

LTE Cat M Appendix-PAR

LTE FDD Band 2, Nominal Bandwidth: 1.4MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.81	13	Pass
	MCH	6	0	9.80	13	Pass
	HCH	6	0	9.59	13	Pass
16QAM	LCH	5	0	9.91	13	Pass
	MCH	5	0	9.91	13	Pass
	HCH	5	0	9.11	13	Pass

LTE FDD Band 2, Nominal Bandwidth: 3MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.83	13	Pass
	MCH	6	0	9.99	13	Pass
	HCH	6	0	9.83	13	Pass
16QAM	LCH	5	0	10.48	13	Pass
	MCH	5	0	10.08	13	Pass
	HCH	5	0	9.84	13	Pass

LTE FDD Band 2, Nominal Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	8.83	13	Pass
	MCH	6	0	8.55	13	Pass
	HCH	6	0	8.12	13	Pass
16QAM	LCH	5	0	9.73	13	Pass
	MCH	5	0	9.78	13	Pass
	HCH	5	0	8.99	13	Pass

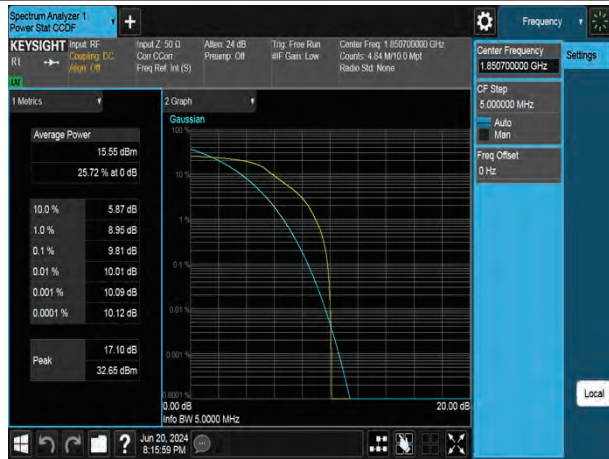
LTE FDD Band 2, Nominal Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	8.65	13	Pass
	MCH	6	0	8.53	13	Pass
	HCH	6	0	8.55	13	Pass
16QAM	LCH	5	0	8.67	13	Pass
	MCH	5	0	8.46	13	Pass
	HCH	5	0	8.10	13	Pass

LTE FDD Band 2, Nominal Bandwidth: 15MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	7.99	13	Pass
	MCH	6	0	7.76	13	Pass
	HCH	6	0	7.43	13	Pass
16QAM	LCH	5	0	7.64	13	Pass
	MCH	5	0	7.62	13	Pass
	HCH	5	0	7.28	13	Pass

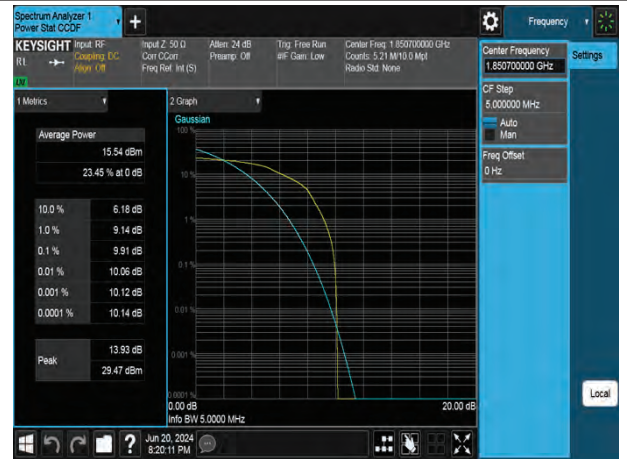
LTE FDD Band 2, Nominal Bandwidth: 20MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	7.80	13	Pass
	MCH	6	0	7.72	13	Pass
	HCH	6	0	7.42	13	Pass
16QAM	LCH	5	0	7.74	13	Pass
	MCH	5	0	7.65	13	Pass
	HCH	5	0	7.33	13	Pass

LTE FDD Band 2, Nominal Bandwidth: 1.4MHz

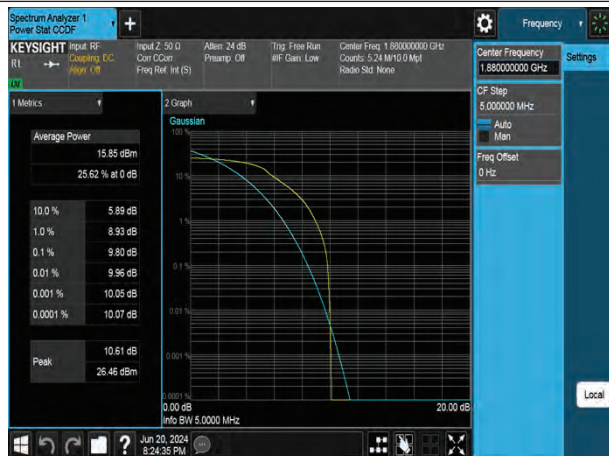
QPSK Low channel-6 RB offset 0



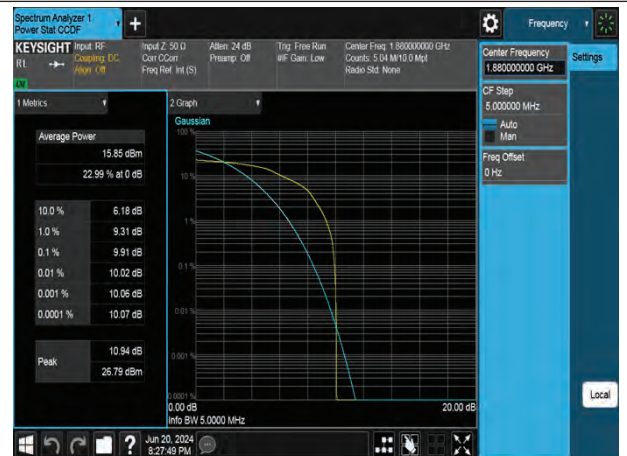
16QAM Low channel-5 RB offset 0



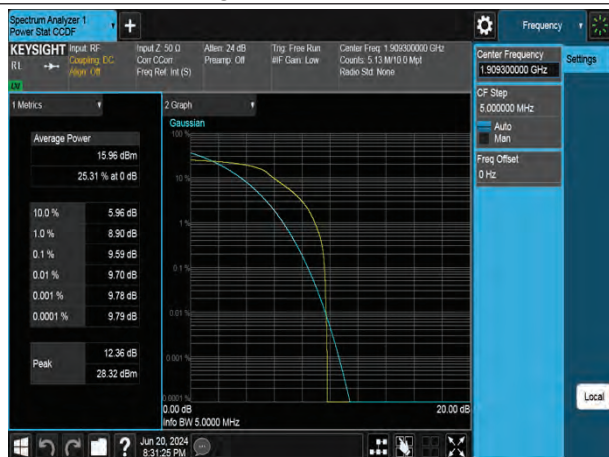
QPSK Middle channel-6 RB offset 0



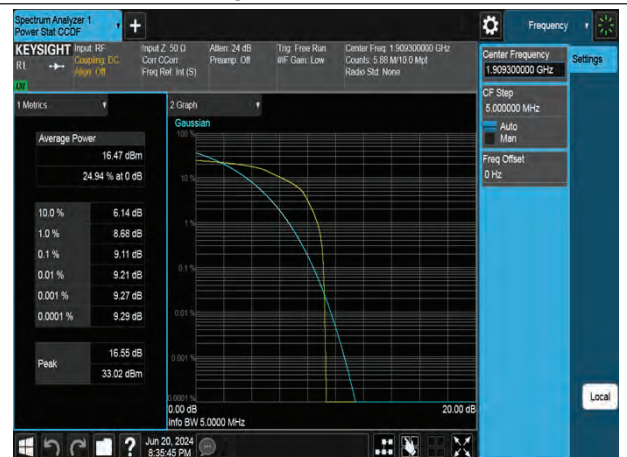
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 2, Nominal Bandwidth: 3MHz

QPSK Low channel-6 RB offset 0



16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



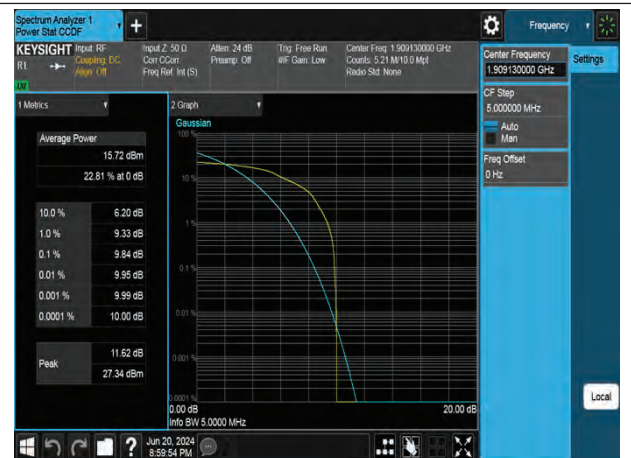
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

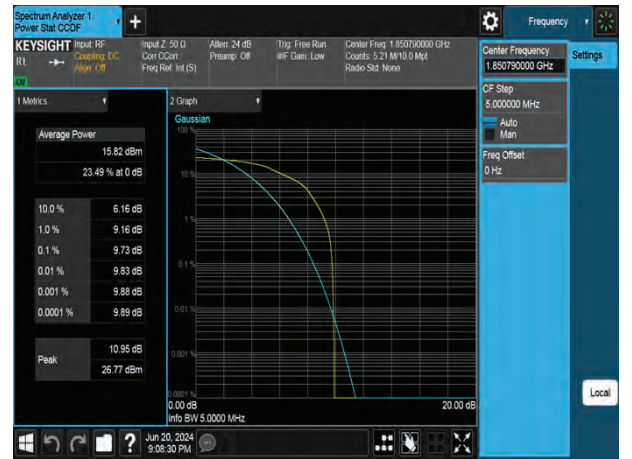


LTE FDD Band 2, Nominal Bandwidth: 5MHz

QPSK Low channel-6 RB offset 0



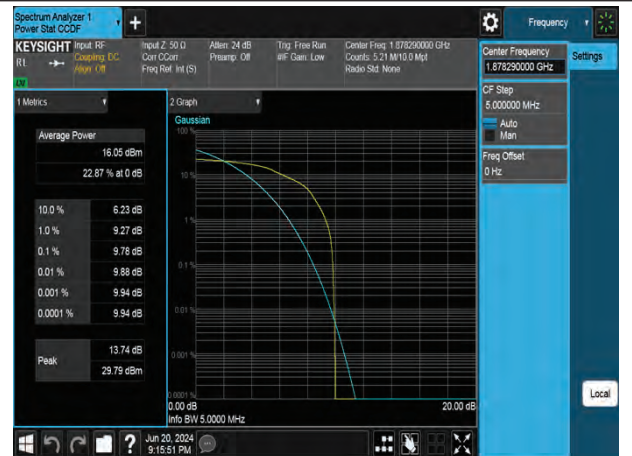
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



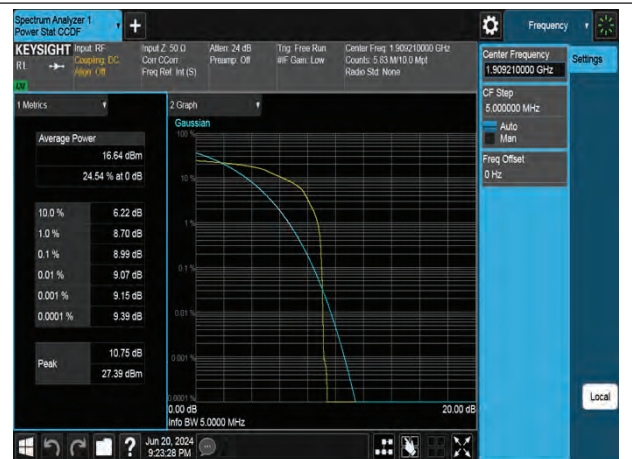
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

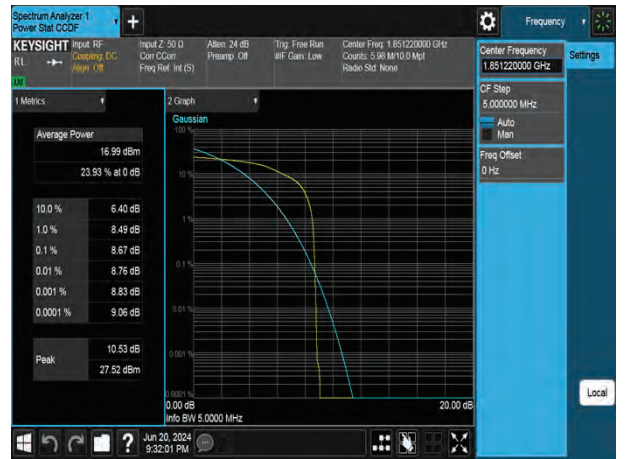


LTE FDD Band 2, Nominal Bandwidth: 10MHz

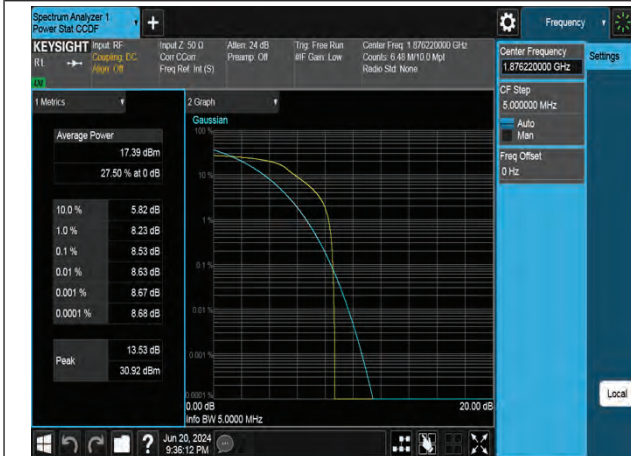
QPSK Low channel-6 RB offset 0



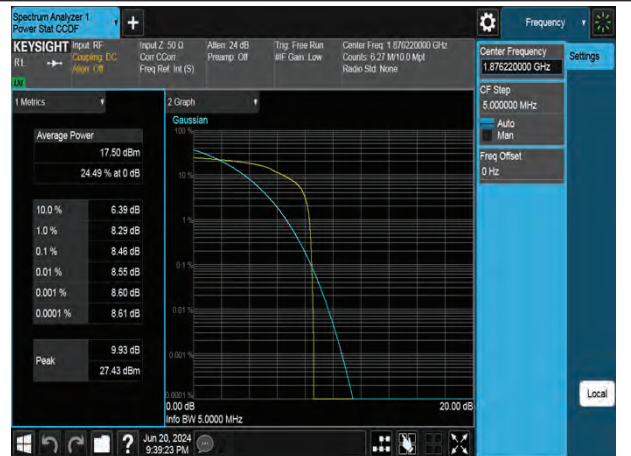
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



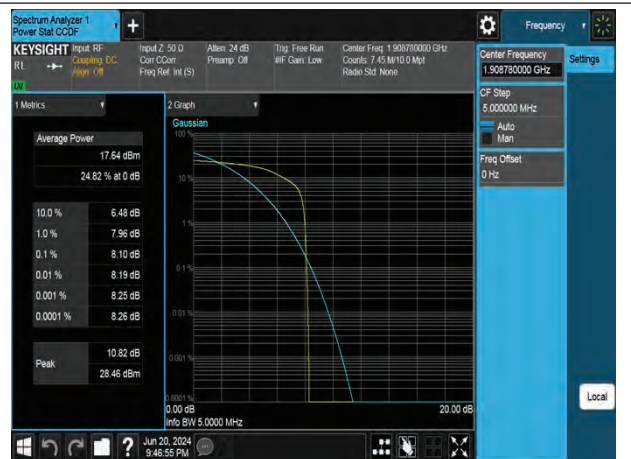
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

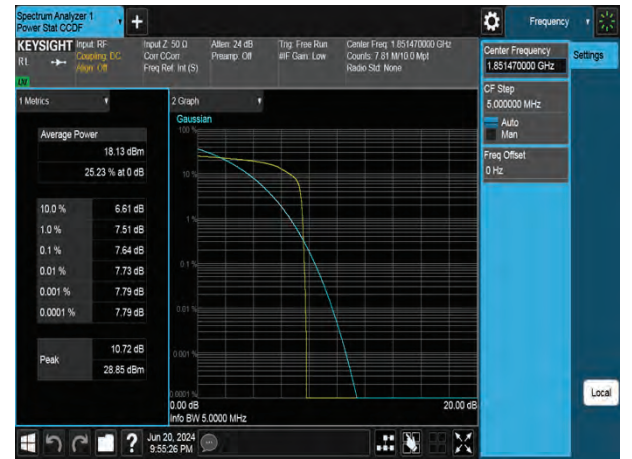


LTE FDD Band 2, Nominal Bandwidth: 15MHz

QPSK Low channel-6 RB offset 0



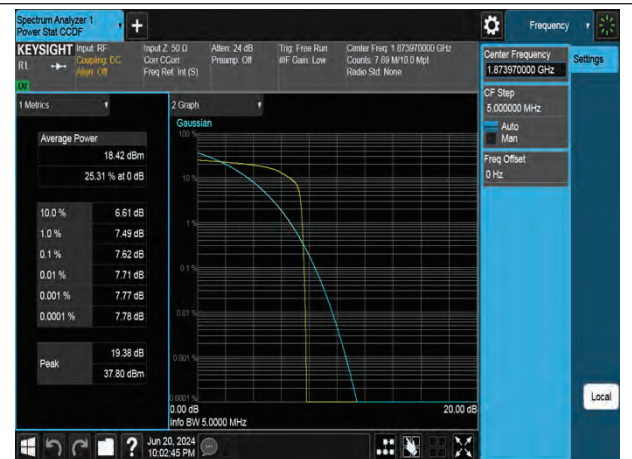
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



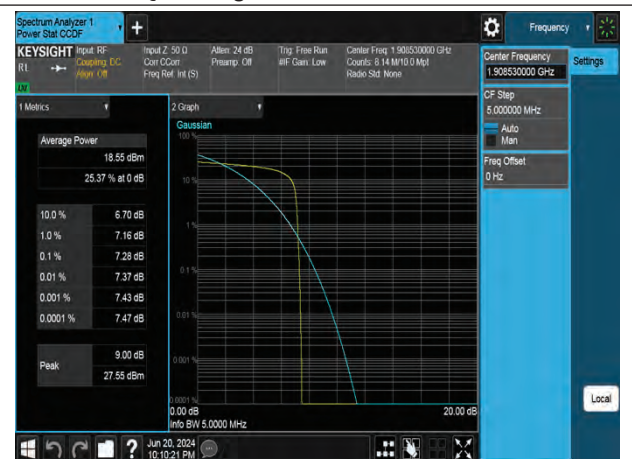
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0

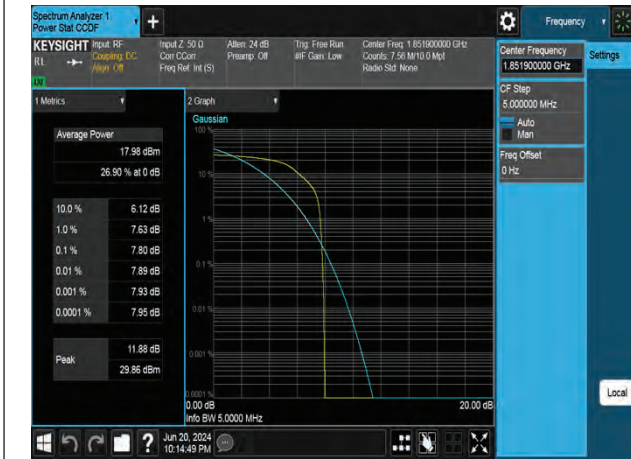


16QAM High channel-5 RB offset 0

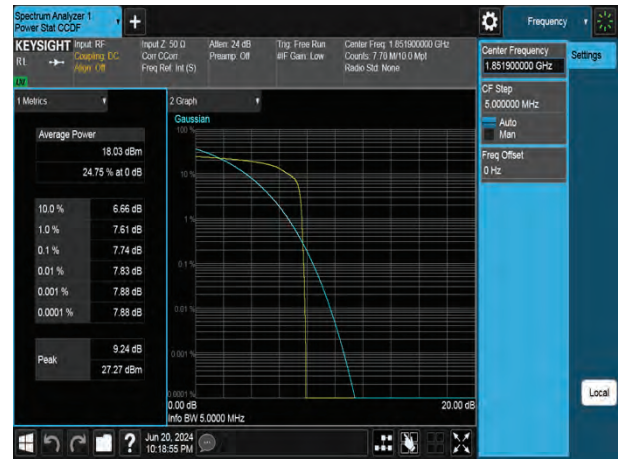


LTE FDD Band 2, Nominal Bandwidth: 20MHz

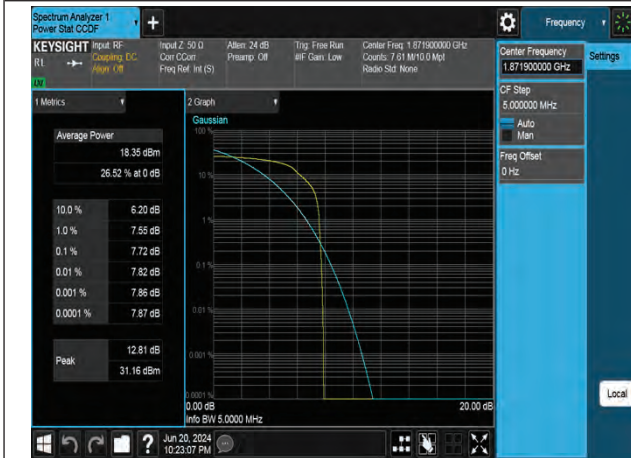
QPSK Low channel-6 RB offset 0



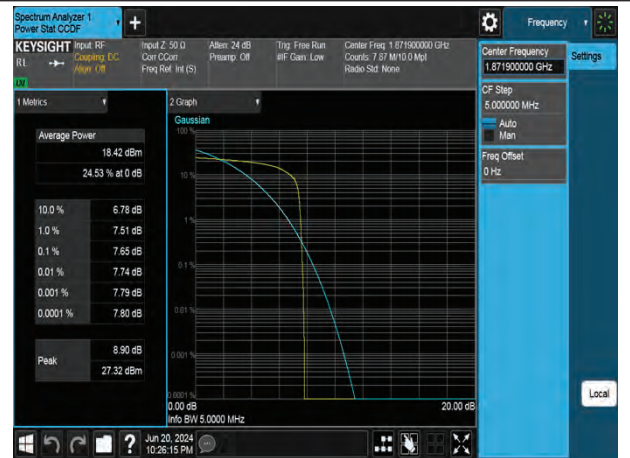
16QAM Low channel-5 RB offset 0



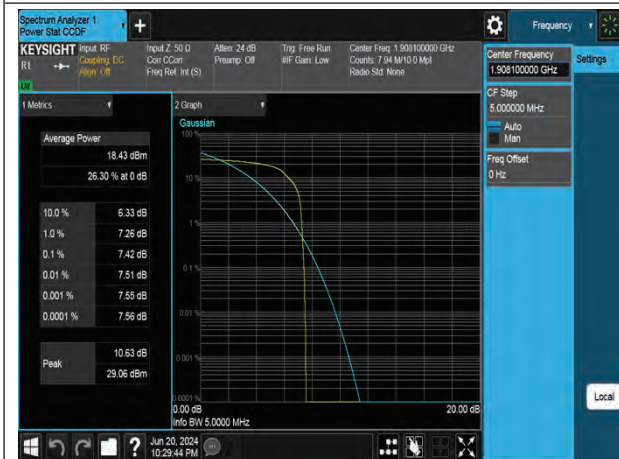
QPSK Middle channel-6 RB offset 0



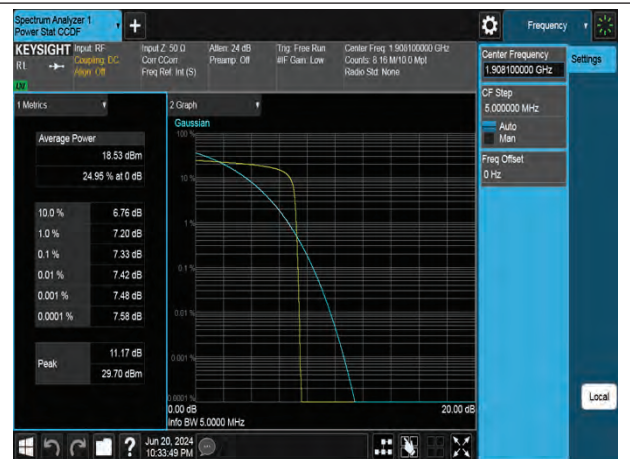
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 4, Nominal Bandwidth: 1.4MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	10.02	13	Pass
	MCH	6	0	10.12	13	Pass
	HCH	6	0	9.69	13	Pass
16QAM	LCH	5	0	10.38	13	Pass
	MCH	5	0	10.52	13	Pass
	HCH	5	0	10.24	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 3MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	10.13	13	Pass
	MCH	6	0	10.05	13	Pass
	HCH	6	0	10.18	13	Pass
16QAM	LCH	5	0	10.75	13	Pass
	MCH	5	0	10.66	13	Pass
	HCH	5	0	10.52	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.75	13	Pass
	MCH	6	0	10.02	13	Pass
	HCH	6	0	9.61	13	Pass
16QAM	LCH	5	0	10.48	13	Pass
	MCH	5	0	10.45	13	Pass
	HCH	5	0	10.36	13	Pass

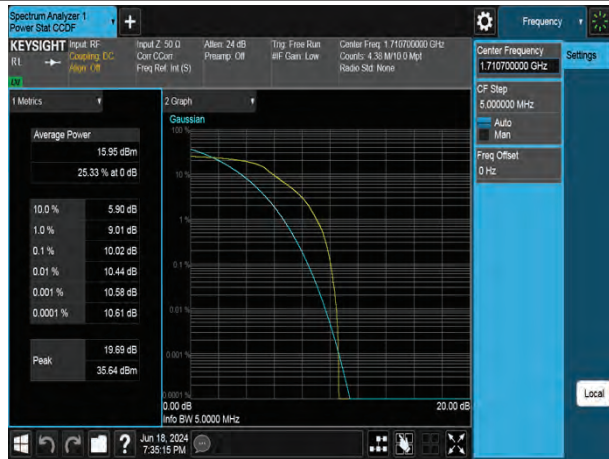
LTE FDD Band 4, Nominal Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.83	13	Pass
	MCH	6	0	9.72	13	Pass
	HCH	6	0	9.08	13	Pass
16QAM	LCH	5	0	10.03	13	Pass
	MCH	5	0	9.84	13	Pass
	HCH	5	0	9.59	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 15MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.35	13	Pass
	MCH	6	0	9.46	13	Pass
	HCH	6	0	8.49	13	Pass
16QAM	LCH	5	0	8.96	13	Pass
	MCH	5	0	9.45	13	Pass
	HCH	5	0	8.70	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 20MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.54	13	Pass
	MCH	6	0	9.24	13	Pass
	HCH	6	0	8.52	13	Pass
16QAM	LCH	5	0	9.32	13	Pass
	MCH	5	0	8.92	13	Pass
	HCH	5	0	8.42	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 1.4MHz

QPSK Low channel-6 RB offset 0



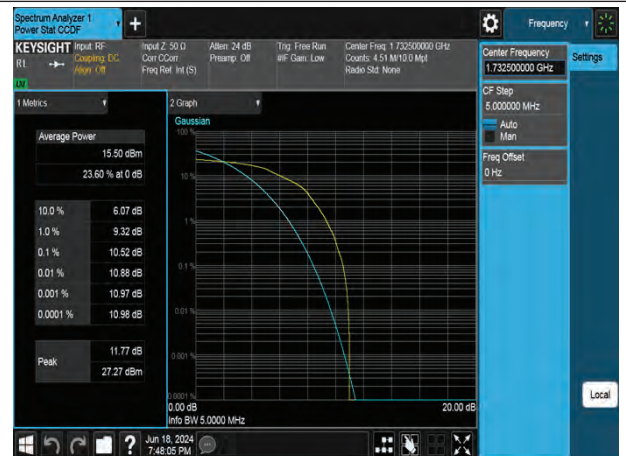
16QAM Low channel-5 RB offset 0



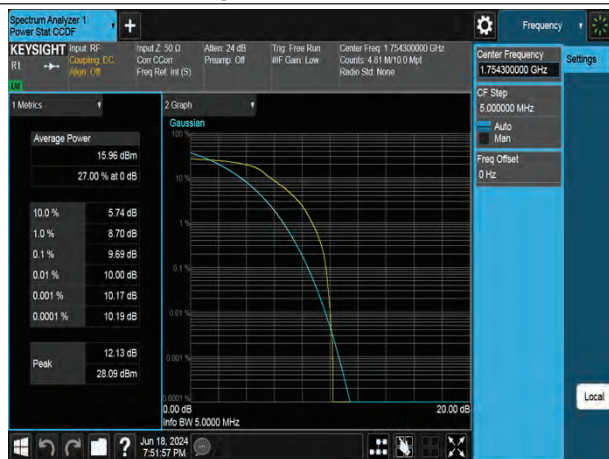
QPSK Middle channel-6 RB offset 0



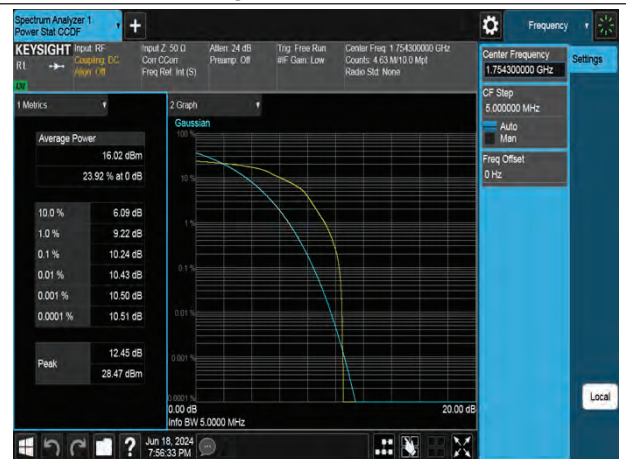
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

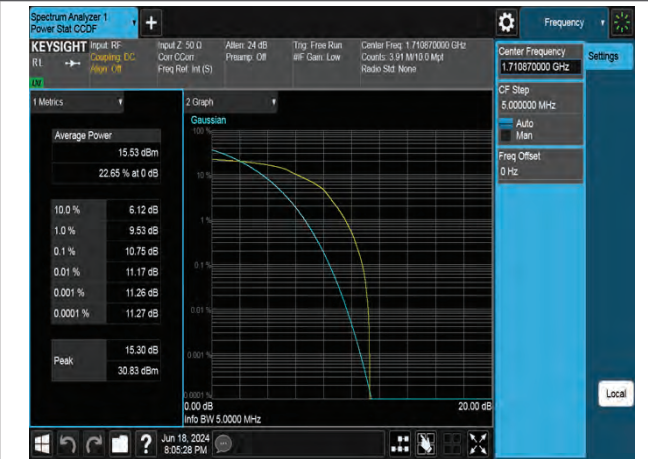


LTE FDD Band 4, Nominal Bandwidth: 3MHz

QPSK Low channel-6 RB offset 0



16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



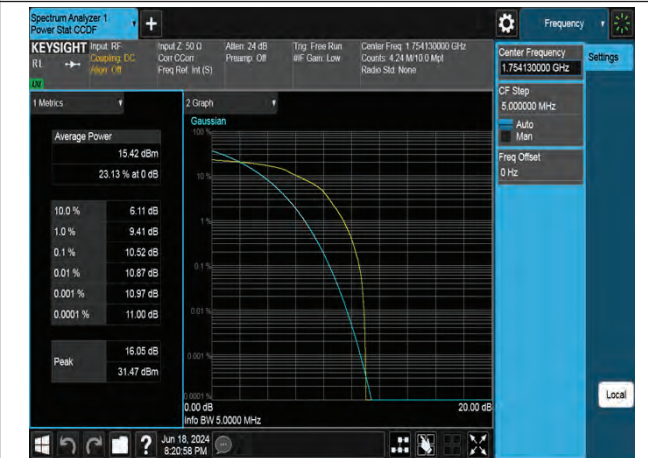
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0

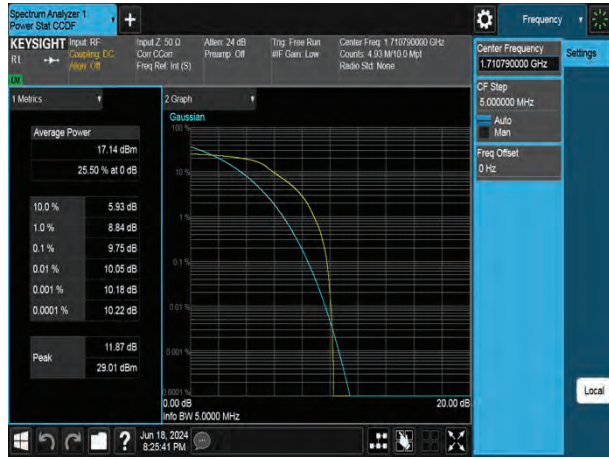


16QAM High channel-5 RB offset 0



LTE FDD Band 4, Nominal Bandwidth: 5MHz

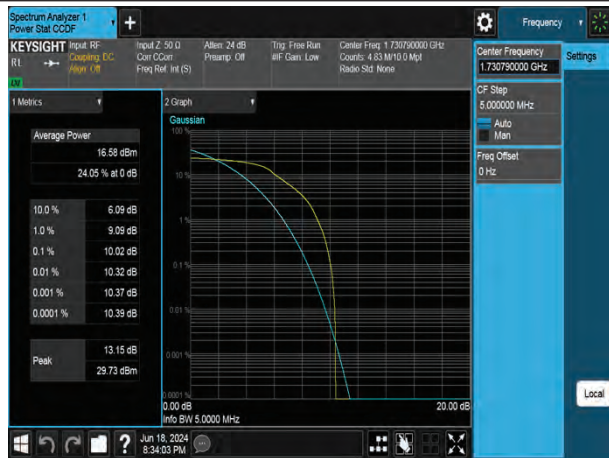
QPSK Low channel-6 RB offset 0



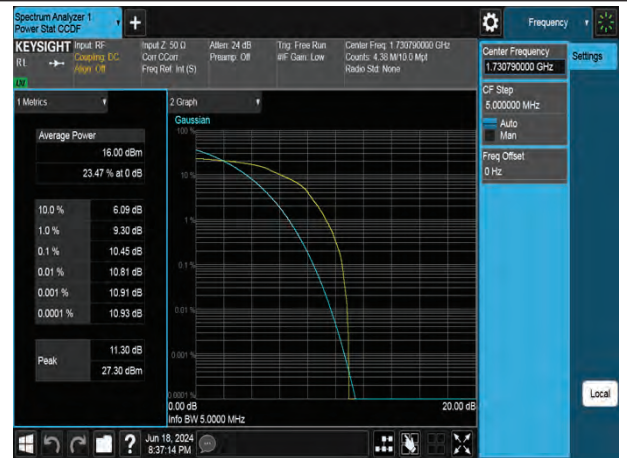
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

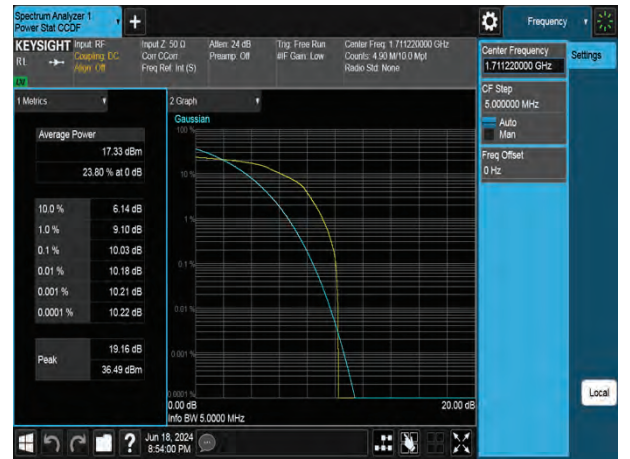


LTE FDD Band 4, Nominal Bandwidth: 10MHz

QPSK Low channel-6 RB offset 0



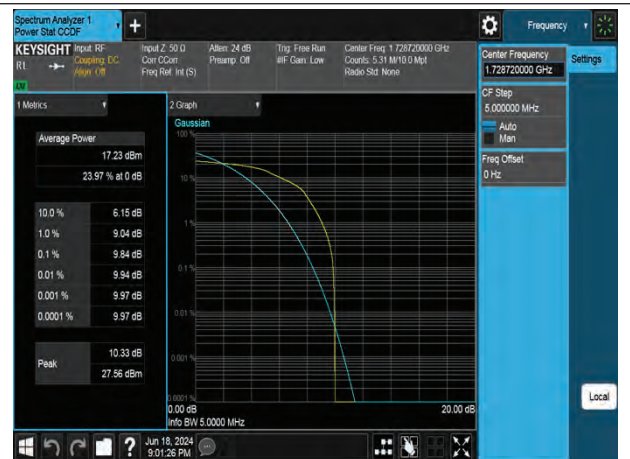
16QAM Low channel-5 RB offset 0



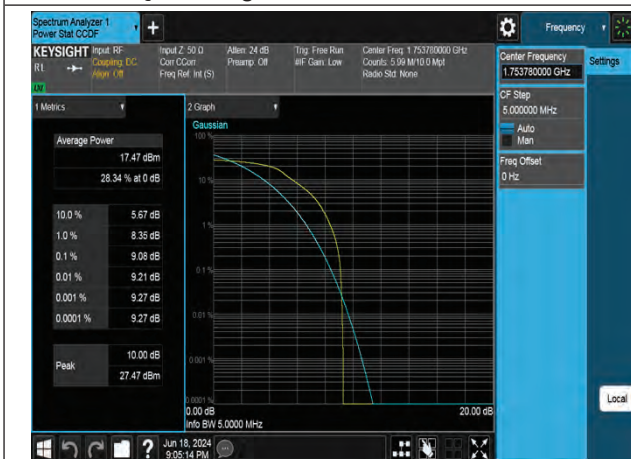
QPSK Middle channel-6 RB offset 0



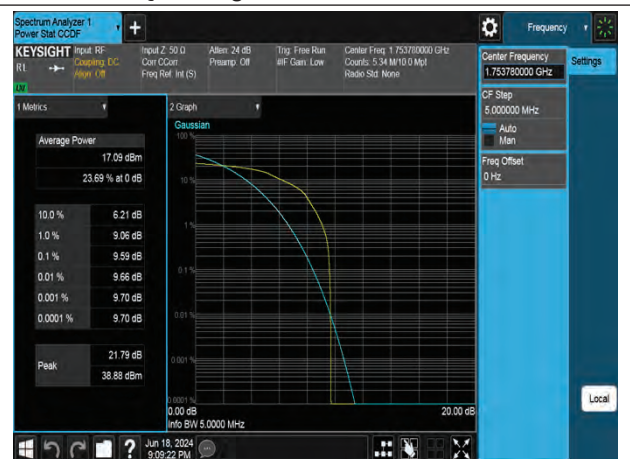
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

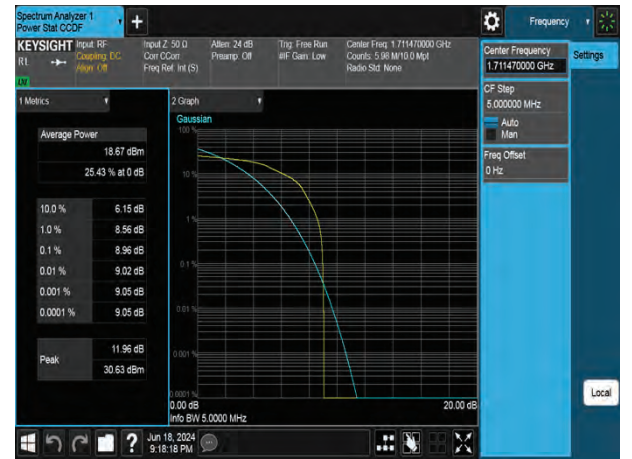


LTE FDD Band 4, Nominal Bandwidth: 15MHz

QPSK Low channel-6 RB offset 0



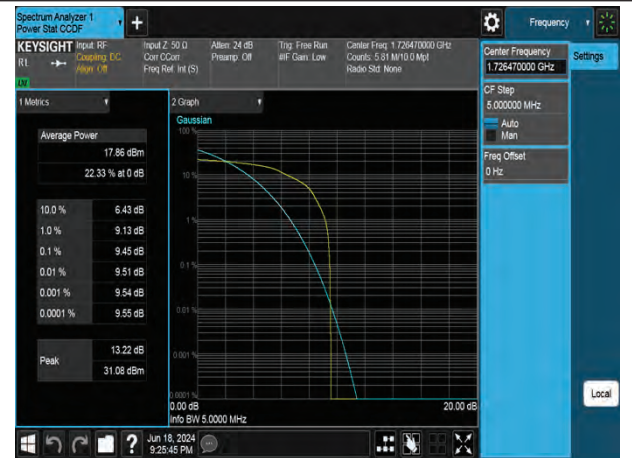
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



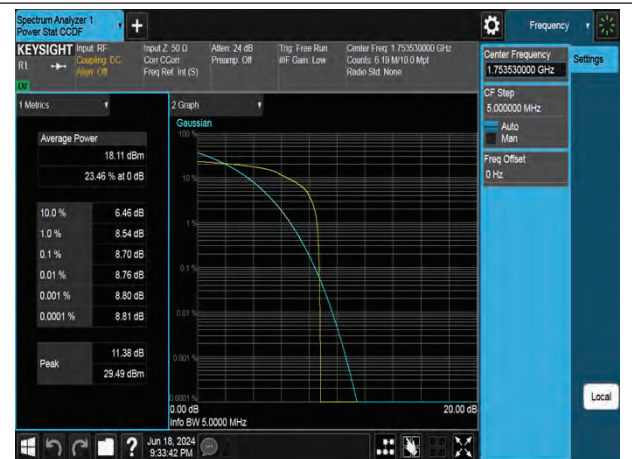
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

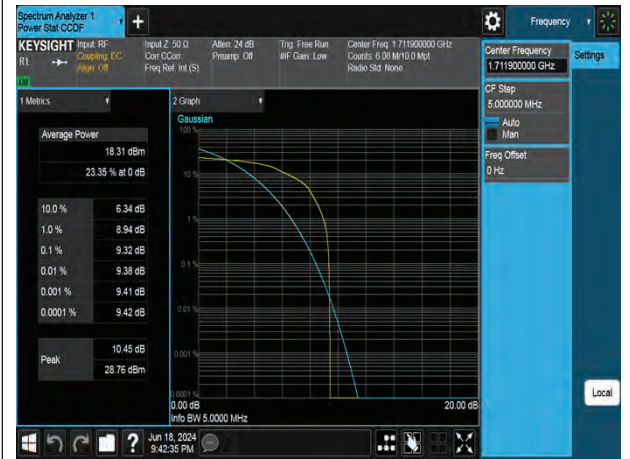


LTE FDD Band 4, Nominal Bandwidth: 20MHz

QPSK Low channel-6 RB offset 0



16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 5, Nominal Bandwidth: 1.4MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.81	13	Pass
	MCH	6	0	9.93	13	Pass
	HCH	6	0	9.94	13	Pass
16QAM	LCH	5	0	10.70	13	Pass
	MCH	5	0	10.63	13	Pass
	HCH	5	0	10.72	13	Pass

LTE FDD Band 5, Nominal Bandwidth: 3MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	10.04	13	Pass
	MCH	6	0	10.20	13	Pass
	HCH	6	0	10.20	13	Pass
16QAM	LCH	5	0	10.61	13	Pass
	MCH	5	0	10.51	13	Pass
	HCH	5	0	10.63	13	Pass

LTE FDD Band 5, Nominal Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.70	13	Pass
	MCH	6	0	9.62	13	Pass
	HCH	6	0	9.81	13	Pass
16QAM	LCH	5	0	10.32	13	Pass
	MCH	5	0	10.33	13	Pass
	HCH	5	0	10.42	13	Pass

LTE FDD Band 5, Nominal Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.83	13	Pass
	MCH	6	0	9.86	13	Pass
	HCH	6	0	9.91	13	Pass
16QAM	LCH	5	0	10.46	13	Pass
	MCH	5	0	10.38	13	Pass
	HCH	5	0	10.26	13	Pass

LTE FDD Band 5, Nominal Bandwidth: 1.4MHz

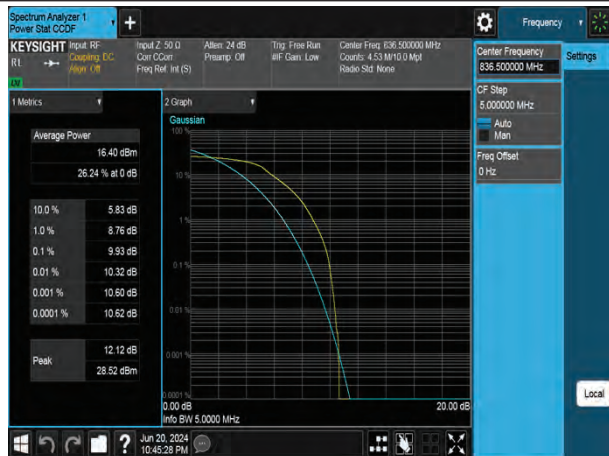
QPSK Low channel-6 RB offset 0



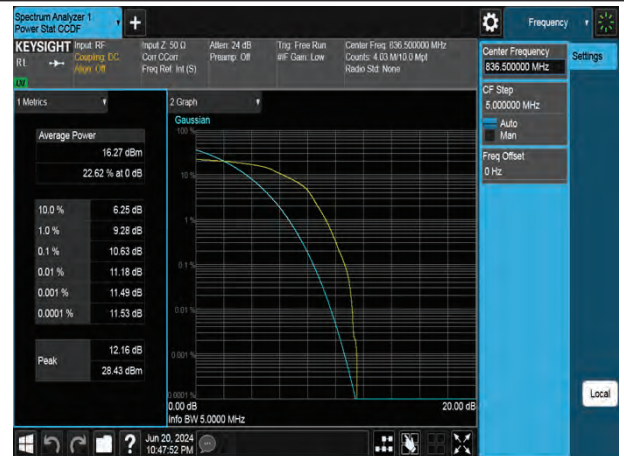
16QAM Low channel-5 RB offset 0



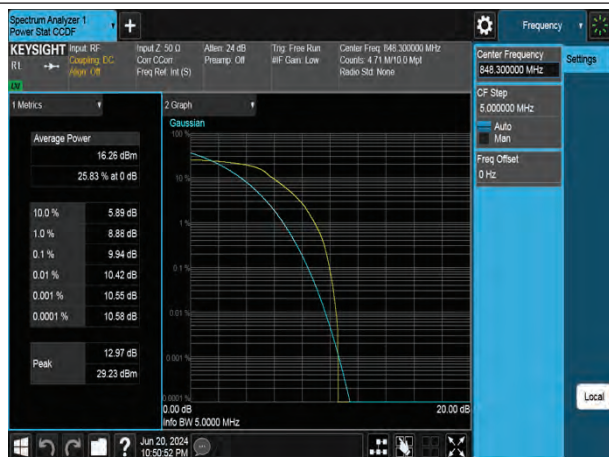
QPSK Middle channel-6 RB offset 0



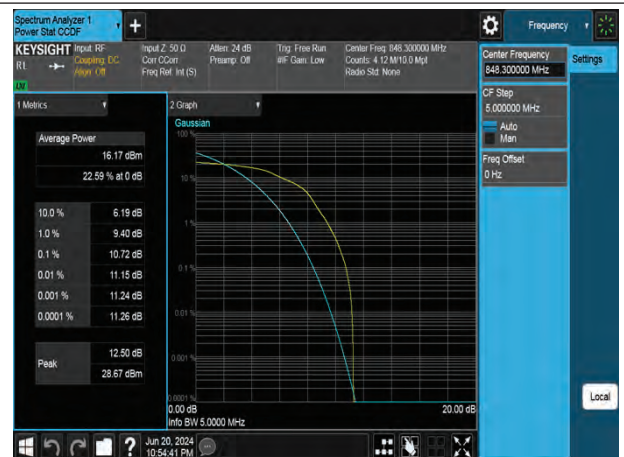
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0

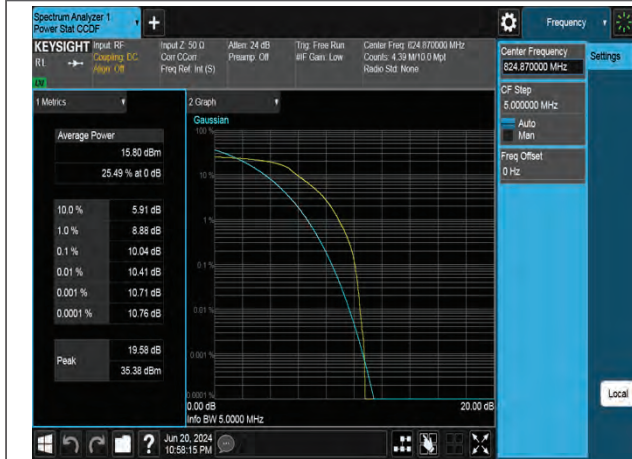


16QAM High channel-5 RB offset 0



LTE FDD Band 5, Nominal Bandwidth: 3MHz

QPSK Low channel-6 RB offset 0



16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 5, Nominal Bandwidth: 5MHz

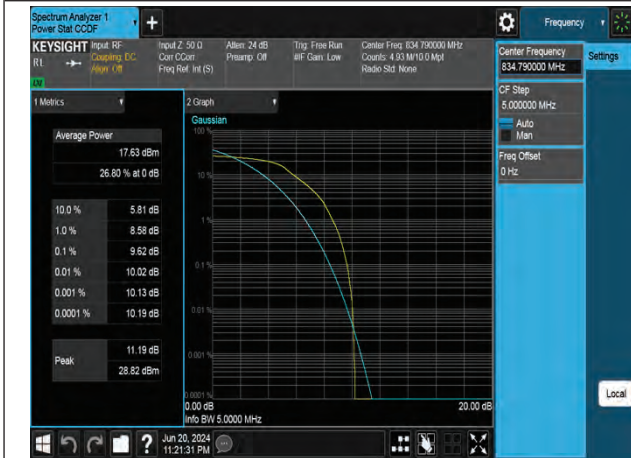
QPSK Low channel-6 RB offset 0



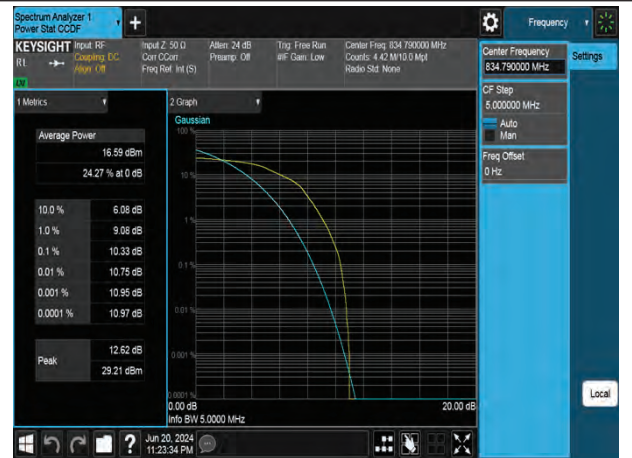
16QAM Low channel-5 RB offset 0



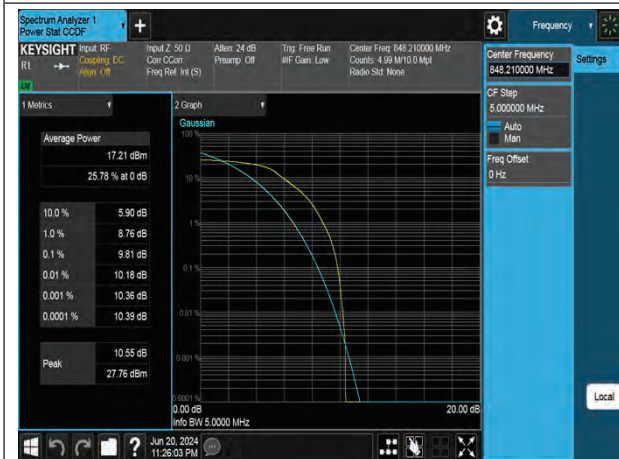
QPSK Middle channel-6 RB offset 0



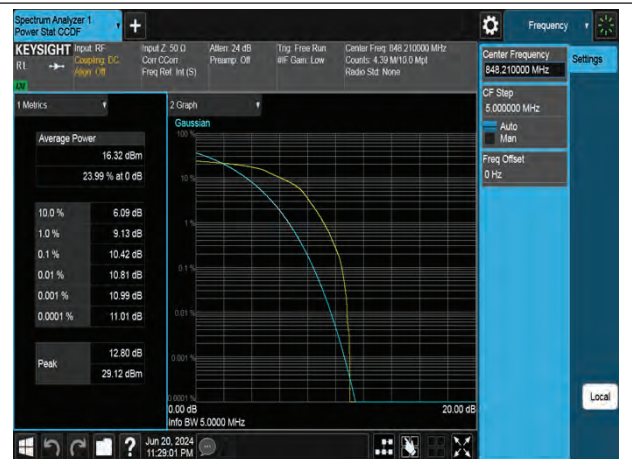
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

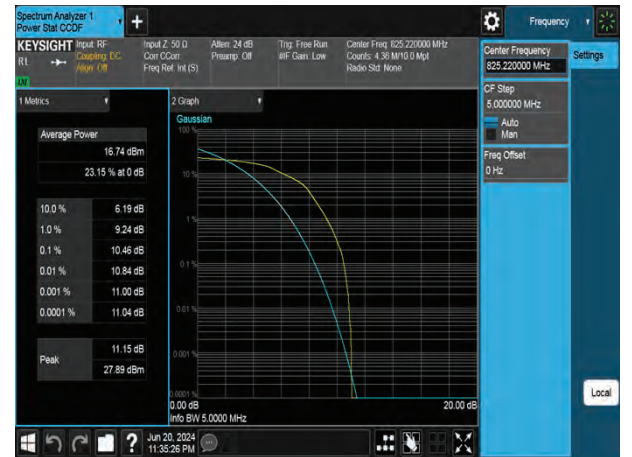


LTE FDD Band 5, Nominal Bandwidth: 10MHz

QPSK Low channel-6 RB offset 0



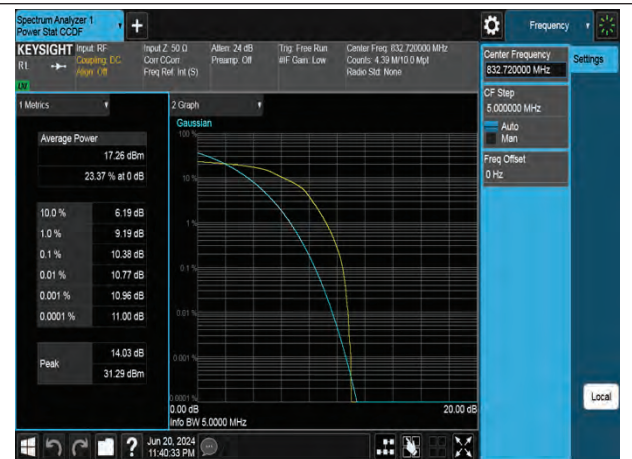
16QAM Low channel-5 RB offset 0



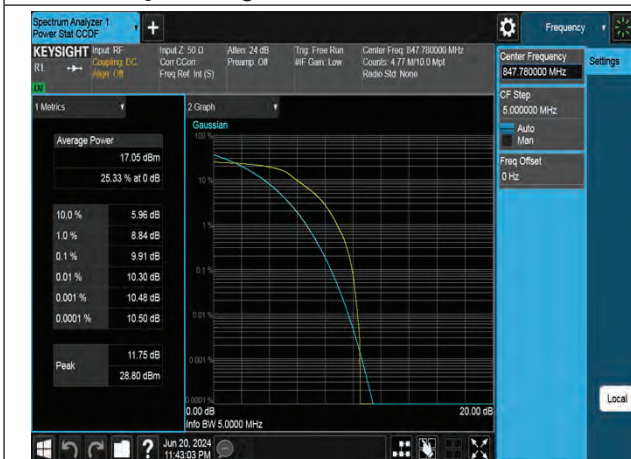
QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 12, Nominal Bandwidth: 1.4MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.94	13	Pass
	MCH	6	0	9.89	13	Pass
	HCH	6	0	10.10	13	Pass
16QAM	LCH	5	0	10.64	13	Pass
	MCH	5	0	10.22	13	Pass
	HCH	5	0	10.64	13	Pass

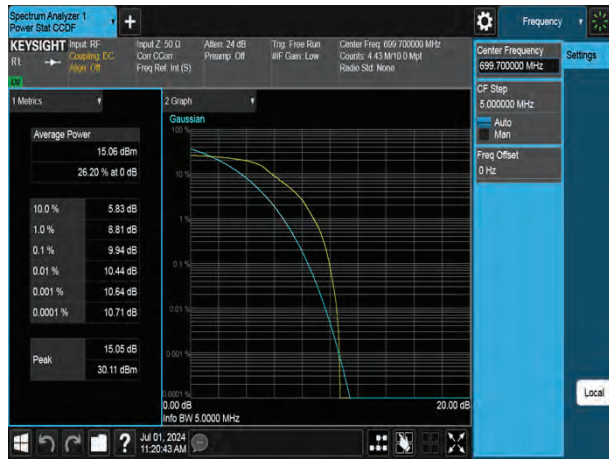
LTE FDD Band 12, Nominal Bandwidth: 3MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	10.12	13	Pass
	MCH	6	0	10.06	13	Pass
	HCH	6	0	10.01	13	Pass
16QAM	LCH	5	0	10.61	13	Pass
	MCH	5	0	10.66	13	Pass
	HCH	5	0	10.69	13	Pass

LTE FDD Band 12, Nominal Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.84	13	Pass
	MCH	6	0	9.73	13	Pass
	HCH	6	0	10.10	13	Pass
16QAM	LCH	5	0	10.73	13	Pass
	MCH	5	0	10.63	13	Pass
	HCH	5	0	10.71	13	Pass

LTE FDD Band 12, Nominal Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.91	13	Pass
	MCH	6	0	9.62	13	Pass
	HCH	6	0	9.91	13	Pass
16QAM	LCH	5	0	10.36	13	Pass
	MCH	5	0	10.30	13	Pass
	HCH	5	0	10.51	13	Pass

LTE FDD Band 12, Nominal Bandwidth: 1.4MHz

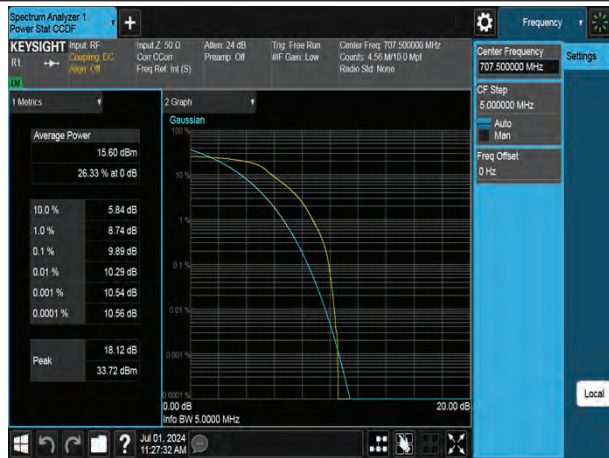
QPSK Low channel-6 RB offset 0



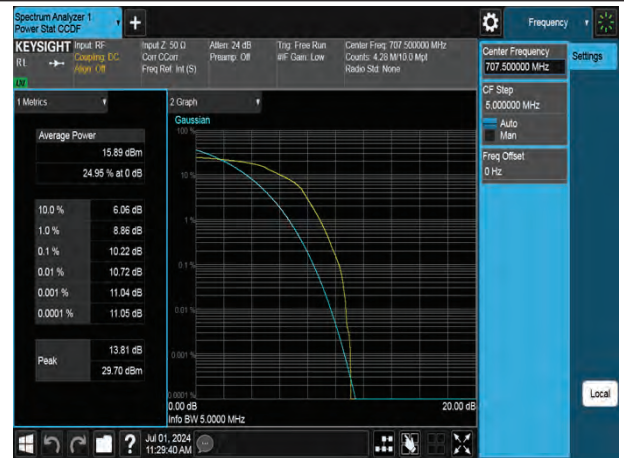
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

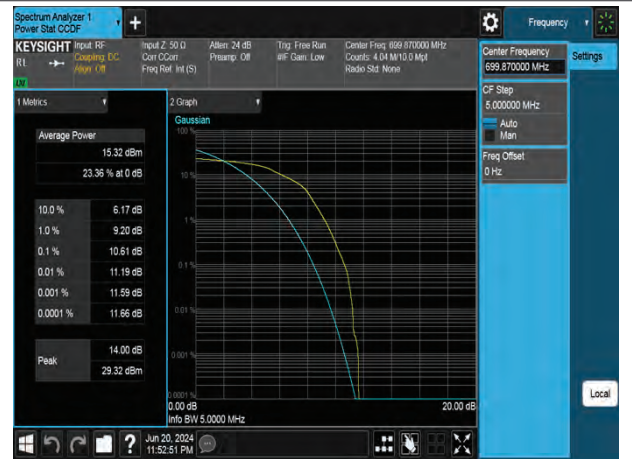


LTE FDD Band 12, Nominal Bandwidth: 3MHz

QPSK Low channel-6 RB offset 0



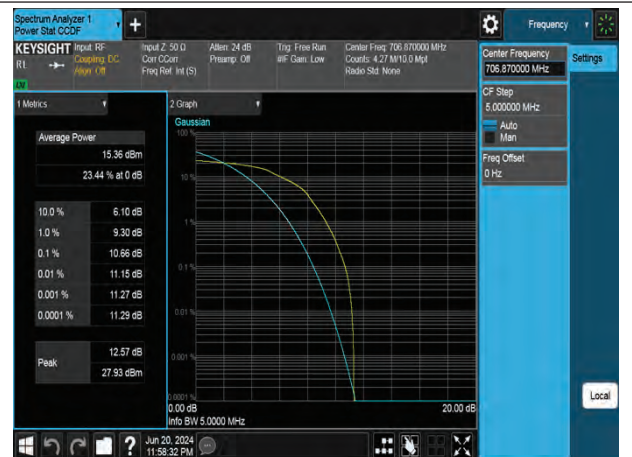
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0

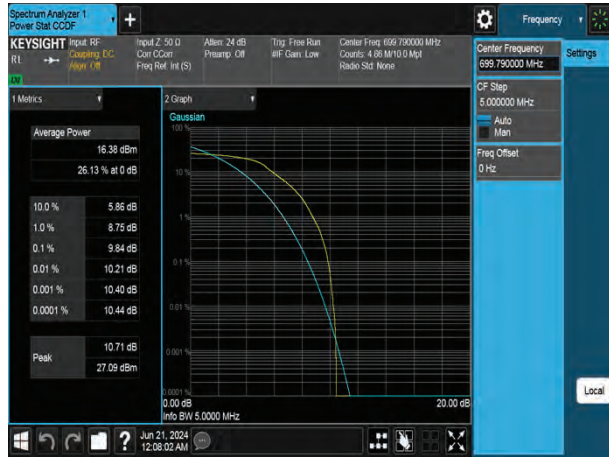


16QAM High channel-5 RB offset 0



LTE FDD Band 12, Nominal Bandwidth: 5MHz

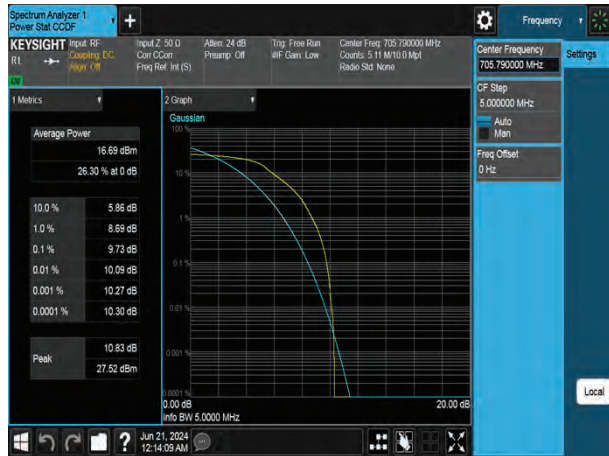
QPSK Low channel-6 RB offset 0



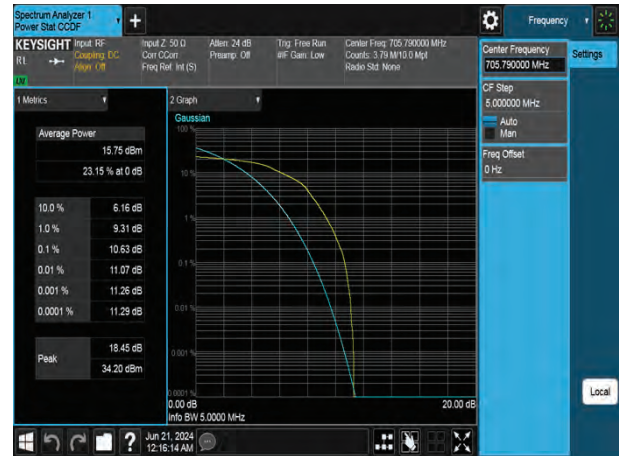
16QAM Low channel-5 RB offset 0



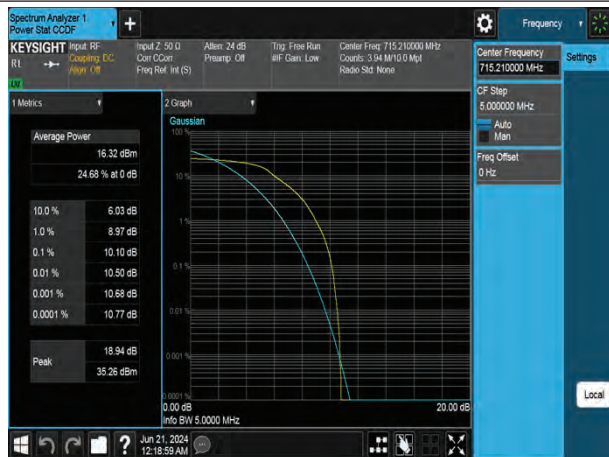
QPSK Middle channel-6 RB offset 0



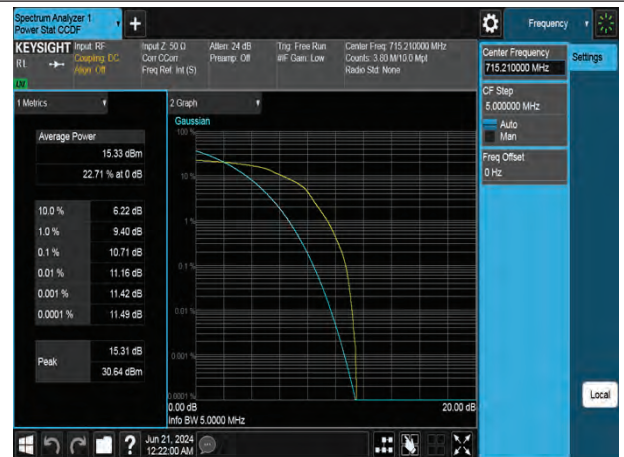
16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 12, Nominal Bandwidth: 10MHz

QPSK Low channel-6 RB offset 0



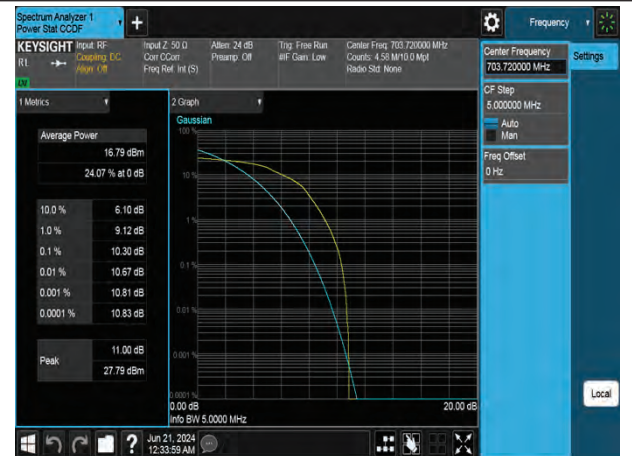
16QAM Low channel-5 RB offset 0



QPSK Middle channel-6 RB offset 0



16QAM Middle channel-5 RB offset 0



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0



LTE FDD Band 13, Nominal Bandwidth: 5MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	6	0	9.64	13	Pass
	MCH	6	0	9.73	13	Pass
	HCH	6	0	9.70	13	Pass
16QAM	LCH	5	0	10.40	13	Pass
	MCH	5	0	10.25	13	Pass
	HCH	5	0	10.09	13	Pass

LTE FDD Band 13, Nominal Bandwidth: 10MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	MCH	6	0	9.69	13	Pass
16QAM	MCH	5	0	10.20	13	Pass