

TEST RESULTS (Cont):

Bandwidth (MHz)	Channel Location Frequency (MHz) Channel Number	Modulation	Resource Block Size	Resource Block Offset	Average power at antenna port (dBm)	PAPR (dB)
5	Lowest (20775 (2502.5 MHz))	QPSK	1	0	22.93	4.72
			1	24	22.89	
			12	0	22.91	
			12	11	21.94	
			25	0	21.89	
		16-QAM	1	0	22.02	5.77
			1	24	21.99	
			12	0	22.07	
			12	11	20.97	
			25	0	20.95	
	Middle (21100 (2535 MHz))	QPSK	1	0	23.05	4.70
			1	24	23.01	
			12	0	23	
			12	11	22	
			25	0	22.01	
		16-QAM	1	0	22.16	5.71
			1	24	22.12	
			12	0	22.03	
			12	11	21.11	
			25	0	21.04	
	Highest (24125 (2567.5 MHz))	QPSK	1	0	23.16	4.67
			1	24	23.15	
			12	0	23.07	
			12	11	22.19	
			25	0	22.14	
		16-QAM	1	0	22.6	5.45
			1	24	22.56	
			12	0	22.5	
			12	11	21.11	
			25	0	21.22	

TEST RESULTS (Cont):						
BANDWIDTH (MHz)	CHANNEL FREQUENCY (MHz)	MODULATION	RB SIZE	RB OFFSET	AVERAGE POWER (dBm)	PAPR (dB)
10	Lowest (20800 (2505 MHz))	QPSK	1	0	22.96	4.67
			1	24	22.93	
			1	49	22.87	
			25	0	21.95	
			25	24	21.98	
			50	0	22.02	
		16-QAM	1	0	22.18	5.54
			1	24	22.21	
			1	49	22.11	
			25	0	21.05	
			25	24	21.03	
			50	0	20.97	
	Middle (21100 (2535 MHz))	QPSK	1	0	22.97	4.67
			1	24	23	
			1	49	23.01	
			25	0	22.05	
			25	24	21.99	
			50	0	22.03	
		16-QAM	1	0	22.23	5.68
			1	24	22.23	
			1	49	22.28	
			25	0	21.08	
			25	24	21.01	
			50	0	20.99	
	Highest (21400 (2565 MHz))	QPSK	1	0	23.18	4.64
			1	24	23.17	
			1	49	23.09	
			25	0	22.27	
			25	24	22.17	
			50	0	22.22	
		16-QAM	1	0	22.36	5.59
			1	24	22.37	
			1	49	22.3	
			25	0	21.35	
			25	24	21.27	
			50	0	21.22	

TEST RESULTS (Cont):

BANDWIDTH (MHz)	CHANNEL FREQUENCY (MHz)	MODULATION	RB SIZE	RB OFFSET	AVERAGE POWER (dBm)	PAPR (dB)
15	Lowest (20825 (2507.5 MHz))	QPSK	1	0	22.98	4.67
			1	37	22.92	
			1	74	22.96	
			36	0	21.97	
			36	37	21.89	
			75	0	21.93	
		16-QAM	1	0	22.26	5.62
			1	37	22.18	
			1	74	22.19	
			36	0	21.04	
			36	37	21.01	
			75	0	21.02	
	Middle (21100 (2535 MHz))	QPSK	1	0	23.05	4.61
			1	37	23.02	
			1	74	22.97	
			36	0	22.07	
			36	37	22	
			75	0	22	
		16-QAM	1	0	22.3	5.65
			1	37	22.2	
			1	74	22.22	
			36	0	21.12	
			36	37	21	
			75	0	21.03	
	Highest (21375 (2562.5 MHz))	QPSK	1	0	23.29	4.64
			1	37	23.2	
			1	74	23.13	
			36	0	22.23	
			36	37	22.2	
			75	0	22.26	
		16-QAM	1	0	22.27	5.57
			1	37	22.19	
			1	74	22.06	
			36	0	21.26	
			36	37	21.24	
			75	0	21.23	

TEST RESULTS (Cont):

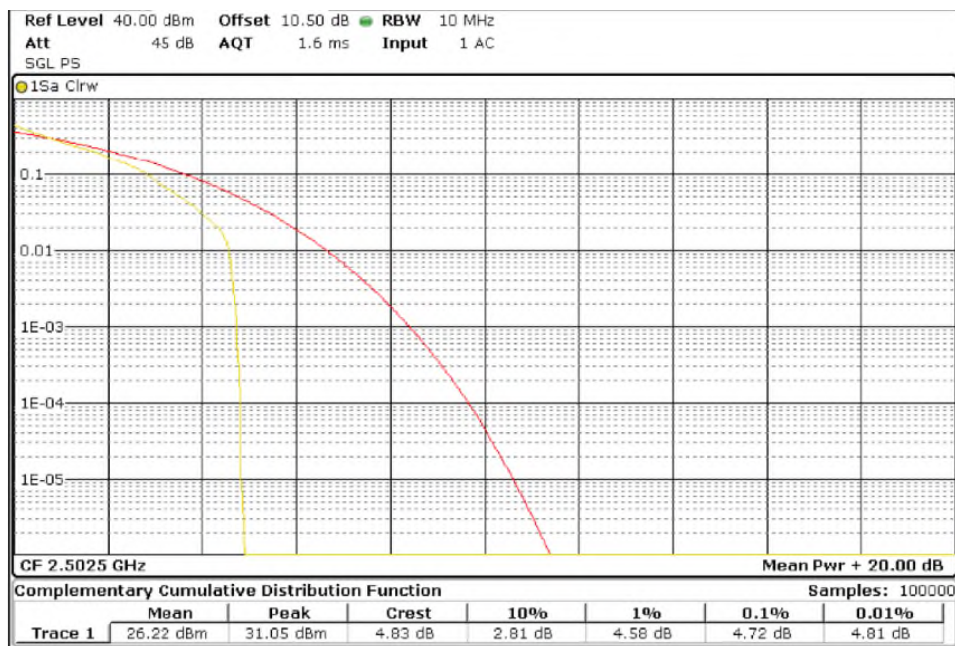
BANDWIDTH (MHz)	CHANNEL FREQUENCY (MHz)	MODULATION	RB SIZE	RB OFFSET	AVERAGE POWER (dBm)	PAPR (dB)
20	Lowest (20850 (2510 MHz))	QPSK	1	0	23.04	4.67
			1	49	22.93	
			1	99	22.94	
			50	0	22.05	
			50	49	21.99	
			100	0	21.96	
		16-QAM	1	0	22.14	5.54
			1	49	22.01	
			1	99	22.08	
			50	0	21.1	
			50	49	21.01	
			100	0	20.97	
	Middle (21100 (2535 MHz))	QPSK	1	0	23.14	4.64
			1	49	23.03	
			1	99	23.04	
			50	0	22.01	
			50	49	22.06	
			100	0	22.05	
		16-QAM	1	0	22.58	5.51
			1	49	22.41	
			1	99	22.38	
			50	0	21	
			50	49	21.04	
			100	0	21.05	
	Highest (21350 (2560 MHz))	QPSK	1	0	23.27	4.61
			1	49	23.15	
			1	99	23.09	
			50	0	22.29	
			50	49	22.21	
			100	0	22.17	
		16-QAM	1	0	22.78	5.48
			1	49	22.69	
			1	99	22.73	
			50	0	21.24	
			50	49	21.17	
			100	0	21.2	

TEST RESULTS (Cont):

PAPR

Bandwidth = 5 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel



Middle channel



TEST RESULTS (Cont):

Highest channel

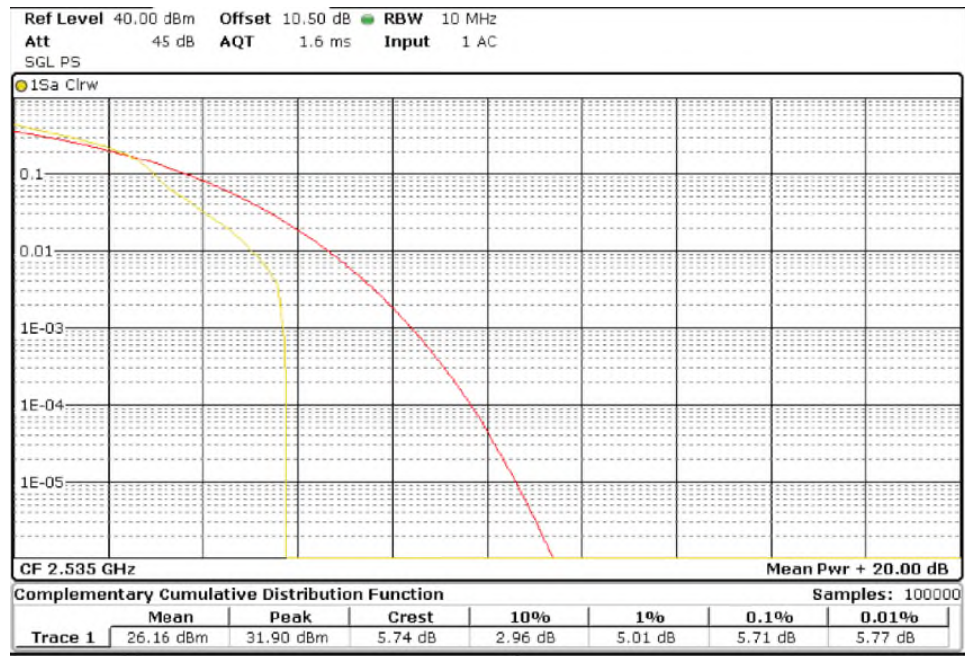


Bandwidth = 5 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.
Lowest channel

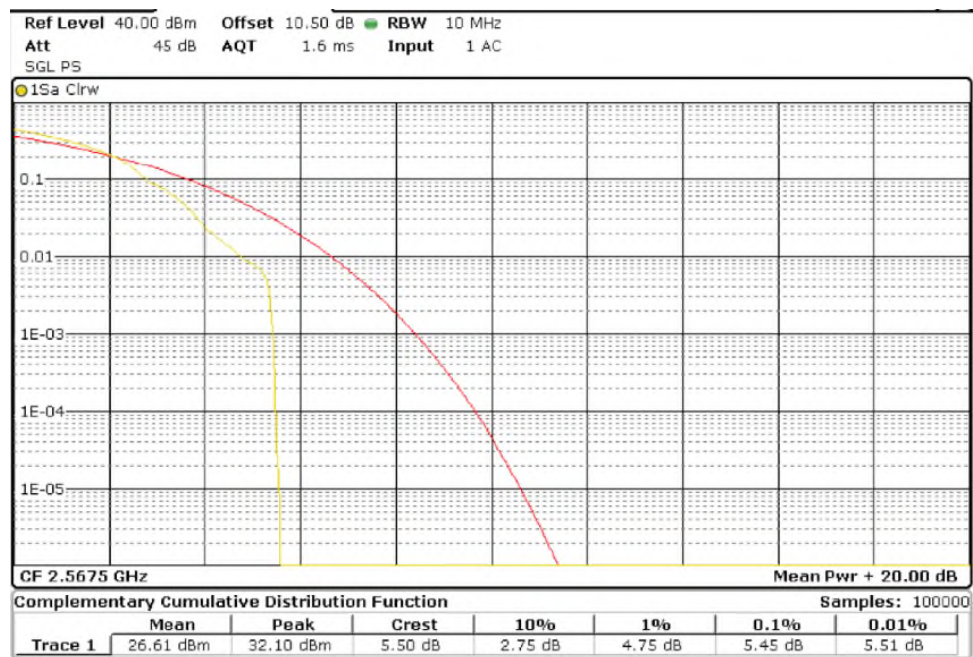


TEST RESULTS (Cont):

Middle channel



Highest channel

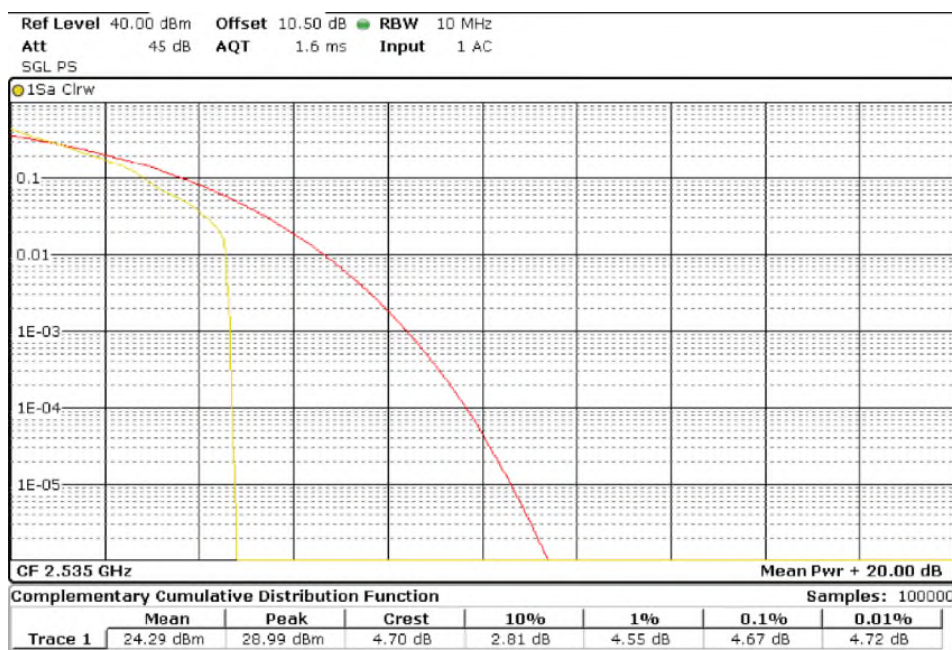


TEST RESULTS (Cont):

Bandwidth = 10 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.
Lowest channel

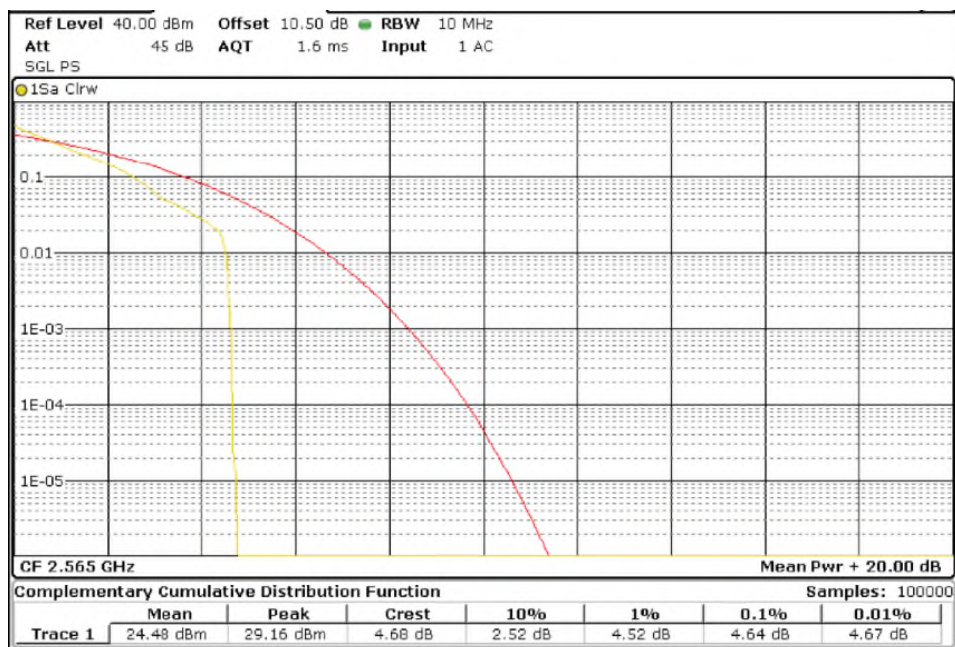


Middle channel

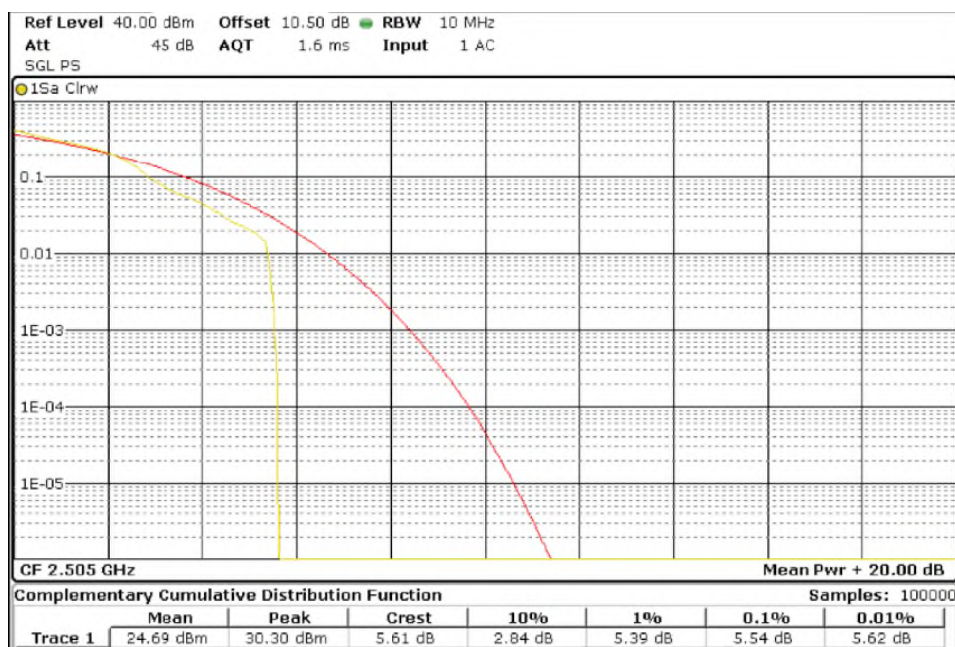


TEST RESULTS (Cont):

Highest channel

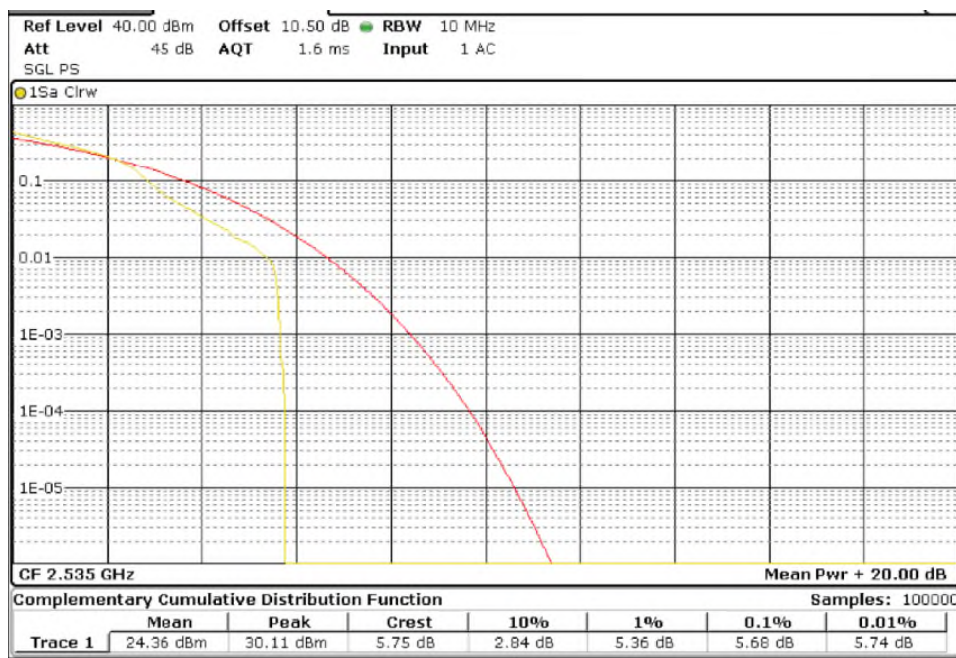


Bandwidth = 10 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.
Lowest channel

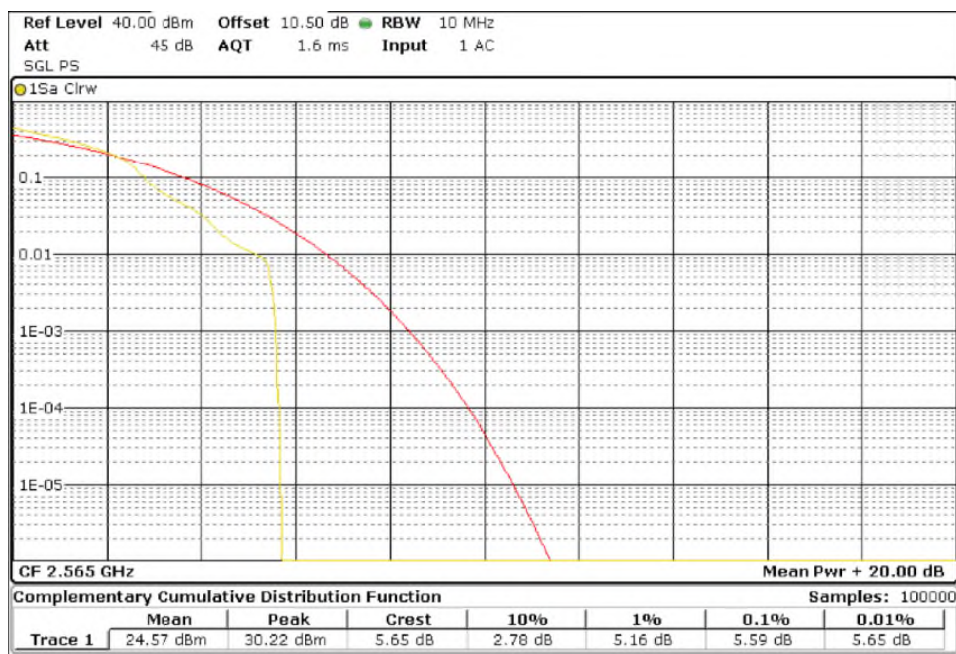


TEST RESULTS (Cont):

Middle channel



Highest channel

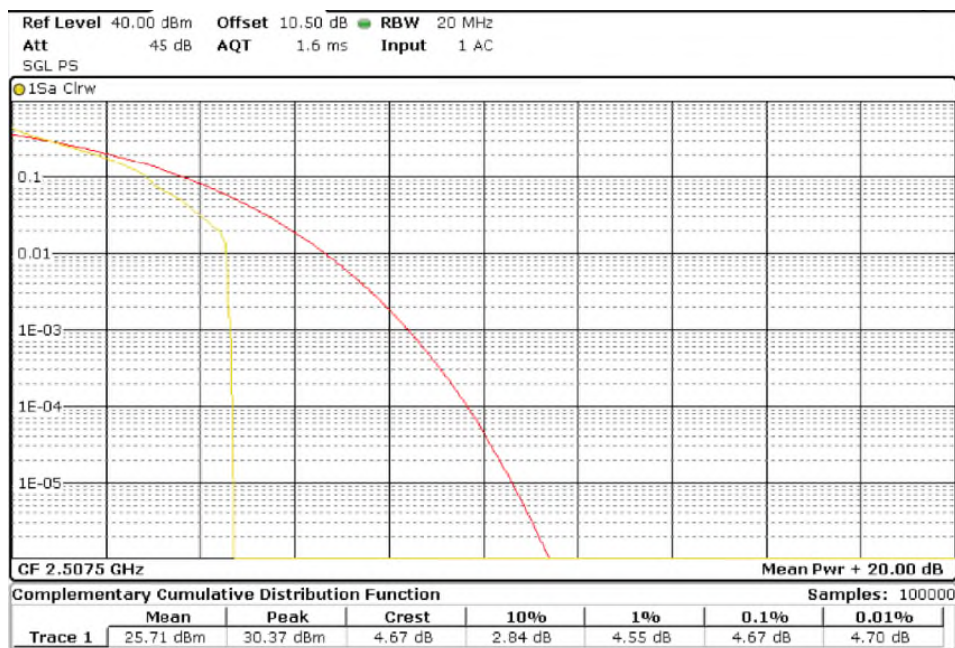


TEST RESULTS (Cont):

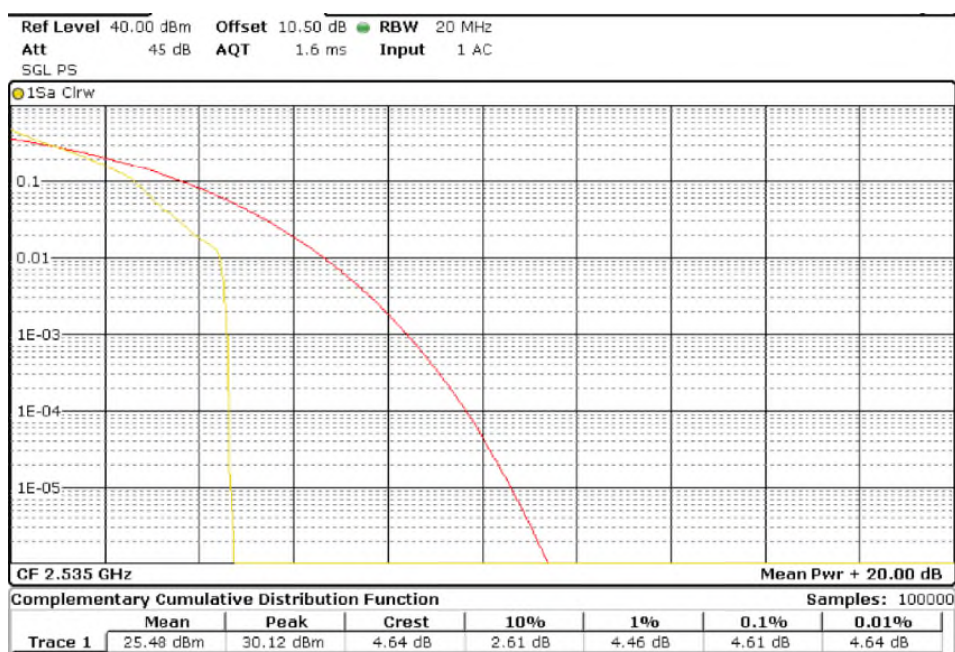
PAPR

Bandwidth = 15 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel

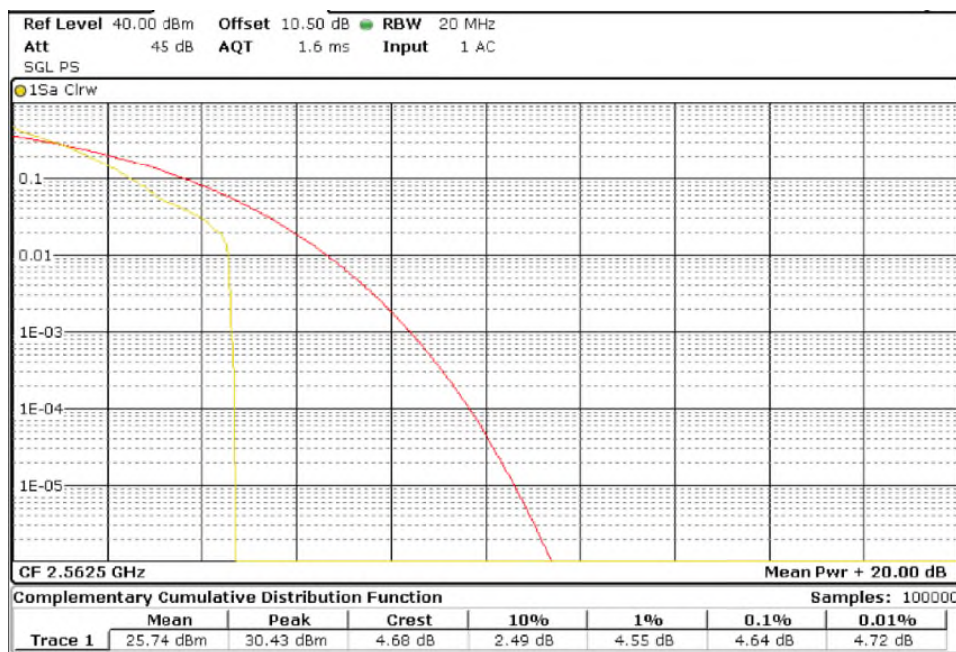


Middle channel

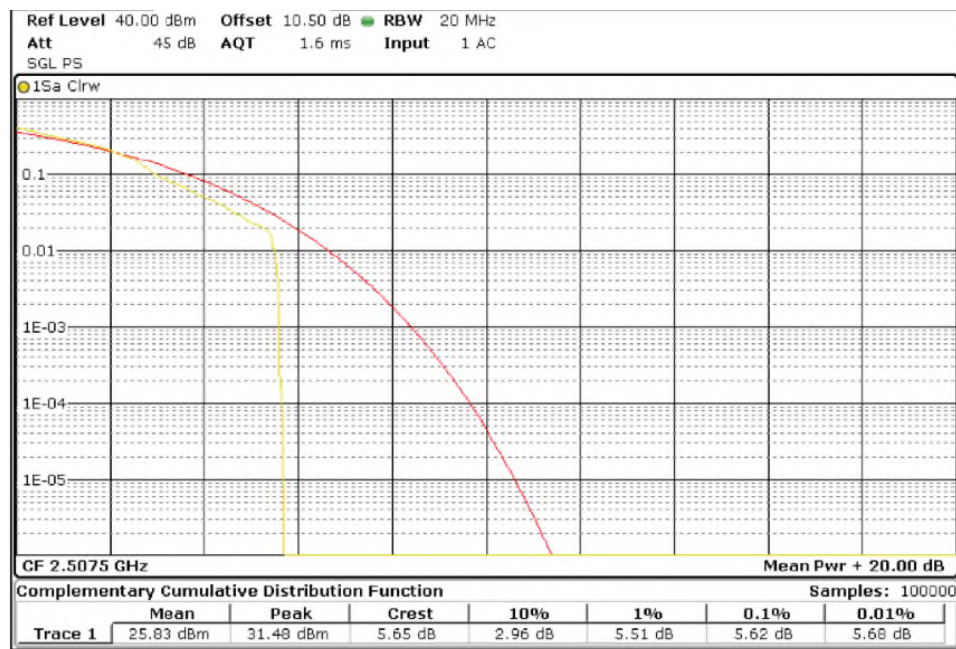


TEST RESULTS (Cont):

Highest channel



Bandwidth = 15 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.
Lowest channel

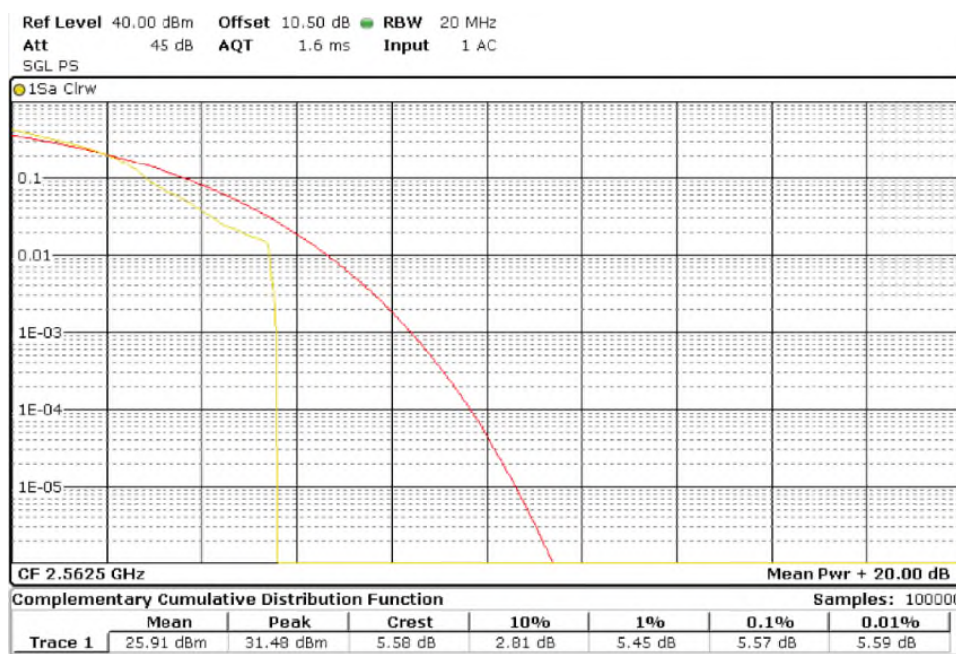


TEST RESULTS (Cont):

Middle channel

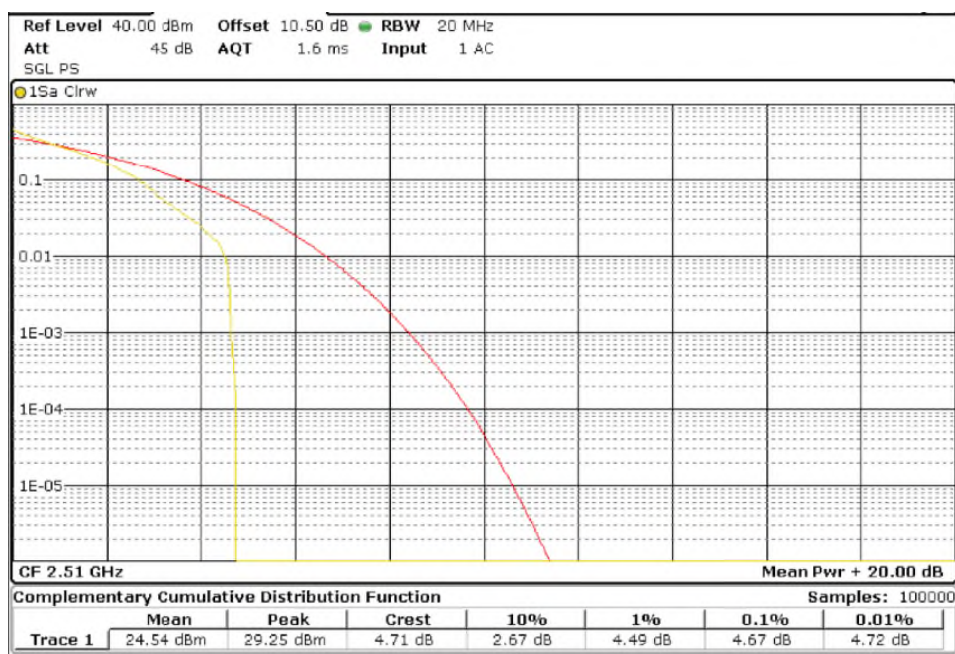


Highest channel

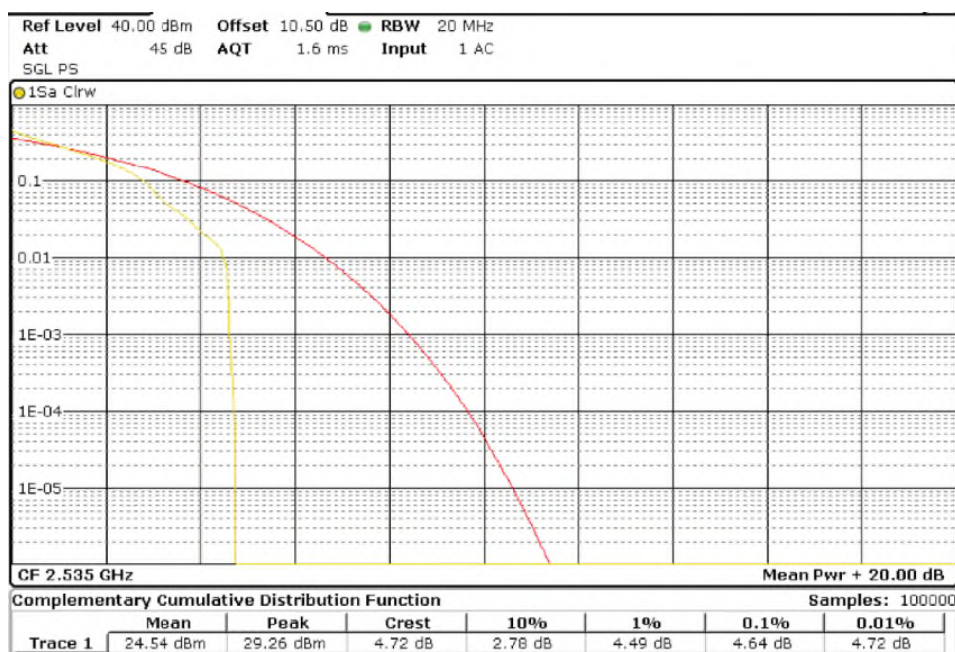


TEST RESULTS (Cont):

Bandwidth = 20 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.
Lowest channel

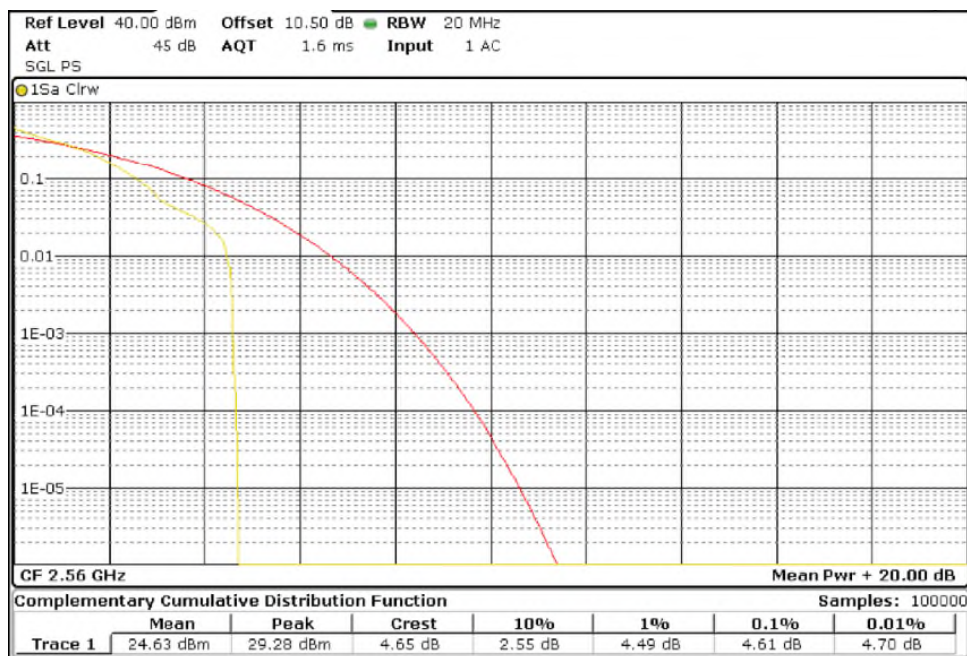


Middle channel

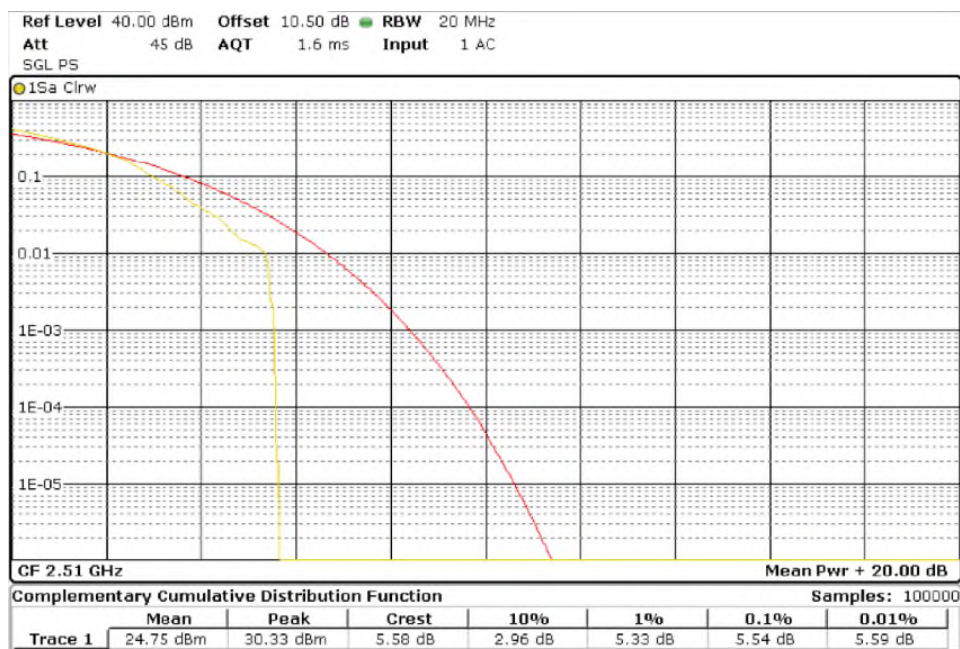


TEST RESULTS (Cont):

Highest channel

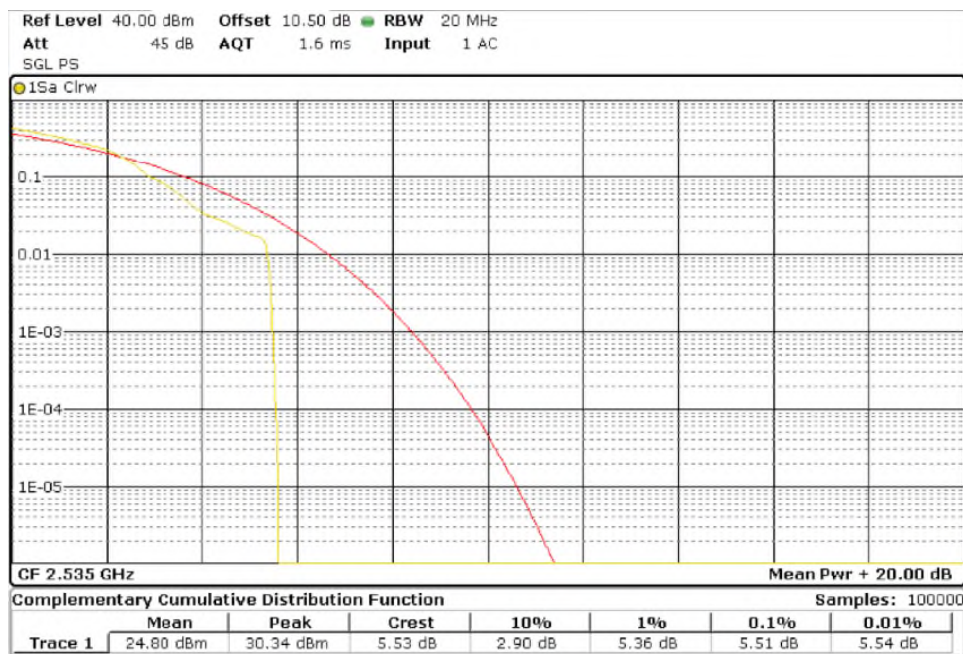


Bandwidth = 20 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.
Lowest channel

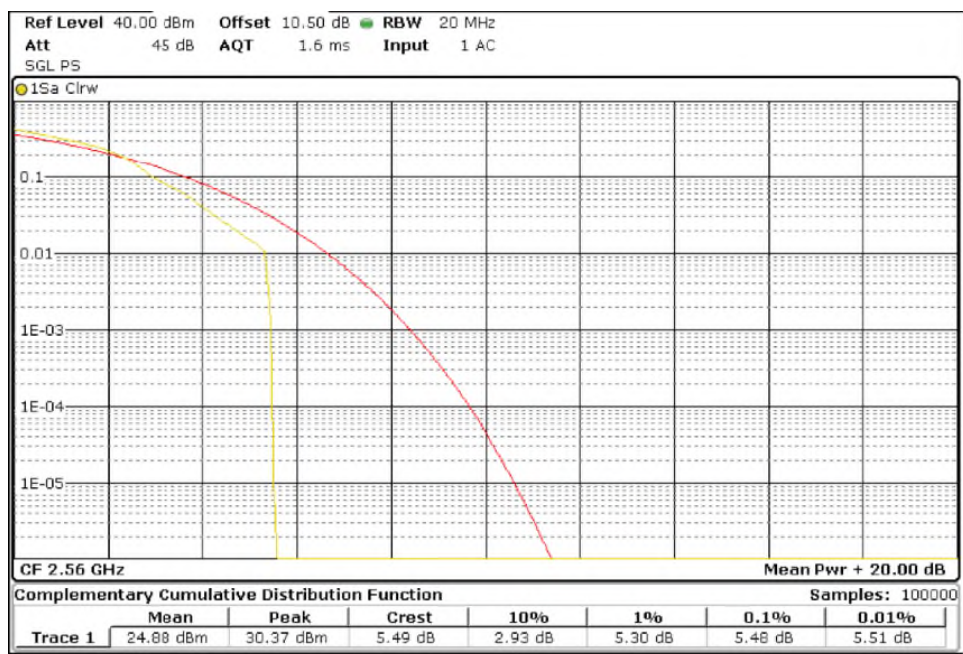


TEST RESULTS (Cont):

Middle channel



Highest channel



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (Band 12)
TEST RESULTS:	PASS

LTE QPSK AND 16QAM MODULATION. Bandwidth = 1.4 MHz

Channel	Average power at antenna port (dBm)	Maximum declared antenna gain (dBi)	Maximum E.I.R.P. average power (dBm)	PAPR (dB)
Lowest	23.12	3.0	26.12	5.68
Middle	23.29	3.0	26.29	5.51
Highest	23.41	3.0	26.41	5.01

LTE QPSK AND 16QAM MODULATION. Bandwidth = 3 MHz

Channel	Average power at antenna port (dBm)	Maximum declared antenna gain (dBi)	Maximum E.I.R.P. average power (dBm)	PAPR (dB)
Lowest	23.23	3.0	26.23	5.36
Middle	23.32	3.0	26.32	5.45
Highest	23.41	3.0	26.14	5.04

LTE QPSK AND 16QAM MODULATION. Bandwidth = 5 MHz

Channel	Average power at antenna port (dBm)	Maximum declared antenna gain (dBi)	Maximum E.I.R.P. average power (dBm)	PAPR (dB)
Lowest	23.27	3.0	26.27	5.36
Middle	23.30	3.0	26.30	5.16
Highest	23.39	3.0	26.39	5.10

LTE QPSK AND 16QAM MODULATION. Bandwidth = 10 MHz

Channel	Average power at antenna port (dBm)	Maximum declared antenna gain (dBi)	Maximum E.I.R.P. average power (dBm)	PAPR (dB)
Lowest	23.24	3.0	26.24	5.30
Middle	23.36	3.0	26.36	5.25
Highest	23.28	3.0	26.28	5.30

TEST RESULTS (Cont):

Bandwidth (MHz)	Channel Location Frequency (MHz) Channel Number	Modulation	Resource Block Size	Resource Block Offset	Average power at antenna port (dBm)	PAPR (dB)
1.4	Lowest (23017 (699.7 MHz))	QPSK	1	0	23.11	4.70
			1	5	23.1	
			3	0	23.12	
			3	2	23.2	
			6	0	22.16	
		16-QAM	1	0	22.05	5.68
			1	5	22.05	
			3	0	22.09	
			3	2	22.09	
			6	0	21.24	
	Middle (23095 (707.5 MHz))	QPSK	1	0	23.23	4.55
			1	5	23.22	
			3	0	23.24	
			3	2	23.29	
			6	0	22.2	
		16-QAM	1	0	22.44	5.51
			1	5	22.47	
			3	0	22.24	
			3	2	22.27	
			6	0	21.26	
	Highest (23173 (715.3 MHz))	QPSK	1	0	23.28	4.09
			1	5	23.3	
			3	0	23.39	
			3	2	23.41	
			6	0	22.3	
		16-QAM	1	0	22.54	5.01
			1	5	22.51	
			3	0	22.29	
			3	2	22.35	
			6	0	21.41	

TEST RESULTS (Cont):						
Bandwidth (MHz)	Channel Location Frequency (MHz) Channel Number	Modulation	Resource Block Size	Resource Block Offset	Average power at antenna port (dBm)	PAPR (dB)
3	Lowest (23025 (700.5 MHz))	QPSK	1	0	23.21	4.55
			1	14	23.23	
			8	0	22.21	
			8	7	22.27	
			15	0	22.2	
		16-QAM	1	0	22.41	5.36
			1	14	22.44	
			8	0	21.42	
			8	7	21.47	
			15	0	21.26	
	Middle (23095 (707.5 MHz))	QPSK	1	0	23.32	4.41
			1	14	23.31	
			8	0	22.33	
			8	7	22.28	
			15	0	22.29	
		16-QAM	1	0	22.56	5.45
			1	14	22.51	
			8	0	21.46	
			8	7	21.46	
			15	0	21.33	
	Highest (23165 (714.5 MHz))	QPSK	1	0	23.41	4.12
			1	14	23.37	
			8	0	22.4	
			8	7	22.41	
			15	0	22.43	
		16-QAM	1	0	22.62	5.04
			1	14	22.58	
			8	0	21.52	
			8	7	21.53	
			15	0	21.46	

TEST RESULTS (Cont):						
Bandwidth (MHz)	Channel Location Frequency (MHz) Channel Number	Modulation	Resource Block Size	Resource Block Offset	Average power at antenna port (dBm)	PAPR (dB)
5	Lowest (23035 (701.5 MHz))	QPSK	1	0	23.27	4.52
			1	24	23.21	
			12	0	22.26	
			12	11	22.29	
			25	0	22.29	
		16-QAM	1	0	22.41	5.36
			1	24	22.4	
			12	0	21.26	
			12	11	21.36	
			25	0	21.3	
	Middle (23095 (707.5 MHz))	QPSK	1	0	23.27	4.32
			1	24	23.3	
			12	0	22.36	
			12	11	22.3	
			25	0	22.27	
		16-QAM	1	0	22.33	5.16
			1	24	22.37	
			12	0	21.45	
			12	11	21.41	
			25	0	21.34	
	Highest (23155 (713.5 MHz))	QPSK	1	0	23.34	4.26
			1	24	23.39	
			12	0	22.47	
			12	11	22.47	
			25	0	22.42	
		16-QAM	1	0	22.73	5.10
			1	24	22.84	
			12	0	21.34	
			12	11	21.31	
			25	0	21.43	

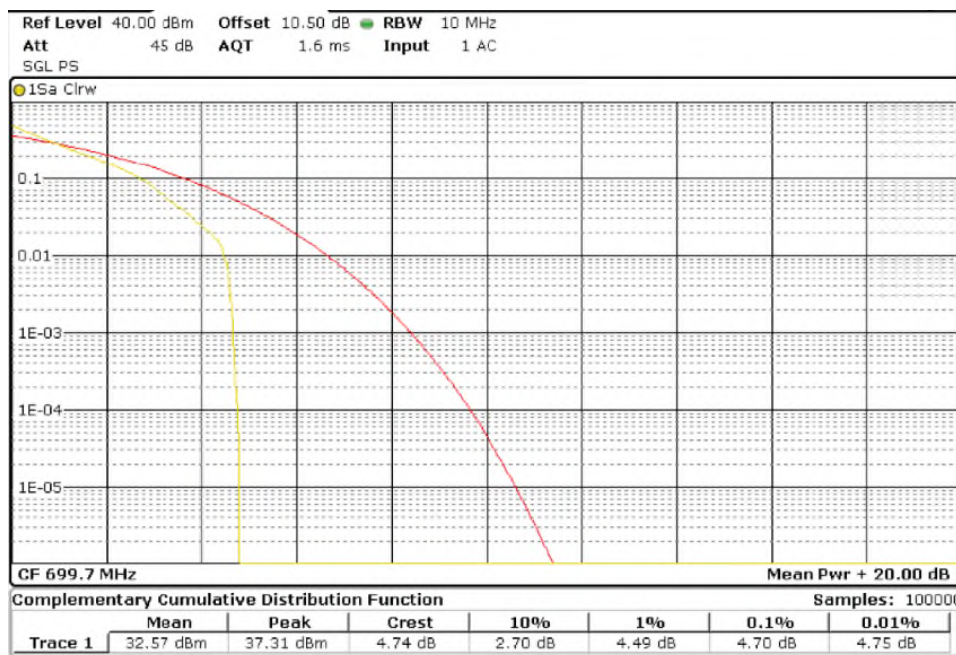
TEST RESULTS (Cont):						
BANDWIDTH (MHz)	CHANNEL FREQUENCY (MHz)	MODULATION	RB SIZE	RB OFFSET	AVERAGE POWER (dBm)	PAPR (dB)
10	Low est (23060 (704 MHz))	QPSK	1	0	23.19	4.43
			1	24	23.21	
			1	49	23.24	
			25	0	22.31	
			25	24	22.35	
			50	0	22.38	
		16-QAM	1	0	22.43	5.30
			1	24	22.46	
			1	49	22.49	
			25	0	21.39	
			25	24	21.4	
			50	0	21.34	
	Middle (23095 (707.5 MHz))	QPSK	1	0	23.28	4.35
			1	24	23.27	
			1	49	23.36	
			25	0	22.34	
			25	24	22.27	
			50	0	22.35	
		16-QAM	1	0	22.54	5.25
			1	24	22.53	
			1	49	22.59	
			25	0	21.4	
			25	24	21.37	
			50	0	21.31	
	Highest (23130 (711 MHz))	QPSK	1	0	23.3	4.32
			1	24	23.23	
			1	49	23.28	
			25	0	22.33	
			25	24	22.42	
			50	0	22.29	
		16-QAM	1	0	22.5	5.30
			1	24	22.45	
			1	49	22.47	
			25	0	21.44	
			25	24	21.45	
			50	0	21.29	

TEST RESULTS (Cont):

PAPR

Bandwidth = 1.4 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel



Middle channel

