

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2535	21100	15	75	0	14.718	Fig.4	14.653	Fig.8

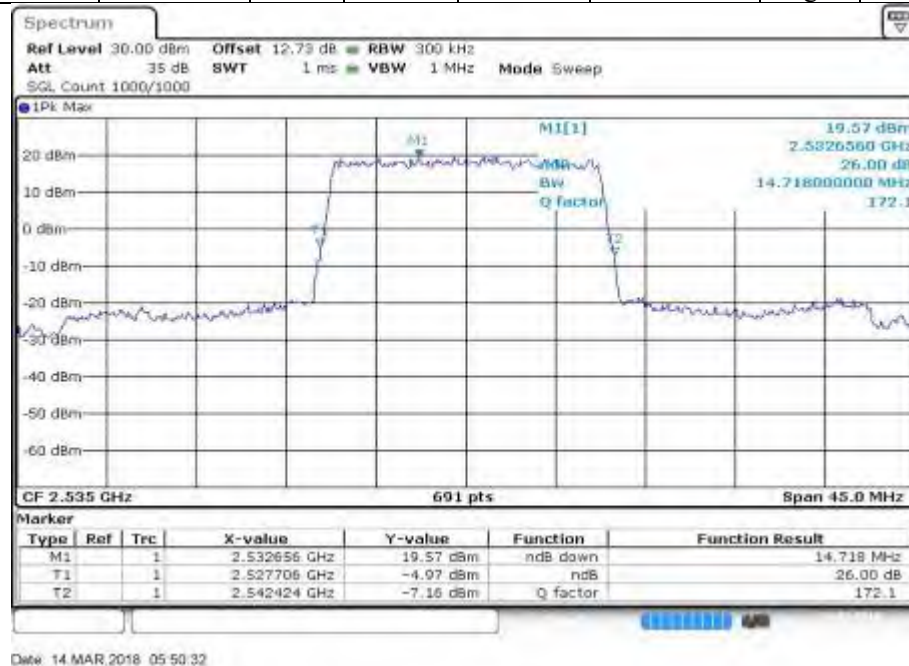


Fig.4

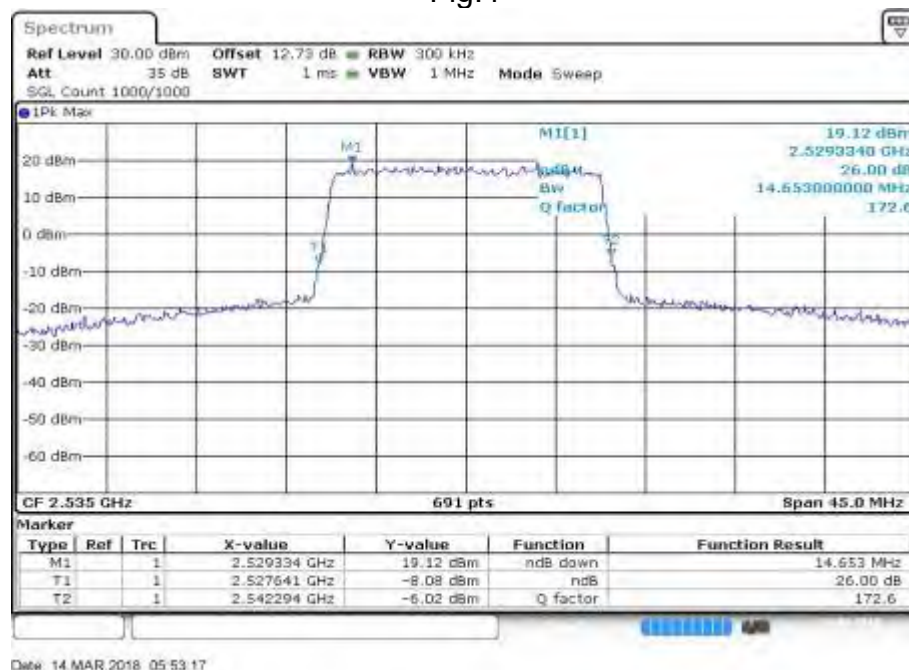


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2562.5	21375	15	75	0	14.783	Fig.4	14.653	Fig.8

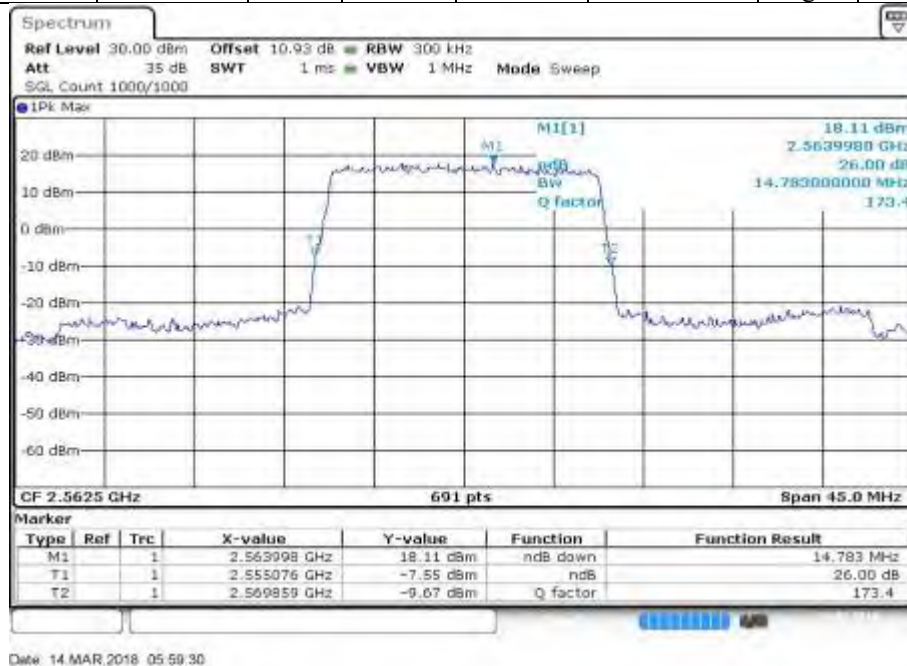


Fig.4

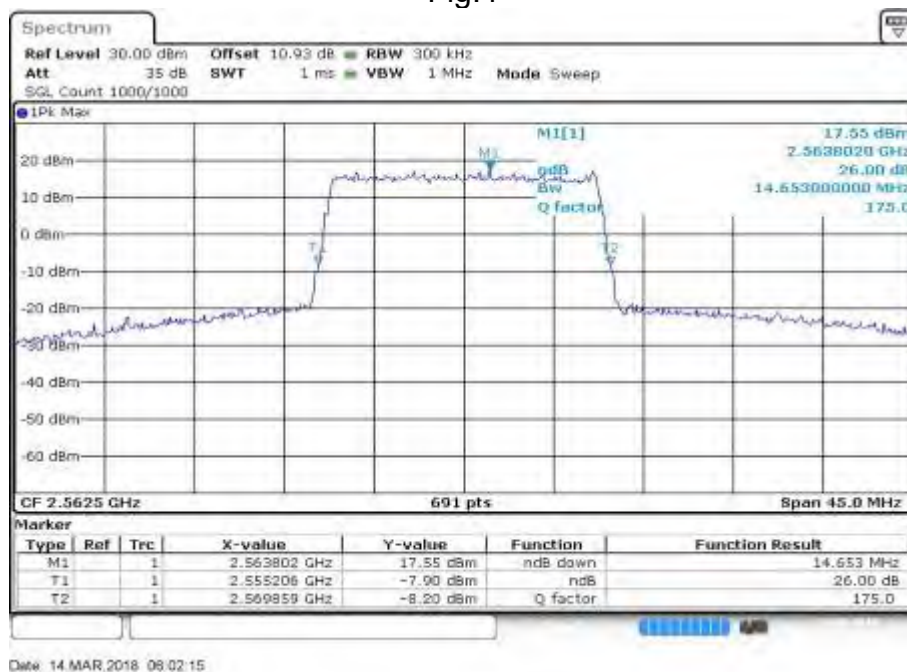


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2510	20850	20	100	0	19.190	Fig.4	19.363	Fig.8

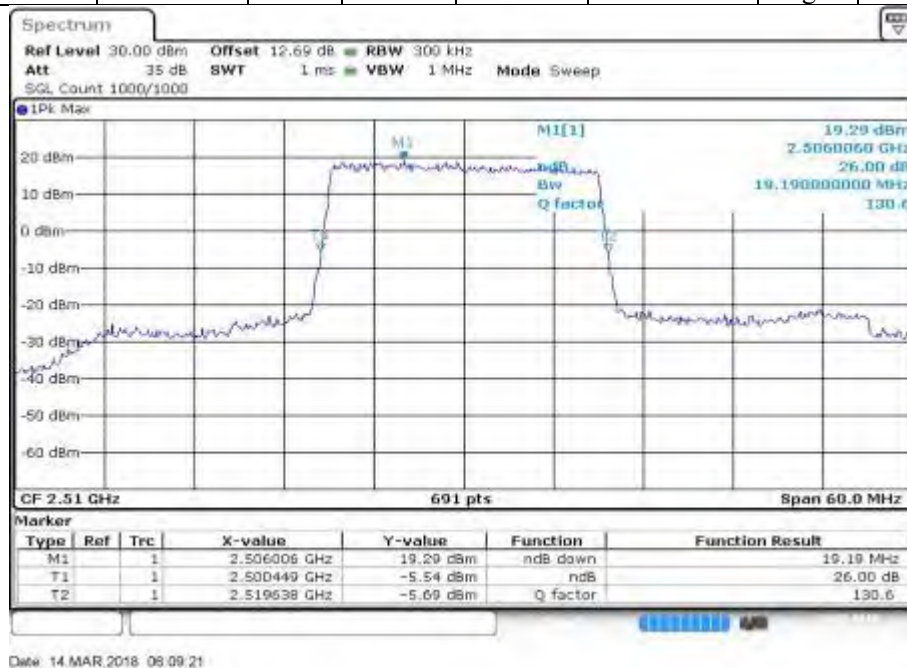


Fig.4

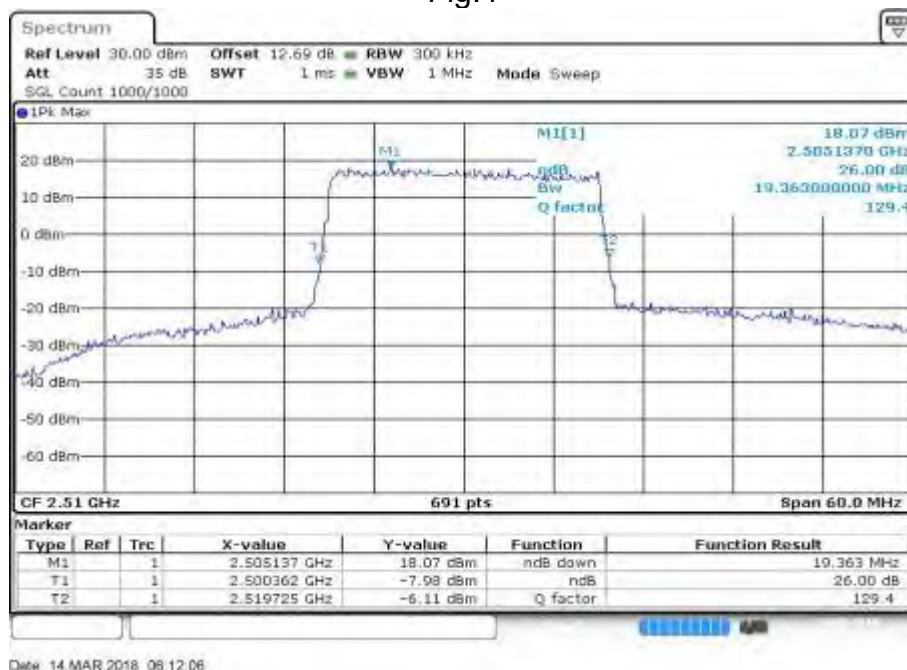


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2535	21100	20	100	0	19.190	Fig.4	19.276	Fig.8

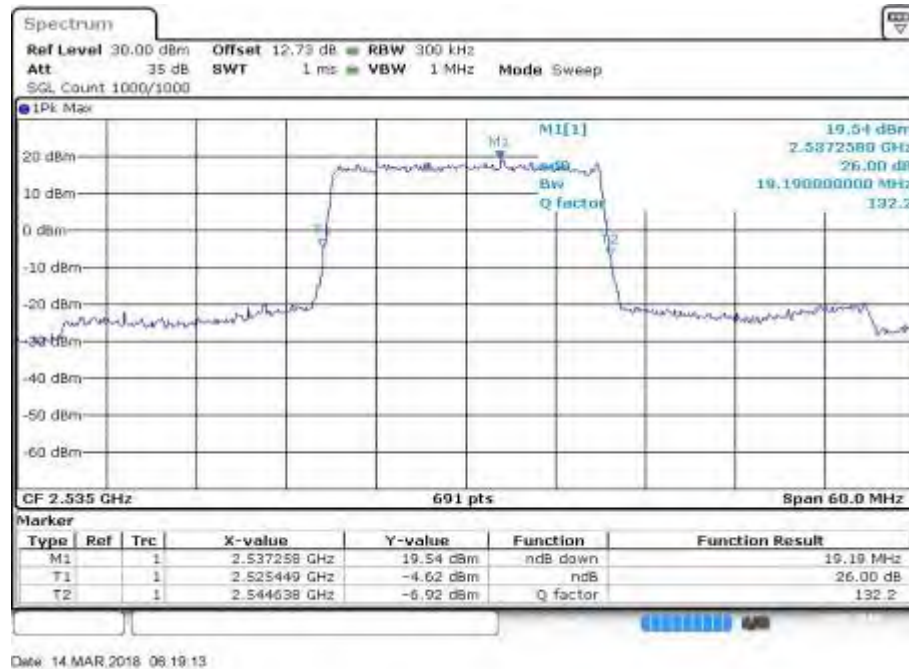


Fig.4

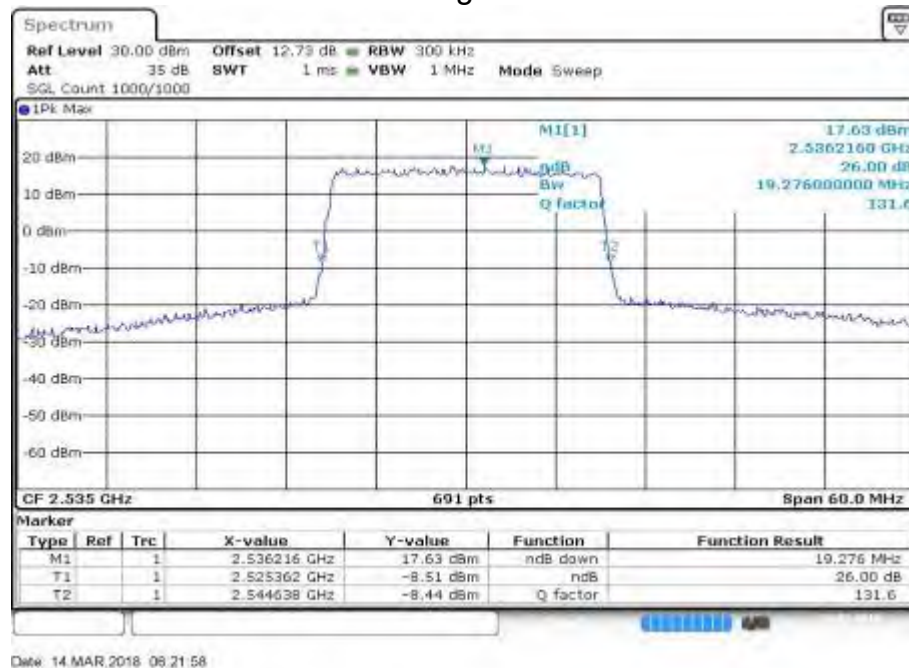


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2560	21350	20	100	0	19.363	Fig.4	19.276	Fig.8

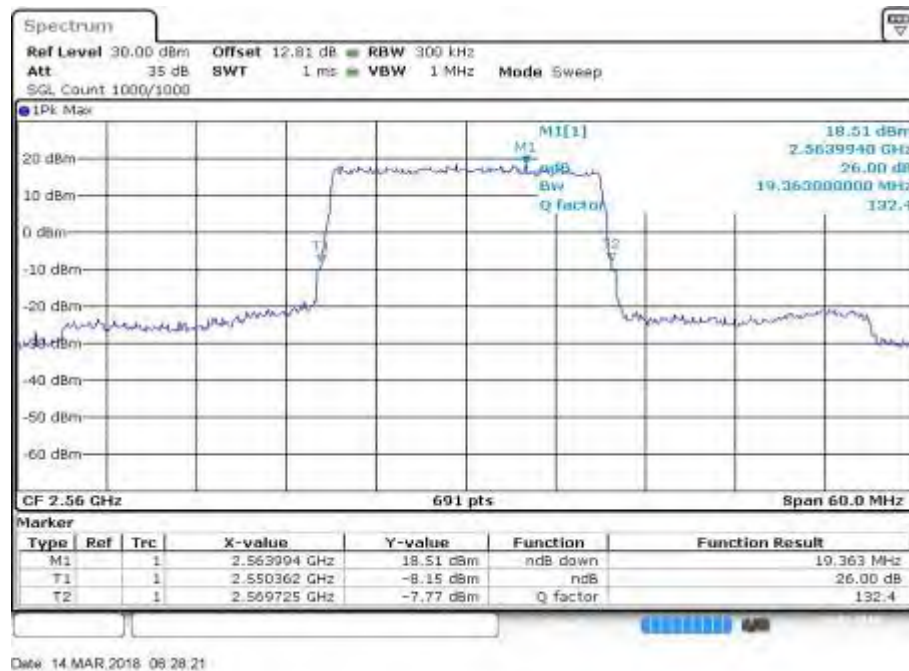


Fig.4

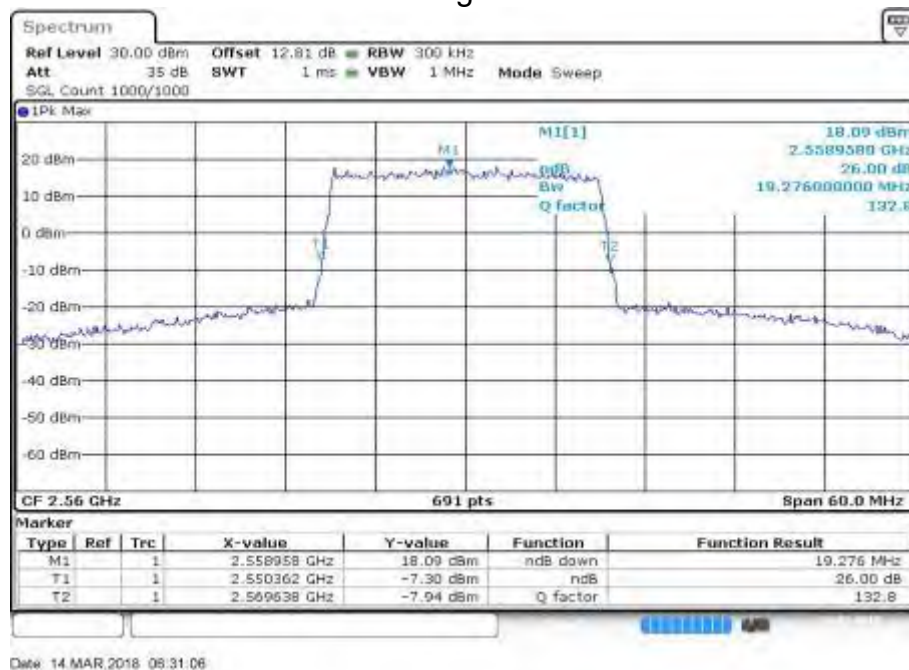
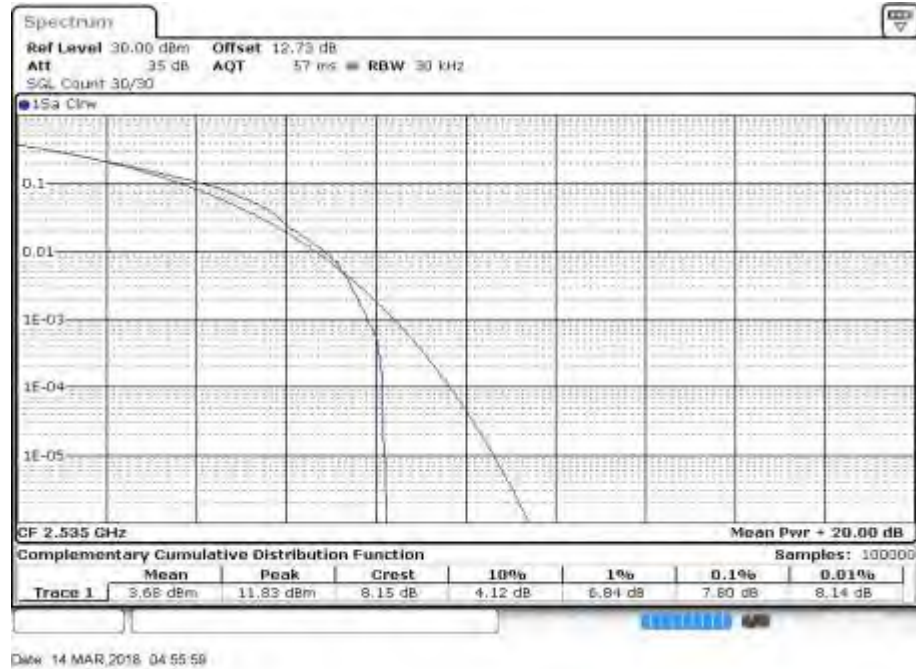


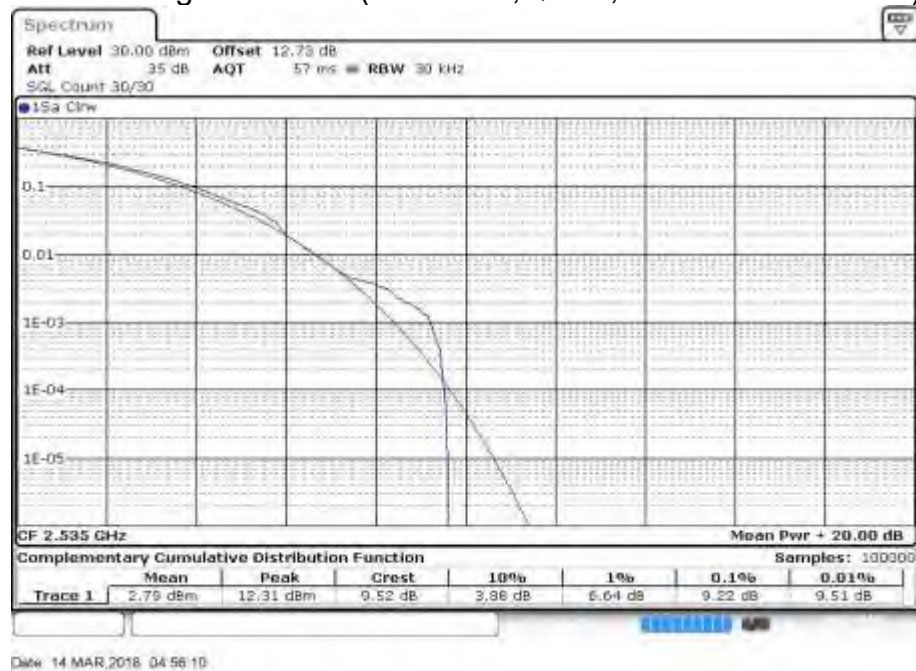
Fig.8

4 Peak-Average Ratio

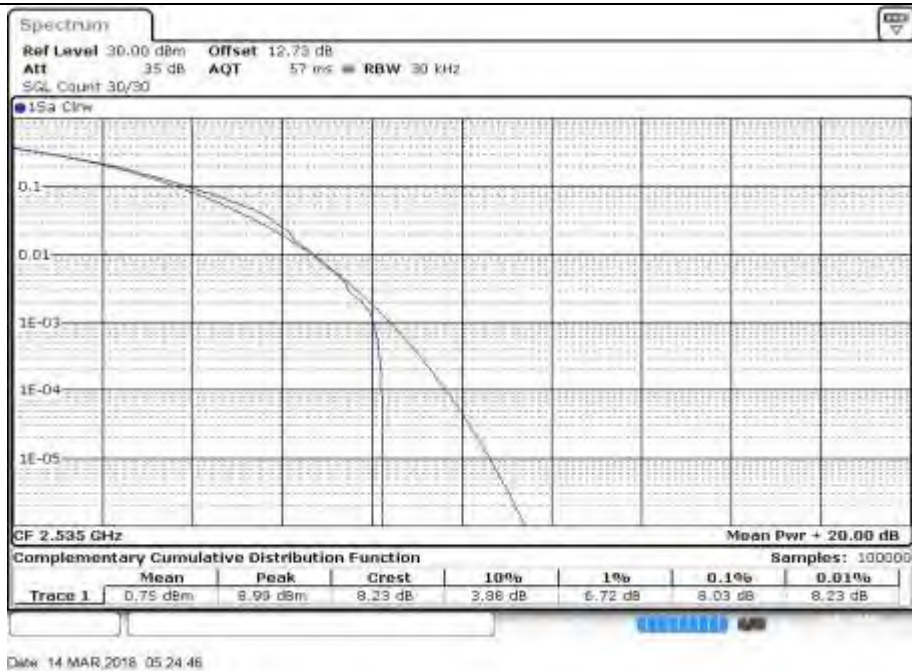
Test result:



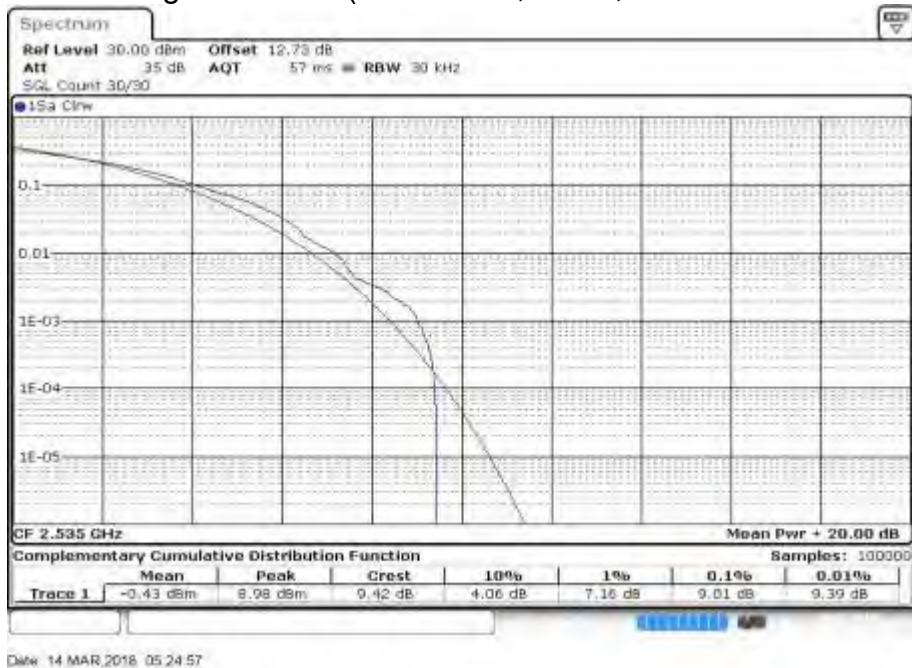
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 7-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 7-mid Channel)



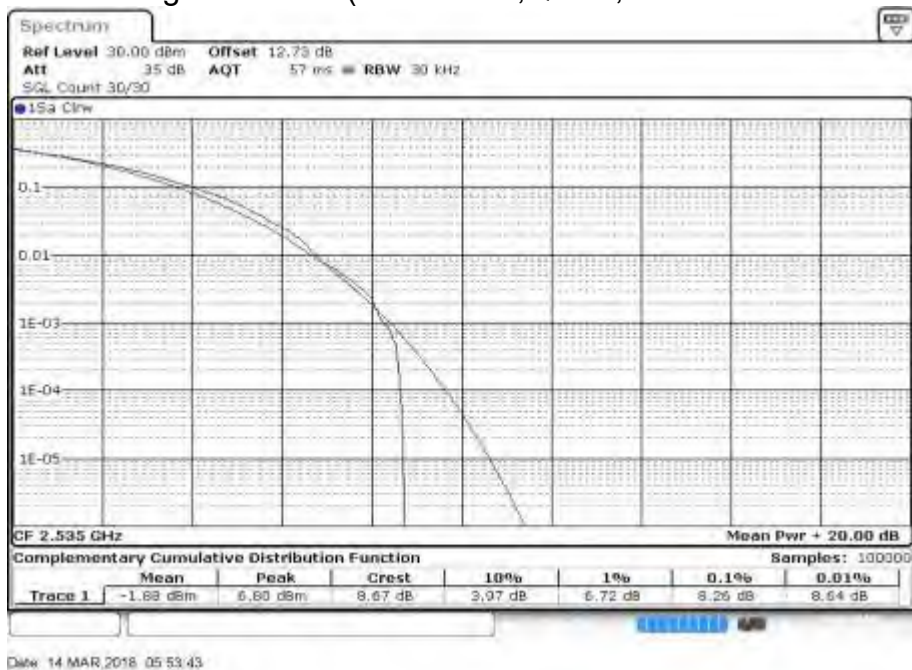
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 7-mid Channel)



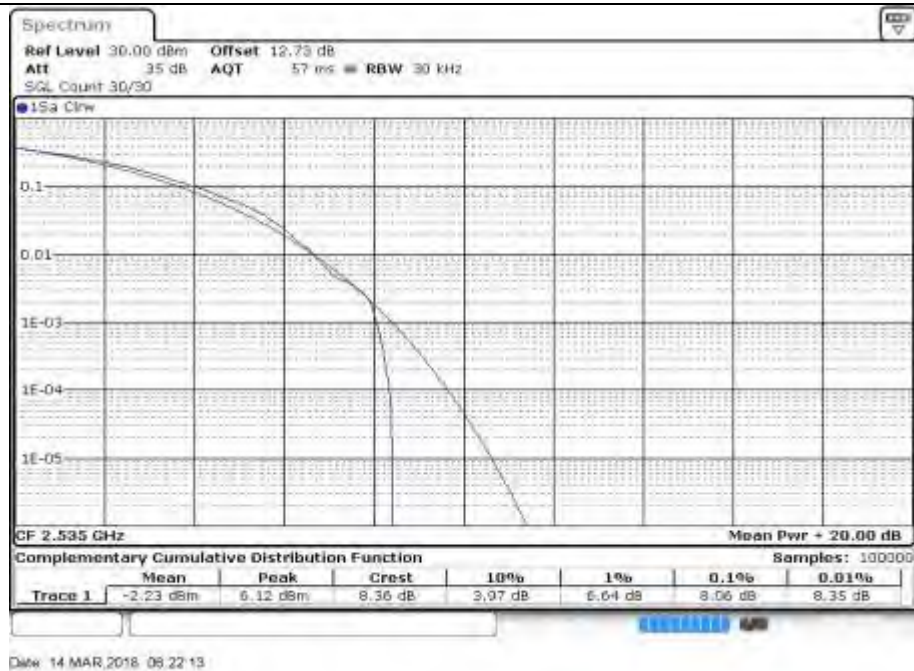
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 7-mid Channel)



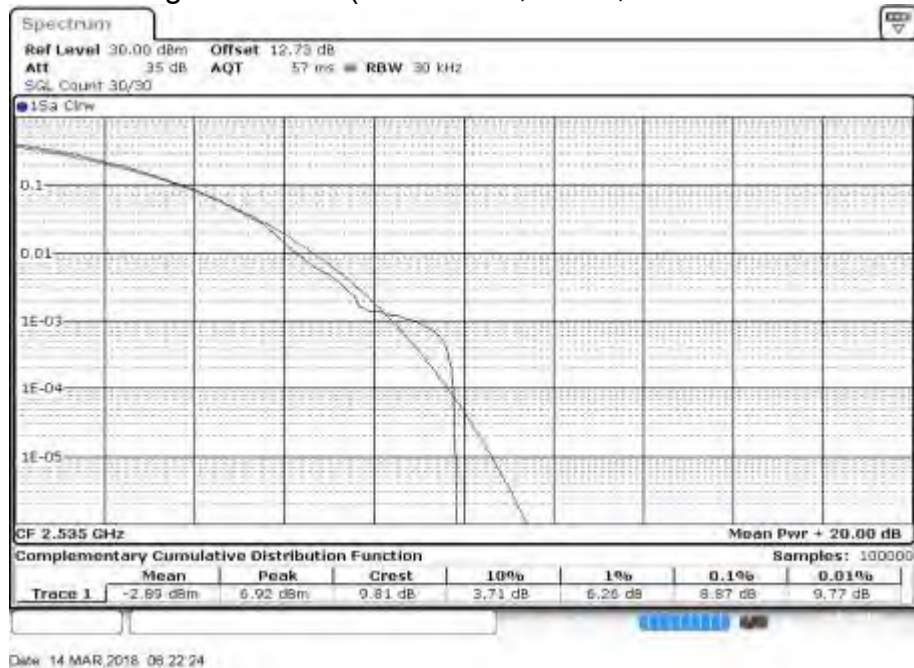
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 7-mid Channel)



Peak-Average Ratio Plot(15MHz BW,16QAM,Band 7-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 7-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 7-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
7	2510	20850	20	100	0	Fig.4	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
7	2535	21100	20	100	0	Fig.4	Fig.8

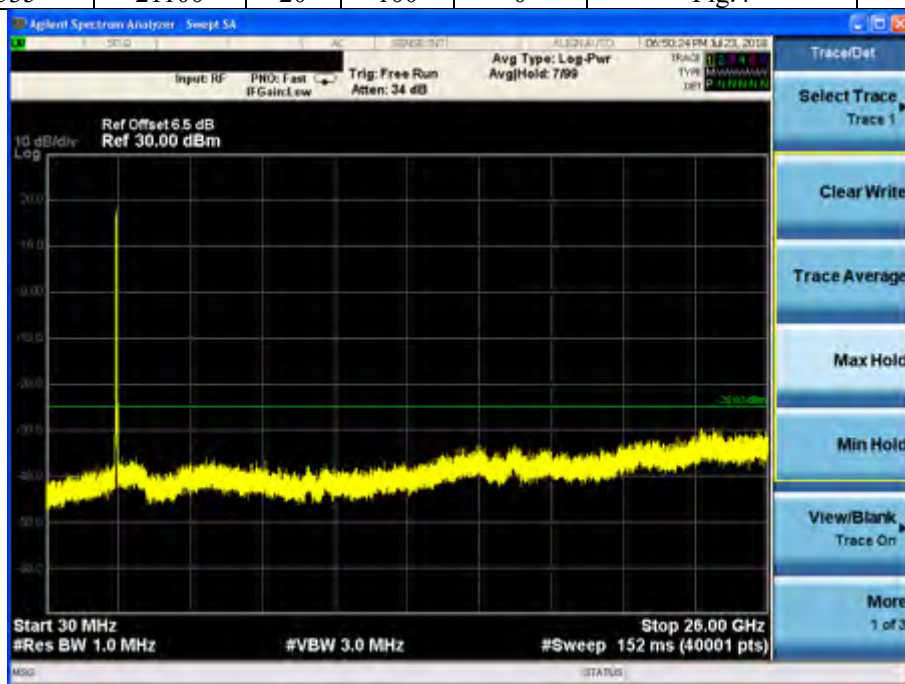


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
7	2560	21350	20	100	0	Fig.4	Fig.8



Fig.4



Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2502.5	20775	5	1	0	Fig.1
				25	0	Fig.4

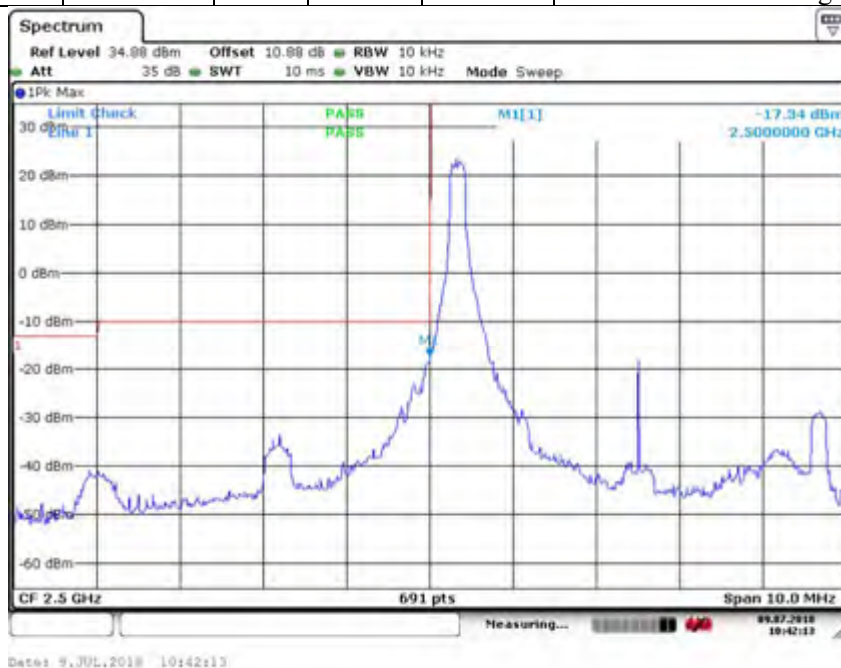


Fig.1

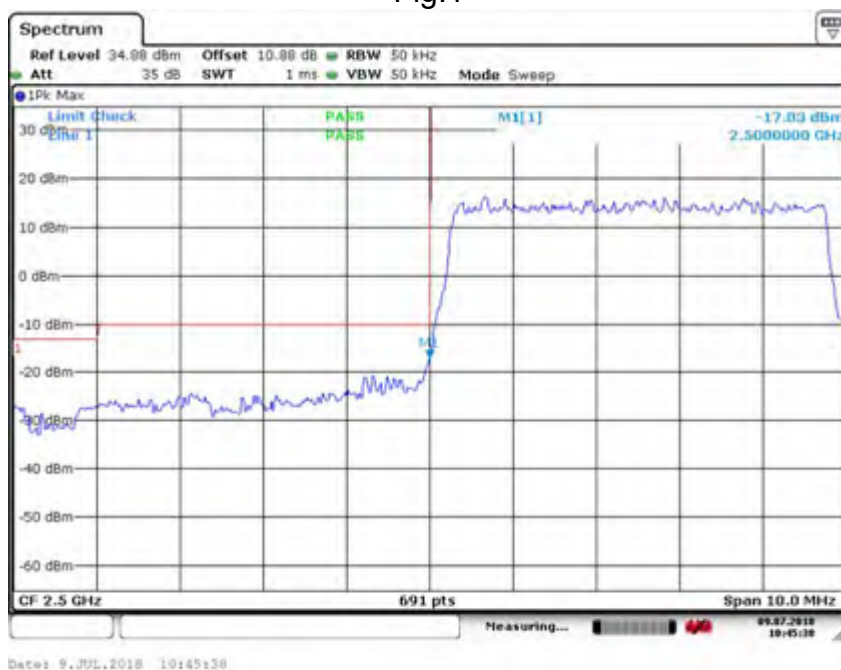


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2567.5	21425	5	1	0	Fig.1
				25	0	Fig.4

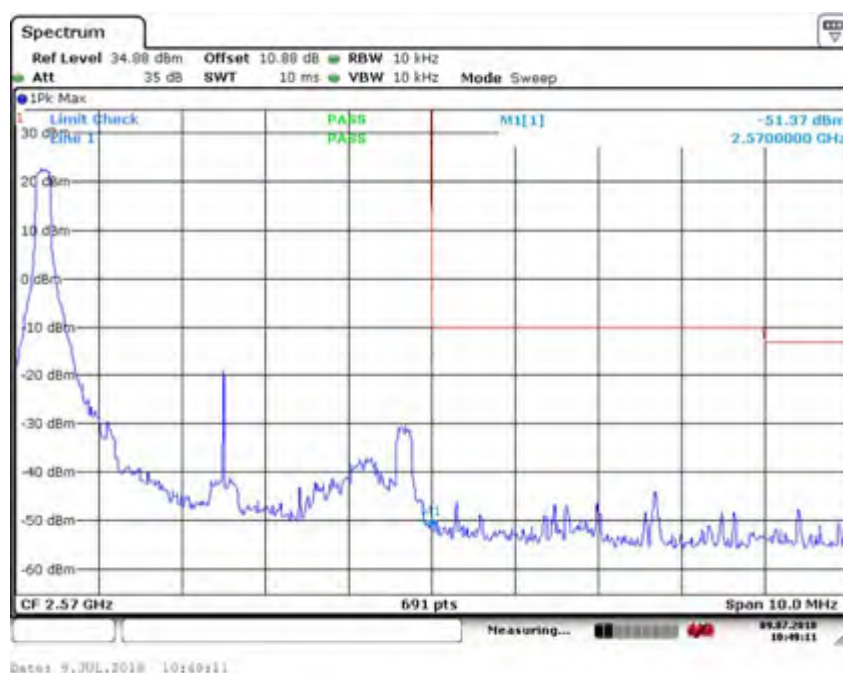


Fig.1

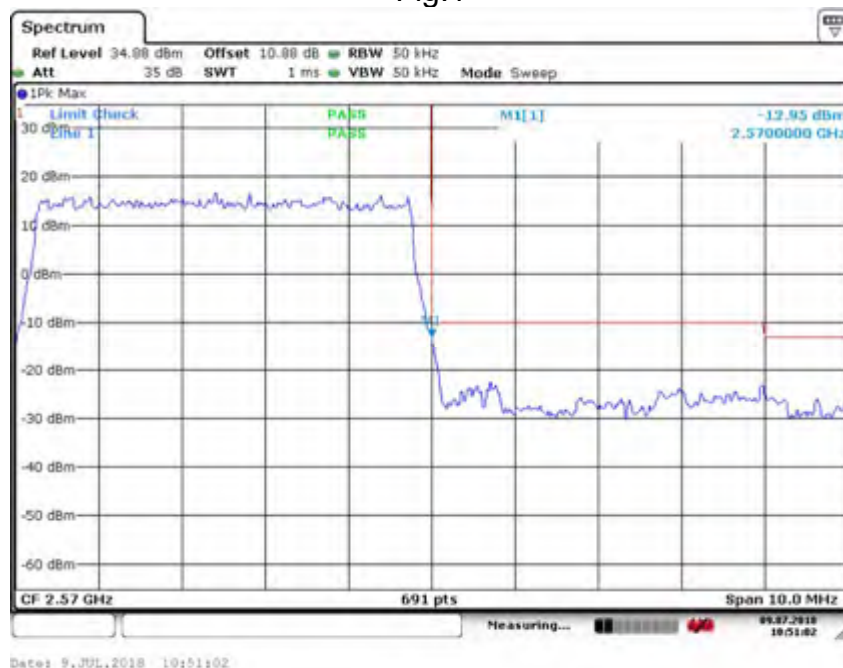


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2505	20800	10	1	0	Fig.1
				50	0	Fig.4

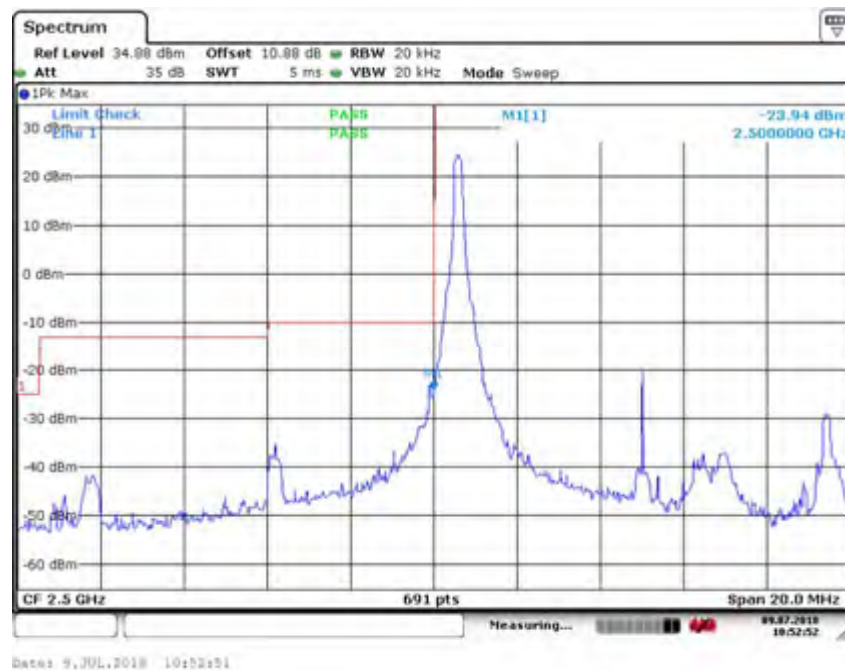


Fig.1

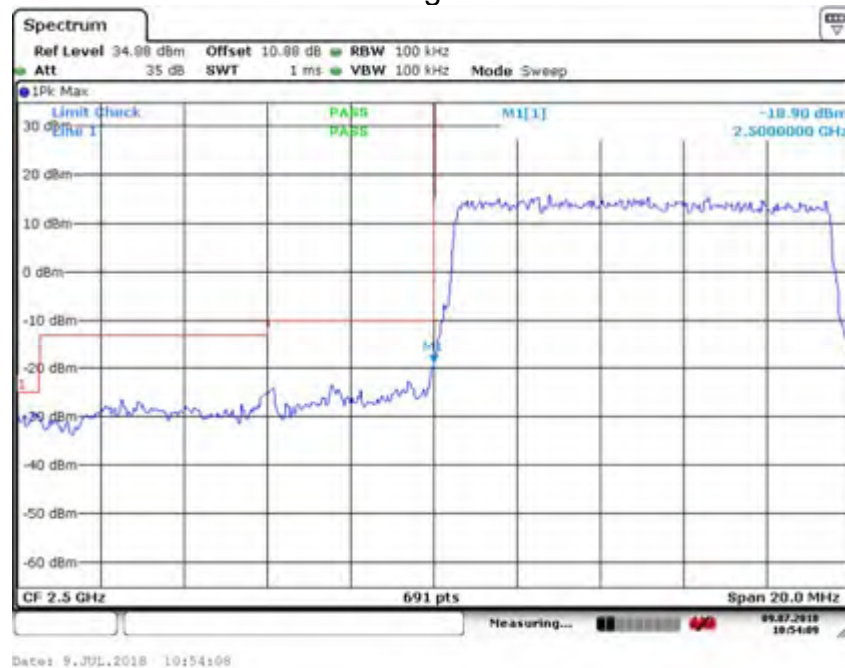


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2565	21400	10	1	0	Fig.1
				50	0	Fig.4

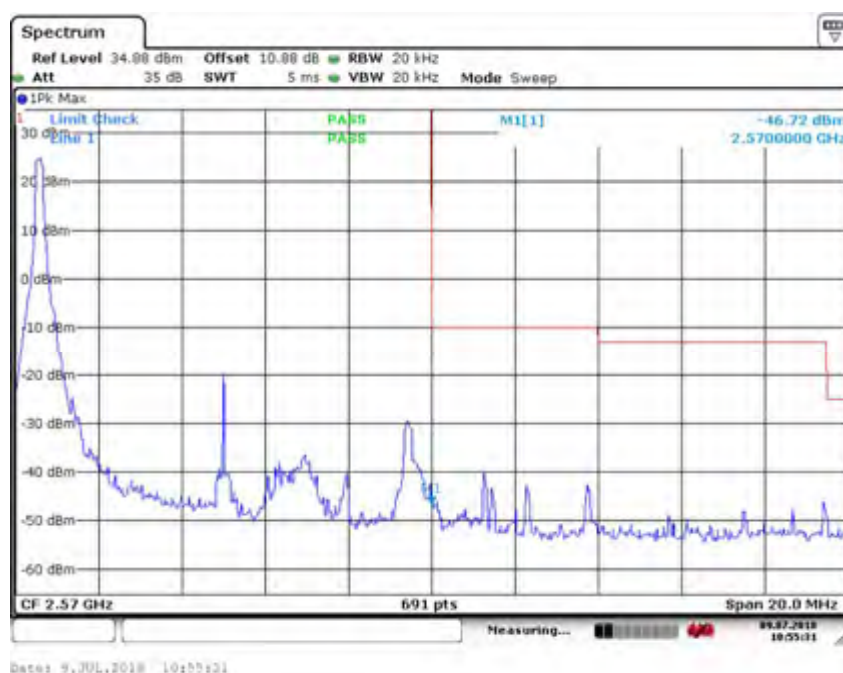


Fig.1

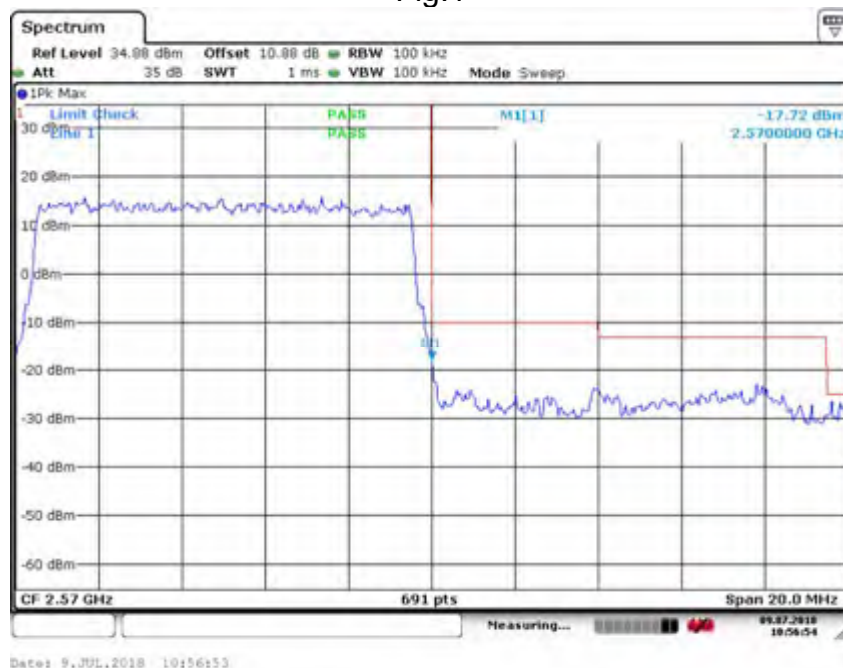


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2507.5	20825	15	1	0	Fig.1
				75	0	Fig.4

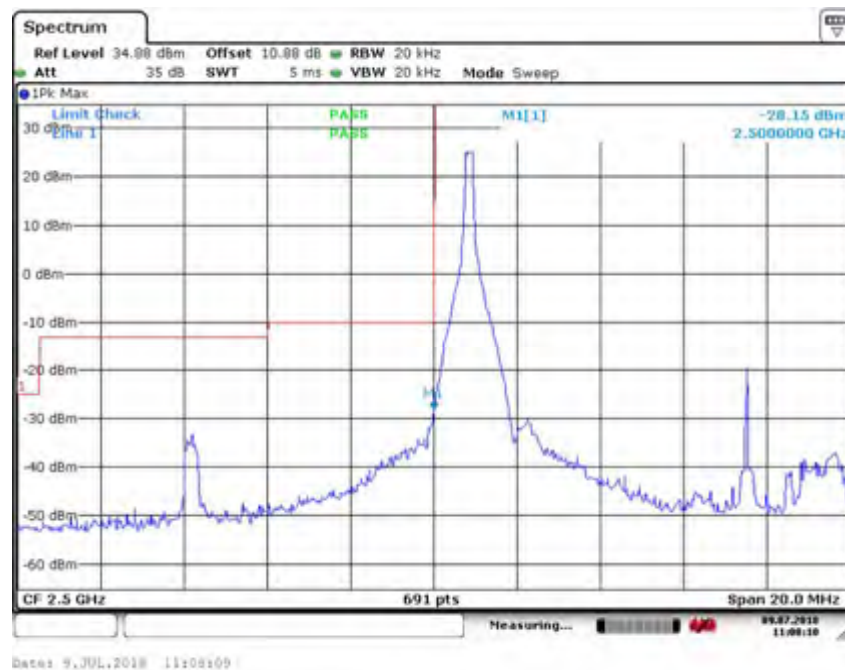


Fig.1

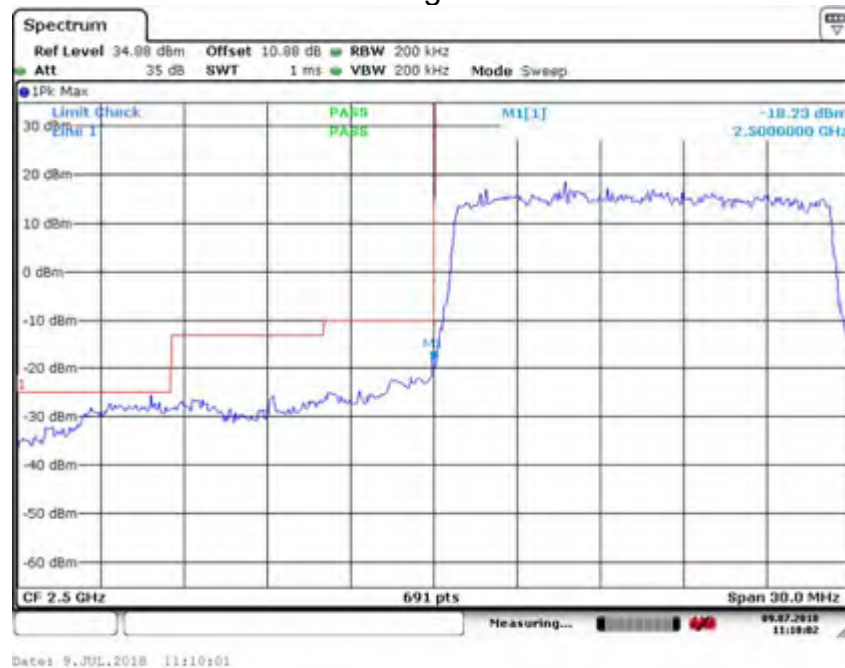


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2562.5	21375	15	1	0	Fig.1
				75	0	Fig.4

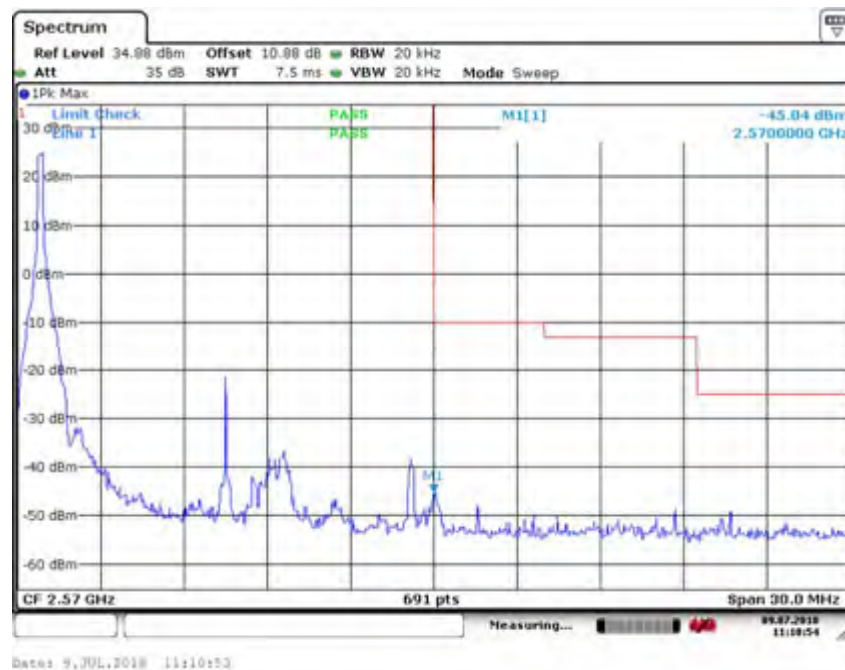


Fig.1

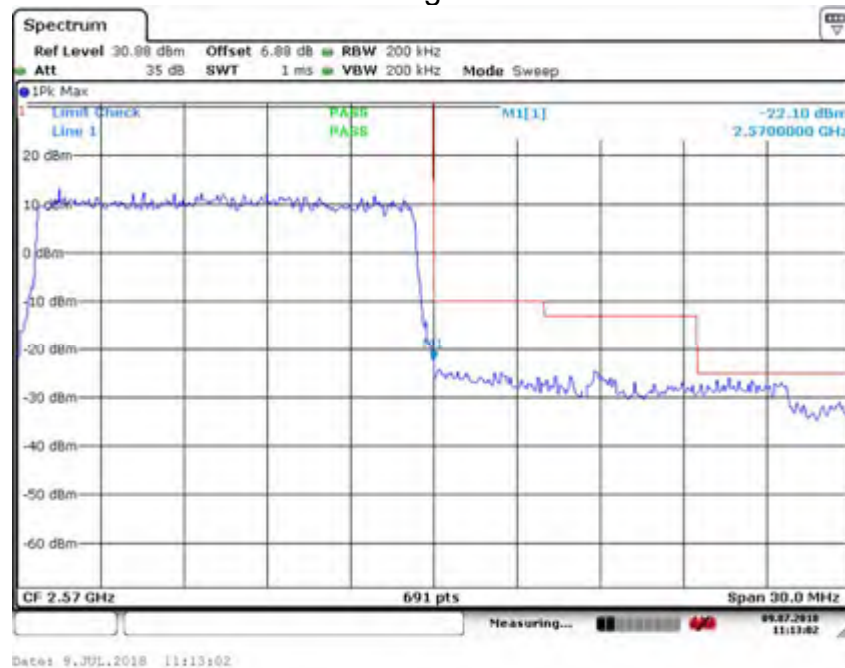


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2510	20850	20	1	0	Fig.1
				100	0	Fig.4

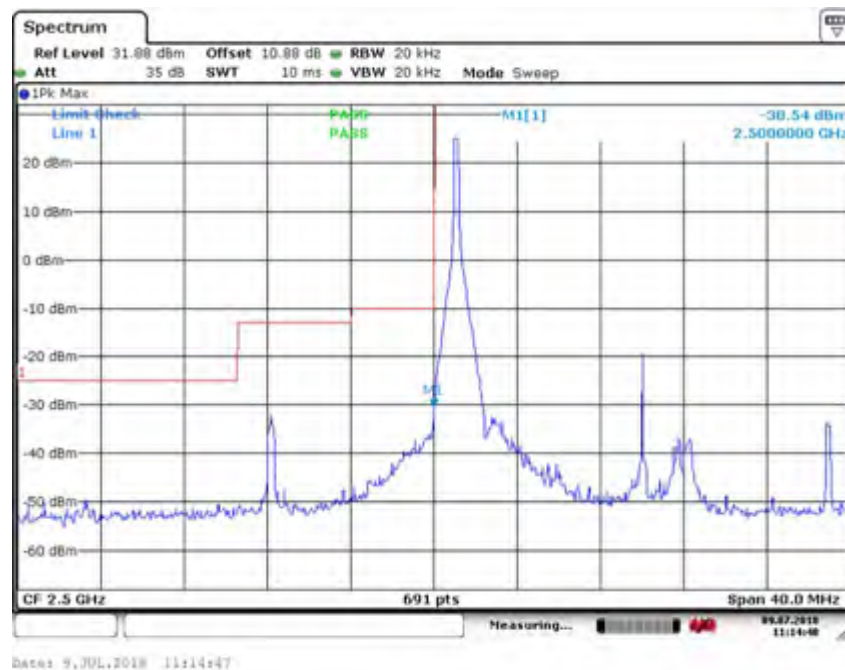


Fig.1

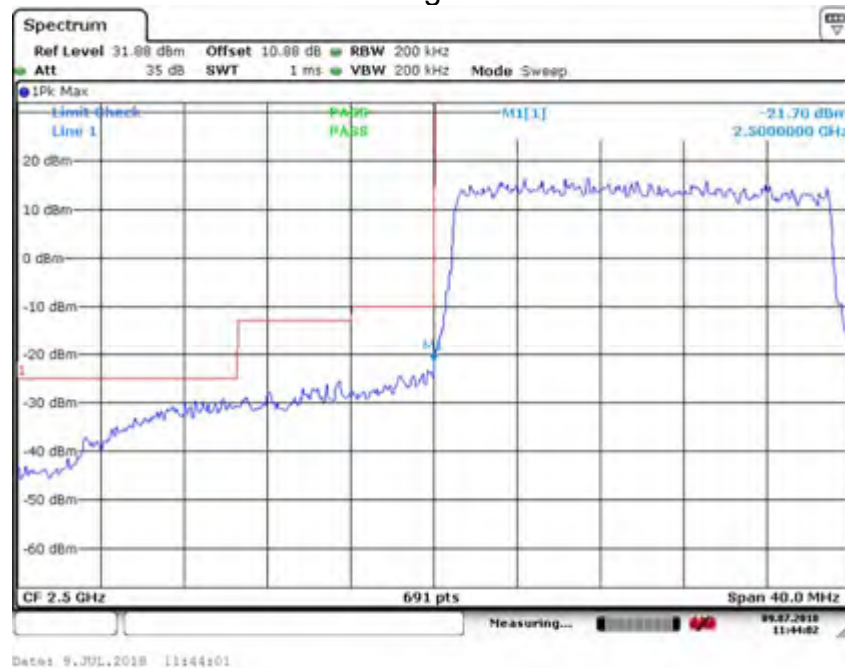


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
7	2560	21350	20	1	0	Fig.1
				100	0	Fig.4

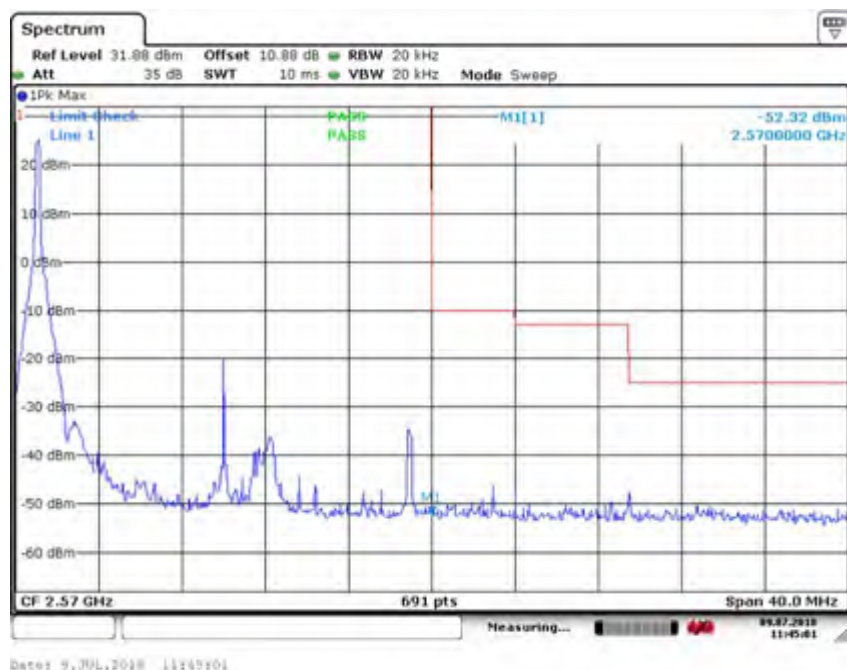


Fig.1

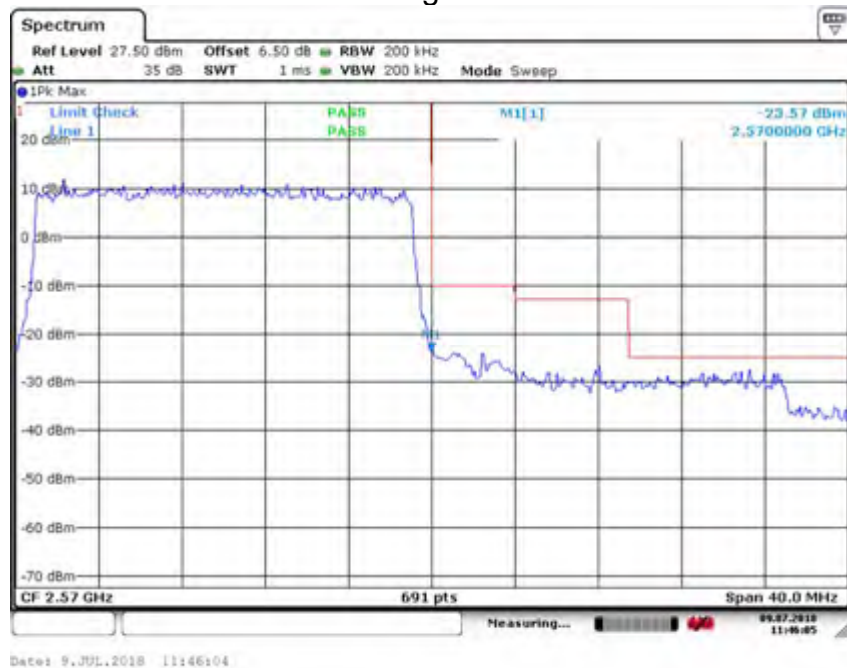


Fig.4

7 Frequency Stability

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
7	5	-30	0.003	LV	0.002
		-20	0.000		
		-10	-0.001		
		0	0.005		
		10	-0.001		
		20	0.005	HV	0.002
		30	-0.002		
		40	0.000		
		50	0.002		
		50	0.002		
	10	-30	-0.001	LV	0.003
		-20	-0.001		
		-10	0.000		
		0	-0.002		
		10	0.001		
		20	0.000	HV	-0.001
		30	0.000		
		40	-0.001		
		50	0.001		
		50	0.001		
	15	-30	0.000	LV	-0.004
		-20	0.001		
		-10	-0.002		
		0	0.003		
		10	-0.003		
		20	0.002	HV	0.001
		30	-0.003		
		40	-0.003		
		50	-0.004		
		50	-0.004		
	20	-30	-0.003	LV	0.002
		-20	0.002		
		-10	-0.002		
		0	0.002		
		10	-0.003		



No.: SRTC2018-9004(F)-18030601(C)
FCC ID: 2AOYWH1A1000

		20	-0.003	HV	0.003
		30	0.003		
		40	0.002		
		50	0.004		

LTE Band 12

1 RF Power Output

Test result:

Antenna Gain: -2.25dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	699.7	23017	1.4	1	0	22.0	19.8
				1	5	21.7	19.5
				3	2	21.8	19.6
				6	0	20.8	18.6
	707.5	23095		1	0	21.7	19.5
				1	5	21.6	19.4
				3	2	21.7	19.5
				6	0	20.7	18.5
	715.3	23173		1	0	21.6	19.4
				1	5	21.6	19.4
				3	2	21.7	19.5
				6	0	20.7	18.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	699.7	23017	1.4	1	0	20.9	18.7
				1	5	20.8	18.6
				3	2	20.8	18.6
				6	0	19.8	17.6
	707.5	23095		1	0	20.8	18.6
				1	5	20.8	18.6
				3	2	20.7	18.5
				6	0	19.8	17.6
	715.3	23173		1	0	20.8	18.6
				1	5	20.8	18.6
				3	2	20.7	18.5
				6	0	19.6	17.4

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	700.5	23025	3	1	0	21.9	19.7
				1	14	21.8	19.6
				8	4	20.9	18.7
				15	0	20.9	18.7
	707.5	23095		1	0	21.8	19.6
				1	14	21.9	19.7
				8	4	20.8	18.6
				15	0	20.8	18.6
	714.5	23165		1	0	21.8	19.6
				1	14	21.8	19.6
				8	4	20.8	18.6
				15	0	20.8	18.6

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	700.5	23025	3	1	0	21.5	19.3
				1	14	21.4	19.2
				8	4	20.1	17.9
				15	0	20.0	17.8
	707.5	23095		1	0	20.9	18.7
				1	14	20.9	18.7
				8	4	19.8	17.6
				15	0	19.8	17.6
	714.5	23165		1	0	21.0	18.8
				1	14	20.8	18.6
				8	4	19.8	17.6
				15	0	19.8	17.6



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	701.5	23035	5	1	0	22.0	19.8
				1	24	21.8	19.6
				12	6	20.9	18.7
				25	0	20.9	18.7
	707.5	23095		1	0	21.9	19.7
				1	24	21.8	19.6
				12	6	20.9	18.7
				25	0	20.9	18.7
	713.5	23155		1	0	21.8	19.6
				1	24	21.7	19.5
				12	6	20.8	18.6
				25	0	20.9	18.7

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	701.5	23035	5	1	0	20.9	18.7
				1	24	20.8	18.6
				12	6	19.9	17.7
				25	0	20.0	17.8
	707.5	23095		1	0	21.1	18.9
				1	24	21.1	18.9
				12	6	20.0	17.8
				25	0	19.8	17.6
	713.5	23155		1	0	20.9	18.7
				1	24	20.9	18.7
				12	6	19.8	17.6
				25	0	19.9	17.7



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	704	23060	10	1	0	21.9	19.7
				1	49	21.7	19.5
				24	12	20.8	18.6
				50	0	20.9	18.7
	707.5	23095		1	0	21.9	19.7
				1	49	21.9	19.7
				24	12	20.9	18.7
				50	0	20.9	18.7
	711	23130		1	0	21.8	19.6
				1	49	21.7	19.5
				24	12	20.9	18.7
				50	0	20.9	18.7

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	704	23060	10	1	0	21.5	19.3
				1	49	21.3	19.1
				24	12	19.9	17.7
				50	0	19.9	17.7
	707.5	23095		1	0	21.1	18.9
				1	49	21.0	18.8
				24	12	20.0	17.8
				50	0	19.9	17.7
	711	23130		1	0	21.0	18.8
				1	49	20.8	18.6
				24	12	19.9	17.7
				50	0	20.0	17.8

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.088	Fig.4	1.100	Fig.8

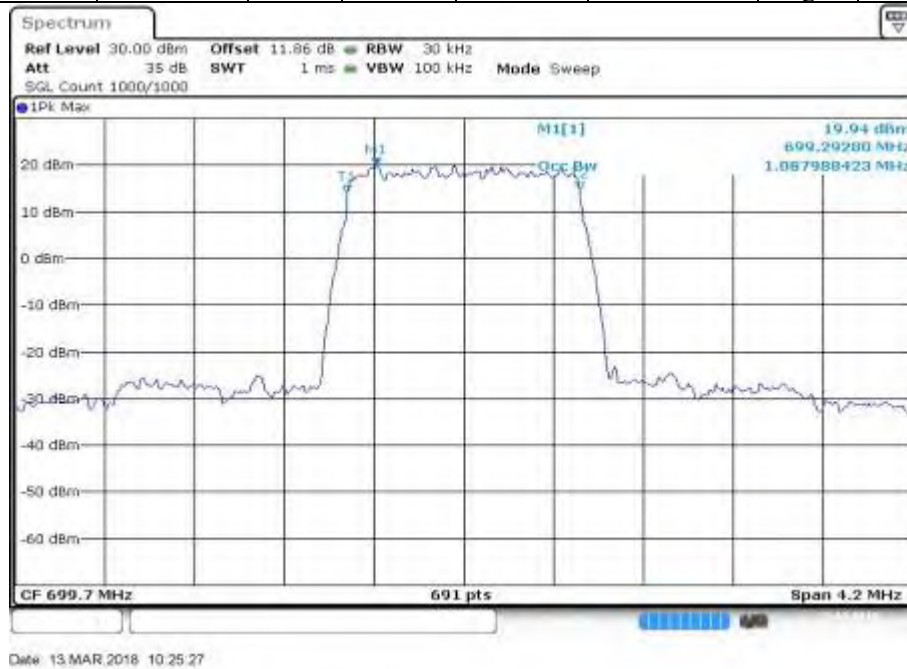


Fig.4

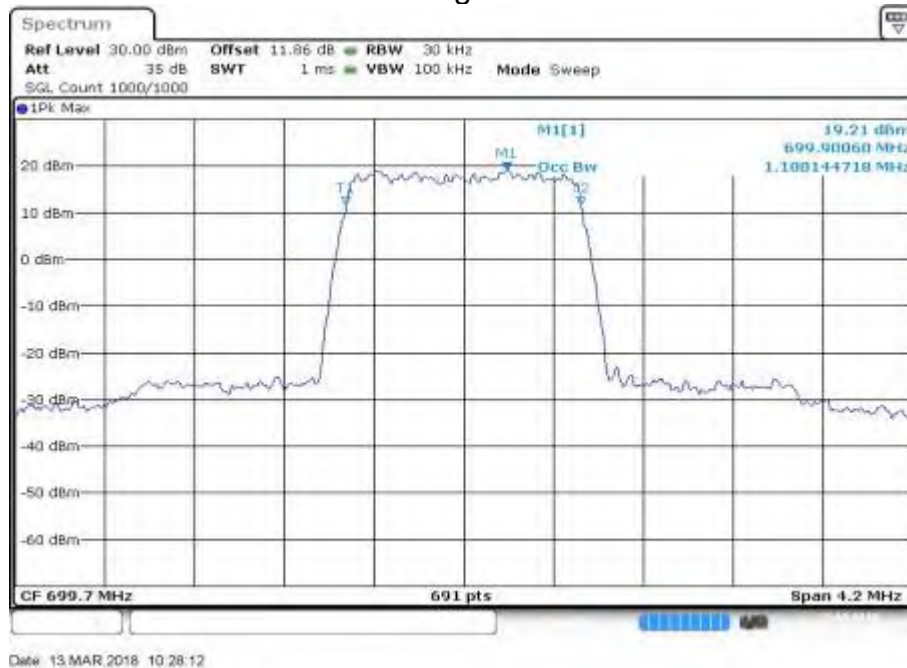


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	1.4	6	0	1.094	Fig.4	1.088	Fig.8

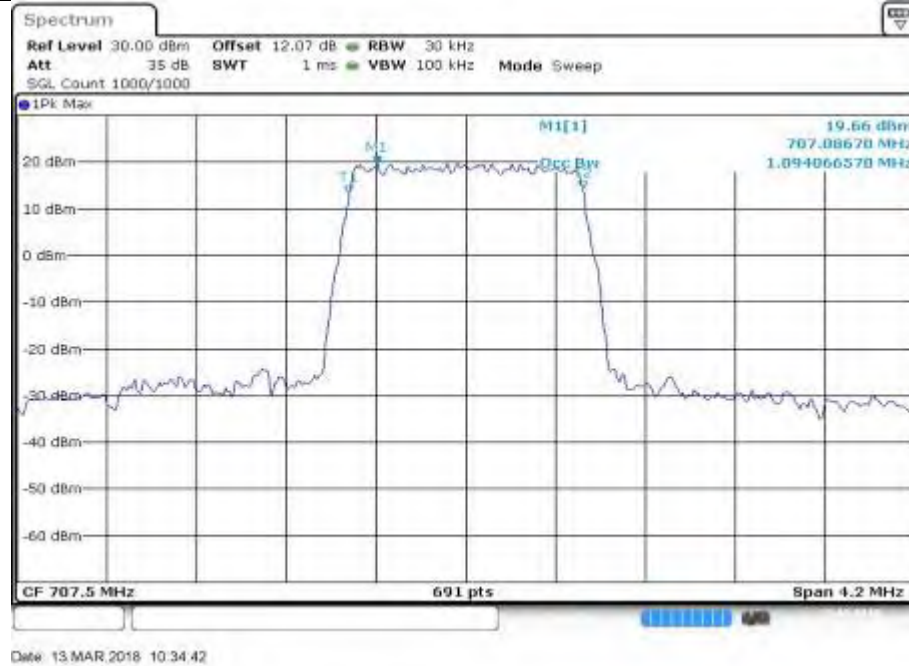


Fig.4

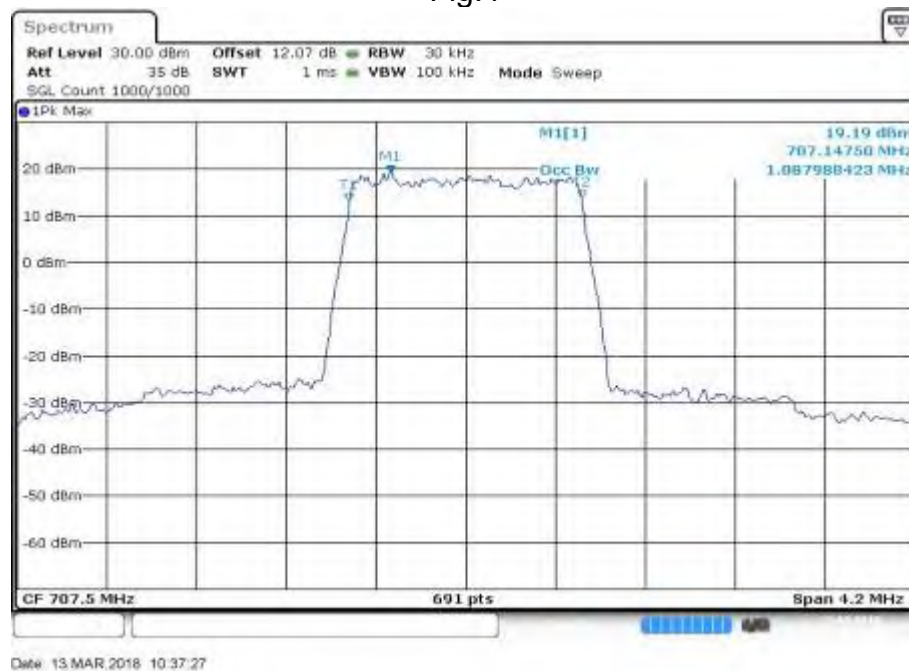


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	715.3	23173	1.4	6	0	1.100	Fig.4	1.094	Fig.8

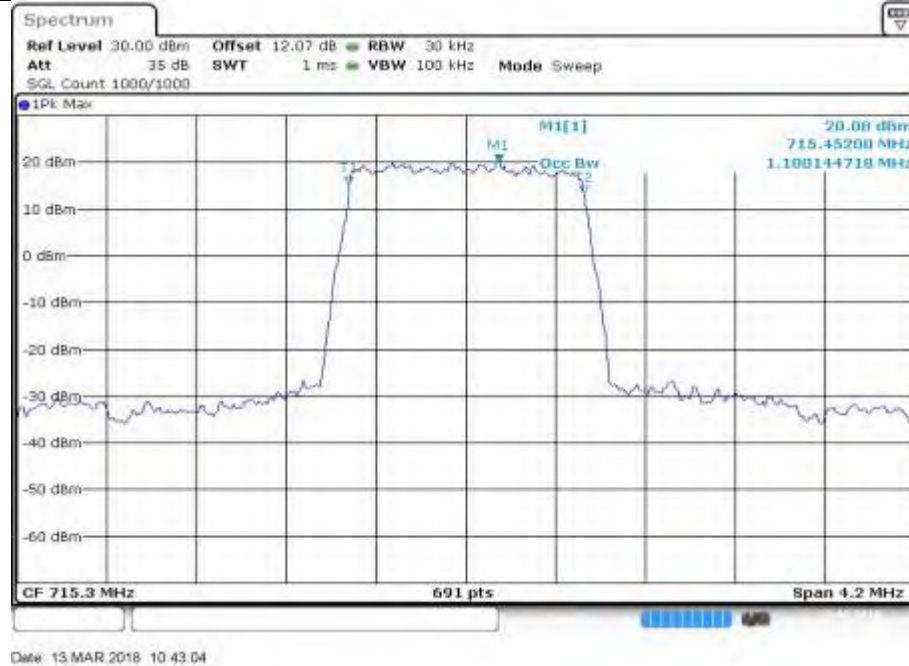


Fig.4

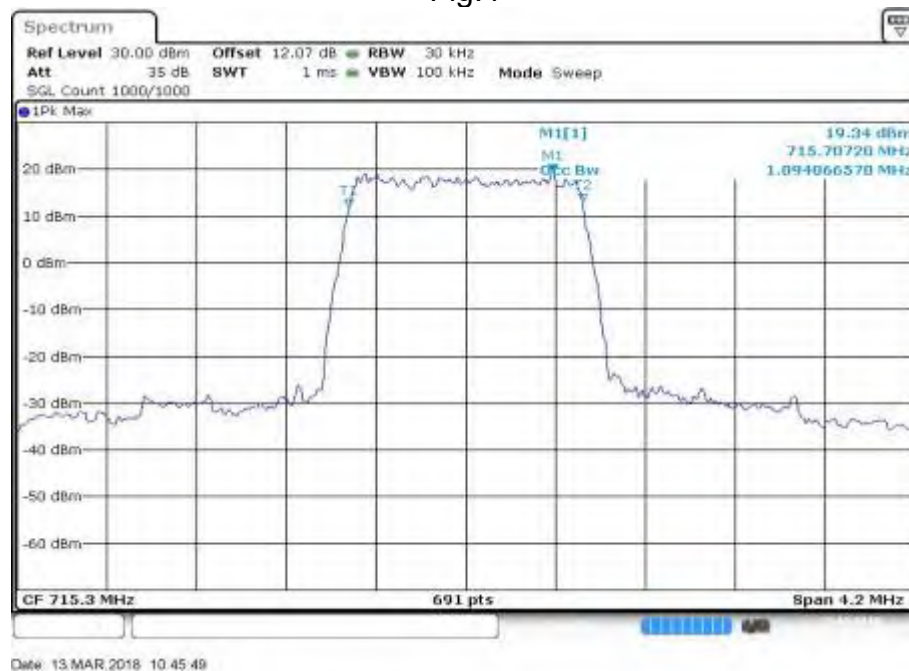


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	700.5	23025	3	15	0	2.735	Fig.4	2.735	Fig.8

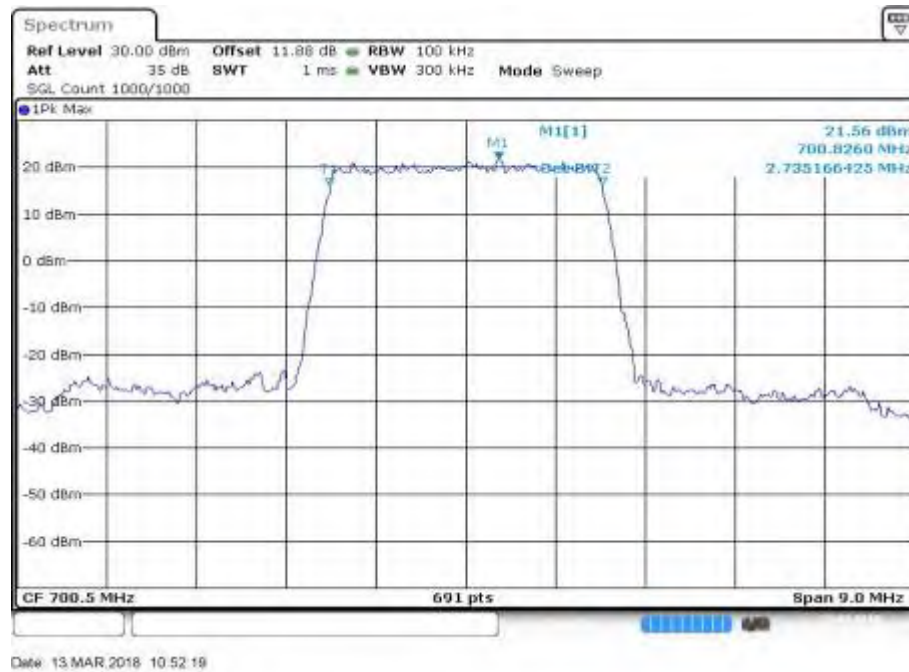


Fig.4

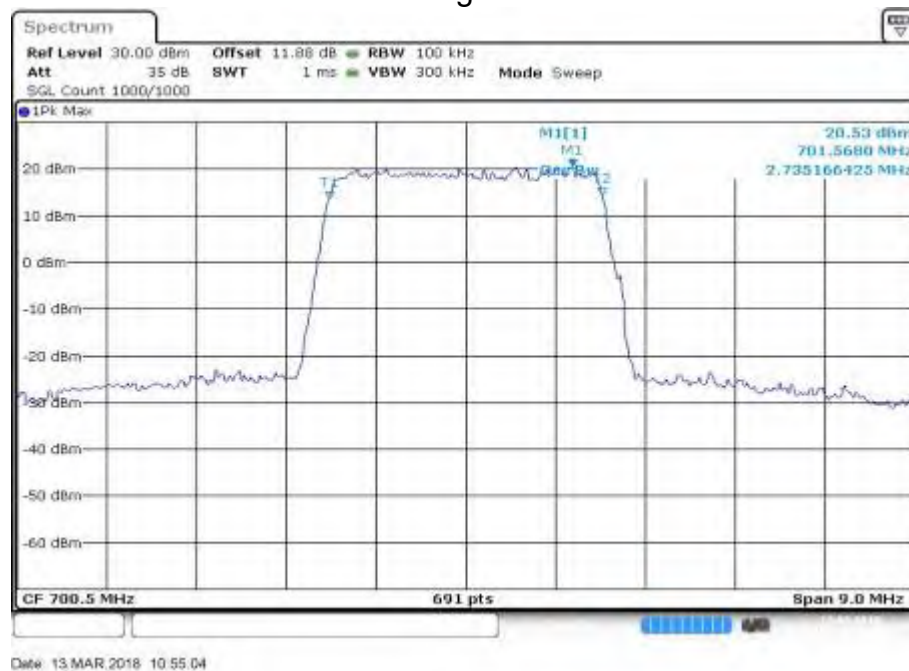


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	3	15	0	2.735	Fig.4	2.735	Fig.8

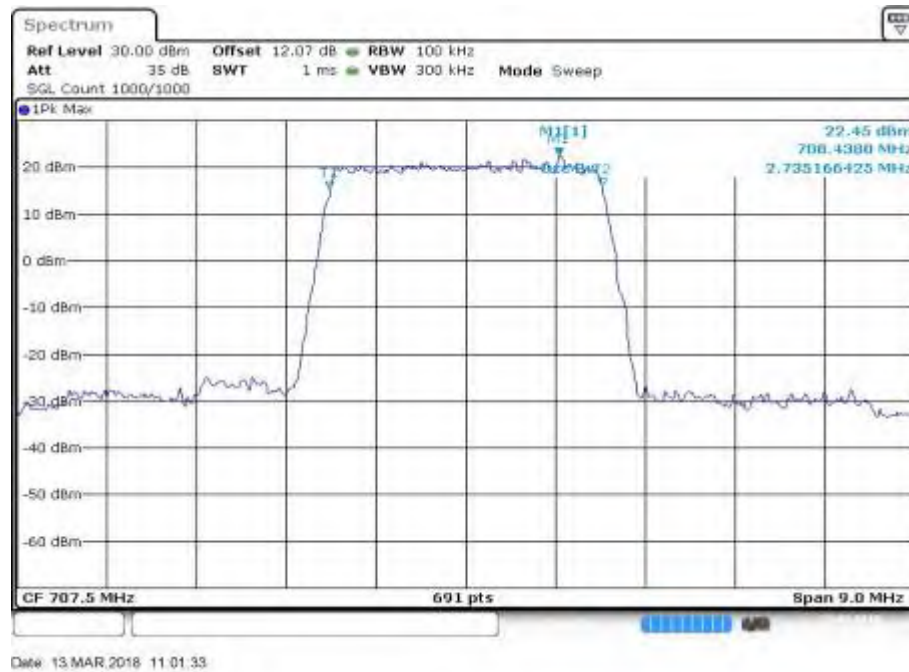


Fig.4

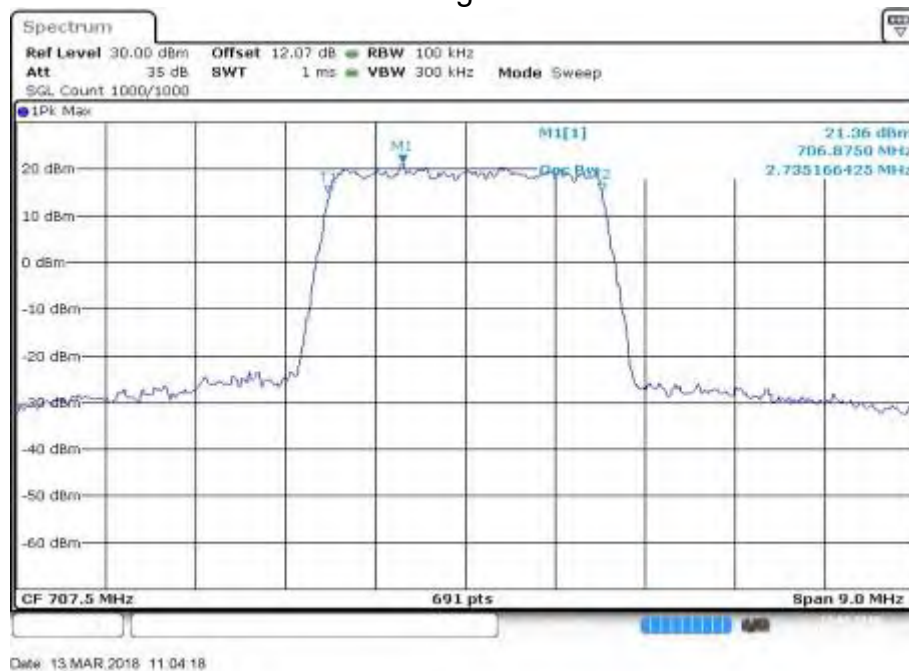


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	714.5	23165	3	15	0	2.735	Fig.4	2.735	Fig.8

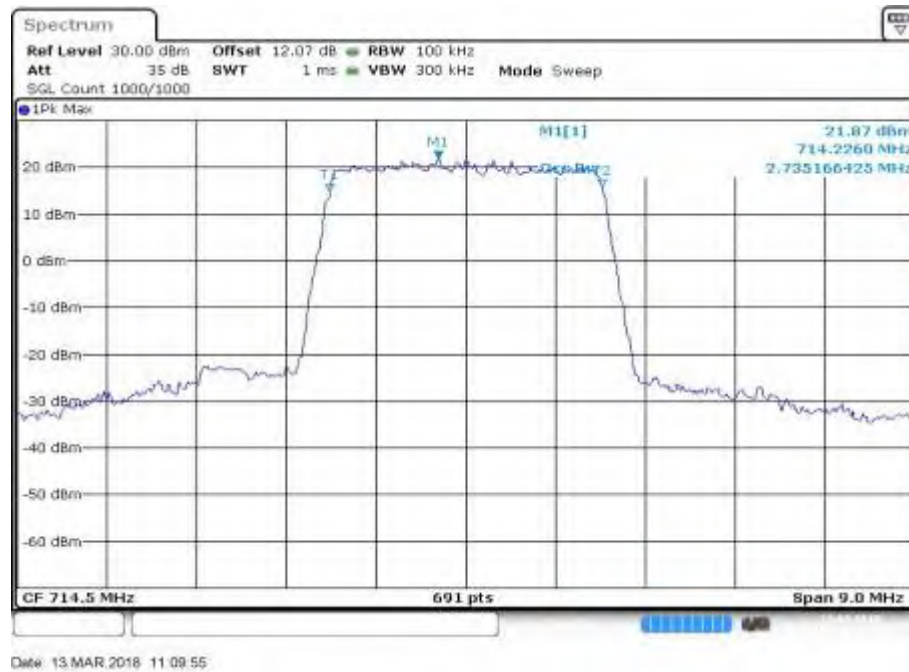


Fig.4

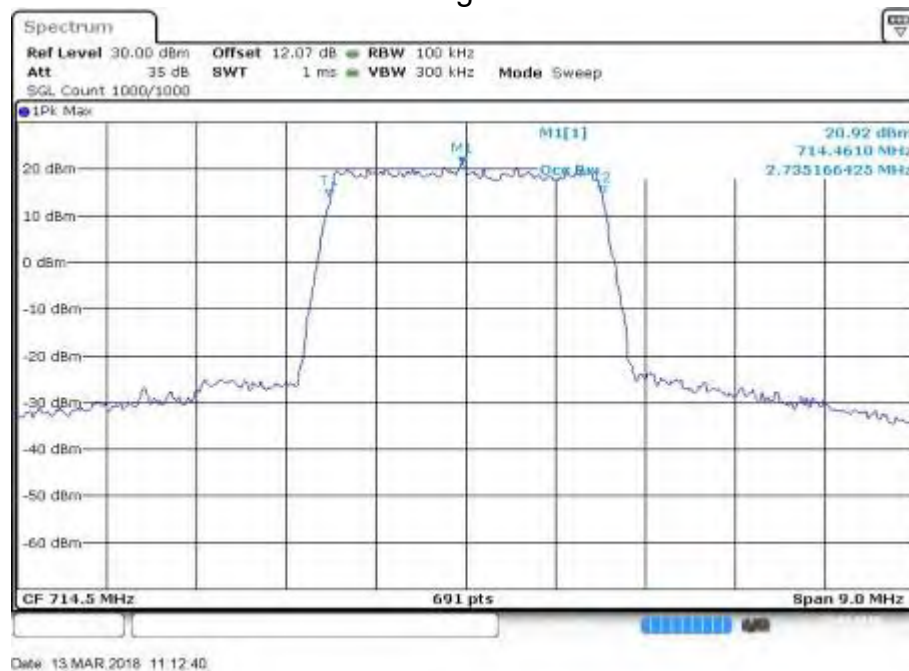


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	701.5	23035	5	25	0	4.515	Fig.4	4.515	Fig.8

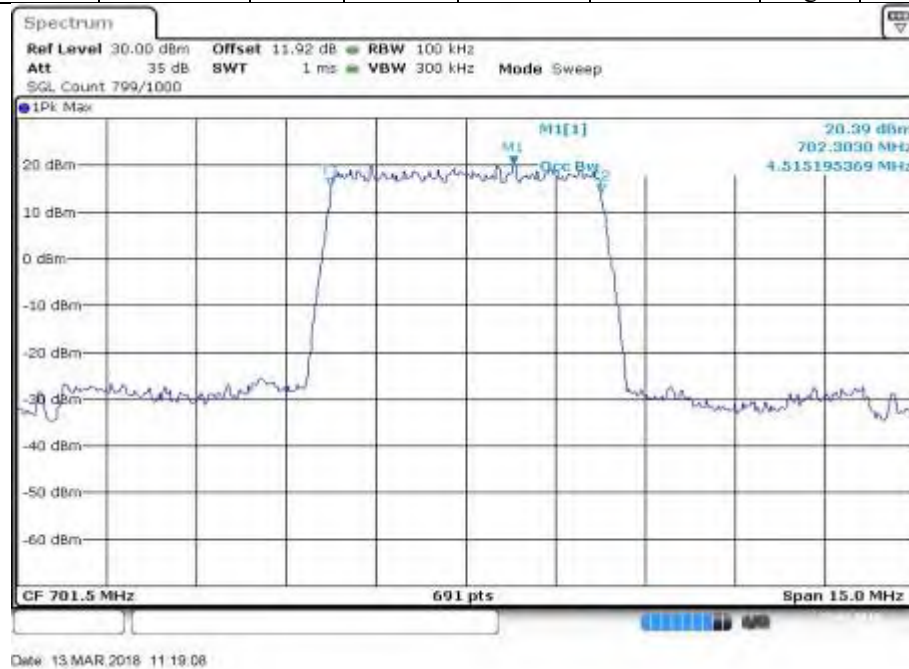


Fig.4

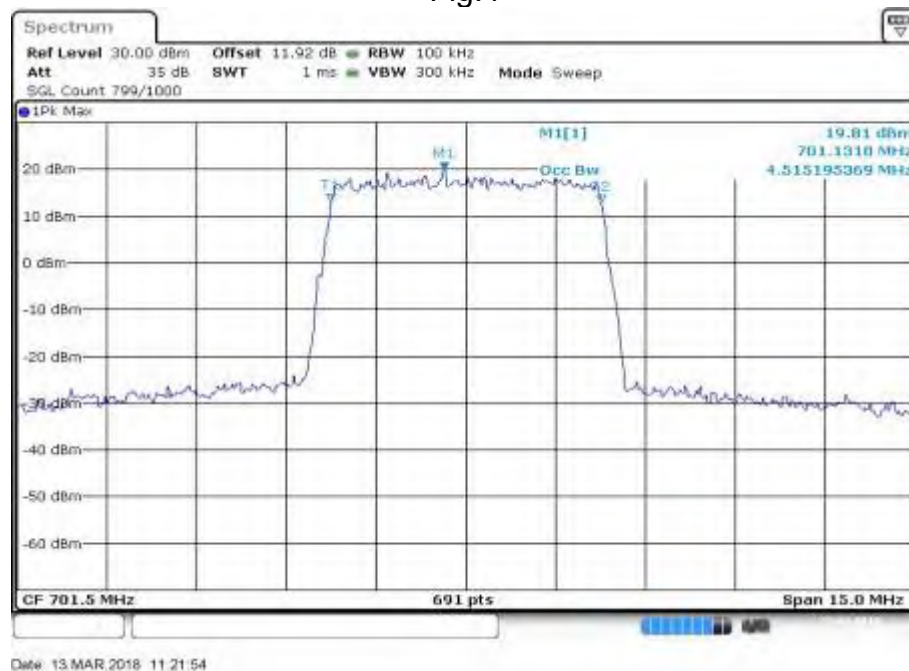


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	5	25	0	4.515	Fig.4	4.515	Fig.8

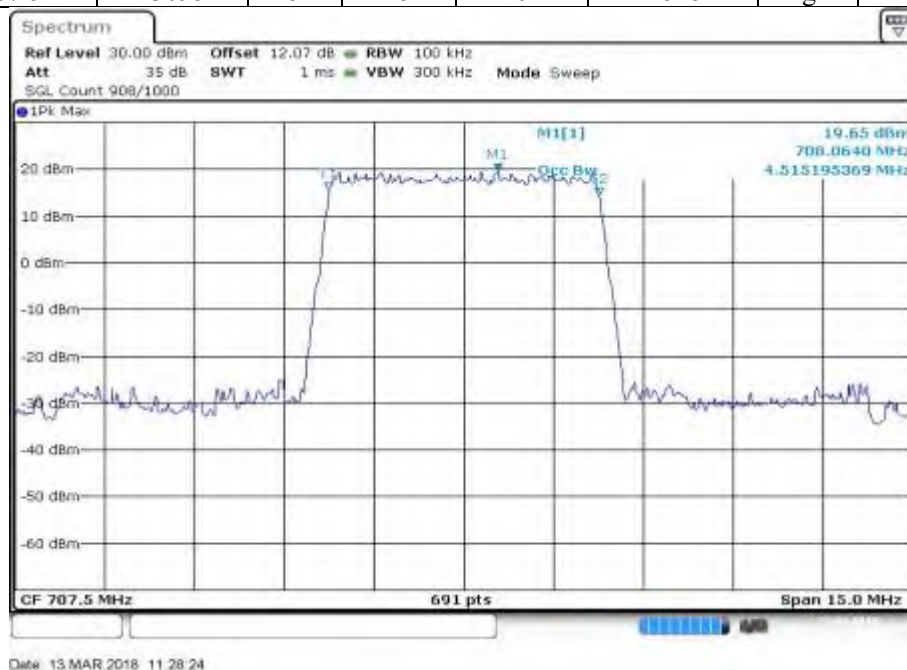


Fig.4

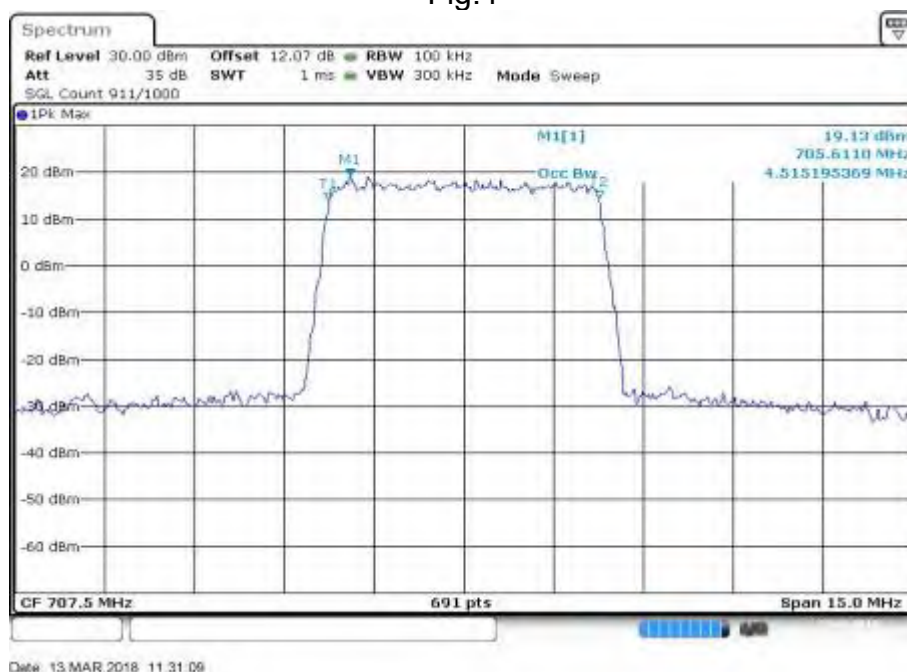


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	713.5	23155	5	25	0	4.515	Fig.4	4.515	Fig.8

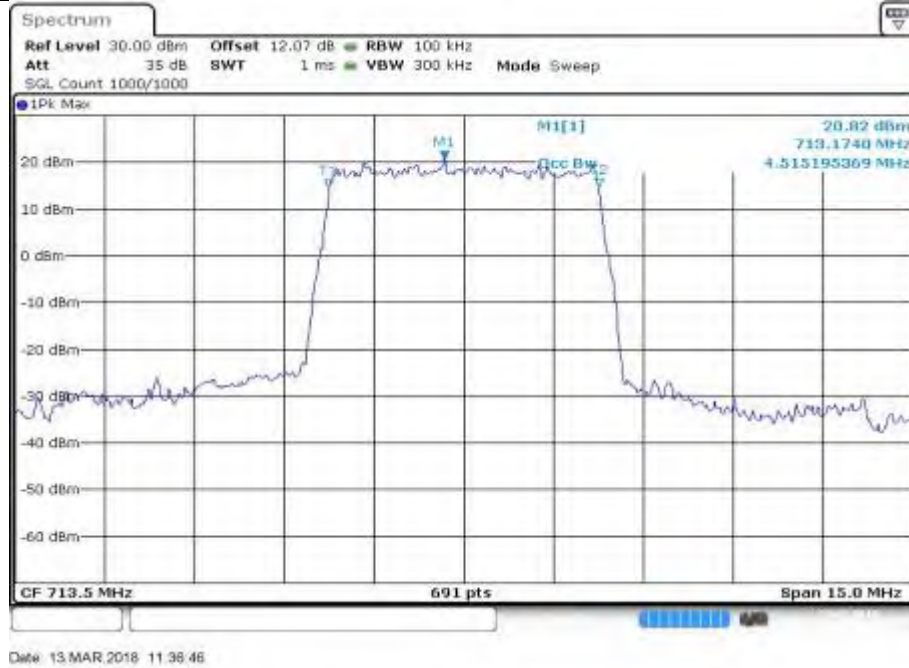


Fig.4

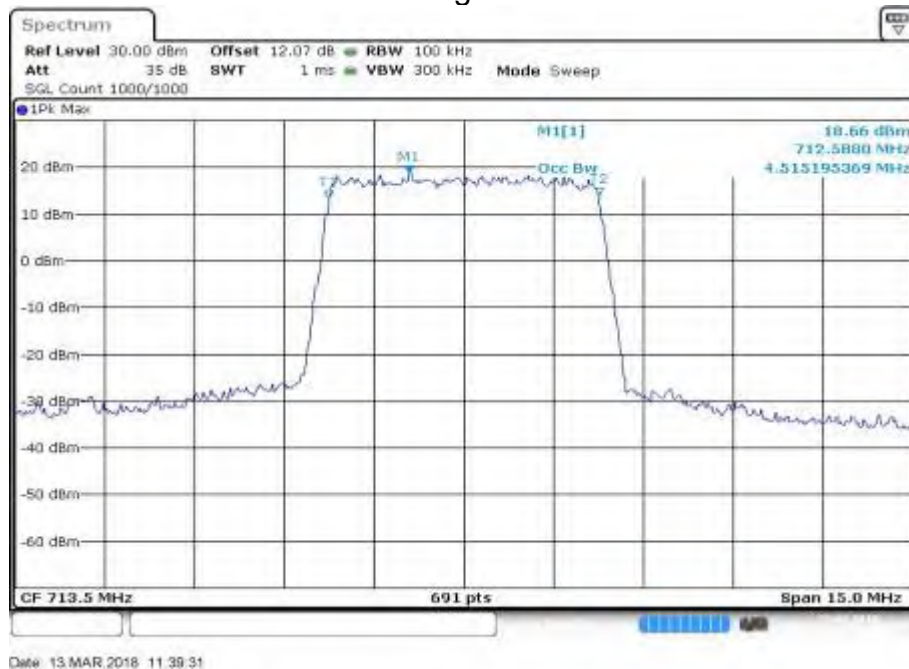


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	704	23060	10	50	0	9.074	Fig.4	9.074	Fig.8

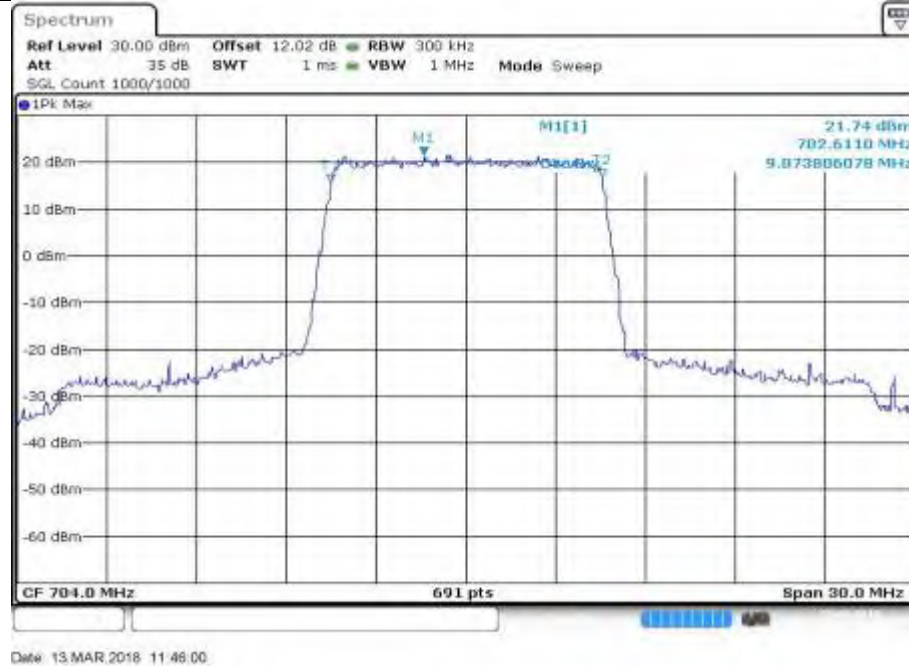


Fig.4

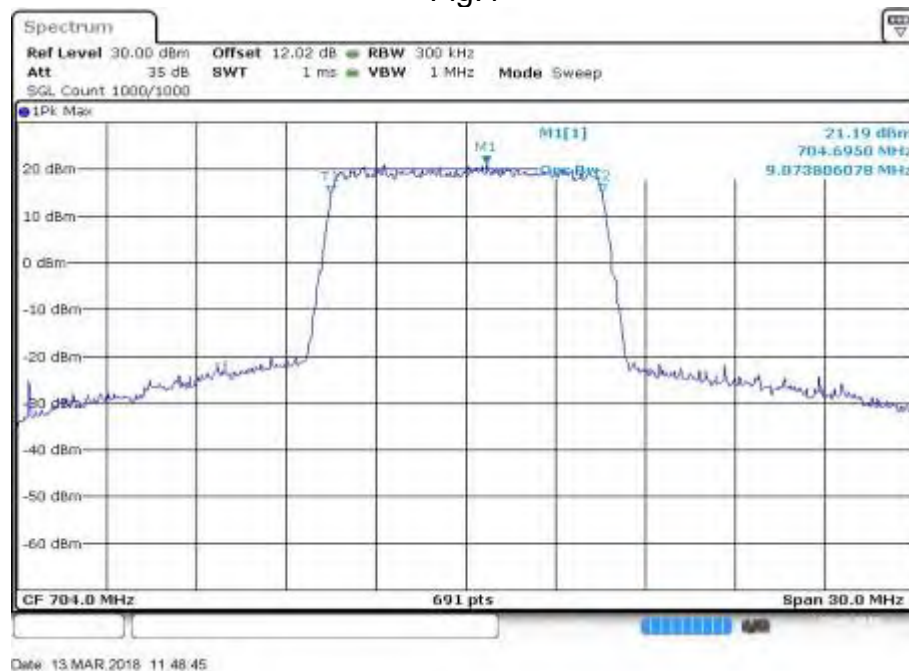


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	10	50	0	9.074	Fig.4	9.074	Fig.8

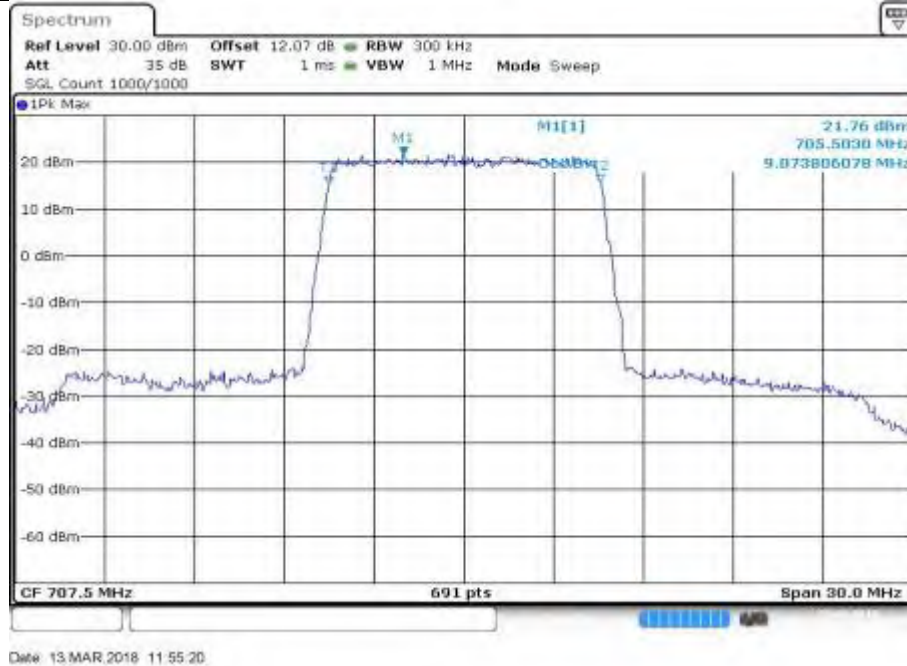


Fig.4

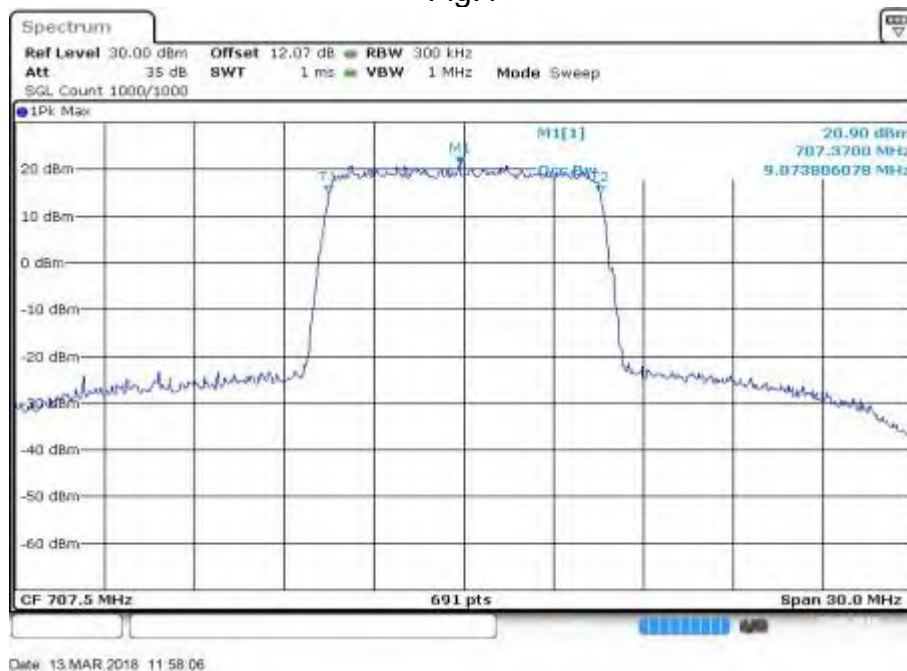


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	711	23130	10	50	0	9.030	Fig.4	9.030	Fig.8

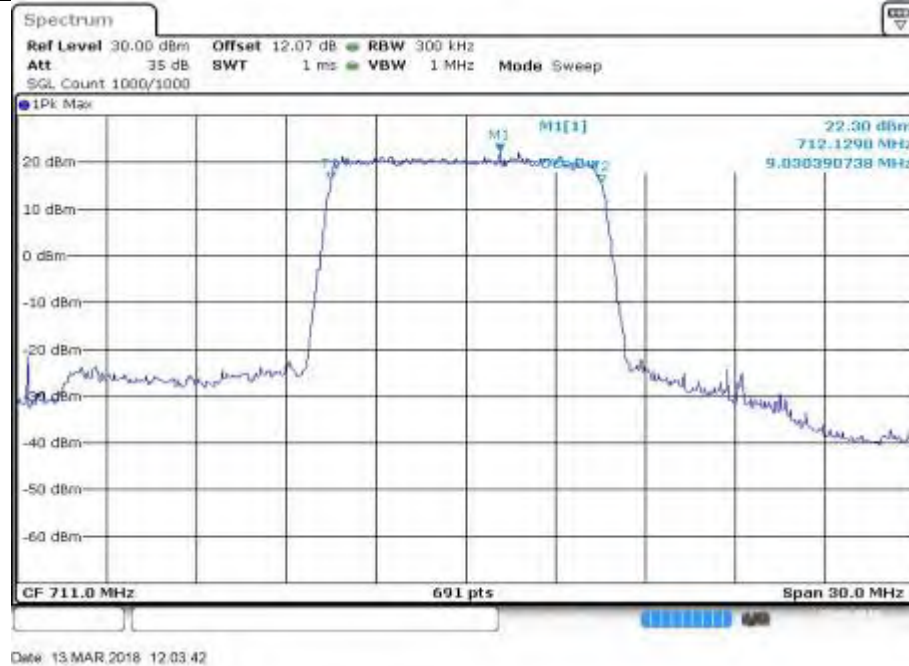


Fig.4

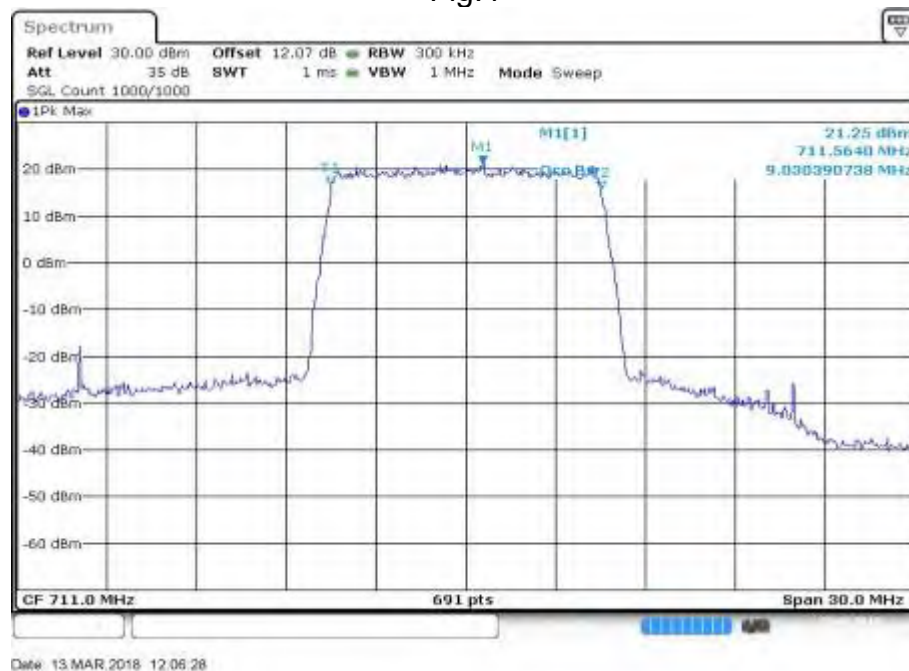


Fig.8

3 Emission Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.240	Fig.4	1.252	Fig.8

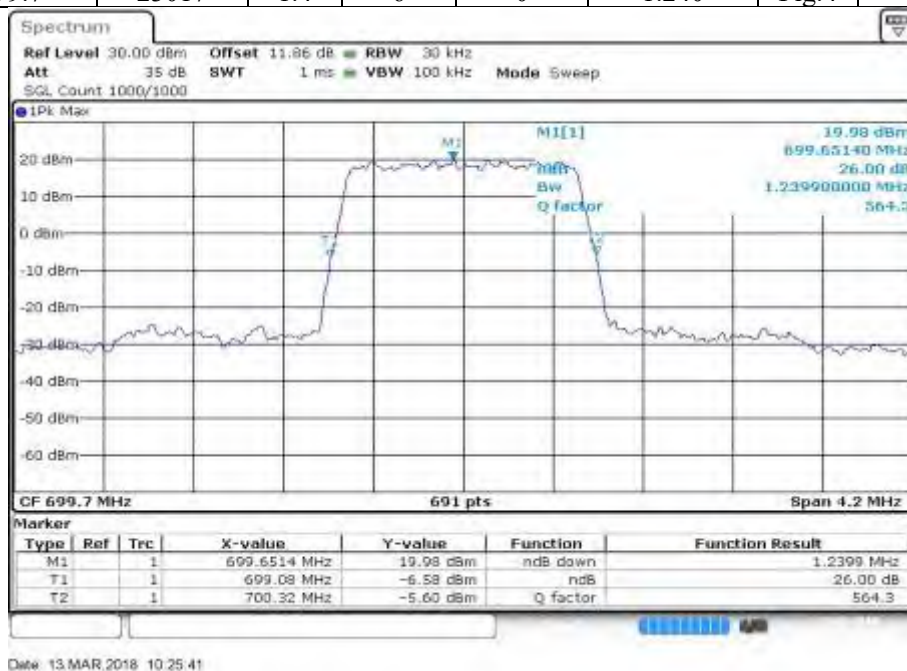


Fig.4

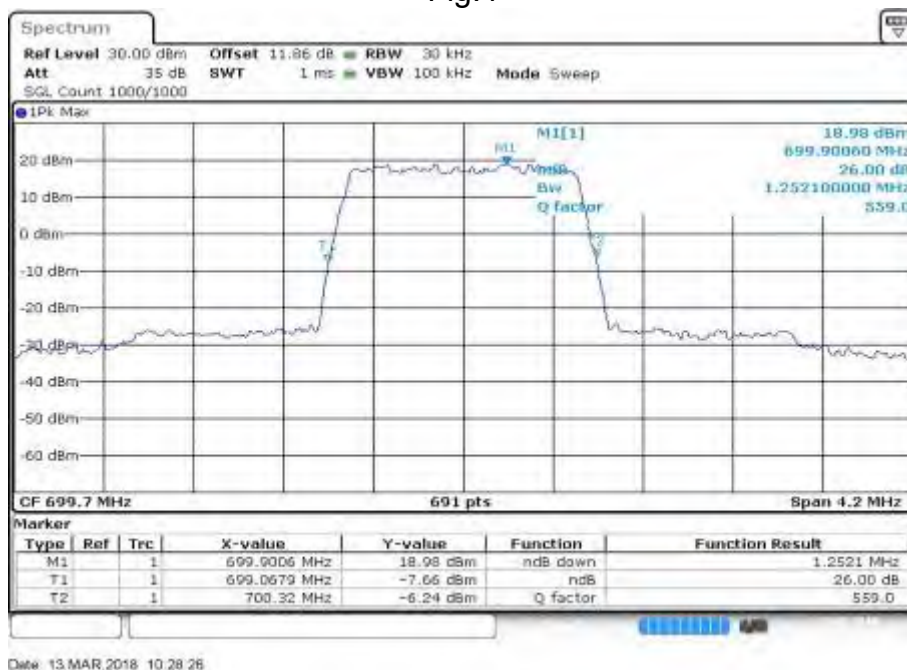


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	1.4	6	0	1.246	Fig.4	1.234	Fig.8

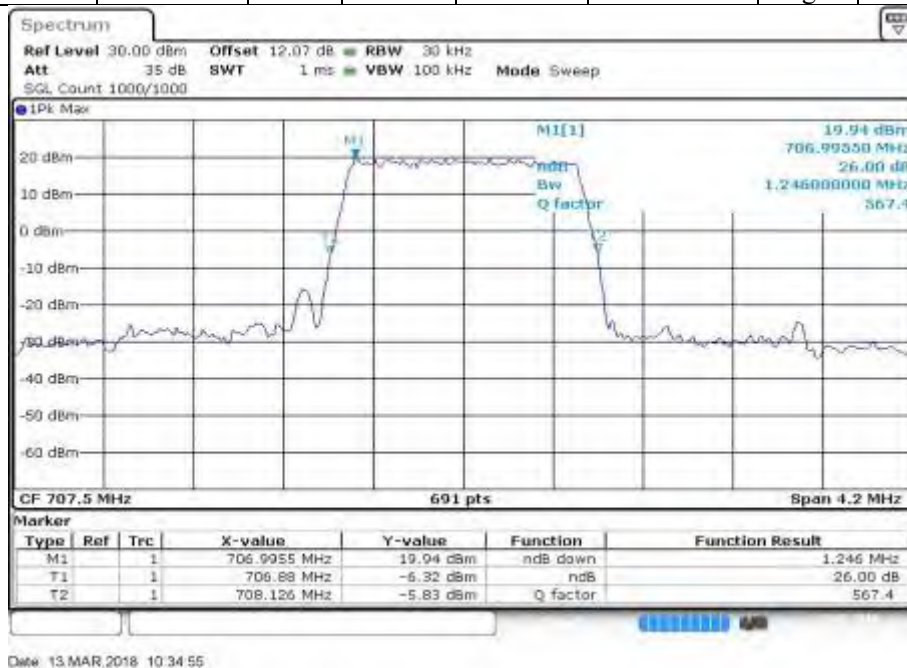


Fig.4

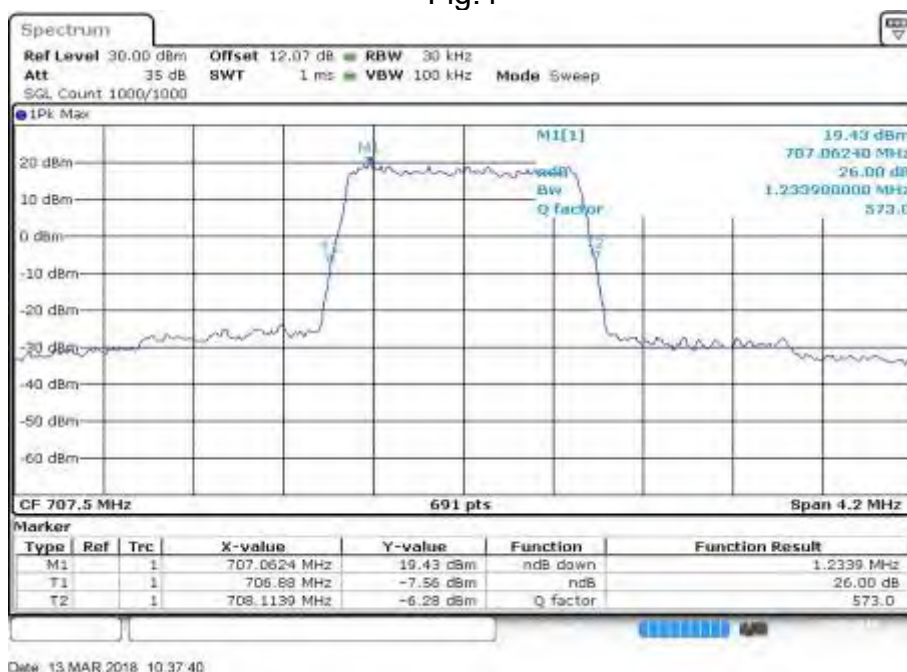


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	715.3	23173	1.4	6	0	1.240	Fig.4	1.240	Fig.8

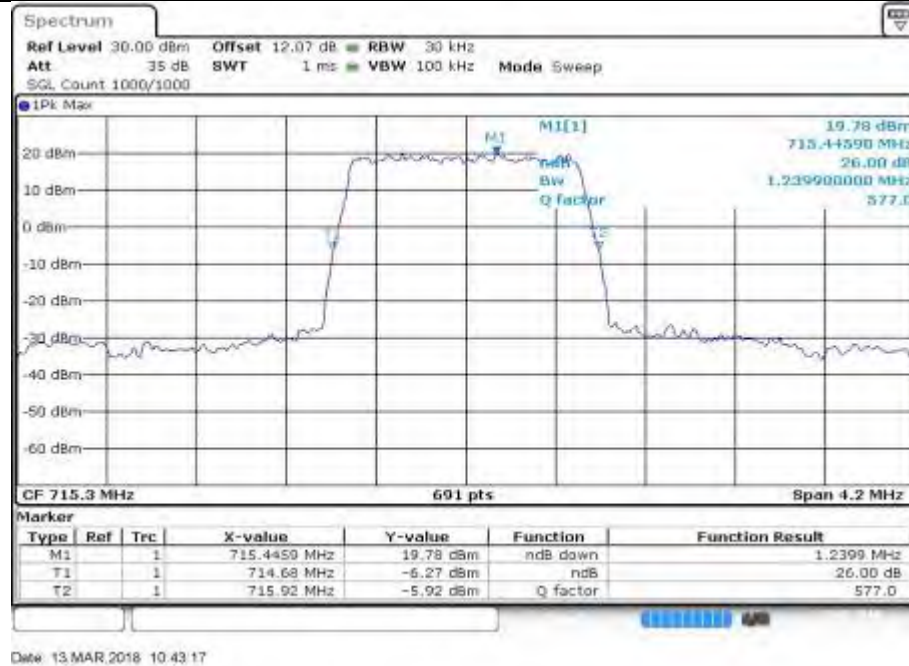


Fig.4

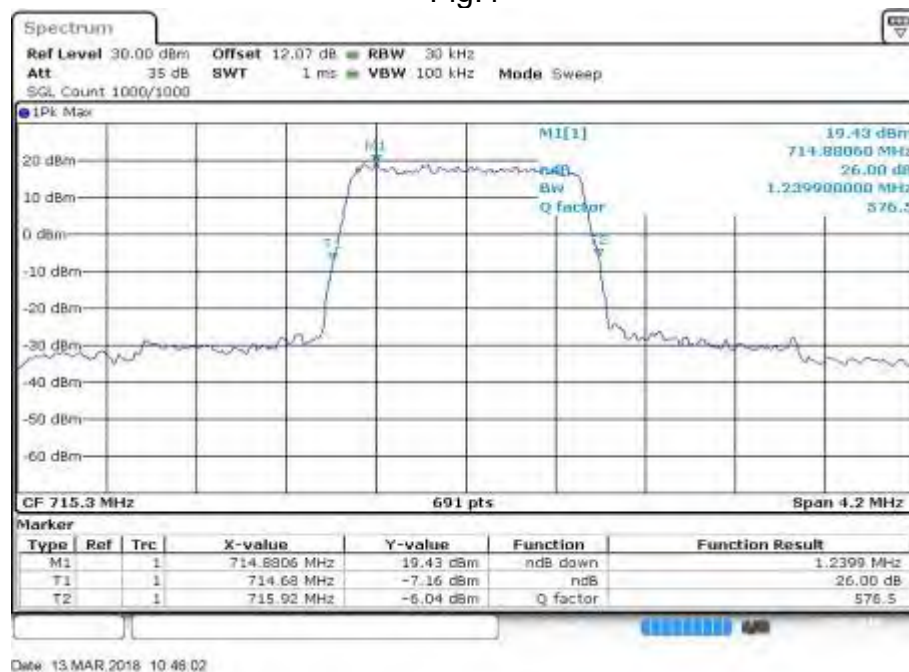


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	700.5	23025	3	15	0	2.087	Fig.4	2.087	Fig.8

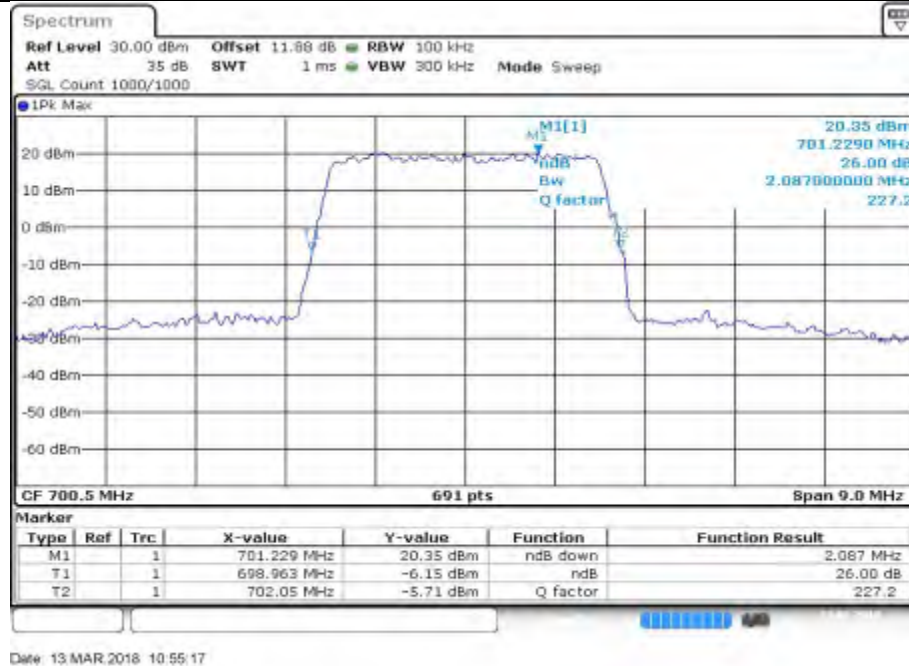


Fig.4

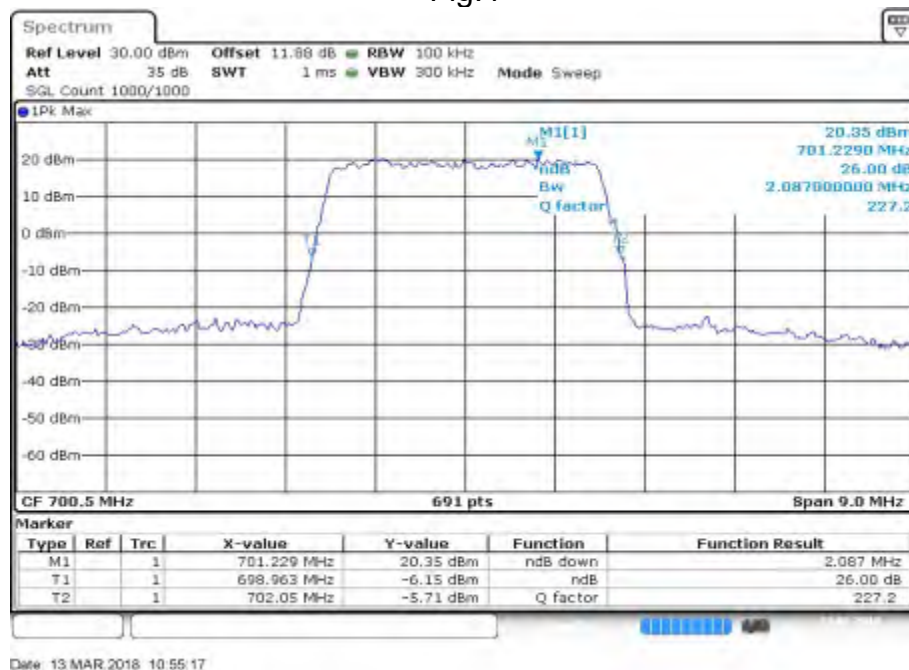


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	3	15	0	2.074	Fig.4	2.074	Fig.8

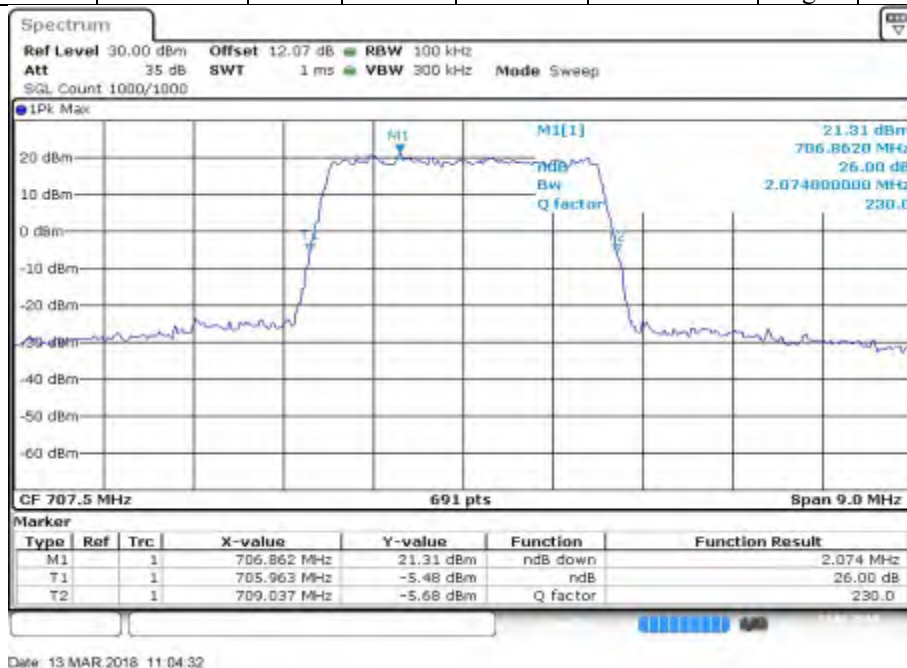


Fig.4

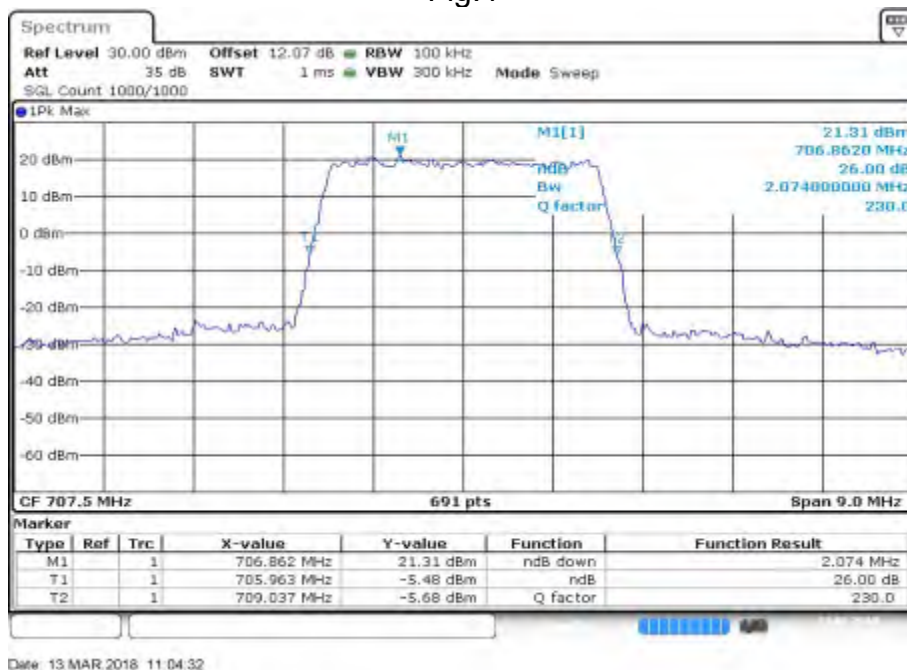


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	714.5	23165	3	15	0	2.048	Fig.4	2.048	Fig.8

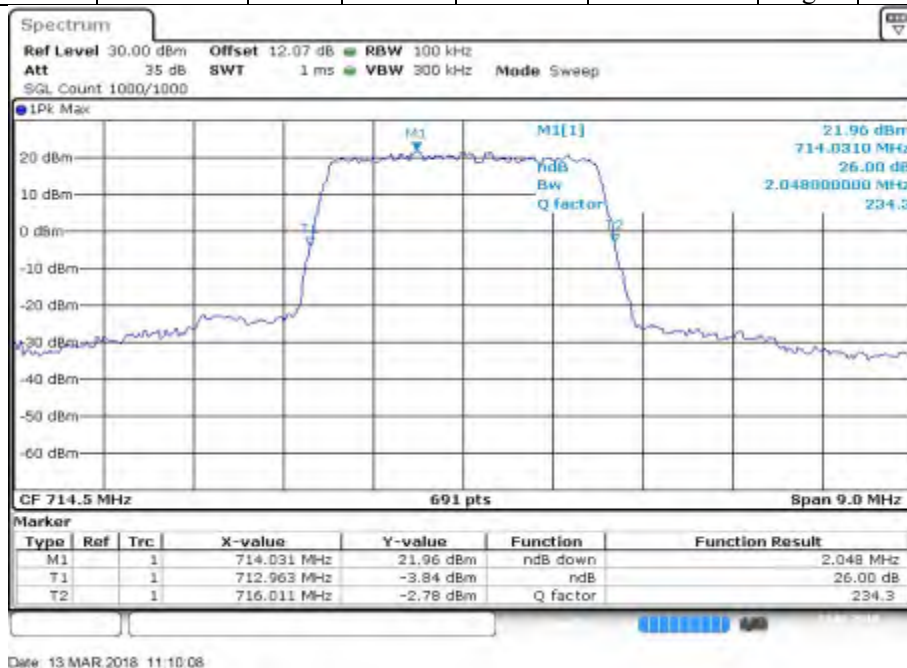


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	701.5	23035	5	25	0	4.993	Fig.4	4.928	Fig.8

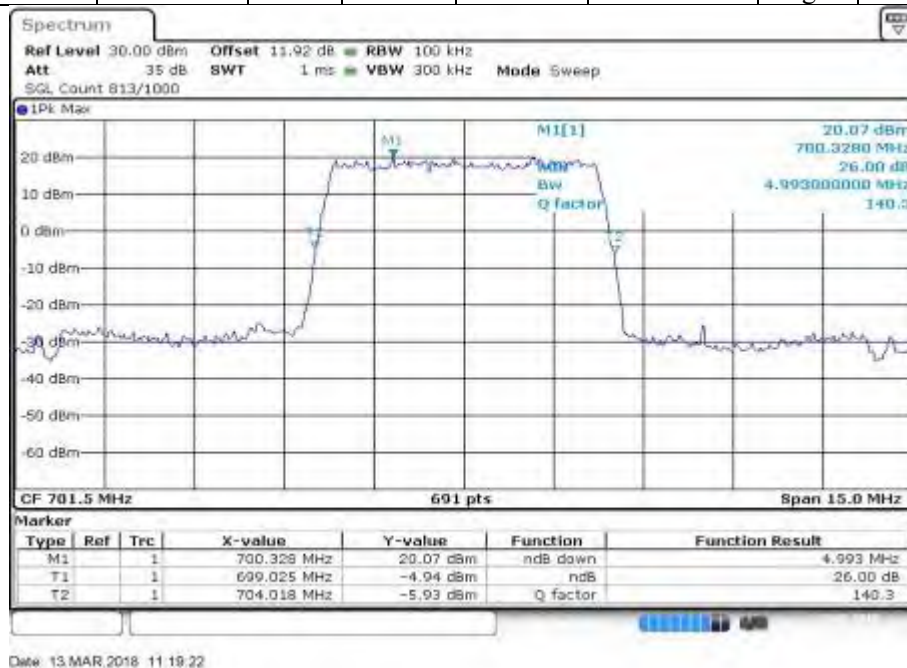


Fig.4

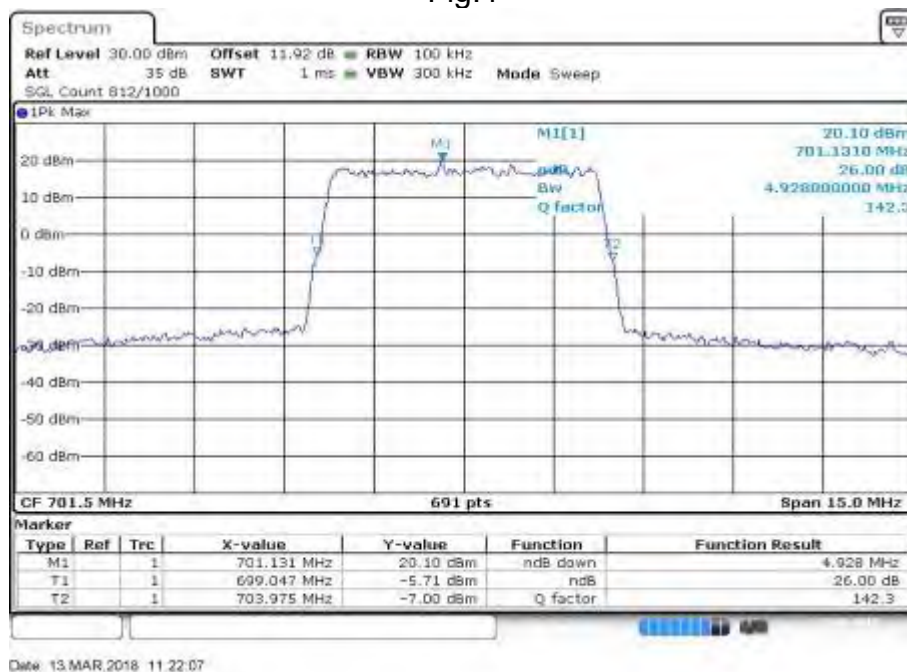


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	5	25	0	4.971	Fig.4	4.971	Fig.8

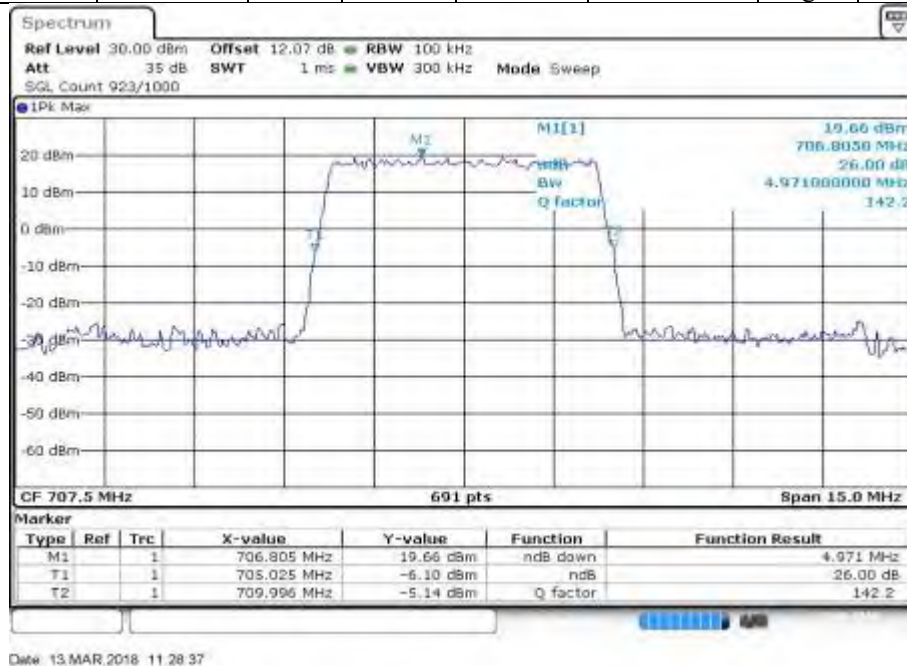


Fig.4

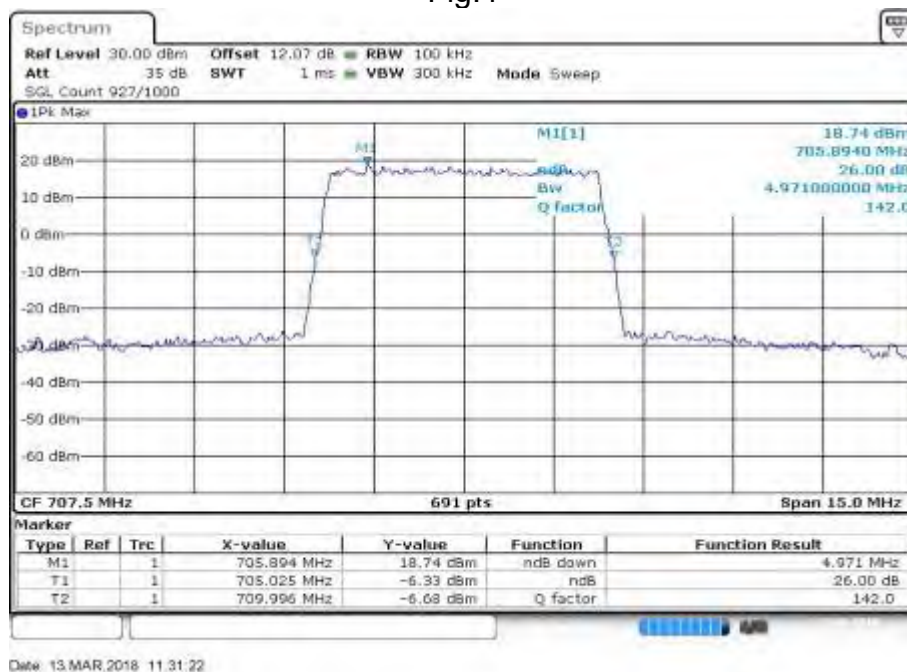


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	713.5	23155	5	25	0	4.971	Fig.4	4.993	Fig.8

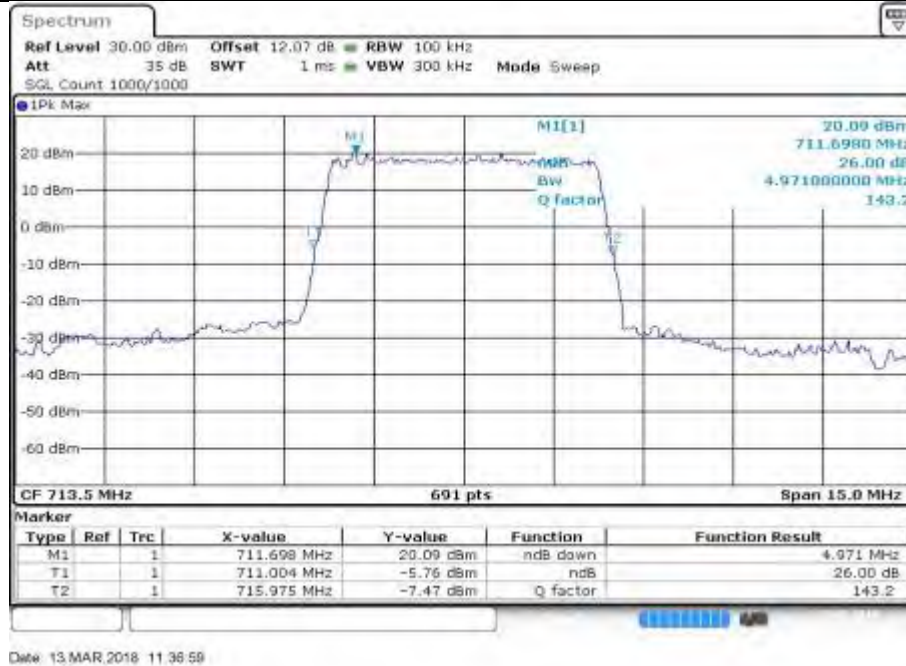


Fig.4

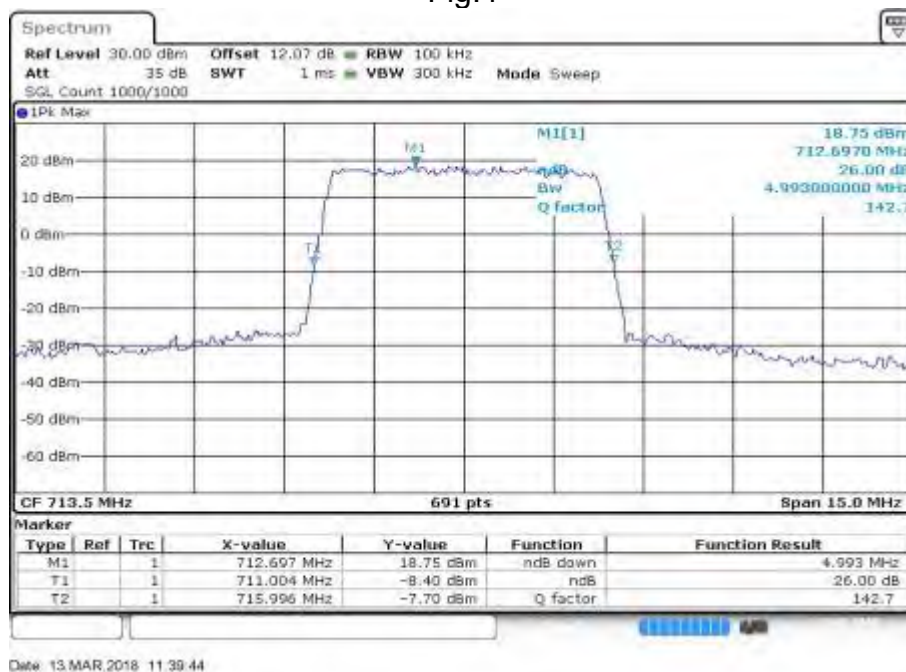


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	704	23060	10	50	0	9.899	Fig.4	9.899	Fig.8

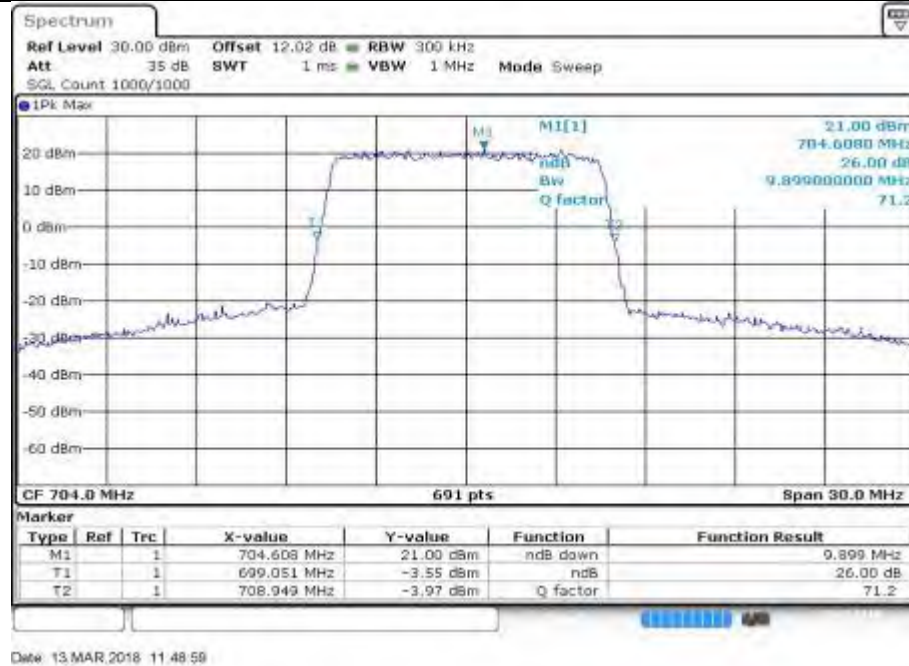


Fig.4

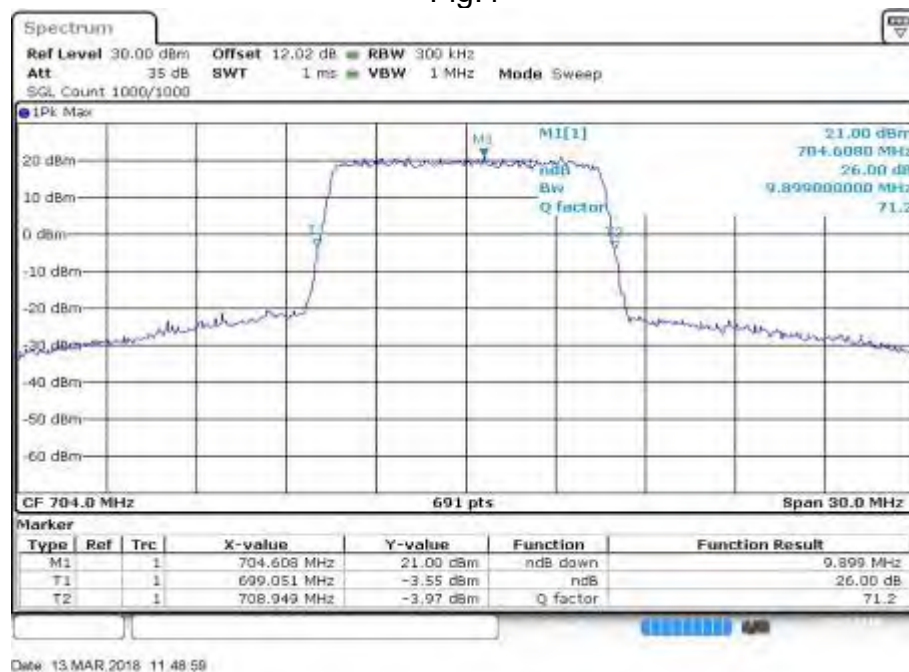


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	707.5	23095	10	50	0	9.942	Fig.4	9.942	Fig.8

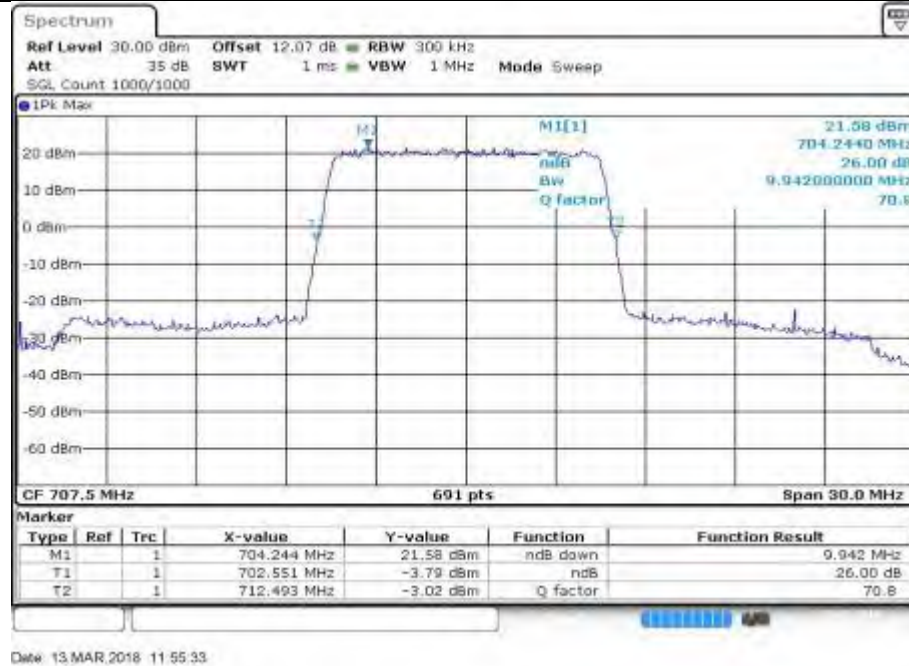


Fig.4

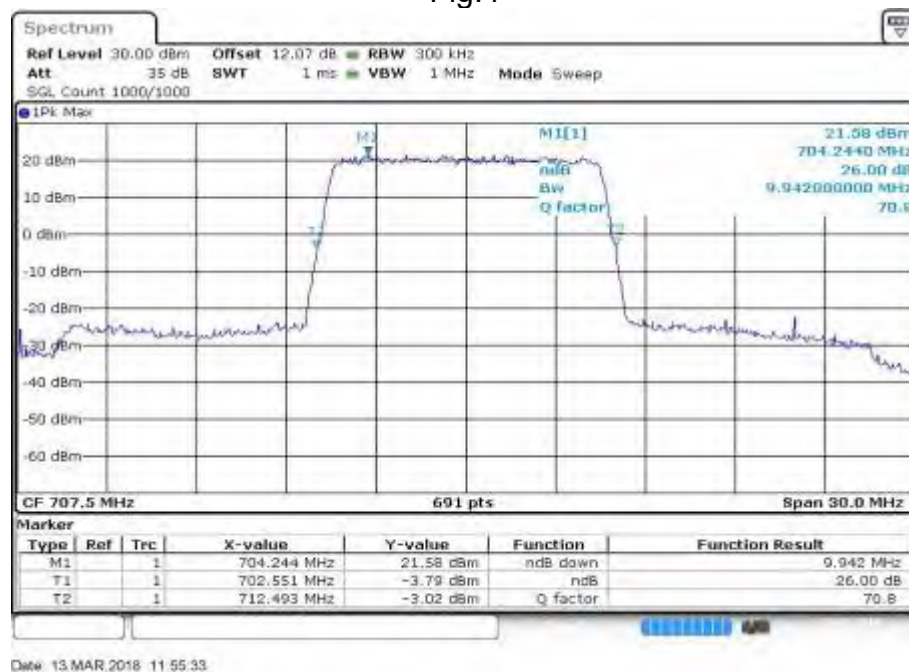


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	711	23130	10	50	0	9.942	Fig.4	9.942	Fig.8

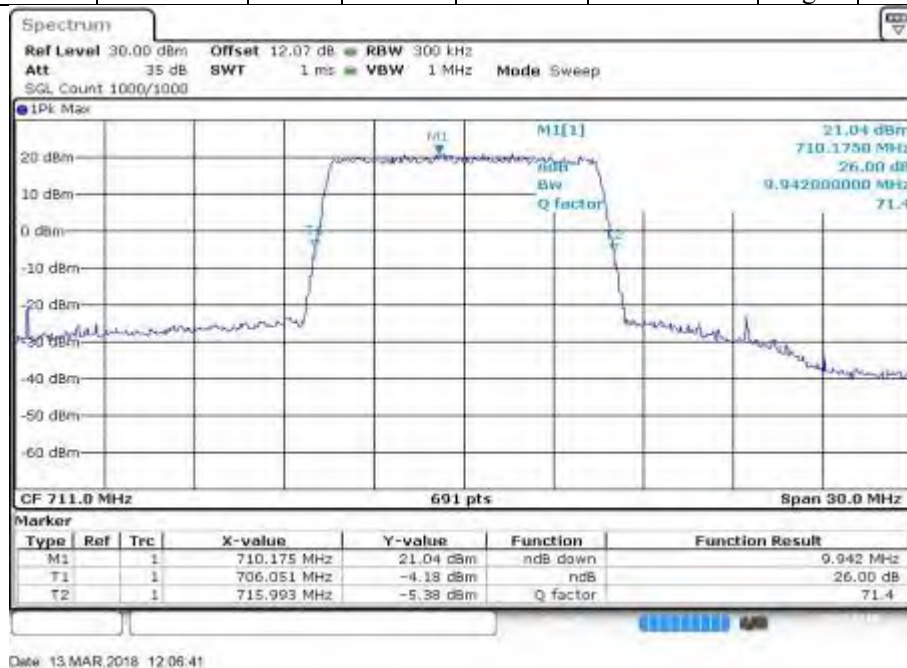


Fig.4

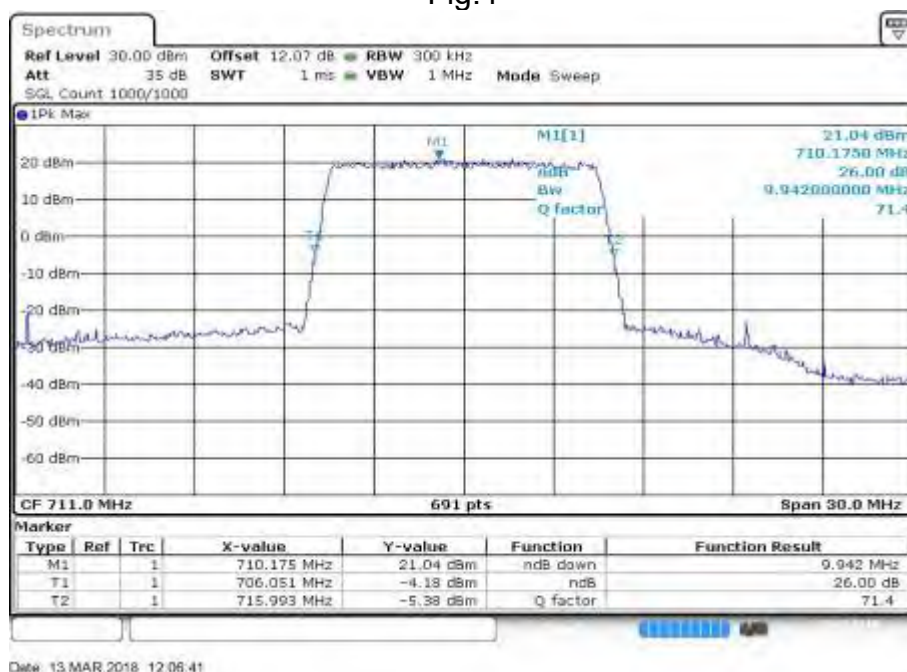


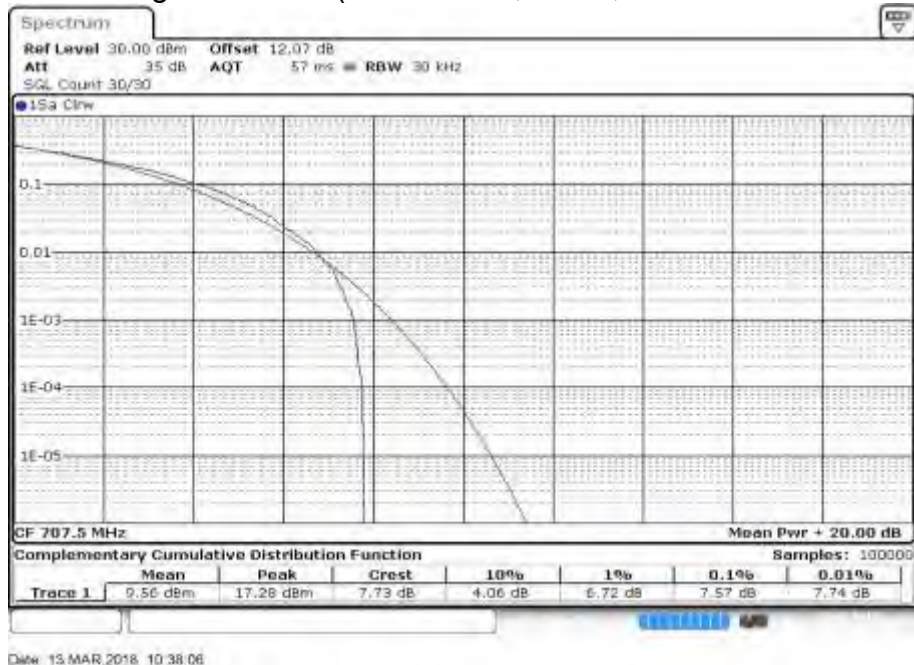
Fig.8

4 Peak-Average Ratio

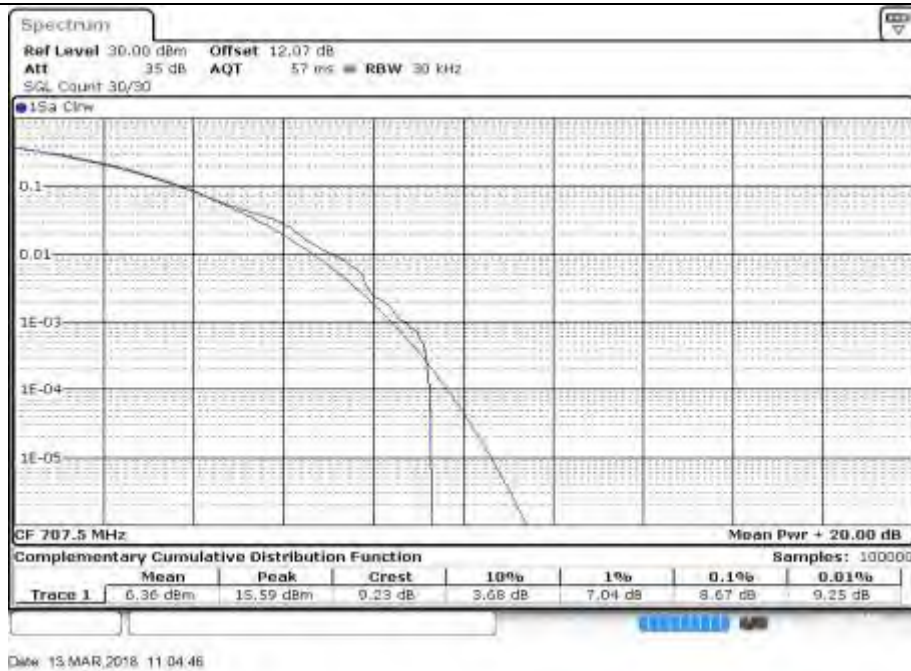
Test result:



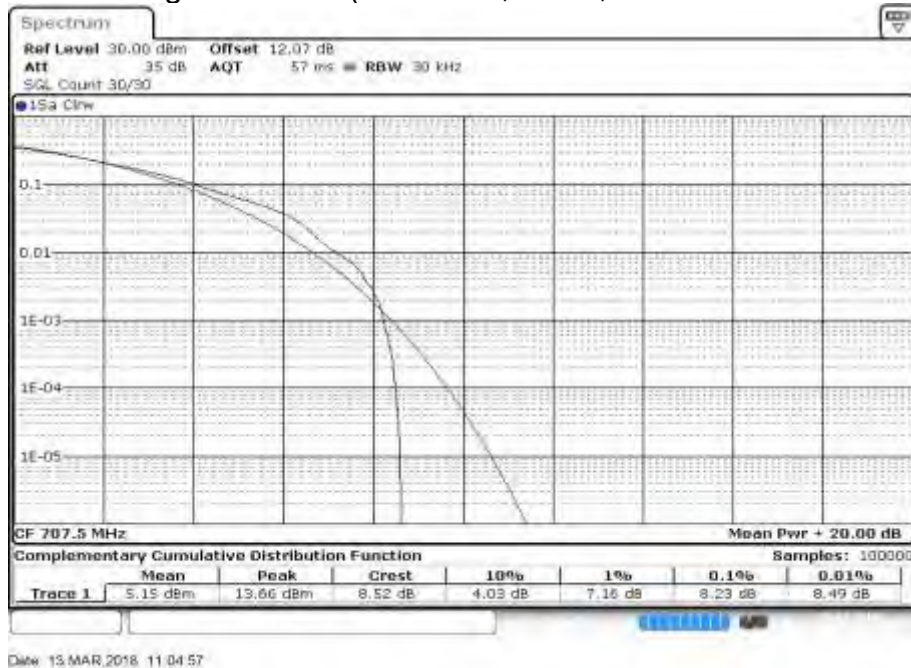
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 12-mid Channel)



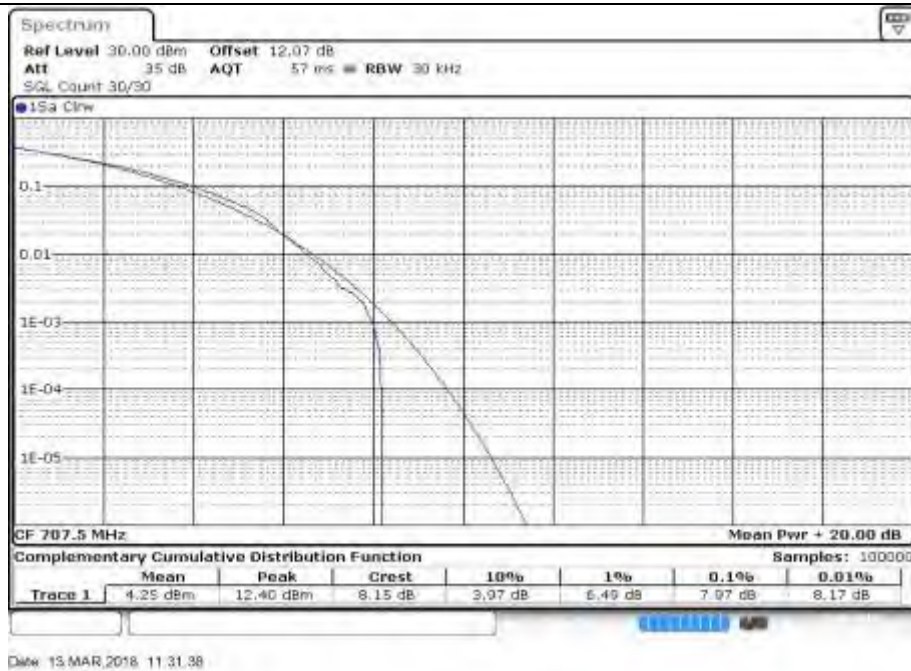
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 12-mid Channel)



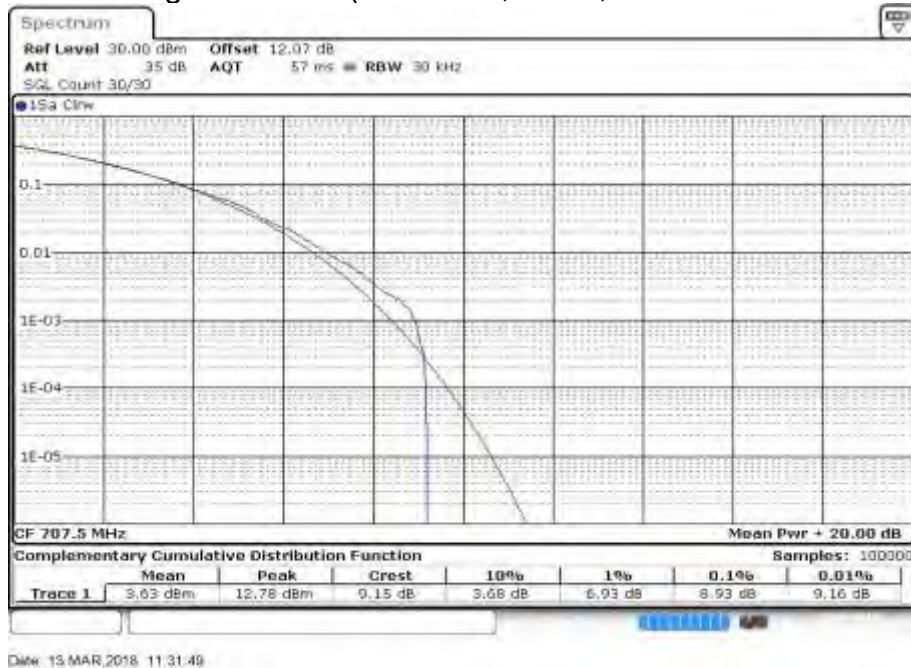
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 12-mid Channel)



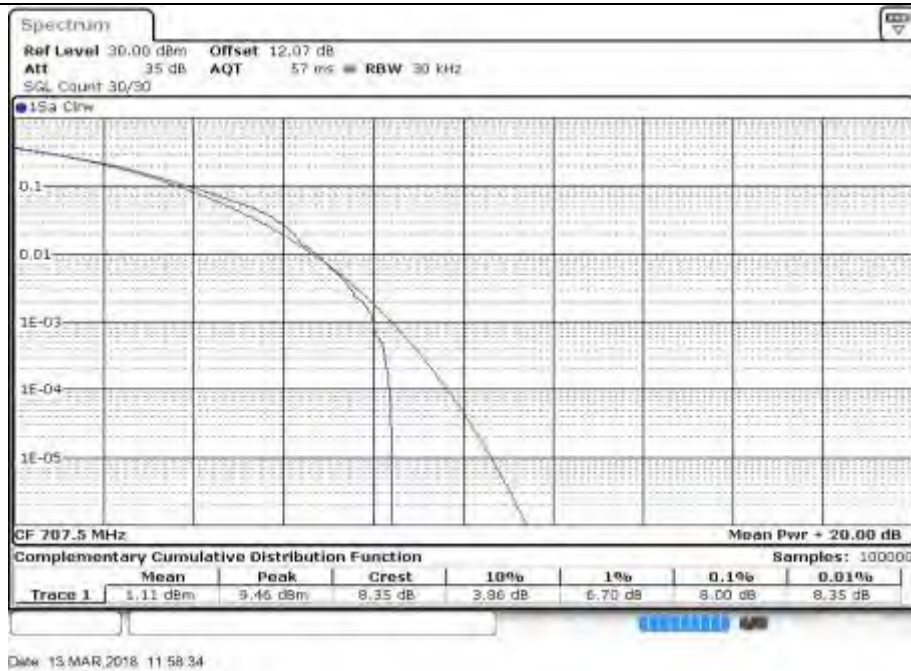
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 12-mid Channel)



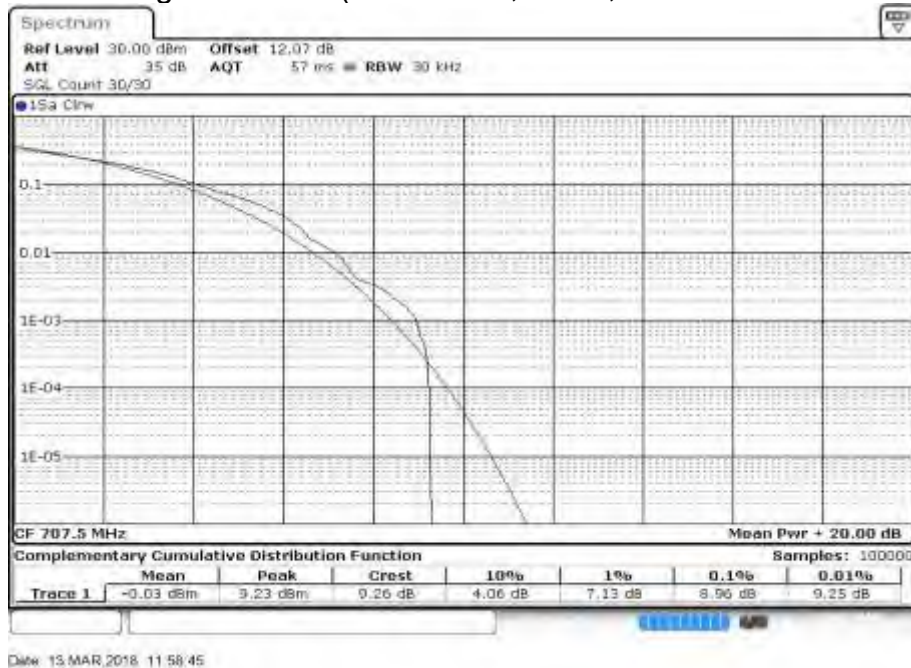
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 12-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 12-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 12-mid Channel)



Peak-Average Ratio Plot(10MHz BW,16QAM,Band 12-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
12	704	23060	10	50	0	Fig.4	Fig.8

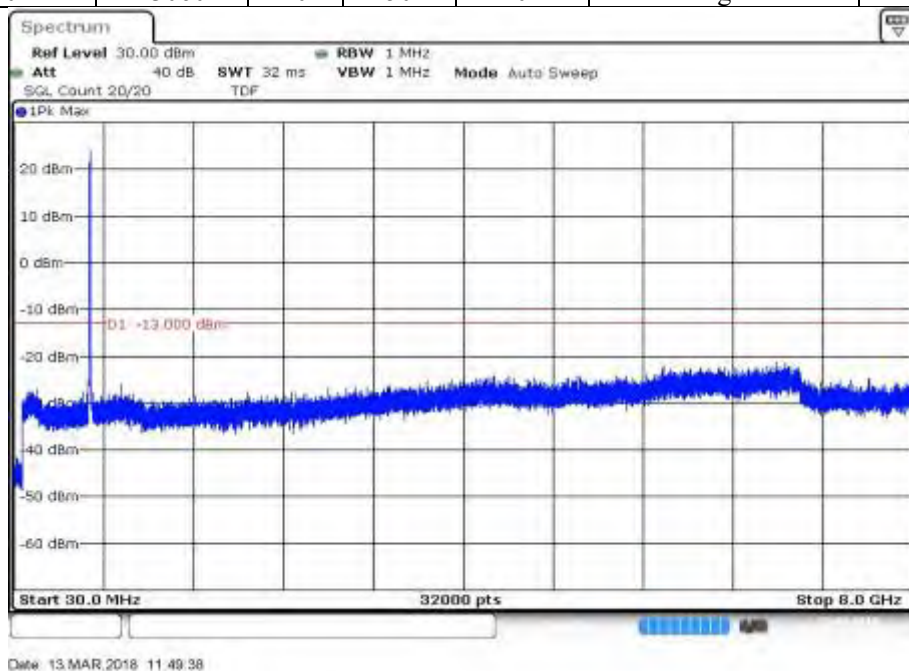


Fig.4

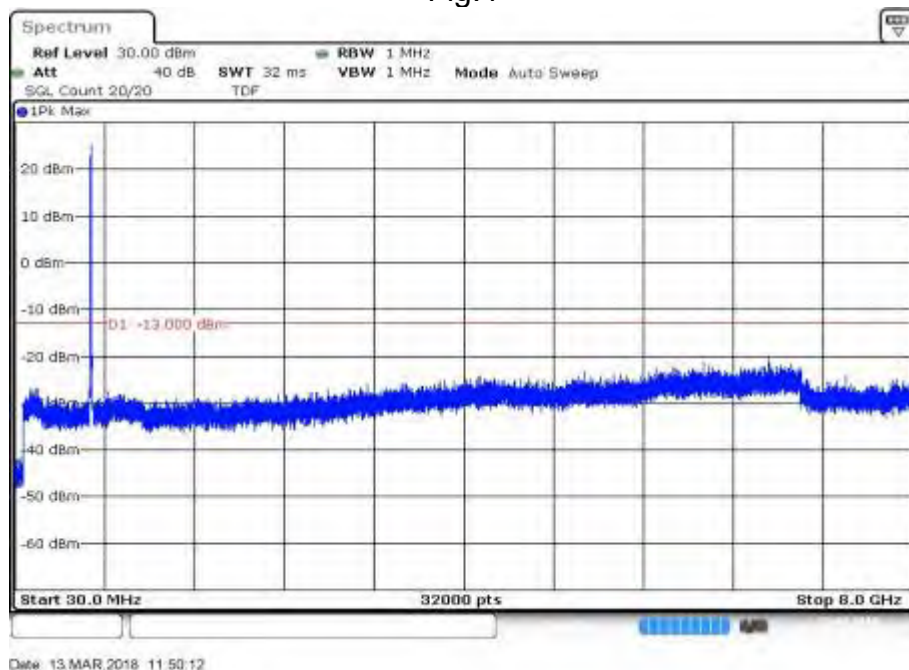


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
12	707.5	23095	10	50	0	Fig.4	Fig.8

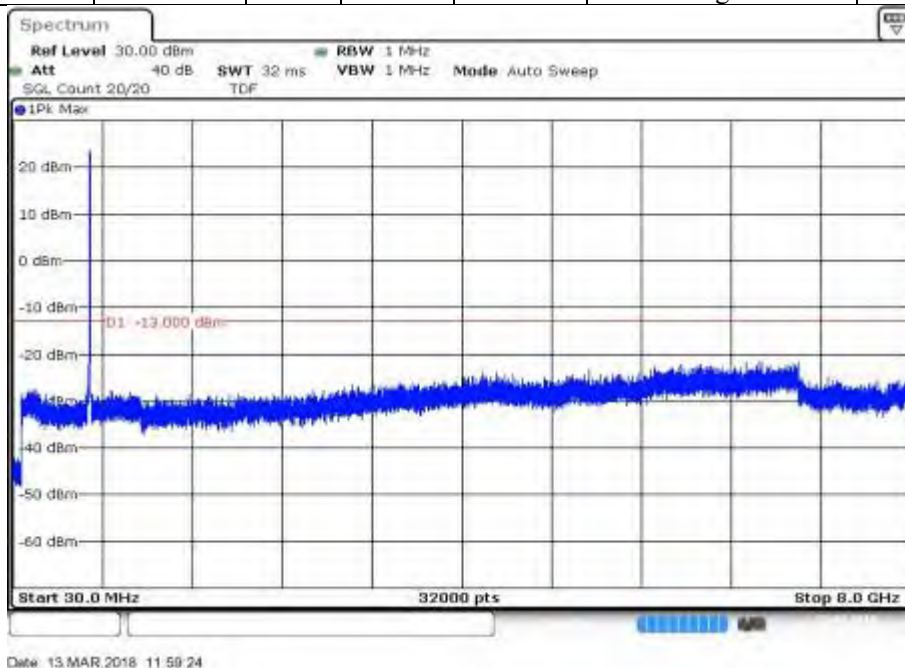


Fig.4

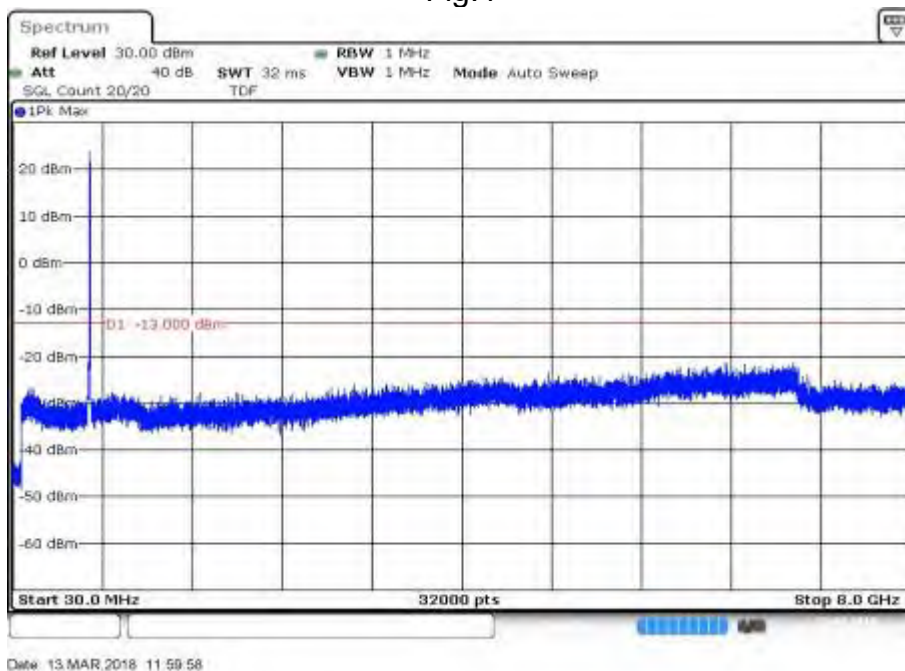


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
12	711	23130	10	50	0	Fig.4	Fig.8

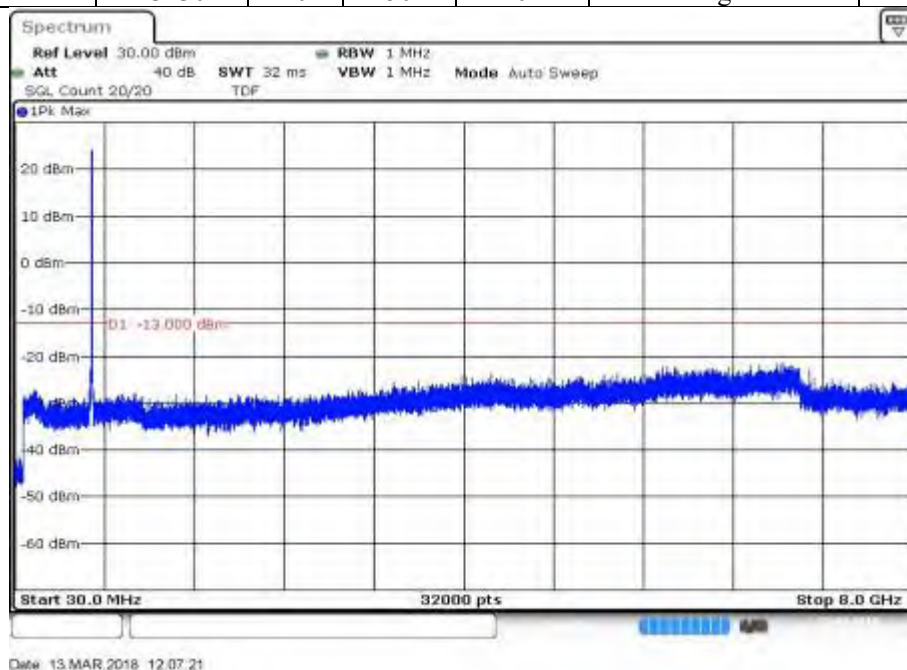


Fig.4

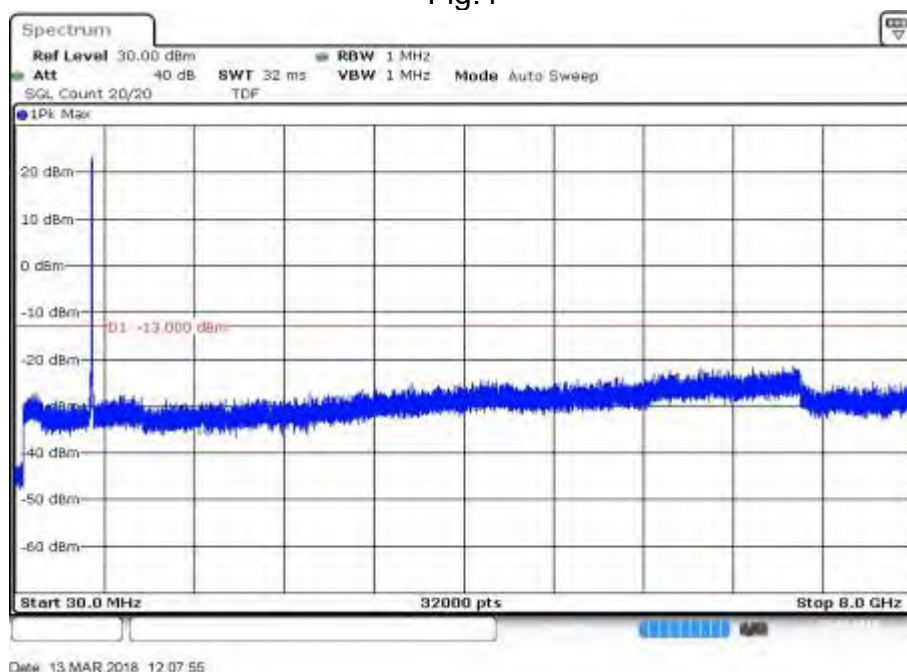


Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	699.7	23017	1.4	1	0	Fig.1
				6	0	Fig.4

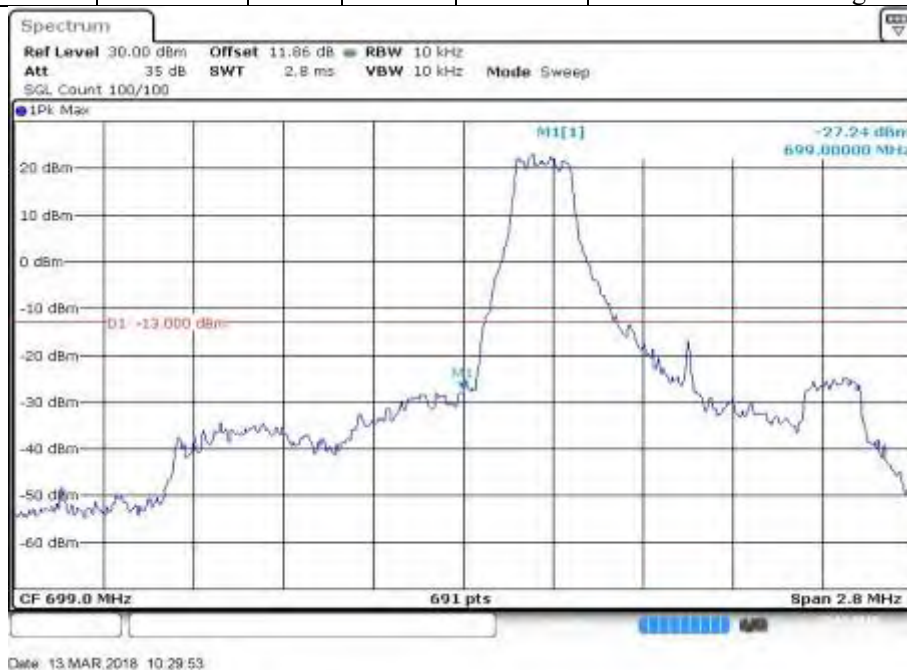


Fig.1

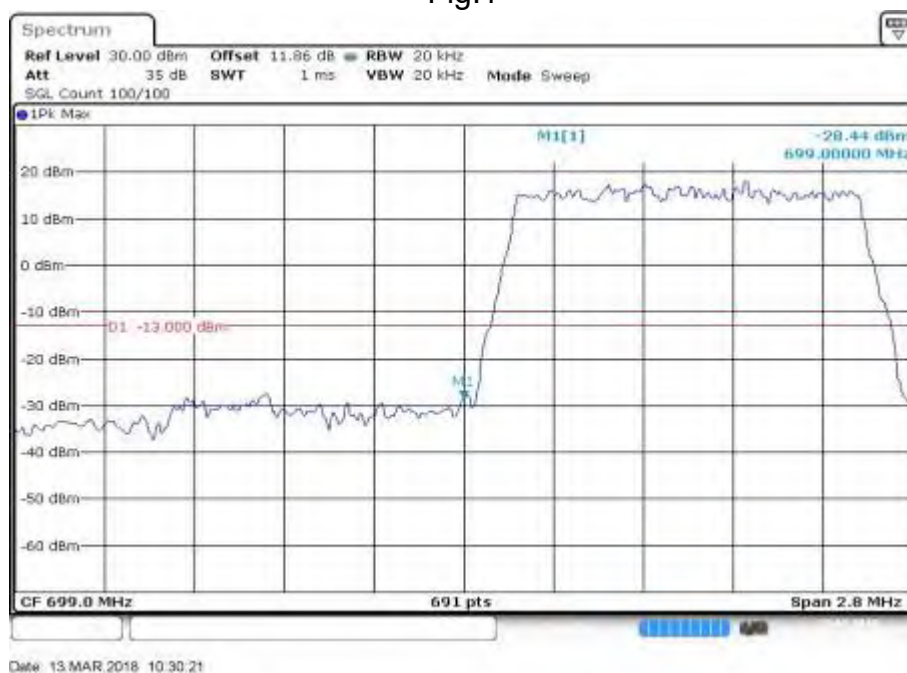


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	715.3	23173	1.4	1	0	Fig.1
				6	0	Fig.4

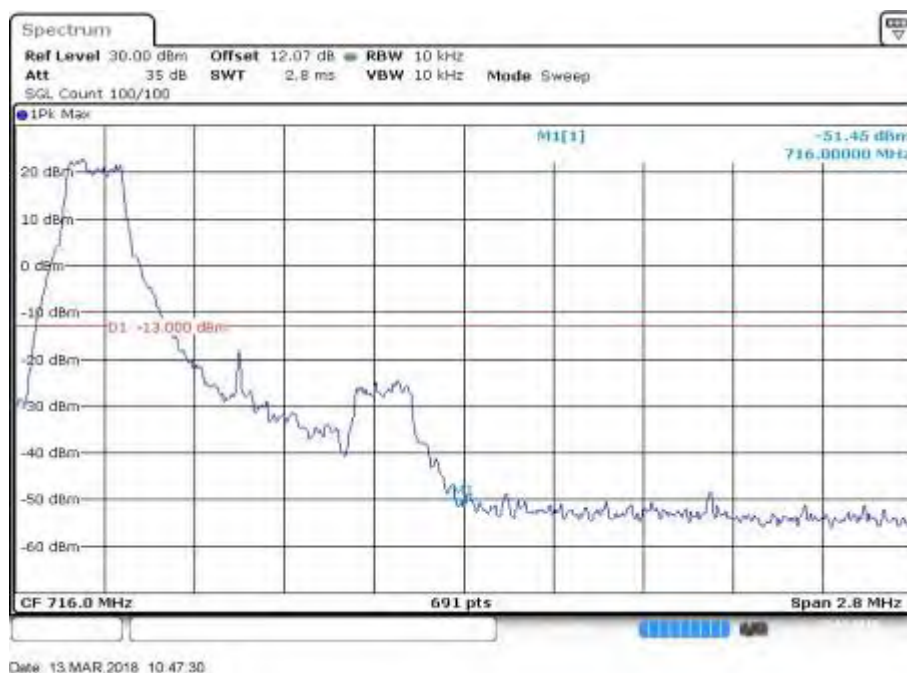


Fig.1

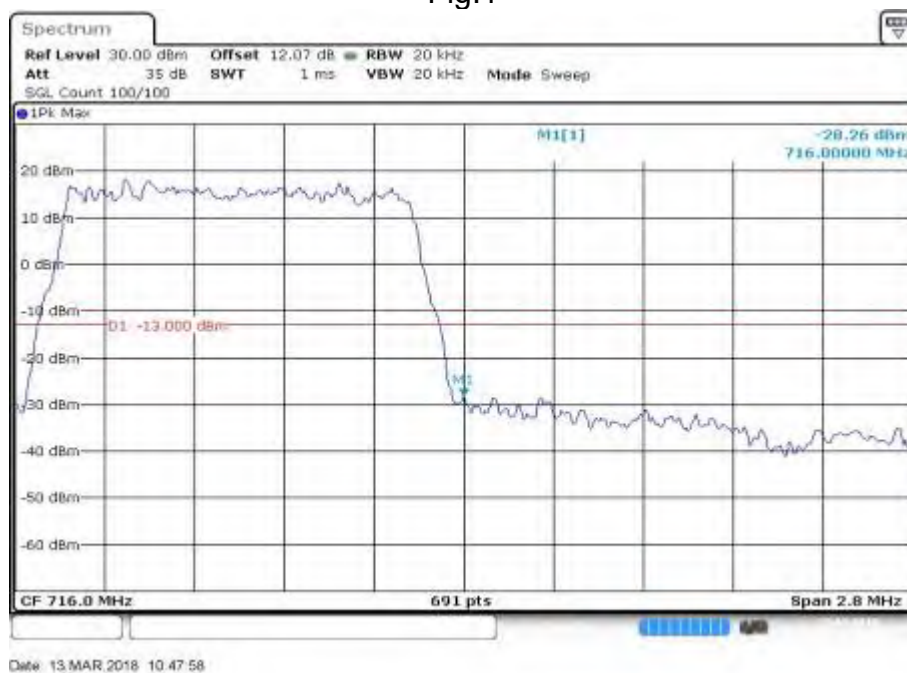


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	700.5	23025	3	1	0	Fig.1
				6	0	Fig.4

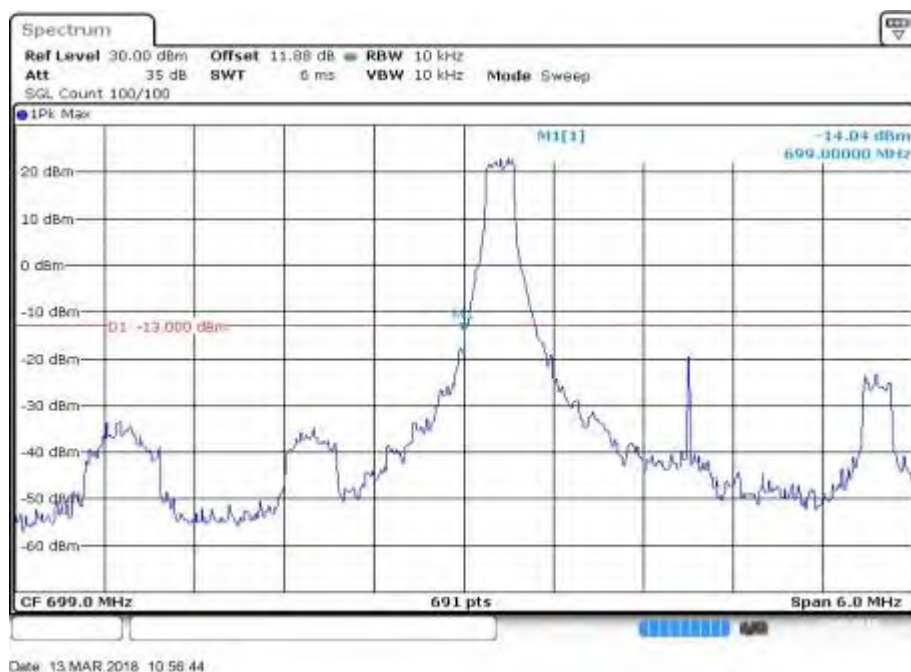


Fig.1

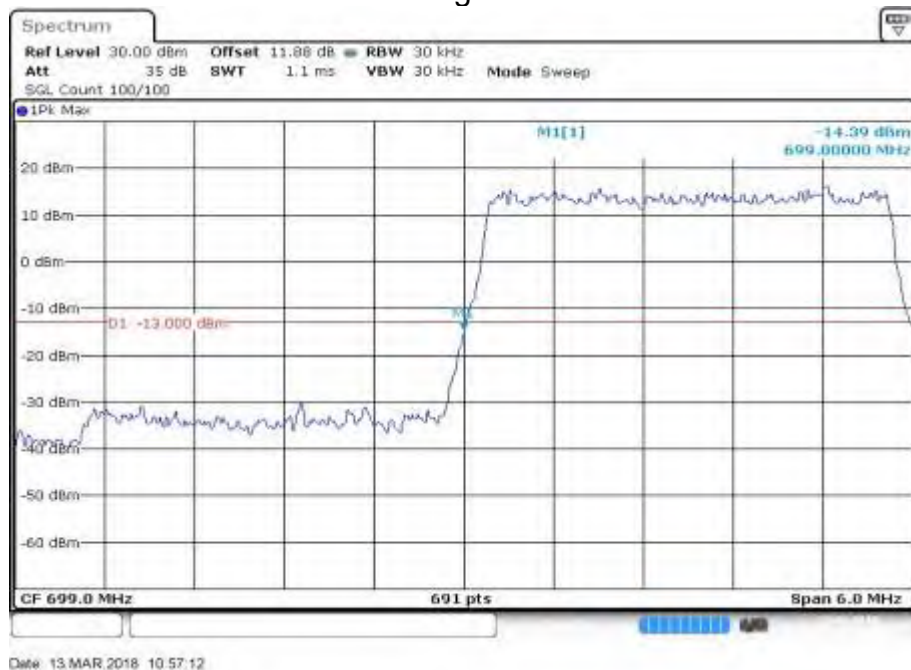


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	714.5	23165	3	1	0	Fig.1
				6	0	Fig.4



Fig.1

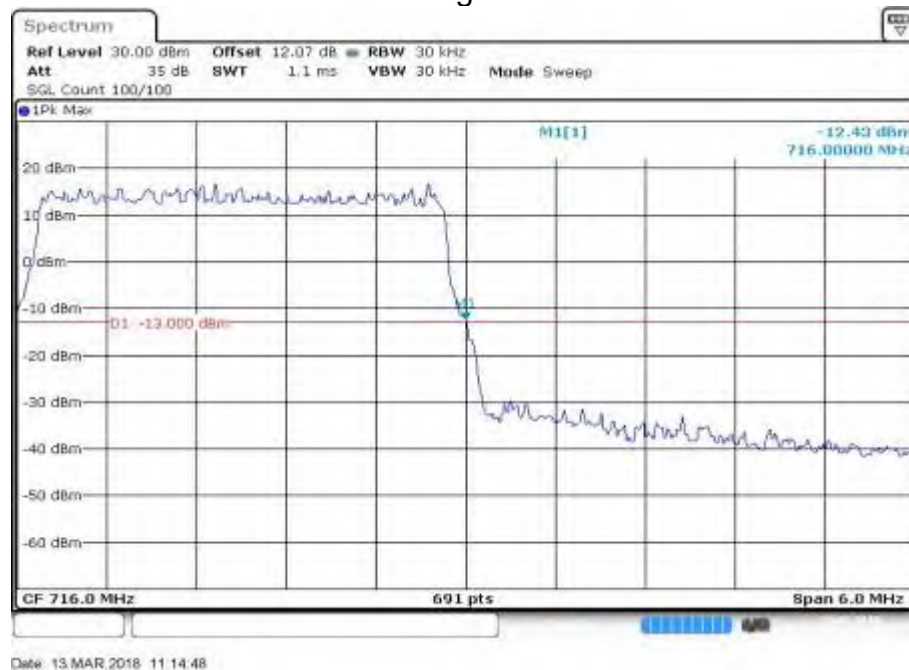


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	701.5	23035	5	1	0	Fig.1
				25	0	Fig.4

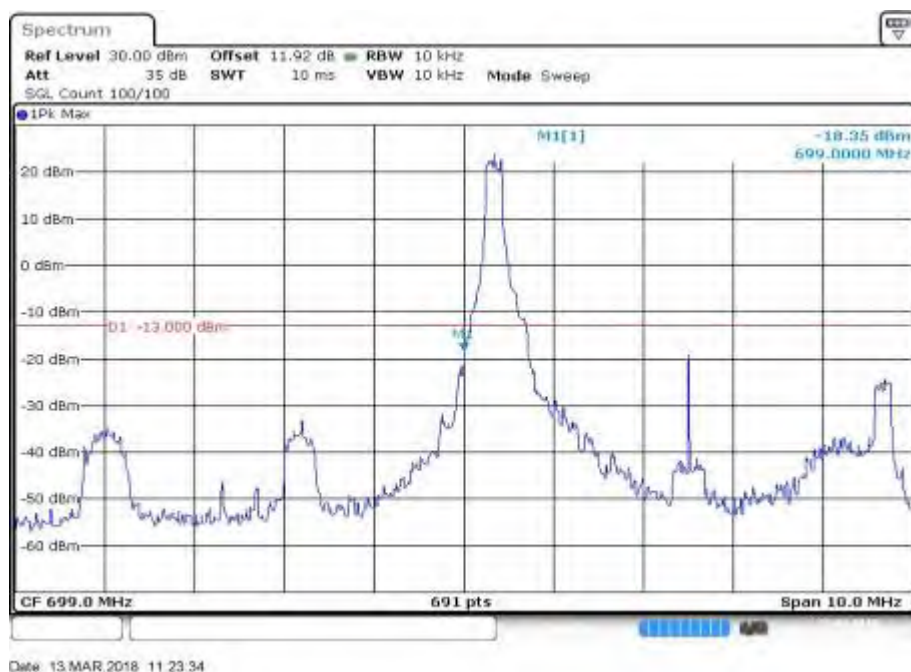


Fig.1

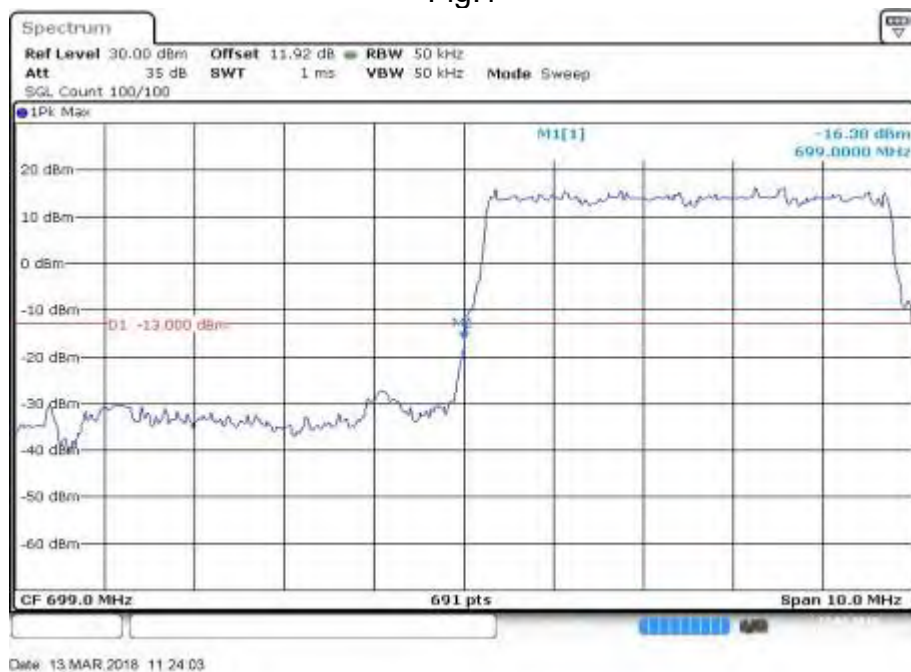


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	713.5	23155	5	1	0	Fig.1
				25	0	Fig.4



Fig.1

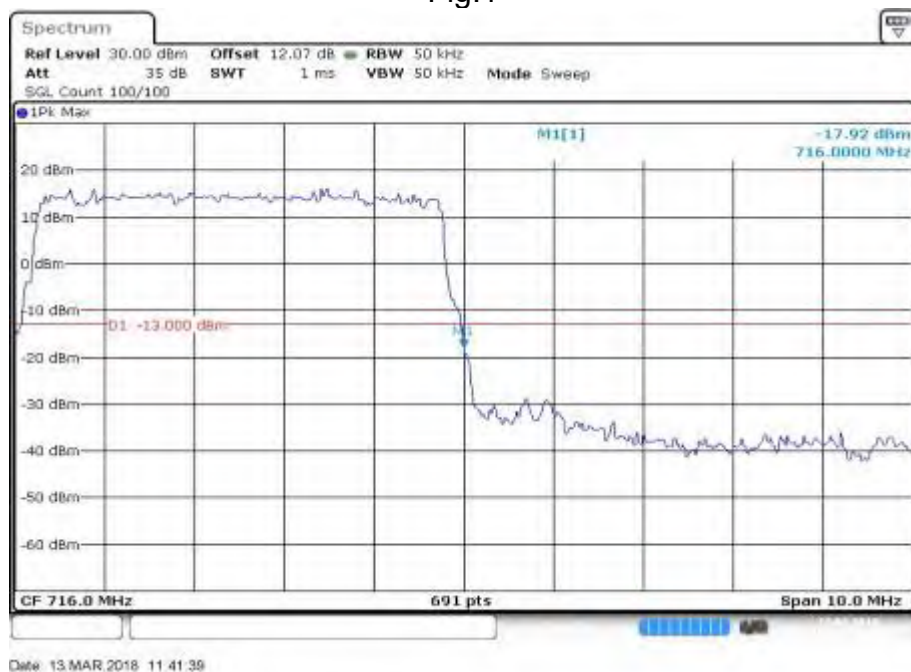


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	704	23060	10	1	0	Fig.1
				50	0	Fig.4

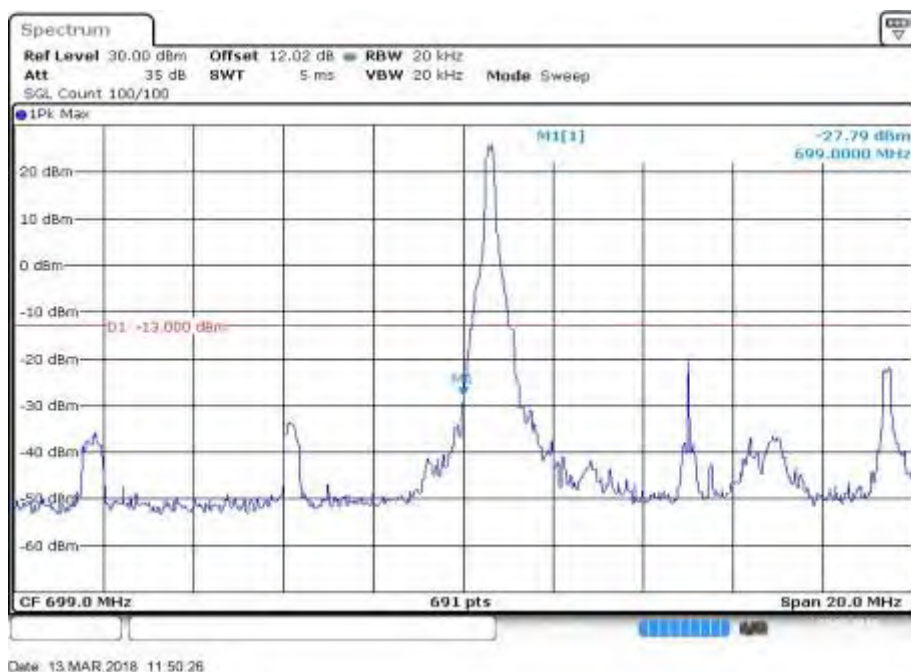


Fig.1



Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
12	711	23130	10	1	0	Fig.1
				50	0	Fig.4

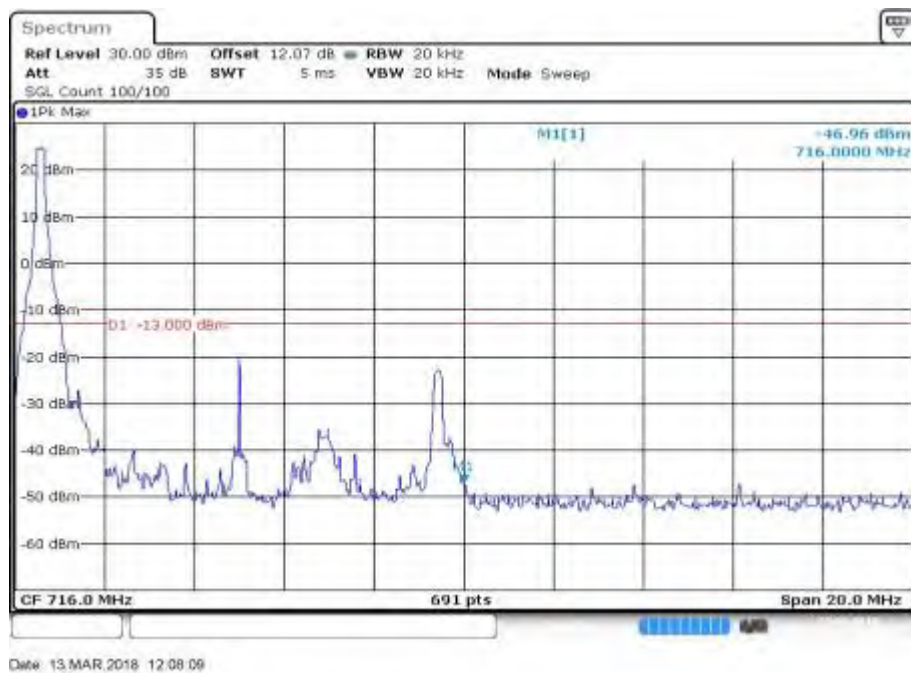


Fig.1



Fig.4

7 Frequency Stability

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
12	1.4	-30	-0.031	LV	-0.004
		-20	-0.003		
		-10	0.017		
		0	-0.021		
		10	0.004	HV	0.007
		20	-0.012		
		30	0.003		
		40	0.010		
	3	50	0.009	LV	-0.006
		-30	0.001		
		-20	-0.002		
		-10	-0.007		
		0	-0.008	HV	-0.001
		10	0.001		
		20	-0.004		
		30	-0.007		
	5	40	0.002	LV	-0.004
		50	-0.002		
		-30	-0.004		
		-20	-0.006		
		-10	-0.010	HV	-0.010
		0	-0.009		
		10	-0.003		
		20	-0.011		
	10	30	0.003	LV	-0.004
		40	0.001		
		50	-0.002		
		-30	-0.006		
		-20	-0.002		
		-10	0.002		
		0	-0.006		
		10	0.000		



No.: SRTC2018-9004(F)-18030601(C)
FCC ID: 2AOYWH1A1000

		20	0.000	HV	0.003
		30	-0.006		
		40	-0.005		
		50	-0.008		

LTE Band 13

1 RF Power Output

Test result:

Antenna Gain:-2.00dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	779.5	23205	5	1	0	22.1	20.1
				1	24	22.4	20.4
				12	6	21.4	19.4
				25	0	21.4	19.4
	782	23230		1	0	22.4	20.4
				1	24	22.5	20.5
				12	6	21.5	19.5
				25	0	21.4	19.4
	784.5	23255		1	0	22.4	20.4
				1	24	22.6	20.6
				12	6	21.5	19.5
				25	0	21.5	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	779.5	23205	5	1	0	21.3	19.3
				1	24	21.4	19.4
				12	6	20.4	18.4
				25	0	20.5	18.5
	782	23230		1	0	21.6	19.6
				1	24	21.8	19.8
				12	6	20.6	18.6
				25	0	20.5	18.5
	784.5	23255		1	0	21.5	19.5
				1	24	21.7	19.7
				12	6	20.6	18.6
				25	0	20.6	18.6



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	782	23230	10	1	0	22.3	20.3
				1	49	22.2	20.2
				24	12	21.6	19.6
				50	0	21.4	19.4

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	782	23230	10	1	0	21.9	19.9
				1	24	21.8	19.8
				12	6	20.6	18.6
				25	0	20.5	18.5

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	779.5	23205	5	25	0	4.515	Fig.4	4.493	Fig.8

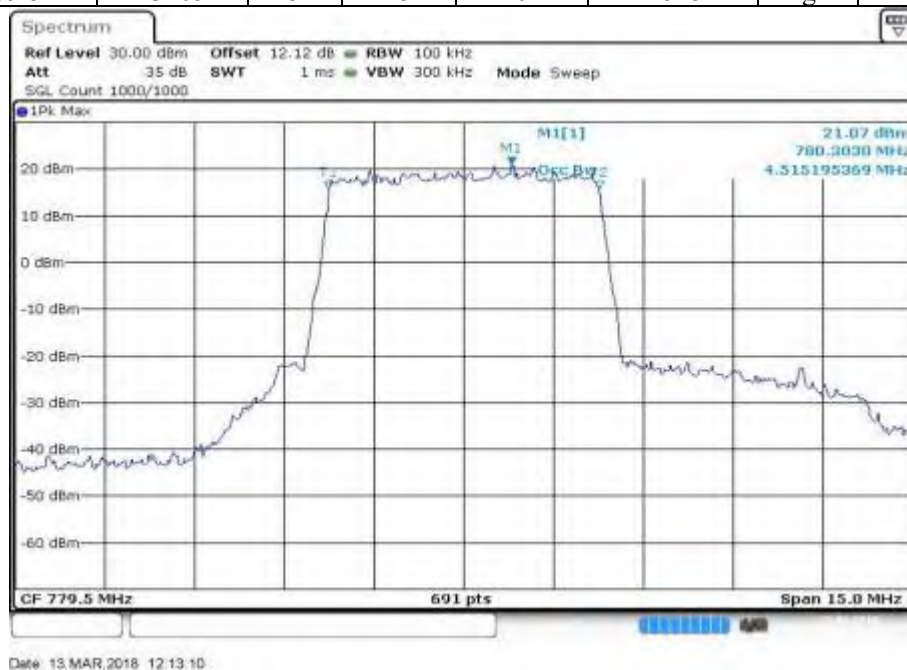


Fig.4

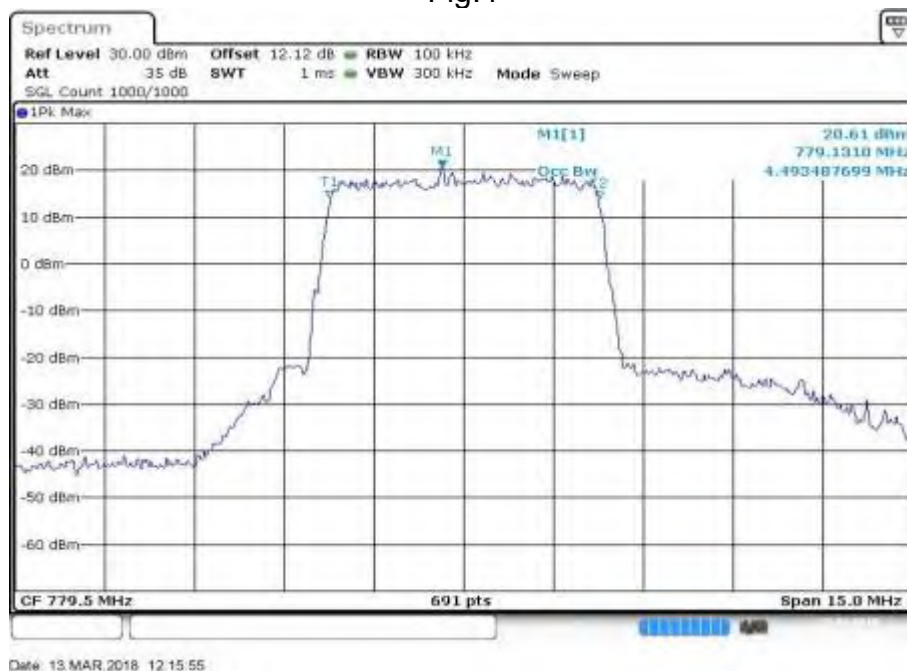


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	782	23230	5	25	0	4.515	Fig.4	4.537	Fig.8

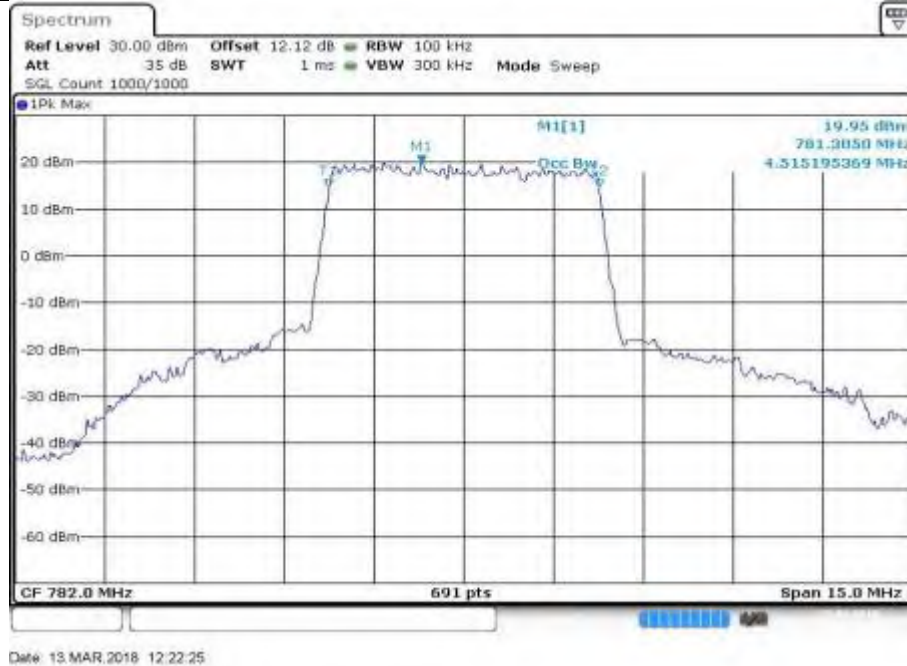


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	784.5	23255	5	25	0	4.515	Fig.4	4.515	Fig.8

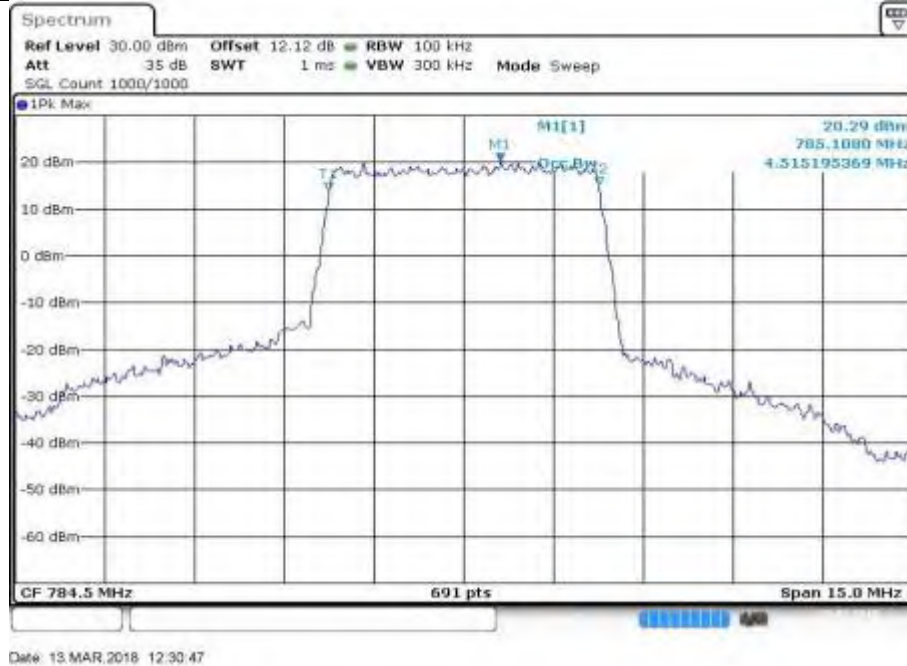


Fig.4

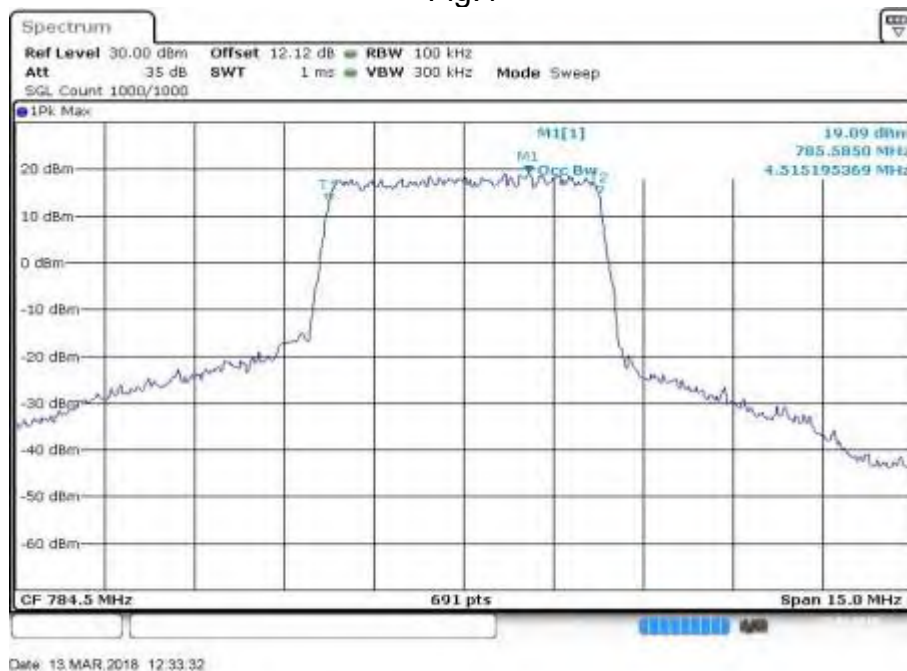


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.030	Fig.4	9.030	Fig.8

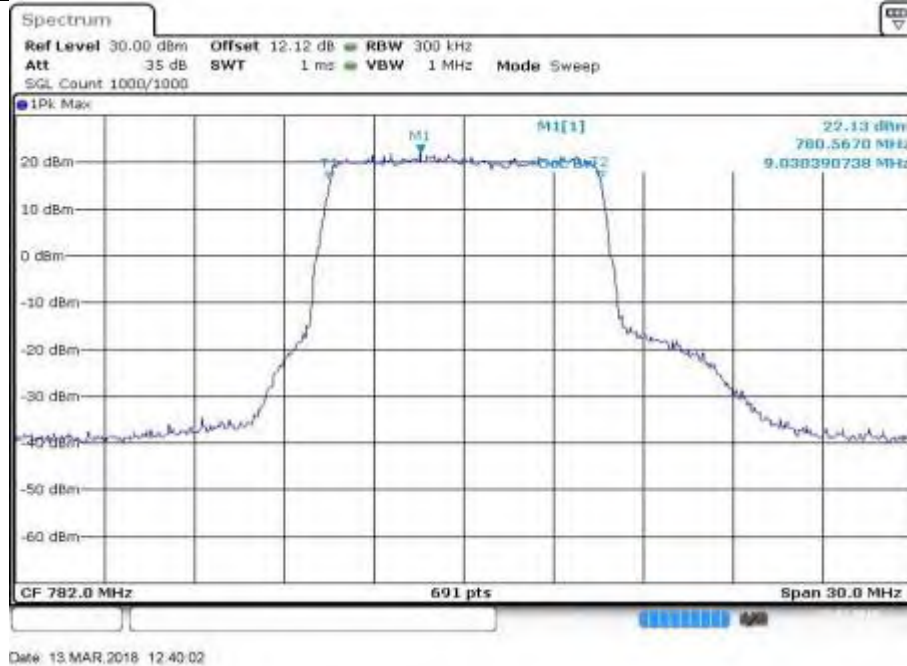


Fig.4

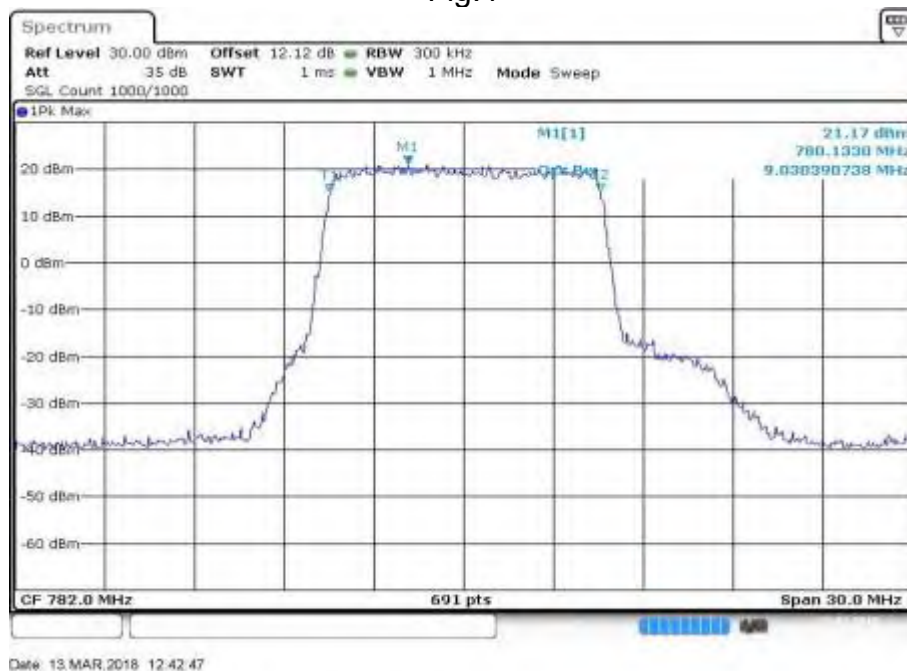


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.074	Fig.4	9.074	Fig.8

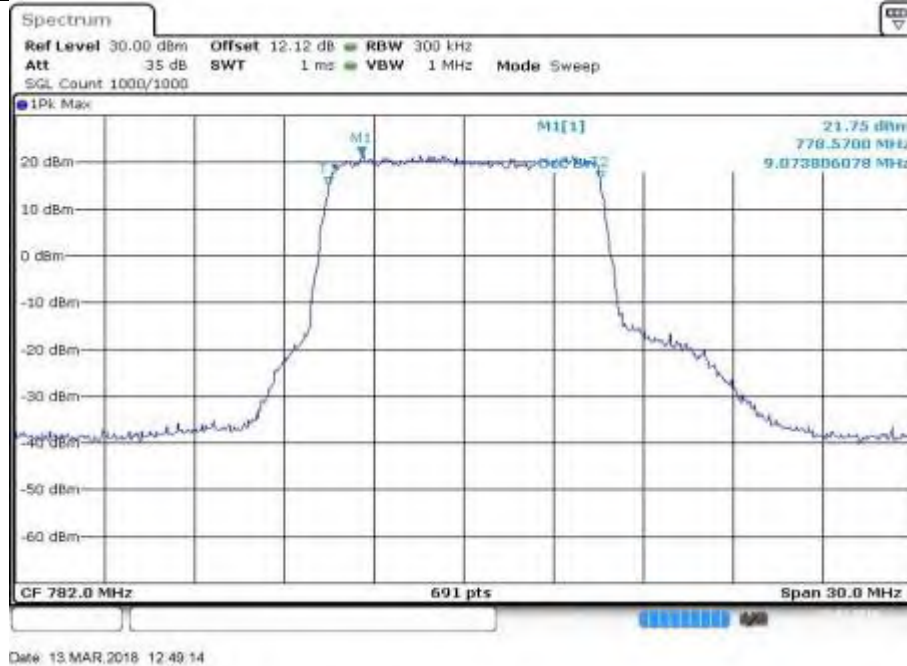


Fig.4

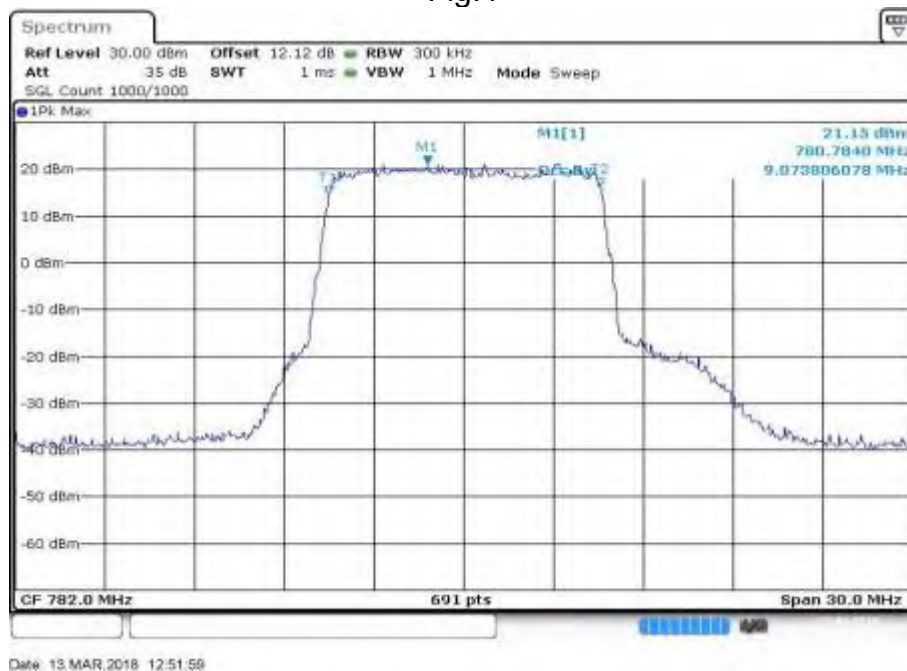


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.030	Fig.4	9.030	Fig.8

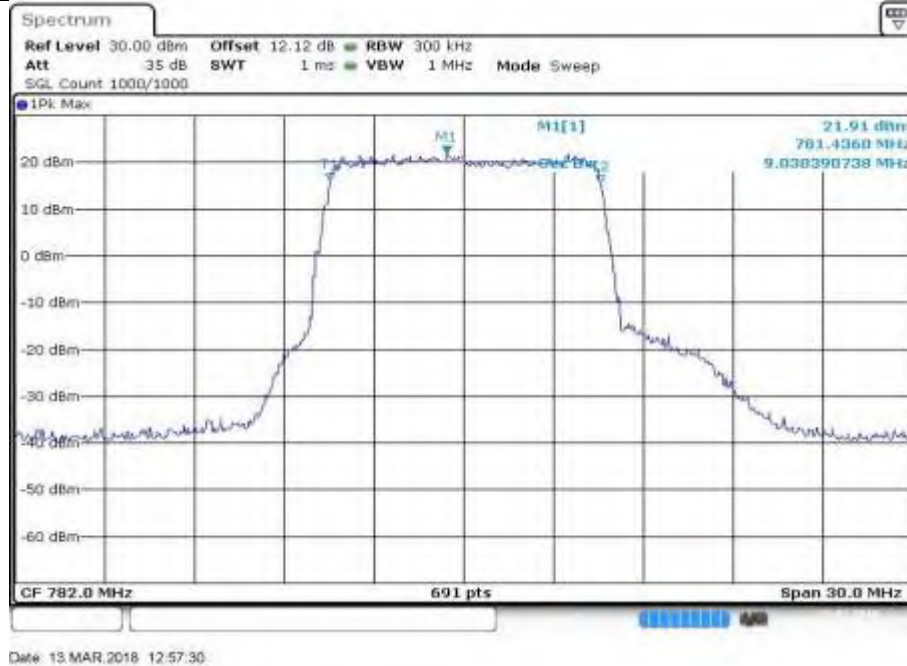


Fig.4

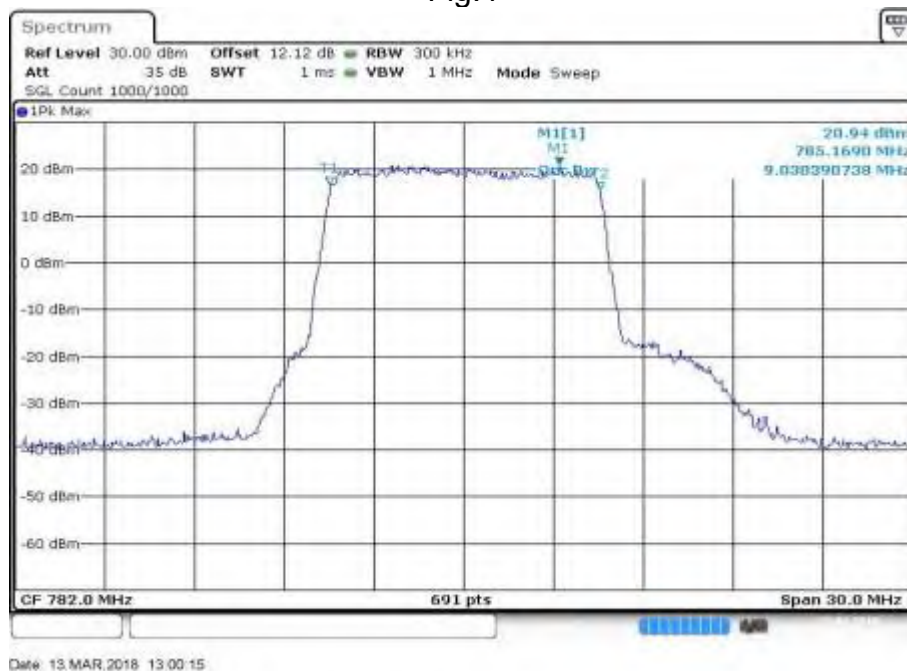


Fig.8

3 Emission Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	779.5	23205	5	25	0	4.971	Fig.4	4.949	Fig.8

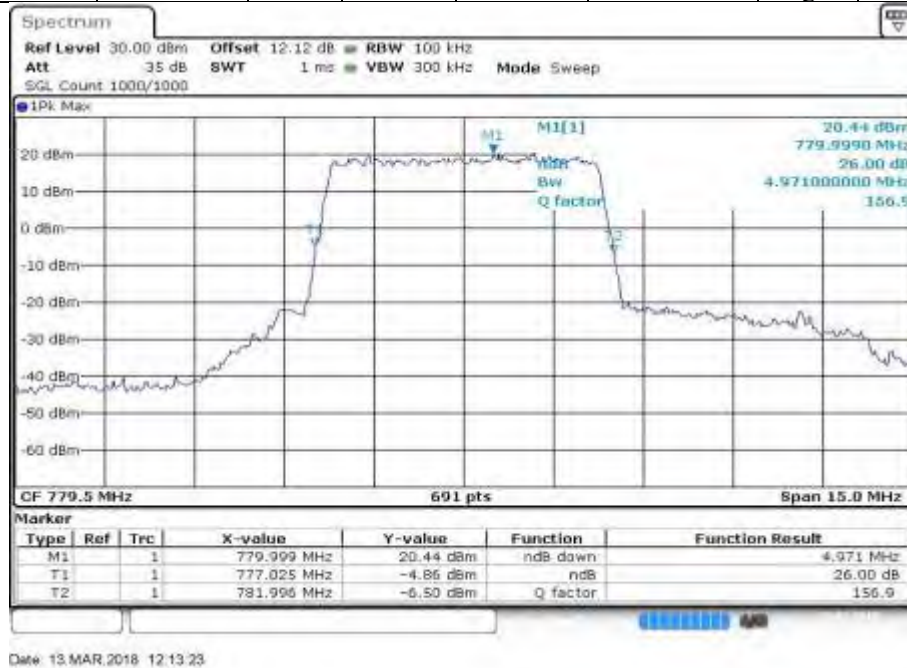


Fig.4

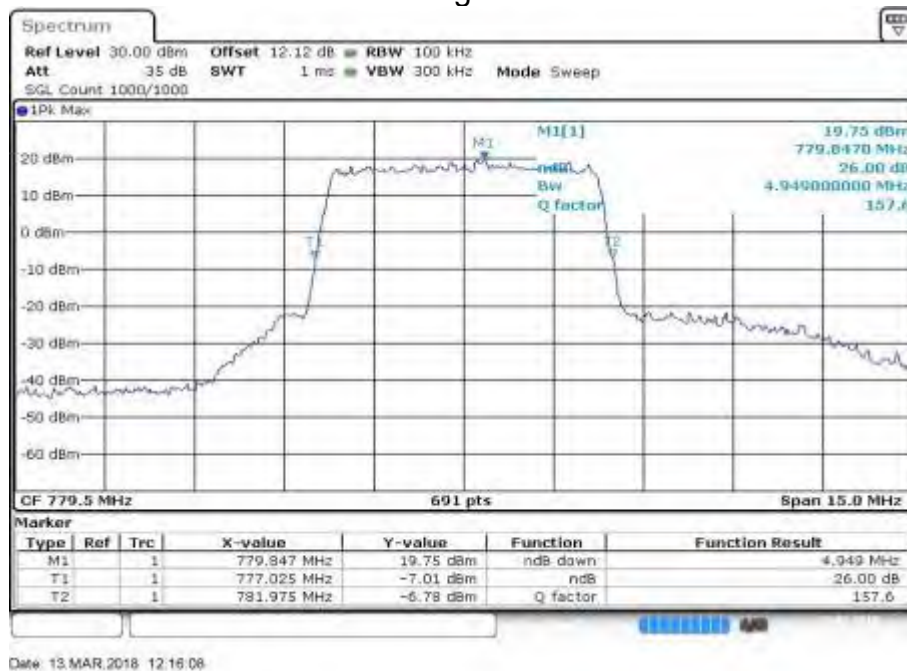


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	782	23230	5	25	0	4.949	Fig.4	4.971	Fig.8

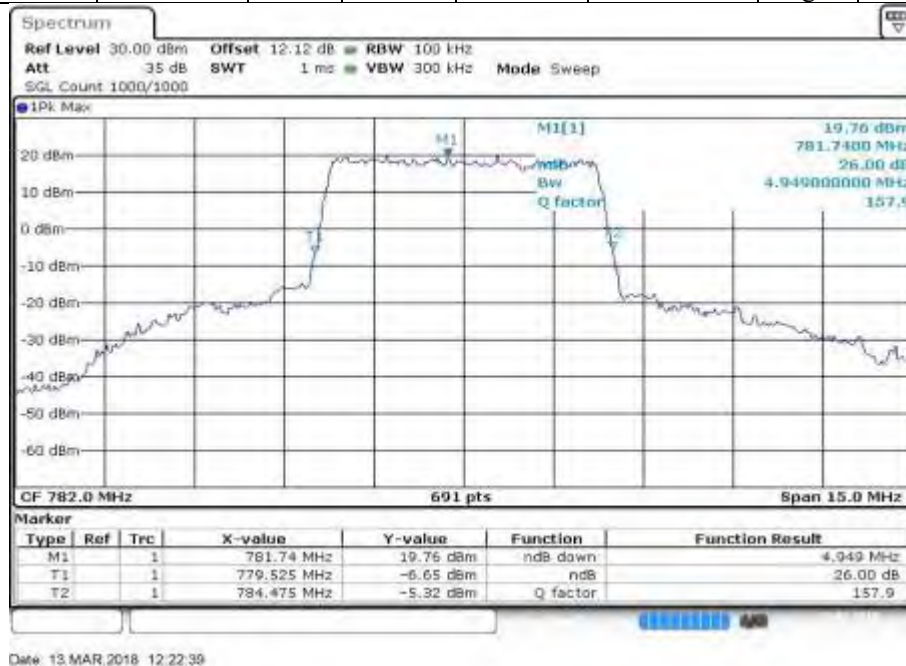


Fig.4

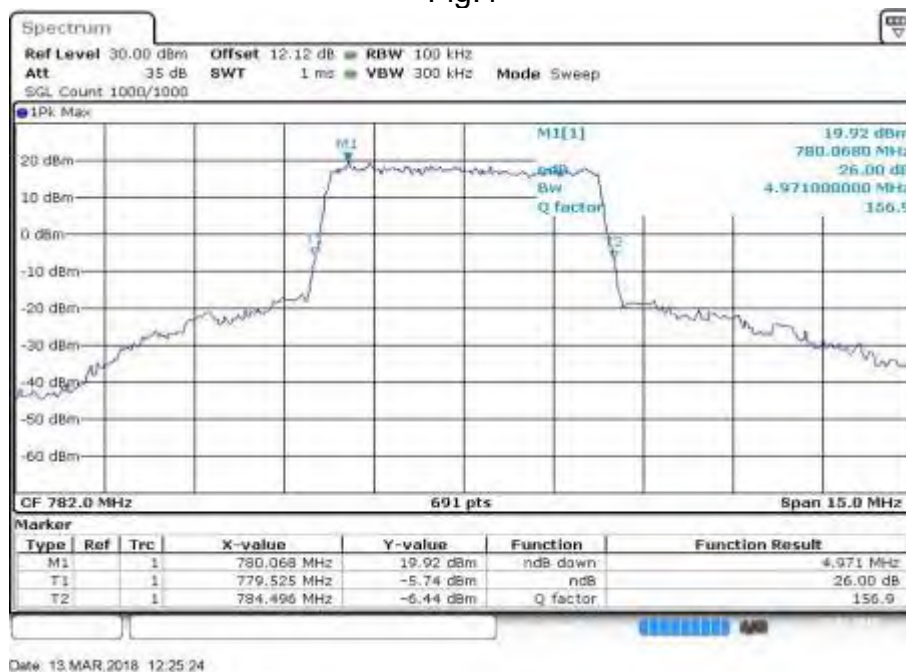


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	784.5	23255	5	25	0	4.971	Fig.4	4.971	Fig.8

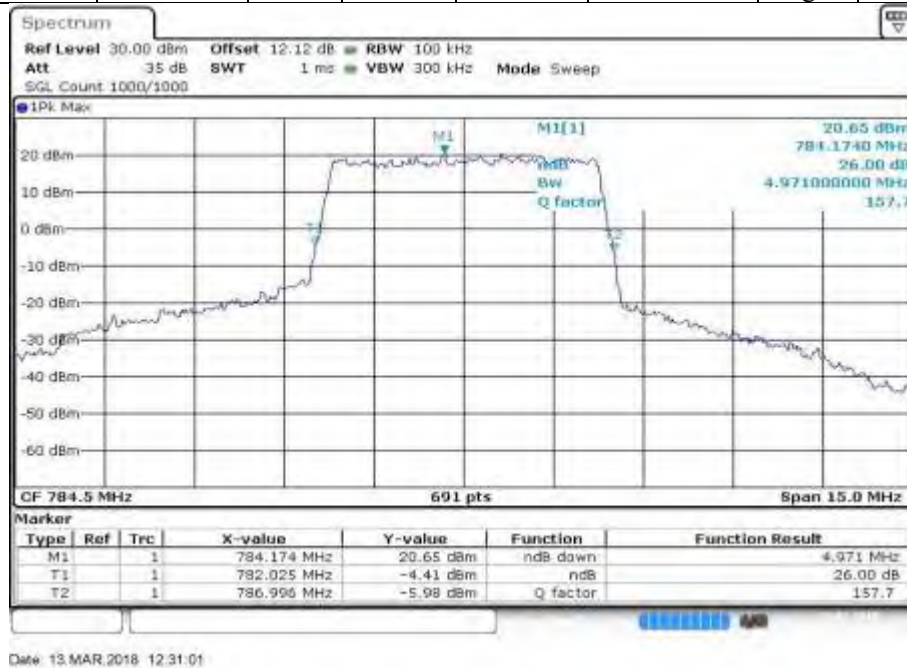


Fig.4

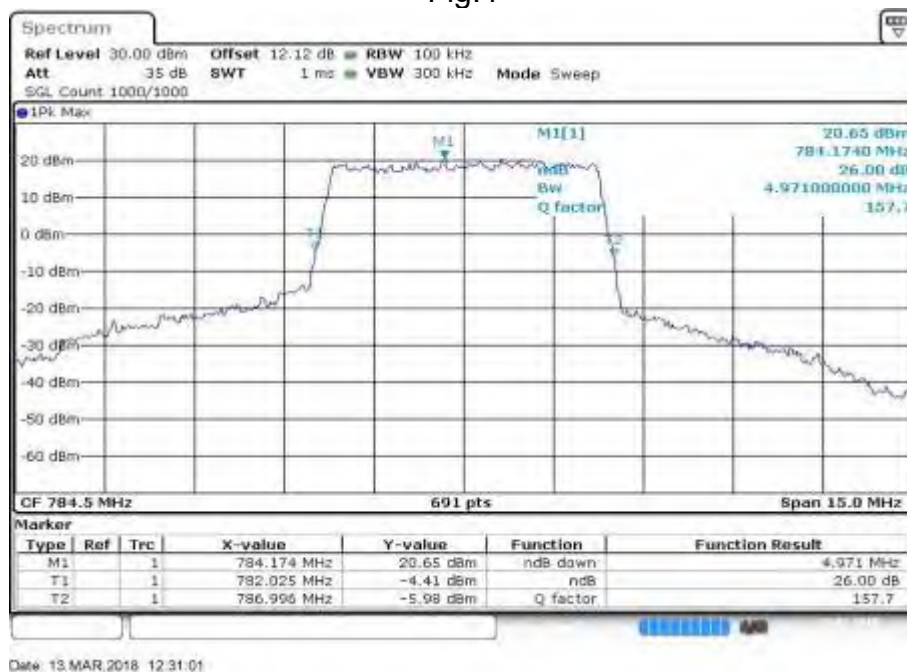


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.986	Fig.4	9.986	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.986	Fig.4	9.986	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
13	782	23230	10	50	0	9.942	Fig.4	9.942	Fig.8



Fig.4

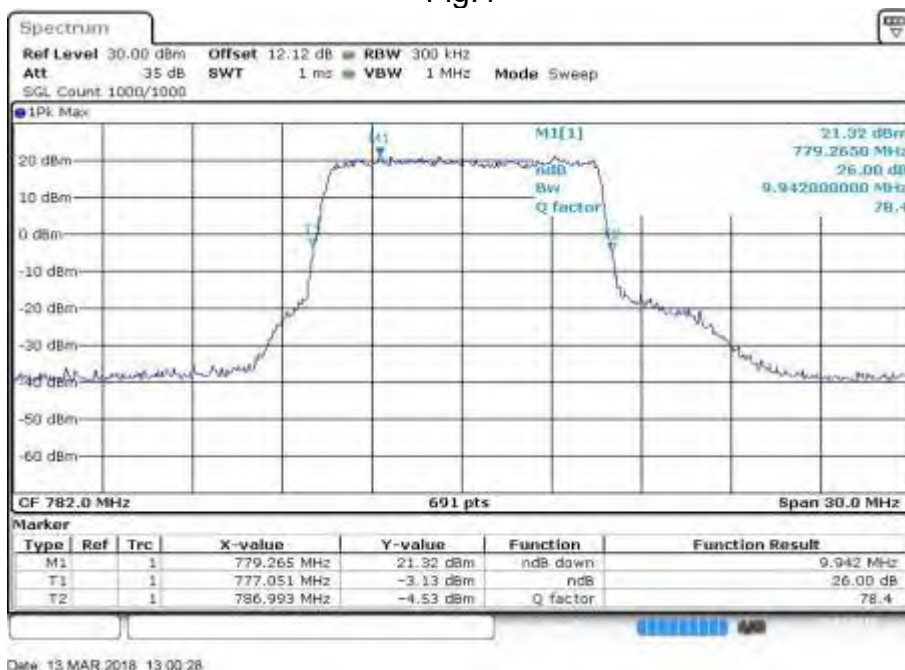
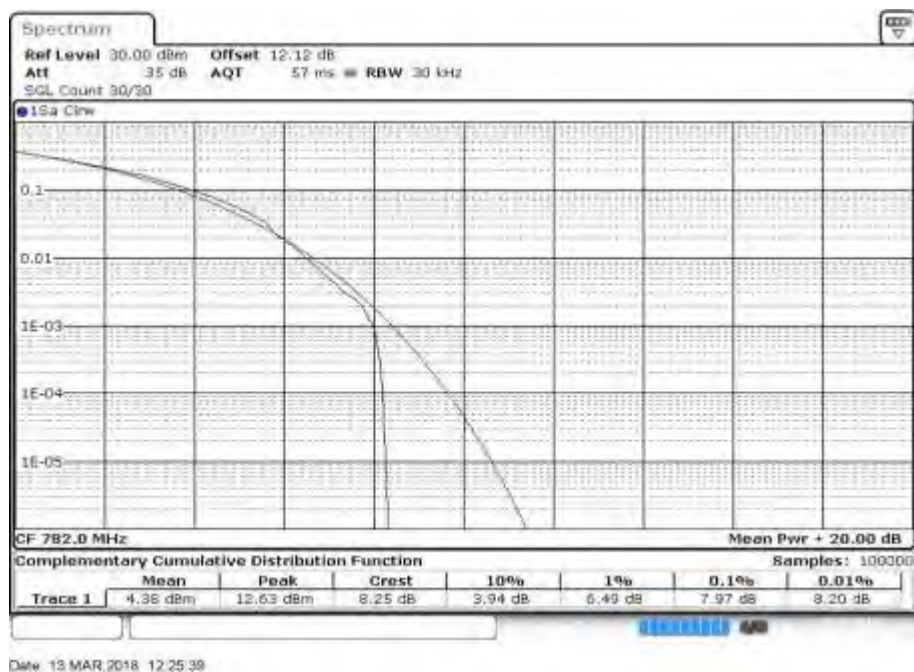


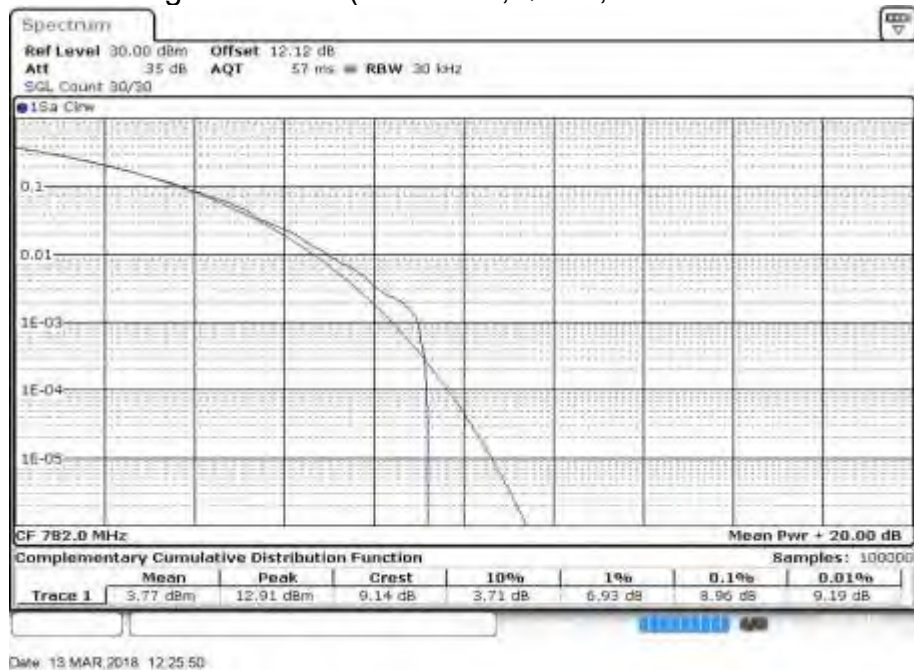
Fig.8

4 Peak-Average Ratio

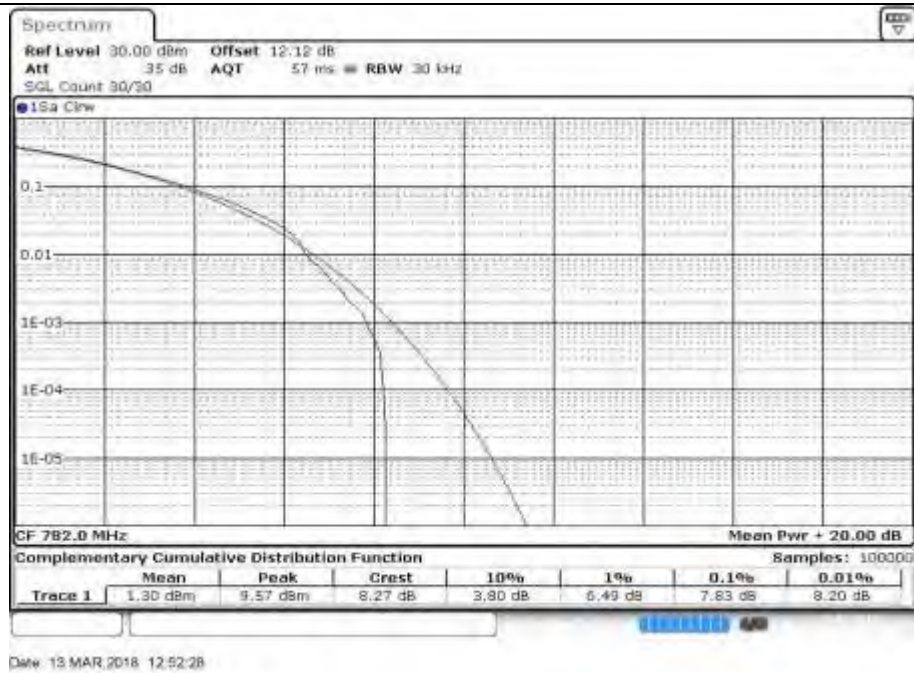
Test result:



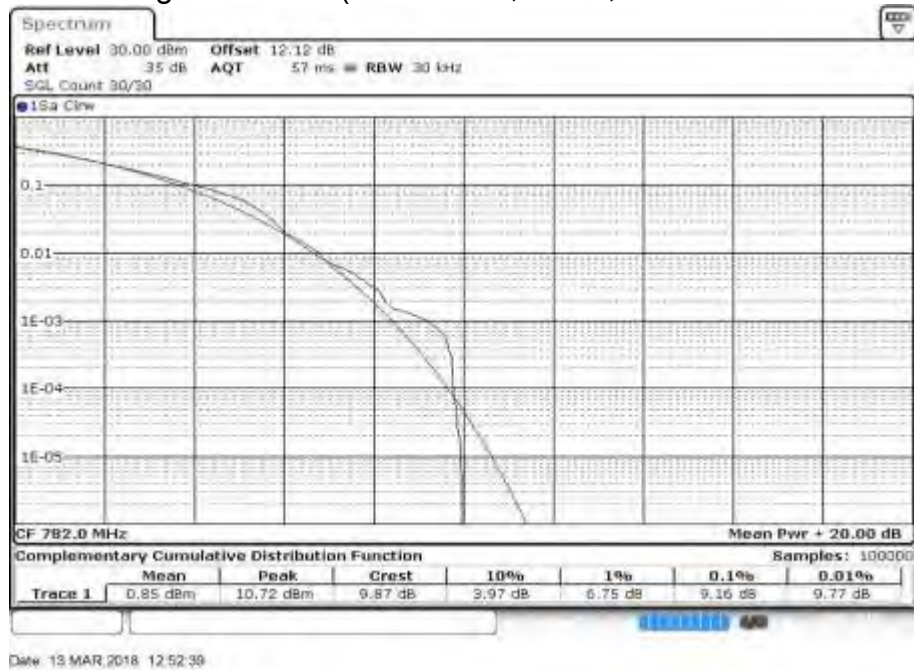
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 13-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 13-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 13-mid Channel)



Peak-Average Ratio Plot(10MHz BW,16QAM,Band 13-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
13	782	23230	10	50	0	Fig.4	Fig.8

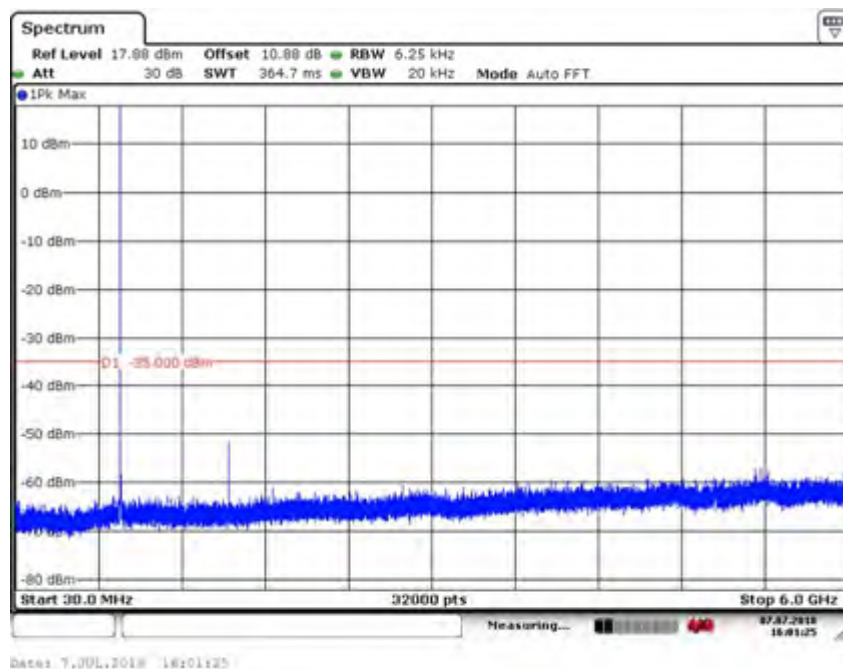


Fig.4

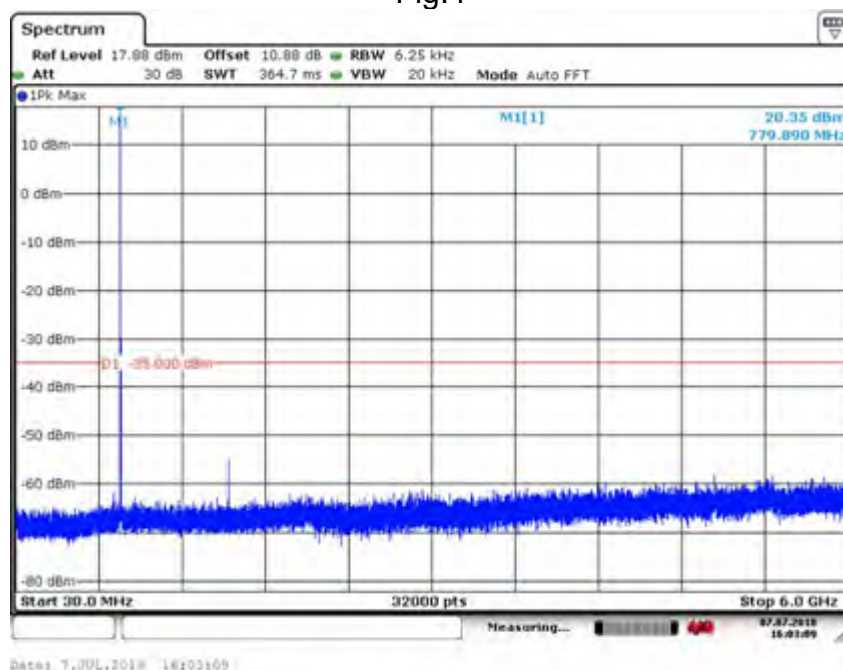


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
13	782	23230	10	50	0	Fig.4	Fig.8

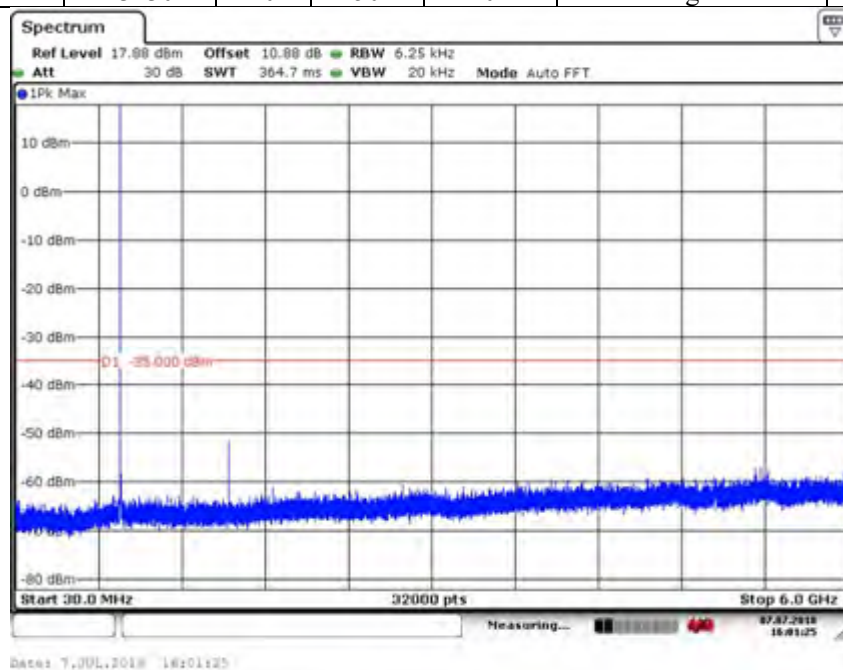


Fig.4

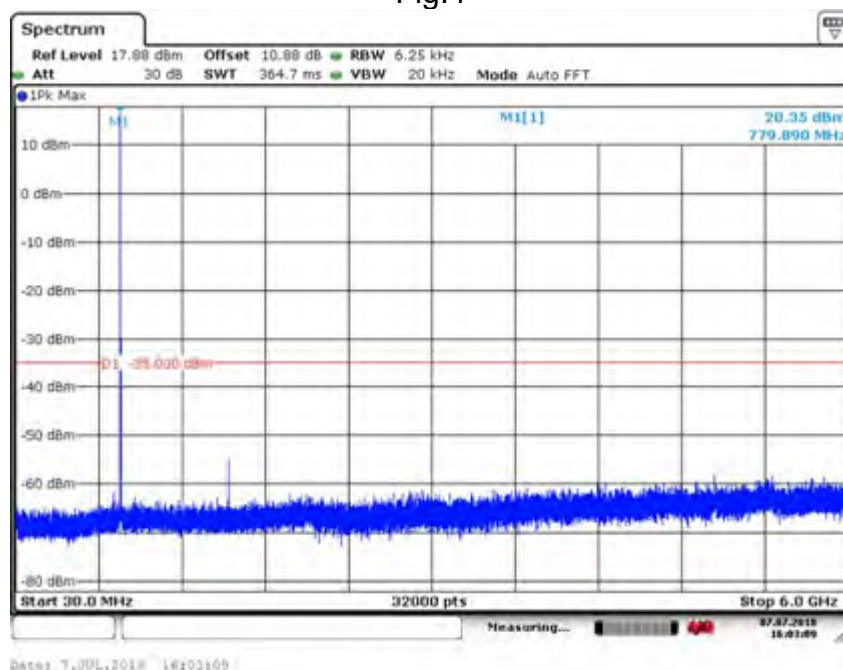


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
13	782	23230	10	50	0	Fig.4	Fig.8

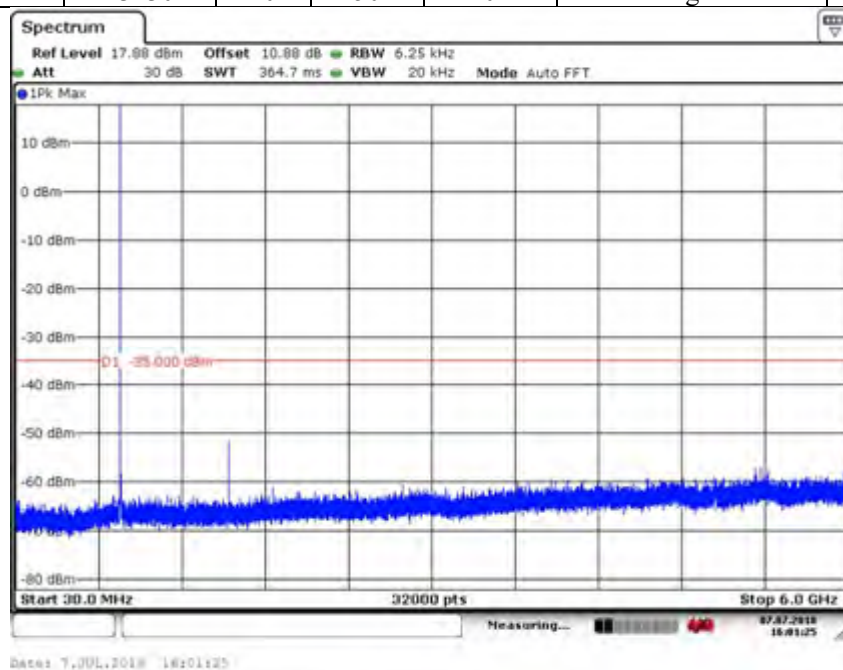


Fig.4

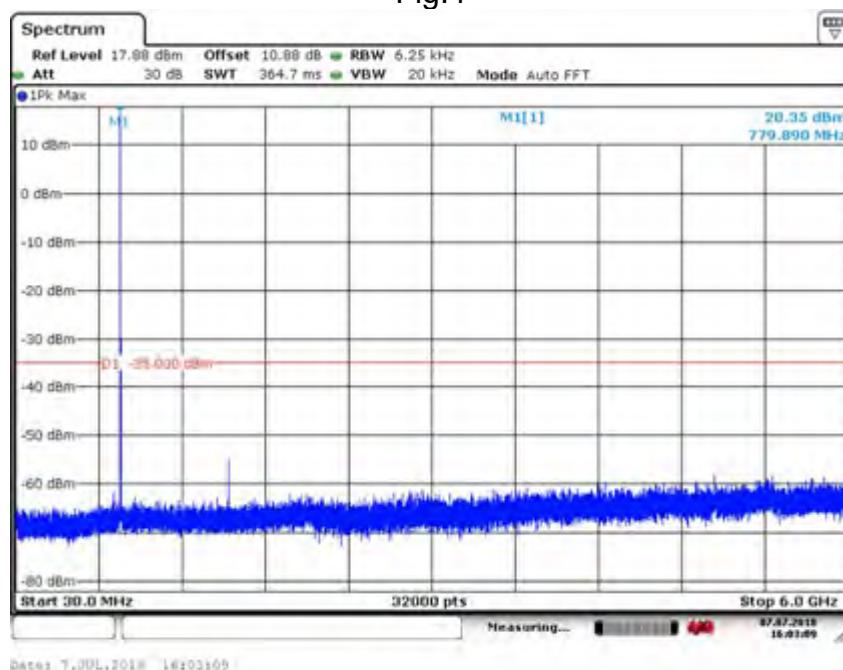


Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
13	779.5	23205	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 EdgesPlot
						QPSK
13	784.5	23255	5	1	0	Fig.1
				25	0	Fig.4



Fig.1



Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
13	782	23230	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 EdgesPlot
						QPSK
13	782	23230	10	1	0	Fig.1
				50	0	Fig.4



Fig.1



Fig.4

7 Frequency Stability

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
13	5	-30	0.004	LV	-0.003
		-20	0.000		
		-10	-0.003		
		0	-0.007		
		10	0.002		
		20	-0.008	HV	0.004
		30	-0.002		
		40	0.001		
		50	0.006		
	10	-30	-0.006	LV	-0.006
		-20	0.001		
		-10	-0.005		
		0	-0.004		
		10	0.002		
		20	0.000	HV	-0.003
		30	-0.006		
		40	-0.006		
		50	-0.006		

LTE Band 17

1 RF Power Output

Test result:

Antenna Gain:-2.25dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	706.5	23755	5	1	0	22.0	19.8
				1	24	21.7	19.5
				12	6	20.8	18.6
				25	0	20.9	18.7
	710	23790		1	0	21.8	19.6
				1	24	21.9	19.7
				12	6	20.8	18.6
				25	0	20.9	18.7
	713.5	23825		1	0	21.8	19.6
				1	24	21.8	19.6
				12	6	20.9	18.7
				25	0	20.8	18.6

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	706.5	23755	5	1	0	20.9	18.7
				1	24	20.7	18.5
				12	6	19.8	17.6
				25	0	19.9	17.7
	710	23790		1	0	21.0	18.8
				1	24	21.1	18.9
				12	6	19.9	17.7
				25	0	19.9	17.7
	713.5	23825		1	0	20.9	18.7
				1	24	20.9	18.7
				12	6	19.9	17.7
				25	0	19.9	17.7

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	709	23780	10	1	0	21.8	19.6
				1	49	21.7	19.5
				24	12	20.8	18.6
				50	0	21.0	18.8
	710	23790		1	0	21.8	19.6
				1	49	21.8	19.6
				24	12	20.9	18.7
				50	0	20.9	18.7
	711	23800		1	0	21.8	19.6
				1	49	21.8	19.6
				24	12	20.9	18.7
				50	0	20.9	18.7

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	709	23780	10	1	0	21.4	19.2
				1	49	21.4	19.2
				24	12	19.9	17.7
				50	0	19.9	17.7
	710	23790		1	0	21.0	18.8
				1	49	21.0	18.8
				24	12	19.9	17.7
				50	0	19.9	17.7
	711	23800		1	0	20.8	18.6
				1	49	21.1	18.9
				24	12	19.9	17.7
				50	0	19.9	17.7

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	706.5	23755	5	25	0	4.515	Fig.4	4.515	Fig.8

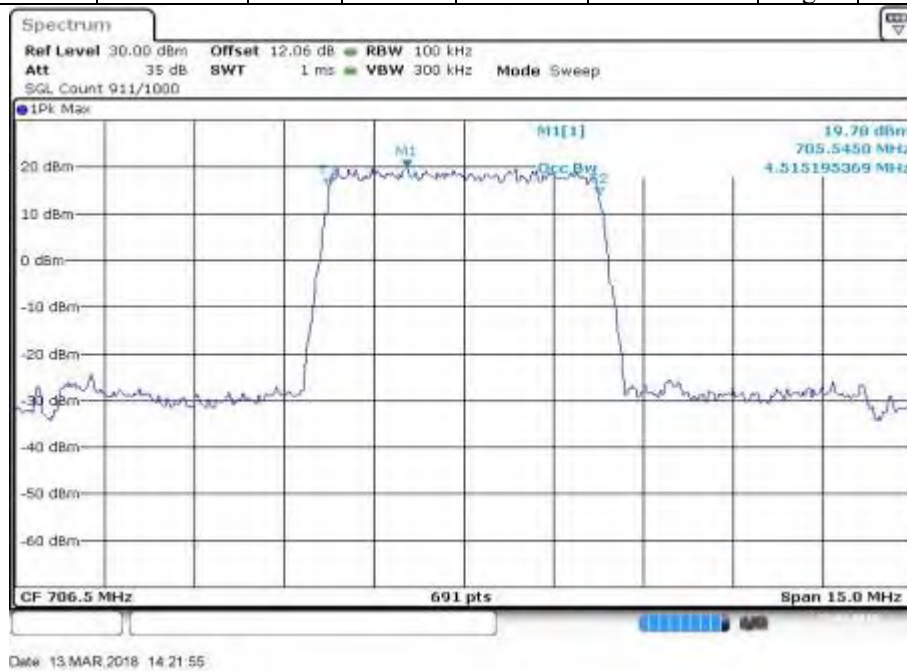


Fig.4

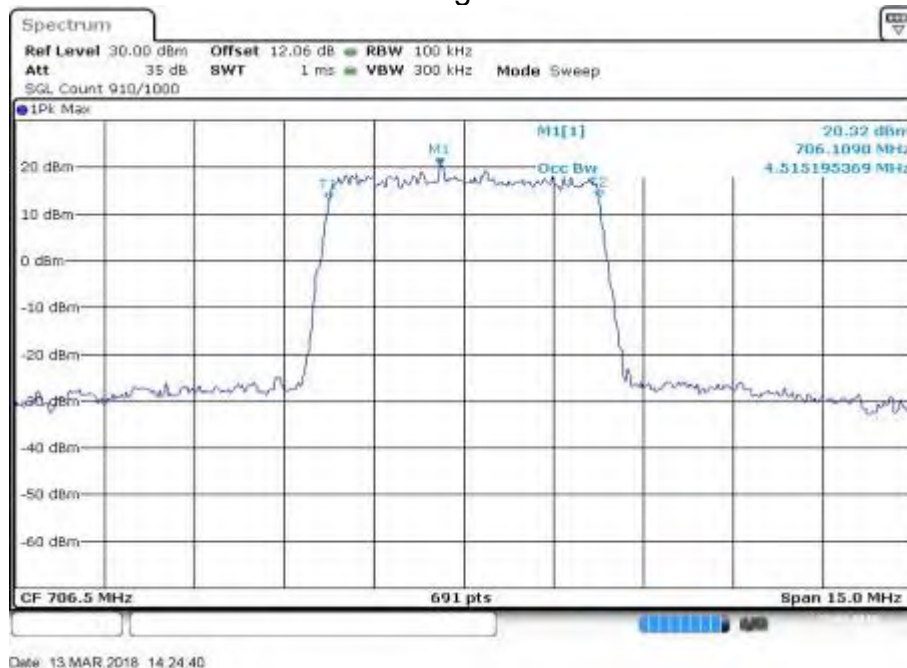


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	710	23790	5	25	0	4.515	Fig.4	4.537	Fig.8

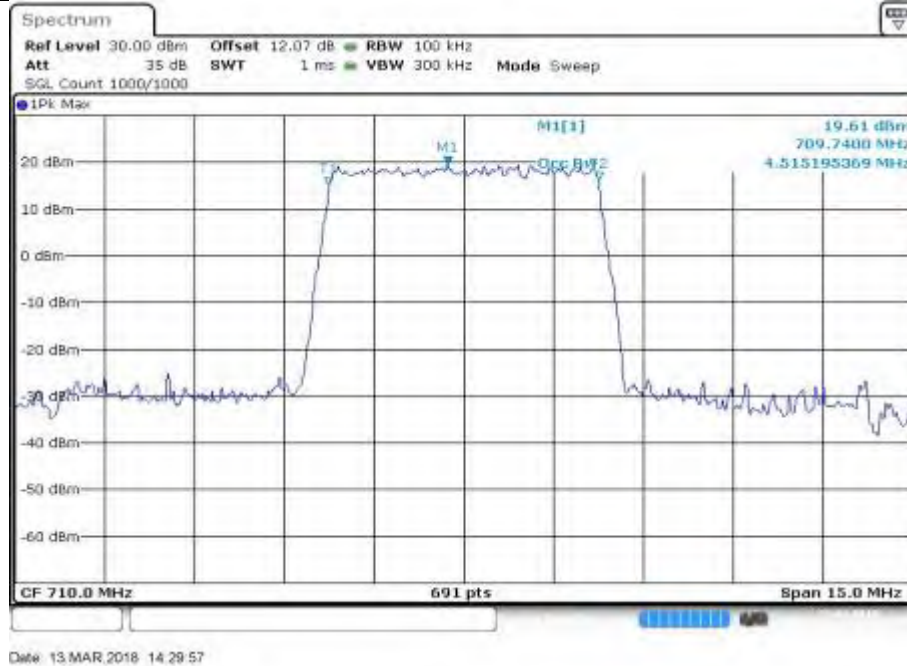


Fig.4

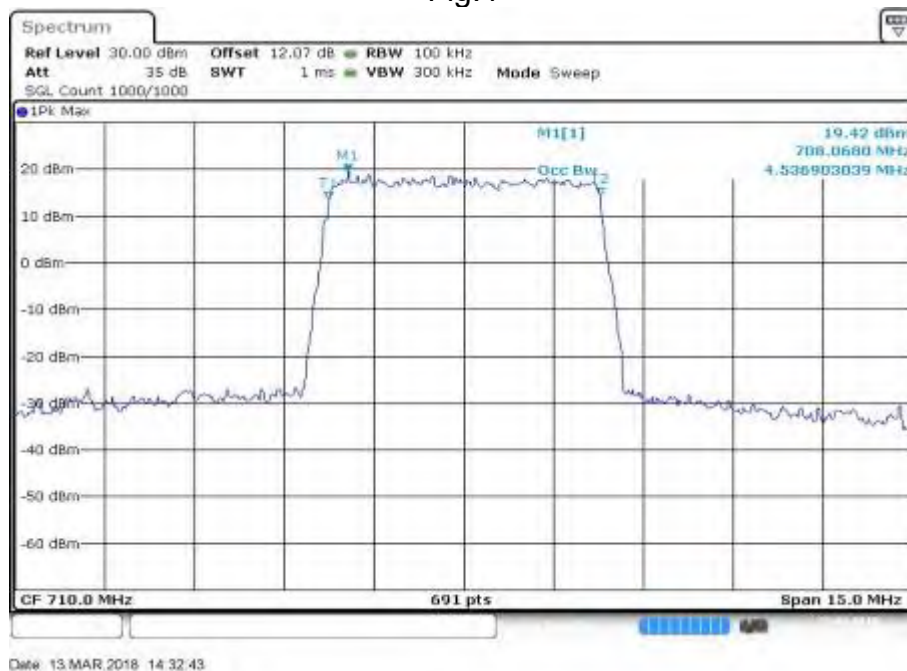


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	713.5	23825	5	25	0	4.515	Fig.4	4.515	Fig.8

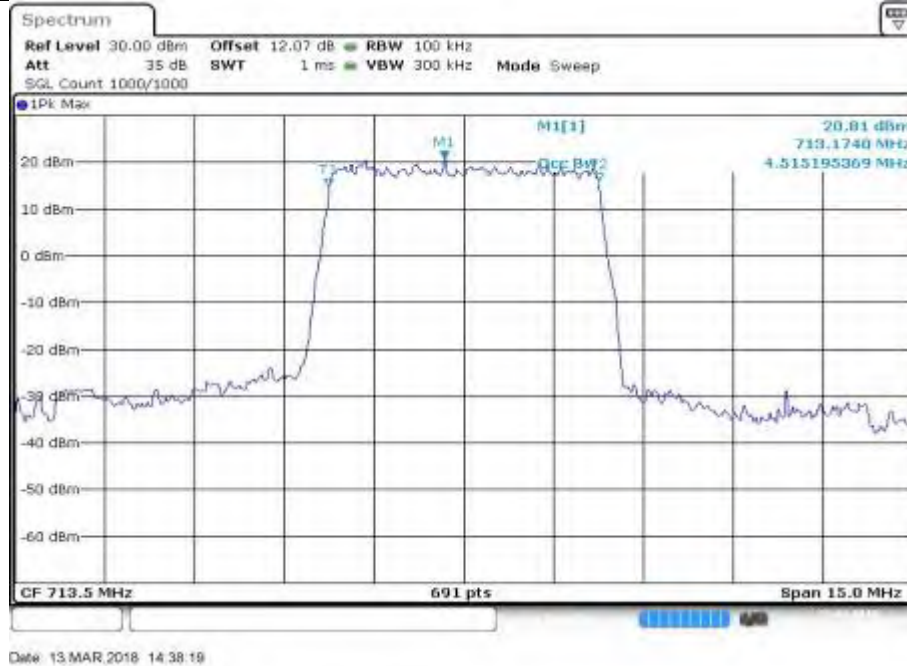


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	709	23780	10	50	0	9.074	Fig.4	9.030	Fig.8

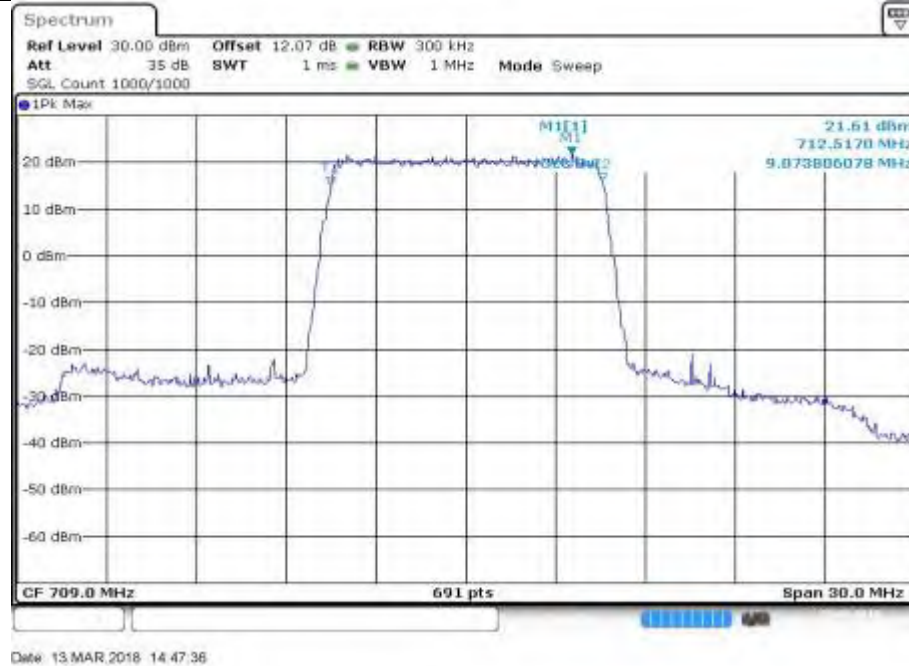


Fig.4

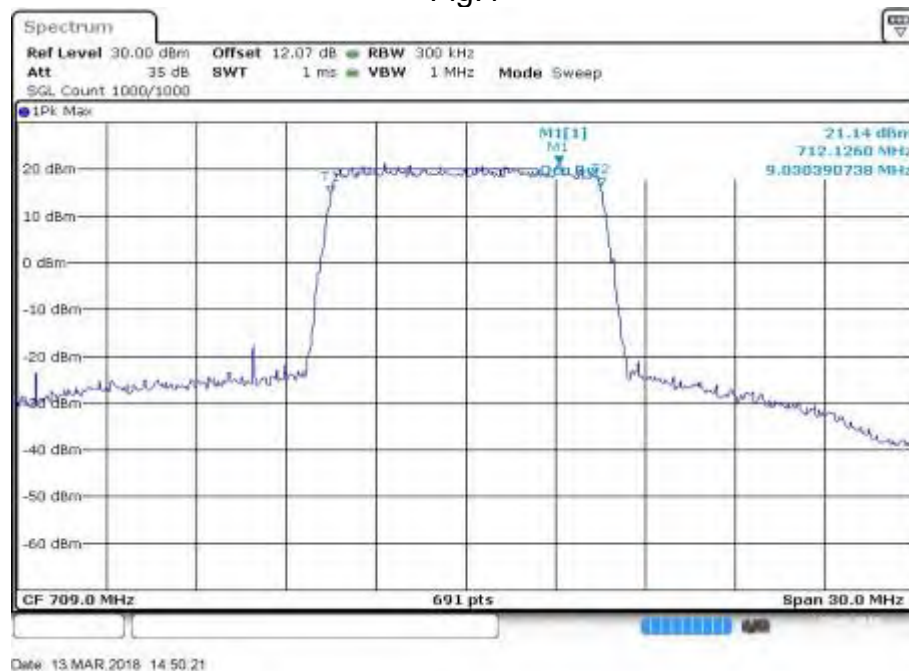


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	710	23790	10	50	0	9.030	Fig.4	9.074	Fig.8

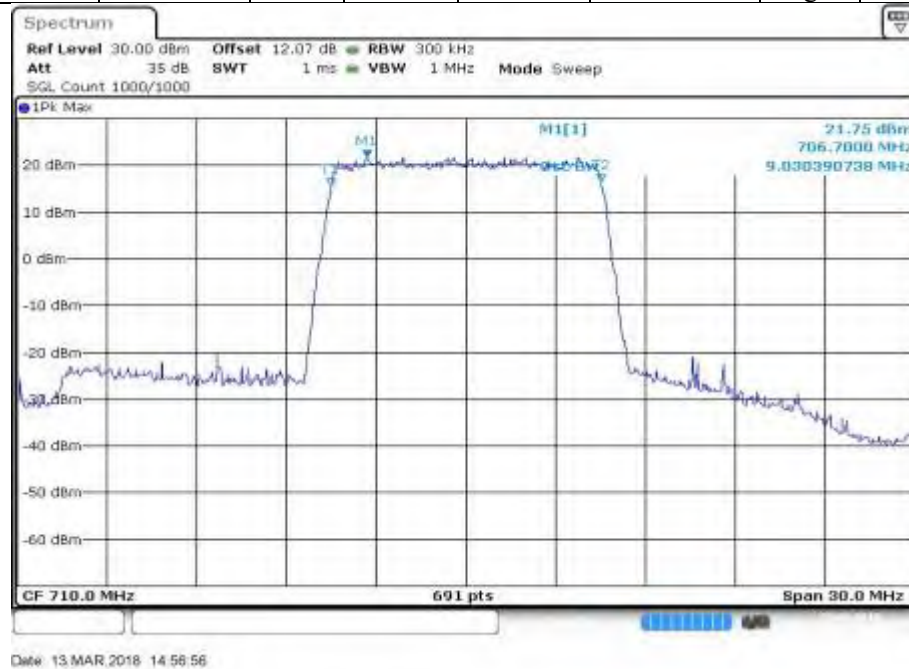


Fig.4

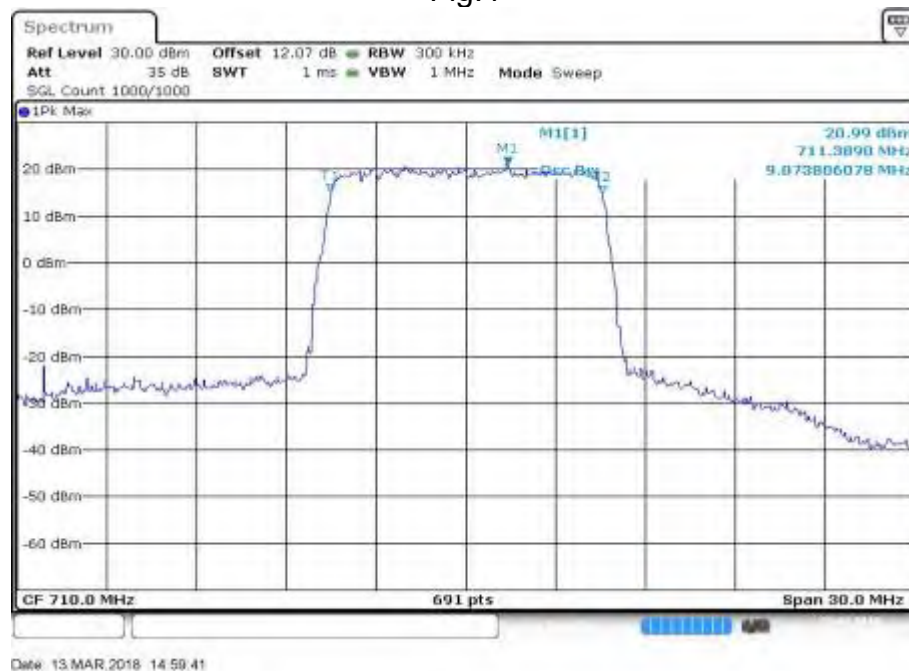


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
17	711	23800	10	50	0	9.030	Fig.4	9.030	Fig.8

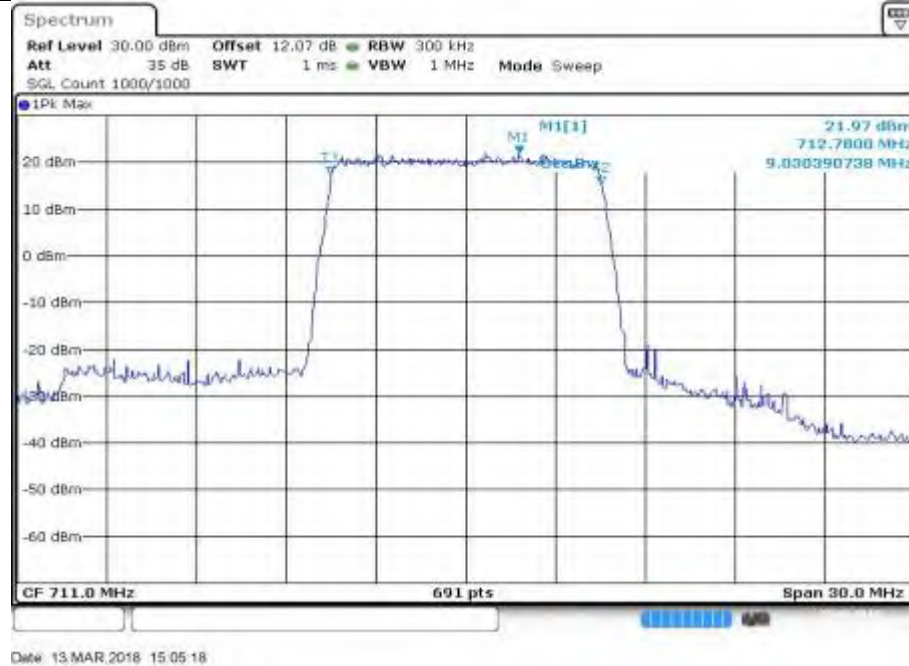


Fig.4

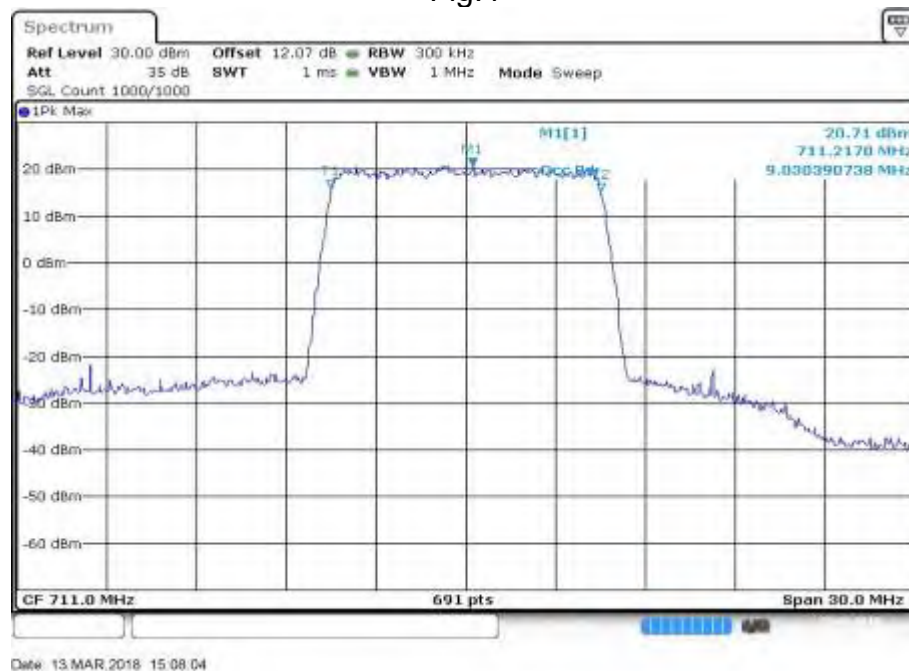


Fig.8

3 Emission Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	706.5	23755	5	25	0	4.993	Fig.4	4.949	Fig.8

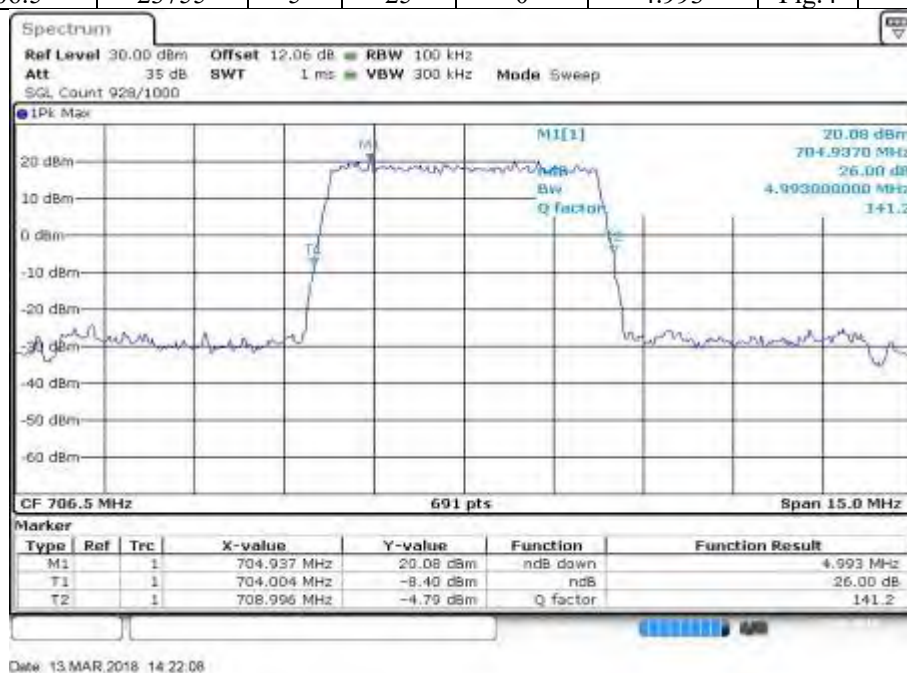


Fig.4

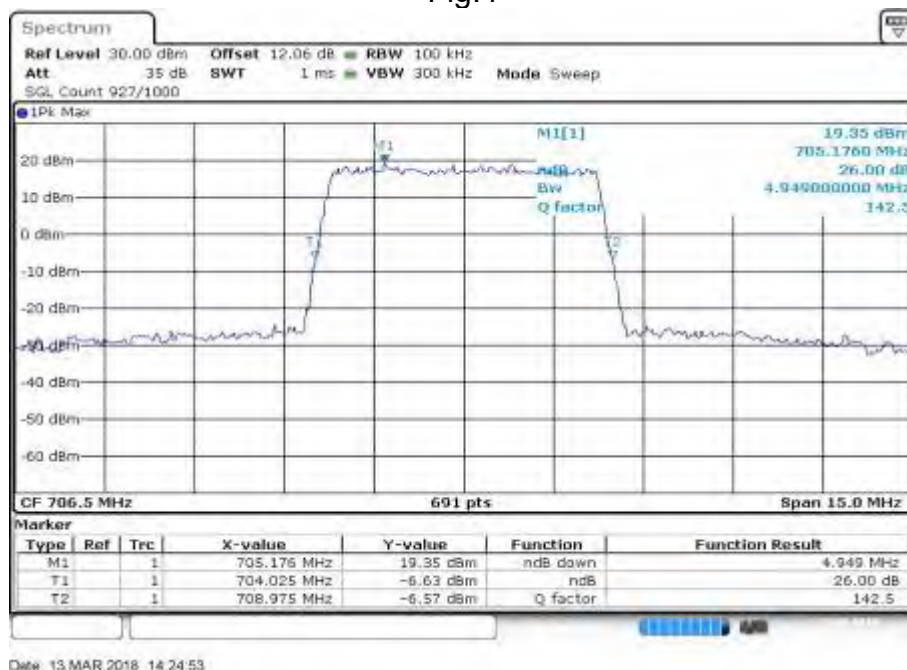


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	710	23790	5	25	0	4.971	Fig.4	4.971	Fig.8

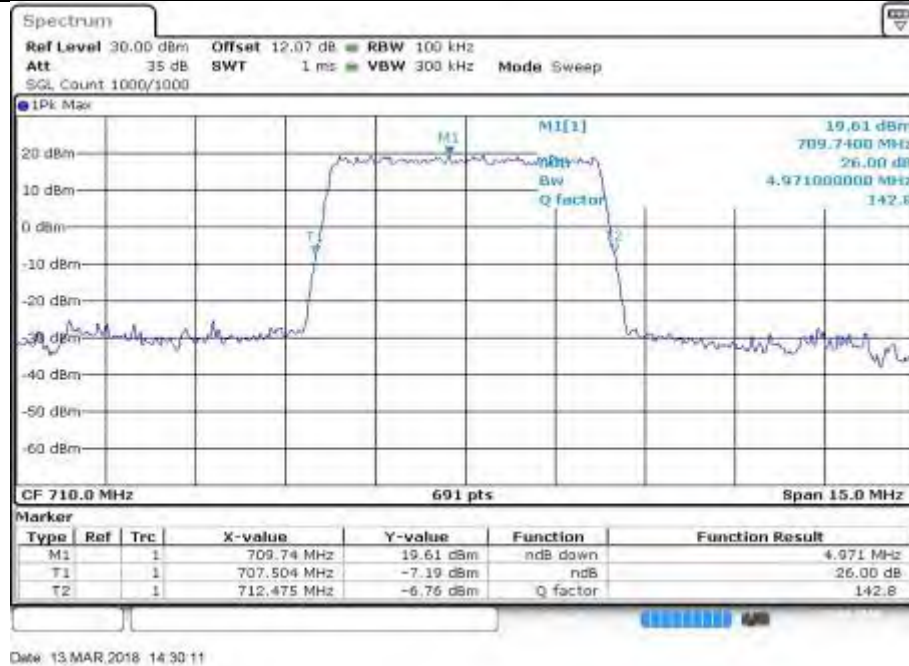


Fig.4

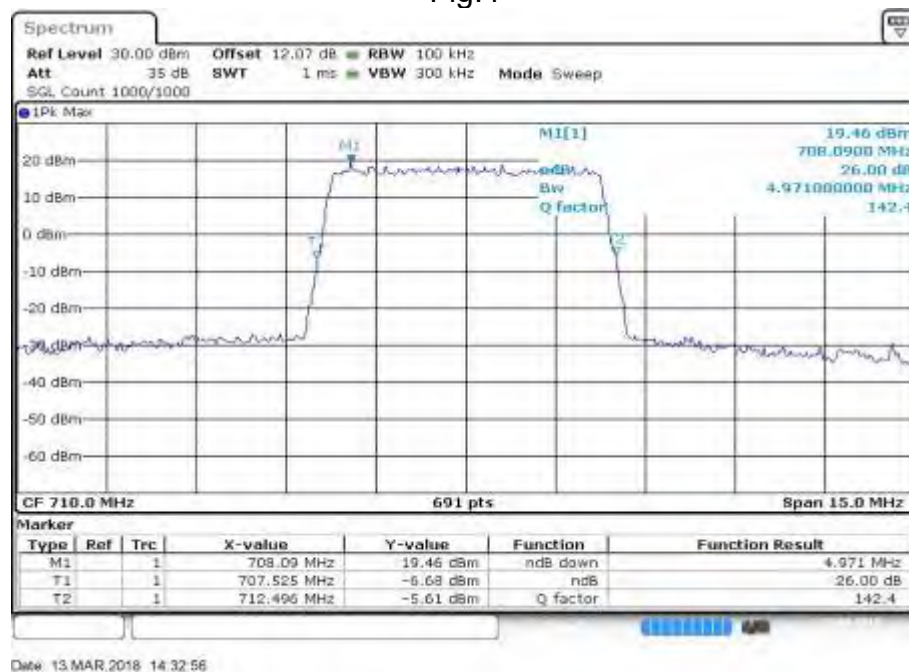


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	713.5	23825	5	25	0	4.949	Fig.4	4.993	Fig.8

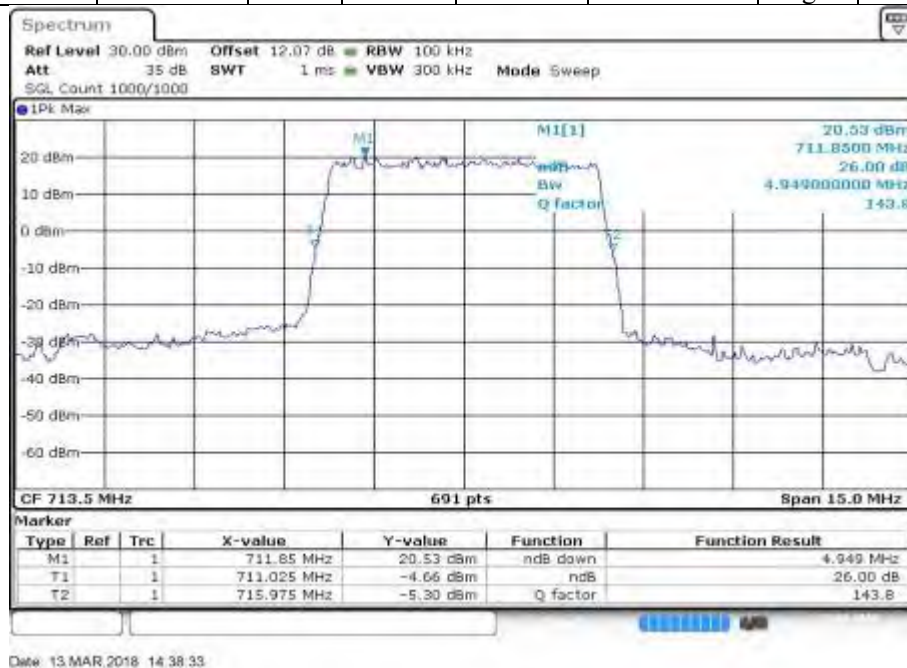


Fig.4

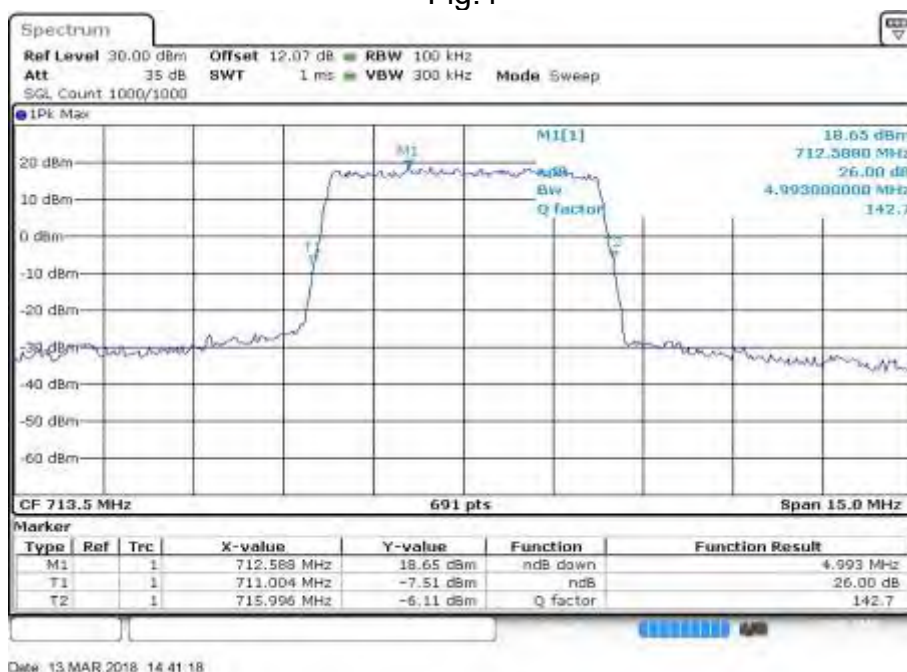


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	709	23780	10	50	0	9.986	Fig.4	9.986	Fig.8

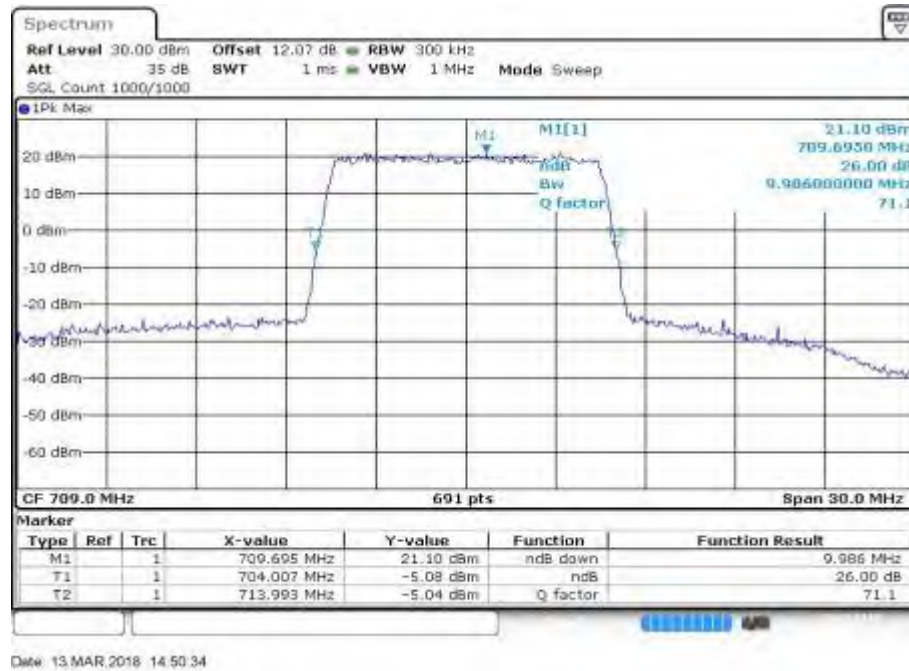


Fig.4

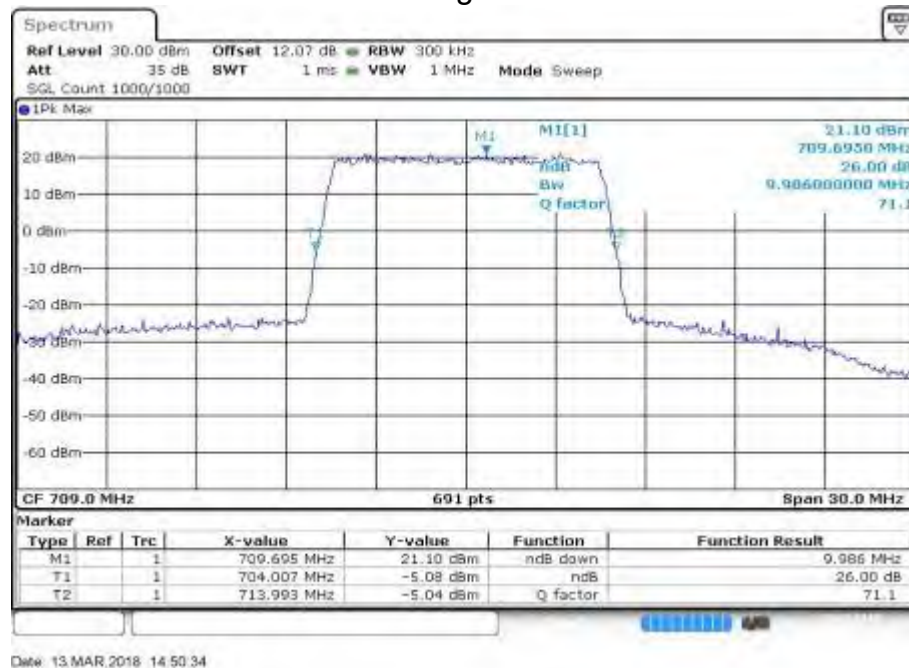


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	710	23790	10	50	0	9.986	Fig.4	9.986	Fig.8

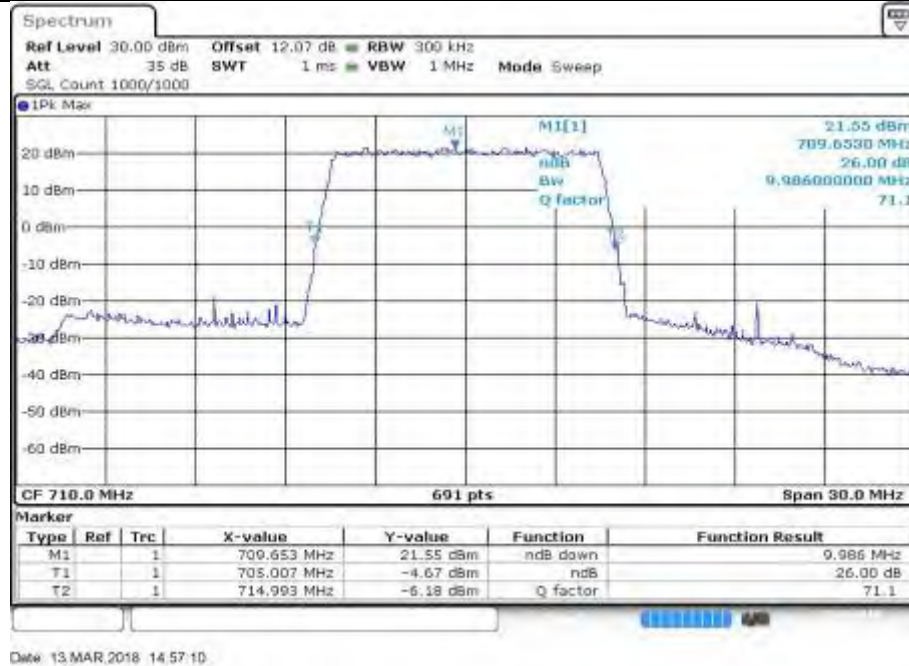


Fig.4

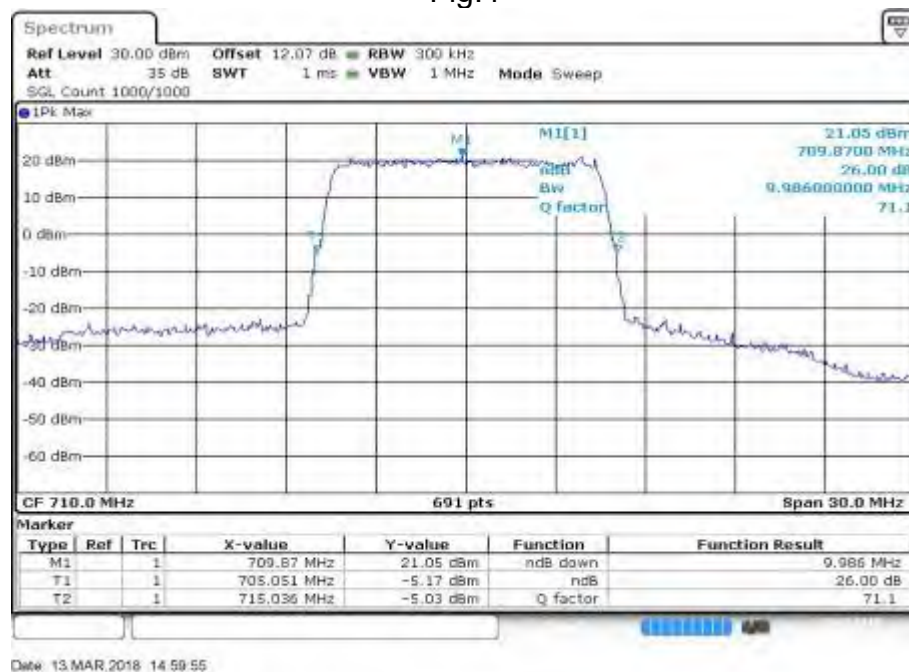


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
17	711	23800	10	50	0	9.942	Fig.4	9.942	Fig.8

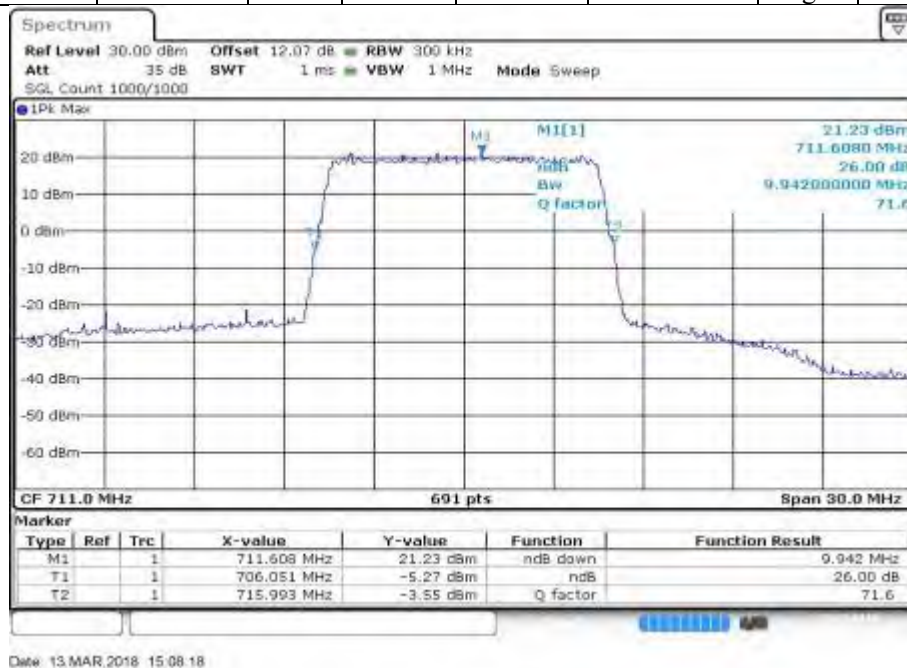


Fig.4

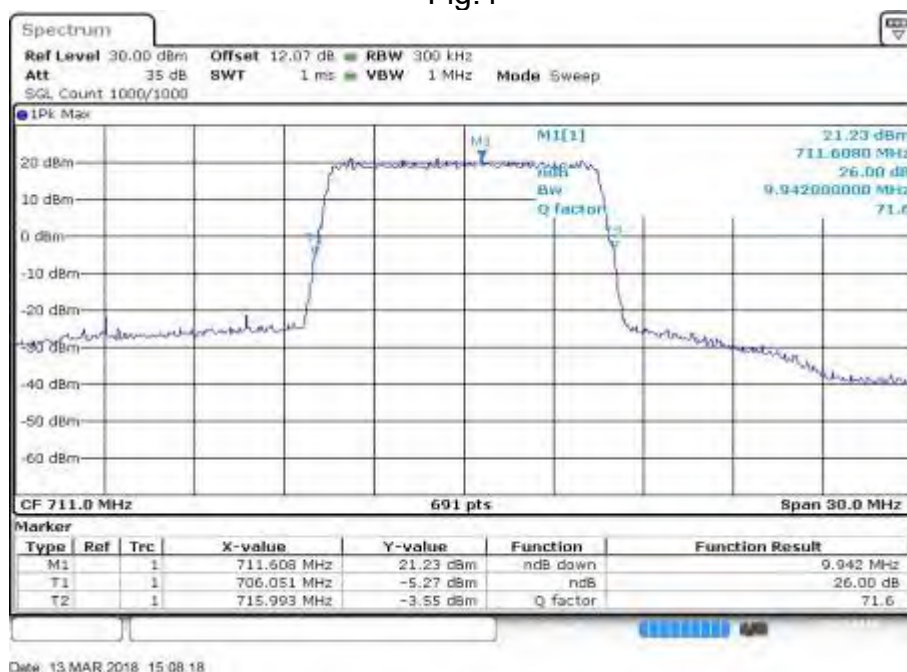
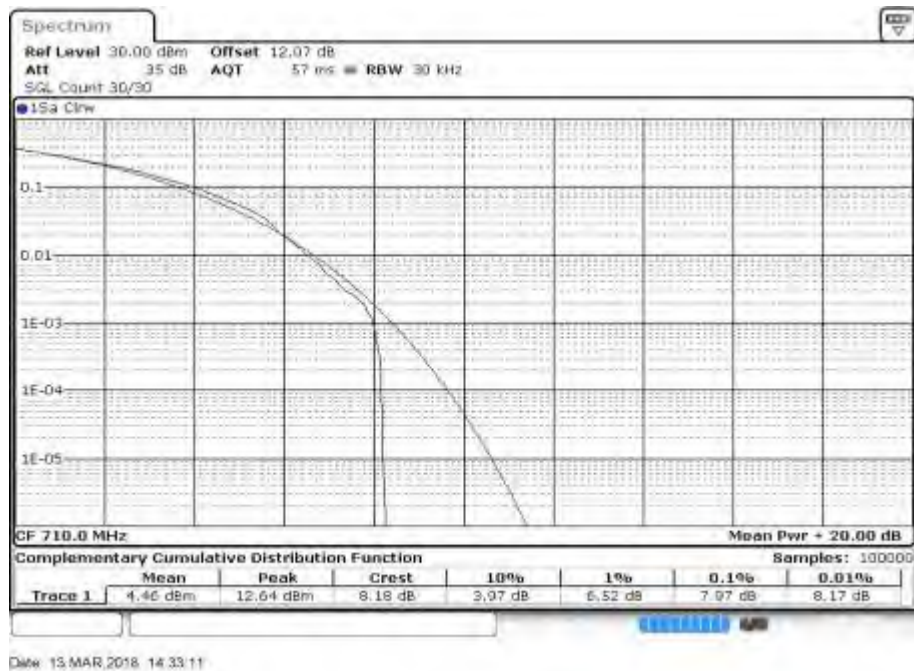


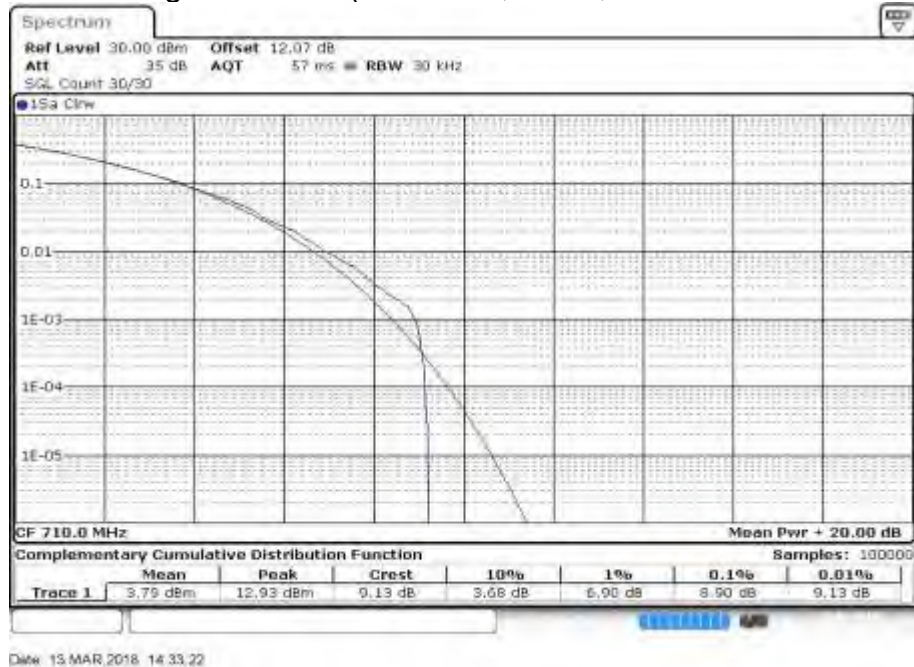
Fig.8

4 Peak-Average Ratio

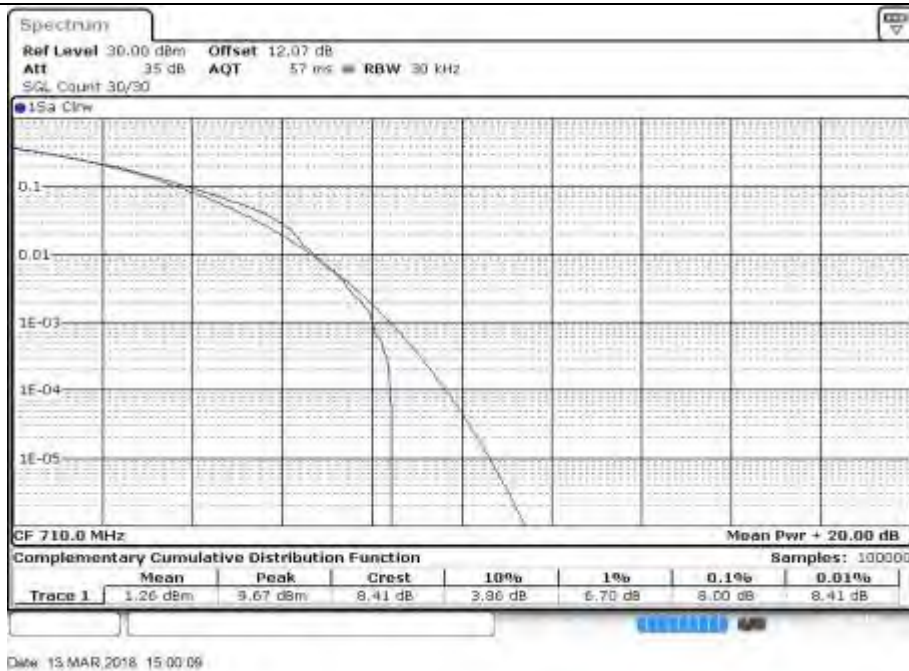
Test result:



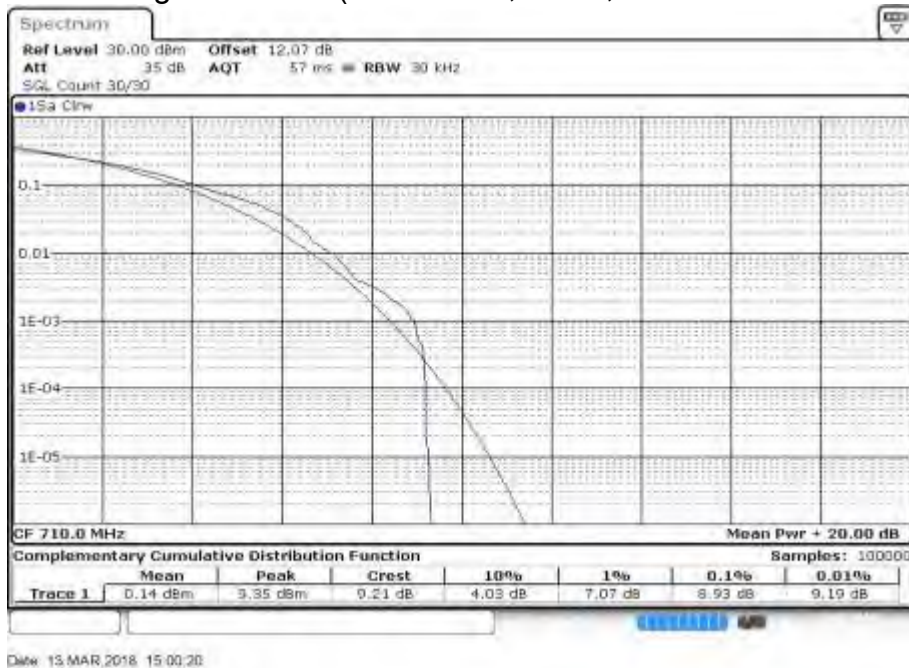
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 17-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 17-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 17-mid Channel)



Peak-Average Ratio Plot(10MHz BW,16QAM,Band 17-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
17	709	23780	10	50	0	Fig.4	Fig.8

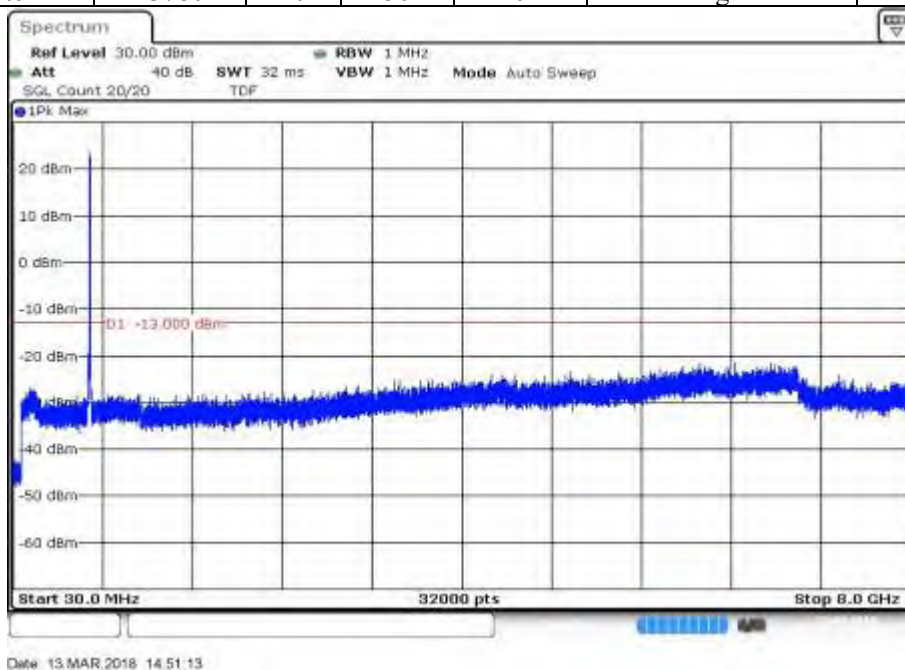


Fig.4

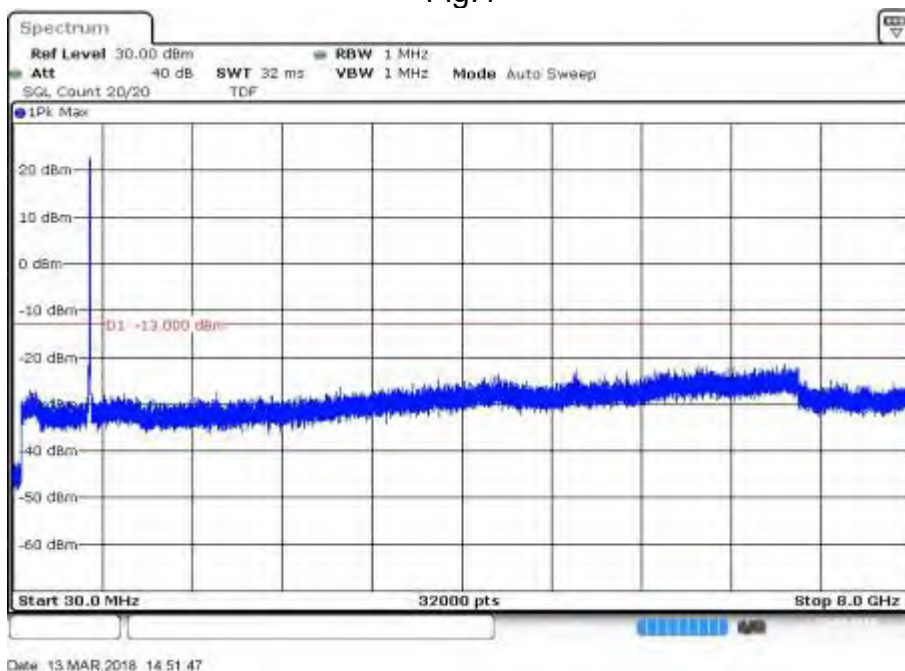


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
17	710	23790	10	50	0	Fig.4	Fig.8

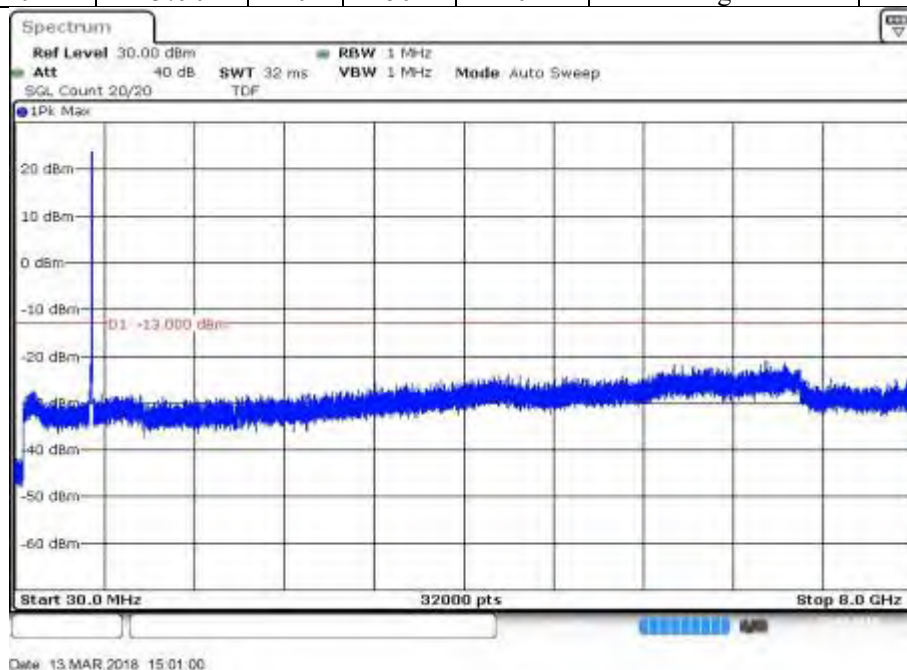


Fig.4

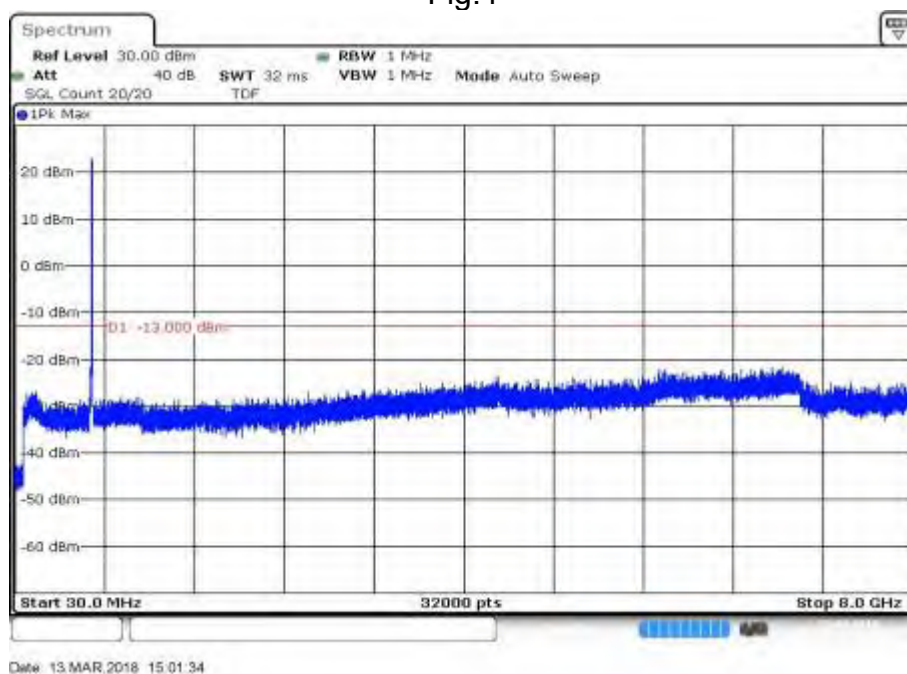


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
17	711	23800	10	50	0	Fig.4	Fig.8

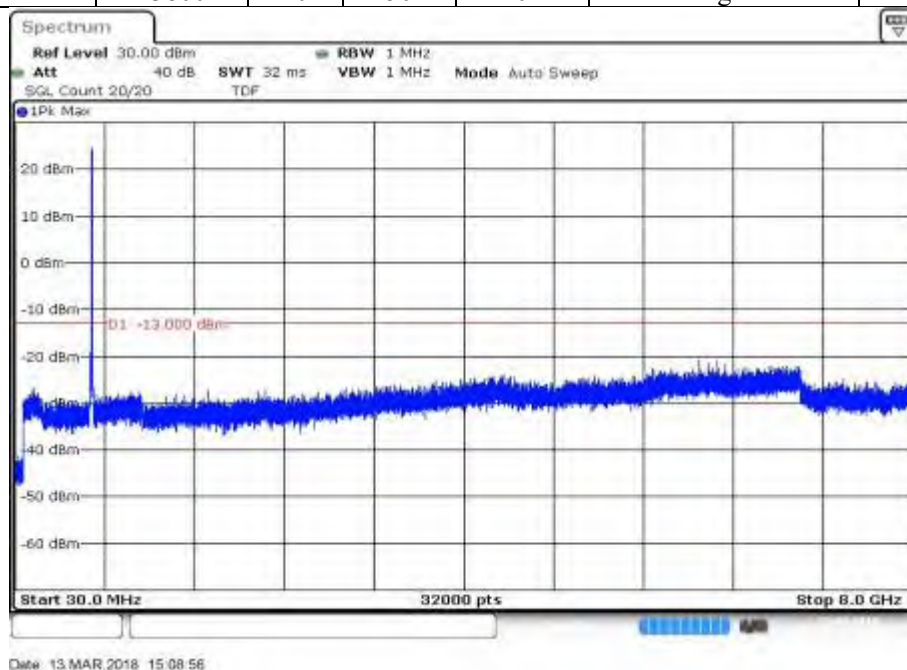


Fig.4

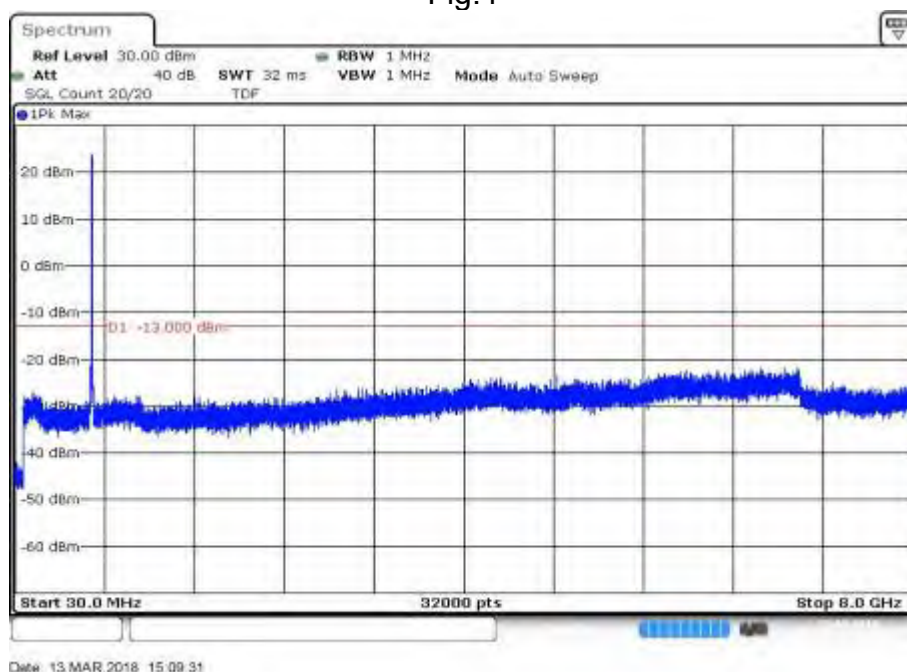


Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
17	706.5	23755	5	1	0	Fig.1
				25	0	Fig.4

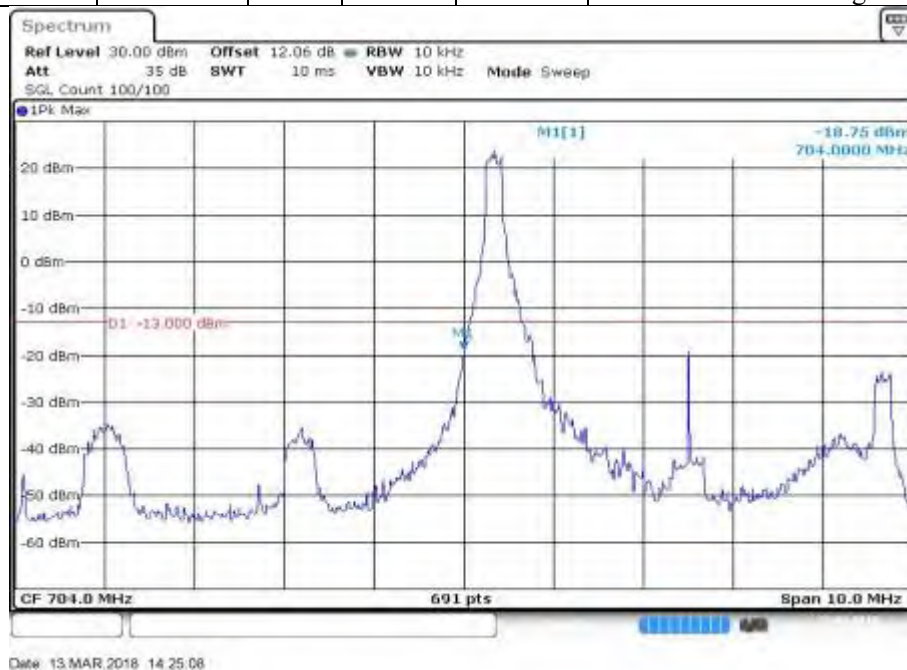


Fig.1



Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
17	713.5	23825	5	1	0	Fig.1
				25	0	Fig.4



Fig.1

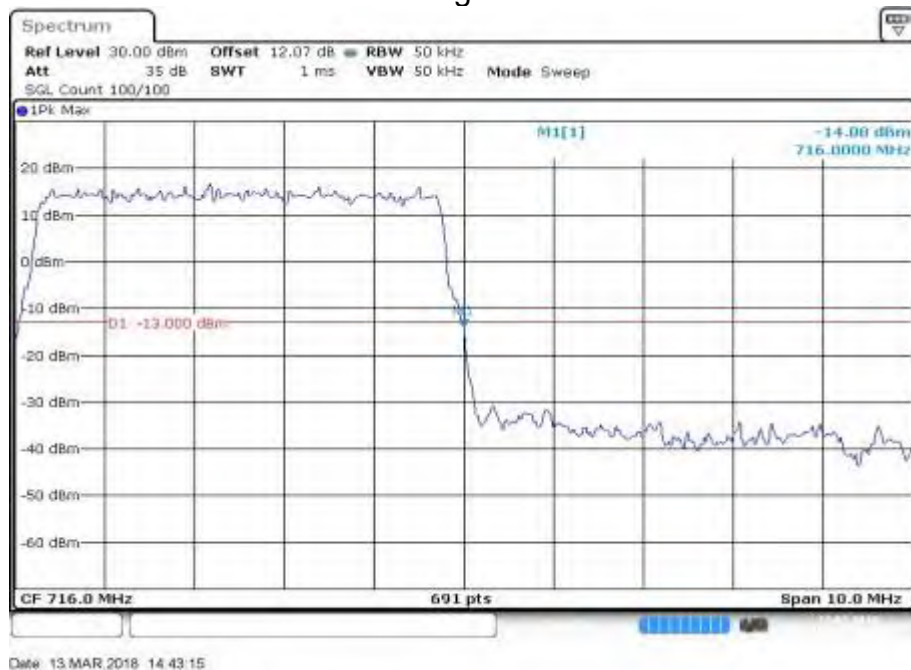


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
17	709	23780	10	1	0	Fig.1
				50	0	Fig.4

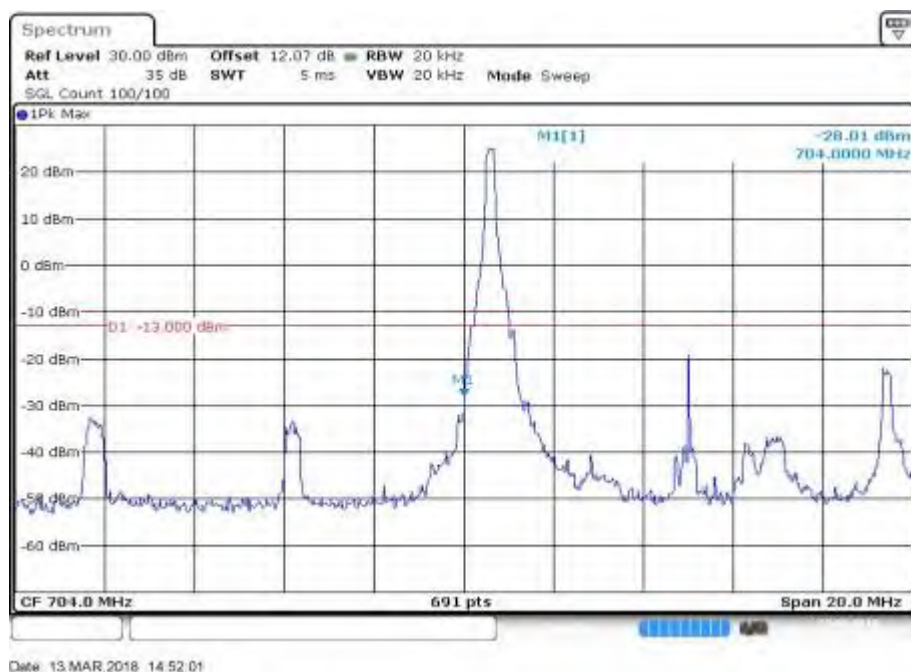


Fig.1

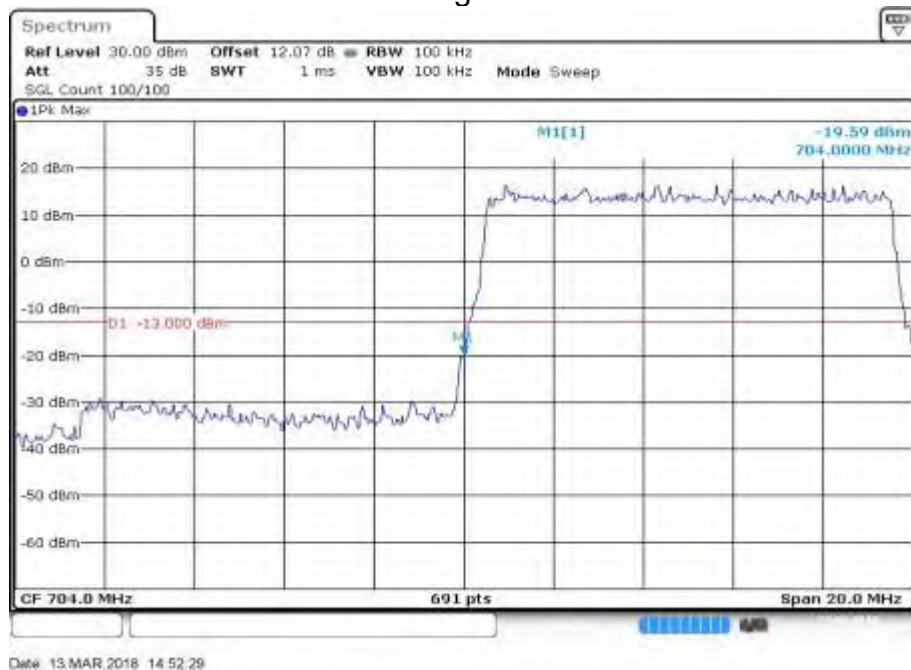


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
17	711	23800	10	1	0	Fig.1
				50	0	Fig.4

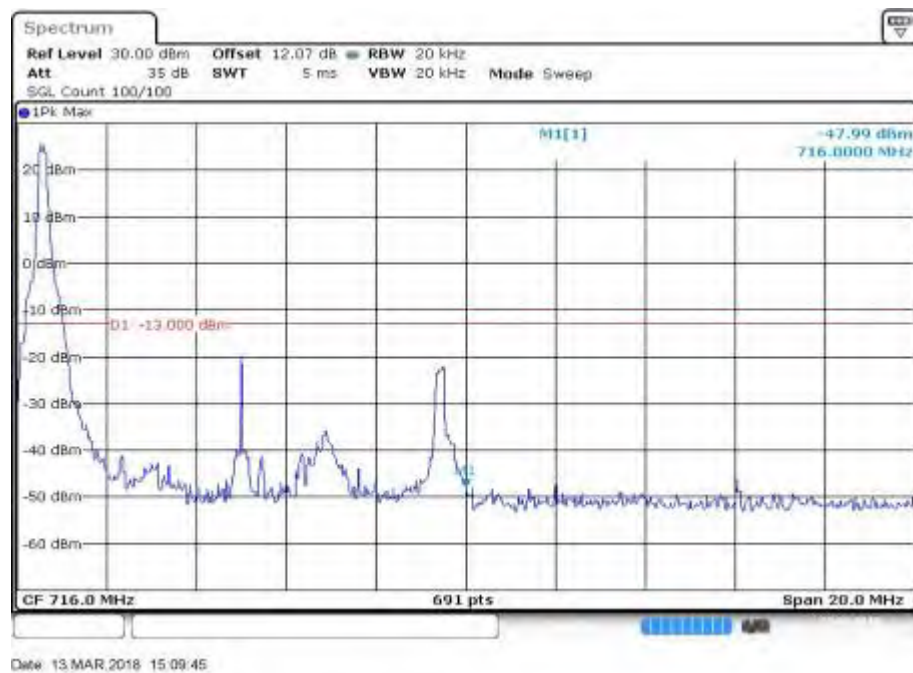


Fig.1

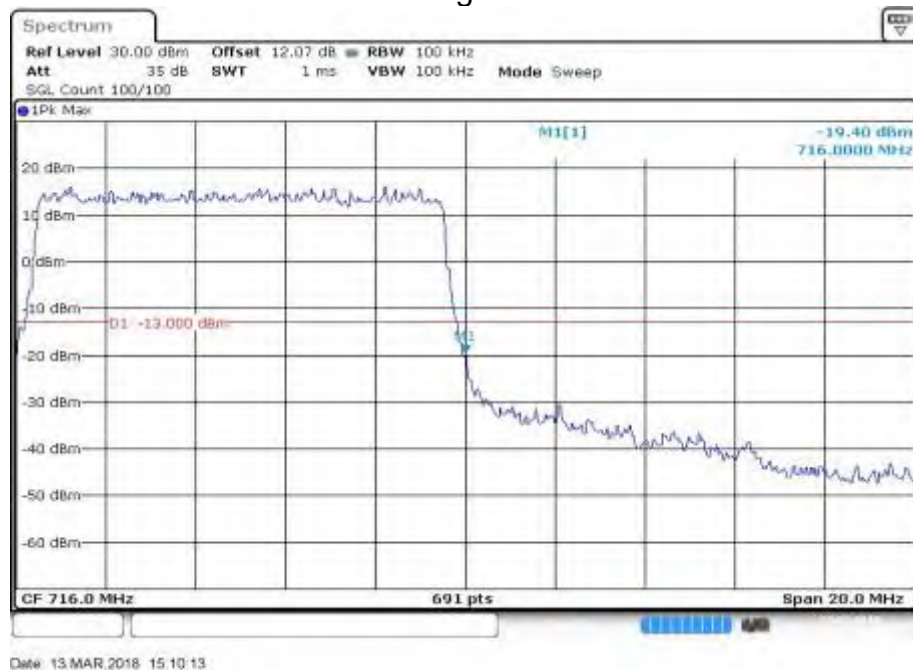


Fig.4

7 Frequency Stability

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
17	5	-30	0.003	LV	0.003
		-20	0.004		
		-10	0.008		
		0	0.012		
		10	0.002		
		20	0.007	HV	0.003
		30	0.005		
		40	0.012		
		50	0.007		
	10	-30	-0.001	LV	0.000
		-20	0.008		
		-10	0.008		
		0	0.000		
		10	0.003		
		20	0.002	HV	0.001
		30	0.002		
		40	-0.004		
		50	0.006		

LTE Band 25

1 RF Power Output

Test result:

Antenna Gain:-0.61dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1850.7	26047	1.4	1	0	19.7	19.1
				1	5	19.7	19.1
				3	2	19.8	19.2
				6	0	18.8	18.2
	1882.5	26365		1	0	19.7	19.1
				1	5	19.8	19.2
				3	2	19.8	19.2
				6	0	18.8	18.2
	1914.3	26683		1	0	19.7	19.1
				1	5	19.5	18.9
				3	2	19.6	19.0
				6	0	18.5	17.9

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1850.7	26047	1.4	1	0	18.9	18.3
				1	5	18.9	18.3
				3	2	19.1	18.5
				6	0	17.8	17.2
	1882.5	26365		1	0	18.9	18.3
				1	5	18.9	18.3
				3	2	18.7	18.1
				6	0	17.8	17.2
	1914.3	26683		1	0	18.7	18.1
				1	5	18.6	18.0
				3	2	18.8	18.2
				6	0	17.6	17.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1851.5	26055	3	1	0	19.6	19.0
				1	14	19.6	19.0
				8	4	18.6	18.0
				15	0	18.6	18.0
	1882.5	26365		1	0	19.6	19.0
				1	14	19.7	19.1
				8	4	18.7	18.1
				15	0	18.6	18.0
	1913.5	26675		1	0	19.8	19.2
				1	14	19.8	19.2
				8	4	18.8	18.2
				15	0	18.8	18.2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1851.5	26055	3	1	0	19.2	18.6
				1	14	19.2	18.6
				8	4	17.8	17.2
				15	0	17.7	17.1
	1882.5	26365		1	0	18.9	18.3
				1	14	18.8	18.2
				8	4	17.6	17.0
				15	0	17.6	17.0
	1913.5	26675		1	0	19.0	18.4
				1	14	19.0	18.4
				8	4	17.8	17.2
				15	0	17.9	17.3

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1852.5	26065	5	1	0	19.8	19.2
				1	24	19.6	19.0
				12	6	18.6	18.0
				25	0	18.7	18.1
	1882.5	26365		1	0	19.7	19.1
				1	24	19.6	19.0
				12	6	18.6	18.0
				25	0	18.6	18.0
	1912.5	26665		1	0	19.9	19.3
				1	24	19.9	19.3
				12	6	18.8	18.2
				25	0	18.8	18.2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1852.5	26065	5	1	0	18.7	18.1
				1	24	18.6	18.0
				12	6	17.7	17.1
				25	0	17.7	17.1
	1882.5	26365		1	0	19.0	18.4
				1	24	18.9	18.3
				12	6	17.7	17.1
				25	0	17.7	17.1
	1912.5	26665		1	0	18.9	18.3
				1	24	18.9	18.3
				12	6	17.8	17.2
				25	0	17.9	17.3



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1855	26090	10	1	0	20.0	19.4
				1	49	19.8	19.2
				24	12	18.7	18.1
				50	0	18.7	18.1
	1882.5	26365		1	0	19.9	19.3
				1	49	19.9	19.3
				24	12	18.6	18.0
				50	0	18.8	18.2
	1910	26640		1	0	19.8	19.2
				1	49	19.8	19.2
				24	12	18.9	18.3
				50	0	18.8	18.2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1855	26090	10	1	0	19.5	18.9
				1	49	19.5	18.9
				24	12	17.8	17.2
				50	0	17.7	17.1
	1882.5	26365		1	0	19.1	18.5
				1	49	19.0	18.4
				24	12	17.7	17.1
				50	0	17.7	17.1
	1910	26640		1	0	19.0	18.4
				1	49	19.0	18.4
				24	12	17.9	17.3
				50	0	17.9	17.3

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1857.5	26115	15	1	0	19.9	19.3
				1	74	19.7	19.1
				40	18	18.7	18.1
				75	0	18.8	18.2
	1882.5	26365		1	0	19.8	19.2
				1	74	19.6	19.0
				40	18	18.6	18.0
				75	0	18.7	18.1
	1907.5	26615		1	0	19.9	19.3
				1	74	19.9	19.3
				40	18	18.9	18.3
				75	0	18.9	18.3

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1857.5	26115	15	1	0	19.4	18.8
				1	74	19.3	18.7
				40	18	17.8	17.2
				75	0	17.8	17.2
	1882.5	26365		1	0	19.1	18.5
				1	74	18.8	18.2
				40	18	17.7	17.1
				75	0	17.7	17.1
	1907.5	26615		1	0	19.4	18.8
				1	74	19.4	18.8
				40	18	17.8	17.2
				75	0	17.8	17.2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	1860	26140	20	1	0	20.1	19.5
				1	99	19.9	19.3
				50	25	18.8	18.2
				100	0	18.8	18.2
	1882.5	26365		1	0	20.1	19.5
				1	99	19.8	19.2
				50	25	18.7	18.1
				100	0	18.7	18.1
	1905	26590		1	0	19.9	19.3
				1	99	19.8	19.2
				50	25	18.9	18.3
				100	0	19.0	18.4

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	1860	26140	20	1	0	19.3	18.7
				1	99	19.2	18.6
				50	25	17.9	17.3
				100	0	17.9	17.3
	1882.5	26365		1	0	19.3	18.7
				1	99	19.0	18.4
				50	25	17.7	17.1
				100	0	17.8	17.2
	1905	26590		1	0	19.5	18.9
				1	99	19.5	18.9
				50	25	17.9	17.3
				100	0	18.0	17.4

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1850.7	26047	1.4	6	0	1.106	Fig.4	1.094	Fig.8

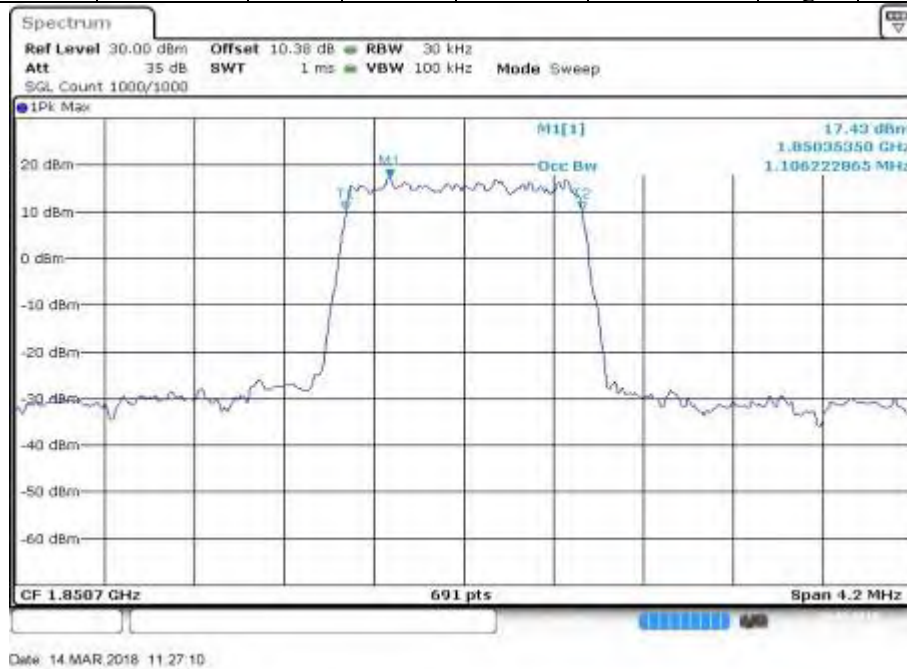


Fig.4

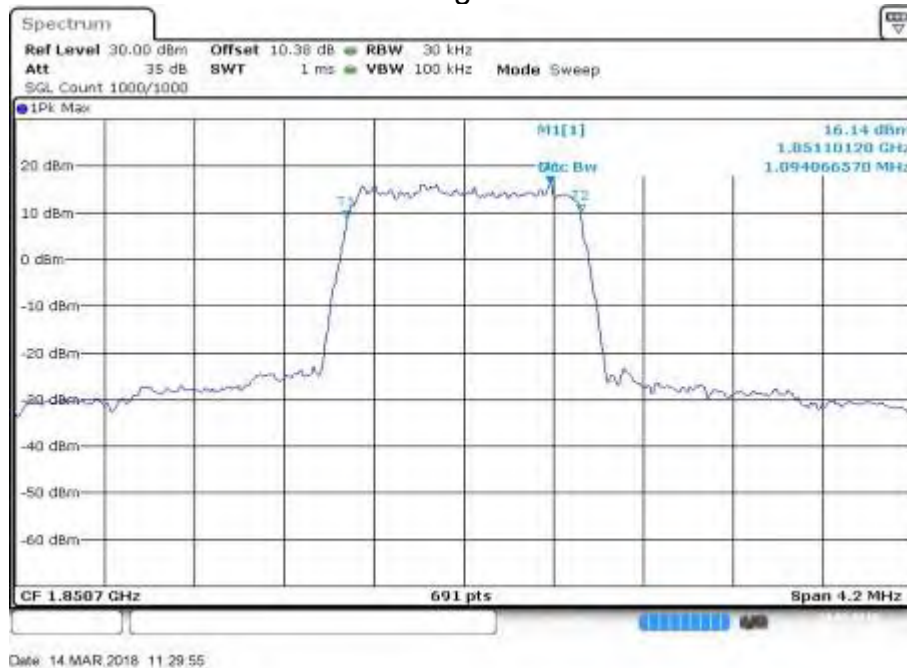


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	1.4	6	0	1.088	Fig.4	1.100	Fig.8

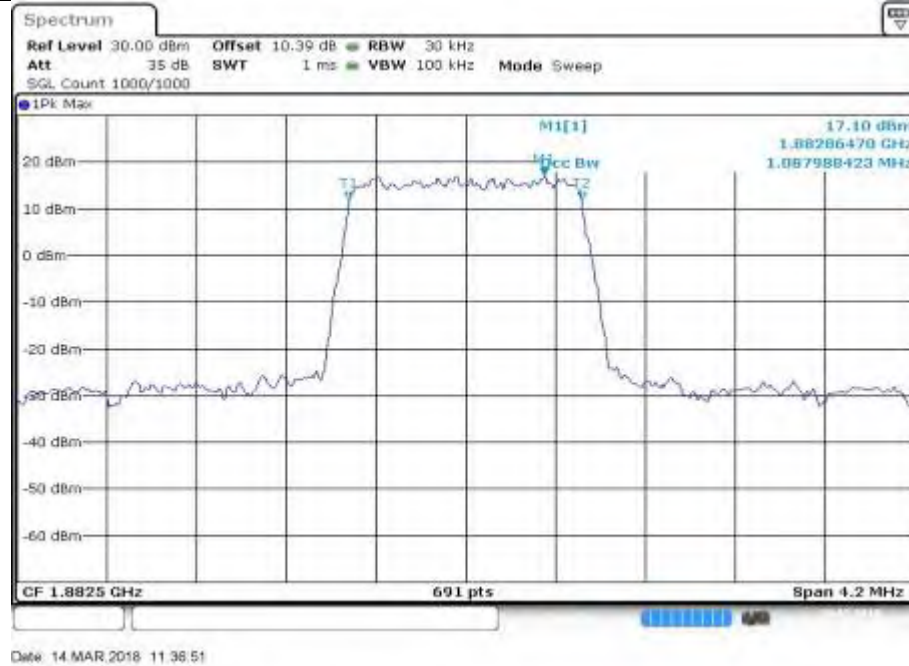


Fig.4

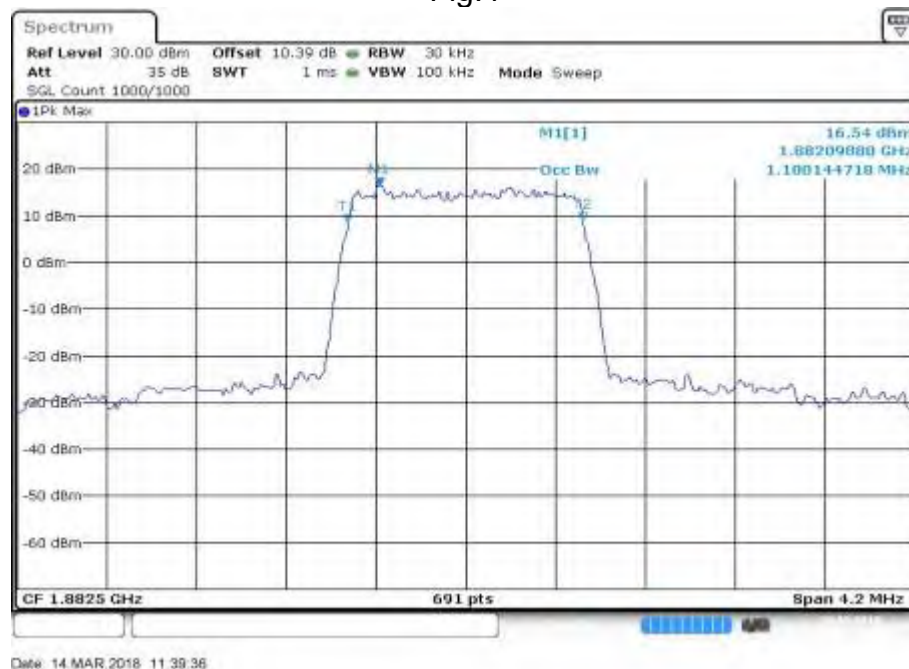


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1914.3	26683	1.4	6	0	1.094	Fig.4	1.094	Fig.8



Fig.4

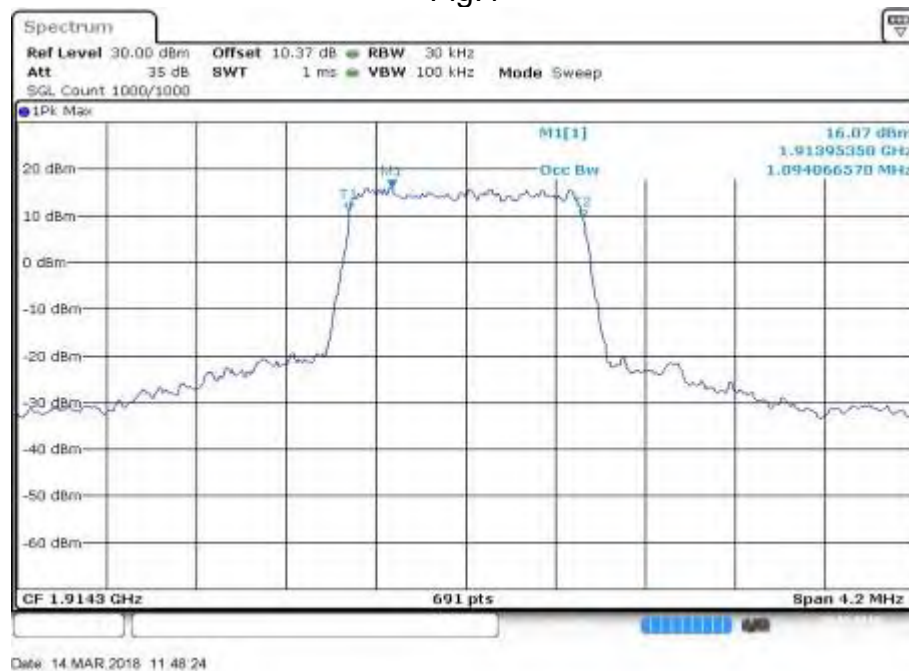


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1851.5	26055	3	15	0	2.735	Fig.4	2.748	Fig.8

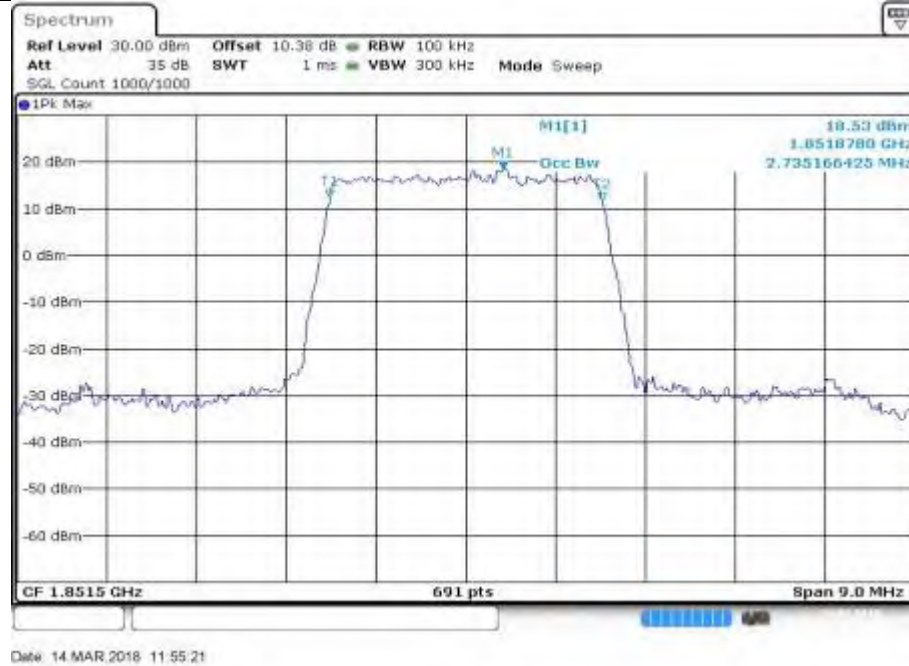


Fig.4

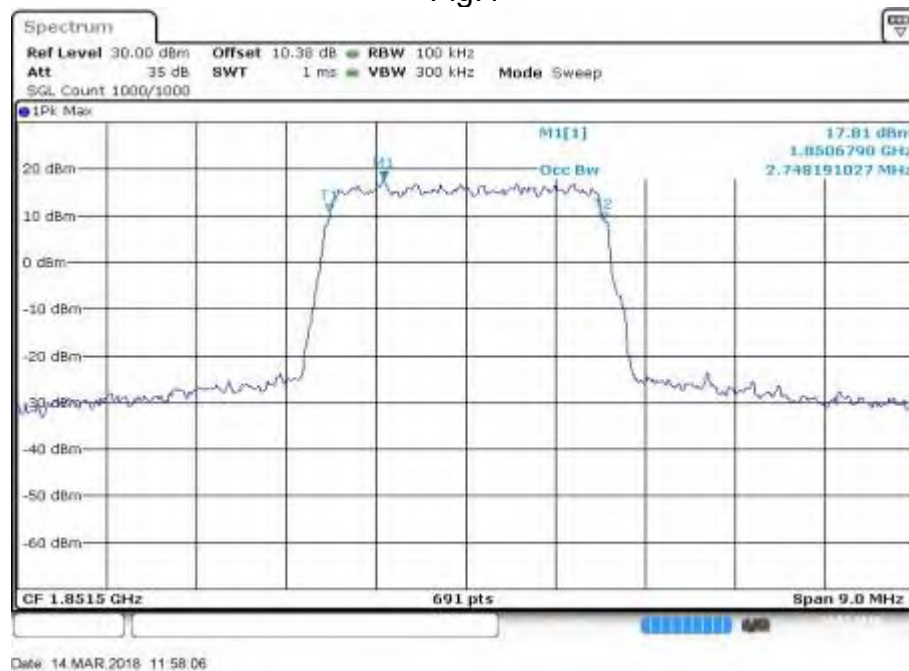


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	3	15	0	2.748	Fig.4	2.735	Fig.8

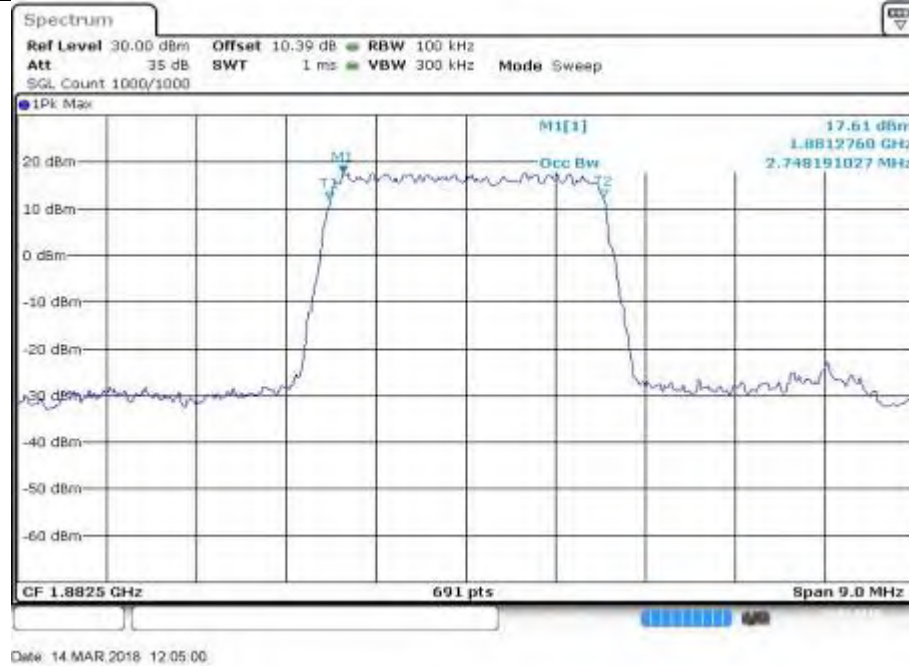


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1913.5	26675	3	15	0	2.735	Fig.4	2.735	Fig.8

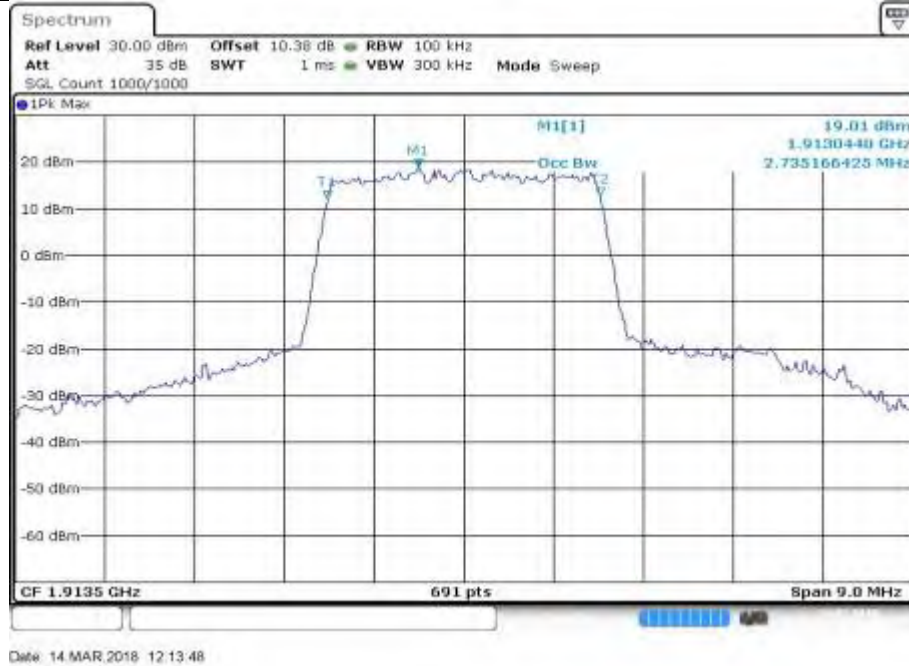


Fig.4

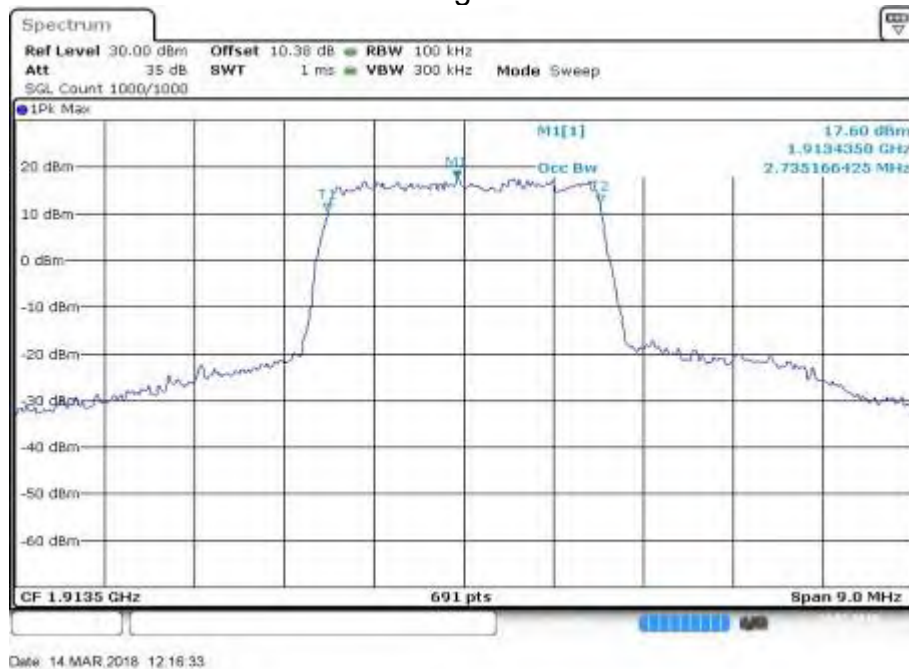


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1852.5	26065	5	25	0	4.537	Fig.4	4.515	Fig.8

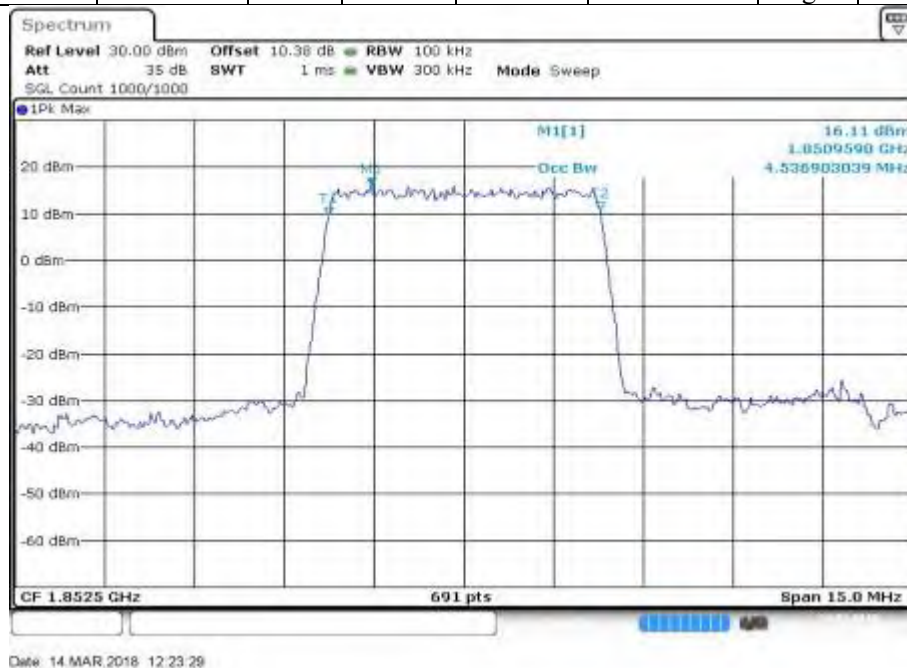


Fig.4

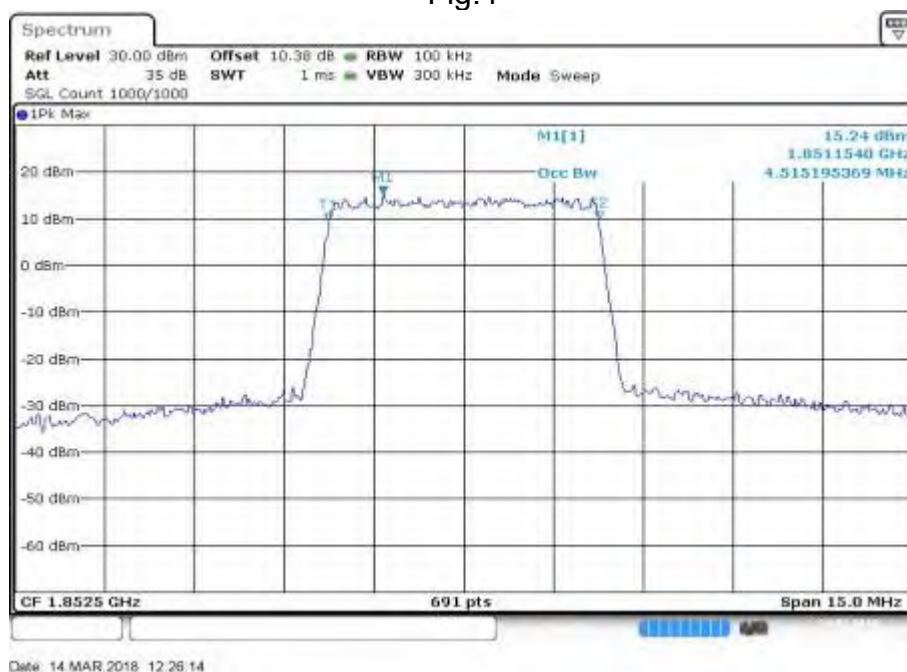


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	5	25	0	4.515	Fig.4	4.515	Fig.8

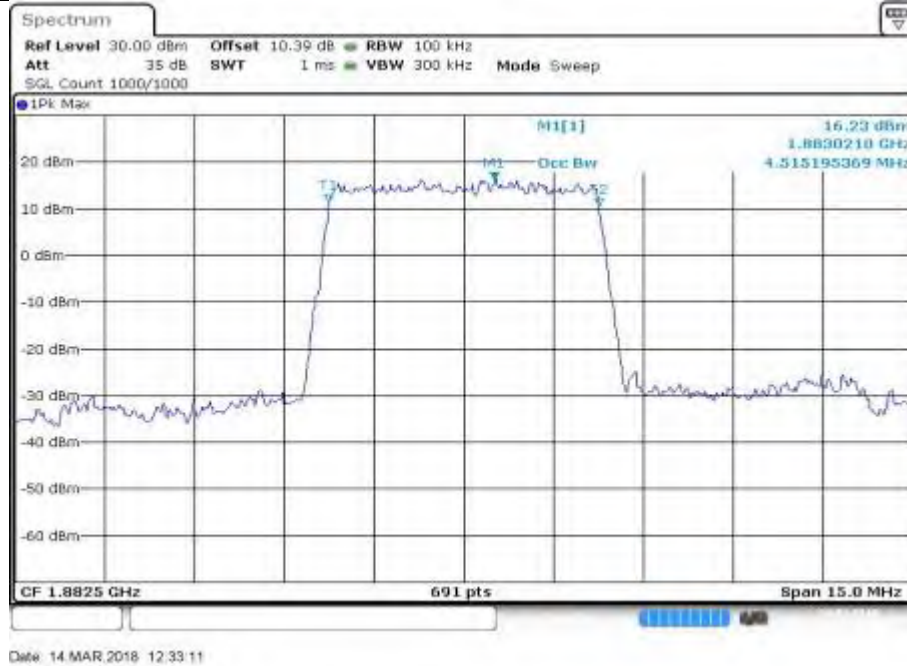


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1912.5	26665	5	25	0	4.493	Fig.4	4.515	Fig.8

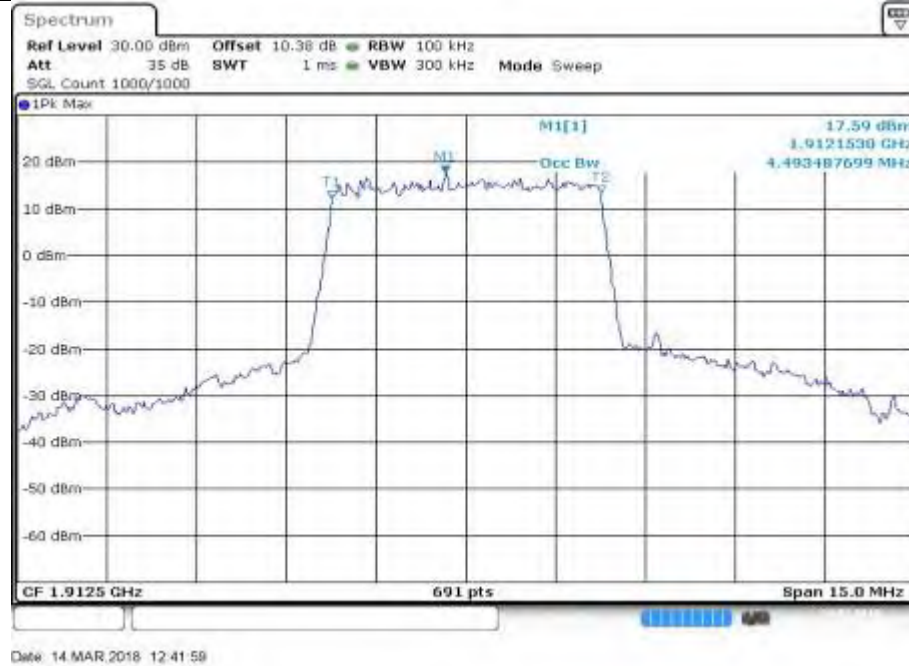


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1855	26090	10	50	0	9.074	Fig.4	9.030	Fig.8

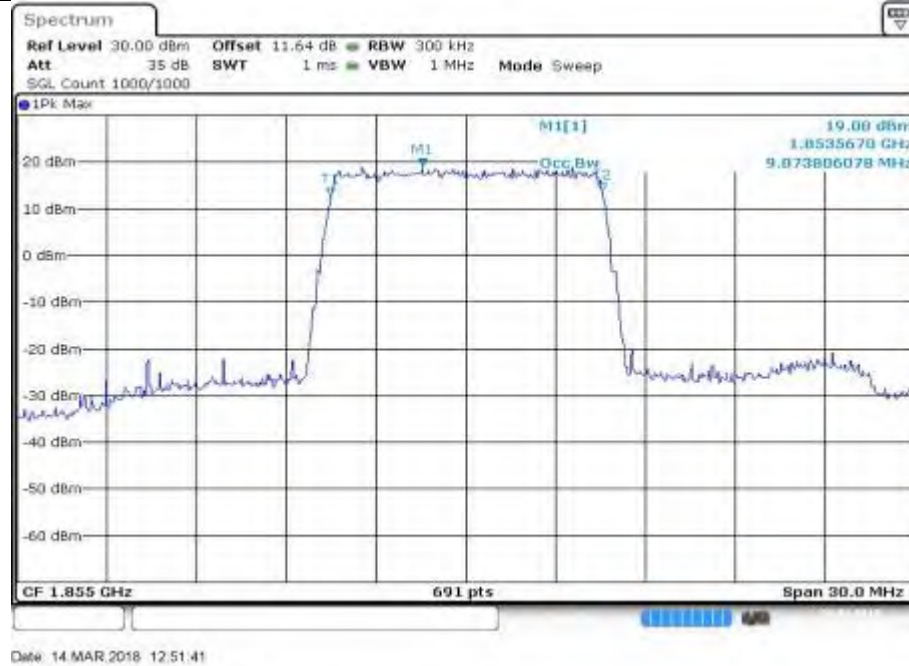


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	10	50	0	9.074	Fig.4	9.074	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1910	26640	10	50	0	9.030	Fig.4	9.074	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1857.5	26115	15	75	0	13.480	Fig.4	13.480	Fig.8

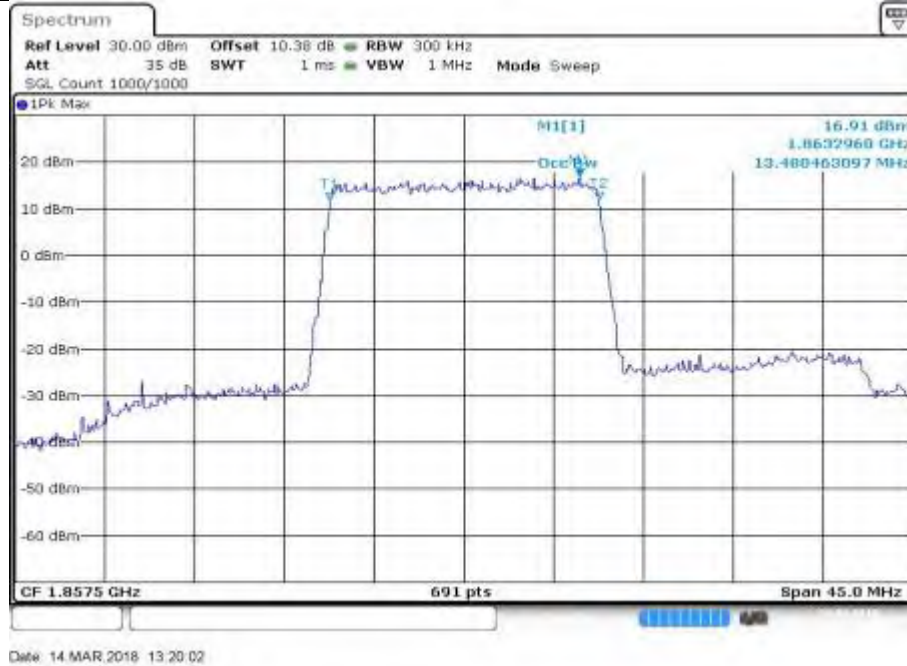


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	15	75	0	13.480	Fig.4	13.480	Fig.8

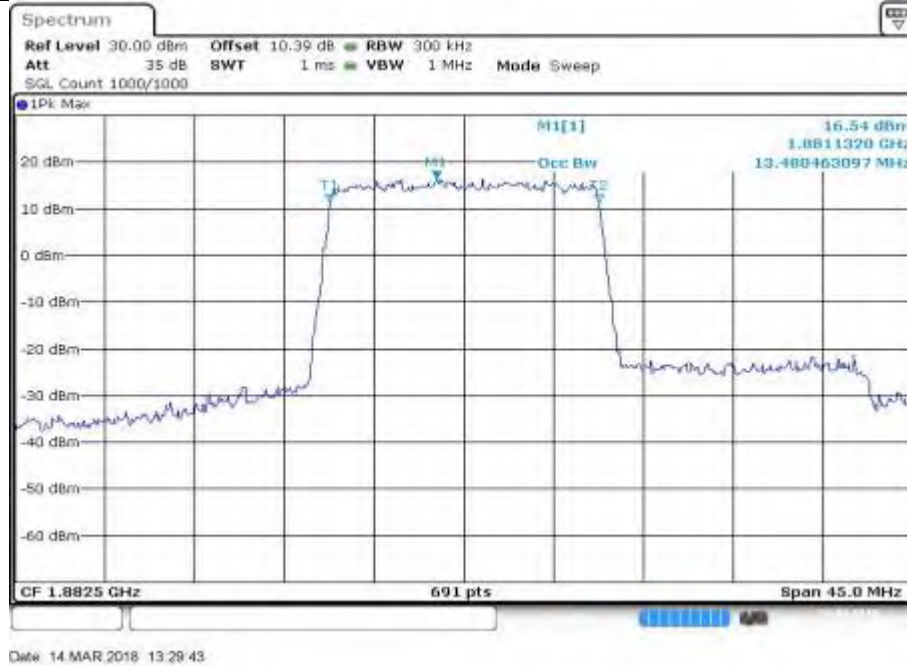


Fig.4

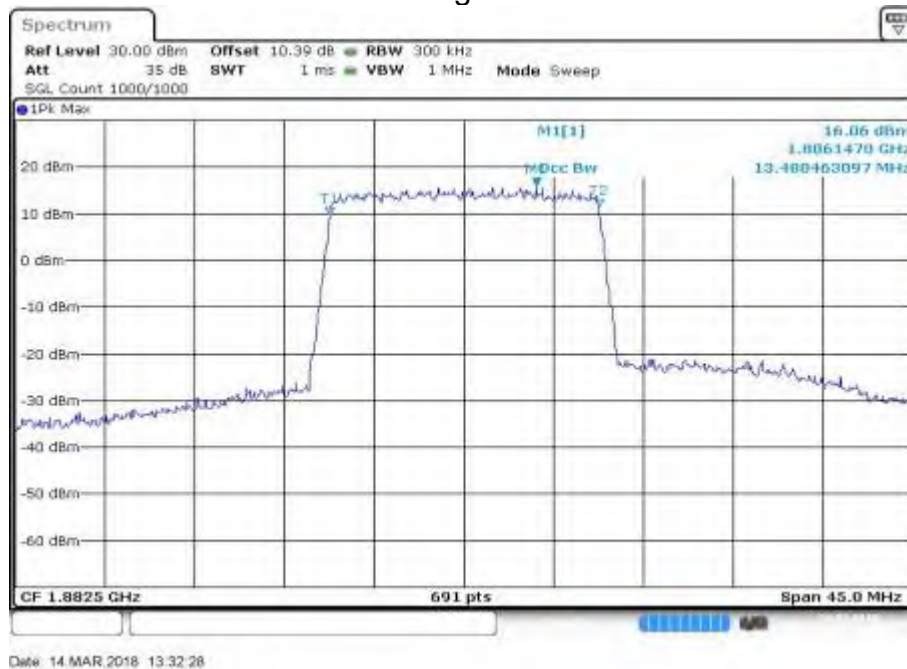


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1907.5	26615	15	75	0	13.480	Fig.4	13.480	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1860	26140	20	100	0	17.974	Fig.4	17.974	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	20	100	0	17.887	Fig.4	17.974	Fig.8

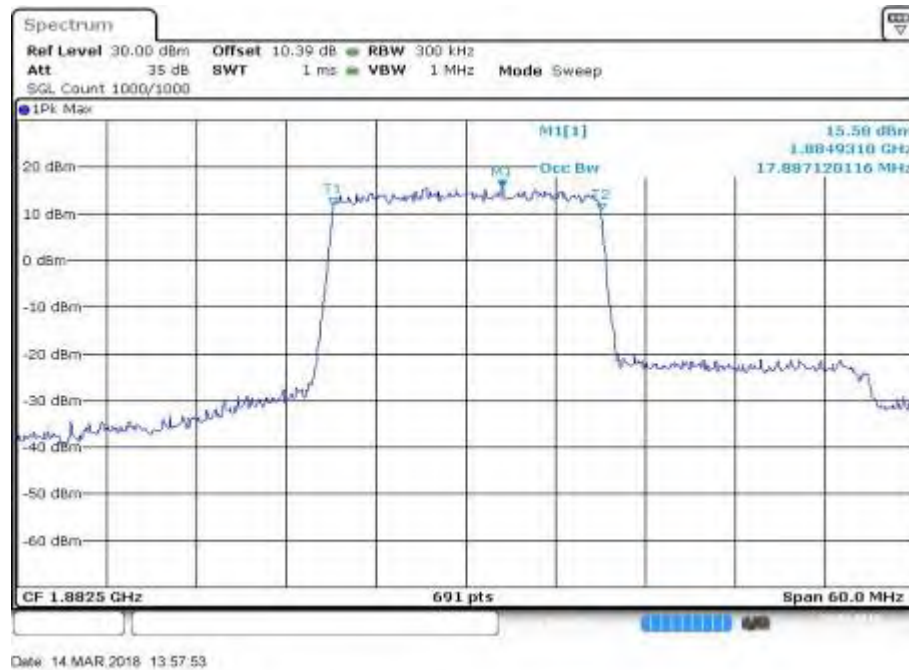


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
25	1905	26590	20	100	0	17.974	Fig.4	17.974	Fig.8

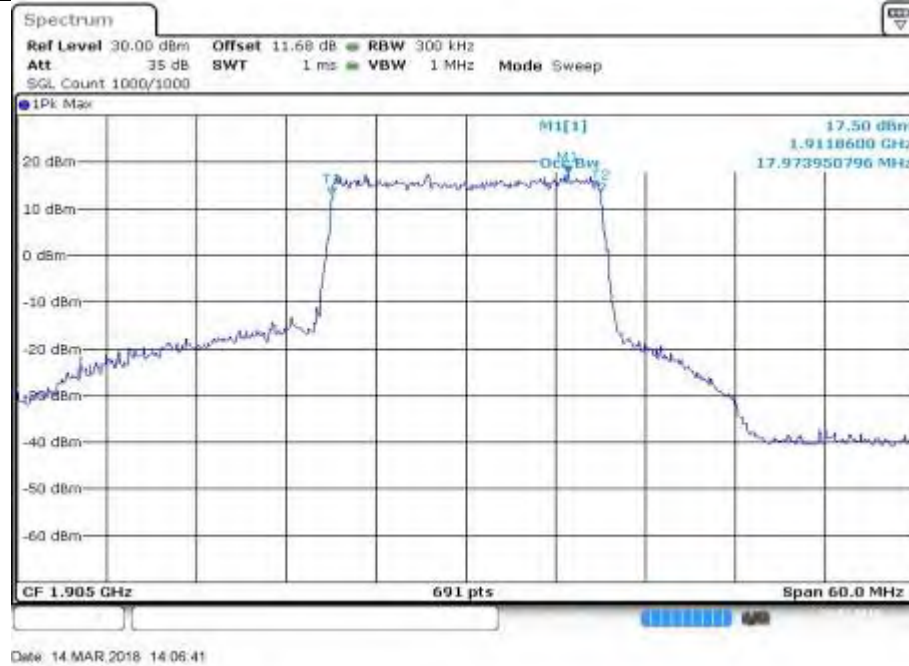


Fig.4

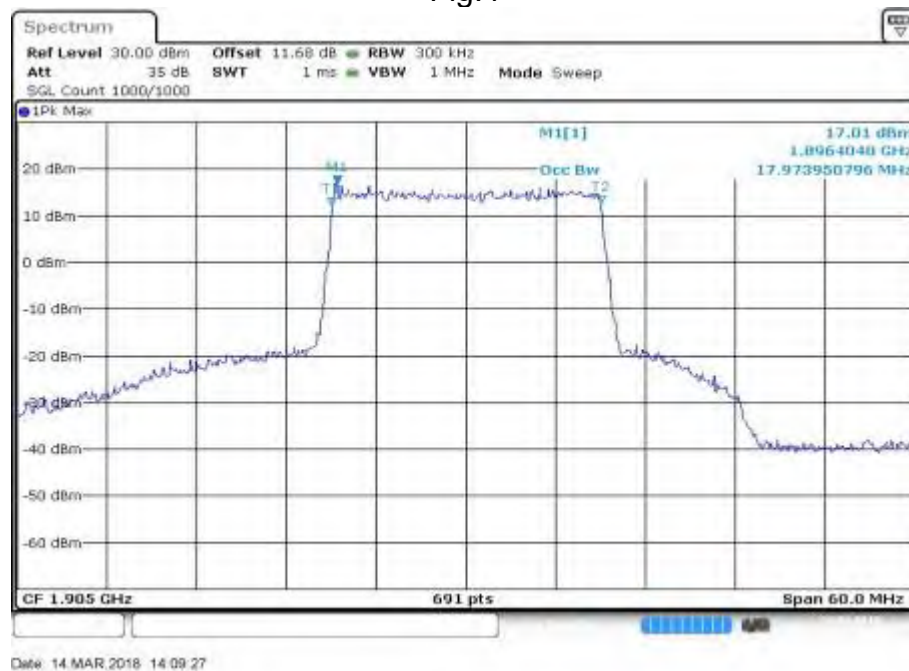


Fig.8

3 Emission Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1850.7	26047	1.4	6	0	1.234	Fig.4	1.246	Fig.8

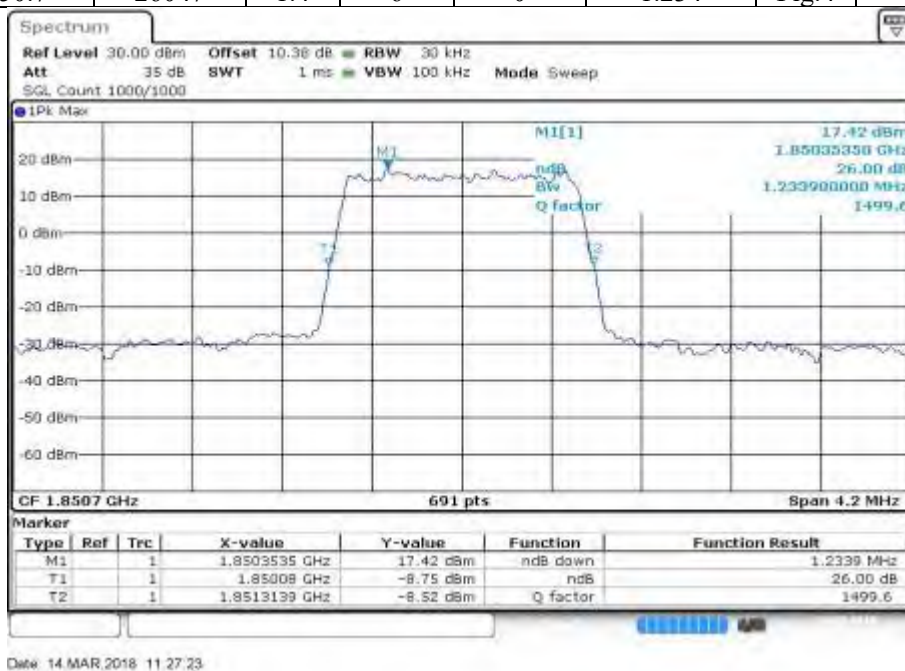


Fig.4

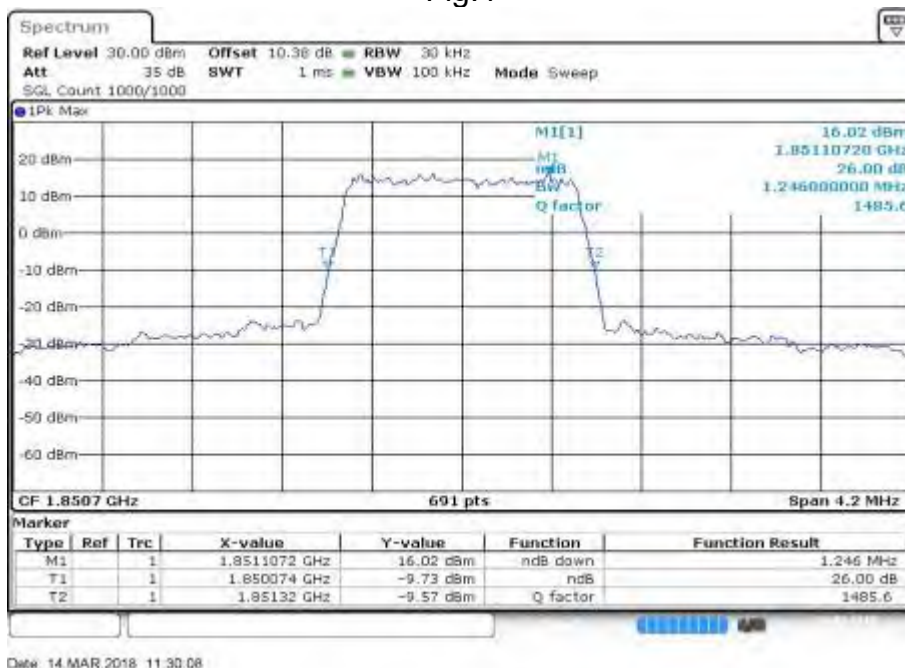


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	1.4	6	0	1.240	Fig.4	1.246	Fig.8

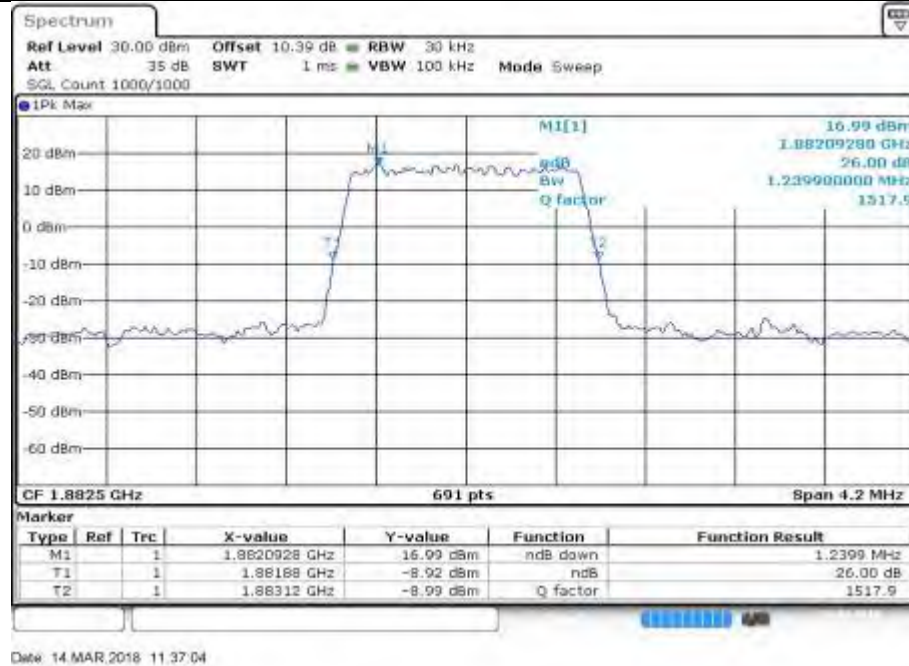


Fig.4

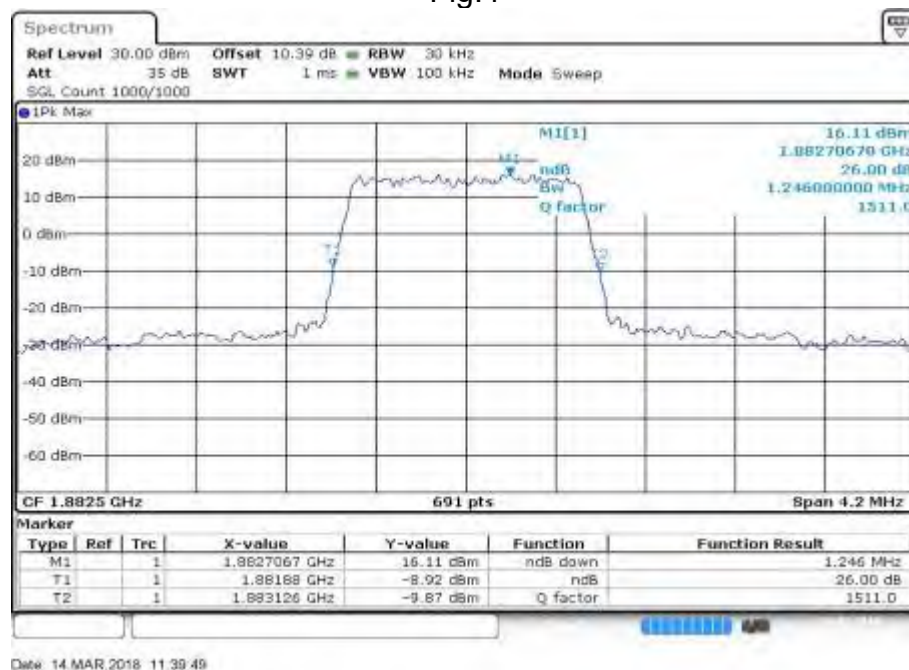


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1914.3	26683	1.4	6	0	1.246	Fig.4	1.234	Fig.8

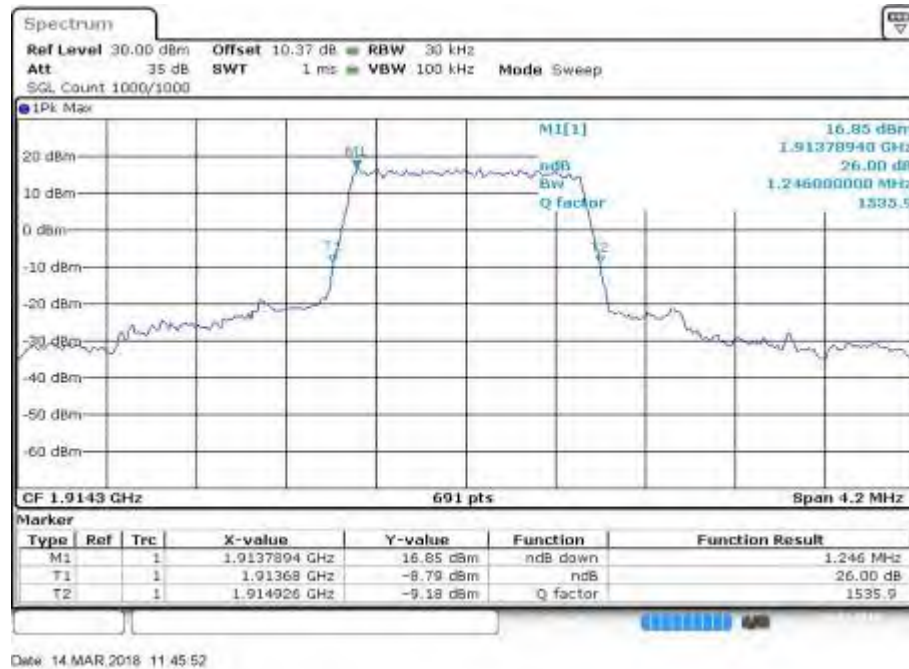


Fig.4

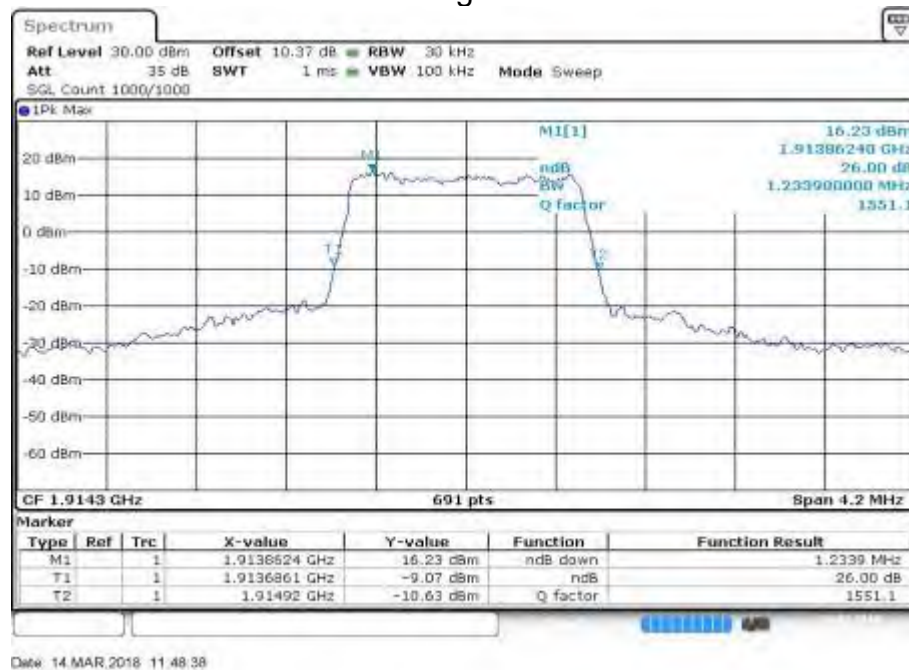


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1851.5	26055	3	15	0	2.287	Fig.4	2.287	Fig.8

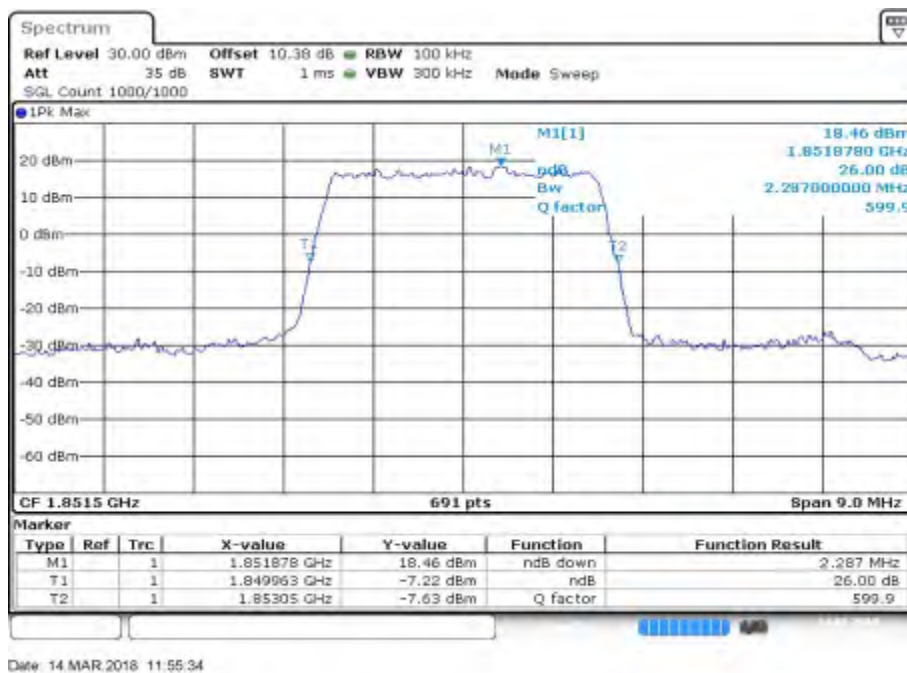


Fig.4

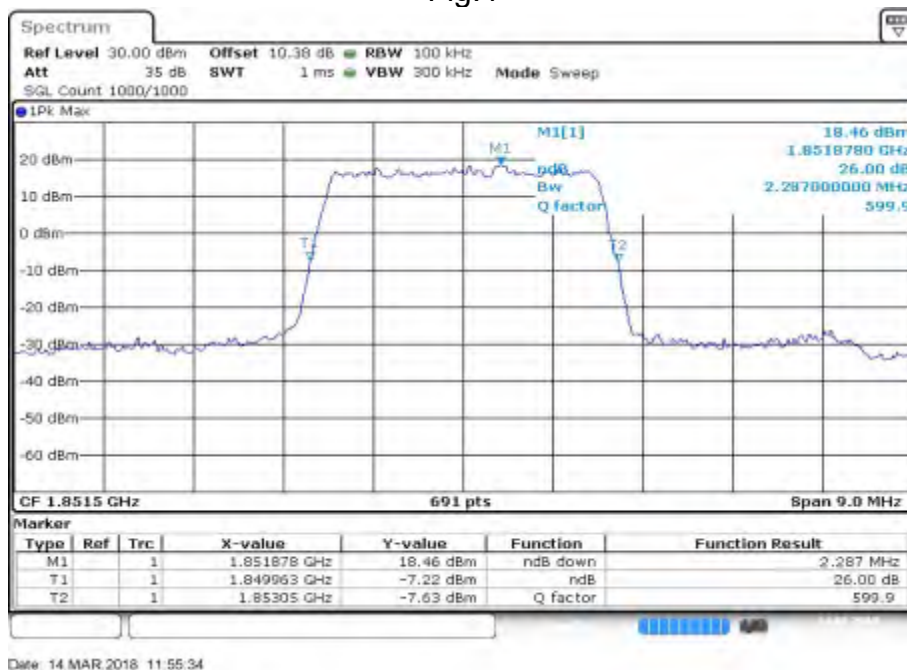


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	3	15	0	2.261	Fig.4	2.161	Fig.8

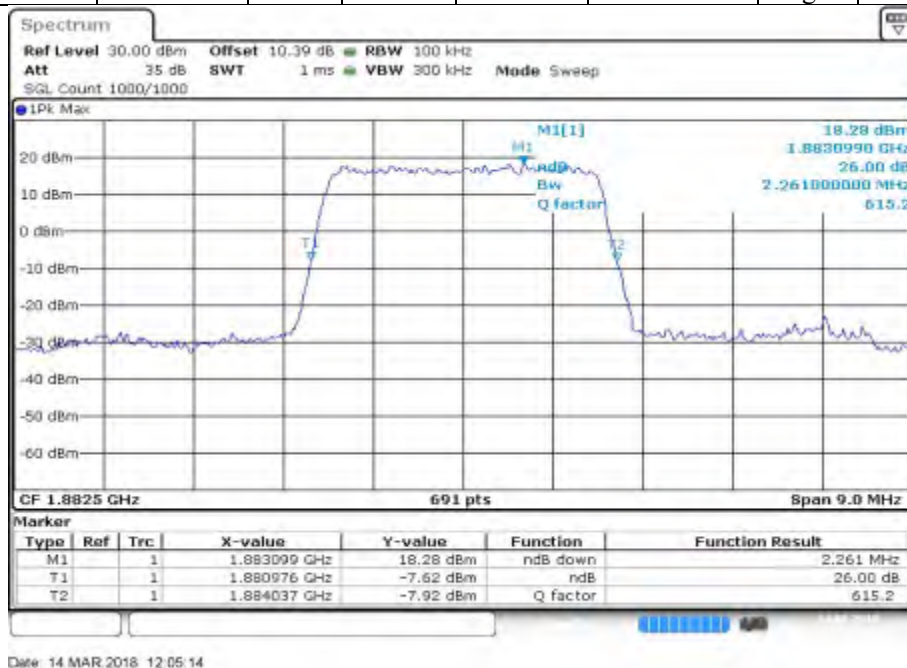


Fig.4

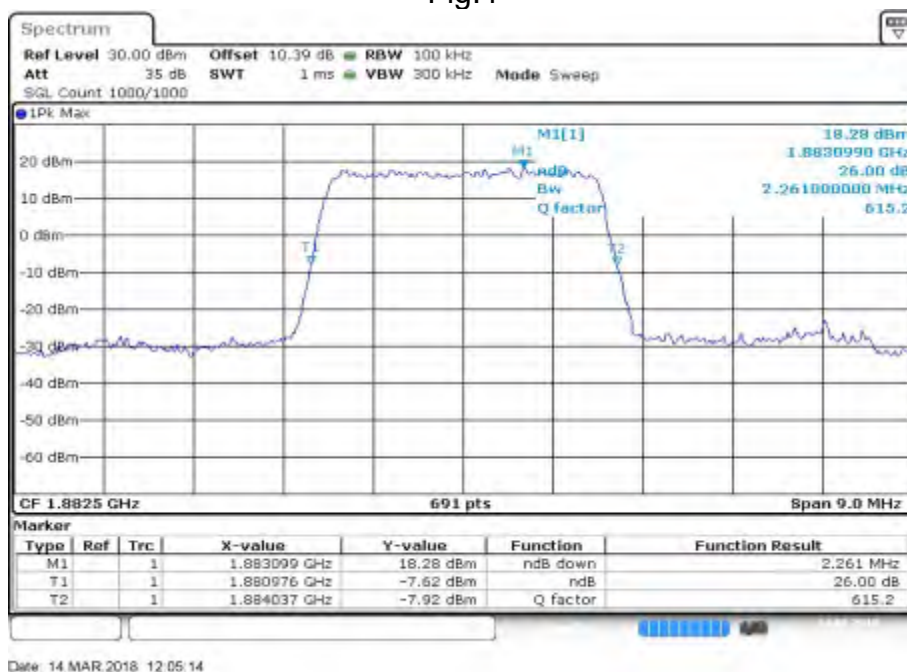


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1913.5	26675	3	15	0	3.074	Fig.4	3.087	Fig.8



Fig.4

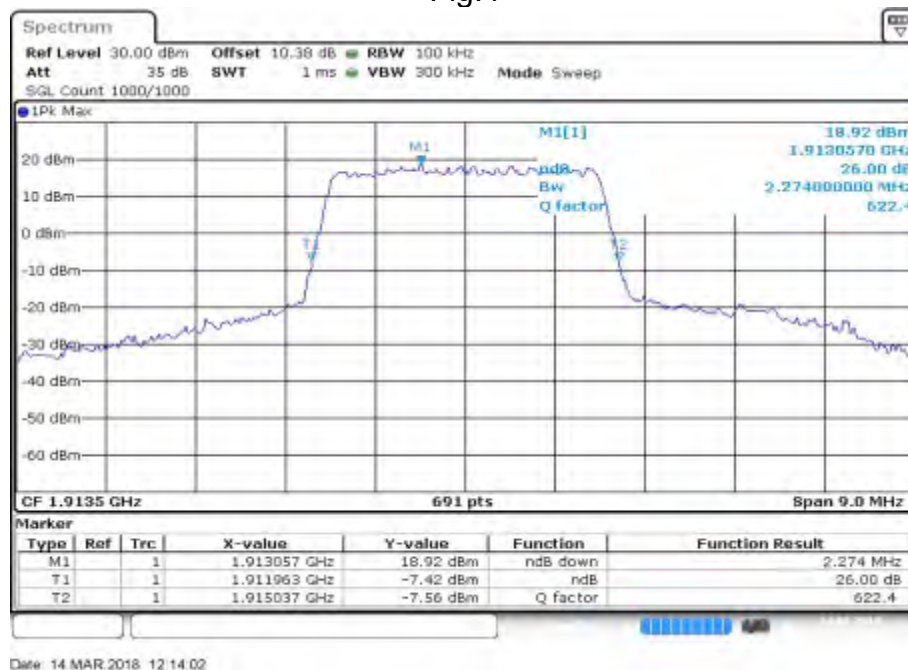


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1852.5	26065	5	25	0	4.971	Fig.4	4.971	Fig.8

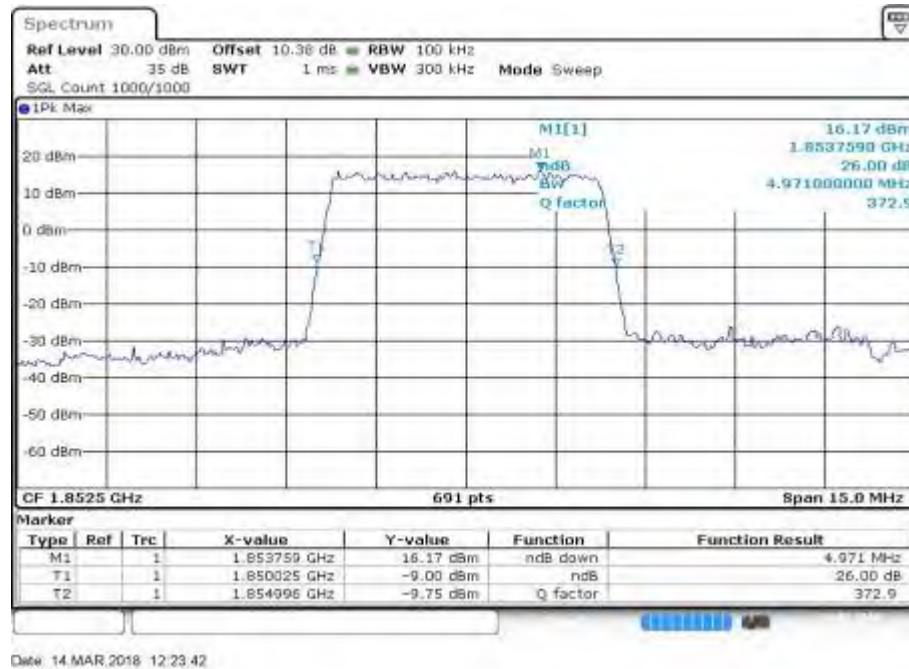


Fig.4

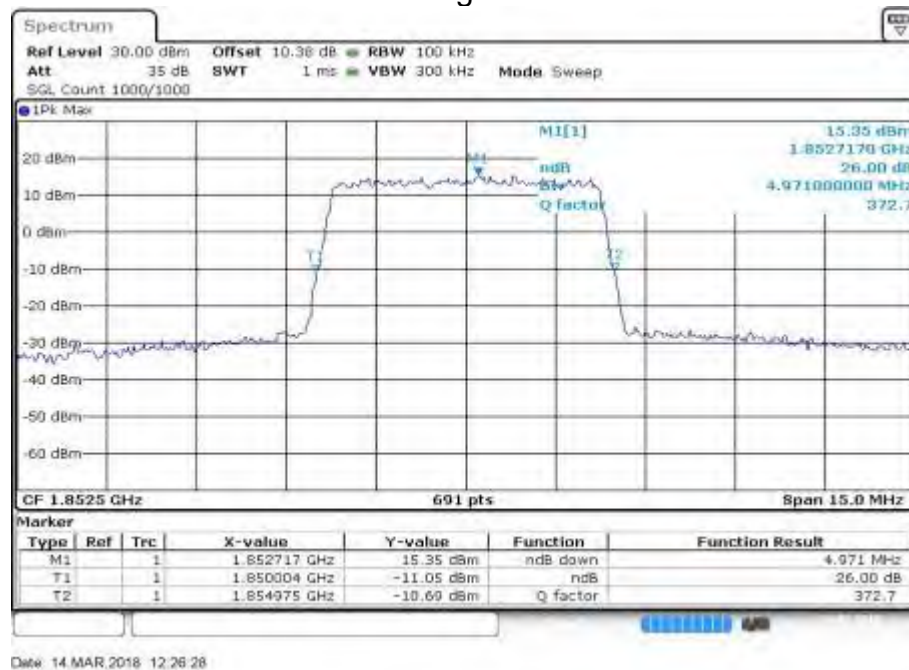


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	5	25	0	4.949	Fig.4	4.971	Fig.8

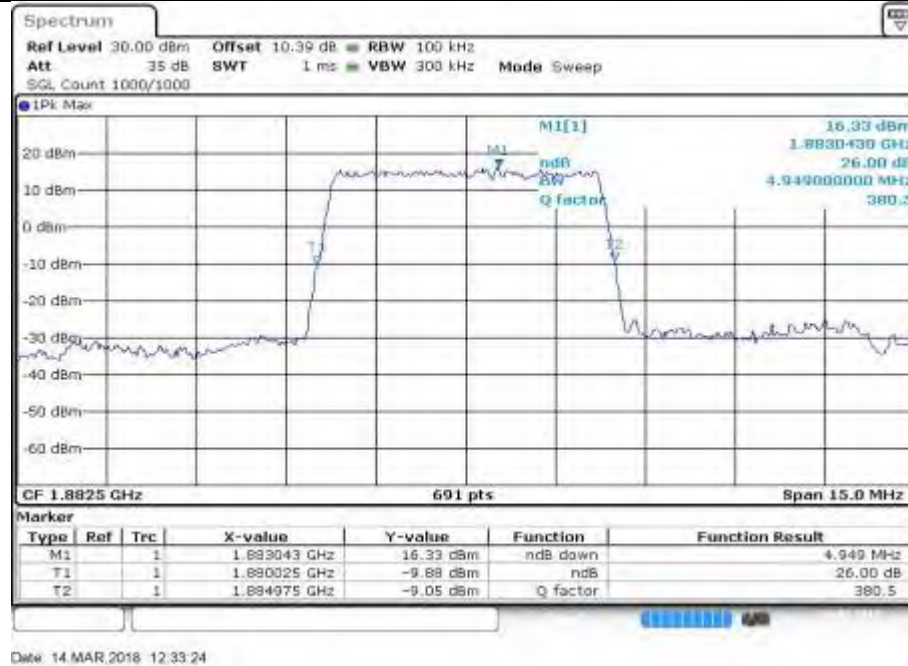


Fig.4

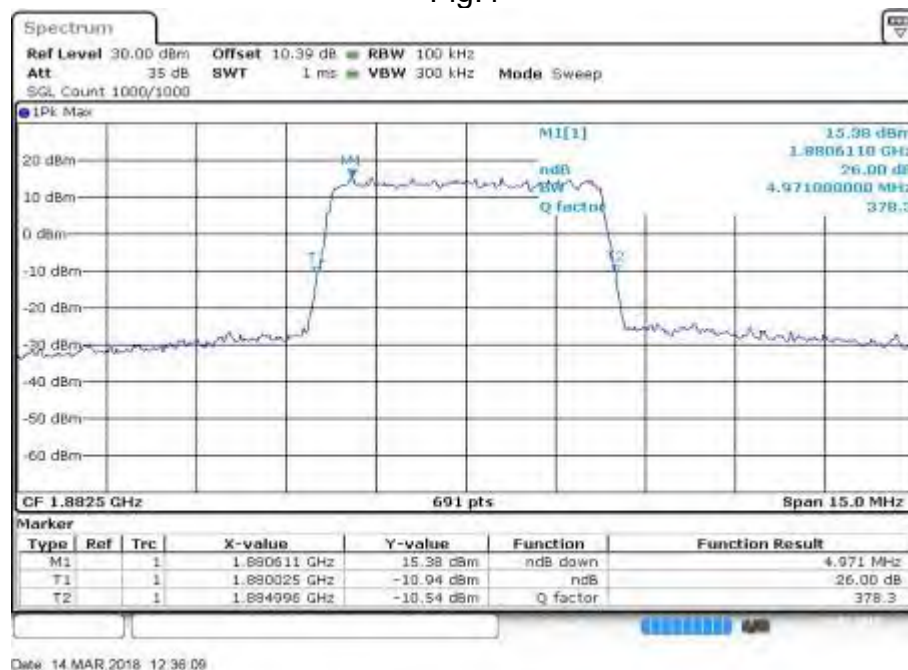


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1912.5	26665	5	25	0	4.971	Fig.4	4.971	Fig.8



Fig.4

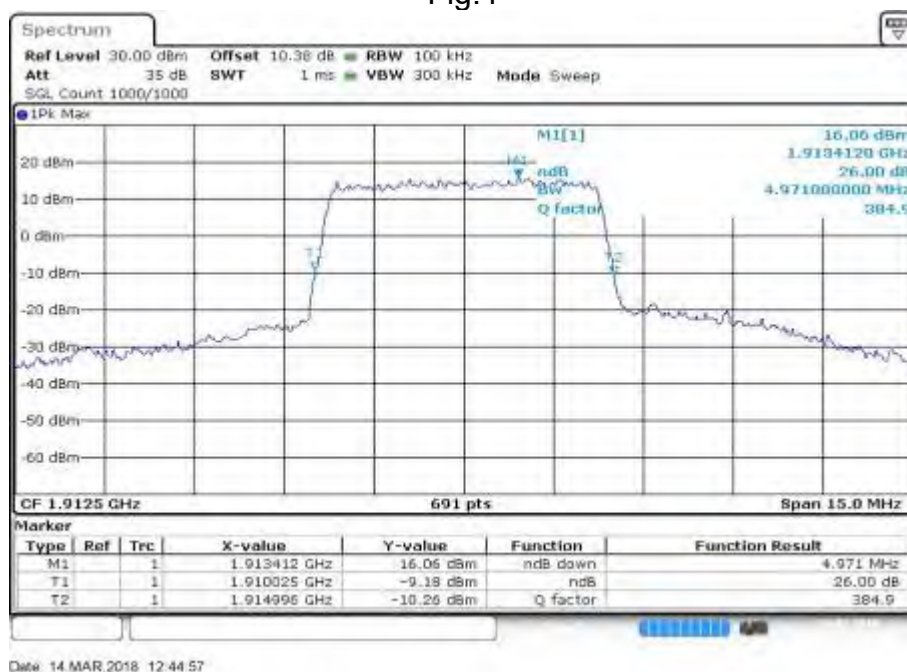


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1855	26090	10	50	0	9.986	Fig.4	9.986	Fig.8

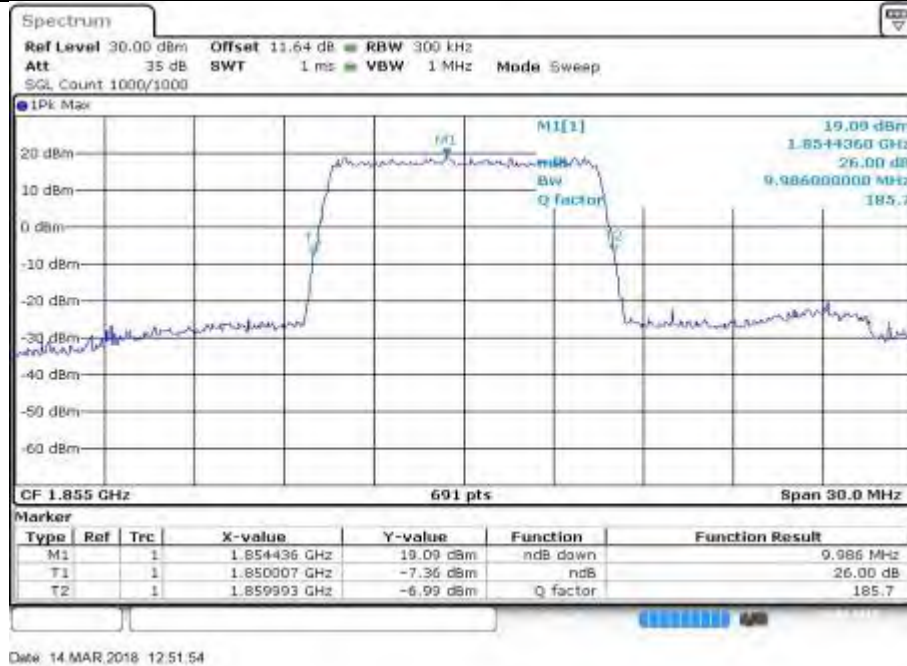


Fig.4

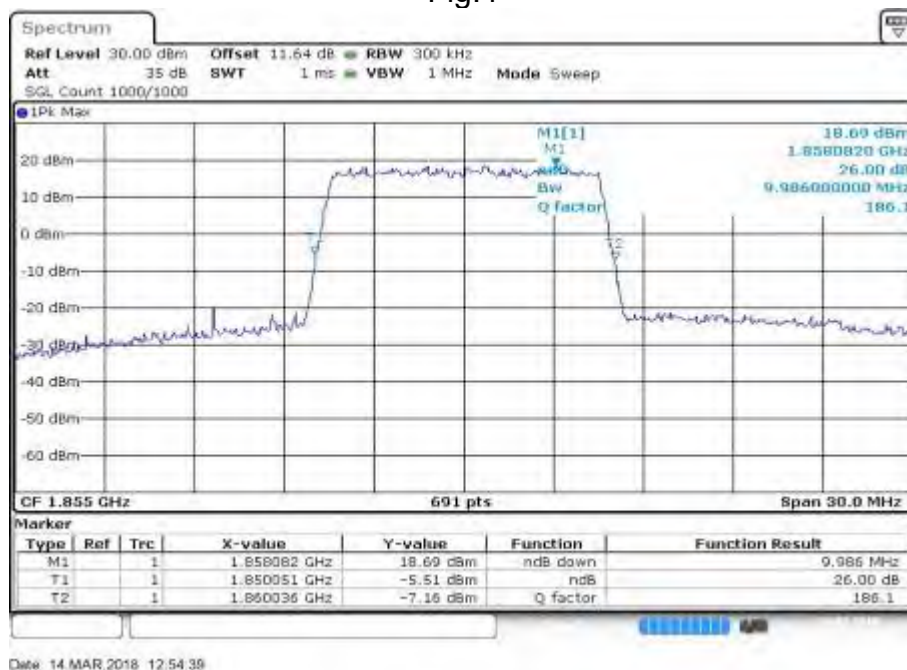


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	10	50	0	9.942	Fig.4	9.986	Fig.8

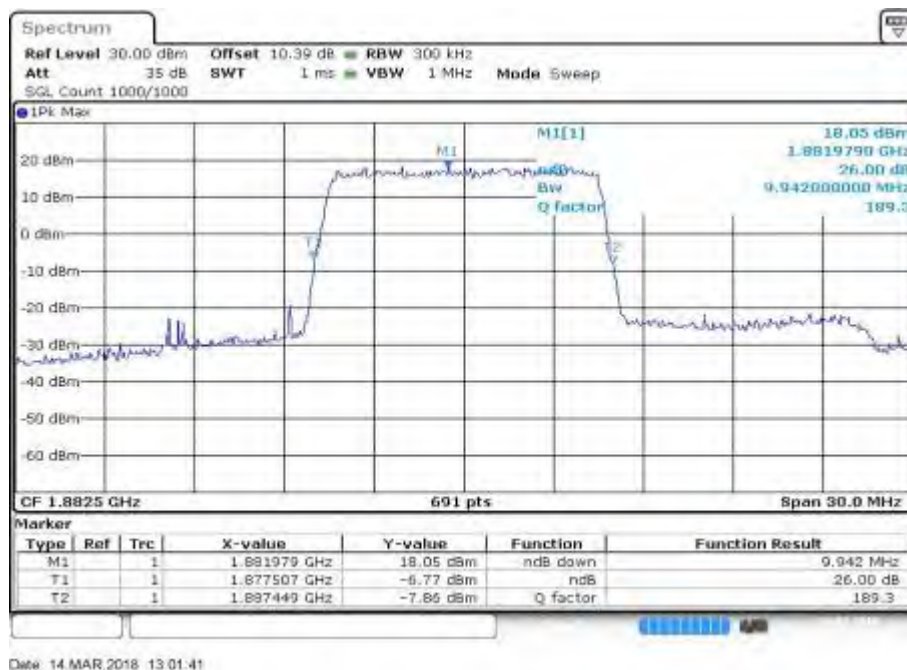


Fig.4

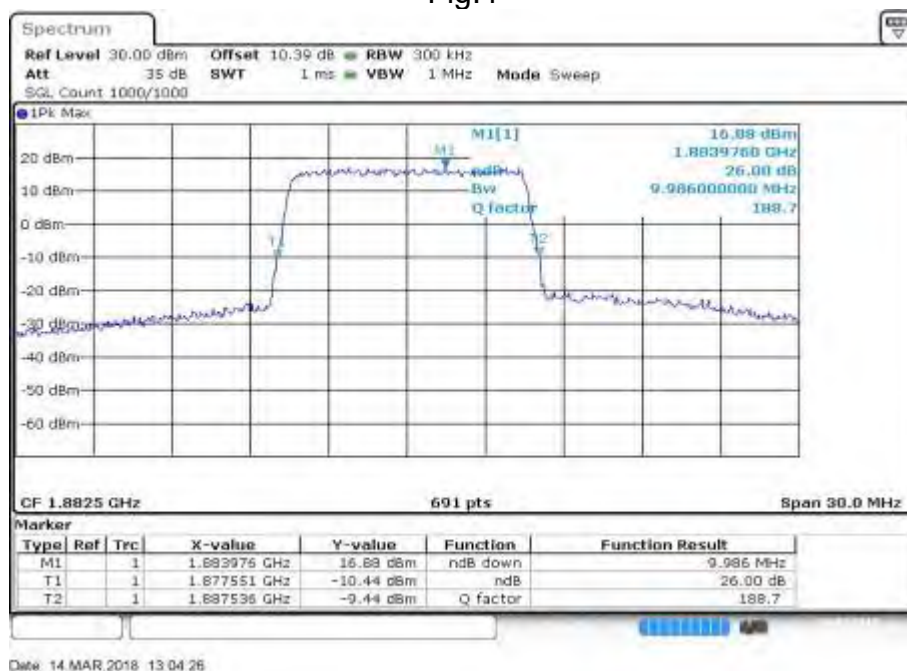


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1910	26640	10	50	0	9.986	Fig.4	9.986	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1857.5	26115	15	75	0	14.718	Fig.4	14.718	Fig.8

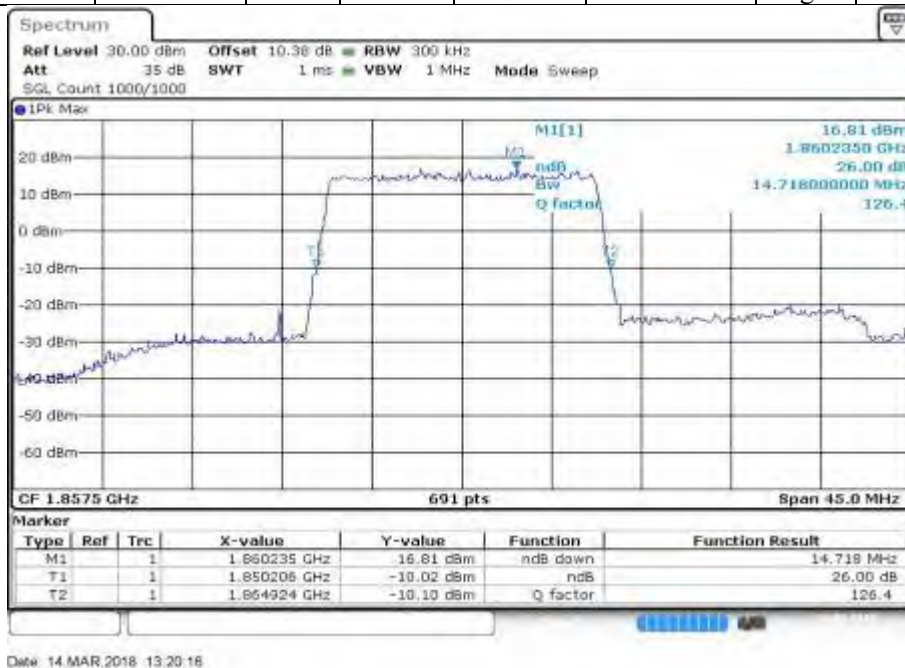


Fig.4

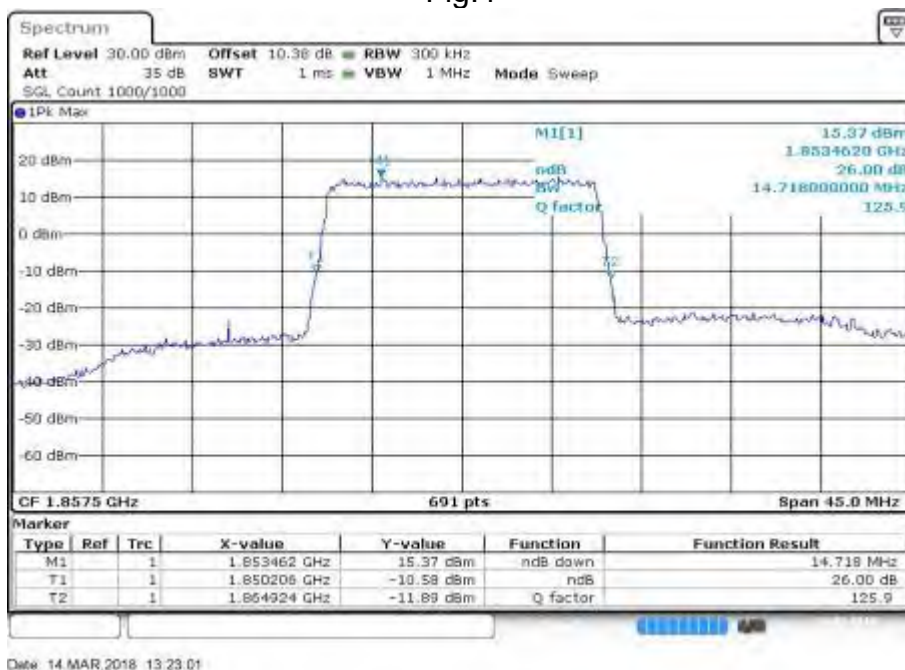


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	15	75	0	14.653	Fig.4	14.718	Fig.8

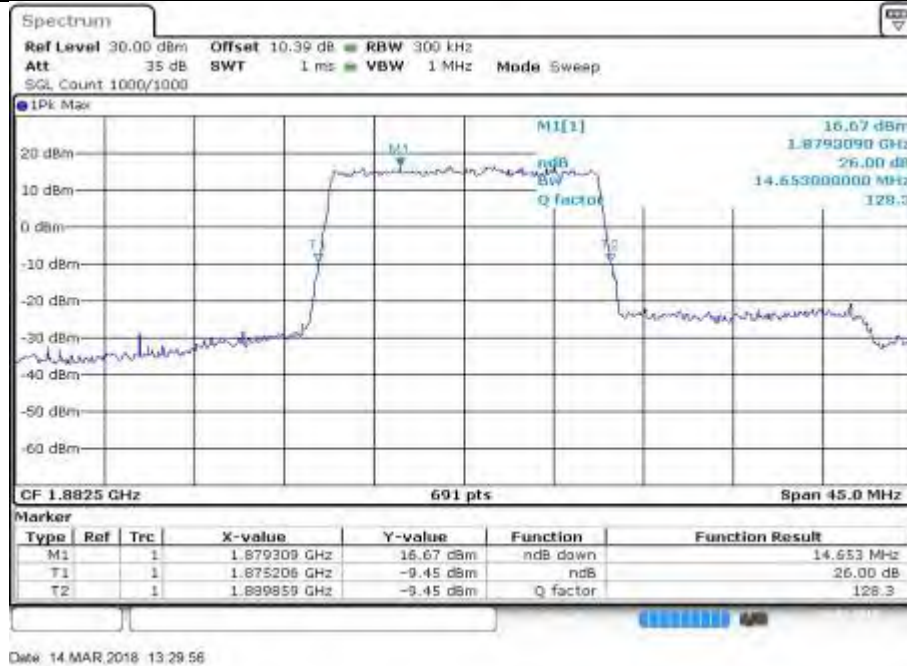


Fig.4

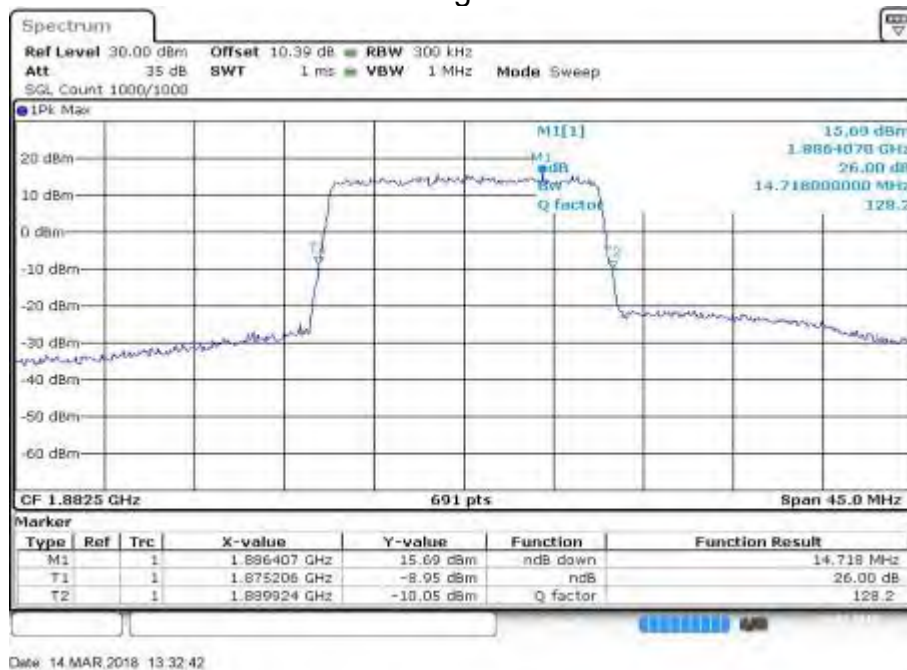


Fig.8

Spectrum

Ref Level 30.00 dBm Offset 10.39 dB RBW 300 kHz
Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep
SGL Count 1000/1000

● Lpk Max

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm

M1[1] 17.50 dBm
1.9138170 GHz
26.00 dB
14.84800000 MHz
128.9

0.00 Bw
Q factor

CF 1.9075 GHz 691 pts Span 45.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.913817 GHz	17.50 dBm	ndB down	14.848 MHz
T1		1	1.900076 GHz	-7.50 dBm	ndB	26.00 dB
T2		1	1.914924 GHz	-8.97 dBm	Q factor	128.9

Date 14 MAR 2021 13:38:45

Spectrum

Ref Level 30.00 dBm Offset 10.39 dB RBW 300 kHz
Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep
SQL Count 1000/1000

• 1Pk Max

MI[1]
M1
Q factor
T1
T2

16.47 dBm
1.9136220 GHz
26.00 dB
14.653000000 MHz
130.6

CF 1.9075 GHz 691 pts Span 45.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.913622 GHz	16.47 dBm	ndB down	14.653 MHz
T1		1	1.900206 GHz	-10.97 dBm	ndB	26.00 dB
T2		1	1.914859 GHz	-8.78 dBm	Q factor	130.6

Date 14 MAR 2018 13:41:30

Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1860	26140	20	100	0	19.190	Fig.4	19.276	Fig.8

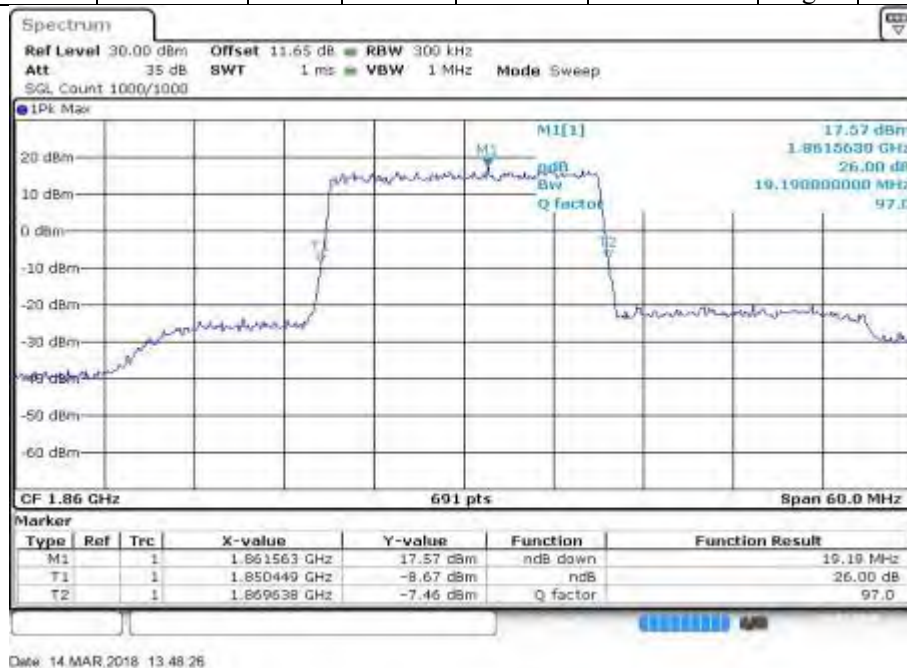


Fig.4

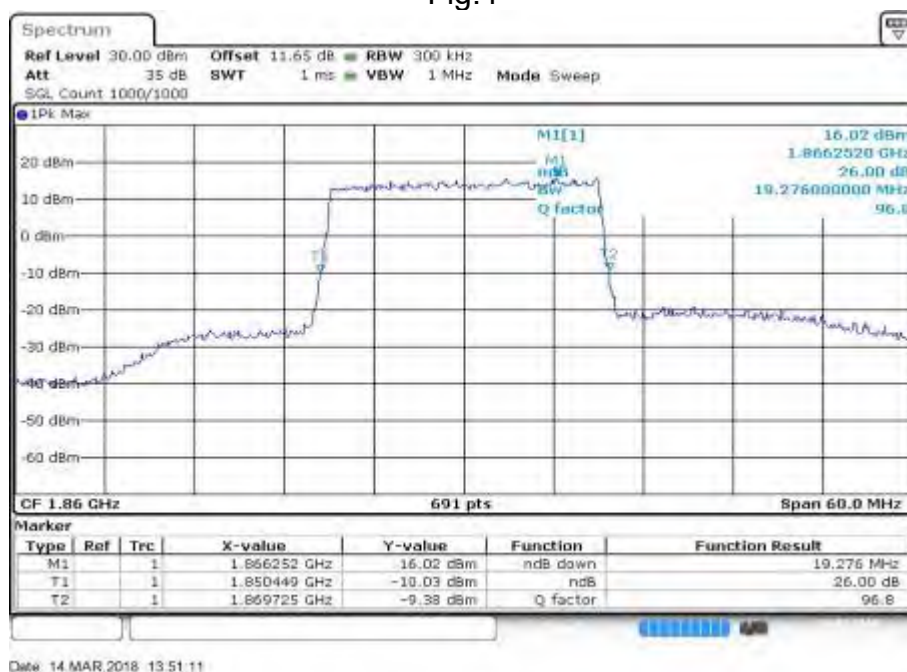


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1882.5	26365	20	100	0	19.103	Fig.4	19.363	Fig.8

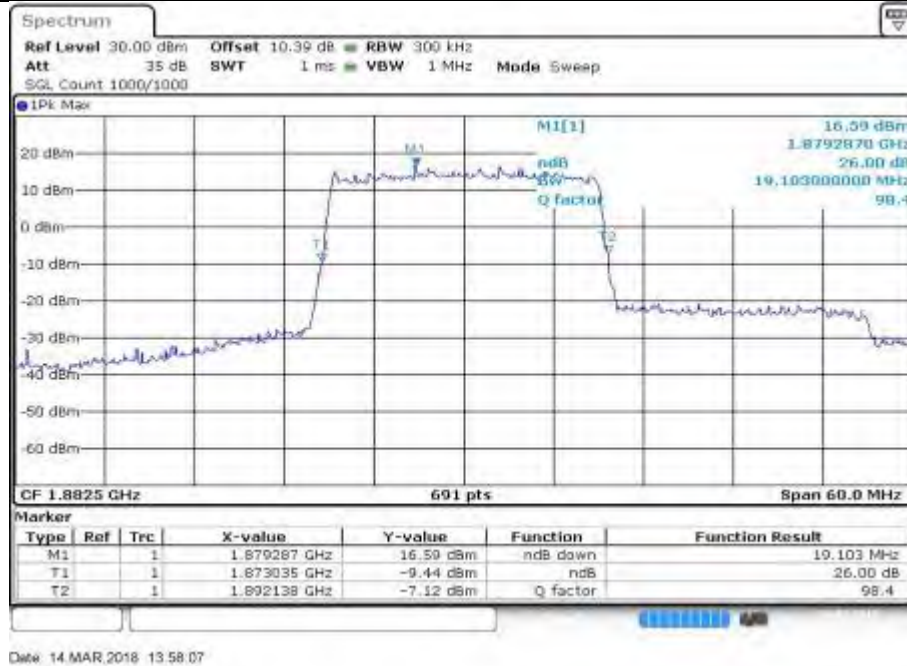


Fig.4

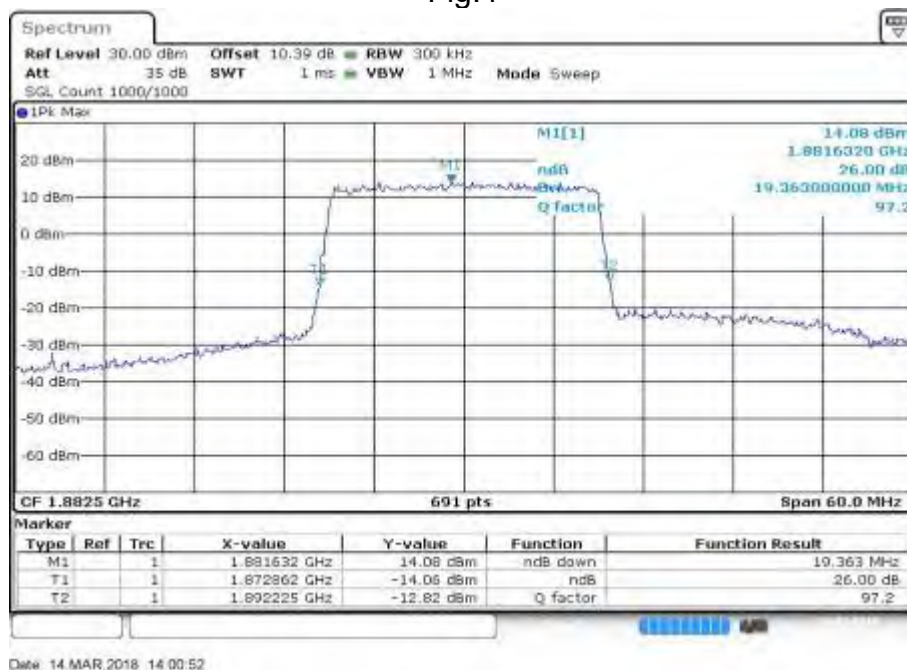


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
25	1905	26590	20	100	0	19.537	Fig.4	19.450	Fig.8

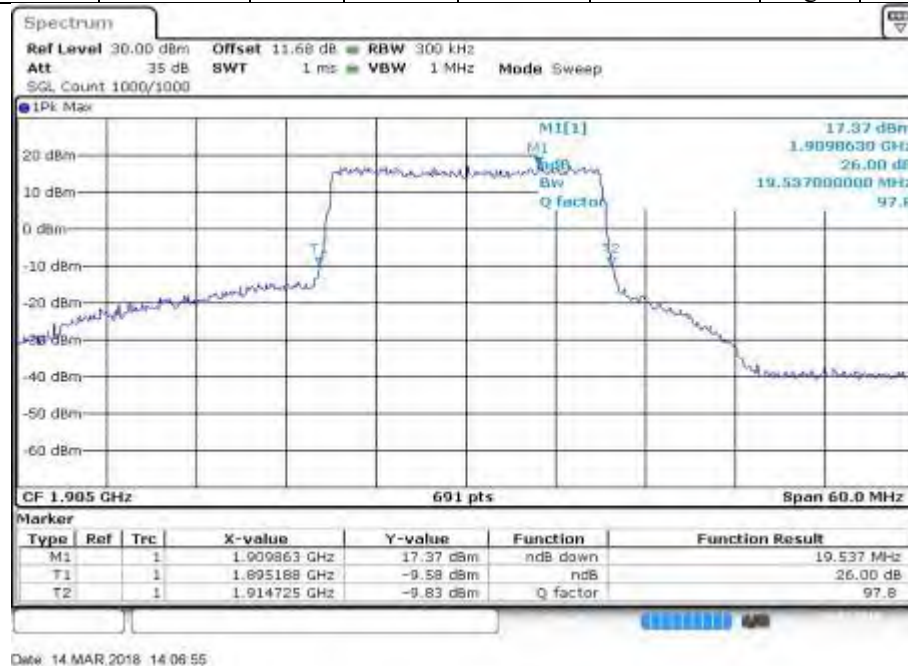


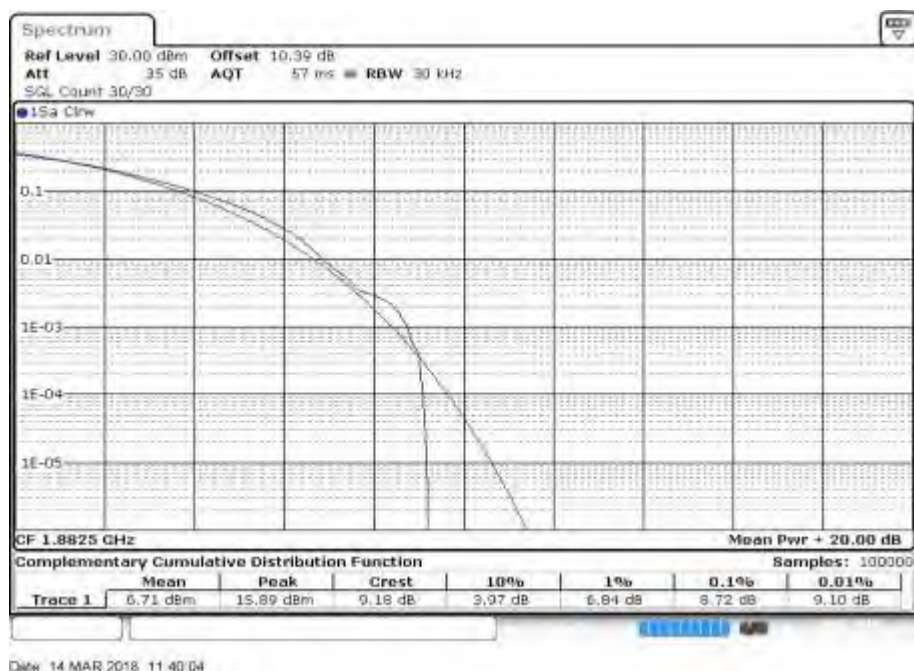
Fig.4



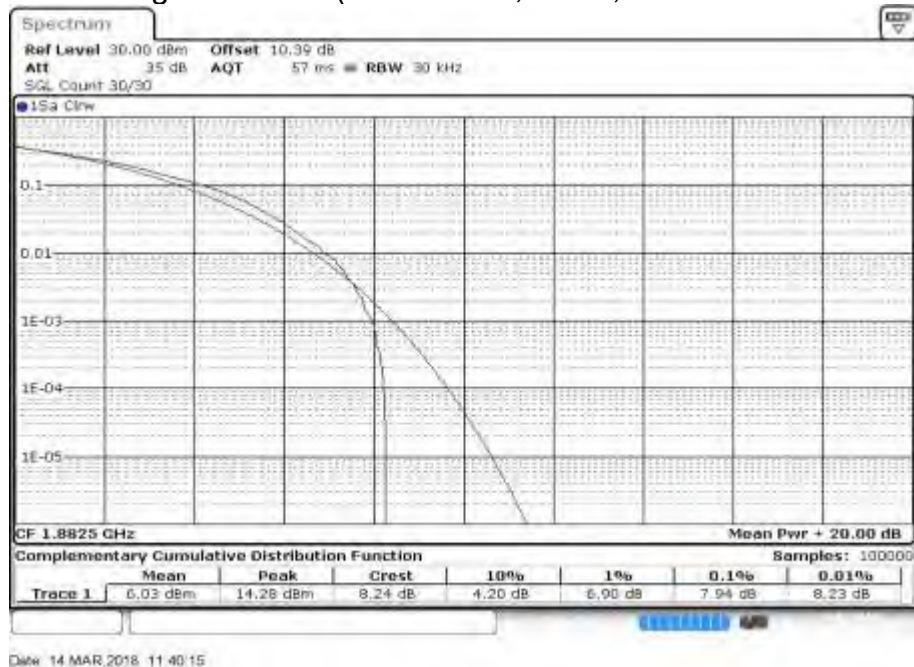
Fig.8

4 Peak-Average Ratio

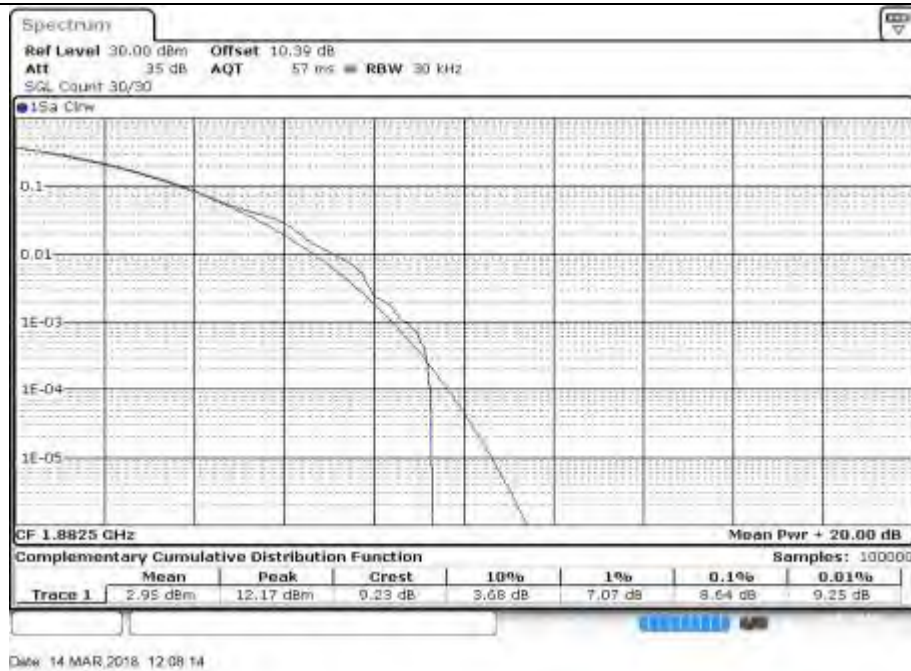
Test result:



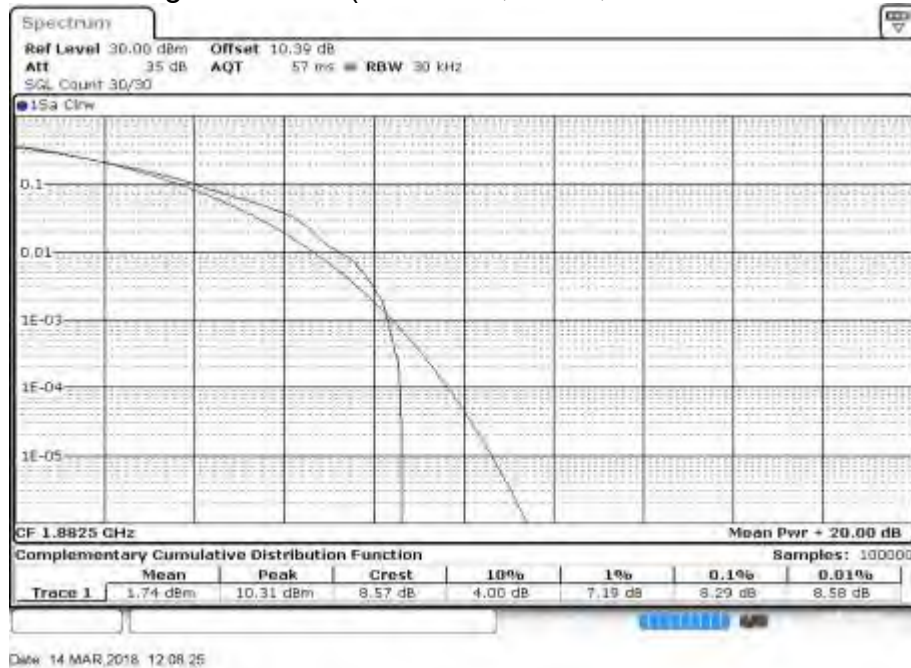
Peak-Average Ratio Plot(1.4MHz BW,QPSK,Band 25-mid Channel)



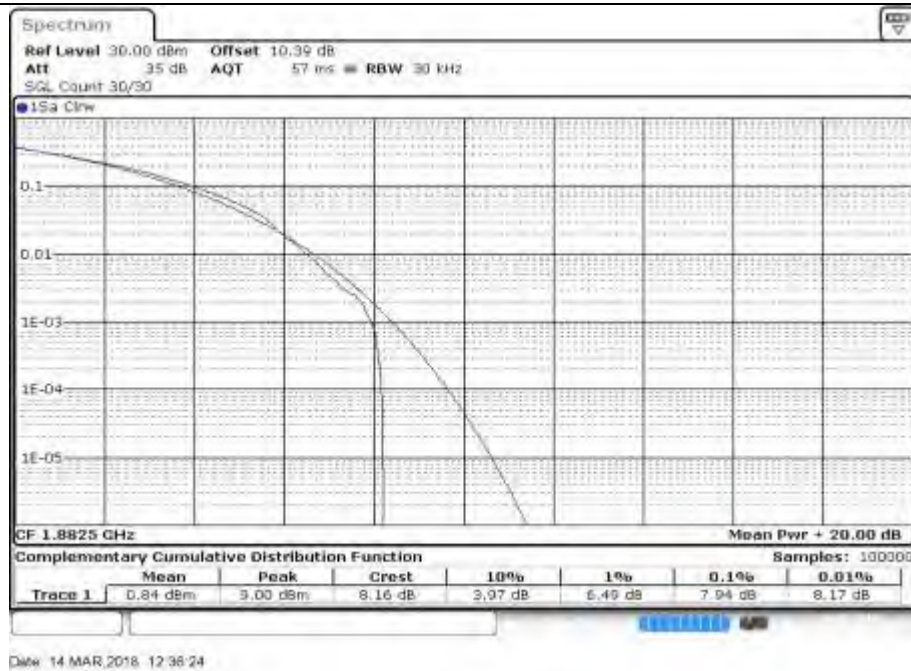
Peak-Average Ratio Plot(1.4MHz BW,16QAM,Band 25-mid Channel)



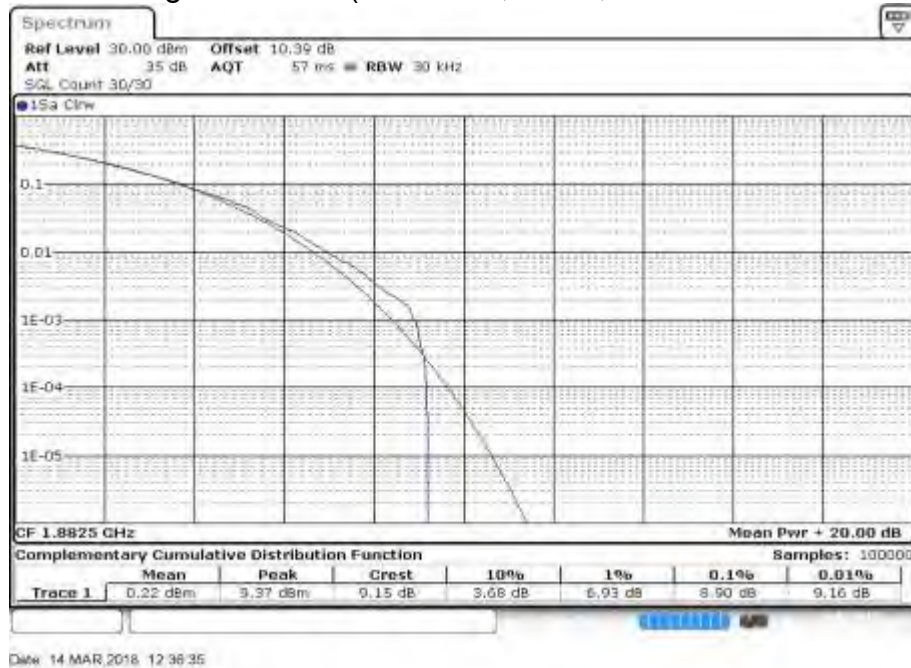
Peak-Average Ratio Plot(3MHz BW,QPSK,Band 25-mid Channel)



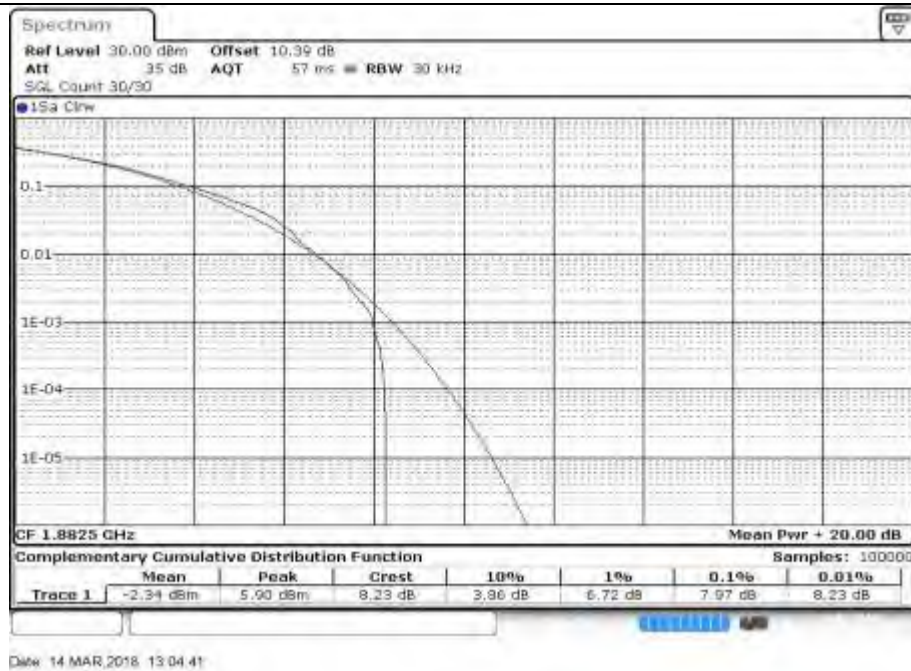
Peak-Average Ratio Plot(3MHz BW,16QAM,Band 25-mid Channel)



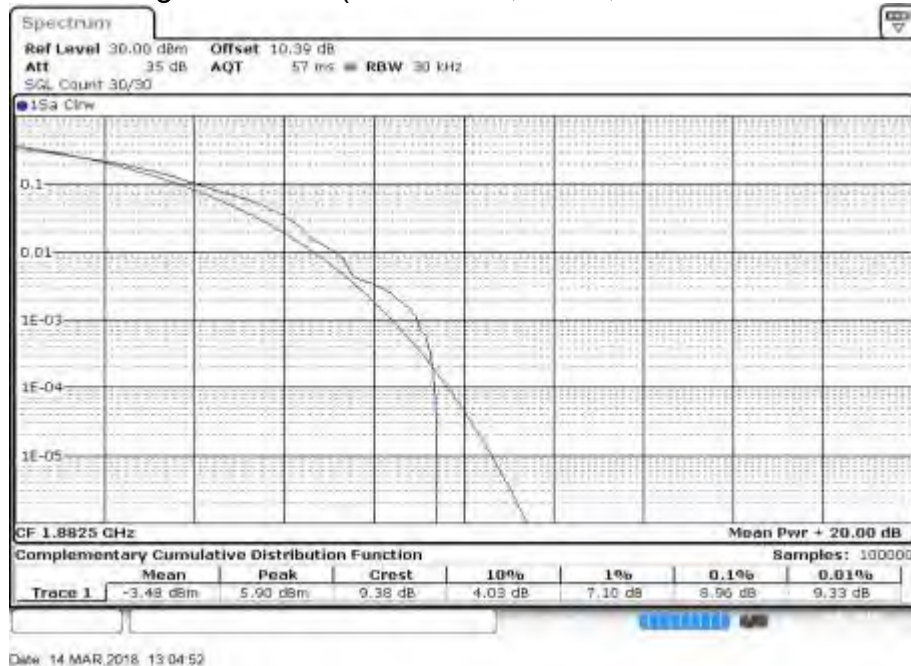
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 25-mid Channel)



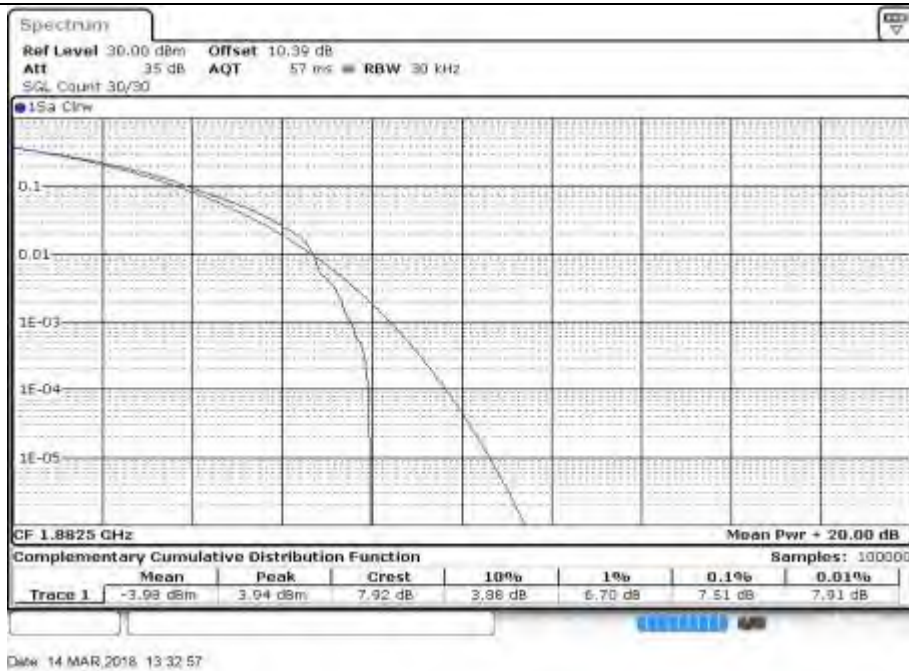
Peak-Average Ratio Plot(5MHz BW,16QAM,Band 25-mid Channel)



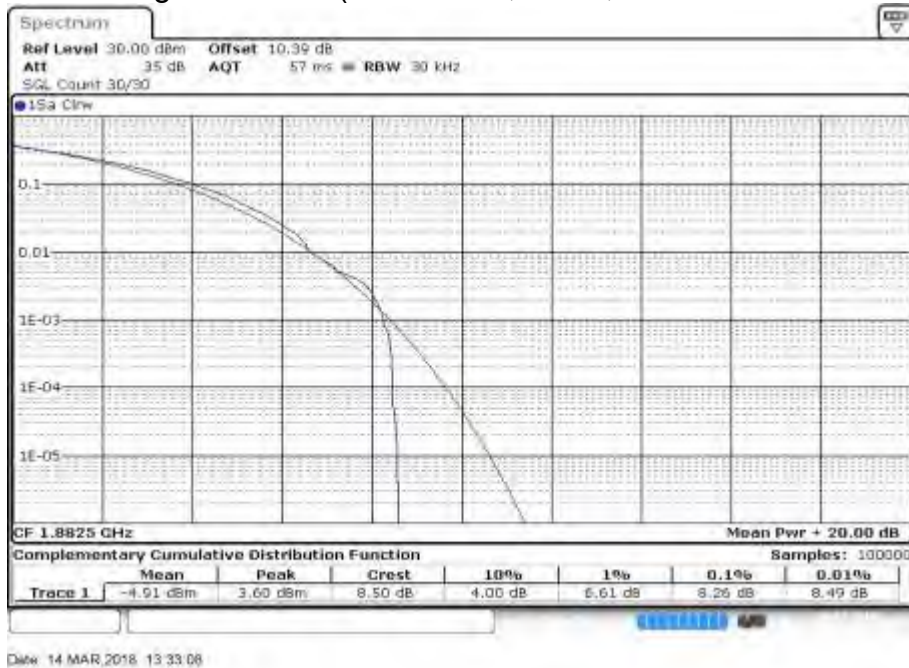
Peak-Average Ratio Plot(10MHz BW,QPSK,Band 25-mid Channel)



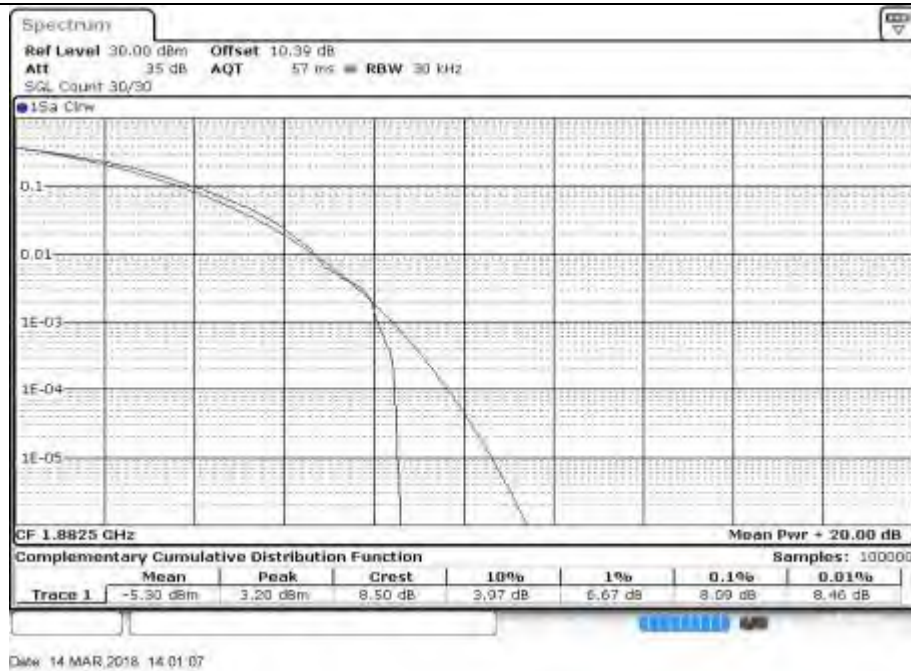
Peak-Average Ratio Plot(10MHz BW,16QAM,Band 25-mid Channel)



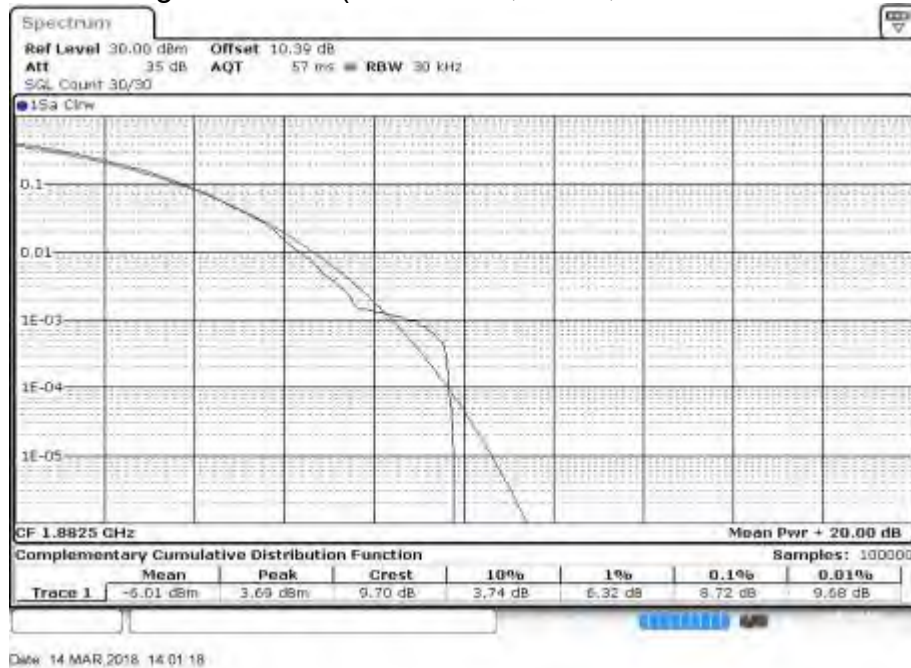
Peak-Average Ratio Plot(15MHz BW,QPSK,Band 25-mid Channel)



Peak-Average Ratio Plot(15MHz BW,16QAM,Band 25-mid Channel)



Peak-Average Ratio Plot(20MHz BW,QPSK,Band 25-mid Channel)



Peak-Average Ratio Plot(20MHz BW,16QAM,Band 25-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
25	1860	26140	20	100	0	Fig.4	Fig.8

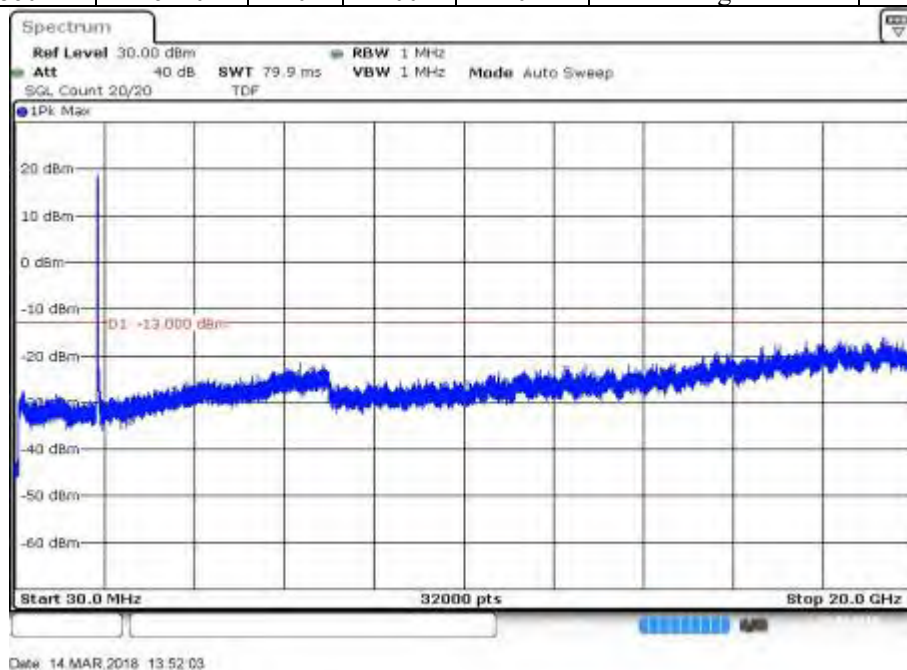


Fig.4

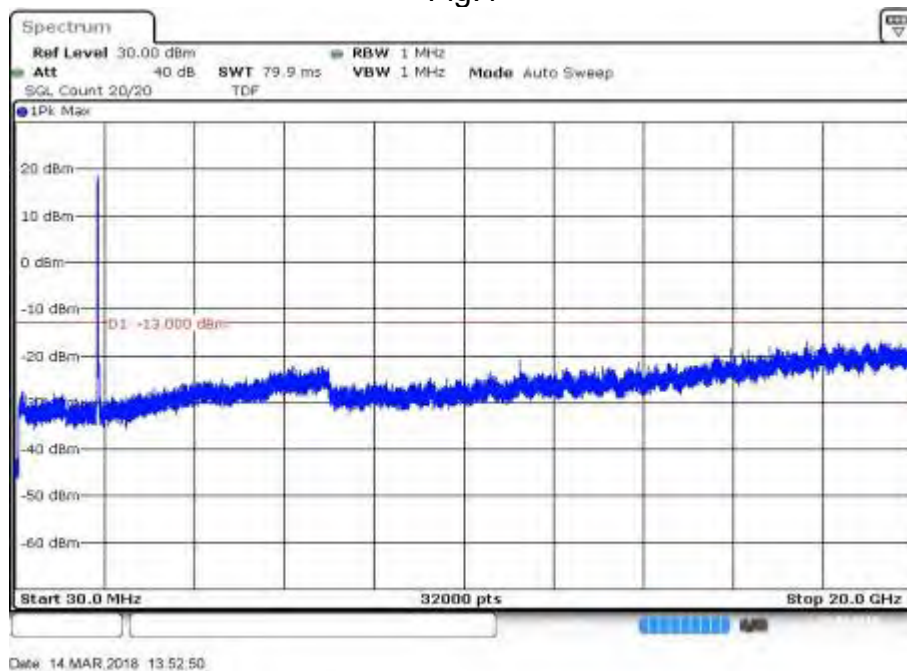


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
25	1882.5	26365	20	100	0	Fig.4	Fig.8

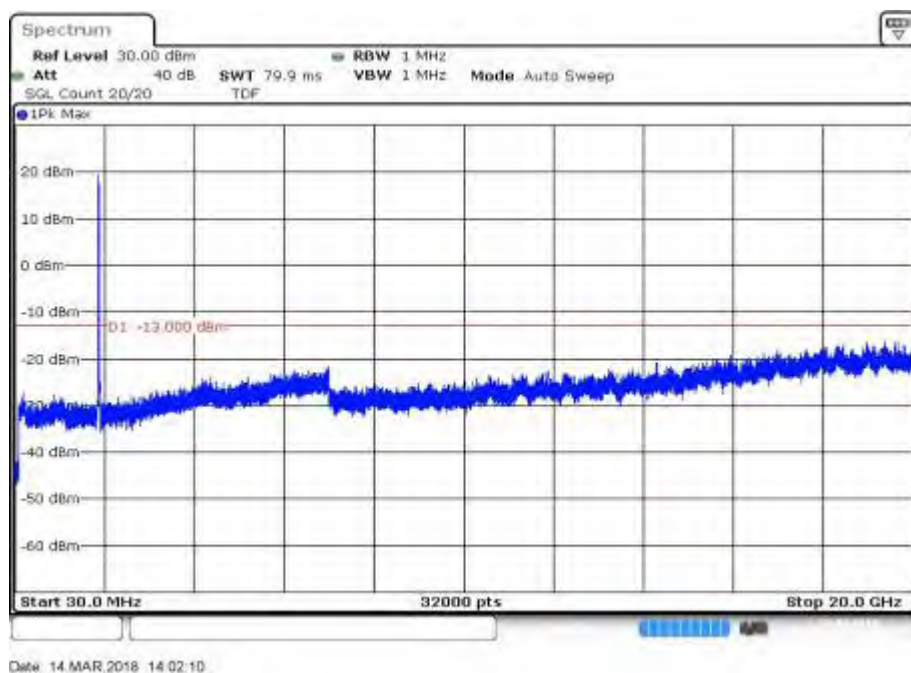


Fig.4

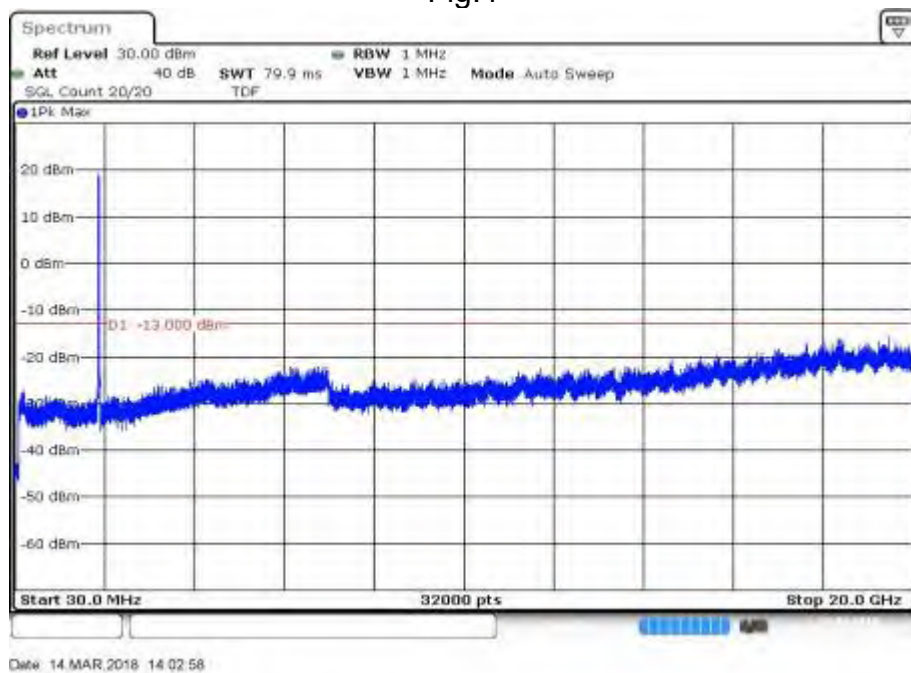


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
25	1905	26590	20	100	0	Fig.4	Fig.8

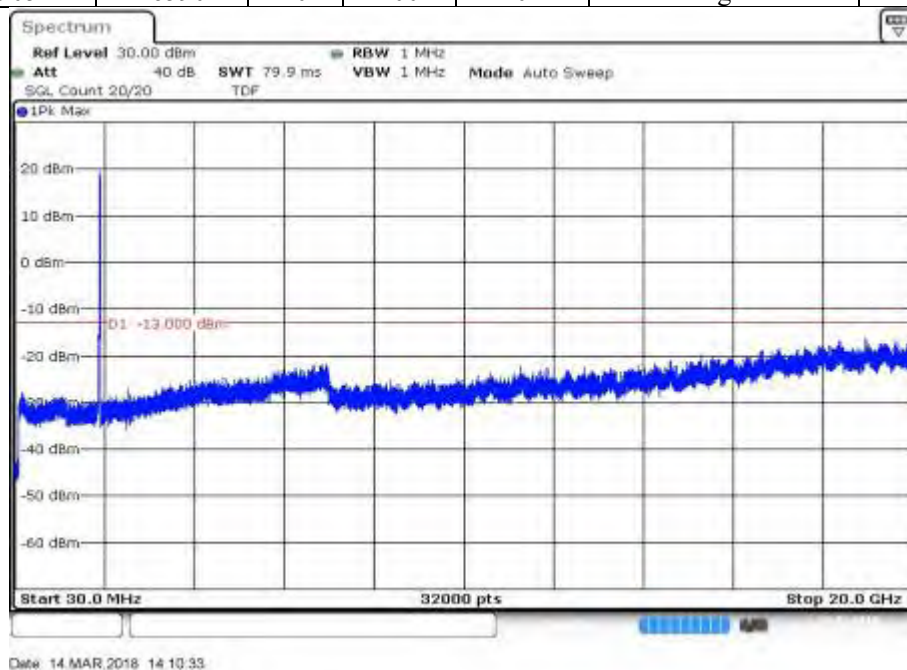


Fig.4

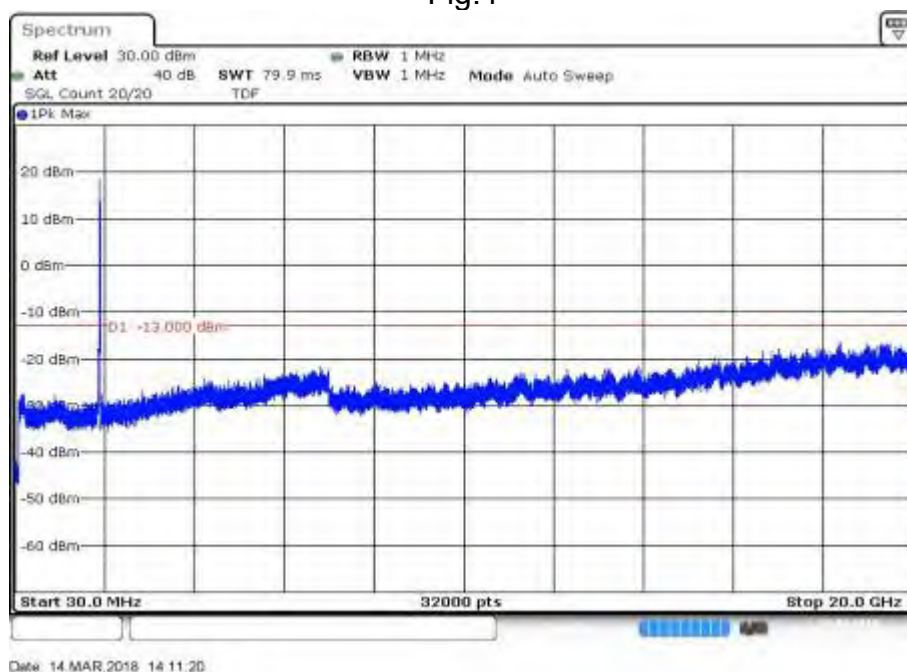


Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1850.7	26047	1.4	1	0	Fig.1
				6	0	Fig.4

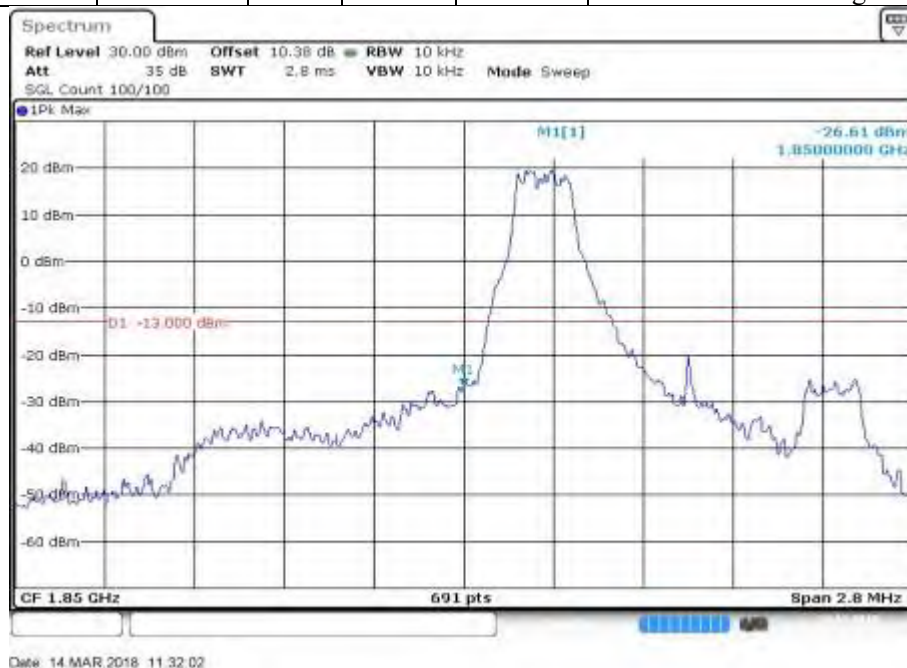


Fig.1

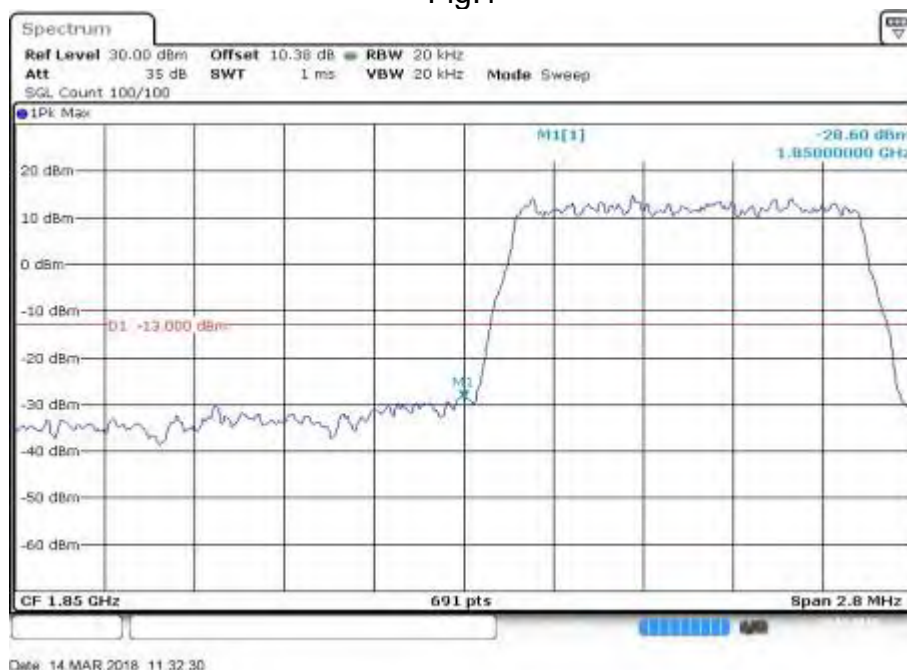


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1914.3	26683	1.4	1	0	Fig.1
				6	0	Fig.4

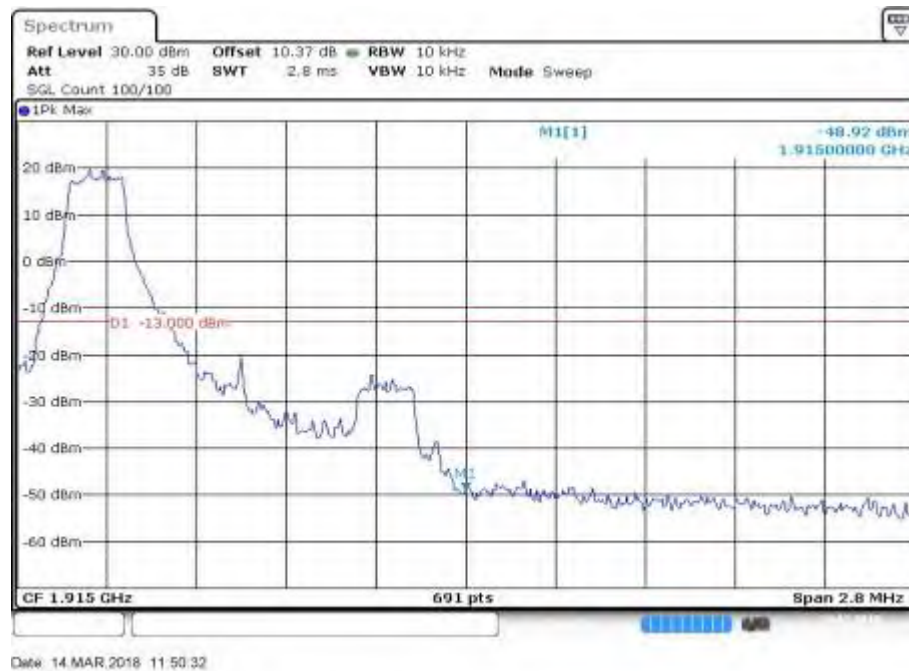


Fig.1

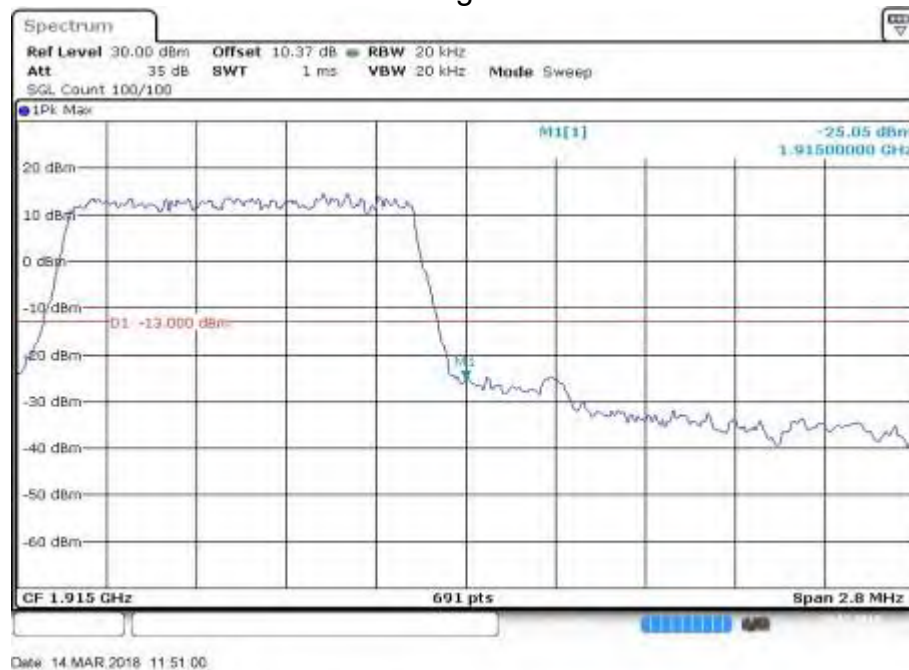


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1851.5	26055	3	1	0	Fig.1
				6	0	Fig.4

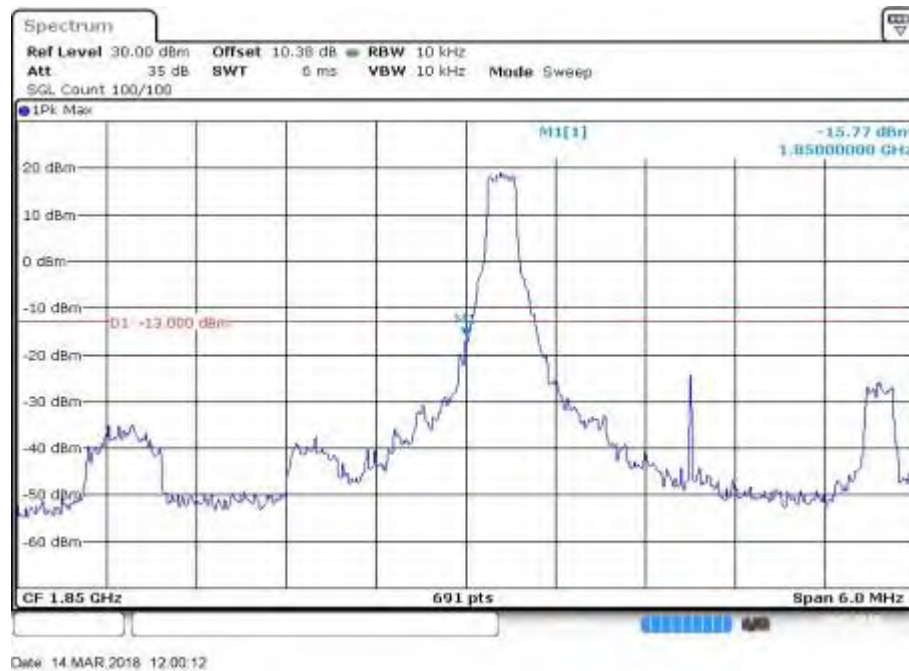


Fig.1

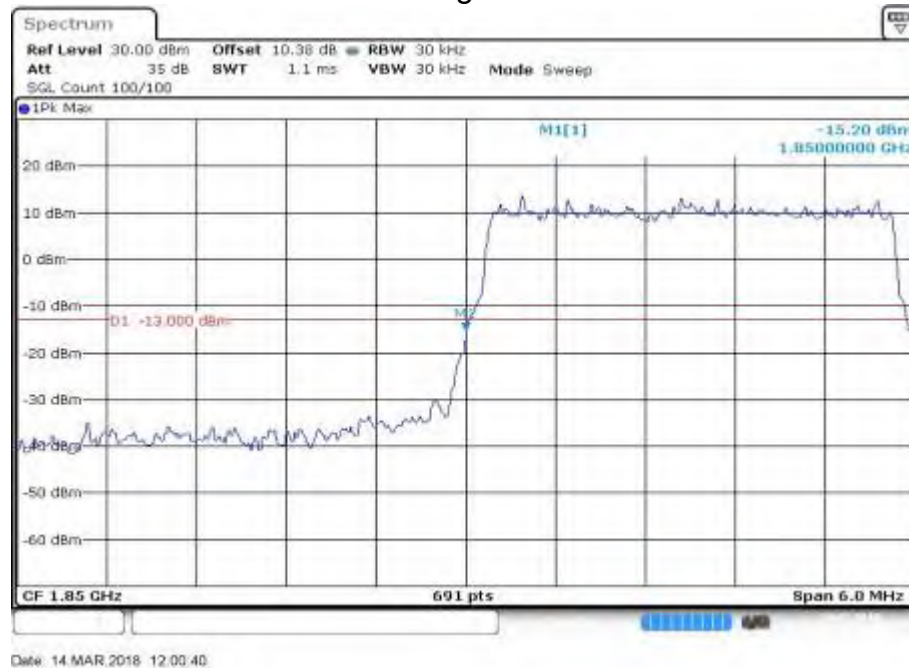


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1913.5	26675	3	1	0	Fig.1
				6	0	Fig.4

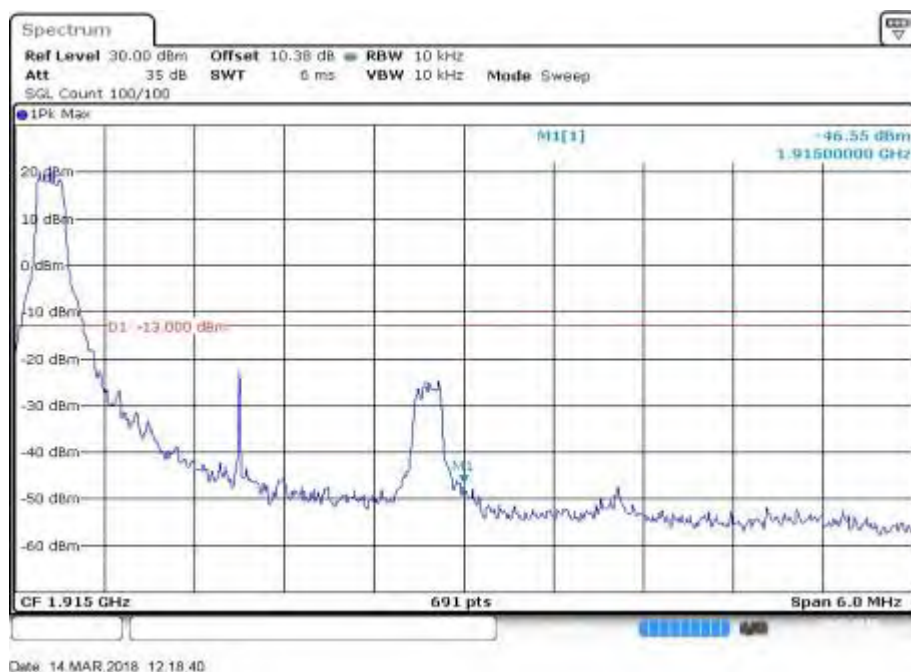


Fig.1

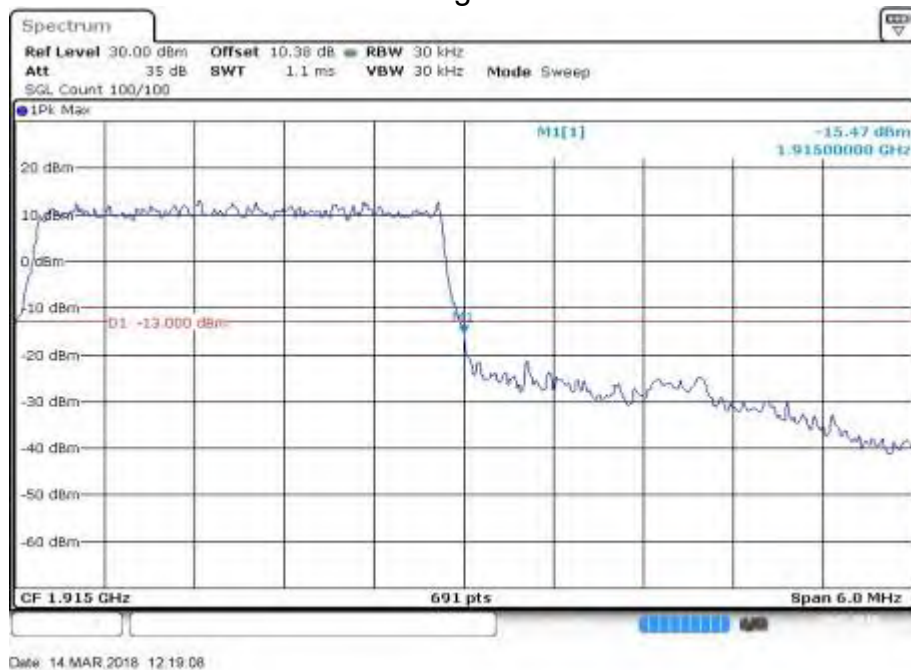


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1852.5	26065	5	1	0	Fig.1
				25	0	Fig.4

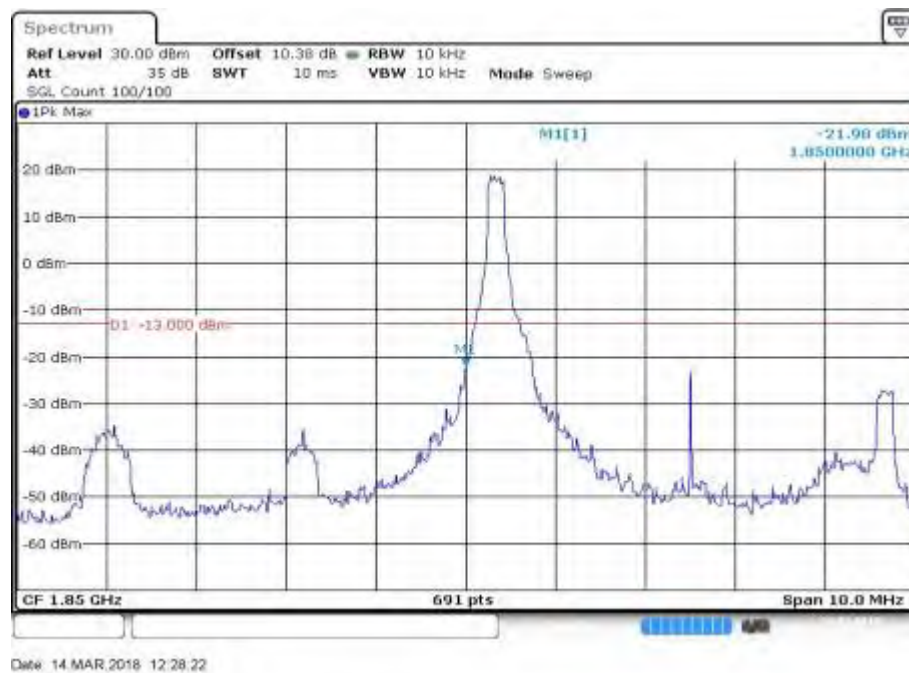


Fig.1

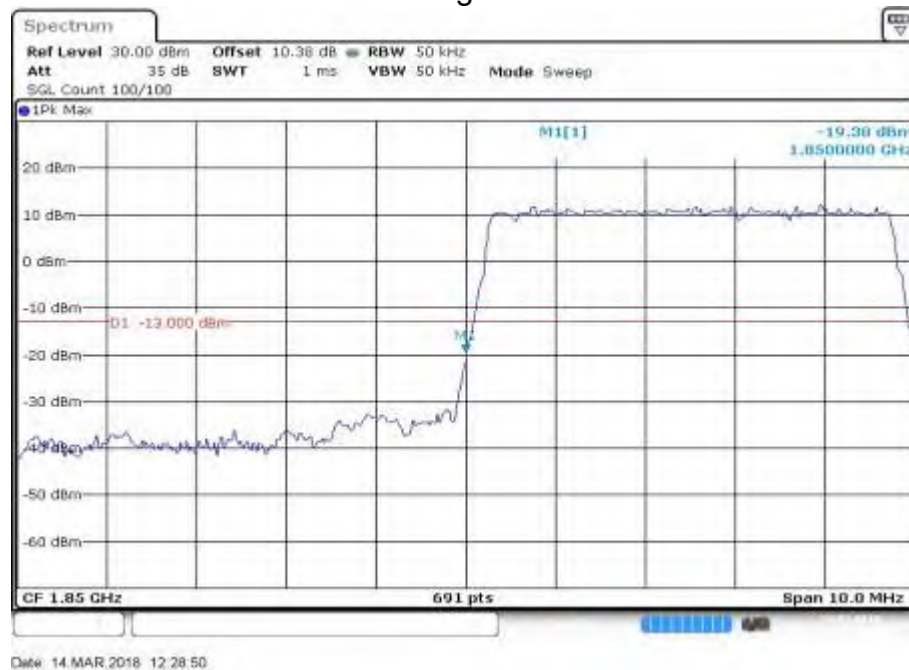


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1912.5	26665	5	1	0	Fig.1
				25	0	Fig.4



Fig.4

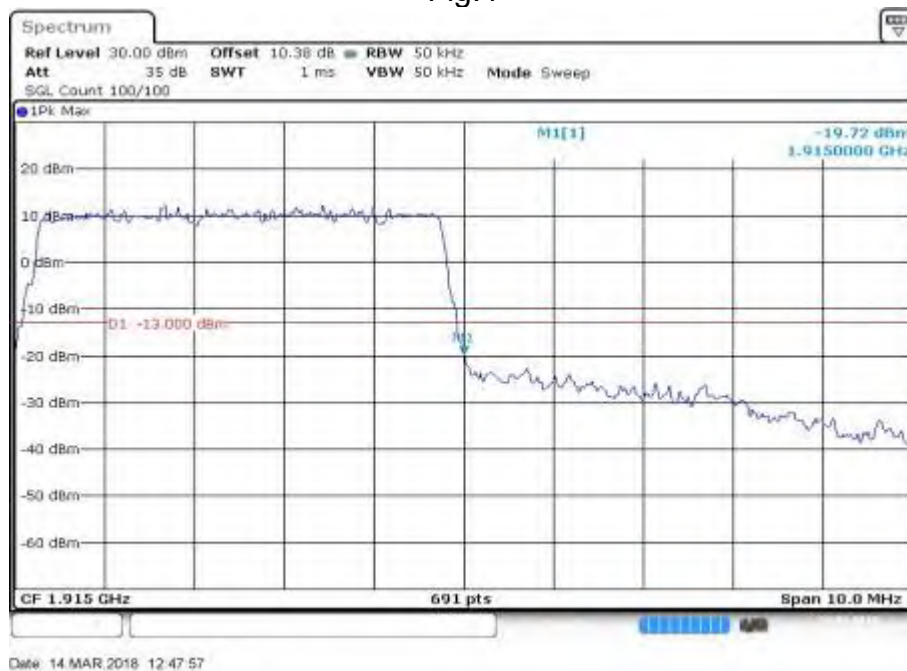


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1855	26090	10	1	0	Fig.1
				50	0	Fig.4

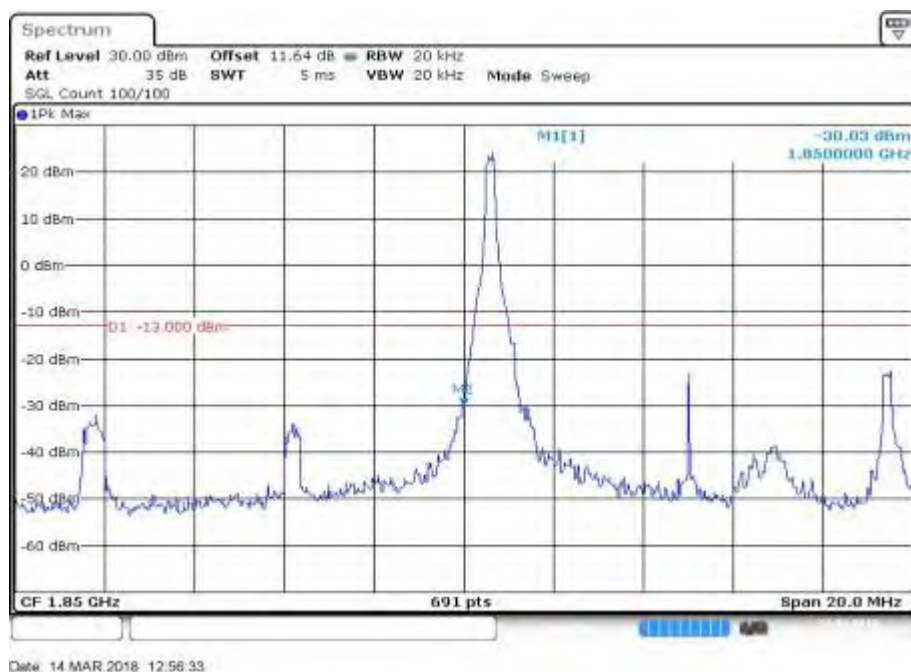


Fig.1

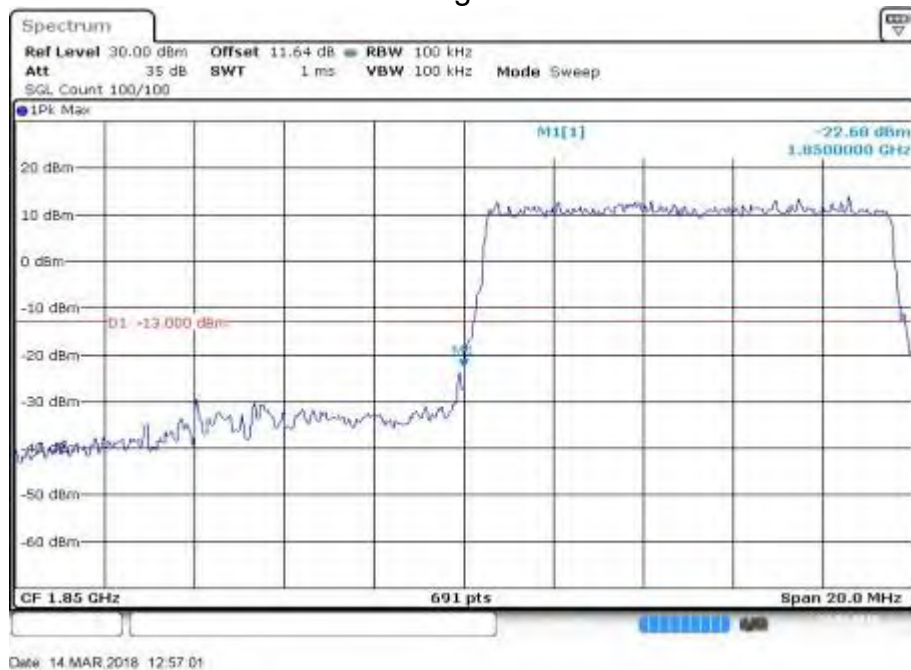


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1910	26640	10	1	0	Fig.1
				50	0	Fig.4

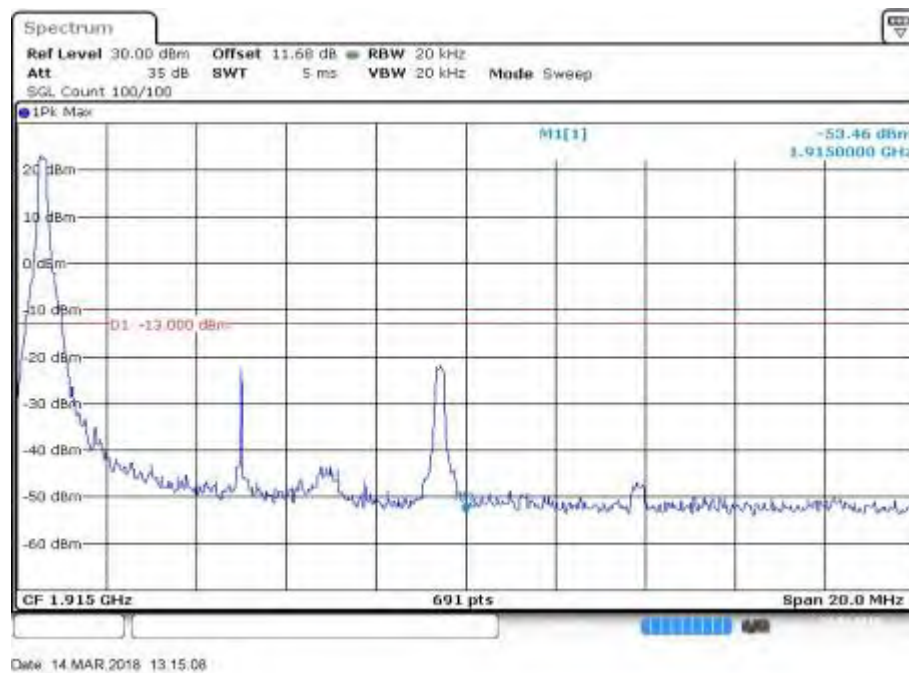


Fig.1

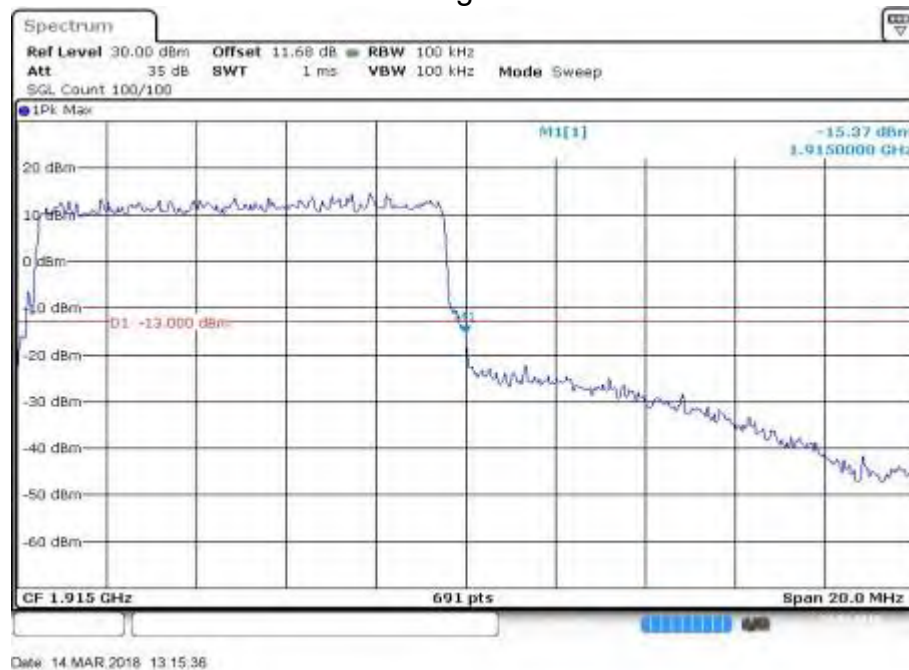


Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1857.5	26115	15	1	0	Fig.1
				75	0	Fig.4

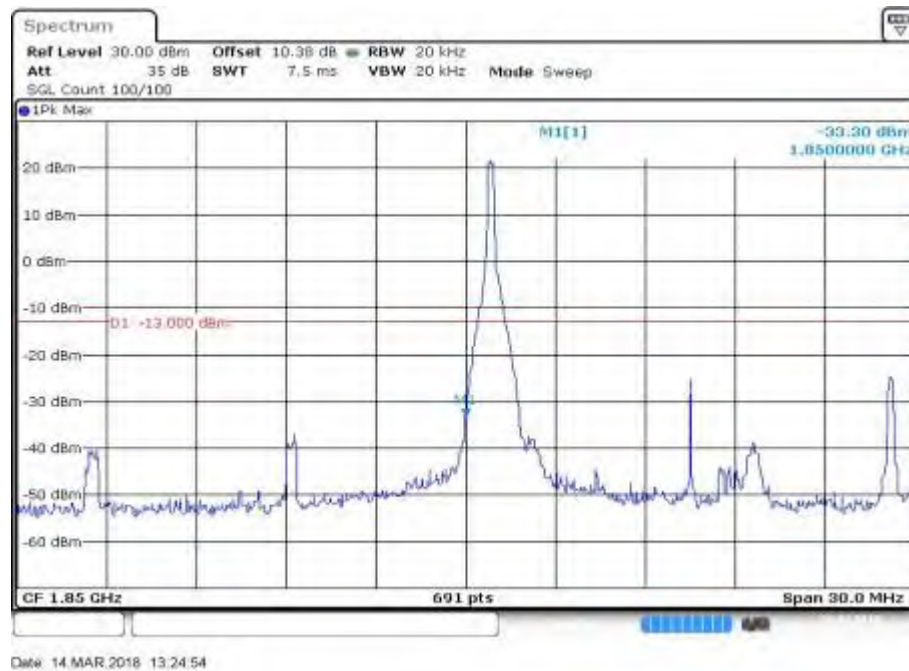


Fig.1

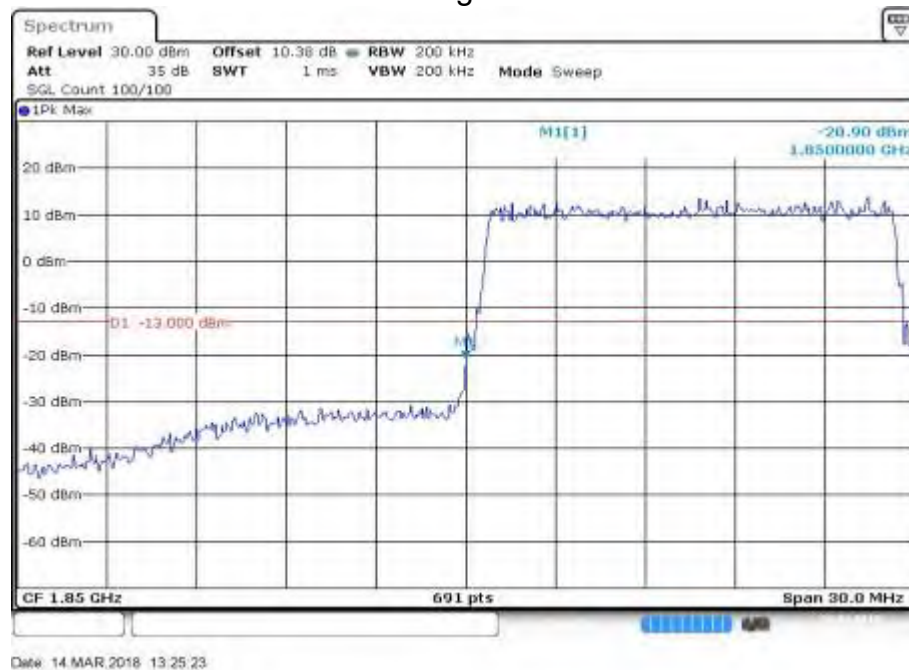


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1907.5	26615	15	1	0	Fig.1
				75	0	Fig.4

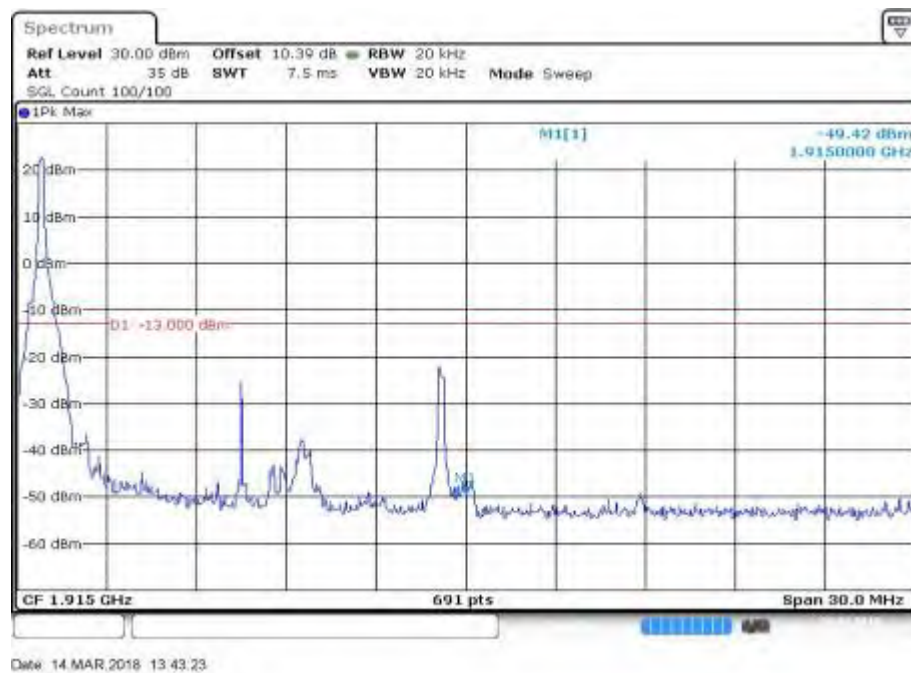


Fig.1



Fig.4

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1860	26140	20	1	0	Fig.1
				100	0	Fig.4

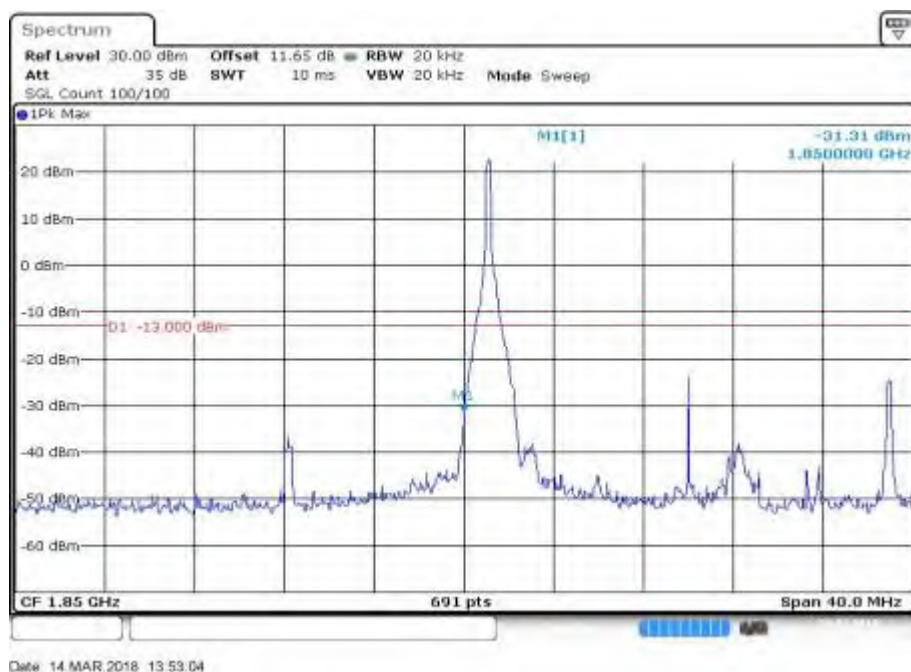


Fig.1

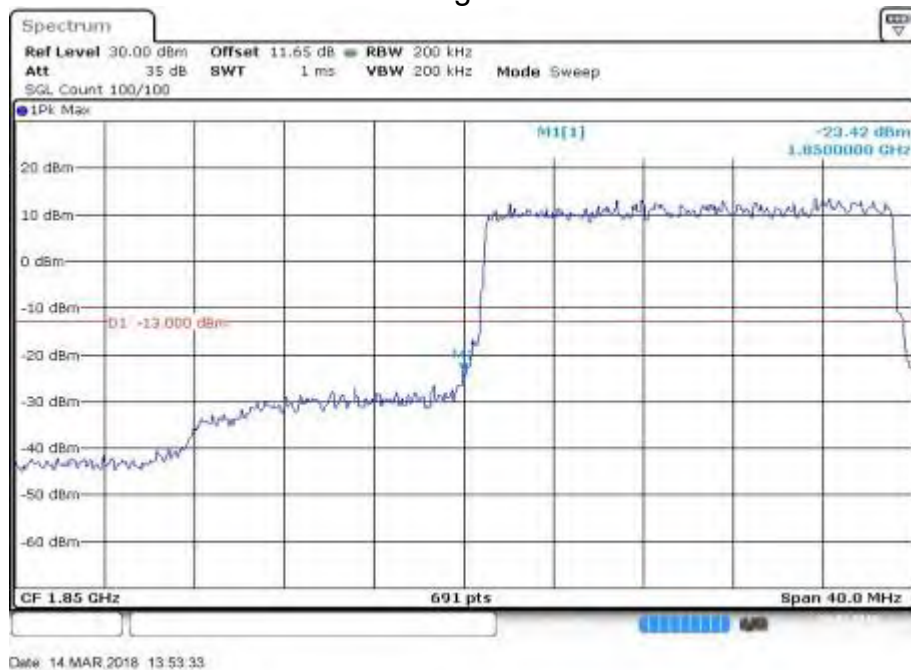


Fig.4

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
25	1905	26590	20	1	0	Fig.1
				100	0	Fig.4

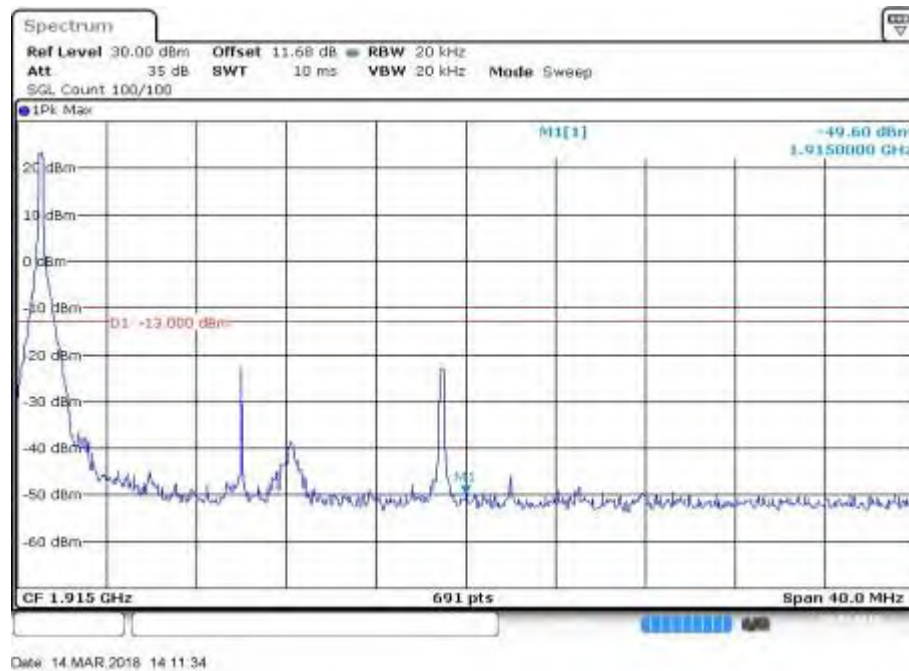


Fig.1

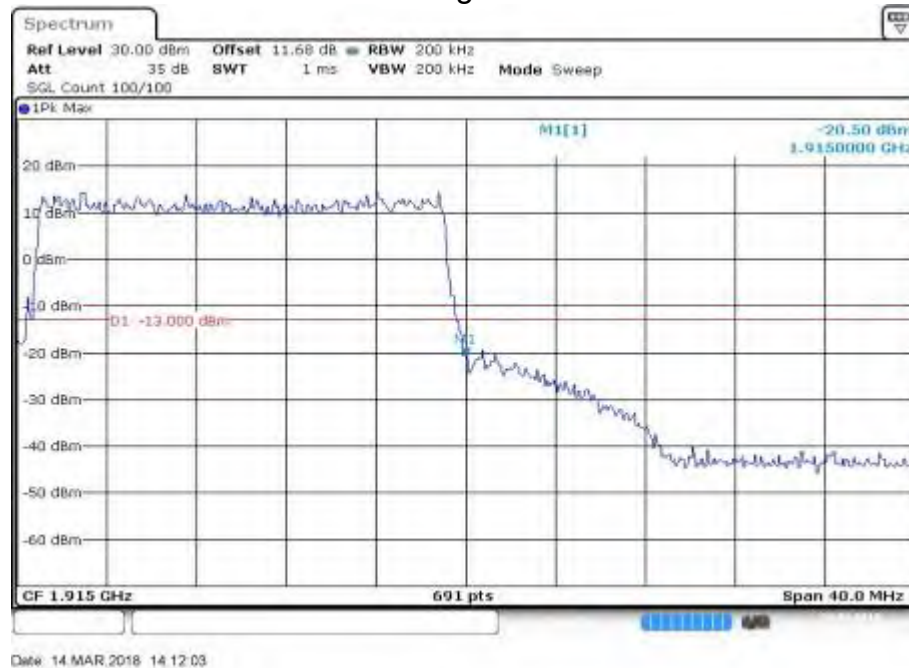


Fig.4

7 Frequency Stability

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
25	1.4	-30	-0.002	LV	0.008
		-20	-0.002		
		-10	0.001		
		0	0.003		
		10	0.004		
		20	0.002	HV	-0.005
		30	0.005		
		40	0.000		
		50	-0.009		
	3	-30	-0.001	LV	-0.001
		-20	0.000		
		-10	-0.001		
		0	0.000		
		10	-0.003		
		20	0.000	HV	-0.003
		30	-0.003		
		40	0.001		
		50	0.000		
	5	-30	-0.003	LV	-0.002
		-20	0.001		
		-10	0.000		
		0	-0.002		
		10	-0.001		
		20	-0.002	HV	-0.002
		30	-0.001		
		40	-0.002		
		50	-0.001		
	10	-30	-0.002	LV	-0.003
		-20	-0.002		
		-10	-0.002		
		0	-0.003		



		10	-0.003	HV	-0.005
		20	-0.003		
		30	-0.003		
		40	-0.005		
		50	-0.003		
	15	-30	-0.002	LV	-0.002
		-20	-0.005		
		-10	-0.003		
		0	-0.005		
		10	-0.001		
		20	-0.002	HV	-0.003
		30	-0.001		
		40	-0.006		
		50	0.000		
	20	-30	-0.003	LV	-0.003
		-20	-0.001		
		-10	-0.004		
		0	-0.004		
		10	-0.002		
		20	-0.002	HV	-0.001
		30	-0.001		
		40	-0.003		
		50	-0.003		

LTE Band 30

1 RF Power Output

Test result:

Antenna Gain:1.88dBi

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	2307.5	27685	5	1	0	23.5	25.4
				1	24	23.4	25.3
				12	6	22.4	24.3
				25	0	22.6	24.5
	2310	27710		1	0	23.5	25.4
				1	24	23.4	25.3
				12	6	22.4	24.3
				25	0	22.5	24.4
	2312.5	27735		1	0	23.5	25.4
				1	24	23.4	25.3
				12	6	22.4	24.3
				25	0	22.4	24.3

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	2307.5	27685	5	1	0	22.8	24.7
				1	24	22.7	24.6
				12	6	21.5	23.4
				25	0	21.6	23.5
	2310	27710		1	0	22.5	24.4
				1	24	22.5	24.4
				12	6	21.4	23.3
				25	0	21.5	23.4
	2312.5	27735		1	0	22.4	24.3
				1	24	22.4	24.3
				12	6	21.5	23.4
				25	0	21.5	23.4



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
QPSK	2310	27710	10	1	0	23.5	25.4
				1	49	23.3	25.2
				24	12	22.4	24.3
				50	0	22.5	24.4

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average(dBm)
16QAM	2310	27710	10	1	0	23.2	25.1
				1	24	23.0	24.9
				12	6	21.5	23.4
				25	0	21.5	23.4

2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2307.5	27685	5	25	0	4.515	Fig.4	4.515	Fig.8

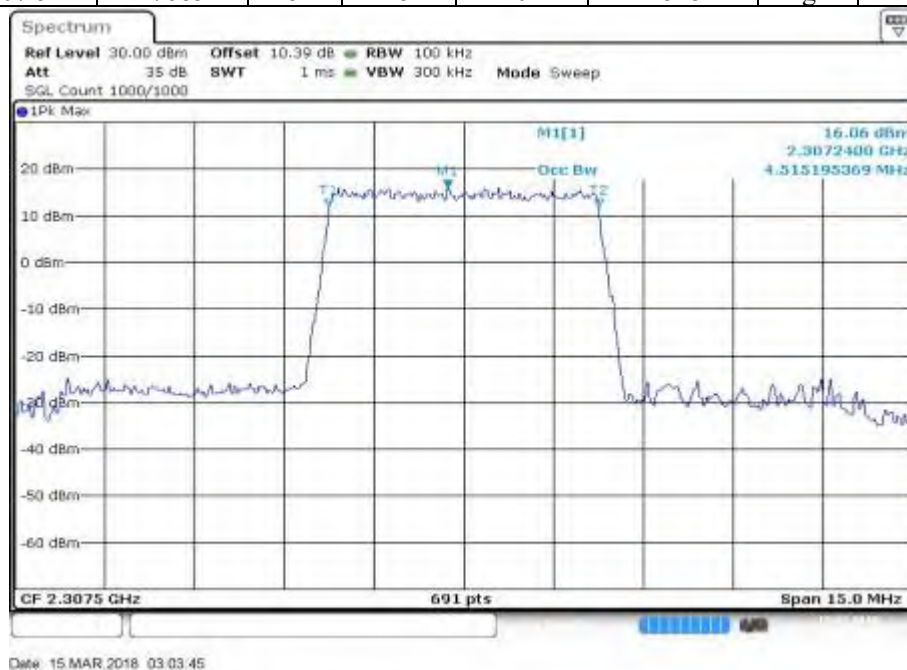


Fig.4

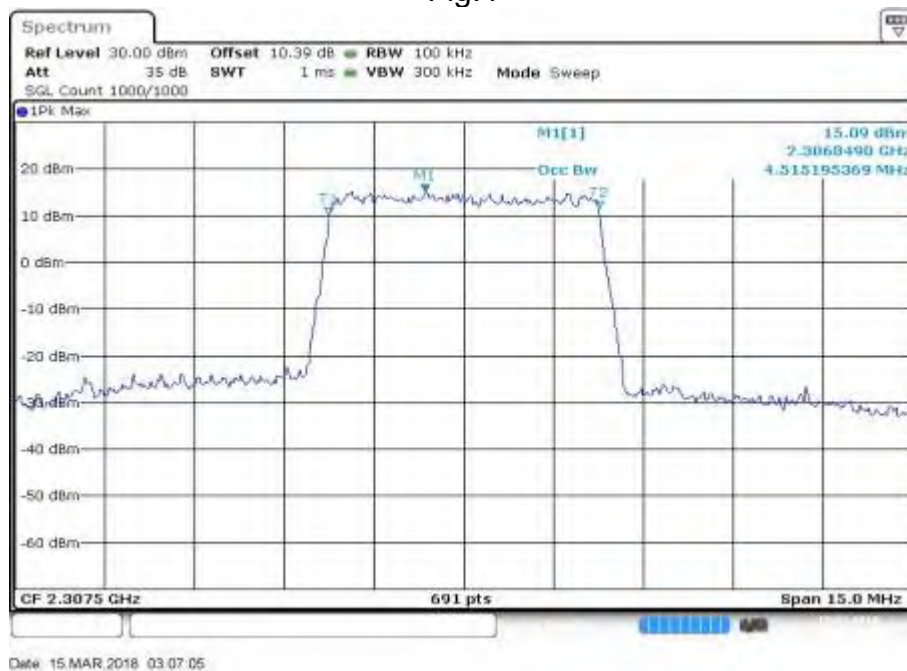


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2310	27710	5	25	0	4.515	Fig.4	4.537	Fig.8

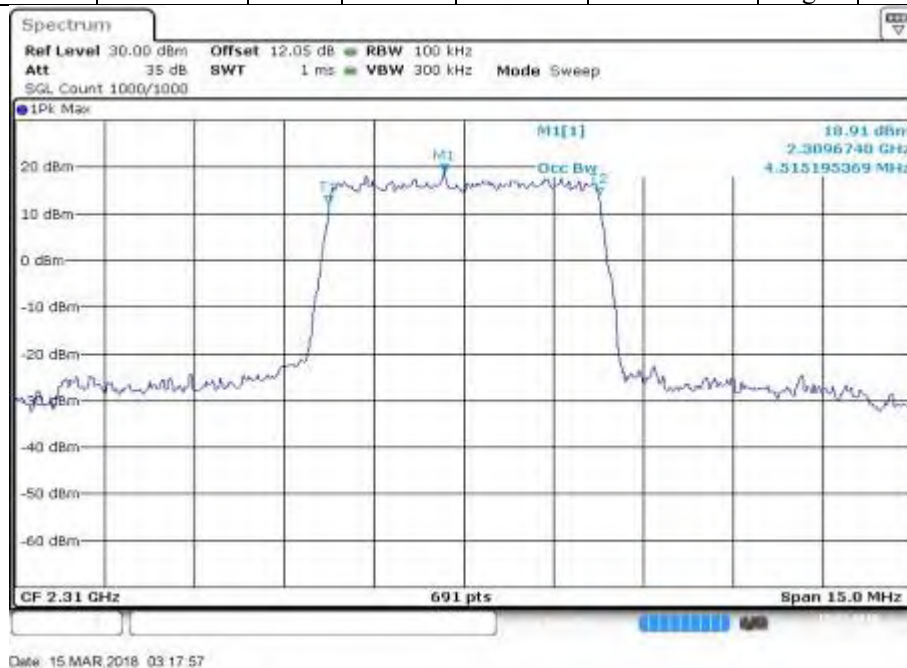


Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2312.5	27735	5	25	0	4.515	Fig.4	4.515	Fig.8



Fig.4



Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.074	Fig.4	9.117	Fig.8

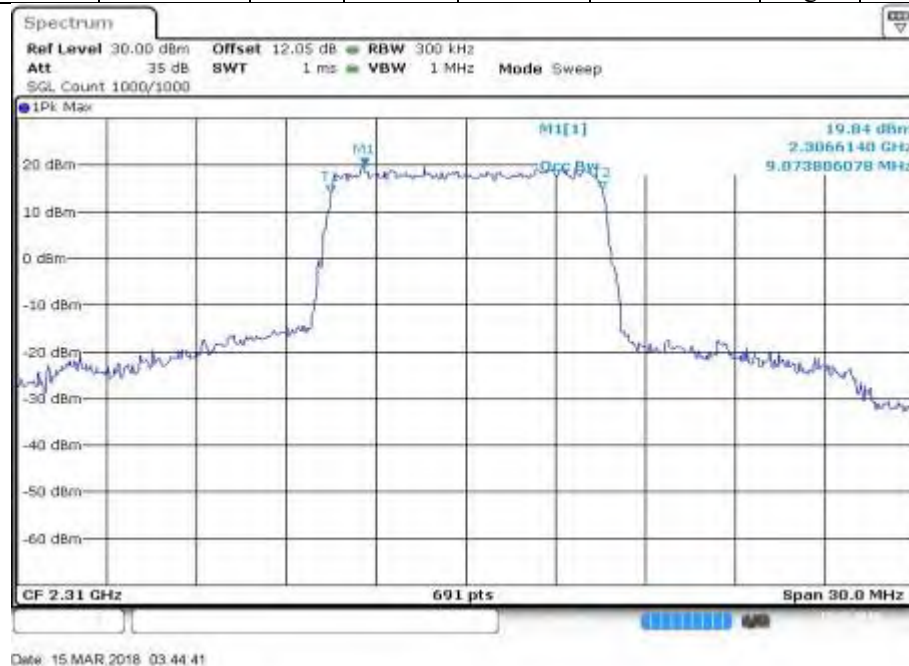


Fig.4

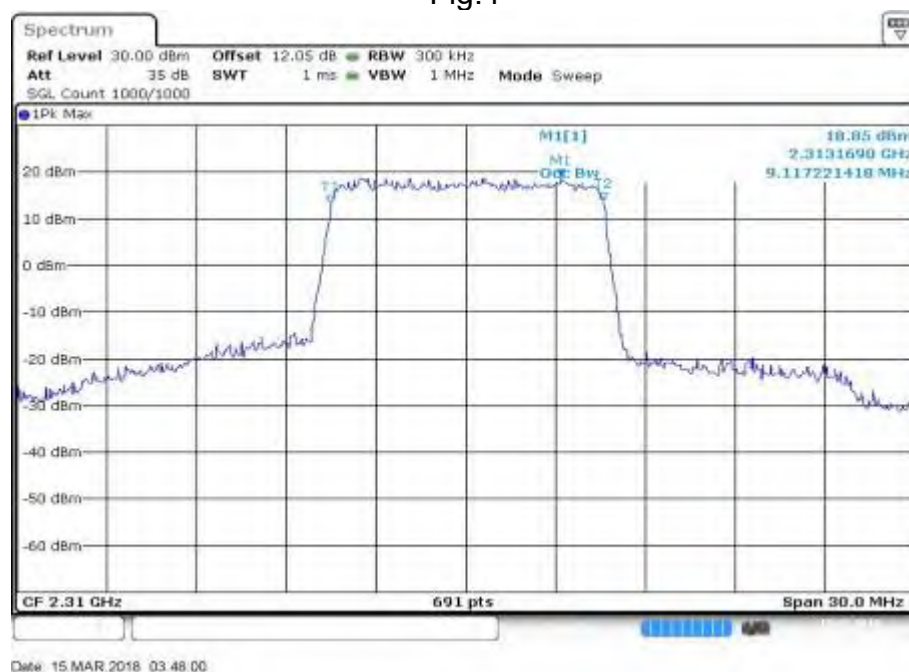


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.074	Fig.4	9.074	Fig.8

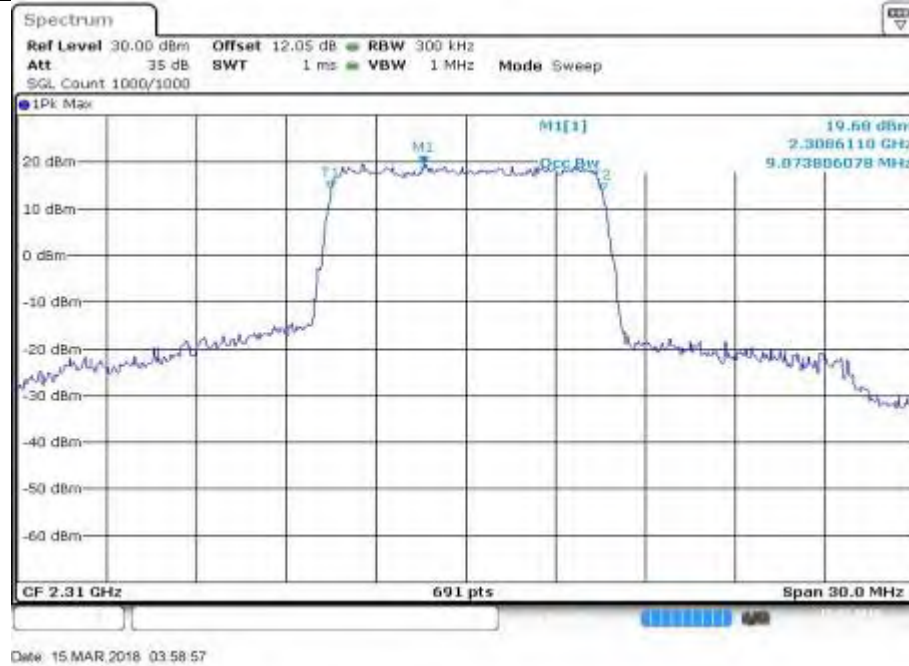


Fig.4

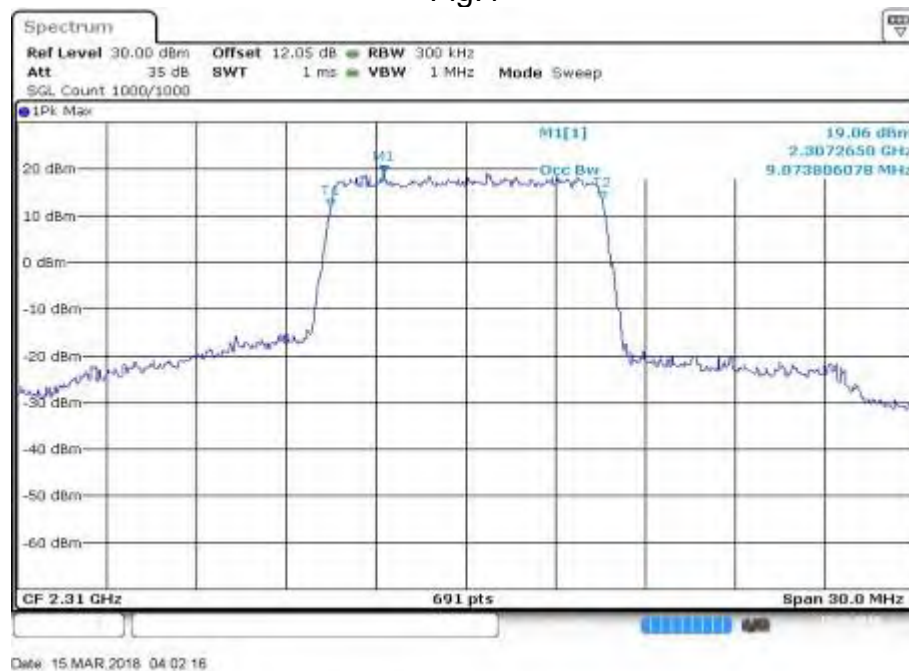


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.074	Fig.4	9.117	Fig.8

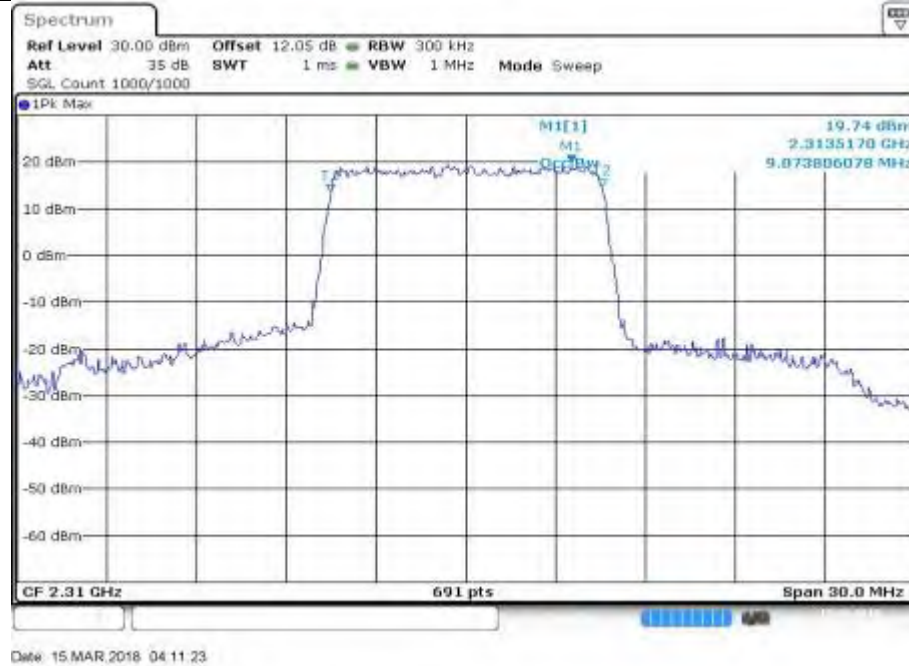


Fig.4

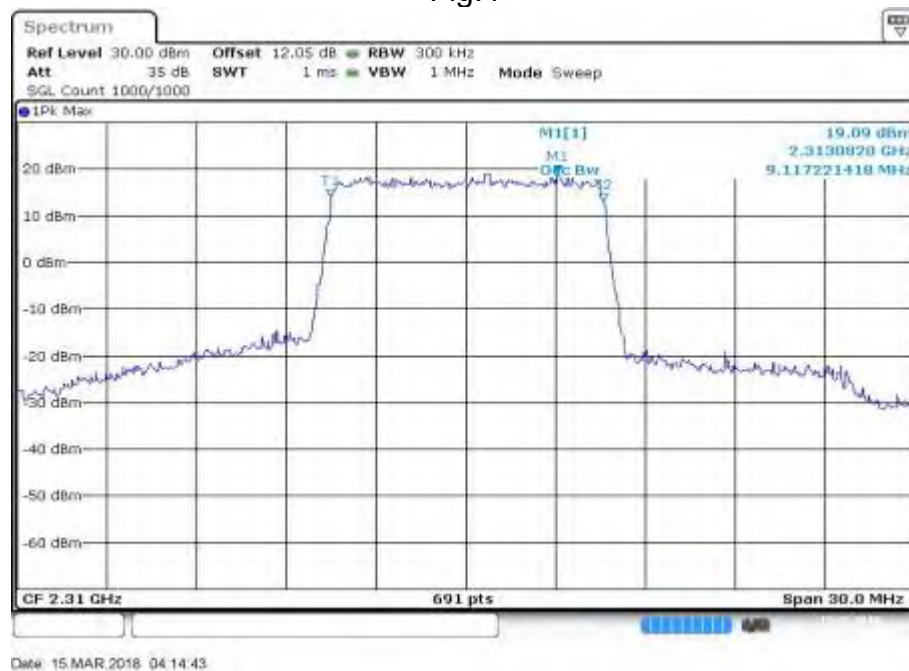


Fig.8

3 Emission Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2307.5	27685	5	25	0	4.993	Fig.4	4.993	Fig.8

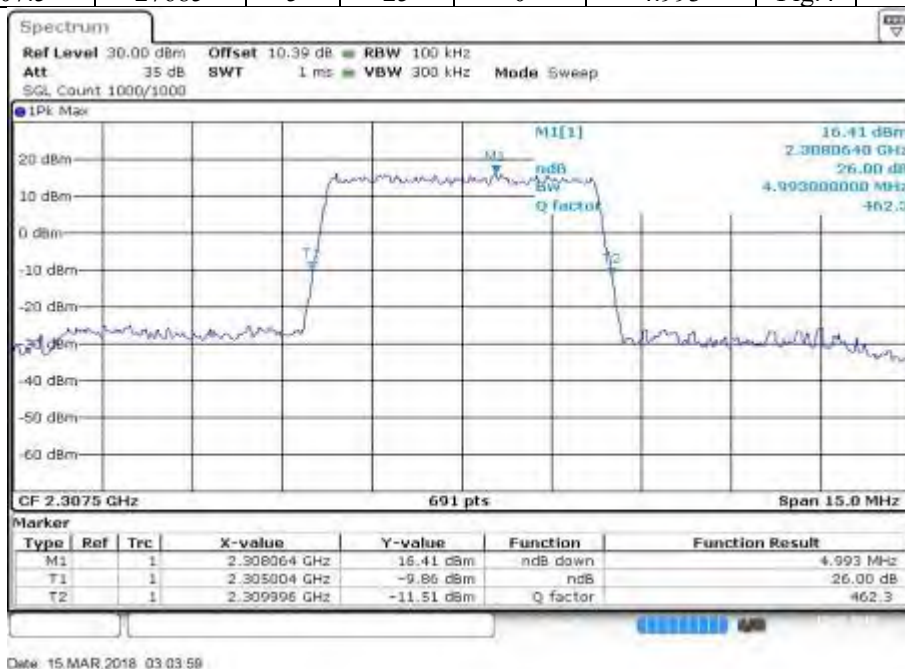


Fig.4

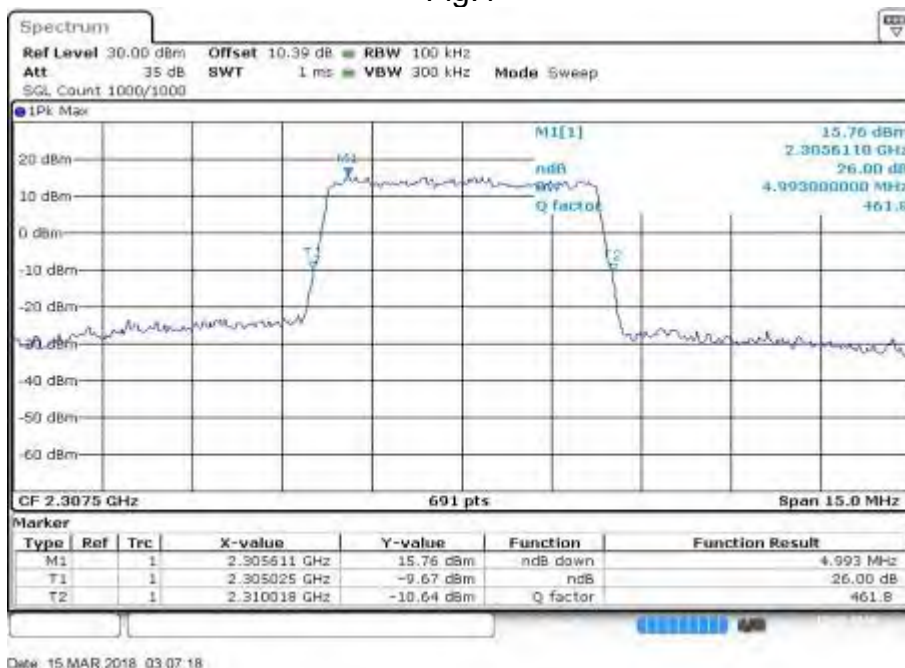


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2310	27710	5	25	0	4.993	Fig.4	4.993	Fig.8

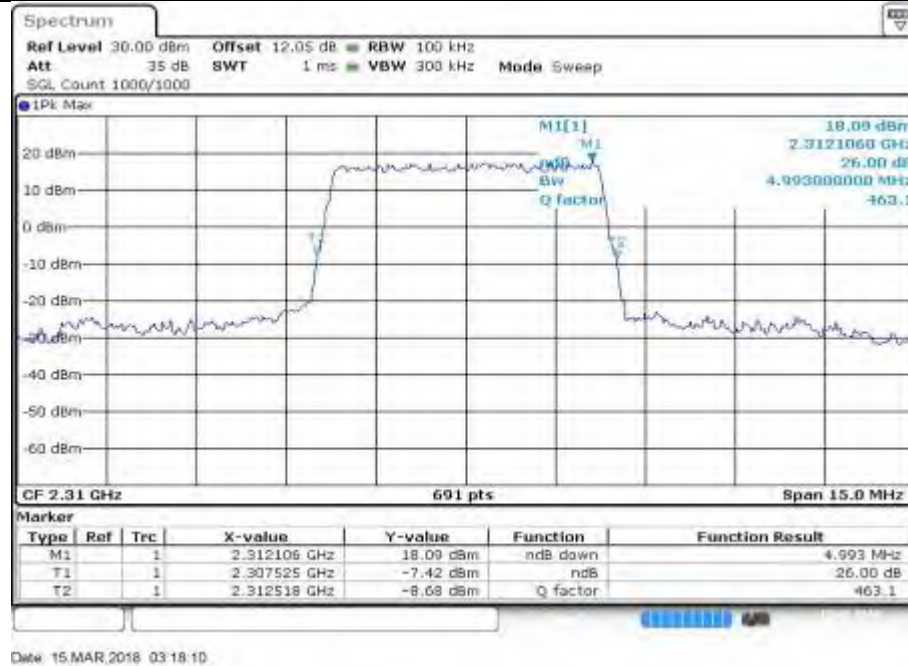


Fig.4

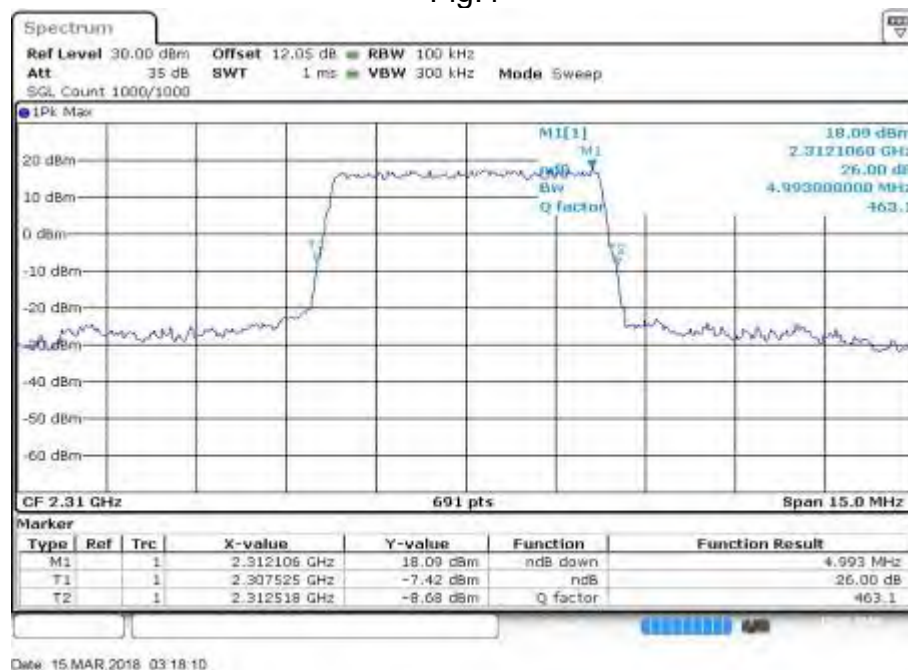


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2312.5	27735	5	25	0	4.971	Fig.4	4.971	Fig.8

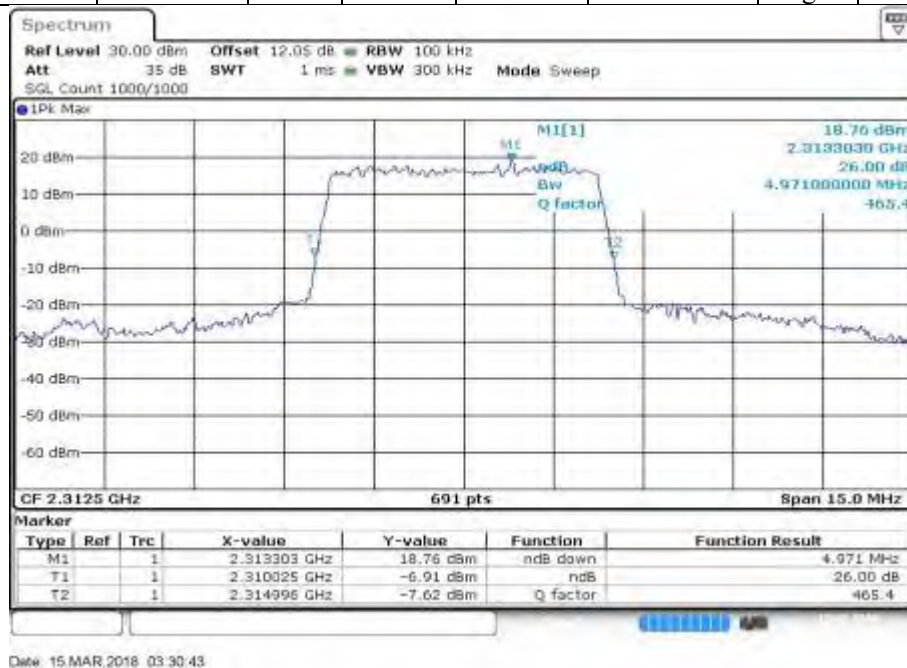


Fig.4

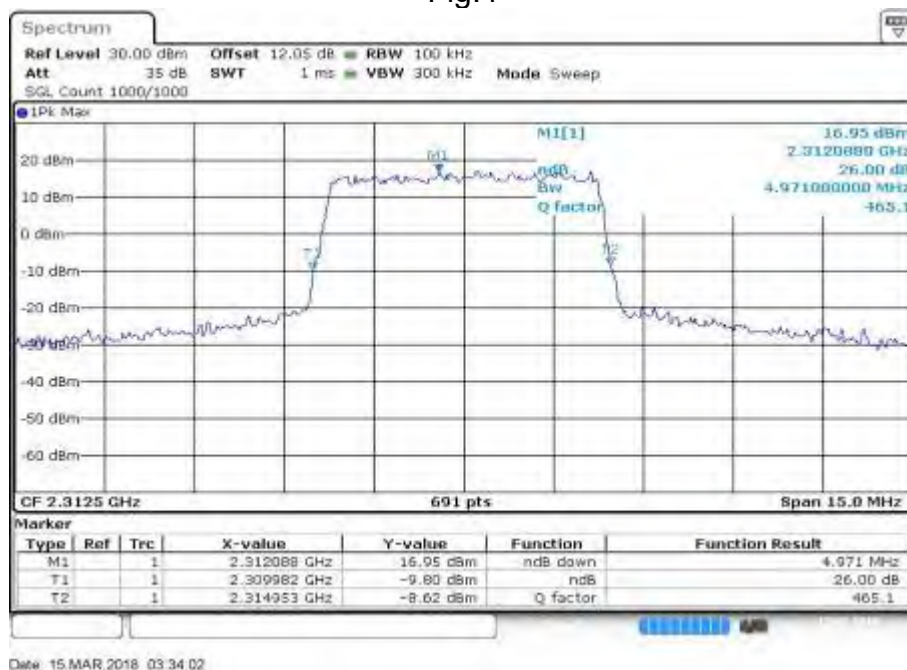


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.942	Fig.4	9.942	Fig.8

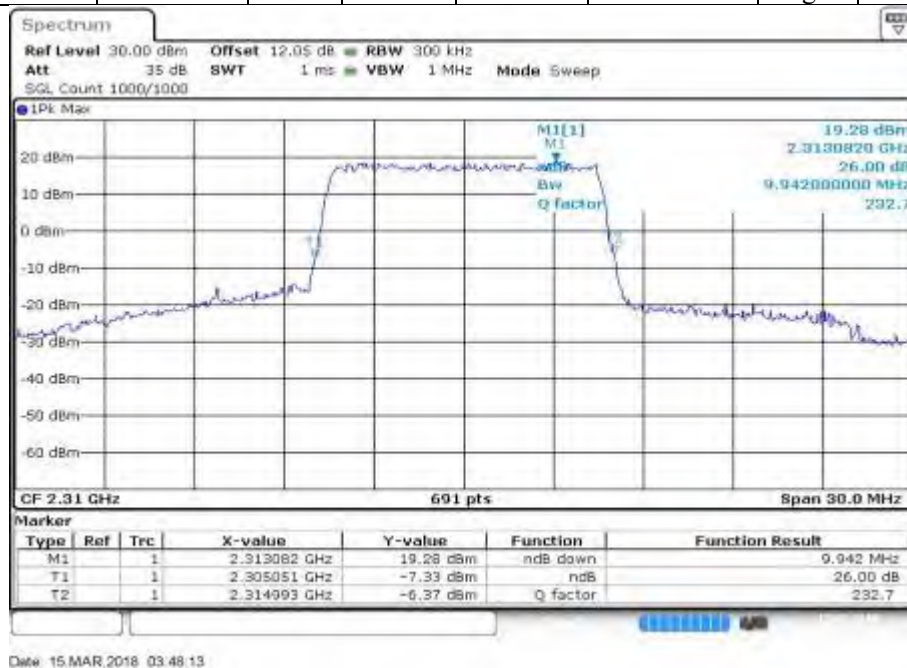


Fig.4

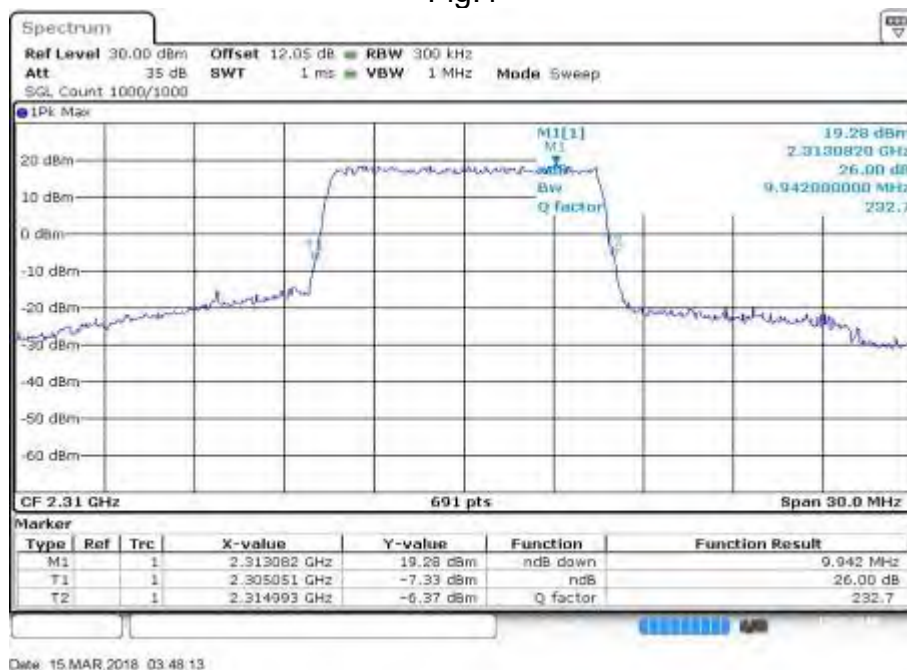
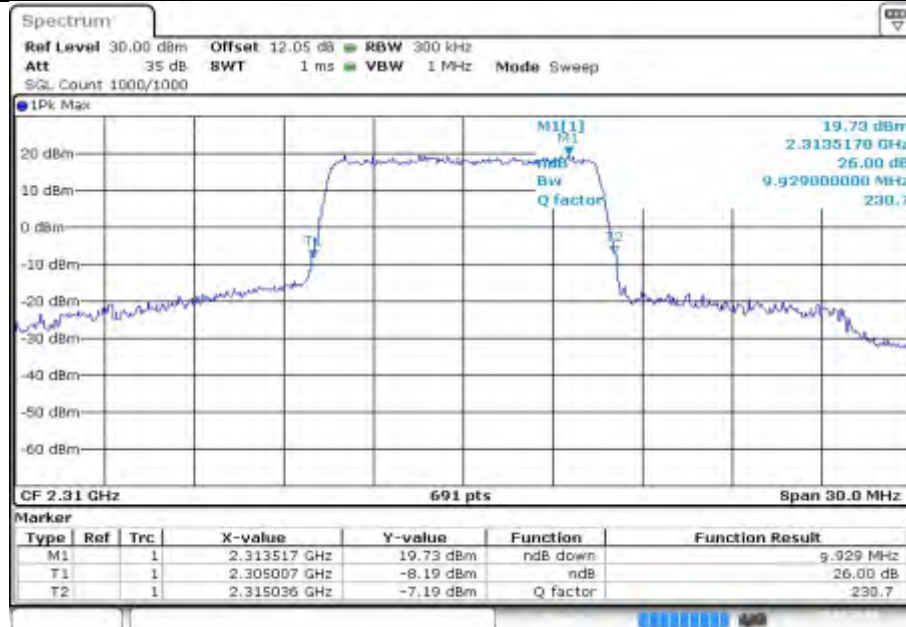


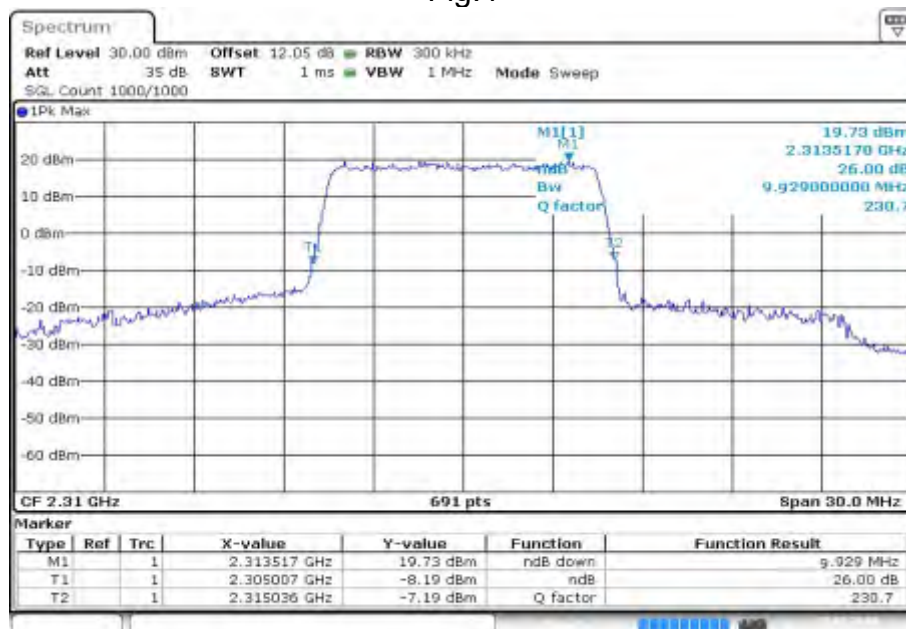
Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.929	Fig.4	9.929	Fig.8



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Fig.4



Date: 15.MAR.2018 03:59:10

Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
30	2310	27710	10	50	0	9.986	Fig.4	9.986	Fig.8

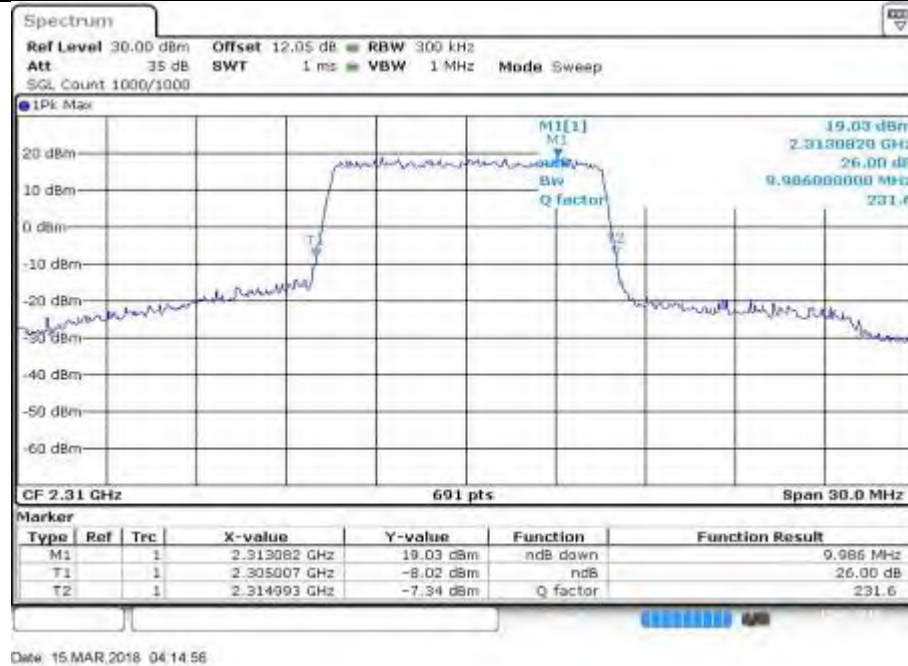


Fig.4

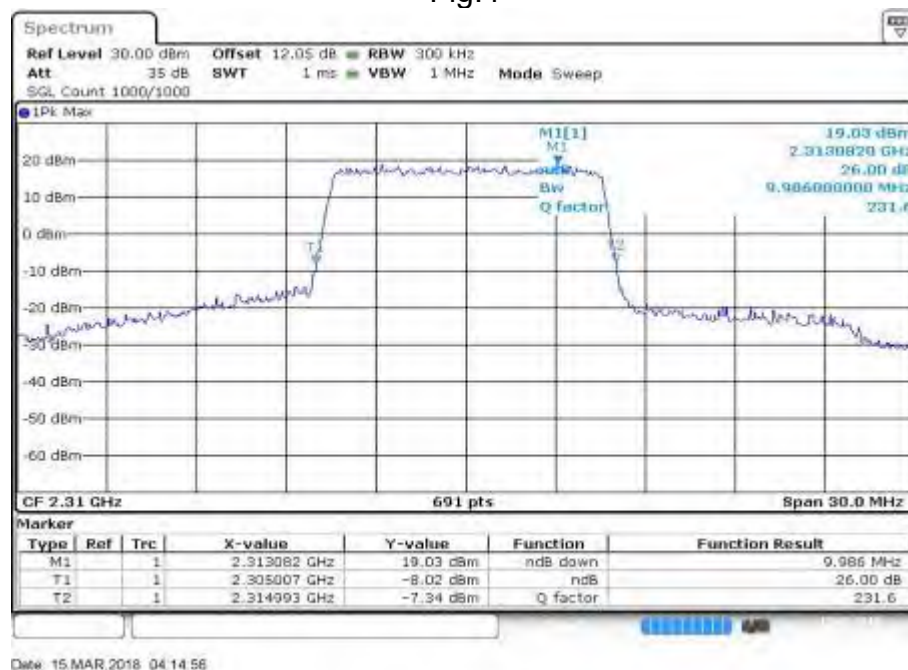
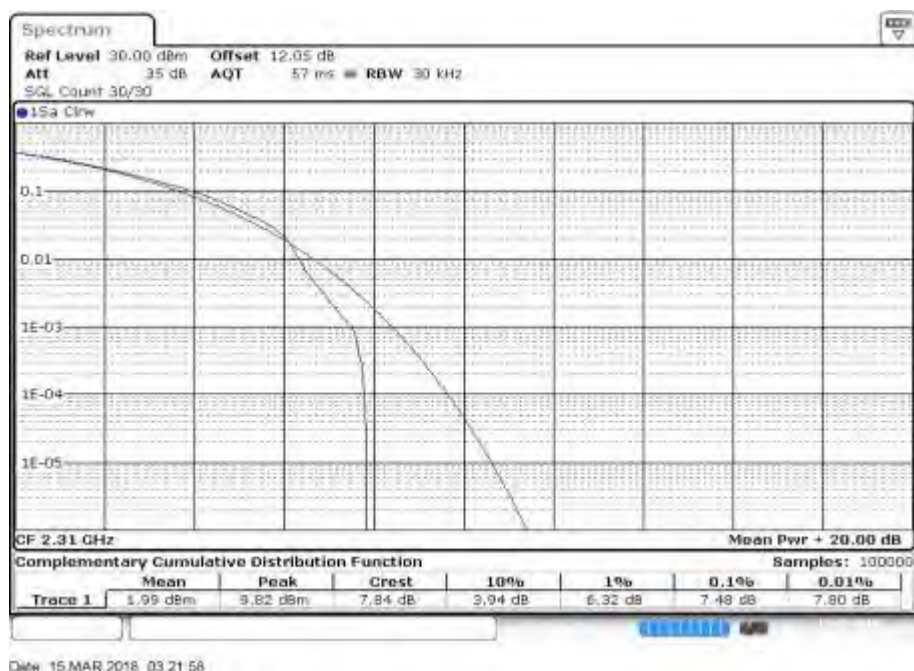


Fig.8

4 Peak-Average Ratio

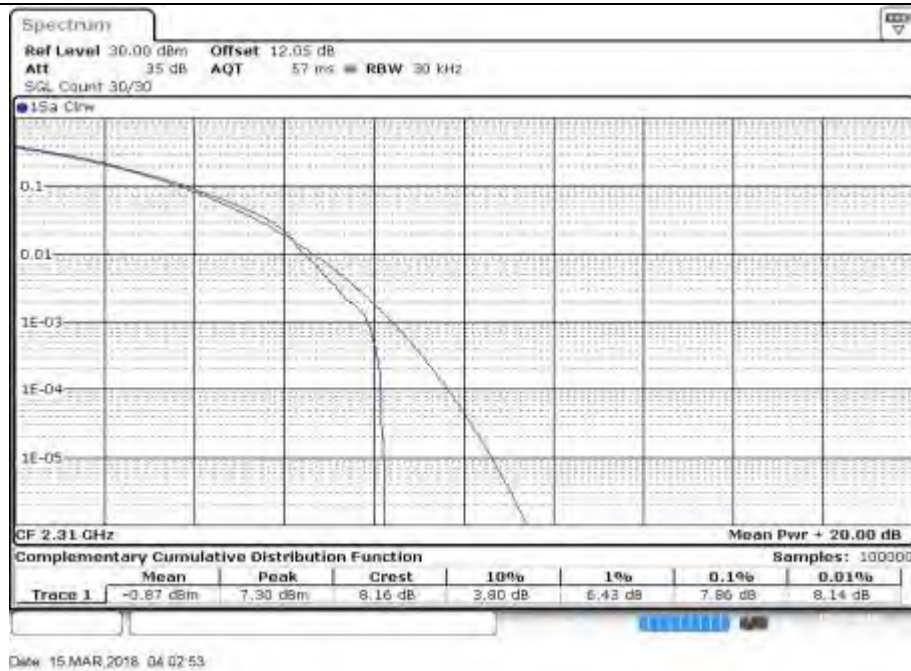
Test result:



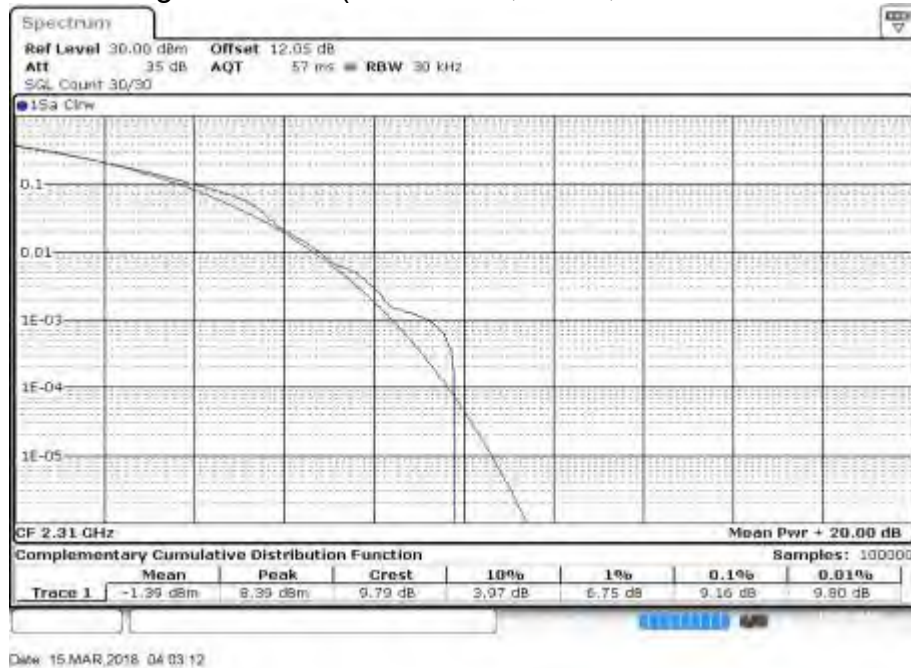
Peak-Average Ratio Plot(5MHz BW,QPSK,Band 30-mid Channel)



Peak-Average Ratio Plot(5MHz BW,16QAM,Band 30-mid Channel)



Peak-Average Ratio Plot(10MHz BW,QPSK,Band 30-mid Channel)



Peak-Average Ratio Plot(10MHz BW,16QAM,Band 30-mid Channel)

5 Spurious Emissions at antenna terminal

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
30	2310	27710	10	50	0	Fig.4	Fig.8

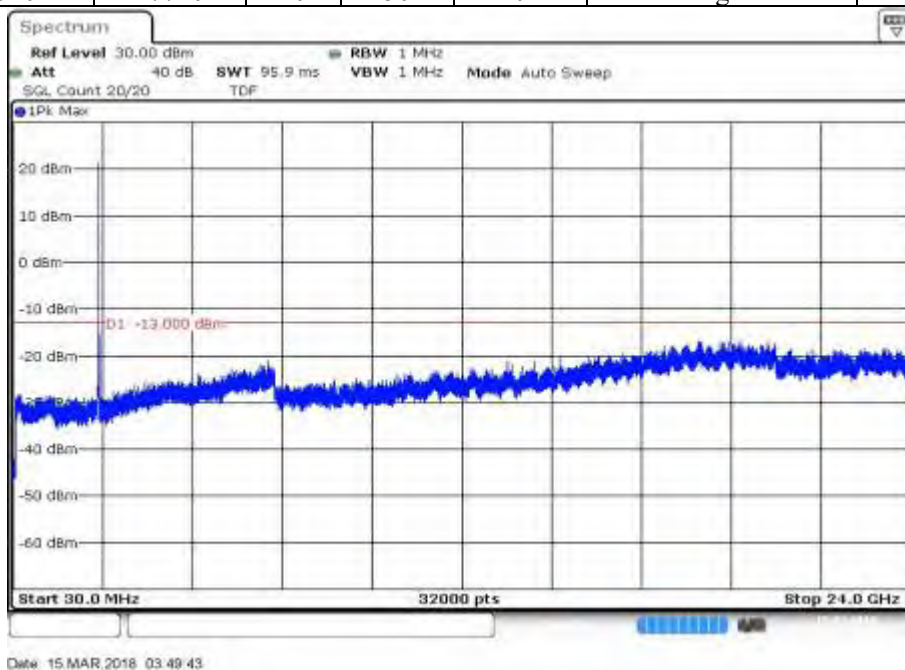


Fig.4

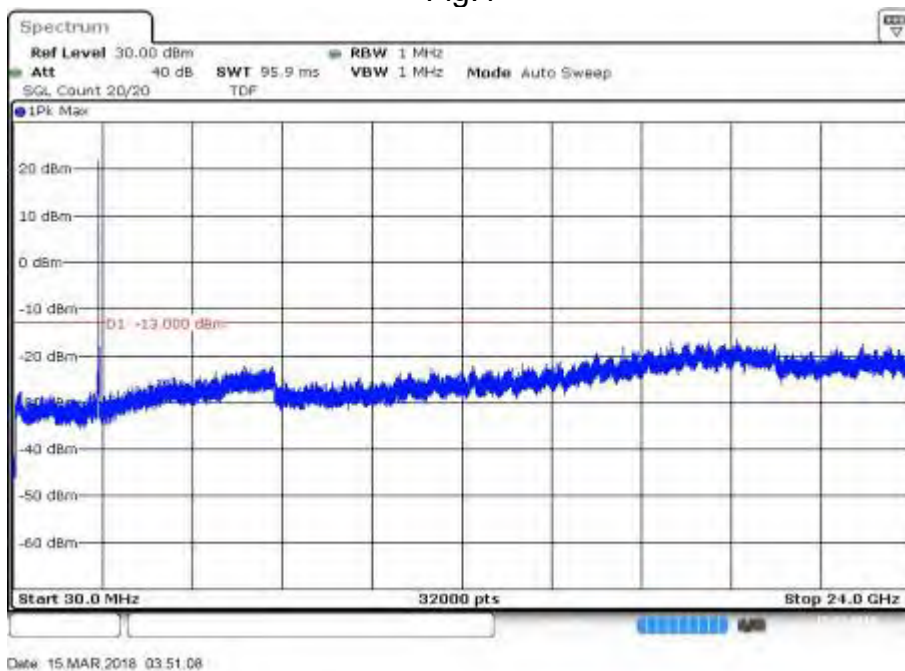


Fig.8

Band	Carrier frequency (MHz)	Channel (Mid)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
30	2310	27710	10	50	0	Fig.4	Fig.8

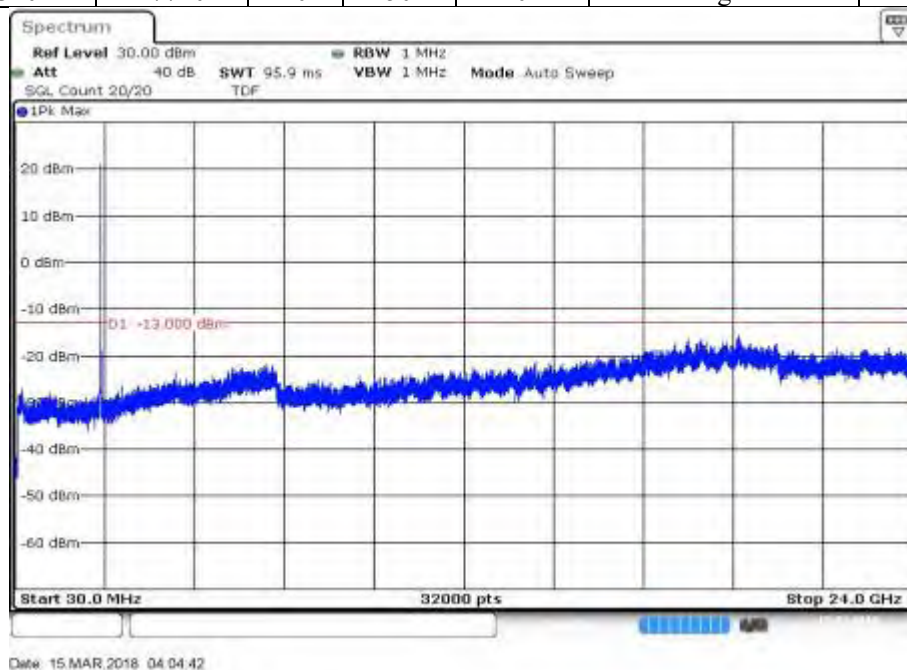


Fig.4

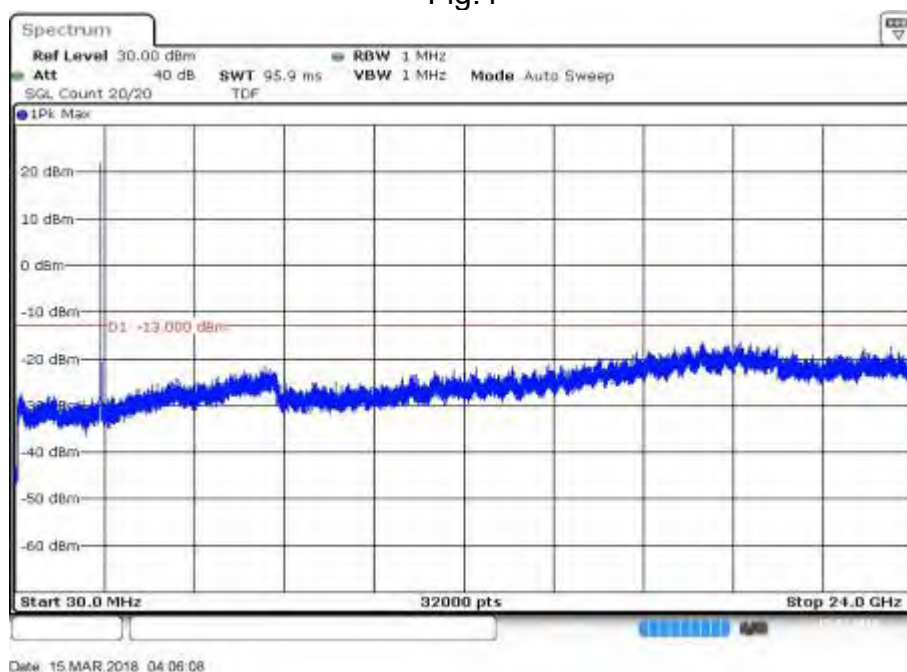


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Conducted Spurious Plot	
						QPSK	16-QAM
30	2310	27710	10	50	0	Fig.4	Fig.8
				50	0	Fig.4	Fig.8

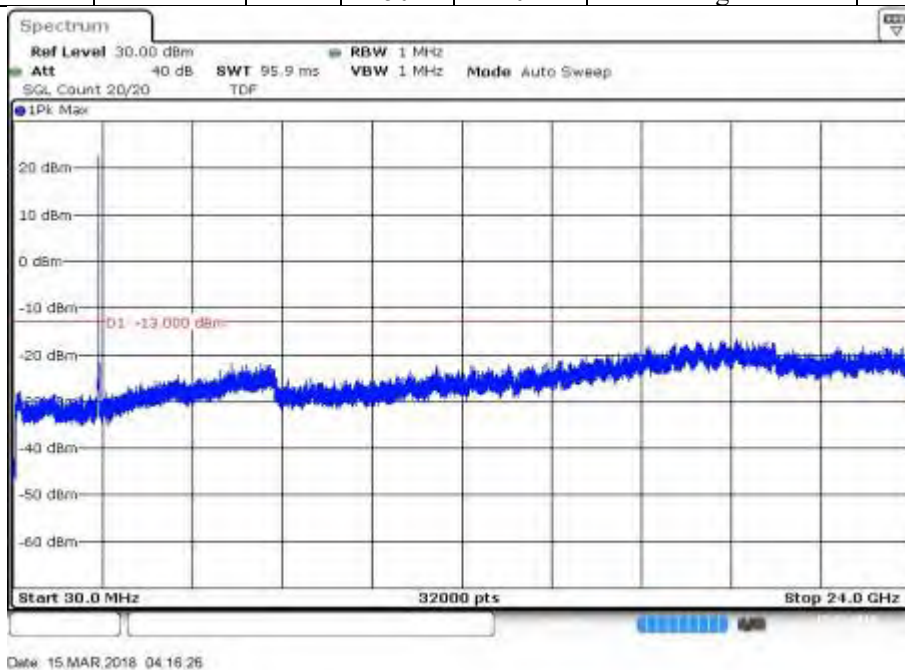


Fig.4

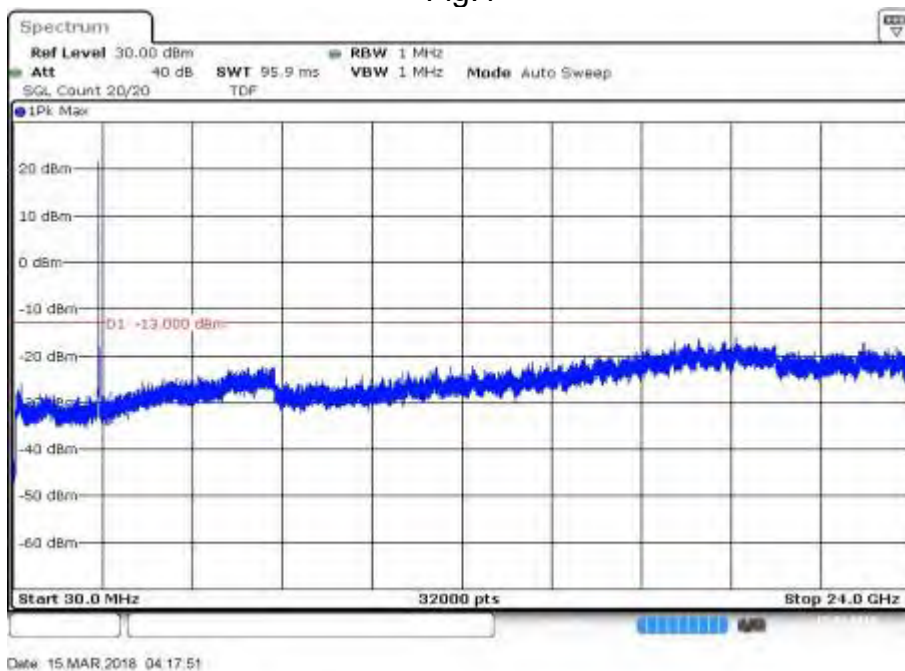


Fig.8

6 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
30	2307.5	27685	5	1	0	Fig.1
				25	0	Fig.4

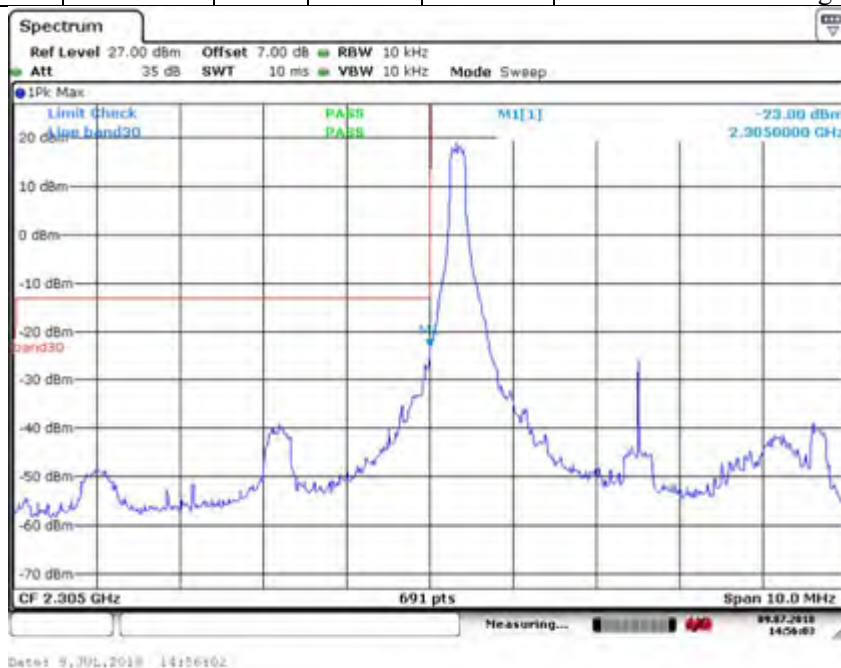


Fig.1

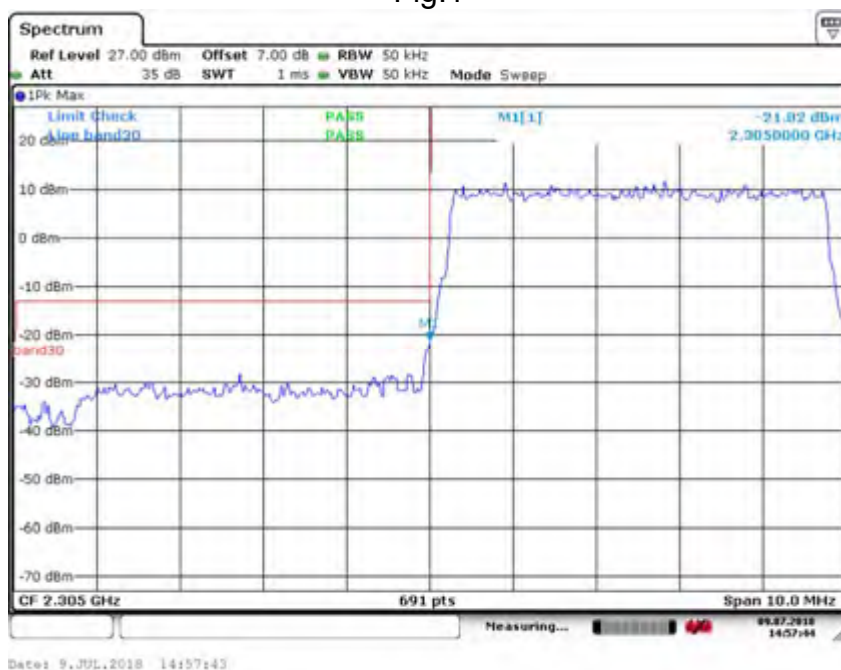


Fig.4

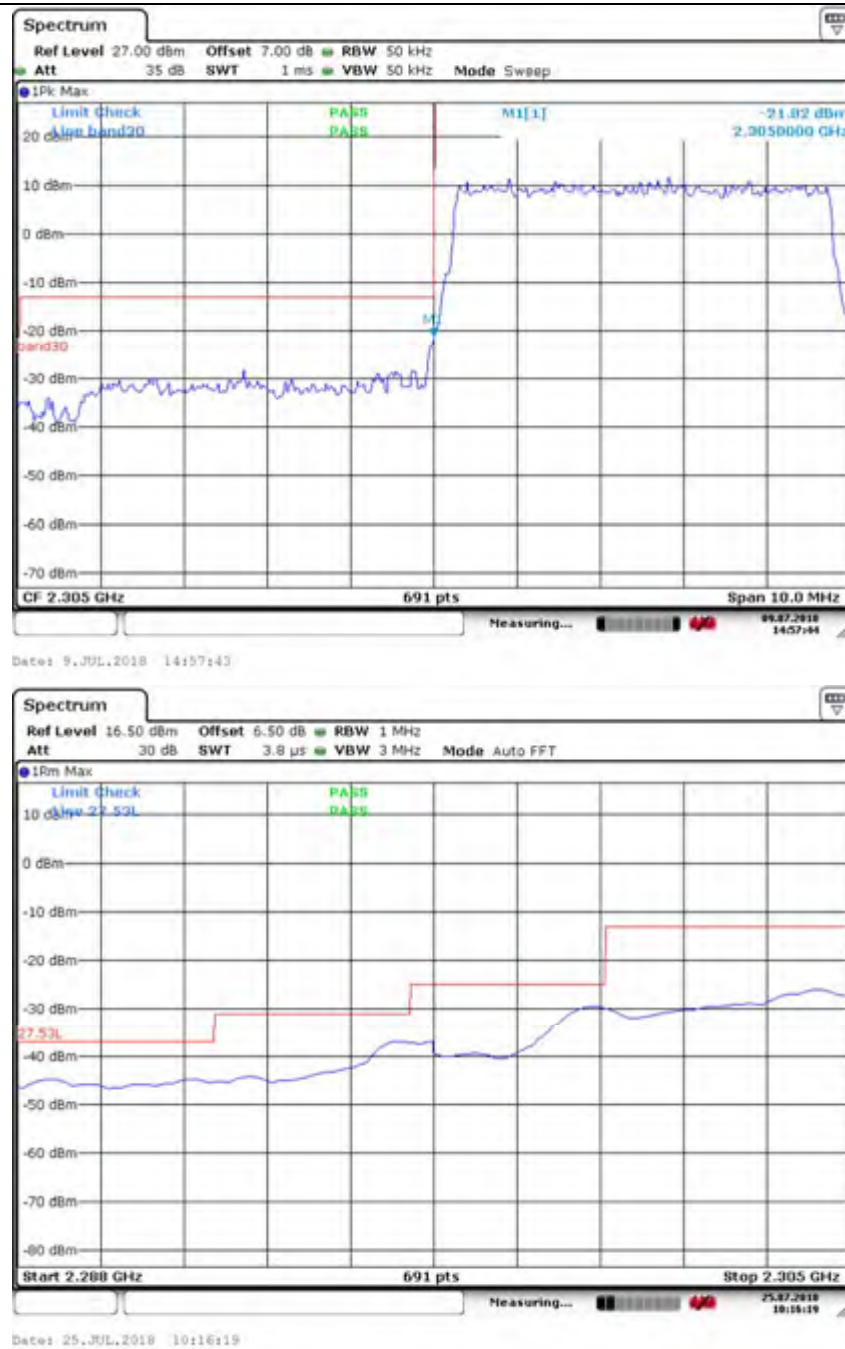


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
30	2312.5	27735	5	1	0	Fig.1
				25	0	Fig.4

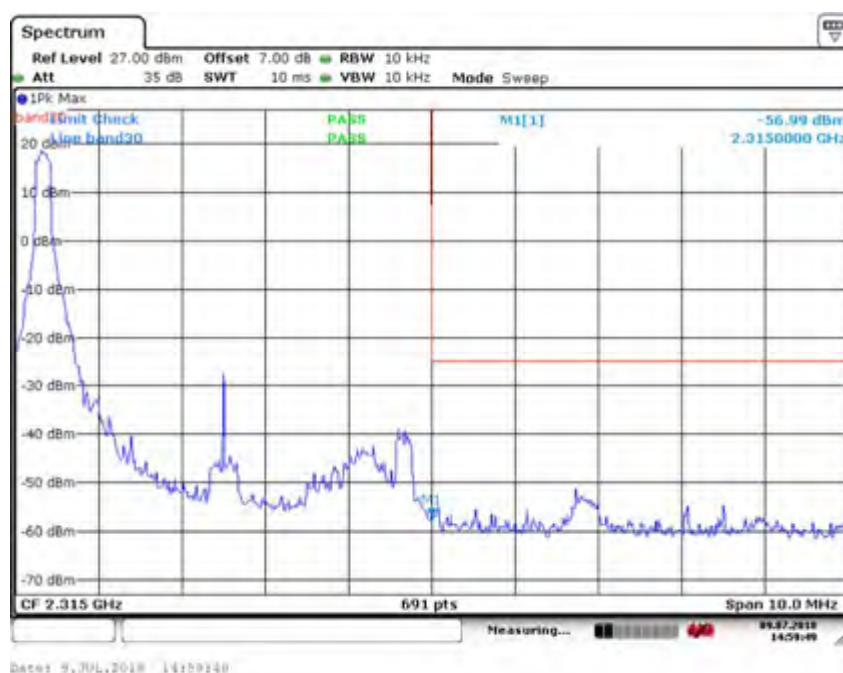


Fig.1

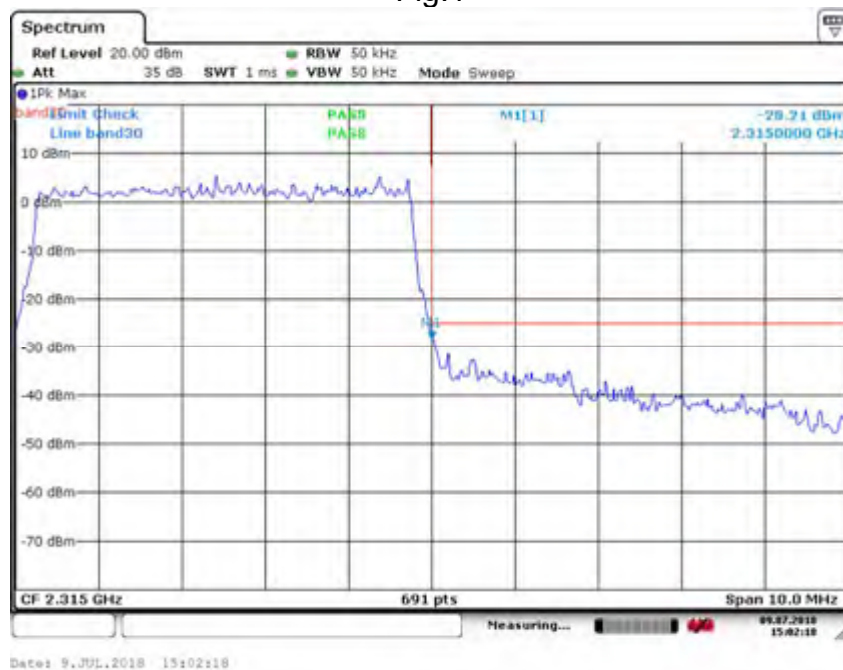


Fig.4

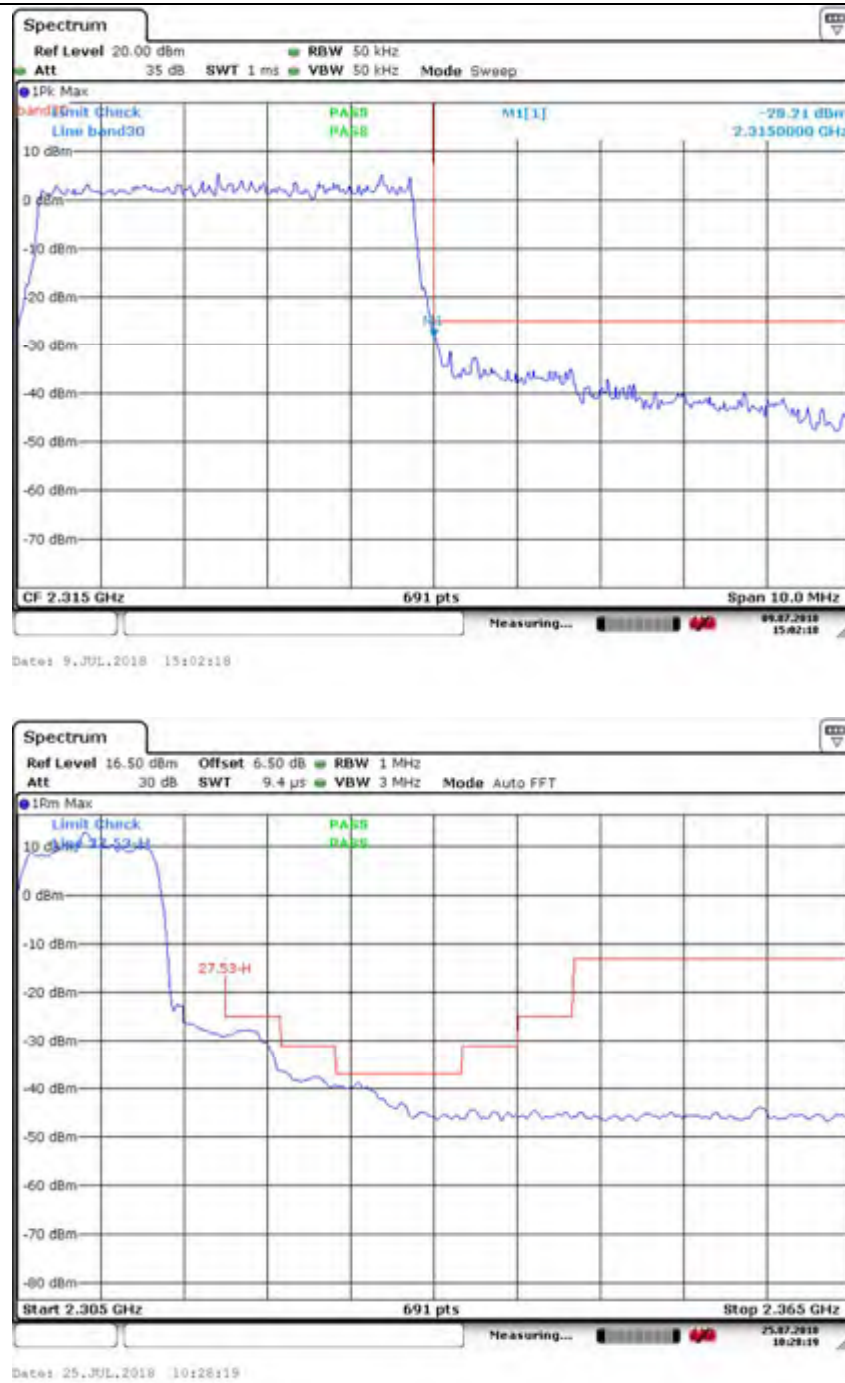


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
30	2310	27710	10	1	0	Fig.1
				50	0	Fig.4

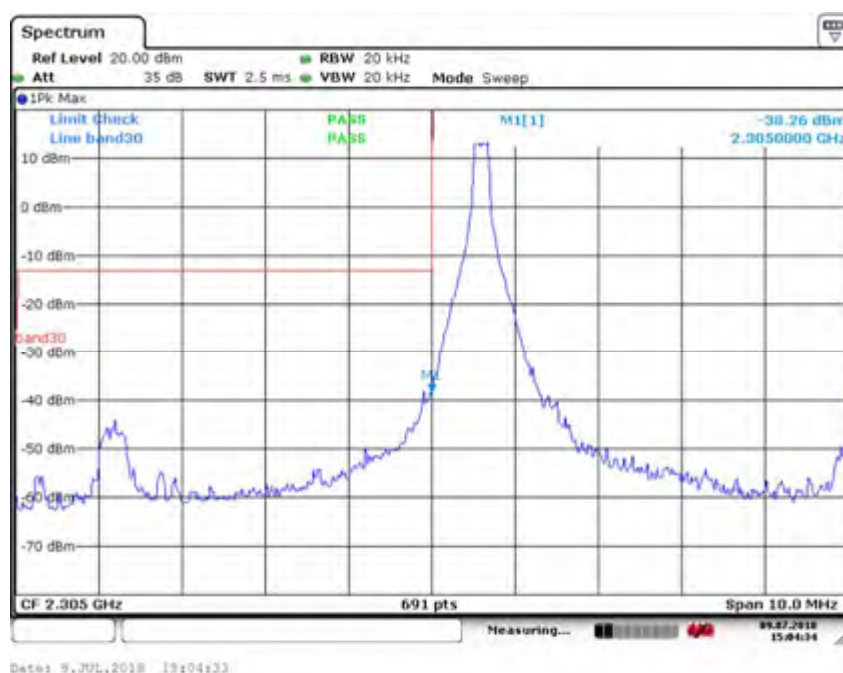


Fig.1

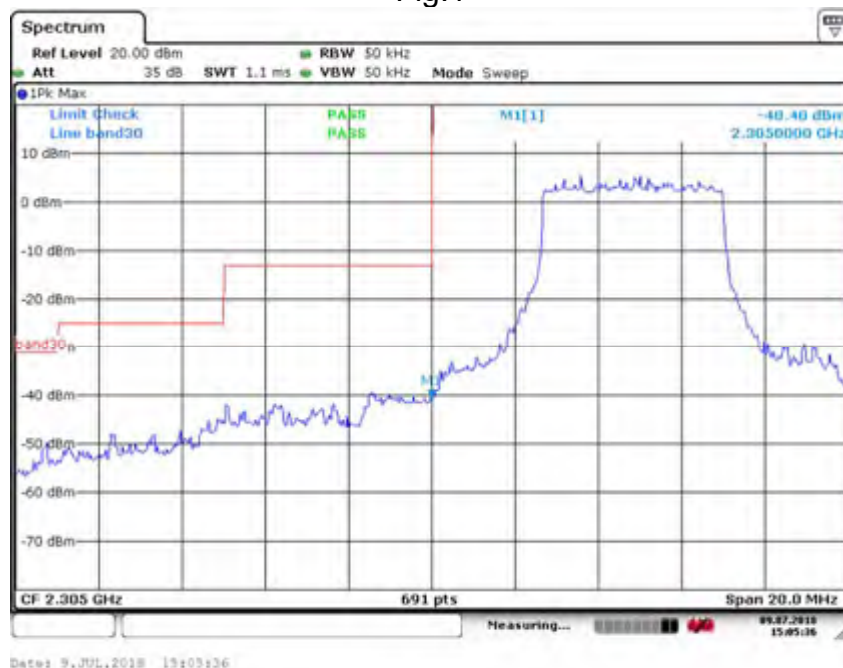


Fig.4

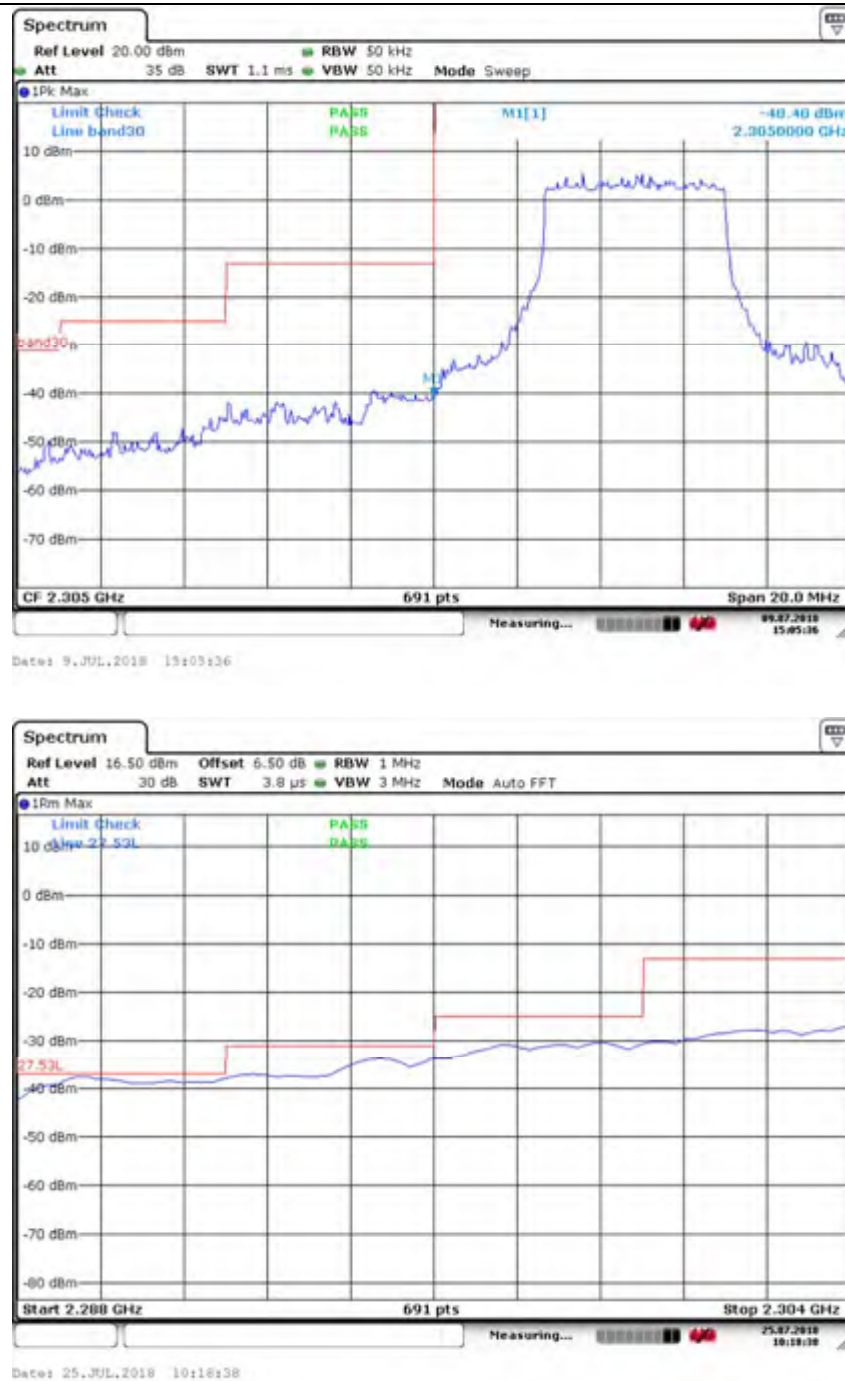


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot
						QPSK
30	2310	27710	10	1	0	Fig.1
				50	0	Fig.4

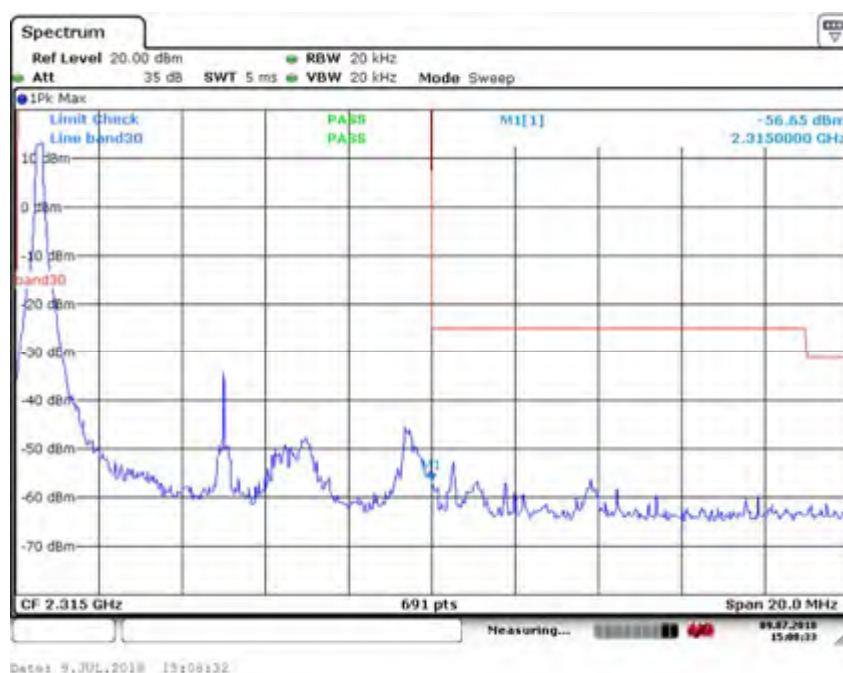


Fig.1

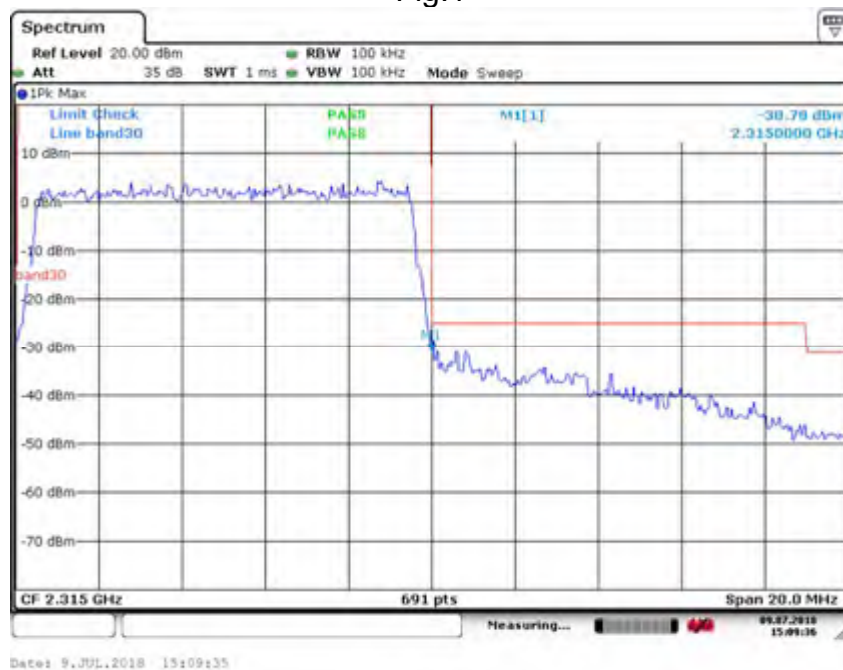


Fig.4