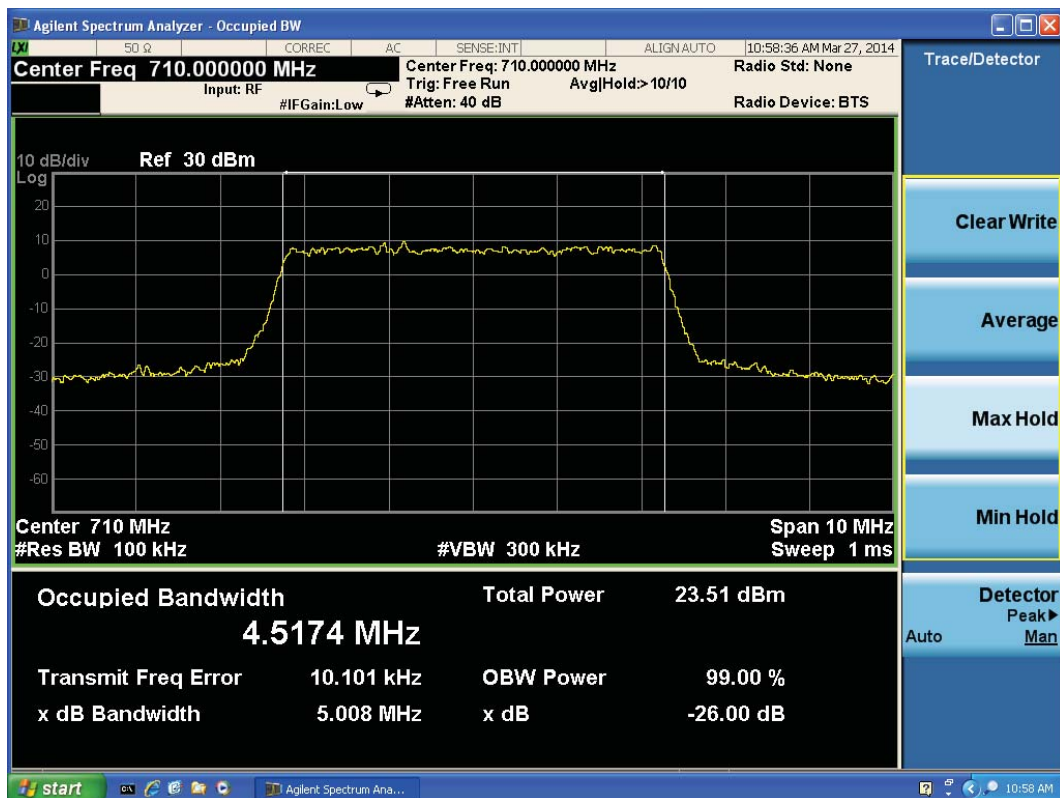


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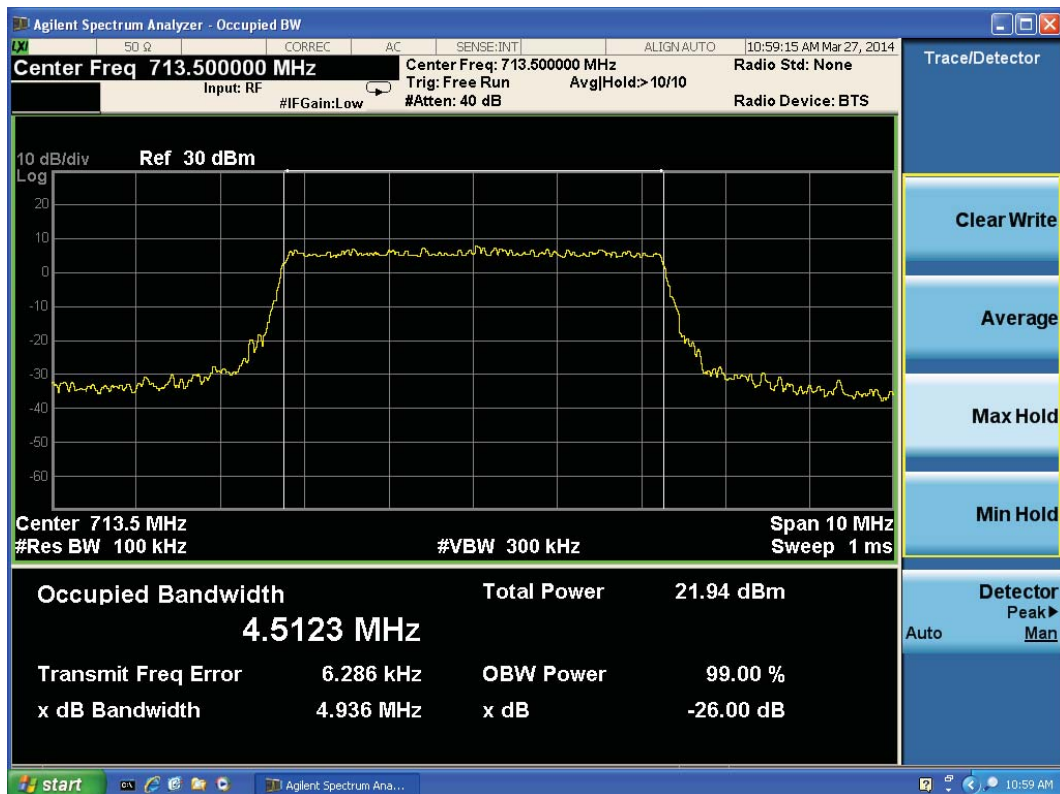
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LTE Band 17 QPSK Bandwidth = 5MHz CH23790 Occupied Bandwidth



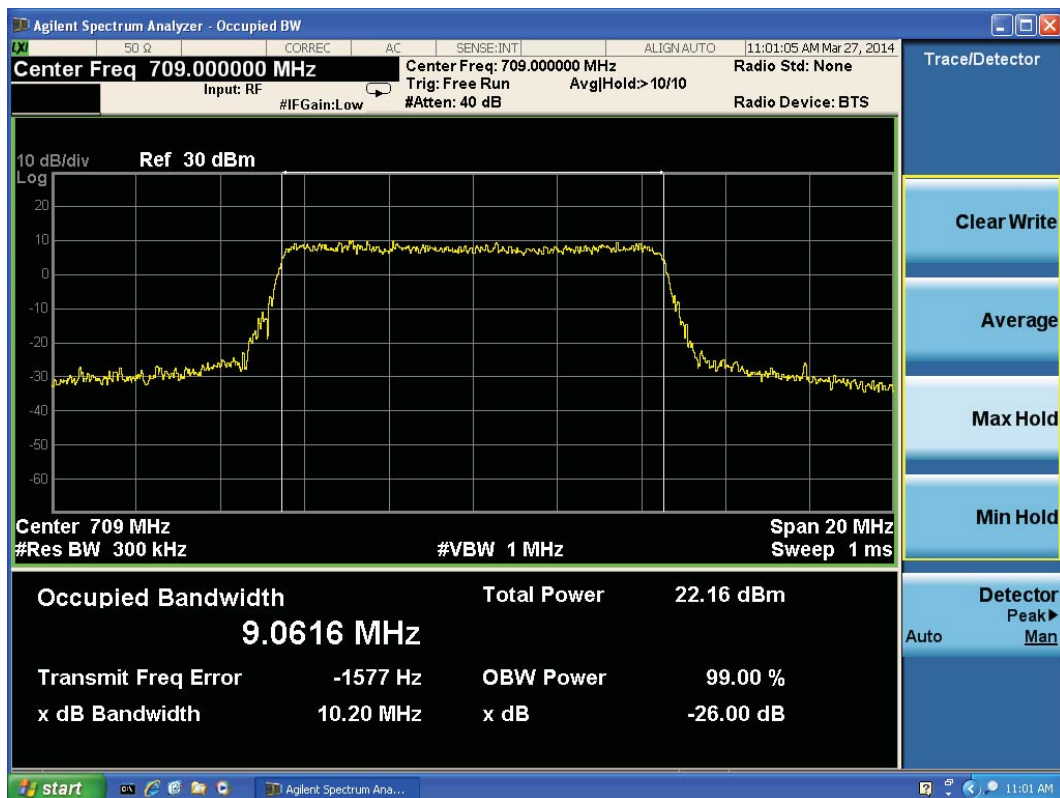
LTE Band 17 QPSK Bandwidth = 5MHz CH23825 Occupied Bandwidth

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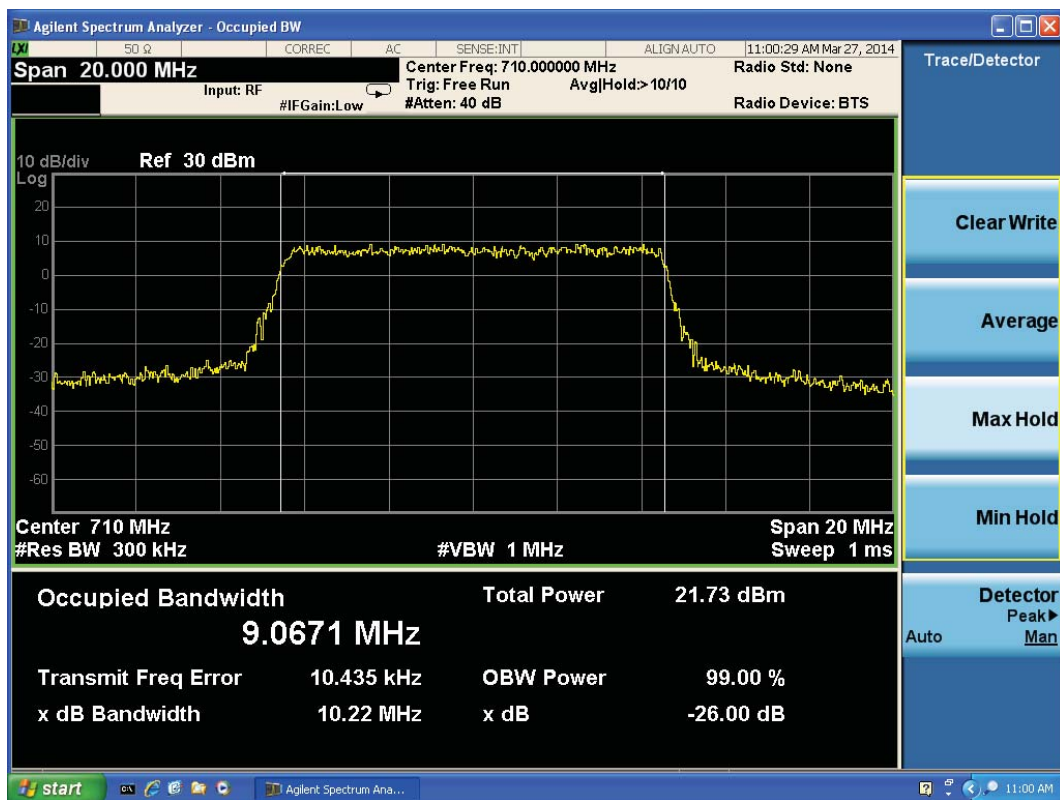
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LTE Band 17 QPSK Bandwidth = 10MHz CH23780 Occupied Bandwidth



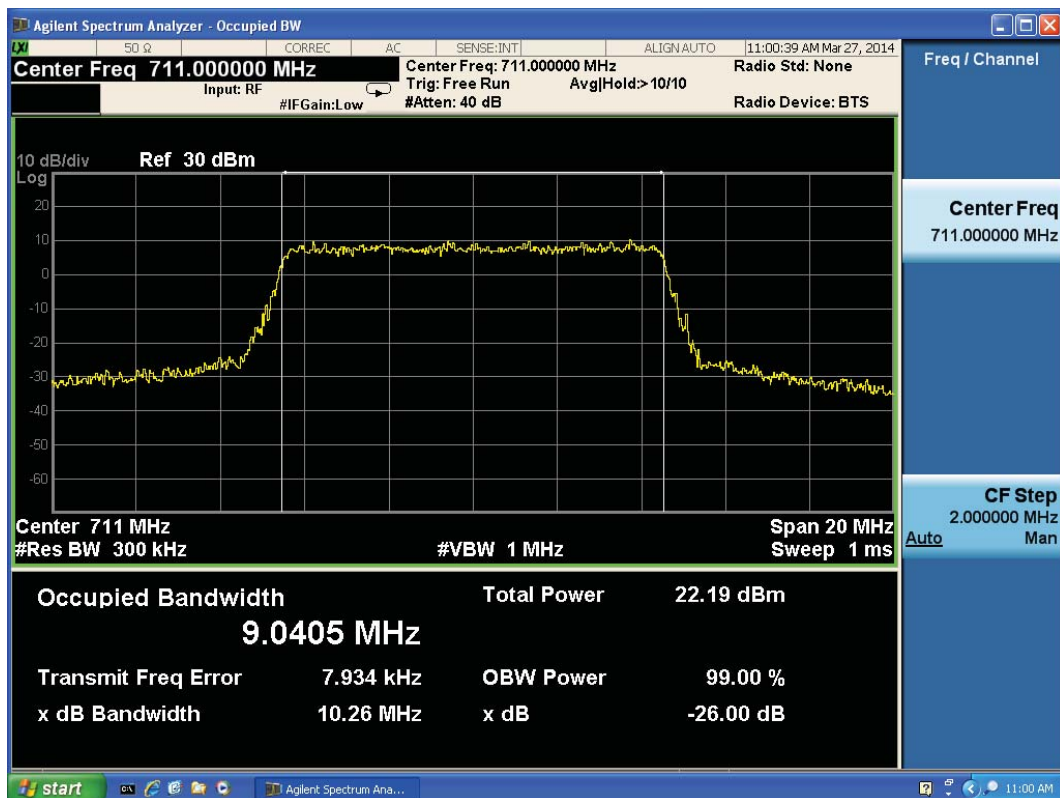
LTE Band 17 QPSK Bandwidth = 10MHz CH23790 Occupied Bandwidth

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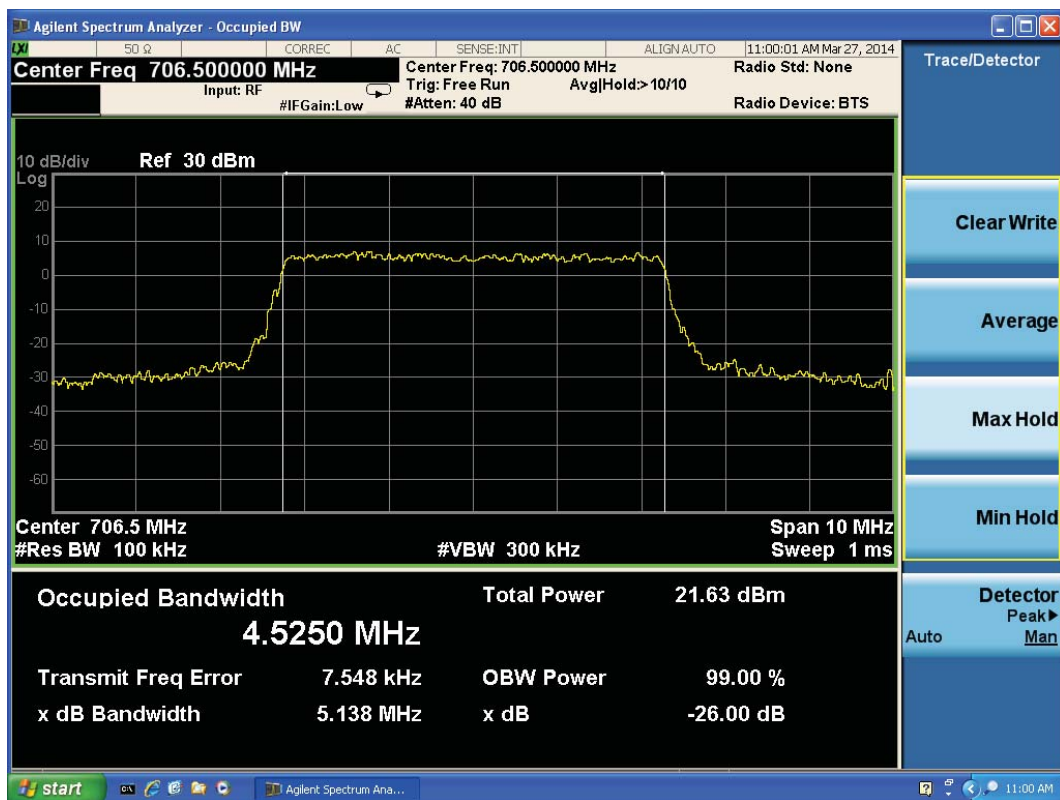
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LTE Band 17 QPSK Bandwidth = 10MHz CH20350 Occupied Bandwidth



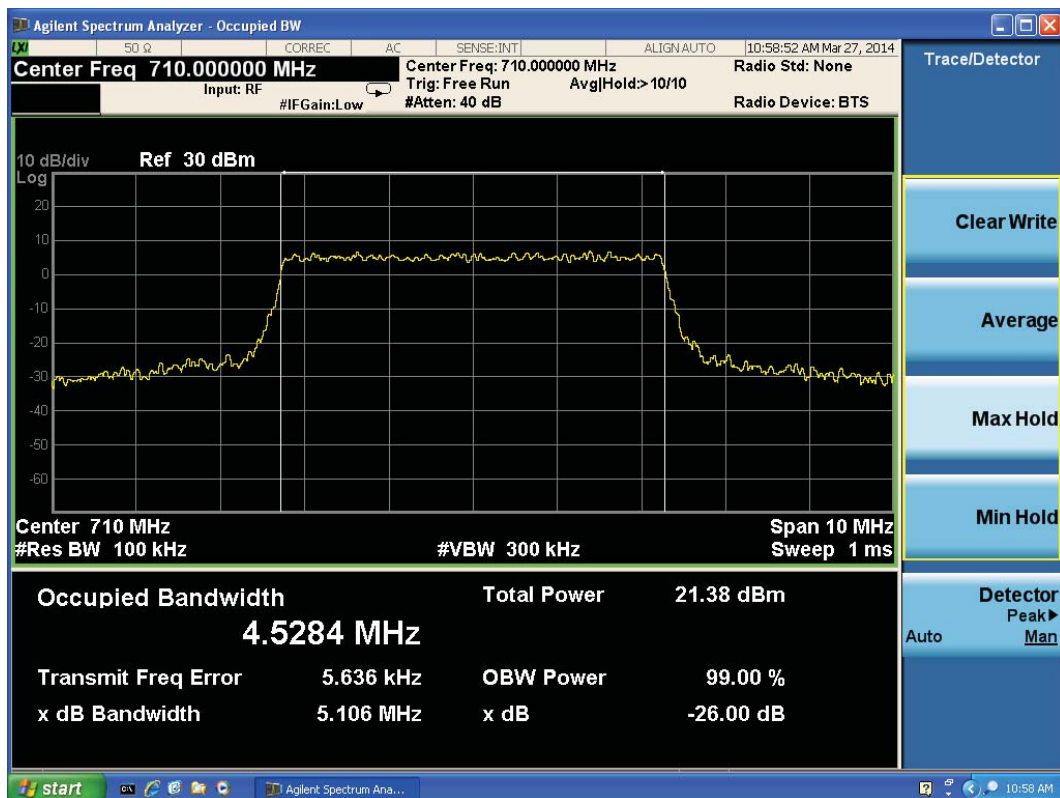
LTE Band 17 16QAM Bandwidth = 5MHz CH23755 Occupied Bandwidth

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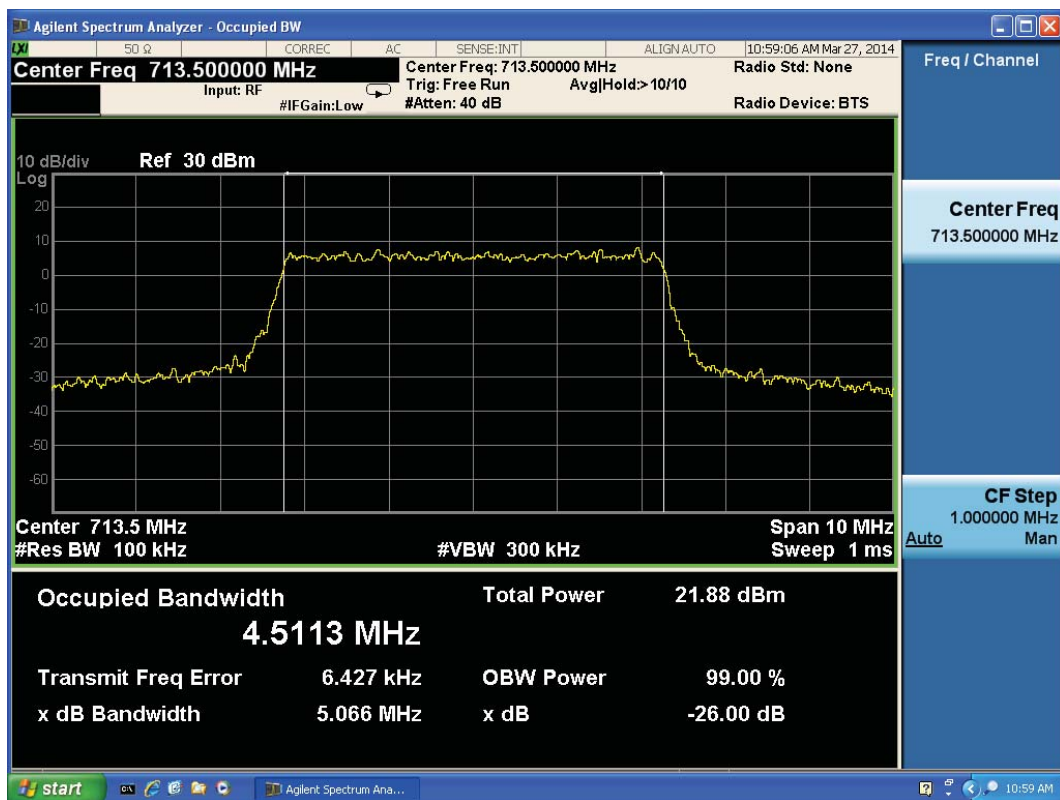
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LTE Band 17 16QAM Bandwidth = 5MHz CH23790 Occupied Bandwidth



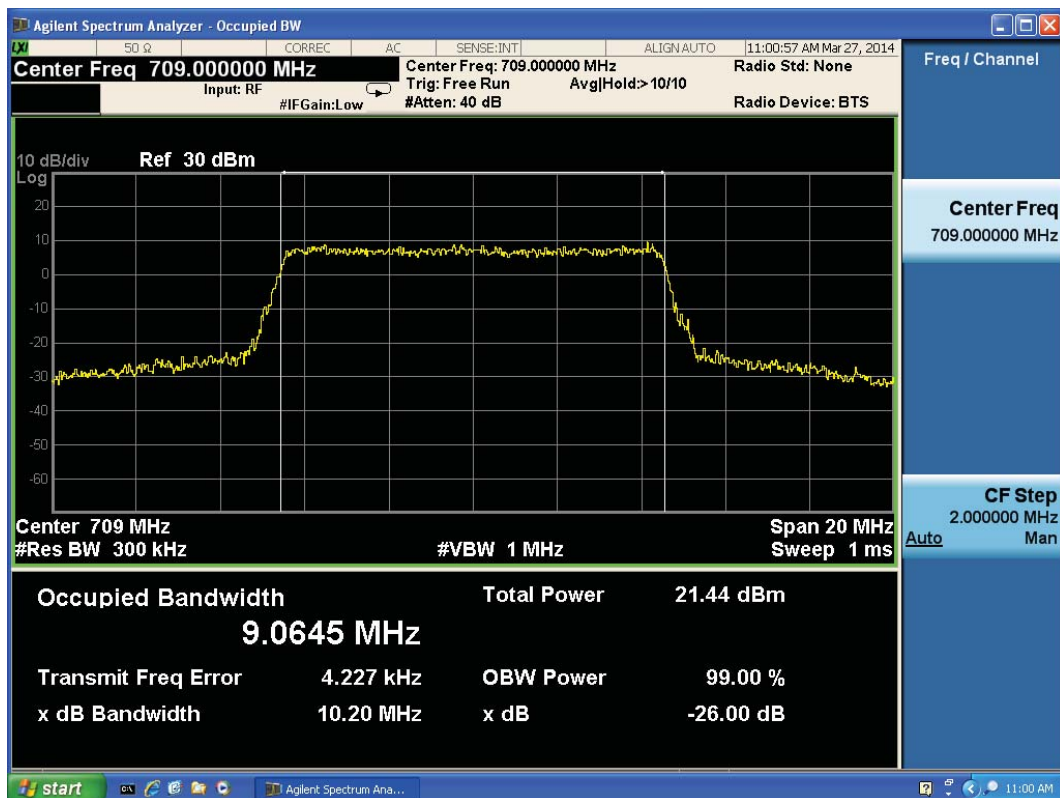
LTE Band 17 16QAM Bandwidth = 5MHz CH23825 Occupied Bandwidth

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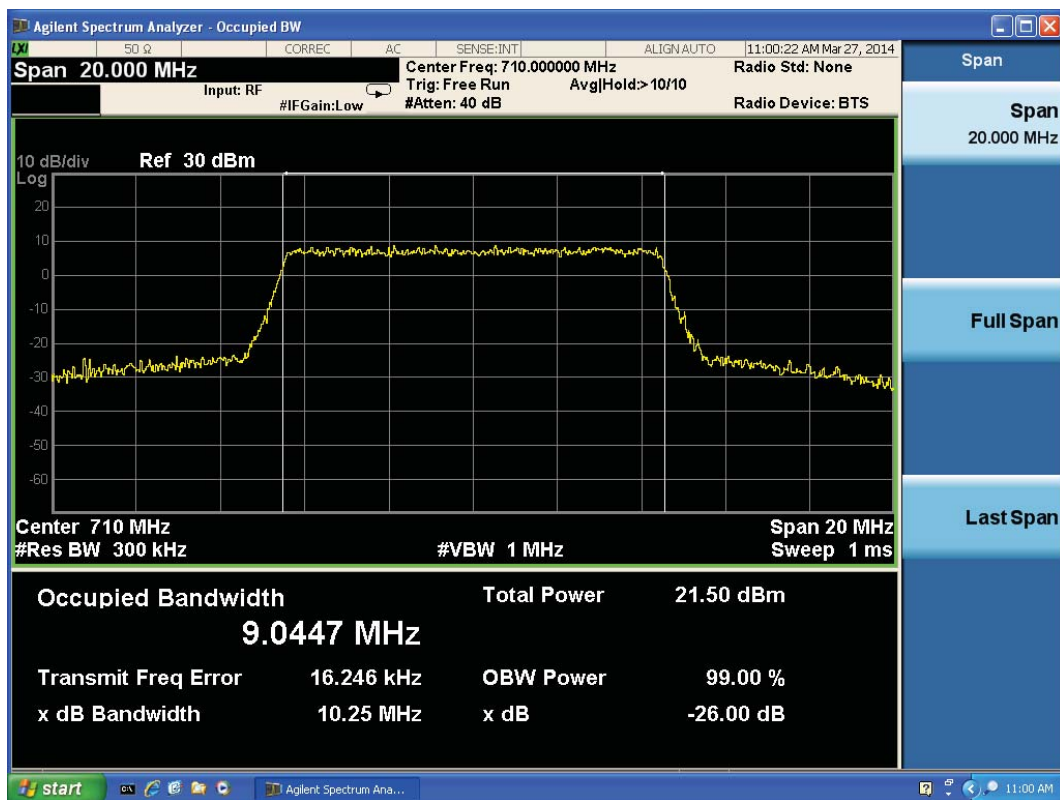
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LTE Band 17 16QAM Bandwidth = 10MHz CH23780 Occupied Bandwidth



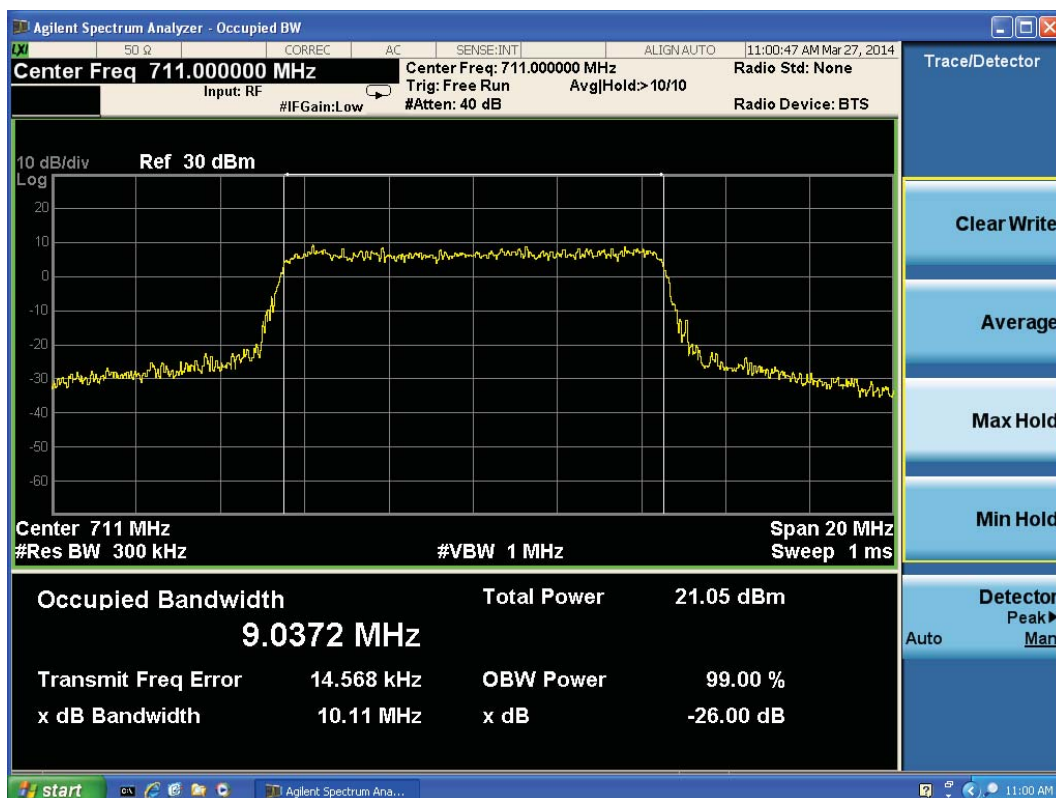
LTE Band 17 16QAM Bandwidth = 10MHz CH23790 Occupied Bandwidth

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LTE Band 17 16QAM Bandwidth = 10MHz CH20350 Occupied Bandwidth

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2.5. Band Edge Compliance

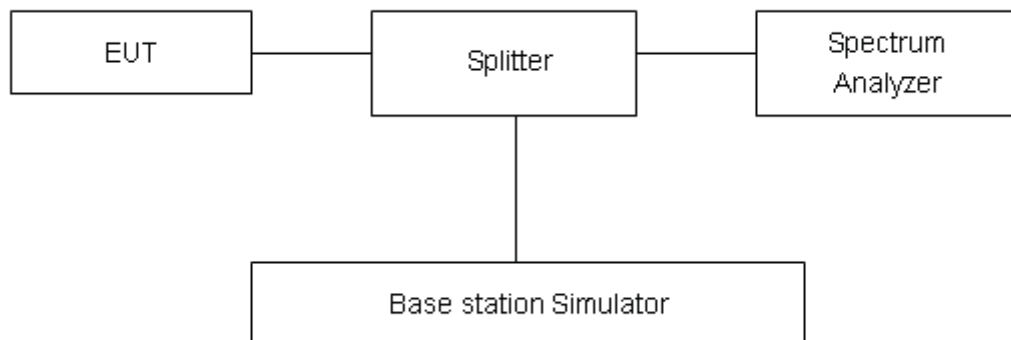
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured. The RBW is set larger than 1% of 26dB bandwidth. The Average detector is used. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

Rule Part 27.53(h) specifies that “the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10} (P)$ dB.”

Limit	-13 dBm
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U=0.684$ dB.

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Test Result:

LTE Band 4							
Bandwidth	Modulation	Channel	RB	RB Start	Reference value (dBm)	Limit(dBm)	Conclusion
1.4MHz	QPSK	CH19957	1	0	-16.766	-13	Pass
			3	0	-21.154	-13	Pass
			6	0	-24.323	-13	Pass
		CH20393	1	5	-17.673	-13	Pass
			3	3	-20.507	-13	Pass
			6	0	-24.270	-13	Pass
	16QAM	CH19957	1	0	-17.033	-13	Pass
			3	0	-21.658	-13	Pass
			6	0	-23.697	-13	Pass
		CH20393	1	5	-17.787	-13	Pass
			3	3	-21.194	-13	Pass
			6	0	-24.915	-13	Pass
3MHz	QPSK	CH19965	1	0	-13.815	-13	Pass
			8	0	-20.989	-13	Pass
			15	0	-24.384	-13	Pass
		CH20385	1	14	-13.276	-13	Pass
			8	7	-21.809	-13	Pass
			15	0	-24.264	-13	Pass
	16QAM	CH19965	1	0	-13.489	-13	Pass
			8	0	-21.738	-13	Pass
			15	0	-24.058	-13	Pass
		CH20385	1	14	-13.397	-13	Pass
			8	7	-21.531	-13	Pass
			15	0	-24.425	-13	Pass
5MHz	QPSK	CH19975	1	0	-13.744	-13	Pass
			12	0	-21.154	-13	Pass
			25	0	-24.323	-13	Pass
		CH20375	1	24	-15.212	-13	Pass
			12	13	-20.507	-13	Pass
			25	0	-24.270	-13	Pass
	16QAM	CH19975	1	0	-15.810	-13	Pass
			12	0	-24.218	-13	Pass
			25	0	-27.420	-13	Pass
		CH20375	1	24	-13.917	-13	Pass
			12	13	-24.219	-13	Pass
			25	0	-28.934	-13	Pass
10MHz	QPSK	CH20000	1	0	-16.932	-13	Pass
			25	0	-27.165	-13	Pass
			50	0	-29.625	-13	Pass

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		CH20350	1	49	-16.685	-13	Pass
			25	25	-27.532	-13	Pass
			50	0	-29.625	-13	Pass
	16QAM	CH20000	1	0	-16.591	-13	Pass
			25	0	-27.607	-13	Pass
			50	0	-29.097	-13	Pass
		CH20350	1	49	-18.223	-13	Pass
			25	25	-27.607	-13	Pass
			50	0	-29.476	-13	Pass
15MHz	QPSK	CH20025	1	0	-14.767	-13	Pass
			38	0	-25.938	-13	Pass
			75	0	-28.615	-13	Pass
		CH20325	1	74	-15.912	-13	Pass
			38	37	-27.686	-13	Pass
			75	0	-28.300	-13	Pass
	16QAM	CH20025	1	0	-15.378	-13	Pass
			38	0	-26.150	-13	Pass
			75	0	-30.293	-13	Pass
		CH20325	1	74	-16.605	-13	Pass
			38	37	-27.139	-13	Pass
			75	0	-28.595	-13	Pass
20MHz	QPSK	CH20050	1	0	-20.698	-13	Pass
			50	0	-29.415	-13	Pass
			100	0	-30.529	-13	Pass
		CH20300	1	99	-20.028	-13	Pass
			50	49	-30.758	-13	Pass
			100	0	-30.253	-13	Pass
	16QAM	CH20050	1	0	-21.771	-13	Pass
			50	0	-29.671	-13	Pass
			100	0	-31.544	-13	Pass
		CH20300	1	99	-22.080	-13	Pass
			50	49	-29.488	-13	Pass
			100	0	-30.059	-13	Pass

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LTE Band 4 QPSK Bandwidth = 1.4MHz CH19957,RB 1



LTE Band 4 QPSK Bandwidth = 1.4MHz CH19957,RB 3

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LTE Band 4 QPSK Bandwidth = 1.4MHz CH19957,RB 6



LTE Band 4 QPSK Bandwidth = 1.4MHz CH20393,RB 1

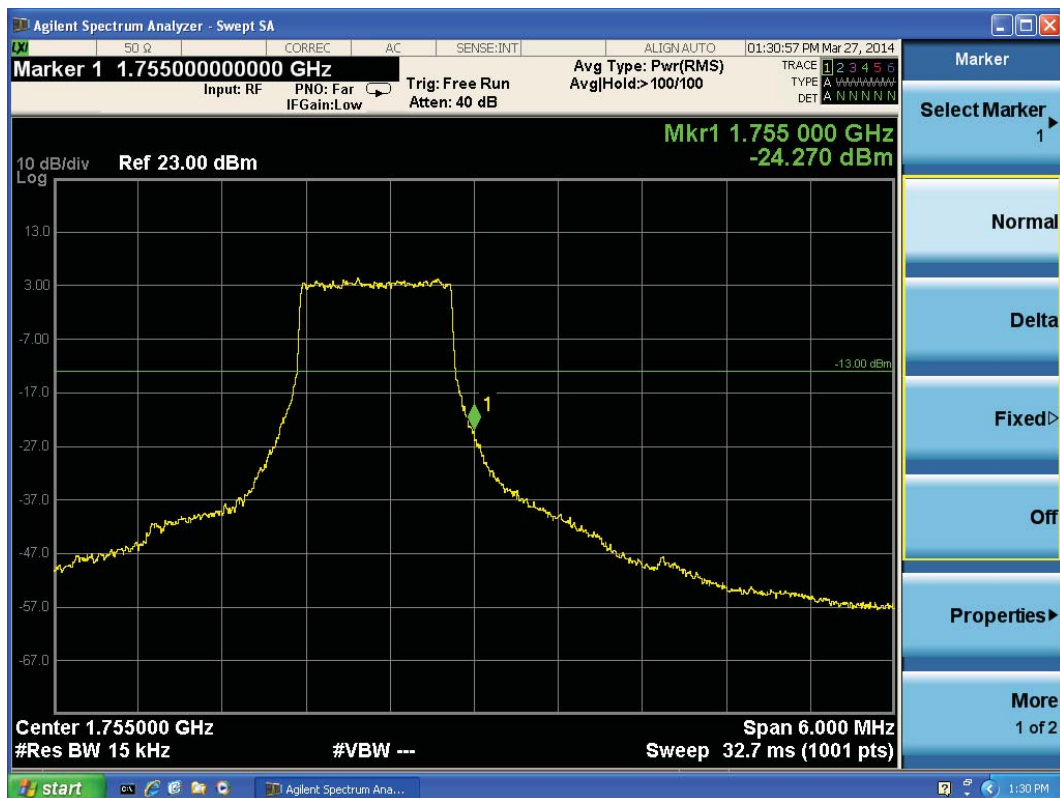
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LTE Band 4 QPSK Bandwidth = 1.4MHz CH20393,RB 3

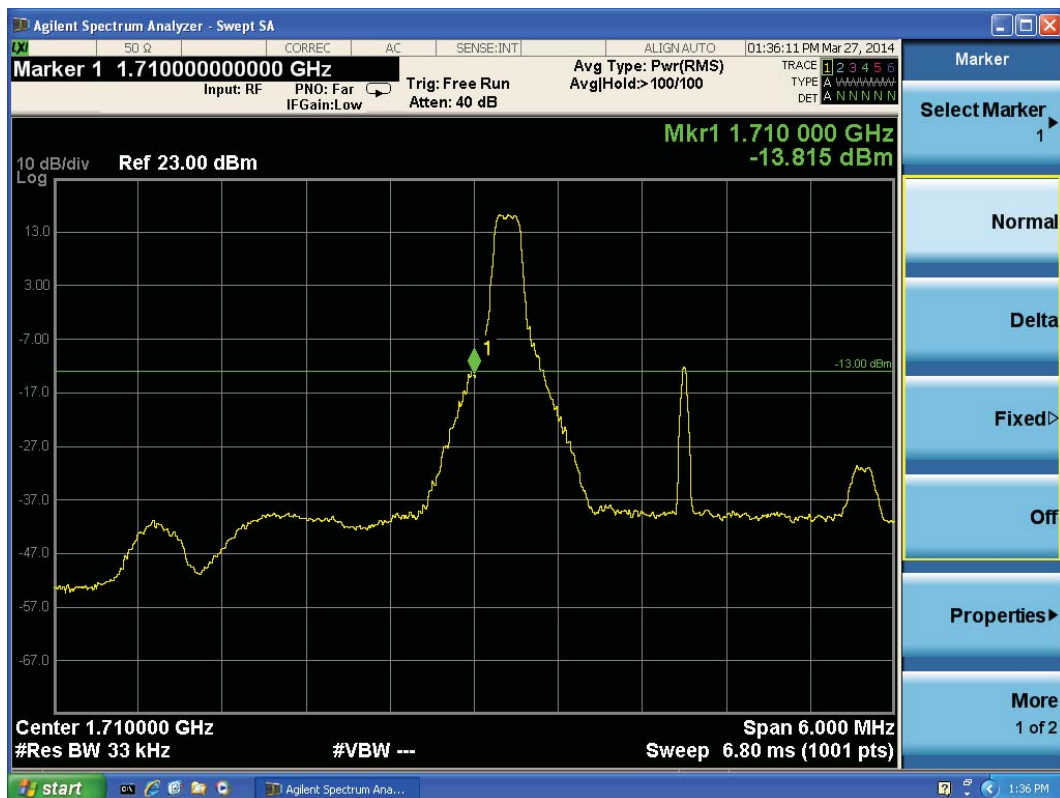


LTE Band 4 QPSK Bandwidth = 1.4MHz CH20393,RB 6

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LTE Band 4 QPSK Bandwidth = 3MHz CH19965, RB 1

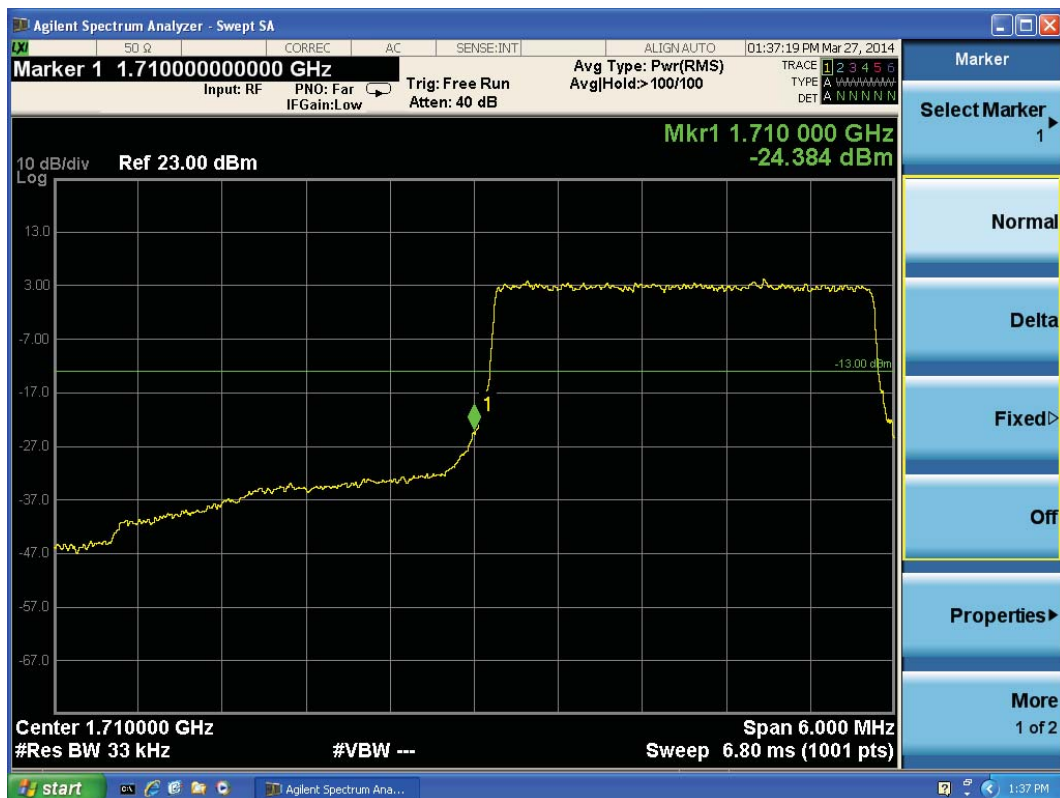


LTE Band 4 QPSK Bandwidth = 3MHz CH19965, RB 8

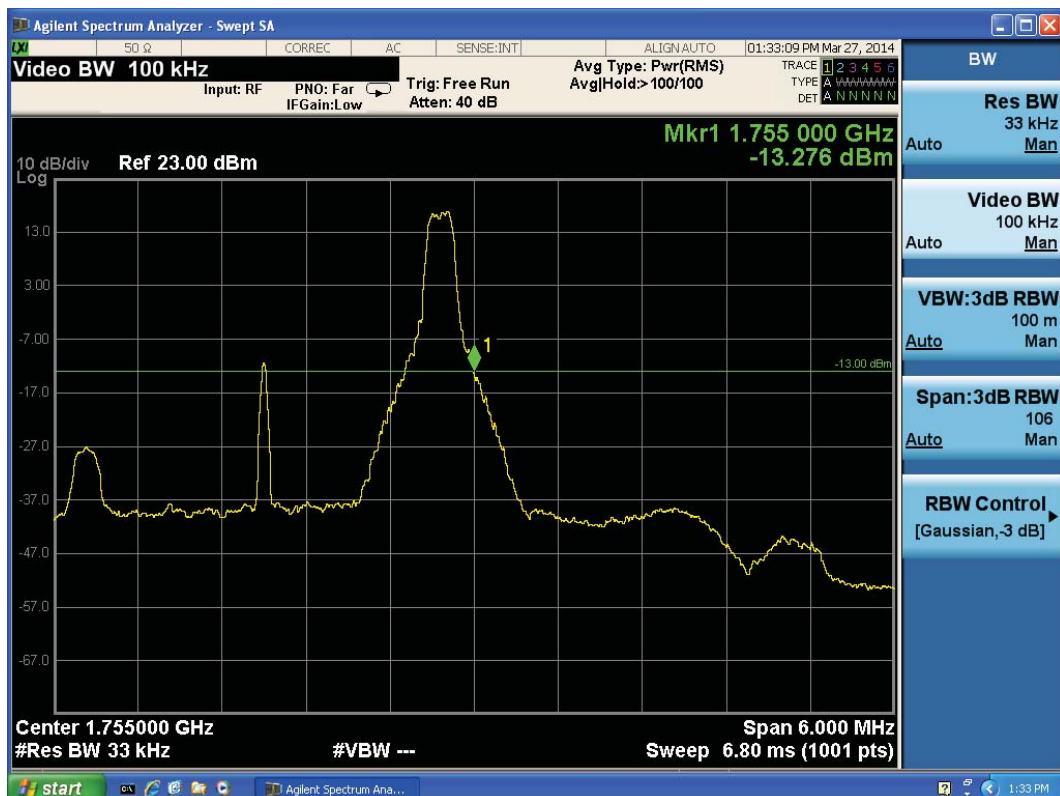
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LTE Band 4 QPSK Bandwidth = 3MHz CH19965,RB 15



LTE Band 4 QPSK Bandwidth = 3MHz CH20385,RB 1

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LTE Band 4 QPSK Bandwidth = 3MHz CH20385, RB 8



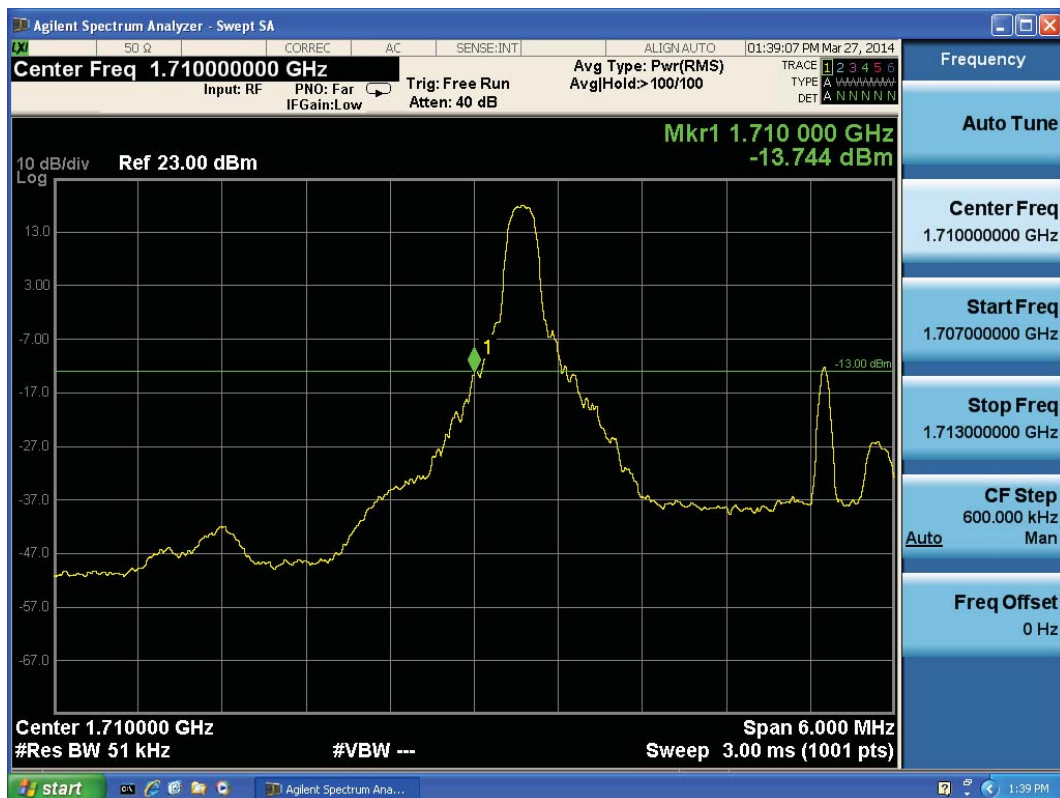
LTE Band 4 QPSK Bandwidth = 3MHz CH20385, RB 15

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LTE Band 4 QPSK Bandwidth = 5MHz CH19975,RB 1



LTE Band 4 QPSK Bandwidth = 5MHz CH19975,RB 12

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LTE Band 4 QPSK Bandwidth = 5MHz CH19975, RB 25



LTE Band 4 QPSK Bandwidth = 5MHz CH20375, RB 1

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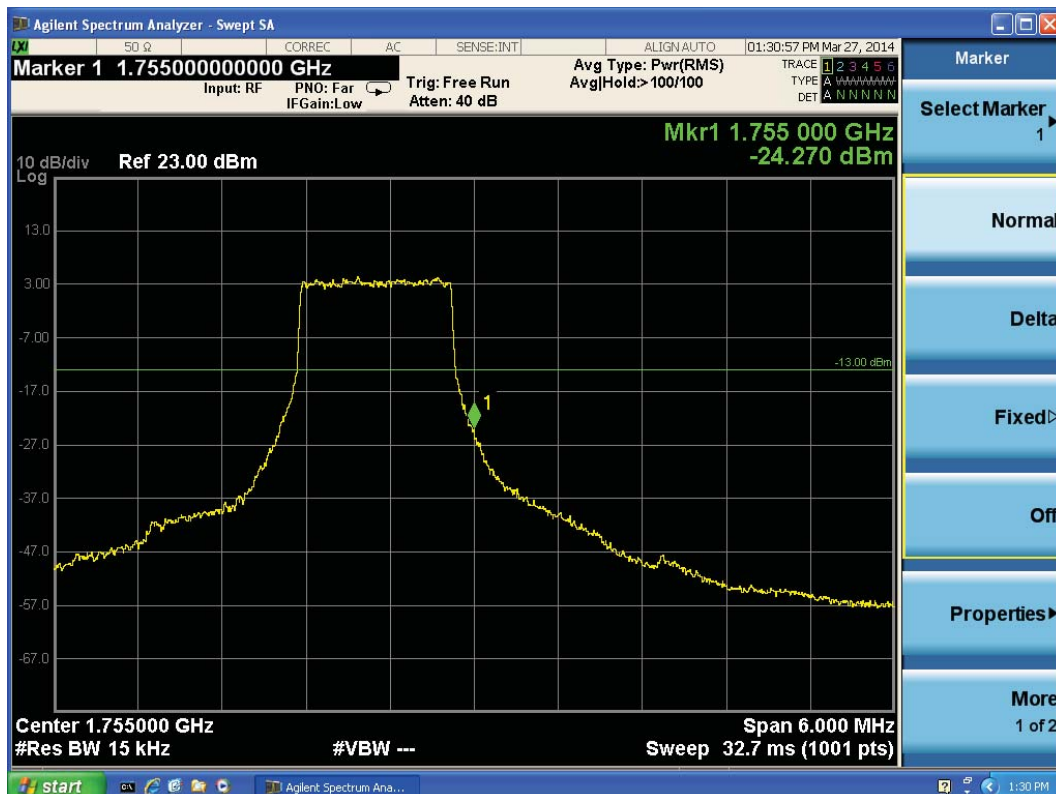
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LTE Band 4 QPSK Bandwidth = 5MHz CH20375,RB 12



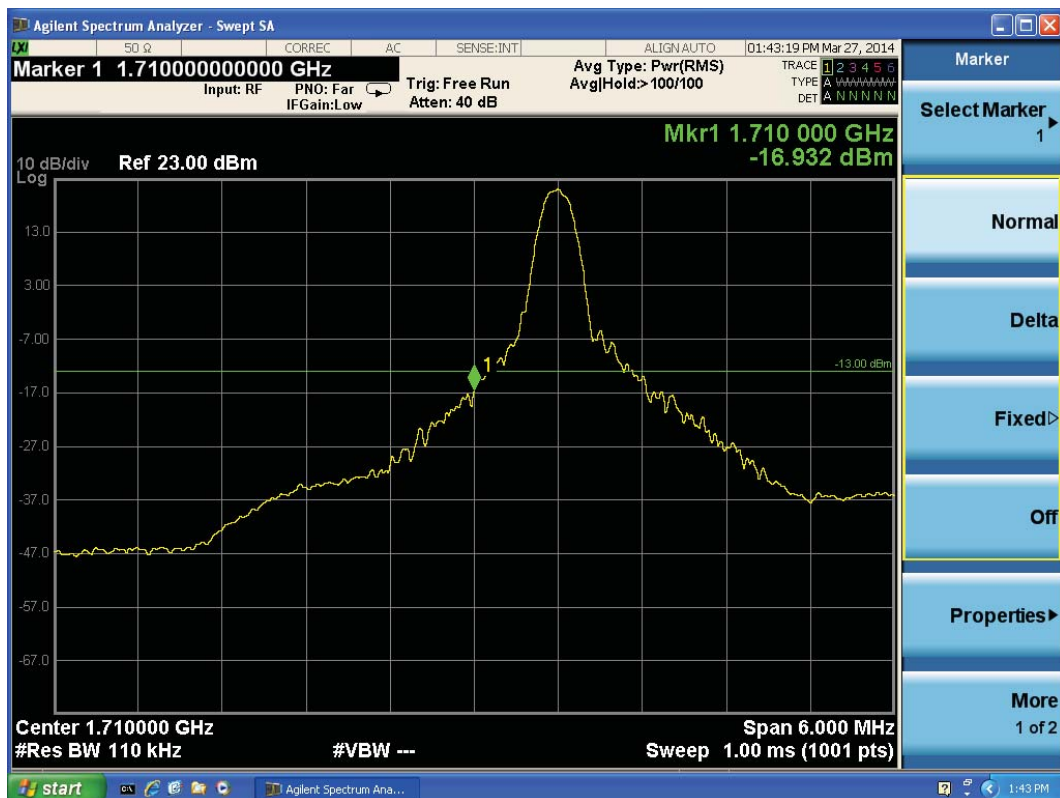
LTE Band 4 QPSK Bandwidth = 5MHz CH20375,RB 25

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LTE Band 4 QPSK Bandwidth = 10MHz CH20000,RB 1



LTE Band 4 QPSK Bandwidth = 10MHz CH20000,RB 25

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LTE Band 4 QPSK Bandwidth = 10MHz CH20000,RB 50



LTE Band 4 QPSK Bandwidth = 10MHz CH20350,RB 1