

**LAT 16QAM EIRP POWER FOR LTE BAND 25 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/23/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 10MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
1.855	16.7	V	0.98	7.88	23.55	33.0	-9.5	
1.855	19.2	H	0.98	7.88	26.05	33.0	-7.0	
Mid Ch								
1.883	16.2	V	0.98	7.86	23.09	33.0	-9.9	
1.883	18.2	H	0.98	7.86	25.12	33.0	-7.9	
High Ch								
1.910	18.4	V	0.98	7.84	25.22	33.0	-7.8	
1.910	19.0	H	0.98	7.84	25.82	33.0	-7.2	
Rev. 06.18.14								

**LAT QPSK EIRP POWER FOR LTE BAND 25 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/23/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.858	17.8	V	0.98	7.88	24.69	33.0	-8.3	
1.858	20.0	H	0.98	7.88	26.86	33.0	-6.1	
<b>Mid Ch</b>								
1.883	17.3	V	0.98	7.86	24.15	33.0	-8.9	
1.883	19.2	H	0.98	7.86	26.06	33.0	-6.9	
<b>High Ch</b>								
1.908	18.9	V	0.98	7.84	25.77	33.0	-7.2	
1.908	19.8	H	0.98	7.84	26.65	33.0	-6.4	
Rev. 06.18.14								

**LAT 16QAM EIRP POWER FOR LTE BAND 25 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/23/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.858	16.7	V	0.98	7.88	23.58	33.0	-9.4	
1.858	18.9	H	0.98	7.88	25.82	33.0	-7.2	
<b>Mid Ch</b>								
1.883	16.1	V	0.98	7.86	23.02	33.0	-10.0	
1.883	18.1	H	0.98	7.86	24.95	33.0	-8.1	
<b>High Ch</b>								
1.908	17.9	V	0.98	7.84	24.73	33.0	-8.3	
1.908	18.7	H	0.98	7.84	25.60	33.0	-7.4	
Rev. 06.18.14								

**LAT QPSK EIRP POWER FOR LTE BAND 25 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/23/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.860	18.1	V	0.98	7.88	24.96	33.0	-8.0	
1.860	19.9	H	0.98	7.88	26.84	33.0	-6.2	
<b>Mid Ch</b>								
1.883	17.2	V	0.98	7.86	24.09	33.0	-8.9	
1.883	19.3	H	0.98	7.86	26.13	33.0	-6.9	
<b>High Ch</b>								
1.905	19.3	V	0.98	7.84	26.11	33.0	-6.9	
1.905	19.9	H	0.98	7.84	26.72	33.0	-6.3	
Rev. 06.18.14								

**LAT 16QAM EIRP POWER FOR LTE BAND 25 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/23/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.860	17.0	V	0.98	7.88	23.91	33.0	-9.1	
1.860	19.0	H	0.98	7.88	25.86	33.0	-7.1	
<b>Mid Ch</b>								
1.883	16.1	V	0.98	7.86	23.02	33.0	-10.0	
1.883	18.2	H	0.98	7.86	25.08	33.0	-7.9	
<b>High Ch</b>								
1.905	18.3	V	0.98	7.84	25.13	33.0	-7.9	
1.905	18.9	H	0.98	7.84	25.73	33.0	-7.3	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (1.4MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 1.4MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
1.851	14.6	V	0.98	7.88	21.51	33.0	-11.5	
1.851	16.2	H	0.98	7.88	23.05	33.0	-10.0	
Mid Ch								
1.883	15.0	V	0.98	7.86	21.84	33.0	-11.2	
1.883	15.0	H	0.98	7.86	21.85	33.0	-11.2	
High Ch								
1.914	13.9	V	0.98	7.84	20.78	33.0	-12.2	
1.914	15.9	H	0.98	7.84	22.79	33.0	-10.2	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 25 (1.4MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
Project #:		14U17676						
Date:		06/24/14						
Test Engineer:		R.Z						
Configuration:		EUT only						
Mode:		LTE Band 25 16QAM 1.4MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
1.851	13.7	V	0.98	7.88	20.64	33.0	-12.4	
1.851	15.3	H	0.98	7.88	22.18	33.0	-10.8	
Mid Ch								
1.883	14.1	V	0.98	7.86	20.97	33.0	-12.0	
1.883	14.1	H	0.98	7.86	20.98	33.0	-12.0	
High Ch								
1.914	13.1	V	0.98	7.84	19.91	33.0	-13.1	
1.914	15.1	H	0.98	7.84	21.92	33.0	-11.1	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (3.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D							
14U17676 06/24/14 <b>Tester:</b> R.Z <b>Location:</b> EUT only LTE Band 25 QPSK 3MHz BW <b>Comment:</b> : Horn T344, and Chamber D SMA Cables on: Horn T60 Substitution, and 8ft SMA Cable							
SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
15.1	V	0.98	7.88	21.95	33.0	-11.1	
16.1	H	0.98	7.88	22.98	33.0	-10.0	
14.9	V	0.98	7.86	21.76	33.0	-11.2	
15.3	H	0.98	7.86	22.17	33.0	-10.8	
15.5	V	0.98	7.84	22.40	33.0	-10.6	
16.2	H	0.98	7.84	23.07	33.0	-9.9	

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**UAT 16QAM EIRP POWER FOR LTE BAND 25 (3.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 3MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.852	14.0	V	0.98	7.88	20.91	33.0	-12.1	
1.852	15.0	H	0.98	7.88	21.94	33.0	-11.1	
<b>Mid Ch</b>								
1.883	13.8	V	0.98	7.86	20.72	33.0	-12.3	
1.883	14.3	H	0.98	7.86	21.13	33.0	-11.9	
<b>High Ch</b>								
1.914	14.5	V	0.98	7.84	21.36	33.0	-11.6	
1.914	15.2	H	0.98	7.84	22.03	33.0	-11.0	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 5MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
1.853	15.6	V	0.98	7.88	22.52	33.0	-10.5	
1.853	16.3	H	0.98	7.88	23.18	33.0	-9.8	
Mid Ch								
1.883	15.0	V	0.98	7.86	21.87	33.0	-11.1	
1.883	15.1	H	0.98	7.86	21.98	33.0	-11.0	
High Ch								
1.913	15.2	V	0.98	7.84	22.01	33.0	-11.0	
1.913	15.7	H	0.98	7.84	22.58	33.0	-10.4	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 25 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 5MHz BW						
<b><u>Test Equipment:</u></b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.853	14.9	V	0.98	7.88	21.82	33.0	-11.2	
1.853	15.6	H	0.98	7.88	22.48	33.0	-10.5	
<b>Mid Ch</b>								
1.883	14.3	V	0.98	7.86	21.17	33.0	-11.8	
1.883	14.4	H	0.98	7.86	21.28	33.0	-11.7	
<b>High Ch</b>								
1.913	14.5	V	0.98	7.84	21.31	33.0	-11.7	
1.913	15.0	H	0.98	7.84	21.88	33.0	-11.1	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D							
14U17676 06/24/14 neer: R.Z tion: EUT only LTE Band 25 QPSK 10MHz BW							
oment: : Horn T344, and Chamber D SMA Cables on: Horn T60 Substitution, and 8ft SMA Cable							
SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
15.4	V	0.98	7.88	22.25	33.0	-10.8	
16.2	H	0.98	7.88	23.14	33.0	-9.9	
14.8	V	0.98	7.86	21.69	33.0	-11.3	
15.0	H	0.98	7.86	21.88	33.0	-11.1	
15.1	V	0.98	7.84	21.93	33.0	-11.1	
15.4	H	0.98	7.84	22.28	33.0	-10.7	
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**UAT 16QAM EIRP POWER FOR LTE BAND 25 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 10MHz BW						
<b><u>Test Equipment:</u></b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.855	14.2	V	0.98	7.88	21.09	33.0	-11.9	
1.855	15.1	H	0.98	7.88	21.98	33.0	-11.0	
<b>Mid Ch</b>								
1.883	13.7	V	0.98	7.86	20.53	33.0	-12.5	
1.883	13.8	H	0.98	7.86	20.72	33.0	-12.3	
<b>High Ch</b>								
1.910	13.9	V	0.98	7.84	20.77	33.0	-12.2	
1.910	14.3	H	0.98	7.84	21.12	33.0	-11.9	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.858	15.7	V	0.98	7.88	22.56	33.0	-10.4	
1.858	16.2	H	0.98	7.88	23.11	33.0	-9.9	
<b>Mid Ch</b>								
1.883	15.2	V	0.98	7.86	22.10	33.0	-10.9	
1.883	15.6	H	0.98	7.86	22.48	33.0	-10.5	
<b>High Ch</b>								
1.908	15.5	V	0.98	7.84	22.39	33.0	-10.6	
1.908	15.8	H	0.98	7.84	22.65	33.0	-10.4	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 25 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 15MHz BW						
<b><u>Test Equipment:</u></b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.858	14.5	V	0.98	7.88	21.41	33.0	-11.6	
1.858	15.1	H	0.98	7.88	21.96	33.0	-11.0	
<b>Mid Ch</b>								
1.883	14.1	V	0.98	7.86	20.95	33.0	-12.1	
1.883	14.5	H	0.98	7.86	21.33	33.0	-11.7	
<b>High Ch</b>								
1.908	14.4	V	0.98	7.84	21.24	33.0	-11.8	
1.908	14.6	H	0.98	7.84	21.50	33.0	-11.5	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 25 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 QPSK 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
<b>Low Ch</b>								
1.860	15.8	V	0.98	7.88	22.74	33.0	-10.3	
1.860	15.9	H	0.98	7.88	22.84	33.0	-10.2	
<b>Mid Ch</b>								
1.883	15.8	V	0.98	7.86	22.63	33.0	-10.4	
1.883	16.2	H	0.98	7.86	23.04	33.0	-10.0	
<b>High Ch</b>								
1.905	15.9	V	0.98	7.84	22.77	33.0	-10.2	
1.905	15.9	H	0.98	7.84	22.78	33.0	-10.2	
Rev. 06.18.14								



**UAT 16QAM EIRP POWER FOR LTE BAND 25 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/24/14						
<b>Test Engineer:</b>		R.Z						
<b>Configuration:</b>		EUT only						
<b>Mode:</b>		LTE Band 25 16QAM 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
1.860	14.7	V	0.98	7.88	21.59	33.0	-11.4	
1.860	14.8	H	0.98	7.88	21.69	33.0	-11.3	
Mid Ch								
1.883	14.6	V	0.98	7.86	21.48	33.0	-11.5	
1.883	15.0	H	0.98	7.86	21.89	33.0	-11.1	
High Ch								
1.905	14.8	V	0.98	7.84	21.62	33.0	-11.4	
1.905	14.8	H	0.98	7.84	21.63	33.0	-11.4	
Rev. 06.18.14								

## 9.1.7. LTE BAND 26

### LAT QPSK EIRP POWER FOR LTE BAND 26 (3.0MHZ BANDWIDTH)

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
Project #:		14U17676								
Date:		06/24/14								
Test Engineer:		M. Hua								
Configuration:		EUT Only								
Mode:		LTE Band 26 QPSK 3MHz BW								
<u>Test Equipment:</u>										
Receiving: Sunol T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
820.30	11.50	V	0.62	0.0	10.88	13.03	38.45	40.60	-27.6	
820.30	19.14	H	0.62	0.0	18.52	20.67	38.45	40.60	-19.9	
Mid Ch										
821.30	11.88	V	0.62	0.0	11.26	13.41	38.45	40.60	-27.2	
821.30	19.47	H	0.62	0.0	18.85	21.00	38.45	40.60	-19.6	
High Ch										
822.30	11.95	V	0.62	0.0	11.33	13.48	38.45	40.60	-27.1	
822.30	19.28	H	0.62	0.0	18.66	20.81	38.45	40.60	-19.8	
Rev. 06.18.14										

**LAT 16QAM EIRP POWER FOR LTE BAND 26 (3.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
<b>Project #:</b>		14U17676								
<b>Date:</b>		06/24/14								
<b>Test Engineer:</b>		M. Hua								
<b>Configuration:</b>		EUT Only								
<b>Mode:</b>		LTE Band 26 16QAM 3MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
820.30	10.54	V	0.62	0.0	9.92	12.07	38.45	40.60	-28.5	
820.30	18.25	H	0.62	0.0	17.63	19.78	38.45	40.60	-20.8	
Mid Ch										
821.30	10.87	V	0.62	0.0	10.25	12.40	38.45	40.60	-28.2	
821.30	18.55	H	0.62	0.0	17.93	20.08	38.45	40.60	-20.5	
High Ch										
822.30	10.96	V	0.62	0.0	10.34	12.49	38.45	40.60	-28.1	
822.30	18.52	H	0.62	0.0	17.90	20.05	38.45	40.60	-20.6	
Rev. 06.18.14										

**LAT QPSK EIRP POWER FOR LTE BAND 26 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
Project #:		14U17676								
Date:		06/24/14								
Test Engineer:		M. Hua								
Configuration:		EUT Only								
Mode:		LTE Band 26 QPSK 5MHz BW								
<u>Test Equipment:</u>										
Receiving: Sunoi T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Mid Ch										
821.30	12.06	V	0.62	0.0	11.44	13.59	38.45	40.60	-27.0	
821.30	19.62	H	0.62	0.0	19.00	21.15	38.45	40.60	-19.5	
Rev. 06.18.14										

**LAT 16QAM EIRP POWER FOR LTE BAND 26 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
Project #:		14U17676								
Date:		06/24/14								
Test Engineer:		M. Hua								
Configuration:		EUT Only								
Mode:		LTE Band 26 16QAM 5MHz BW								
<u>Test Equipment:</u>										
Receiving: Sunoi T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Mid Ch										
821.30	11.16	V	0.62	0.0	10.54	12.69	38.45	40.60	-27.9	
821.30	18.72	H	0.62	0.0	18.10	20.25	38.45	40.60	-20.4	
Rev. 06.18.14										

**LAT QPSK EIRP POWER FOR LTE BAND 26 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber E										
<b>Project #:</b>		14U17676								
<b>Date:</b>		6/20/2014								
<b>Test Engineer:</b>		Macie								
<b>Configuration:</b>		EUT Only								
<b>Mode:</b>		LTE Band 26 QPSK 10MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T408, and Chamber E Cable										
Substitution: Dipole S/N: 00022117, 4ft SMA Cable (s/n 245182-003; SUCOFLEX 104PEA)										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin EIRP (dB)	Notes
Mid Ch										
819.00	12.63	V	0.62	0.0	12.01	14.16	38.45	40.60	-26.4	
819.00	19.17	H	0.62	0.0	18.55	20.70	38.45	40.60	-19.9	
Rev. 10.24.13										

**LAT 16QAM EIRP POWER FOR LTE BAND 26 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber E										
Project #:		14U17676								
Date:		6/20/2014								
Test Engineer:		Macie								
Configuration:		EUT Only								
Mode:		LTE Band 26 16QAM 10MHz BW								
<u>Test Equipment:</u>										
Receiving: Sunoi T408, and Chamber E Cable										
Substitution: Dipole S/N: 00022117, 4ft SMA Cable (s/n 245182-003; SUCOFLEX 104PEA)										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
819.00	11.80	V	0.62	0.0	11.18	13.33	38.45	40.60	-27.3	
819.00	18.59	H	0.62	0.0	17.97	20.12	38.45	40.60	-20.5	
Rev. 10.24.13										

**UAT QPSK EIRP POWER FOR LTE BAND 26 (3.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
Project #:		14U17676								
Date:		06/24/14								
Test Engineer:		M. Hua								
Configuration:		EUT Only								
Mode:		LTE Band 26 QPSK 3MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunoi T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
820.30	14.12	V	0.62	0.0	13.50	15.65	38.45	40.60	-25.0	
820.30	17.17	H	0.62	0.0	16.55	18.70	38.45	40.60	-21.9	
Mid Ch										
821.30	14.49	V	0.62	0.0	13.87	16.02	38.45	40.60	-24.6	
821.30	17.23	H	0.62	0.0	16.61	18.76	38.45	40.60	-21.8	
High Ch										
822.30	14.67	V	0.62	0.0	14.05	16.20	38.45	40.60	-24.4	
822.30	17.34	H	0.62	0.0	16.72	18.87	38.45	40.60	-21.7	
Rev. 06.18.14										



**UAT 16QAM EIRP POWER FOR LTE BAND 26 (3.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
<b>Project #:</b>		14U17676								
<b>Date:</b>		06/24/14								
<b>Test Engineer:</b>		M. Hua								
<b>Configuration:</b>		EUT Only								
<b>Mode:</b>		LTE Band 26 16QAM 3MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
820.30	12.92	V	0.62	0.0	12.30	14.45	38.45	40.60	-26.2	
820.30	15.92	H	0.62	0.0	15.30	17.45	38.45	40.60	-23.2	
Mid Ch										
821.30	13.24	V	0.62	0.0	12.62	14.77	38.45	40.60	-25.8	
821.30	16.08	H	0.62	0.0	15.46	17.61	38.45	40.60	-23.0	
High Ch										
822.30	13.37	V	0.62	0.0	12.75	14.90	38.45	40.60	-25.7	
822.30	16.12	H	0.62	0.0	15.50	17.65	38.45	40.60	-23.0	
Rev. 06.18.14										

**UAT QPSK EIRP POWER FOR LTE BAND 26 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
Project #:		14U17676								
Date:		06/24/14								
Test Engineer:		M. Hua								
Configuration:		EUT Only								
Mode:		LTE Band 26 QPSK 5MHz BW								
<u>Test Equipment:</u>										
Receiving: Sunol T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Mid Ch										
821.30	14.45	V	0.62	0.0	13.83	15.98	38.45	40.60	-24.6	
821.30	17.31	H	0.62	0.0	16.69	18.84	38.45	40.60	-21.8	
Rev. 06.18.14										

**UAT 16QAM EIRP POWER FOR LTE BAND 26 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D										
<b>Project #:</b>		14U17676								
<b>Date:</b>		06/24/14								
<b>Test Engineer:</b>		M. Hua								
<b>Configuration:</b>		EUT Only								
<b>Mode:</b>		LTE Band 26 16QAM 5MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T407, and Chamber D Cable										
Substitution: Dipole S/N: 00022117, and 8ft SMA Cable										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Mid Ch										
821.30	13.71	V	0.62	0.0	13.09	15.24	38.45	40.60	-25.4	
821.30	16.48	H	0.62	0.0	15.86	18.01	38.45	40.60	-22.6	
Rev. 06.18.14										

**UAT QPSK EIRP POWER FOR LTE BAND 26 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber E										
<b>Project #:</b>		14U17676								
<b>Date:</b>		6/20/2014								
<b>Test Engineer:</b>		Macie								
<b>Configuration:</b>		EUT Only								
<b>Mode:</b>		LTE Band 26 QPSK 10MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T408, and Chamber E Cable										
Substitution: Dipole S/N: 00022117, 4ft SMA Cable (s/n 245182-003; SUCOFLEX 104PEA)										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin EIRP (dB)	Notes
Mid Ch										
819.00	15.25	V	0.62	0.0	14.63	16.78	38.45	40.60	-23.8	
819.00	17.59	H	0.62	0.0	16.97	19.12	38.45	40.60	-21.5	
Rev. 10.24.13										

**UAT 16QAM EIRP POWER FOR LTE BAND 26 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber E										
Project #:		14U17676								
Date:		6/20/2014								
Test Engineer:		Macie								
Configuration:		EUT Only								
Mode:		LTE Band 26 16QAM 10MHz BW								
<b>Test Equipment:</b>										
Receiving: Sunol T408, and Chamber E Cable										
Substitution: Dipole S/N: 00022117, 4ft SMA Cable (s/n 245182-003; SUCOFLEX 104PEA)										
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	ERP Limit (dBm)	EIRP Limit (dBm)	Margin (dB)	Notes
Low Ch										
819.00	15.33	V	0.62	0.0	14.71	16.86	38.45	40.60	-23.7	
819.00	16.54	H	0.62	0.0	15.92	18.07	38.45	40.60	-22.5	
Rev: 10.24.13										

## 9.1.8. LTE BAND 41

### LAT QPSK EIRP POWER FOR LTE BAND 41 (5.0MHZ BANDWIDTH)

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
Project #:		14U17676						
Date:		06/25/14						
Test Engineer:		M. Hua						
Configuration:		EUT Only						
Mode:		LTE Band 41 QPSK 5MHz BW						
<u>Test Equipment:</u>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.499	18.0	V	1.15	9.47	26.32	33.0	-6.7	
2.499	23.3	H	1.15	9.47	31.65	33.0	-1.3	
Mid Ch								
2.593	17.0	V	1.16	9.51	25.31	33.0	-7.7	
2.593	22.3	H	1.16	9.51	30.65	33.0	-2.4	
High Ch								
2.688	16.3	V	1.17	9.54	24.63	33.0	-8.4	
2.688	20.1	H	1.17	9.54	28.47	33.0	-4.5	
Rev. 06.18.14								

**LAT 16QAM EIRP POWER FOR LTE BAND 41 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 5MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.499	17.7	V	1.15	9.47	26.04	33.0	-7.0	
2.499	23.0	H	1.15	9.47	31.28	33.0	-1.7	
Mid Ch								
2.593	17.0	V	1.16	9.51	25.35	33.0	-7.7	
2.593	22.0	H	1.16	9.51	30.35	33.0	-2.7	
High Ch								
2.688	16.1	V	1.17	9.54	24.48	33.0	-8.5	
2.688	20.0	H	1.17	9.54	28.34	33.0	-4.7	
Rev. 06.18.14								

**LAT QPSK EIRP POWER FOR LTE BAND 41 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 10MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.501	18.6	V	1.15	9.47	26.92	33.0	-6.1	
2.501	23.7	H	1.15	9.47	31.97	33.0	-1.0	
Mid Ch								
2.593	17.4	V	1.16	9.51	25.76	33.0	-7.2	
2.593	22.7	H	1.16	9.51	31.06	33.0	-1.9	
High Ch								
2.685	16.9	V	1.17	9.54	25.29	33.0	-7.7	
2.685	20.1	H	1.17	9.54	28.45	33.0	-4.6	
Rev. 06.18.14								



**LAT 16QAM EIRP POWER FOR LTE BAND 41 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 10MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.501	18.2	V	1.15	9.47	26.52	33.0	-6.5	
2.501	23.2	H	1.15	9.47	31.48	33.0	-1.5	
Mid Ch								
2.593	16.9	V	1.16	9.51	25.26	33.0	-7.7	
2.593	22.3	H	1.16	9.51	30.64	33.0	-2.4	
High Ch								
2.685	16.4	V	1.17	9.54	24.81	33.0	-8.2	
2.685	19.6	H	1.17	9.54	28.00	33.0	-5.0	
Rev. 06.18.14								

**LAT QPSK EIRP POWER FOR LTE BAND 41 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.504	18.4	V	1.15	9.47	26.73	33.0	-6.3	
2.504	23.7	H	1.15	9.47	32.00	33.0	-1.0	
Mid Ch								
2.593	17.2	V	1.16	9.51	25.58	33.0	-7.4	
2.593	22.4	H	1.16	9.51	30.71	33.0	-2.3	
High Ch								
2.683	17.1	V	1.17	9.54	25.44	33.0	-7.6	
2.683	19.9	H	1.17	9.54	28.30	33.0	-4.7	
Rev. 06.18.14								

**LAT 16QAM EIRP POWER FOR LTE BAND 41 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.504	17.8	V	1.15	9.47	26.09	33.0	-6.9	
2.504	23.2	H	1.15	9.47	31.55	33.0	-1.5	
Mid Ch								
2.593	16.7	V	1.16	9.51	25.09	33.0	-7.9	
2.593	21.9	H	1.16	9.51	30.29	33.0	-2.7	
High Ch								
2.683	16.6	V	1.17	9.54	24.98	33.0	-8.0	
2.683	19.5	H	1.17	9.54	27.85	33.0	-5.2	
Rev. 06.18.14								

**LAT QPSK EIRP POWER FOR LTE BAND 41 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
Project #:		14U17676						
Date:		06/25/14						
Test Engineer:		M. Hua						
Configuration:		EUT Only						
Mode:		LTE Band 41 QPSK 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.506	17.4	V	1.15	9.47	25.70	33.0	-7.3	
2.506	23.5	H	1.15	9.47	31.86	33.0	-1.1	
Mid Ch								
2.593	16.7	V	1.16	9.51	25.00	33.0	-8.0	
2.593	22.0	H	1.16	9.51	30.39	33.0	-2.6	
High Ch								
2.680	16.4	V	1.17	9.54	24.74	33.0	-8.3	
2.680	19.8	H	1.17	9.54	28.18	33.0	-4.8	
Rev. 06.18.14								

**LAT 16QAM EIRP POWER FOR LTE BAND 41 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.506	16.1	V	1.15	9.47	24.38	33.0	-8.6	
2.506	22.2	H	1.15	9.47	30.55	33.0	-2.5	
Mid Ch								
2.593	15.6	V	1.16	9.51	23.95	33.0	-9.1	
2.593	20.9	H	1.16	9.51	29.21	33.0	-3.8	
High Ch								
2.680	15.4	V	1.17	9.54	23.73	33.0	-9.3	
2.680	18.5	H	1.17	9.54	26.88	33.0	-6.1	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 41 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 5MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.499	6.7	V	1.15	9.47	14.98	33.0	-18.0	
2.499	19.8	H	1.15	9.47	28.10	33.0	-4.9	
Mid Ch								
2.593	10.0	V	1.16	9.51	18.30	33.0	-14.7	
2.593	19.4	H	1.16	9.51	27.77	33.0	-5.2	
High Ch								
2.688	9.8	V	1.17	9.54	18.12	33.0	-14.9	
2.688	20.7	H	1.17	9.54	29.04	33.0	-4.0	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 41 (5.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 5MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.499	6.5	V	1.15	9.47	14.77	33.0	-18.2	
2.499	19.7	H	1.15	9.47	27.97	33.0	-5.0	
Mid Ch								
2.593	9.8	V	1.16	9.51	18.10	33.0	-14.9	
2.593	19.0	H	1.16	9.51	27.35	33.0	-5.7	
High Ch								
2.688	9.5	V	1.17	9.54	17.86	33.0	-15.1	
2.688	20.5	H	1.17	9.54	28.82	33.0	-4.2	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 41 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 10MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.501	7.8	V	1.15	9.47	16.16	33.0	-16.8	
2.501	20.6	H	1.15	9.47	28.91	33.0	-4.1	
Mid Ch								
2.593	10.7	V	1.16	9.51	19.09	33.0	-13.9	
2.593	19.9	H	1.16	9.51	28.25	33.0	-4.8	
High Ch								
2.685	10.2	V	1.17	9.54	18.55	33.0	-14.5	
2.685	21.2	H	1.17	9.54	29.58	33.0	-3.4	
Rev. 06.18.14								



**UAT 16QAM EIRP POWER FOR LTE BAND 41 (10.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 10MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.501	7.4	V	1.15	9.47	15.67	33.0	-17.3	
2.501	20.3	H	1.15	9.47	28.59	33.0	-4.4	
Mid Ch								
2.593	10.2	V	1.16	9.51	18.50	33.0	-14.5	
2.593	19.4	H	1.16	9.51	27.78	33.0	-5.2	
High Ch								
2.685	10.2	V	1.17	9.54	18.60	33.0	-14.4	
2.685	20.6	H	1.17	9.54	29.01	33.0	-4.0	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 41 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.504	7.2	V	1.15	9.47	15.51	33.0	-17.5	
2.504	20.7	H	1.15	9.47	28.97	33.0	-4.0	
Mid Ch								
2.593	8.8	V	1.16	9.51	17.18	33.0	-15.8	
2.593	20.0	H	1.16	9.51	28.36	33.0	-4.6	
High Ch								
2.683	10.0	V	1.17	9.54	18.35	33.0	-14.7	
2.683	21.2	H	1.17	9.54	29.57	33.0	-3.4	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 41 (15.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 15MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.504	7.0	V	1.15	9.47	15.30	33.0	-17.7	
2.504	20.6	H	1.15	9.47	28.91	33.0	-4.1	
Mid Ch								
2.593	8.9	V	1.16	9.51	17.21	33.0	-15.8	
2.593	19.9	H	1.16	9.51	28.29	33.0	-4.7	
High Ch								
2.683	10.0	V	1.17	9.54	18.34	33.0	-14.7	
2.683	20.9	H	1.17	9.54	29.28	33.0	-3.7	
Rev. 06.18.14								

**UAT QPSK EIRP POWER FOR LTE BAND 41 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 QPSK 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.506	7.5	V	1.15	9.47	15.83	33.0	-17.2	
2.506	21.2	H	1.15	9.47	29.48	33.0	-3.5	
Mid Ch								
2.593	9.3	V	1.16	9.51	17.68	33.0	-15.3	
2.593	20.5	H	1.16	9.51	28.89	33.0	-4.1	
High Ch								
2.680	10.9	V	1.17	9.54	19.26	33.0	-13.7	
2.680	21.5	H	1.17	9.54	29.84	33.0	-3.2	
Rev. 06.18.14								

**UAT 16QAM EIRP POWER FOR LTE BAND 41 (20.0MHZ BANDWIDTH)**

High Frequency Substitution Measurement UL Fremont Radiated Chamber D								
<b>Project #:</b>		14U17676						
<b>Date:</b>		06/25/14						
<b>Test Engineer:</b>		M. Hua						
<b>Configuration:</b>		EUT Only						
<b>Mode:</b>		LTE Band 41 16QAM 20MHz BW						
<b>Test Equipment:</b>								
Receiving: Horn T344, and Chamber D SMA Cables								
Substitution: Horn T60 Substitution, and 8ft SMA Cable								
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin EIRP (dB)	Notes
Low Ch								
2.506	7.2	V	1.15	9.47	15.49	33.0	-17.5	
2.506	20.9	H	1.15	9.47	29.22	33.0	-3.8	
Mid Ch								
2.593	9.1	V	1.16	9.51	17.47	33.0	-15.5	
2.593	20.2	H	1.16	9.51	28.50	33.0	-4.5	
High Ch								
2.680	10.9	V	1.17	9.54	19.25	33.0	-13.8	
2.680	21.2	H	1.17	9.54	29.56	33.0	-3.4	
Rev. 06.18.14								

## 9.2. PEAK-TO-AVERAGE RATIO

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB

Note: 0.0001% data on all mode were used for PAR as the worst case condition

### 9.2.1. LTE BAND 2

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	1.4	1733	29.12	24.01	5.11
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	3.0	1733	29.25	24.09	5.16
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	1733	29.04	23.98	5.06
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10	1733	29.04	24.06	4.98
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10	1733	28.88	23.04	5.84
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	15	1733	28.96	23.99	4.97
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	15	1733	28.88	23.06	5.82
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	20	1733	28.98	23.8	5.18
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	20	1733	28.76	22.82	5.94
*Peak Reading = Average Reading + Peak-to-Average Ratio					

### 9.2.2. LTE BAND 4

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	1.4	1733	28.98	23.87	5.11
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	1.4	1733	29.1	22.99	6.11
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	3.0	1733	29.11	24	5.11
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	3.0	1733	28.82	23	5.82
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	1733	28.86	23.85	5.01
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	5.0	1733	28.68	22.81	5.87
*Peak Reading = Average Reading + Peak-to-Average Ratio					



Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10	1733	28.86	23.99	4.87
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10	1733	28.66	22.98	5.68
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	15	1733	28.83	23.94	4.89
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	15	1733	28.6	23	5.6
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10	1733	28.6	23.78	4.82
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10	1733	28.28	22.78	5.5
*Peak Reading = Average Reading + Peak-to-Average Ratio					

### 9.2.3. LTE BAND 5

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	1.4	836.5	29.28	24.08	5.2
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
16QAM	1.4	836.5	35.67	29.44	6.23
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	3.0	836.5	29.23	24	5.23
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
16QAM	3.0	836.5	28.96	23.04	5.92
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	836.5	28.97	23.89	5.08
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
16QAM	5.0	836.5	28.85	22.89	5.96
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10.0	836.5	28.72	23.96	4.76
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10.0	836.5	28.58	23.05	5.53
*Peak Reading = Average Reading + Peak-to-Average Ratio					

#### 9.2.4. LTE BAND 13

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	782	27.78	23.96	3.82
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	5.0	782	27.82	23.02	4.8
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10.0	782	27.88	24	3.88
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10.0	782	27.96	23.23	4.73
*Peak Reading = Average Reading + Peak-to-Average Ratio					

### 9.2.5. LTE BAND 17

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	710.0	61.96	23.86	38.1
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	5.0	710.0	27.74	22.83	4.91
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10.0	710.0	27.76	23.89	3.87
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10.0	710.0	27.81	22.91	4.9
*Peak Reading = Average Reading + Peak-to-Average Ratio					

### 9.2.6. LTE BAND 25

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	1.4	1733	29.06	23.92	5.14
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	1.4	1733	29.18	23	6.18
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	3.0	1733	29.13	23.98	5.15
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	3.0	1733	28.92	22.99	5.93
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	1733	28.98	23.89	5.09
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	5.0	1733	28.74	22.79	5.95
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10	1733	29	23.96	5.04
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10	1733	28.76	22.94	5.82
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	15	1733	28.84	23.89	4.95
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	15	1733	28.66	22.9	5.76
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	20	1733	28.81	23.74	5.07
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	20	1733	28.58	22.7	5.88
*Peak Reading = Average Reading + Peak-to-Average Ratio					

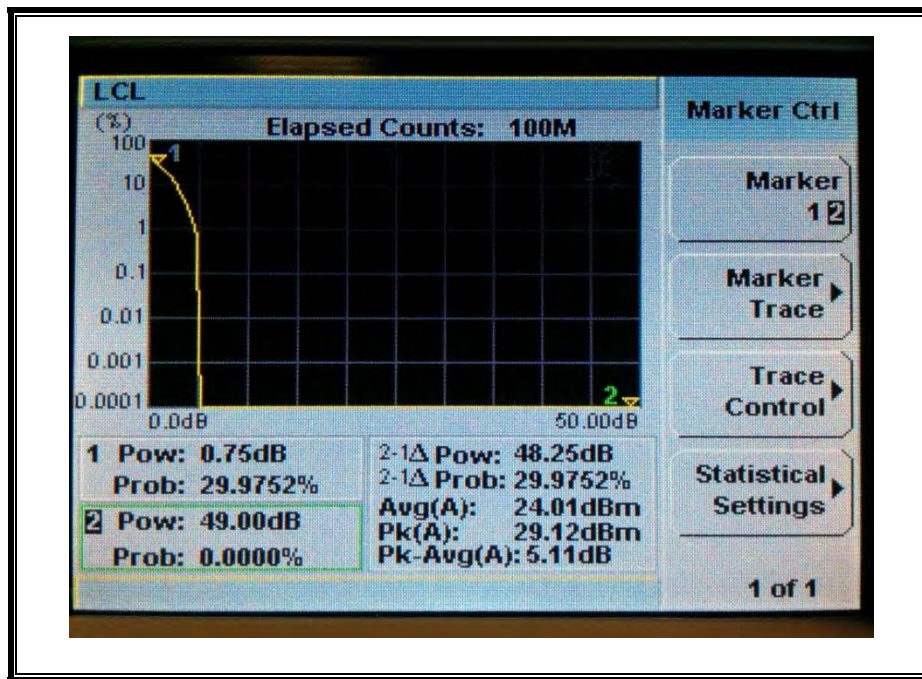
### 9.2.7. LTE BAND 26

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	3.0	821.3	27.58	22.43	5.15
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	3.0	821.3	26.88	21.43	5.45
*Peak Reading = Average Reading + Peak-to-Average Ratio					

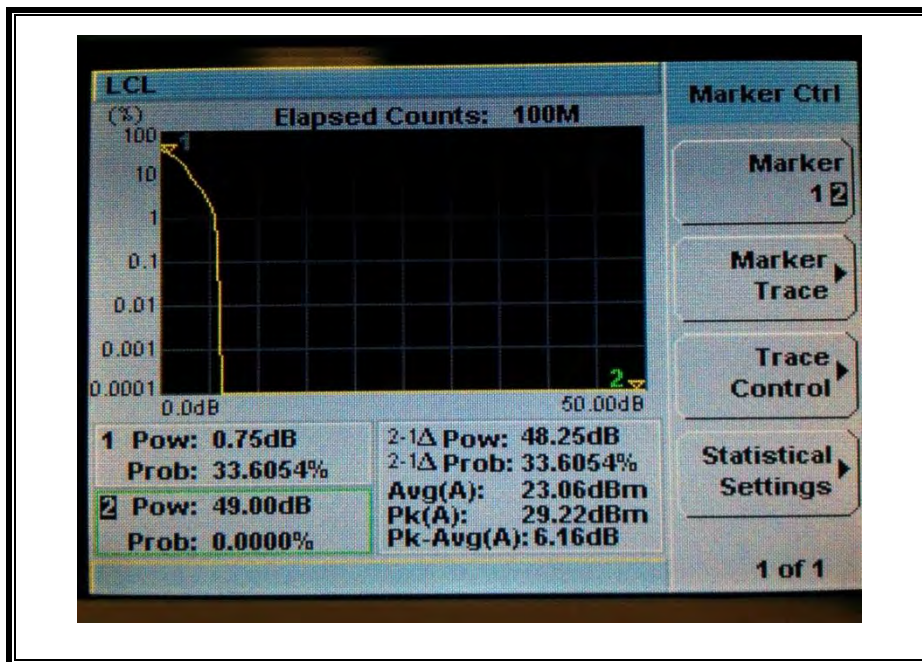
Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	5.0	821.3	27.27	22.34	4.93
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	5.0	821.3	26.85	21.27	5.58
*Peak Reading = Average Reading + Peak-to-Average Ratio					

Mode	Channel Band-width (MHZ)	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio (PAR)
			*Peak	Average	
QPSK	10.0	819.0	27.84	23.23	4.61
Mode	Channel Band-width	f (MHz)	Couducted Power (dBm)		Peak-to-Average Ratio
			*Peak	Average	
16QAM	10.0	819.0	27.76	22.4	5.36
*Peak Reading = Average Reading + Peak-to-Average Ratio					

QPSK Band 2 (1.4 MHz BAND WIDTH)

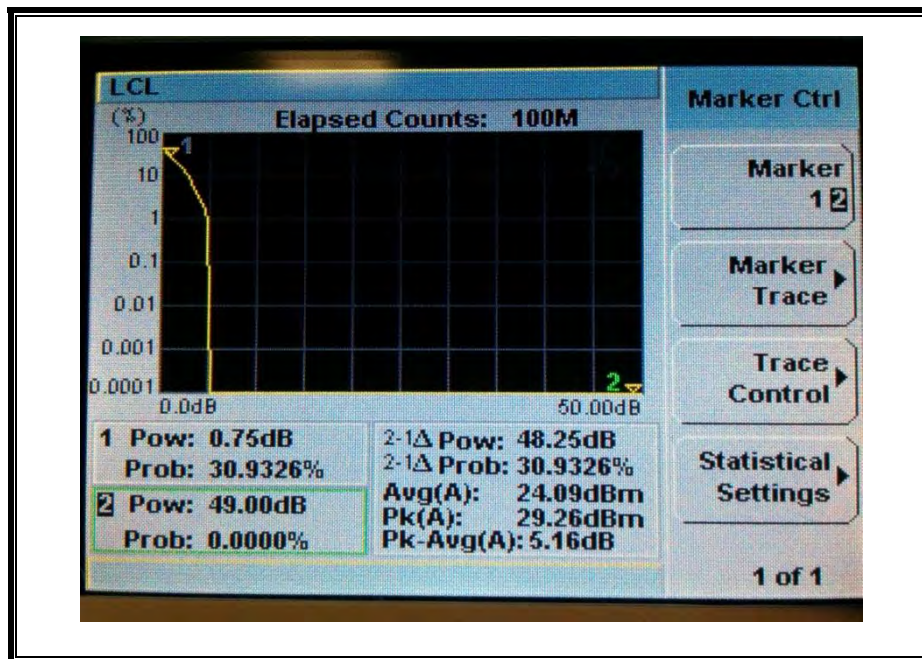


16QAM Band 2 (1.4 MHz BAND WIDTH)

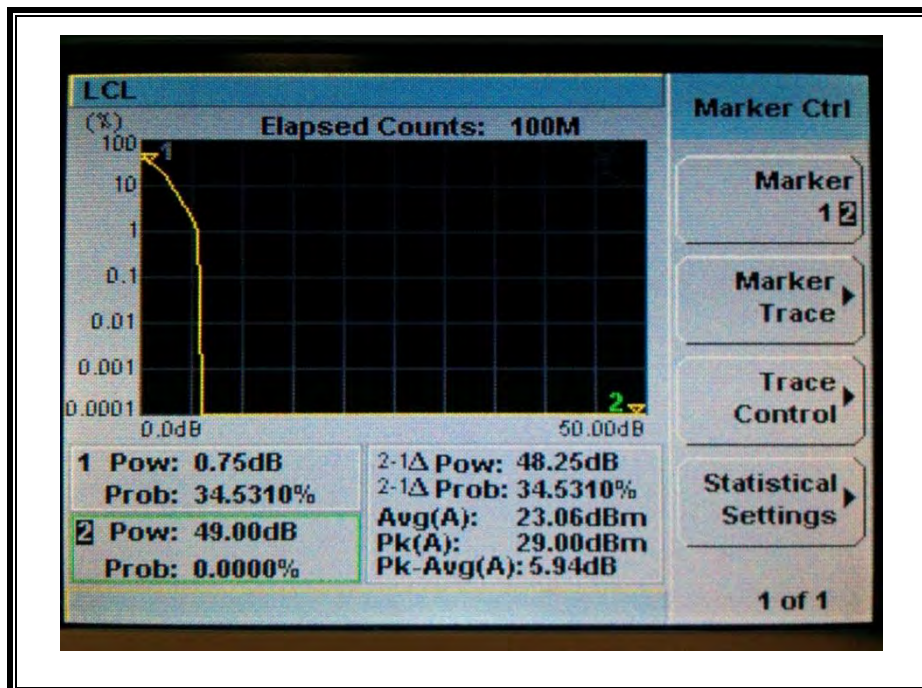




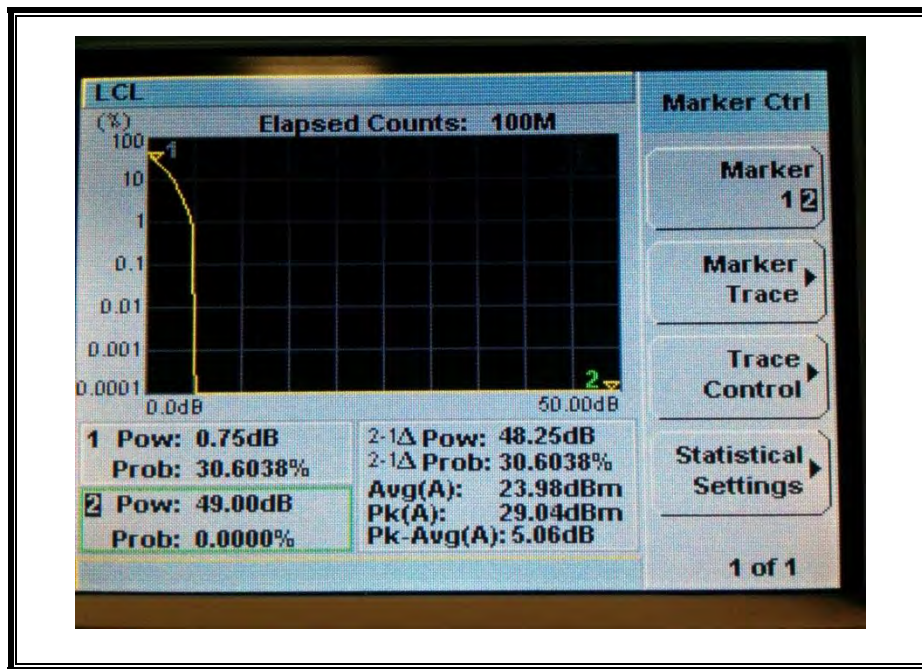
QPSK Band 2 (3 MHz BAND WIDTH)



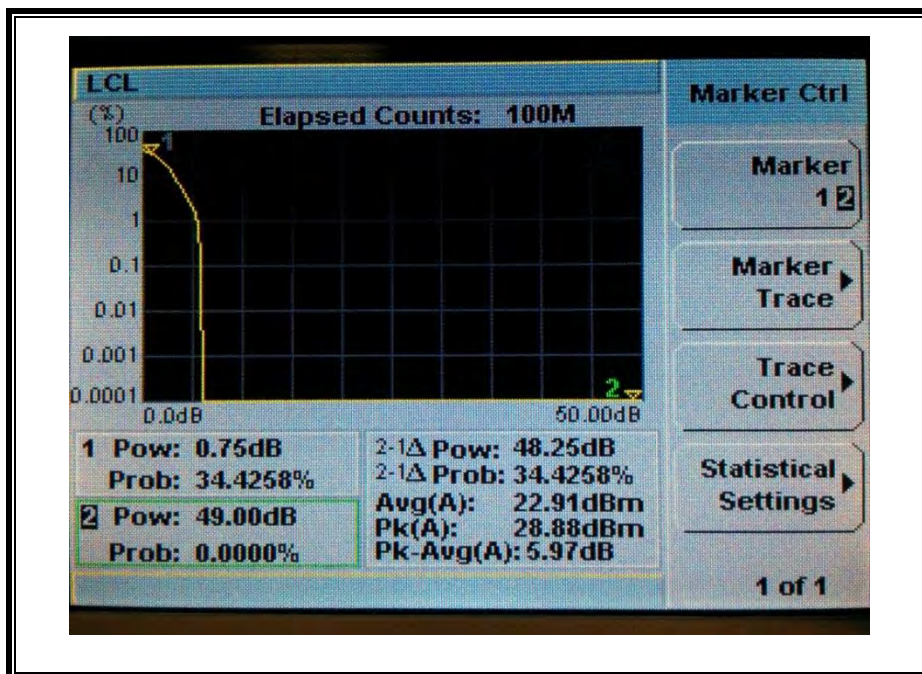
16QAM Band 2 (3 MHz BAND WIDTH)



QPSK Band 2 (5 MHz BAND WIDTH)

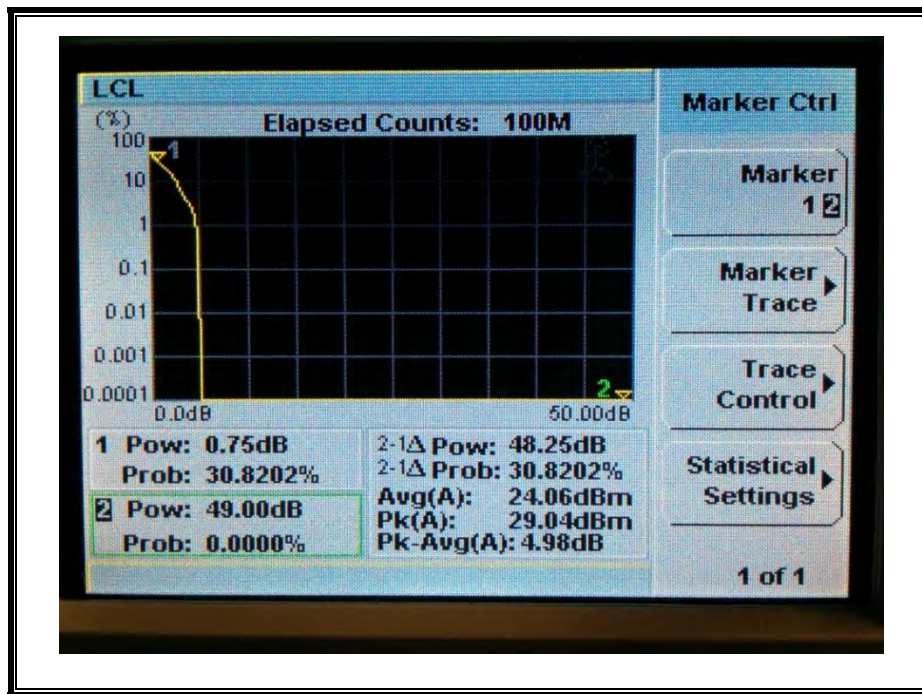


16QAM Band 2 (5 MHz BAND WIDTH)

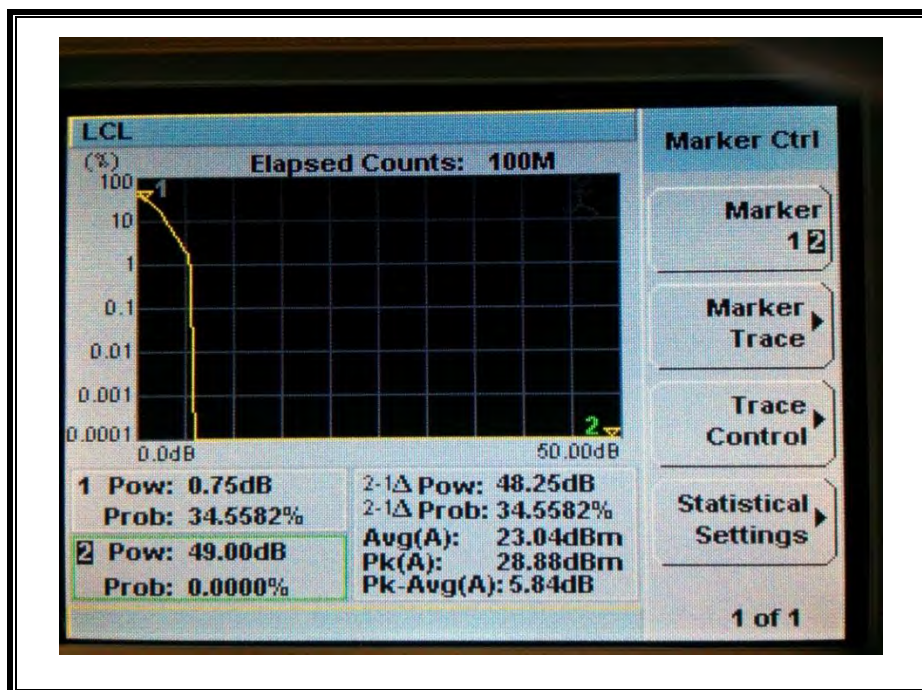




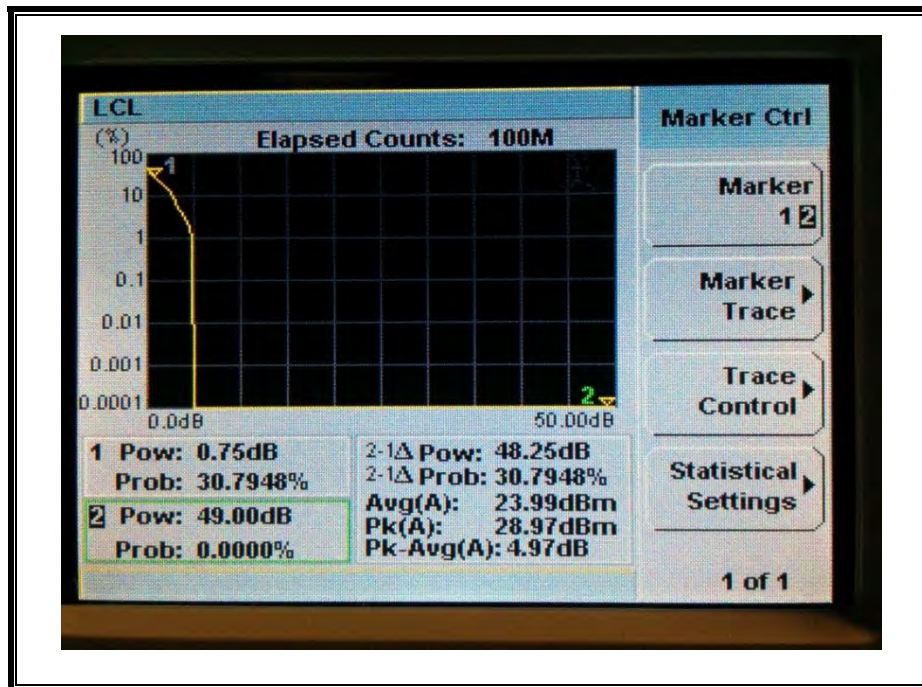
QPSK Band 2 (10 MHz BAND WIDTH)



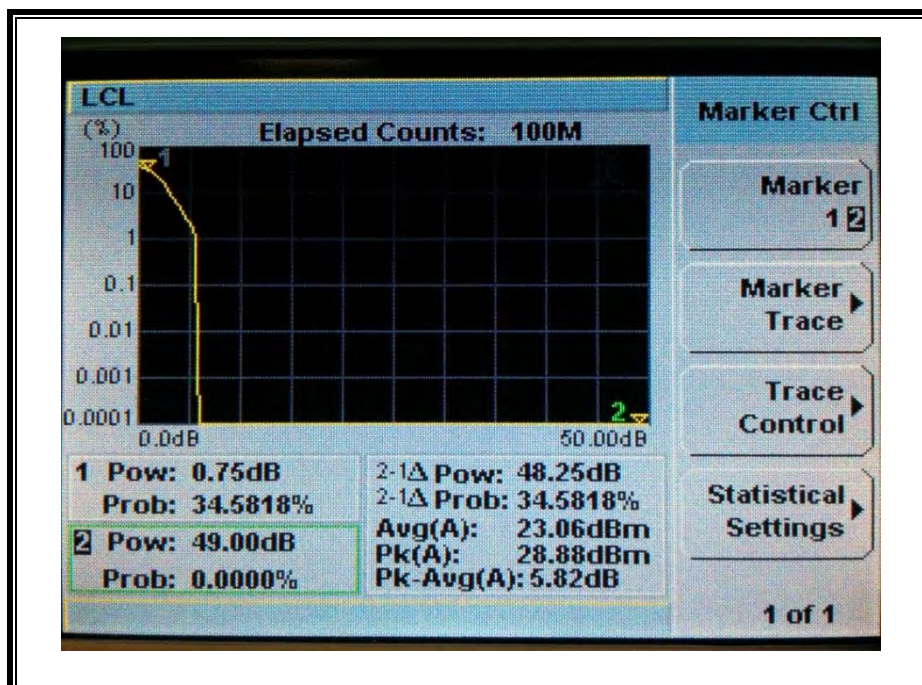
16QAM Band 2 (10 MHz BAND WIDTH)



QPSK Band 2 (15 MHz BAND WIDTH)

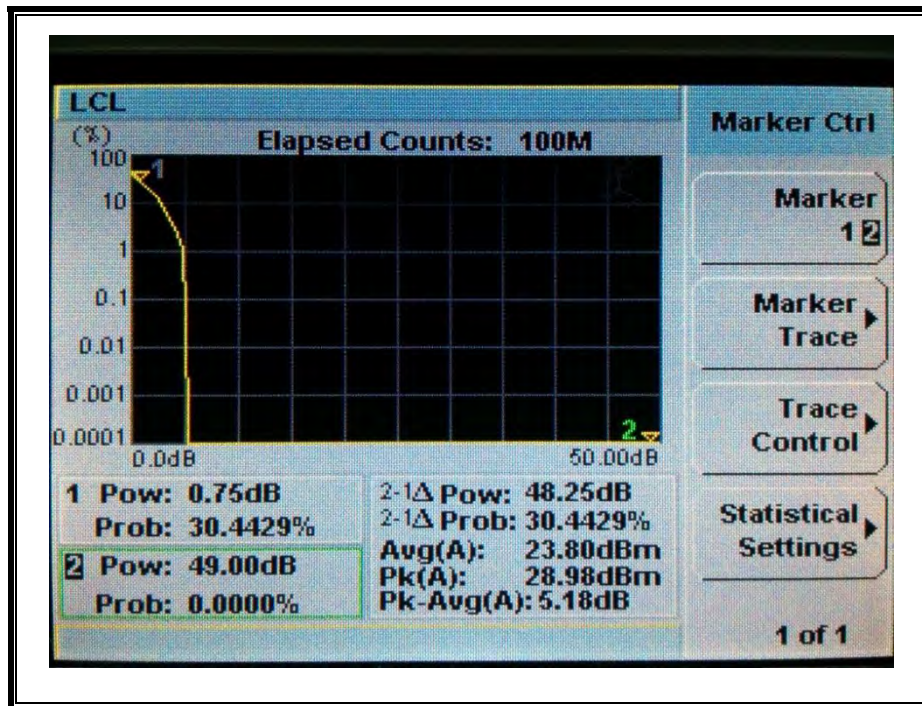


16QAM Band 2 (15 MHz BAND WIDTH)

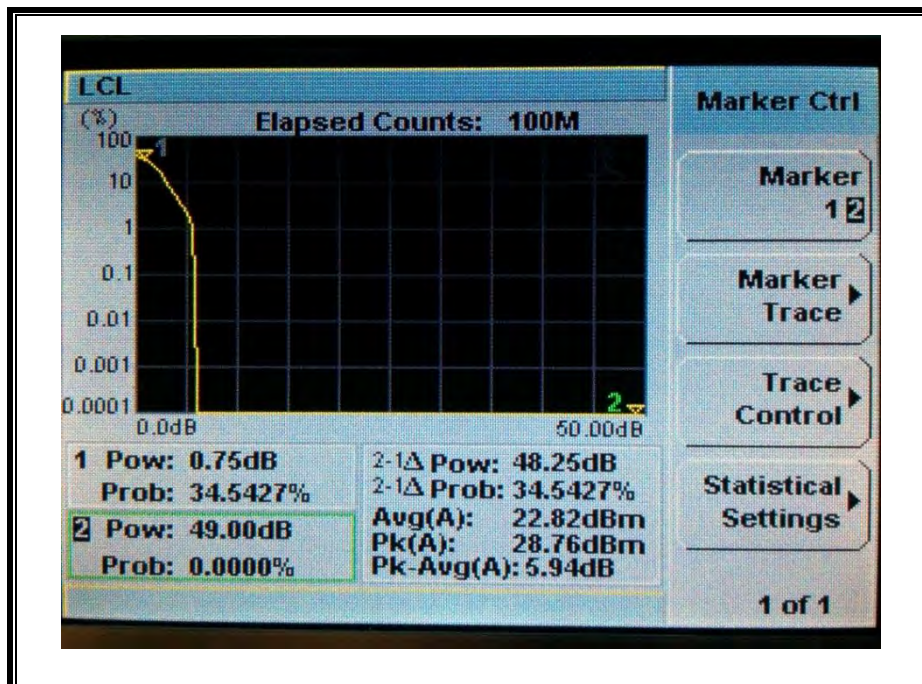




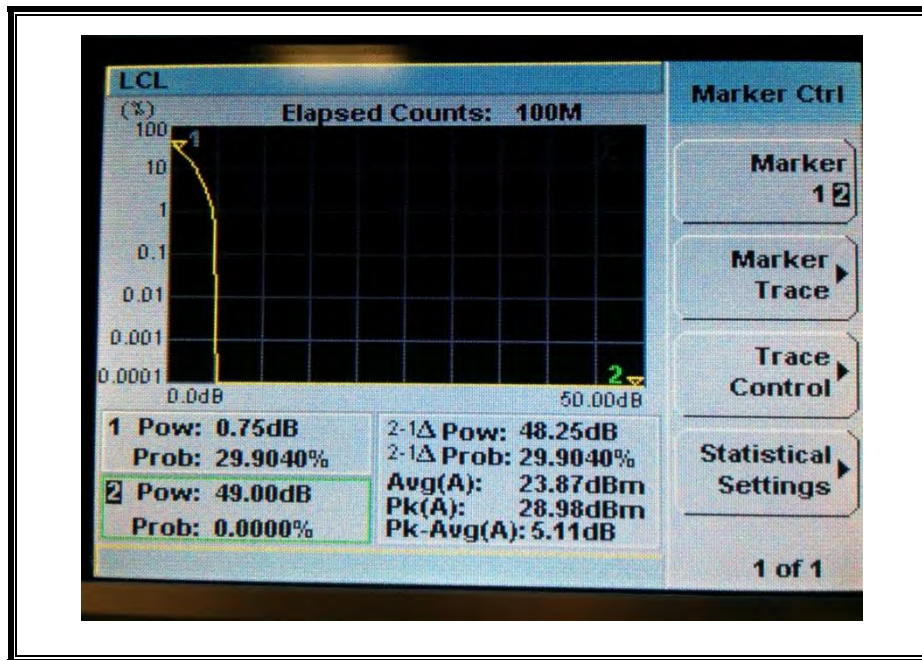
QPSK Band 2 (20 MHz BAND WIDTH)



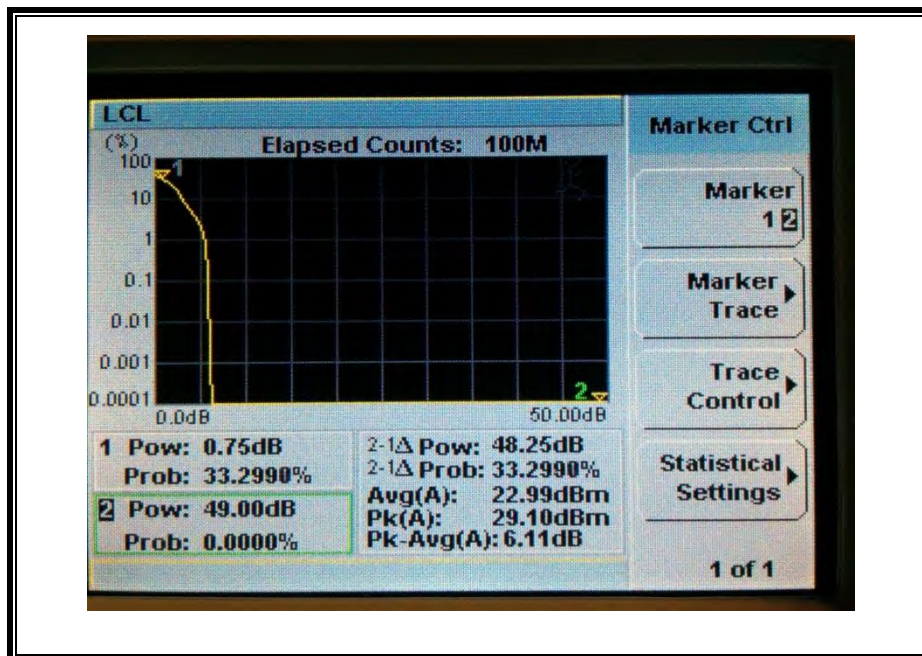
16QAM Band 2 (20 MHz BAND WIDTH)



QPSK Band 4 (1.4 MHz BAND WIDTH)

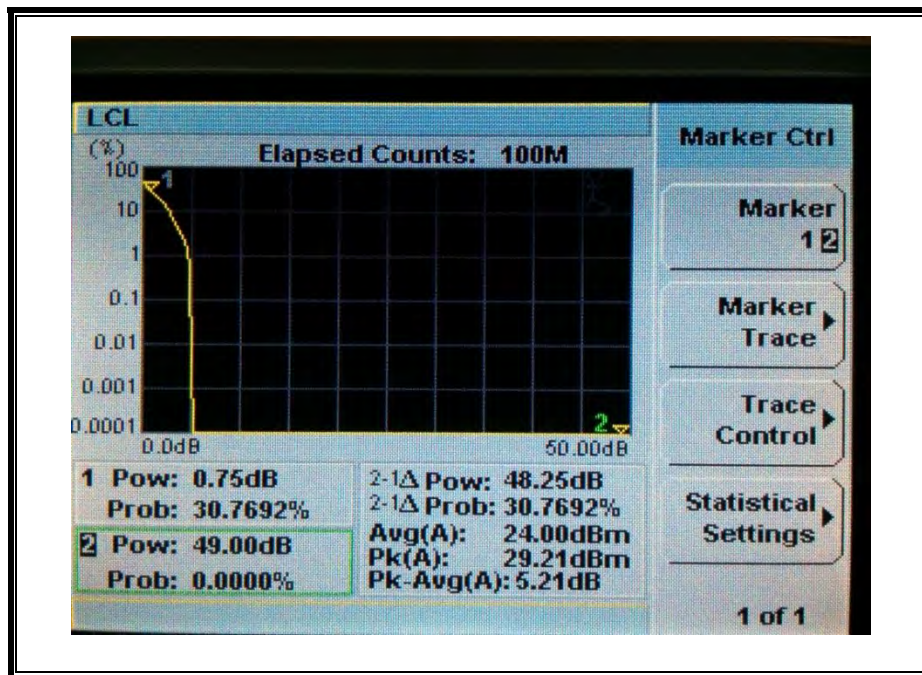


16QAM Band 4 (1.4 MHz BAND WIDTH)

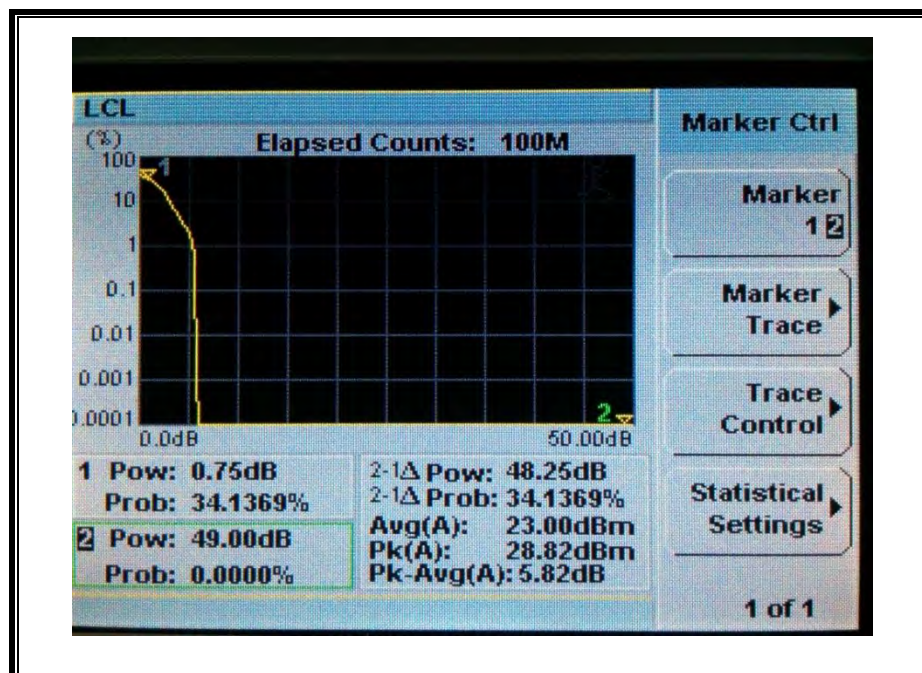




QPSK Band 4 (3 MHz BAND WIDTH)



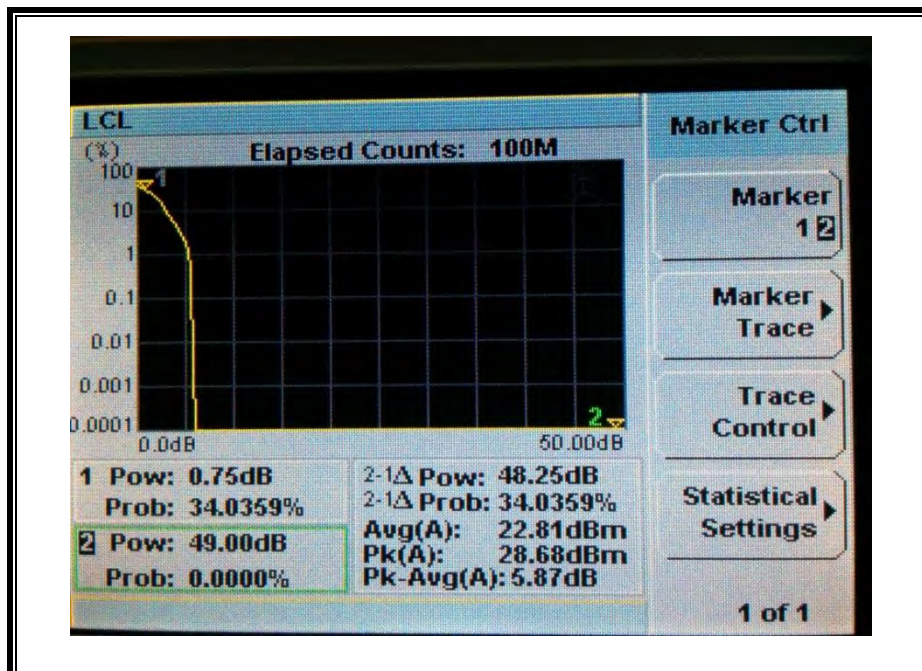
16QAM Band 4 (3 MHz BAND WIDTH)



QPSK Band 4 (5 MHz BAND WIDTH)

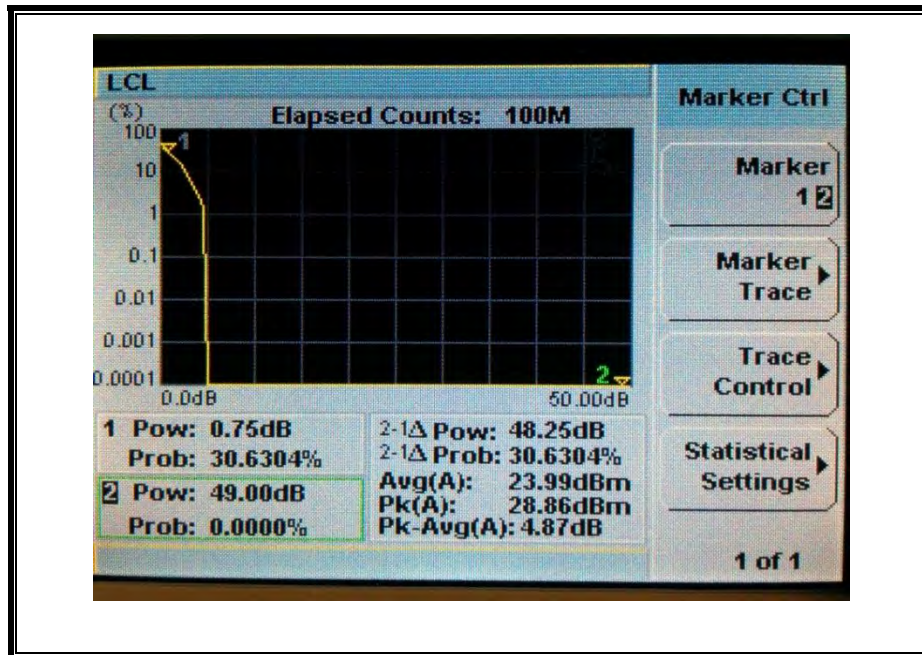


16QAM Band 4 (5 MHz BAND WIDTH)

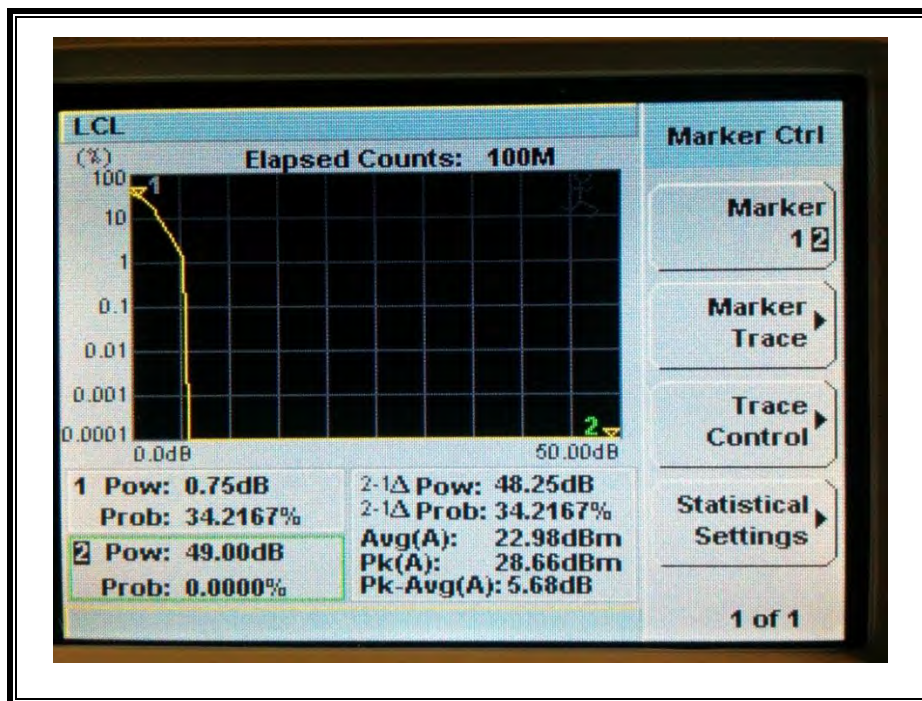




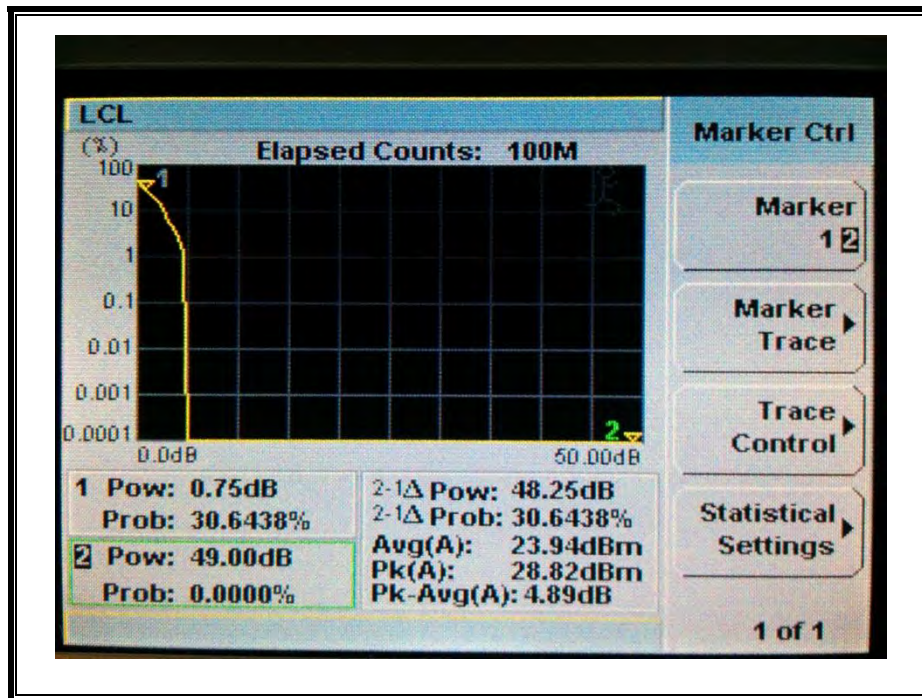
QPSK Band 4 (10 MHz BAND WIDTH)



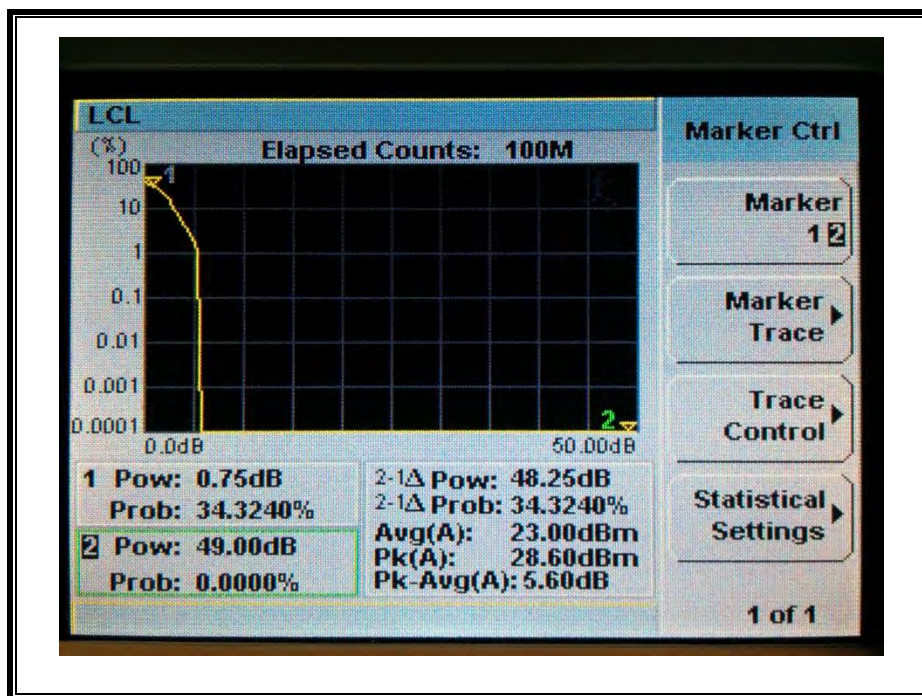
16QAM Band 4 (10 MHz BAND WIDTH)



QPSK Band 4 (15 MHz BAND WIDTH)

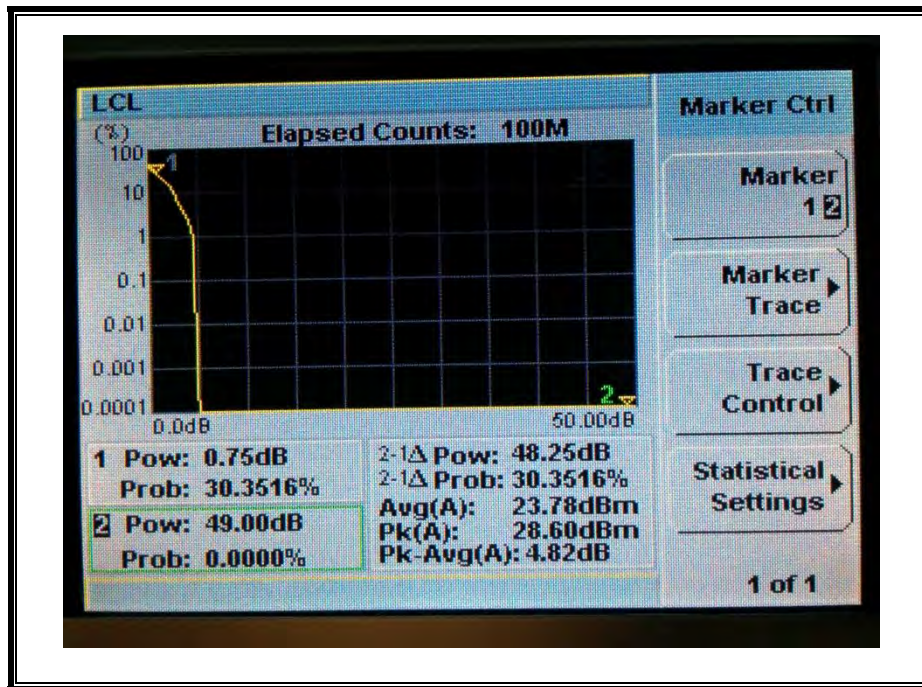


16QAM Band 4 (15 MHz BAND WIDTH)

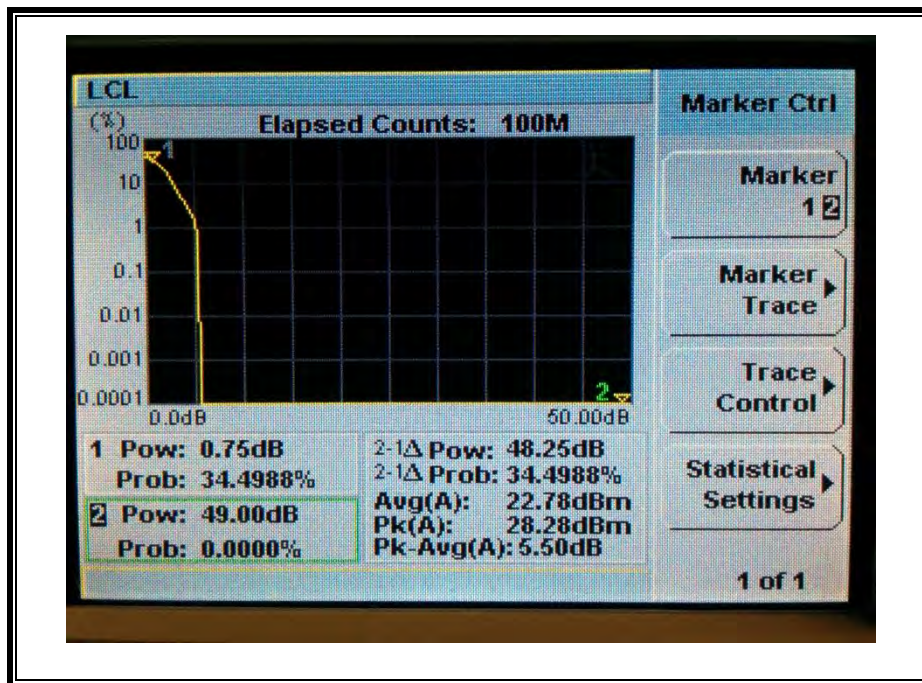




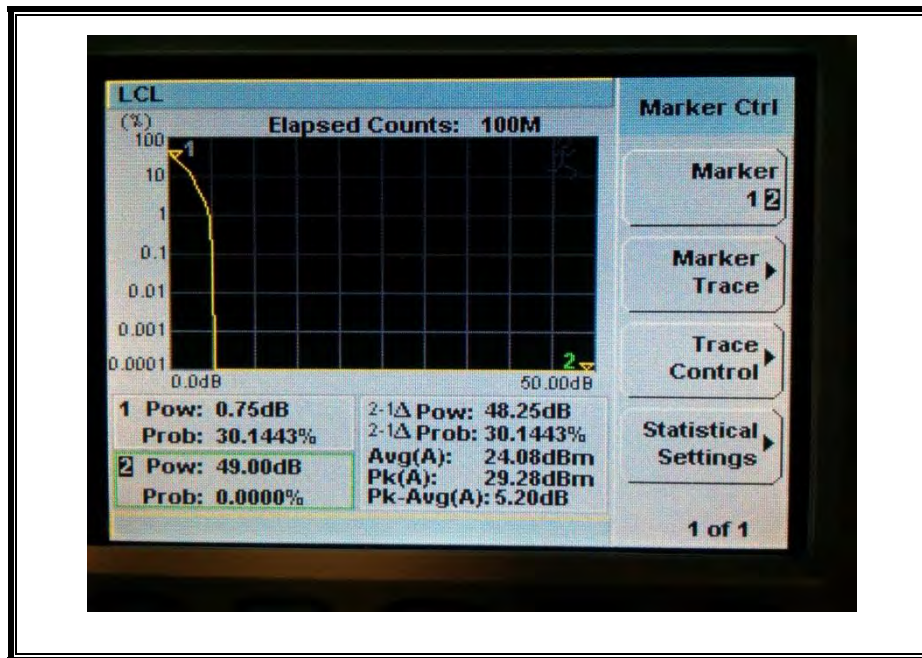
QPSK Band 4 (20 MHz BAND WIDTH)



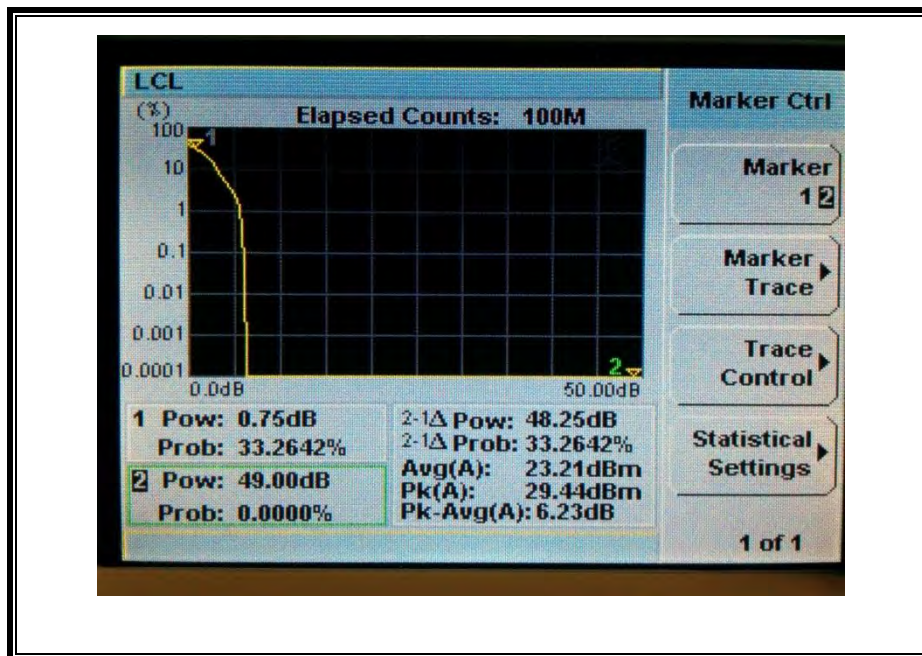
16QAM Band 4 (20 MHz BAND WIDTH)



QPSK Band 5 (1.4 MHz BAND WIDTH)

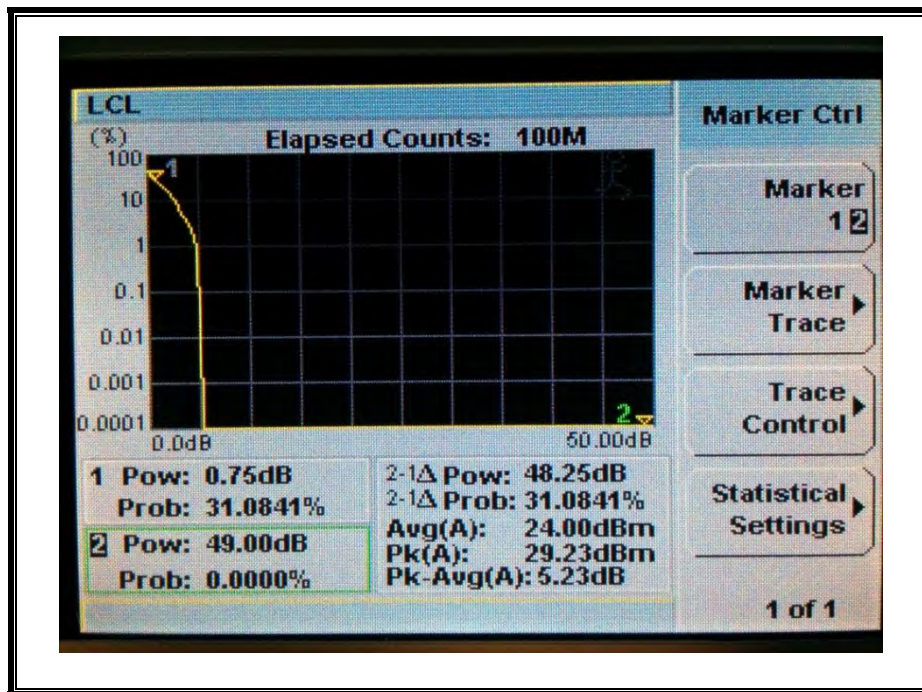


LTE 16QAM Band 5 (1.4 MHz BAND WIDTH)

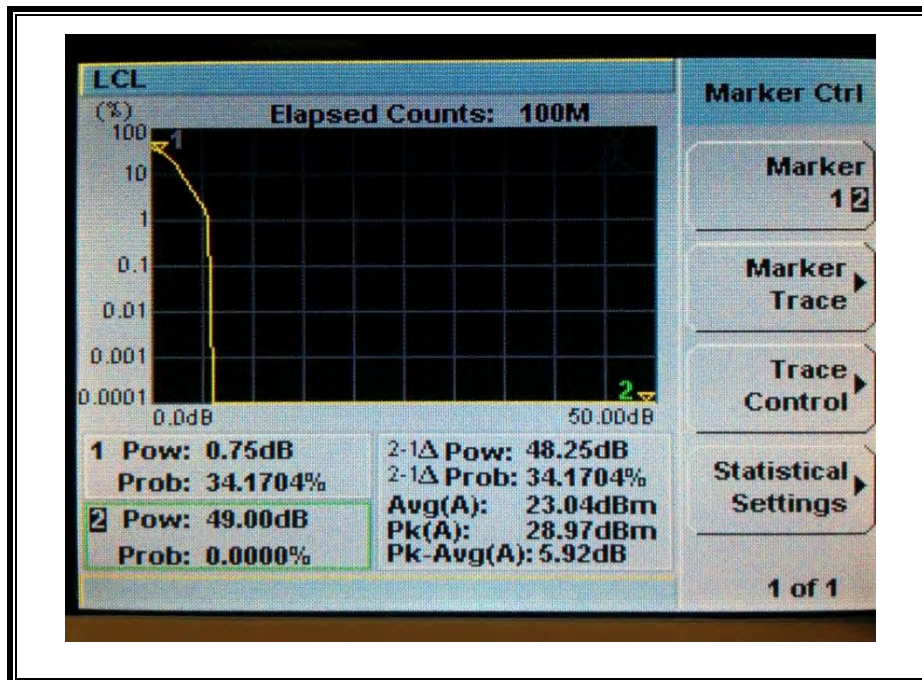




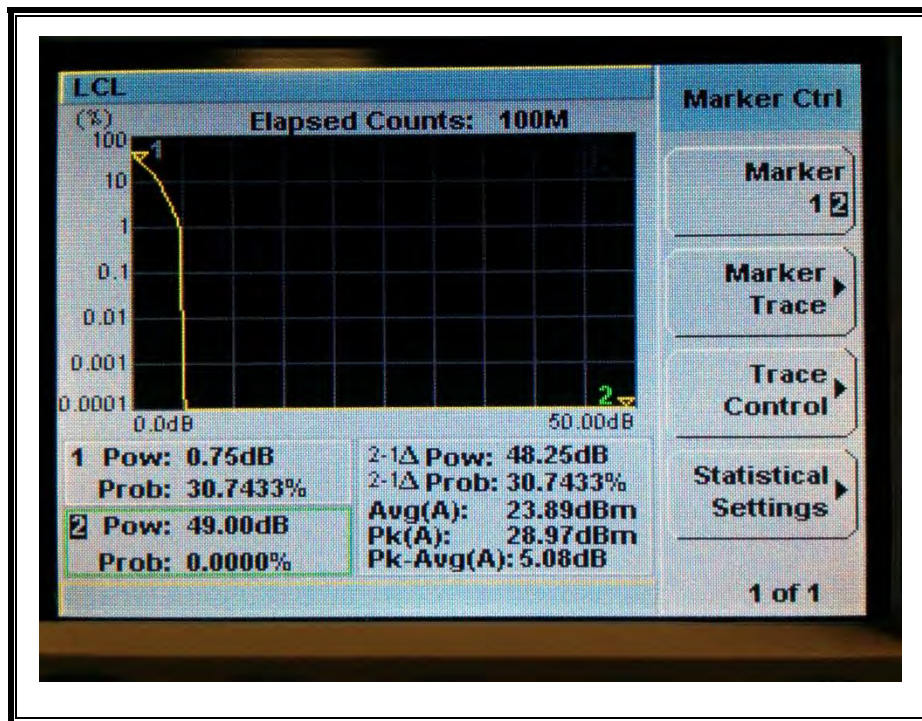
QPSK Band 5 (3 MHz BAND WIDTH)



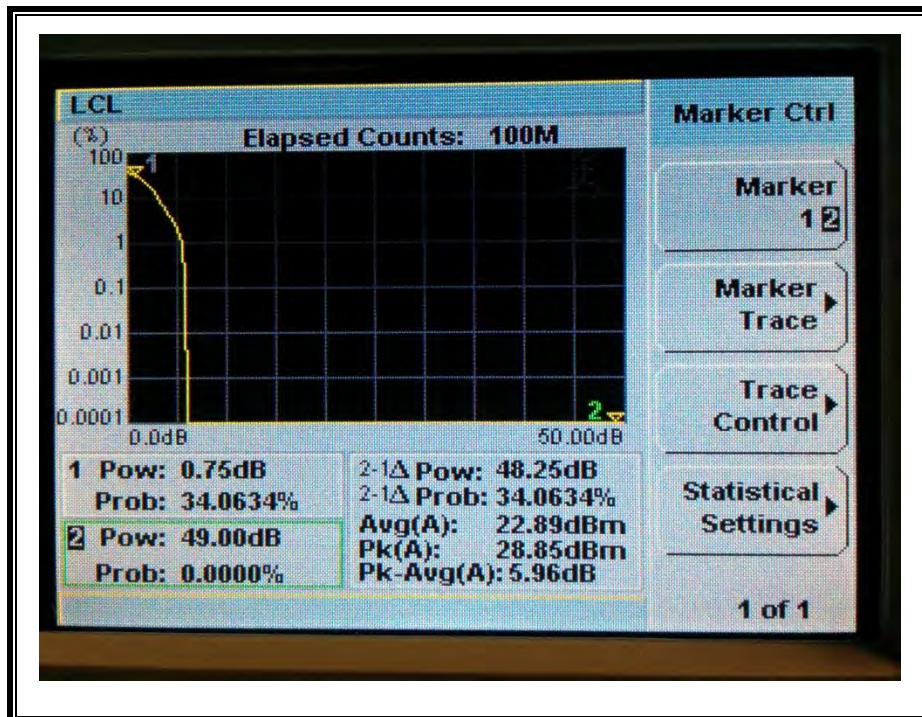
LTE 16QAM Band 5 (3 MHz BAND WIDTH)



QPSK Band 5 (5 MHz BAND WIDTH)

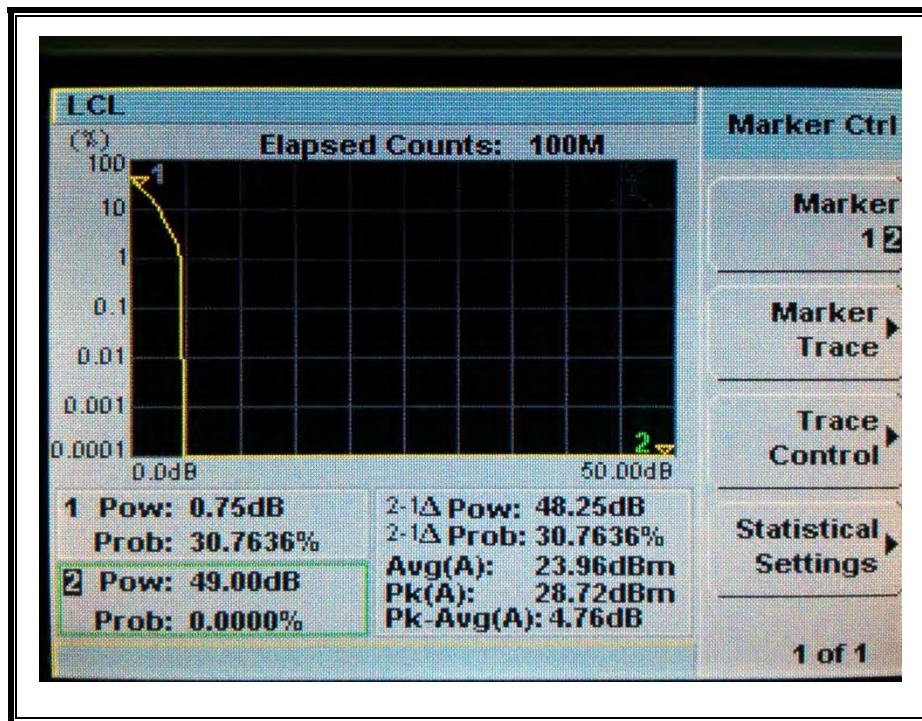


LTE 16QAM Band 5 (5 MHz BAND WIDTH)

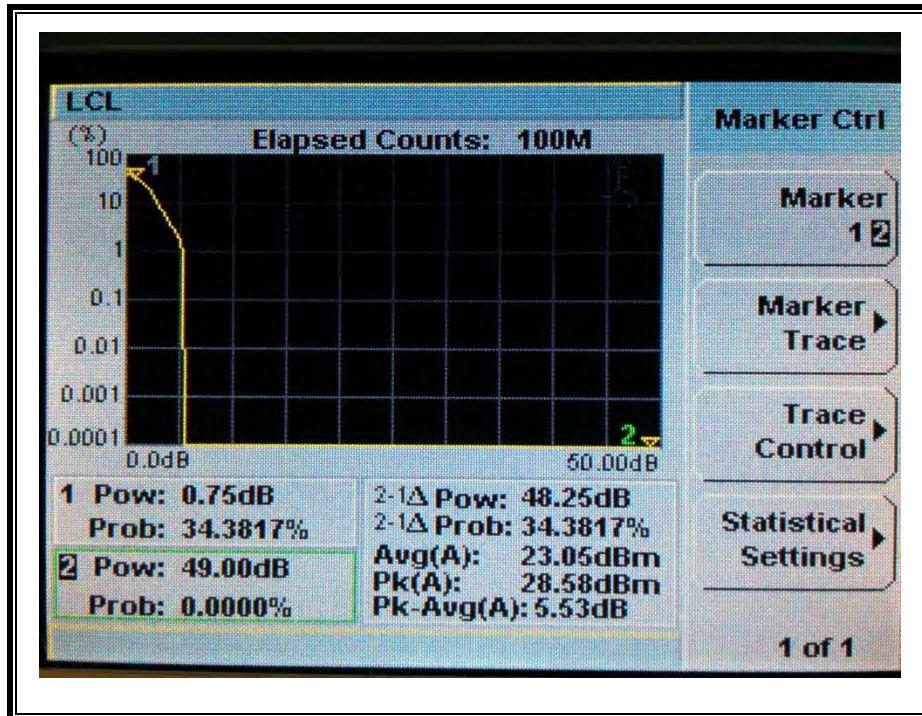




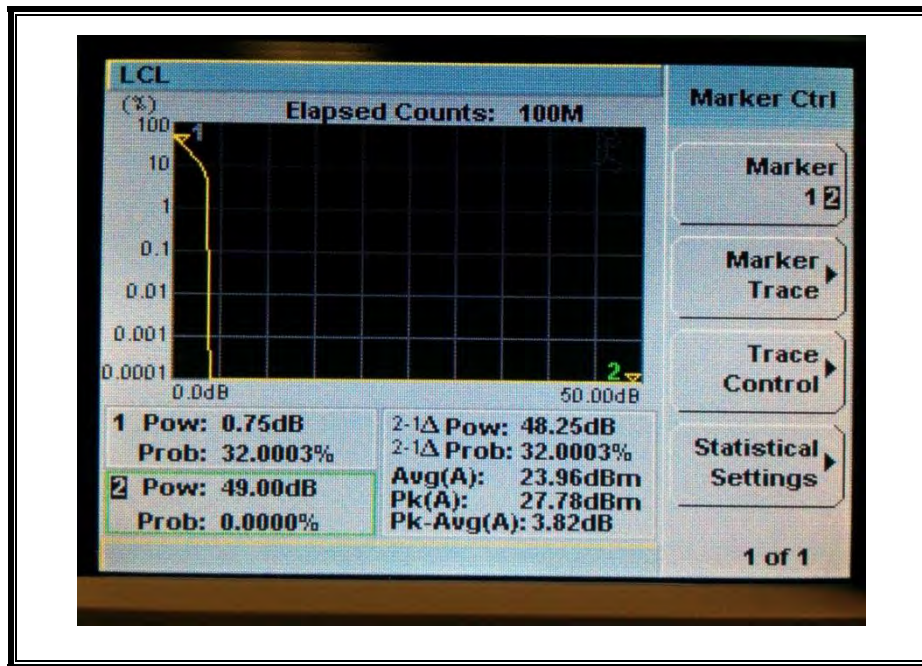
QPSK Band 5 (10 MHz BAND WIDTH)



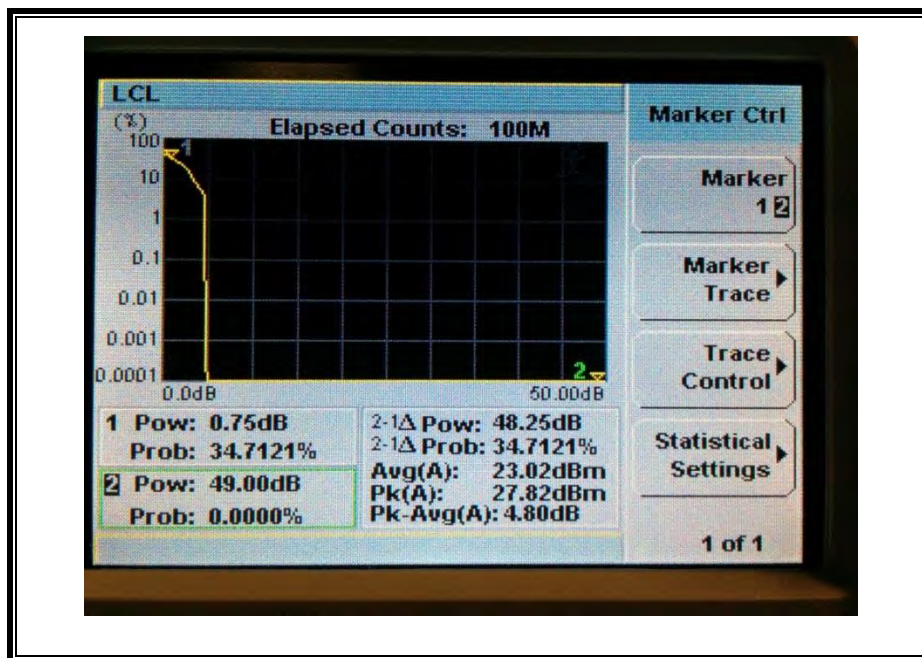
LTE 16QAM Band 5 (10 MHz BAND WIDTH)



QPSK Band 13 (5 MHz BAND WIDTH)

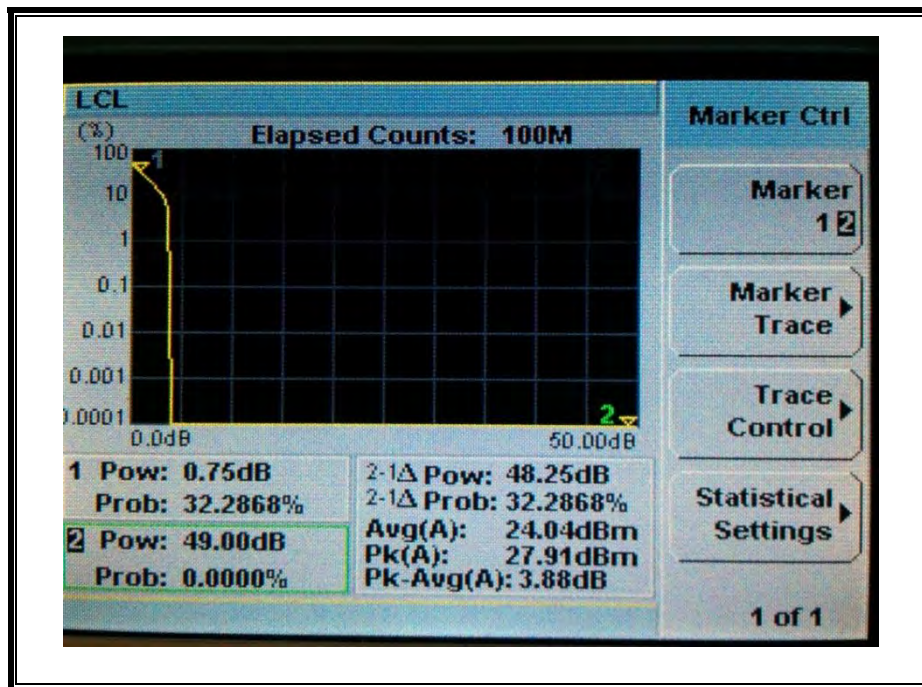


LTE 16QAM Band 13 (5 MHz BAND WIDTH)

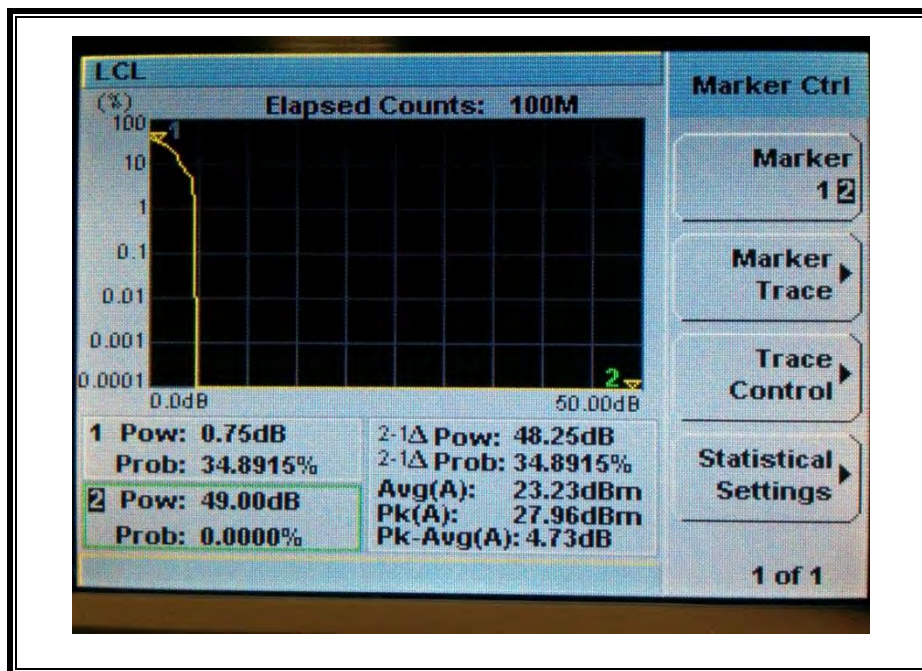




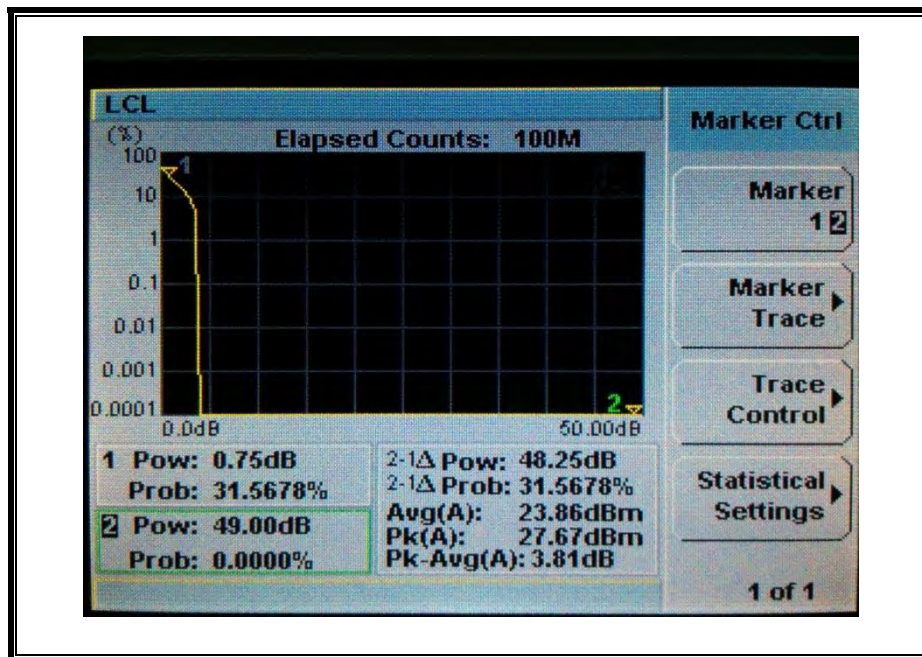
QPSK Band 13 (10 MHz BAND WIDTH)



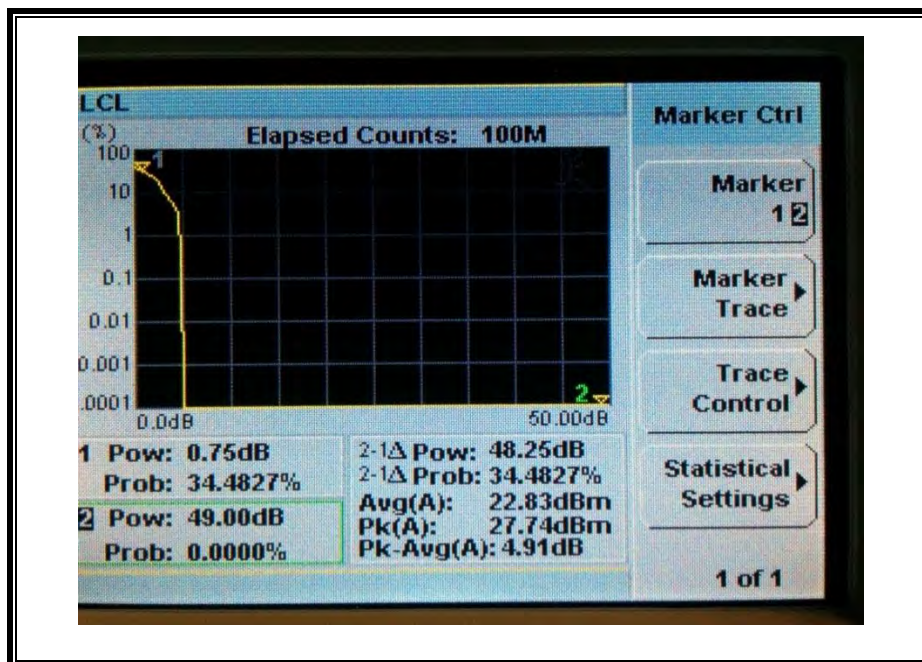
LTE 16QAM Band 13 (10 MHz BAND WIDTH)



QPSK Band 17 (5 MHz BAND WIDTH)

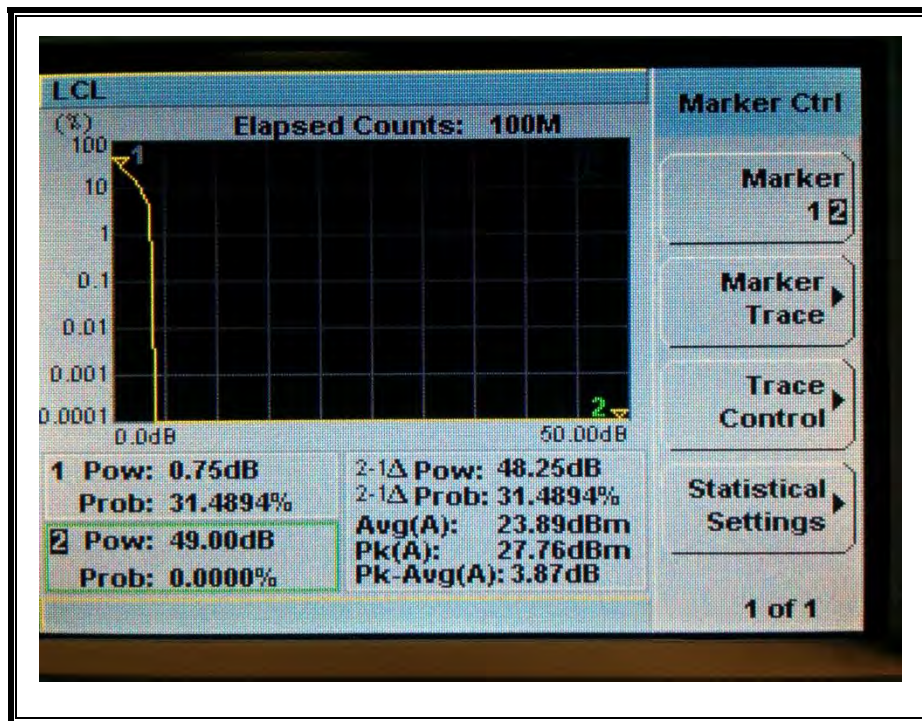


LTE 16QAM Band 17 (5 MHz BAND WIDTH)





QPSK Band 17 (10 MHz BAND WIDTH)



LTE 16QAM Band 17 (10 MHz BAND WIDTH)

