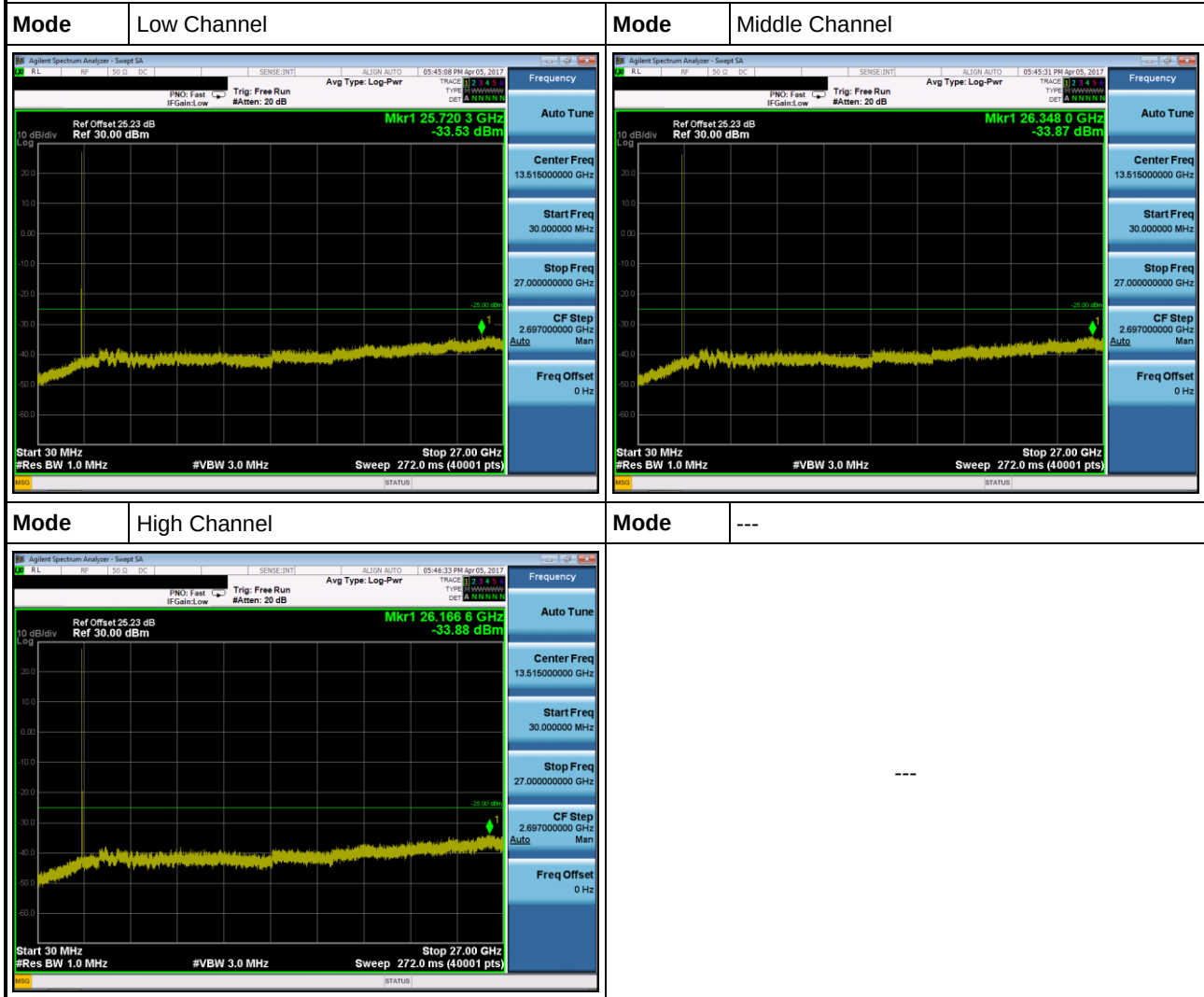


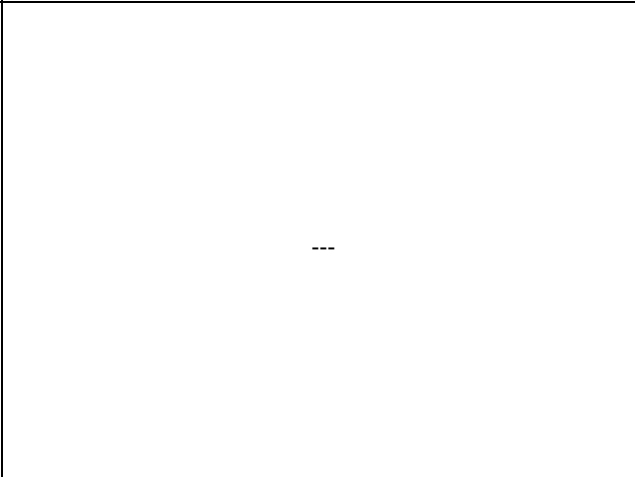
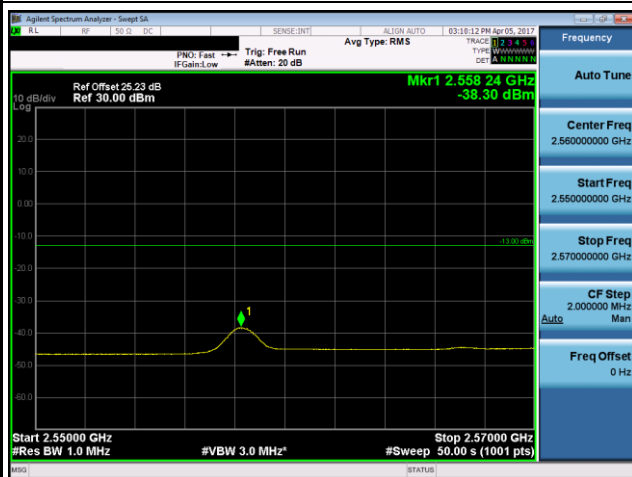
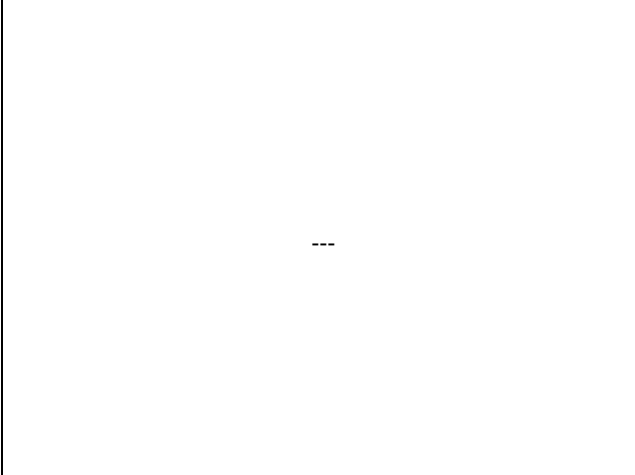
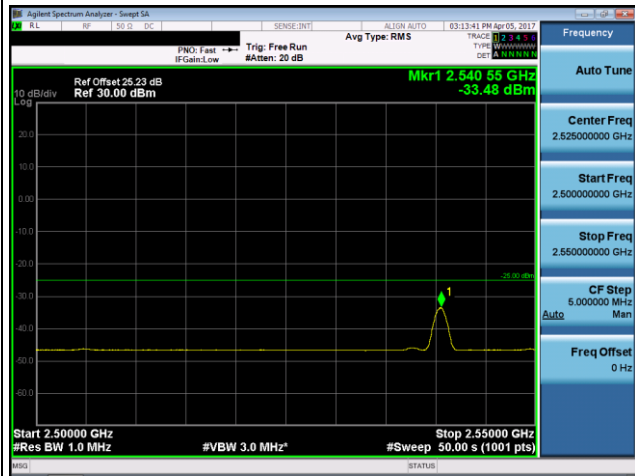
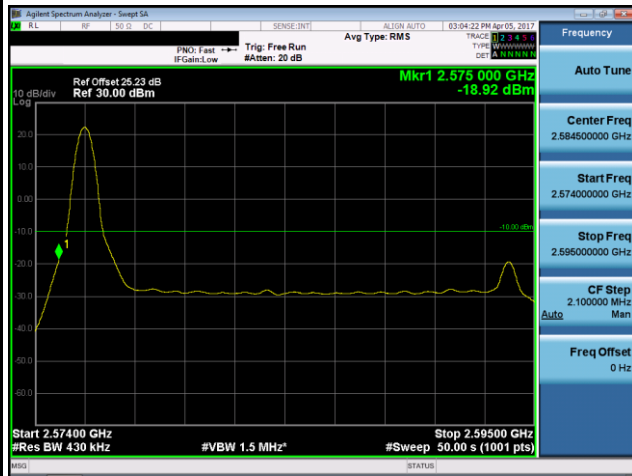
CB:20MHz / QPSK



CB:20MHz / QPSK

Mode

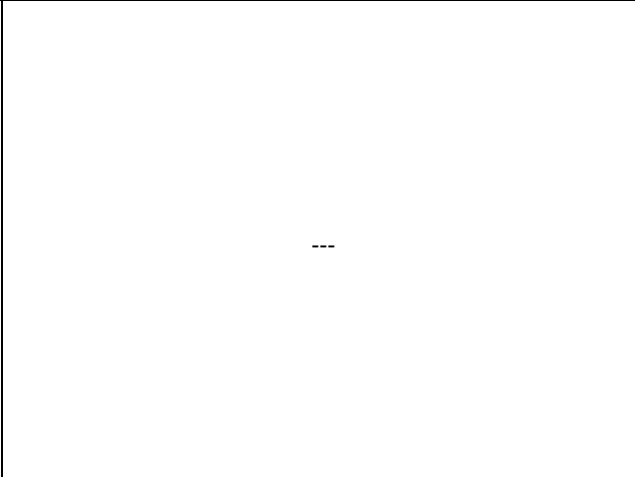
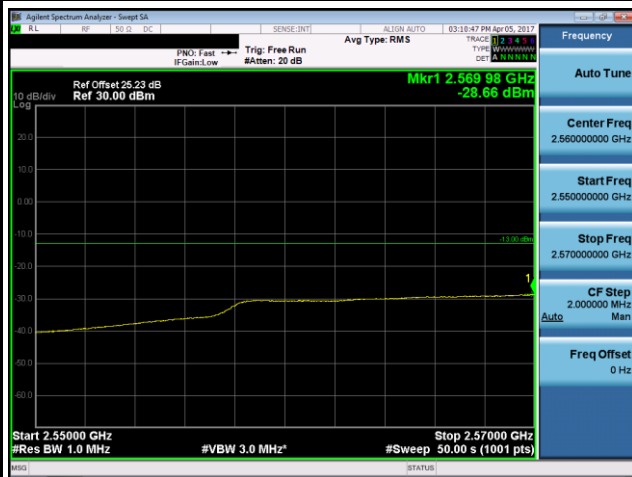
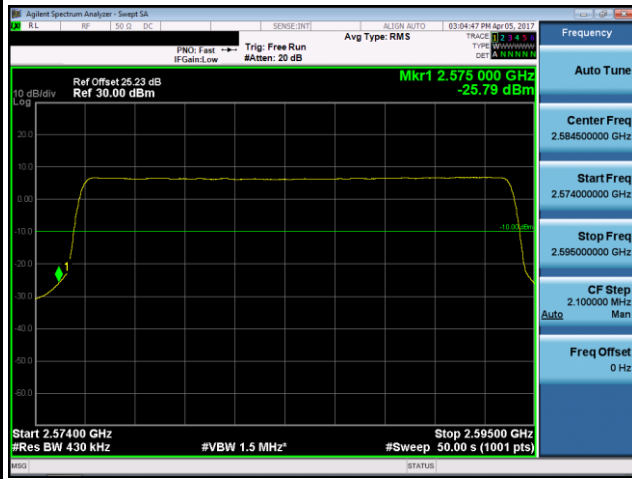
Low Channel-1RB



CB:20MHz / QPSK

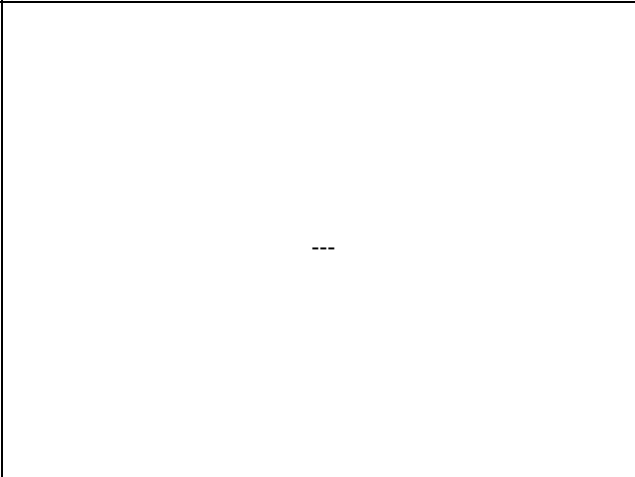
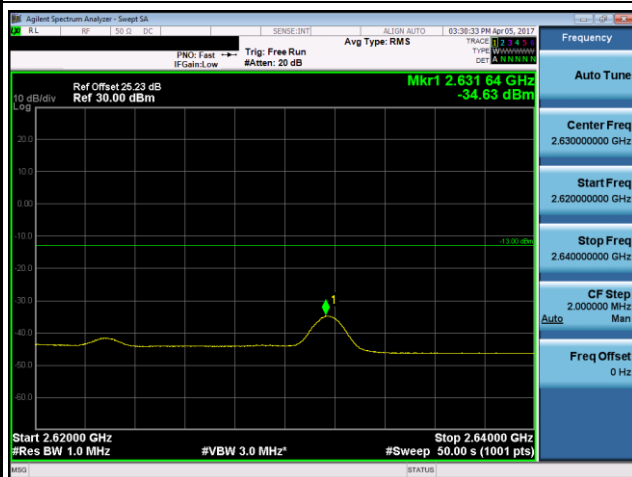
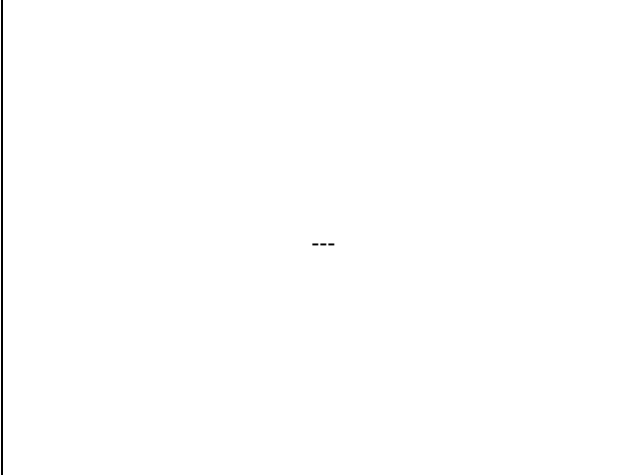
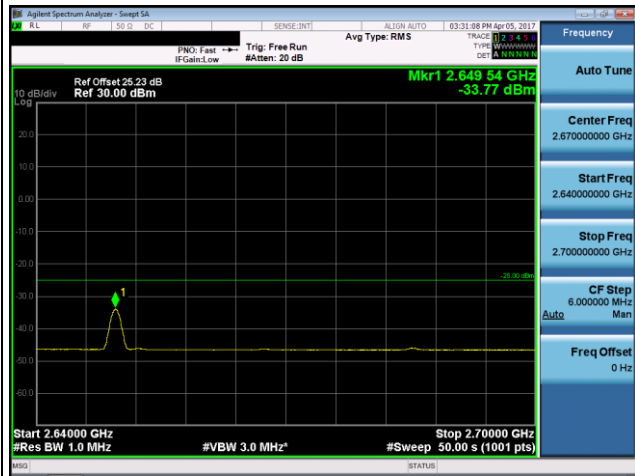
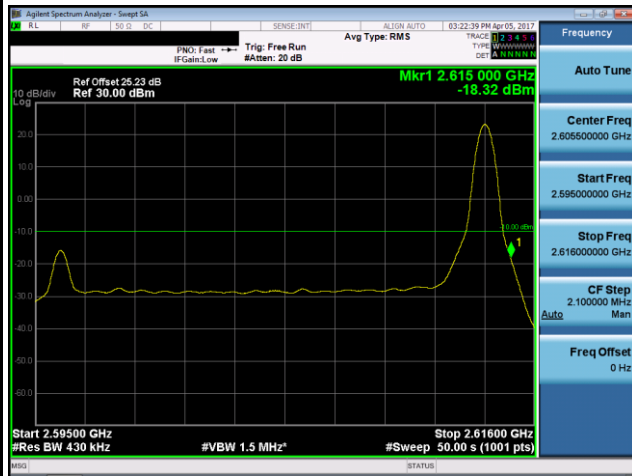
Mode

Low Channel-Full RB



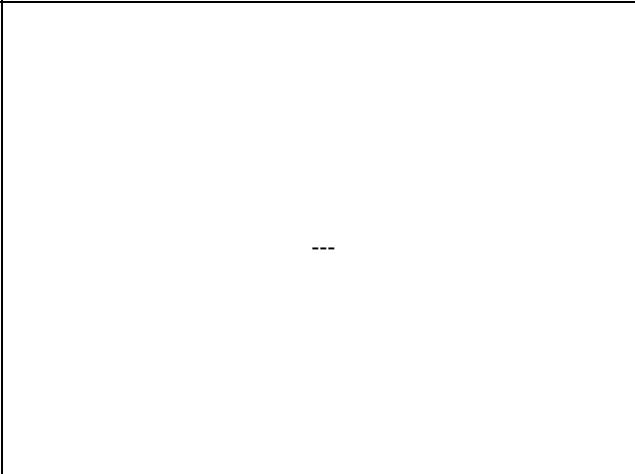
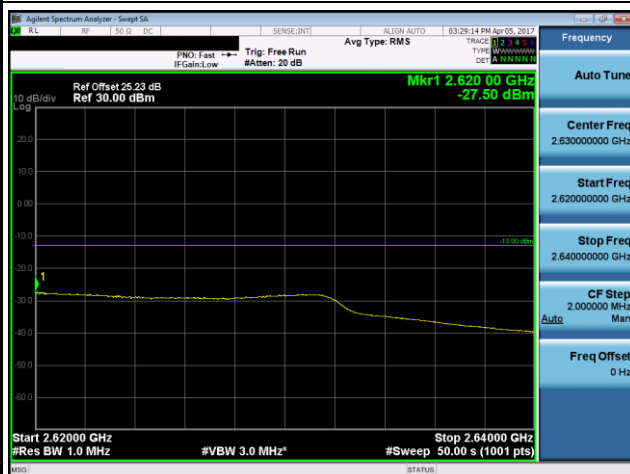
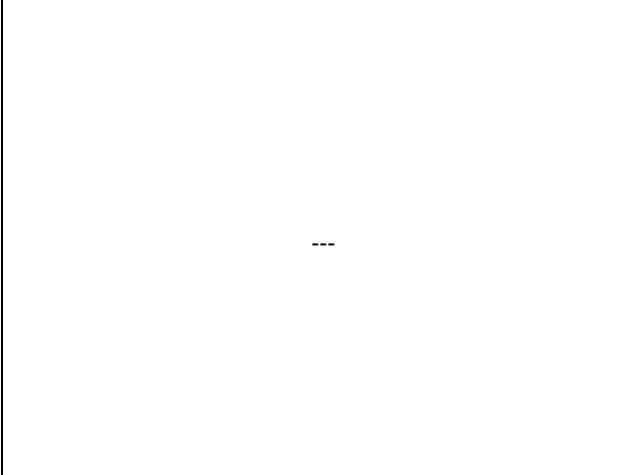
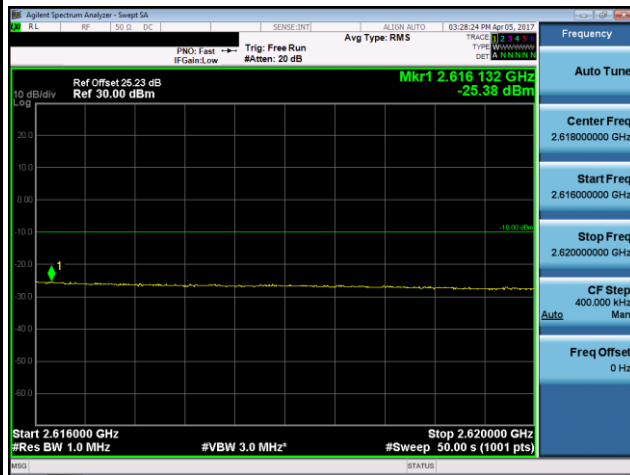
CB:20MHz / QPSK

Mode High Channel-1RB



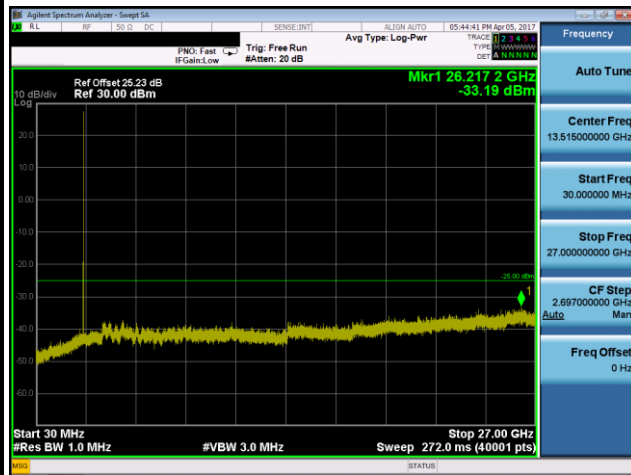
CB:20MHz / QPSK

Mode High Channel-Full RB

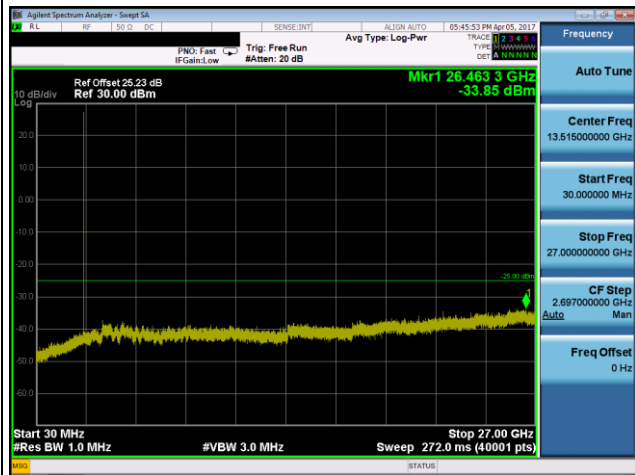


CB: 20MHz / 16QAM

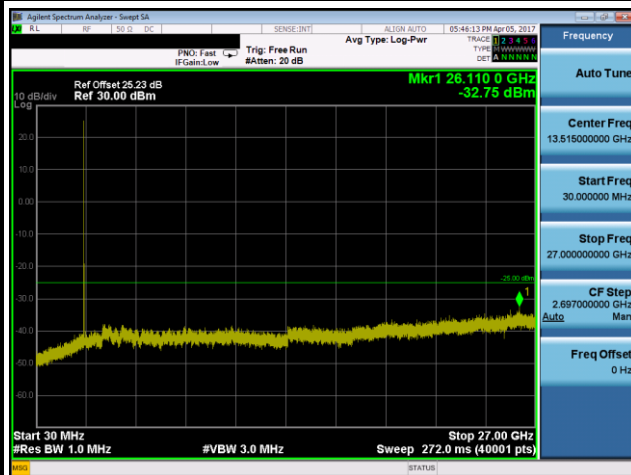
Mode Low Channel



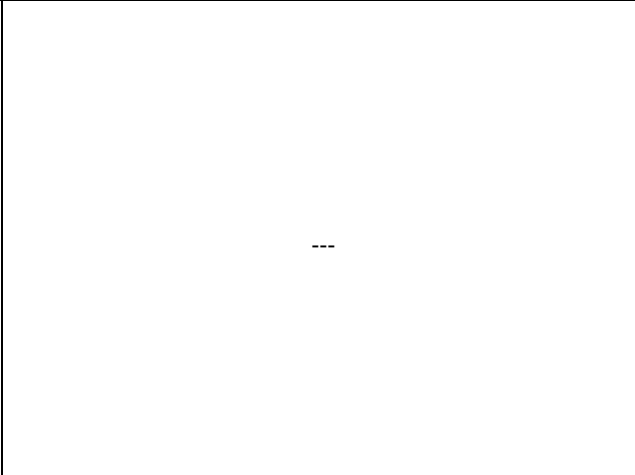
Mode Middle Channel



Mode High Channel

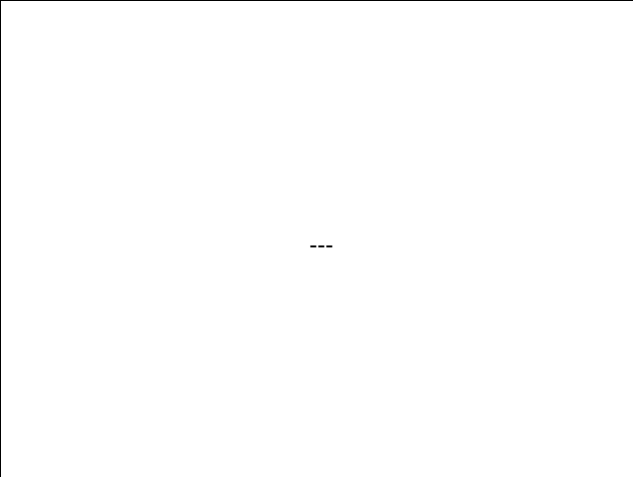
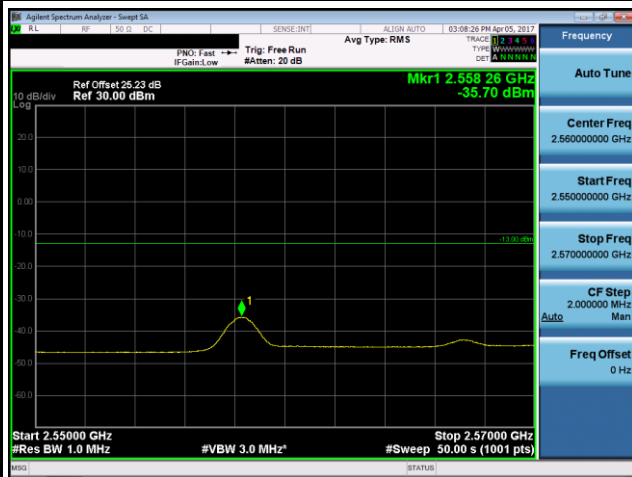
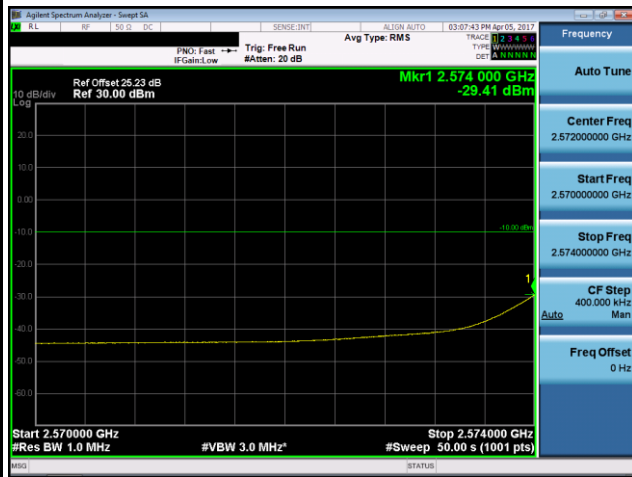
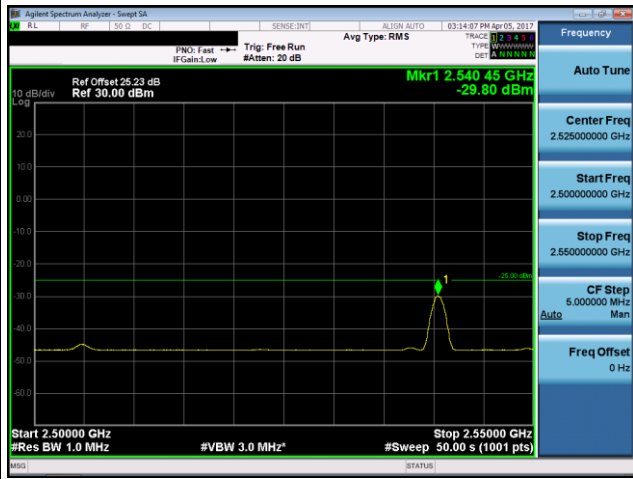
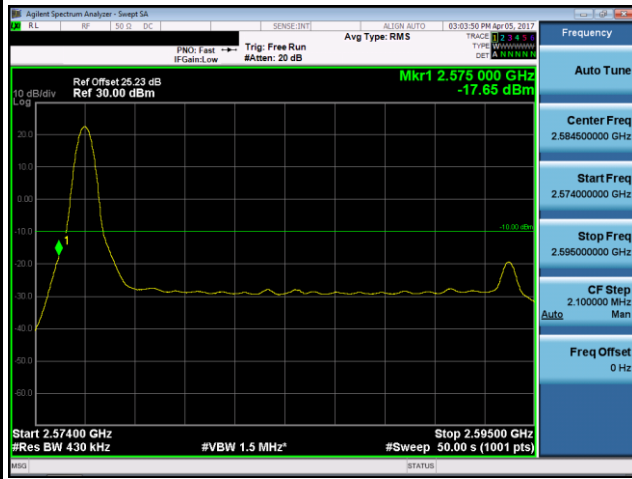


Mode ---



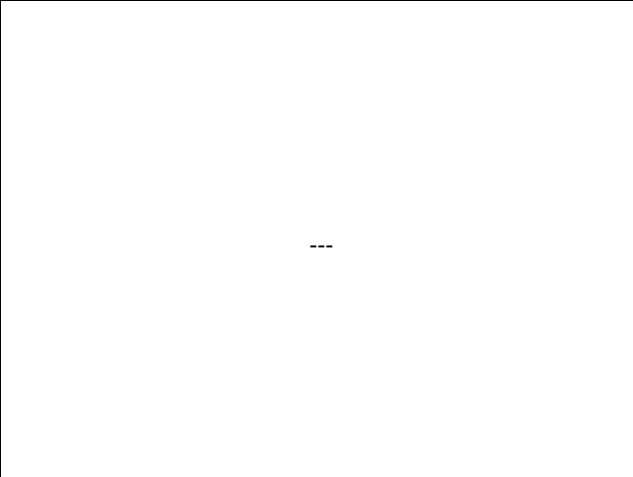
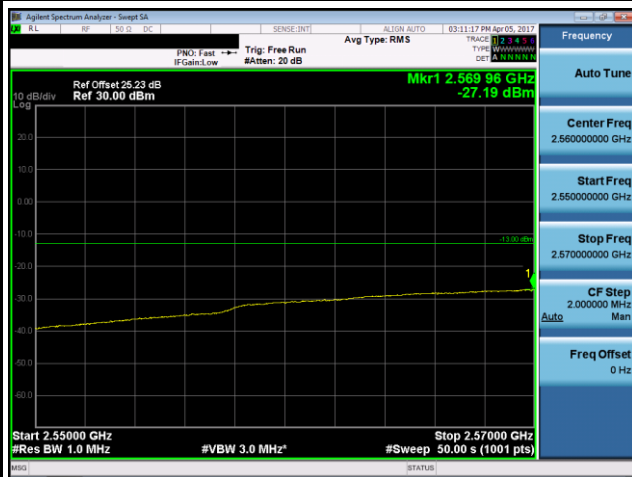
CB: 20MHz / 16QAM

Mode Low Channel-1RB



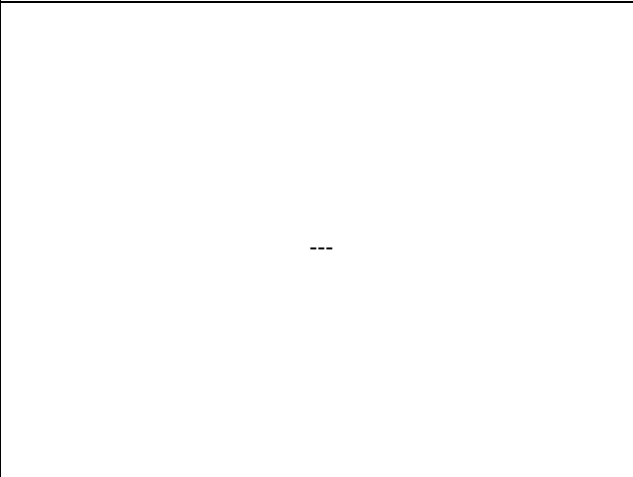
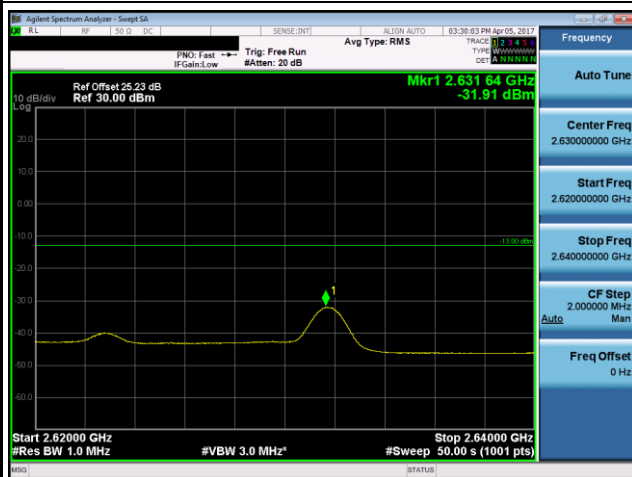
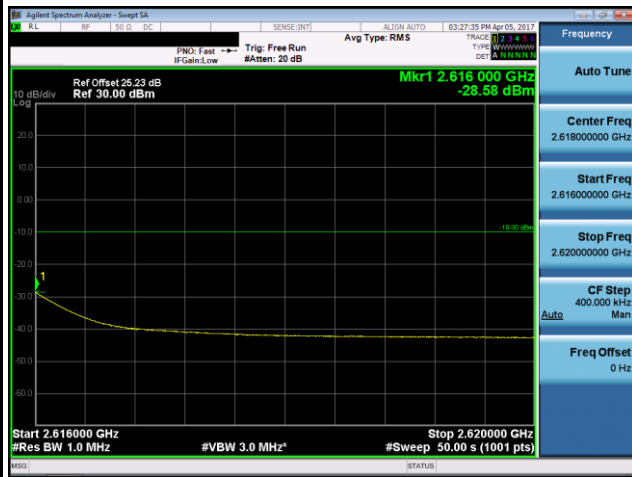
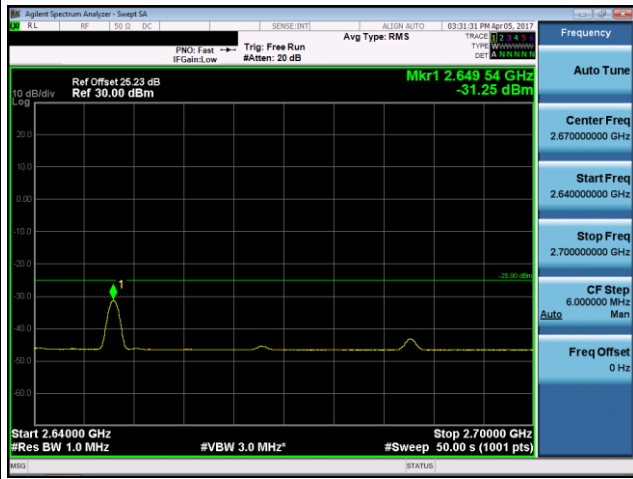
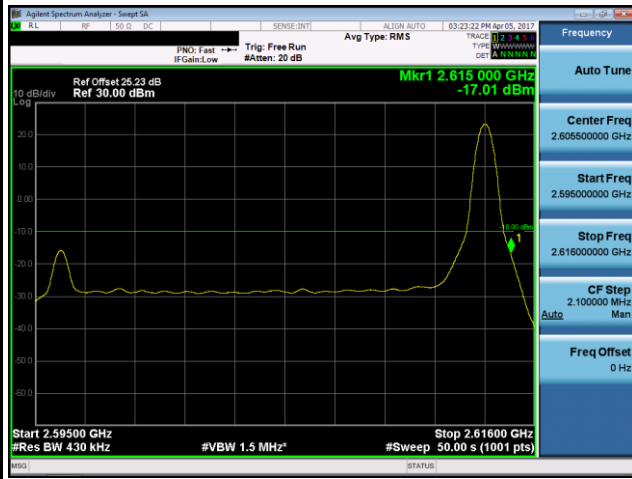
CB: 20MHz / 16QAM

Mode Low Channel-Full RB



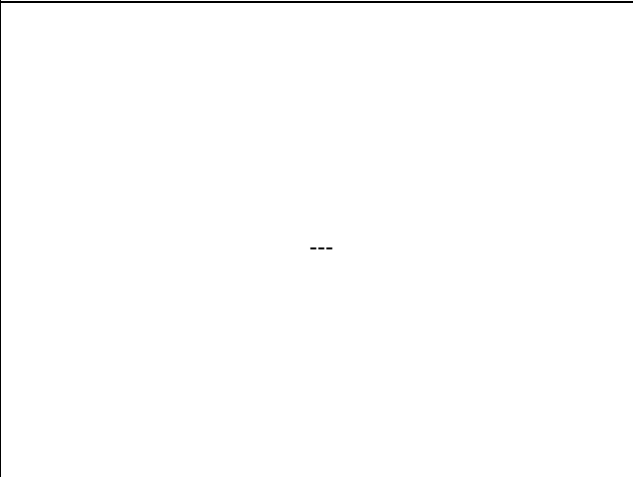
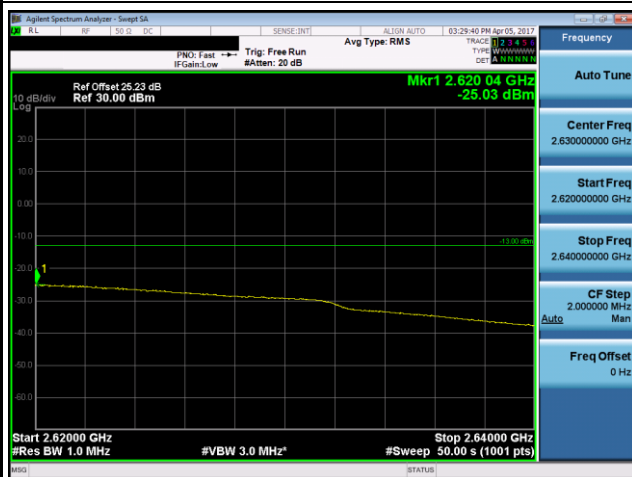
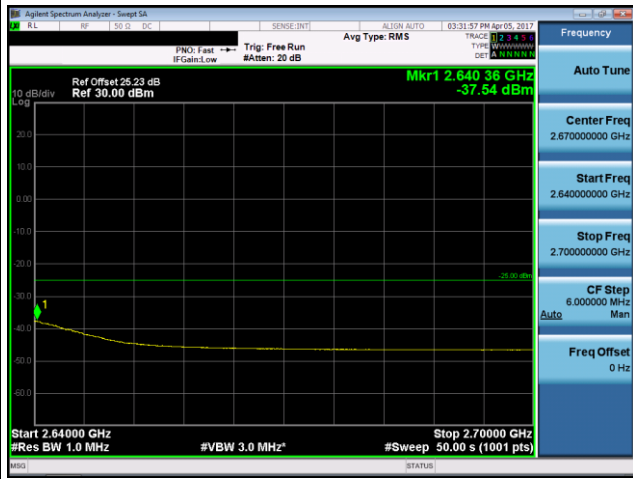
CB: 20MHz / 16QAM

Mode High Channel-1RB



CB: 20MHz / 16QAM

Mode High Channel-Full RB



3.4 Channel Bandwidth

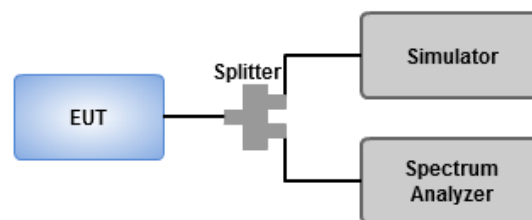
3.4.1 Limit of Channel Bandwidth

The channel bandwidth shall be equal to or greater than 1 MHz and shall be reported by the certification applicant.

3.4.2 Test Procedures

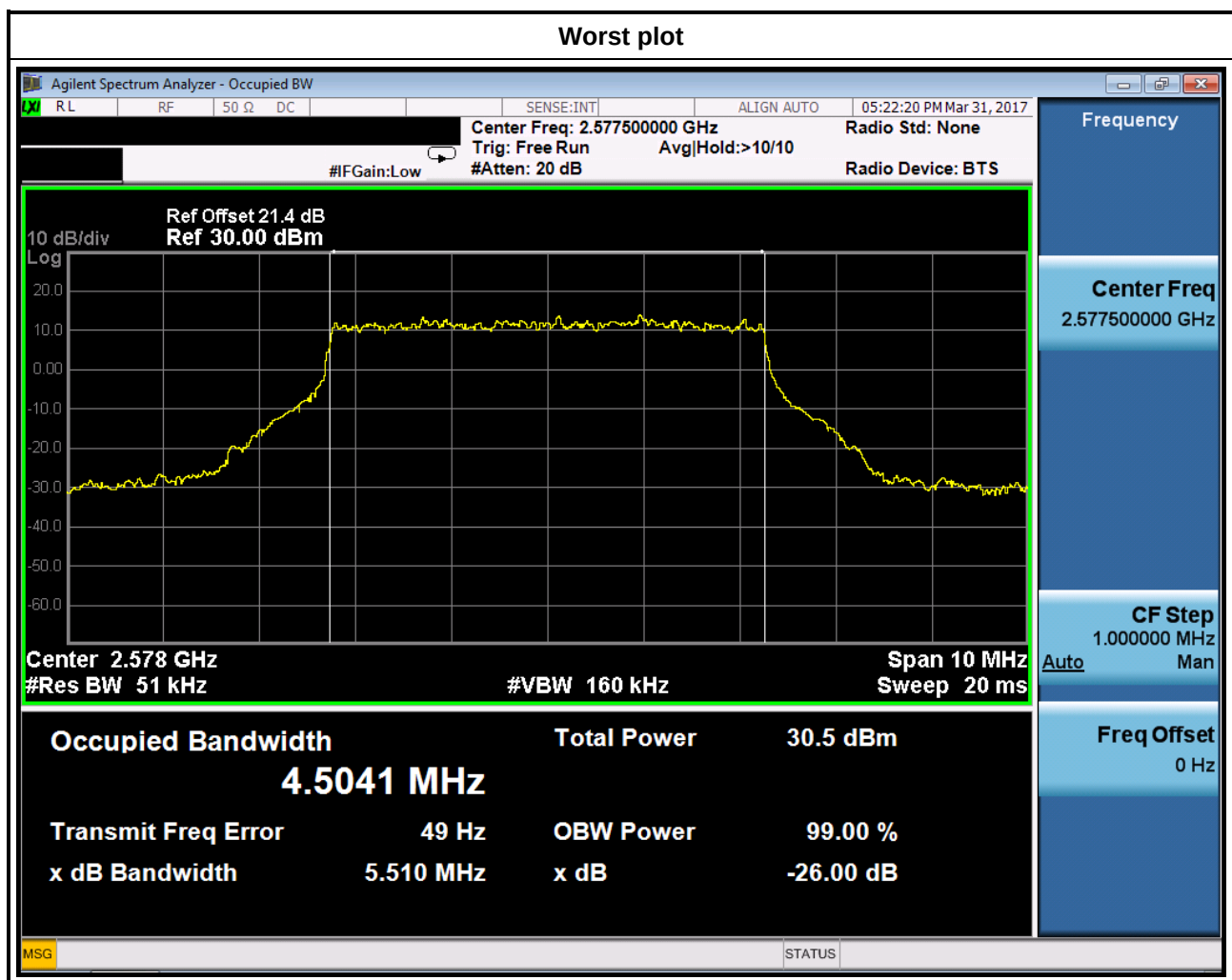
1. Set resolution bandwidth (RBW) = 51 ~ 200 kHz, Video bandwidth = 160 ~ 620 kHz for channel bandwidth 5 ~ 20 MHz
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Using OBW bandwidth measurement function of spectrum analyzer to measure OBW bandwidth

3.4.3 Test Setup

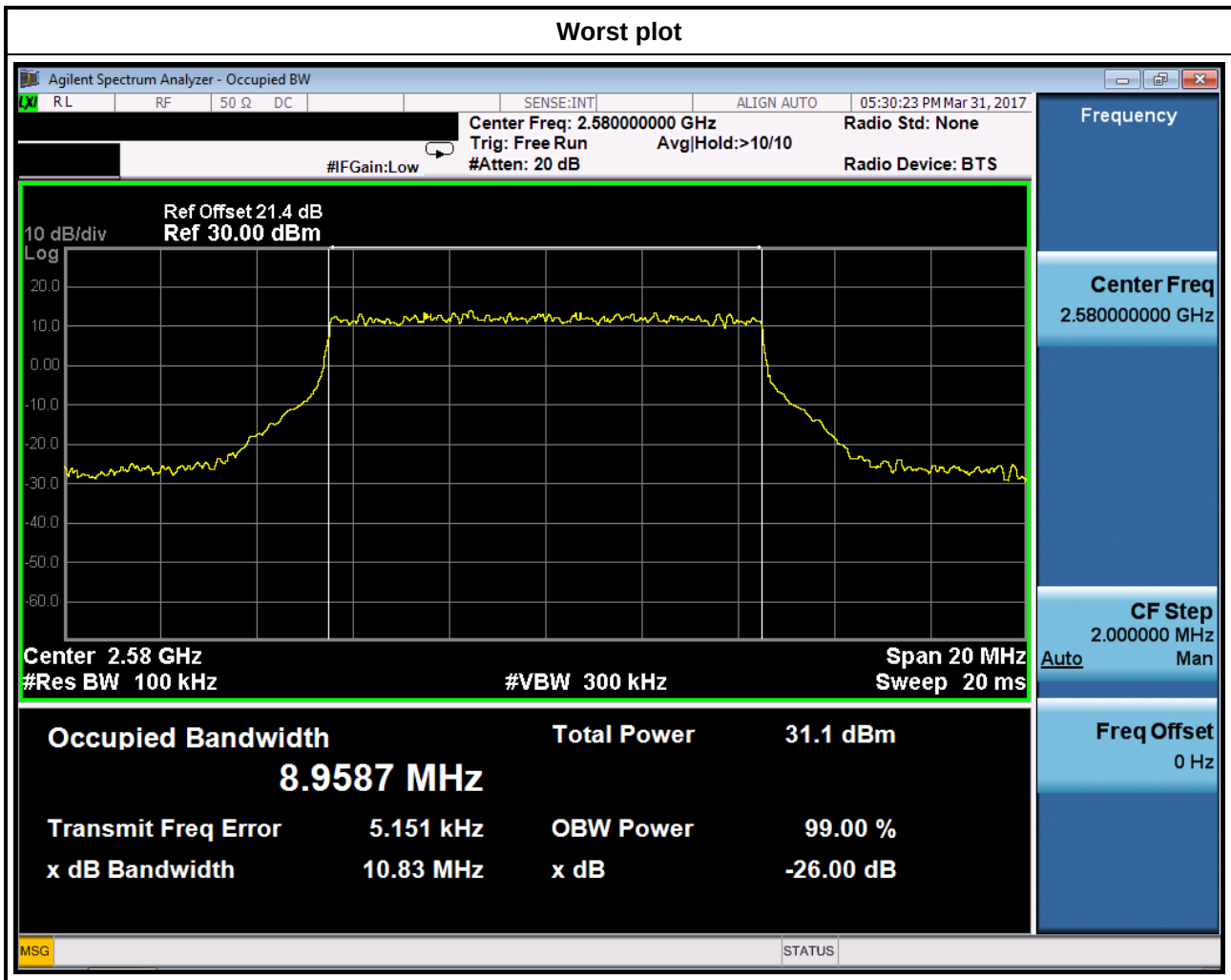


3.4.4 Test Result of Channel Bandwidth

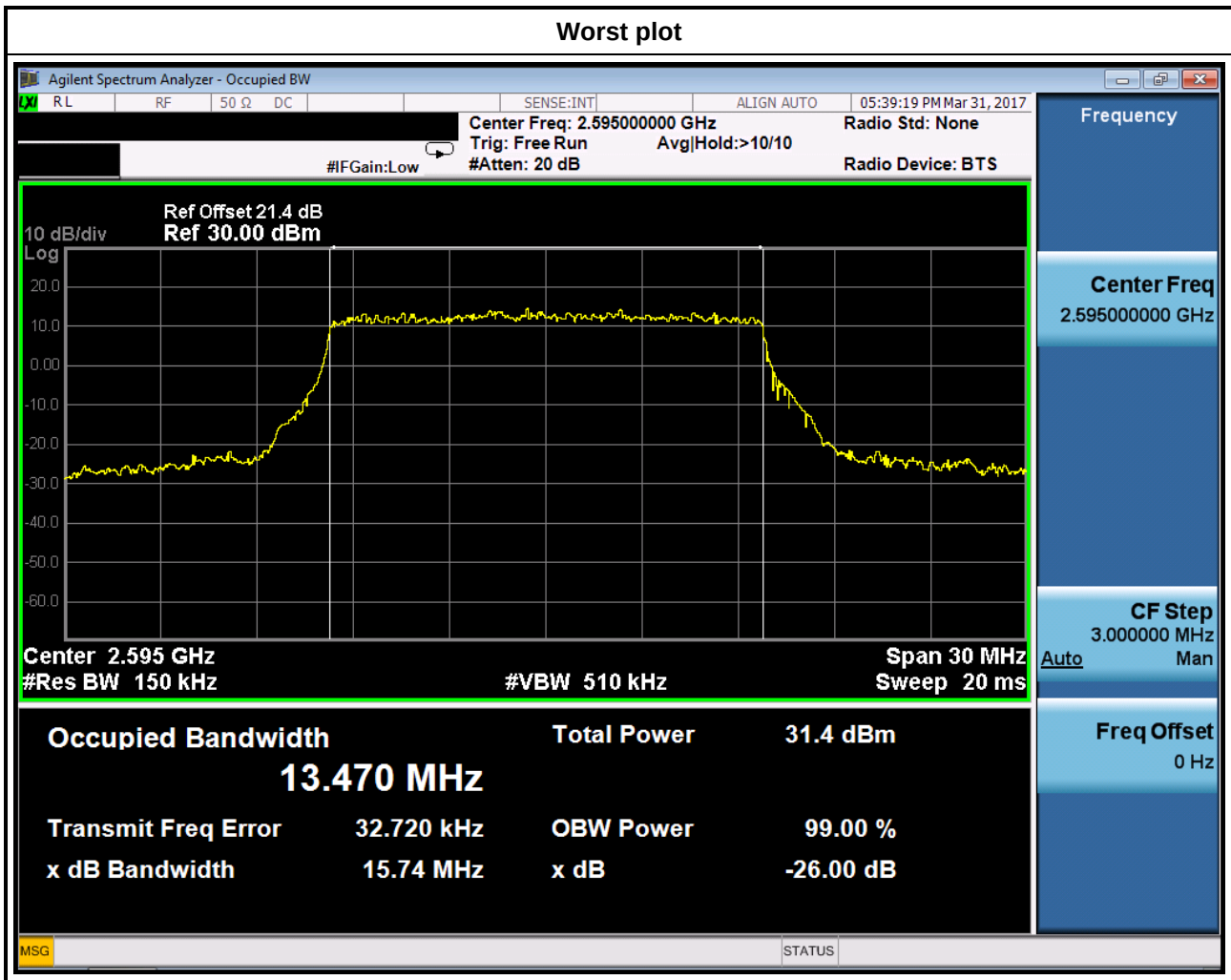
Mode	Modulation	Frequency (MHz)	99% OBW (MHz)
CB:5MHz	QPSK	2577.5	4.5041
CB:5MHz	QPSK	2595.0	4.5016
CB:5MHz	QPSK	2612.5	4.4970
CB:5MHz	16QAM	2577.5	4.4828
CB:5MHz	16QAM	2595.0	4.4821
CB:5MHz	16QAM	2612.5	4.4847



Mode	Modulation	Frequency (MHz)	99% OBW (MHz)
CB:10MHz	QPSK	2580.0	8.9545
CB:10MHz	QPSK	2595.0	8.9574
CB:10MHz	QPSK	2610.0	8.9528
CB:10MHz	16QAM	2580.0	8.9587
CB:10MHz	16QAM	2595.0	8.9585
CB:10MHz	16QAM	2610.0	8.9557

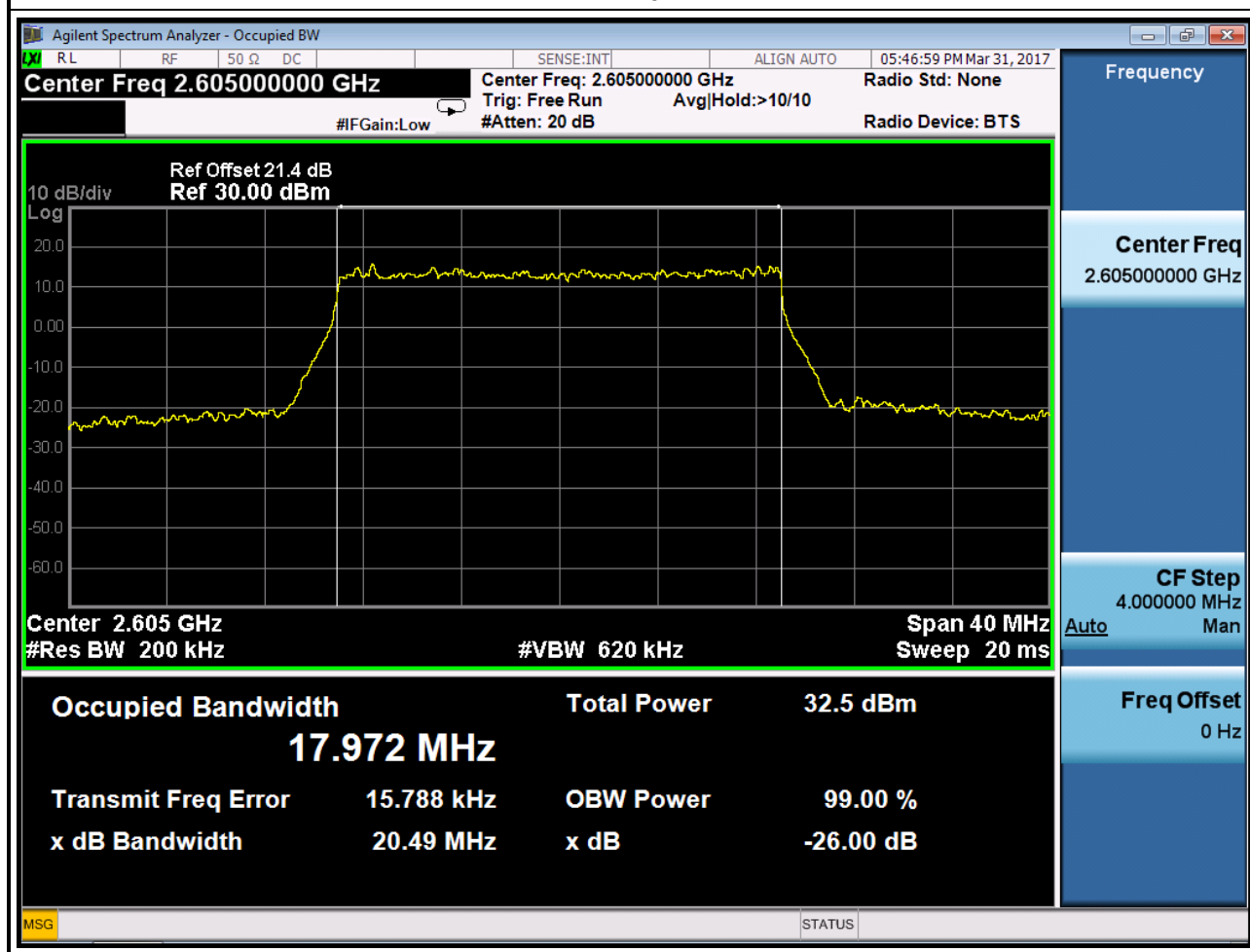


Mode	Modulation	Frequency (MHz)	99% OBW (MHz)
CB: 15MHz	QPSK	2582.5	13.4230
CB: 15MHz	QPSK	2595.0	13.4140
CB: 15MHz	QPSK	2607.5	13.3990
CB: 15MHz	16QAM	2582.5	13.4650
CB: 15MHz	16QAM	2595.0	13.4700
CB: 15MHz	16QAM	2607.5	13.4330



Mode	Modulation	Frequency (MHz)	99% OBW (MHz)
CB: 20MHz	QPSK	2585.0	17.9060
CB: 20MHz	QPSK	2595.0	17.8970
CB: 20MHz	QPSK	2605.0	17.8940
CB: 20MHz	16QAM	2585.0	17.9560
CB: 20MHz	16QAM	2595.0	17.9580
CB: 20MHz	16QAM	2605.0	17.9720

Worst plot



3.5 Peak to Average Ratio

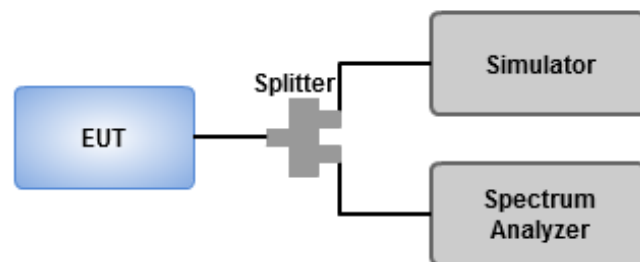
3.5.1 Limit of Peak to Average Ratio

The Peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

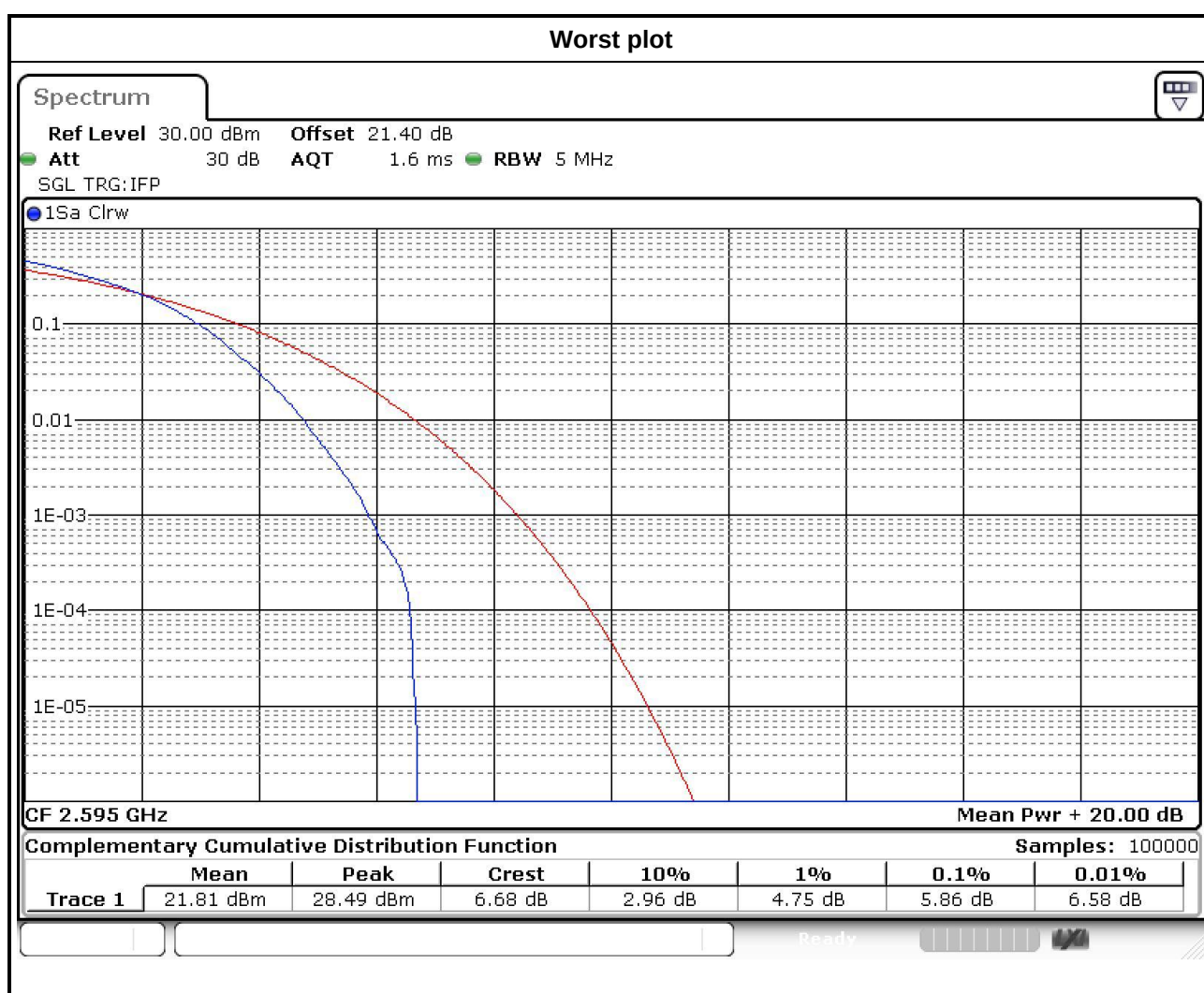
1. Set the number of counts to a value that stabilizes the measured CCDF curve.
2. Set the measurement interval to 1 ms.
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.5.3 Test Setup

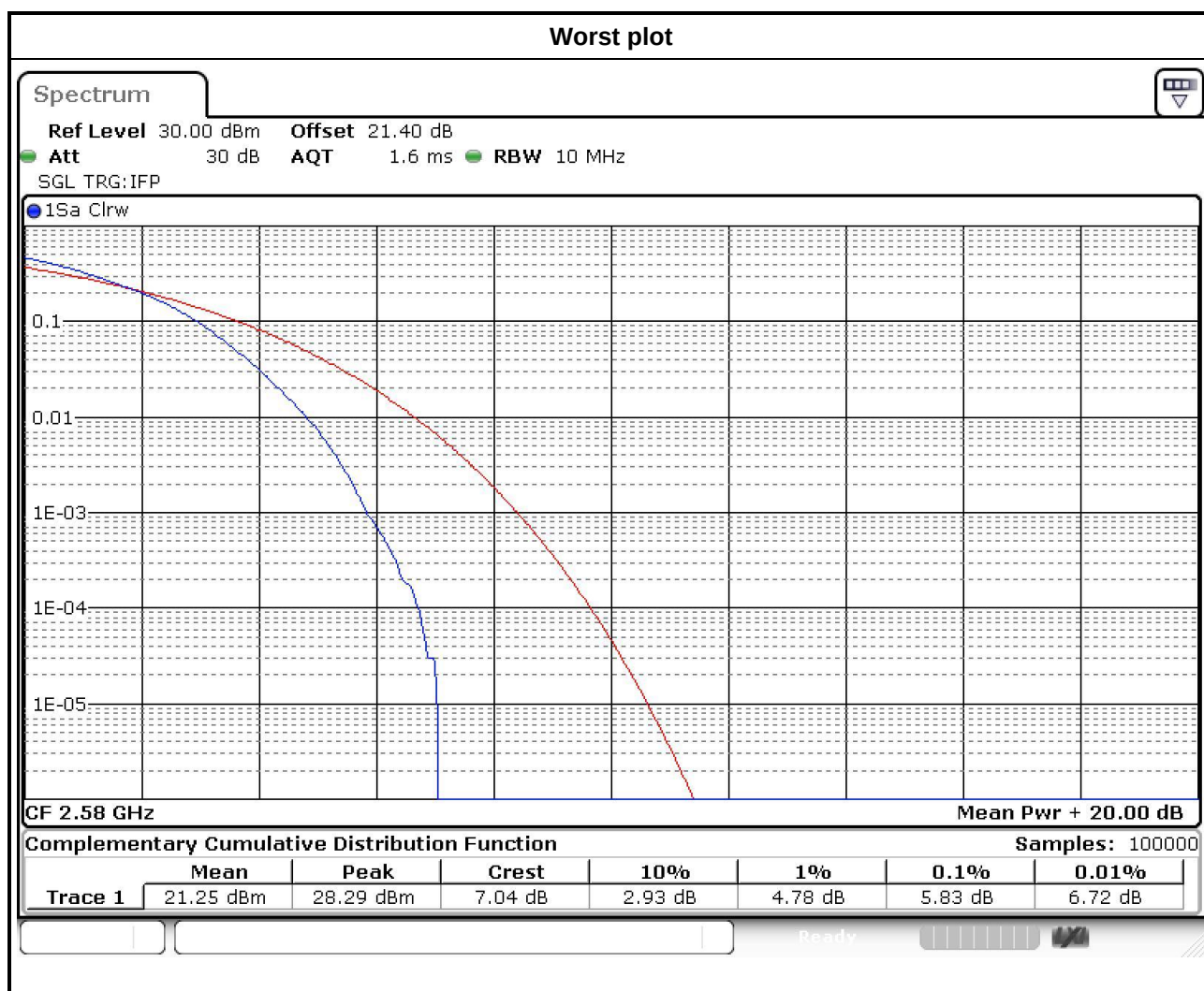


3.5.4 Test Result of Peak to Average Ratio

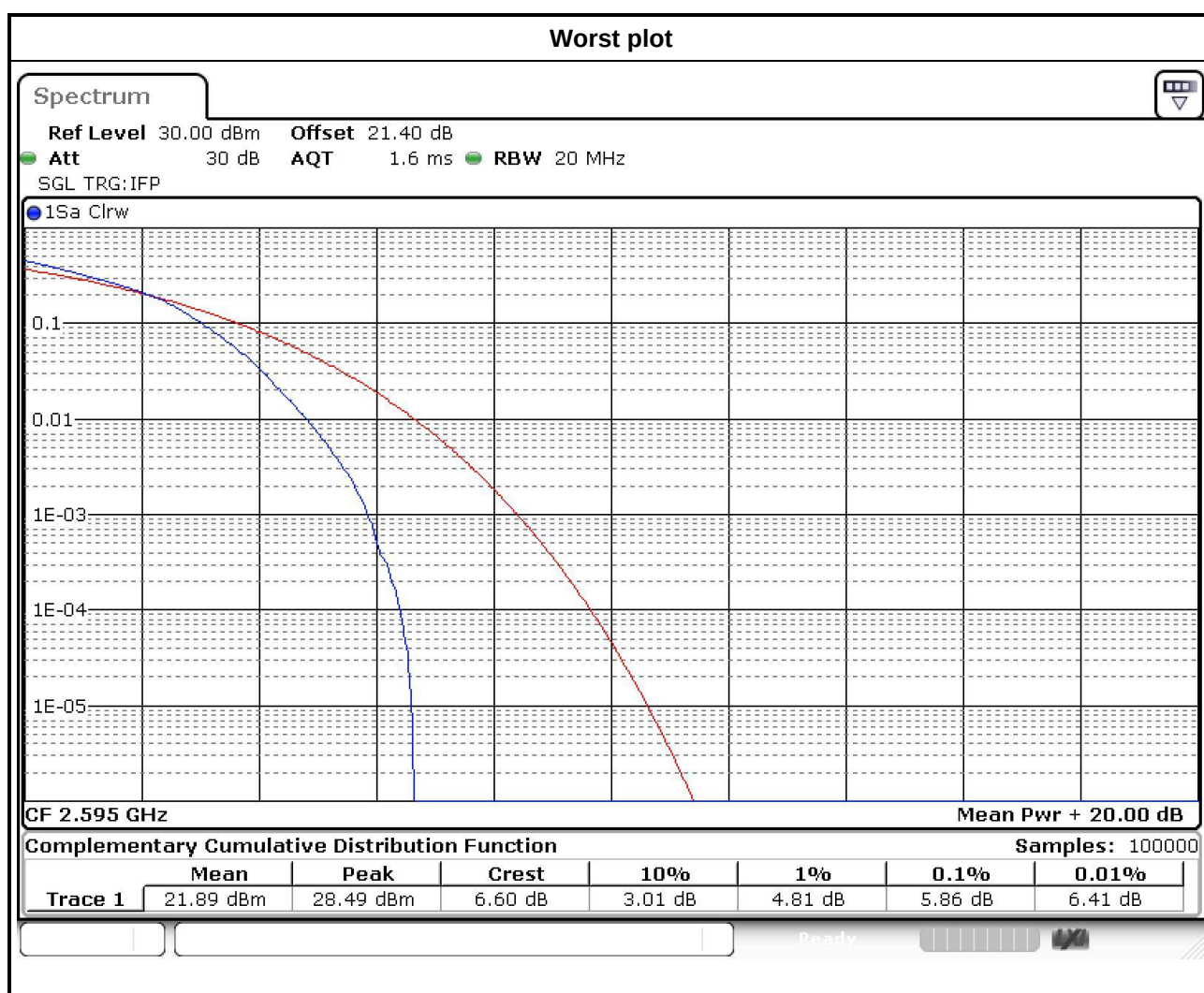
Mode	Modulation	Frequency (MHz)	Peak to Average Ratio (dB)
CB:5MHz	QPSK	2577.5	5.0700
CB:5MHz	QPSK	2595.0	5.0100
CB:5MHz	QPSK	2612.5	4.9600
CB:5MHz	16QAM	2577.5	5.8300
CB:5MHz	16QAM	2595.0	5.8600
CB:5MHz	16QAM	2612.5	5.7700



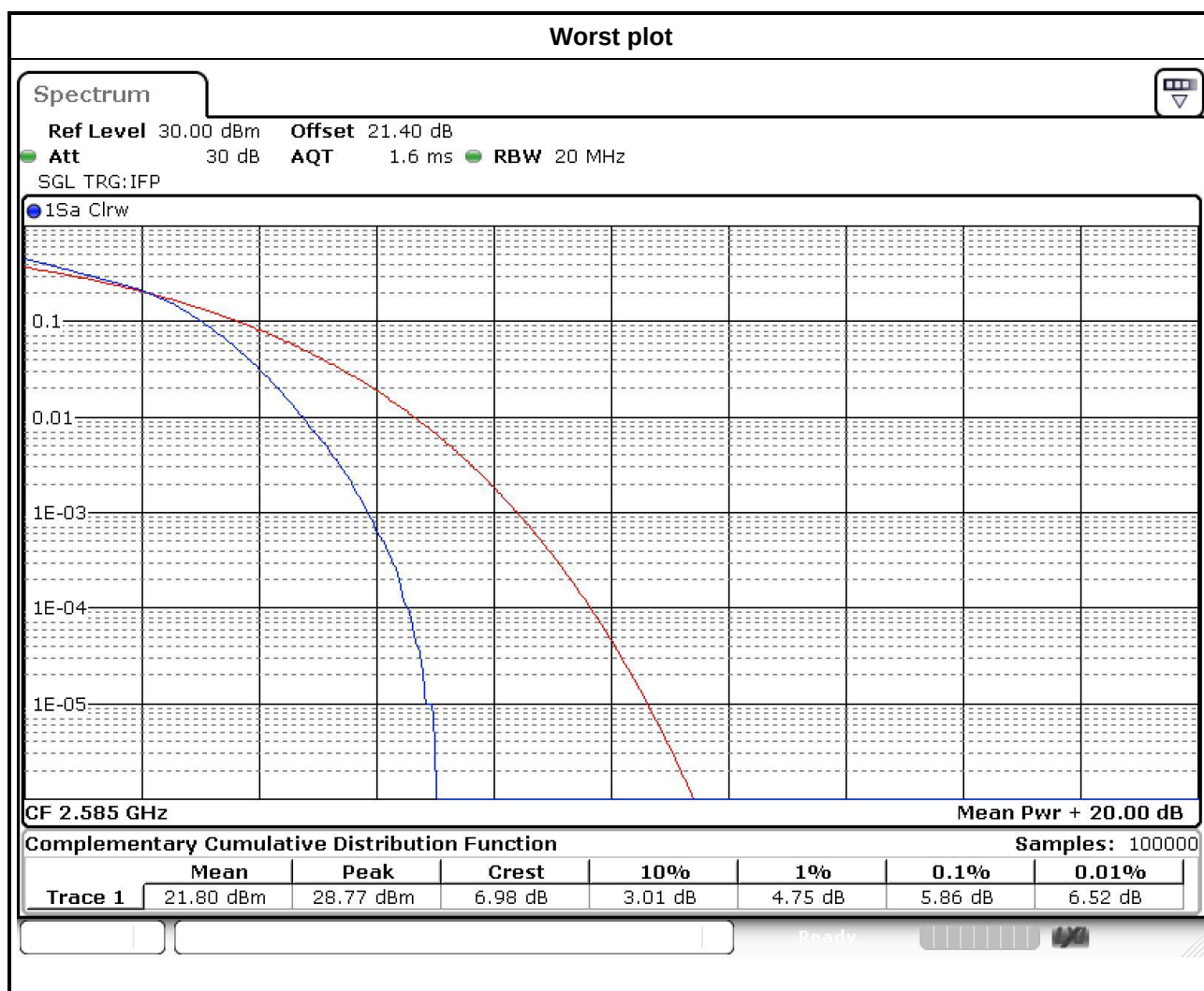
Mode	Modulation	Frequency (MHz)	Peak to Average Ratio (dB)
CB:10MHz	QPSK	2580.0	5.1300
CB:10MHz	QPSK	2595.0	5.1900
CB:10MHz	QPSK	2610.0	4.9900
CB:10MHz	16QAM	2580.0	5.8300
CB:10MHz	16QAM	2595.0	5.7400
CB:10MHz	16QAM	2610.0	5.7700



Mode	Modulation	Frequency (MHz)	Peak to Average Ratio (dB)
CB: 15MHz	QPSK	2582.5	5.1900
CB: 15MHz	QPSK	2595.0	5.1600
CB: 15MHz	QPSK	2607.5	5.1000
CB: 15MHz	16QAM	2582.5	5.8600
CB: 15MHz	16QAM	2595.0	5.8600
CB: 15MHz	16QAM	2607.5	5.8300



Mode	Modulation	Frequency (MHz)	Peak to Average Ratio (dB)
CB: 20MHz	QPSK	2585.0	5.2500
CB: 20MHz	QPSK	2595.0	5.1900
CB: 20MHz	QPSK	2605.0	5.1000
CB: 20MHz	16QAM	2585.0	5.8600
CB: 20MHz	16QAM	2595.0	5.8000
CB: 20MHz	16QAM	2605.0	5.7700



3.6 Frequency Stability

3.6.1 Limit of Frequency Stability

The applicant shall ensure frequency stability by showing that f_L minus the frequency offset and f_H plus the frequency offset shall be within the frequency range that the equipment is designed to operate

3.6.2 Test Procedures

For Frequency Tolerance

1. EUT was placed at temperature chamber and connected to an external power supply.
2. Temperature and voltage condition shall be tested to confirm frequency stability.
3. Temperature range is from $-40\sim 60^{\circ}\text{C}$ and voltage range is from lowest to highest working voltage.
4. Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

For F_L and F_H

1. Select the lowest operating frequency of the equipment under test.
2. Connect the UUT to the spectrum analyzer and use the following settings for the spectrum analyzer:

RBW = 1 % occupied bandwidth.

VBW = 3 X RBW.

Using the marker of the spectrum analyzer, find the lowest frequency below the operating frequency at which the spectral power density drops below the level given in Section 5.7 of RSS-197. This frequency shall be recorded as F_L .

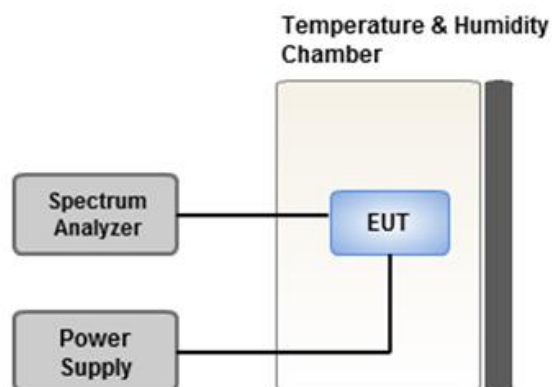
3. Select the highest operating frequency of the equipment under test.
4. Connect the UUT to the spectrum analyzer and use the following settings for the spectrum analyzer:

RBW = 1 % occupied bandwidth.

VBW = 3 X RBW.

Using the marker of the spectrum analyzer, find the highest frequency below the operating frequency at which the spectral power density drops below the level given in Section 5.7 of RSS-197. This frequency shall be recorded as F_H .

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

CB: 5MHz

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 12			
	2577.5 MHz				2612.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-24.9	-38.8	-21.9	-24.0	25.4	39.9	35.2	38.9
T20°CVmin	-31.9	-13.2	-15.2	-14.4	31.3	38.3	25.4	19.1
T50°CVnom	-13.2	-14.9	-28.8	-34.8	31.5	37.7	38.2	13.2
T40°CVnom	-28.4	-10.9	-18.3	-38.6	13.6	30.0	33.0	36.4
T30°CVnom	-38.4	-17.2	-30.1	-27.6	18.0	16.9	14.0	18.7
T20°CVnom	-30.4	-33.3	-35.7	-37.6	18.3	33.9	31.6	39.1
T10°CVnom	-28.2	-18.7	-13.0	-17.5	37.8	23.0	36.1	19.0
T0°CVnom	-10.8	-25.4	-10.5	-15.6	19.0	20.4	15.1	17.0
T-10°CVnom	-22.6	-38.5	-14.7	-28.0	31.8	26.6	12.5	17.1
T-20°CVnom	-12.5	-16.7	-17.0	-33.8	29.5	18.1	26.8	23.4
T-30°CVnom	-31.8	-24.9	-18.4	-20.1	22.1	19.5	28.1	31.8
Vnom [V] : 110Vmax [V] : 126.5Vmin [V] : 93.5								
Tnom [°C] : 20Tmax [°C] : 50Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2577.5 MHz				2612.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-22.4	-22.1	-37.3	-25.1	20.7	18.0	39.3	15.8
T20°CVmin	-12.4	-23.2	-18.0	-33.6	30.5	27.1	31.9	16.3
T50°CVnom	-35.5	-21.1	-29.9	-36.5	37.8	13.8	21.9	14.6
T40°CVnom	-38.6	-35.3	-24.8	-31.9	23.0	22.7	15.5	30.8
T30°CVnom	-20.7	-18.6	-17.4	-25.9	26.7	16.1	36.6	31.2
T20°CVnom	-23.7	-13.0	-38.8	-14.1	30.1	38.3	18.2	34.2
T10°CVnom	-36.1	-28.0	-38.8	-39.4	22.2	23.6	31.4	32.4
T0°CVnom	-10.8	-22.5	-10.1	-14.5	32.7	10.4	20.0	11.3
T-10°CVnom	-36.8	-36.2	-36.2	-31.4	28.9	36.5	30.2	33.3
T-20°CVnom	-27.2	-20.8	-13.4	-18.0	36.0	30.5	25.5	17.7
T-30°CVnom	-23.6	-14.8	-31.7	-38.9	18.0	33.8	38.9	34.2
Vnom [V] : 110Vmax [V] : 126.5Vmin [V] : 93.5								
Tnom [°C] : 20Tmax [°C] : 50Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 12			
	2577.5 MHz / F _L (MHz)				2612.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.03101	2575.03099	2575.03101	2575.03101	2614.99101	2614.99102	2614.99102	2614.99102
T20°CVmin	2575.03100	2575.03102	2575.03102	2575.03102	2614.99101	2614.99102	2614.99101	2614.99100
T50°CVnom	2575.03102	2575.03102	2575.03100	2575.03100	2614.99101	2614.99102	2614.99102	2614.99099
T40°CVnom	2575.03100	2575.03102	2575.03101	2575.03099	2614.99100	2614.99101	2614.99101	2614.99102
T30°CVnom	2575.03099	2575.03101	2575.03100	2575.03100	2614.99100	2614.99100	2614.99100	2614.99100
T20°CVnom	2575.03100	2575.03100	2575.03099	2575.03099	2614.99100	2614.99102	2614.99101	2614.99102
T10°CVnom	2575.03100	2575.03101	2575.03102	2575.03101	2614.99102	2614.99100	2614.99102	2614.99100
T0°CVnom	2575.03102	2575.03101	2575.03102	2575.03101	2614.99100	2614.99100	2614.99100	2614.99100
T-10°CVnom	2575.03101	2575.03099	2575.03102	2575.03100	2614.99101	2614.99101	2614.99099	2614.99100
T-20°CVnom	2575.03102	2575.03101	2575.03101	2575.03100	2614.99101	2614.99100	2614.99101	2614.99101
T-30°CVnom	2575.03100	2575.03101	2575.03101	2575.03101	2614.99100	2614.99100	2614.99101	2614.99101
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2577.5 MHz / F _L (MHz)				2612.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.16300	2575.16300	2575.16300	2575.16299	2614.84199	2614.84198	2614.84203	2614.84199
T20°CVmin	2575.16301	2575.16300	2575.16302	2575.16298	2614.84200	2614.84199	2614.84202	2614.84199
T50°CVnom	2575.16299	2575.16300	2575.16301	2575.16297	2614.84201	2614.84198	2614.84201	2614.84199
T40°CVnom	2575.16299	2575.16299	2575.16301	2575.16298	2614.84199	2614.84199	2614.84201	2614.84201
T30°CVnom	2575.16300	2575.16300	2575.16302	2575.16298	2614.84200	2614.84198	2614.84203	2614.84201
T20°CVnom	2575.16300	2575.16301	2575.16300	2575.16300	2614.84200	2614.84200	2614.84201	2614.84201
T10°CVnom	2575.16299	2575.16299	2575.16300	2575.16297	2614.84199	2614.84199	2614.84202	2614.84201
T0°CVnom	2575.16301	2575.16300	2575.16303	2575.16300	2614.84200	2614.84197	2614.84201	2614.84199
T-10°CVnom	2575.16299	2575.16298	2575.16300	2575.16298	2614.84200	2614.84200	2614.84202	2614.84201
T-20°CVnom	2575.16300	2575.16300	2575.16302	2575.16299	2614.84201	2614.84199	2614.84202	2614.84199
T-30°CVnom	2575.16300	2575.16301	2575.16300	2575.16297	2614.84199	2614.84200	2614.84203	2614.84201
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 12			
	2577.5 MHz				2612.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-27.4	-21.7	-15.8	-33.5	11.7	16.3	18.5	24.4
T20°CVmin	-22.6	-27.4	-32.1	-34.2	37.5	17.6	10.1	28.0
T50°CVnom	-10.0	-10.1	-17.2	-11.4	32.9	38.5	28.1	14.1
T40°CVnom	-29.4	-19.2	-16.8	-34.8	36.5	34.5	33.5	28.6
T30°CVnom	-23.9	-38.1	-26.8	-30.0	26.5	36.2	38.4	18.3
T20°CVnom	-30.9	-23.1	-27.5	-22.9	27.6	21.5	30.4	30.1
T10°CVnom	-17.4	-12.6	-39.9	-14.6	25.0	21.1	39.7	35.4
T0°CVnom	-17.6	-22.3	-35.0	-13.9	16.9	21.0	30.3	39.9
T-10°CVnom	-32.3	-12.1	-30.8	-20.5	24.8	11.6	28.3	39.7
T-20°CVnom	-14.7	-12.3	-18.3	-37.8	23.4	17.4	12.5	20.2
T-30°CVnom	-12.1	-12.3	-11.9	-13.2	33.1	32.2	12.6	25.3
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2577.5 MHz				2612.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-36.2	-26.2	-32.0	-26.3	21.6	34.7	35.6	39.0
T20°CVmin	-21.4	-17.4	-19.2	-14.2	36.5	24.1	12.1	10.5
T50°CVnom	-17.7	-34.4	-28.7	-19.6	30.0	30.8	39.3	39.2
T40°CVnom	-36.2	-34.3	-19.5	-37.8	29.4	26.0	27.4	30.2
T30°CVnom	-35.6	-36.3	-22.3	-21.7	28.5	32.7	28.5	12.9
T20°CVnom	-10.1	-22.1	-29.5	-18.2	31.0	25.8	30.0	24.5
T10°CVnom	-22.6	-25.6	-24.1	-14.4	22.0	32.7	18.2	25.6
T0°CVnom	-22.5	-27.0	-11.3	-12.1	37.4	10.5	36.6	28.1
T-10°CVnom	-39.9	-39.7	-21.0	-26.0	22.1	19.0	13.5	13.4
T-20°CVnom	-24.4	-18.6	-32.1	-35.1	30.3	16.4	11.7	27.3
T-30°CVnom	-18.0	-28.3	-26.0	-15.7	23.9	20.1	30.6	30.1
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 12			
	2577.5 MHz / F _L (MHz)				2612.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.03000	2575.03000	2575.02999	2575.02999	2614.98698	2614.98700	2614.98700	2614.98702
T20°CVmin	2575.03001	2575.02999	2575.02998	2575.02999	2614.98701	2614.98700	2614.98699	2614.98702
T50°CVnom	2575.03002	2575.03001	2575.02999	2575.03002	2614.98701	2614.98702	2614.98701	2614.98701
T40°CVnom	2575.03000	2575.03000	2575.02999	2575.02999	2614.98701	2614.98702	2614.98702	2614.98702
T30°CVnom	2575.03001	2575.02998	2575.02998	2575.03000	2614.98700	2614.98702	2614.98702	2614.98701
T20°CVnom	2575.03000	2575.03000	2575.02998	2575.03000	2614.98700	2614.98700	2614.98701	2614.98702
T10°CVnom	2575.03001	2575.03001	2575.02997	2575.03001	2614.98700	2614.98700	2614.98702	2614.98703
T0°CVnom	2575.03001	2575.03000	2575.02998	2575.03001	2614.98699	2614.98700	2614.98701	2614.98703
T-10°CVnom	2575.03000	2575.03001	2575.02998	2575.03001	2614.98700	2614.98699	2614.98701	2614.98703
T-20°CVnom	2575.03002	2575.03001	2575.02999	2575.02999	2614.98700	2614.98700	2614.98700	2614.98701
T-30°CVnom	2575.03002	2575.03001	2575.03000	2575.03001	2614.98701	2614.98701	2614.98700	2614.98702
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2577.5 MHz / F _L (MHz)				2612.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.16097	2575.16100	2575.16102	2575.16101	2614.84099	2614.84101	2614.84100	2614.84101
T20°CVmin	2575.16099	2575.16100	2575.16103	2575.16102	2614.84101	2614.84100	2614.84097	2614.84098
T50°CVnom	2575.16099	2575.16099	2575.16102	2575.16101	2614.84100	2614.84100	2614.84100	2614.84101
T40°CVnom	2575.16097	2575.16099	2575.16103	2575.16099	2614.84100	2614.84100	2614.84099	2614.84100
T30°CVnom	2575.16097	2575.16099	2575.16103	2575.16101	2614.84100	2614.84100	2614.84099	2614.84098
T20°CVnom	2575.16100	2575.16100	2575.16102	2575.16101	2614.84100	2614.84100	2614.84099	2614.84099
T10°CVnom	2575.16099	2575.16100	2575.16102	2575.16102	2614.84099	2614.84100	2614.84098	2614.84099
T0°CVnom	2575.16099	2575.16100	2575.16104	2575.16102	2614.84101	2614.84098	2614.84100	2614.84099
T-10°CVnom	2575.16097	2575.16098	2575.16103	2575.16101	2614.84099	2614.84099	2614.84097	2614.84098
T-20°CVnom	2575.16099	2575.16100	2575.16102	2575.16100	2614.84100	2614.84099	2614.84097	2614.84099
T-30°CVnom	2575.16099	2575.16099	2575.16102	2575.16102	2614.84099	2614.84099	2614.84099	2614.84100
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

CB: 10MHz

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 24			
	2580.0 MHz				2610.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-25.1	-29.7	-29.1	-23.6	17.6	16.0	39.0	23.6
T20°CVmin	-16.3	-33.5	-32.1	-34.1	27.9	18.4	31.5	25.3
T50°CVnom	-30.3	-12.4	-10.2	-34.4	23.4	18.7	34.3	17.5
T40°CVnom	-20.4	-16.2	-26.3	-24.2	16.5	18.0	12.5	15.2
T30°CVnom	-24.1	-17.3	-27.0	-32.0	10.2	31.1	22.3	36.9
T20°CVnom	-24.4	-11.4	-31.9	-30.4	39.3	33.3	37.0	12.5
T10°CVnom	-10.7	-32.0	-17.0	-16.0	29.1	32.4	14.8	29.6
T0°CVnom	-39.3	-21.2	-35.7	-11.3	12.1	15.7	24.1	34.5
T-10°CVnom	-22.6	-29.5	-32.2	-19.9	24.3	22.7	18.0	26.1
T-20°CVnom	-37.5	-21.0	-29.1	-38.1	25.4	17.0	33.7	35.4
T-30°CVnom	-32.9	-11.4	-21.0	-23.2	28.8	14.5	26.8	12.7
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2580.0 MHz				2610.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-15.7	-33.8	-35.8	-32.1	29.9	23.7	13.1	38.5
T20°CVmin	-11.3	-12.3	-16.0	-26.2	30.2	36.5	16.6	23.4
T50°CVnom	-10.1	-29.2	-26.5	-15.6	12.0	21.6	23.1	13.1
T40°CVnom	-26.3	-39.2	-21.8	-27.9	38.2	14.6	26.7	39.0
T30°CVnom	-32.2	-18.0	-29.5	-36.2	10.6	13.1	32.1	11.3
T20°CVnom	-26.5	-31.1	-27.8	-15.7	33.5	35.4	13.6	21.5
T10°CVnom	-20.9	-38.1	-38.6	-24.6	28.1	13.8	29.5	29.2
T0°CVnom	-26.6	-39.9	-32.7	-11.3	10.2	22.9	10.7	30.2
T-10°CVnom	-22.8	-12.4	-23.5	-23.6	26.4	29.8	36.4	31.6
T-20°CVnom	-36.0	-16.8	-28.2	-34.8	35.8	38.8	21.8	10.9
T-30°CVnom	-25.6	-22.5	-37.1	-12.7	37.9	31.2	30.8	12.0
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 24			
	2580.0 MHz / F _L (MHz)				2610.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.16200	2575.16199	2575.16200	2575.16200	2614.85998	2614.85998	2614.86000	2614.85998
T20°CVmin	2575.16201	2575.16199	2575.16199	2575.16199	2614.85999	2614.85998	2614.85999	2614.85999
T50°CVnom	2575.16199	2575.16201	2575.16201	2575.16199	2614.85998	2614.85998	2614.86000	2614.85998
T40°CVnom	2575.16200	2575.16201	2575.16200	2575.16200	2614.85998	2614.85998	2614.85997	2614.85998
T30°CVnom	2575.16200	2575.16201	2575.16200	2575.16199	2614.85997	2614.85999	2614.85998	2614.86000
T20°CVnom	2575.16200	2575.16201	2575.16199	2575.16199	2614.86000	2614.85999	2614.86000	2614.85997
T10°CVnom	2575.16201	2575.16199	2575.16201	2575.16201	2614.85999	2614.85999	2614.85998	2614.85999
T0°CVnom	2575.16199	2575.16200	2575.16199	2575.16201	2614.85997	2614.85998	2614.85998	2614.86000
T-10°CVnom	2575.16200	2575.16199	2575.16199	2575.16200	2614.85999	2614.85998	2614.85998	2614.85999
T-20°CVnom	2575.16199	2575.16200	2575.16200	2575.16199	2614.85999	2614.85998	2614.85999	2614.86000
T-30°CVnom	2575.16199	2575.16201	2575.16200	2575.16200	2614.85999	2614.85998	2614.85999	2614.85997
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2580.0 MHz / F _L (MHz)				2610.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.33401	2575.33398	2575.33397	2575.33398	2614.67200	2614.67197	2614.67200	2614.67202
T20°CVmin	2575.33402	2575.33400	2575.33399	2575.33399	2614.67200	2614.67199	2614.67200	2614.67200
T50°CVnom	2575.33402	2575.33398	2575.33398	2575.33400	2614.67198	2614.67197	2614.67201	2614.67199
T40°CVnom	2575.33400	2575.33397	2575.33399	2575.33398	2614.67200	2614.67196	2614.67201	2614.67202
T30°CVnom	2575.33399	2575.33400	2575.33398	2575.33398	2614.67198	2614.67196	2614.67202	2614.67199
T20°CVnom	2575.33400	2575.33398	2575.33398	2575.33400	2614.67200	2614.67199	2614.67200	2614.67200
T10°CVnom	2575.33401	2575.33398	2575.33397	2575.33399	2614.67199	2614.67196	2614.67202	2614.67201
T0°CVnom	2575.33400	2575.33397	2575.33398	2575.33400	2614.67198	2614.67197	2614.67200	2614.67201
T-10°CVnom	2575.33400	2575.33400	2575.33399	2575.33399	2614.67199	2614.67198	2614.67202	2614.67201
T-20°CVnom	2575.33399	2575.33400	2575.33398	2575.33398	2614.67200	2614.67199	2614.67201	2614.67199
T-30°CVnom	2575.33400	2575.33399	2575.33397	2575.33400	2614.67200	2614.67198	2614.67202	2614.67199
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 24			
	2580.0 MHz				2610.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-35.9	-22.5	-32.7	-28.9	22.8	26.4	30.7	29.9
T20°CVmin	-14.9	-35.4	-11.5	-30.2	32.7	12.1	34.5	22.0
T50°CVnom	-10.2	-14.3	-33.8	-34.2	14.4	17.1	35.5	15.0
T40°CVnom	-19.8	-24.2	-24.4	-24.0	22.6	36.5	29.8	30.4
T30°CVnom	-37.3	-24.1	-20.0	-14.4	28.2	32.5	34.1	21.1
T20°CVnom	-13.8	-23.9	-28.2	-37.8	36.1	22.2	32.4	37.7
T10°CVnom	-33.3	-12.4	-19.8	-39.7	14.9	28.3	28.2	27.1
T0°CVnom	-29.9	-24.2	-23.2	-20.5	25.6	10.7	24.6	23.2
T-10°CVnom	-29.2	-33.1	-28.4	-36.6	11.3	30.7	28.3	32.5
T-20°CVnom	-32.3	-23.6	-14.9	-27.1	20.0	12.4	20.0	20.6
T-30°CVnom	-30.8	-32.0	-16.9	-17.0	34.9	29.5	11.0	26.2
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2580.0 MHz				2610.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-23.6	-14.9	-30.6	-12.0	20.3	30.3	30.7	12.8
T20°CVmin	-12.3	-39.2	-14.7	-18.0	26.9	30.0	28.5	10.1
T50°CVnom	-24.5	-31.8	-23.9	-26.8	22.3	16.0	30.7	29.5
T40°CVnom	-29.0	-16.6	-36.4	-18.7	13.7	37.9	35.5	26.5
T30°CVnom	-33.5	-26.4	-36.9	-37.5	28.0	23.7	24.1	21.0
T20°CVnom	-39.2	-13.9	-32.7	-34.1	13.5	19.5	33.9	25.9
T10°CVnom	-23.2	-16.9	-29.8	-38.6	39.3	20.1	30.4	10.4
T0°CVnom	-35.1	-34.2	-36.9	-12.1	20.7	39.0	30.8	11.0
T-10°CVnom	-33.4	-38.8	-13.6	-19.7	26.3	13.1	25.4	36.8
T-20°CVnom	-25.9	-28.4	-19.7	-29.2	28.7	38.1	34.2	26.9
T-30°CVnom	-21.8	-20.1	-35.7	-33.9	32.3	14.1	28.6	12.5
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 24			
	2580.0 MHz / F _L (MHz)				2610.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.12598	2575.12601	2575.12600	2575.12602	2614.86899	2614.86899	2614.86900	2614.86899
T20°CVmin	2575.12600	2575.12599	2575.12602	2575.12602	2614.86900	2614.86898	2614.86900	2614.86898
T50°CVnom	2575.12600	2575.12602	2575.12600	2575.12601	2614.86898	2614.86898	2614.86900	2614.86897
T40°CVnom	2575.12599	2575.12601	2575.12601	2575.12602	2614.86899	2614.86900	2614.86900	2614.86899
T30°CVnom	2575.12598	2575.12601	2575.12601	2575.12603	2614.86899	2614.86900	2614.86900	2614.86898
T20°CVnom	2575.12600	2575.12601	2575.12601	2575.12601	2614.86900	2614.86899	2614.86900	2614.86900
T10°CVnom	2575.12598	2575.12602	2575.12602	2575.12601	2614.86898	2614.86899	2614.86899	2614.86899
T0°CVnom	2575.12598	2575.12601	2575.12601	2575.12603	2614.86899	2614.86897	2614.86899	2614.86898
T-10°CVnom	2575.12598	2575.12600	2575.12601	2575.12601	2614.86898	2614.86899	2614.86899	2614.86899
T-20°CVnom	2575.12598	2575.12601	2575.12602	2575.12602	2614.86898	2614.86898	2614.86899	2614.86898
T-30°CVnom	2575.12598	2575.12600	2575.12602	2575.12603	2614.86900	2614.86899	2614.86898	2614.86899
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2580.0 MHz / F _L (MHz)				2610.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.33202	2575.33199	2575.33202	2575.33204	2614.67601	2614.67600	2614.67600	2614.67600
T20°CVmin	2575.33203	2575.33197	2575.33204	2575.33203	2614.67601	2614.67600	2614.67599	2614.67599
T50°CVnom	2575.33201	2575.33198	2575.33203	2575.33202	2614.67601	2614.67598	2614.67600	2614.67601
T40°CVnom	2575.33201	2575.33199	2575.33202	2575.33203	2614.67600	2614.67601	2614.67600	2614.67601
T30°CVnom	2575.33201	2575.33198	2575.33202	2575.33201	2614.67601	2614.67599	2614.67599	2614.67601
T20°CVnom	2575.33200	2575.33199	2575.33202	2575.33201	2614.67600	2614.67599	2614.67600	2614.67601
T10°CVnom	2575.33202	2575.33199	2575.33202	2575.33201	2614.67603	2614.67599	2614.67600	2614.67600
T0°CVnom	2575.33200	2575.33197	2575.33202	2575.33204	2614.67601	2614.67601	2614.67600	2614.67600
T-10°CVnom	2575.33201	2575.33197	2575.33204	2575.33203	2614.67601	2614.67598	2614.67599	2614.67602
T-20°CVnom	2575.33201	2575.33198	2575.33203	2575.33202	2614.67602	2614.67601	2614.67600	2614.67601
T-30°CVnom	2575.33202	2575.33199	2575.33202	2575.33201	2614.67602	2614.67598	2614.67599	2614.67600
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

CB: 15MHz

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 37			
	2582.5 MHz				2607.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-25.1	-29.7	-29.1	-23.6	17.6	16.0	39.0	23.6
T20°CVmin	-16.3	-33.5	-32.1	-34.1	27.9	18.4	31.5	25.3
T50°CVnom	-30.3	-12.4	-10.2	-34.4	23.4	18.7	34.3	17.5
T40°CVnom	-20.4	-16.2	-26.3	-24.2	16.5	18.0	12.5	15.2
T30°CVnom	-24.1	-17.3	-27.0	-32.0	10.2	31.1	22.3	36.9
T20°CVnom	-24.4	-11.4	-31.9	-30.4	39.3	33.3	37.0	12.5
T10°CVnom	-10.7	-32.0	-17.0	-16.0	29.1	32.4	14.8	29.6
T0°CVnom	-39.3	-21.2	-35.7	-11.3	12.1	15.7	24.1	34.5
T-10°CVnom	-22.6	-29.5	-32.2	-19.9	24.3	22.7	18.0	26.1
T-20°CVnom	-37.5	-21.0	-29.1	-38.1	25.4	17.0	33.7	35.4
T-30°CVnom	-32.9	-11.4	-21.0	-23.2	28.8	14.5	26.8	12.7
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2582.5 MHz				2607.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-15.7	-33.8	-35.8	-32.1	29.9	23.7	13.1	38.5
T20°CVmin	-11.3	-12.3	-16.0	-26.2	30.2	36.5	16.6	23.4
T50°CVnom	-10.1	-29.2	-26.5	-15.6	12.0	21.6	23.1	13.1
T40°CVnom	-26.3	-39.2	-21.8	-27.9	38.2	14.6	26.7	39.0
T30°CVnom	-32.2	-18.0	-29.5	-36.2	10.6	13.1	32.1	11.3
T20°CVnom	-26.5	-31.1	-27.8	-15.7	33.5	35.4	13.6	21.5
T10°CVnom	-20.9	-38.1	-38.6	-24.6	28.1	13.8	29.5	29.2
T0°CVnom	-26.6	-39.9	-32.7	-11.3	10.2	22.9	10.7	30.2
T-10°CVnom	-22.8	-12.4	-23.5	-23.6	26.4	29.8	36.4	31.6
T-20°CVnom	-36.0	-16.8	-28.2	-34.8	35.8	38.8	21.8	10.9
T-30°CVnom	-25.6	-22.5	-37.1	-12.7	37.9	31.2	30.8	12.0
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 37			
	2582.5 MHz / F _L (MHz)				2607.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.28400	2575.28399	2575.28400	2575.28400	2614.74498	2614.74498	2614.74500	2614.74498
T20°CVmin	2575.28401	2575.28399	2575.28399	2575.28399	2614.74499	2614.74498	2614.74499	2614.74499
T50°CVnom	2575.28399	2575.28401	2575.28401	2575.28399	2614.74498	2614.74498	2614.74500	2614.74498
T40°CVnom	2575.28400	2575.28401	2575.28400	2575.28400	2614.74498	2614.74498	2614.74497	2614.74498
T30°CVnom	2575.28400	2575.28401	2575.28400	2575.28399	2614.74497	2614.74499	2614.74498	2614.74500
T20°CVnom	2575.28400	2575.28401	2575.28399	2575.28399	2614.74500	2614.74499	2614.74500	2614.74497
T10°CVnom	2575.28401	2575.28399	2575.28401	2575.28401	2614.74499	2614.74499	2614.74498	2614.74499
T0°CVnom	2575.28399	2575.28400	2575.28399	2575.28401	2614.74497	2614.74498	2614.74498	2614.74500
T-10°CVnom	2575.28400	2575.28399	2575.28399	2575.28400	2614.74499	2614.74498	2614.74498	2614.74499
T-20°CVnom	2575.28399	2575.28400	2575.28400	2575.28399	2614.74499	2614.74498	2614.74499	2614.74500
T-30°CVnom	2575.28399	2575.28401	2575.28400	2575.28400	2614.74499	2614.74498	2614.74499	2614.74497
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2582.5 MHz / F _L (MHz)				2607.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.51101	2575.51098	2575.51097	2575.51098	2614.50400	2614.50397	2614.50400	2614.50402
T20°CVmin	2575.51102	2575.51100	2575.51099	2575.51099	2614.50400	2614.50399	2614.50400	2614.50400
T50°CVnom	2575.51102	2575.51098	2575.51098	2575.51100	2614.50398	2614.50397	2614.50401	2614.50399
T40°CVnom	2575.51100	2575.51097	2575.51099	2575.51098	2614.50400	2614.50396	2614.50401	2614.50402
T30°CVnom	2575.51099	2575.51100	2575.51098	2575.51098	2614.50398	2614.50396	2614.50402	2614.50399
T20°CVnom	2575.51100	2575.51098	2575.51098	2575.51100	2614.50400	2614.50399	2614.50400	2614.50400
T10°CVnom	2575.51101	2575.51098	2575.51097	2575.51099	2614.50399	2614.50396	2614.50402	2614.50401
T0°CVnom	2575.51100	2575.51097	2575.51098	2575.51100	2614.50398	2614.50397	2614.50400	2614.50401
T-10°CVnom	2575.51100	2575.51100	2575.51099	2575.51099	2614.50399	2614.50398	2614.50402	2614.50401
T-20°CVnom	2575.51099	2575.51100	2575.51098	2575.51098	2614.50400	2614.50399	2614.50401	2614.50399
T-30°CVnom	2575.51100	2575.51099	2575.51097	2575.51100	2614.50400	2614.50398	2614.50402	2614.50399
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 37			
	2582.5 MHz				2607.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-35.9	-22.5	-32.7	-28.9	22.8	26.4	30.7	29.9
T20°CVmin	-14.9	-35.4	-11.5	-30.2	32.7	12.1	34.5	22.0
T50°CVnom	-10.2	-14.3	-33.8	-34.2	14.4	17.1	35.5	15.0
T40°CVnom	-19.8	-24.2	-24.4	-24.0	22.6	36.5	29.8	30.4
T30°CVnom	-37.3	-24.1	-20.0	-14.4	28.2	32.5	34.1	21.1
T20°CVnom	-13.8	-23.9	-28.2	-37.8	36.1	22.2	32.4	37.7
T10°CVnom	-33.3	-12.4	-19.8	-39.7	14.9	28.3	28.2	27.1
T0°CVnom	-29.9	-24.2	-23.2	-20.5	25.6	10.7	24.6	23.2
T-10°CVnom	-29.2	-33.1	-28.4	-36.6	11.3	30.7	28.3	32.5
T-20°CVnom	-32.3	-23.6	-14.9	-27.1	20.0	12.4	20.0	20.6
T-30°CVnom	-30.8	-32.0	-16.9	-17.0	34.9	29.5	11.0	26.2
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2582.5 MHz				2607.5 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-23.6	-14.9	-30.6	-12.0	20.3	30.3	30.7	12.8
T20°CVmin	-12.3	-39.2	-14.7	-18.0	26.9	30.0	28.5	10.1
T50°CVnom	-24.5	-31.8	-23.9	-26.8	22.3	16.0	30.7	29.5
T40°CVnom	-29.0	-16.6	-36.4	-18.7	13.7	37.9	35.5	26.5
T30°CVnom	-33.5	-26.4	-36.9	-37.5	28.0	23.7	24.1	21.0
T20°CVnom	-39.2	-13.9	-32.7	-34.1	13.5	19.5	33.9	25.9
T10°CVnom	-23.2	-16.9	-29.8	-38.6	39.3	20.1	30.4	10.4
T0°CVnom	-35.1	-34.2	-36.9	-12.1	20.7	39.0	30.8	11.0
T-10°CVnom	-33.4	-38.8	-13.6	-19.7	26.3	13.1	25.4	36.8
T-20°CVnom	-25.9	-28.4	-19.7	-29.2	28.7	38.1	34.2	26.9
T-30°CVnom	-21.8	-20.1	-35.7	-33.9	32.3	14.1	28.6	12.5
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 37			
	2582.5 MHz / F _L (MHz)				2607.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.29398	2575.29401	2575.29400	2575.29402	2614.75699	2614.75699	2614.75700	2614.75699
T20°CVmin	2575.29400	2575.29399	2575.29402	2575.29402	2614.75700	2614.75698	2614.75700	2614.75698
T50°CVnom	2575.29400	2575.29402	2575.29400	2575.29401	2614.75698	2614.75698	2614.75700	2614.75697
T40°CVnom	2575.29399	2575.29401	2575.29401	2575.29402	2614.75699	2614.75700	2614.75700	2614.75699
T30°CVnom	2575.29398	2575.29401	2575.29401	2575.29403	2614.75699	2614.75700	2614.75700	2614.75698
T20°CVnom	2575.29400	2575.29401	2575.29401	2575.29401	2614.75700	2614.75699	2614.75700	2614.75700
T10°CVnom	2575.29398	2575.29402	2575.29402	2575.29401	2614.75698	2614.75699	2614.75699	2614.75699
T0°CVnom	2575.29398	2575.29401	2575.29401	2575.29403	2614.75699	2614.75697	2614.75699	2614.75698
T-10°CVnom	2575.29398	2575.29400	2575.29401	2575.29401	2614.75698	2614.75699	2614.75699	2614.75699
T-20°CVnom	2575.29398	2575.29401	2575.29402	2575.29402	2614.75698	2614.75698	2614.75699	2614.75698
T-30°CVnom	2575.29398	2575.29400	2575.29402	2575.29403	2614.75700	2614.75699	2614.75698	2614.75699
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2582.5 MHz / F _L (MHz)				2607.5 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.50902	2575.50899	2575.50902	2575.50904	2614.50701	2614.50700	2614.50700	2614.50700
T20°CVmin	2575.50903	2575.50897	2575.50904	2575.50903	2614.50701	2614.50700	2614.50699	2614.50699
T50°CVnom	2575.50901	2575.50898	2575.50903	2575.50902	2614.50701	2614.50698	2614.50700	2614.50701
T40°CVnom	2575.50901	2575.50899	2575.50902	2575.50903	2614.50700	2614.50701	2614.50700	2614.50701
T30°CVnom	2575.50901	2575.50898	2575.50902	2575.50901	2614.50701	2614.50699	2614.50699	2614.50701
T20°CVnom	2575.50900	2575.50899	2575.50902	2575.50901	2614.50700	2614.50699	2614.50700	2614.50701
T10°CVnom	2575.50902	2575.50899	2575.50902	2575.50901	2614.50703	2614.50699	2614.50700	2614.50700
T0°CVnom	2575.50900	2575.50897	2575.50902	2575.50904	2614.50701	2614.50701	2614.50700	2614.50700
T-10°CVnom	2575.50901	2575.50897	2575.50904	2575.50903	2614.50701	2614.50698	2614.50699	2614.50702
T-20°CVnom	2575.50901	2575.50898	2575.50903	2575.50902	2614.50702	2614.50701	2614.50700	2614.50701
T-30°CVnom	2575.50902	2575.50899	2575.50902	2575.50901	2614.50702	2614.50698	2614.50699	2614.50700
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] : 110	Vmax [V] : 126.5		Vmin [V] : 93.5					
Tnom [°C] : 20	Tmax [°C] : 50		Tmin [°C] : -30					

CB: 20MHz

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 49			
	2585.0 MHz				2605.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-25.1	-29.7	-29.1	-23.6	17.6	16.0	39.0	23.6
T20°CVmin	-16.3	-33.5	-32.1	-34.1	27.9	18.4	31.5	25.3
T50°CVnom	-30.3	-12.4	-10.2	-34.4	23.4	18.7	34.3	17.5
T40°CVnom	-20.4	-16.2	-26.3	-24.2	16.5	18.0	12.5	15.2
T30°CVnom	-24.1	-17.3	-27.0	-32.0	10.2	31.1	22.3	36.9
T20°CVnom	-24.4	-11.4	-31.9	-30.4	39.3	33.3	37.0	12.5
T10°CVnom	-10.7	-32.0	-17.0	-16.0	29.1	32.4	14.8	29.6
T0°CVnom	-39.3	-21.2	-35.7	-11.3	12.1	15.7	24.1	34.5
T-10°CVnom	-22.6	-29.5	-32.2	-19.9	24.3	22.7	18.0	26.1
T-20°CVnom	-37.5	-21.0	-29.1	-38.1	25.4	17.0	33.7	35.4
T-30°CVnom	-32.9	-11.4	-21.0	-23.2	28.8	14.5	26.8	12.7
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2585.0 MHz				2605.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-15.7	-33.8	-35.8	-32.1	29.9	23.7	13.1	38.5
T20°CVmin	-11.3	-12.3	-16.0	-26.2	30.2	36.5	16.6	23.4
T50°CVnom	-10.1	-29.2	-26.5	-15.6	12.0	21.6	23.1	13.1
T40°CVnom	-26.3	-39.2	-21.8	-27.9	38.2	14.6	26.7	39.0
T30°CVnom	-32.2	-18.0	-29.5	-36.2	10.6	13.1	32.1	11.3
T20°CVnom	-26.5	-31.1	-27.8	-15.7	33.5	35.4	13.6	21.5
T10°CVnom	-20.9	-38.1	-38.6	-24.6	28.1	13.8	29.5	29.2
T0°CVnom	-26.6	-39.9	-32.7	-11.3	10.2	22.9	10.7	30.2
T-10°CVnom	-22.8	-12.4	-23.5	-23.6	26.4	29.8	36.4	31.6
T-20°CVnom	-36.0	-16.8	-28.2	-34.8	35.8	38.8	21.8	10.9
T-30°CVnom	-25.6	-22.5	-37.1	-12.7	37.9	31.2	30.8	12.0
Vnom [V] : 110 Vmax [V] : 126.5 Vmin [V] : 93.5								
Tnom [°C] : 20 Tmax [°C] : 50 Tmin [°C] : -30								

Temperature(°C)	Frequency Stability							
	QPSK, 1RB offset 0				QPSK, 1RB offset 49			
	2585.0 MHz / F _L (MHz)				2605.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.33900	2575.33899	2575.33900	2575.33900	2614.67698	2614.67698	2614.67700	2614.67698
T20°CVmin	2575.33901	2575.33899	2575.33899	2575.33899	2614.67699	2614.67698	2614.67699	2614.67699
T50°CVnom	2575.33899	2575.33901	2575.33901	2575.33899	2614.67698	2614.67698	2614.67700	2614.67698
T40°CVnom	2575.33900	2575.33901	2575.33900	2575.33900	2614.67698	2614.67698	2614.67697	2614.67698
T30°CVnom	2575.33900	2575.33901	2575.33900	2575.33899	2614.67697	2614.67699	2614.67698	2614.67700
T20°CVnom	2575.33900	2575.33901	2575.33899	2575.33899	2614.67700	2614.67699	2614.67700	2614.67697
T10°CVnom	2575.33901	2575.33899	2575.33901	2575.33901	2614.67699	2614.67699	2614.67698	2614.67699
T0°CVnom	2575.33899	2575.33900	2575.33899	2575.33901	2614.67697	2614.67698	2614.67698	2614.67700
T-10°CVnom	2575.33900	2575.33899	2575.33899	2575.33900	2614.67699	2614.67698	2614.67698	2614.67699
T-20°CVnom	2575.33899	2575.33900	2575.33900	2575.33899	2614.67699	2614.67698	2614.67699	2614.67700
T-30°CVnom	2575.33899	2575.33901	2575.33900	2575.33900	2614.67699	2614.67698	2614.67699	2614.67697
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

Temperature(°C)	Frequency Stability							
	QPSK, 100%RB				QPSK, 100%RB			
	2585.0 MHz / F _L (MHz)				2605.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.62901	2575.62898	2575.62897	2575.62898	2614.38000	2614.37997	2614.38000	2614.38002
T20°CVmin	2575.62902	2575.62900	2575.62899	2575.62899	2614.38000	2614.37999	2614.38000	2614.38000
T50°CVnom	2575.62902	2575.62898	2575.62898	2575.62900	2614.37998	2614.37997	2614.38001	2614.37999
T40°CVnom	2575.62900	2575.62897	2575.62899	2575.62898	2614.38000	2614.37996	2614.38001	2614.38002
T30°CVnom	2575.62899	2575.62900	2575.62898	2575.62898	2614.37998	2614.37996	2614.38002	2614.37999
T20°CVnom	2575.62900	2575.62898	2575.62898	2575.62900	2614.38000	2614.37999	2614.38000	2614.38000
T10°CVnom	2575.62901	2575.62898	2575.62897	2575.62899	2614.37999	2614.37996	2614.38002	2614.38001
T0°CVnom	2575.62900	2575.62897	2575.62898	2575.62900	2614.37998	2614.37997	2614.38000	2614.38001
T-10°CVnom	2575.62900	2575.62900	2575.62899	2575.62899	2614.37999	2614.37998	2614.38002	2614.38001
T-20°CVnom	2575.62899	2575.62900	2575.62898	2575.62898	2614.38000	2614.37999	2614.38001	2614.37999
T-30°CVnom	2575.62900	2575.62899	2575.62897	2575.62900	2614.38000	2614.37998	2614.38002	2614.37999
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 49			
	2585.0 MHz				2605.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-35.9	-22.5	-32.7	-28.9	22.8	26.4	30.7	29.9
T20°CVmin	-14.9	-35.4	-11.5	-30.2	32.7	12.1	34.5	22.0
T50°CVnom	-10.2	-14.3	-33.8	-34.2	14.4	17.1	35.5	15.0
T40°CVnom	-19.8	-24.2	-24.4	-24.0	22.6	36.5	29.8	30.4
T30°CVnom	-37.3	-24.1	-20.0	-14.4	28.2	32.5	34.1	21.1
T20°CVnom	-13.8	-23.9	-28.2	-37.8	36.1	22.2	32.4	37.7
T10°CVnom	-33.3	-12.4	-19.8	-39.7	14.9	28.3	28.2	27.1
T0°CVnom	-29.9	-24.2	-23.2	-20.5	25.6	10.7	24.6	23.2
T-10°CVnom	-29.2	-33.1	-28.4	-36.6	11.3	30.7	28.3	32.5
T-20°CVnom	-32.3	-23.6	-14.9	-27.1	20.0	12.4	20.0	20.6
T-30°CVnom	-30.8	-32.0	-16.9	-17.0	34.9	29.5	11.0	26.2
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2585.0 MHz				2605.0 MHz			
	Frequency drift (Hz)				Frequency drift (Hz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	-23.6	-14.9	-30.6	-12.0	20.3	30.3	30.7	12.8
T20°CVmin	-12.3	-39.2	-14.7	-18.0	26.9	30.0	28.5	10.1
T50°CVnom	-24.5	-31.8	-23.9	-26.8	22.3	16.0	30.7	29.5
T40°CVnom	-29.0	-16.6	-36.4	-18.7	13.7	37.9	35.5	26.5
T30°CVnom	-33.5	-26.4	-36.9	-37.5	28.0	23.7	24.1	21.0
T20°CVnom	-39.2	-13.9	-32.7	-34.1	13.5	19.5	33.9	25.9
T10°CVnom	-23.2	-16.9	-29.8	-38.6	39.3	20.1	30.4	10.4
T0°CVnom	-35.1	-34.2	-36.9	-12.1	20.7	39.0	30.8	11.0
T-10°CVnom	-33.4	-38.8	-13.6	-19.7	26.3	13.1	25.4	36.8
T-20°CVnom	-25.9	-28.4	-19.7	-29.2	28.7	38.1	34.2	26.9
T-30°CVnom	-21.8	-20.1	-35.7	-33.9	32.3	14.1	28.6	12.5
Vnom [V] : 110		Vmax [V] : 126.5		Vmin [V] : 93.5				
Tnom [°C] : 20		Tmax [°C] : 50		Tmin [°C] : -30				

Temperature(°C)	Frequency Stability							
	16QAM, 1RB offset 0				16QAM, 1RB offset 49			
	2585.0 MHz / F _L (MHz)				2605.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.30798	2575.30801	2575.30800	2575.30802	2614.69799	2614.69799	2614.69800	2614.69799
T20°CVmin	2575.30800	2575.30799	2575.30802	2575.30802	2614.69800	2614.69798	2614.69800	2614.69798
T50°CVnom	2575.30800	2575.30802	2575.30800	2575.30801	2614.69798	2614.69798	2614.69800	2614.69797
T40°CVnom	2575.30799	2575.30801	2575.30801	2575.30802	2614.69799	2614.69800	2614.69800	2614.69799
T30°CVnom	2575.30798	2575.30801	2575.30801	2575.30803	2614.69799	2614.69800	2614.69800	2614.69798
T20°CVnom	2575.30800	2575.30801	2575.30801	2575.30801	2614.69800	2614.69799	2614.69800	2614.69800
T10°CVnom	2575.30798	2575.30802	2575.30802	2575.30801	2614.69798	2614.69799	2614.69799	2614.69799
T0°CVnom	2575.30798	2575.30801	2575.30801	2575.30803	2614.69799	2614.69797	2614.69799	2614.69798
T-10°CVnom	2575.30798	2575.30800	2575.30801	2575.30801	2614.69798	2614.69799	2614.69799	2614.69799
T-20°CVnom	2575.30798	2575.30801	2575.30802	2575.30802	2614.69798	2614.69798	2614.69799	2614.69798
T-30°CVnom	2575.30798	2575.30800	2575.30802	2575.30803	2614.69800	2614.69799	2614.69798	2614.69799
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

Temperature(°C)	Frequency Stability							
	16QAM, 100%RB				16QAM, 100%RB			
	2585.0 MHz / F _L (MHz)				2605.0 MHz / F _H (MHz)			
	0 Min	2 Min	5 Min	10Min	0 Min	2 Min	5 Min	10Min
T20°CVmax	2575.62102	2575.62099	2575.62102	2575.62104	2614.38601	2614.38600	2614.38600	2614.38600
T20°CVmin	2575.62103	2575.62097	2575.62104	2575.62103	2614.38601	2614.38600	2614.38599	2614.38599
T50°CVnom	2575.62101	2575.62098	2575.62103	2575.62102	2614.38601	2614.38598	2614.38600	2614.38601
T40°CVnom	2575.62101	2575.62099	2575.62102	2575.62103	2614.38600	2614.38601	2614.38600	2614.38601
T30°CVnom	2575.62101	2575.62098	2575.62102	2575.62101	2614.38601	2614.38599	2614.38599	2614.38601
T20°CVnom	2575.62100	2575.62099	2575.62102	2575.62101	2614.38600	2614.38599	2614.38600	2614.38601
T10°CVnom	2575.62102	2575.62099	2575.62102	2575.62101	2614.38603	2614.38599	2614.38600	2614.38600
T0°CVnom	2575.62100	2575.62097	2575.62102	2575.62104	2614.38601	2614.38601	2614.38600	2614.38600
T-10°CVnom	2575.62101	2575.62097	2575.62104	2575.62103	2614.38601	2614.38598	2614.38599	2614.38602
T-20°CVnom	2575.62101	2575.62098	2575.62103	2575.62102	2614.38602	2614.38601	2614.38600	2614.38601
T-30°CVnom	2575.62102	2575.62099	2575.62102	2575.62101	2614.38602	2614.38598	2614.38599	2614.38600
Limit	F _L > 2575MHz				F _H < 2615MHz			
Vnom [V] :	110	Vmax [V] :		126.5	Vmin [V] :		93.5	
Tnom [°C] :	20	Tmax [°C] :		50	Tmin [°C] :		-30	

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

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