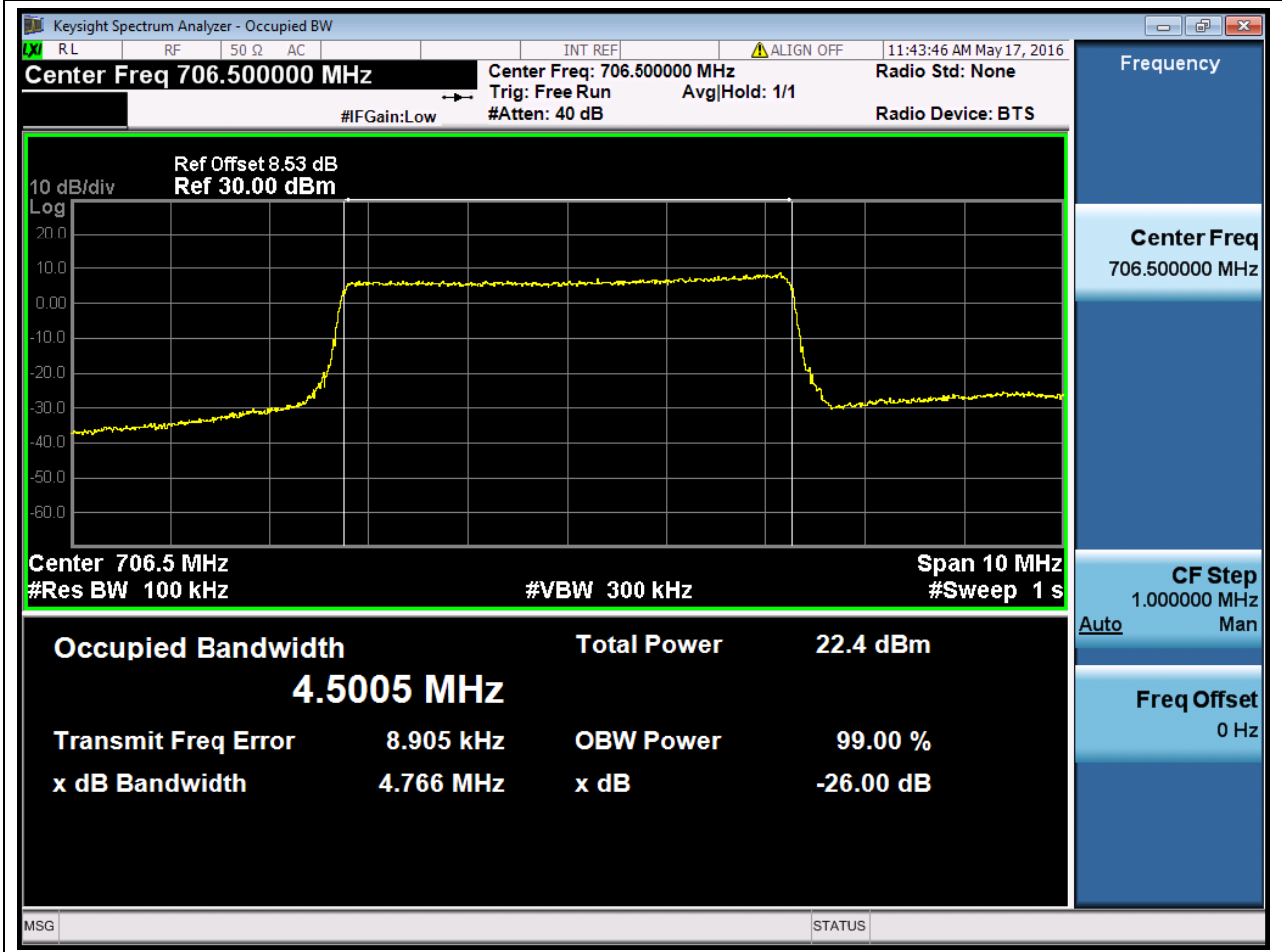# Annex C. LTE Transmitter Occupied Bandwidth(SA)
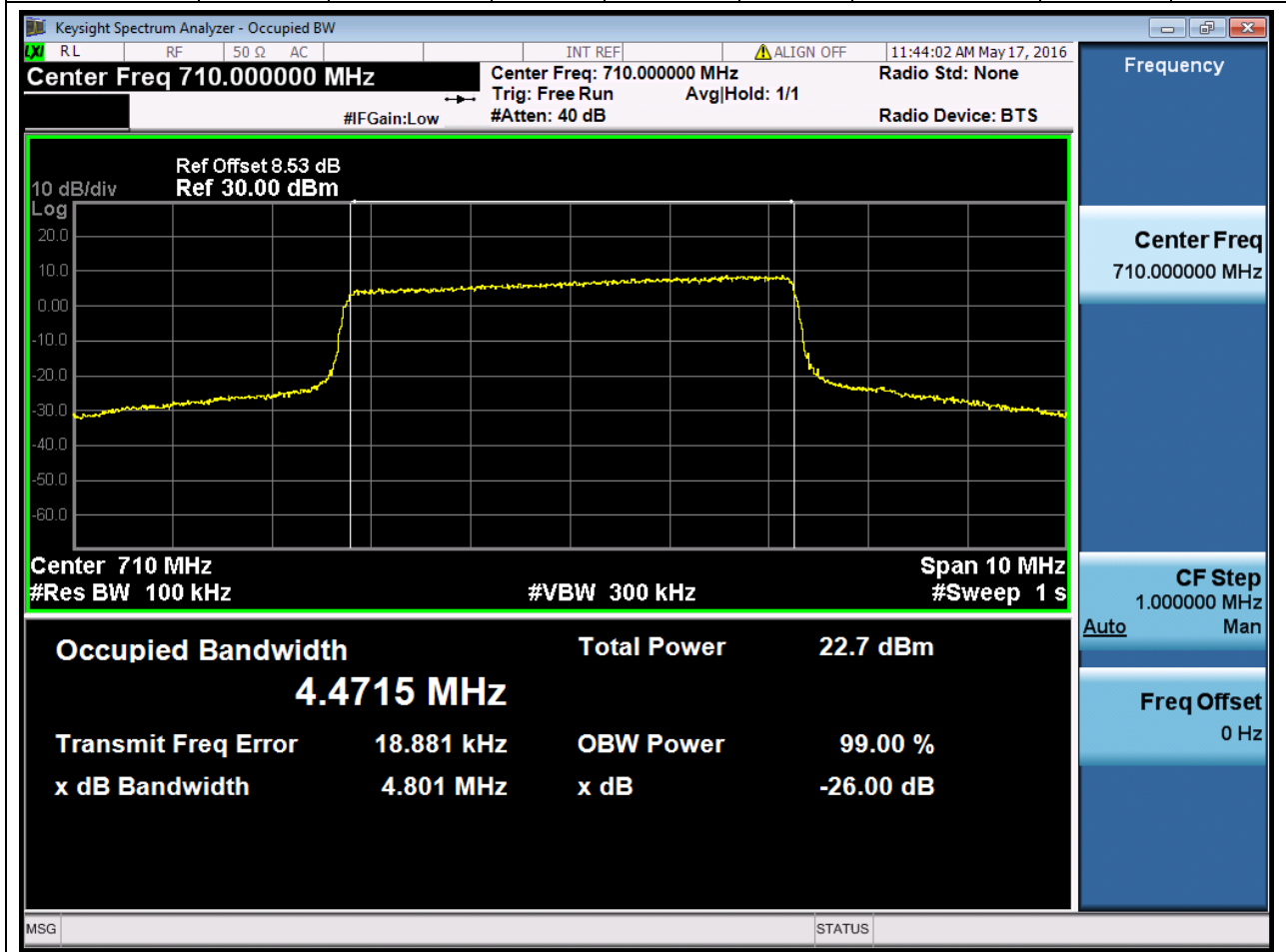
1. LTE_Band17

1.1. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:1, Channel:23755, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	RMS	4.5	4.77	5	Pass

Keysight Spectrum Analyzer - Occupied BW

| R L | RF | 50 Ω | AC | | | INT REF | ⚠ ALIGN OFF | 11:43:46 AM May 17, 2016 | Frequency |

Center Freq 706.500000 MHz
Center Freq: 706.500000 MHz   Radio Std: None
Trig: Free Run   Avg|Hold: 1/1
#IFGain:Low   #Atten: 40 dB   Radio Device: BTS

Ref Offset 8.53 dB
10 dB/div   Ref 30.00 dBm
Log
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

Center 706.5 MHz   Span 10 MHz
#Res BW 100 kHz   #VBW 300 kHz   #Sweep 1 s

Center Freq 706.500000 MHz

CF Step 1.000000 MHz
Auto   Man

Freq Offset 0 Hz

Occupied Bandwidth   Total Power   22.4 dBm
4.5005 MHz

Transmit Freq Error   8.905 kHz   OBW Power   99.00 %
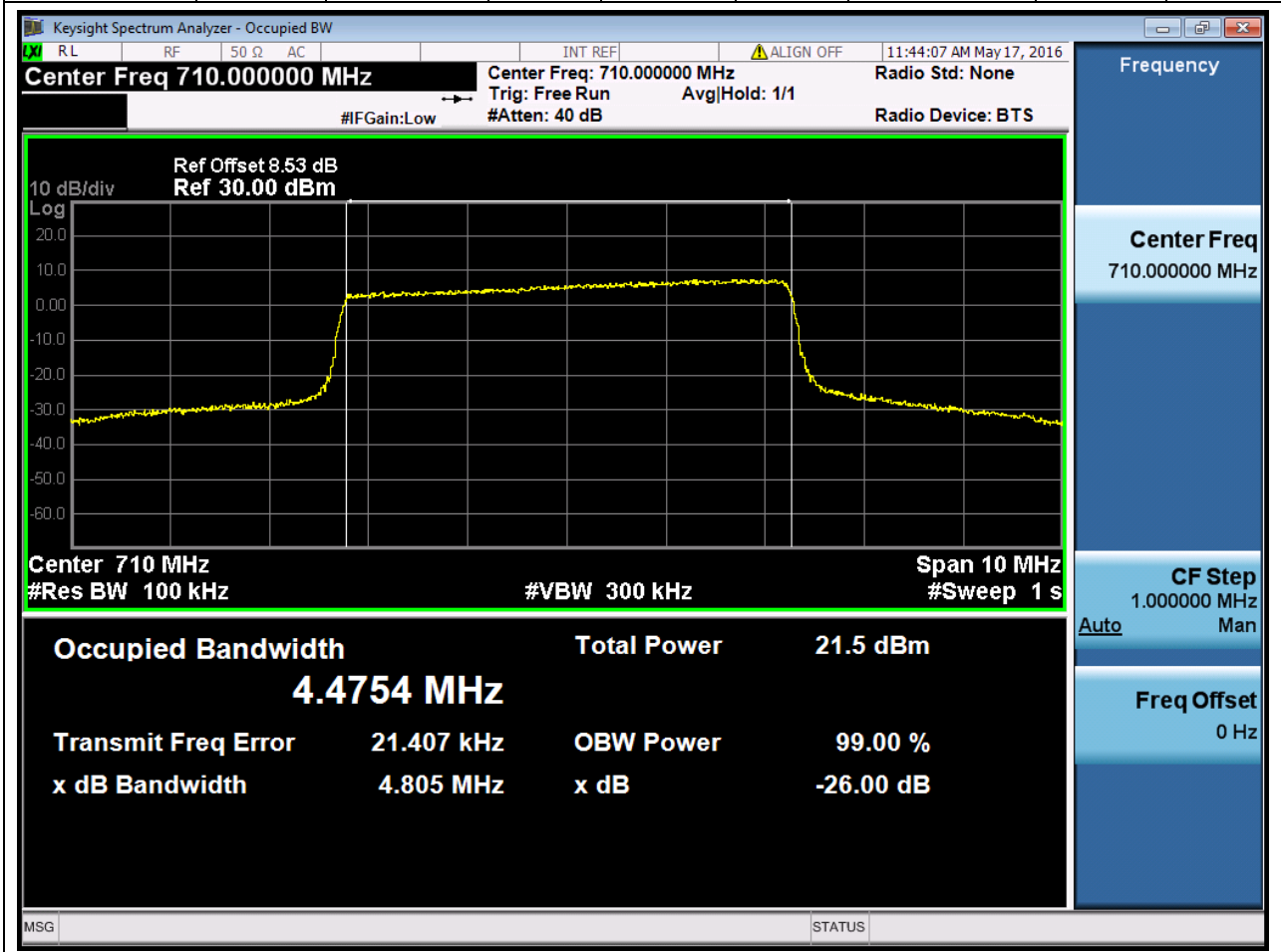x dB Bandwidth   4.766 MHz   x dB   -26.00 dB

MSG   STATUS

1.2. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:2, Channel:23755, Bandwidth:5, Modulation:16QAM, RB Number: 25, RB Position:LOW)

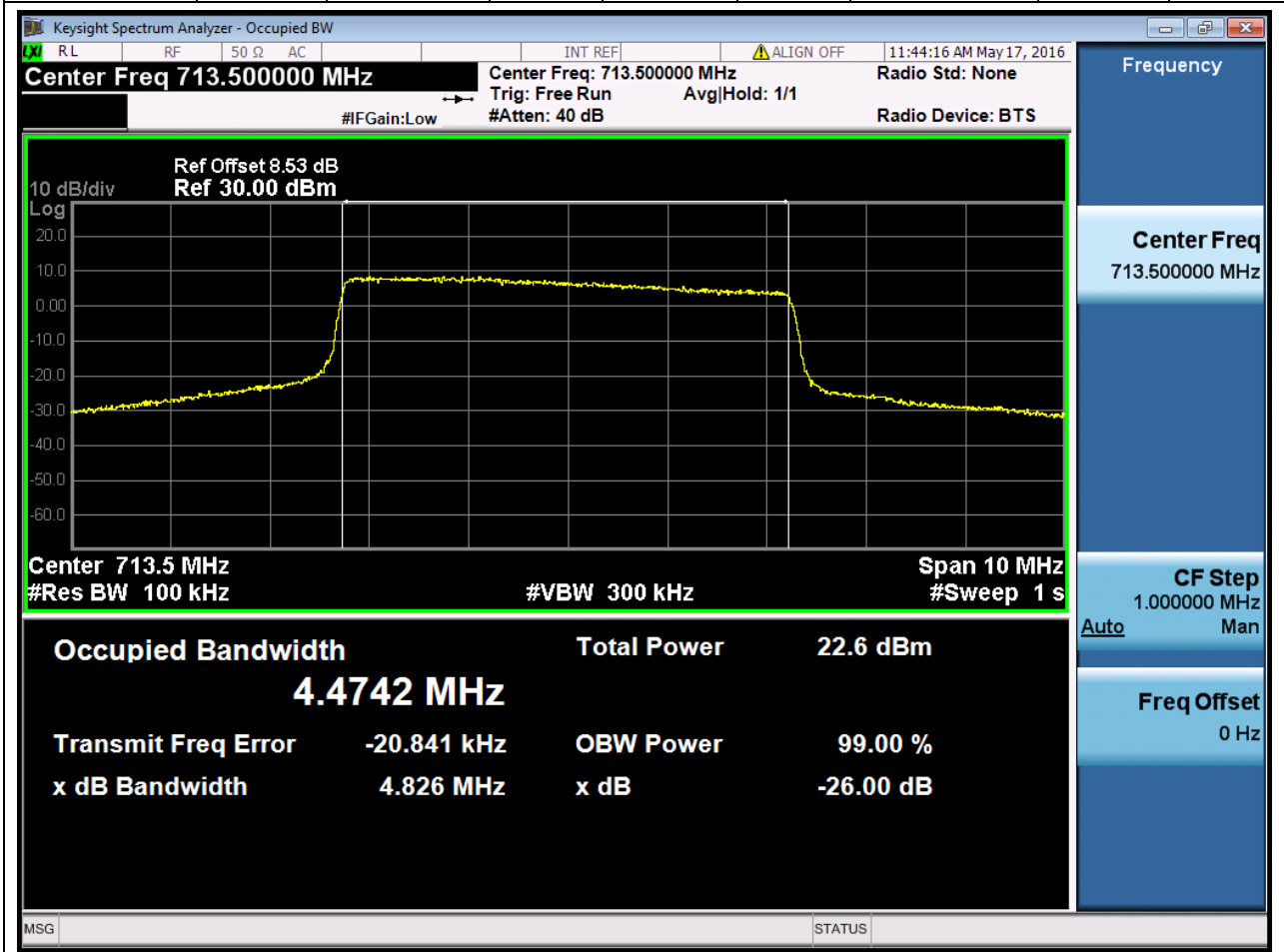| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
706.5	99	26	0.1	RMS	4.5	4.81	5	Pass

1.3. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:3, Channel:23790, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	RMS	4.47	4.8	5	Pass

1.4. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:4, Channel:23790, Bandwidth:5, Modulation:16QAM, RB Number: 25, RB Position:LOW)

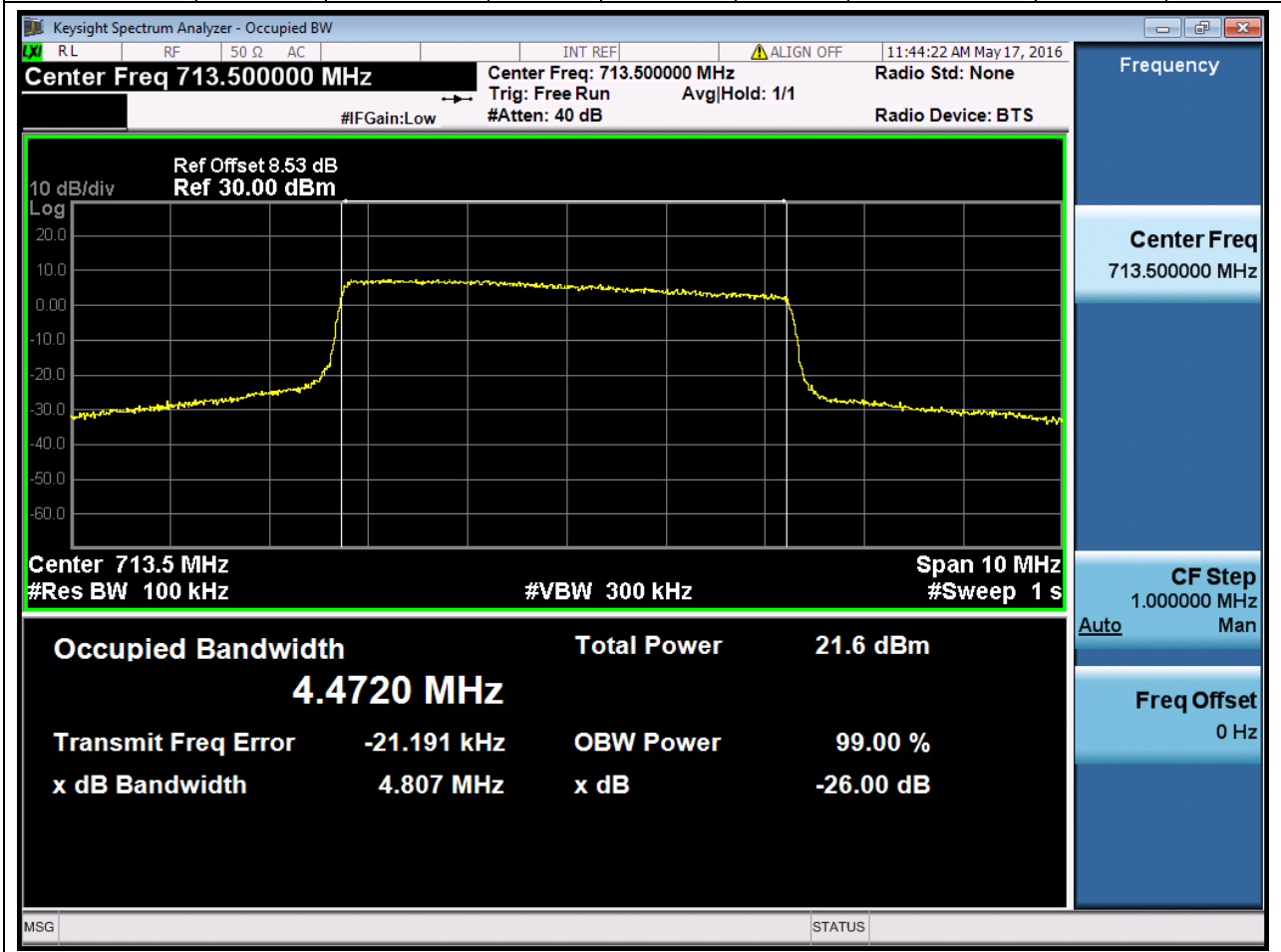| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	RMS	4.48	4.8	5	Pass

1.5. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:5, Channel:23825, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

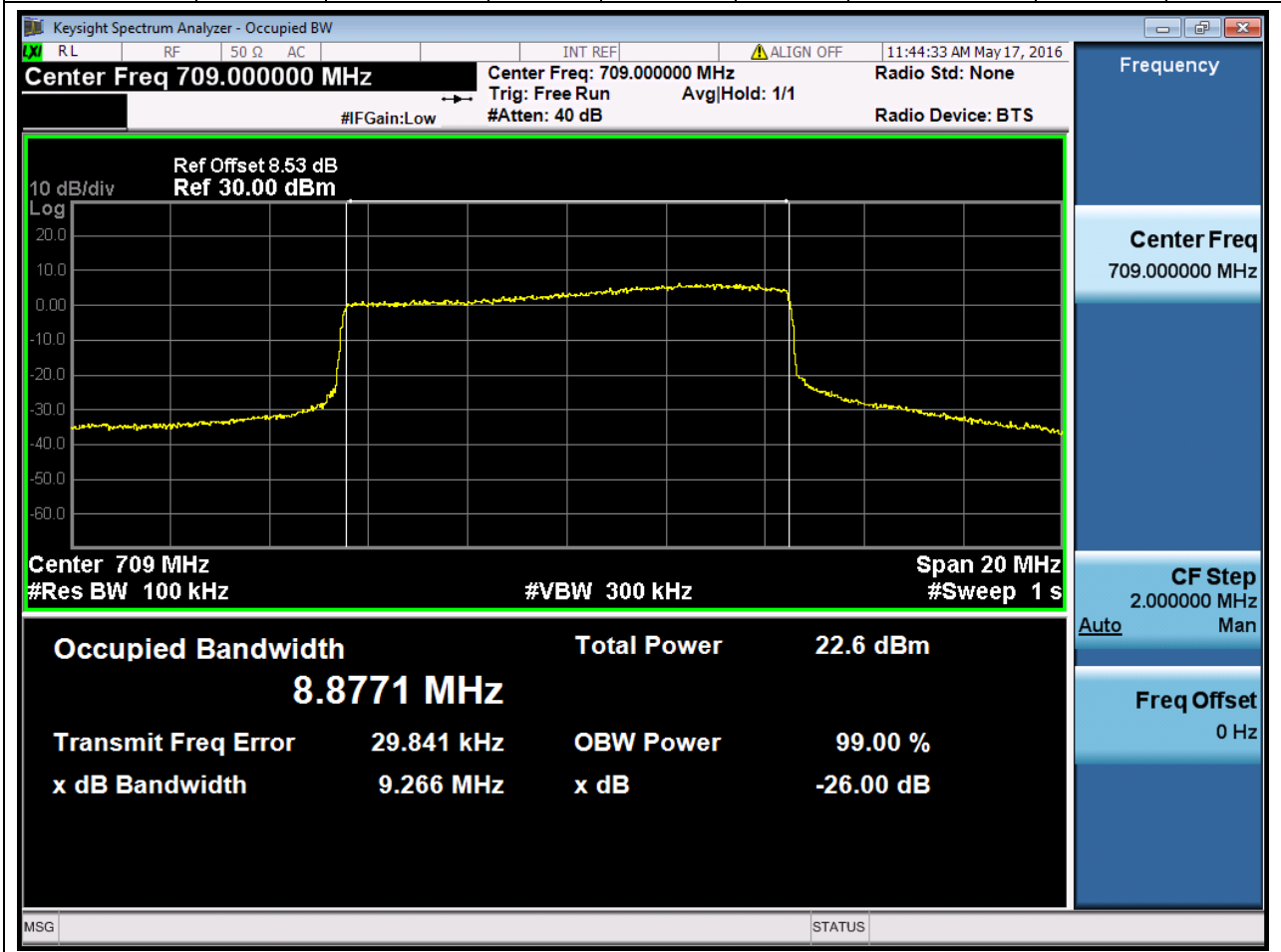| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	RMS	4.47	4.83	5	Pass

1.6. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:6, Channel:23825, Bandwidth:5, Modulation:16QAM, RB Number: 25, RB Position:LOW)

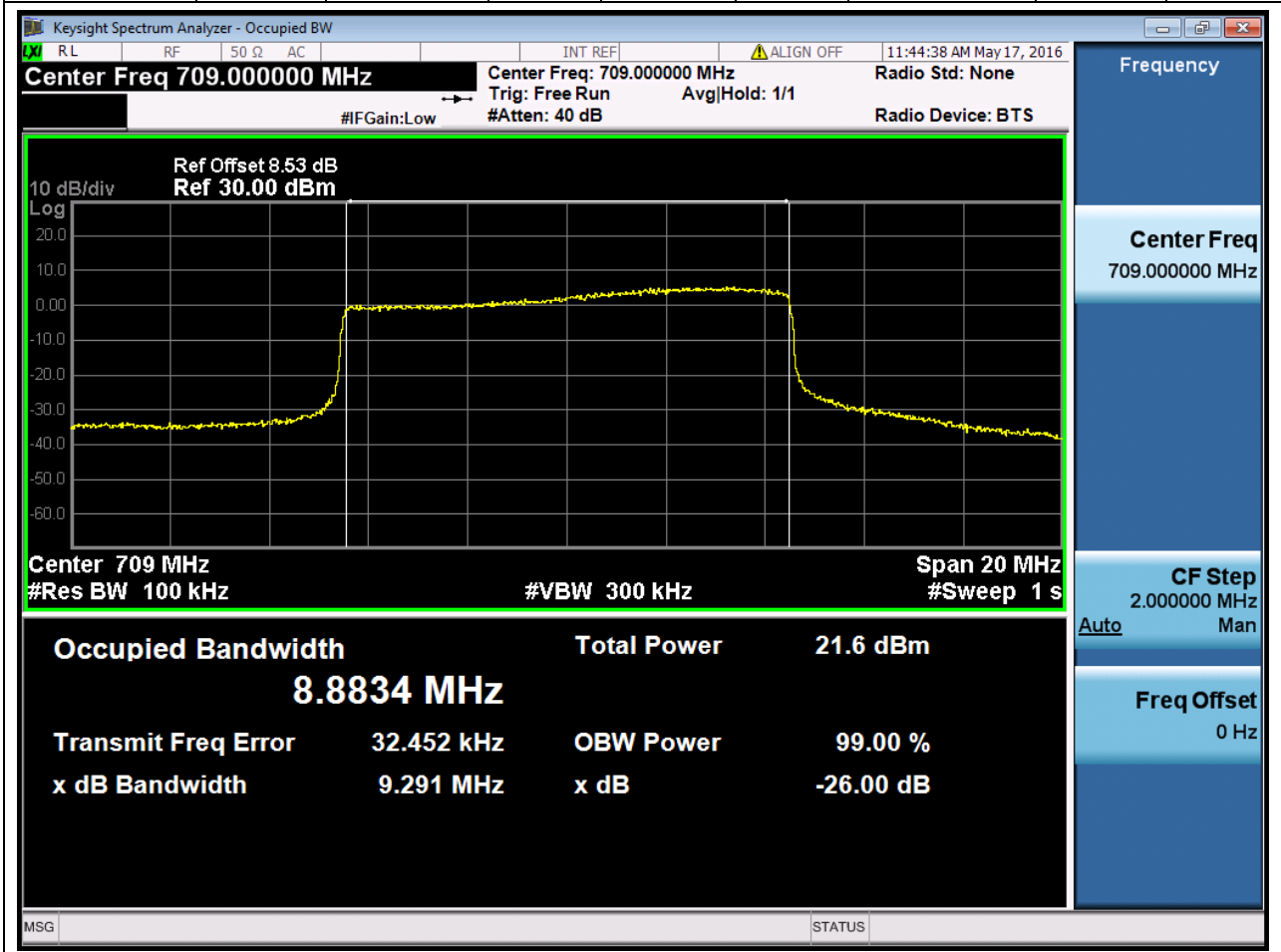| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
713.5	99	26	0.1	RMS	4.47	4.81	5	Pass

1.7. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:7, Channel:23780, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.1	RMS	8.88	9.27	10	Pass

1.8. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:8, Channel:23780, Bandwidth:10, Modulation:16QAM, RB Number: 50, RB Position:LOW)

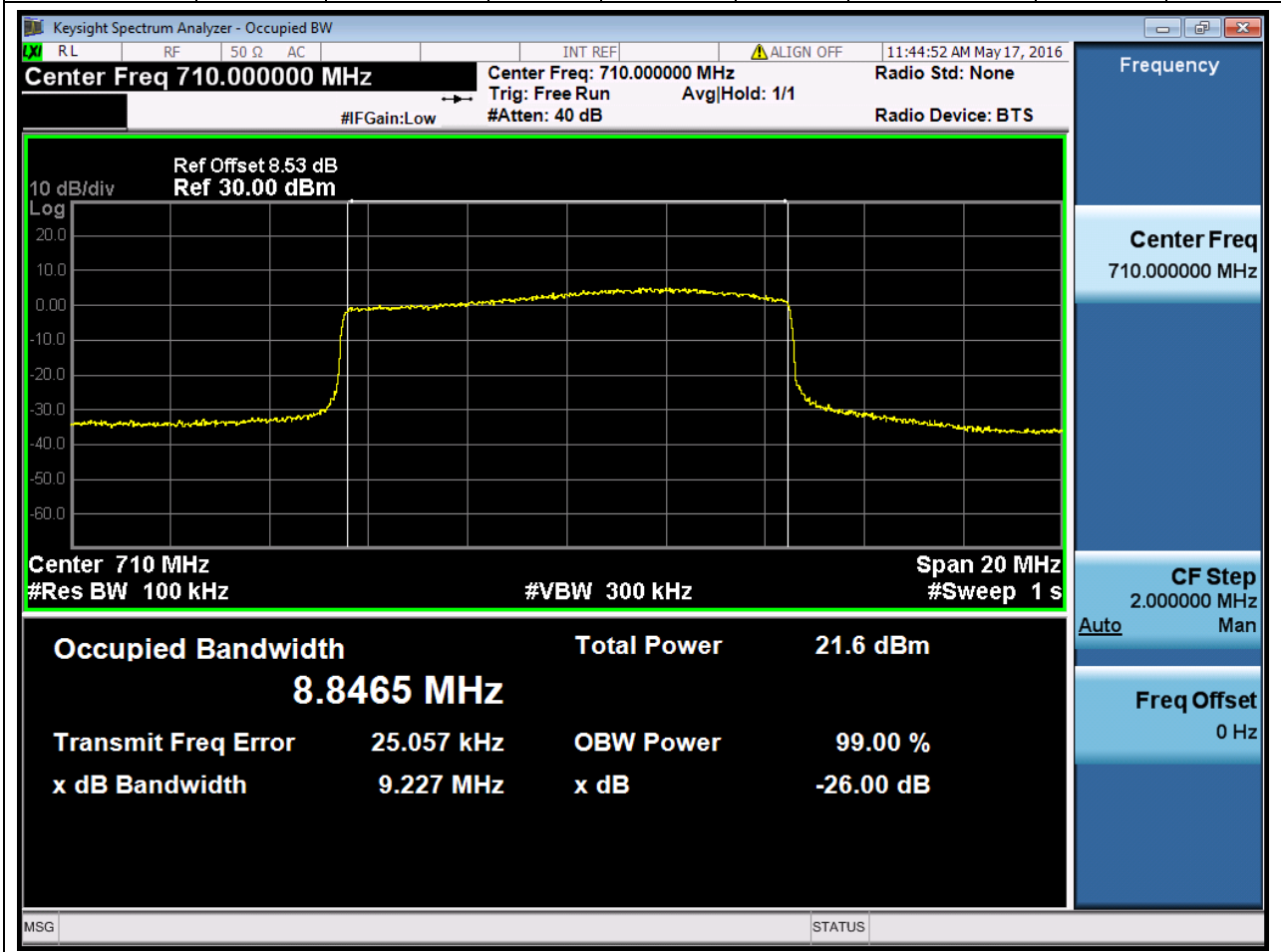| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
709	99	26	0.1	RMS	8.88	9.29	10	Pass

1.9. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:9, Channel:23790, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	RMS	8.85	9.25	10	Pass

1.10. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:10, Channel:23790, Bandwidth:10, Modulation:16QAM, RB Number: 50, RB Position:LOW)

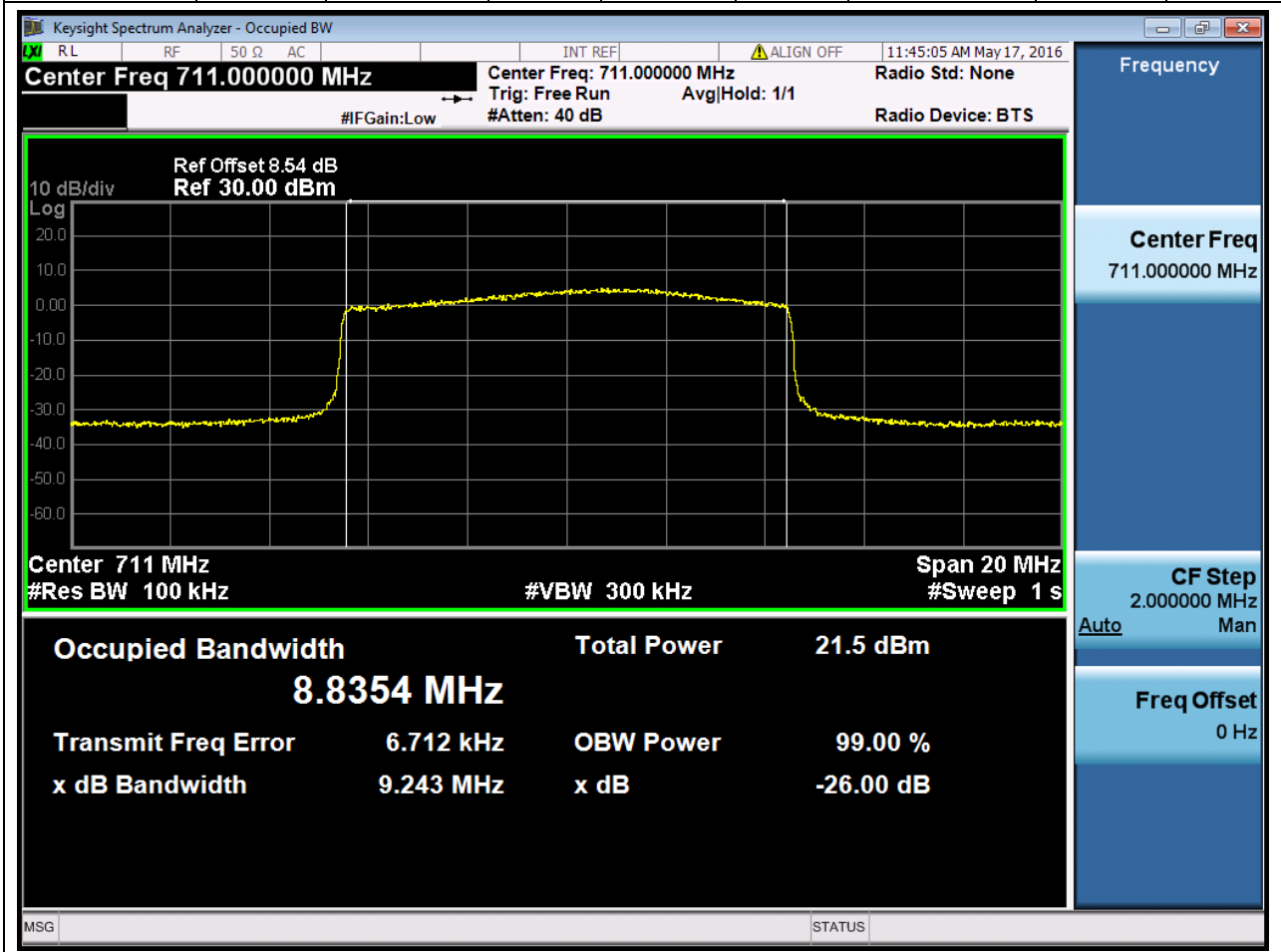| Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
710	99	26	0.1	RMS	8.85	9.23	10	Pass

1.11. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:11, Channel:23800, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.1	RMS	8.83	9.24	10	Pass

1.12. LTE Transmitter Occupied Bandwidth(SA)(NTNV)(Subtest:12, Channel:23800, Bandwidth:10, Modulation:16QAM, RB Number: 50, RB Position:LOW)

Center Frequency (MHz)	OBW Power (%)	XdB Down(dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
711	99	26	0.1	RMS	8.84	9.24	10	Pass

END