APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Antenna Gain=-1.6dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	22.65
				1	5	22.65
				3	2	22.54
				6	0	22.45
	1880	18900		1	0	22.63
				1	5	22.63
				3	2	22.50
				6	0	22.45
	1909.3	19193		1	0	22.58
				1	5	22.58
				3	2	22.43
				6	0	22.38
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1850.7	18607	1.4	1	0	22.34
				1	5	22.34
				3	2	21.12
				6	0	21.08
	1880	18900		1	0	22.37
				1	5	22.37
				3	2	21.20
				6	0	21.15
	1909.3	19193		1	0	22.40
				1	5	22.40
				3	2	21.24
				6	0	21.16
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.38
				1	5	22.38
				3	2	21.32
				6	0	21.27
	1880	18900		1	0	22.40
				1	5	22.40
				3	2	21.32
				6	0	21.29
	1909.3	19193		1	0	22.38
				1	5	22.38
				3	2	21.32
				6	0	21.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	22.73
				1	14	22.73
				8	4	22.62
				15	0	22.53
	1880	18900		1	0	22.69
				1	14	22.69
				8	4	22.56
				15	0	22.51
	1908.5	19185		1	0	22.70
				1	14	22.70
				8	4	22.55
				15	0	22.50
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1851.5	18615	3	1	0	22.42
				1	14	22.42
				8	4	21.20
				15	0	21.16
	1880	18900		1	0	22.43
				1	14	22.43
				8	4	21.26
				15	0	21.21
	1908.5	19185		1	0	22.52
				1	14	22.52
				8	4	21.36
				15	0	21.28
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	22.46
				1	14	22.46
				8	4	21.40
				15	0	21.35
	1880	18900		1	0	22.46
				1	14	22.46
				8	4	21.38
				15	0	21.35
	1908.5	19185		1	0	22.50
				1	14	22.50
				8	4	21.44
				15	0	21.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	22.77
				1	24	22.77
				12	6	22.66
				25	0	22.57
	1880	18900		1	0	22.74
				1	24	22.74
				12	6	22.61
				25	0	22.56
	1907.5	19175		1	0	22.66
				1	24	22.66
				12	6	22.51
				25	0	22.46
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1852.5	18625	5	1	0	22.46
				1	24	22.46
				12	6	21.24
				25	0	21.20
	1880	18900		1	0	22.48
				1	24	22.48
				12	6	21.31
				25	0	21.26
	1907.5	19175		1	0	22.48
				1	24	22.48
				12	6	21.32
				25	0	21.24
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	22.50
				1	24	22.50
				12	6	21.44
				25	0	21.39
	1880	18900		1	0	22.51
				1	24	22.51
				12	6	21.43
				25	0	21.40
	1907.5	19175		1	0	22.46
				1	24	22.46
				12	6	21.40
				25	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	22.81
				1	49	22.81
				24	12	22.70
				50	0	22.61
	1880	18900		1	0	22.71
				1	49	22.71
				24	12	22.58
				50	0	22.53
	1905	19150		1	0	22.74
				1	49	22.74
				24	12	22.59
				50	0	22.54
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1855	18650	10	1	0	22.50
				1	49	22.50
				24	12	21.28
				50	0	21.24
	1880	18900		1	0	22.45
				1	49	22.45
				24	12	21.28
				50	0	21.23
	1905	19150		1	0	22.56
				1	49	22.56
				24	12	21.40
				50	0	21.32
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	22.54
				1	49	22.54
				24	12	21.48
				50	0	21.43
	1880	18900		1	0	22.48
				1	49	22.48
				24	12	21.40
				50	0	21.37
	1905	19150		1	0	22.54
				1	49	22.54
				24	12	21.48
				50	0	21.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	22.87
				1	74	22.87
				40	18	22.76
				75	0	22.67
	1880	18900		1	0	22.77
				1	74	22.77
				40	18	22.64
				75	0	22.59
	1902.5	19125		1	0	22.75
				1	74	22.75
				40	18	22.60
				75	0	22.55
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1857.5	18675	15	1	0	22.54
				1	74	22.54
				40	18	21.32
				75	0	21.28
	1880	18900		1	0	22.53
				1	74	22.53
				40	18	21.36
				75	0	21.31
	1902.5	19125		1	0	22.59
				1	74	22.59
				40	18	21.43
				75	0	21.35
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	22.60
				1	74	22.60
				40	18	21.54
				75	0	21.49
	1880	18900		1	0	22.53
				1	74	22.53
				40	18	21.45
				75	0	21.42
	1902.5	19125		1	0	22.57
				1	74	22.57
				40	18	21.51
				75	0	21.39

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	22.98
				1	99	22.98
				50	25	22.87
				100	0	22.78
	1880	18900		1	0	22.90
				1	99	22.90
				50	25	22.77
				100	0	22.72
	1900	19100		1	0	22.89
				1	99	22.89
				50	25	22.74
				100	0	22.69
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	1860	18700	20	1	0	22.67
				1	99	22.67
				50	25	21.45
				100	0	21.41
	1880	18900		1	0	22.64
				1	99	22.64
				50	25	21.47
				100	0	21.42
	1900	19100		1	0	22.71
				1	99	22.71
				50	25	21.55
				100	0	21.47
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	22.71
				1	99	22.71
				50	25	21.65
				100	0	21.60
	1880	18900		1	0	22.67
				1	99	22.67
				50	25	21.59
				100	0	21.56
	1900	19100		1	0	22.69
				1	99	22.69
				50	25	21.63
				100	0	21.51

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.1034	Fig.1	1.0964	Fig.2	1.0978	Fig.3
2	1880.0	18900	1.4	6	0	1.1022	Fig.4	1.1029	Fig.5	1.0992	Fig.6
2	1909.3	19193	1.4	6	0	1.0977	Fig.7	1.1003	Fig.8	1.0976	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.379	Fig.1	1.360	Fig.2	1.379	Fig.3
2	1880.0	18900	1.4	6	0	1.343	Fig.4	1.349	Fig.5	1.317	Fig.6
2	1909.3	19193	1.4	6	0	1.337	Fig.7	1.337	Fig.8	1.346	Fig.9

Fig.1

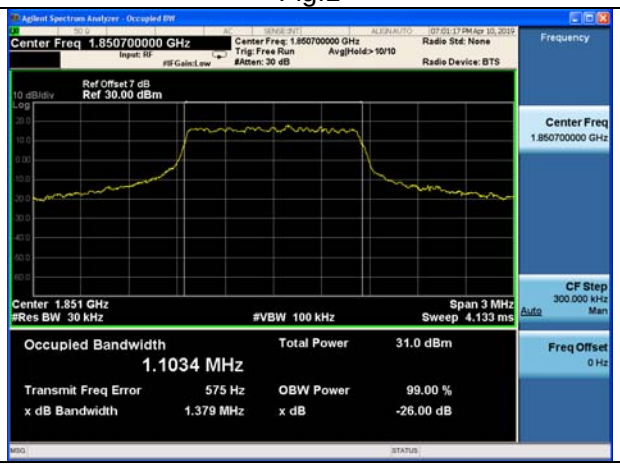


Fig.2

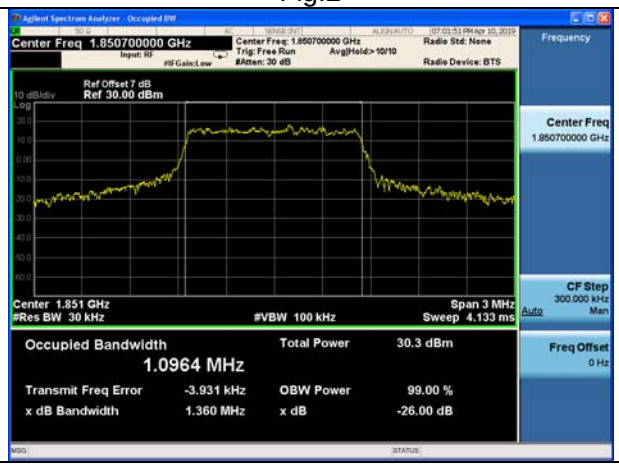


Fig.3

Fig.4

Fig.5

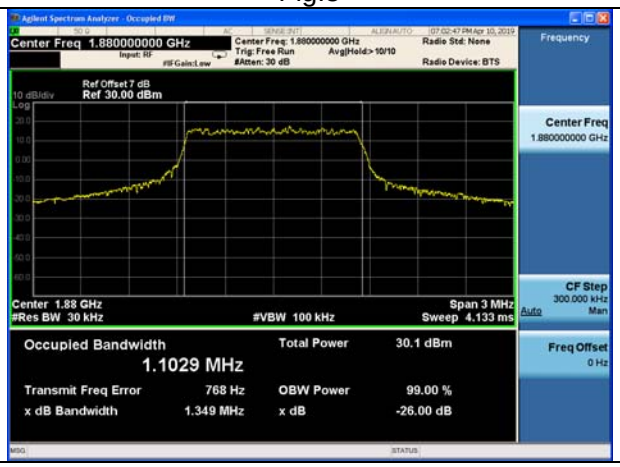


Fig.6

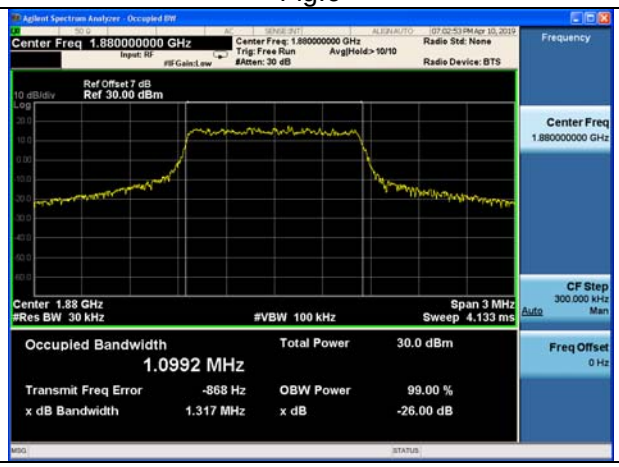


Fig.7

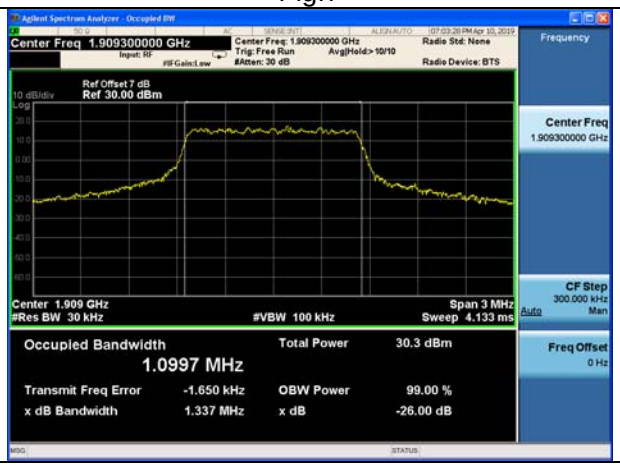


Fig.8

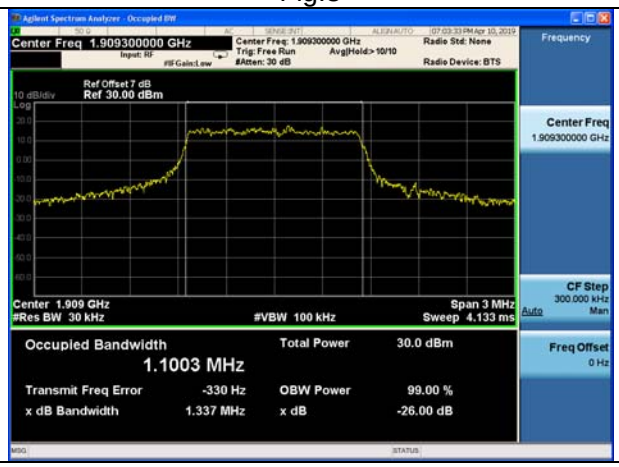
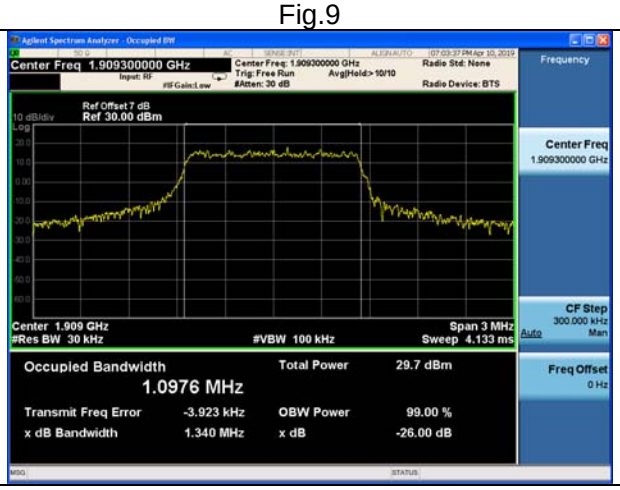


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1851.5	18615	3	15	0	2.6914	Fig.1	2.6874	Fig.2	2.6906	Fig.3
2	1880.0	18900	3	15	0	2.6916	Fig.4	2.6905	Fig.5	2.6899	Fig.6
2	1908.5	19185	3	15	0	2.6890	Fig.7	2.6882	Fig.8	2.6875	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1851.5	18615	3	15	0	3.032	Fig.1	3.056	Fig.2	3.021	Fig.3
2	1880.0	18900	3	15	0	3.086	Fig.4	3.056	Fig.5	3.034	Fig.6
2	1908.5	19185	3	15	0	3.094	Fig.7	3.101	Fig.8	3.035	Fig.9

Fig.1

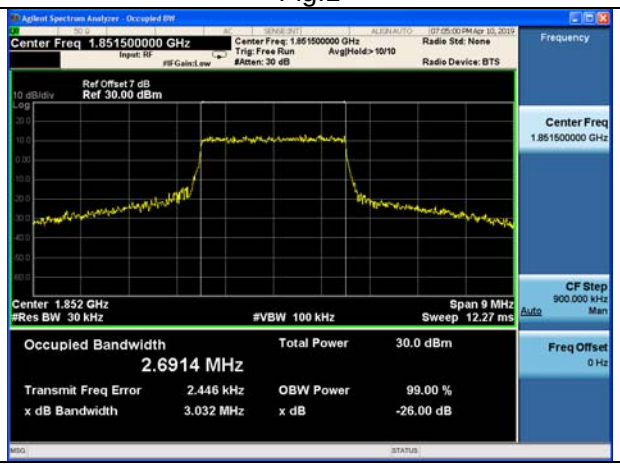


Fig.2

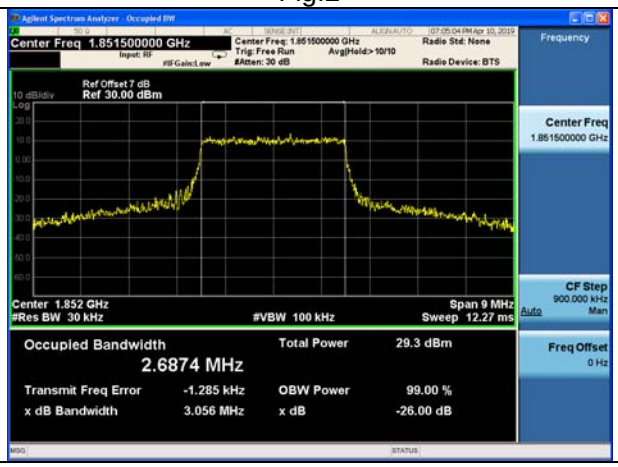


Fig.3

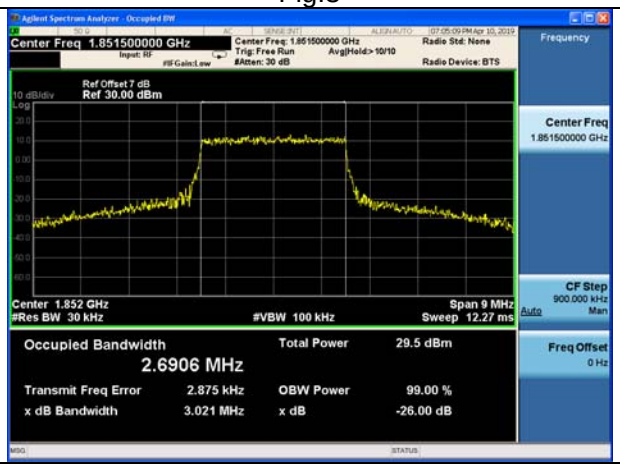


Fig.4

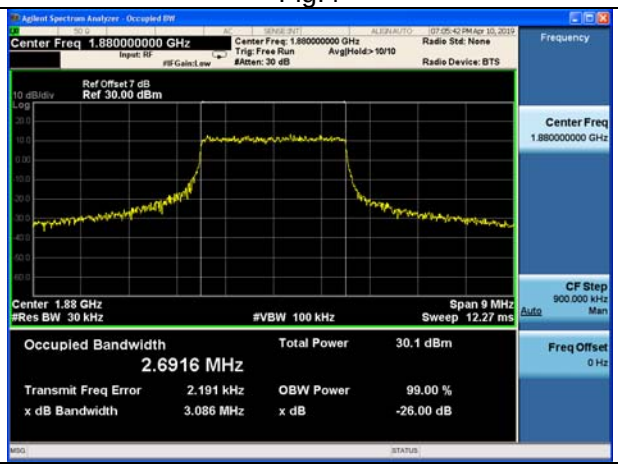


Fig.5

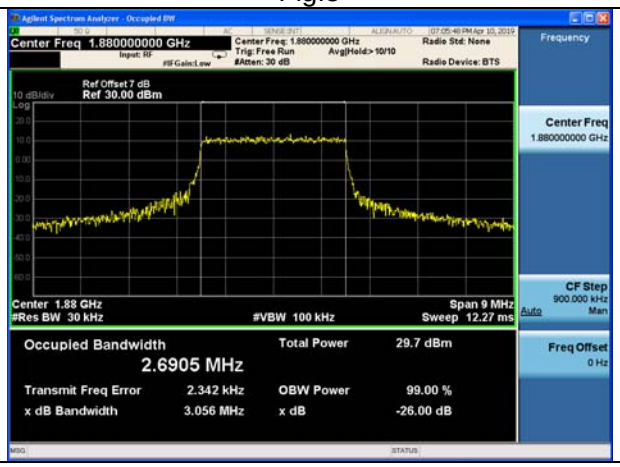


Fig.6

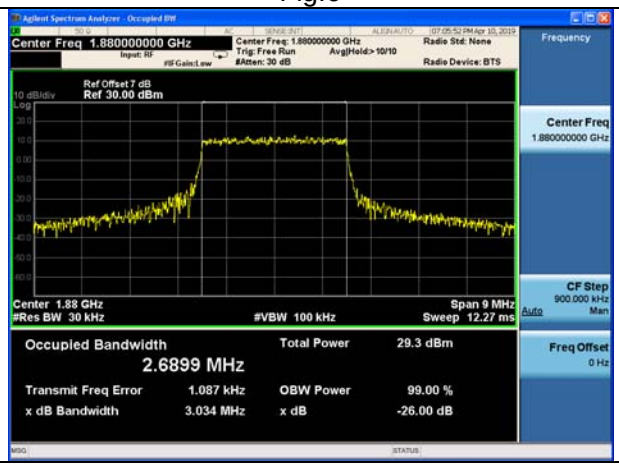


Fig.7

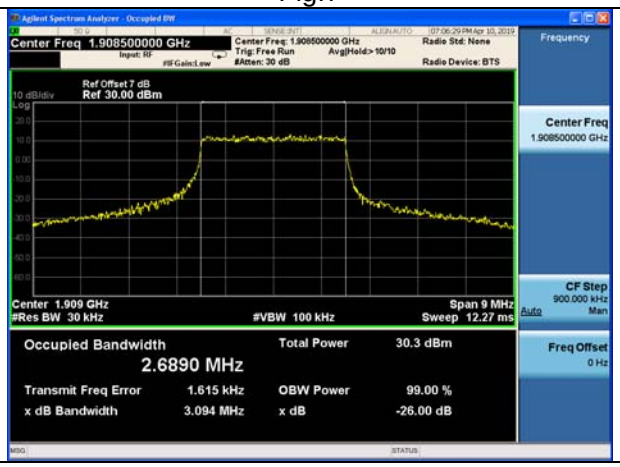


Fig.8

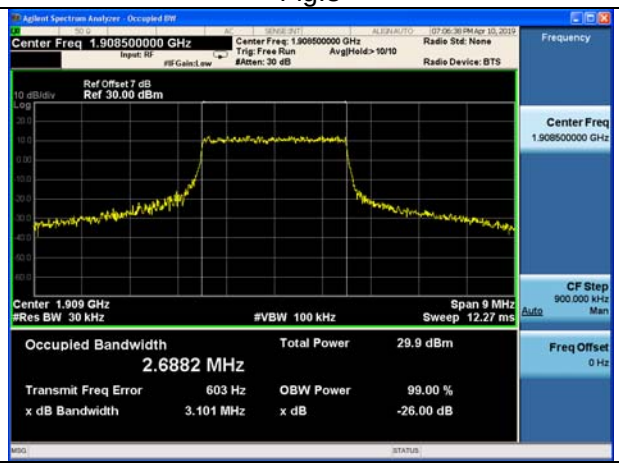
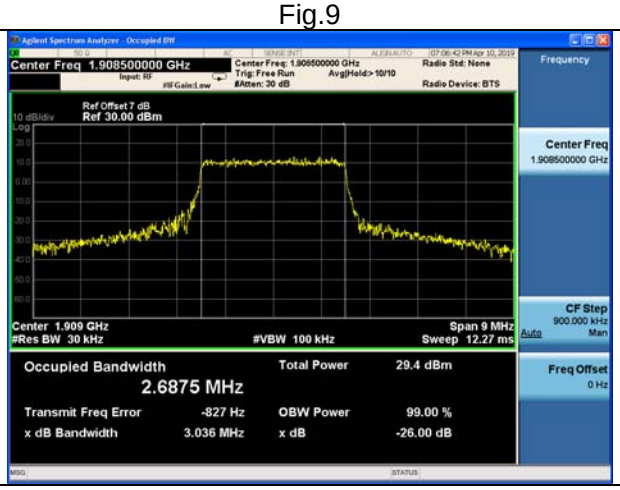


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1852.5	18625	5	25	0	4.4735	Fig.1	4.4714	Fig.2	4.4625	Fig.3
2	1880.0	18900	5	25	0	4.4753	Fig.4	4.4763	Fig.5	4.4667	Fig.6
2	1907.5	19175	5	25	0	4.4767	Fig.7	4.4794	Fig.8	4.4775	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1852.5	18625	5	25	0	5.033	Fig.1	5.028	Fig.2	4.966	Fig.3
2	1880.0	18900	5	25	0	4.971	Fig.4	5.035	Fig.5	4.916	Fig.6
2	1907.5	19175	5	25	0	5.029	Fig.7	5.000	Fig.8	4.959	Fig.9

Fig.1

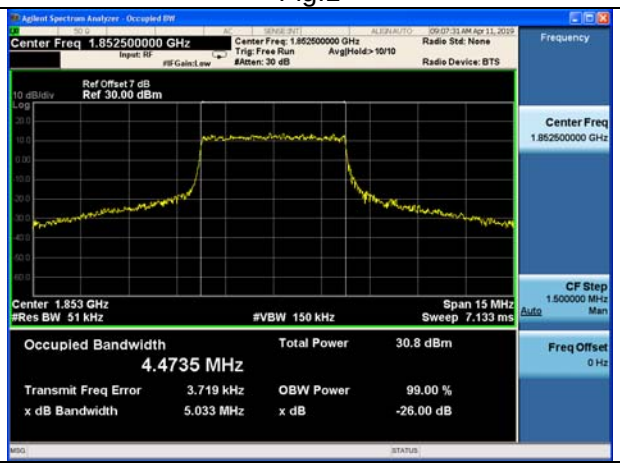


Fig.2

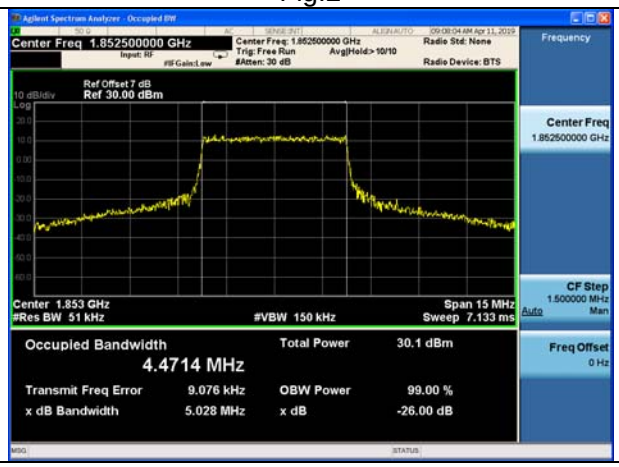


Fig.3

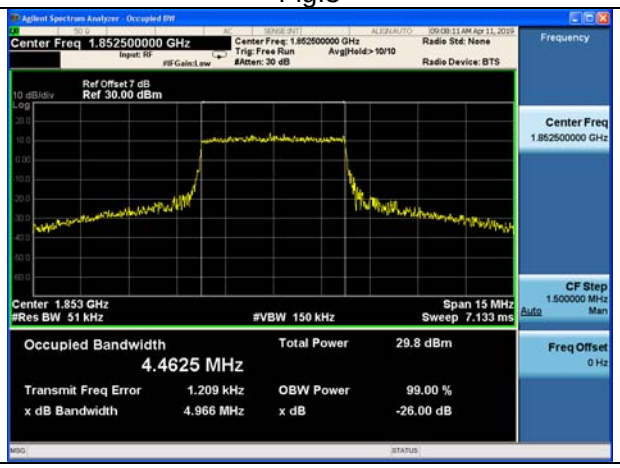


Fig.4

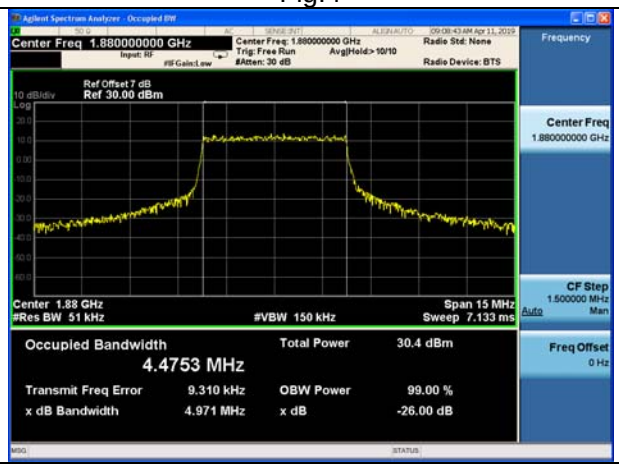


Fig.5

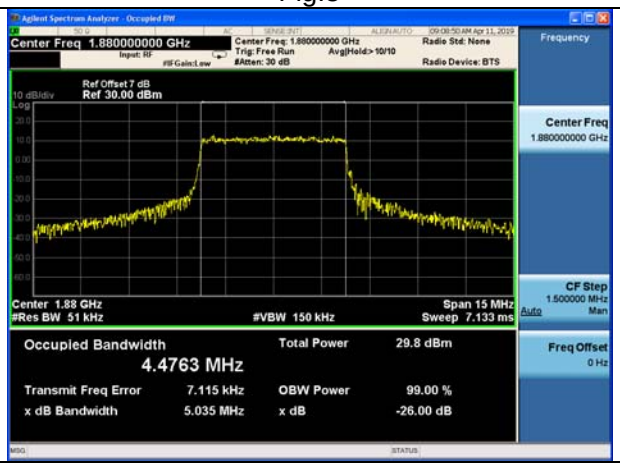


Fig.6

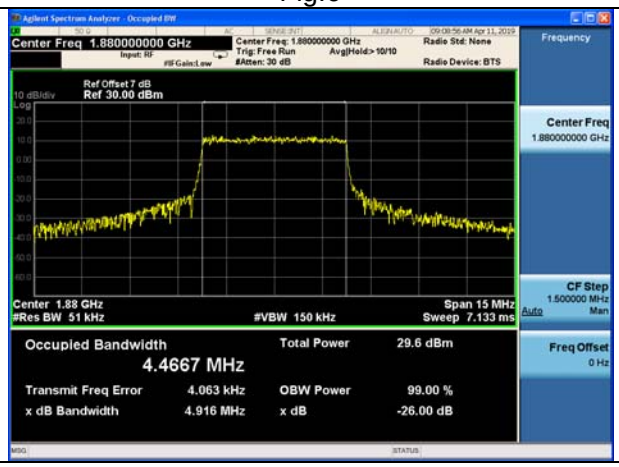


Fig.7

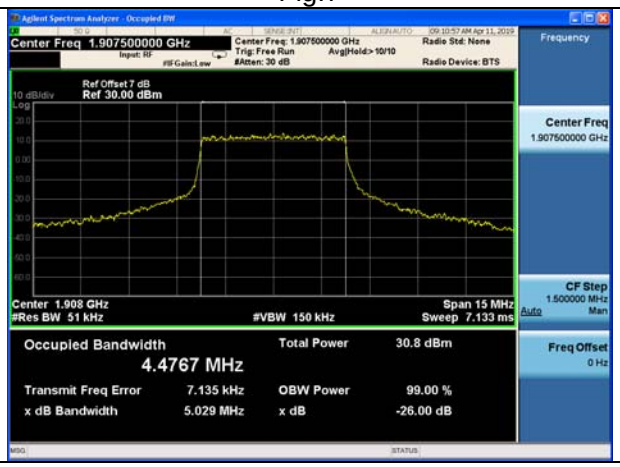


Fig.8

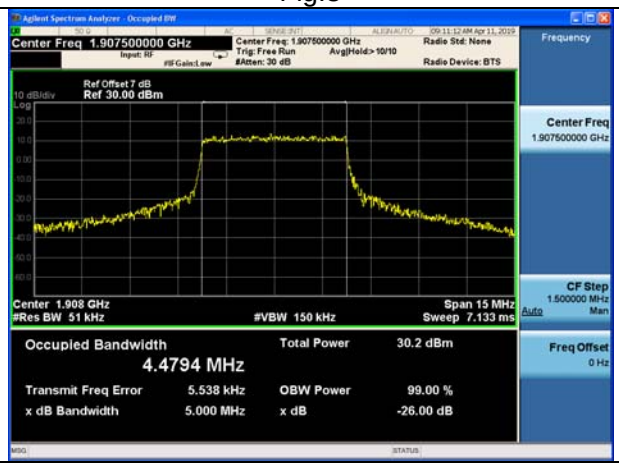
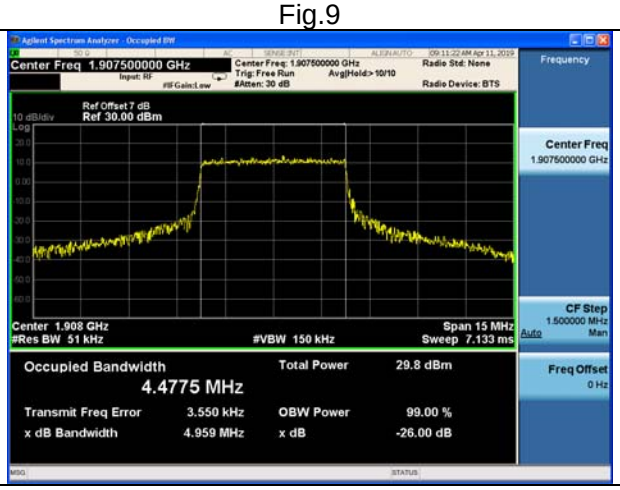


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1855	18650	10	50	0	9.0873	Fig.1	9.0580	Fig.2	9.0671	Fig.3
2	1880	18900	10	50	0	9.0790	Fig.4	9.0733	Fig.5	9.0703	Fig.6
2	1905	19150	10	50	0	9.0826	Fig.7	9.0704	Fig.8	9.0815	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1855	18650	10	50	0	10.40	Fig.1	10.36	Fig.2	10.08	Fig.3
2	1880	18900	10	50	0	10.75	Fig.4	10.42	Fig.5	10.50	Fig.6
2	1905	19150	10	50	0	10.51	Fig.7	10.60	Fig.8	10.50	Fig.9

Fig.1

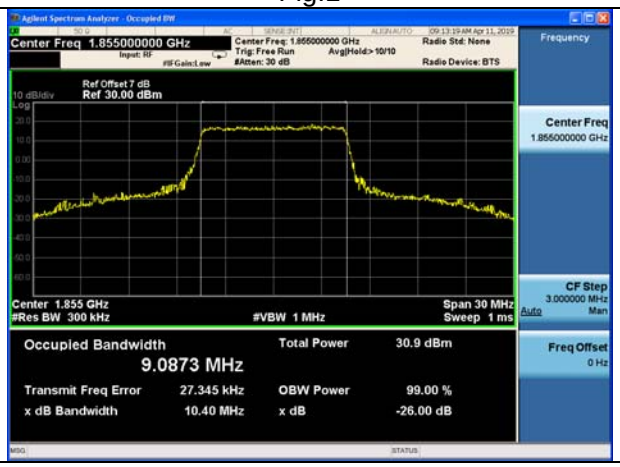


Fig.2

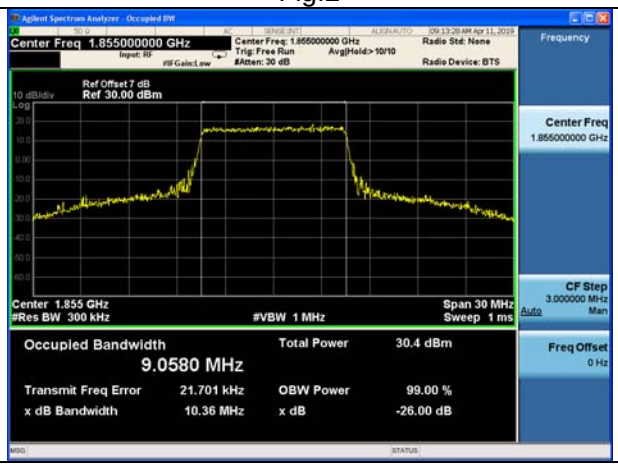


Fig.3

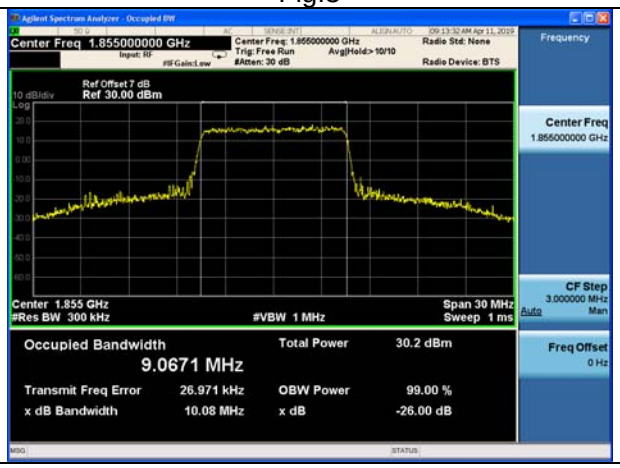


Fig.4

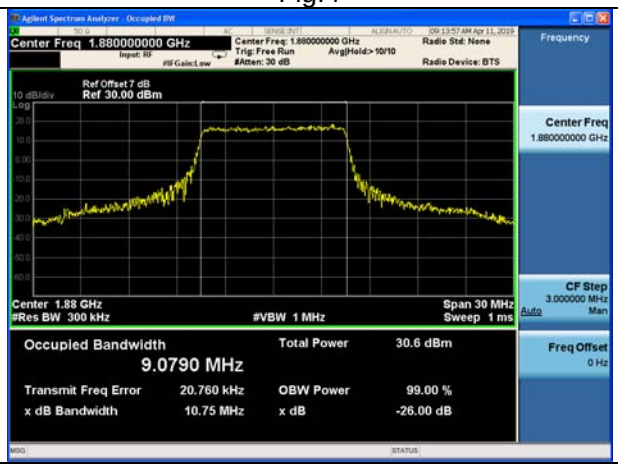


Fig.5

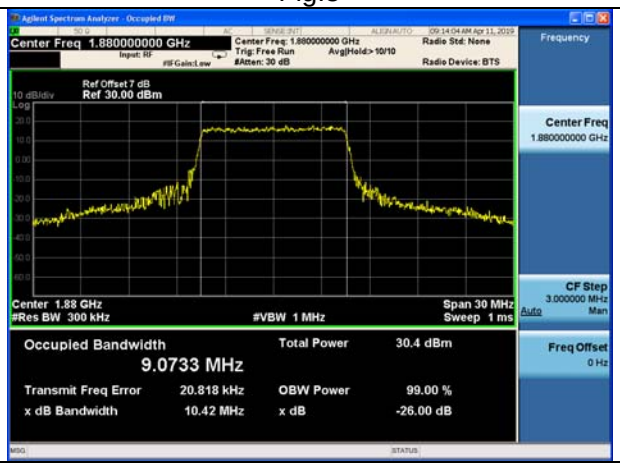


Fig.6

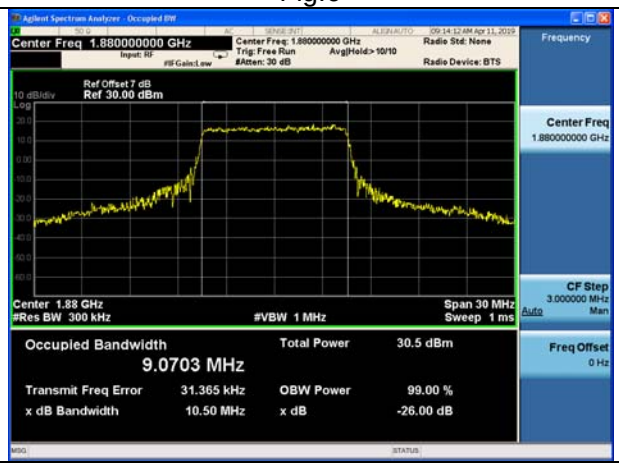


Fig.7

Fig.8

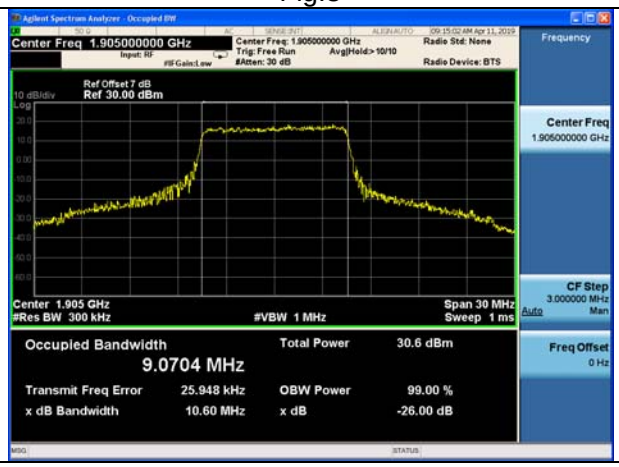
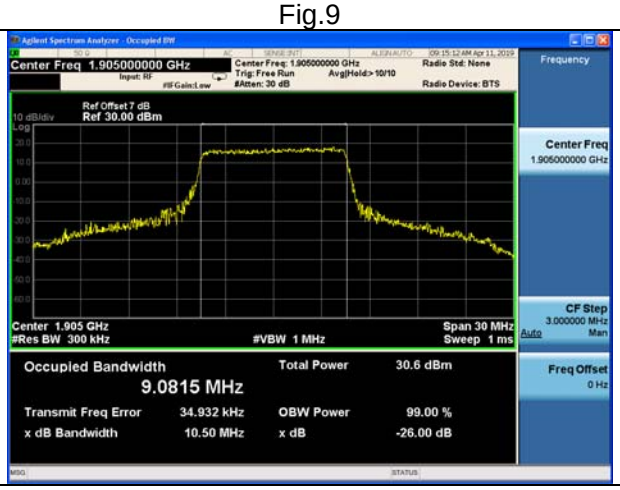


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1857.5	18675	15	75	0	13.497	Fig.1	13.481	Fig.2	13.509	Fig.3
2	1880.0	18900	15	75	0	13.478	Fig.4	13.502	Fig.5	13.495	Fig.6
2	1902.5	19125	15	75	0	13.520	Fig.7	13.517	Fig.8	13.514	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1857.5	18675	15	75	0	15.23	Fig.1	14.96	Fig.2	14.93	Fig.3
2	1880.0	18900	15	75	0	15.06	Fig.4	15.01	Fig.5	14.90	Fig.6
2	1902.5	19125	15	75	0	15.20	Fig.7	15.22	Fig.8	15.08	Fig.9

Fig.1

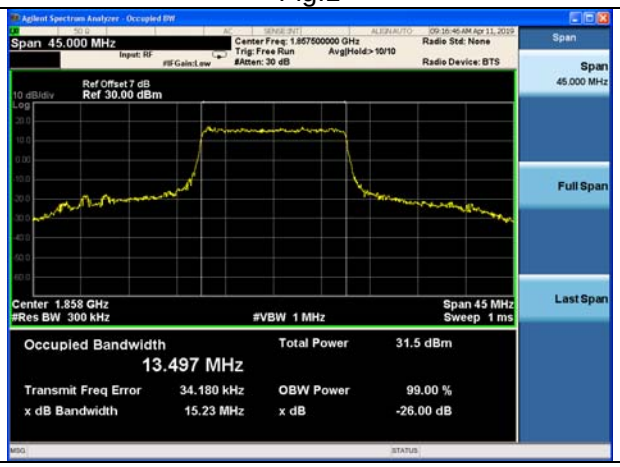


Fig.2

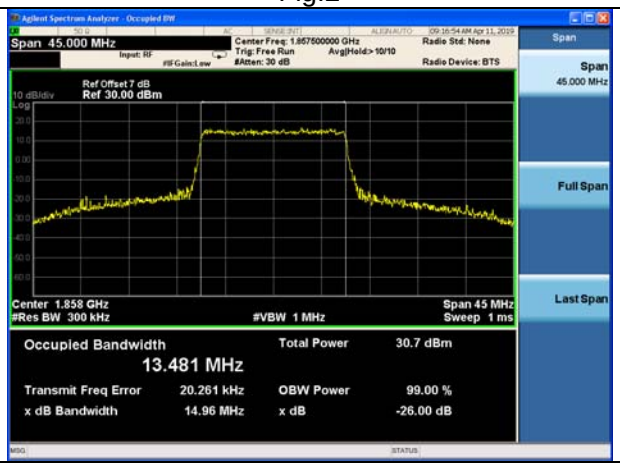


Fig.3

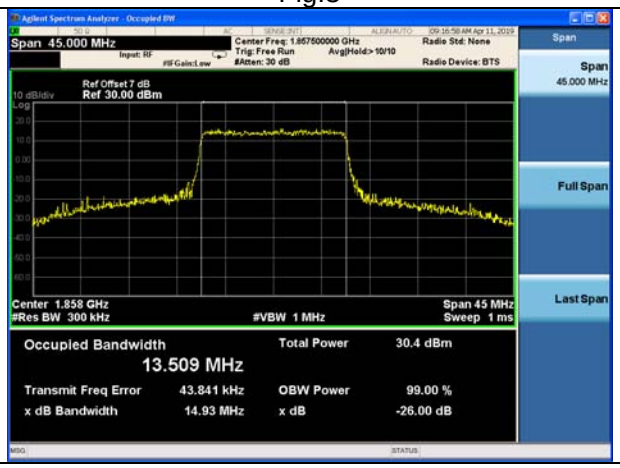


Fig.4

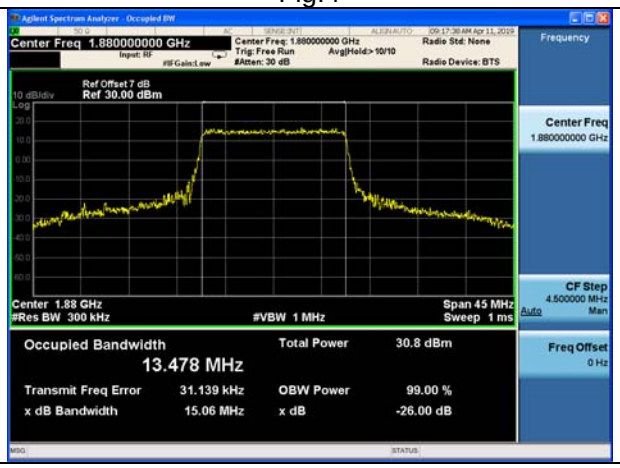


Fig.5

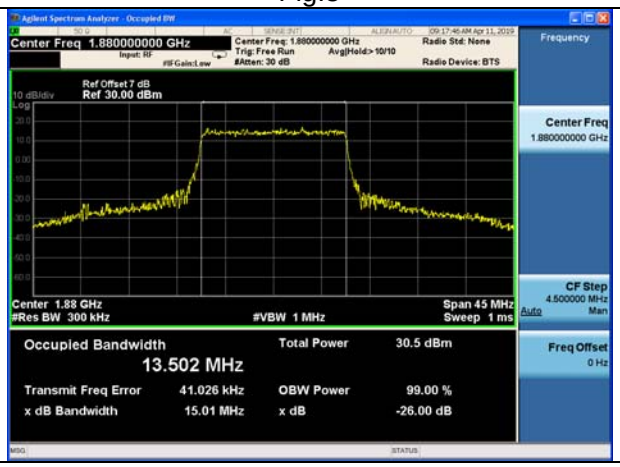


Fig.6

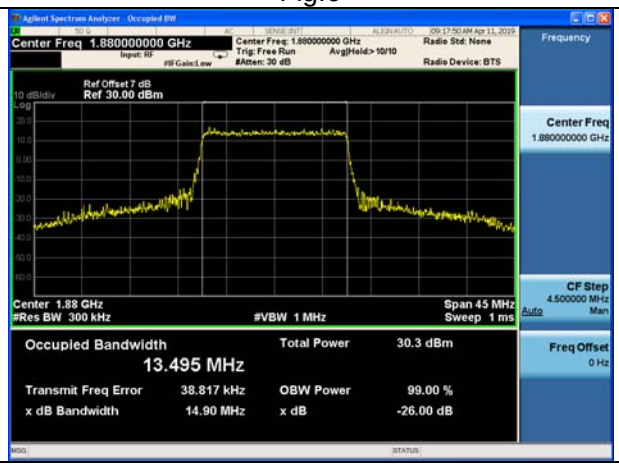


Fig.7

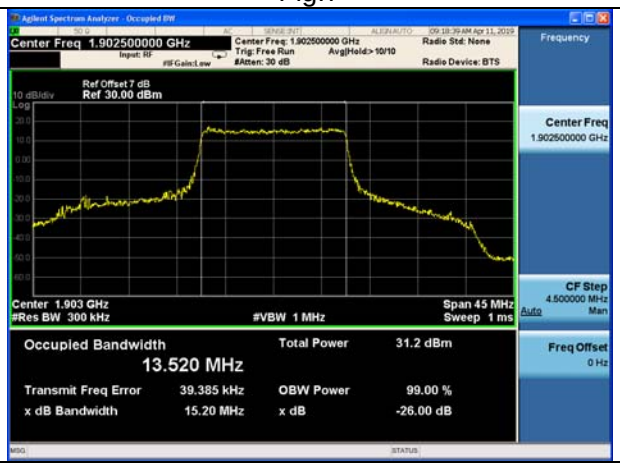


Fig.8

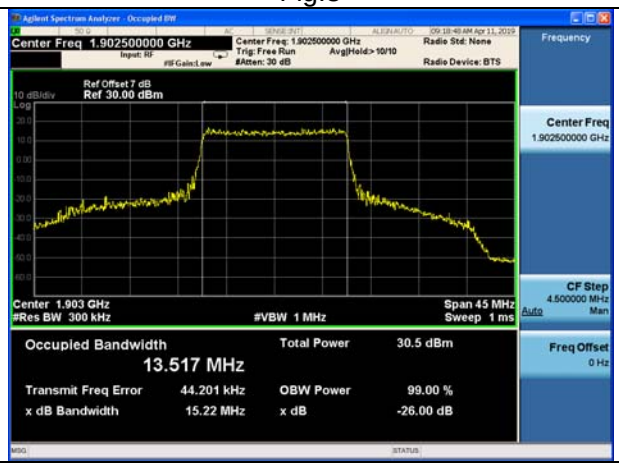
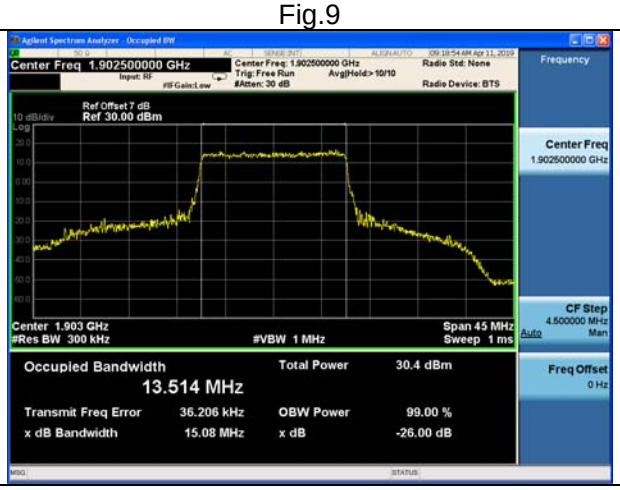


Fig.9



Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1860	18700	20	100	0	17.932	Fig.1	17.930	Fig.2	17.909	Fig.3
2	1880	18900	20	100	0	17.947	Fig.4	17.938	Fig.5	17.940	Fig.6
2	1900	19100	20	100	0	17.980	Fig.7	17.955	Fig.8	17.963	Fig.9

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1860	18700	20	100	0	19.75	Fig.1	19.86	Fig.2	19.75	Fig.3
2	1880	18900	20	100	0	20.13	Fig.4	19.65	Fig.5	19.67	Fig.6
2	1900	19100	20	100	0	20.19	Fig.7	20.09	Fig.8	19.86	Fig.9

Fig.1

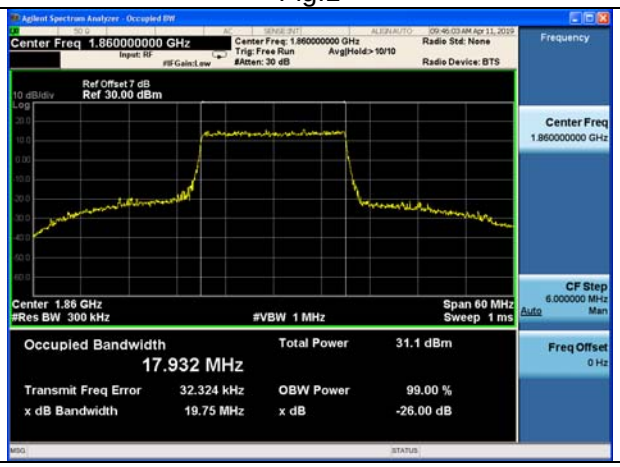


Fig.2

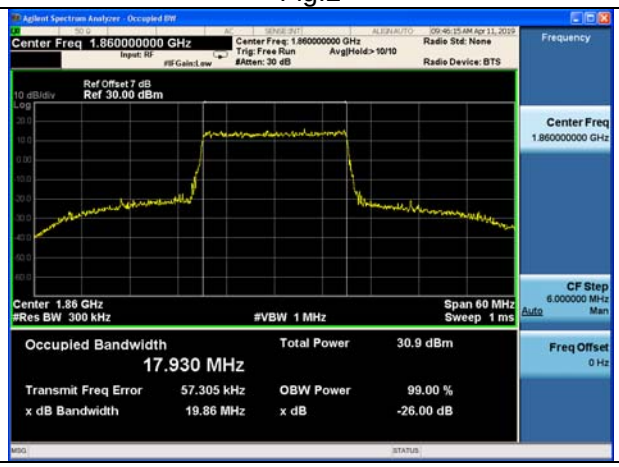


Fig.3

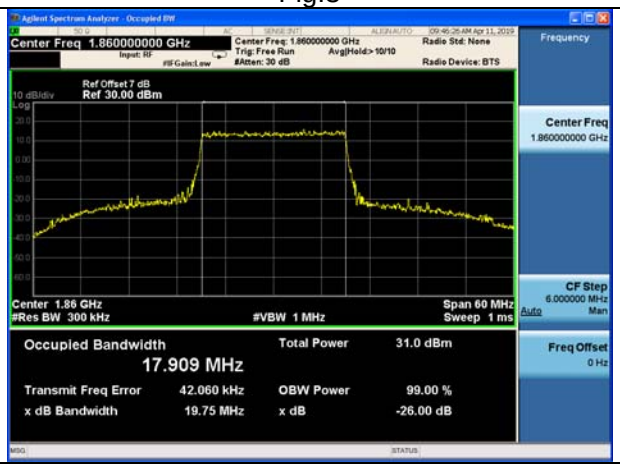


Fig.4

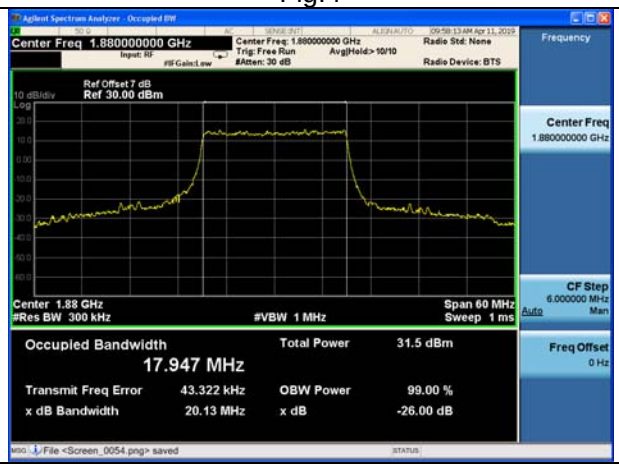


Fig.5

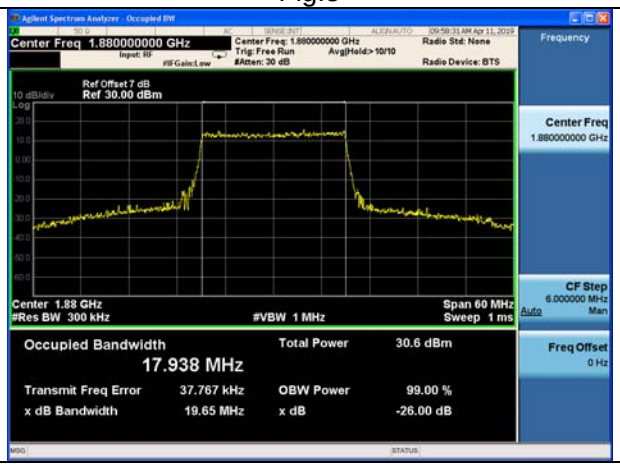


Fig.6

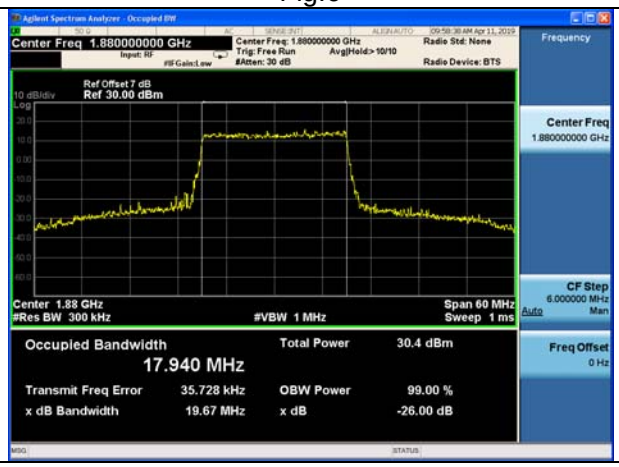


Fig.7

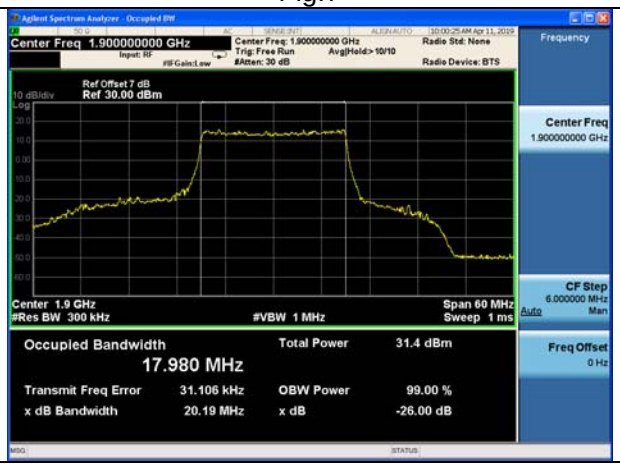


Fig.8

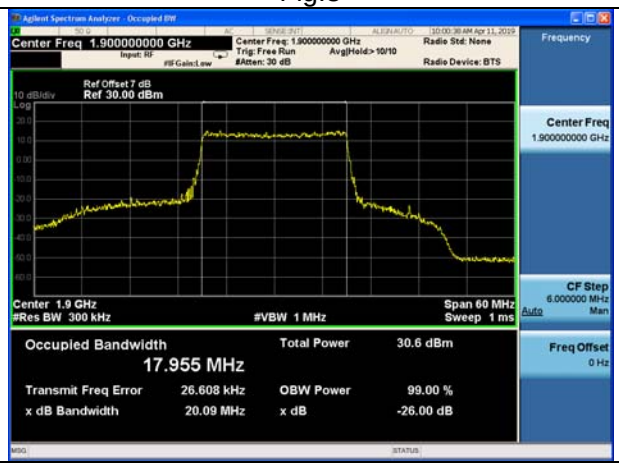
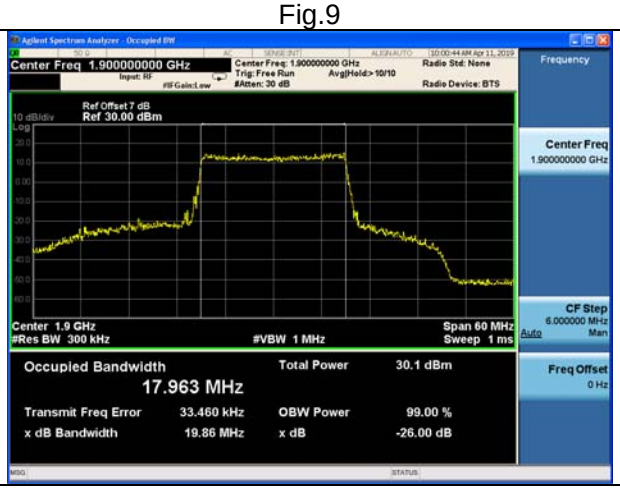
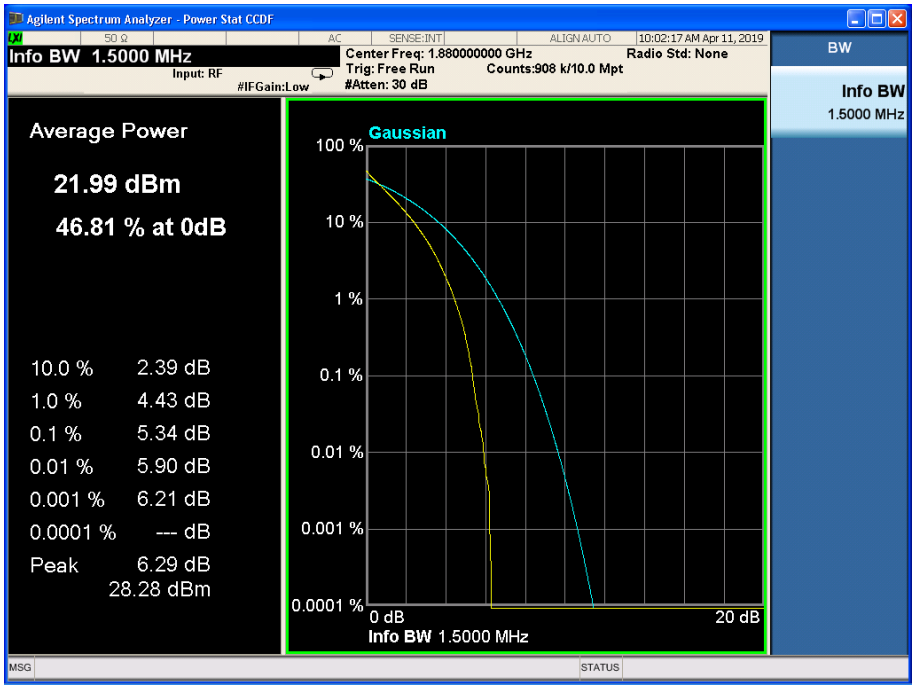


Fig.9

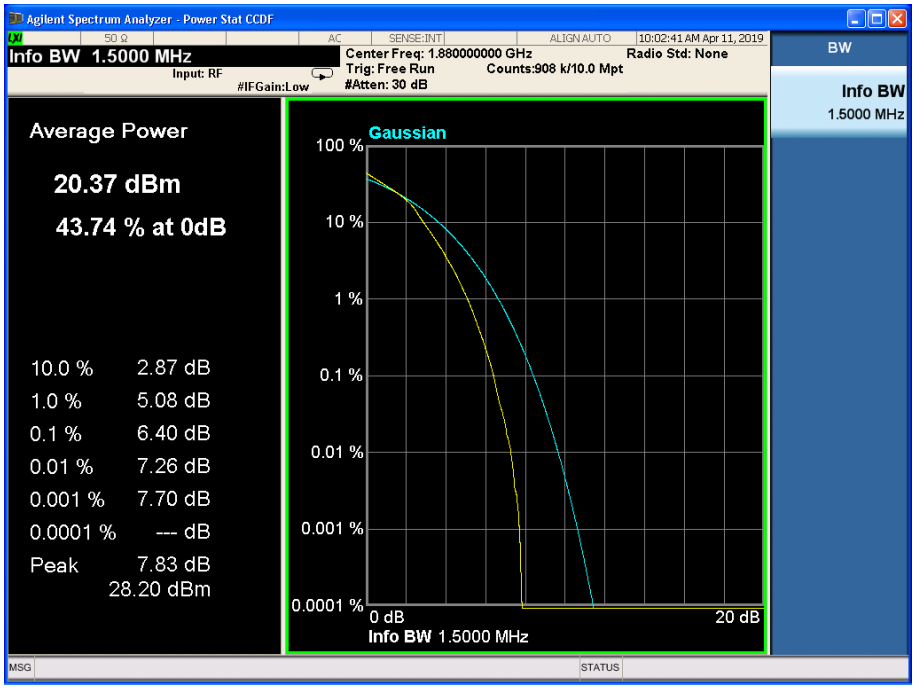


3 Peak-Average Ratio

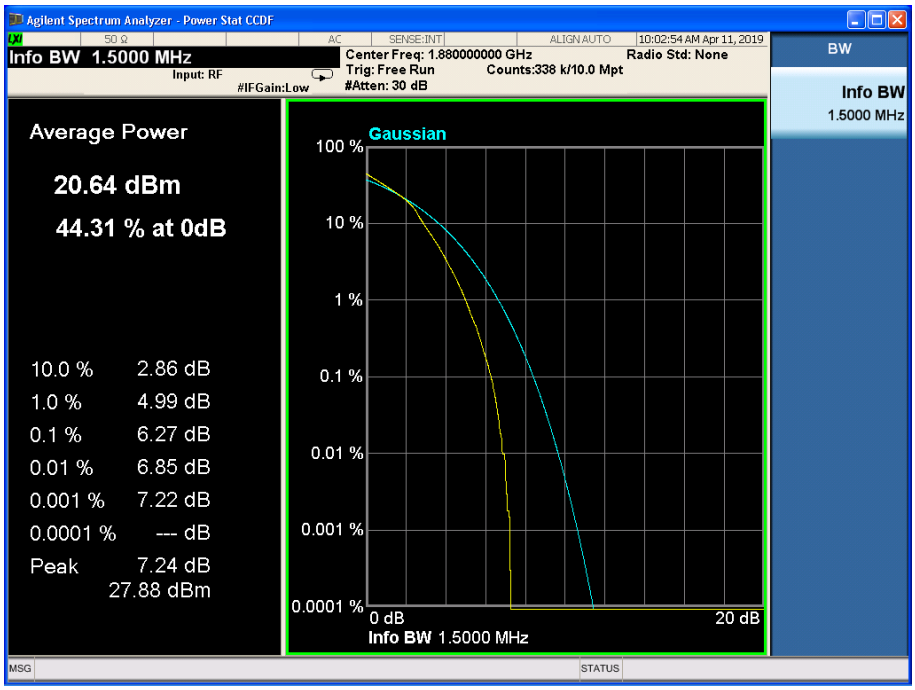
Test result:



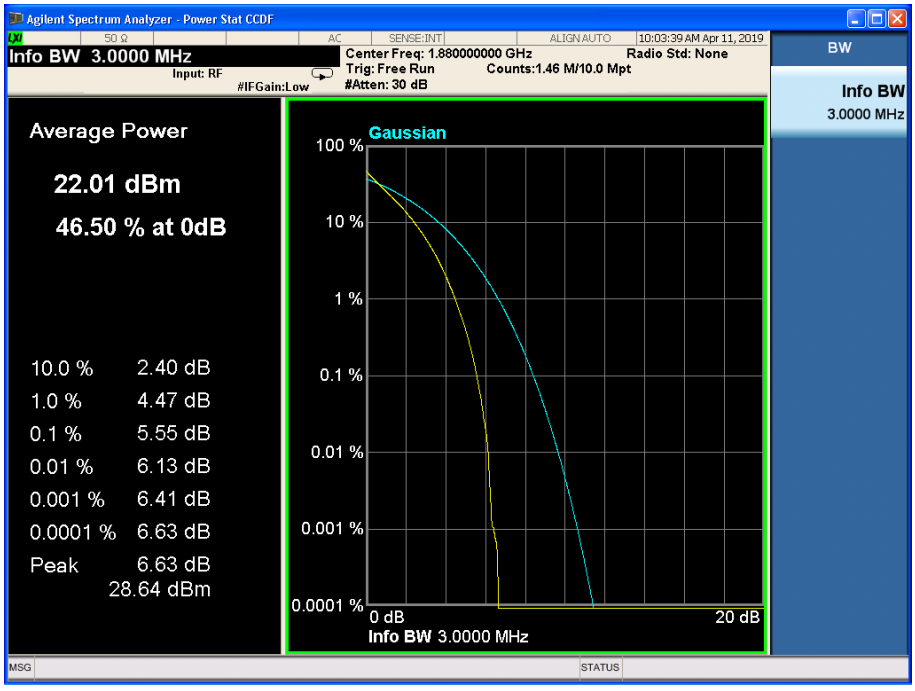
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 2-mid Channel)



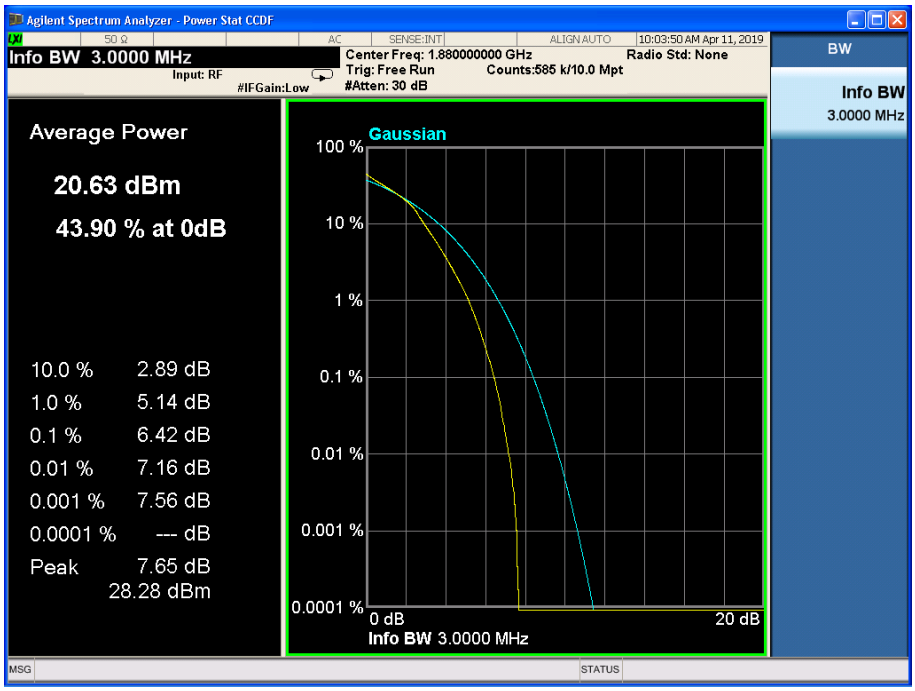
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 2-mid Channel)



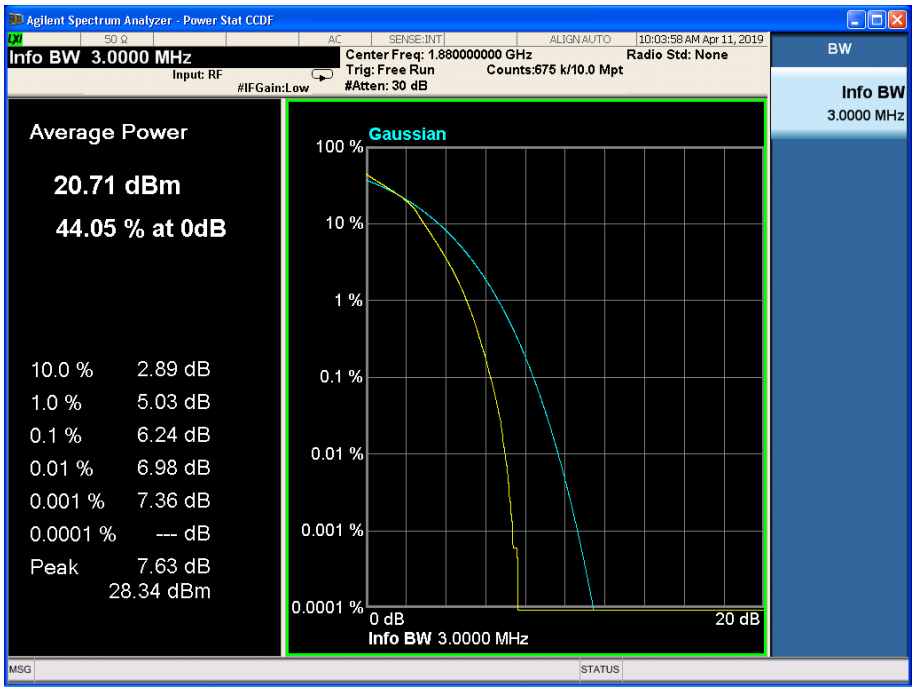
Peak-Average Ratio Plot(1.4MHz BW,64QAM,Band 2-mid Channel)



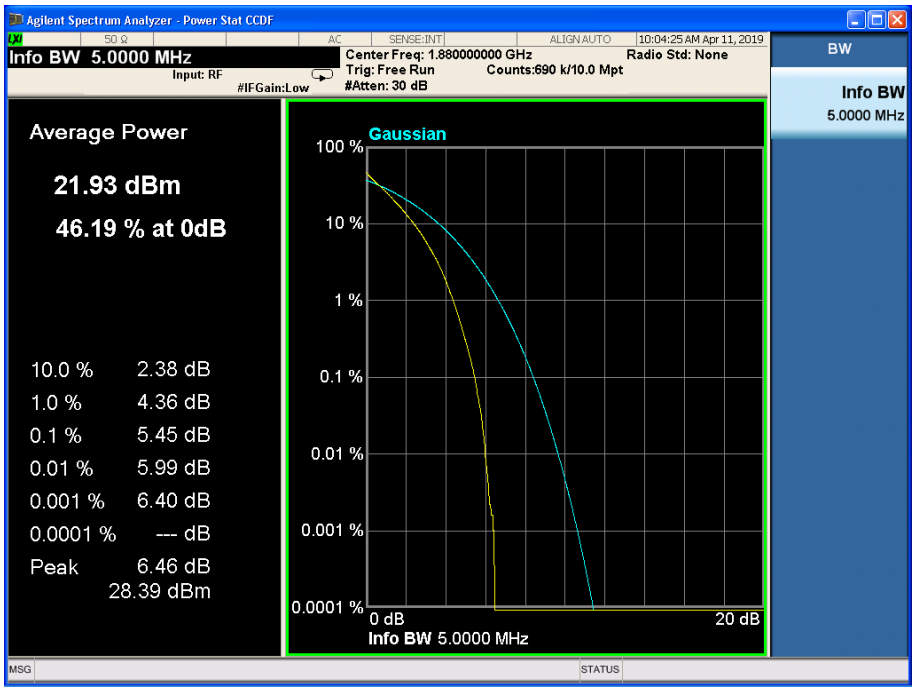
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 2-mid Channel)



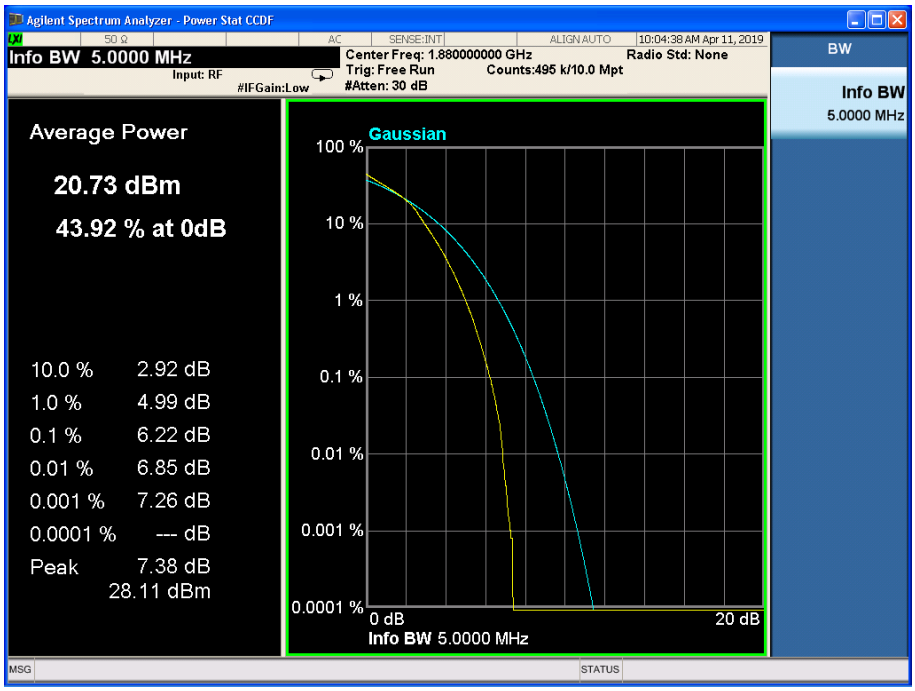
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 2-mid Channel)



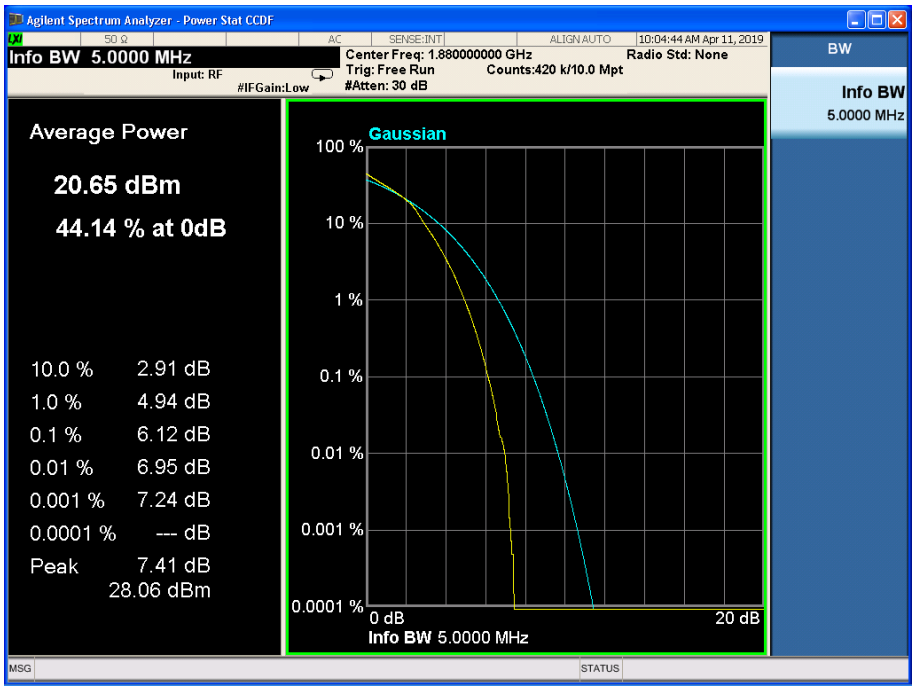
Peak-Average Ratio Plot(3MHz BW,64QAM,Band 2-mid Channel)



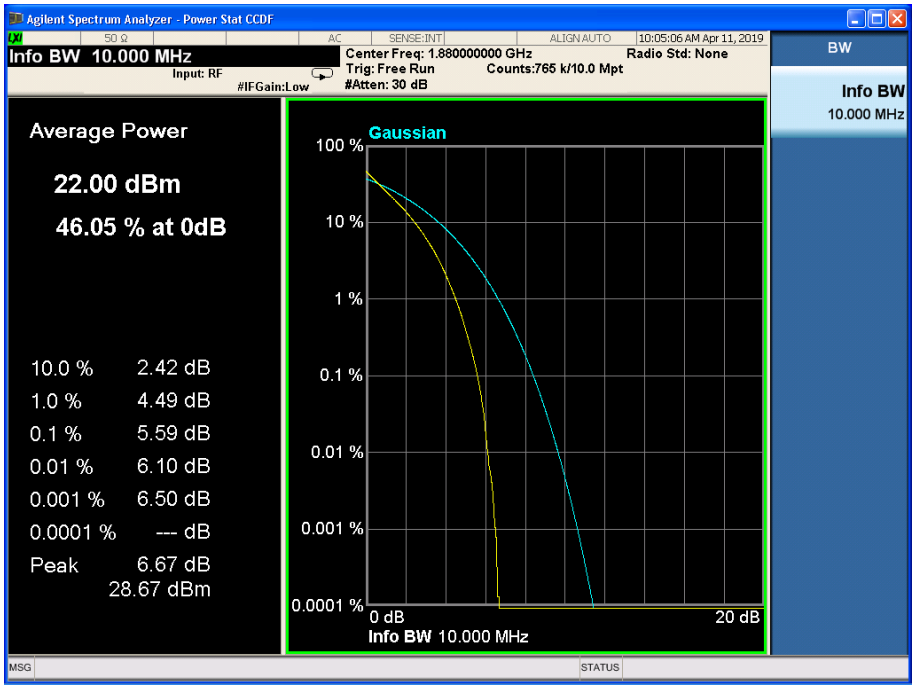
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 2-mid Channel)



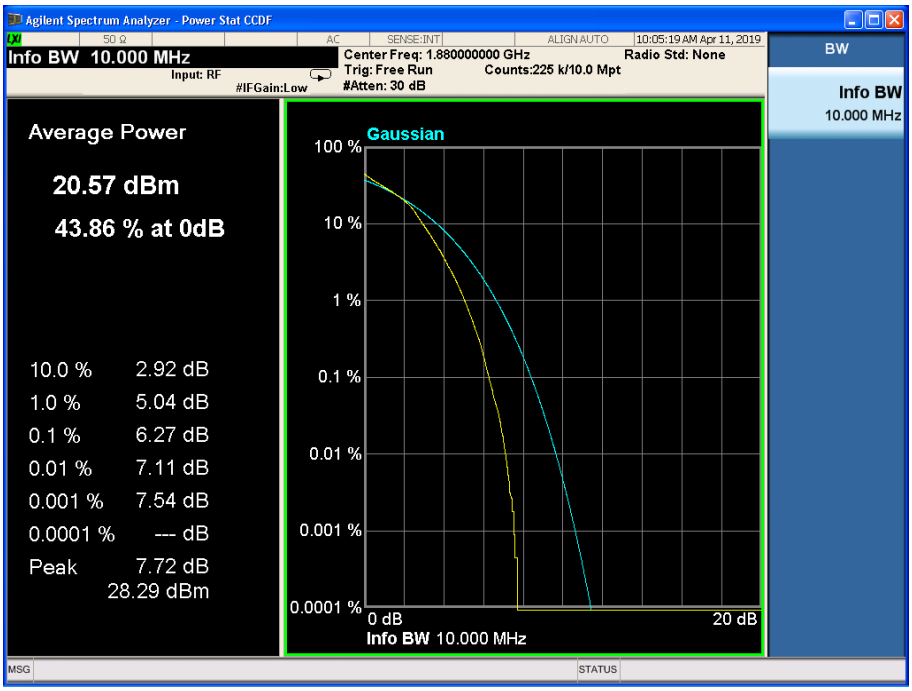
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 2-mid Channel)



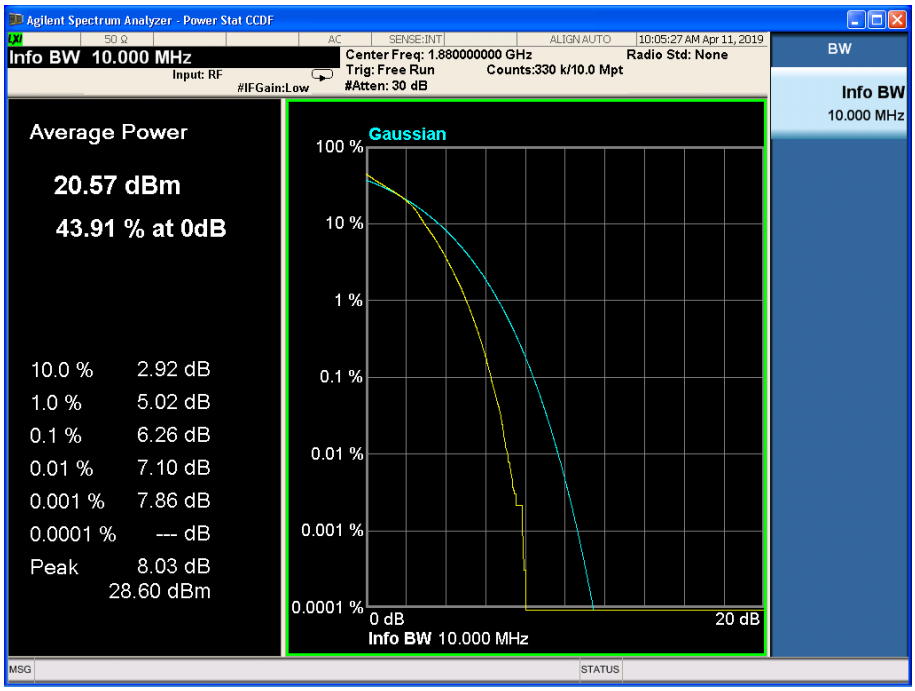
Peak-Average Ratio Plot(5MHz BW,64QAM,Band 2-mid Channel)



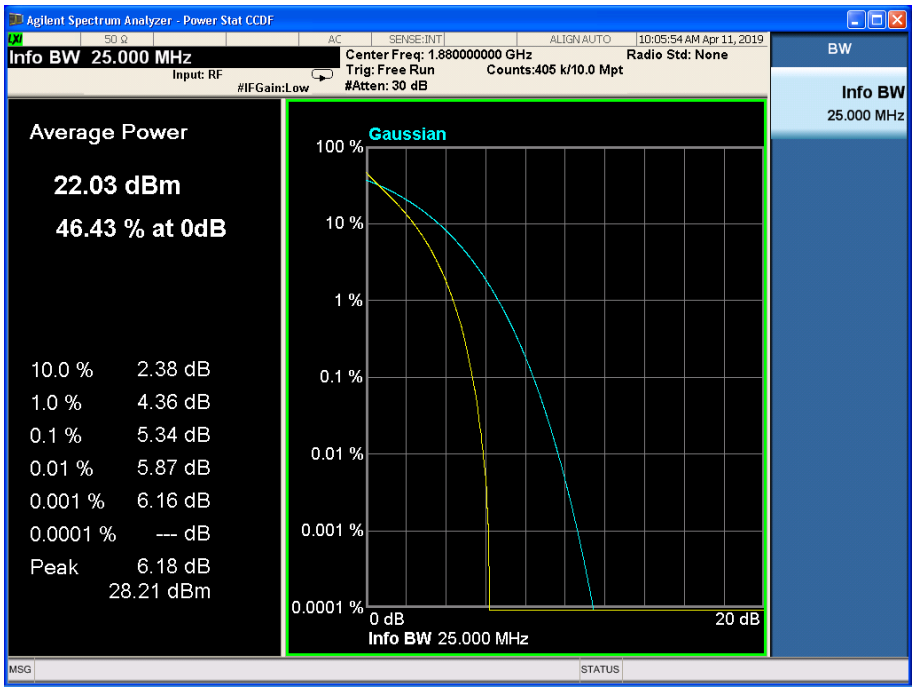
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 2-mid Channel)



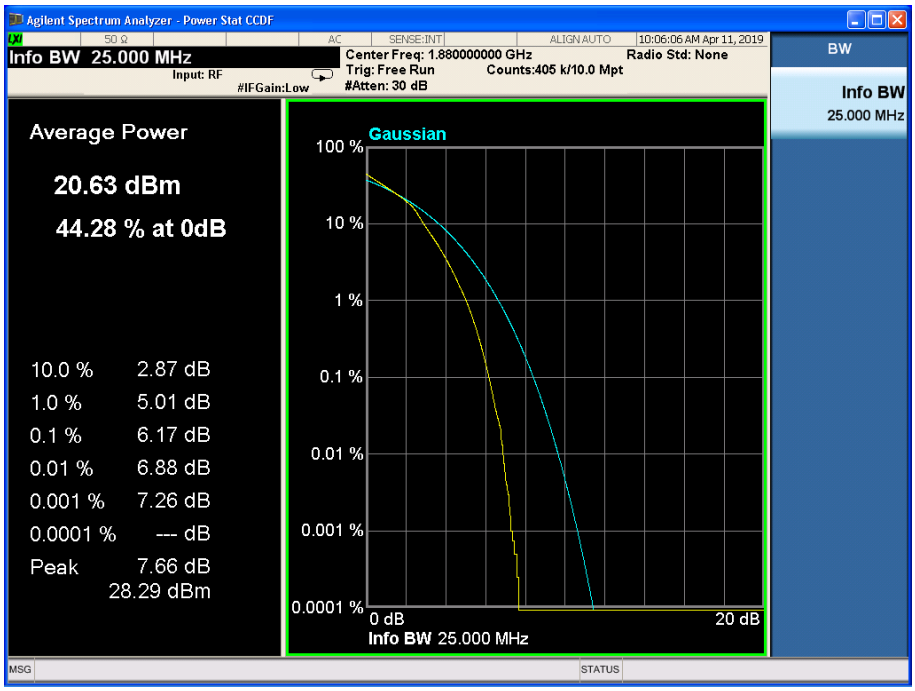
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 2-mid Channel)



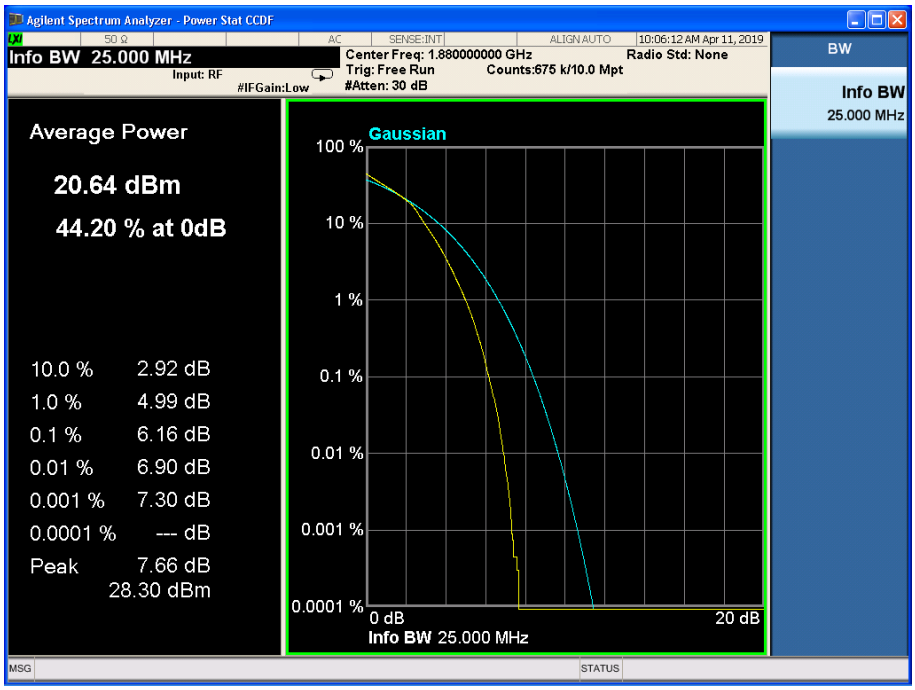
Peak-Average Ratio Plot(10MHz BW,64QAM,Band 2-mid Channel)



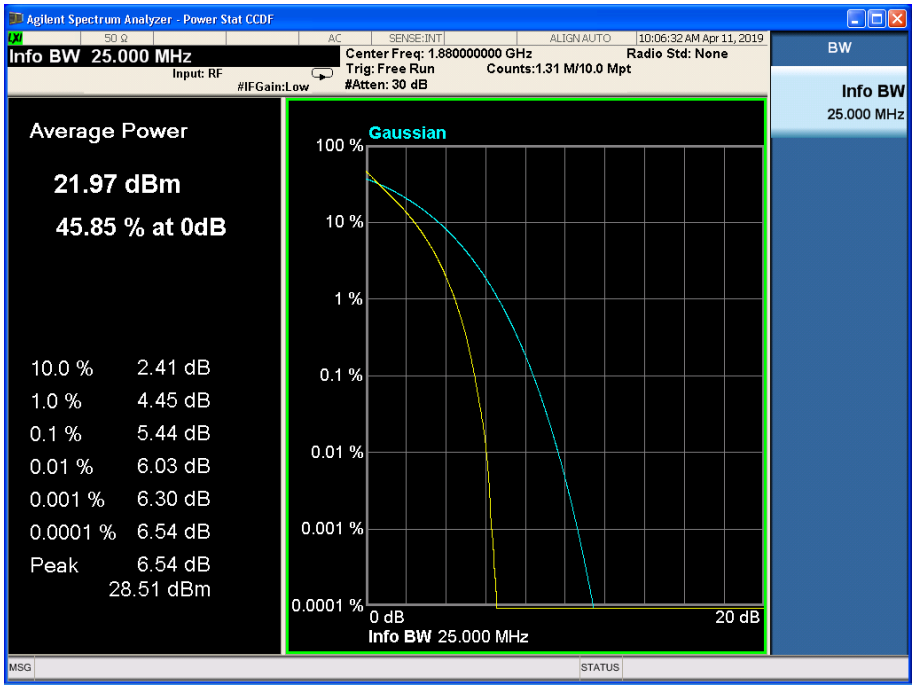
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 2-mid Channel)



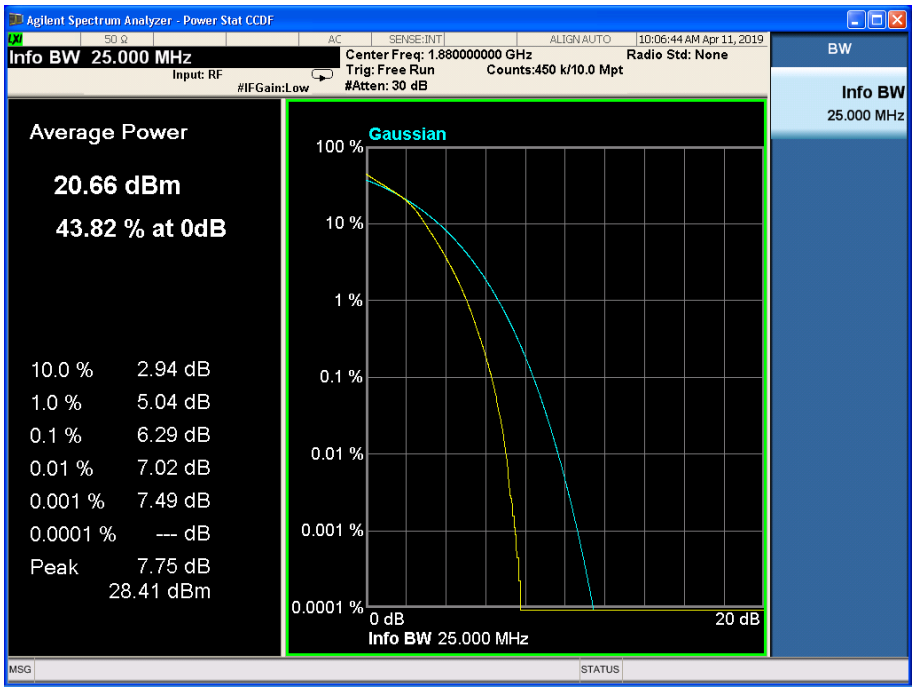
Peak-Average Ratio Plot(15MHz BW,16QAM,Band 2-mid Channel)



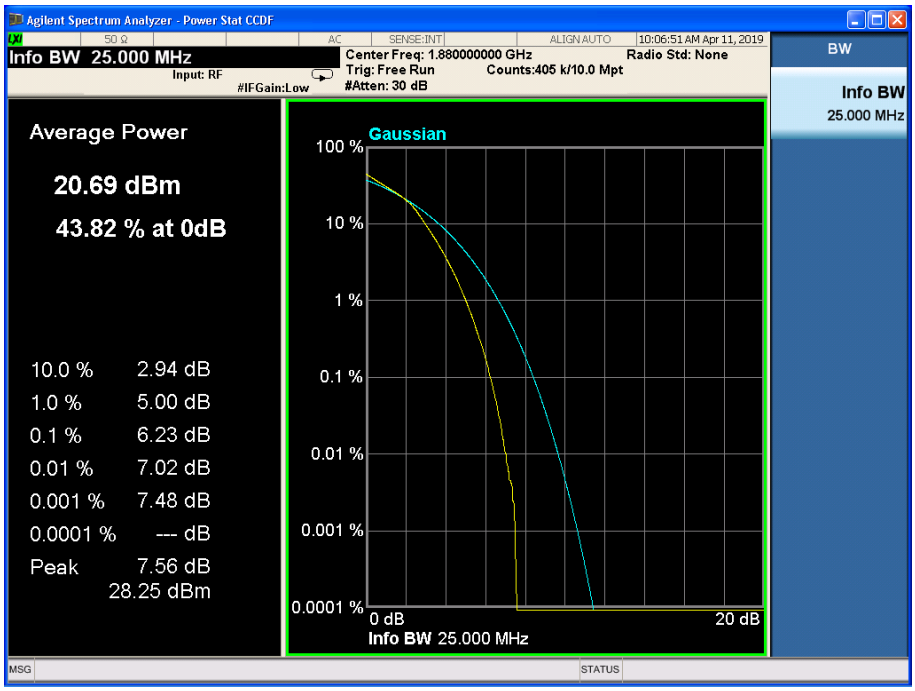
Peak-Average Ratio Plot(15MHz BW,64QAM,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 2-mid Channel)



Peak-Average Ratio Plot(20MHz BW,64QAM,Band 2-mid Channel)

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1860	18700	20	1	0	Fig.1

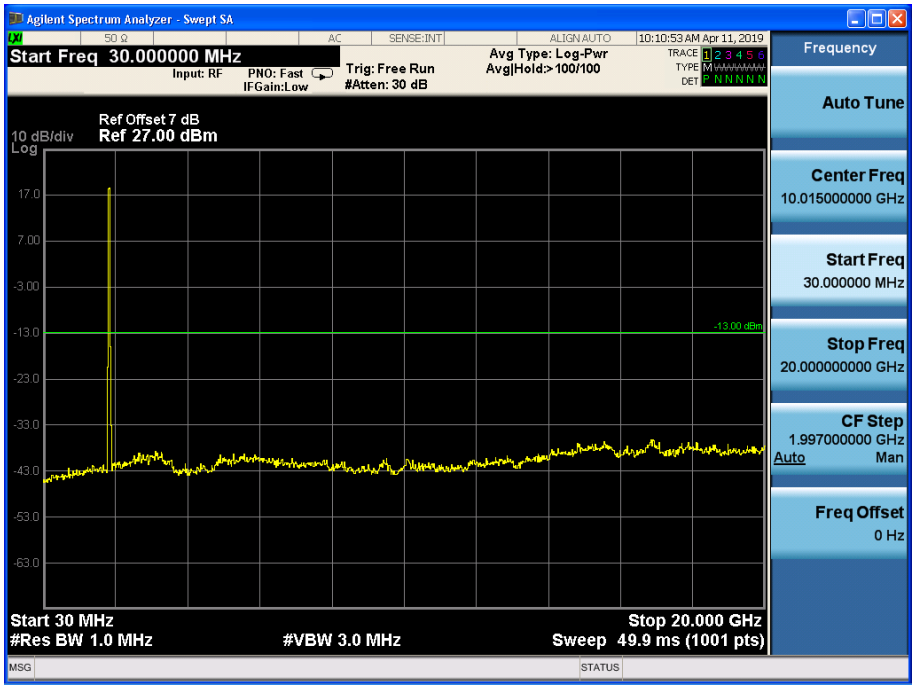


Fig.1

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1880	18900	20	1	0	Fig.1

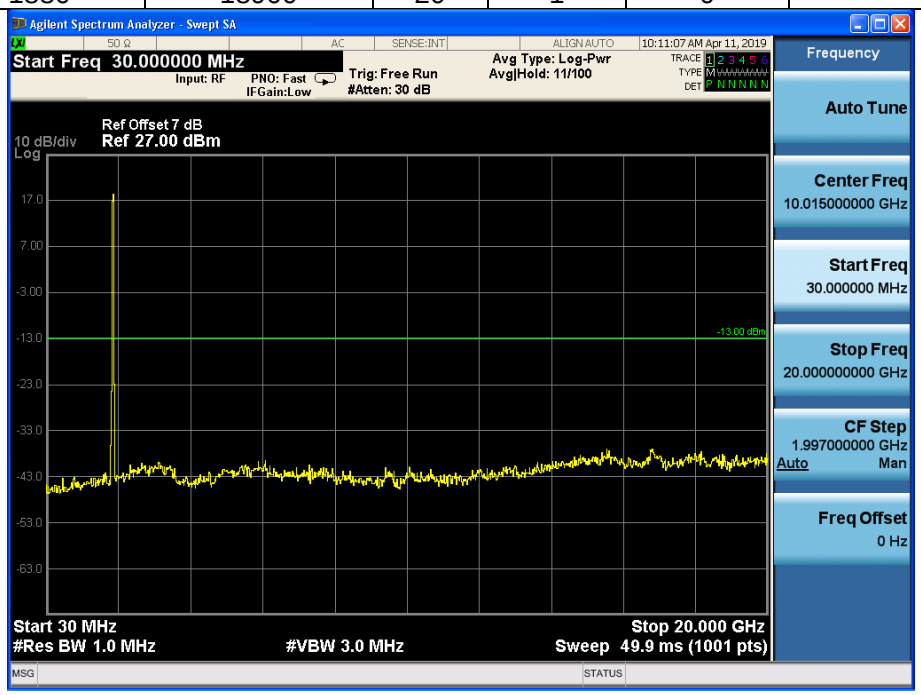


Fig.1

Band	Carrier frequency (MHz)	Channel(Low)	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
2	1900	19100	20	1	0	Fig.1

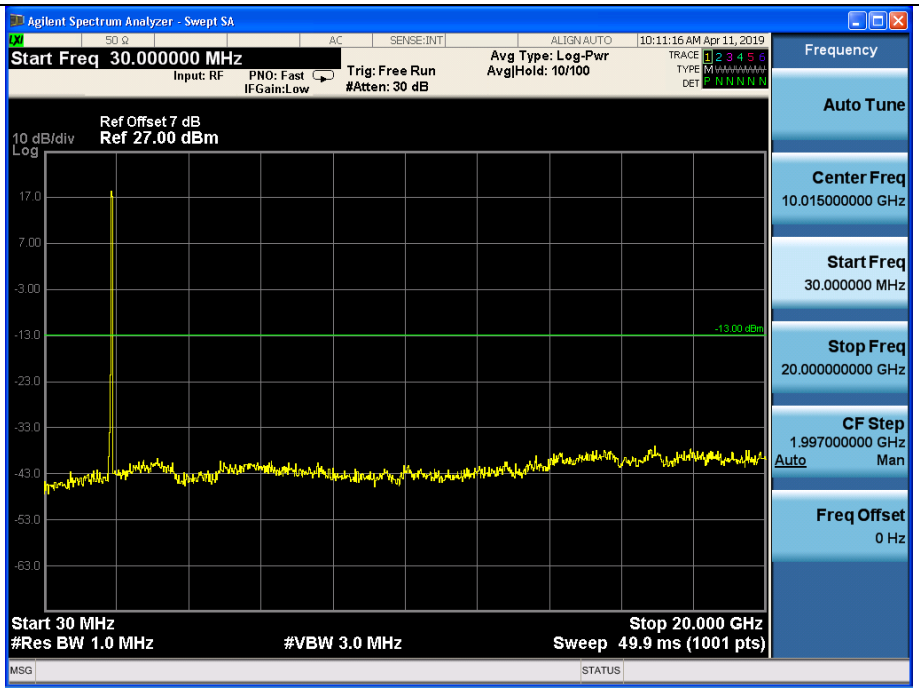

Agilent Spectrum Analyzer - Swept SA
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:11:16 AM Apr 11, 2019
Start Freq 30.000000 MHz
Input: RF
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Ref Offset 7 dB
10 dB/div
Log
Ref 27.00 dBm
17.0
7.00
-3.00
-13.0
-23.0
-33.0
-43.0
-53.0
-63.0
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 20.000 GHz
Sweep 49.9 ms (1001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
10.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
20.000000000 GHz
CF Step
1.997000000 GHz
Auto
Man
Freq Offset
0 Hz

Fig.1

5 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1850.7	18607	1.4	1	0	Fig.1
				6	0	Fig.4

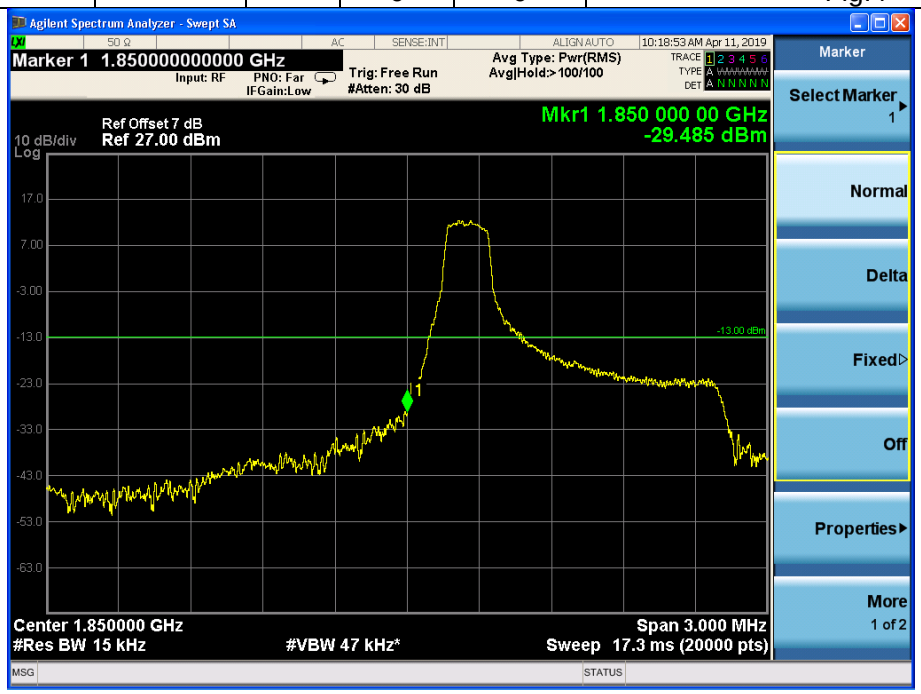


Fig.1

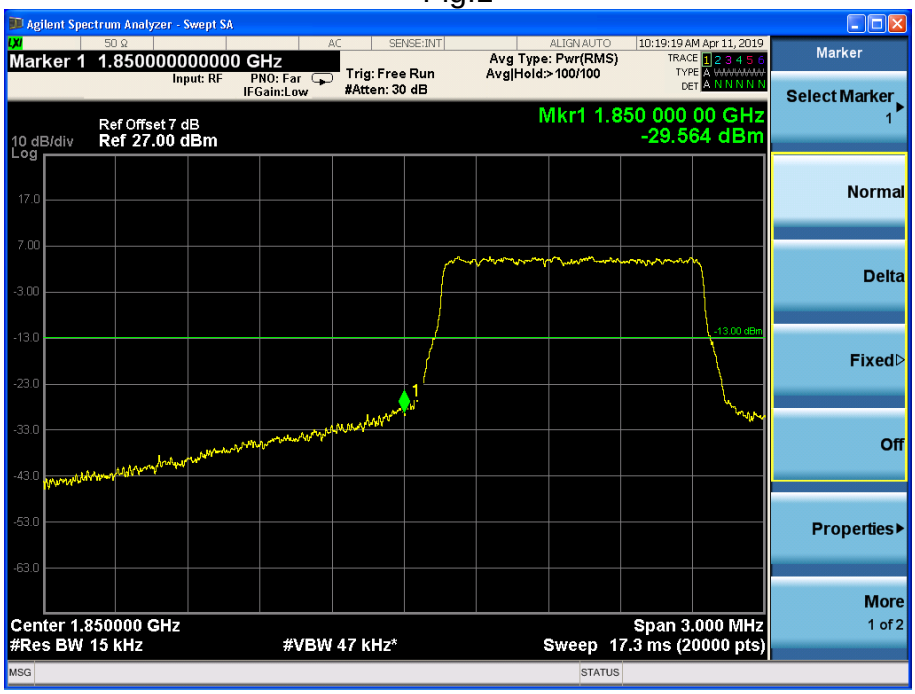


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1909.3	19193	1.4	1	5	Fig.1
				6	0	Fig.4

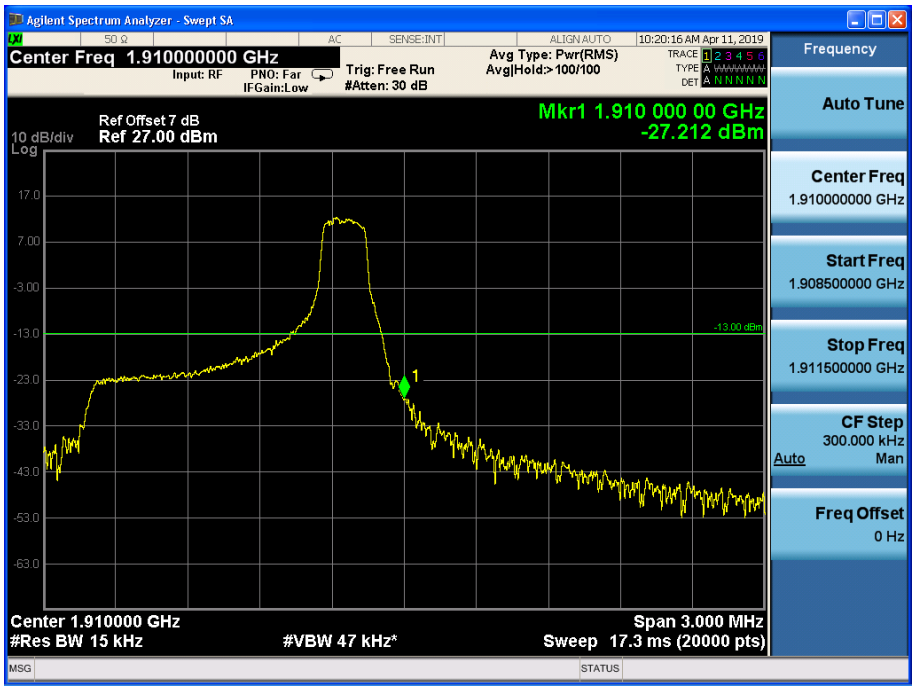


Fig.1

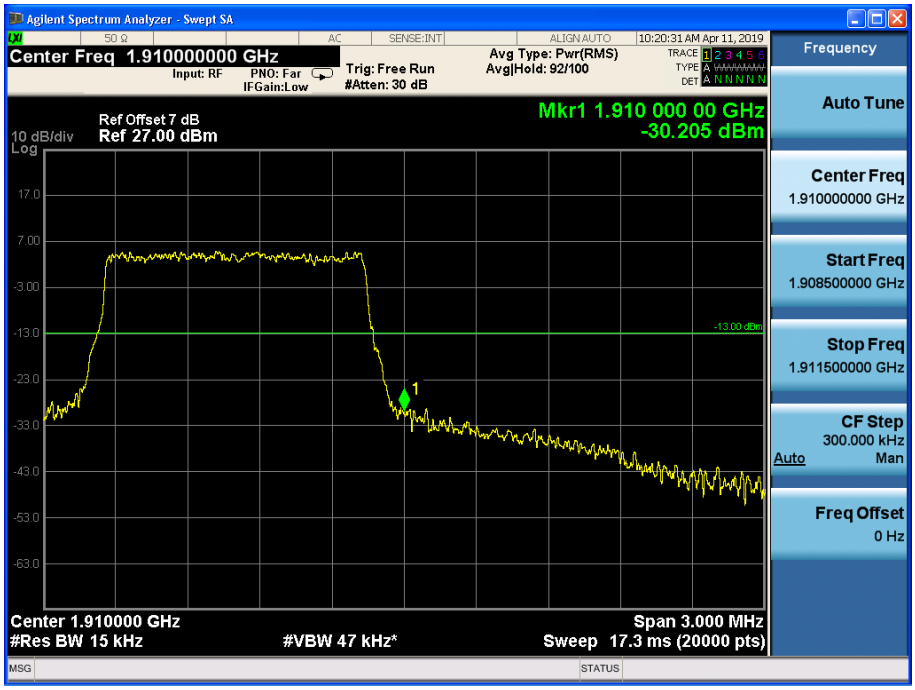


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1851.5	18615	3	1	0	Fig.1
				15	0	Fig.4

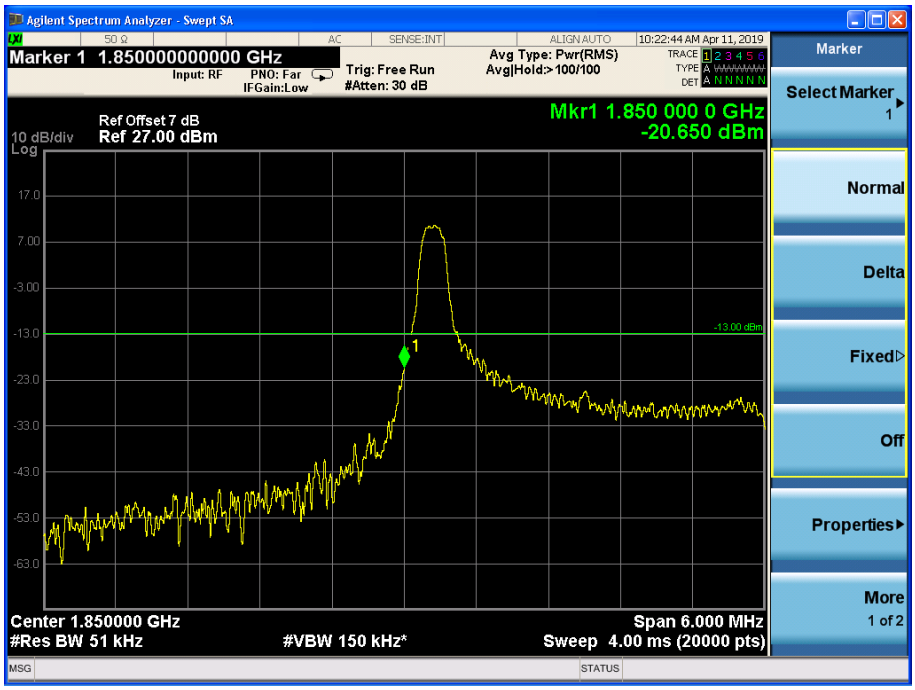


Fig.1

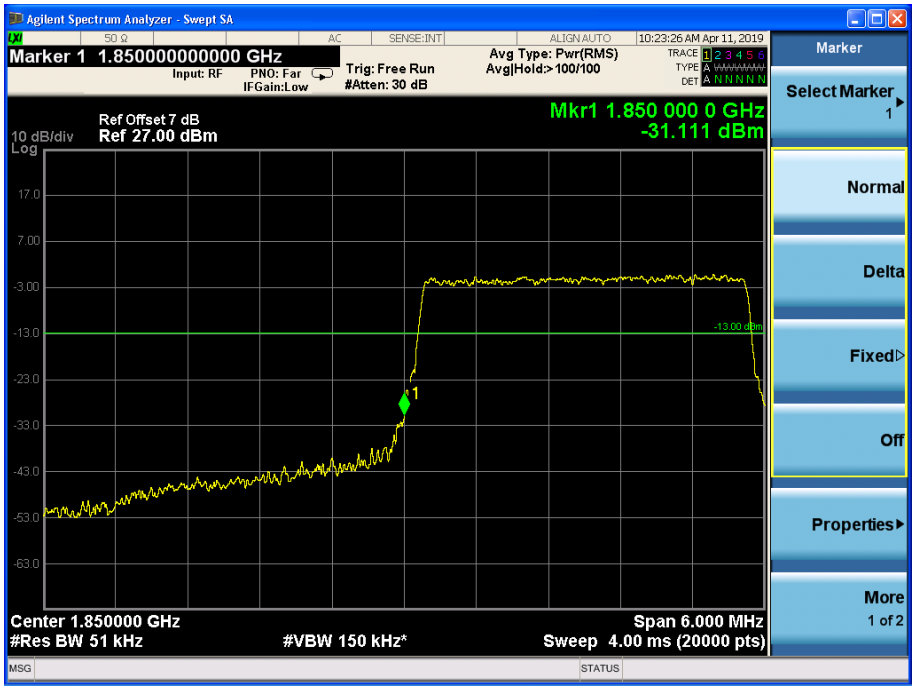


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1908.5	19185	3	1	14	Fig.1
				15	0	Fig.4

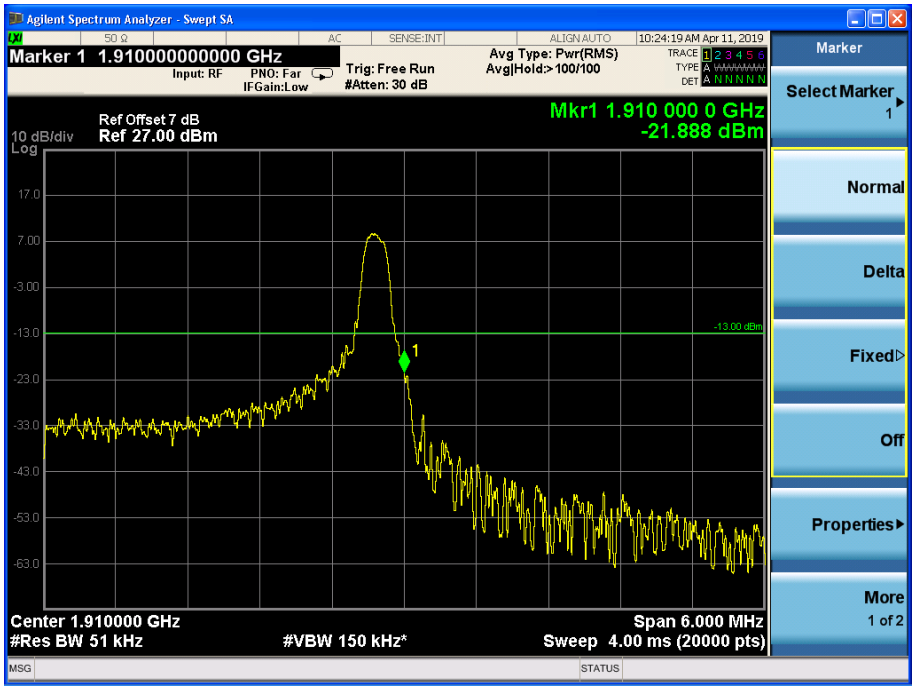


Fig.1

Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1852.5	18625	5	1	0	Fig.1
				25	0	Fig.4

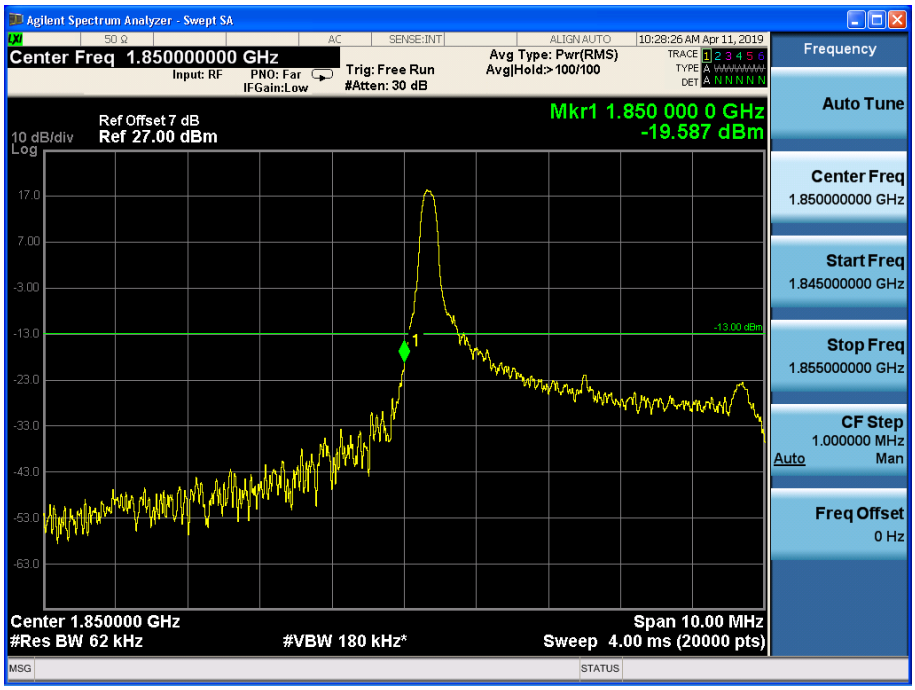


Fig.1

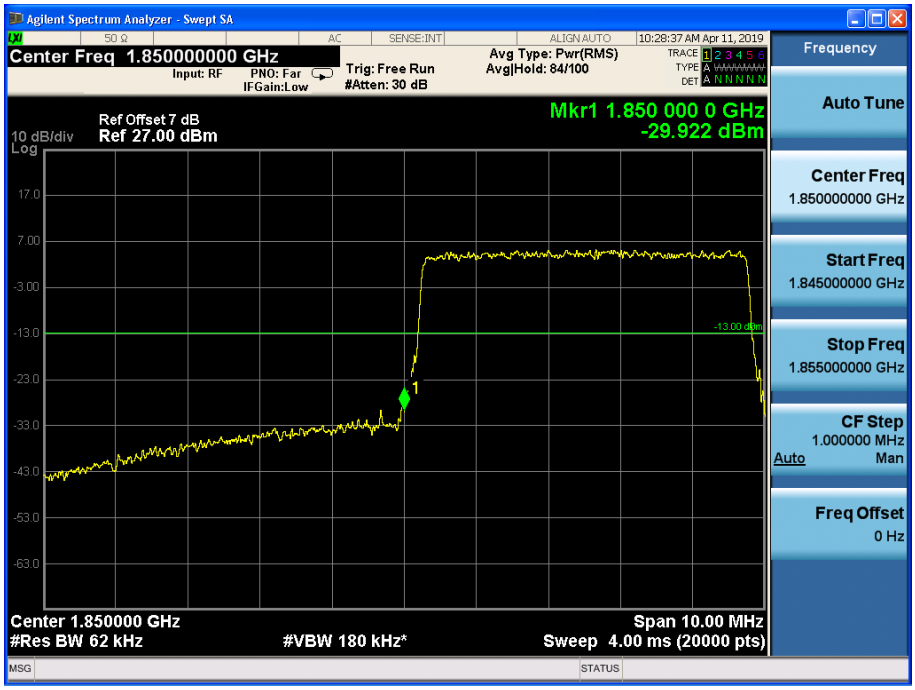


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1907.5	19175	5	1	24	Fig.1
				25	0	Fig.4

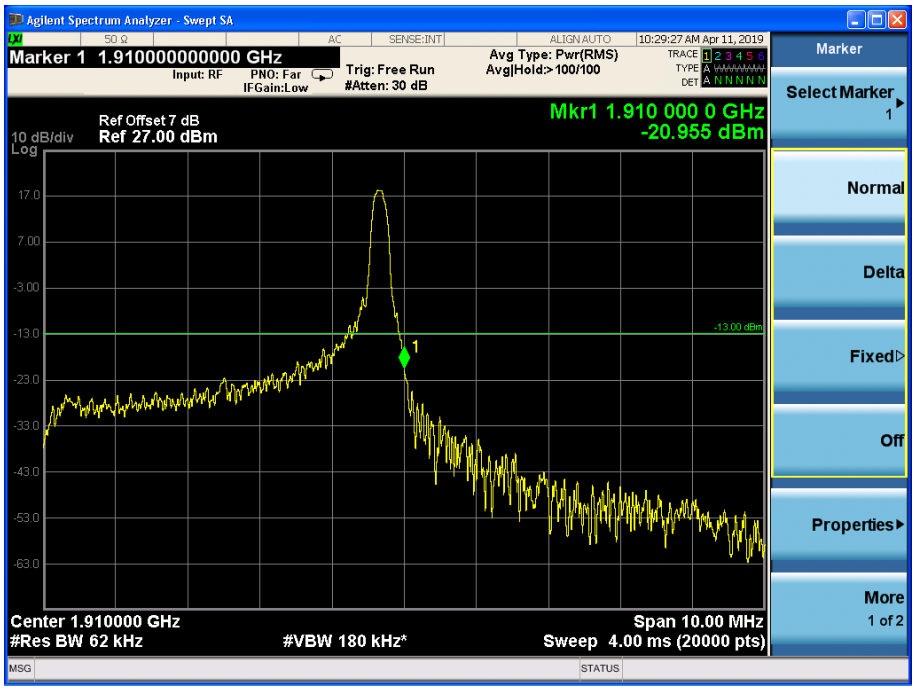


Fig.1

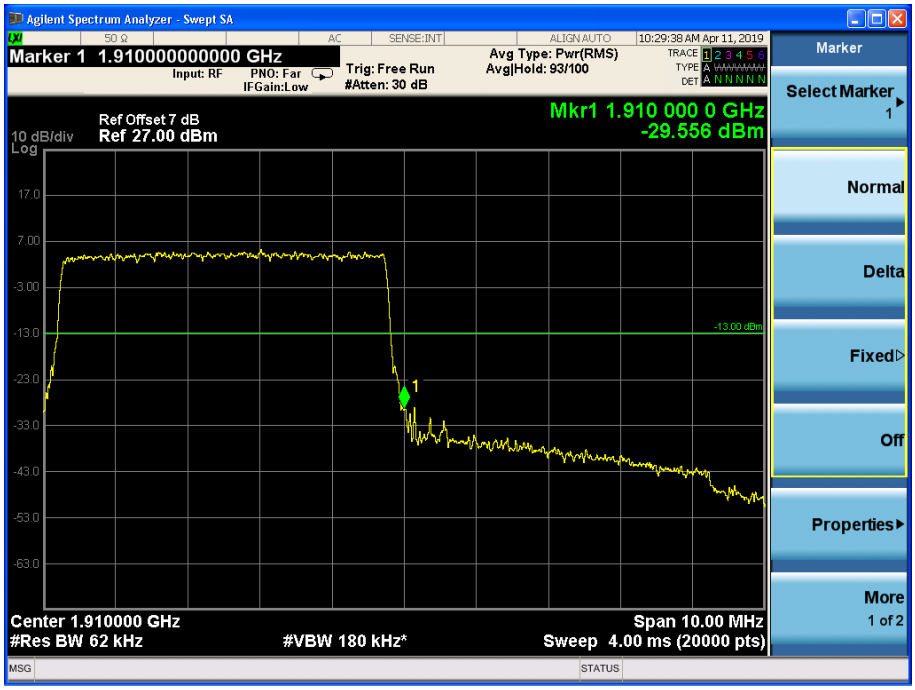


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1855	18650	10	1	0	Fig.1
				50	0	Fig.4

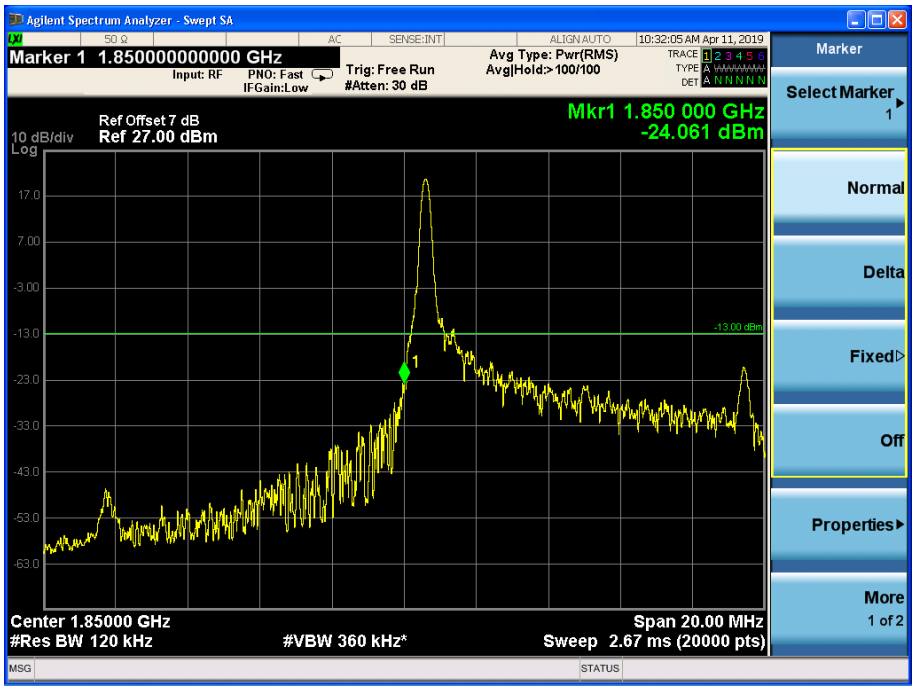


Fig.1

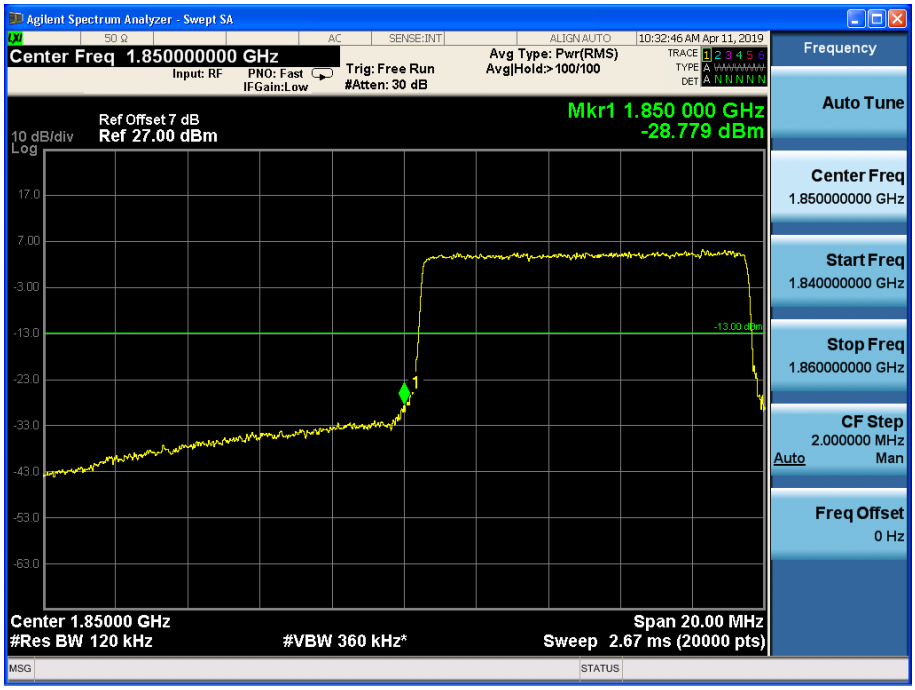


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1905	19150	10	1	49	Fig.1
				50	0	Fig.4

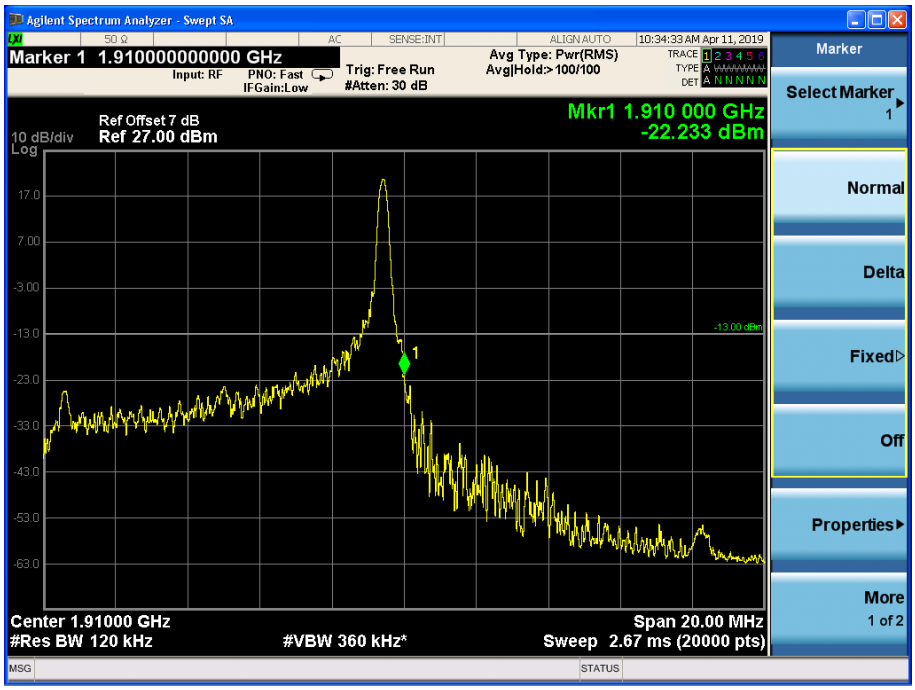


Fig.1

Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1857.5	18675	15	1	0	Fig.1
				75	0	Fig.4

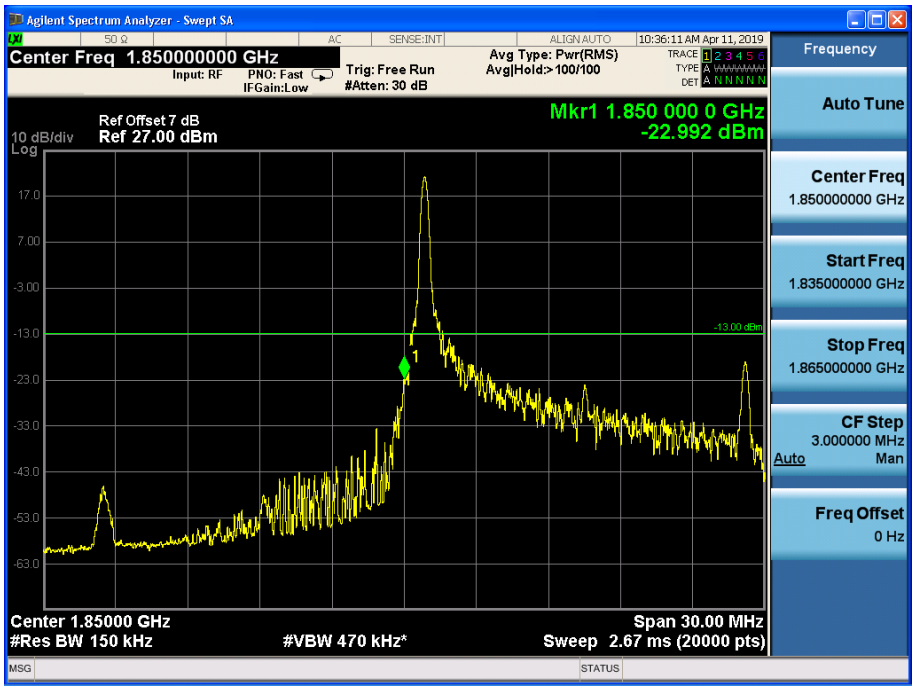


Fig.1

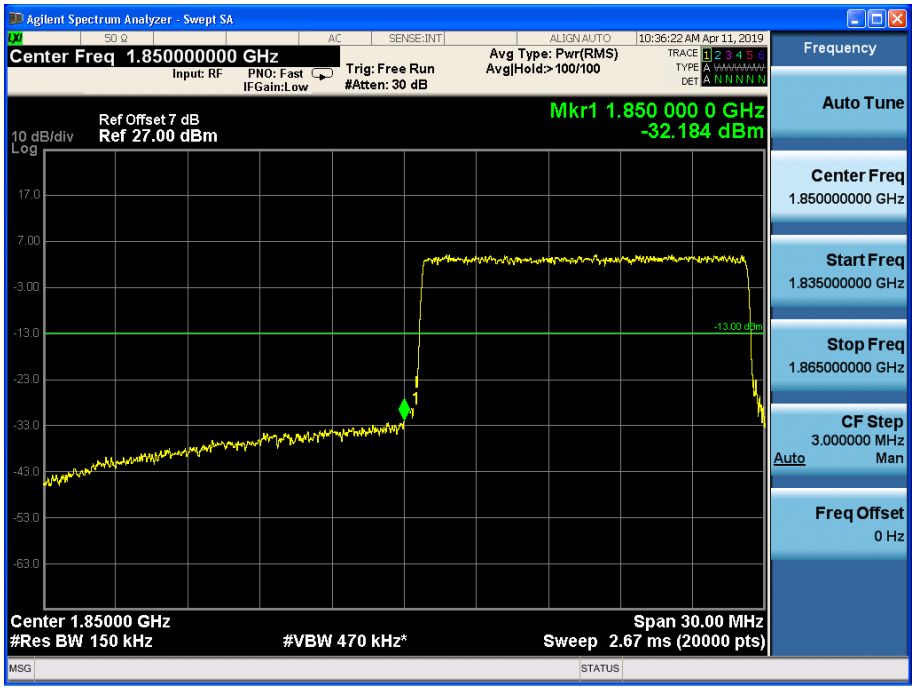


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1902.5	19125	15	1	74	Fig.1
				75	0	Fig.4

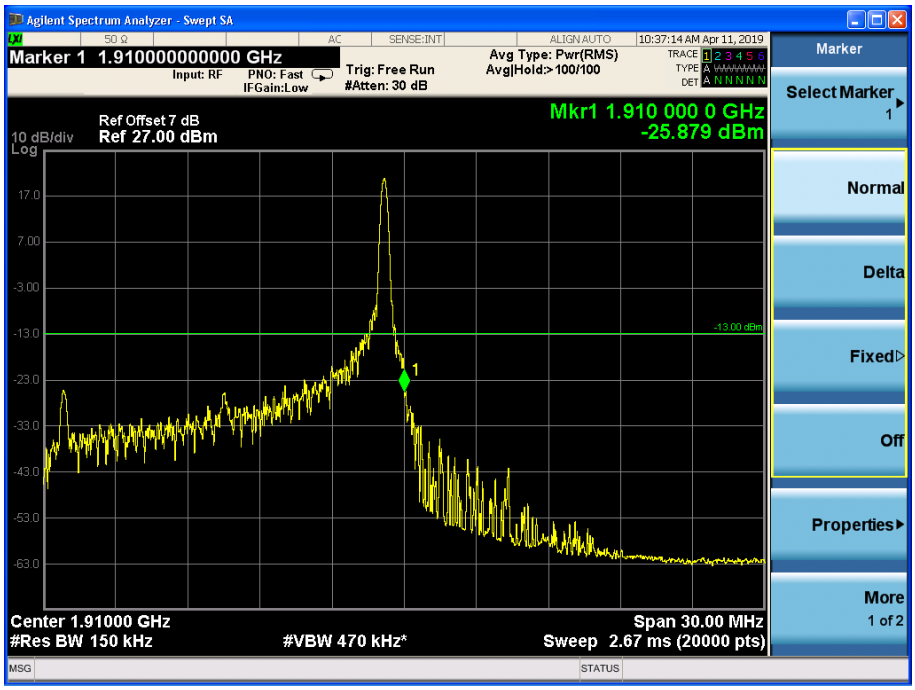


Fig.1

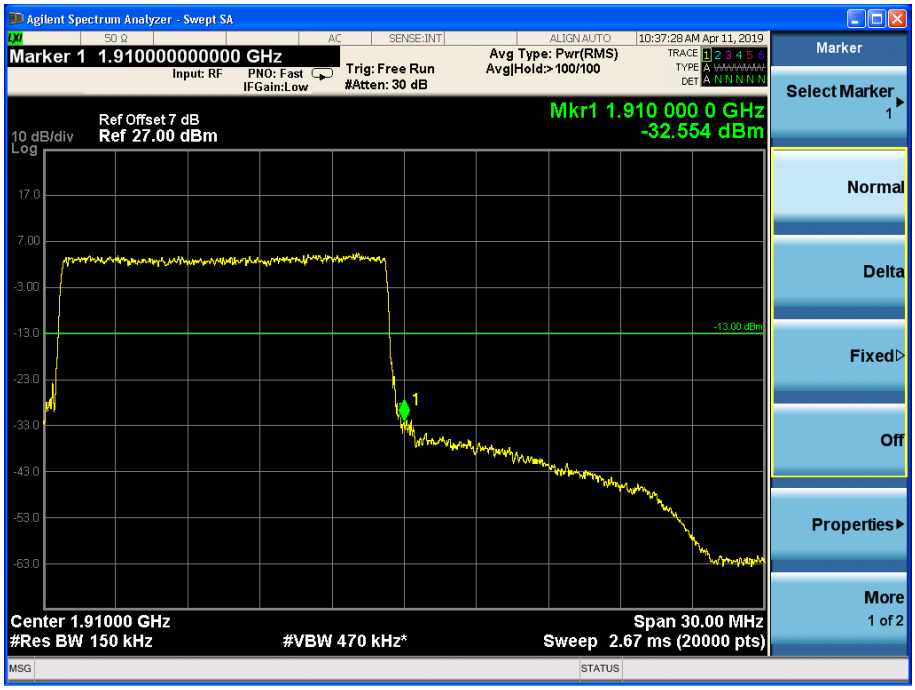


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1860	18700	20	1	0	Fig.1
				100	0	Fig.4

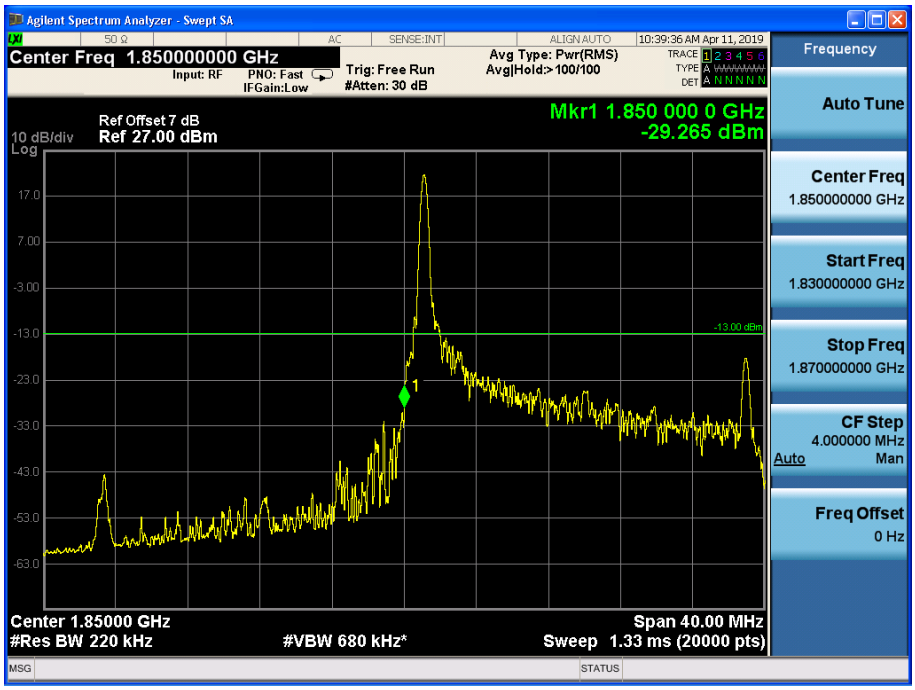


Fig.1

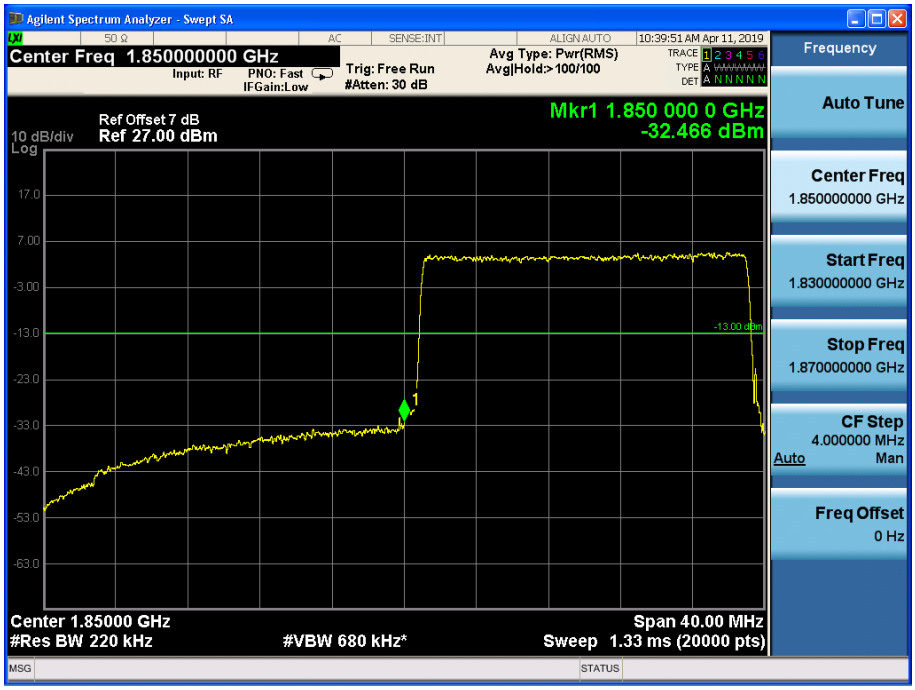


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
2	1900	19100	20	1	99	Fig.1
				100	0	Fig.4

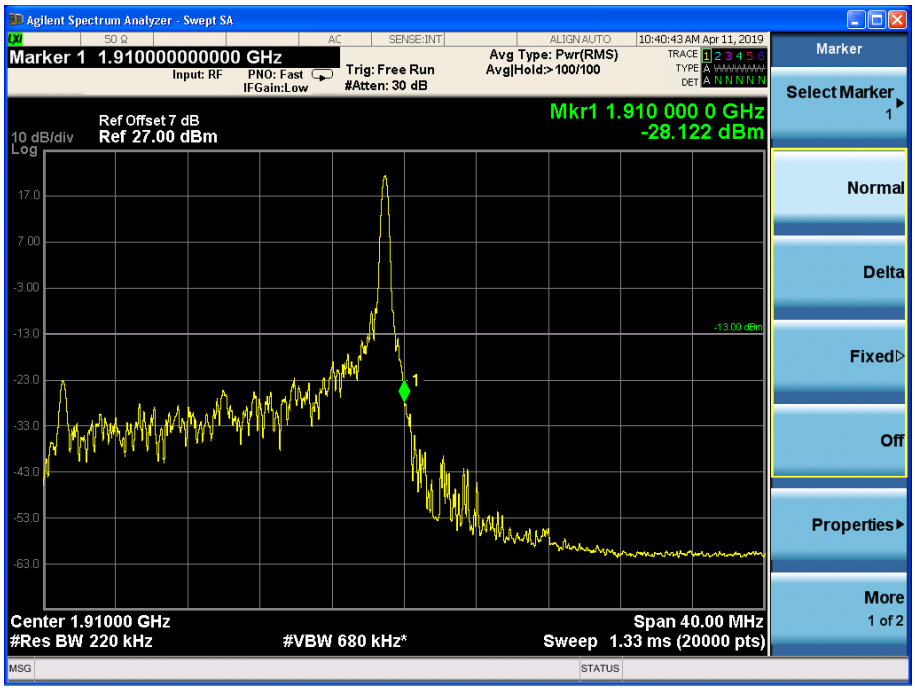


Fig.1

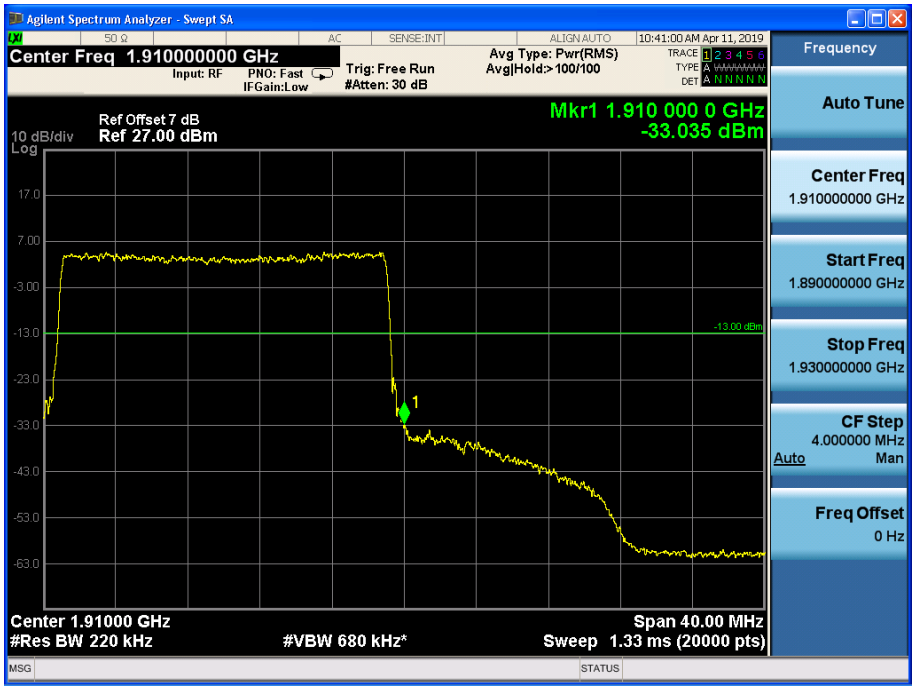


Fig.4

6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band2 Low Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.020	-0.021	0.013	0.002	0.013	-0.001
+10	NV	-0.023	0.011	0.001	-0.012	-0.005	-0.014
+20	NV	0.024	0.002	0.007	0.014	-0.011	-0.002
+30	NV	0.013	0.010	0.004	0.005	-0.008	-0.004
+40	NV	0.018	0.003	0.003	-0.005	0.011	-0.012
+50	NV	0.014	0.004	0.006	0.014	0.003	-0.002
+55	NV	-0.004	-0.014	0.009	0.000	0.014	0.008
+20	LV	-0.020	-0.015	0.007	-0.015	-0.011	0.005
+20	HV	-0.024	0.000	0.006	0.002	-0.014	-0.009

Temperature(°C)	Voltage	Test Result (ppm) Band2 High Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	-0.008	0.011	0.017	0.011	-0.015	0.022
+10	NV	-0.008	-0.022	0.011	0.013	0.004	-0.005
+20	NV	0.011	0.001	-0.004	-0.005	-0.002	0.004
+30	NV	-0.006	-0.013	0.006	0.014	-0.004	-0.010
+40	NV	0.016	0.010	0.004	-0.009	0.002	0.006
+50	NV	0.021	-0.013	-0.005	-0.006	-0.010	0.003
+55	NV	0.003	0.003	-0.008	0.009	0.001	-0.009
+20	LV	-0.020	0.005	-0.012	-0.014	-0.015	-0.002
+20	HV	-0.020	-0.003	-0.014	0.010	0.012	0.014