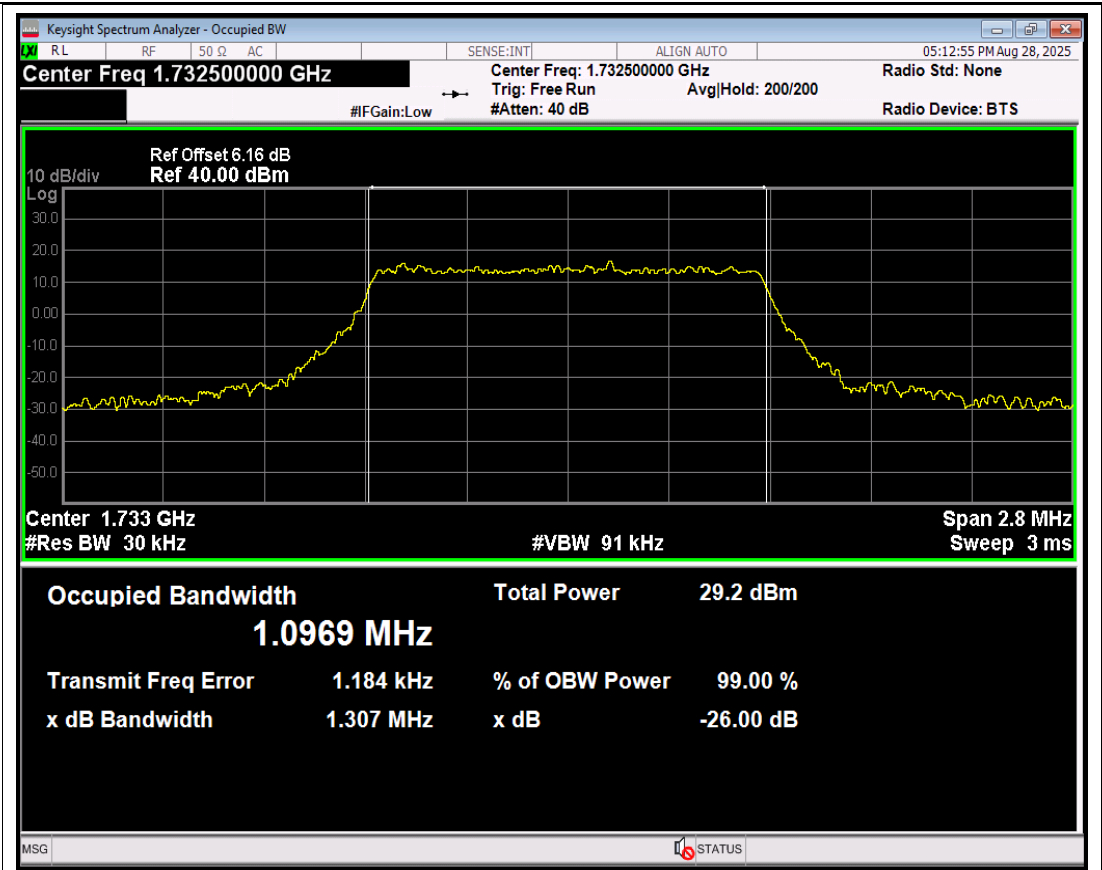
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.096	1.298	PASS
Band4	1.4	19957	6	#0	16QAM	1.100	1.312	PASS
Band4	1.4	20175	6	#0	QPSK	1.097	1.307	PASS
Band4	1.4	20175	6	#0	16QAM	1.101	1.342	PASS
Band4	1.4	20393	6	#0	QPSK	1.094	1.276	PASS
Band4	1.4	20393	6	#0	16QAM	1.105	1.327	PASS
Band4	3	19965	15	#0	QPSK	2.710	3.115	PASS
Band4	3	19965	15	#0	16QAM	2.719	3.159	PASS
Band4	3	20175	15	#0	QPSK	2.711	3.104	PASS
Band4	3	20175	15	#0	16QAM	2.707	3.073	PASS
Band4	3	20385	15	#0	QPSK	2.709	3.152	PASS
Band4	3	20385	15	#0	16QAM	2.711	3.172	PASS
Band4	5	19975	25	#0	QPSK	4.535	5.488	PASS
Band4	5	19975	25	#0	16QAM	4.524	5.424	PASS
Band4	5	20175	25	#0	QPSK	4.535	5.311	PASS
Band4	5	20175	25	#0	16QAM	4.521	5.464	PASS
Band4	5	20375	25	#0	QPSK	4.540	5.408	PASS
Band4	5	20375	25	#0	16QAM	4.538	5.581	PASS
Band4	10	20000	50	#0	QPSK	9.009	10.420	PASS
Band4	10	20175	50	#0	QPSK	9.000	10.413	PASS
Band4	10	20350	50	#0	QPSK	9.014	10.421	PASS
Band4	15	20025	75	#0	QPSK	13.453	15.592	PASS
Band4	15	20175	75	#0	QPSK	13.478	15.261	PASS
Band4	15	20325	75	#0	QPSK	13.485	15.342	PASS
Band4	20	20050	100	#0	QPSK	17.896	20.074	PASS
Band4	20	20175	100	#0	QPSK	17.947	20.441	PASS
Band4	20	20300	100	#0	QPSK	17.975	20.007	PASS



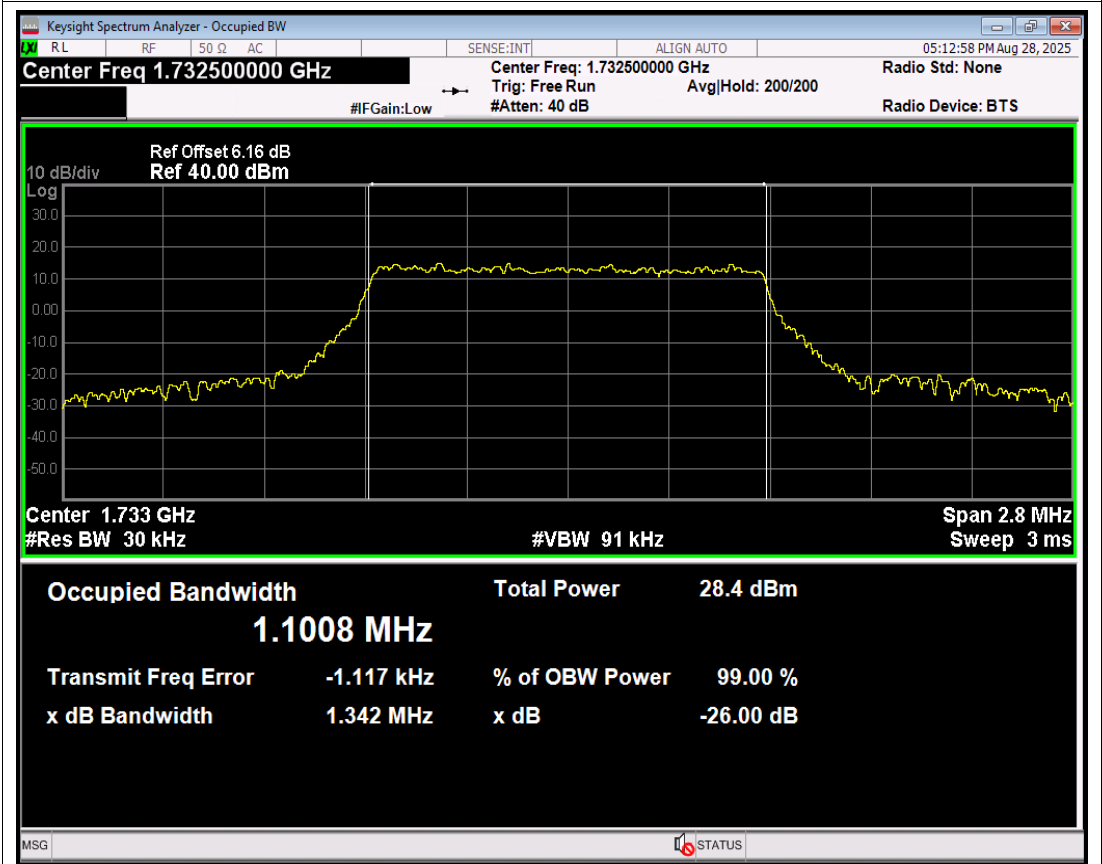
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



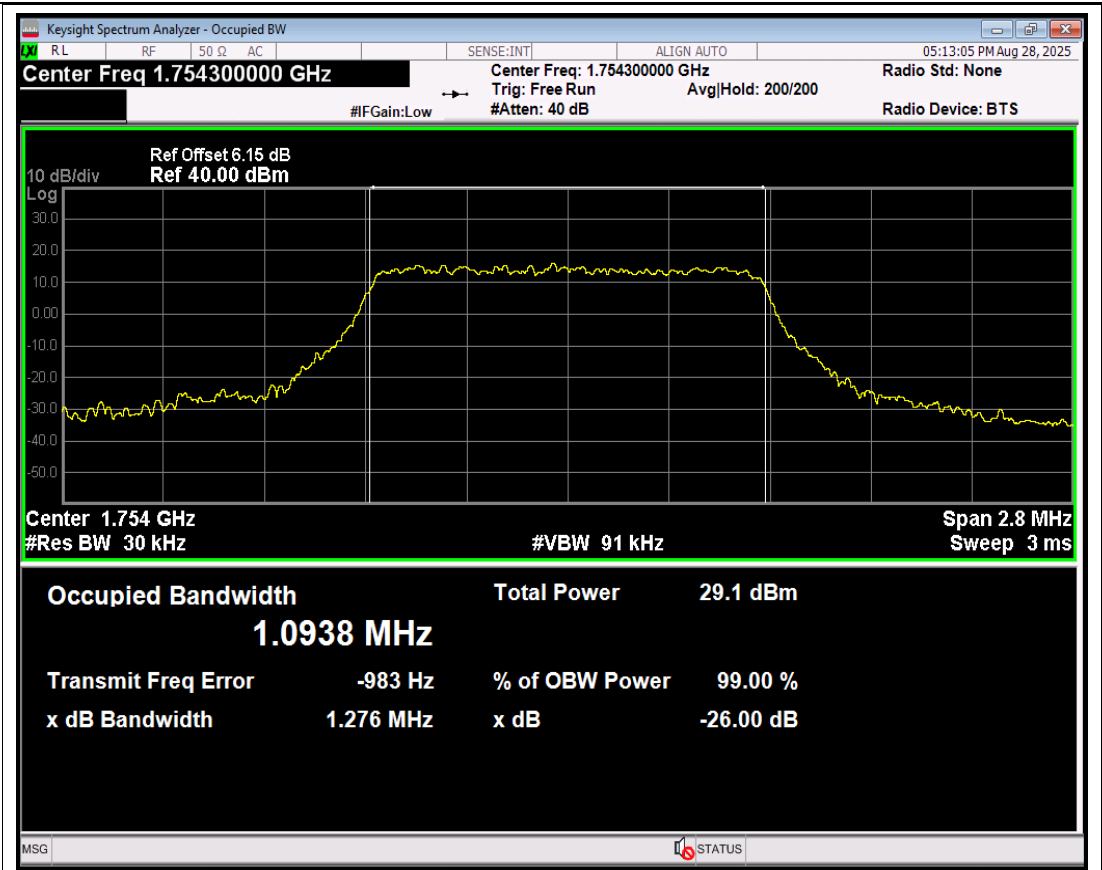
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



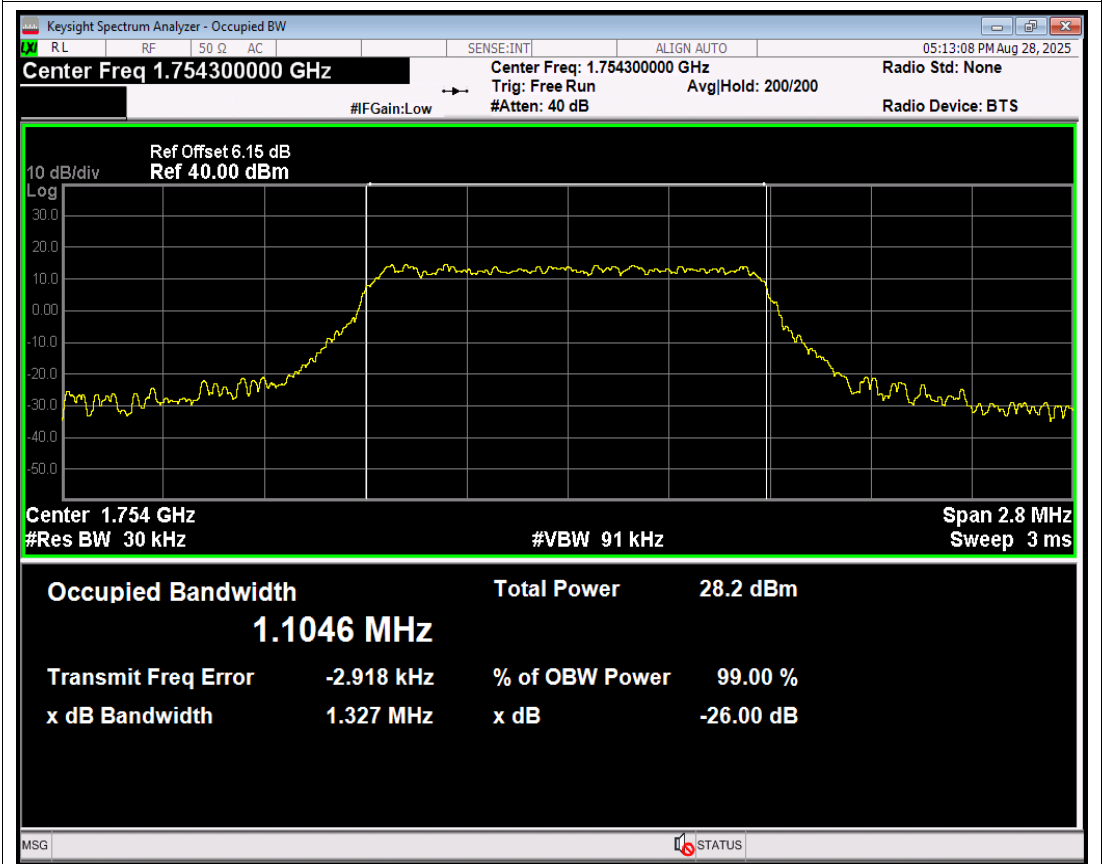
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



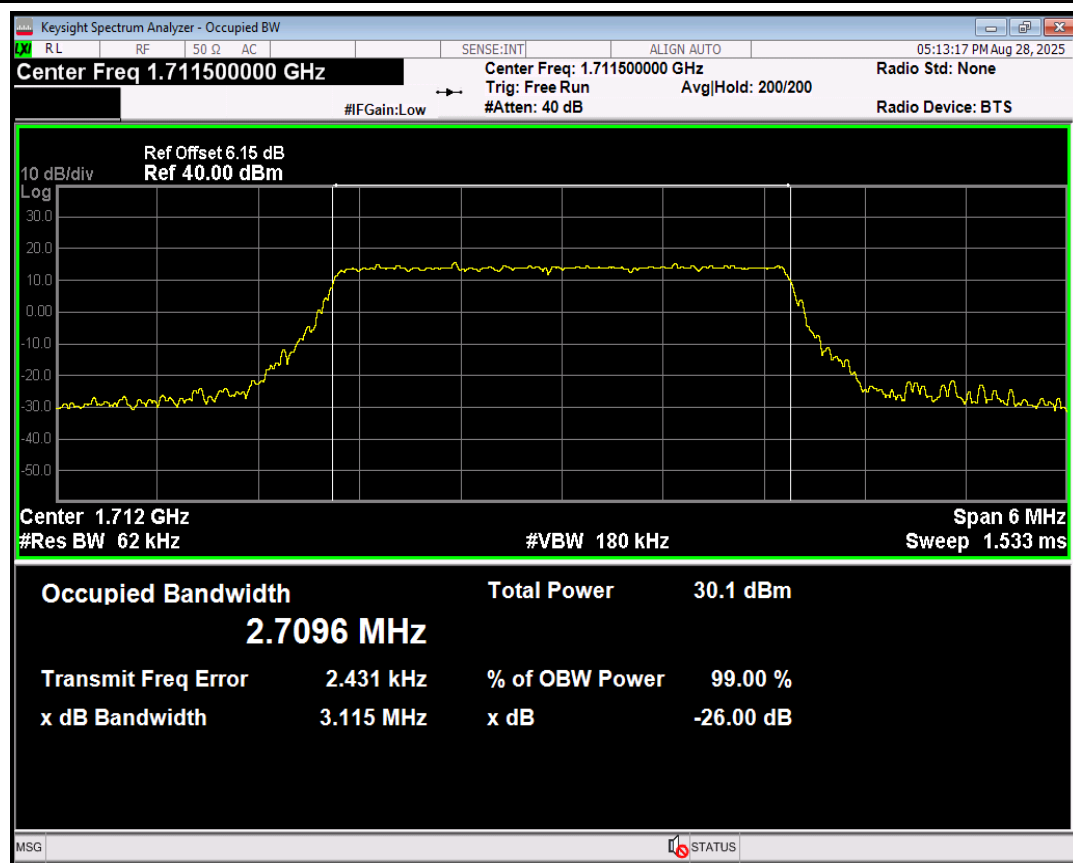
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



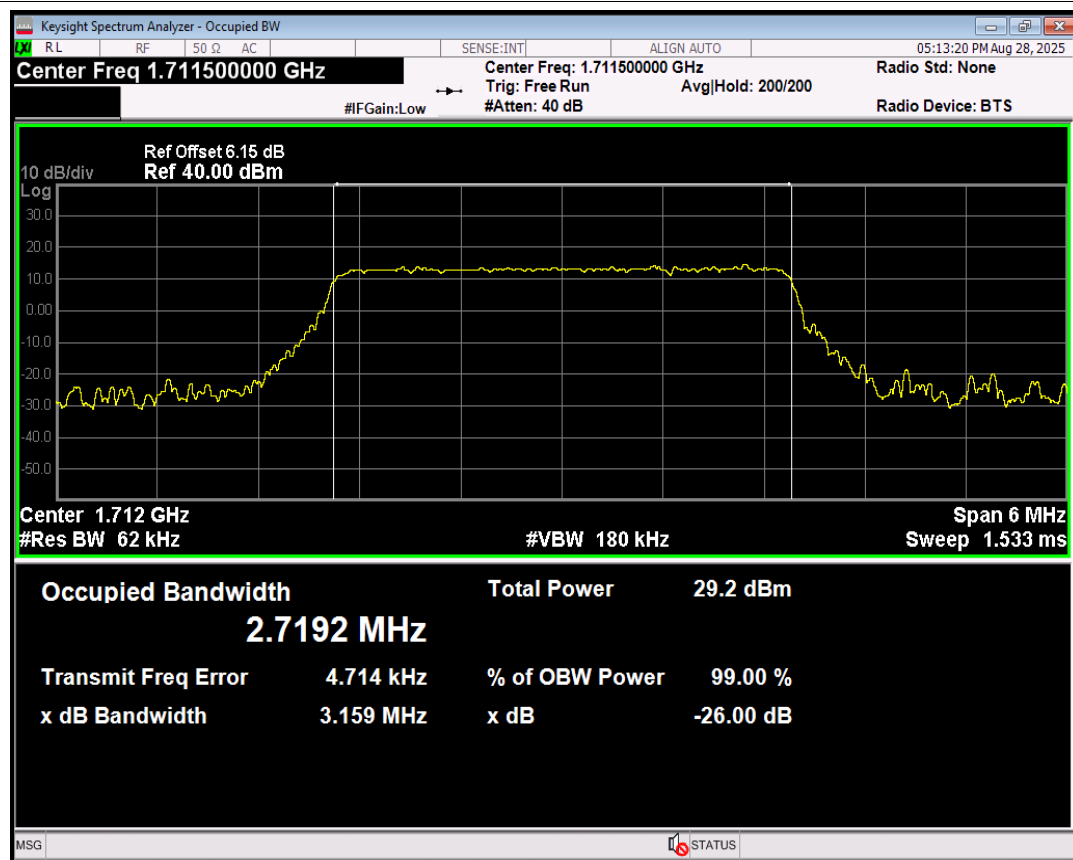
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



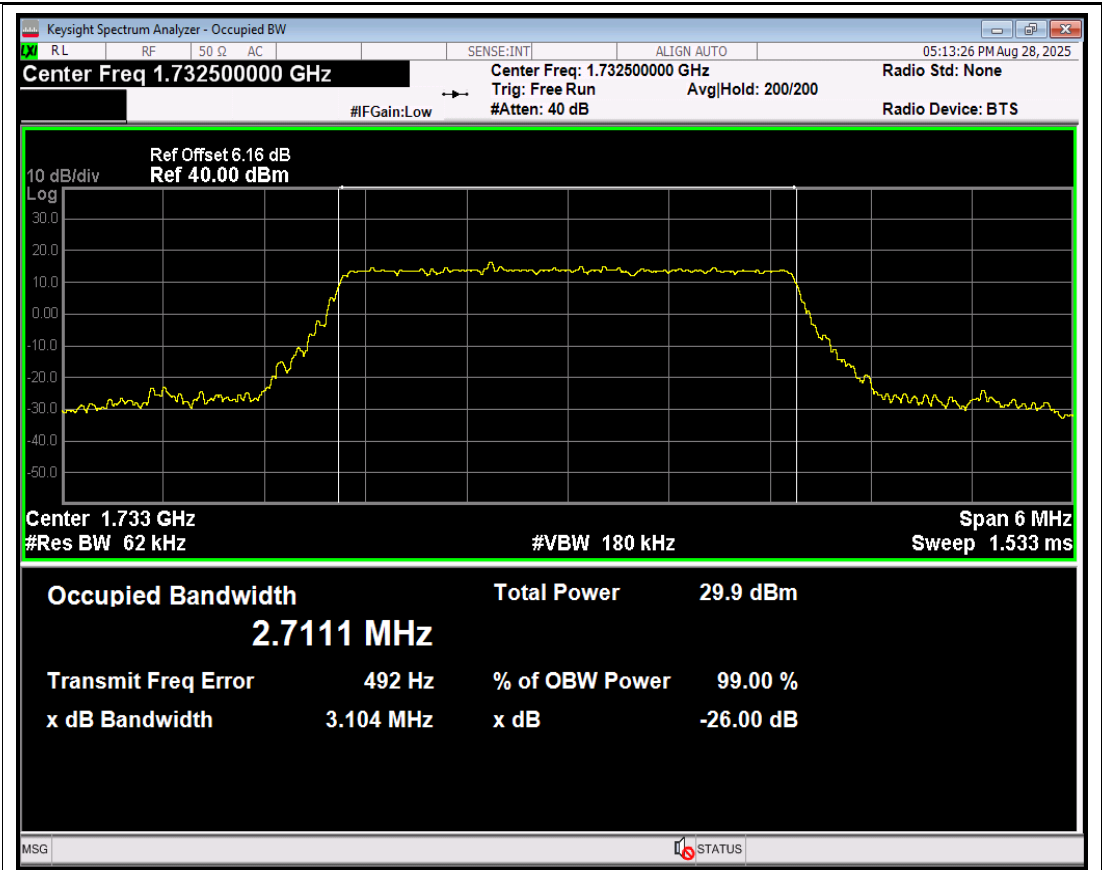
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



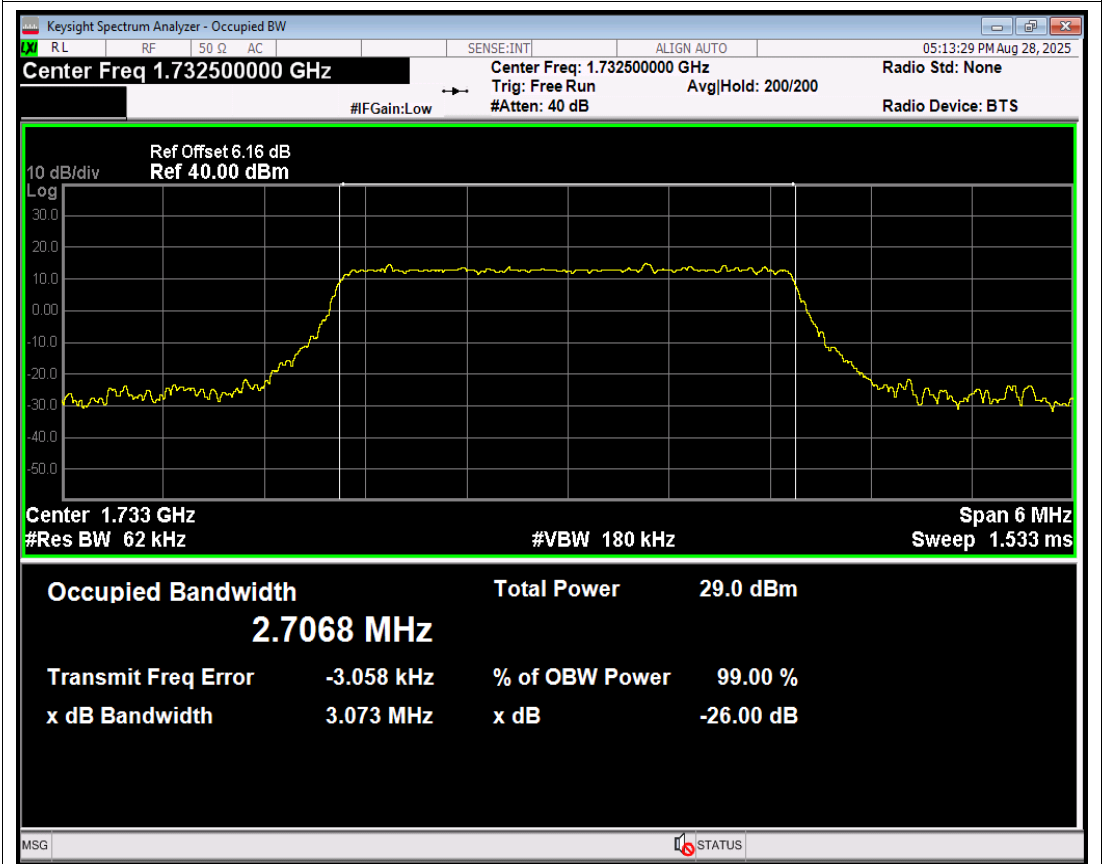
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



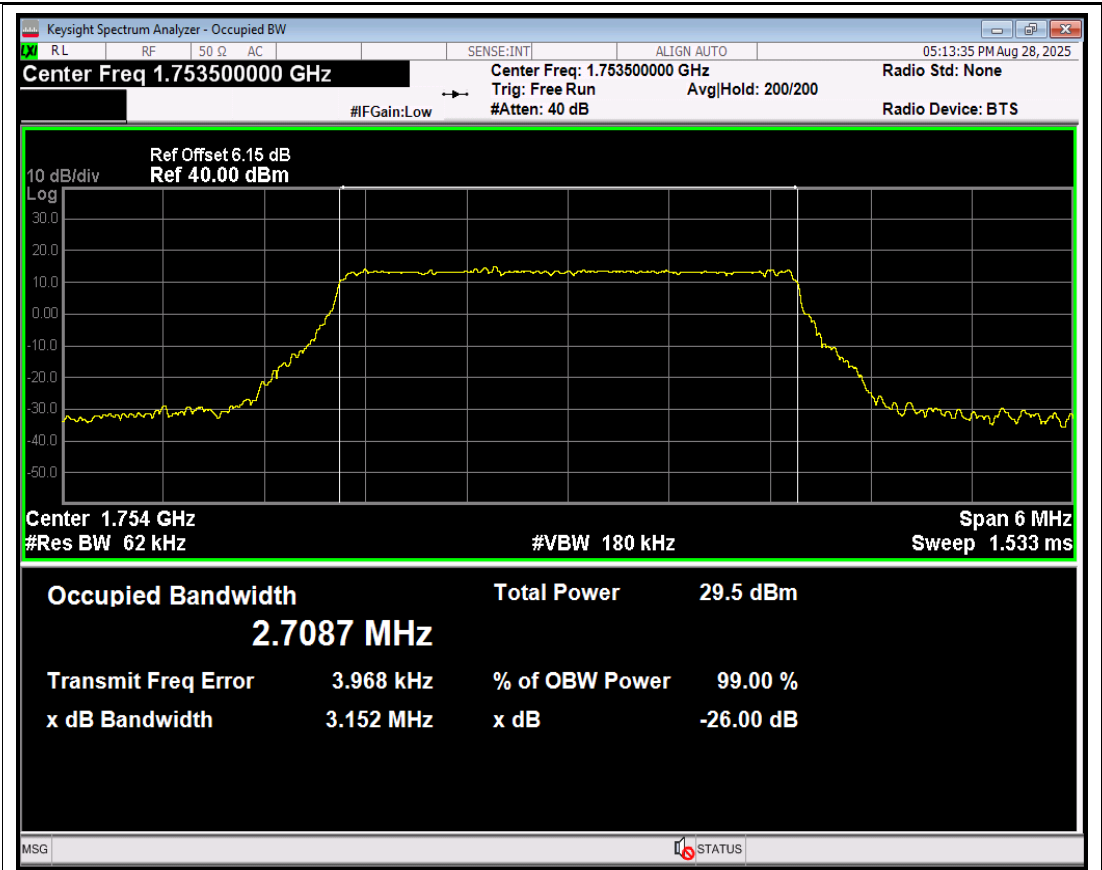
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



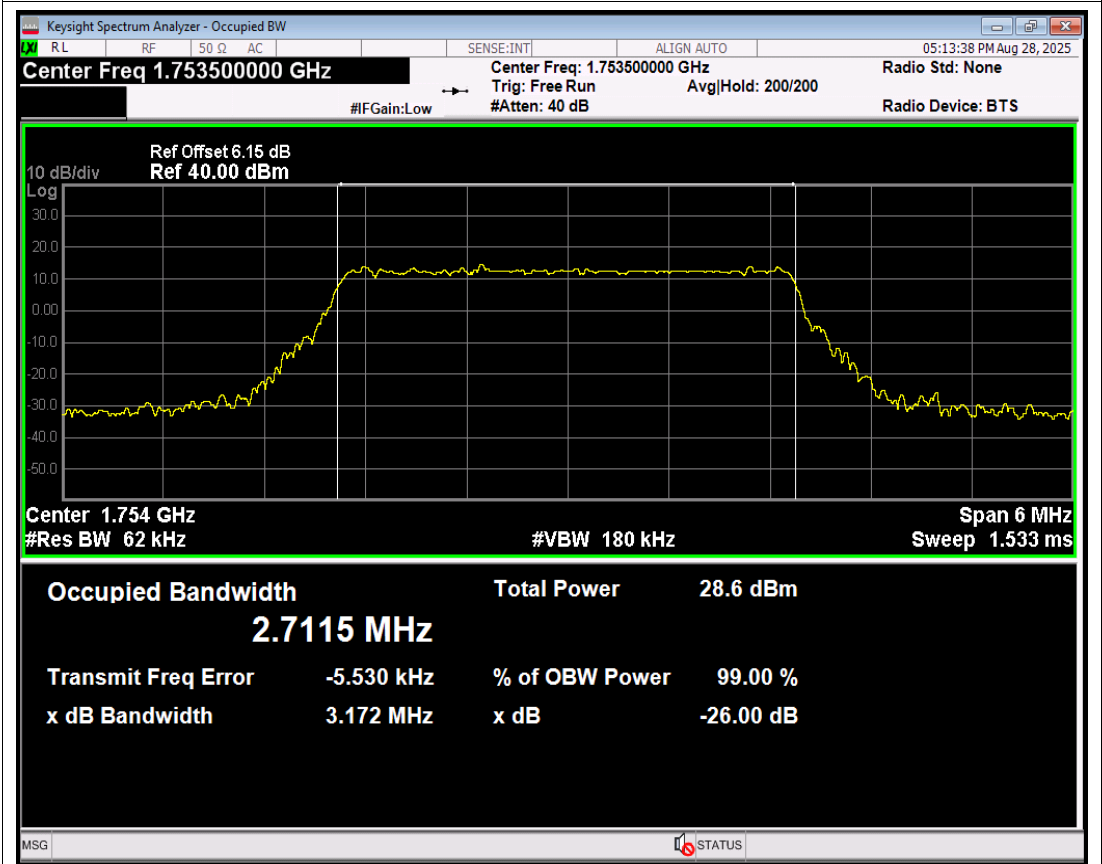
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



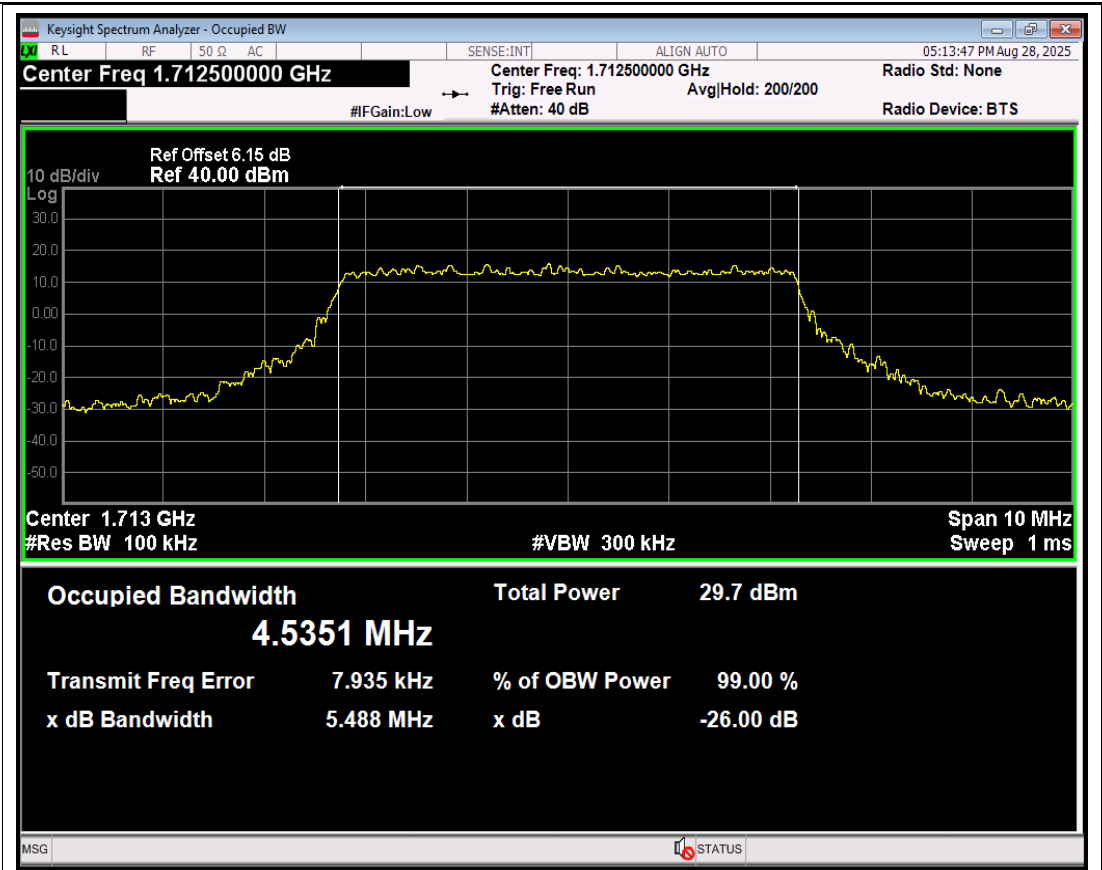
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



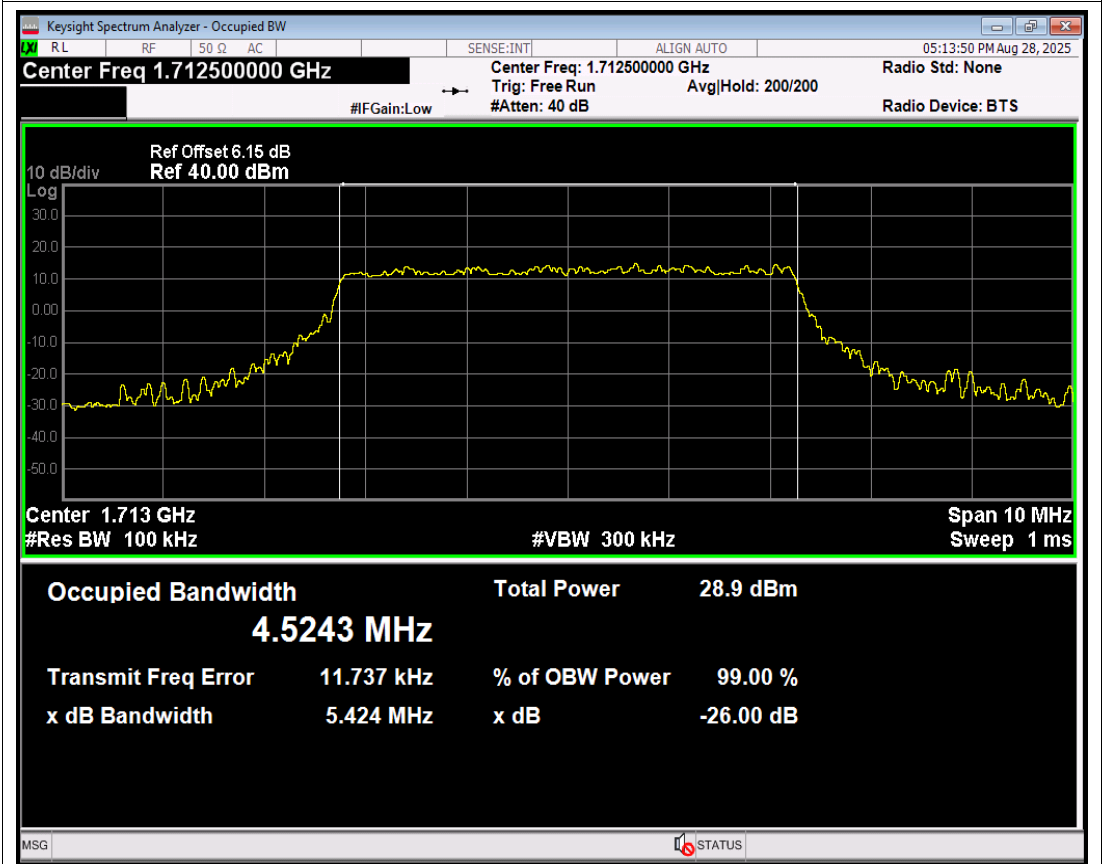
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



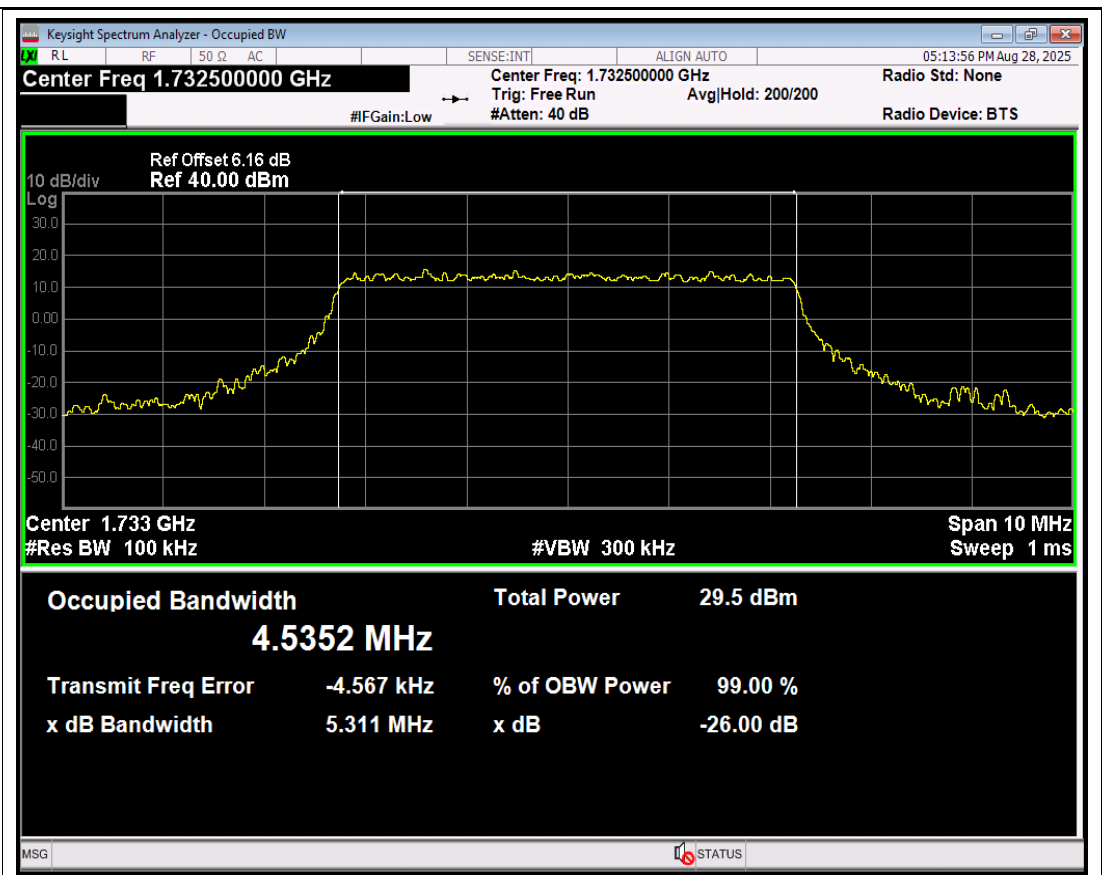
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



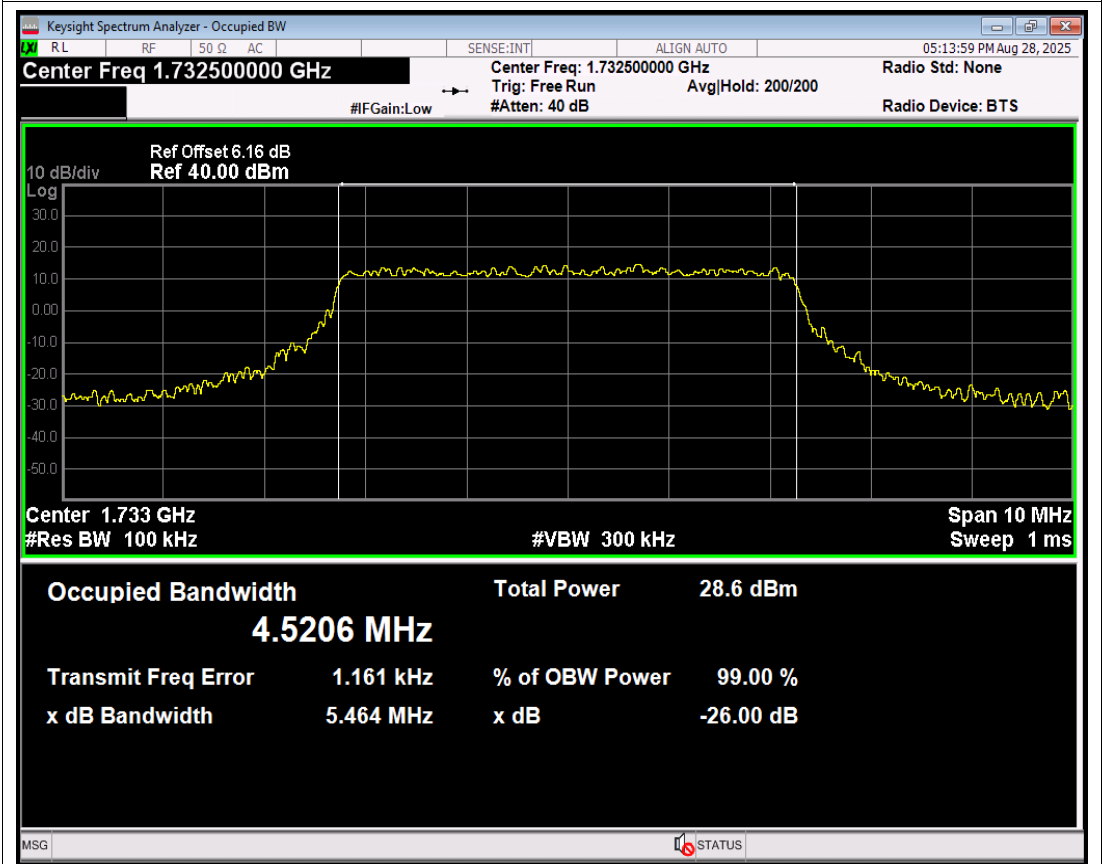
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



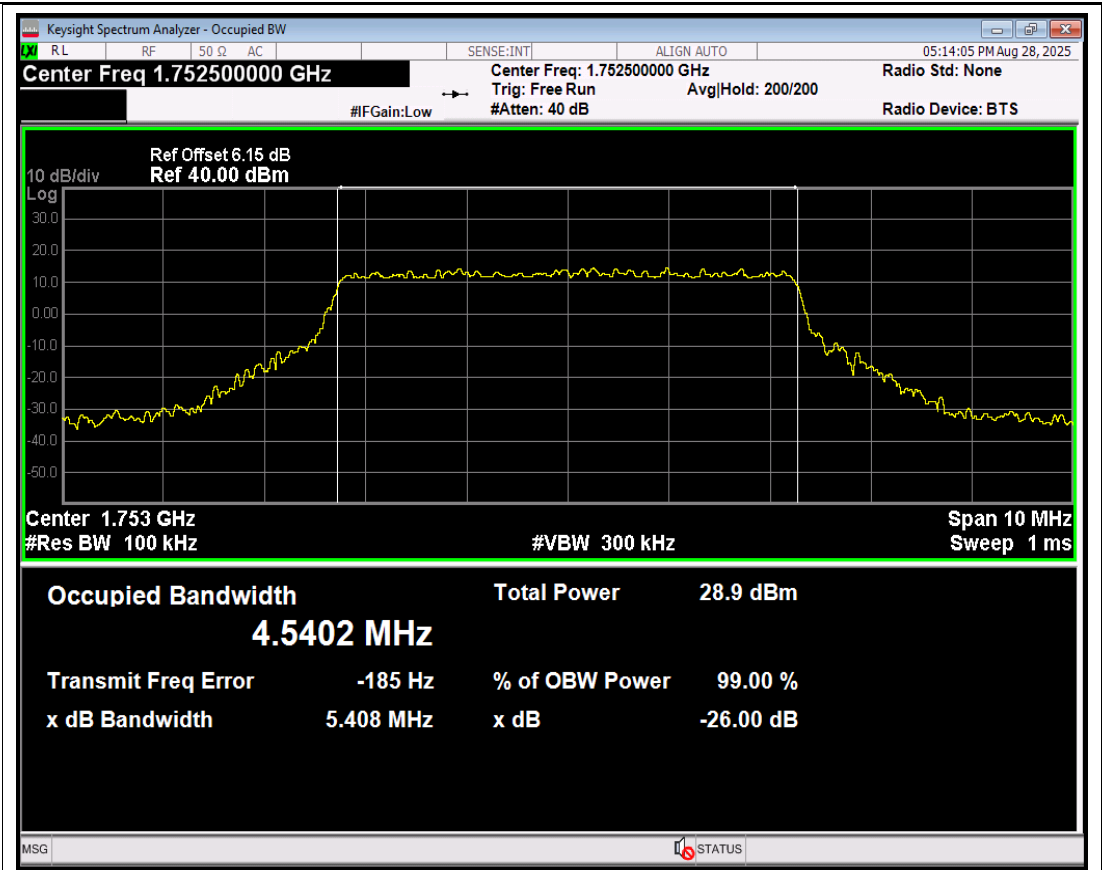
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



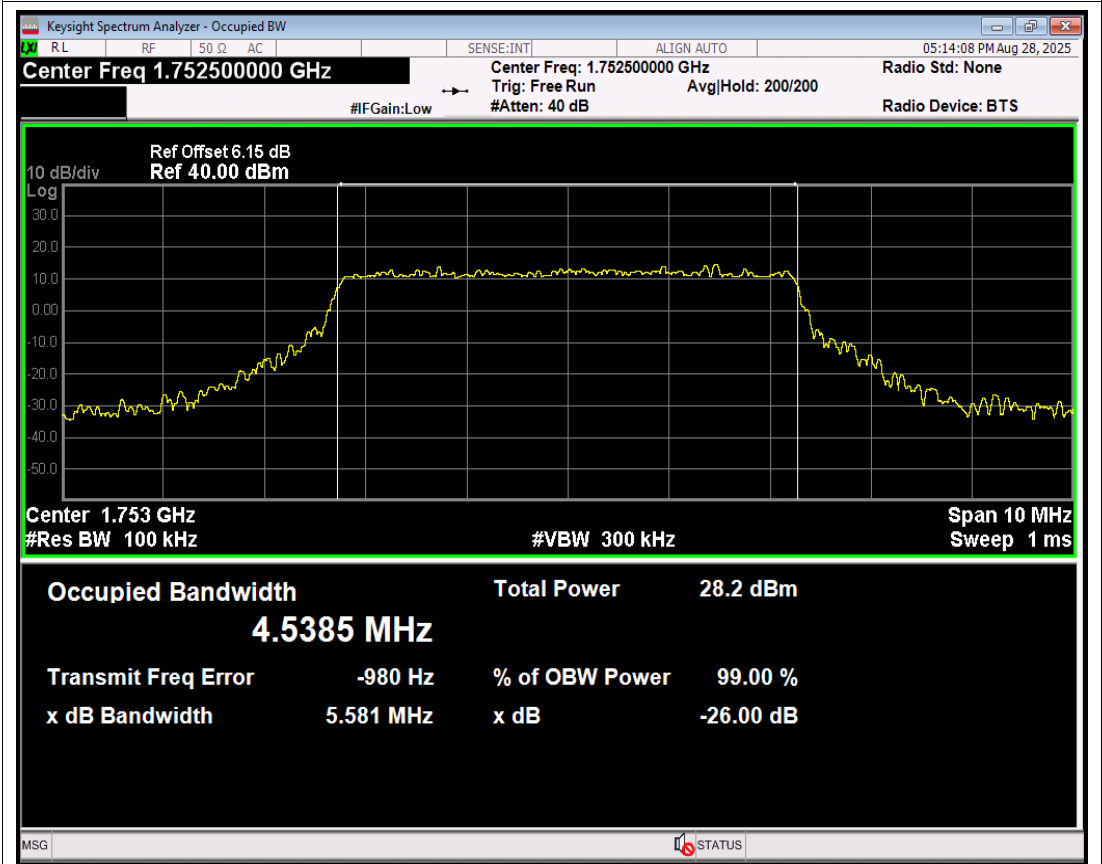
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



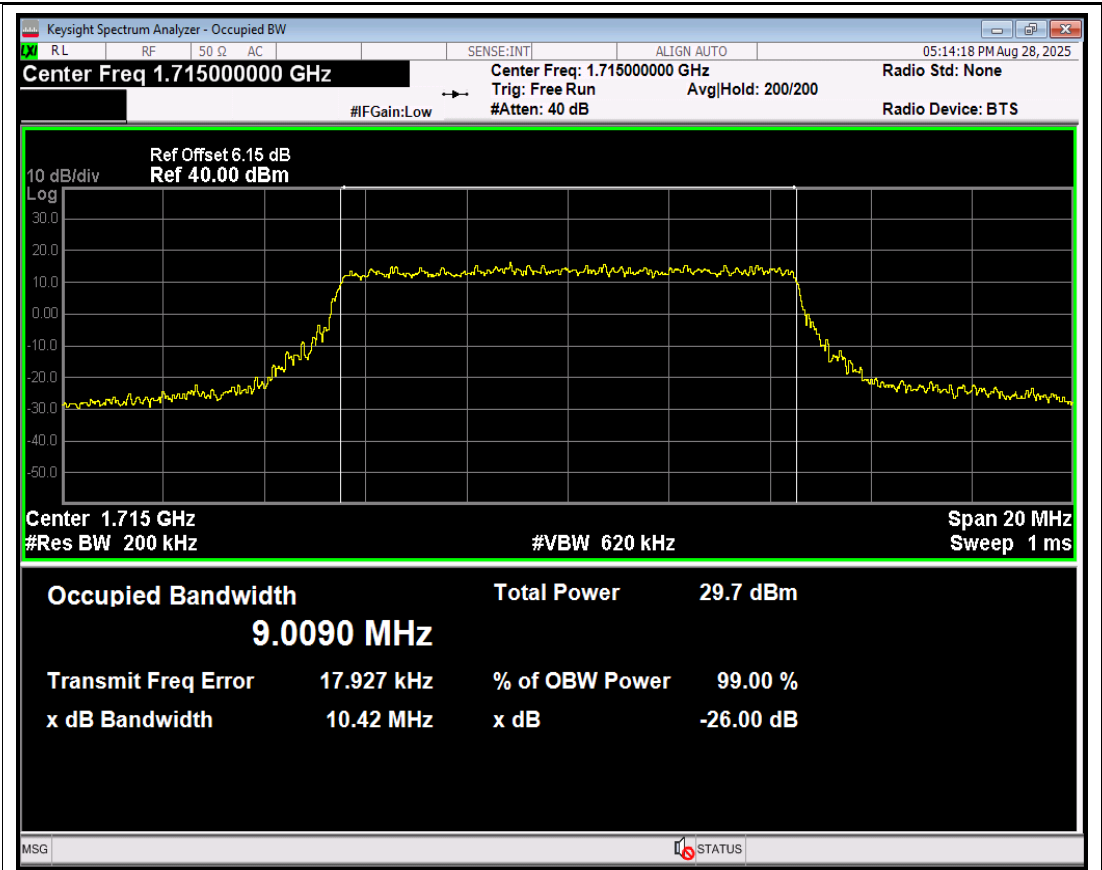
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



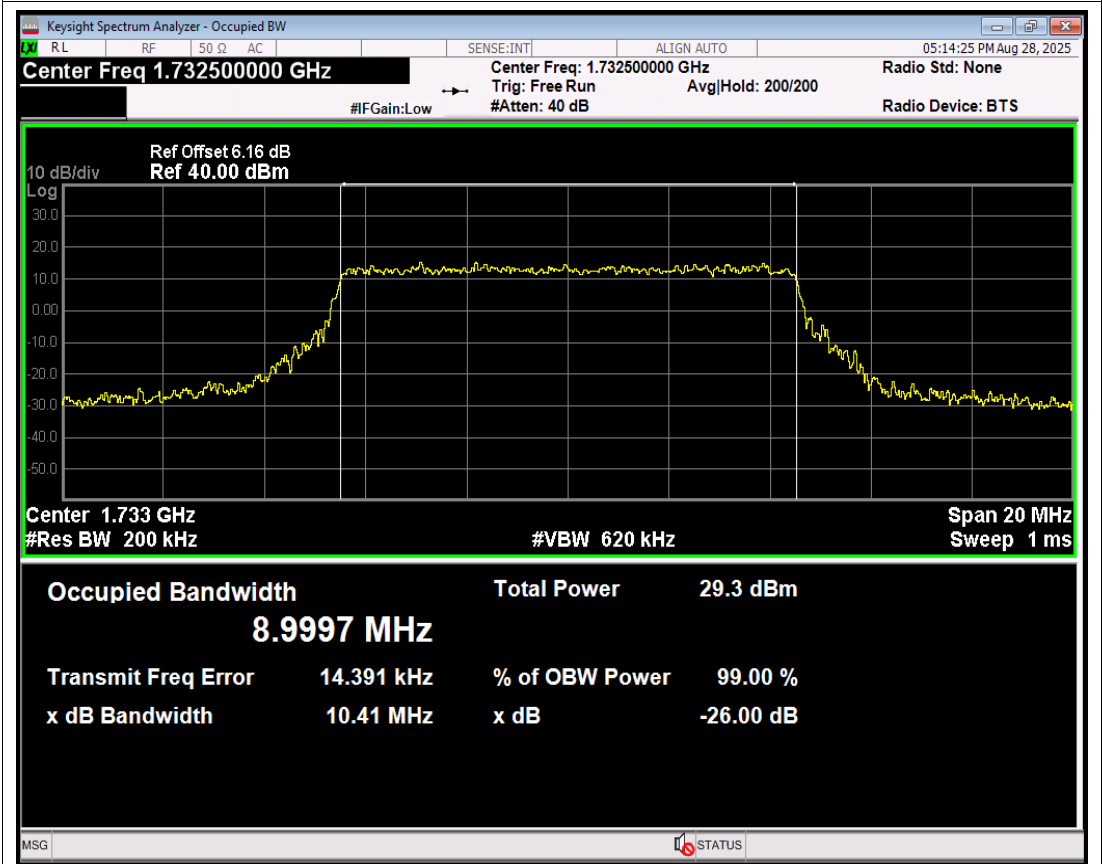
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



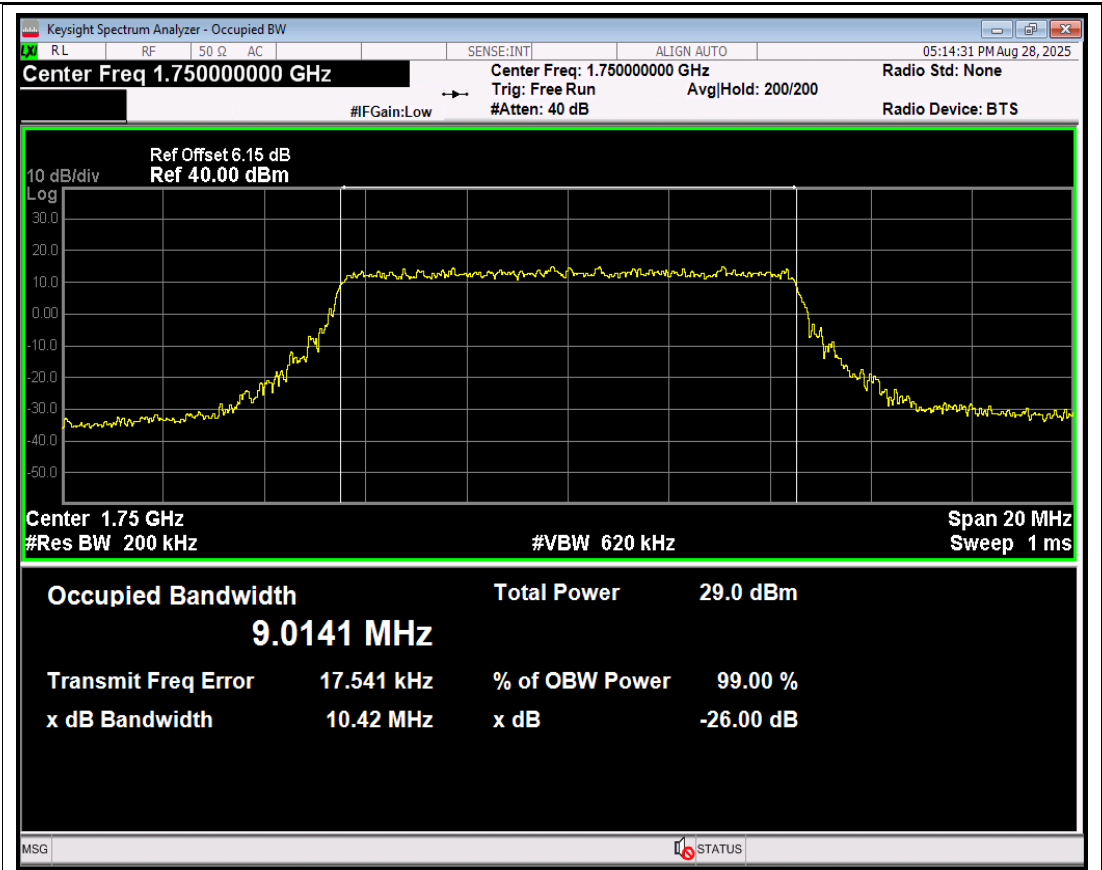
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



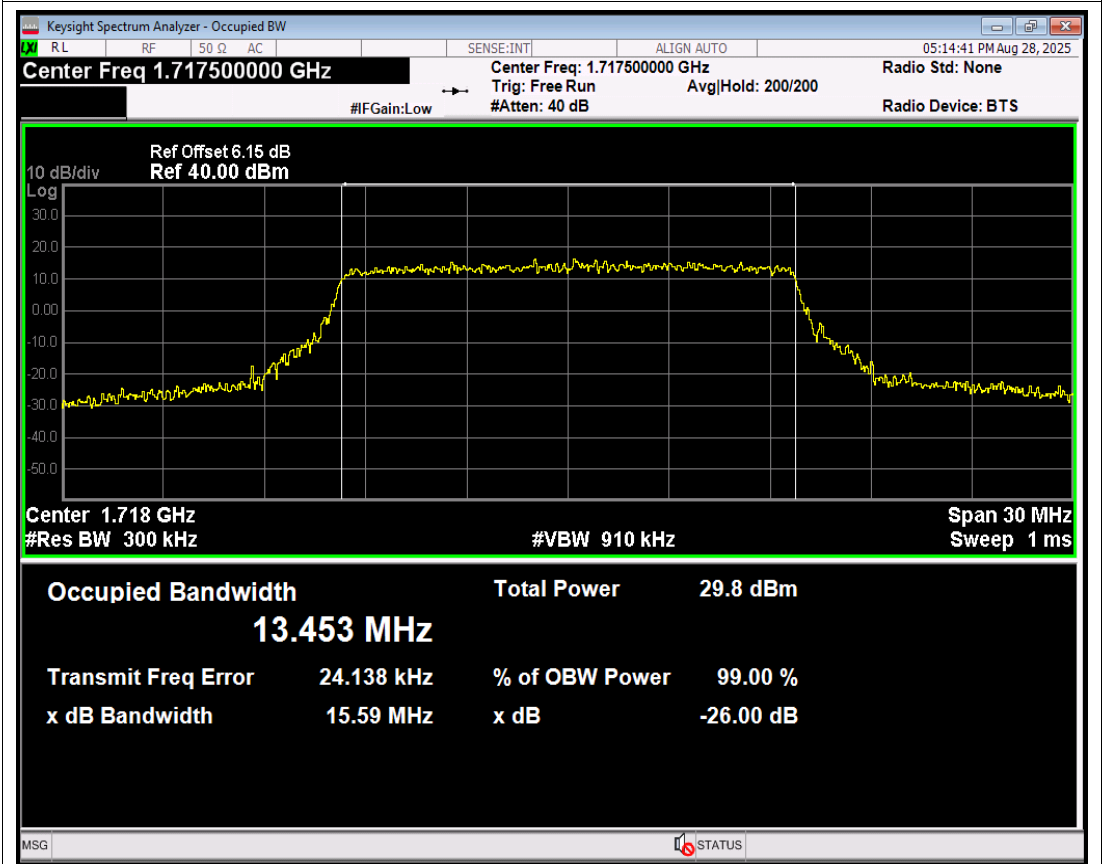
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



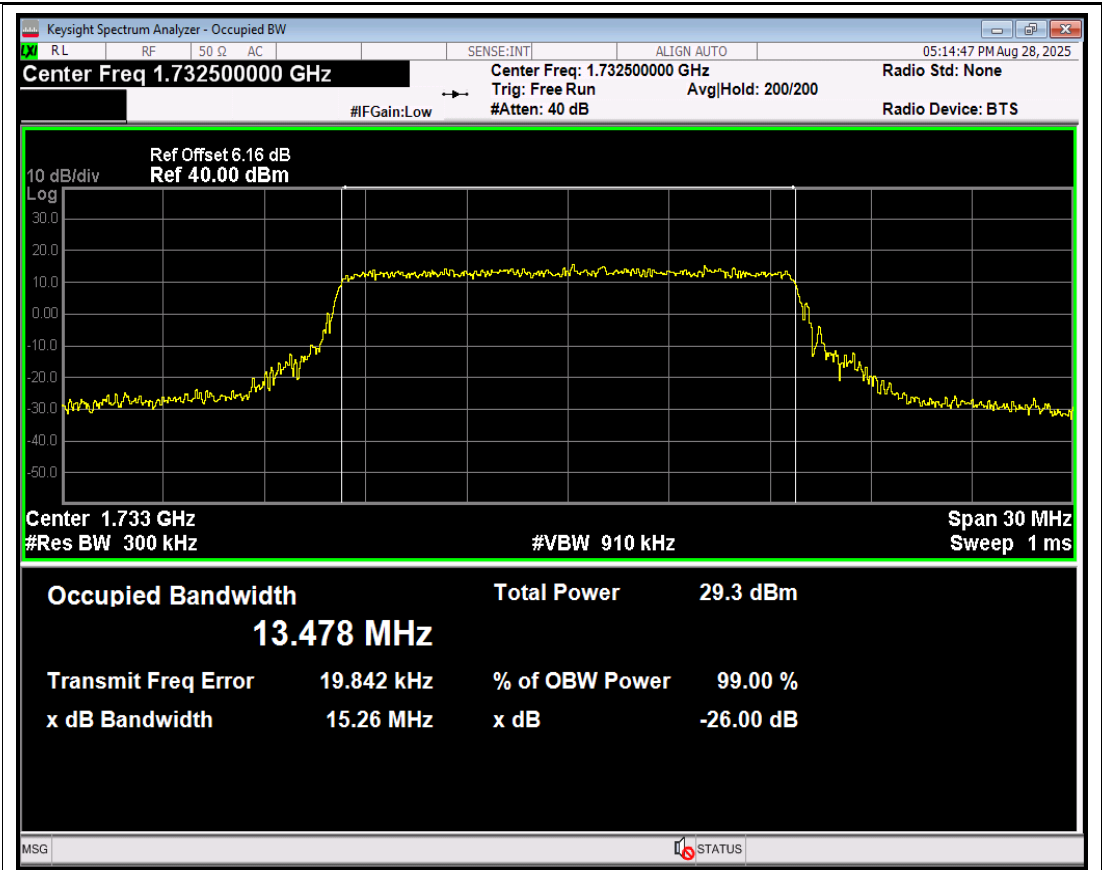
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



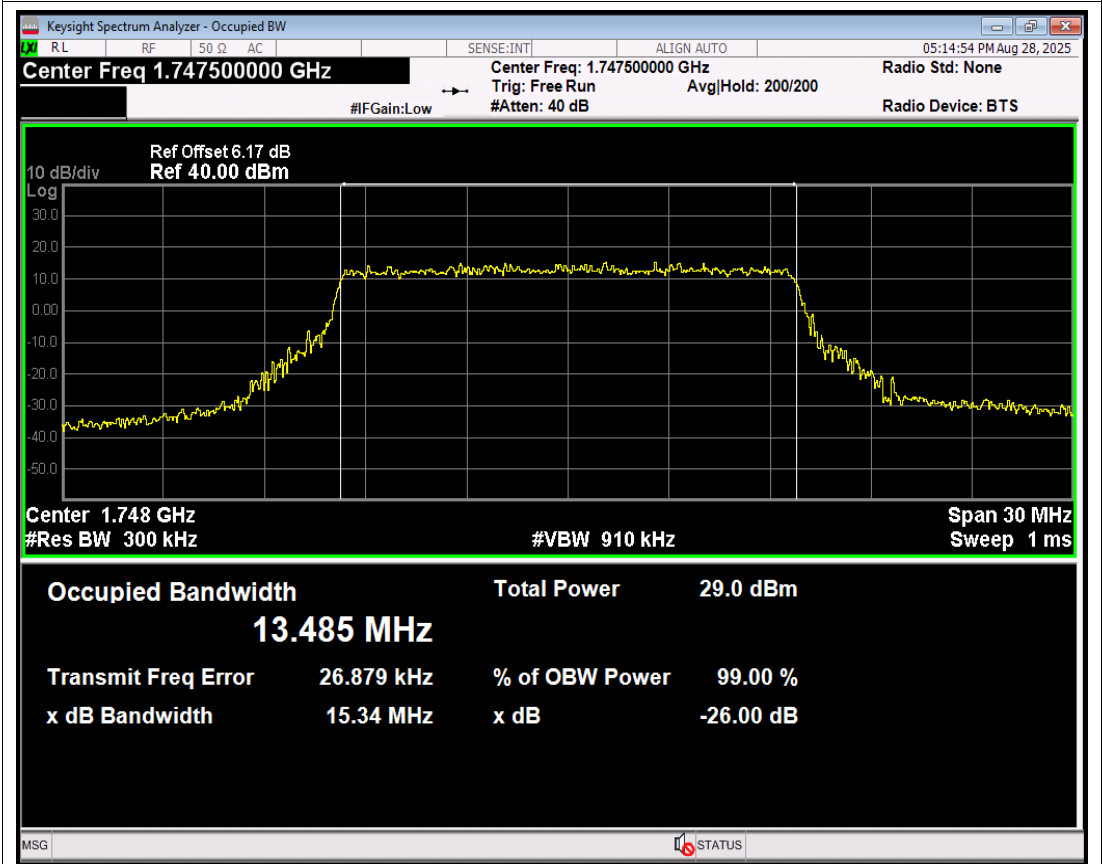
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



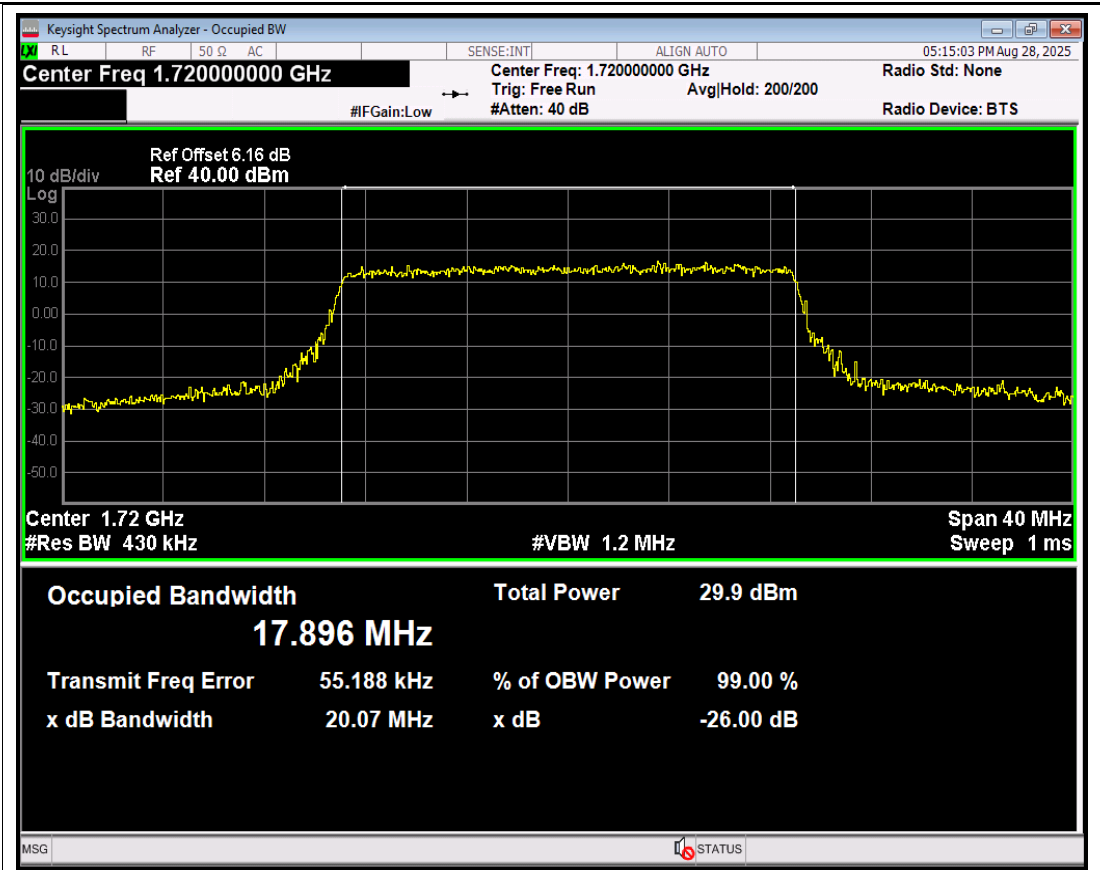
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



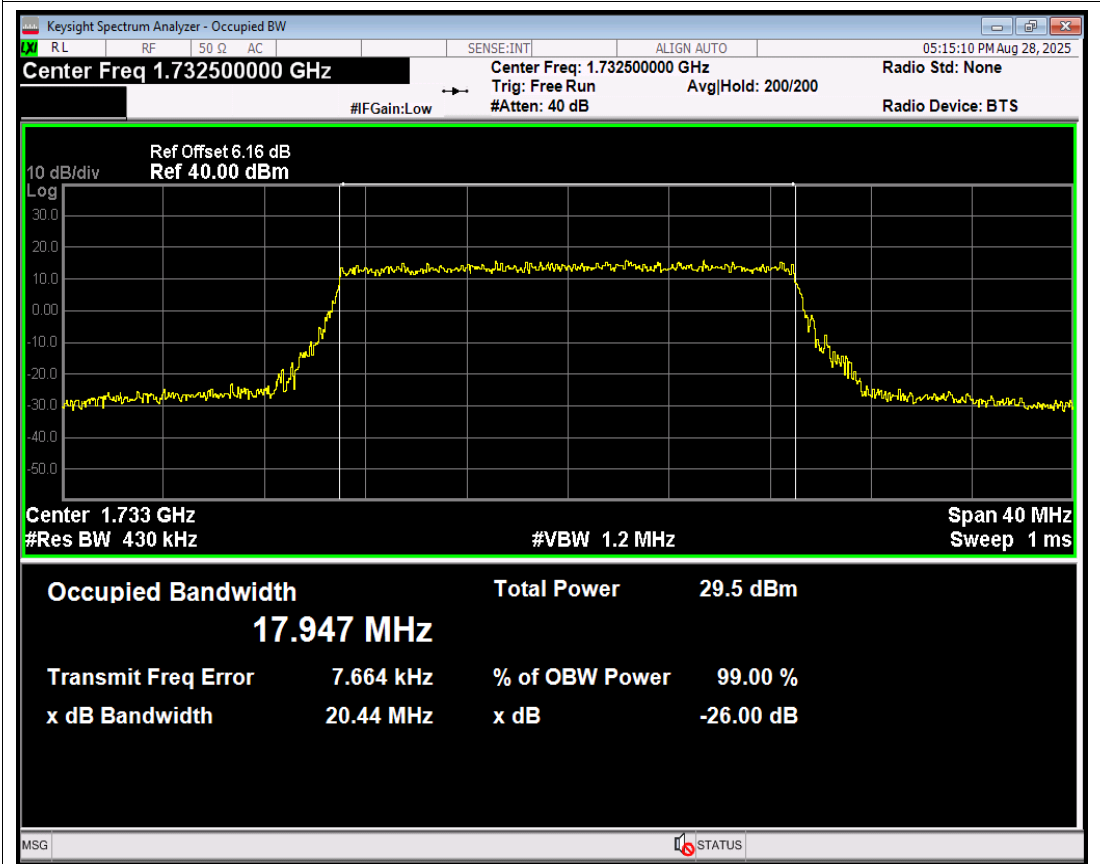
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



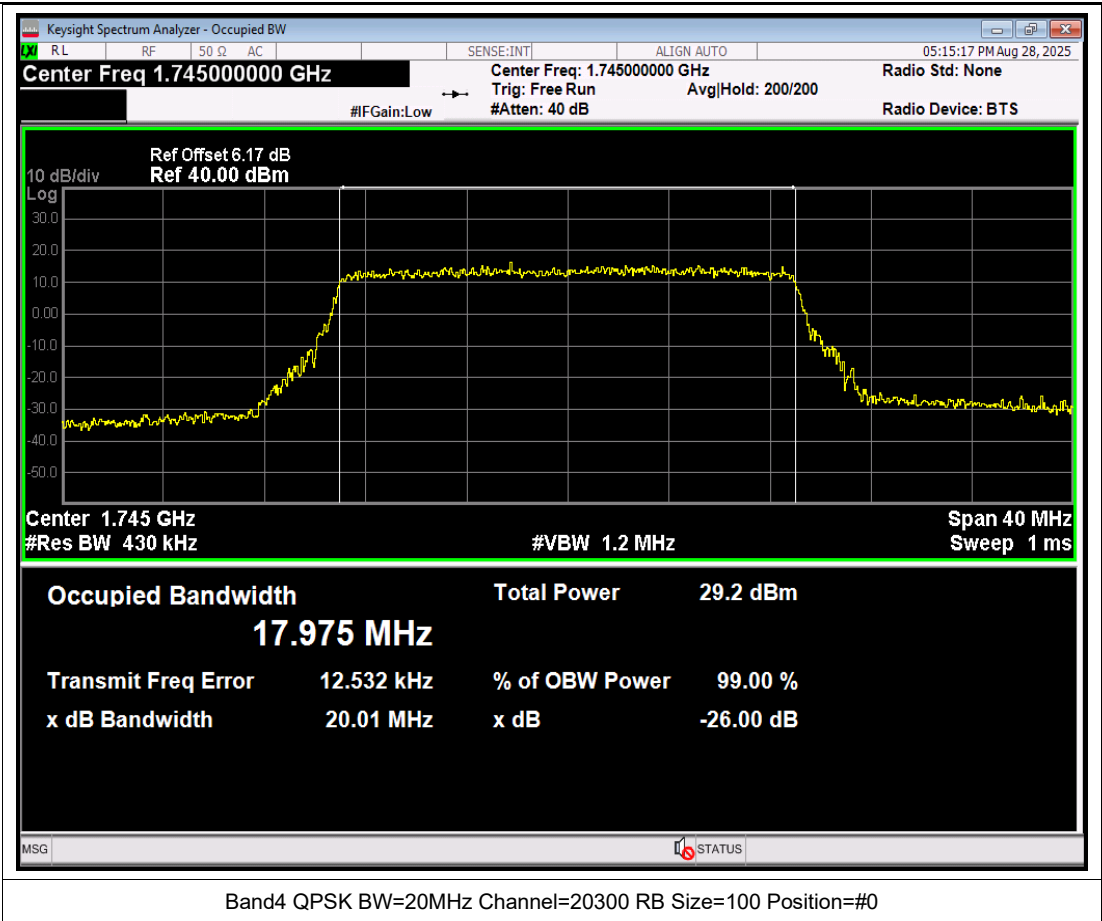
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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

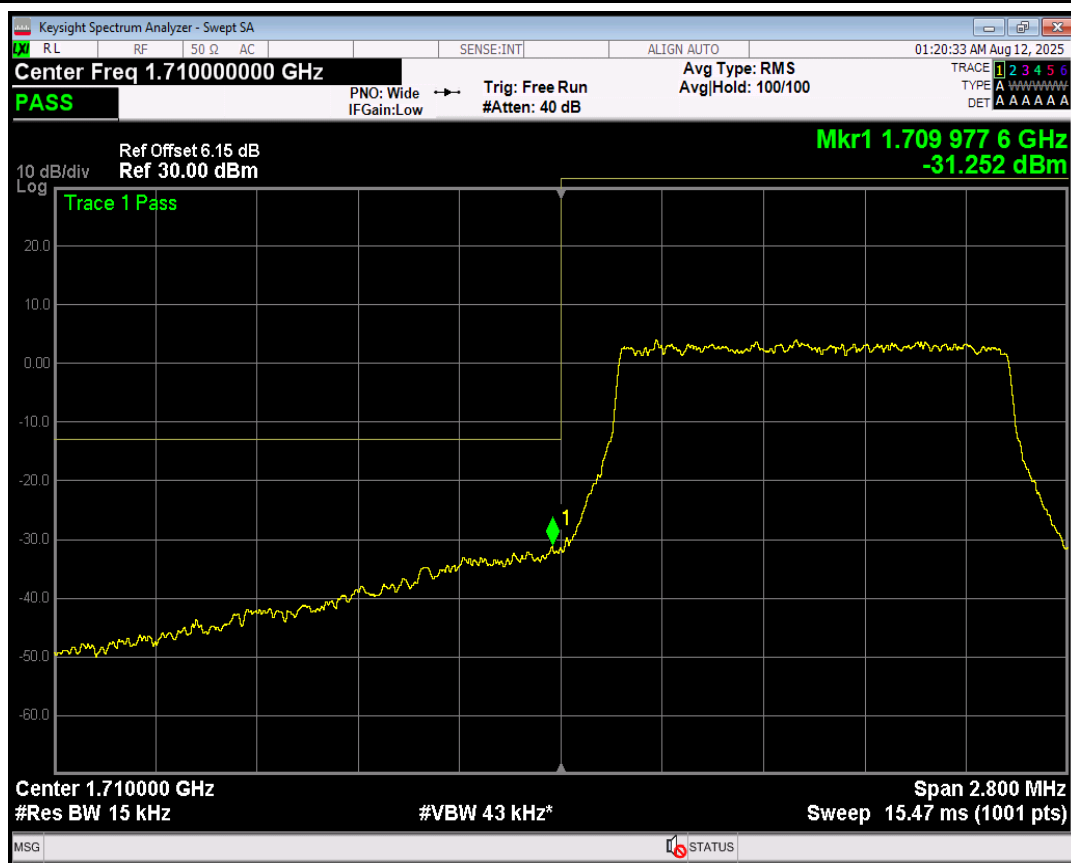


Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



Band edge

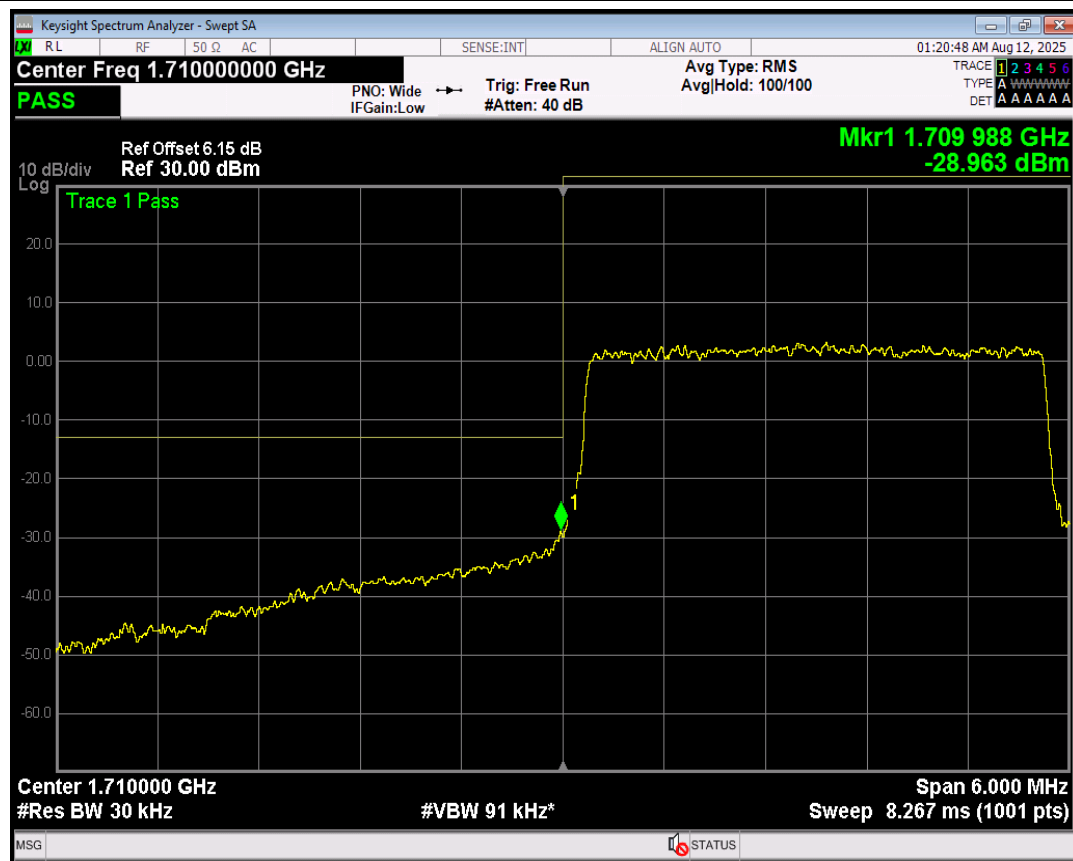
<i>Band</i>	<i>Bandwidth (MHz)</i>	<i>UL Channel</i>	<i>RB Size</i>	<i>RB Position</i>	<i>Modulation</i>	<i>Spur Freq (MHz)</i>	<i>Spur Level (dBm)</i>	<i>Limit (dBm)</i>	<i>Verdict</i>
Band4	1.4	19957	6	#0	QPSK	1709.98	-31.25	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755	-32.57	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710	-30.07	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755	-30.02	-13	PASS
Band4	3	19965	15	#0	QPSK	1709.99	-28.96	-13	PASS
Band4	3	20385	15	#0	QPSK	1755	-30.34	-13	PASS
Band4	3	19965	15	#0	16QAM	1709.99	-25.22	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.01	-26.37	-13	PASS
Band4	5	19975	25	#0	QPSK	1710	-31.81	-13	PASS
Band4	5	20375	25	#0	QPSK	1755	-33.46	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.9	-26.59	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.03	-28.03	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.88	-32.39	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.3	-35.68	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.46	-33.11	-13	PASS
Band4	15	20325	75	#0	QPSK	1756.74	-33.44	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.92	-33.29	-13	PASS
Band4	20	20300	100	#0	QPSK	1756.56	-35.9	-13	PASS



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



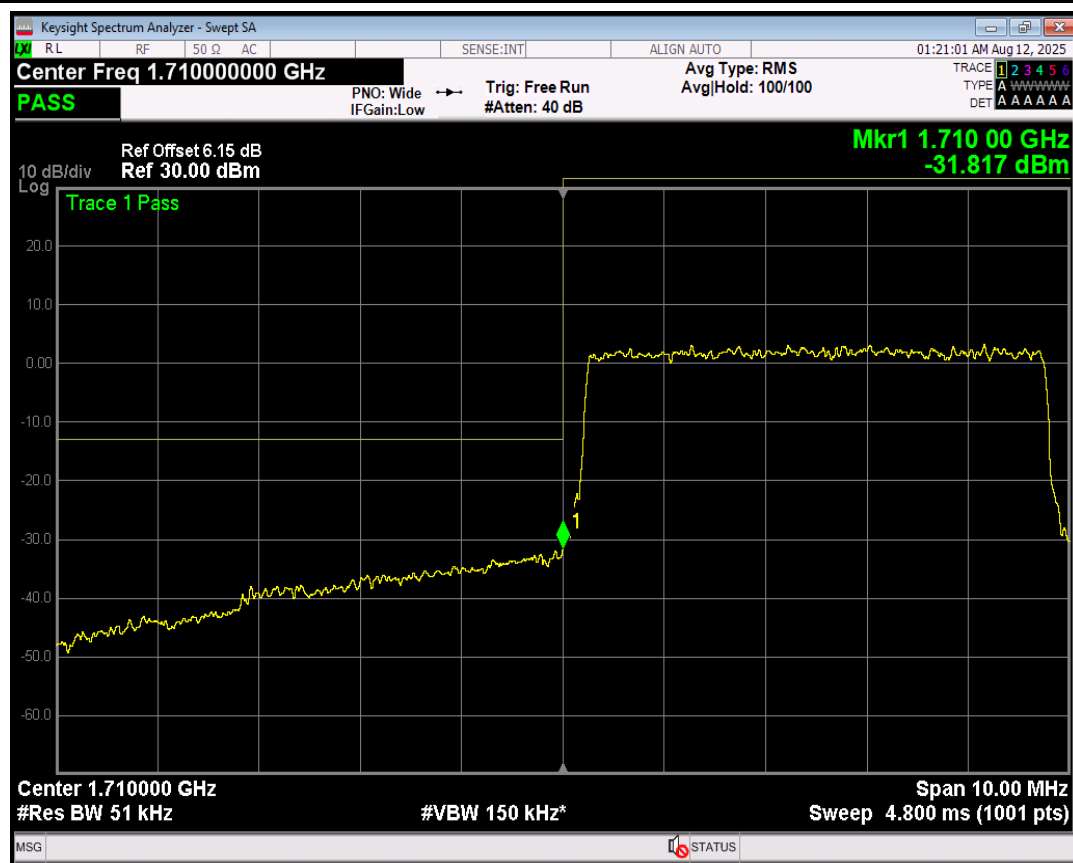
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



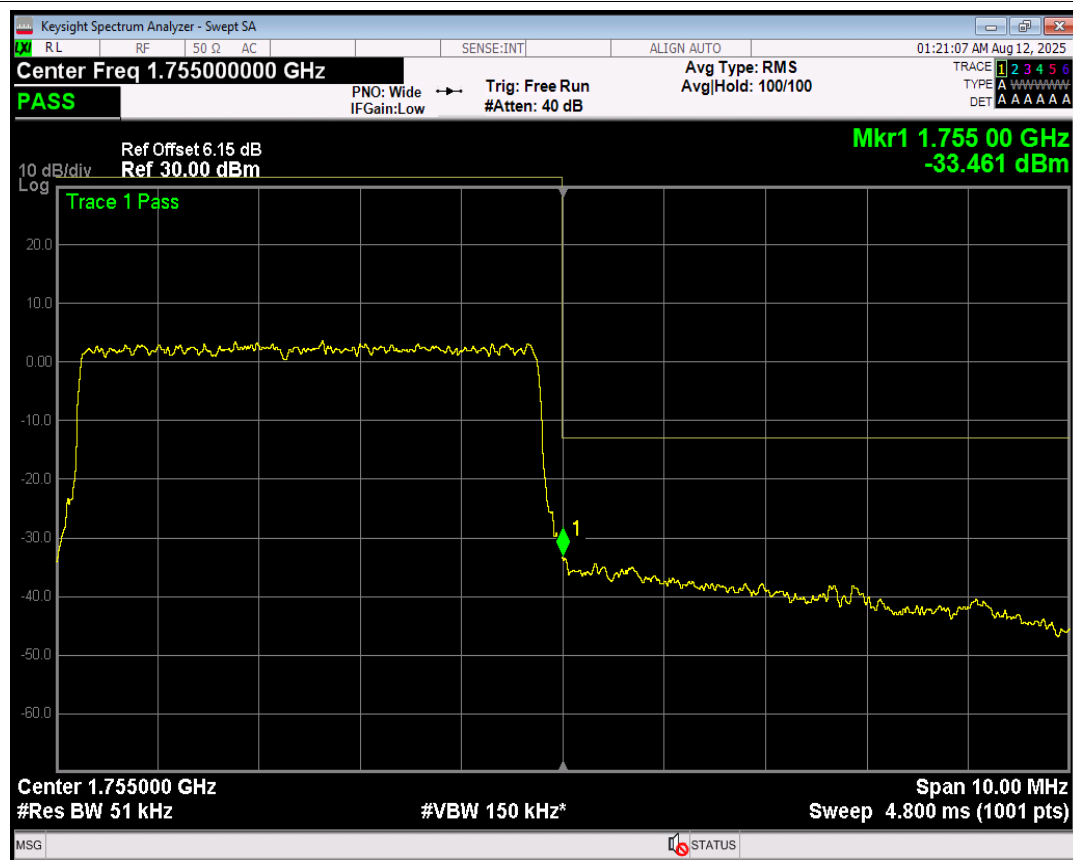
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



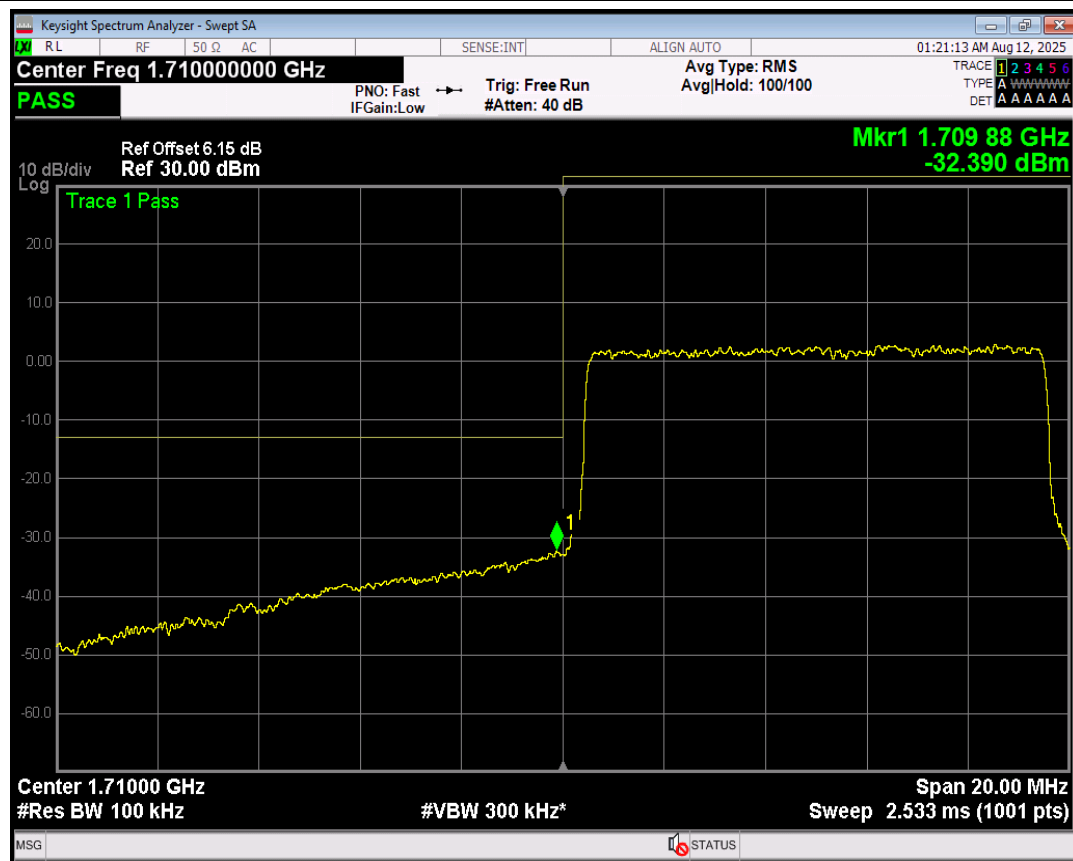
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



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



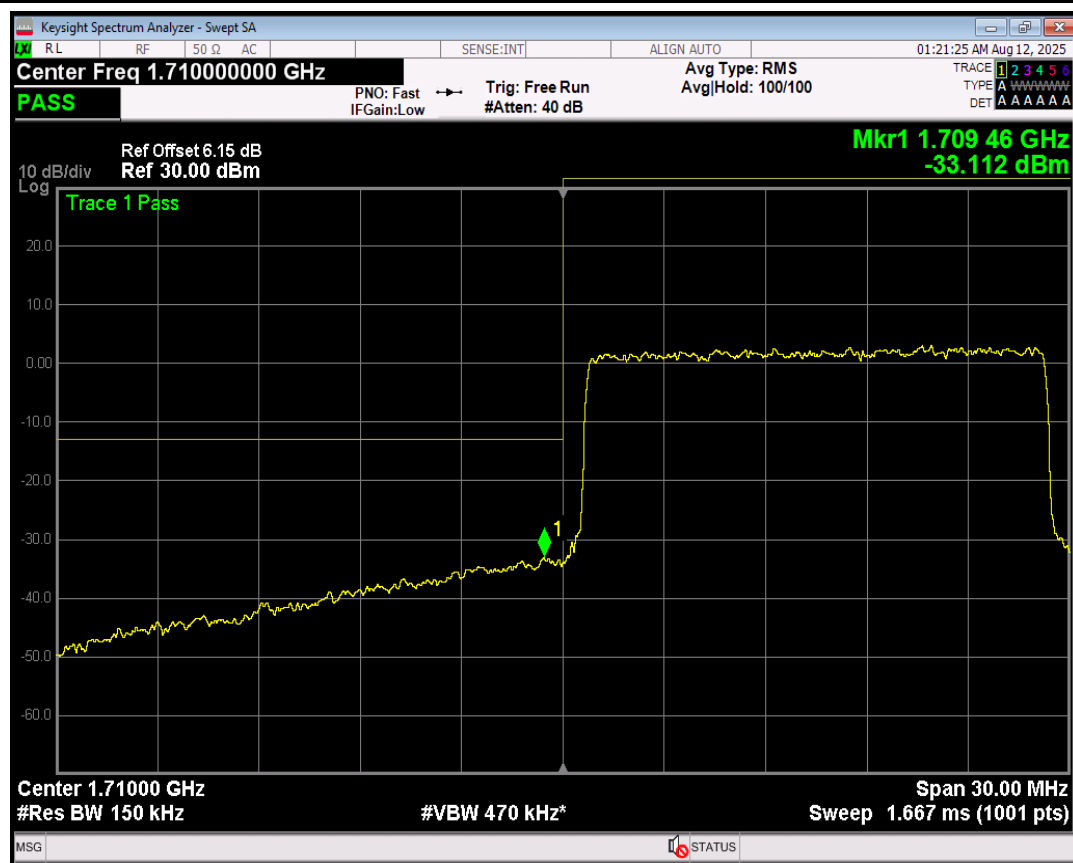
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



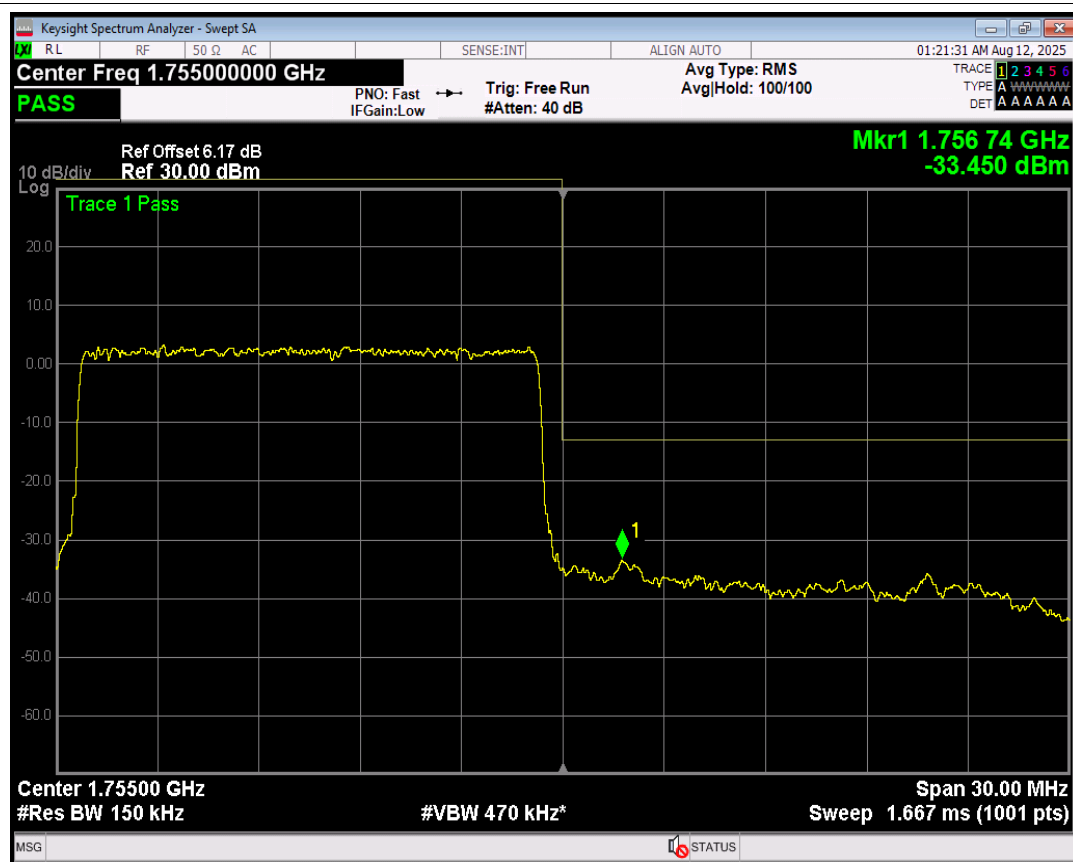
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



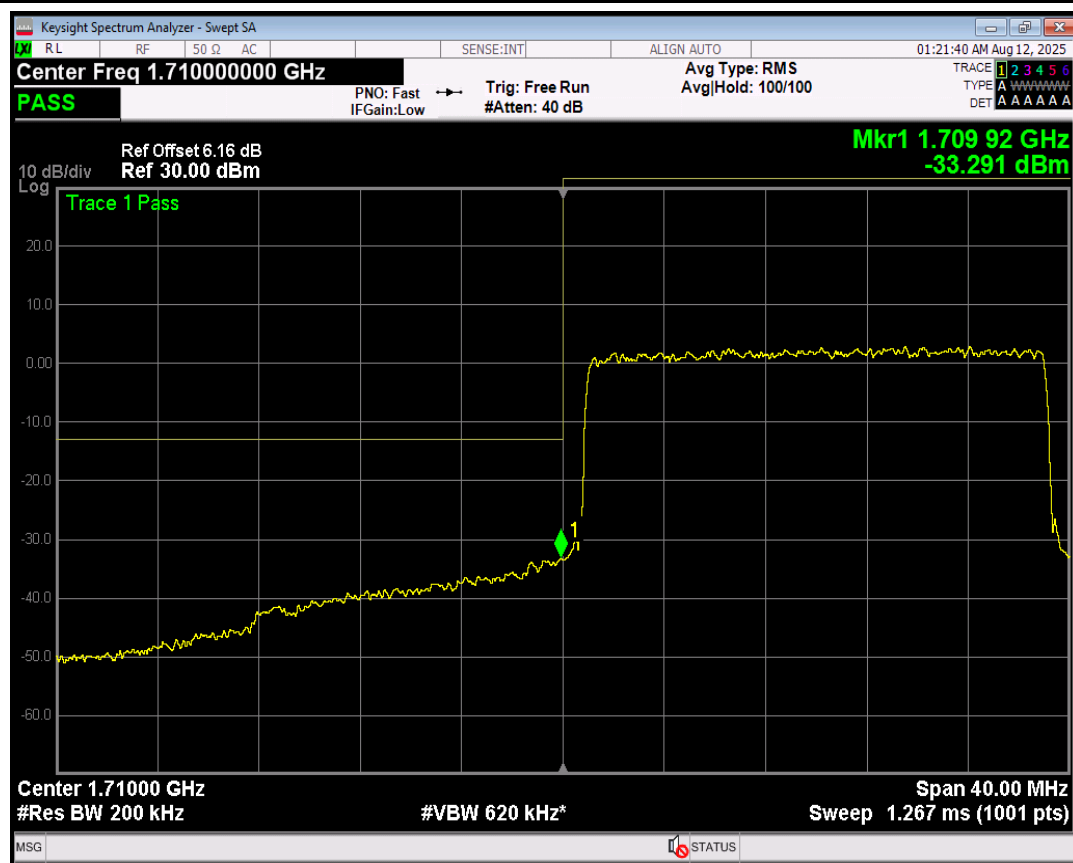
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



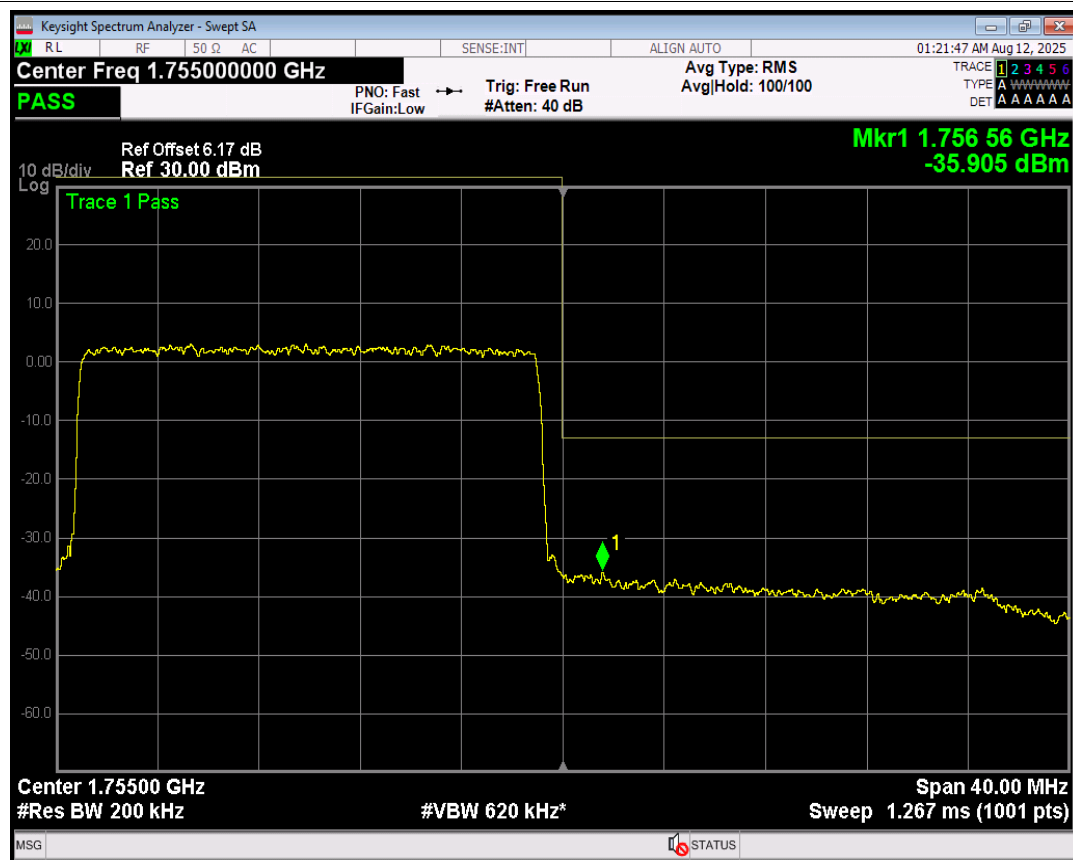
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



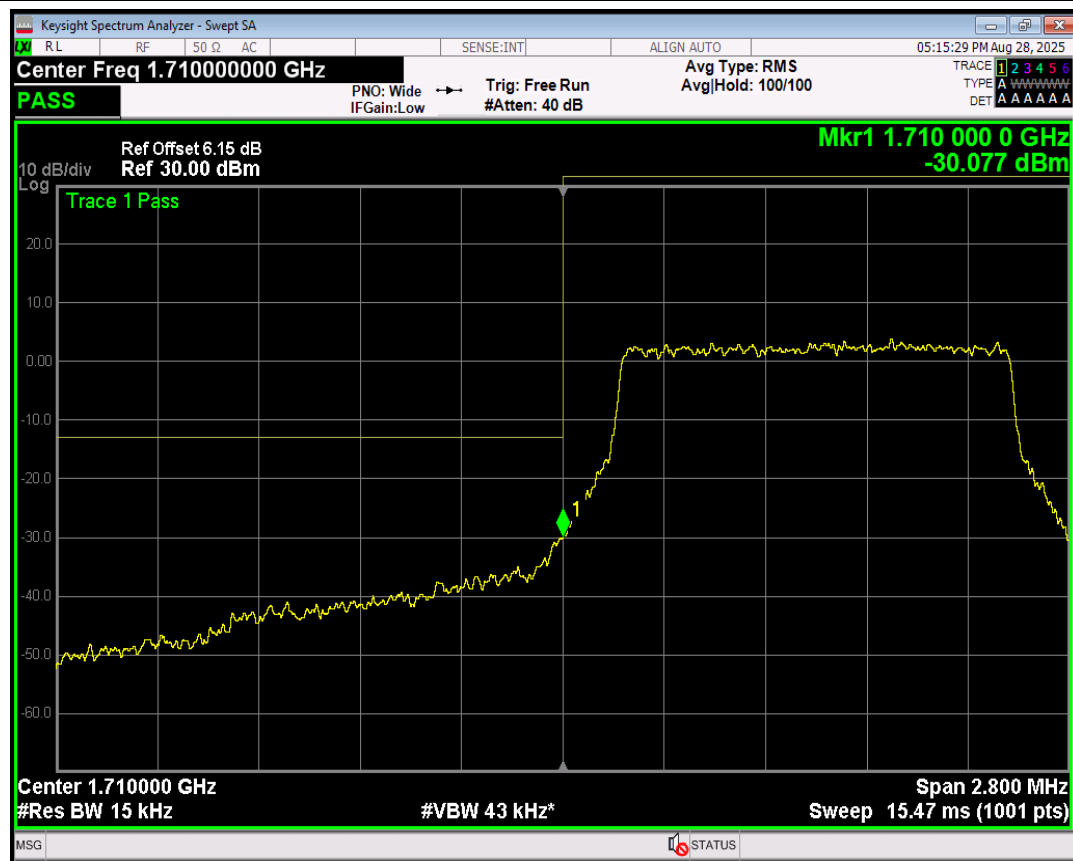
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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



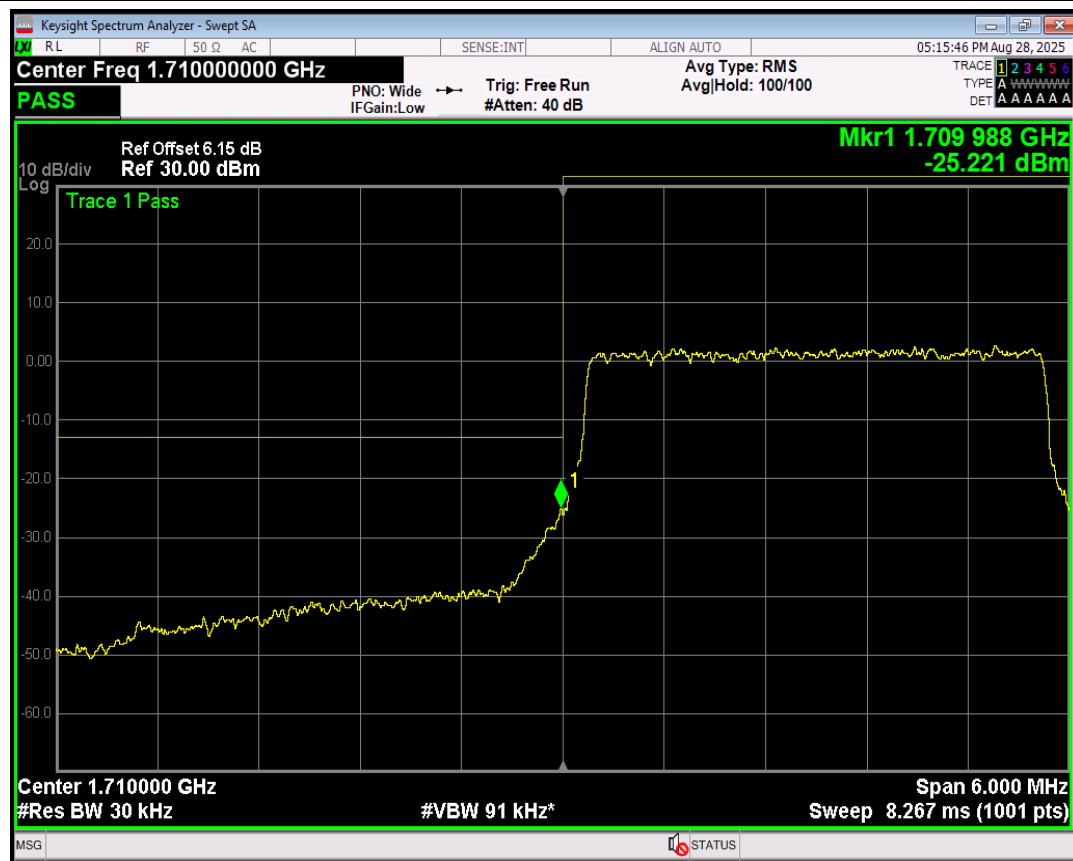
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



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



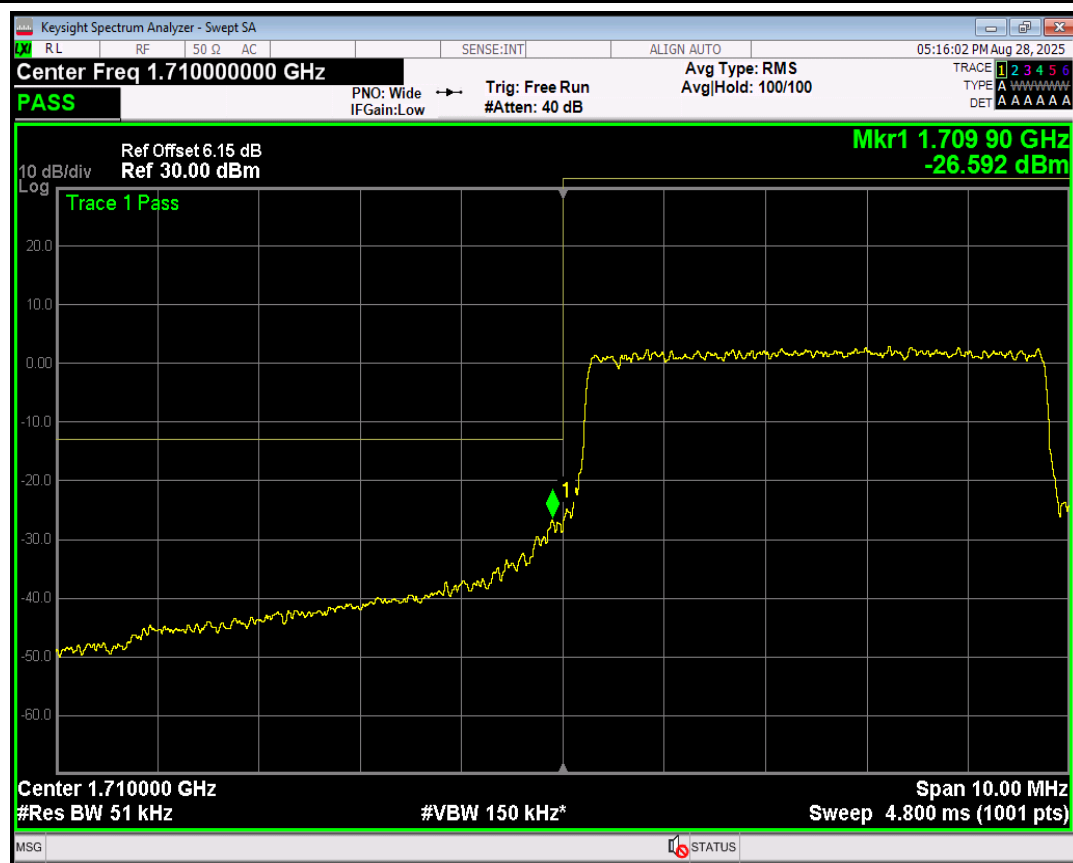
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



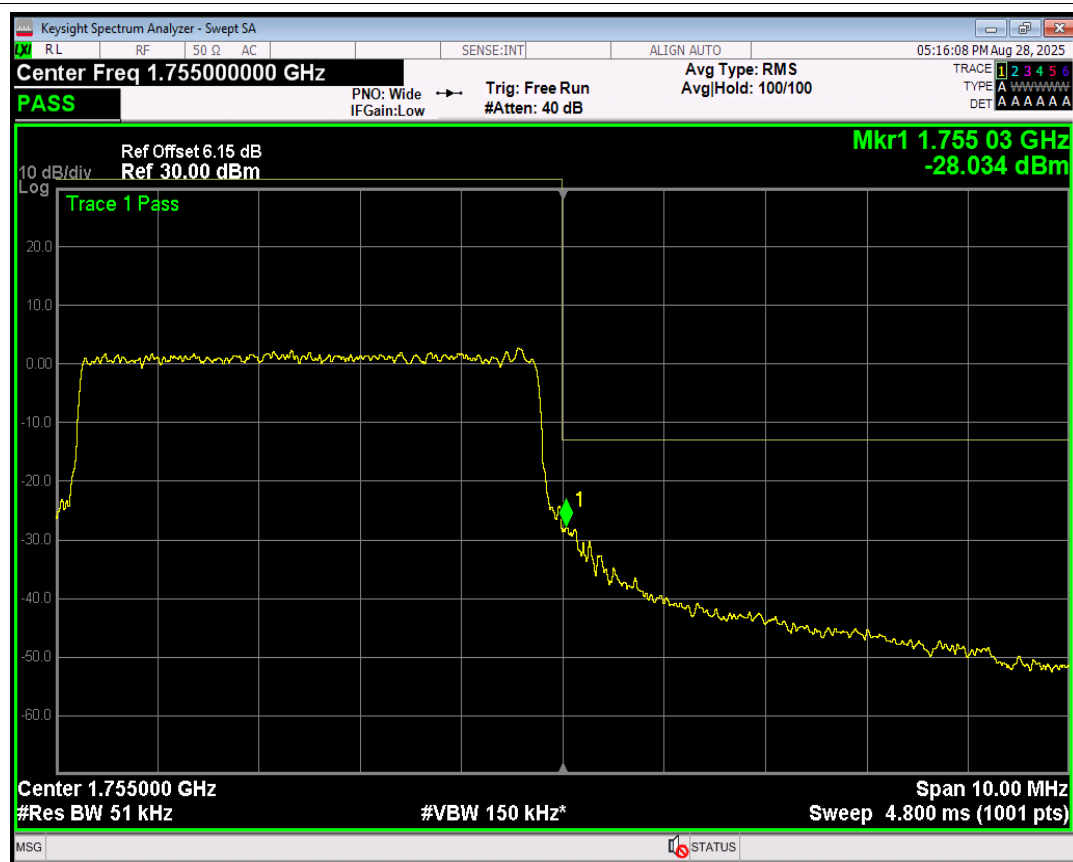
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



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



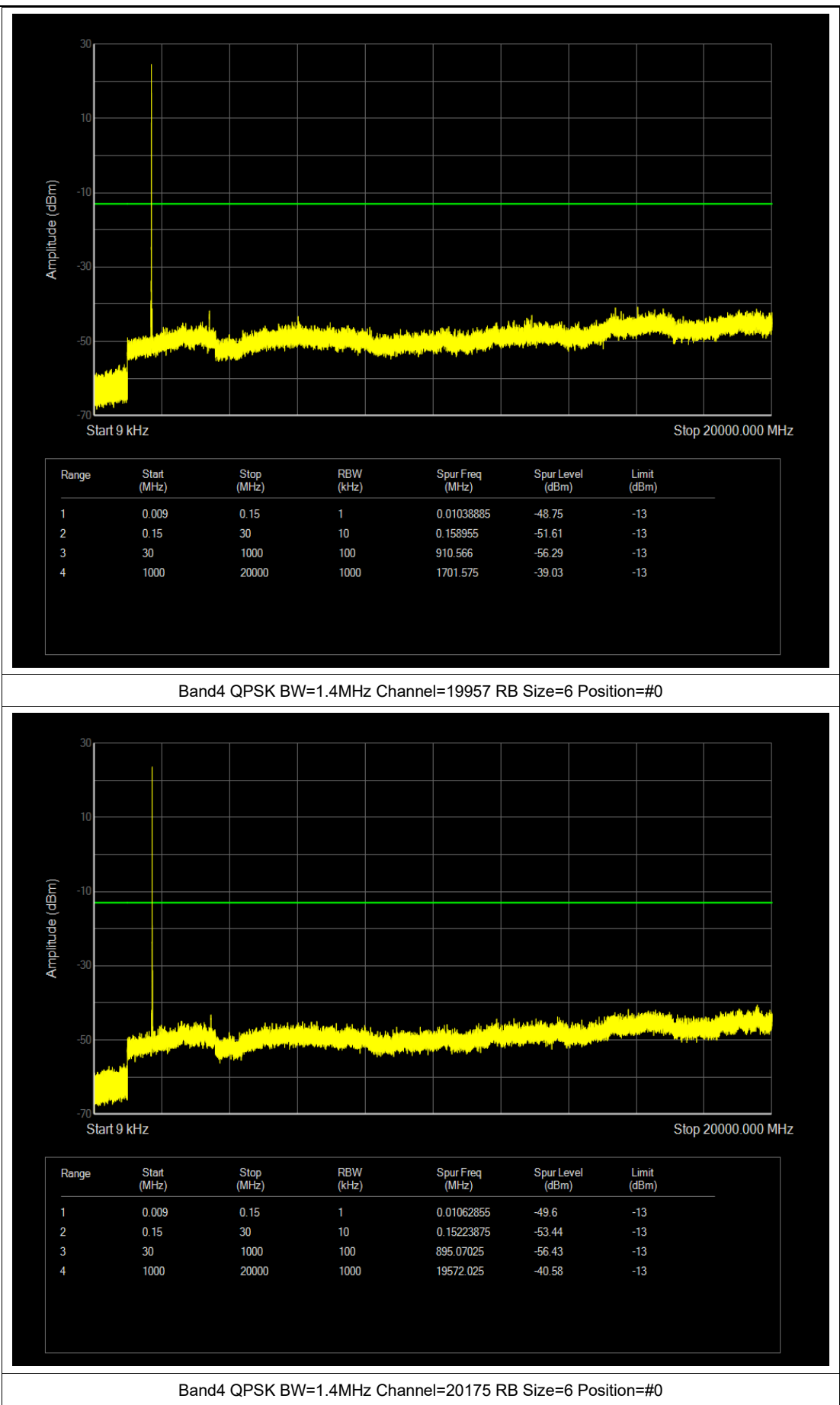
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0

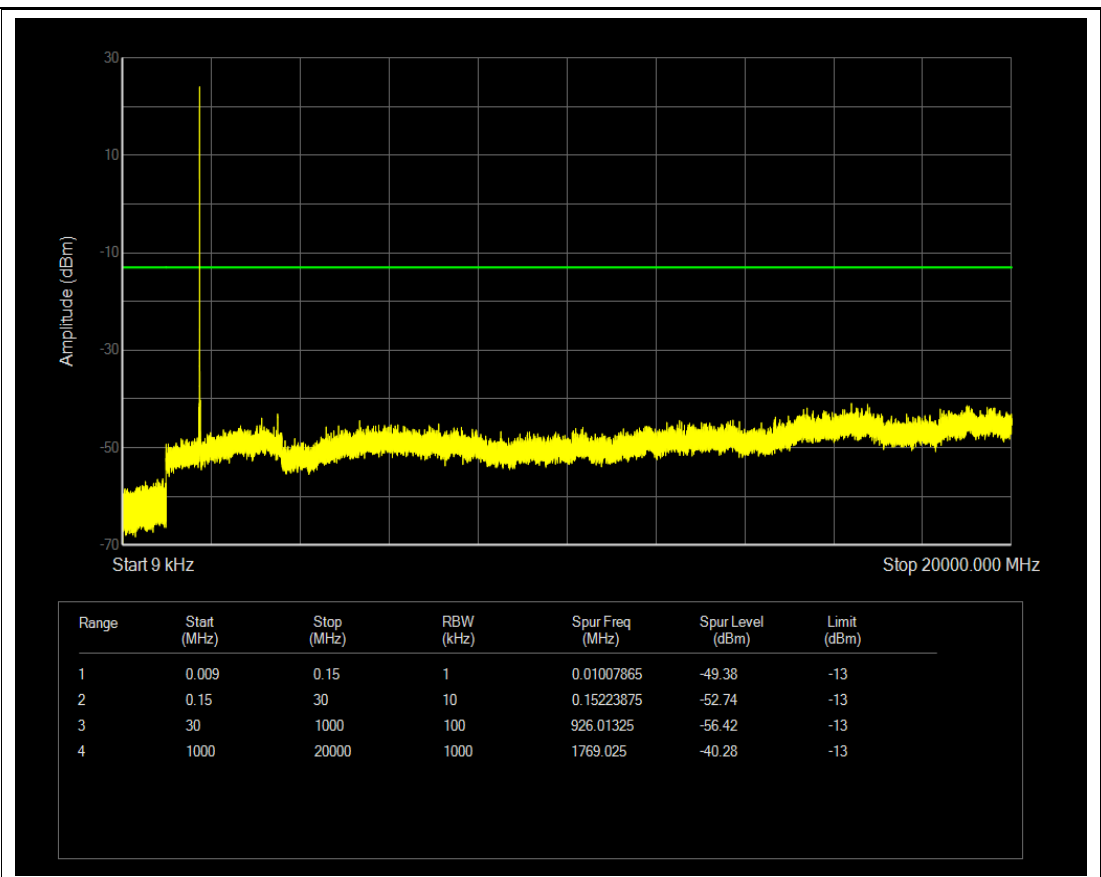


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

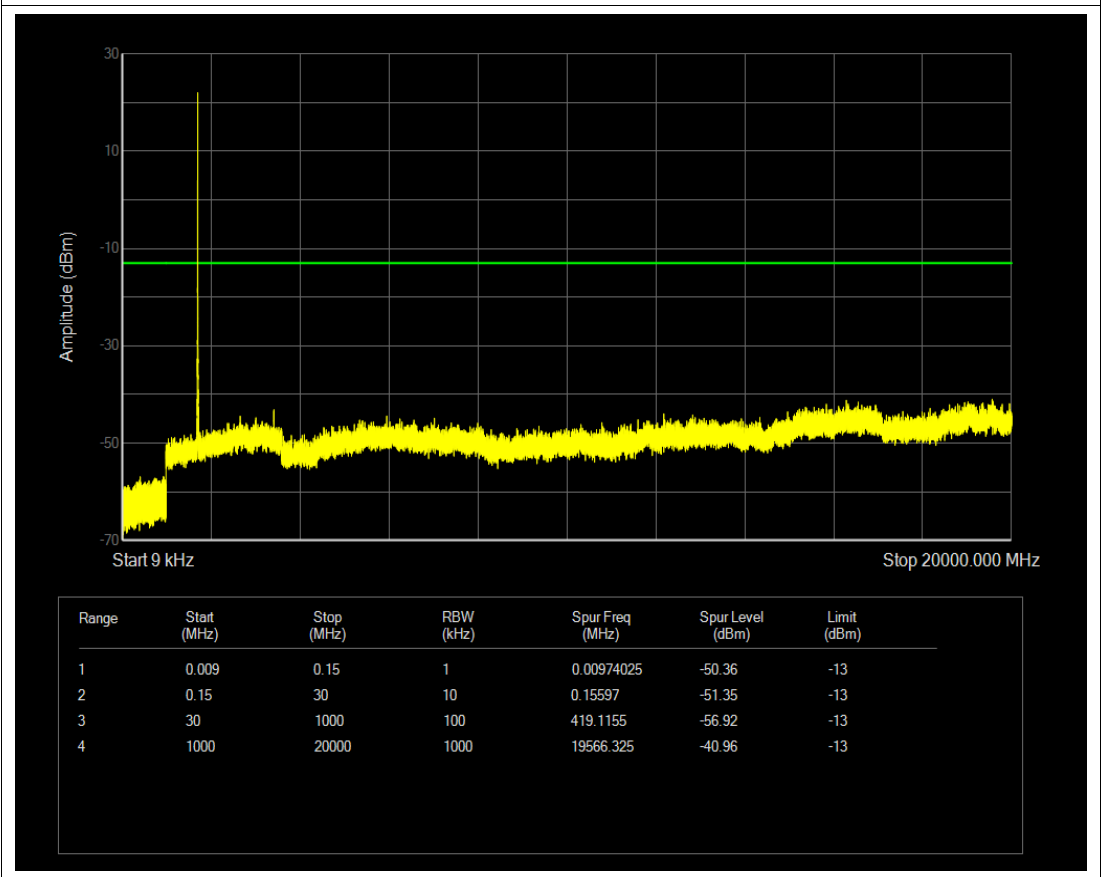
Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1701.58	-39.03	-13	PASS
Band4	1.4	20175	6	#0	QPSK	19572.03	-40.58	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1769.03	-40.28	-13	PASS
Band4	1.4	19957	6	#0	16QAM	3422.03	-40.49	-13	PASS
Band4	1.4	20175	6	#0	16QAM	3465.73	-35.48	-13	PASS
Band4	1.4	20393	6	#0	16QAM	3508.95	-38.93	-13	PASS
Band4	3	19965	15	#0	QPSK	19566.33	-40.96	-13	PASS
Band4	3	20175	15	#0	QPSK	19585.33	-40.44	-13	PASS
Band4	3	20385	15	#0	QPSK	19581.05	-40.67	-13	PASS
Band4	3	19965	15	#0	16QAM	16393.33	-40.68	-13	PASS
Band4	3	20175	15	#0	16QAM	3466.68	-36.7	-13	PASS
Band4	3	20385	15	#0	16QAM	16405.68	-40.27	-13	PASS
Band4	5	19975	25	#0	QPSK	19760.13	-40.33	-13	PASS
Band4	5	20175	25	#0	QPSK	19012.95	-40.19	-13	PASS
Band4	5	20375	25	#0	QPSK	19566.8	-40.74	-13	PASS
Band4	5	19975	25	#0	16QAM	16954.3	-41.01	-13	PASS
Band4	5	20175	25	#0	16QAM	3462.4	-37.91	-13	PASS
Band4	5	20375	25	#0	16QAM	19372.53	-40.45	-13	PASS
Band4	10	20000	50	#0	QPSK	16663.13	-41.03	-13	PASS
Band4	10	20175	50	#0	QPSK	19033.38	-41.12	-13	PASS
Band4	10	20350	50	#0	QPSK	19547.8	-41.22	-13	PASS
Band4	15	20025	75	#0	QPSK	19050.48	-40.89	-13	PASS
Band4	15	20175	75	#0	QPSK	19005.83	-40.15	-13	PASS
Band4	15	20325	75	#0	QPSK	16710.63	-41.18	-13	PASS
Band4	20	20050	100	#0	QPSK	19299.38	-41.49	-13	PASS
Band4	20	20175	100	#0	QPSK	16216.15	-40.9	-13	PASS
Band4	20	20300	100	#0	QPSK	19064.25	-39.78	-13	PASS

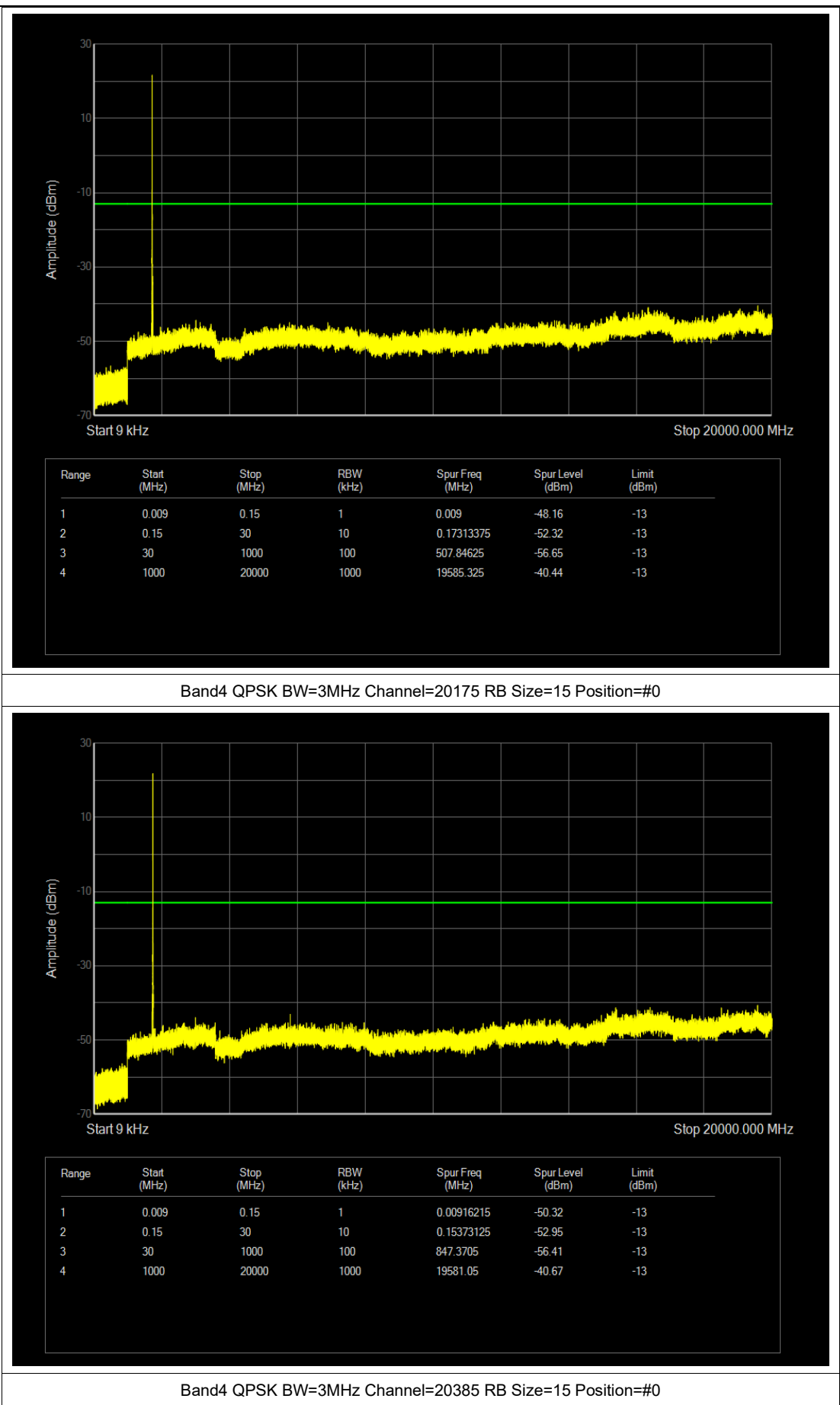


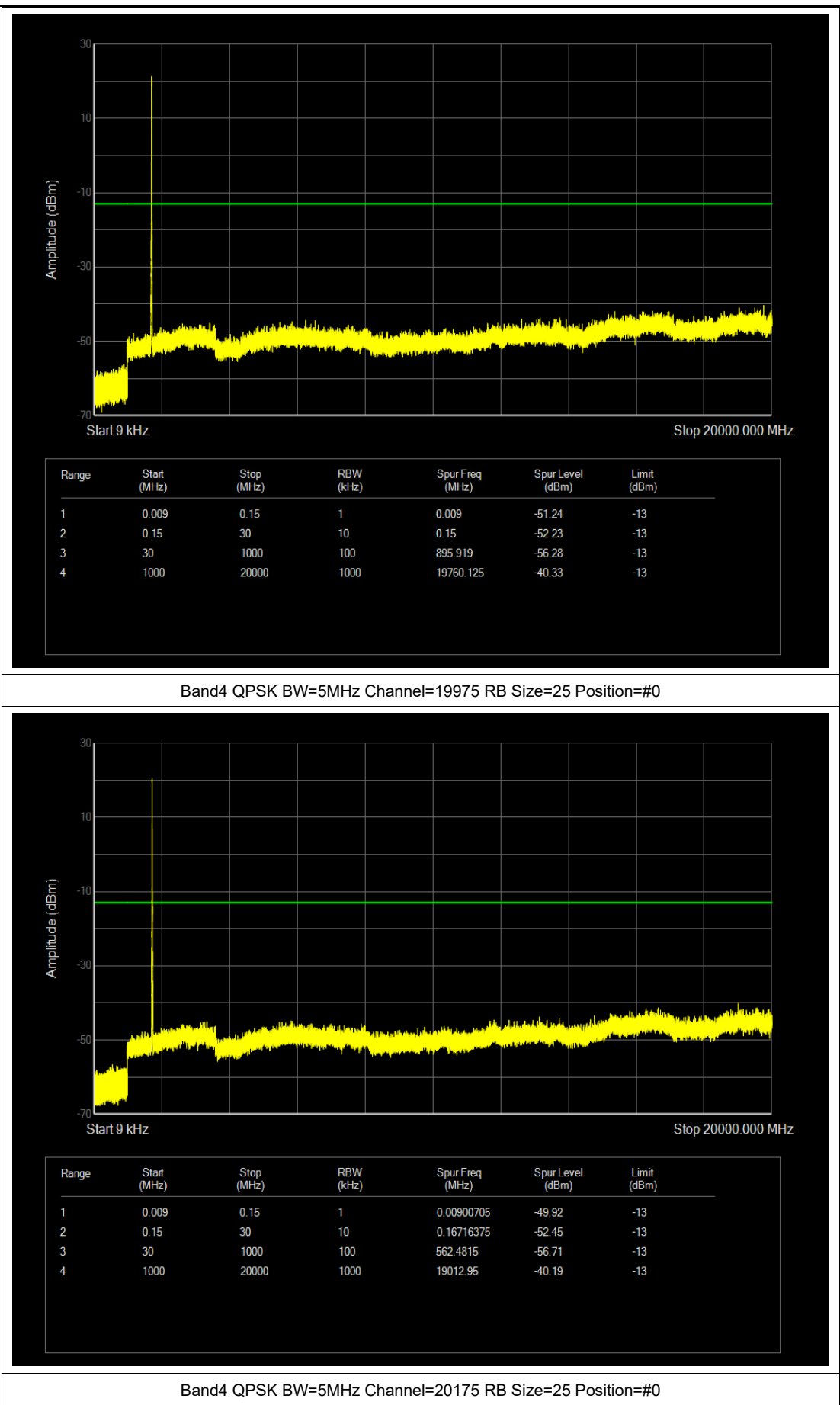


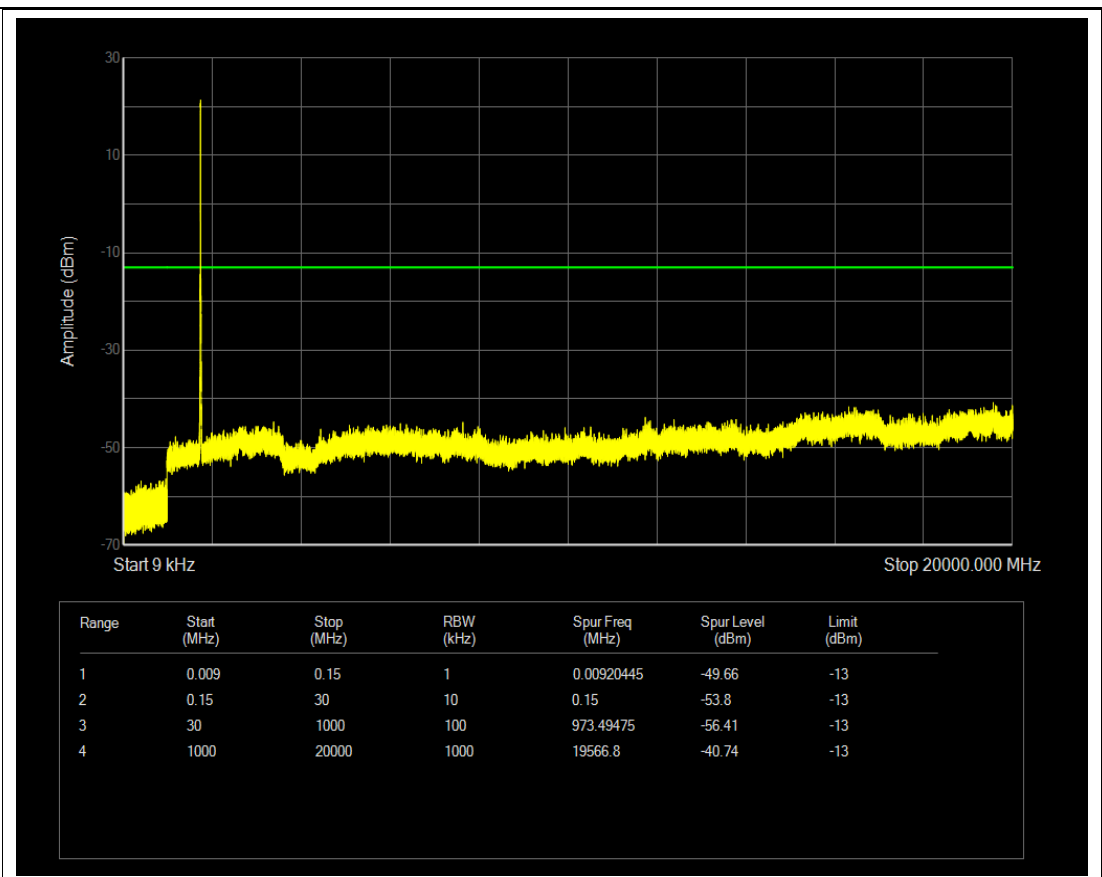
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



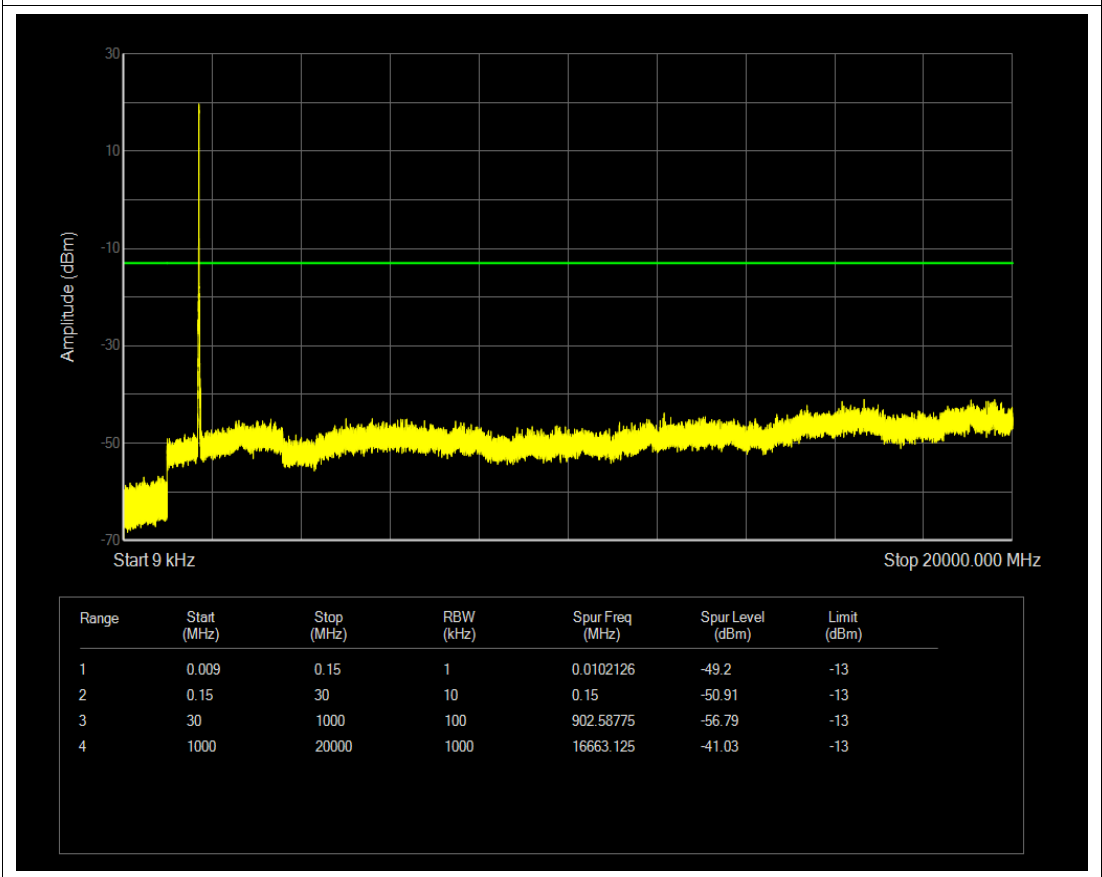
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



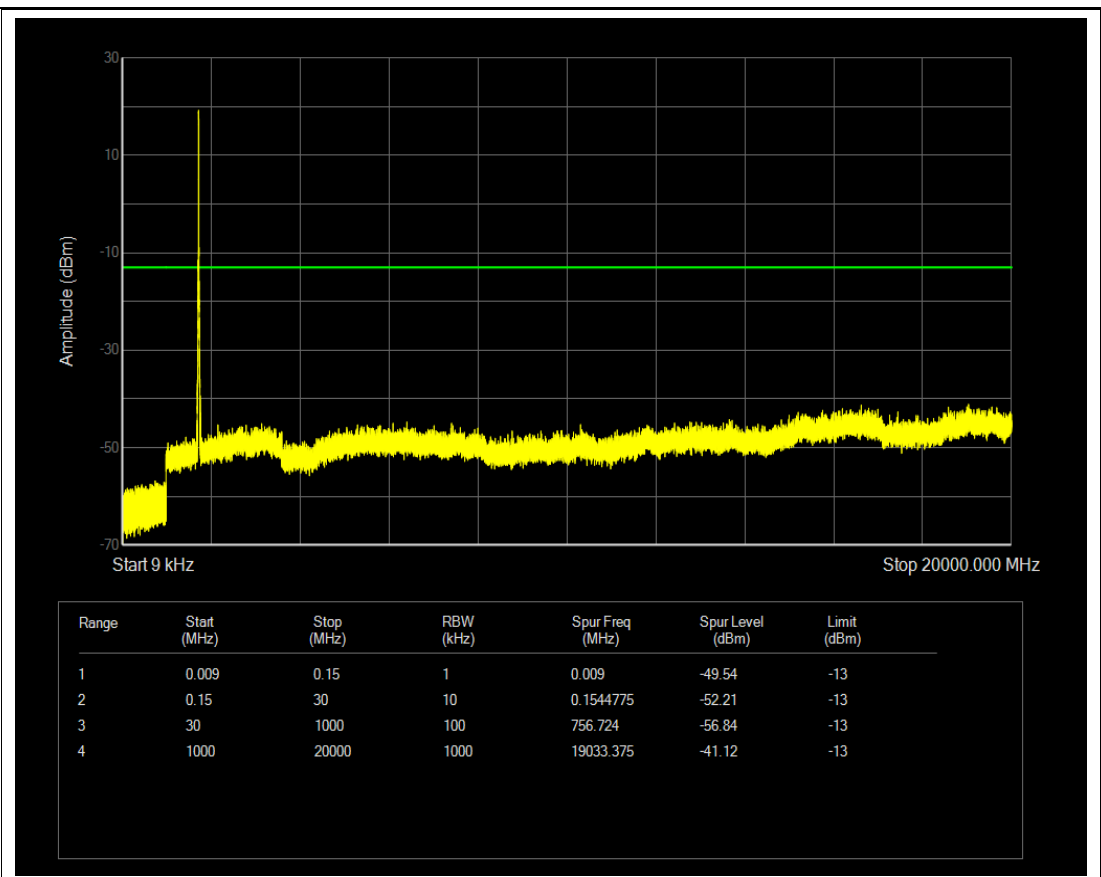




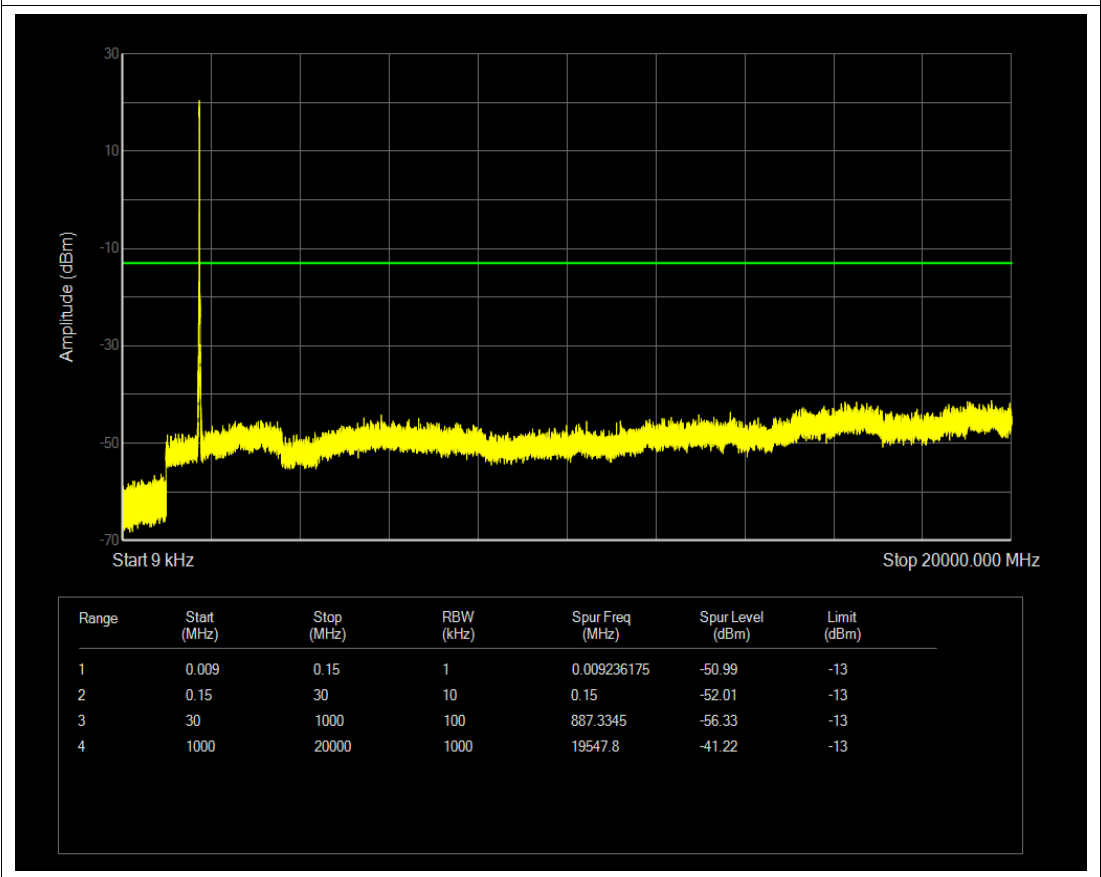
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



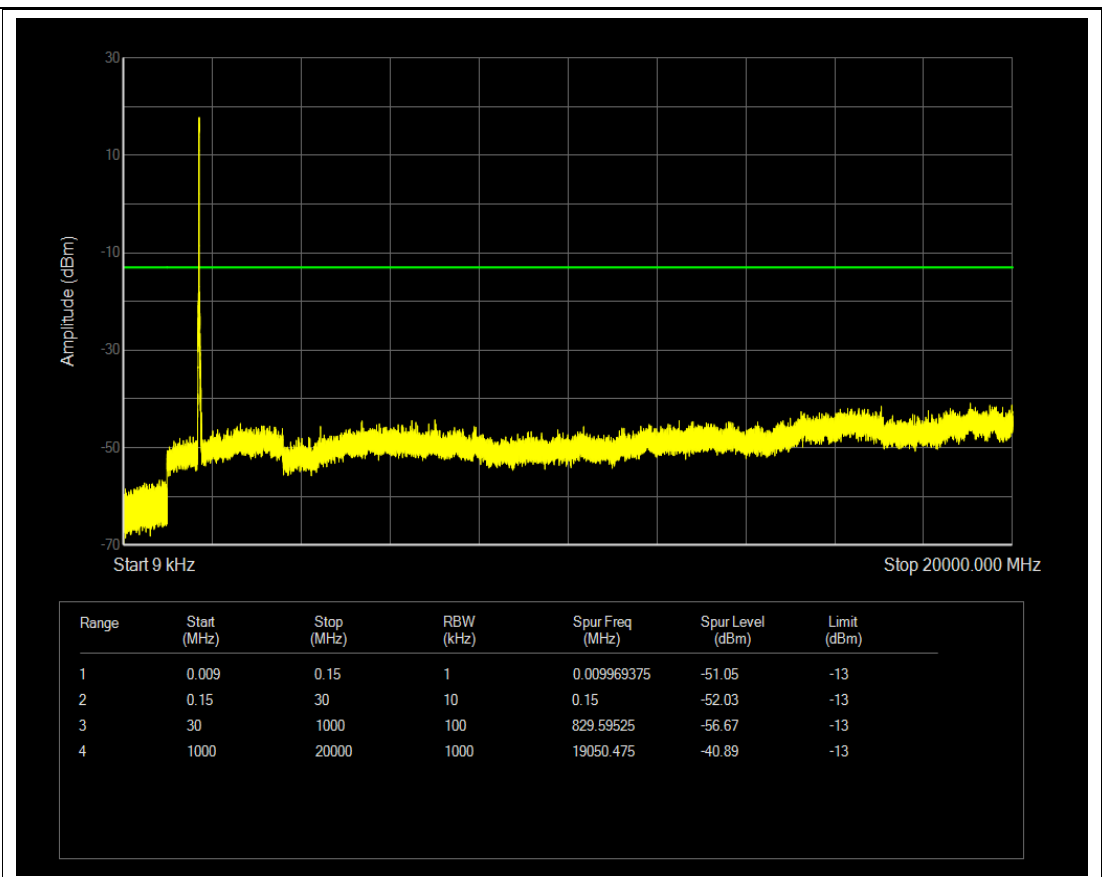
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



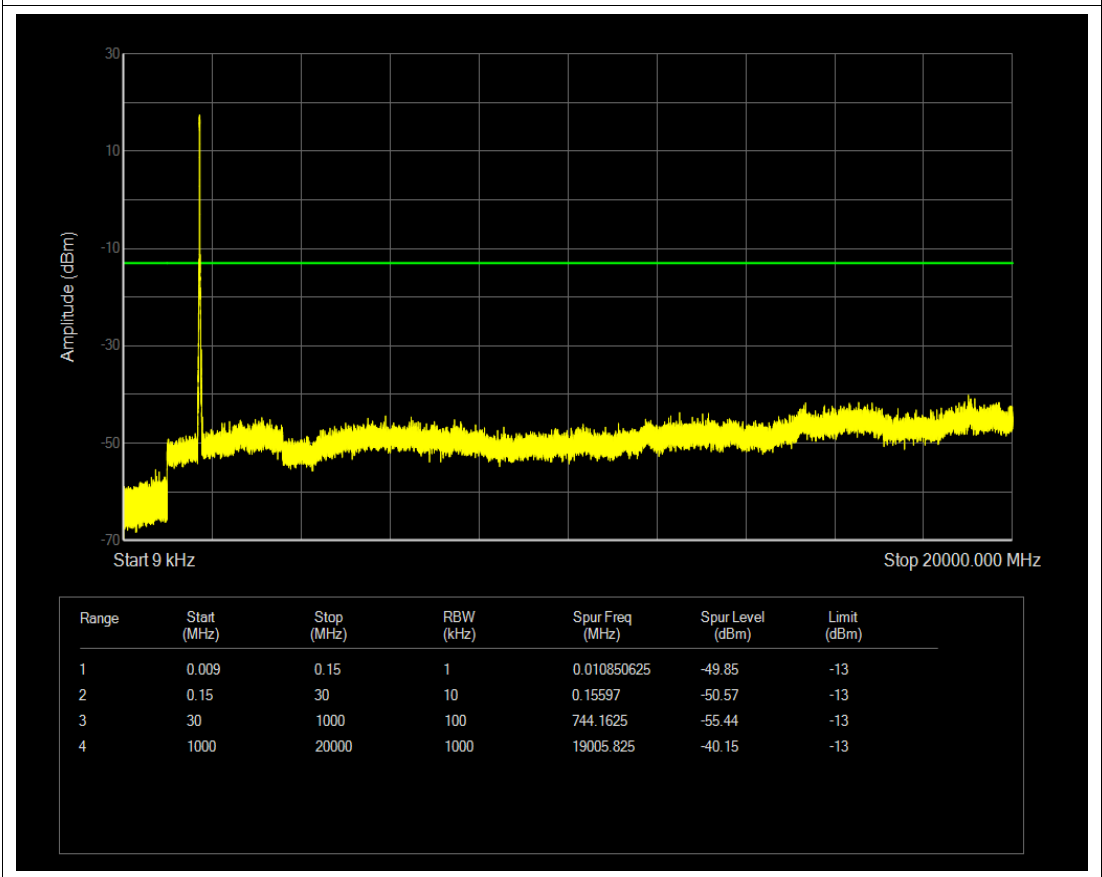
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



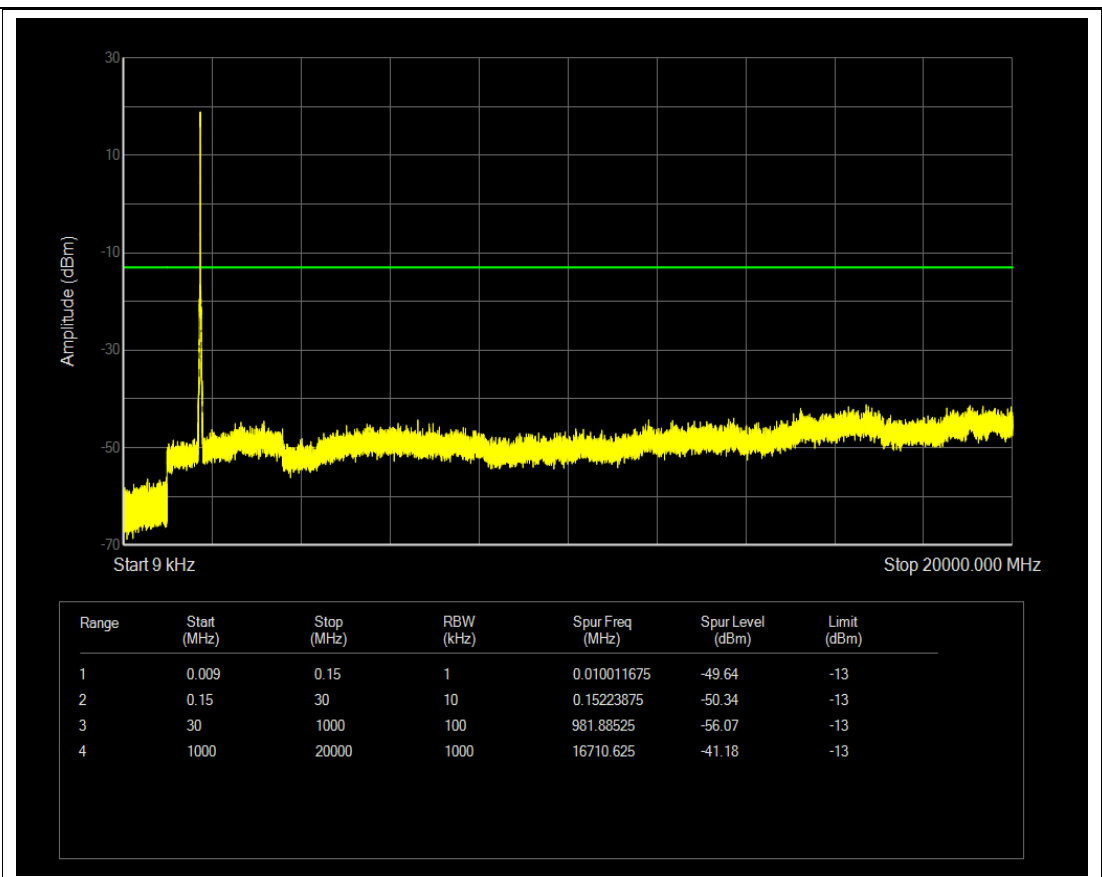
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



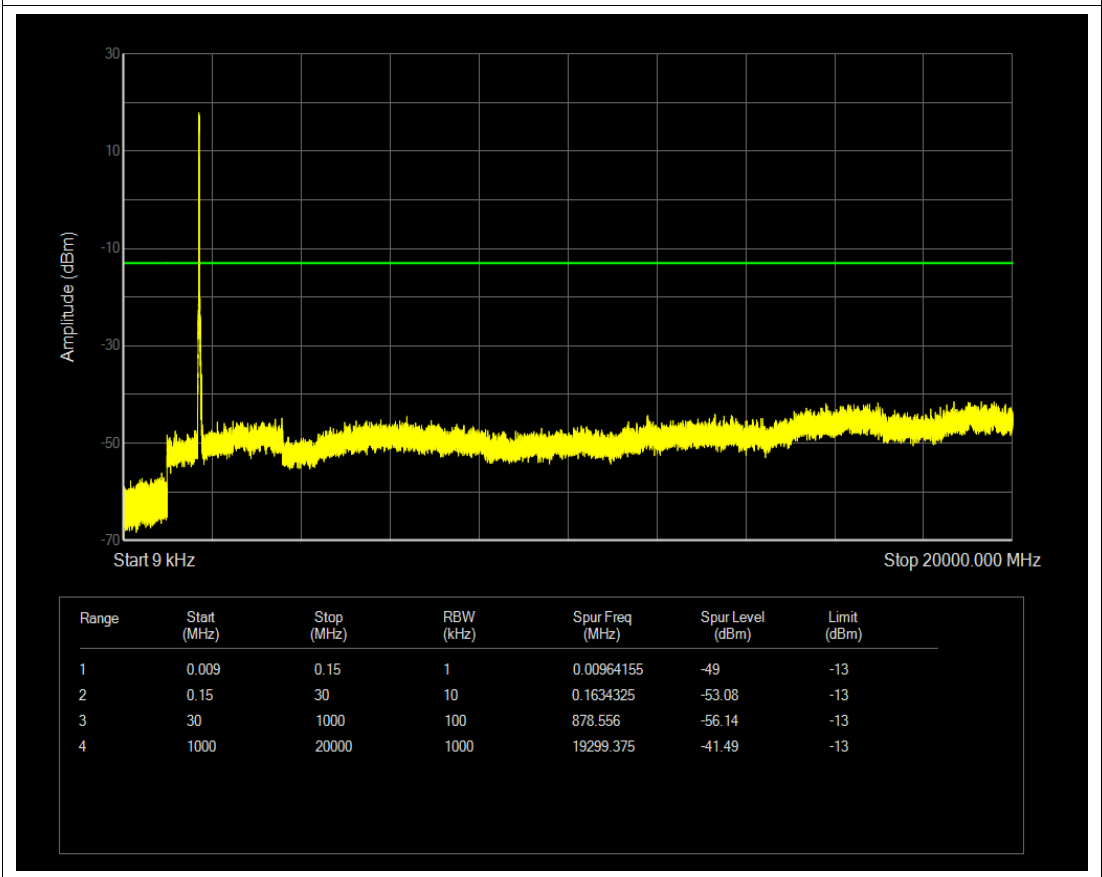
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



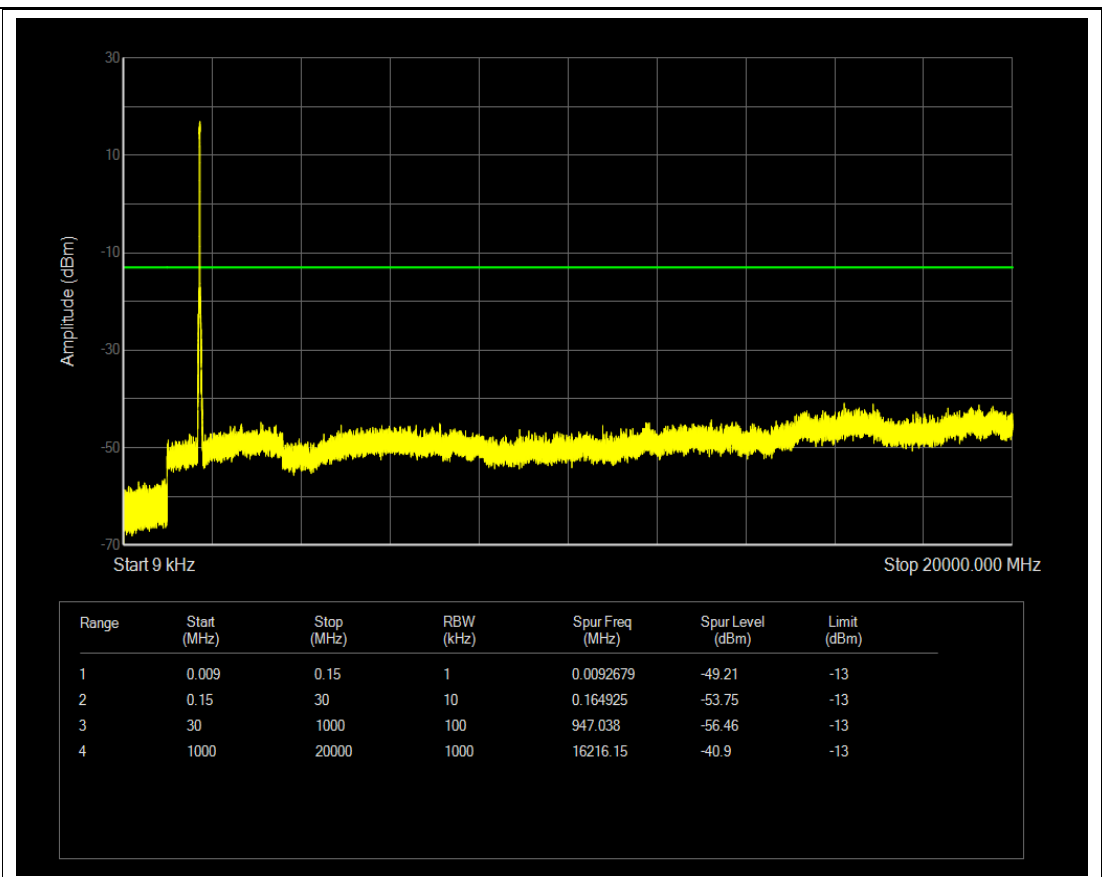
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



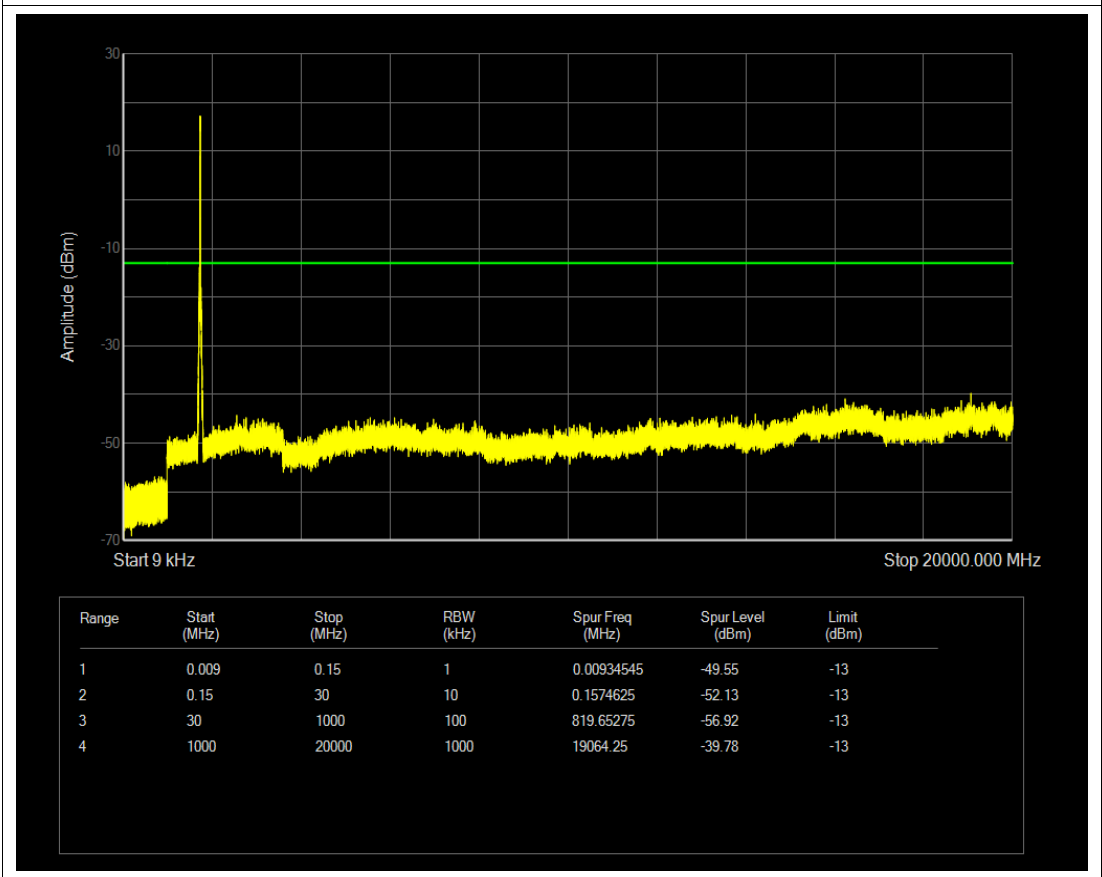
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



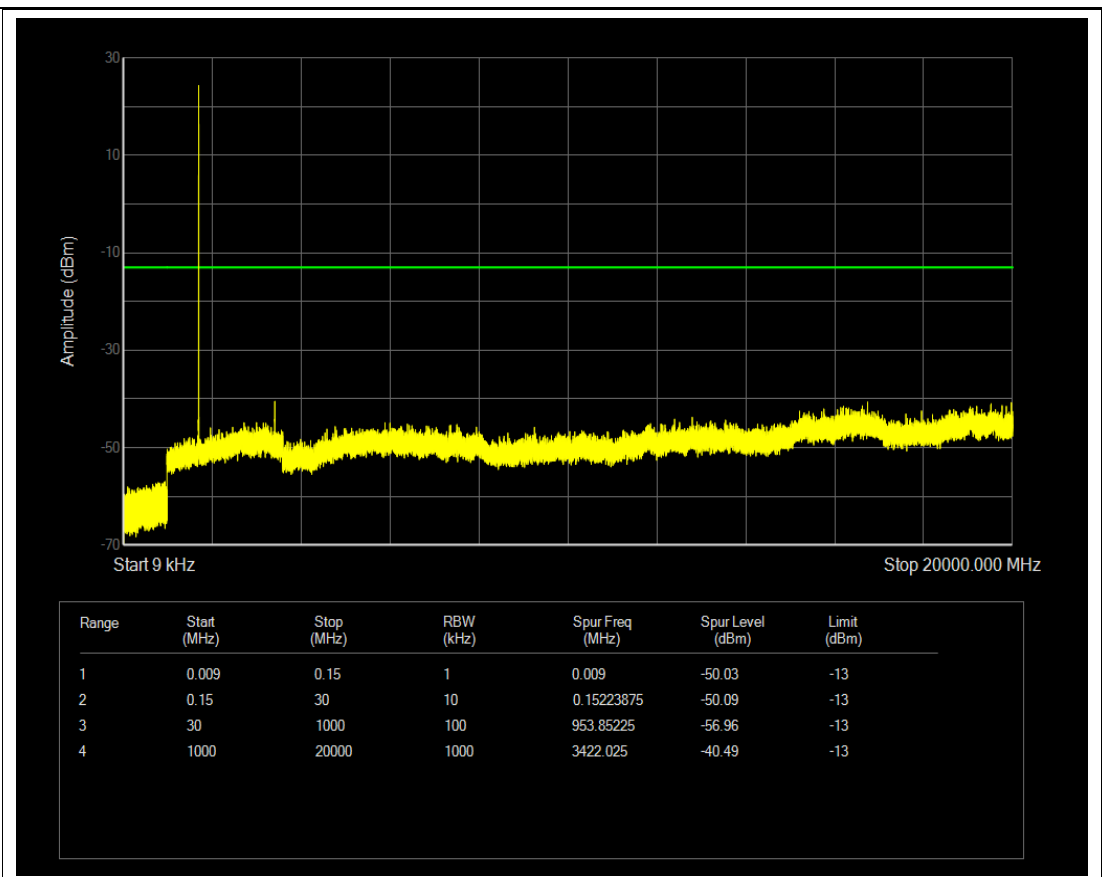
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



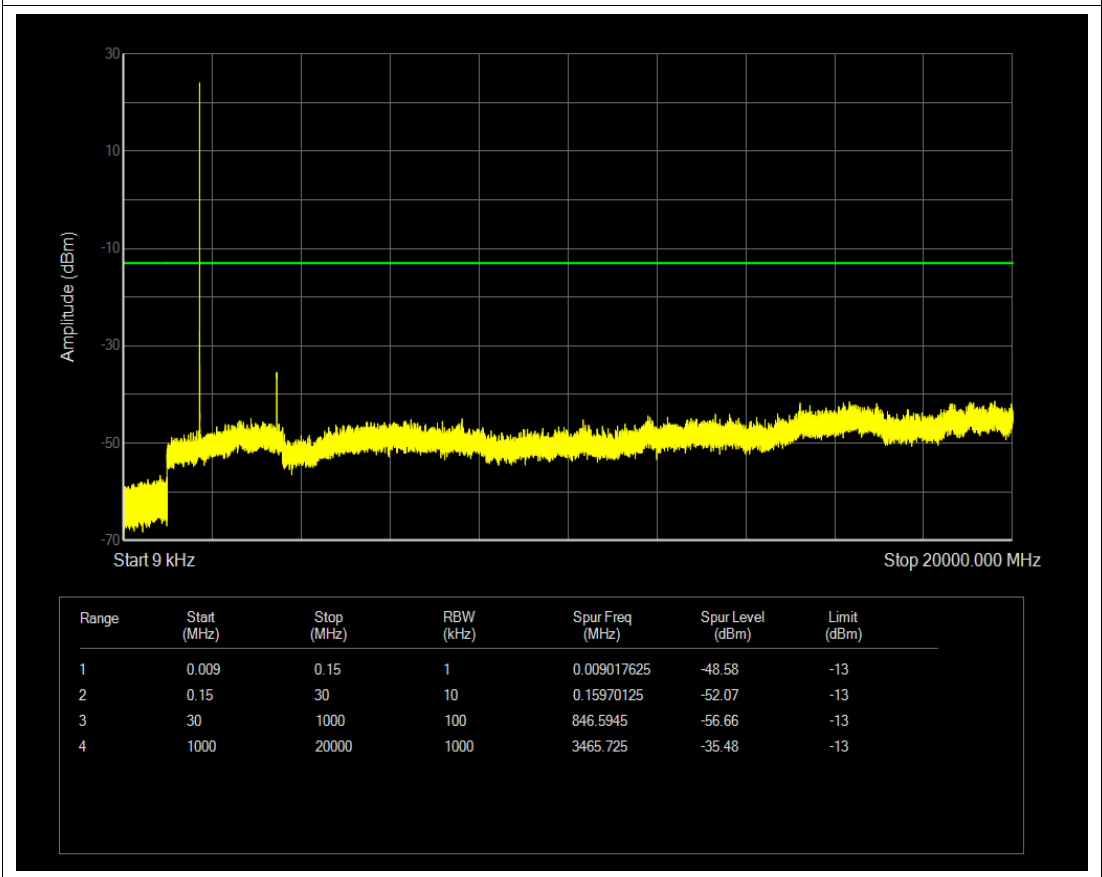
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



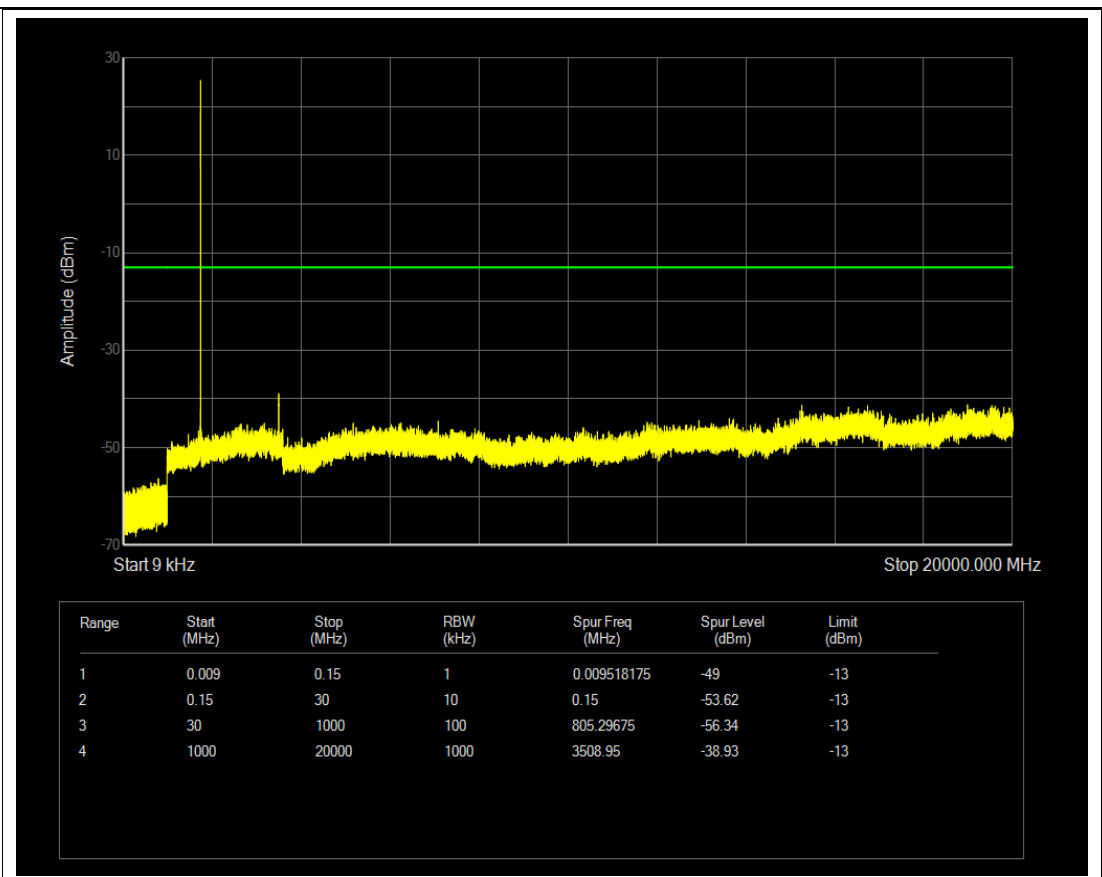
Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



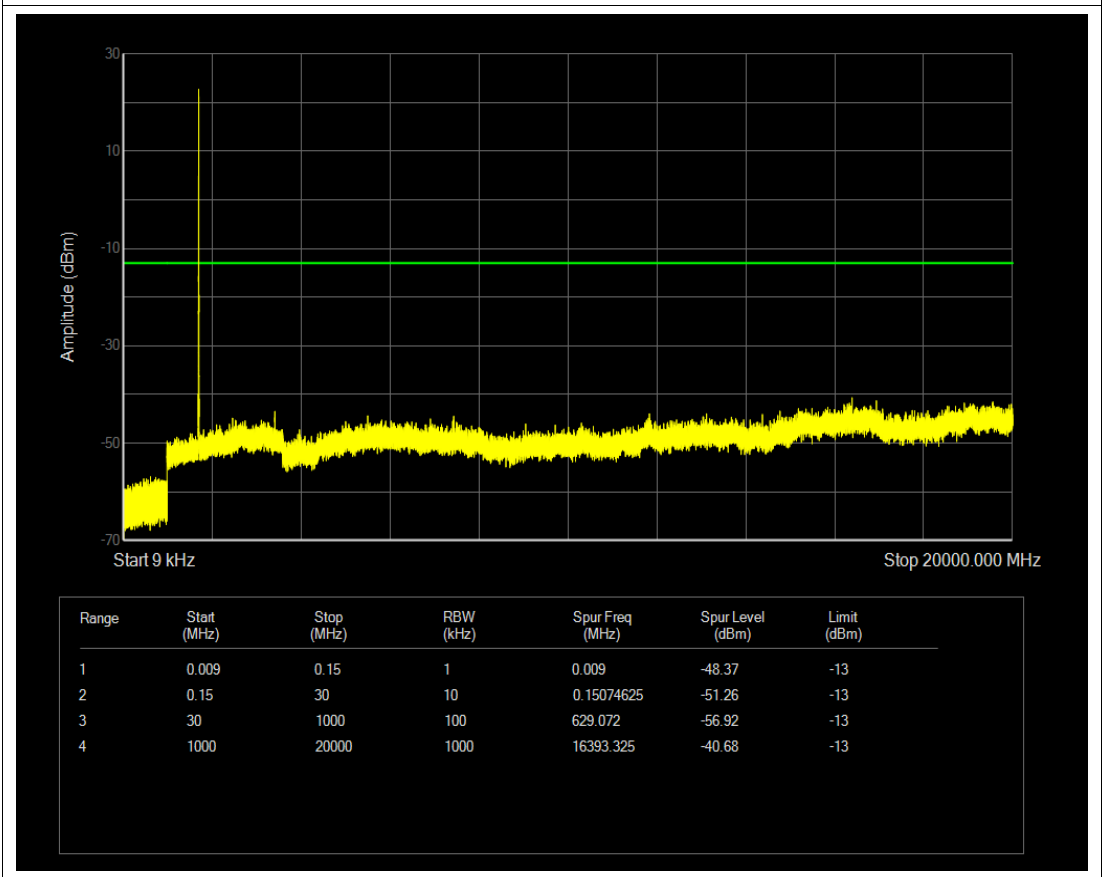
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



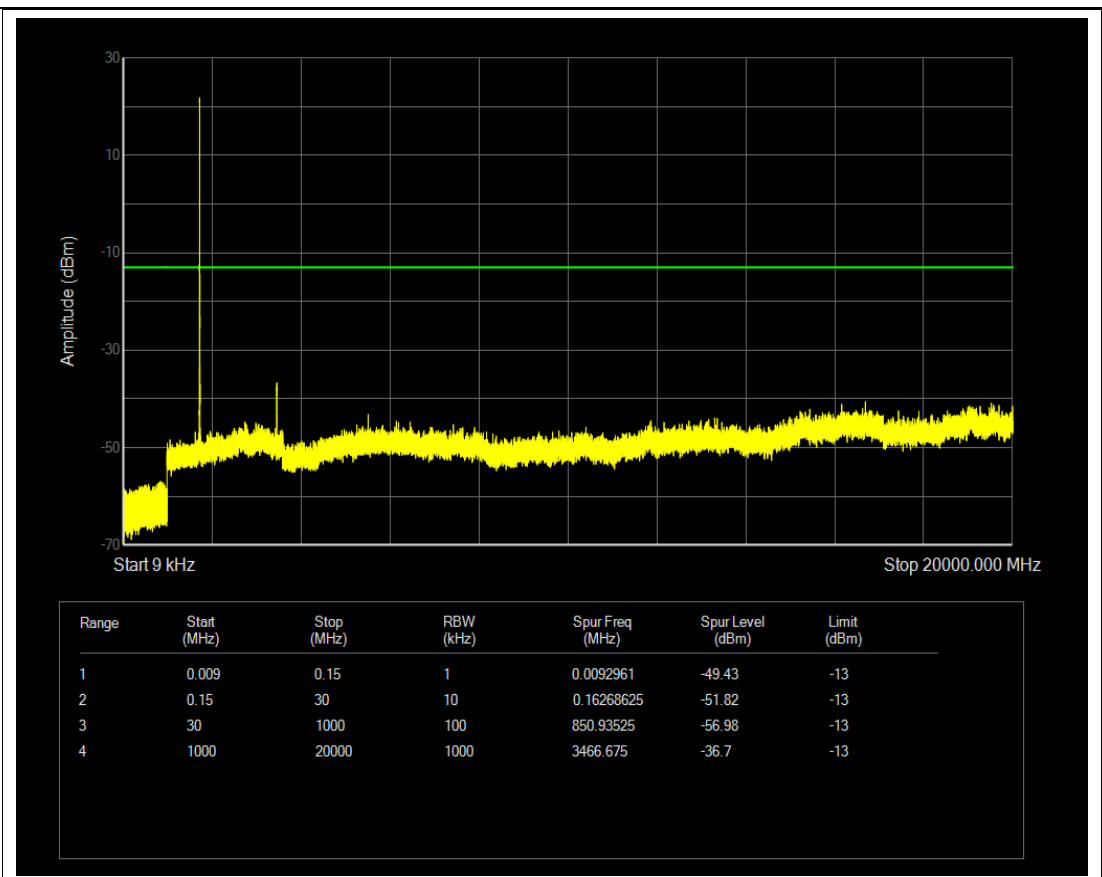
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



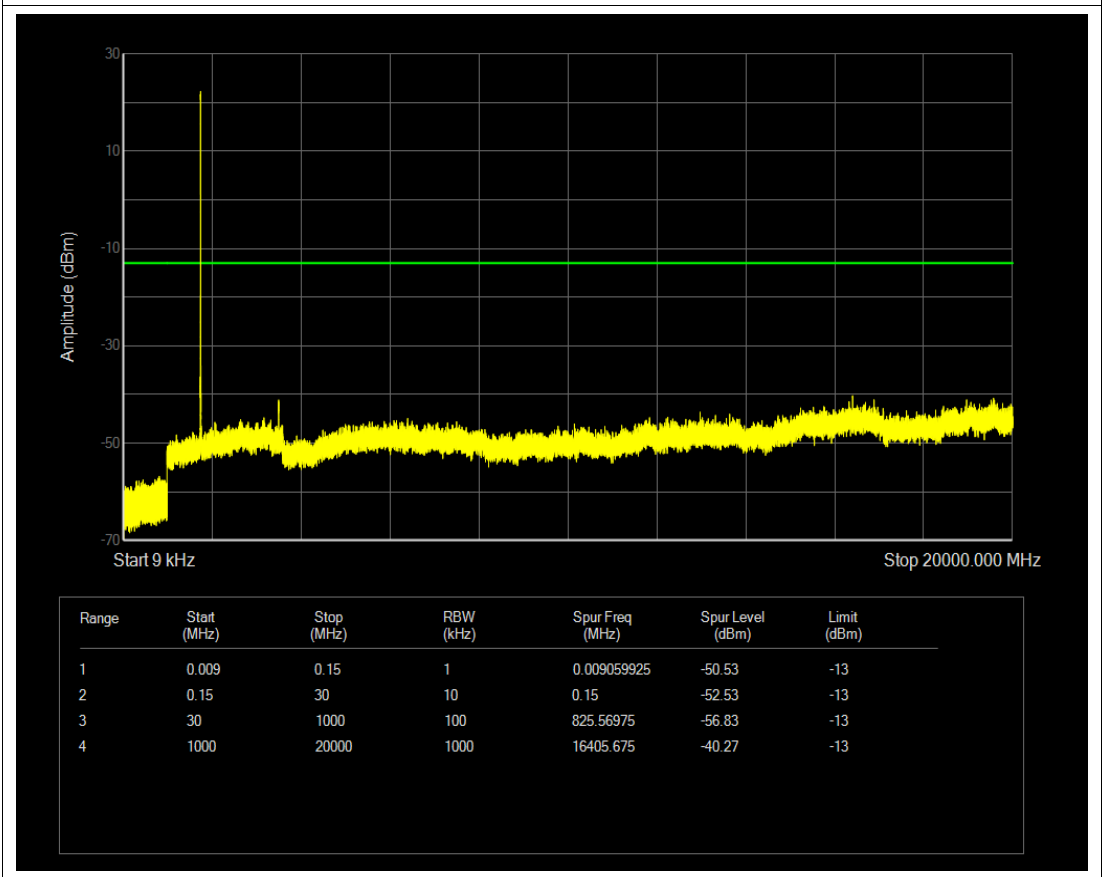
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



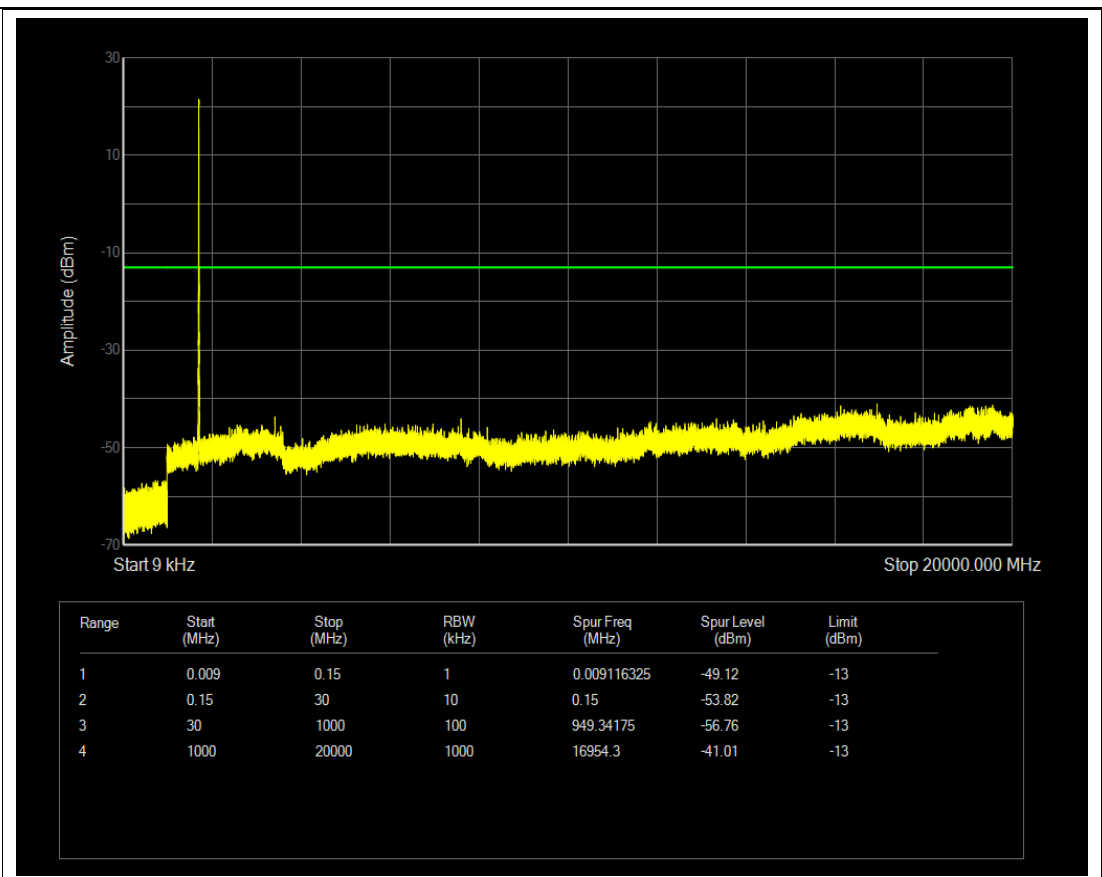
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



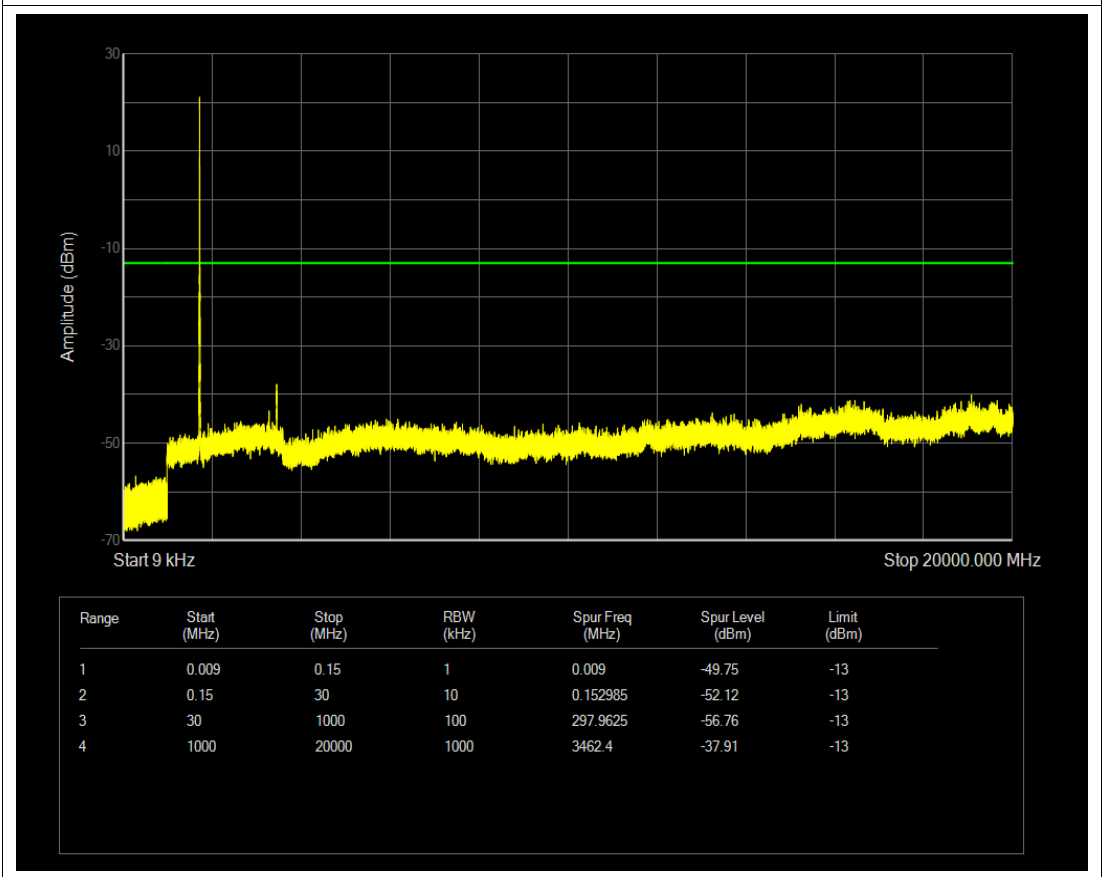
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



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



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



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

