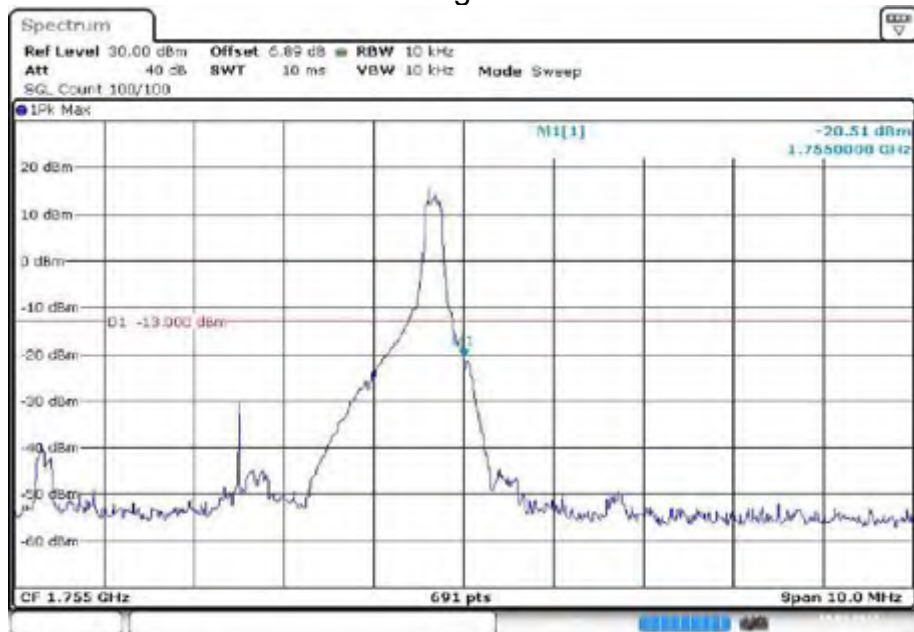




Date: 19 MAR 2017 03:41:40

Fig.5



Date: 19 MAR 2017 03:41:50

Fig.6

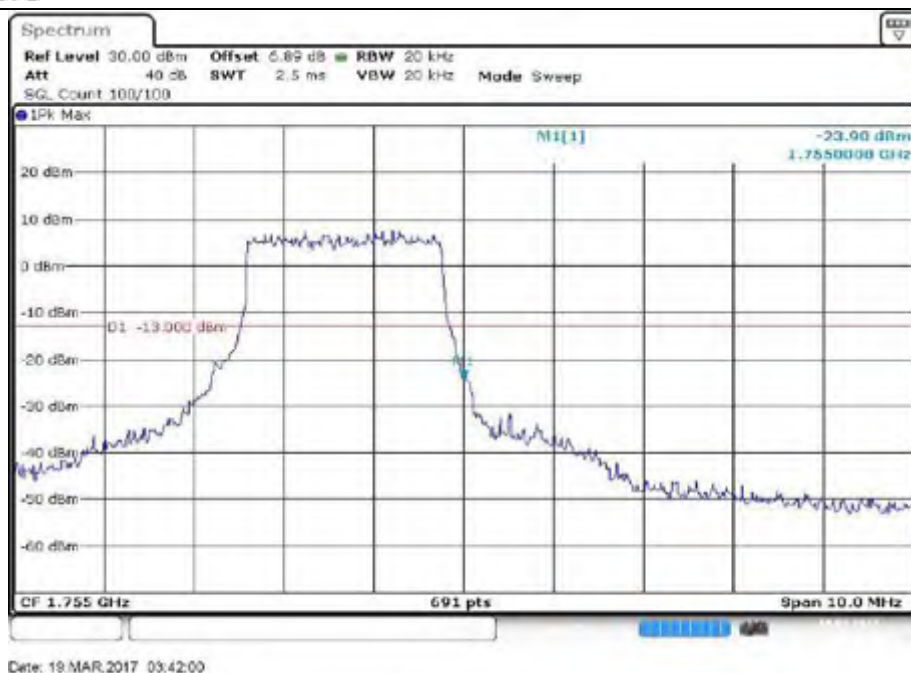


Fig.7

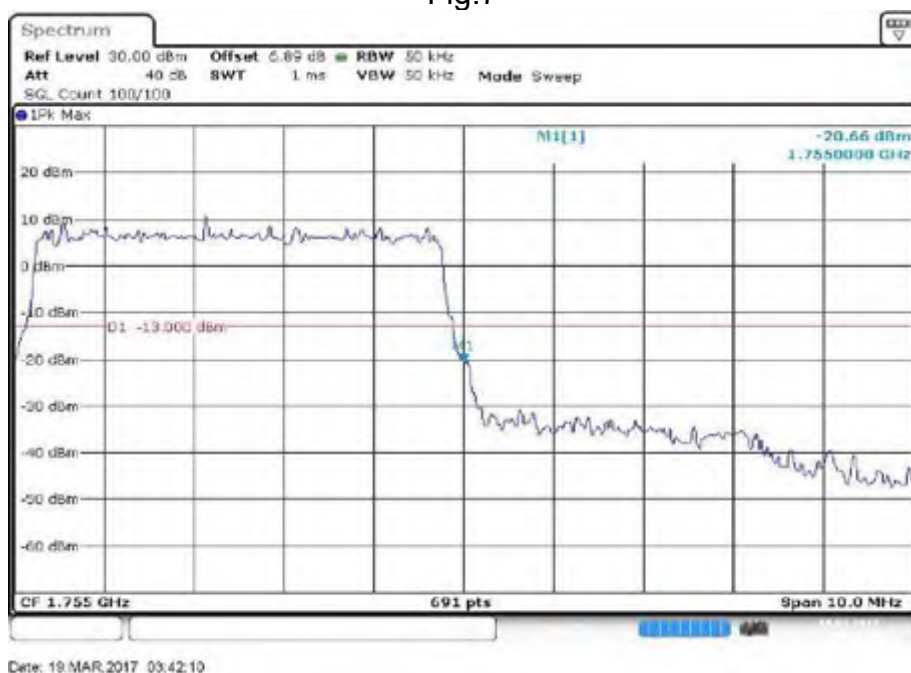


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1715	17250	10	1	0	Fig.1	Fig.5
				1	49	Fig.2	Fig.6
				24	12	Fig.3	Fig.7
				50	0	Fig.4	Fig.8

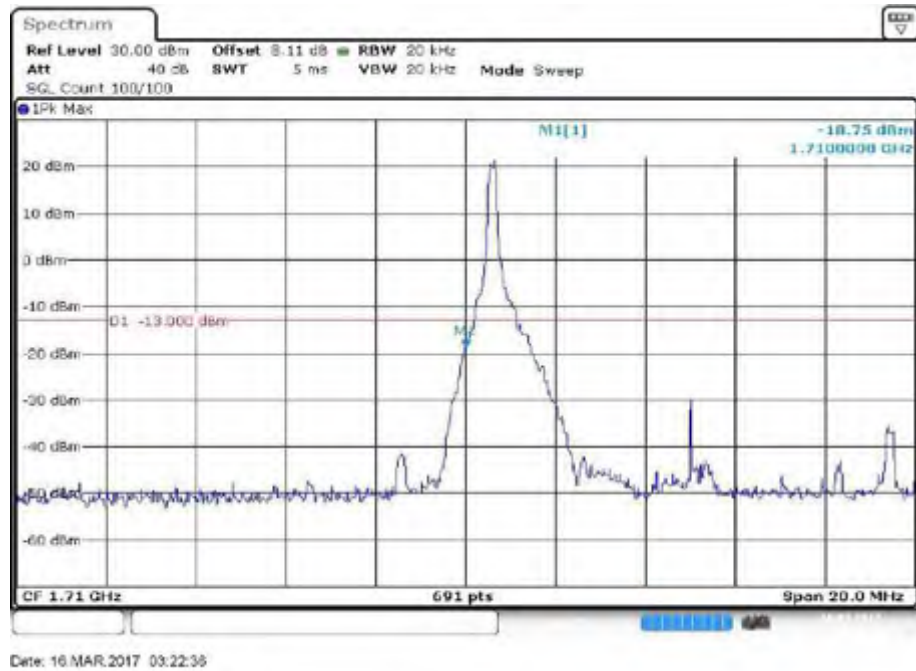


Fig.1

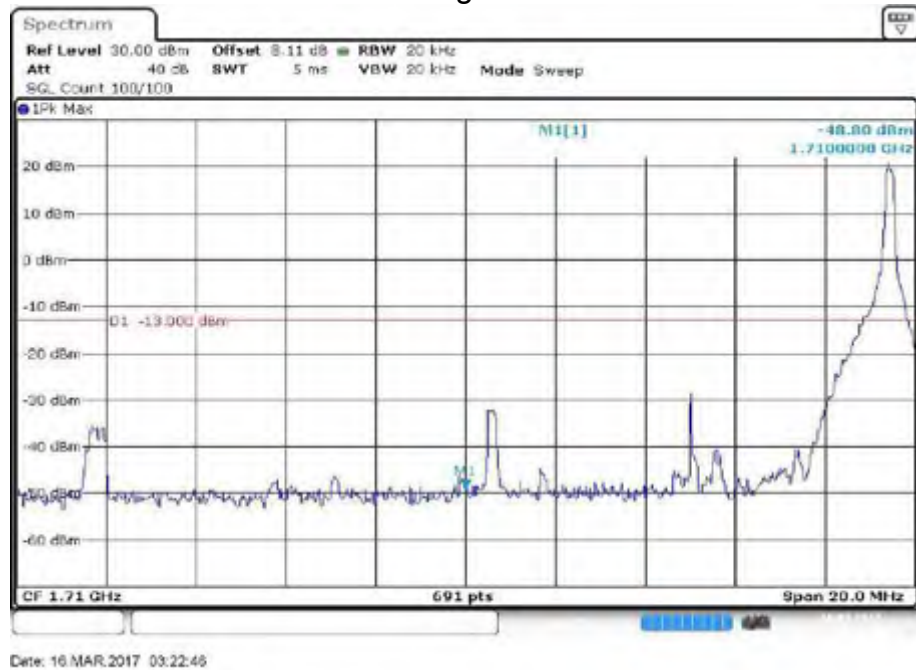


Fig.2

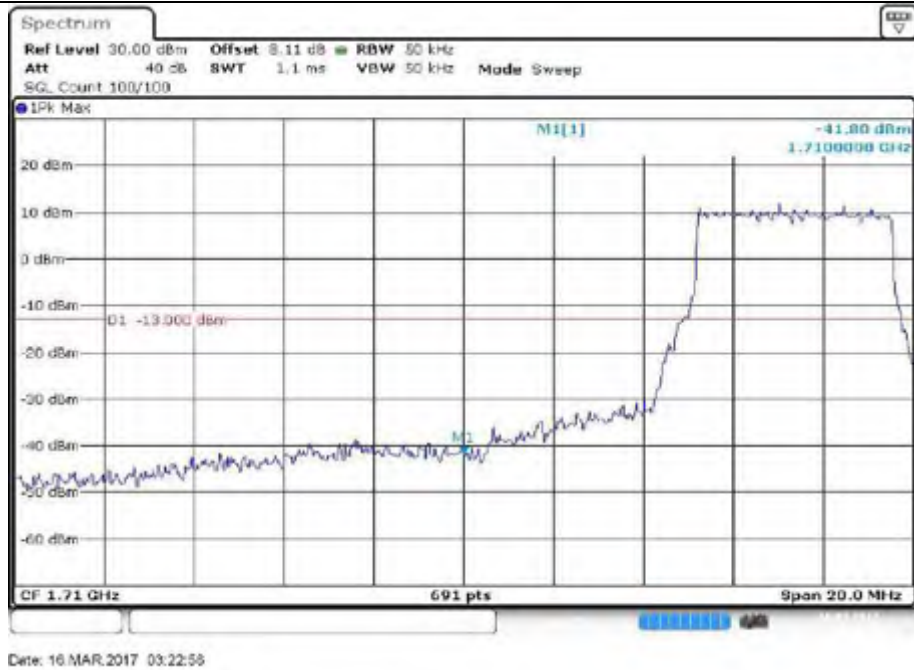


Fig.3

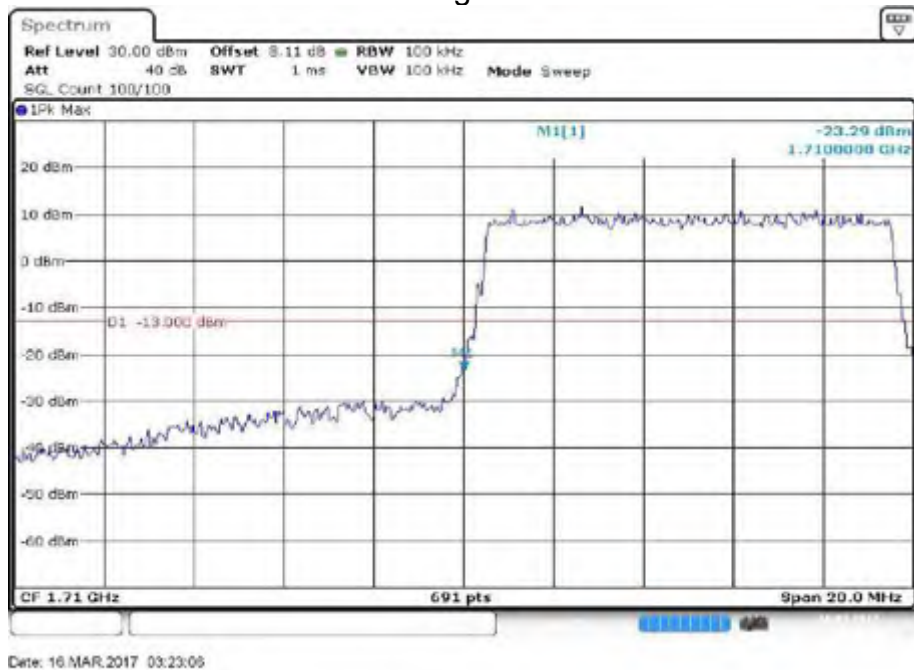
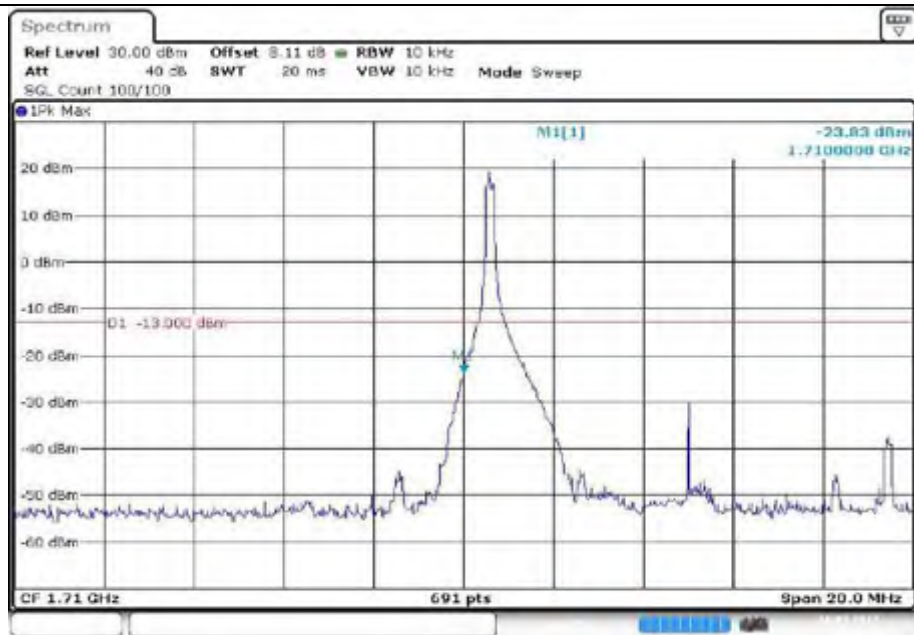
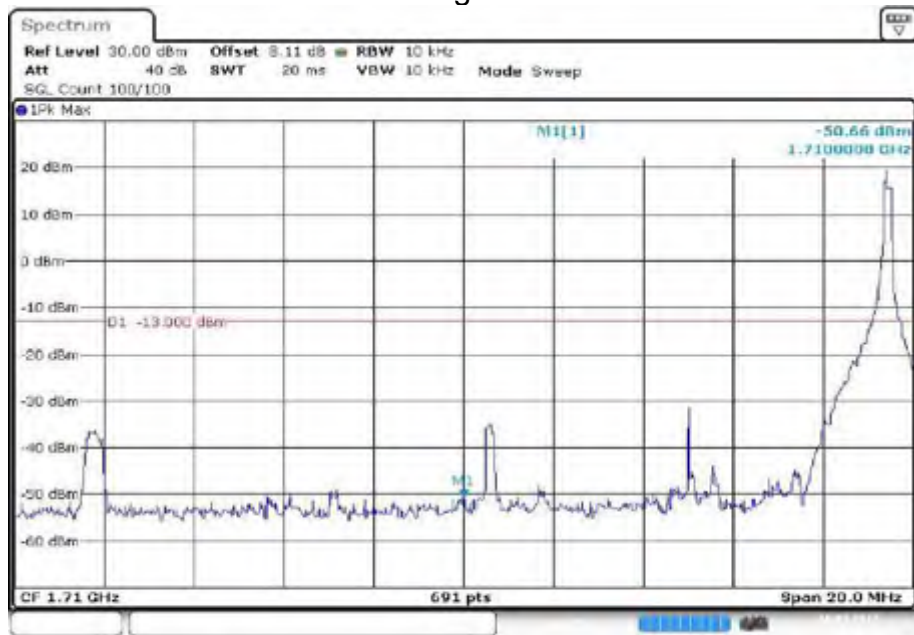


Fig.4



Date: 16 MAR.2017 03:23:19

Fig.5



Date: 16 MAR.2017 03:23:32

Fig.6

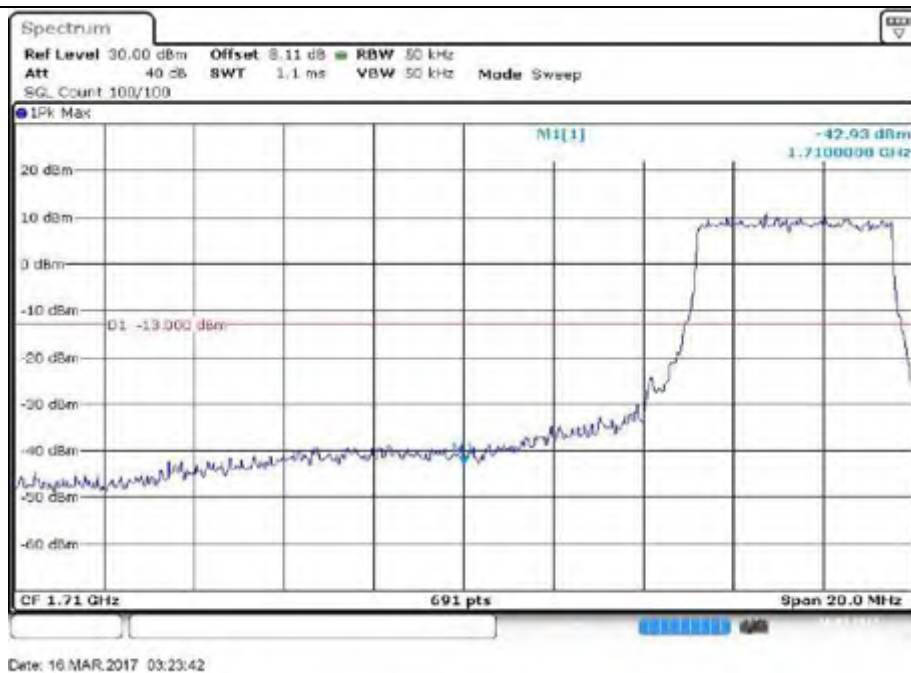


Fig.7

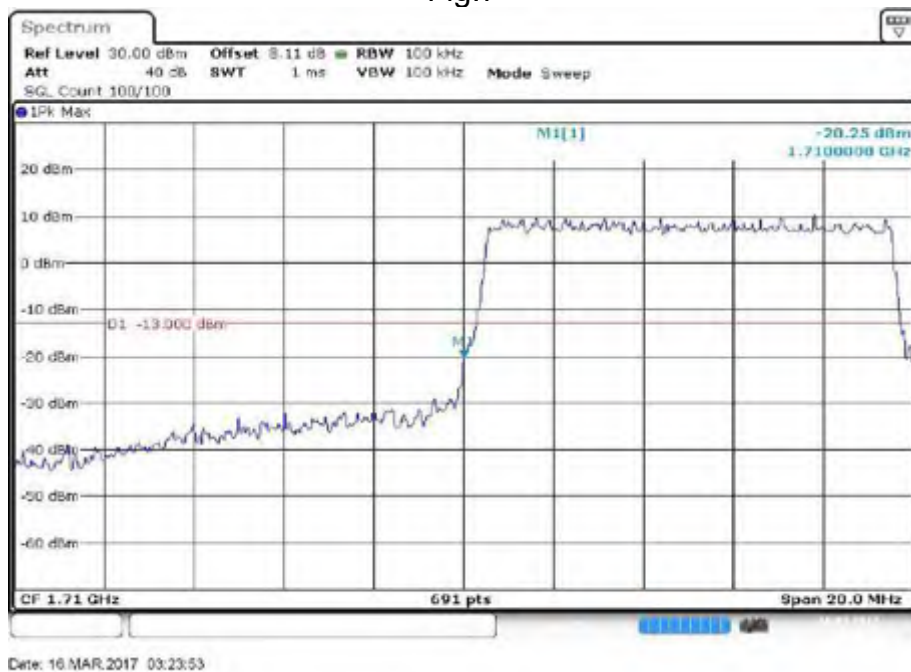


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1750	17600	10	1	0	Fig.1	Fig.5
				1	49	Fig.2	Fig.6
				24	12	Fig.3	Fig.7
				50	0	Fig.4	Fig.8

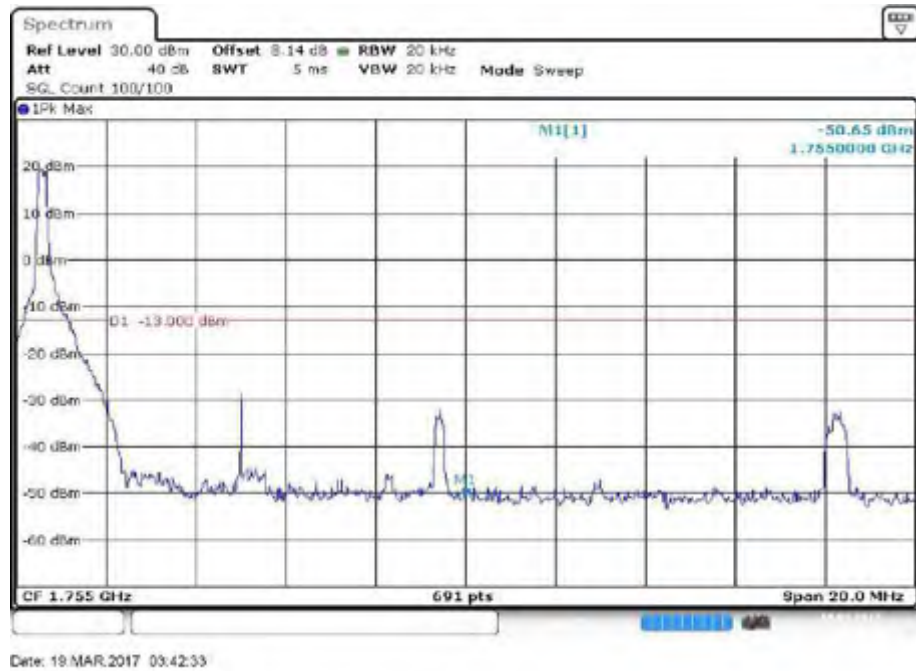


Fig.1

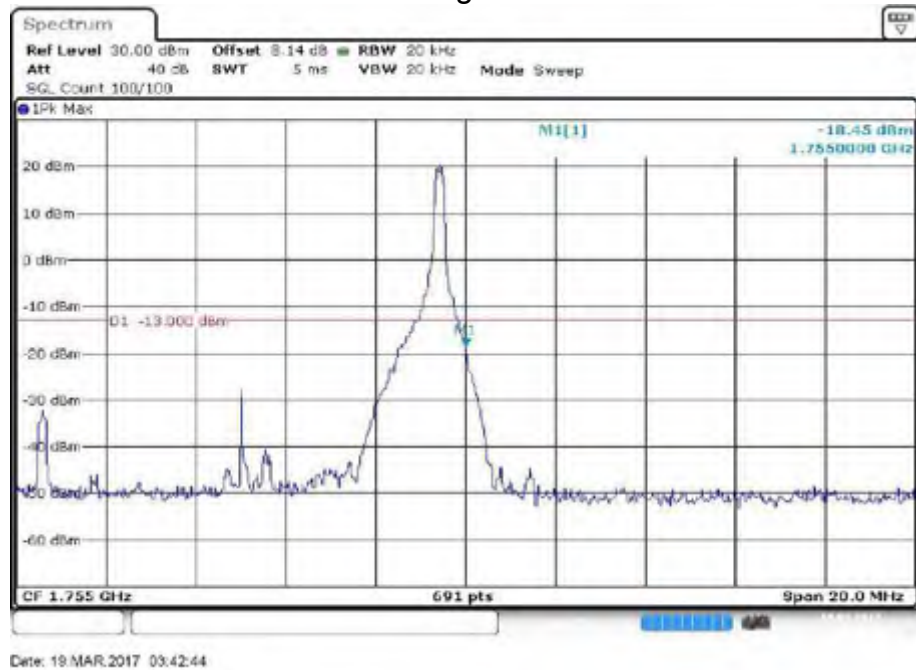
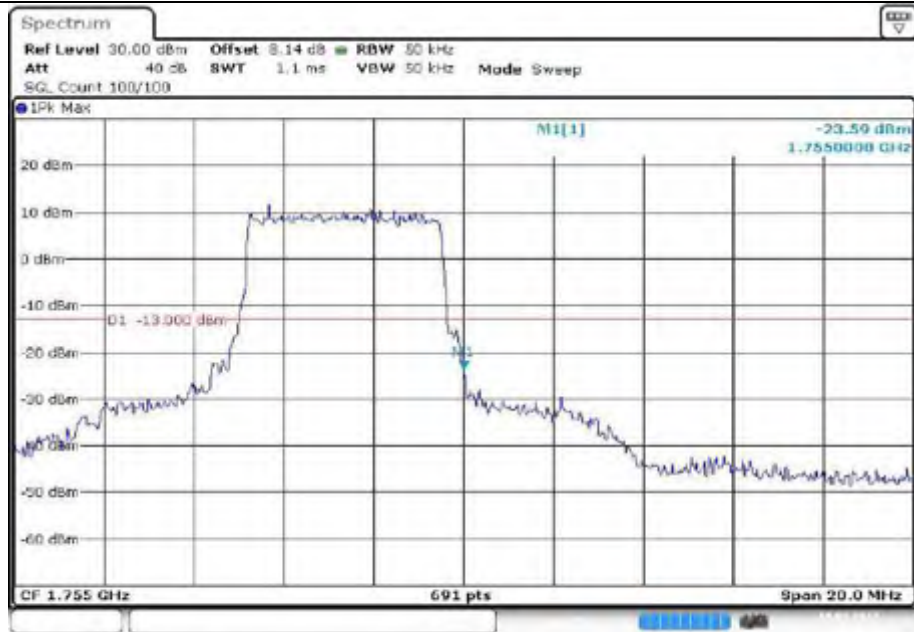
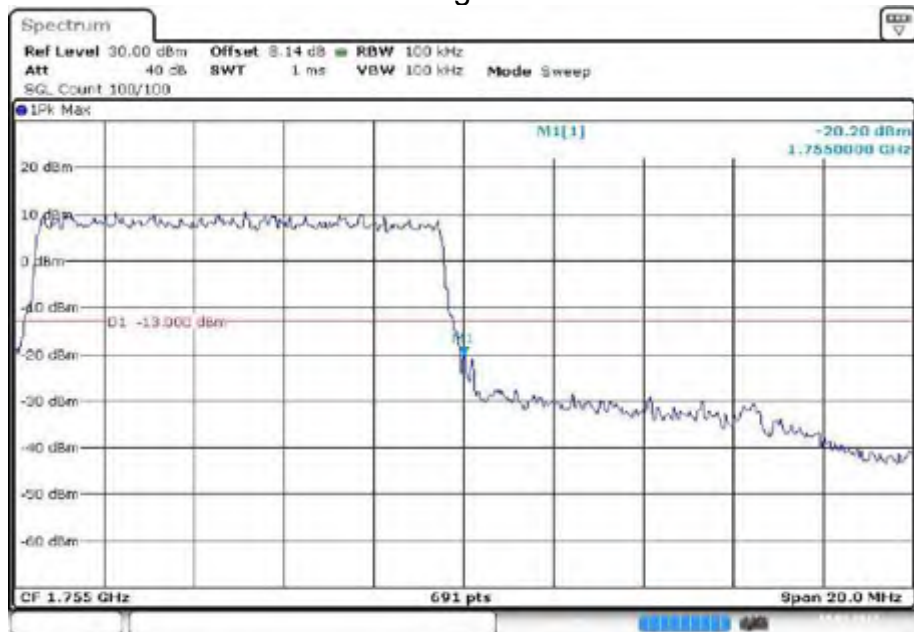


Fig.2



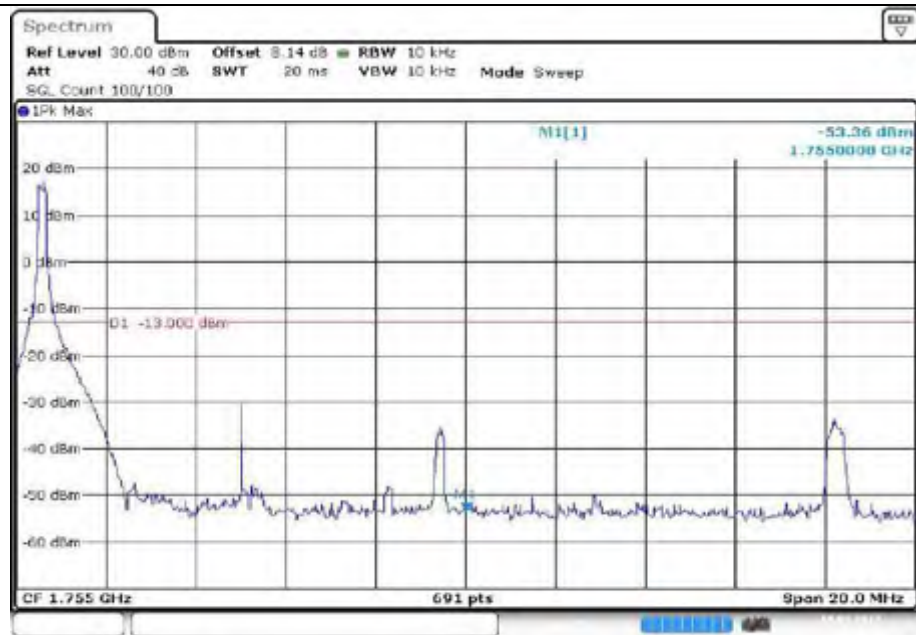
Date: 19 MAR 2017 03:42:54

Fig.3



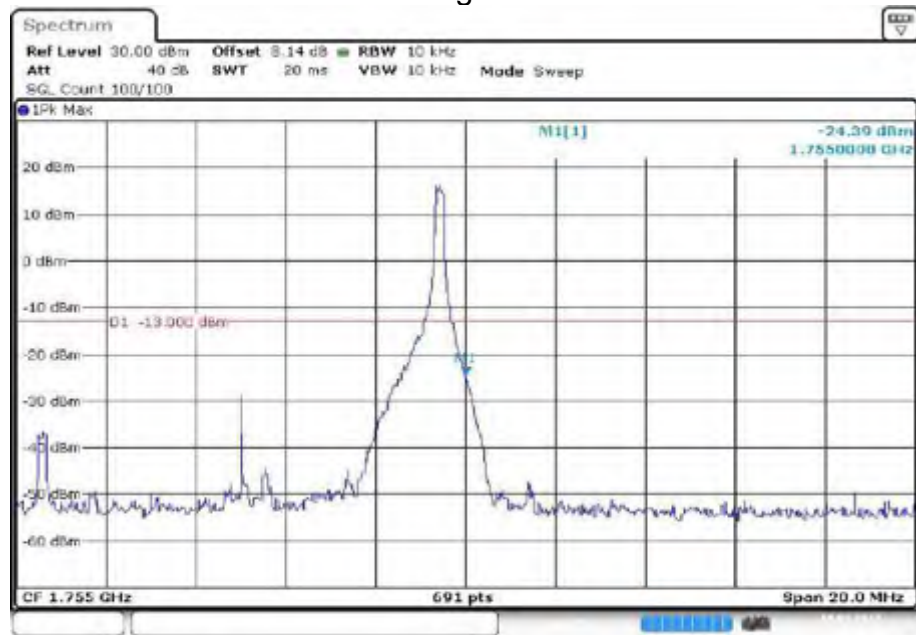
Date: 19 MAR 2017 03:43:04

Fig.4



Date: 19 MAR 2017 03:43:17

Fig.5



Date: 19 MAR 2017 03:43:30

Fig.6

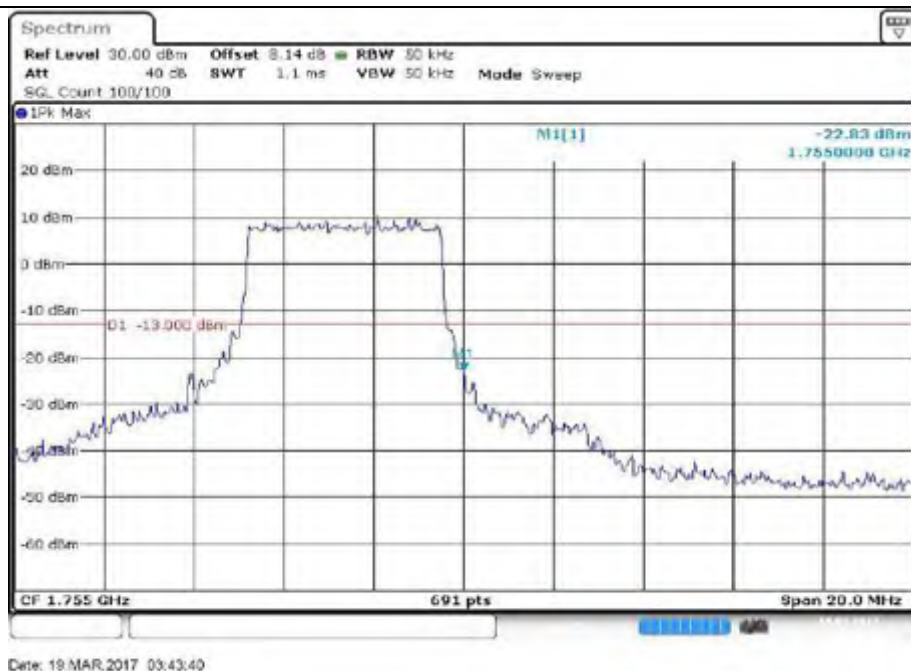


Fig.7

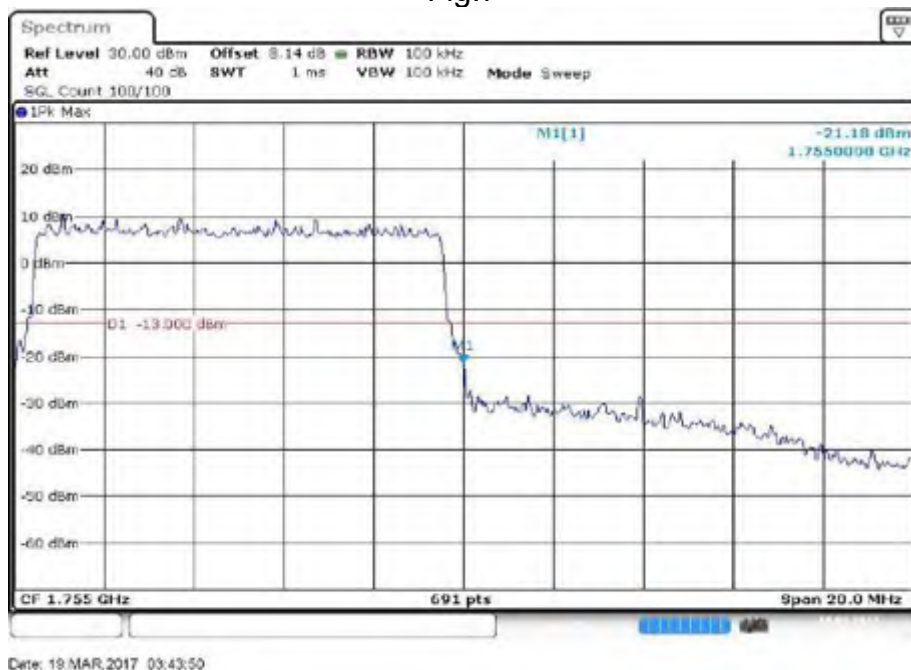


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1717.5	17275	15	1	0	Fig.1	Fig.5
				1	74	Fig.2	Fig.6
				38	18	Fig.3	Fig.7
				75	0	Fig.4	Fig.8

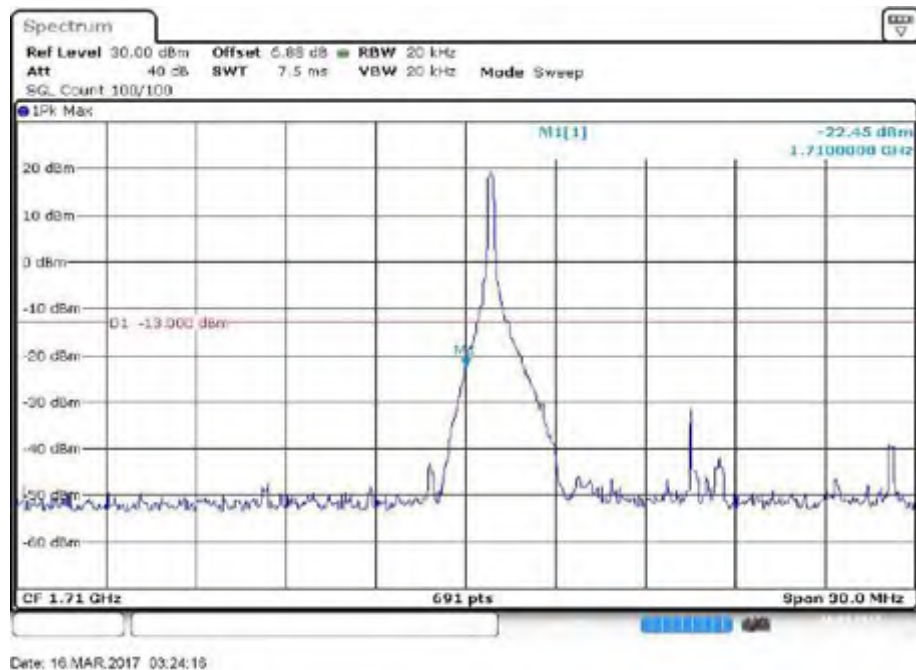


Fig.1

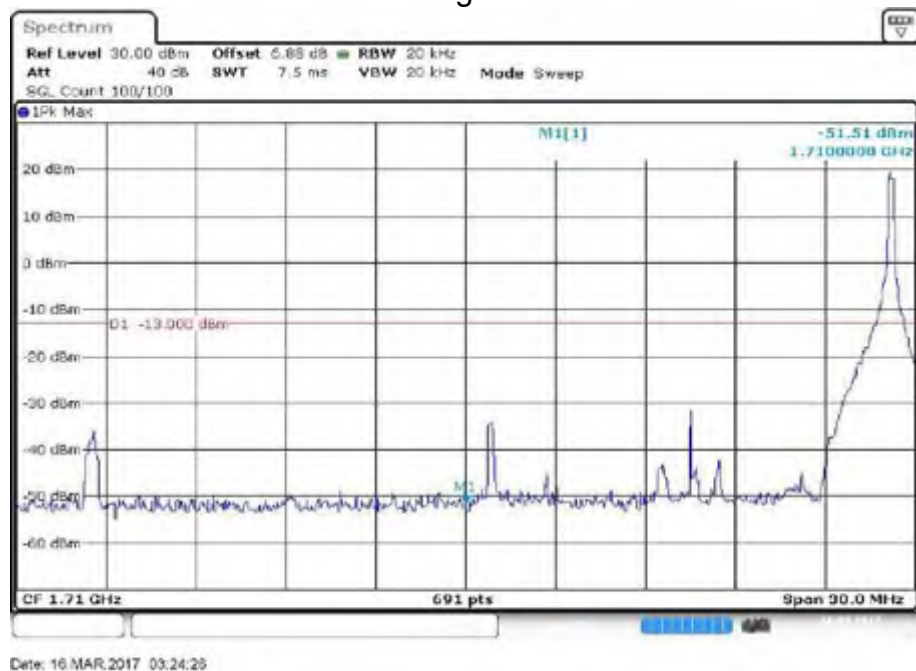


Fig.2

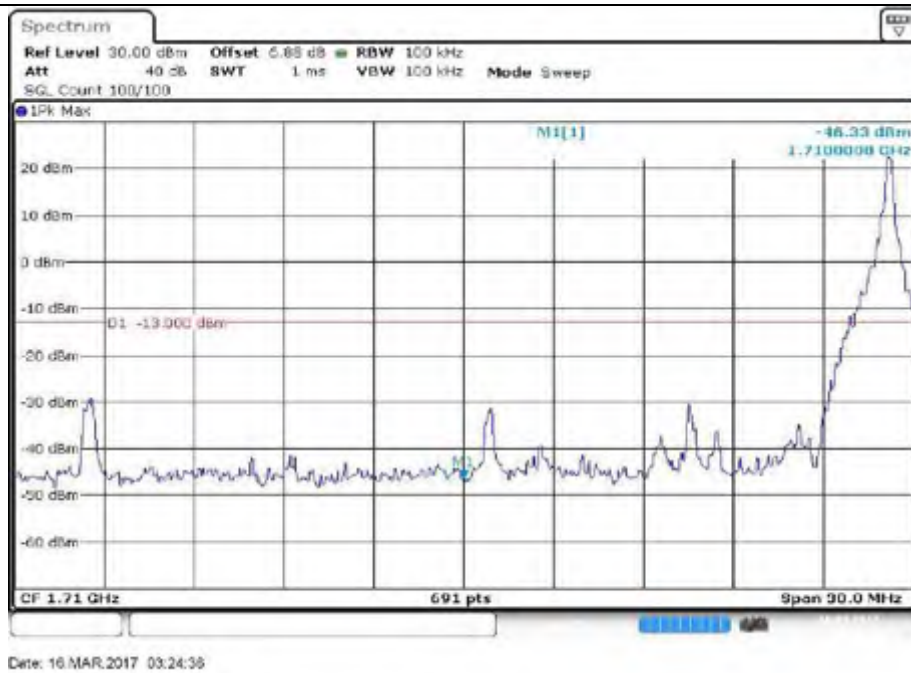


Fig.3

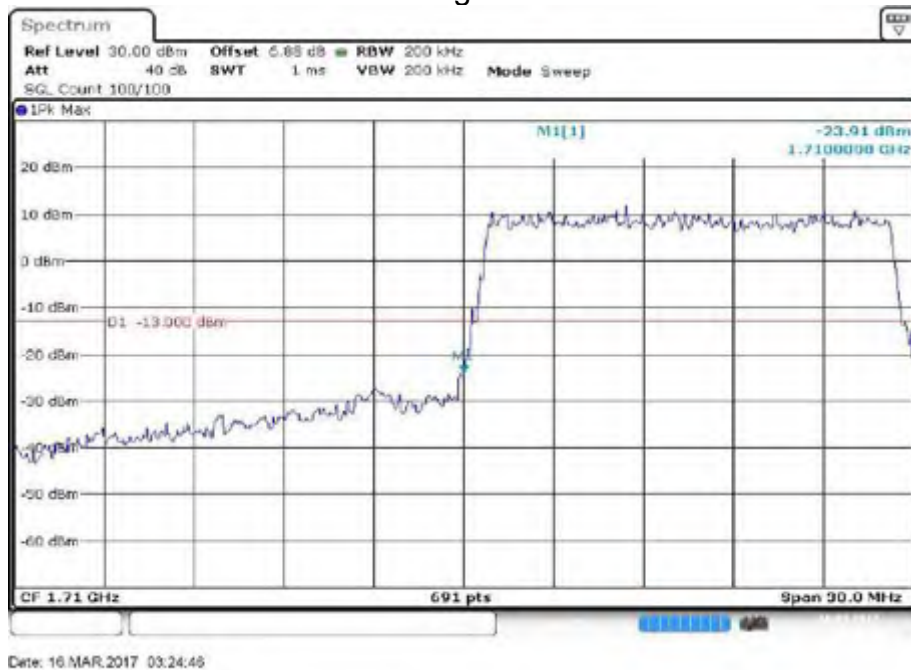


Fig.4

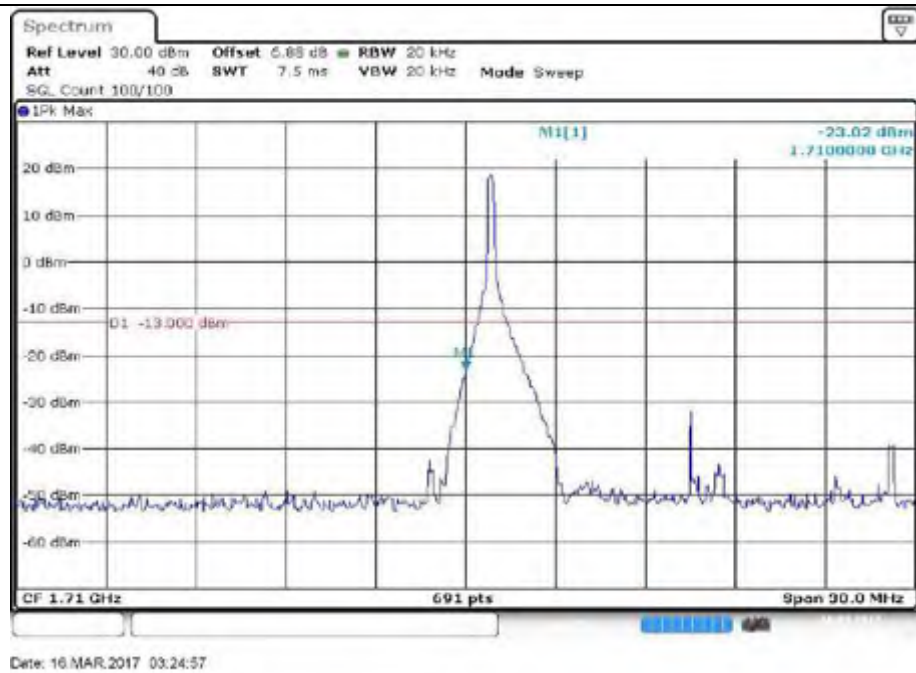


Fig.5

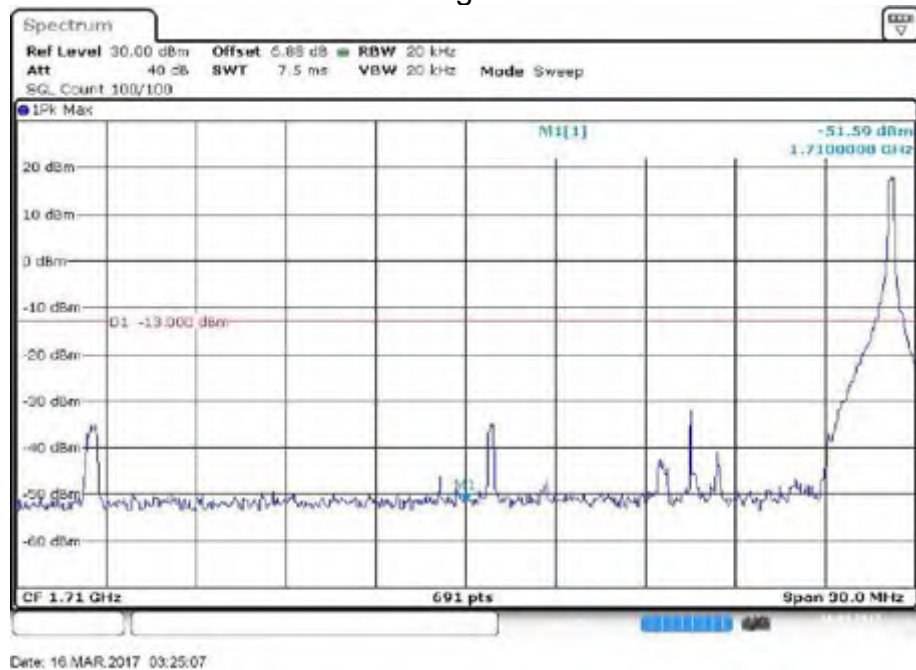


Fig.6

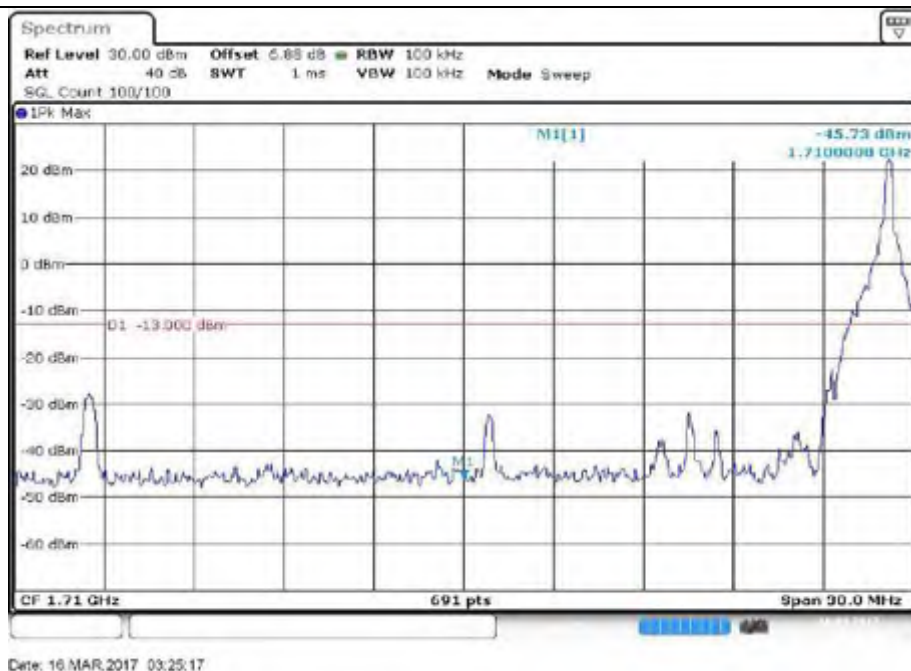


Fig.7

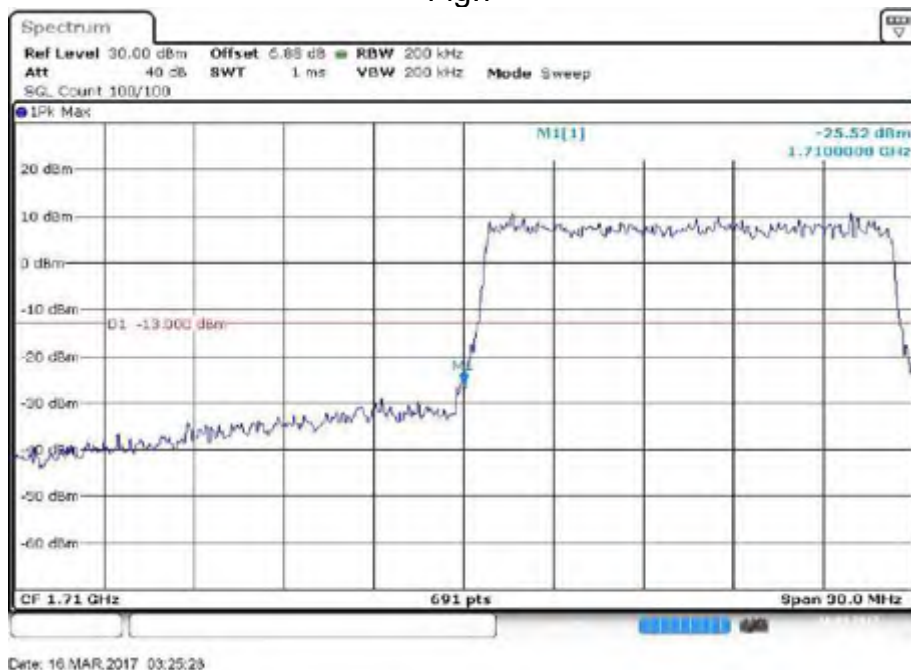


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1747.5	17575	15	1	0	Fig.1	Fig.5
				1	74	Fig.2	Fig.6
				38	18	Fig.3	Fig.7
				75	0	Fig.4	Fig.8

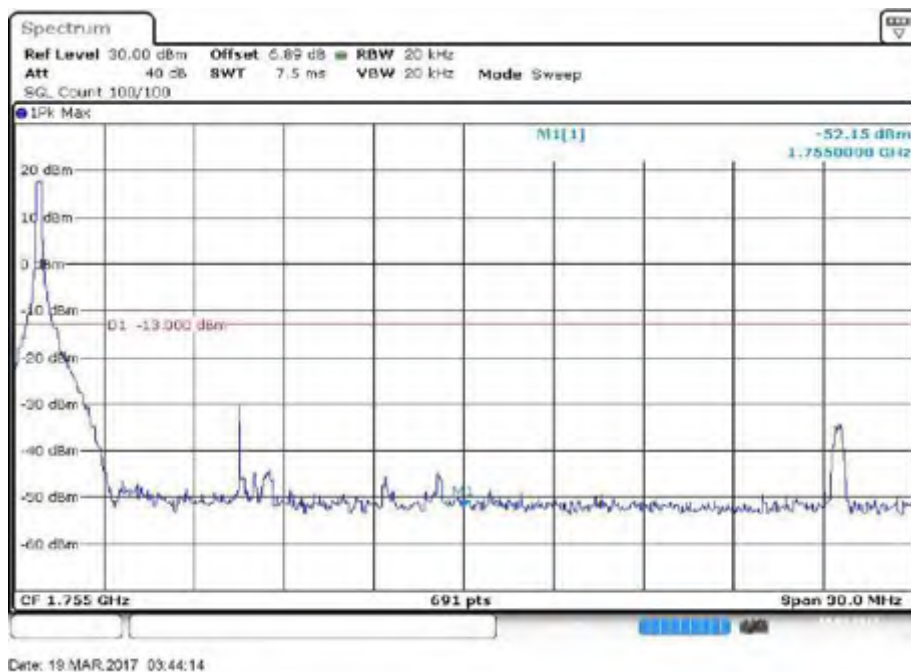


Fig.1

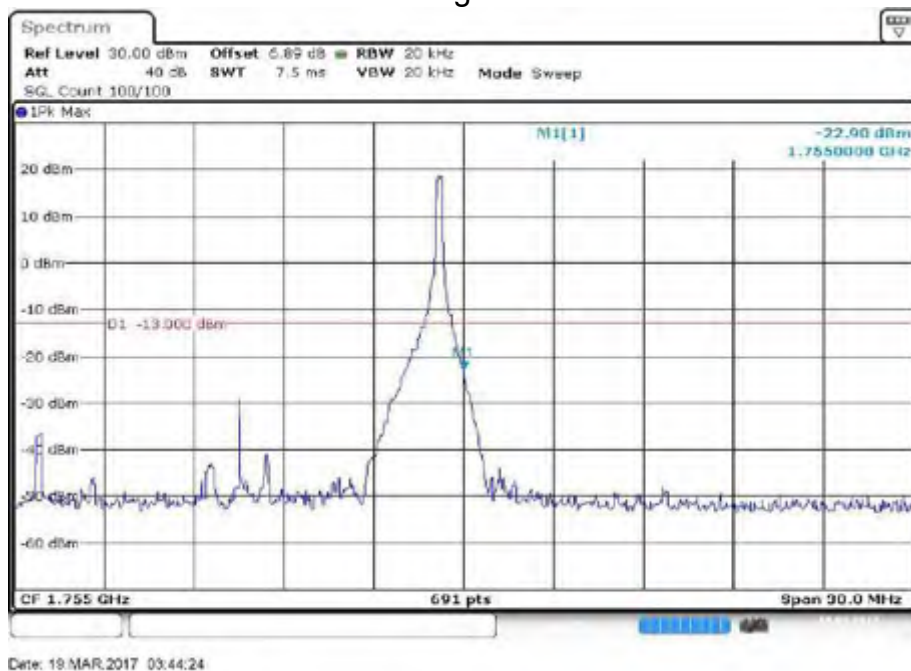


Fig.2

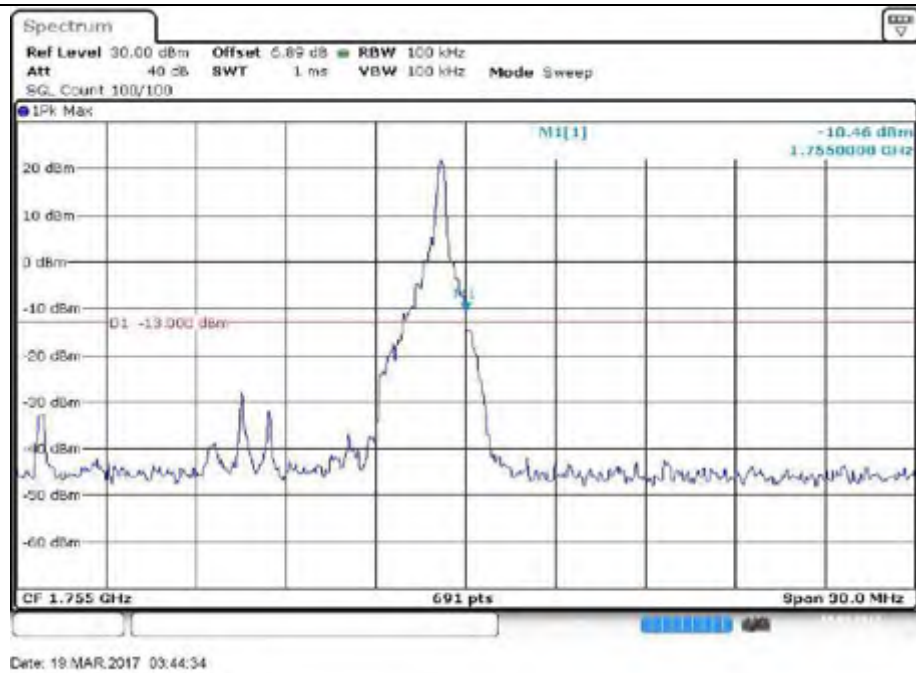


Fig.3

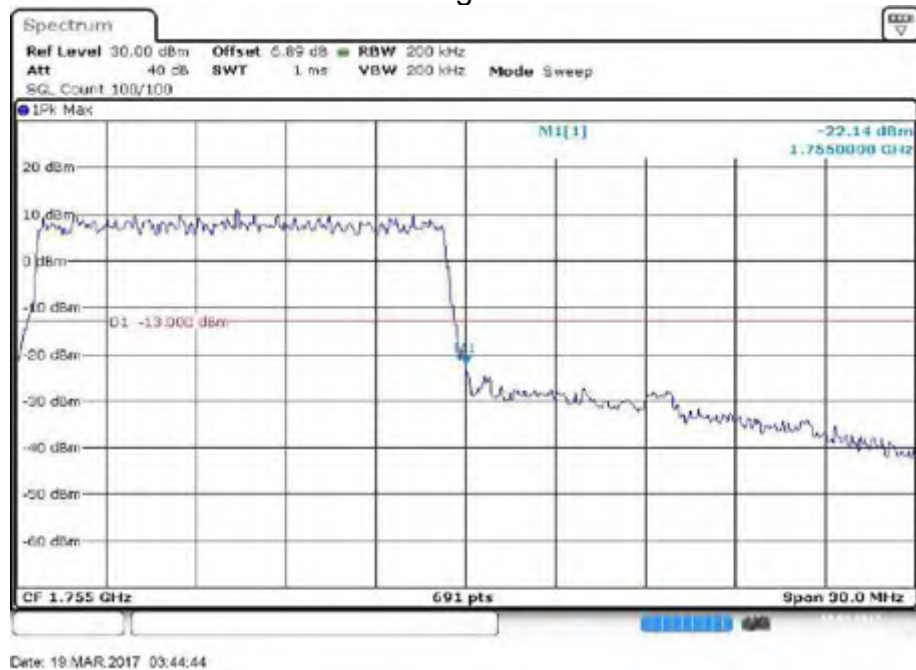


Fig.4

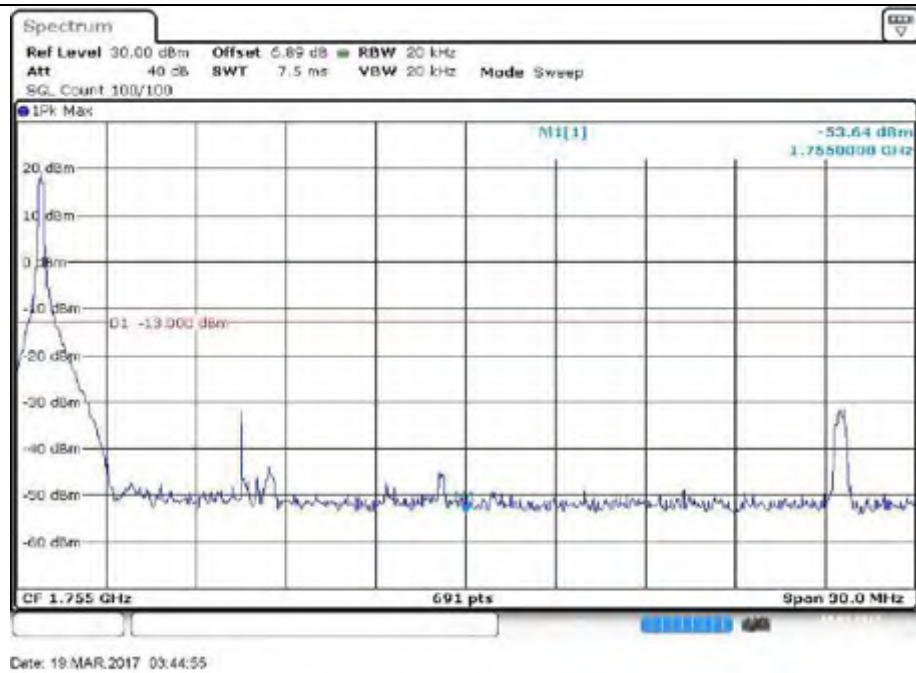


Fig.5

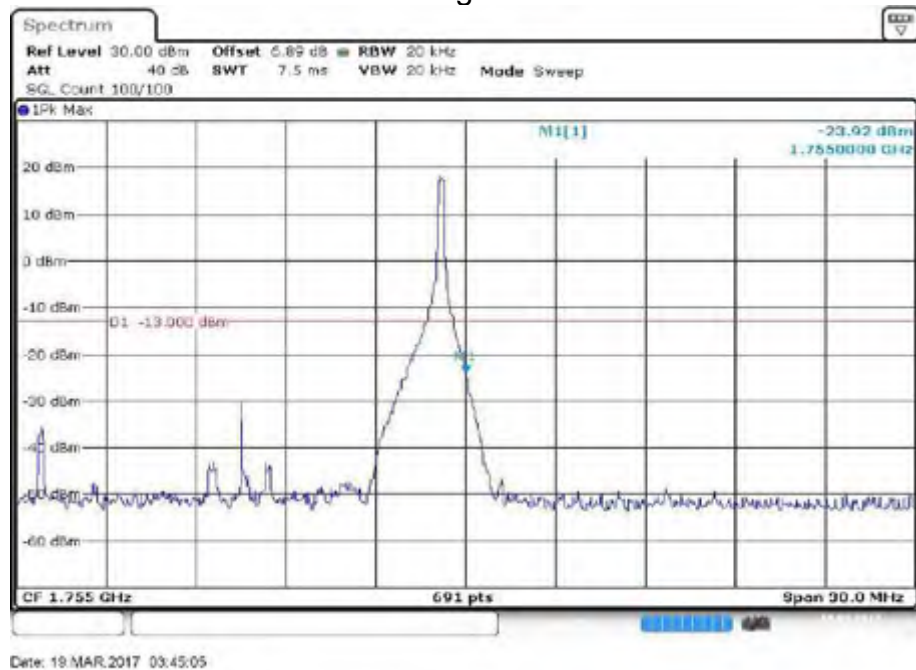


Fig.6

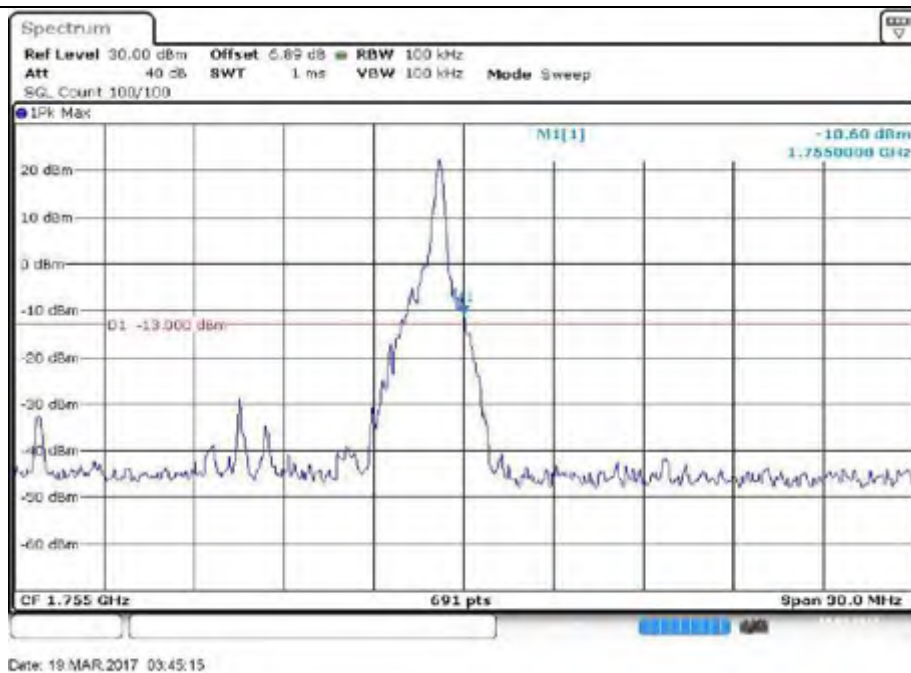


Fig.7

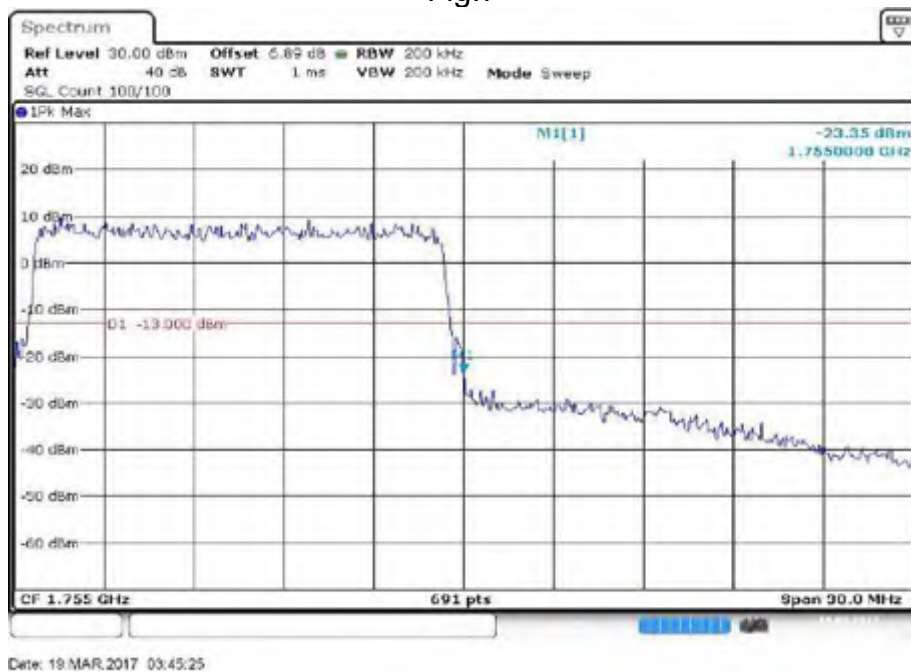


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1720	17300	20	1	0	Fig.1	Fig.5
				1	99	Fig.2	Fig.6
				50	25	Fig.3	Fig.7
				100	0	Fig.4	Fig.8

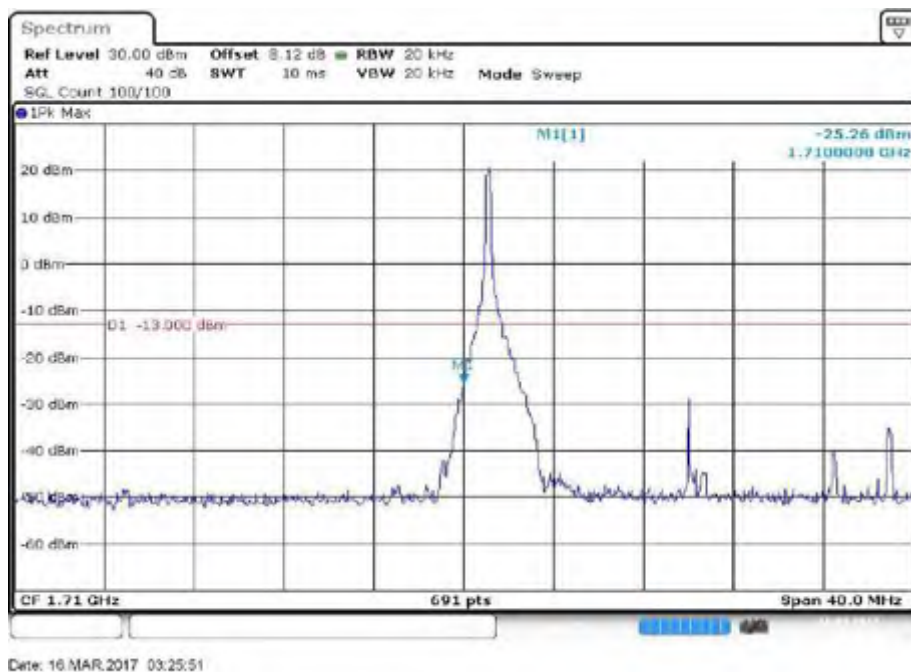


Fig.1

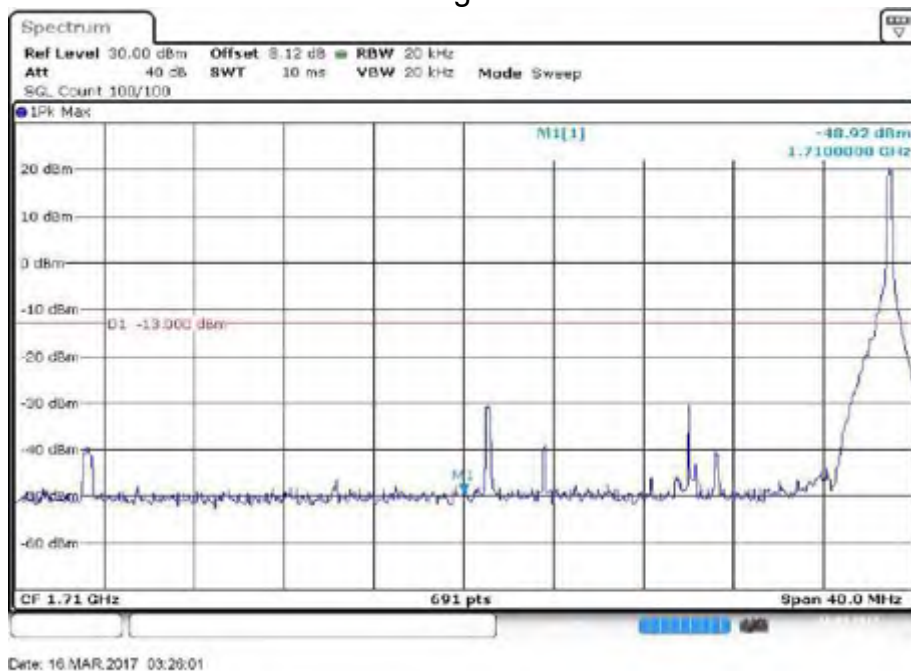


Fig.2

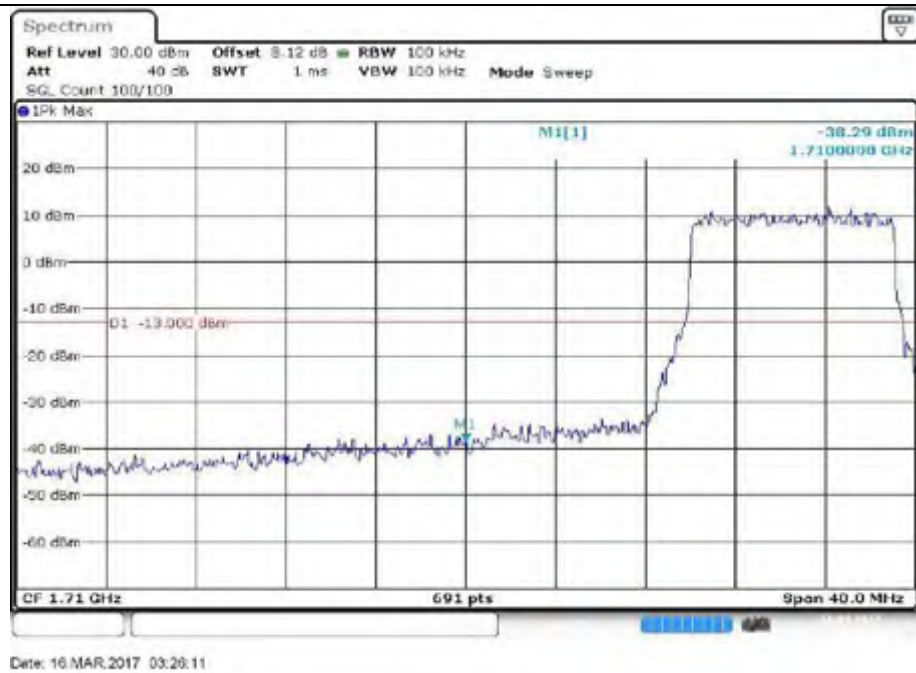


Fig.3

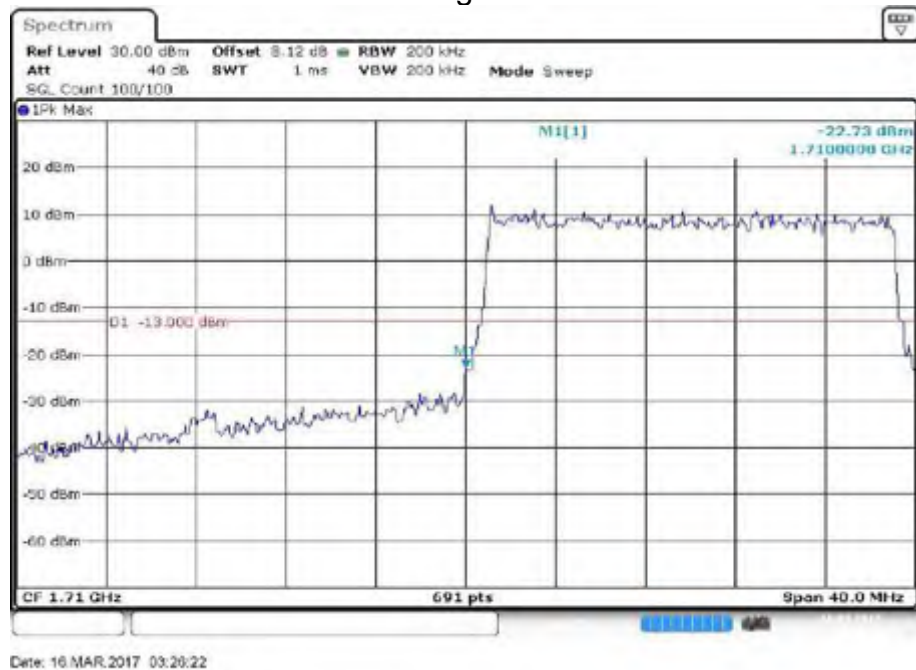
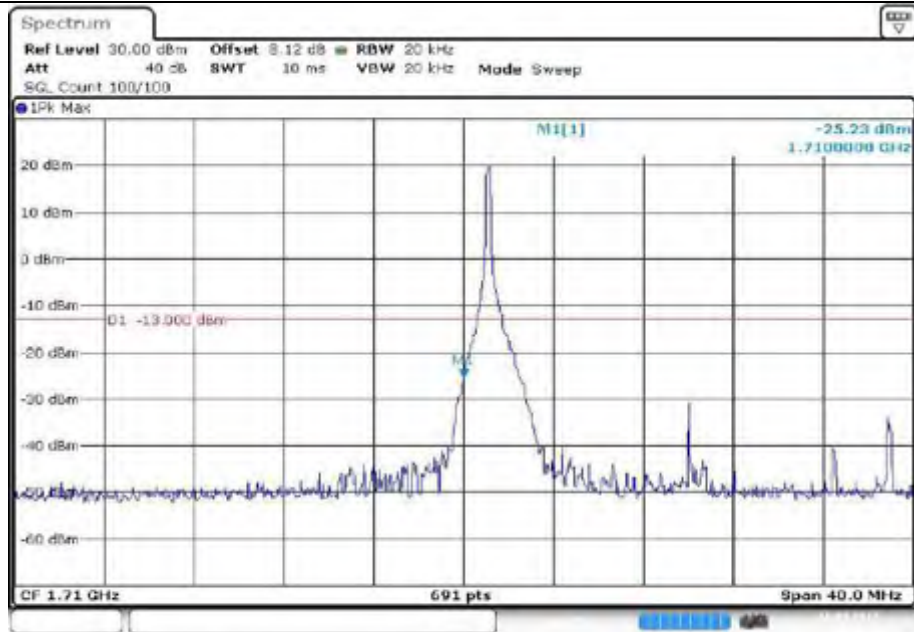
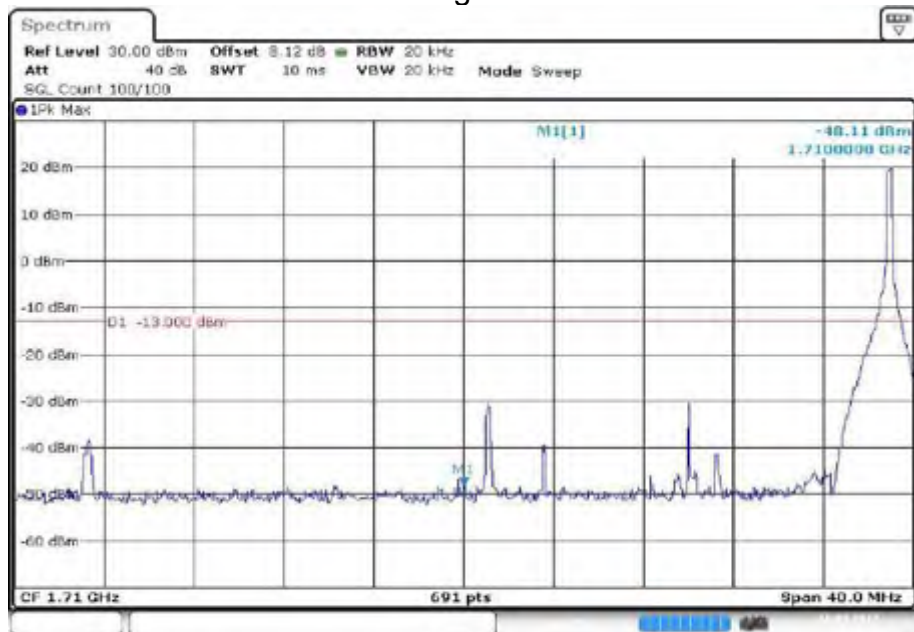


Fig.4



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Fig.5



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Fig.6

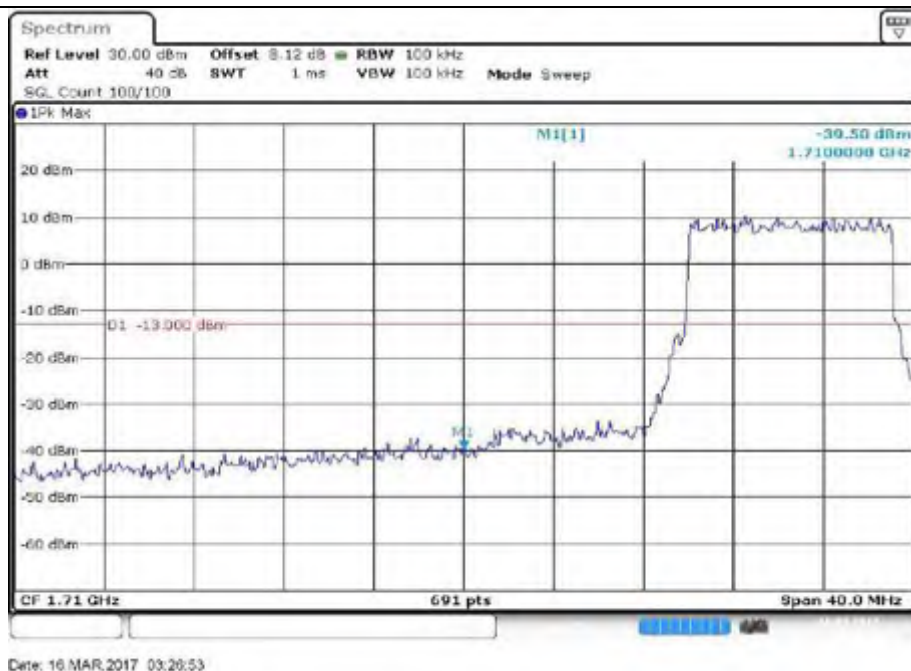


Fig.7

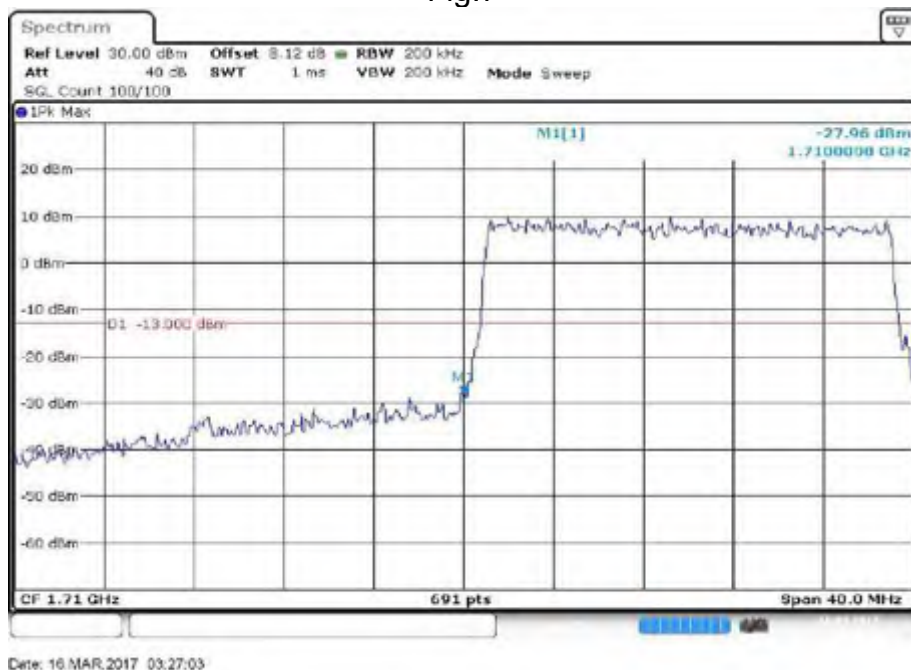


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
4	1745	17550	20	1	0	Fig.1	Fig.5
				1	99	Fig.2	Fig.6
				50	25	Fig.3	Fig.7
				100	0	Fig.4	Fig.8

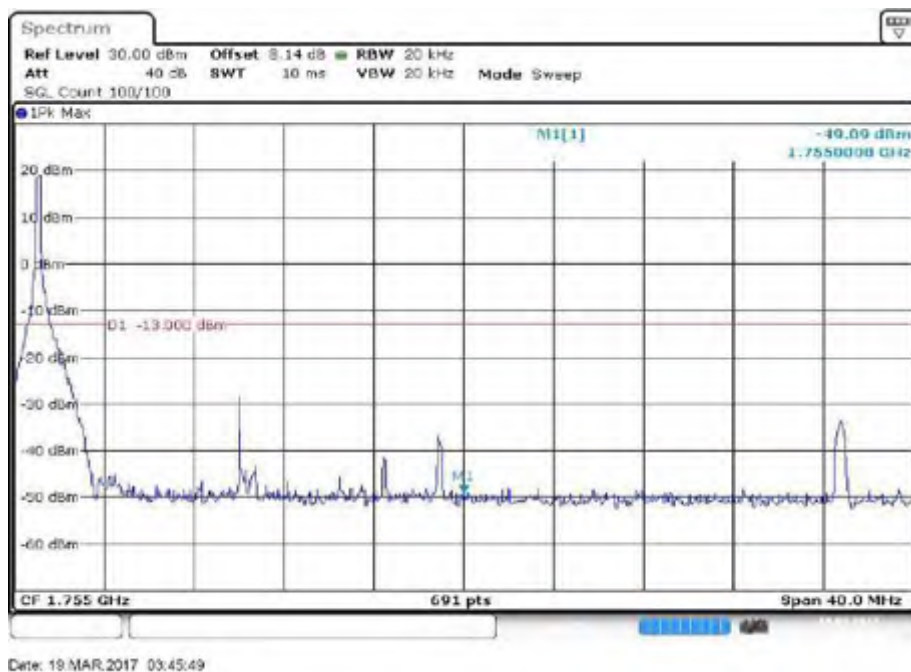


Fig.1

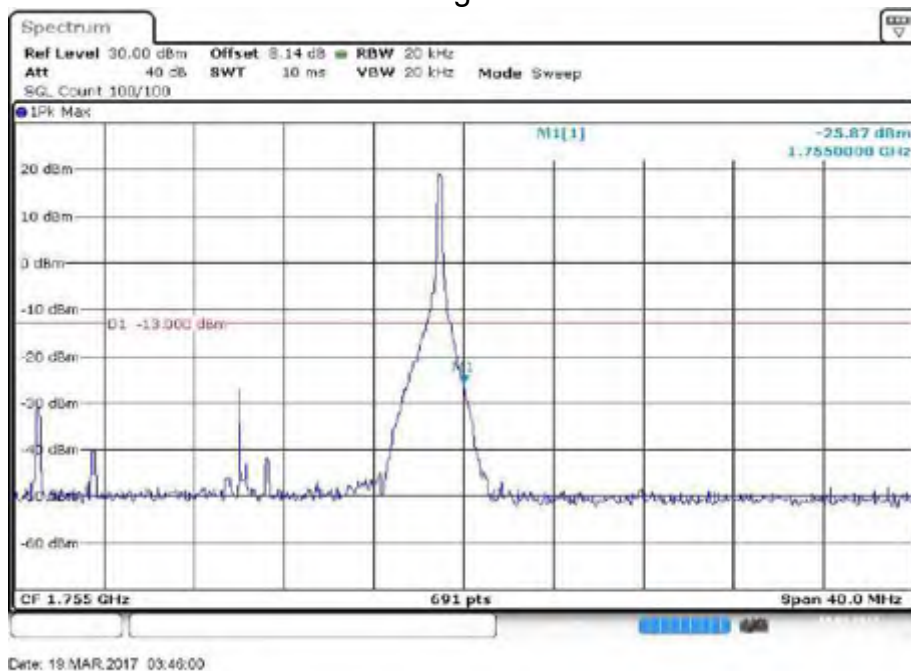


Fig.2

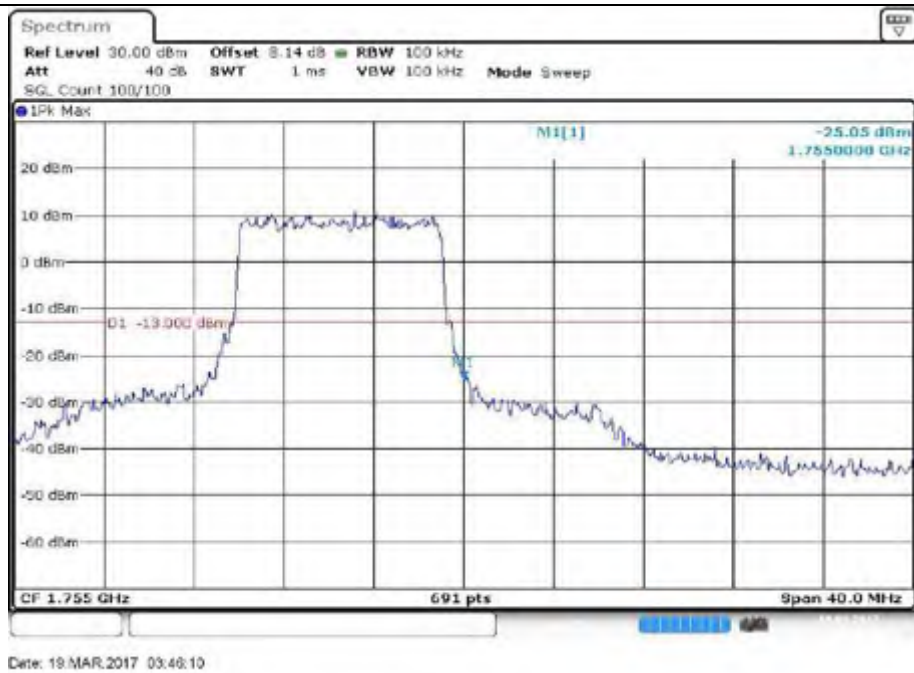


Fig.3

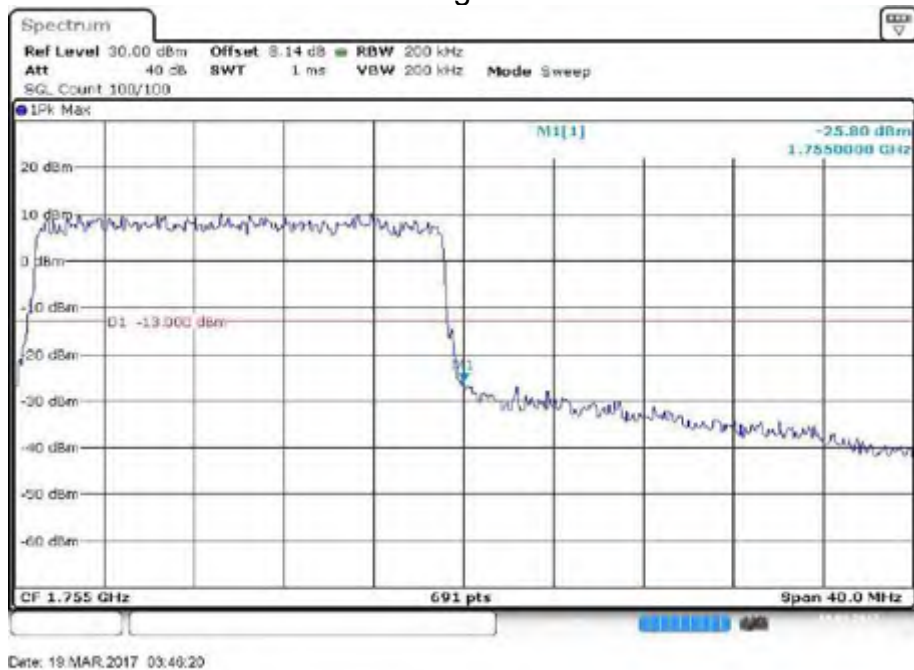


Fig.4

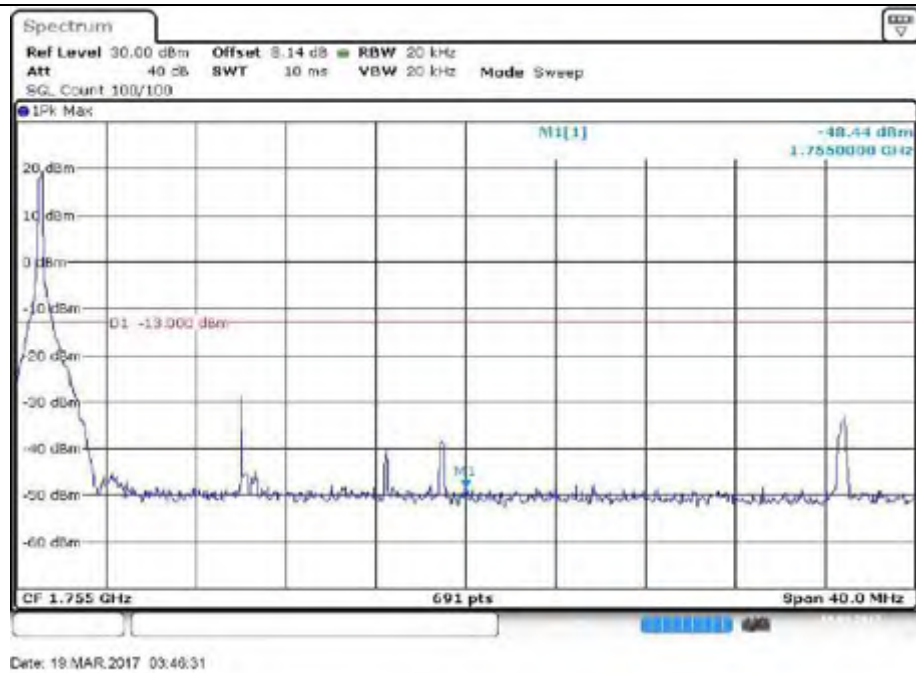


Fig.5

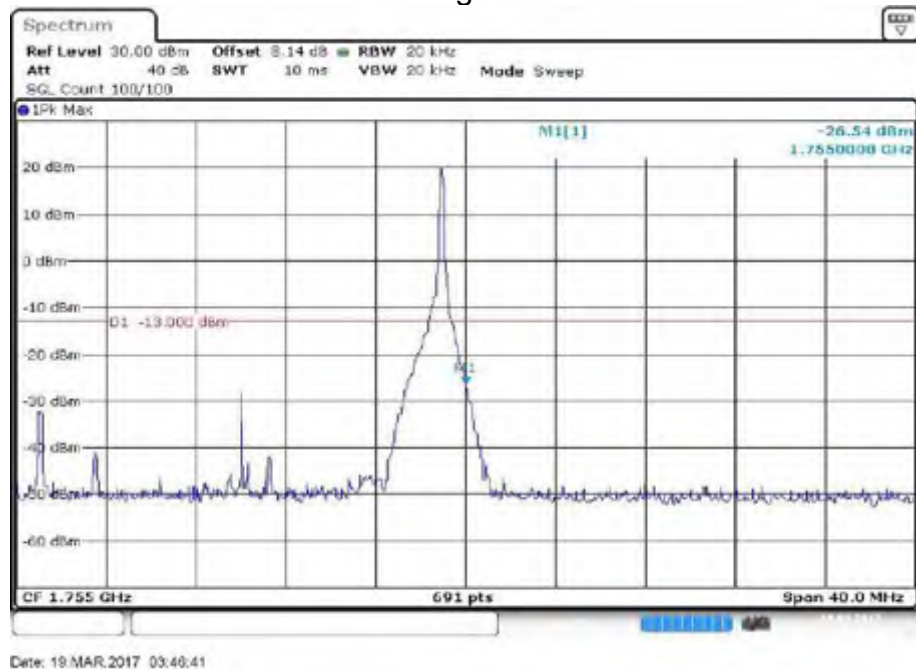


Fig.6

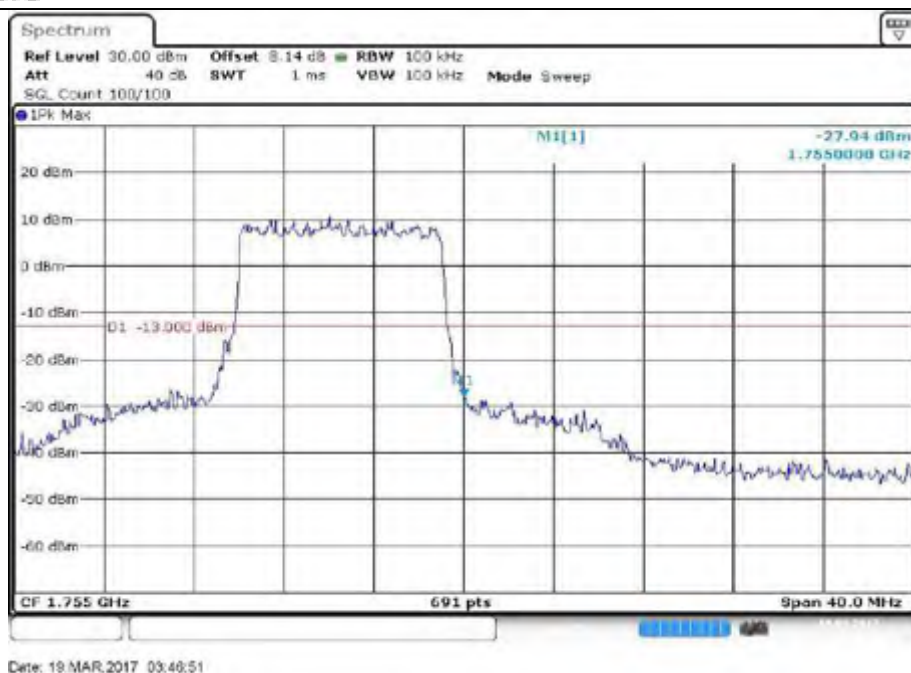


Fig.7

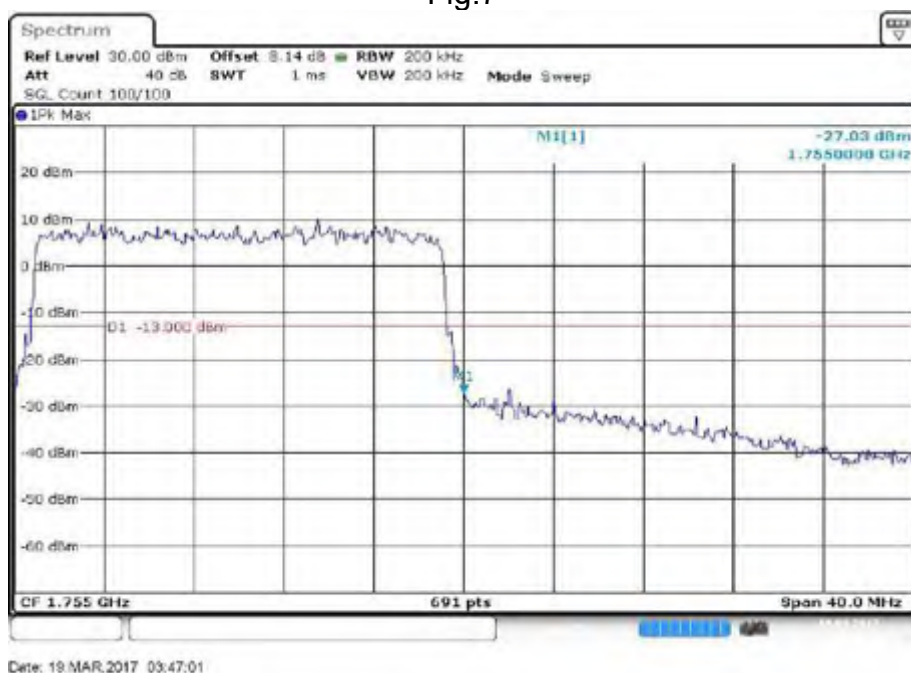


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2502.5	25125	5	1	0	Fig.1	Fig.5
				1	24	Fig.2	Fig.6
				12	6	Fig.3	Fig.7
				25	0	Fig.4	Fig.8

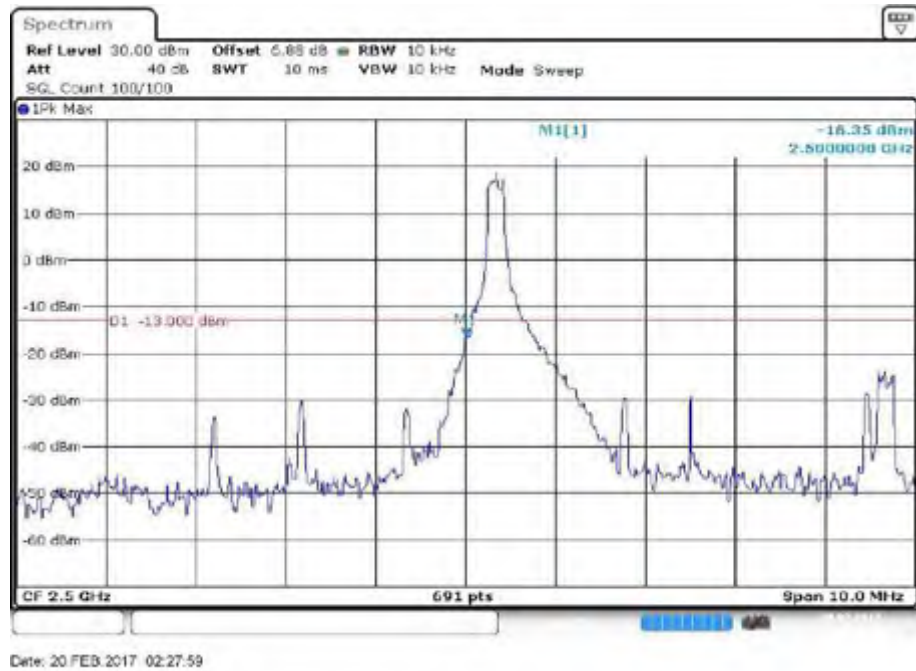


Fig.1

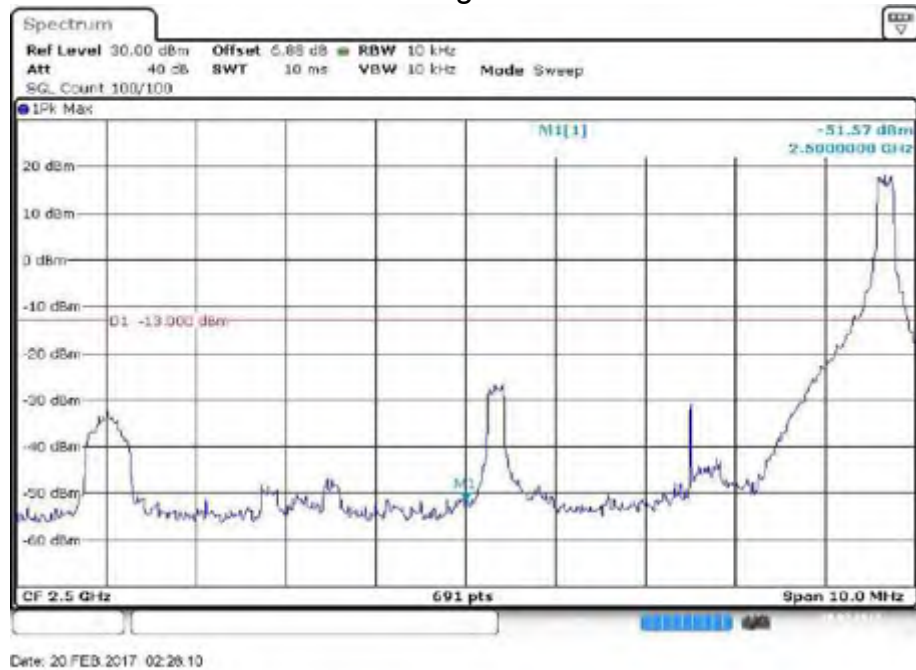


Fig.2

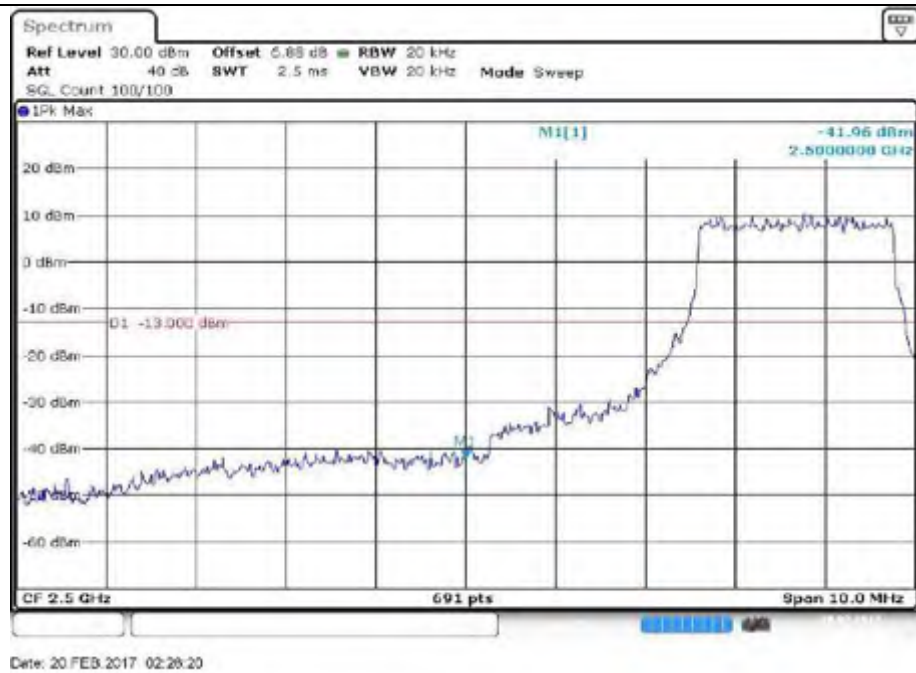


Fig.3

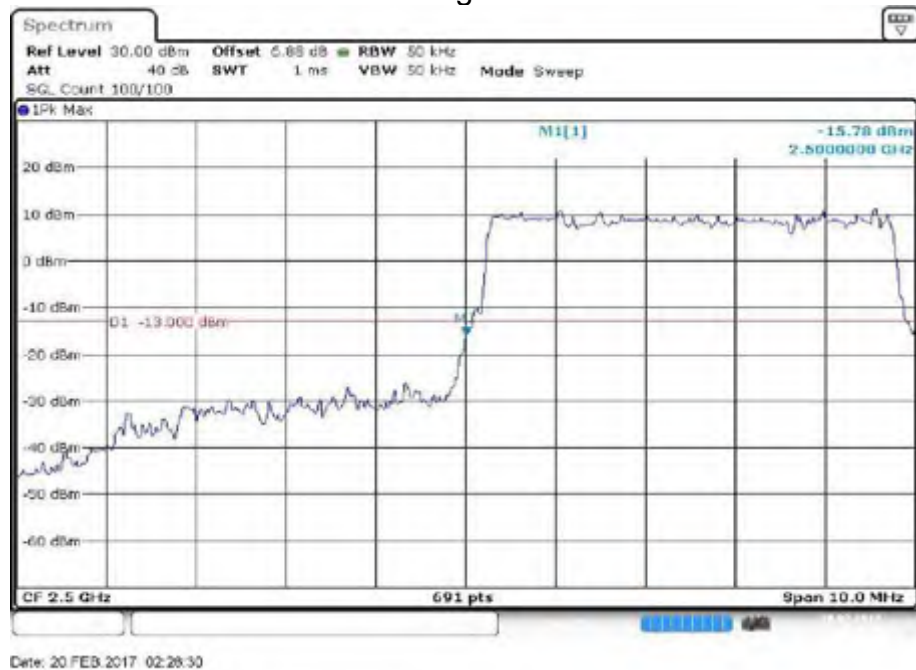


Fig.4

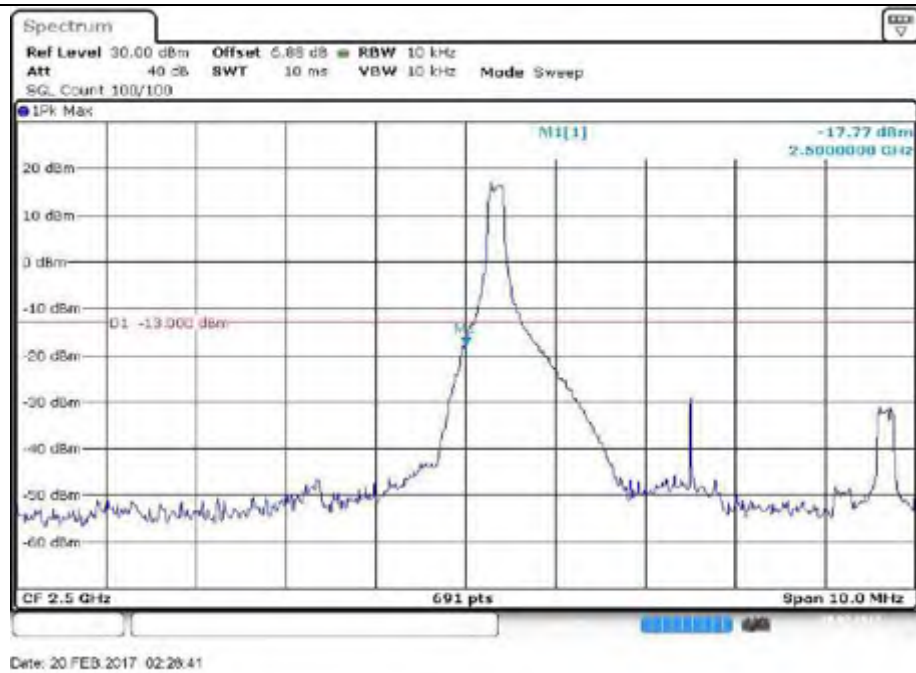


Fig.5



Fig.6

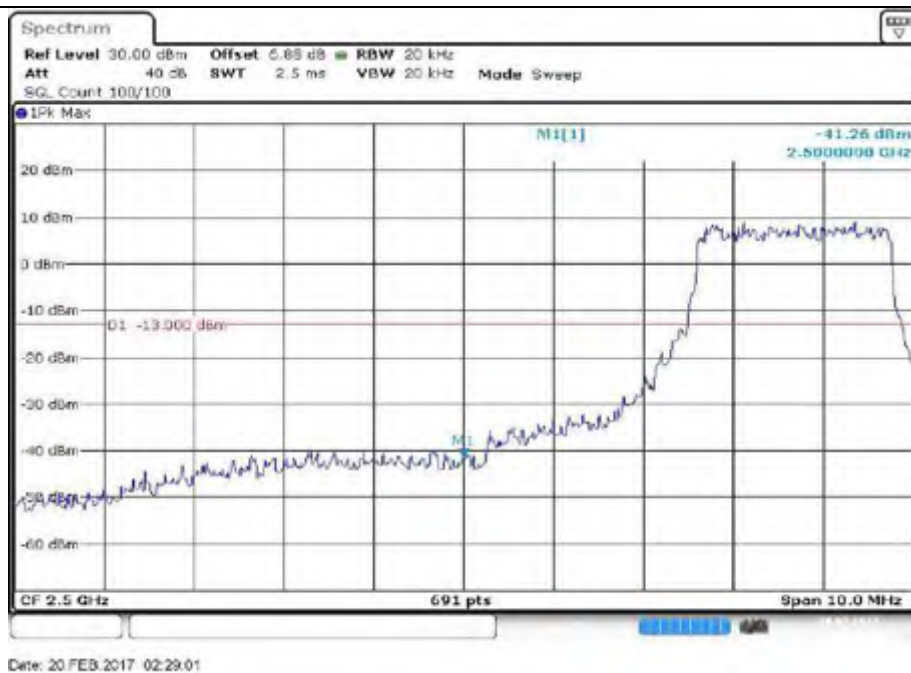


Fig.7

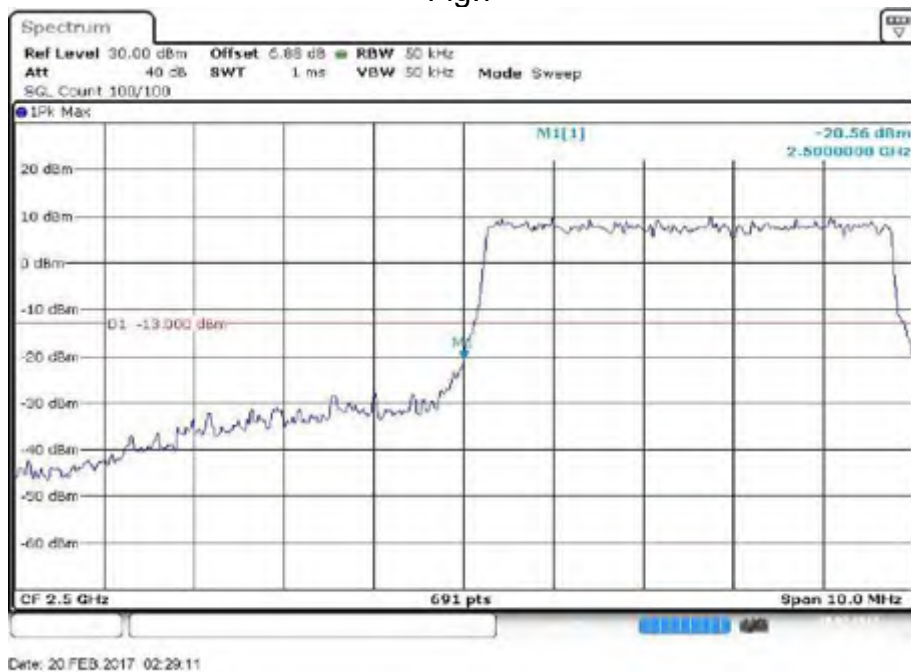


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2567.5	25775	5	1	0	Fig.1	Fig.5
				1	24	Fig.2	Fig.6
				12	6	Fig.3	Fig.7
				25	0	Fig.4	Fig.8

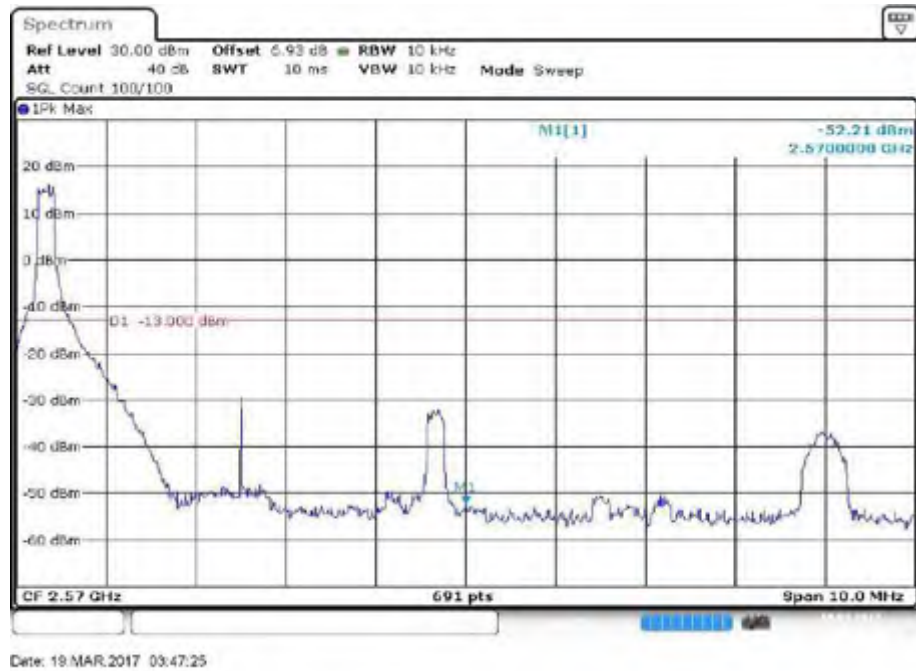


Fig.1

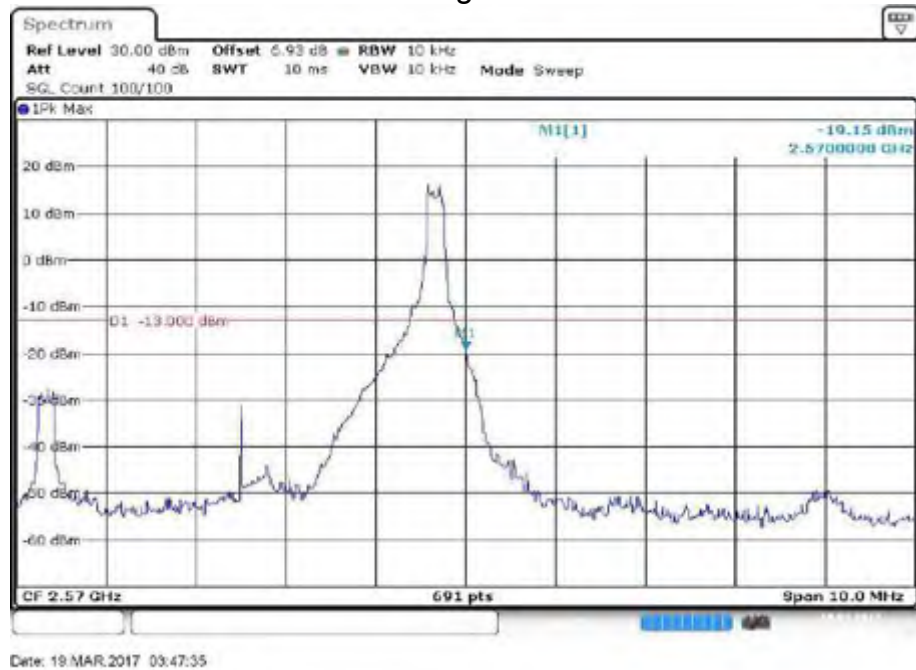


Fig.2

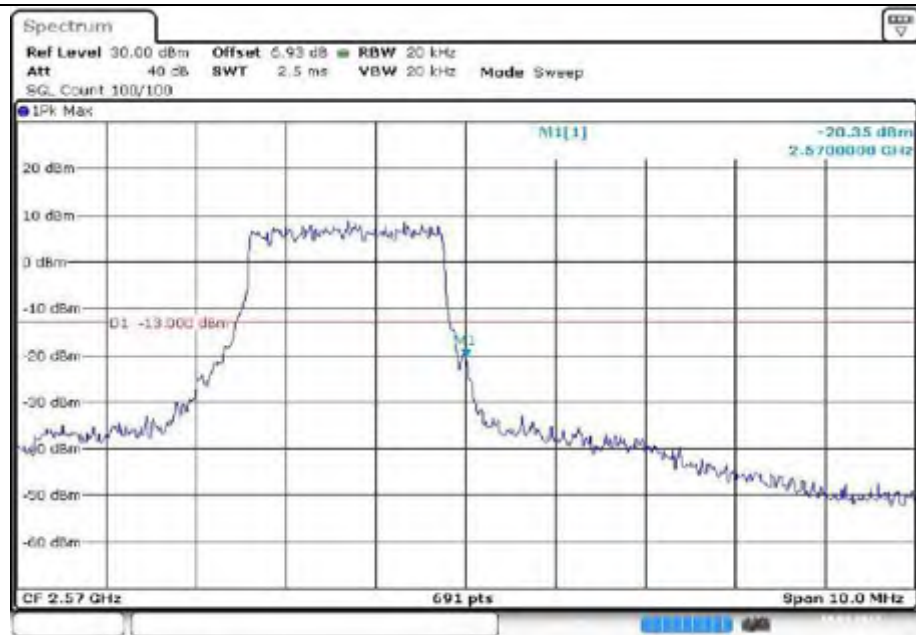


Fig.3

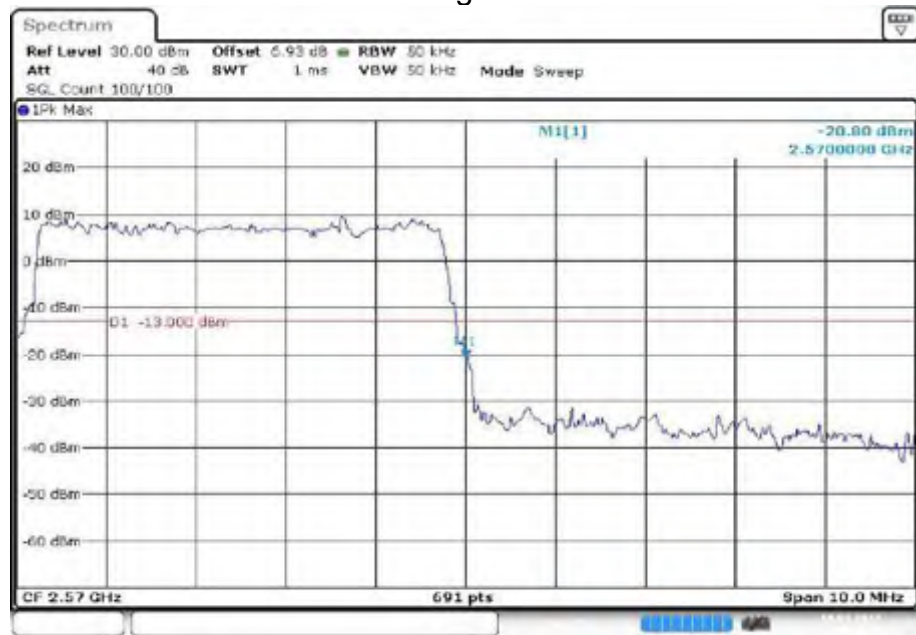


Fig.4

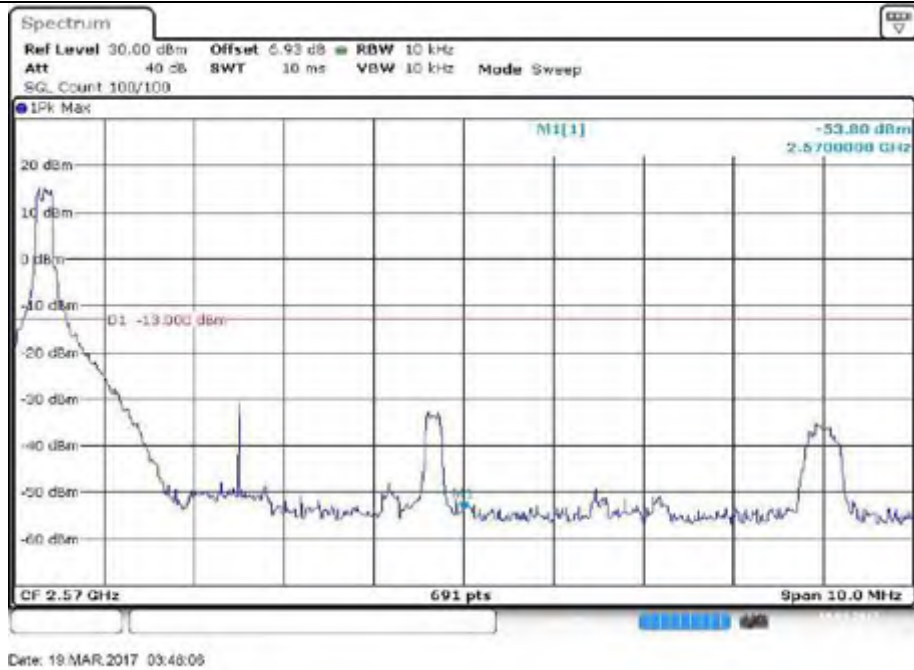


Fig.5

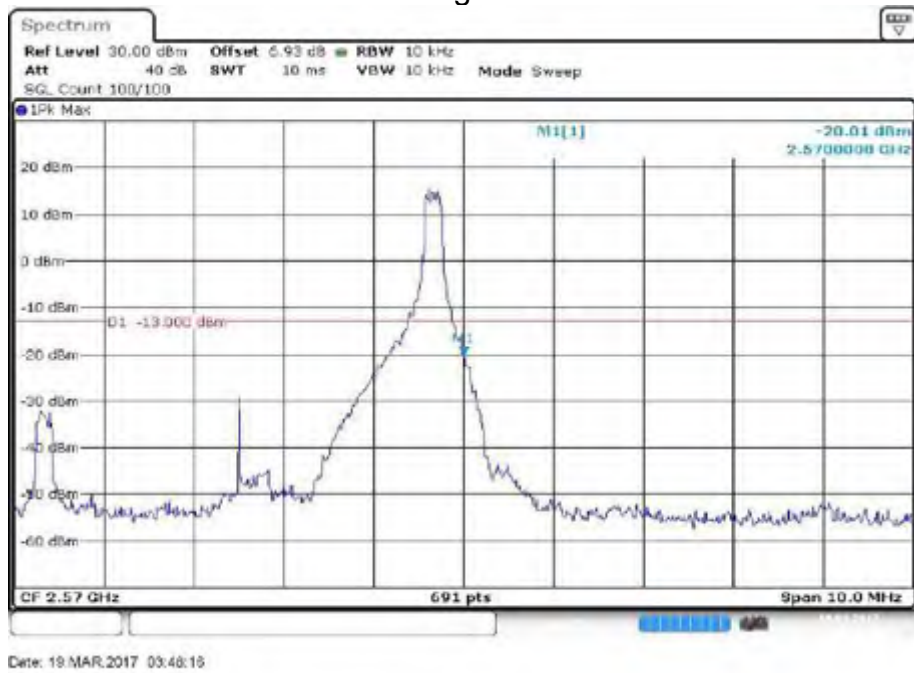


Fig.6

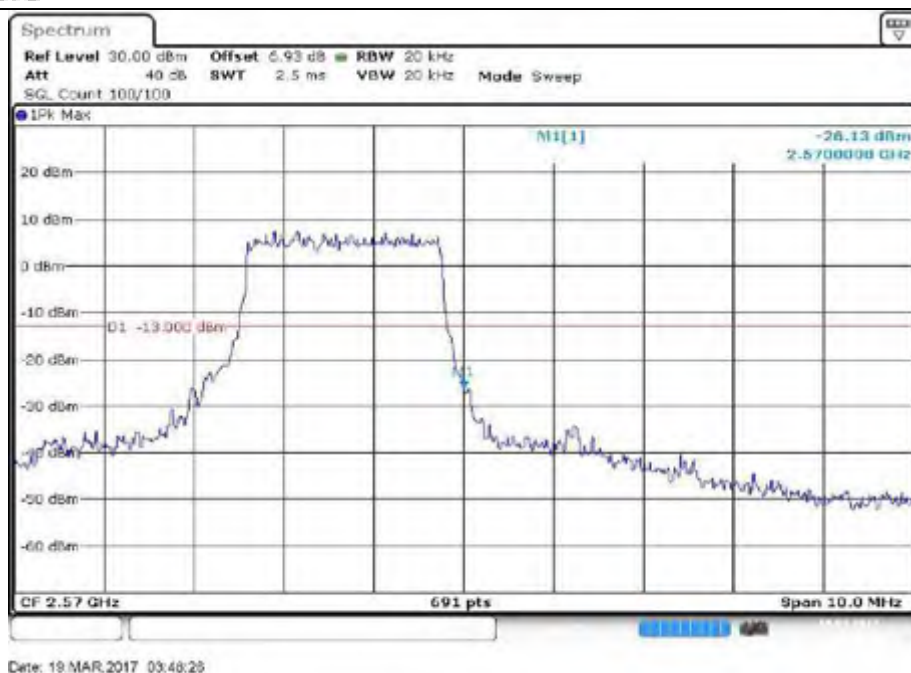


Fig.7

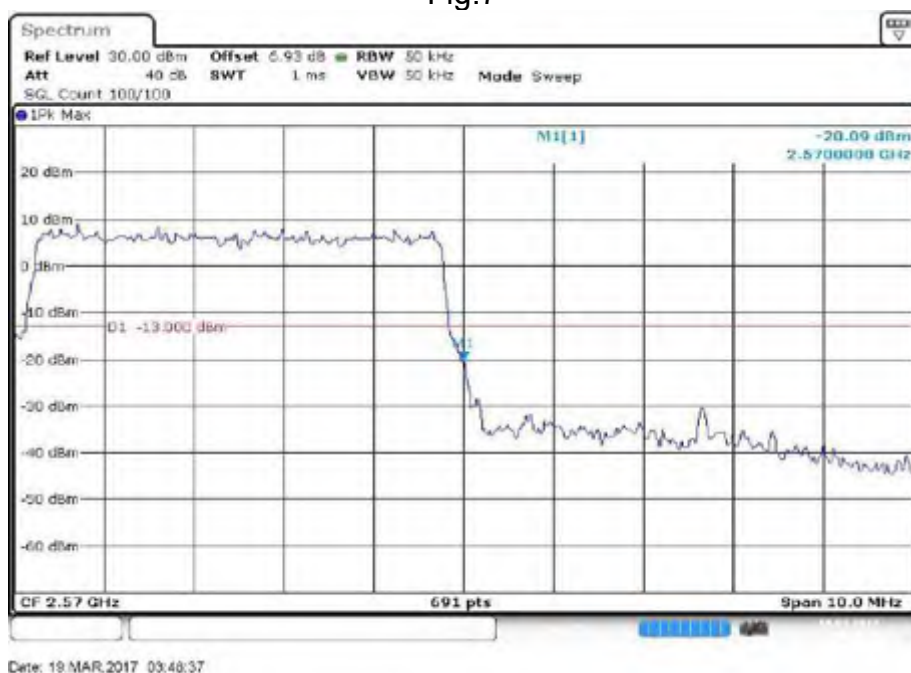


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2505	25150	10	1	0	Fig.1	Fig.5
				1	49	Fig.2	Fig.6
				24	12	Fig.3	Fig.7
				50	0	Fig.4	Fig.8

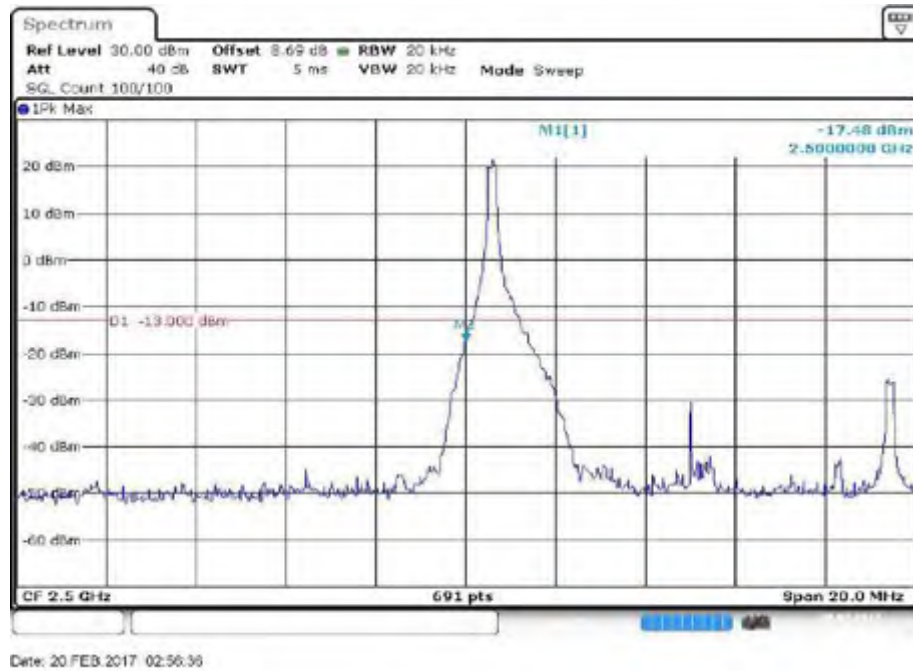


Fig.1

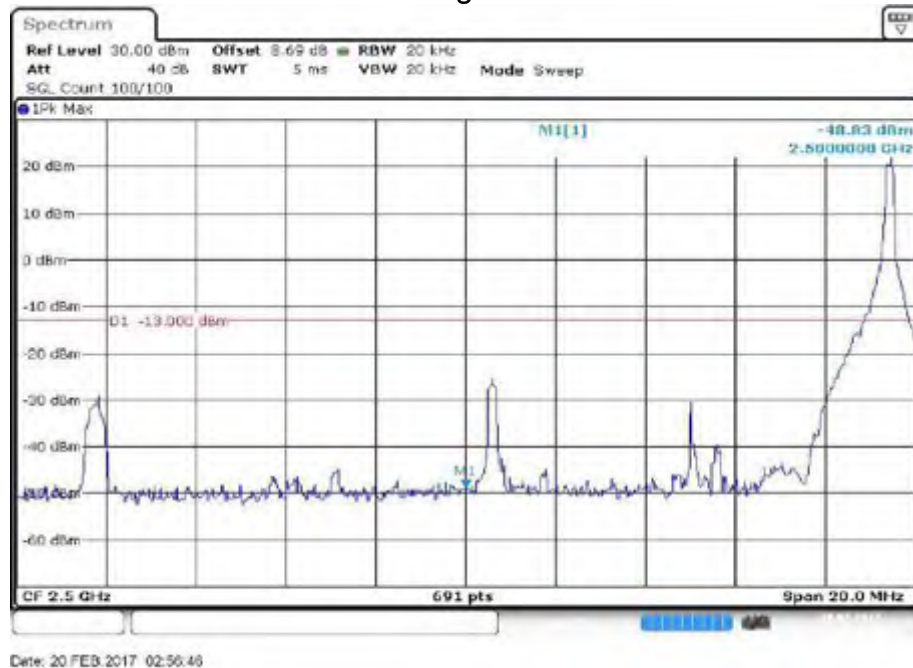


Fig.2

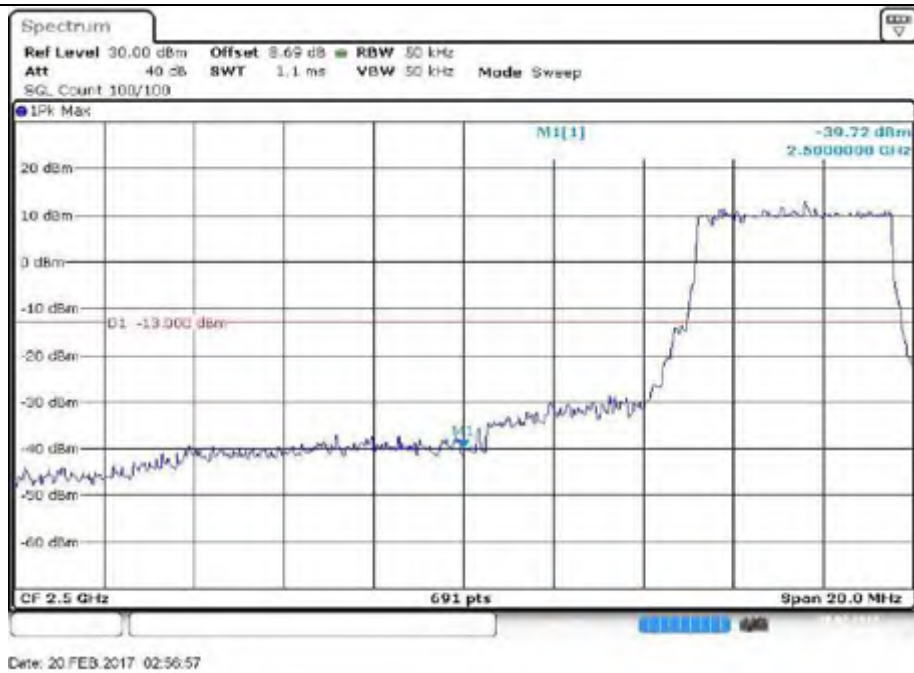


Fig.3

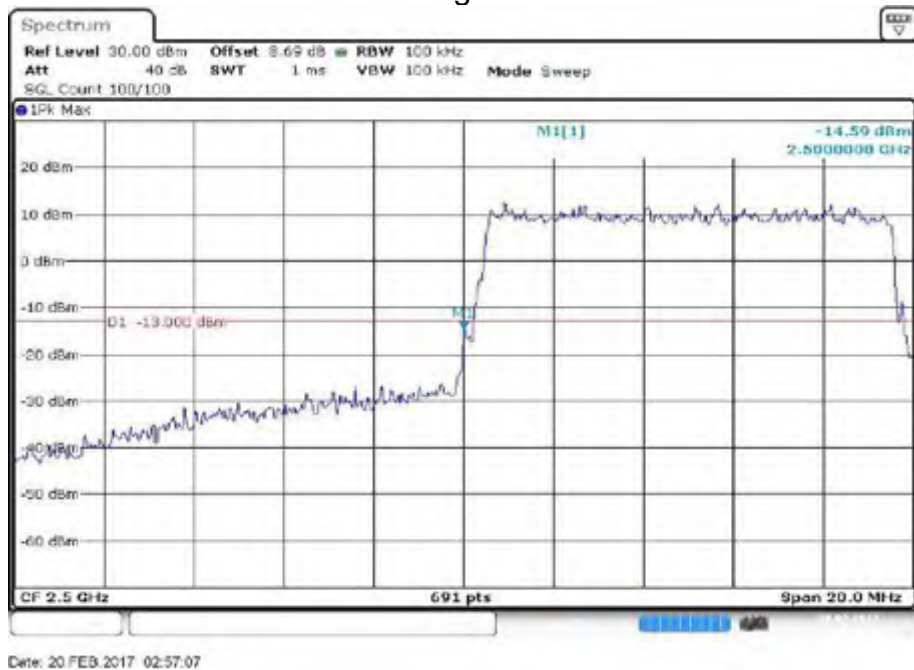


Fig.4

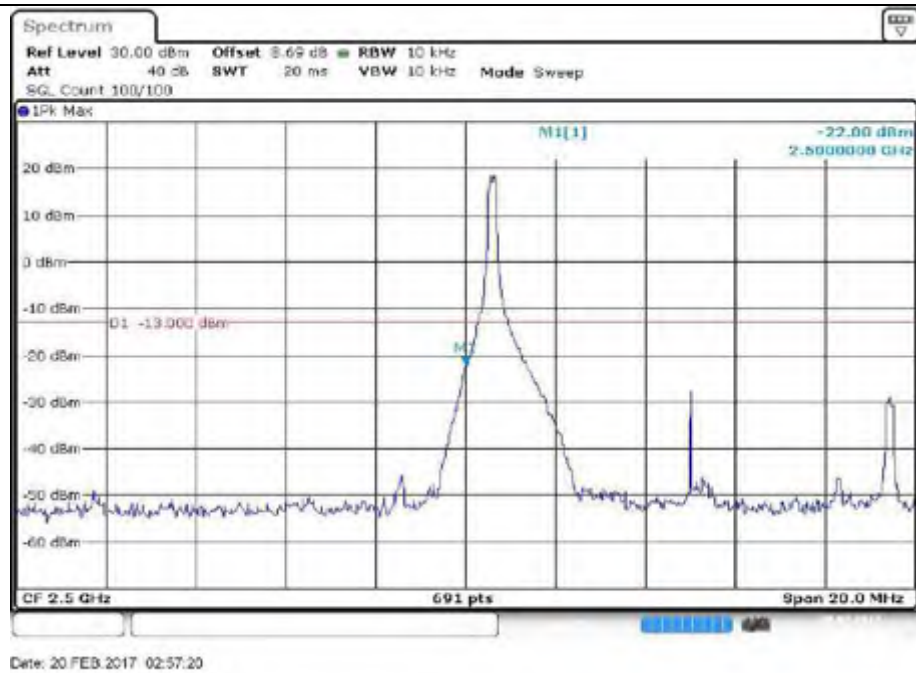


Fig.5

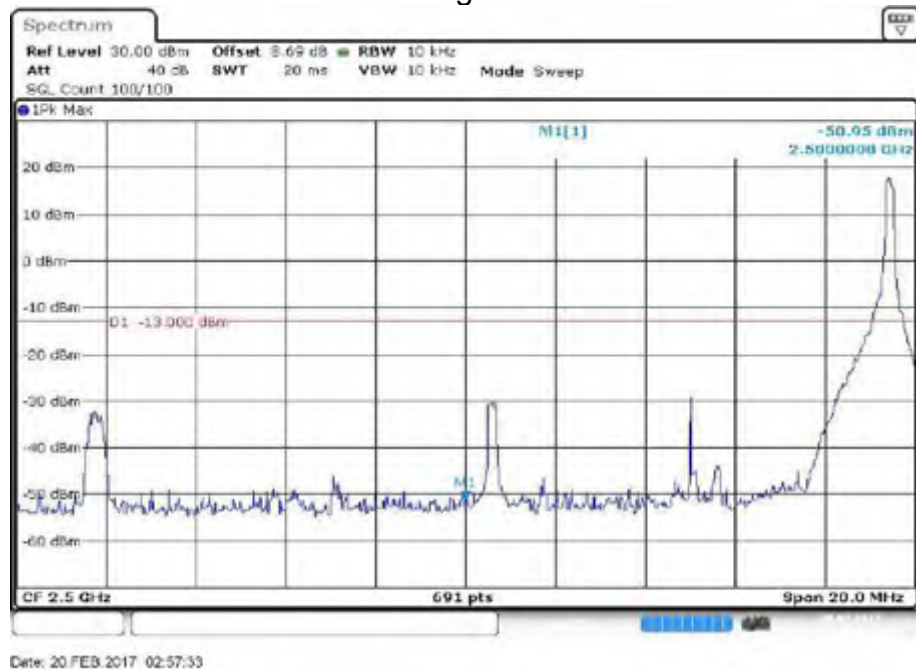


Fig.6

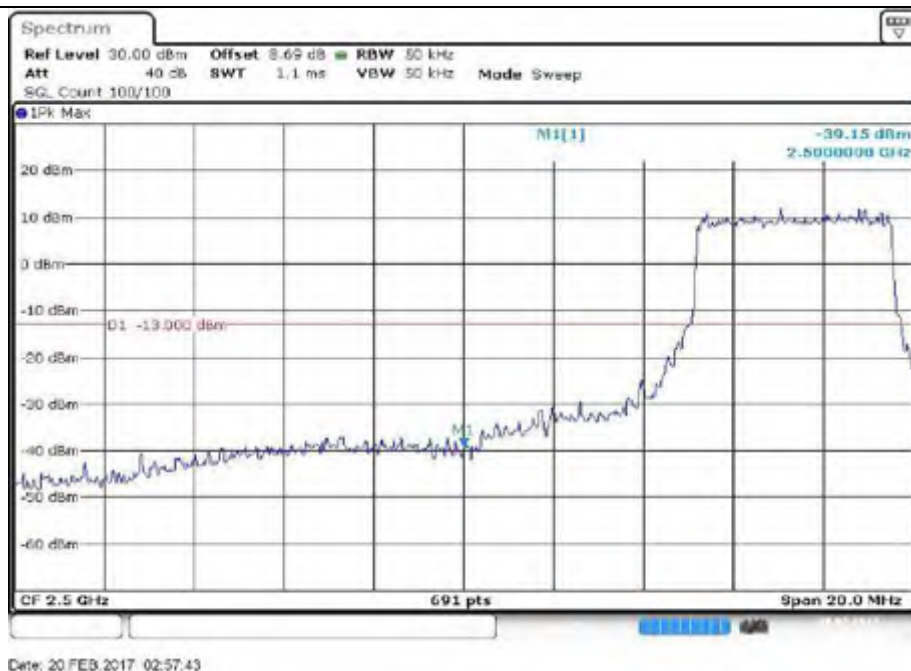


Fig.7

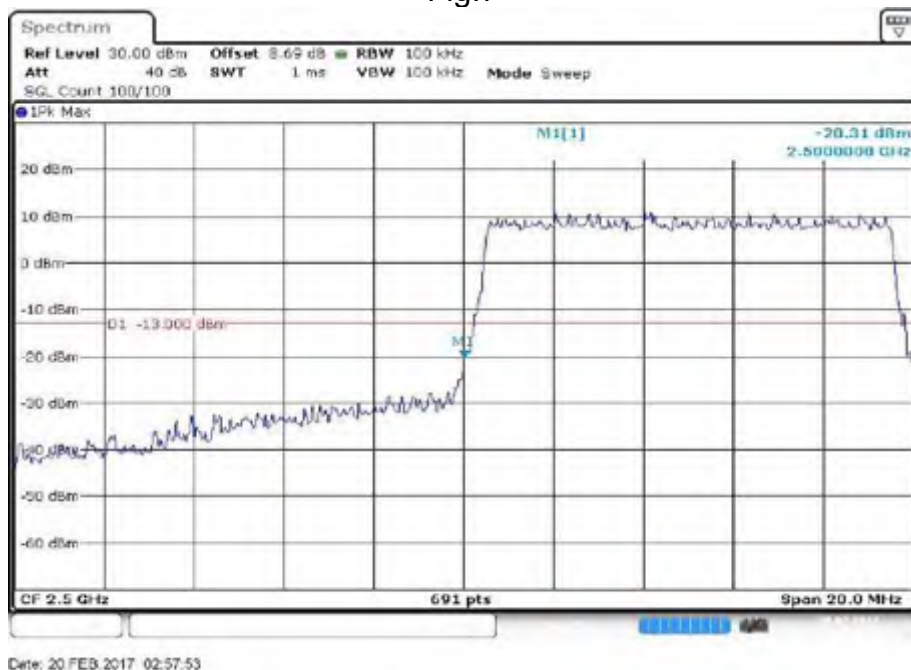


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2565	25750	10	1	0	Fig.1	Fig.5
				1	49	Fig.2	Fig.6
				24	12	Fig.3	Fig.7
				50	0	Fig.4	Fig.8

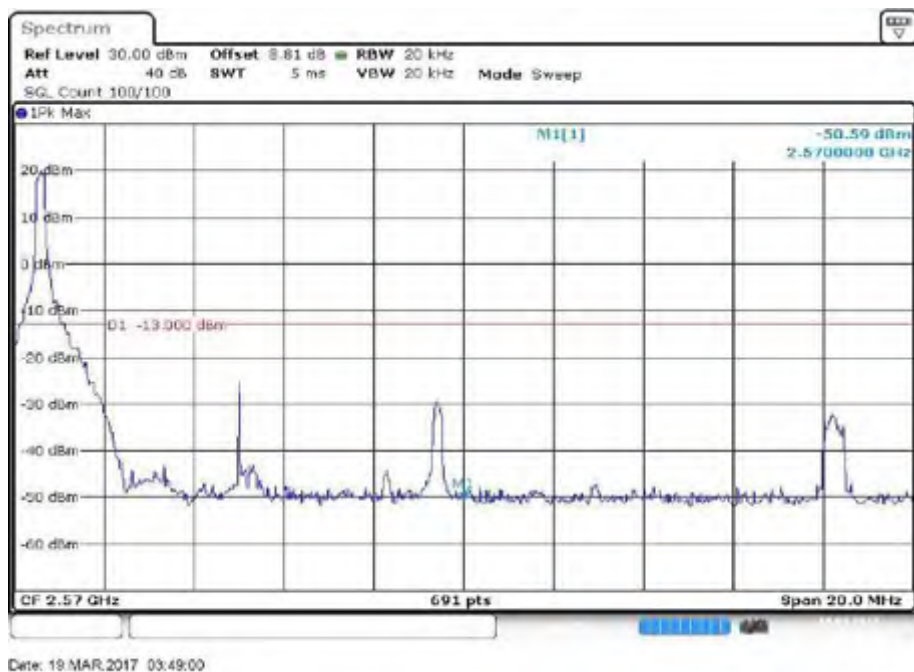


Fig.1

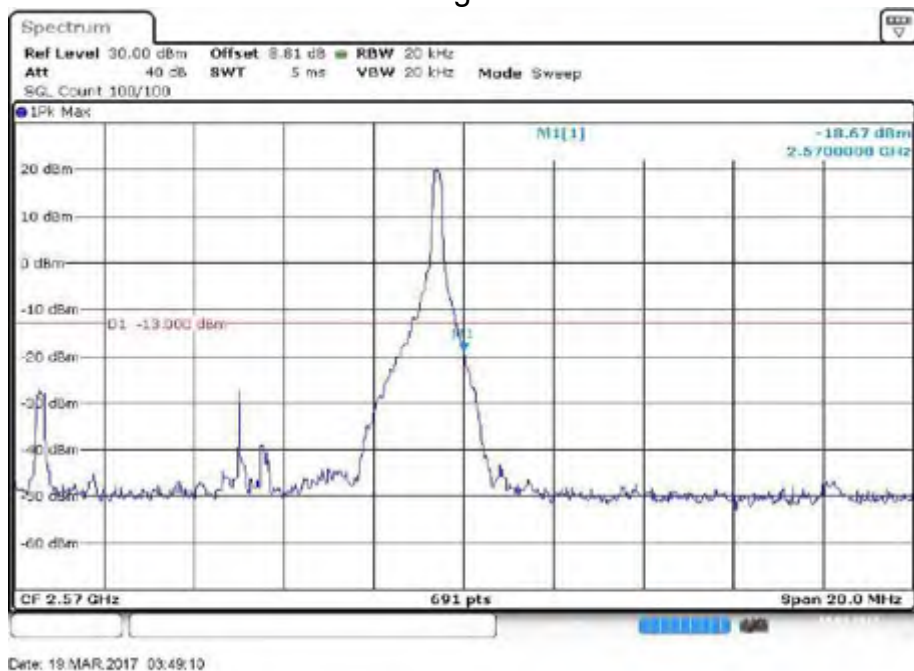


Fig.2

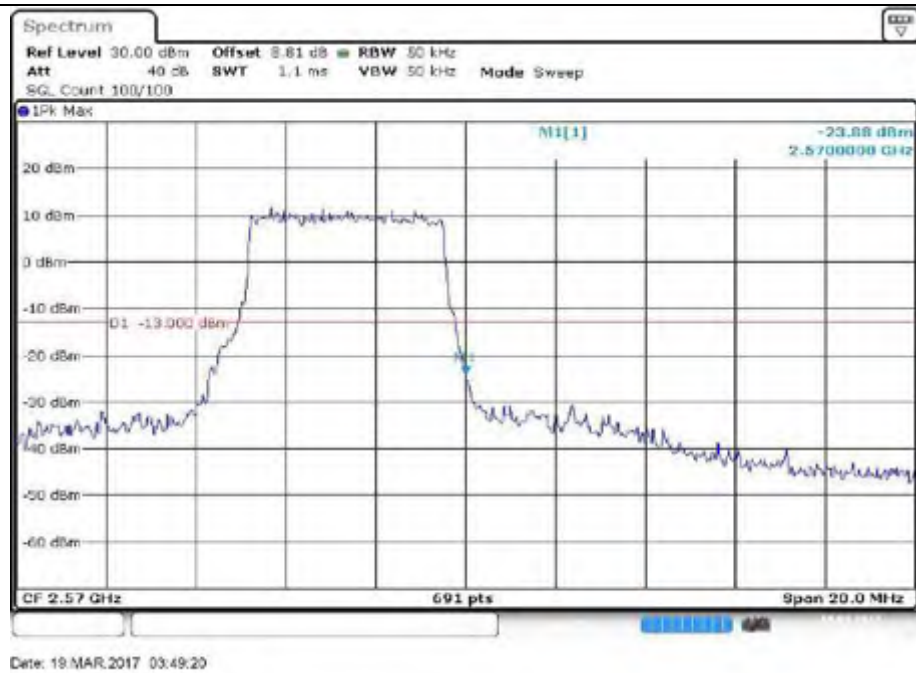


Fig.3

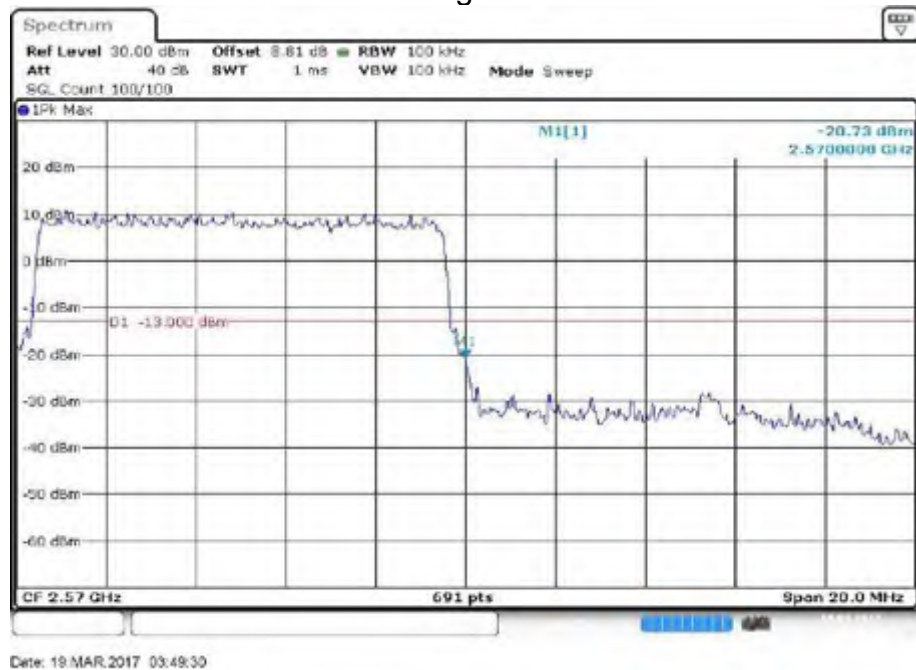


Fig.4

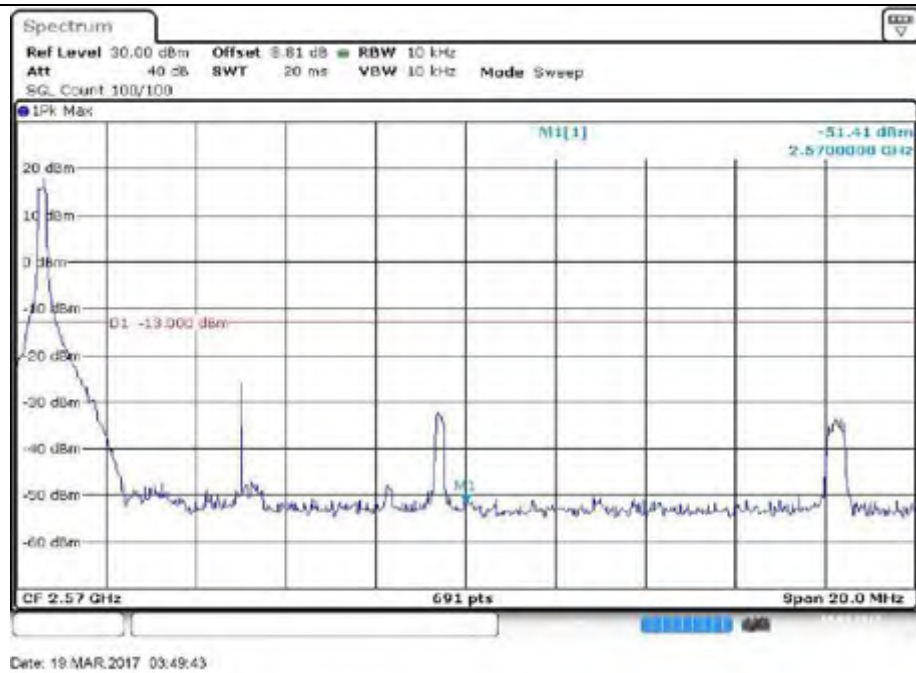


Fig.5

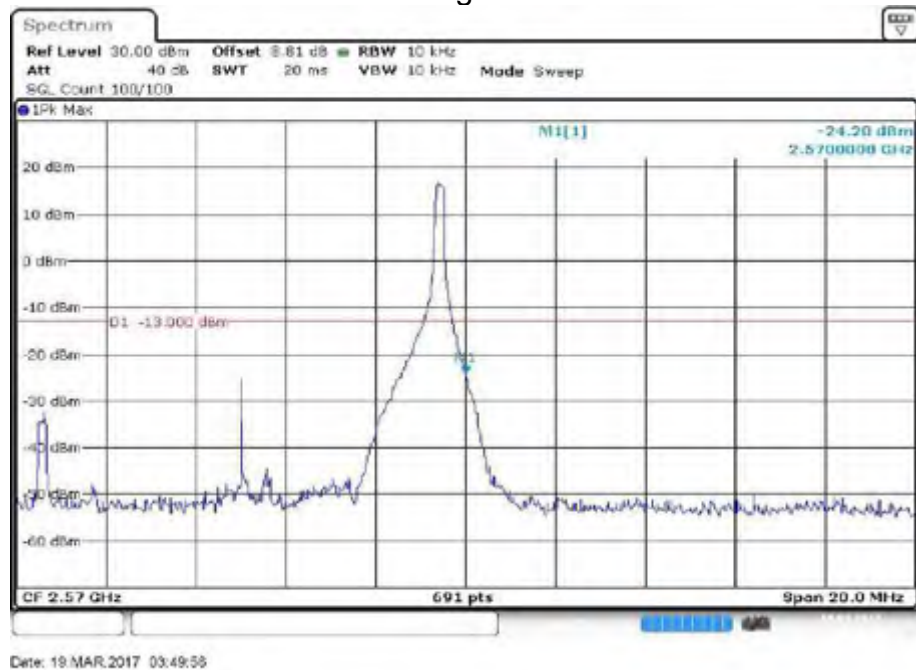


Fig.6

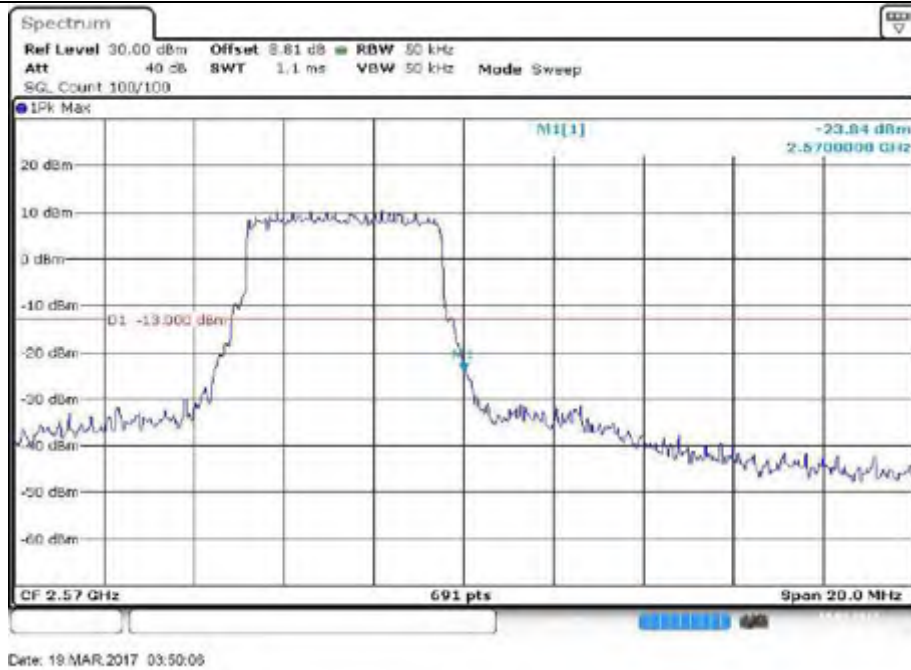


Fig.7

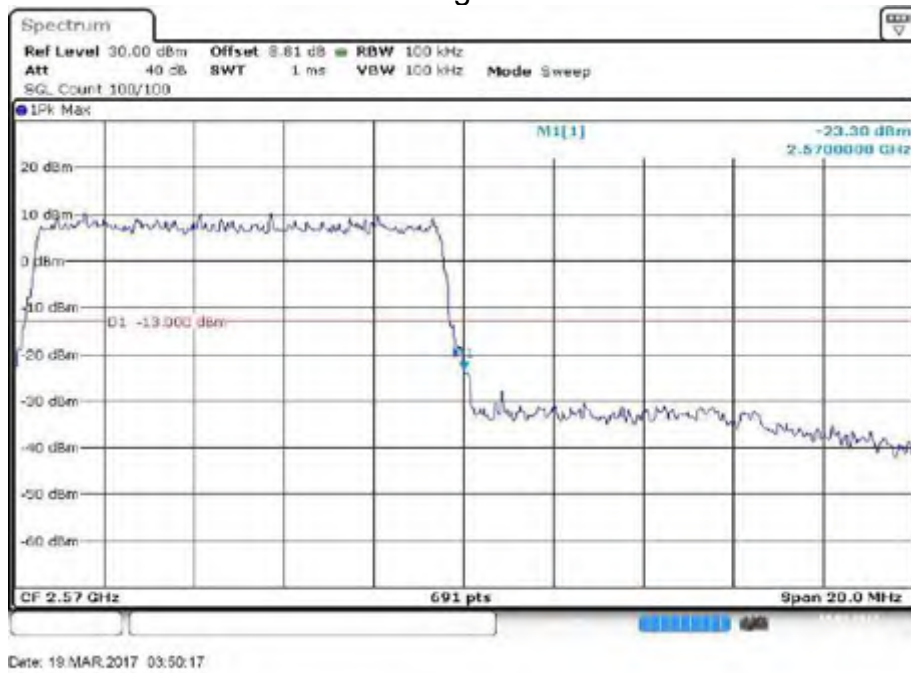


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2507.5	25175	15	1	0	Fig.1	Fig.5
				1	74	Fig.2	Fig.6
				38	18	Fig.3	Fig.7
				75	0	Fig.4	Fig.8

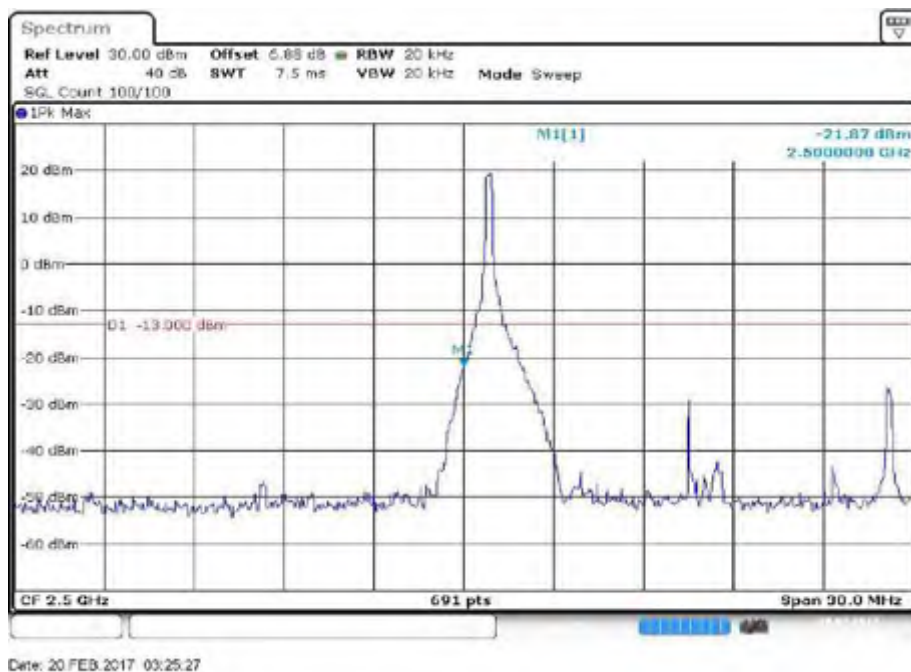


Fig.1

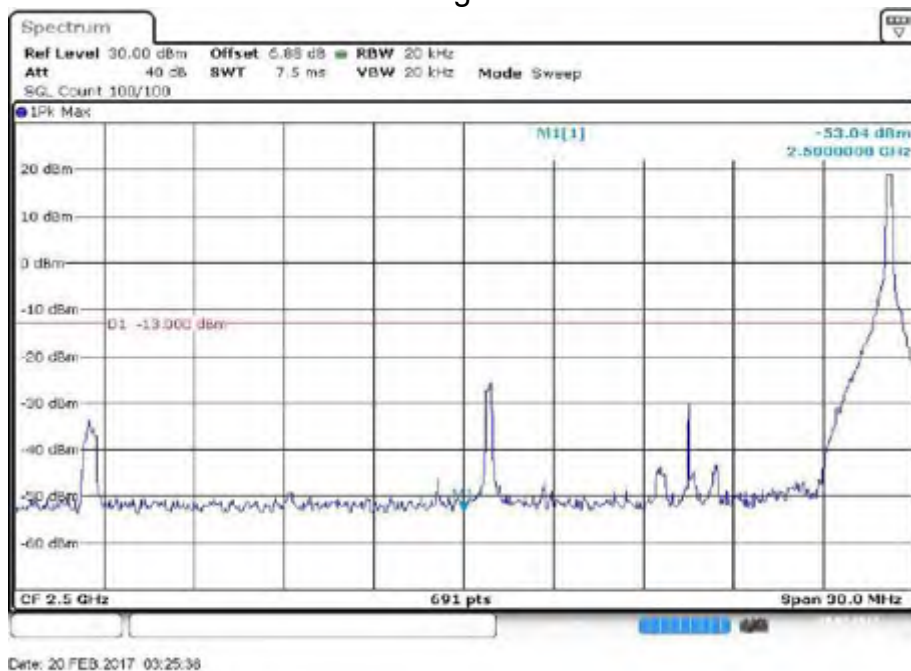


Fig.2

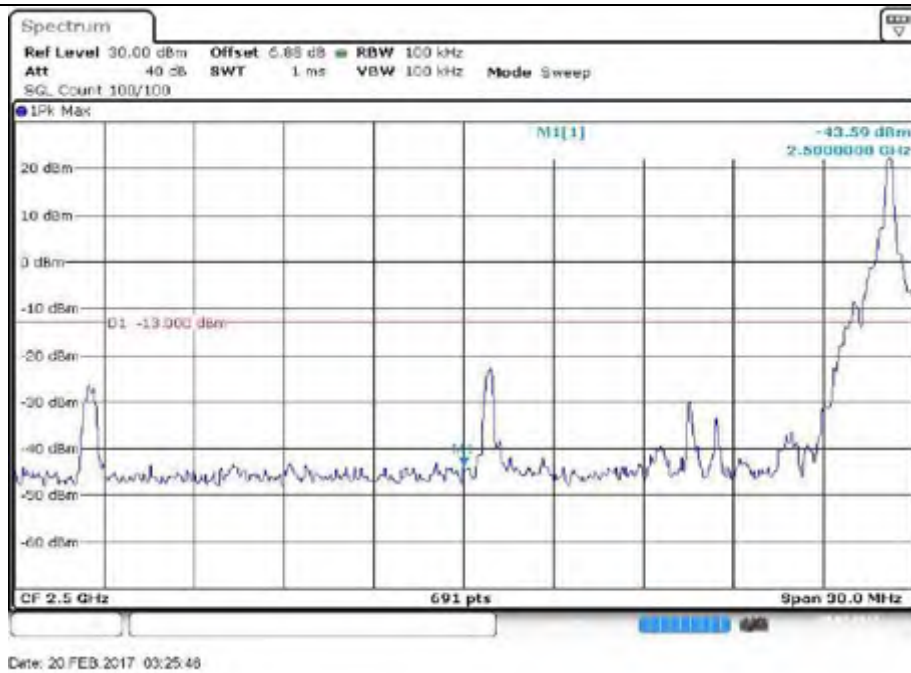


Fig.3

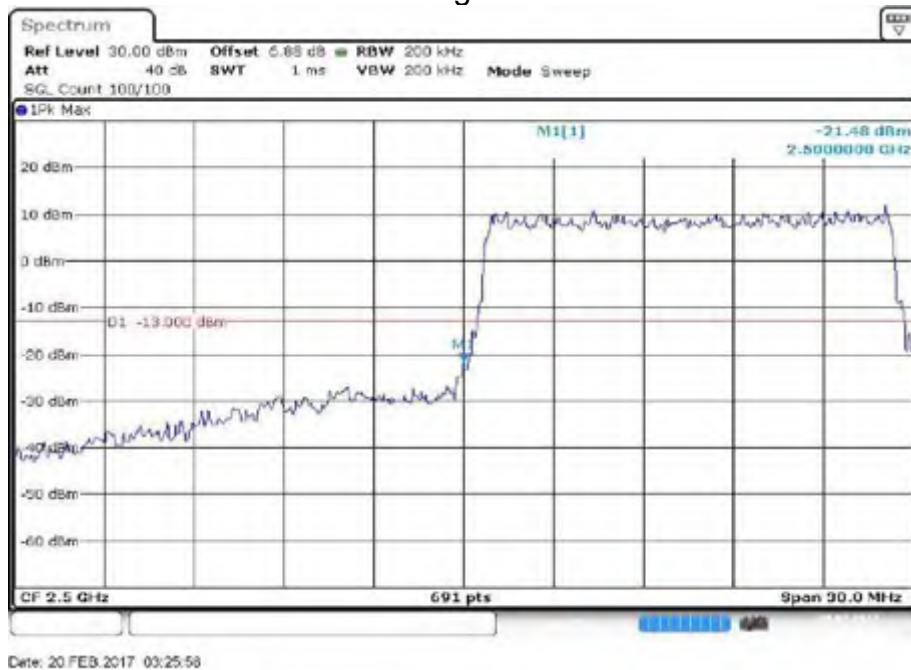


Fig.4

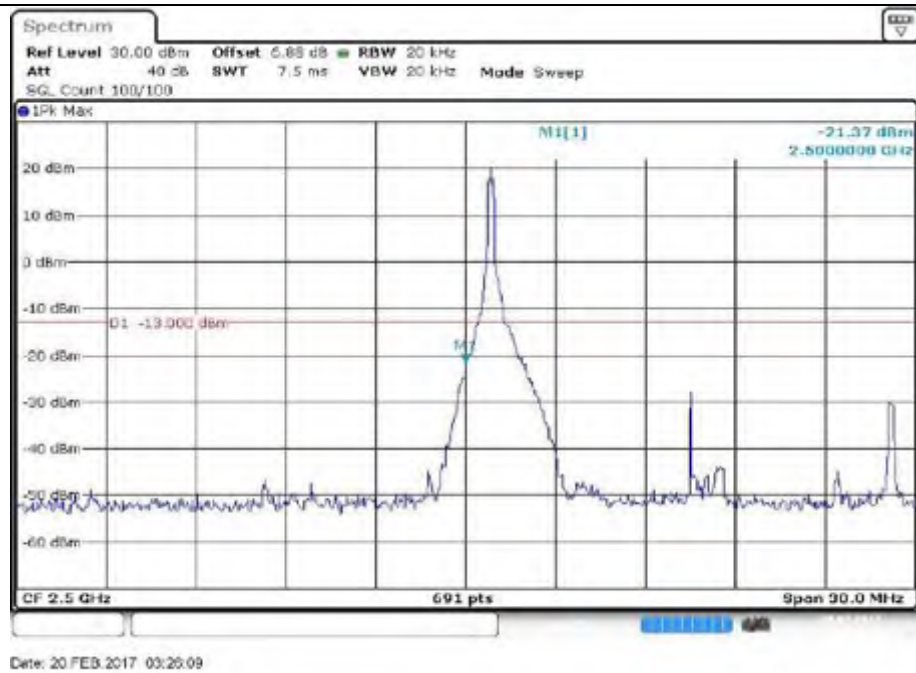


Fig.5

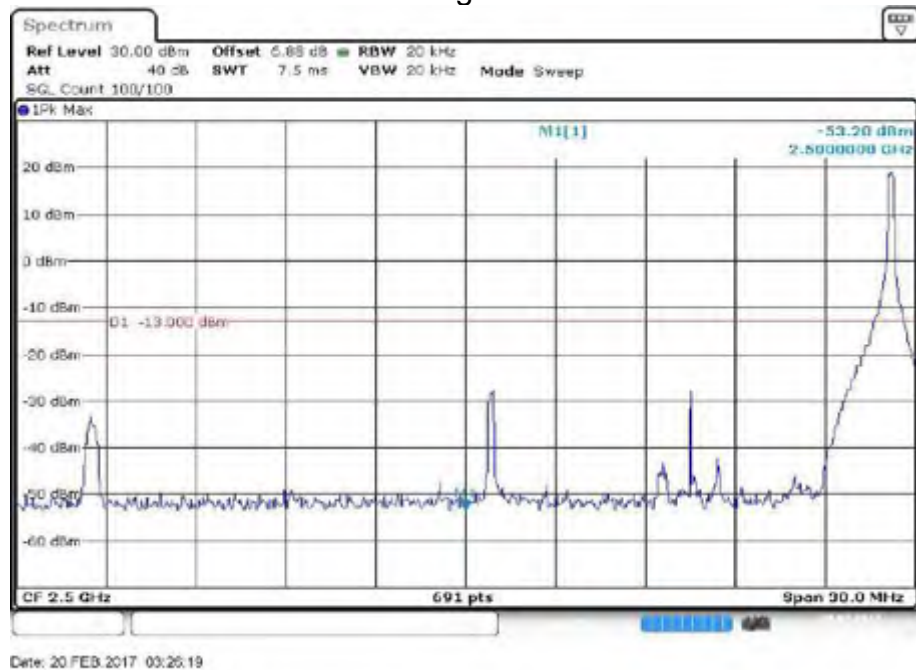


Fig.6

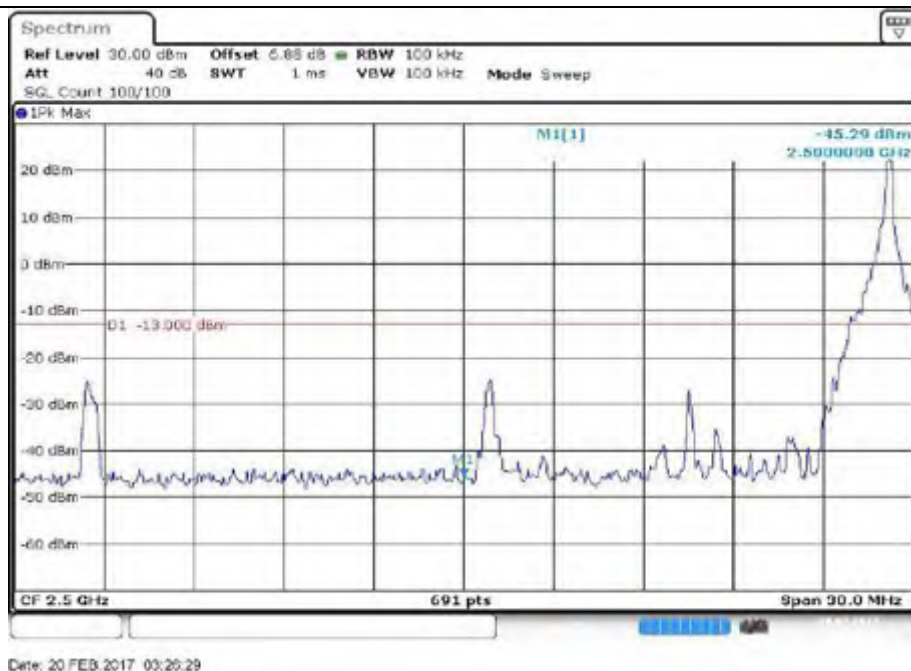


Fig.7

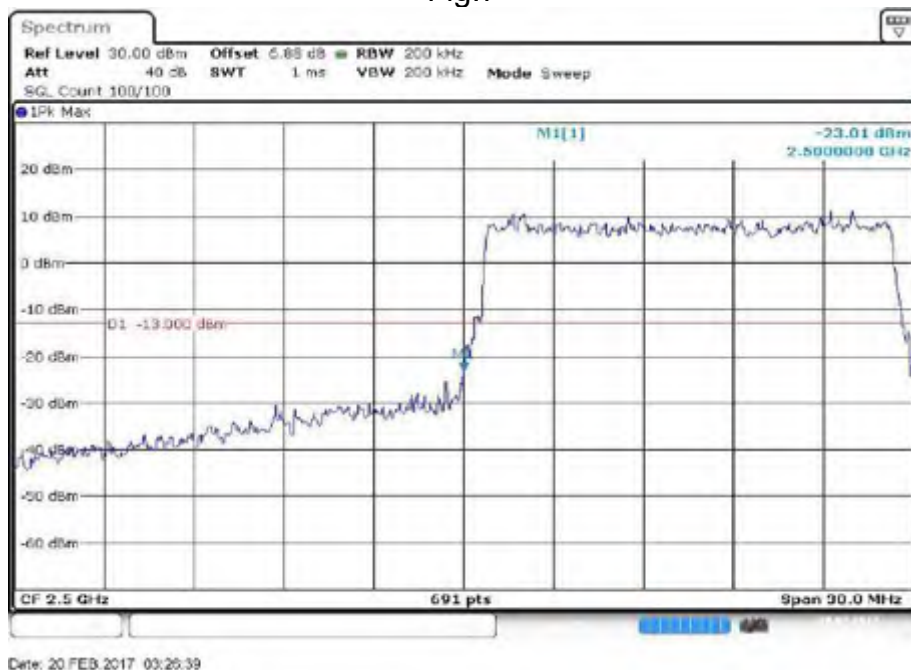


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2562.5	25725	15	1	0	Fig.1	Fig.5
				1	74	Fig.2	Fig.6
				38	18	Fig.3	Fig.7
				75	0	Fig.4	Fig.8

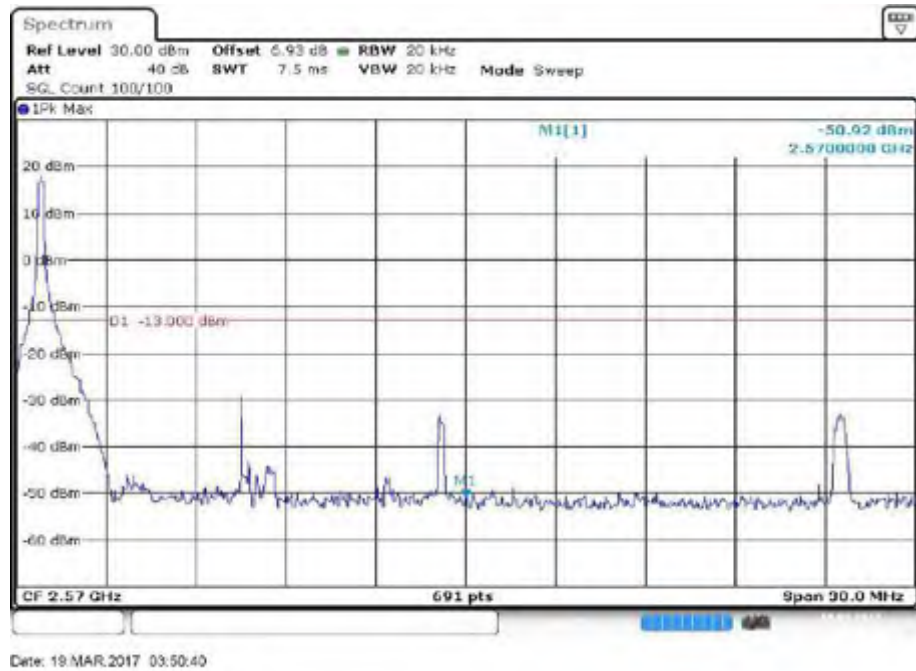


Fig.1

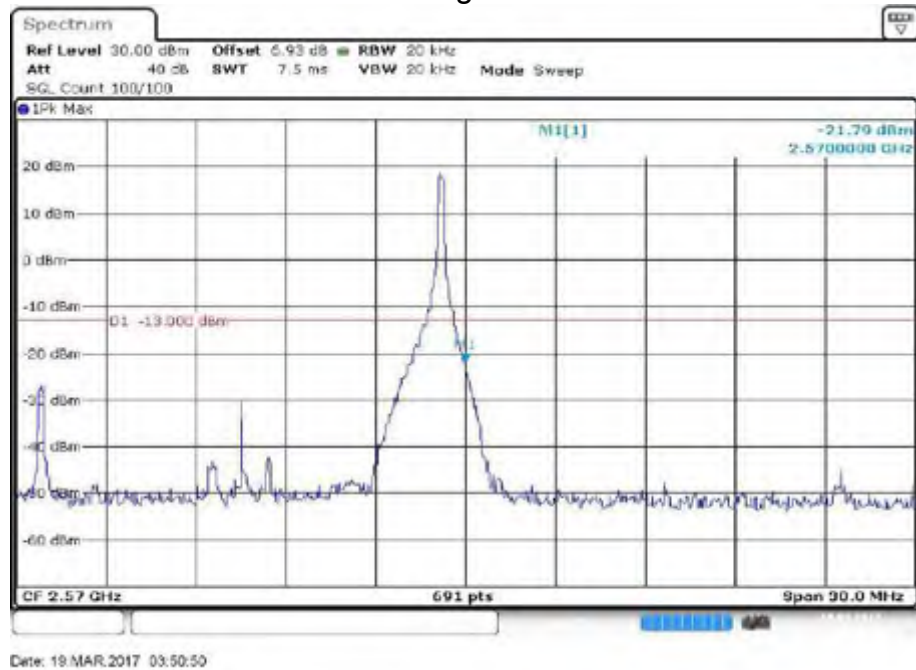


Fig.2

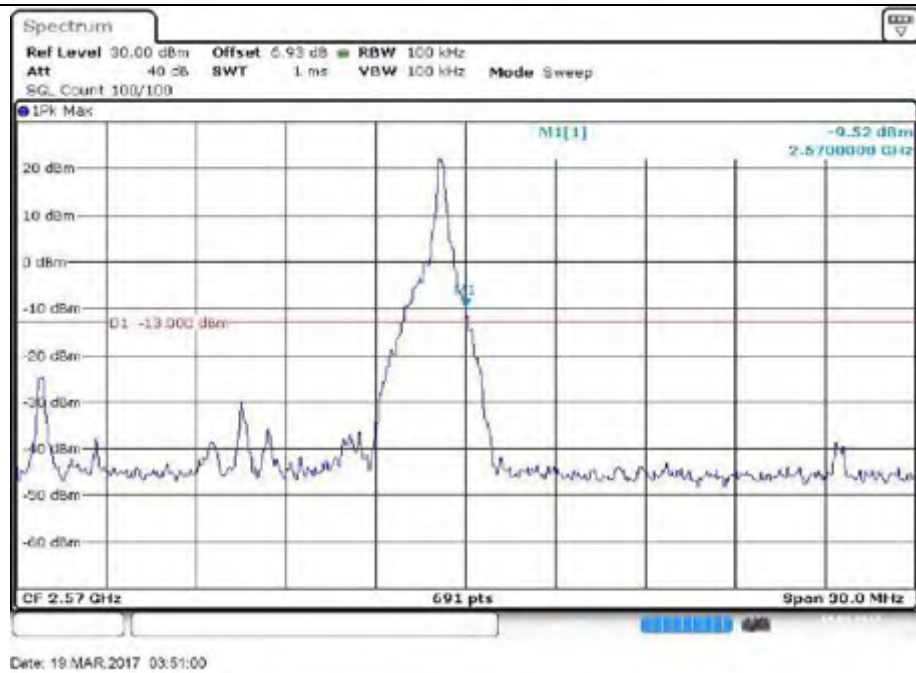


Fig.3

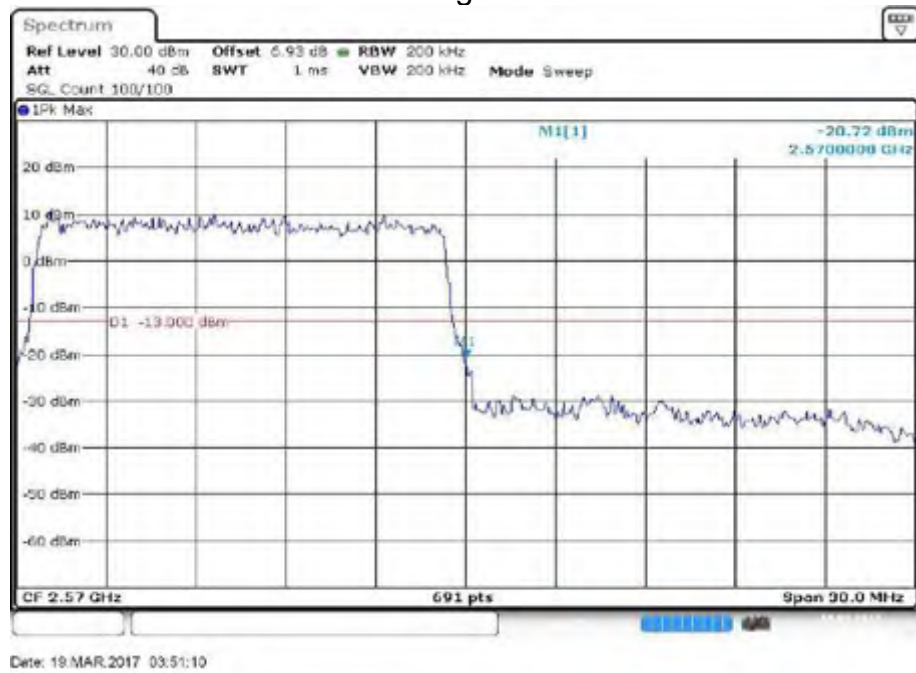


Fig.4

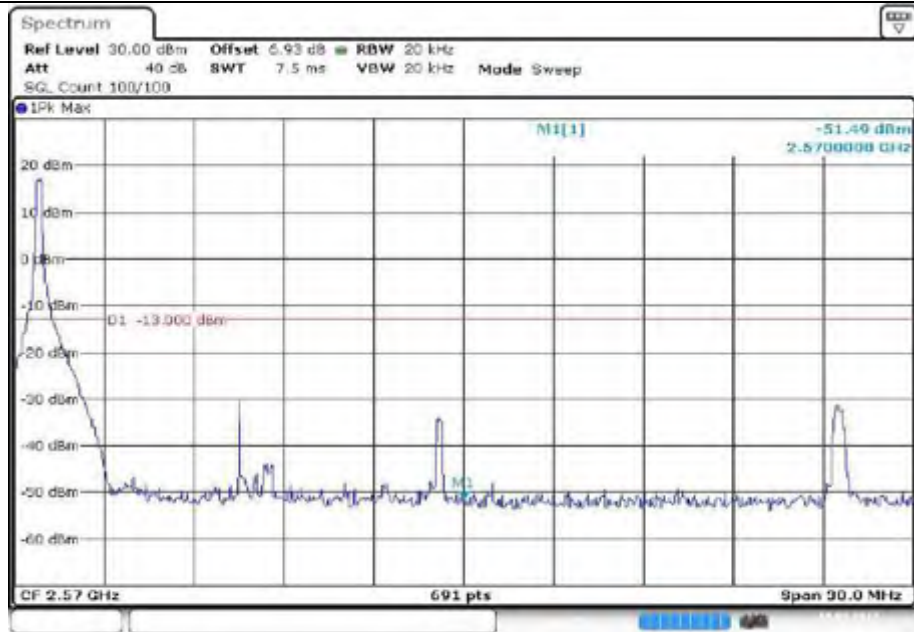


Fig.5

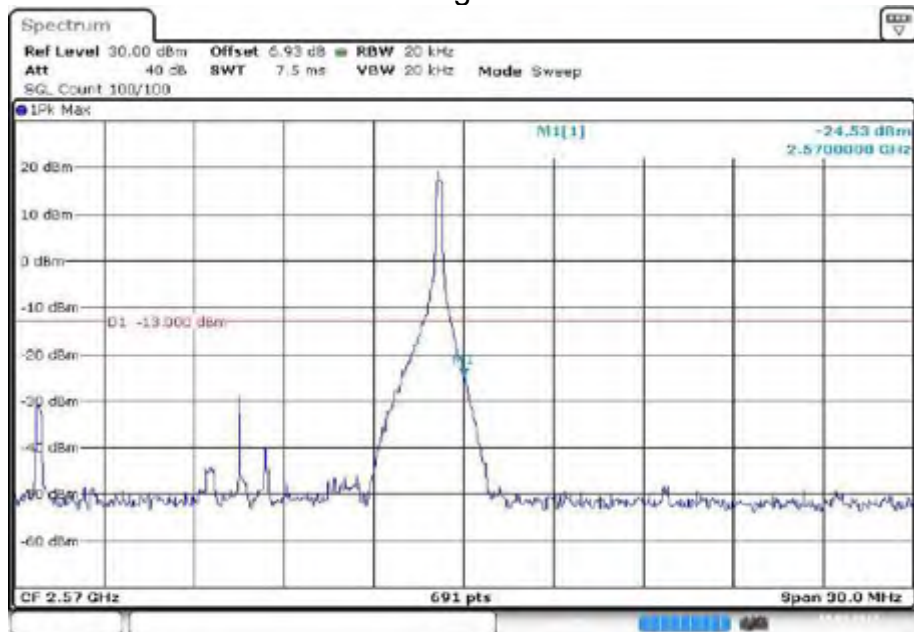


Fig.6

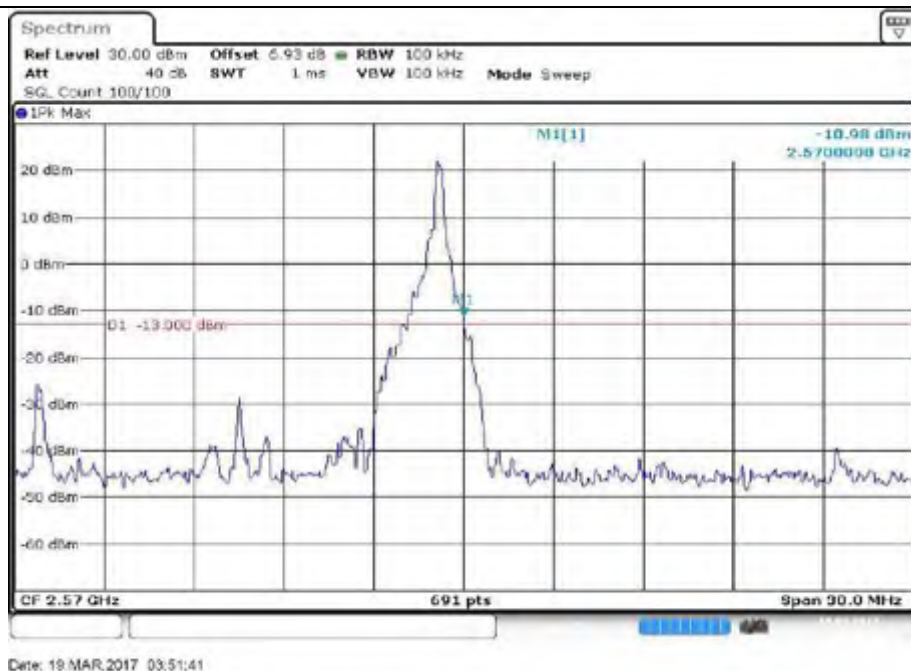


Fig.7

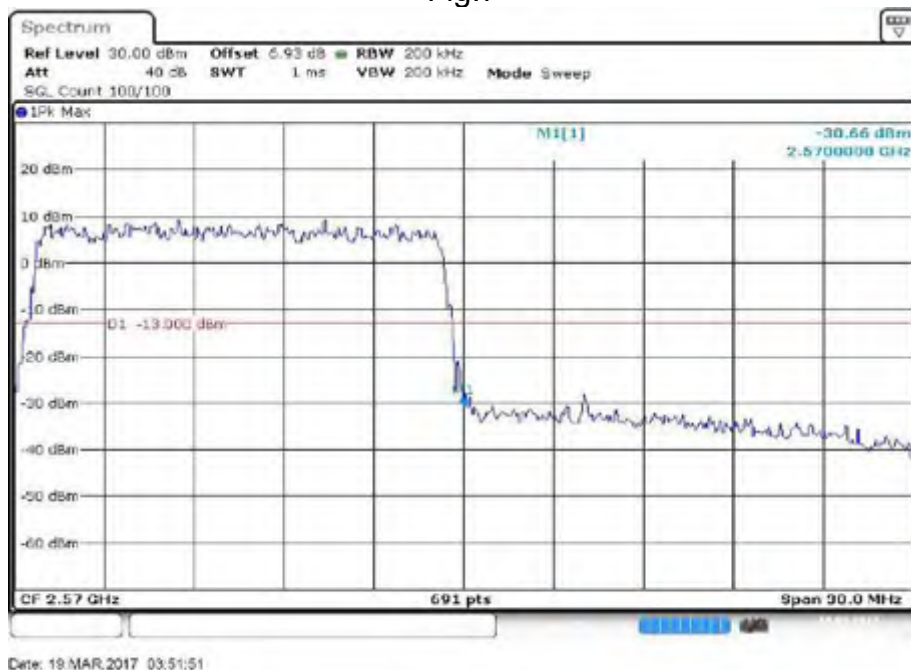


Fig.8

Band	Carrier frequency (MHz)	Channel (Low)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2510	25200	20	1	0	Fig.1	Fig.5
				1	99	Fig.2	Fig.6
				50	25	Fig.3	Fig.7
				100	0	Fig.4	Fig.8

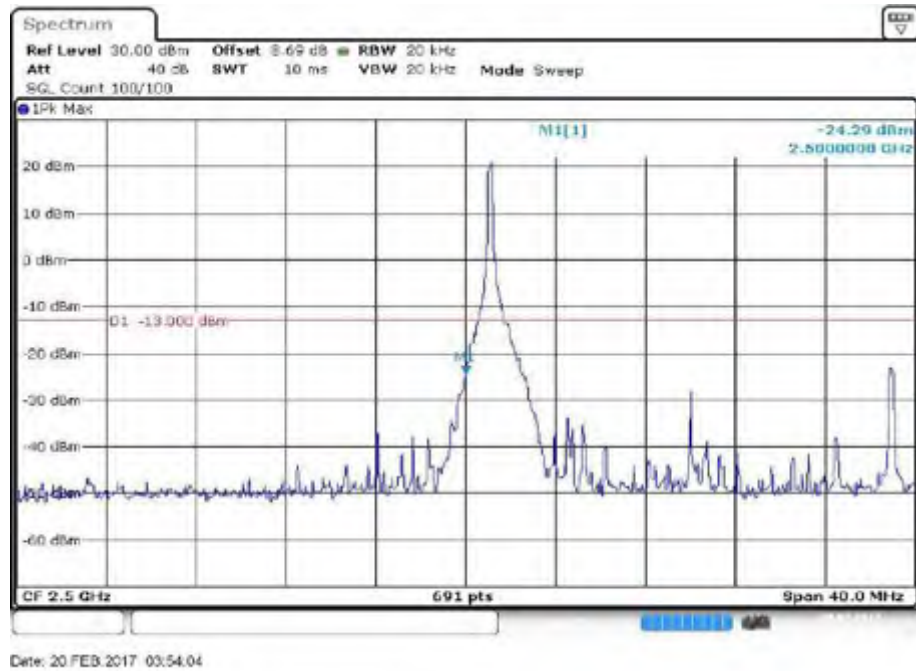


Fig.1

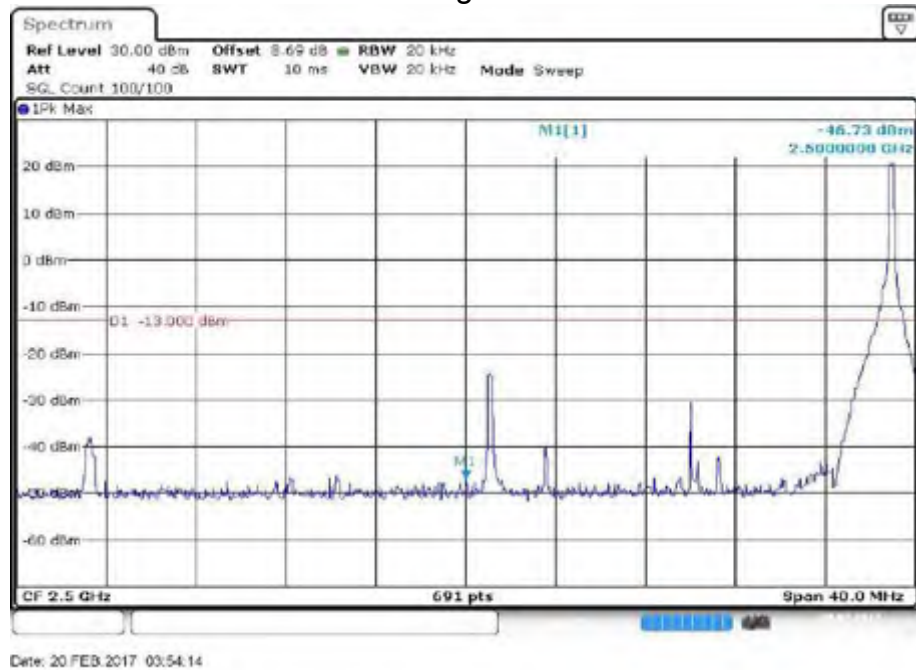


Fig.2

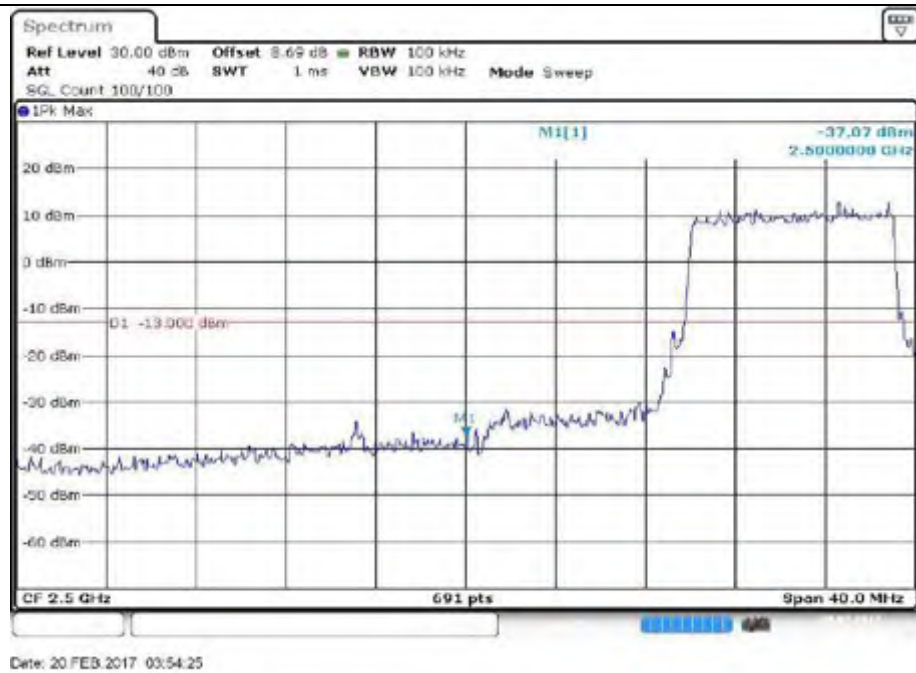


Fig.3

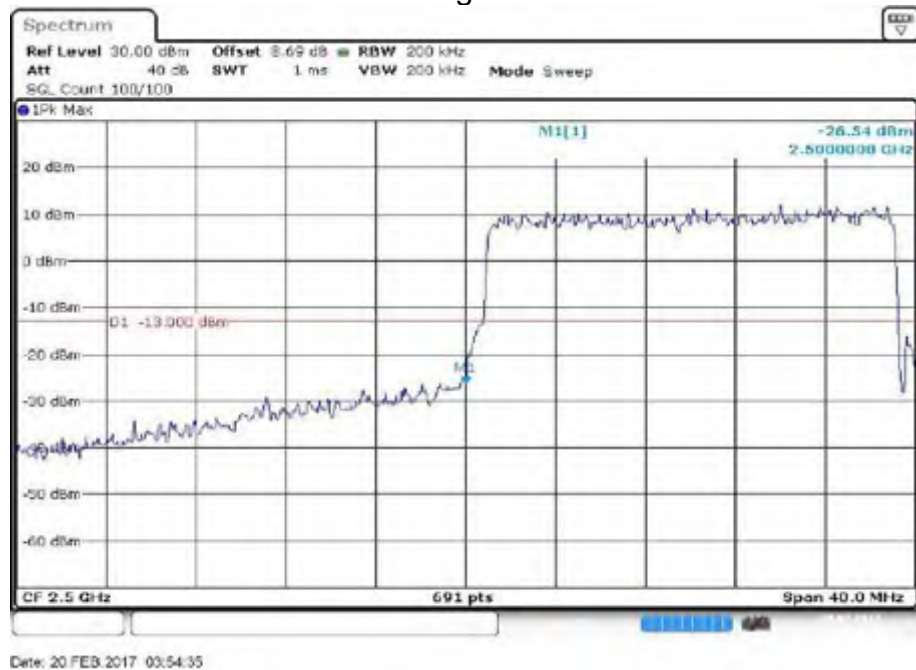
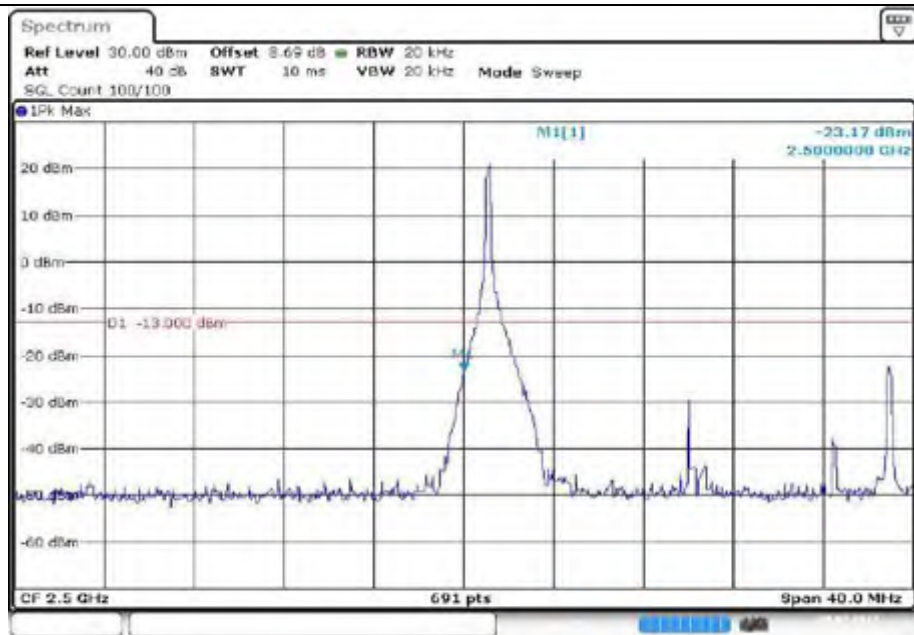
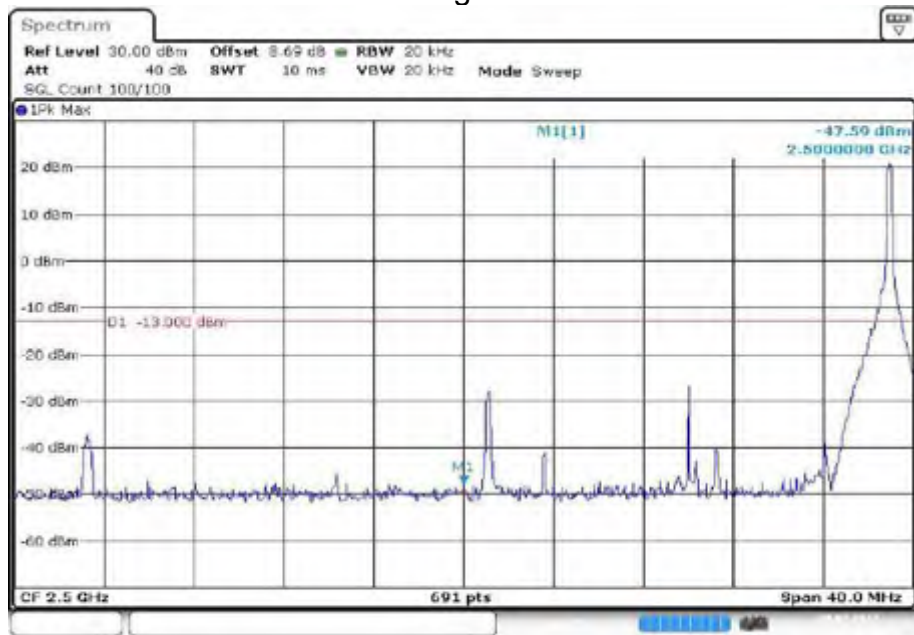


Fig.4



Date: 20 FEB 2017 03:54:45

Fig.5



Date: 20 FEB 2017 03:54:56

Fig.6

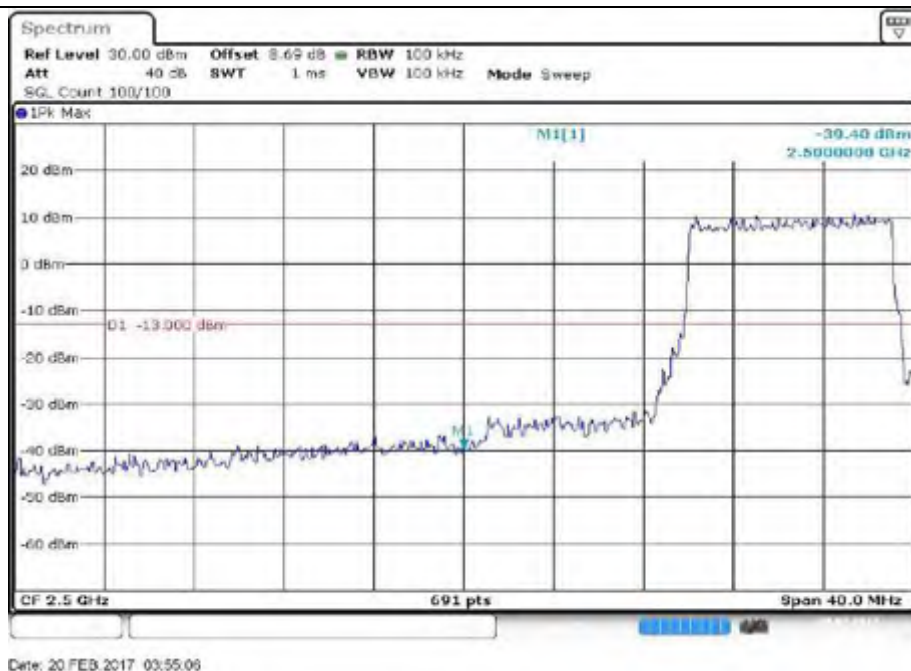


Fig.7

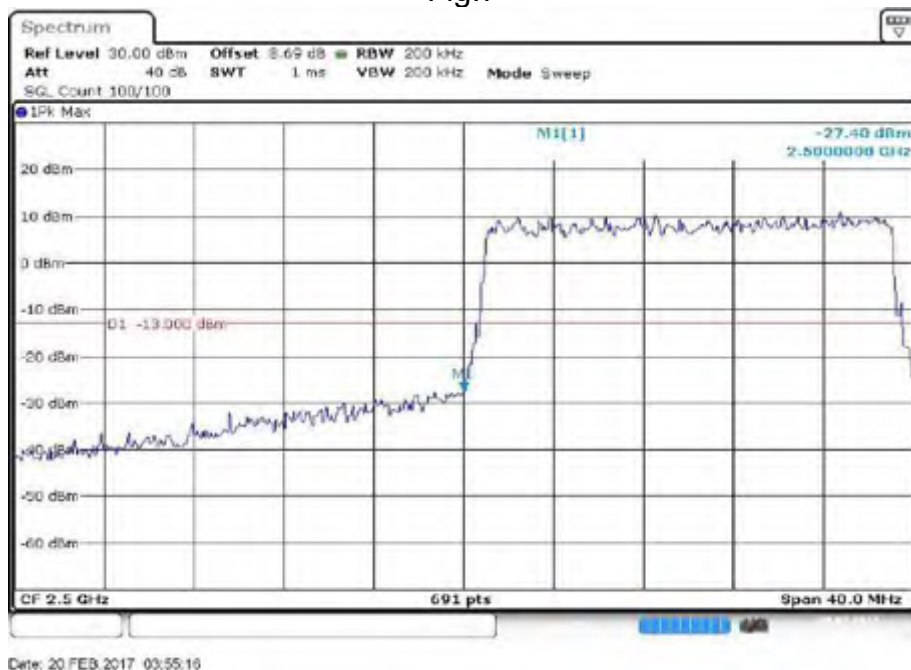


Fig.8

Band	Carrier frequency (MHz)	Channel (High)	BW	RB Size	RB Offset	Band EdgesPlot	
						QPSK	16-QAM
7	2560	25700	20	1	0	Fig.1	Fig.5
				1	99	Fig.2	Fig.6
				50	25	Fig.3	Fig.7
				100	0	Fig.4	Fig.8

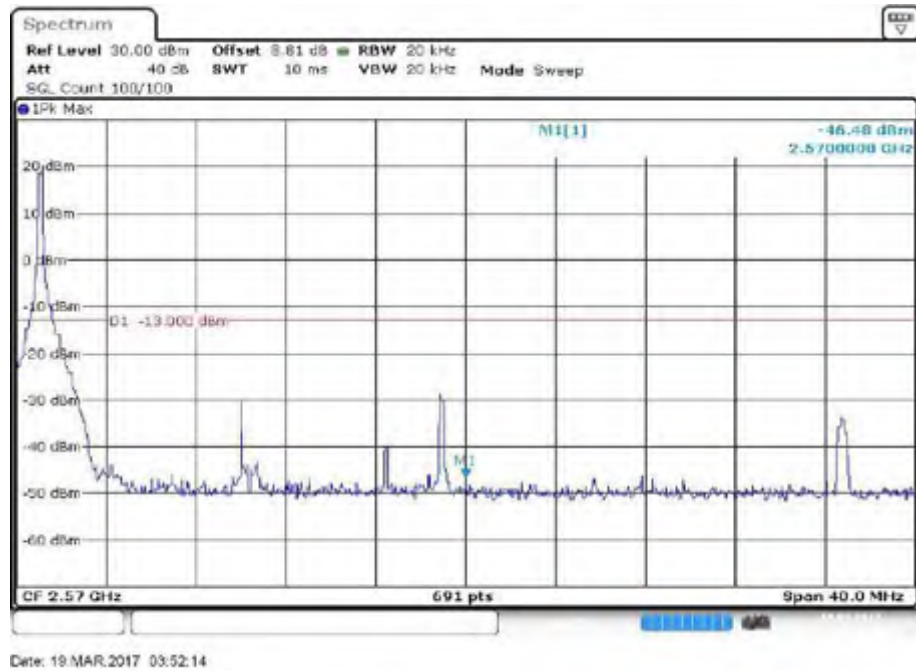


Fig.1

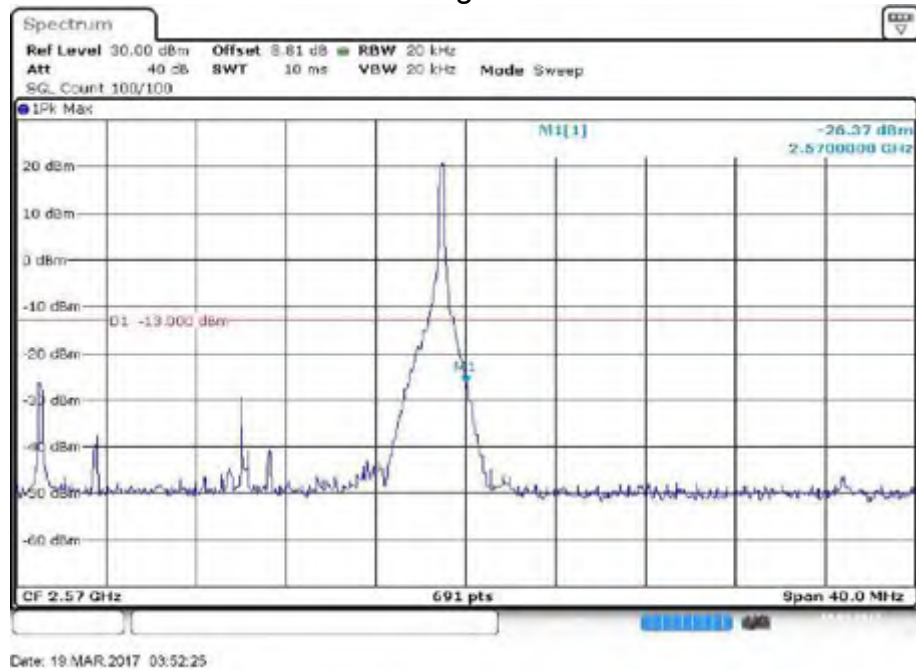


Fig.2

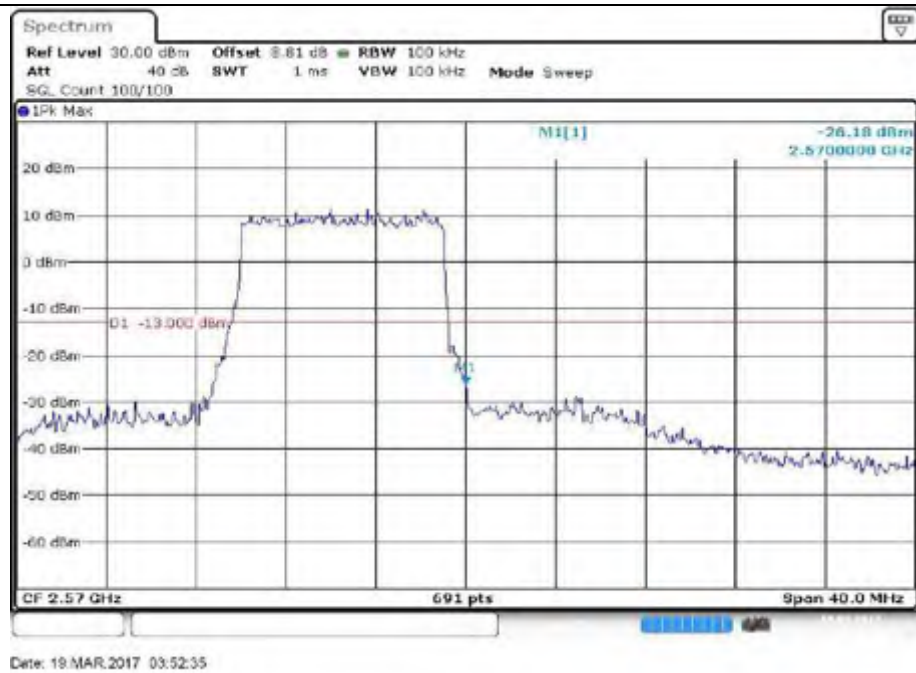


Fig.3

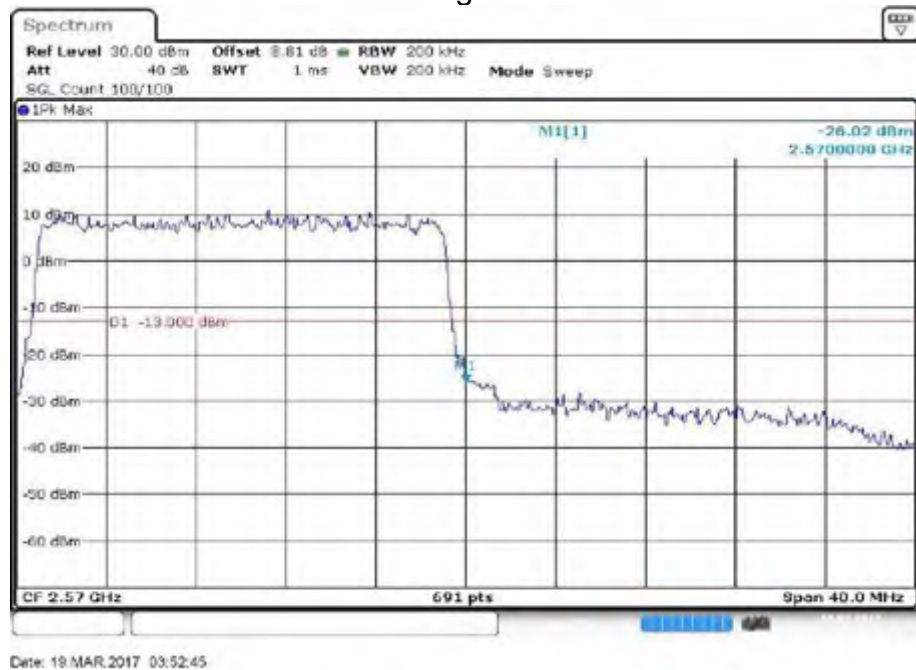


Fig.4

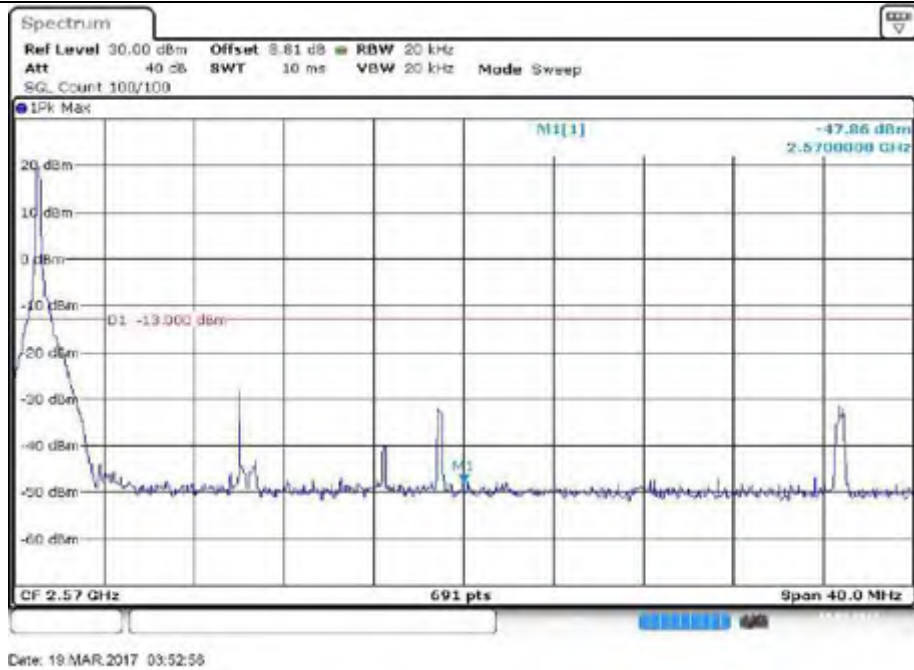


Fig.5

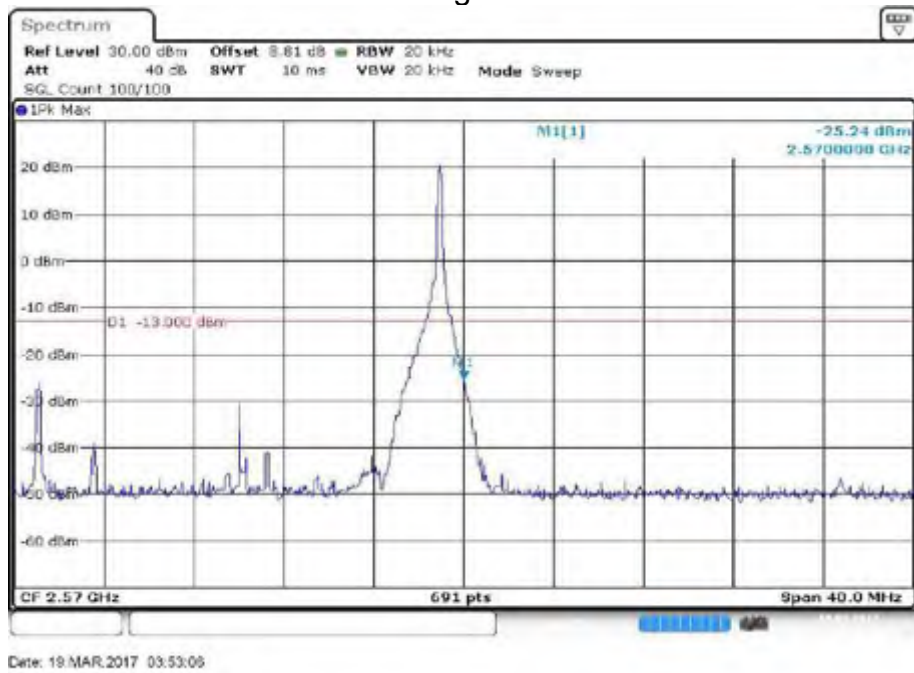


Fig.6

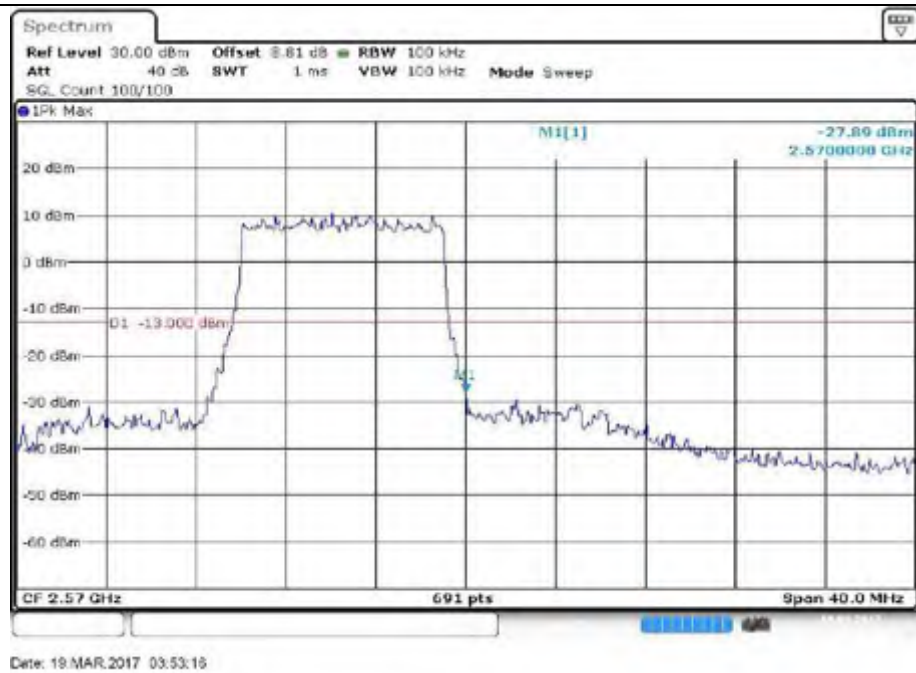


Fig.7

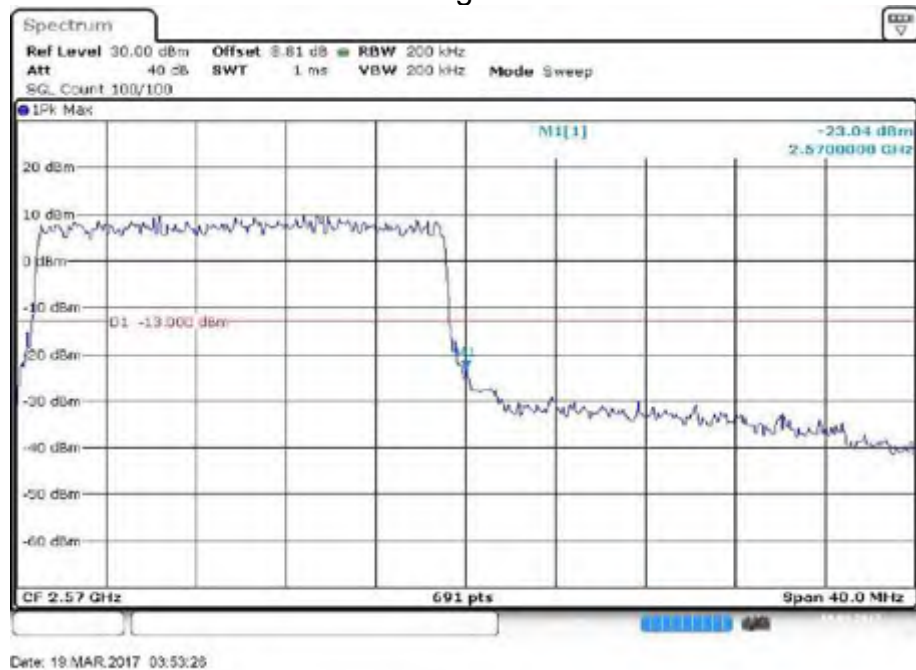


Fig.8

7 Frequency Stability-FCC Part 2.1055/27.54

Test result:

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
2	1.4	-30	-0.006	LV	-0.004
		-20	-0.004		
		-10	-0.003		
		0	-0.002		
		10	-0.002		
		20	-0.001	HV	-0.004
		30	-0.001		
		40	-0.001		
		50	-0.001		
	3	-30	-0.004	LV	-0.002
		-20	-0.001		
		-10	0.001		
		0	-0.001		
		10	0.001		
		20	0.003	HV	-0.001
		30	0.004		
		40	0.001		
		50	-0.002		
	5	-30	0.000	LV	-0.002
		-20	-0.002		
		-10	0.001		
		0	0.001		
		10	0.001		
		20	0.000	HV	0.002
		30	-0.001		
		40	0.000		
		50	0.000		
	10	-30	-0.001	LV	0.001
		-20	0.001		
		-10	0.000		
		0	0.001		
		10	-0.002		

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

Band	BW	Test Result (ppm)@NV		Test Result (ppm)@NT	
		Temperature(°C)		Voltage	
4	1.4	-30	-0.002	LV	0.002
		-20	-0.001		
		-10	0.000		
		0	0.001		
		10	0.002	HV	0.002
		20	0.001		
		30	0.001		
		40	0.001		
	3	50	0.000	LV	0.003
		-30	-0.002		
		-20	0.001		
		-10	0.001		

		0	0.002	HV	0.002
		10	-0.001		
		20	0.002		
		30	0.002		
		40	-0.001		
		50	0.003		
	5	-30	-0.001	LV	0.002
		-20	0.001		
		-10	-0.001		
		0	0.001		
		10	0.000		
		20	0.000	HV	0.000
		30	0.001		
		40	0.001		
		50	-0.002		
	10	-30	0.003	LV	0.001
		-20	0.000		
		-10	0.000		
		0	0.003		
		10	-0.001		
		20	0.001	HV	-0.001
		30	0.001		
		40	0.000		
		50	-0.001		
	15	-30	0.000	LV	0.001
		-20	0.001		
		-10	-0.002		
		0	0.002		
		10	0.000		
		20	-0.002	HV	0.000
		30	0.000		
		40	0.001		
		50	-0.001		
	20	-30	-0.001	LV	-0.001
		-20	0.000		
		-10	0.002		
		0	0.001		
		10	-0.001		

		20	0.002	HV	0.000
		30	0.001		
		40	0.000		
		50	0.002		

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

		0	0.001	HV	0.001
		10	0.001		
		20	0.003		
		30	0.001		
		40	0.001		
		50	0.000		

---End of Test Report---

APPENDIX B – TEST DATA OF RADIATED EMISSION

Effective Radiated Power-FCC Part 27.50(d)(4)

LTE band 2

BW 1.4MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1850.7	20.82	-4.8	8.6	17.02	Vertical
1880.0	21.13	-4.8	8.6	17.33	Vertical
1909.3	21.05	-4.8	8.6	17.25	Vertical

BW 3MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1851.5	20.48	-4.8	8.6	16.68	Vertical
1880.0	20.86	-4.8	8.6	17.06	Vertical
1908.5	20.61	-4.8	8.6	16.81	Vertical

BW 5MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1852.5	20.24	-4.8	8.6	16.44	Vertical
1880.0	20.15	-4.8	8.6	16.35	Vertical
1907.5	20.25	-4.8	8.6	16.45	Vertical

BW 10MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1855	20.28	-4.8	8.6	16.48	Vertical
1880.0	20.37	-4.8	8.6	16.57	Vertical
1905	20.32	-4.8	8.6	16.52	Vertical

BW 15MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1857.5	20.27	-4.8	8.6	16.47	Vertical
1880.0	20.00	-4.8	8.6	16.20	Vertical
1902.5	20.07	-4.8	8.6	16.27	Vertical

BW 20MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1860	20.62	-4.8	8.6	16.82	Vertical
1880.0	20.09	-4.8	8.6	16.29	Vertical
1900	19.96	-4.8	8.6	16.16	Vertical

LTE band 4

BW 1.4MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1710.7	20.82	-5	8.6	17.22	Vertical
1732.5	20.88	-5	8.6	17.28	Vertical
1754.3	20.75	-5	8.6	17.15	Vertical

BW 3MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1711.5	20.35	-5	8.6	17.03	Vertical
1732.5	20.17	-5	8.6	17.52	Vertical
1758.5	20.20	-5	8.6	17.68	Vertical

BW 5MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1712.5	19.91	-5	8.6	16.31	Vertical
1732.5	20.08	-5	8.6	16.48	Vertical
1752.5	20.13	-5	8.6	16.53	Vertical

BW 10MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1715	20.02	-5	8.6	16.42	Vertical
1732.5	20.42	-5	8.6	16.82	Vertical
1750	20.54	-5	8.6	16.94	Vertical

BW 15MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1717.5	20.55	-5	8.6	16.95	Vertical
1732.5	20.49	-5	8.6	16.89	Vertical
1752.5	20.32	-5	8.6	16.72	Vertical

BW 20MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1720	19.76	-5	8.6	16.16	Vertical
1732.5	19.93	-5	8.6	16.33	Vertical
1745	20.30	-5	8.6	16.70	Vertical

LTE band 7

BW 5MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2502.5	20.36	-5.8	8	18.16	Vertical
2535	20.36	-5.8	8	18.16	Vertical
2567.5	20.29	-5.8	8.2	17.89	Vertical

BW 10MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2505	20.48	-5.8	8	18.28	Vertical
2535	19.81	-5.8	8	17.61	Vertical
2565	19.61	-5.8	8.2	17.21	Vertical

BW 15MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2507.5	20.14	-5.8	8	17.94	Vertical
2535	19.55	-5.8	8	17.35	Vertical
2562.5	19.71	-5.8	8.2	17.31	Vertical

BW 20MHz Test result:

Frequency (MHz)	Peak EIRP(dBm)	Pca Cable loss	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
2510	19.66	-5.8	8	17.46	Vertical
2535	19.87	-5.8	8	17.67	Vertical
2560	19.58	-5.8	8.2	17.18	Vertical

Radiated Spurious Emissions-FCC Part 2.1053/27.53(h), 27.53(g)

LTE band 2

Test result:

Channel 18615

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2452.96	-52.65	-13	Vertical
2781.16	-51.42	-13	Vertical
3727.16	-44.08	-13	Vertical
6676.77	-43.59	-13	Horizontal
9962.99	-40.22	-13	Vertical
17823.62	-35.72	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.55	-53.01	-13	Vertical
2781.16	-51.60	-13	Vertical
3730.96	-43.57	-13	Horizontal
6676.52	-43.23	-13	Vertical
9961.53	-39.45	-13	Vertical
17823.29	-36.19	-13	Vertical

Channel 19175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2455.61	-52.73	-13	Vertical
2779.61	-51.92	-13	Vertical
3728.77	-43.89	-13	Vertical
6676.19	-43.20	-13	Vertical
9965.12	-40.31	-13	Vertical
17822.32	-35.94	-13	Vertical

LTE band 4
Test result:
Channel 19957

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.97	-52.61	-13	Vertical
2780.56	-52.16	-13	Vertical
3728.42	-43.44	-13	Vertical
6679.89	-43.65	-13	Horizontal
9964.55	-39.48	-13	Vertical
17822.09	-36.08	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.72	-52.98	-13	Vertical
2779.52	-52.20	-13	Vertical
3729.45	-43.98	-13	Horizontal
6678.15	-43.32	-13	Vertical
9964.28	-40.14	-13	Vertical
17822.62	-36.05	-13	Vertical

Channel 20393

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.20	-53.18	-13	Vertical
2781.26	-52.03	-13	Vertical
3730.36	-43.43	-13	Vertical
6676.80	-43.01	-13	Vertical
9963.90	-39.85	-13	Vertical
17822.91	-35.43	-13	Vertical

LTE band 7
Test result:
Channel 20775

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2454.73	-52.51	-13	Vertical
2781.66	-52.04	-13	Vertical
3729.76	-43.72	-13	Vertical
6677.94	-43.32	-13	Horizontal
9964.49	-39.48	-13	Vertical
17823.05	-36.16	-13	Vertical

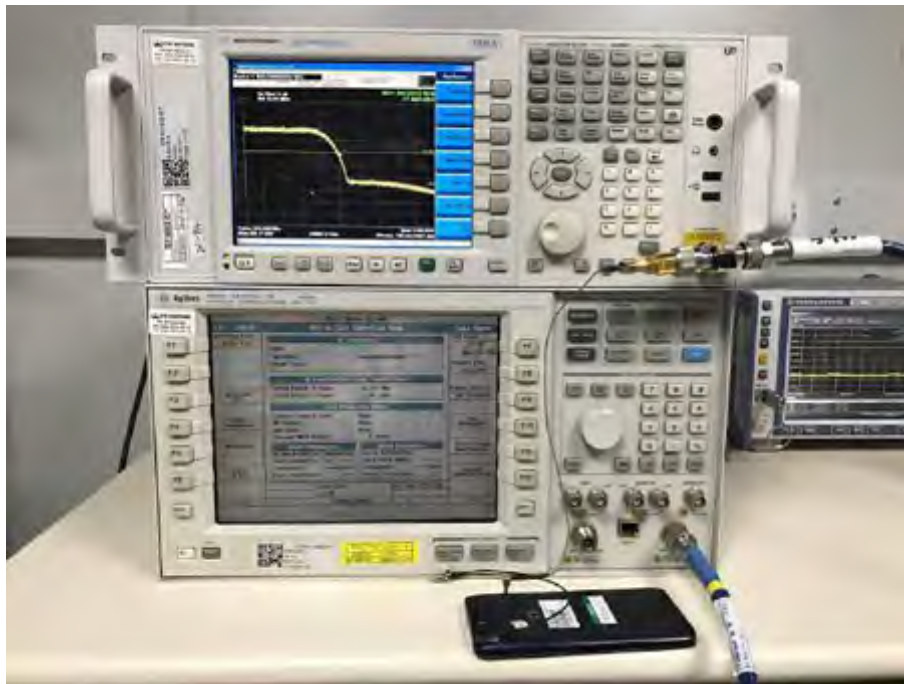
Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.29	-52.45	-13	Vertical
2779.89	-52.04	-13	Vertical
3730.32	-44.09	-13	Horizontal
6679.22	-43.59	-13	Vertical
9962.09	-40.27	-13	Vertical
17822.94	-35.72	-13	Vertical

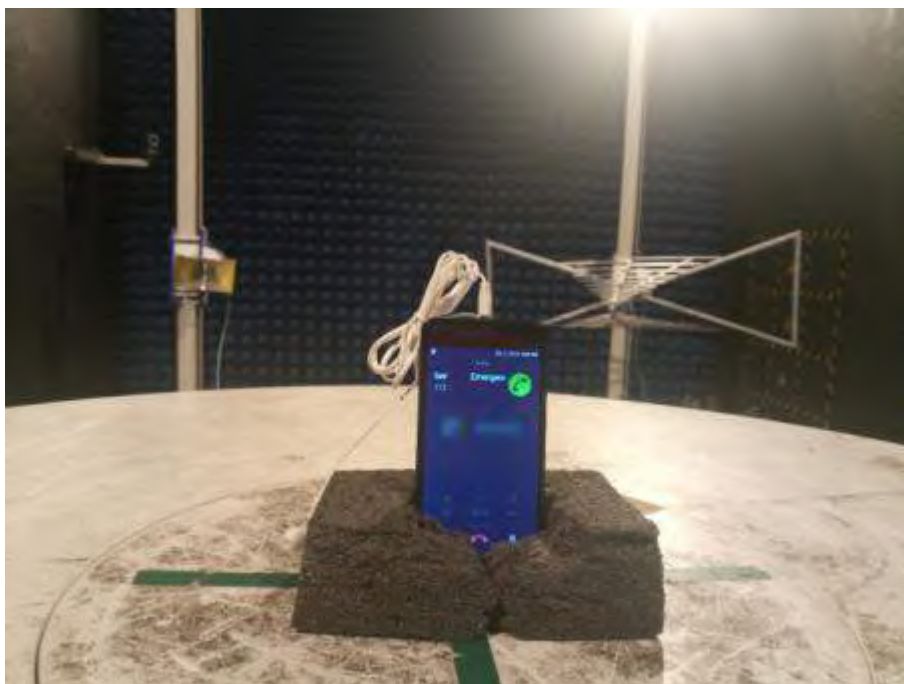
Channel 21350

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2456.21	-52.32	-13	Vertical
2780.00	-51.73	-13	Vertical
3729.74	-44.28	-13	Vertical
6679.44	-43.18	-13	Vertical
9964.73	-39.40	-13	Vertical
17822.17	-35.38	-13	Vertical

APPENDIX C –TEST SETUP



Spurious RF Conducted Emissions Test setup



Radiated Spurious Emissions Test setup