

Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 7: Transmit (7MHz BW_QPSK3/4)		
Date of Test	2011/12/11	Test Site	SR7

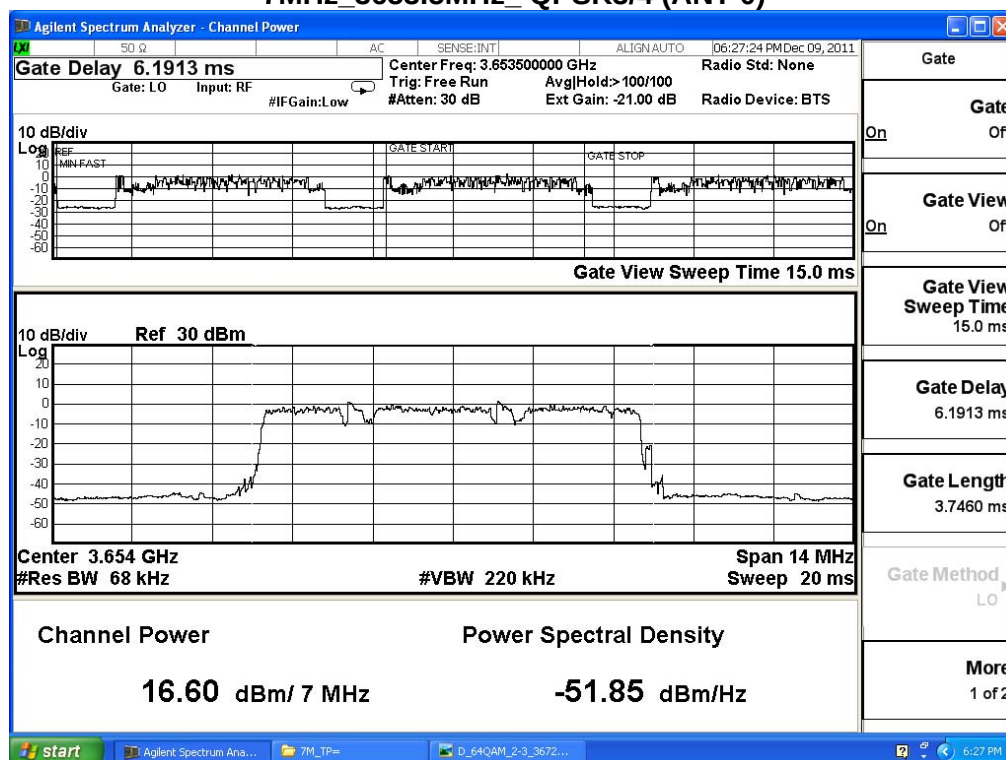
7MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/7MHz)		Maximum Output Power (dBm/7MHz)	EIRP (dBm/7MHz)	Limit (dBm/7MHz)
		ANT 0	ANT1			
3653.5	QPSK3/4	16.60	17.41	20.03	36.03	38.45
3662.5	QPSK3/4	16.10	16.50	19.31	35.31	38.45
3671.5	QPSK3/4	17.81	16.96	20.42	36.42	38.45

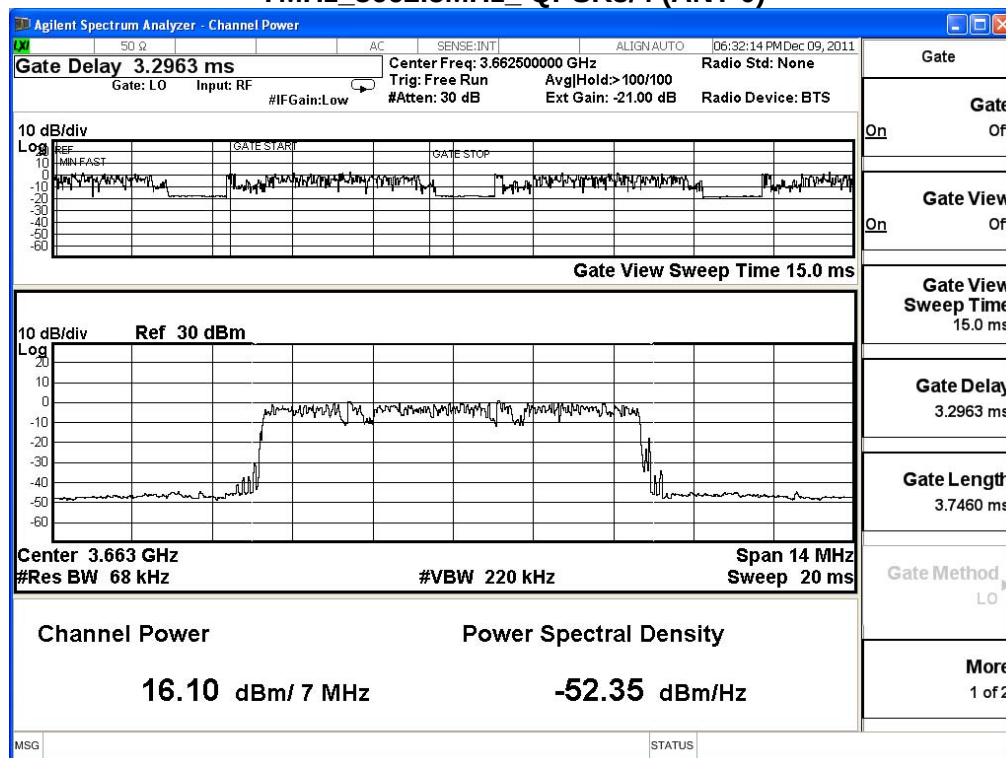
Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

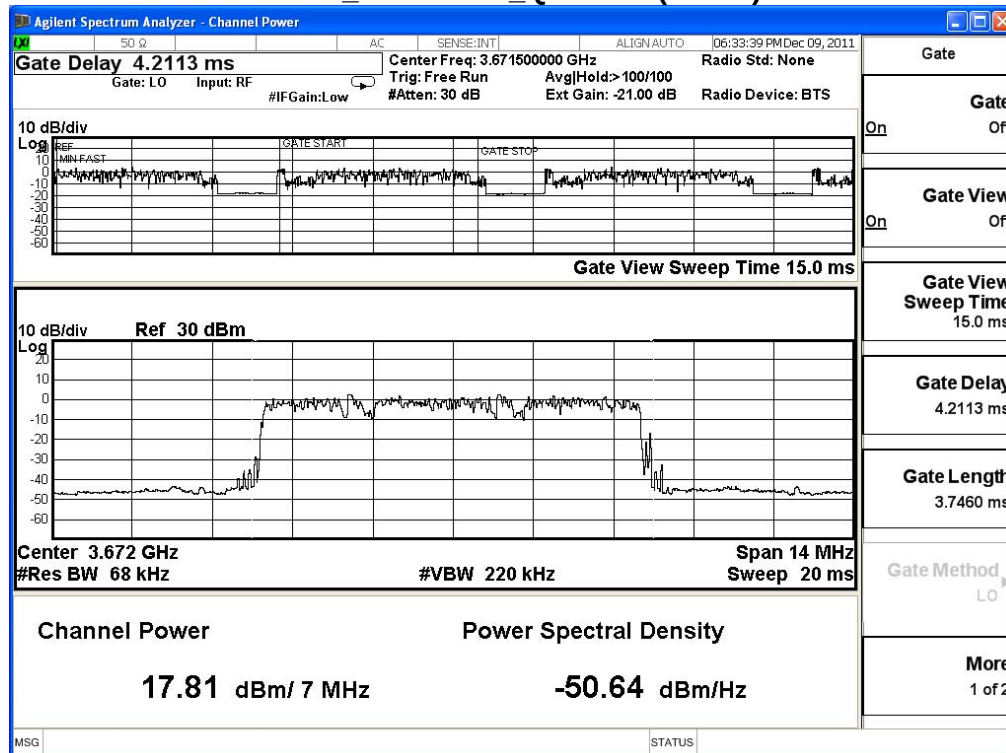
7MHz_3653.5MHz_QPSK3/4 (ANT 0)



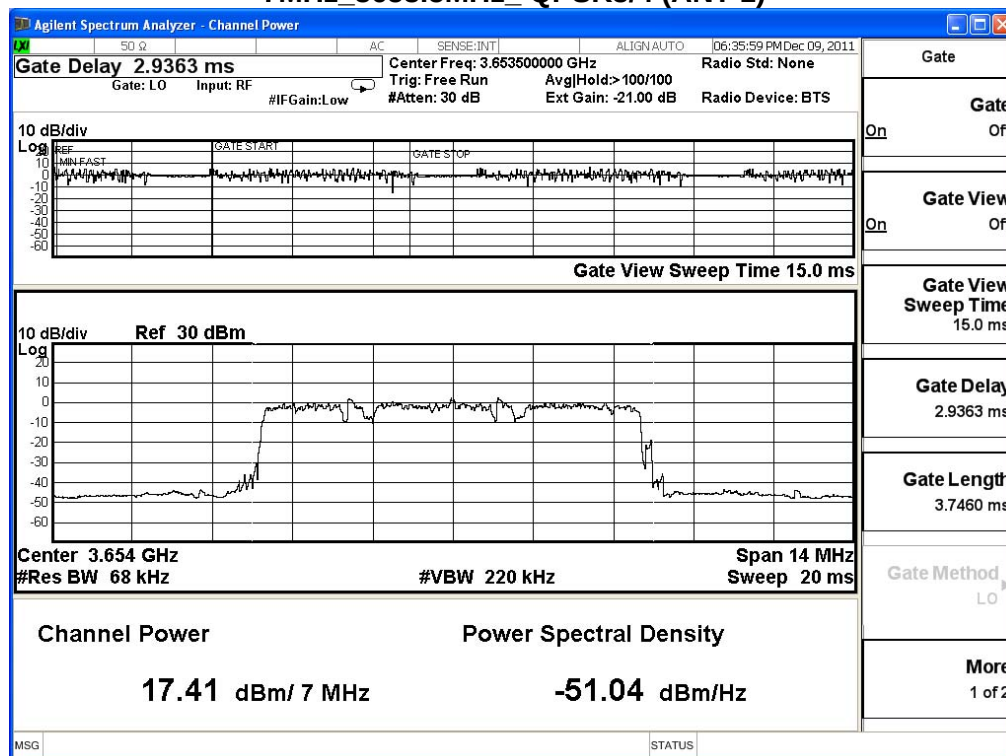
7MHz_3662.5MHz_QPSK3/4 (ANT 0)



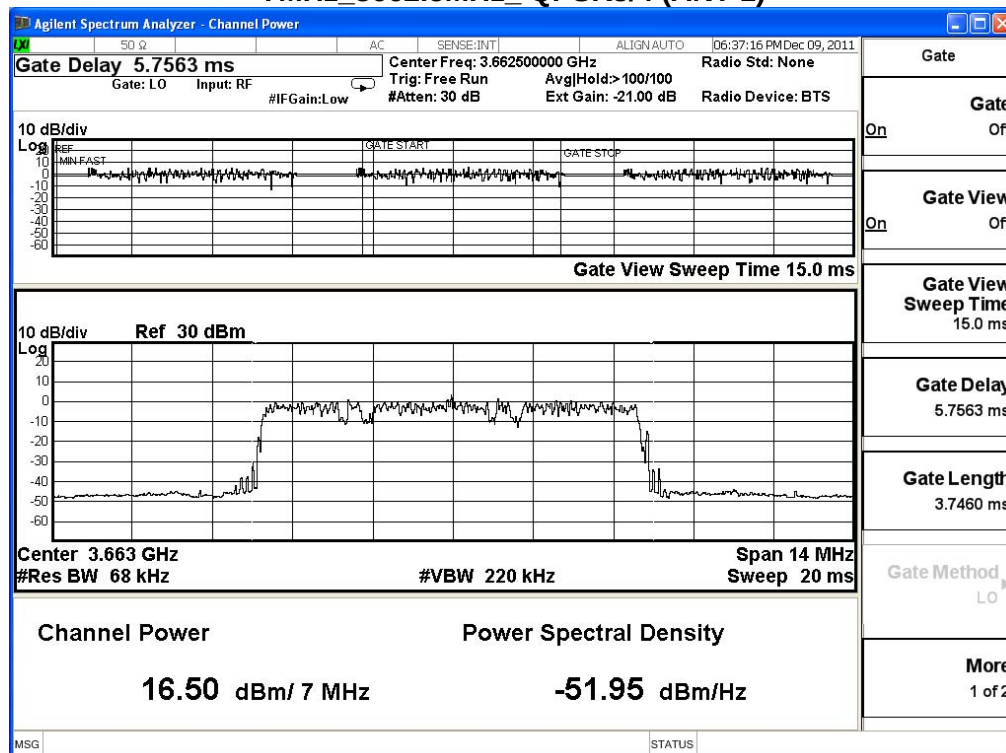
7MHz_3671.5MHz_QPSK3/4 (ANT 0)



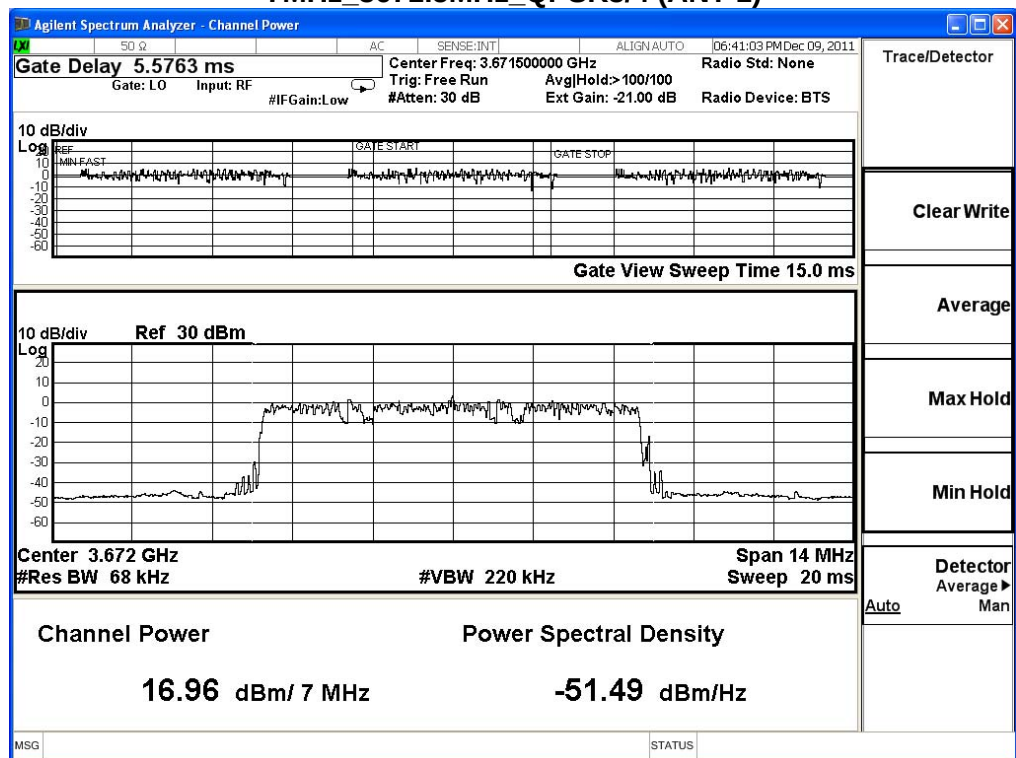
7MHz_3653.5MHz_QPSK3/4 (ANT 1)



7MHz_3662.5MHz_QPSK3/4 (ANT 1)



7MHz_3671.5MHz_QPSK3/4 (ANT 1)



Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 8: Transmit (7MHz BW_16QAM1/2)		
Date of Test	2011/12/11	Test Site	SR7

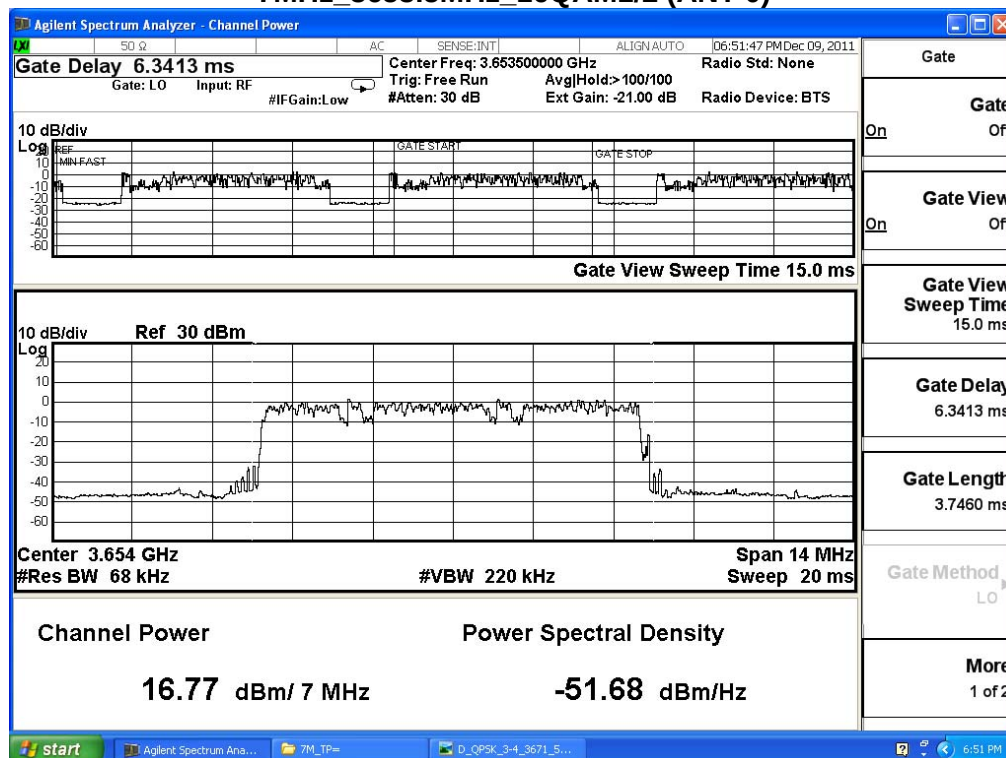
7MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/7MHz)		Maximum Output Power (dBm/7MHz)	EIRP (dBm/7MHz)	Limit (dBm/7MHz)
		ANT 0	ANT1			
3653.5	16QAM1/2	16.77	17.59	20.21	36.21	38.45
3662.5	16QAM1/2	16.40	16.84	19.64	35.64	38.45
3671.5	16QAM1/2	17.96	17.02	20.53	36.53	38.45

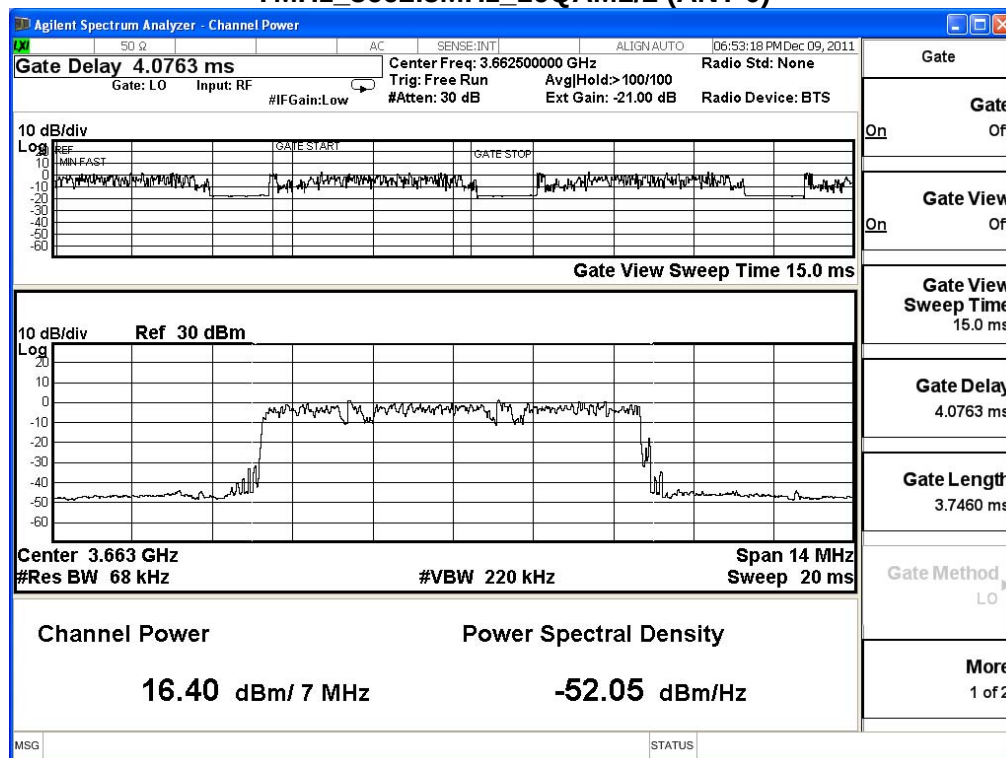
Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

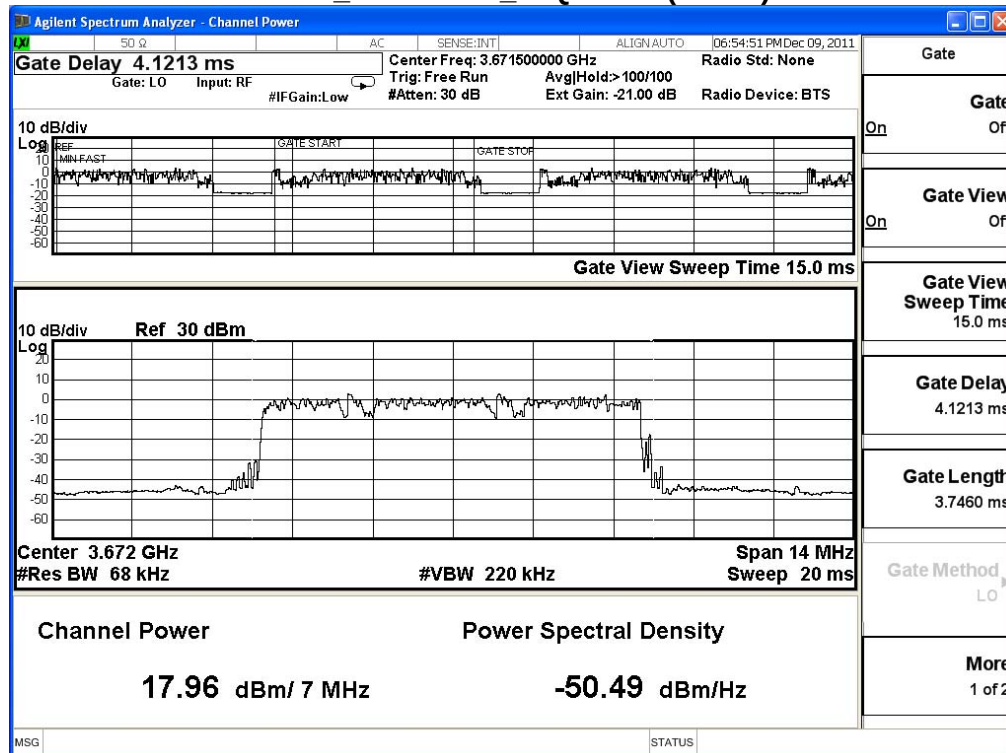
7MHz_3653.5MHz_16QAM1/2 (ANT 0)



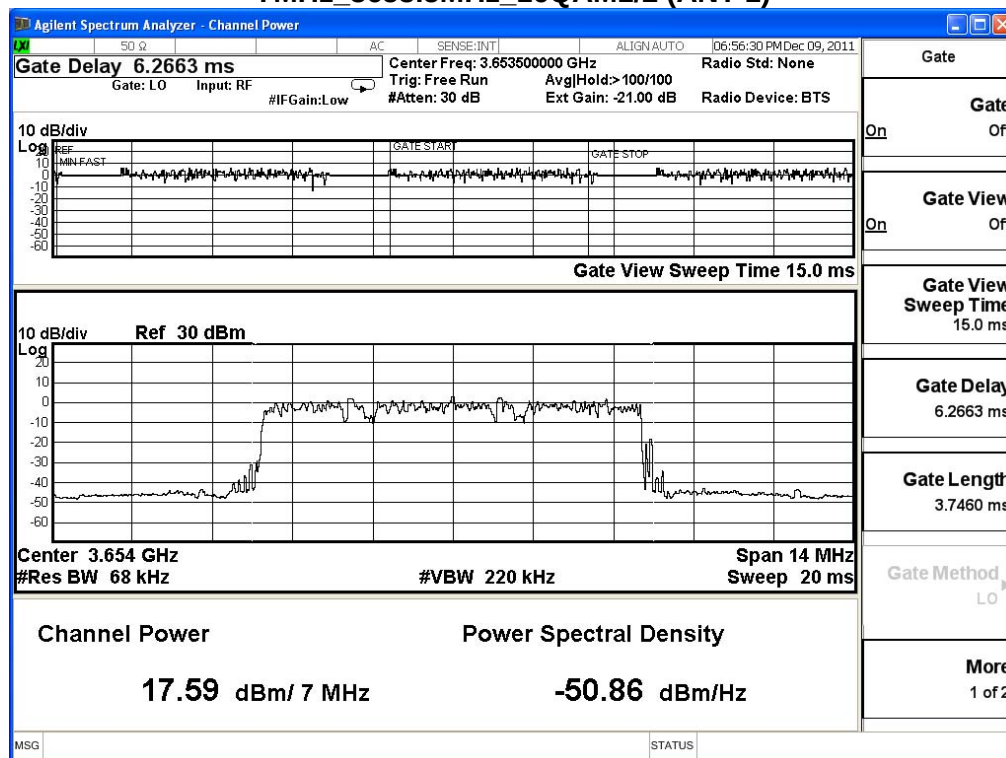
7MHz_3662.5MHz_16QAM1/2 (ANT 0)



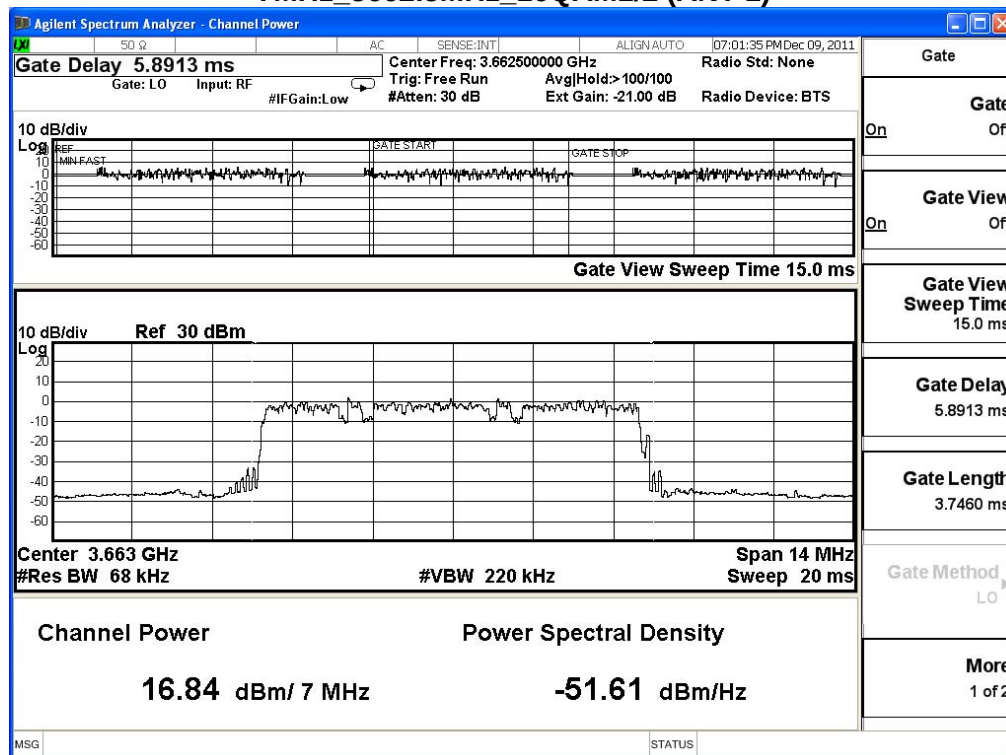
7MHz_3671.5MHz_16QAM1/2 (ANT 0)



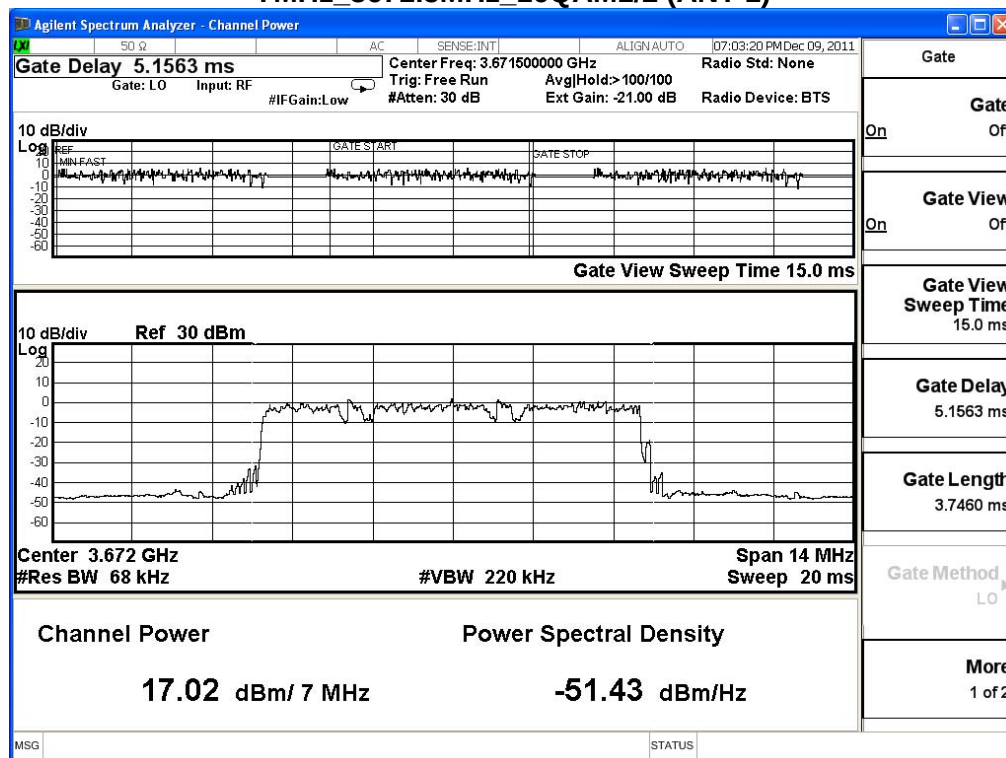
7MHz_3653.5MHz_16QAM1/2 (ANT 1)



7MHz_3662.5MHz_16QAM1/2 (ANT 1)



7MHz_3671.5MHz_16QAM1/2 (ANT 1)



Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 9: Transmit (7MHz BW_64QAM5/6)		
Date of Test	2011/12/11	Test Site	SR7

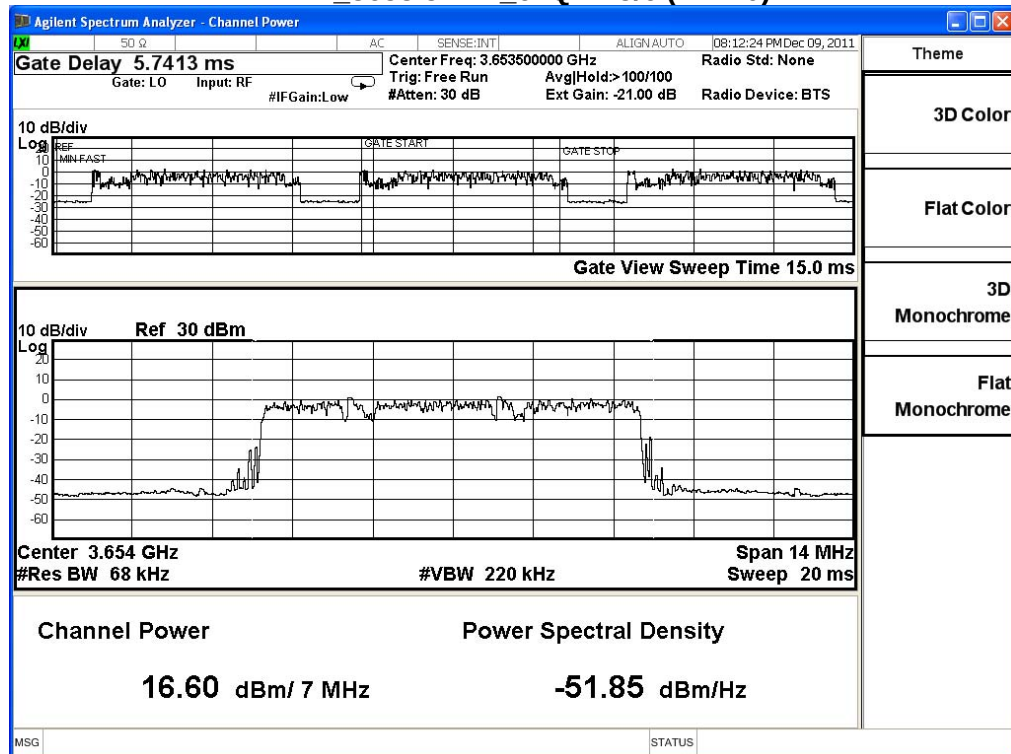
7MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/7MHz)		Maximum Output Power (dBm/7MHz)	EIRP (dBm/7MHz)	Limit (dBm/7MHz)
		ANT 0	ANT1			
3653.5	64QAM5/6	16.60	18.09	20.42	36.42	38.45
3662.5	64QAM5/6	16.51	17.27	19.92	35.92	38.45
3671.5	64QAM5/6	17.83	17.42	20.64	36.64	38.45

Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

7MHz_3653.5MHz_64QAM5/6 (ANT 0)



Agilent Spectrum Analyzer - Channel Power

50 Ω AC SENSE:INT ALIGN: AUTO 08:14:21 PM Dec 09, 2011

Gate Delay 4.5263 ms

Gate: LO Input: RF #IF Gain: Low Center Freq: 3.662500000 GHz Radio Std: None
 Trig: Free Run Avg Hold: > 100/100 #Atten: 30 dB Ext Gain: -21.00 dB Radio Device: BTS

10 dB/div

Log

Gate View Sweep Time 15.0 ms

10 dB/div Ref 30 dBm

Center 3.663 GHz Span 14 MHz
 #Res BW 68 kHz #VBW 220 kHz Sweep 20 ms

Channel Power

Power Spectral Density

16.51 dBm/ 7 MHz

-51.94 dBm/Hz

MSG STATUS

Gate Gate View Gate View Gate Method
 On Off On Off LO
 More 1 of 2

Agilent Spectrum Analyzer - Channel Power

Gate Delay 6.2213 ms

Gate: LO Input: RF #IFGain:Low

Center Freq: 3.671500000 GHz Trig: Free Run Avg/Hold: > 100/100

#Atten: 30 dB Ext Gain: -21.00 dB Radio Std: None Radio Device: BTS

10 dB/div

Log

REF MINFAST

GATE START

GATE STOP

Gate View Sweep Time 15.0 ms

10 dB/div Ref 30 dBm

Log

Center 3.672 GHz

#Res BW 68 kHz

#VBW 220 kHz

Span 14 MHz

Sweep 20 ms

Channel Power

Power Spectral Density

17.83 dBm/ 7 MHz

-50.62 dBm/Hz

Gate

On

Gate View

On

Gate View Sweep Time

15.0 ms

Gate Delay

6.2213 ms

Gate Length

3.7460 ms

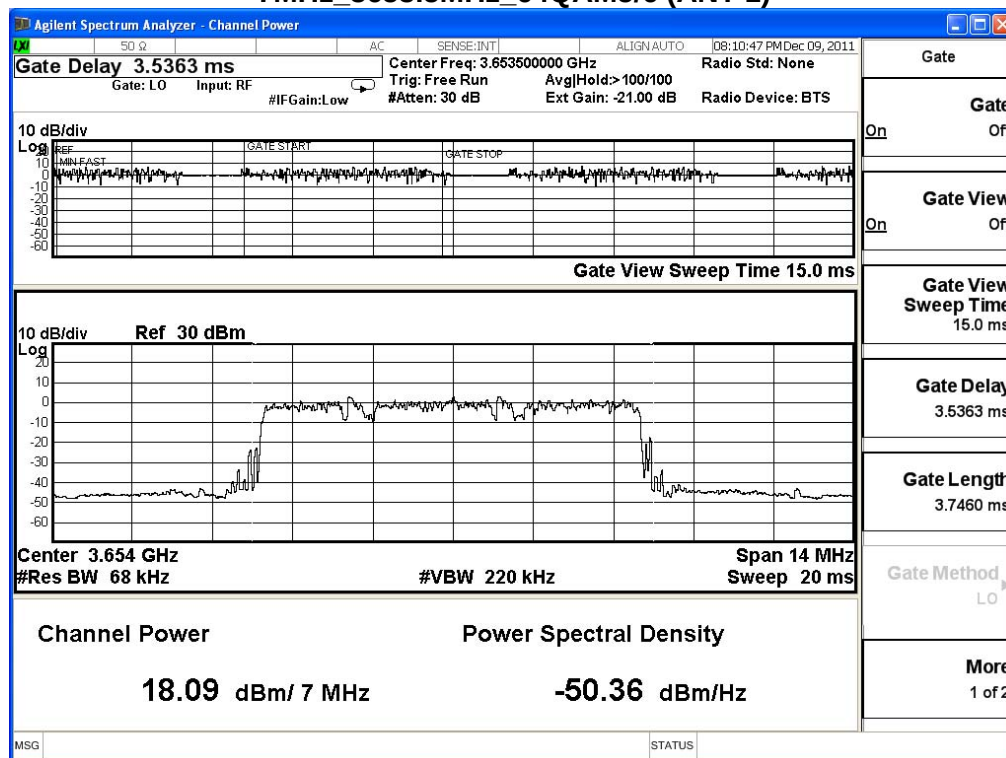
Gate Method

LO

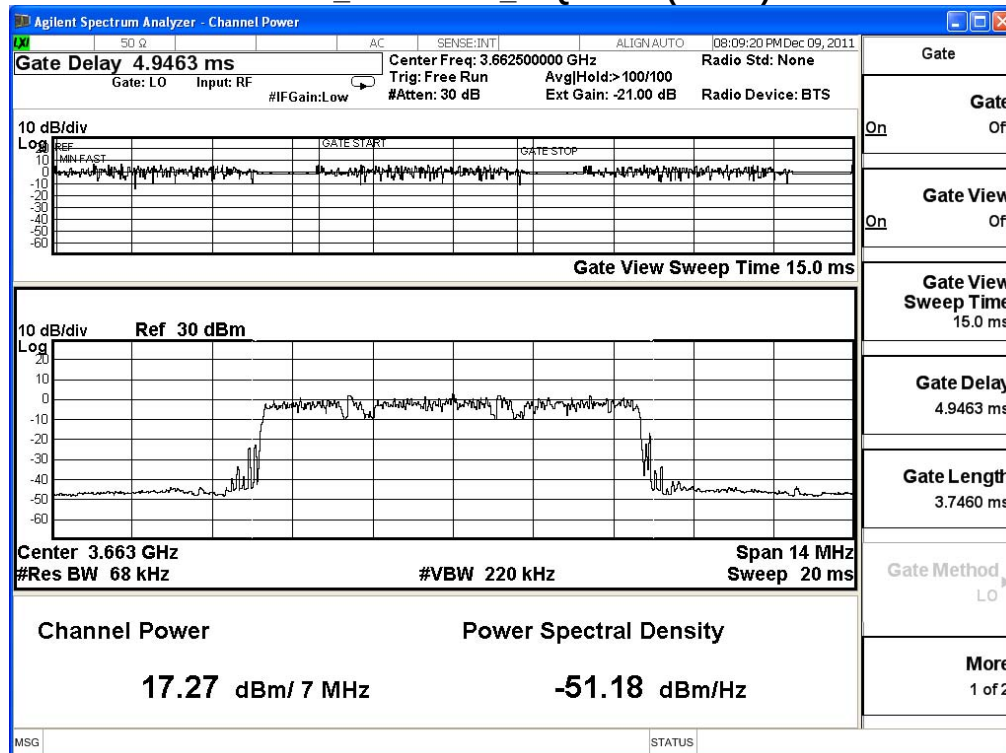
More

1 of 2

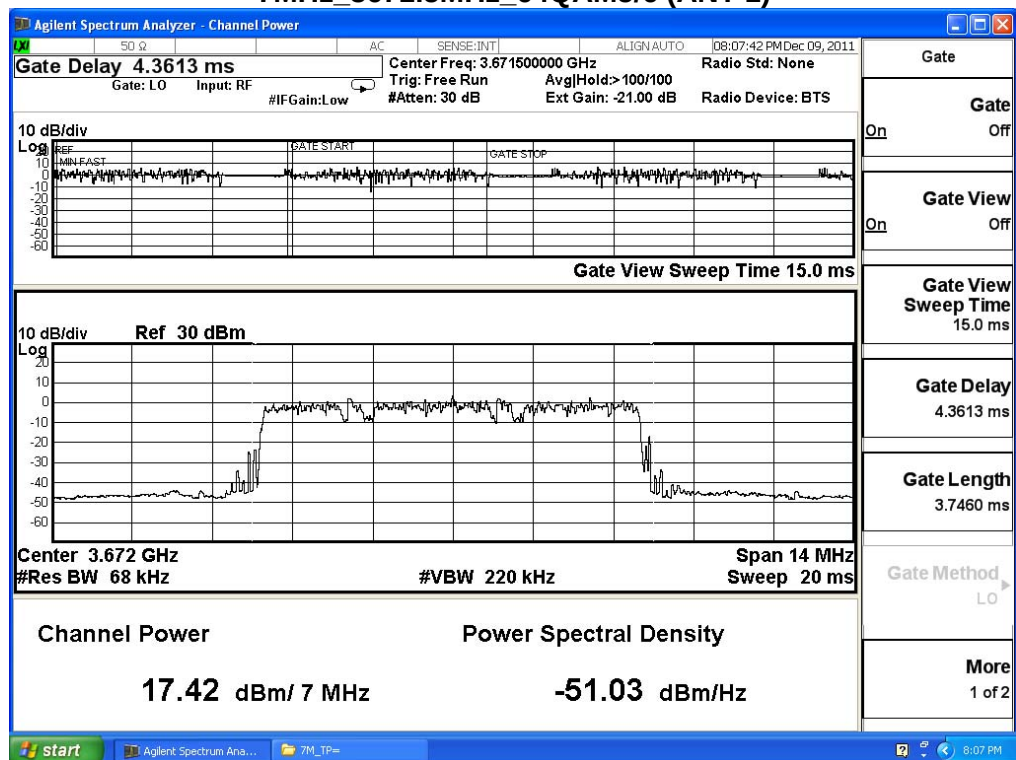
7MHz_3653.5MHz_64QAM5/6 (ANT 1)



7MHz_3662.5MHz_64QAM5/6 (ANT 1)



7MHz_3671.5MHz_64QAM5/6 (ANT 1)



Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 10: Transmit (10MHz BW_QPSK3/4)		
Date of Test	2011/12/11	Test Site	SR7

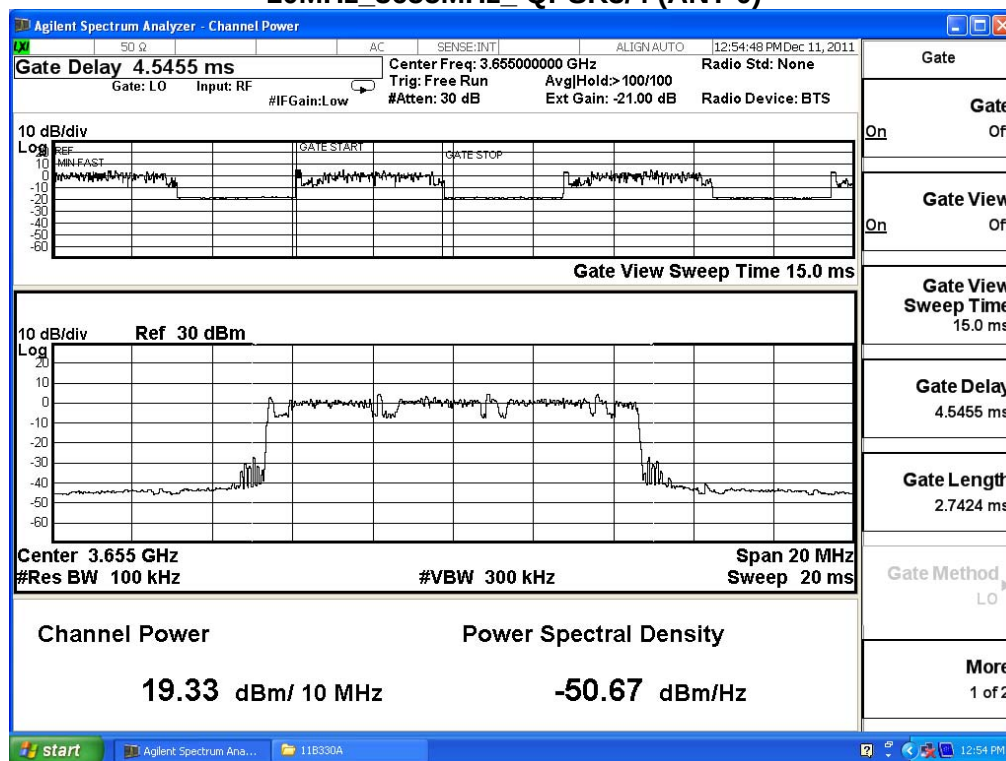
10MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/10MHz)		Maximum Output Power (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)
		ANT 0	ANT1			
3655.0	QPSK3/4	19.33	20.11	22.75	38.75	40
3662.5	QPSK3/4	18.69	19.20	21.96	37.96	40
3670.0	QPSK3/4	19.91	19.16	22.56	38.56	40

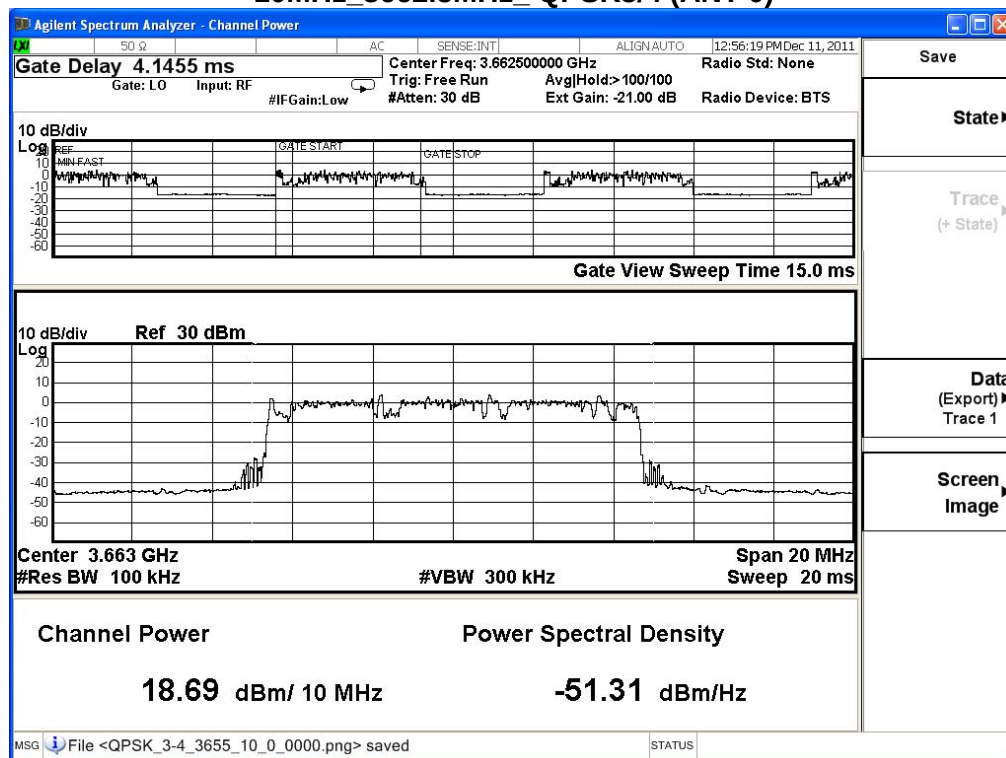
Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

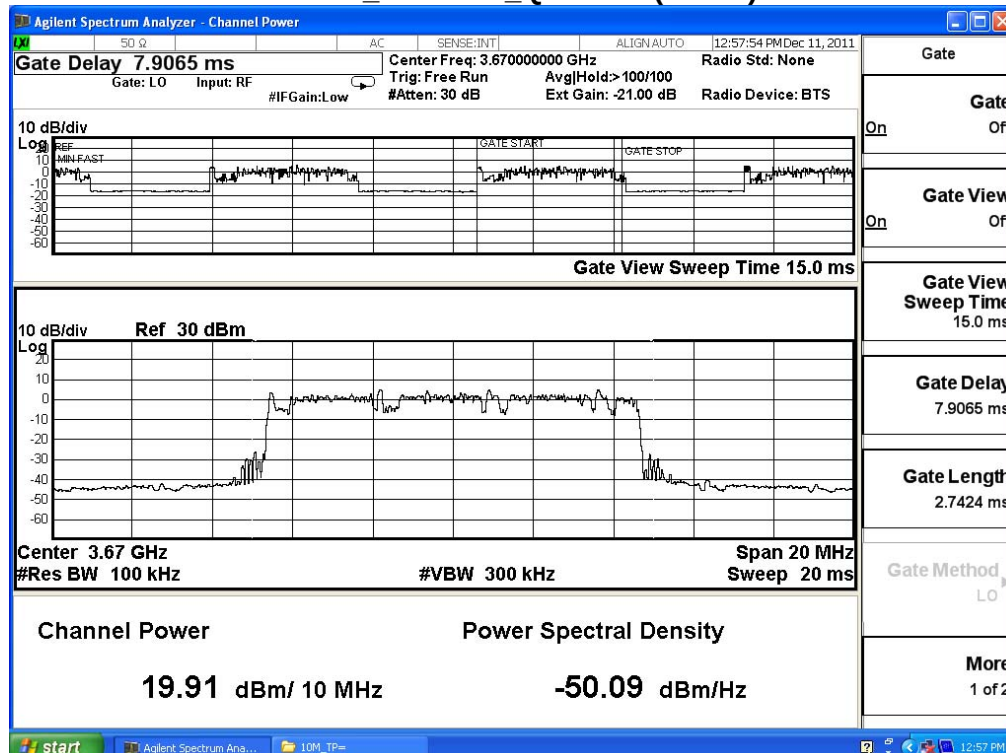
10MHz_3655MHz_QPSK3/4 (ANT 0)



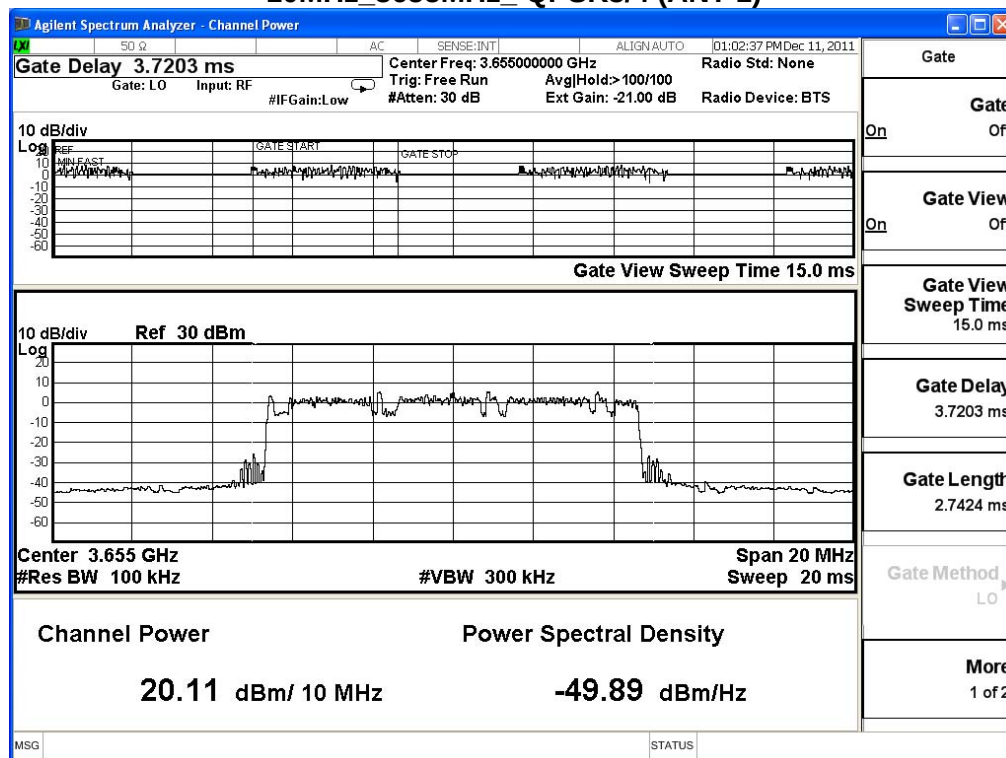
10MHz_3662.5MHz_QPSK3/4 (ANT 0)



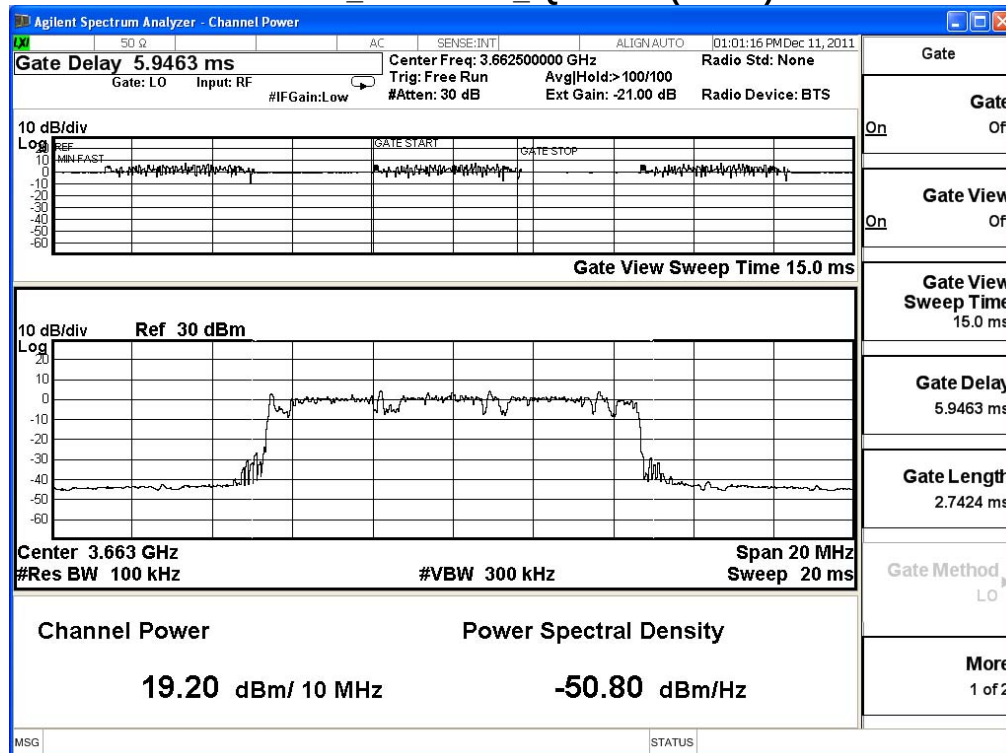
10MHz_3670MHz_QPSK3/4 (ANT 0)



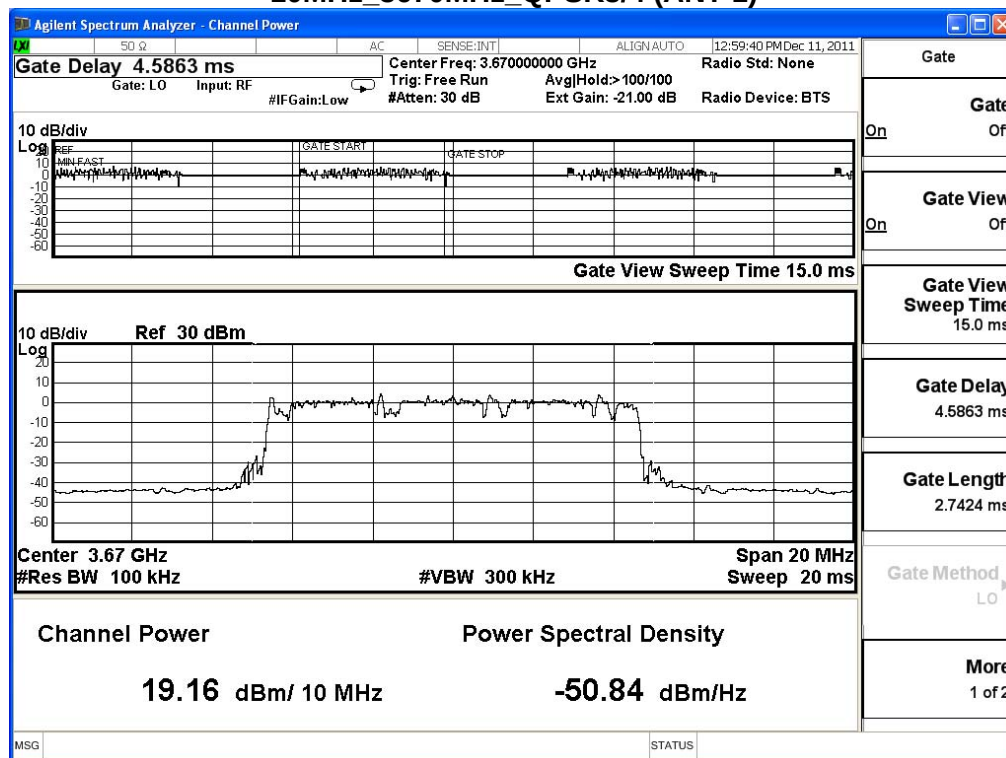
10MHz_3655MHz_QPSK3/4 (ANT 1)



10MHz_3662.5MHz_QPSK3/4 (ANT 1)



10MHz_3670MHz_QPSK3/4 (ANT 1)



Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 11: Transmit (10MHz BW_16QAM1/2)		
Date of Test	2011/12/11	Test Site	SR7

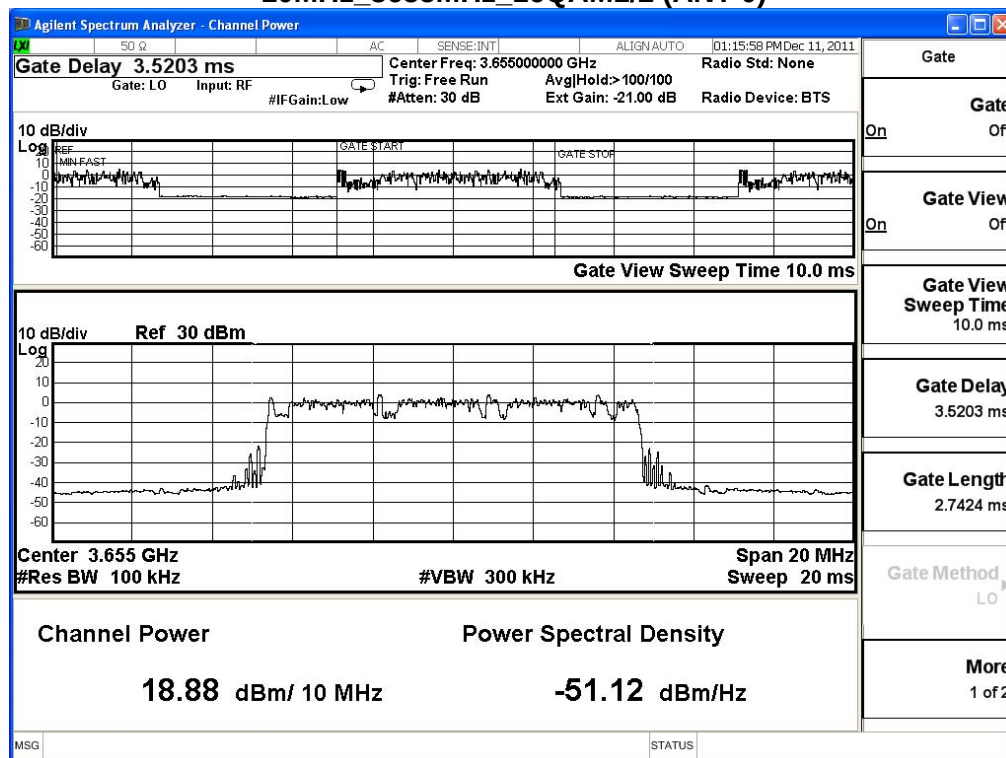
10MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/10MHz)		Maximum Output Power (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)
		ANT 0	ANT1			
3655.0	16QAM1/2	18.88	19.73	22.34	38.34	40
3662.5	16QAM1/2	18.32	18.83	21.59	37.59	40
3670.0	16QAM1/2	19.64	18.82	22.26	38.26	40

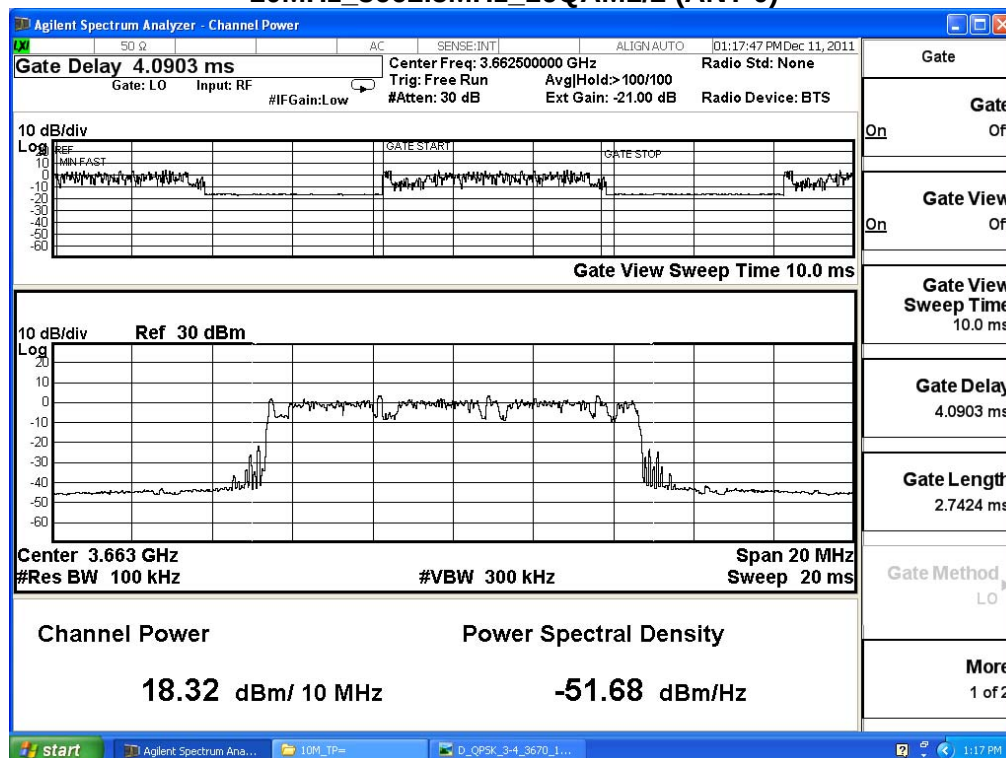
Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

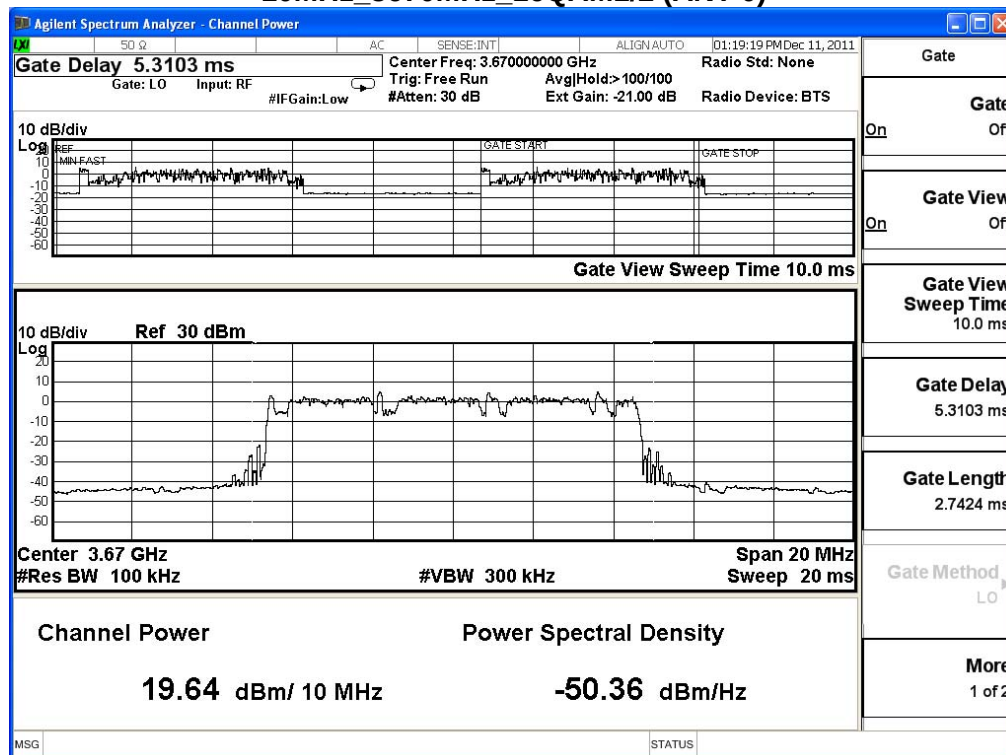
10MHz_3655MHz_16QAM1/2 (ANT 0)



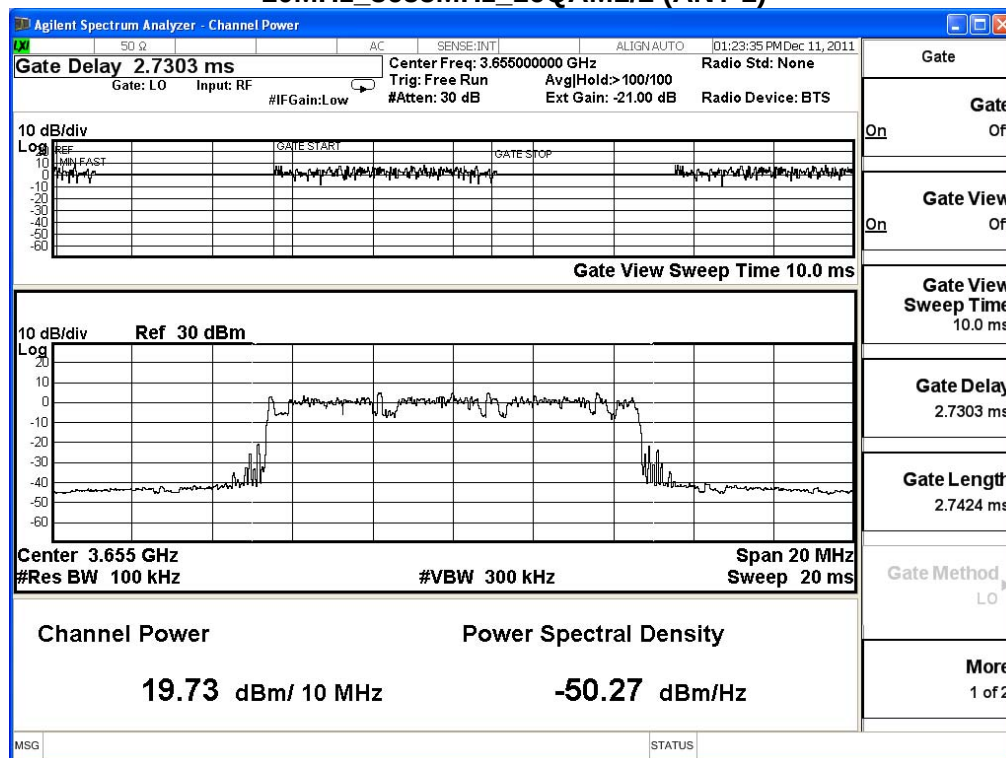
10MHz_3662.5MHz_16QAM1/2 (ANT 0)



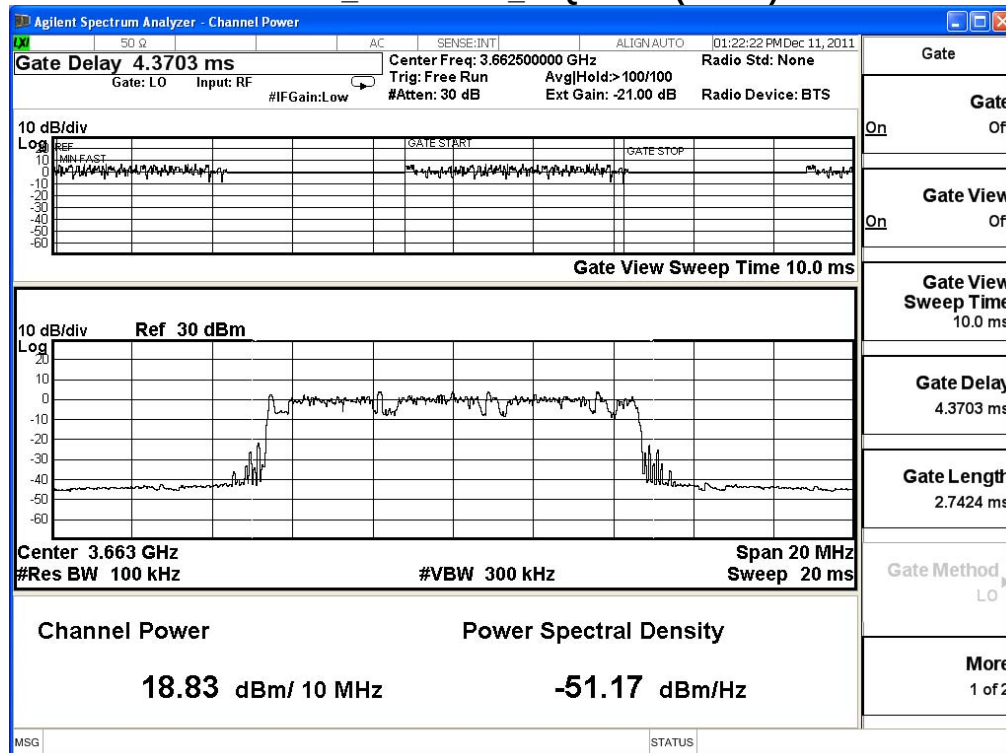
10MHz_3670MHz_16QAM1/2 (ANT 0)



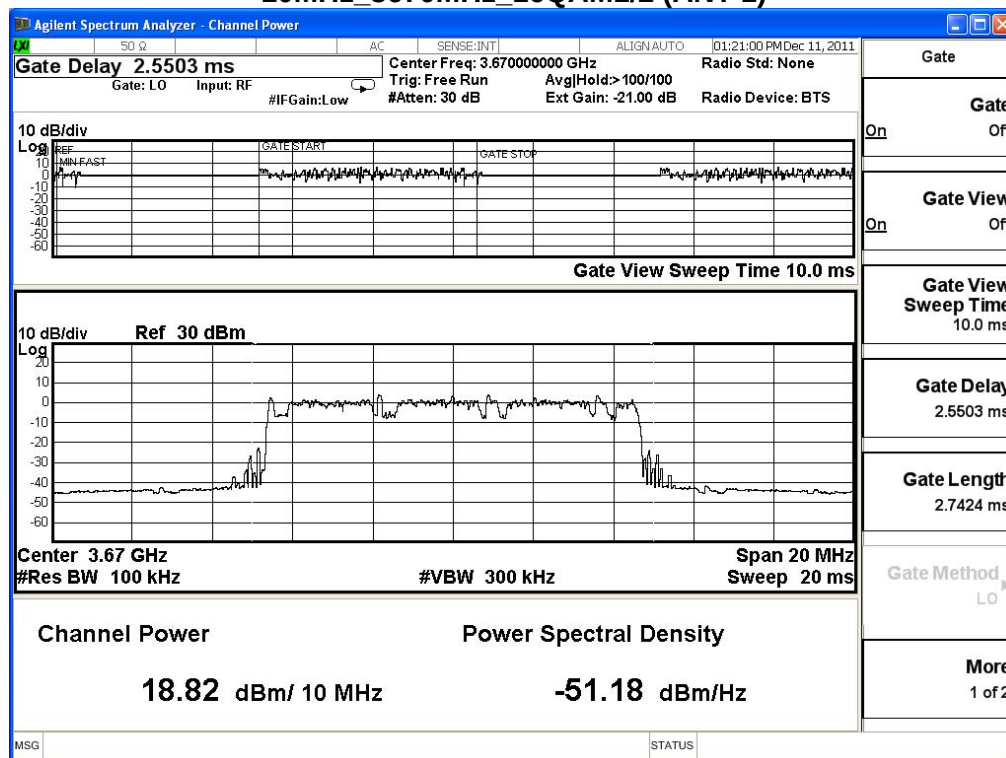
10MHz_3655MHz_16QAM1/2 (ANT 1)



10MHz_3662.5MHz_16QAM1/2 (ANT 1)



10MHz_3670MHz_16QAM1/2 (ANT 1)



Product	CBS 3.65GHz		
Test Item	Maximum EIRP		
Test Mode	Mode 12: Transmit (10MHz BW_64QAM5/6)		
Date of Test	2011/12/11	Test Site	SR7

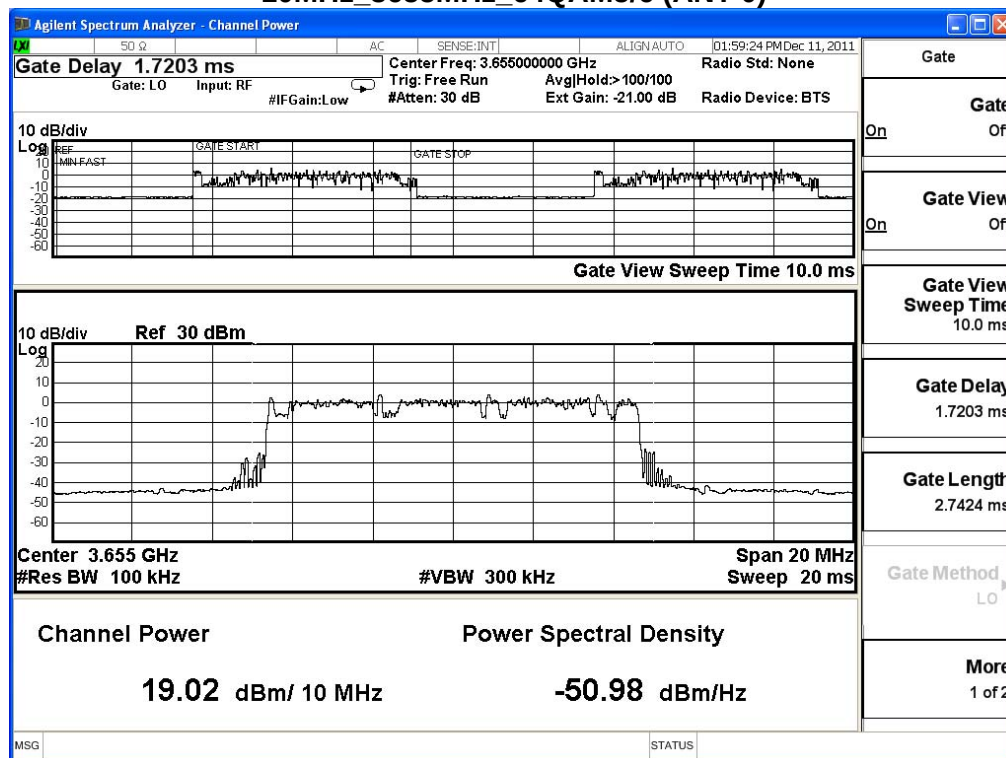
10MHz Bandwidth, Antenna Gain: 16dBi

Frequency (MHz)	Modulation	Output Power (dBm/10MHz)		Maximum Output Power (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)
		ANT 0	ANT1			
3655.0	64QAM5/6	19.02	19.76	22.42	38.42	40
3662.5	64QAM5/6	18.42	18.71	21.58	37.58	40
3670.0	64QAM5/6	19.70	18.75	22.26	38.26	40

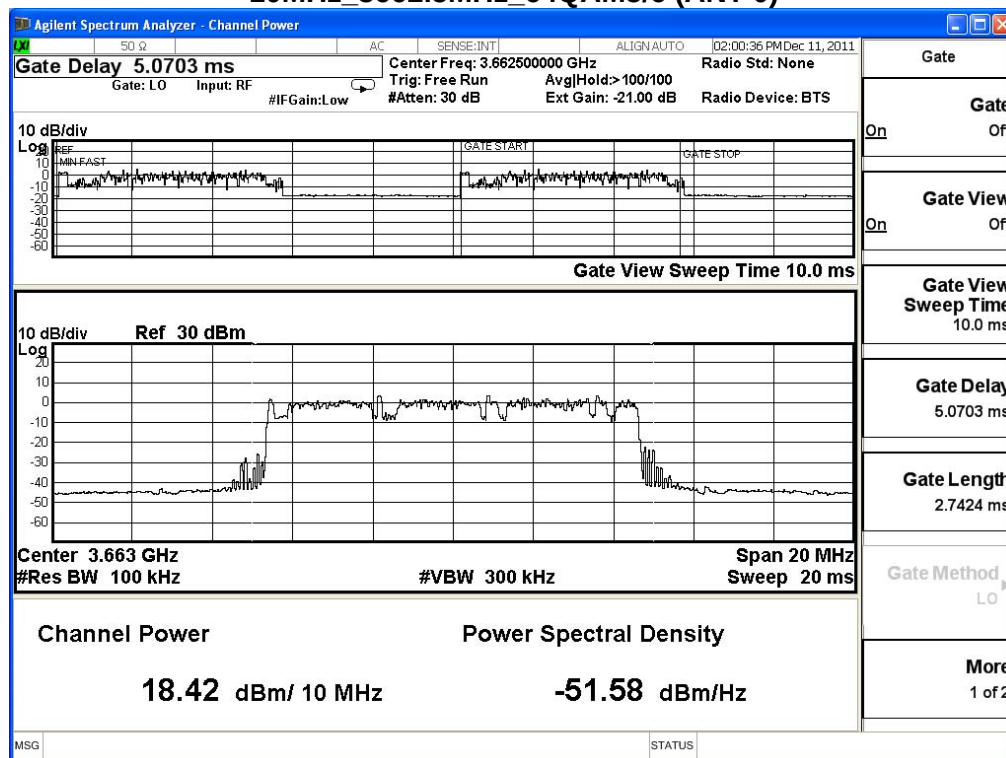
Maximum Output Power = Output Power (ANT 0 + ANT 1)

E.I.R.P = Maximum Output Power + Antenna Gain

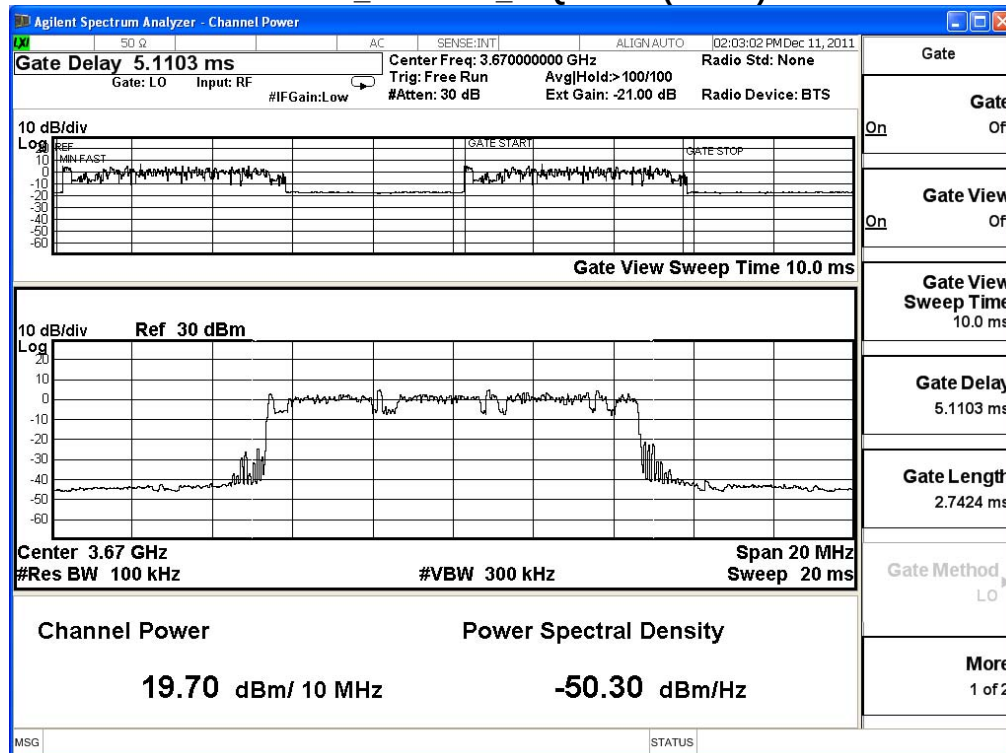
10MHz_3655MHz_64QAM5/6 (ANT 0)



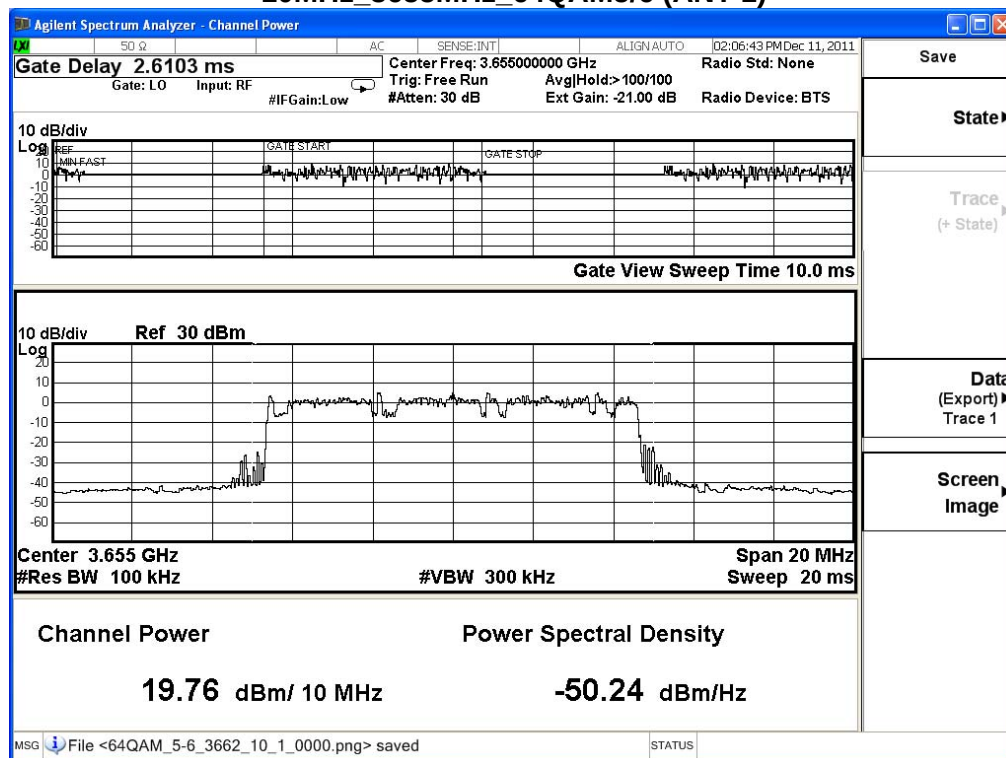
10MHz_3662.5MHz_64QAM5/6 (ANT 0)



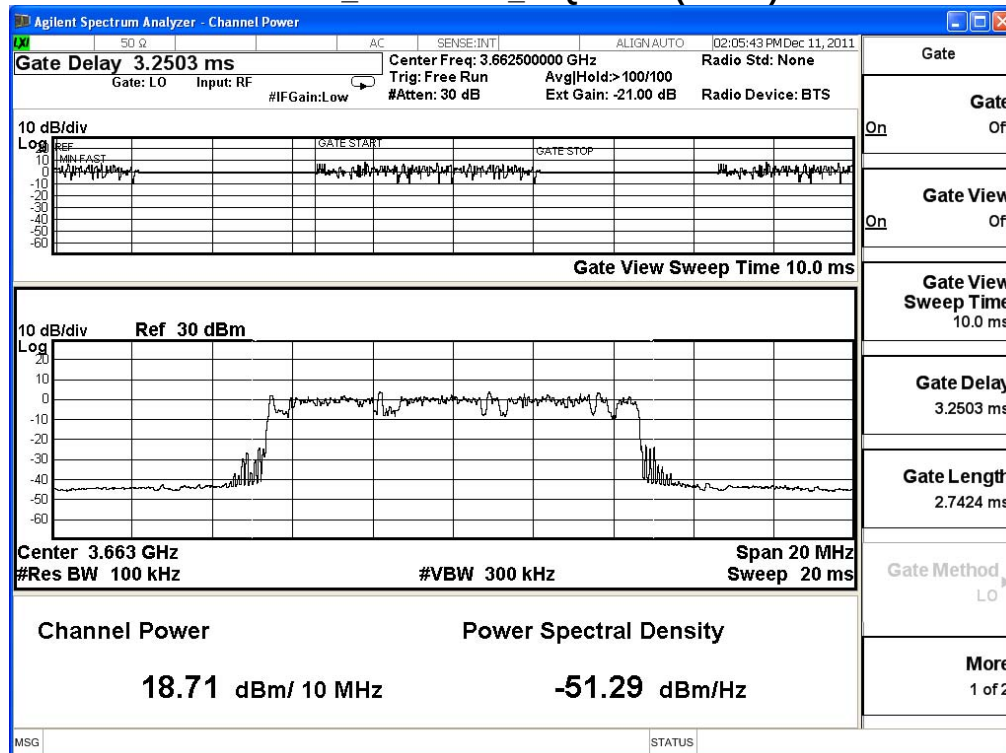
10MHz_3670MHz_64QAM5/6 (ANT 0)



10MHz_3655MHz_64QAM5/6 (ANT 1)



10MHz_3662.5MHz_64QAM5/6 (ANT 1)



10MHz_3670MHz_64QAM5/6 (ANT 1)

