

Fig.27

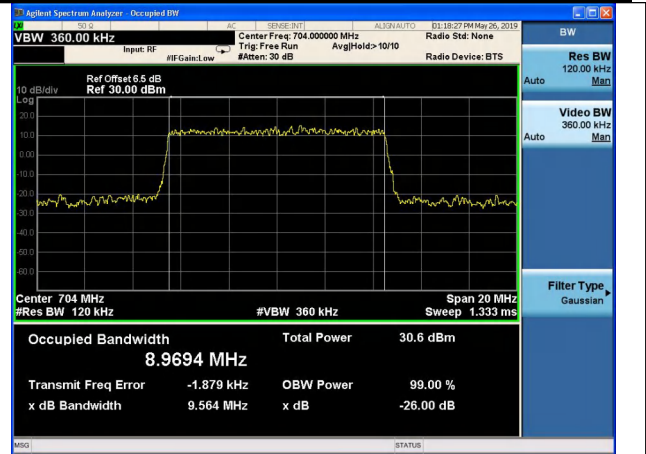


Fig.28

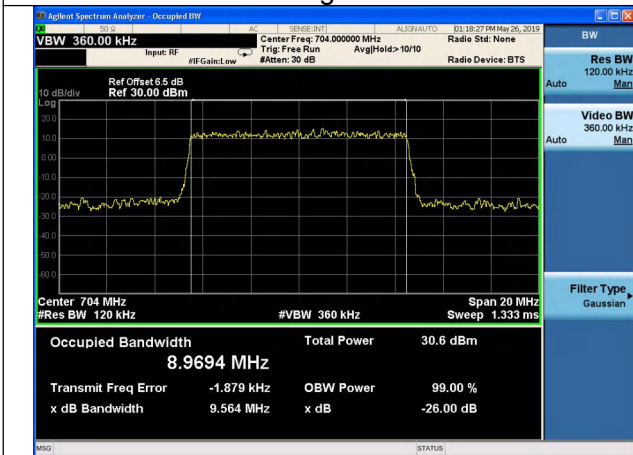


Fig.29

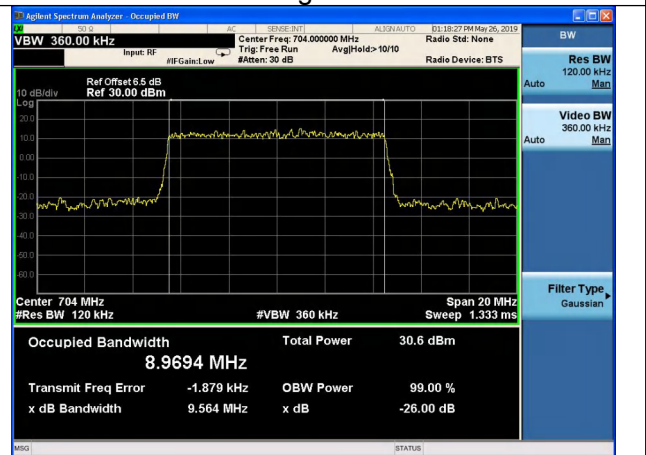


Fig.30

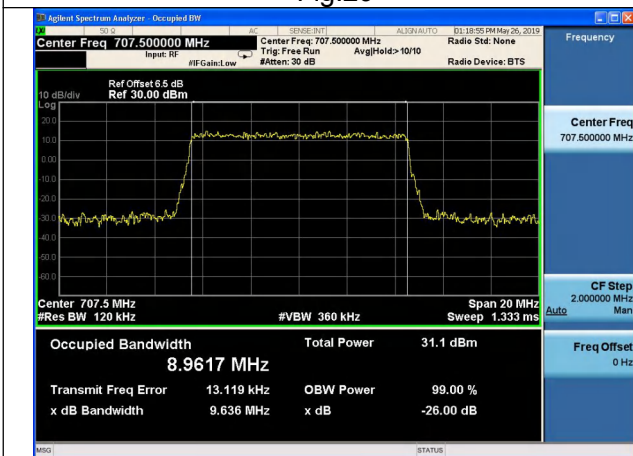


Fig.31

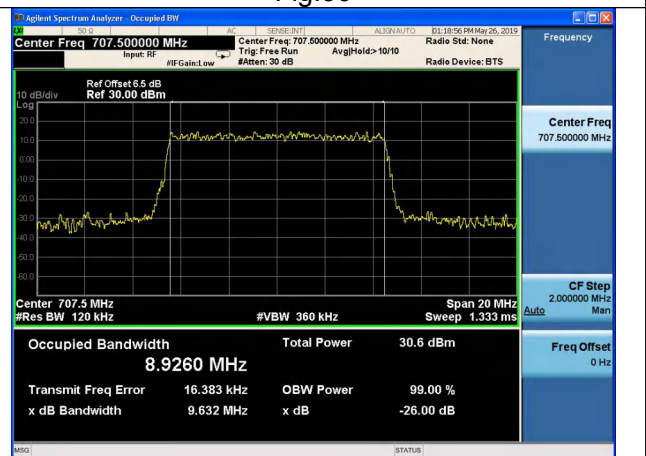


Fig.32

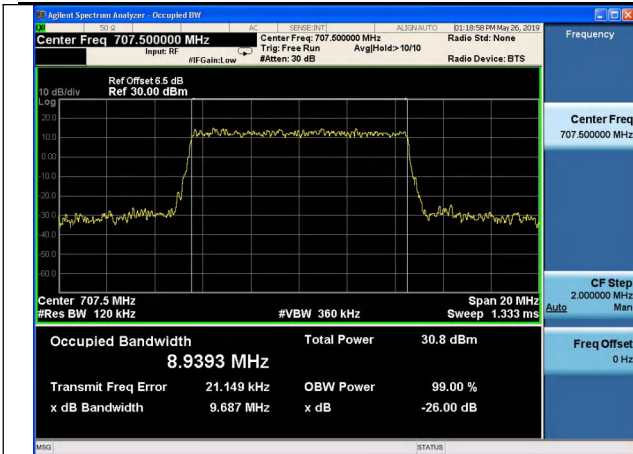


Fig.33

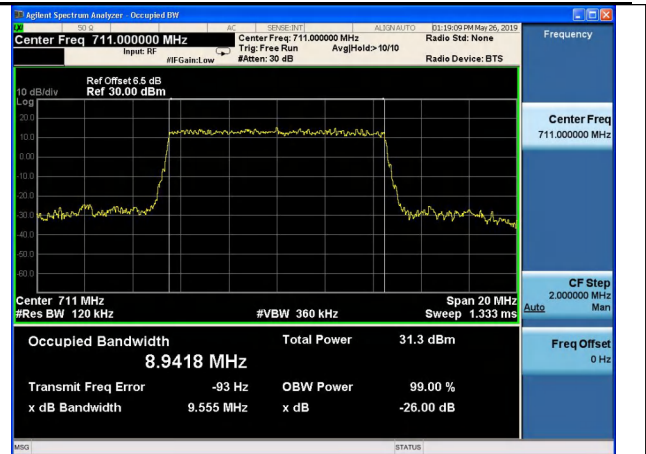


Fig.34

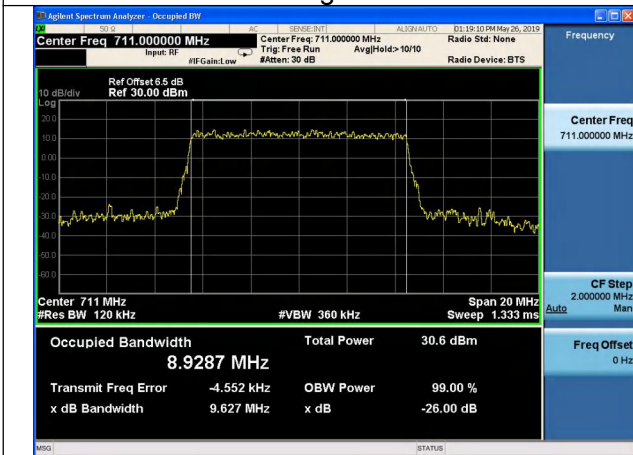


Fig.35

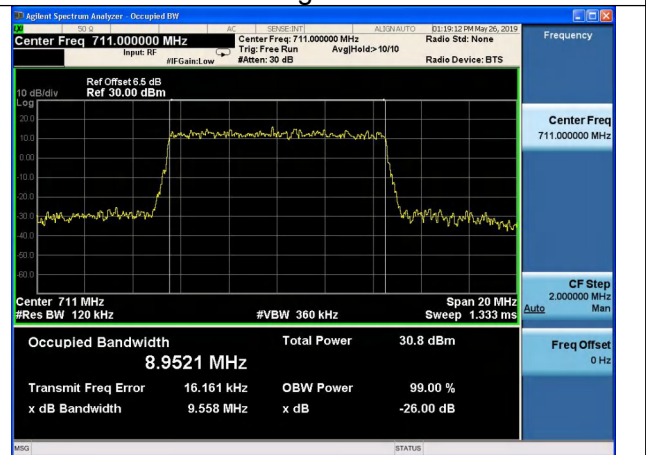


Fig.36

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
12	707.5	23095	1.4	1	0	Fig.1	Fig.2	Fig.3
			3	1	0	Fig.4	Fig.5	Fig.6
			5	1	0	Fig.7	Fig.8	Fig.9
			10	1	0	Fig.10	Fig.11	Fig.12

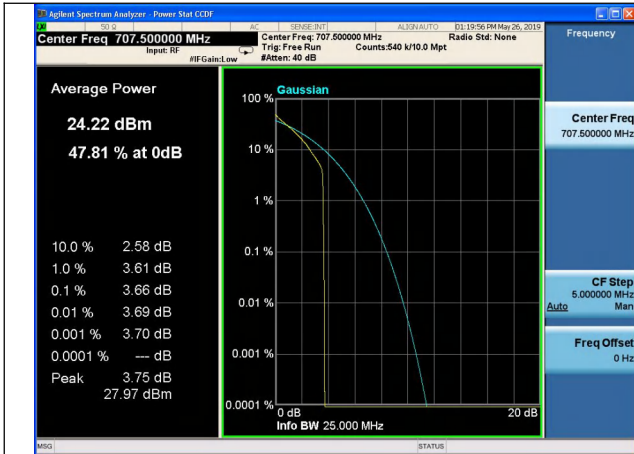


Fig.1

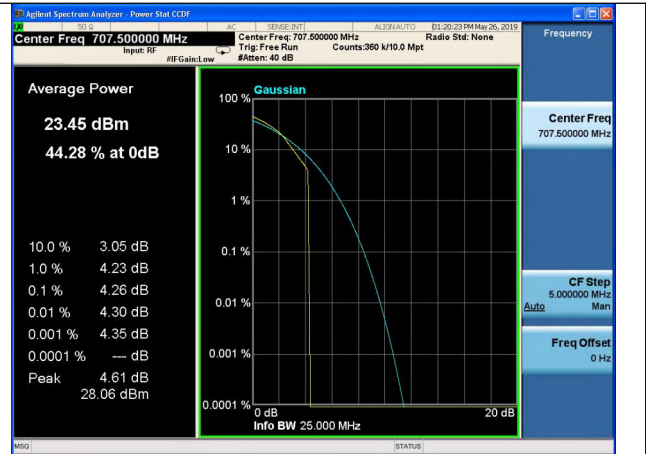


Fig.2

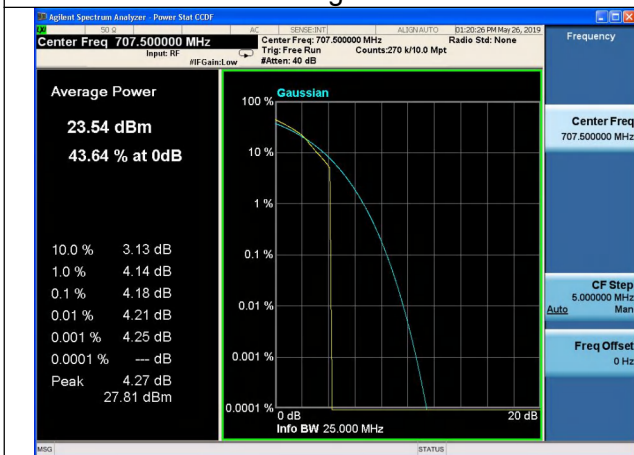


Fig.3

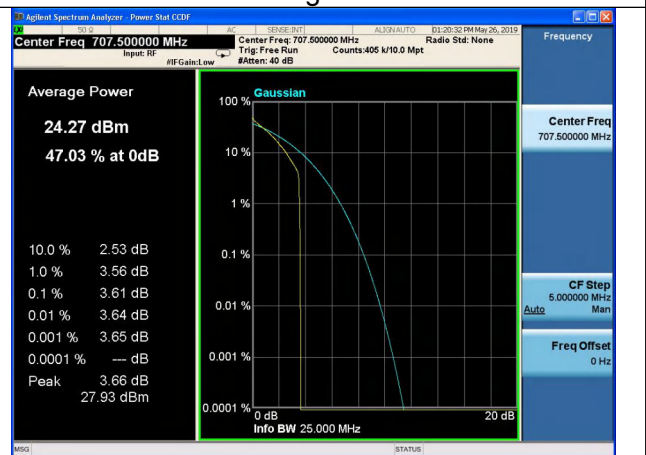


Fig.4

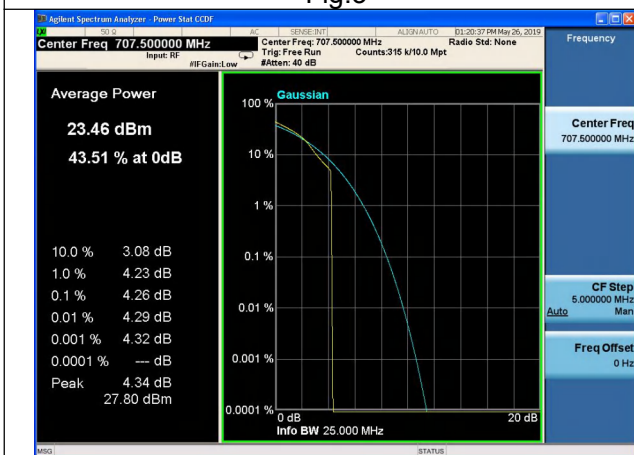


Fig.5

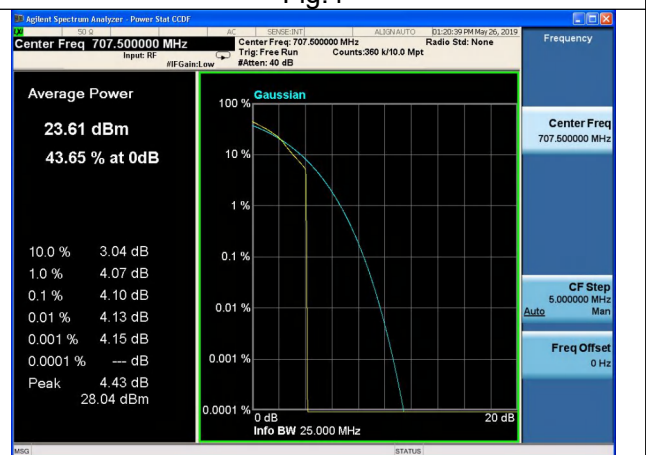


Fig.6

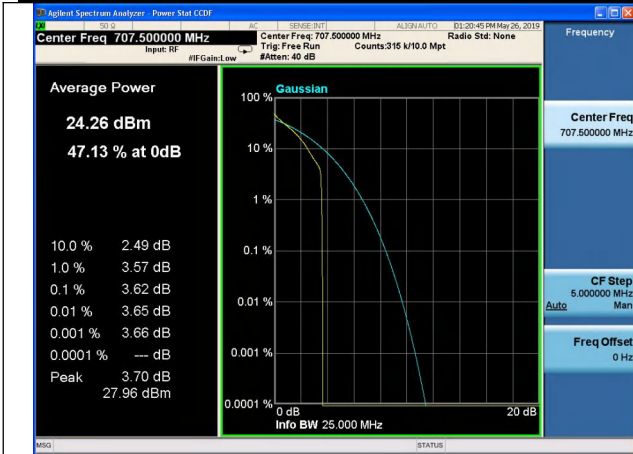


Fig.7

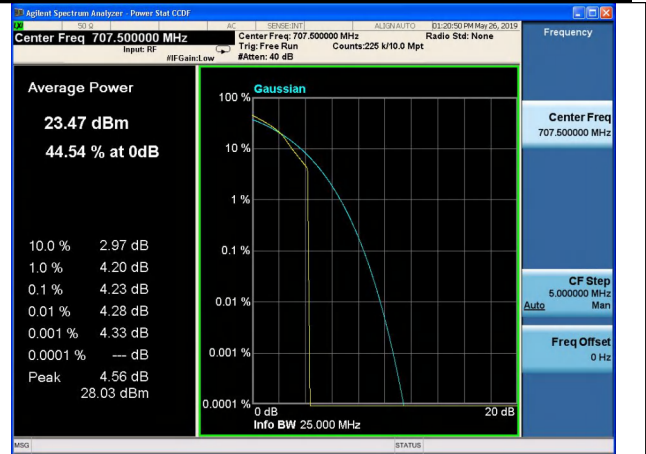


Fig.8

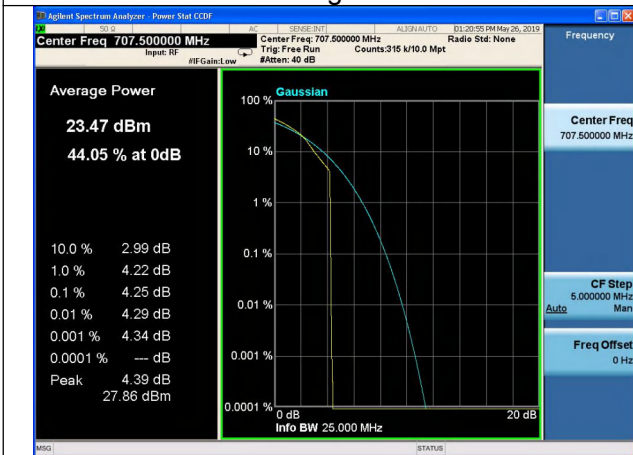


Fig.9

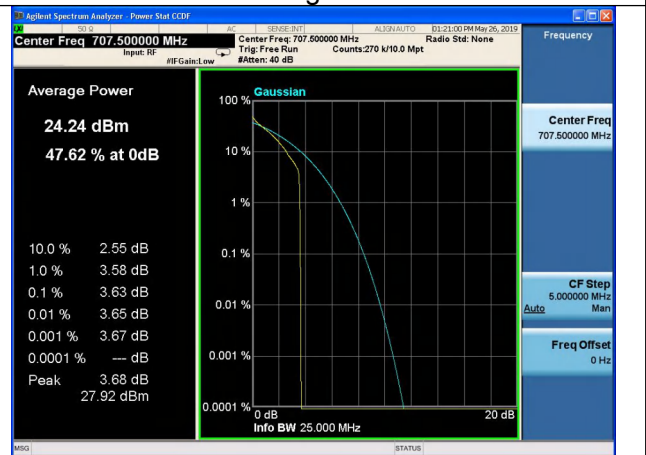


Fig.10

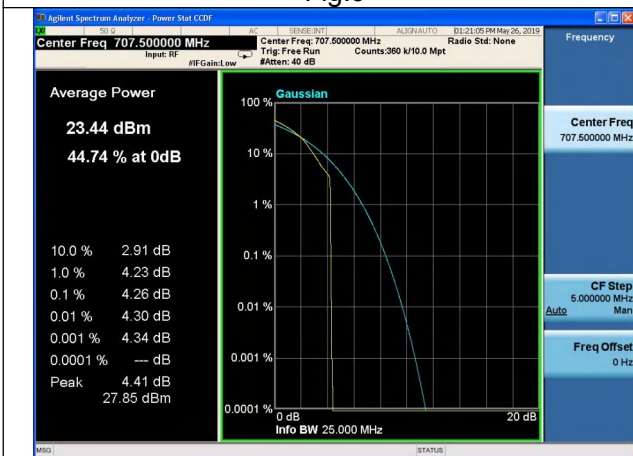


Fig.11

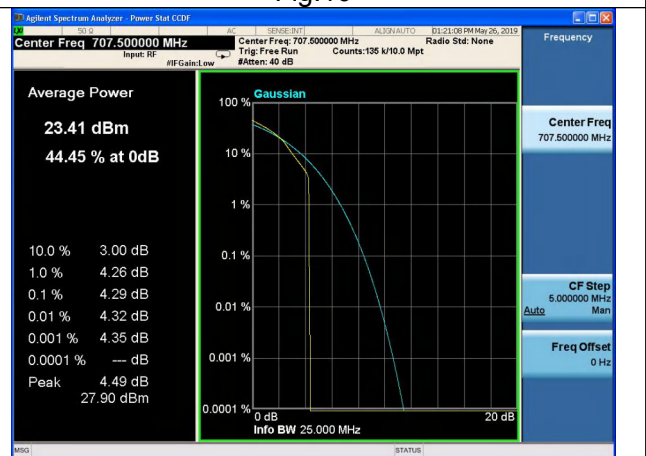


Fig.12

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
	707.5	23095	10	1	0	Fig.2
	711	23130	10	1	0	Fig.3

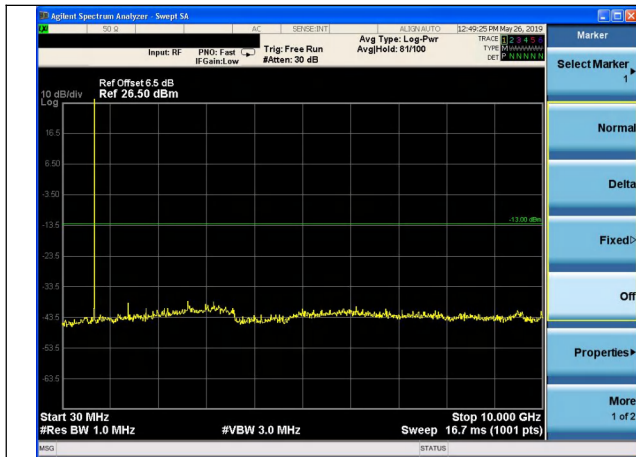


Fig.1

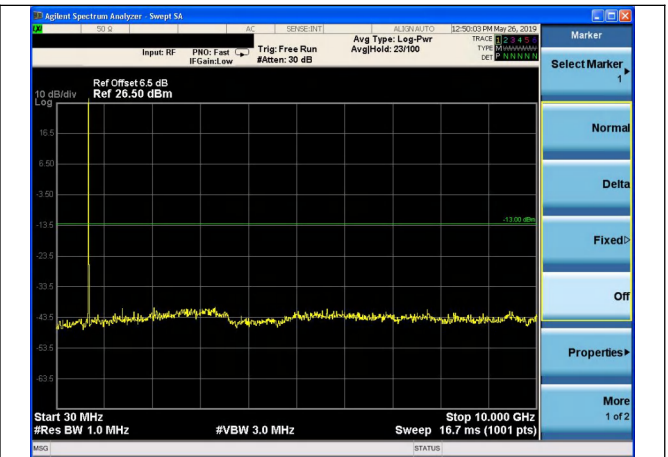


Fig.2

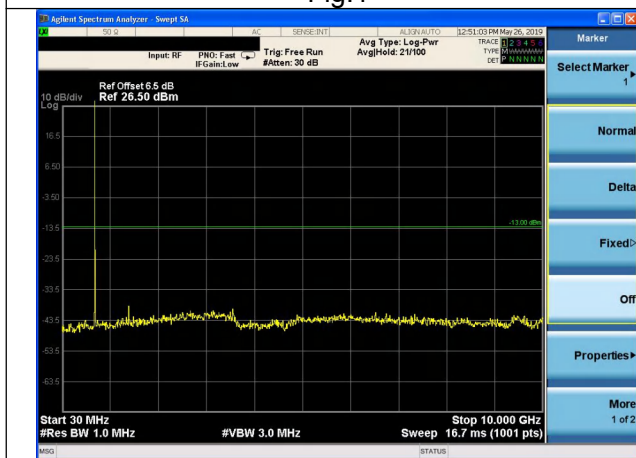


Fig3

5 Band Edges Compliance Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
12	699.7	23017	1.4	1	0	Fig.1
				6	0	Fig.2
	715.3	23173		1	5	Fig.3
				6	0	Fig.4
	700.5	23025	3	1	0	Fig.5
				15	0	Fig.6
	714.5	23165		1	14	Fig.7
				15	0	Fig.8
	701.5	23035	5	1	0	Fig.9
				25	0	Fig.10
	713.5	23155		1	24	Fig.11
				25	0	Fig.12
	704	23060	10	1	0	Fig.13
				50	0	Fig.14
	711	23130		1	49	Fig.15
				50	0	Fig.16

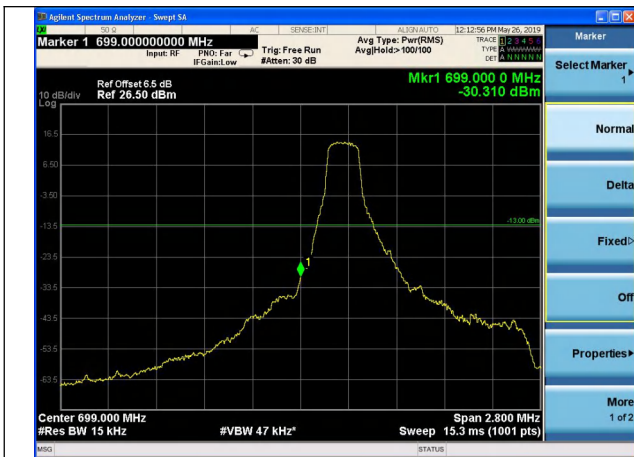


Fig.1



Fig.2

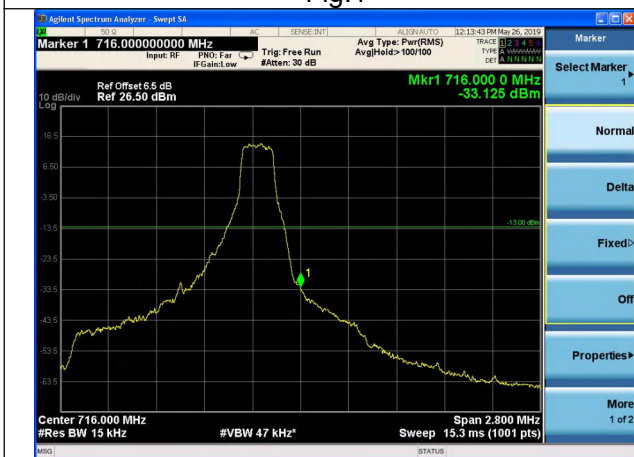


Fig.3



Fig.4

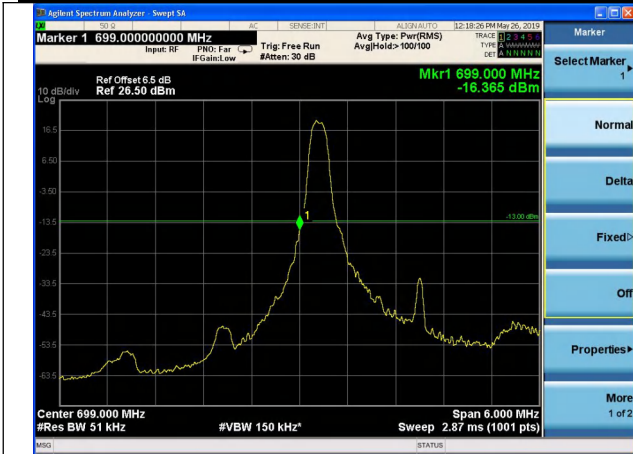


Fig.5



Fig.6

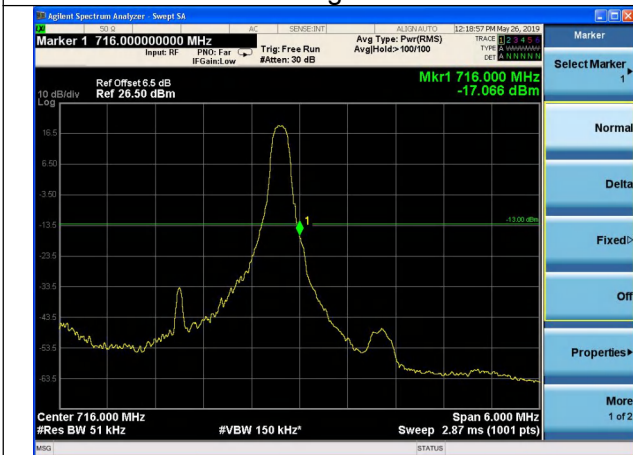


Fig.7

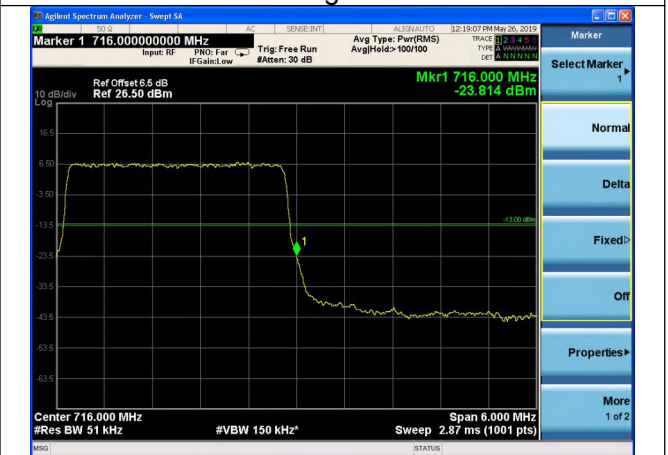


Fig.8

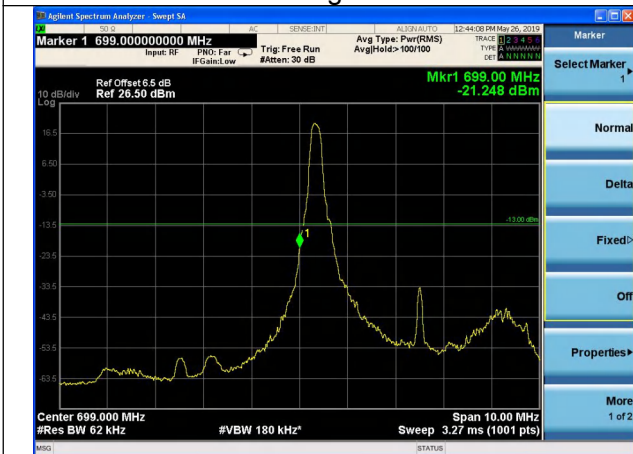


Fig.9

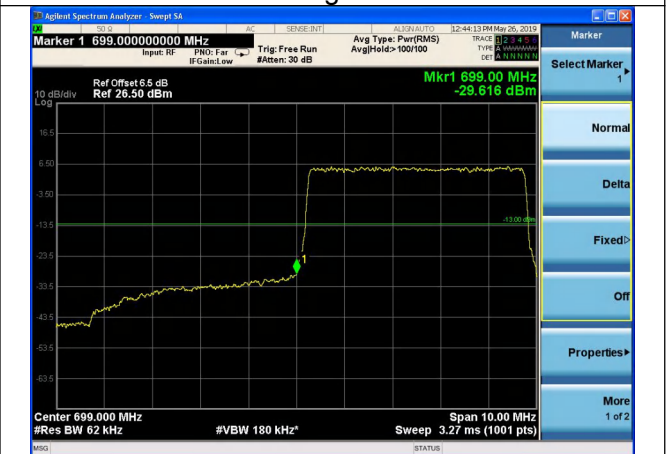


Fig.10

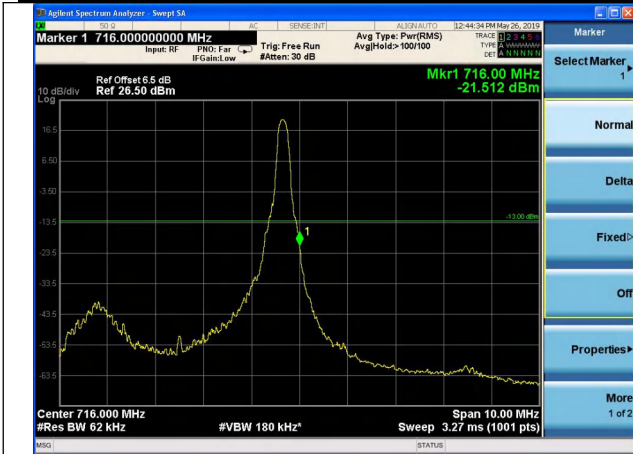


Fig.11



Fig.12

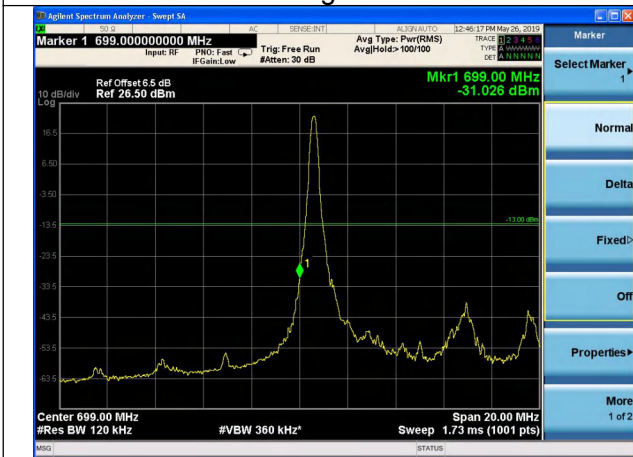


Fig.13



Fig.14

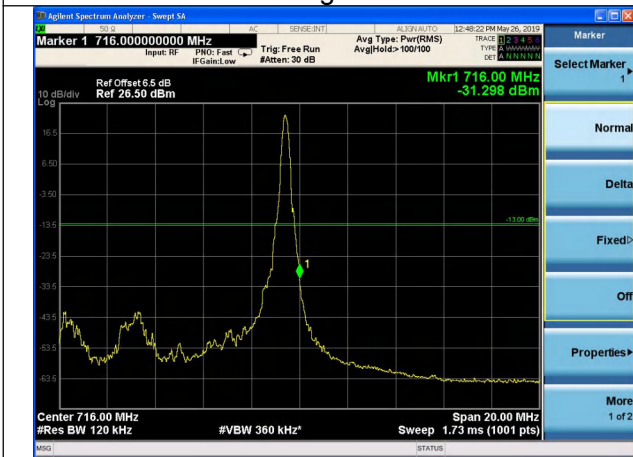


Fig.15



Fig.16

6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel			
		1.4M	3M	5M	10M
-10	NV	0.004	0.046	0.048	0.071
0	NV	0.053	0.042	0.032	0.009
+10	NV	0.013	0.068	0.030	0.057
+20	NV	0.084	0.059	0.099	0.027
+30	NV	0.011	0.030	0.042	0.021
+40	NV	0.001	0.049	0.015	0.064
+50	NV	0.024	0.048	0.054	0.019
+55	NV	0.049	0.025	0.046	0.011
+20	LV	0.061	0.053	0.047	0.020
+20	HV	0.016	0.085	0.062	0.013

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel			
		1.4M	3M	5M	10M
-10	NV	0.032	0.047	0.096	0.077
0	NV	0.072	0.016	0.076	0.034
+10	NV	0.081	0.075	0.057	0.018
+20	NV	0.018	0.096	0.068	0.068
+30	NV	0.030	0.008	0.064	0.074
+40	NV	0.041	0.019	0.022	0.041
+50	NV	0.084	0.032	0.006	0.077
+55	NV	0.003	0.076	0.048	0.048
+20	LV	0.014	0.002	0.019	0.071
+20	HV	0.080	0.083	0.012	0.073

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 13

1 RF Power Output up Ant

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	779.5	23205	5	1	0	23.52
				1	24	23.52
				12	6	23.09
				25	0	23.08
	782	23230		1	0	23.88
				1	24	23.88
				12	6	23.18
				25	0	23.14
	784.5	23255		1	0	23.95
				1	24	23.95
				12	6	23.14
				25	0	22.96
16QAM	779.5	23205	5	1	0	22.88
				1	24	22.88
				12	6	22.18
				25	0	22.10
	782	23230		1	0	22.93
				1	24	22.93
				12	6	22.13
				25	0	22.04
	784.5	23255		1	0	22.92
				1	24	22.92
				12	6	22.13
				25	0	21.99
64QAM	779.5	23205	5	1	0	22.90
				1	24	22.90
				12	6	22.18
				25	0	22.12
	782	23230		1	0	22.92
				1	24	22.92
				12	6	22.10
				25	0	22.02
	784.5	23255		1	0	22.91
				1	24	22.91
				12	6	22.10
				25	0	21.97

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	23.93
				1	49	23.93
				24	12	23.23
				50	0	23.19
16QAM	782	23230	10	1	0	22.98
				1	49	22.98
				24	12	22.18
				50	0	22.09
64QAM	782	23230	10	1	0	22.97
				1	49	22.97
				24	12	22.15
				50	0	22.07

1 RF Power Output down Ant

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	779.5	23205	5	1	0	24.46
				1	24	24.46
				12	6	24.03
				25	0	24.02
	782	23230		1	0	24.82
				1	24	24.82
				12	6	24.12
				25	0	24.08
	784.5	23255		1	0	24.89
				1	24	24.89
				12	6	24.08
				25	0	23.90
16QAM	779.5	23205	5	1	0	23.82
				1	24	23.82
				12	6	23.12
				25	0	23.04
	782	23230		1	0	23.87
				1	24	23.87
				12	6	23.07
				25	0	22.98
	784.5	23255		1	0	23.86
				1	24	23.86
				12	6	23.07
				25	0	22.93
64QAM	779.5	23205	5	1	0	23.84
				1	24	23.84
				12	6	23.12
				25	0	23.06
	782	23230		1	0	23.86
				1	24	23.86
				12	6	23.04
				25	0	22.96
	784.5	23255		1	0	23.85
				1	24	23.85
				12	6	23.04
				25	0	22.91

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	782	23230	10	1	0	24.82
				1	49	24.82
				24	12	24.12
				50	0	24.08
16QAM	782	23230	10	1	0	23.87
				1	49	23.87
				24	12	23.07
				50	0	22.98
64QAM	782	23230	10	1	0	23.86
				1	49	23.86
				24	12	23.04
				50	0	22.96

2 Occupied Bandwidth Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
13	779.5	23205	5	25	0	4.49	Fig.1	4.48	Fig.2	4.49	Fig.3
	782	23230		25	0	4.48	Fig.4	4.46	Fig.5	4.48	Fig.6
	784.5	23255		25	0	4.49	Fig.7	4.48	Fig.8	4.48	Fig.9
	782	23230	10	50	0	8.94	Fig.10	8.93	Fig.11	8.92	Fig.12

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
13	779.5	23205	5	25	0	4.92	Fig.1	4.85	Fig.2	4.85	Fig.3
	782	23230		25	0	4.83	Fig.4	4.85	Fig.5	4.84	Fig.6
	784.5	23255		25	0	4.89	Fig.7	4.89	Fig.8	4.84	Fig.9
	782	23230	10	50	0	9.62	Fig.10	9.59	Fig.11	9.58	Fig.12

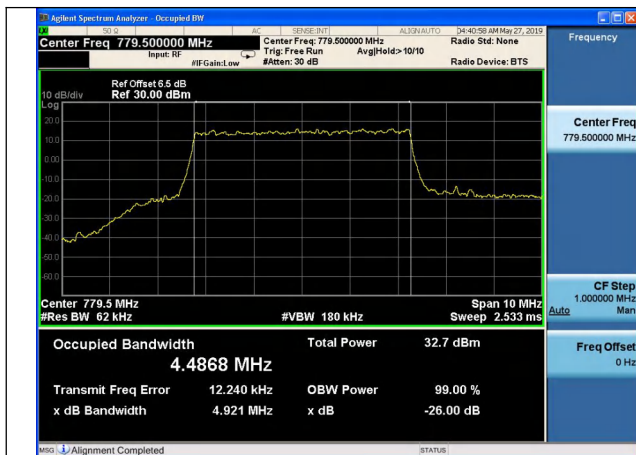


Fig.1

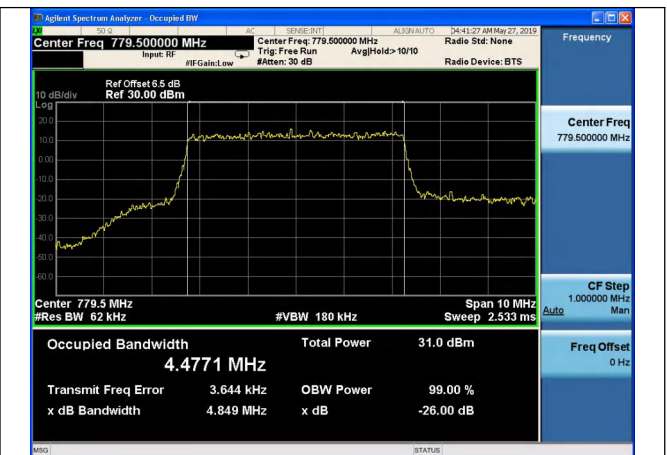


Fig.2

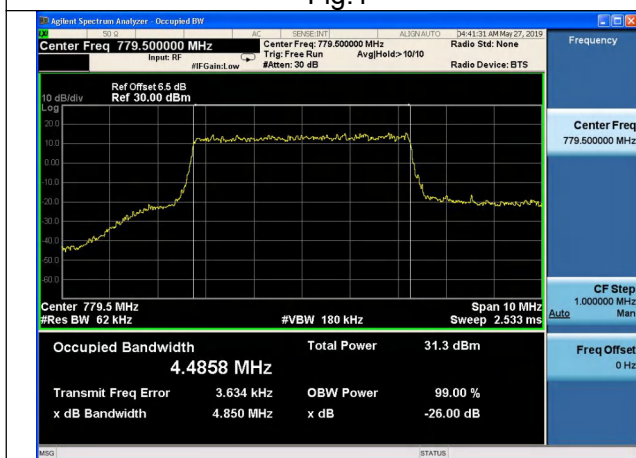


Fig.3

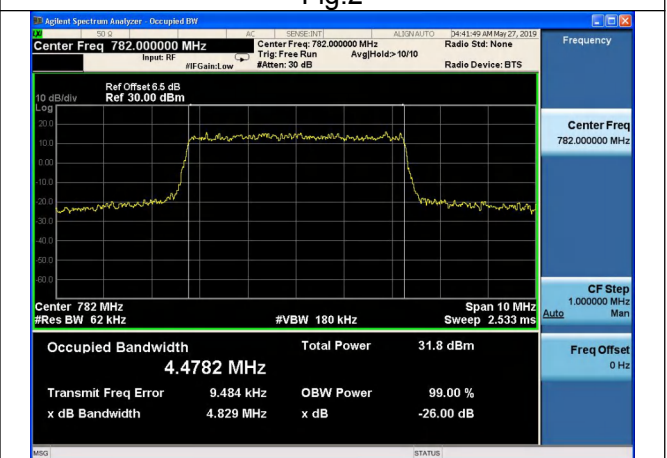


Fig.4

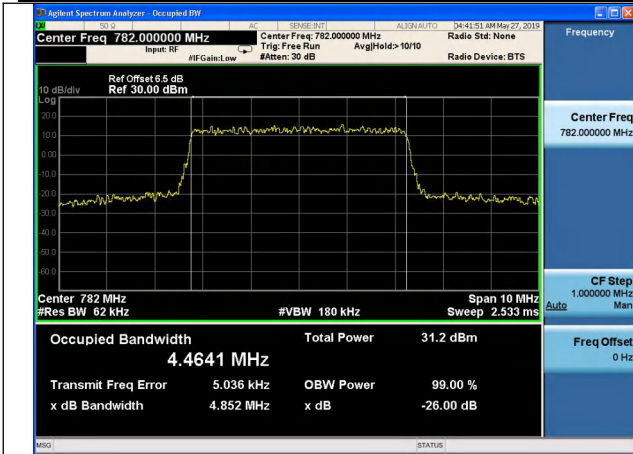


Fig.5

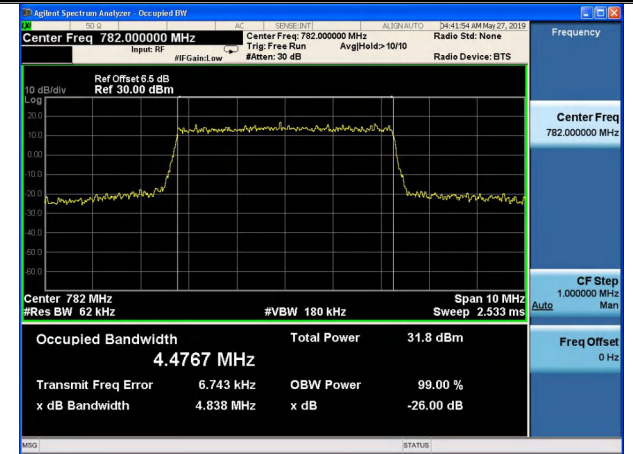


Fig.6

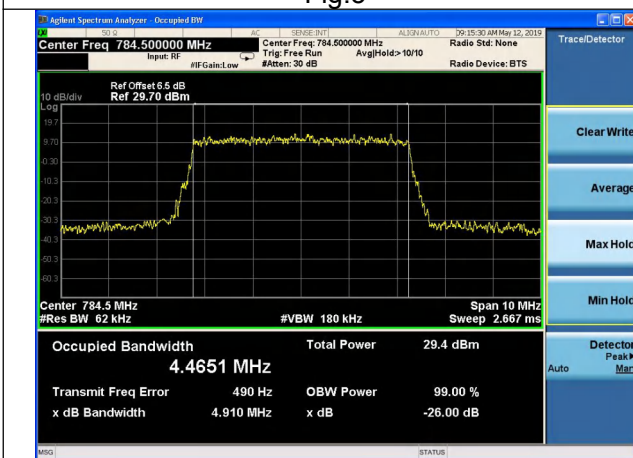


Fig.7

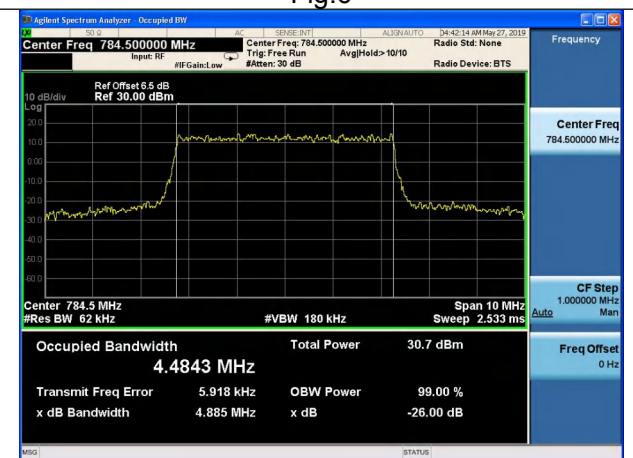


Fig.8

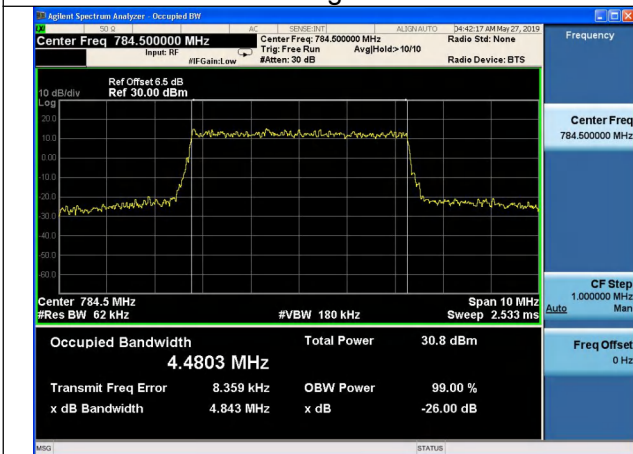


Fig.9

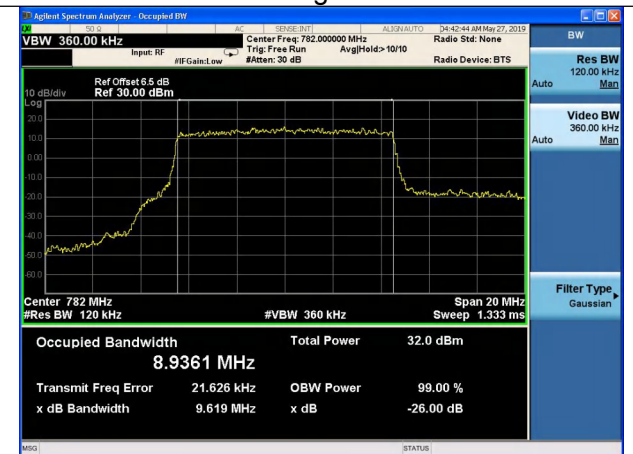


Fig.10

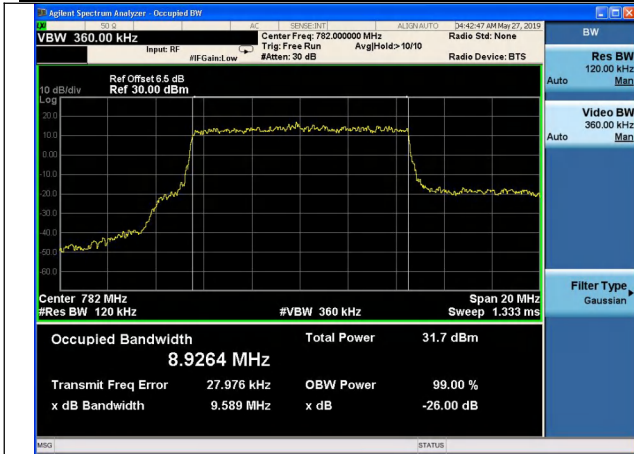


Fig.11

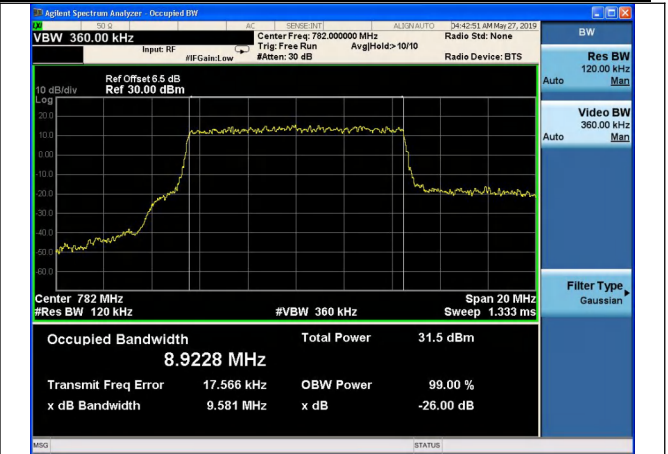


Fig.12

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
13	782	23230	5	1	0	Fig.1	Fig.2	Fig.3
			10	1	0	Fig.4	Fig.5	Fig.6

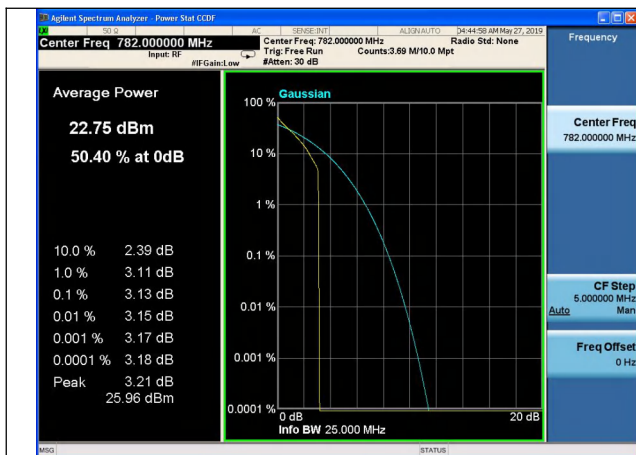


Fig.1

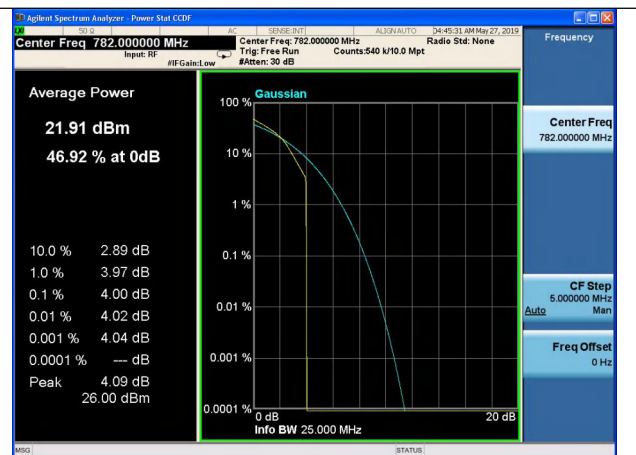


Fig.2

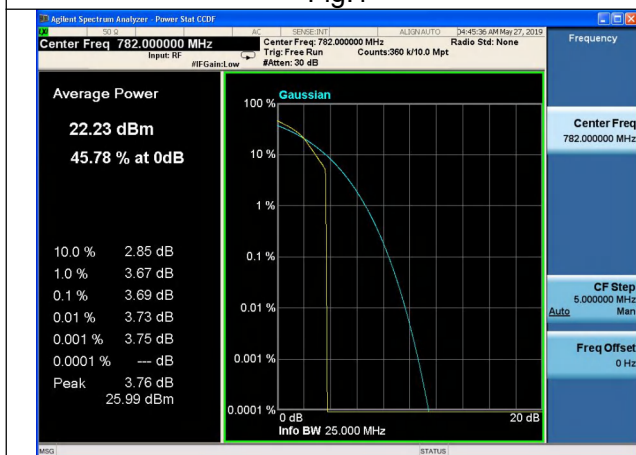


Fig.3

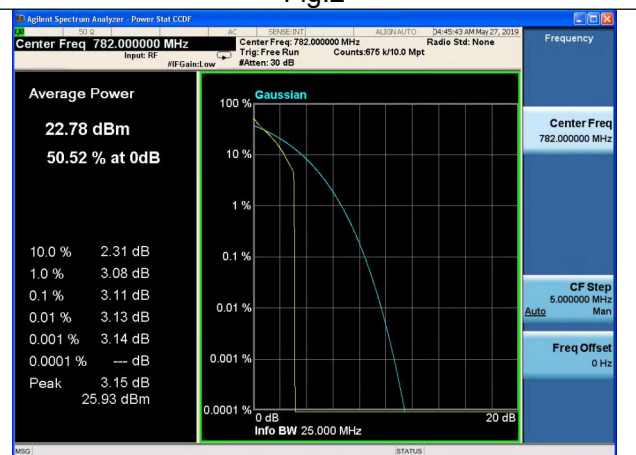


Fig.4

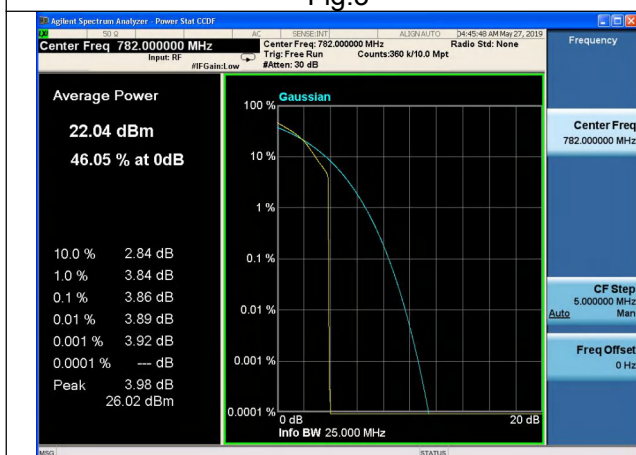


Fig.5

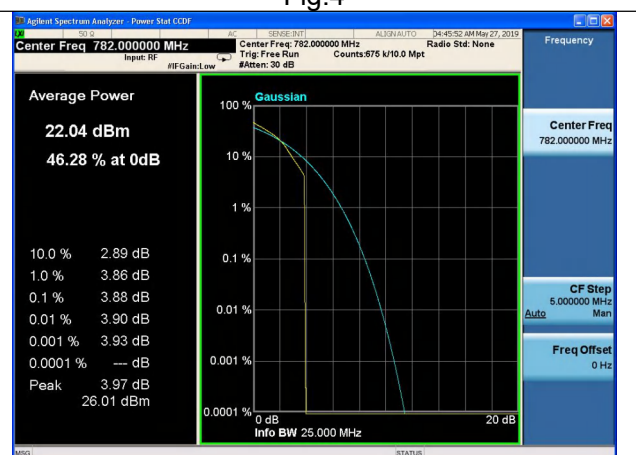


Fig.6

4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
13	782	23230	10	1	0	Fig.1

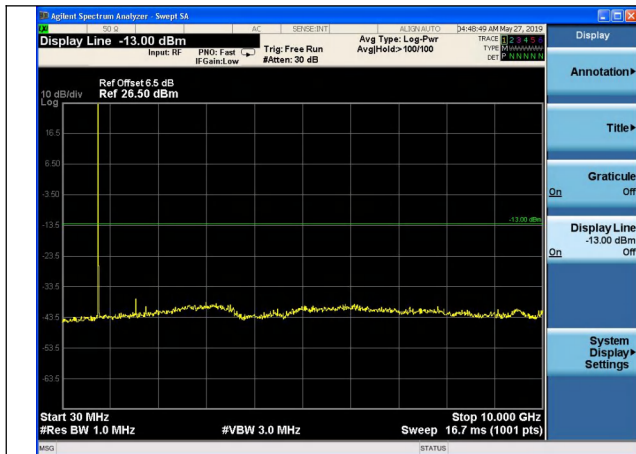


Fig.1

5 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
13	779.5	23205	5	1	0	Fig.1
				25	0	Fig.2
	784.5	23255		1	24	Fig.3
				25	0	Fig.4
	782	23230	10	1	0	Fig.5
				50	0	Fig.6
	782	23230		1	49	Fig.7
				50	0	Fig.8

Emission Mask Edge

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
13	779.5	23205	5	1	0	Fig.9
				25	0	Fig.10
	784.5	23255		1	24	Fig.11
				25	0	Fig.12
	782	23230	10	1	0	Fig.13
				50	0	Fig.14
	782	23230		1	49	Fig.15
				50	0	Fig.16

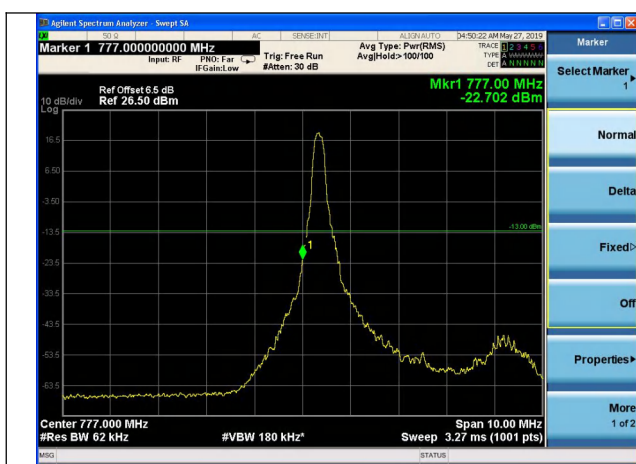


Fig.1

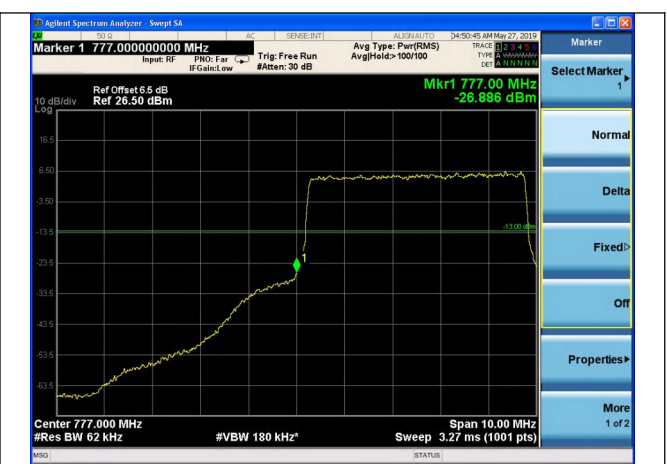


Fig.2

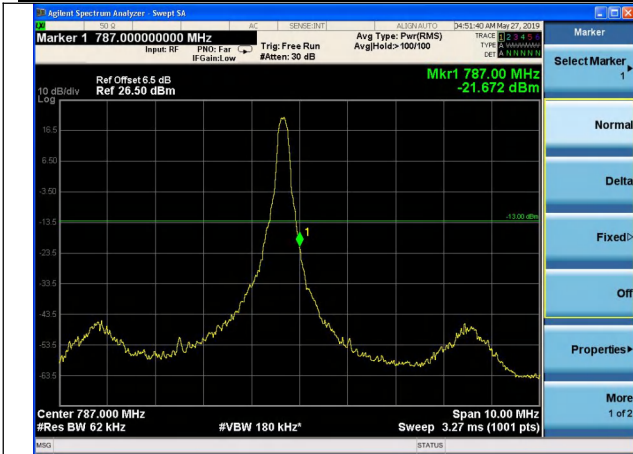


Fig.3

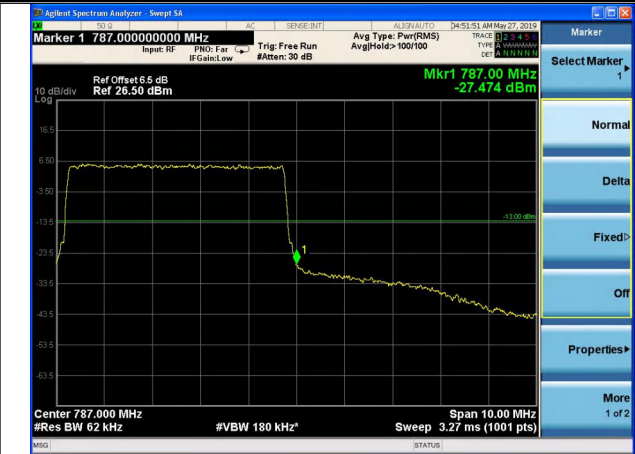


Fig.4

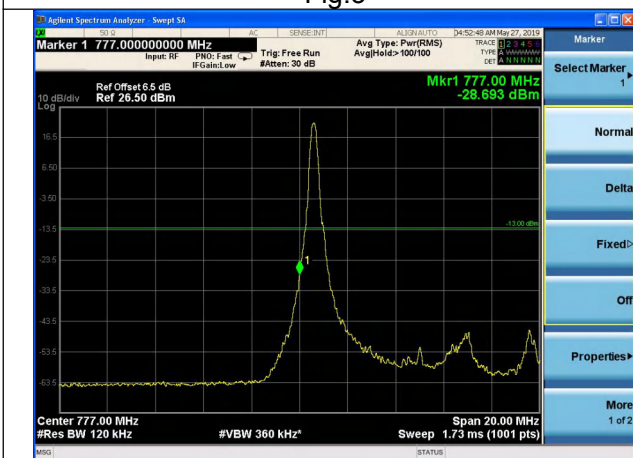


Fig.5



Fig.6

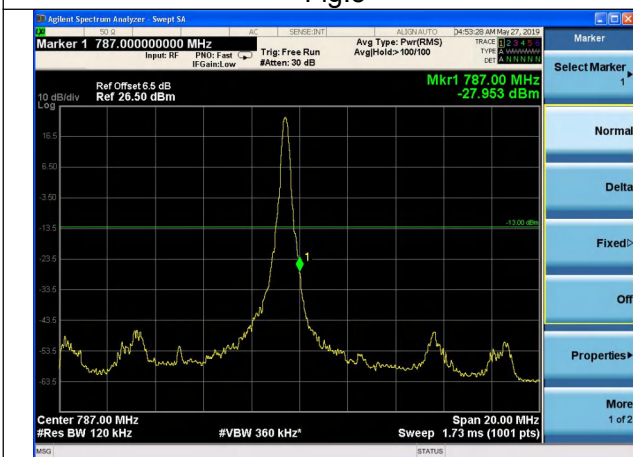


Fig.7



Fig.8