

Fig.19



Fig.20

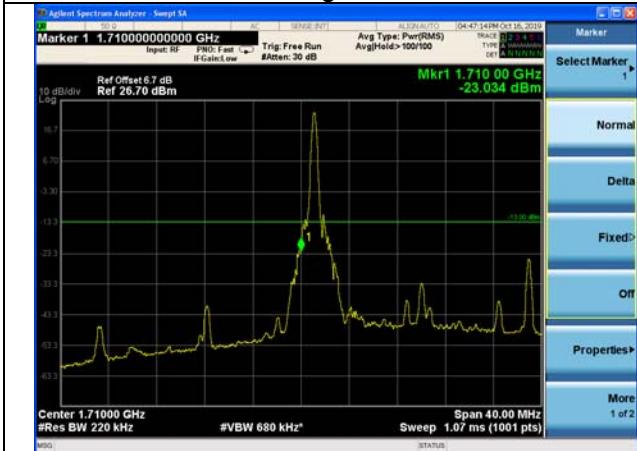


Fig.21

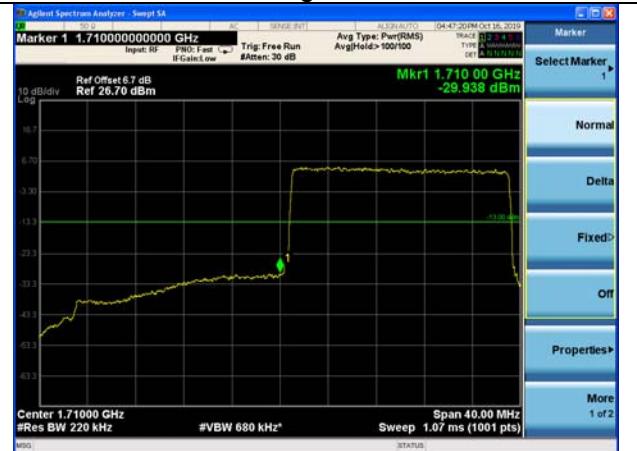


Fig.22

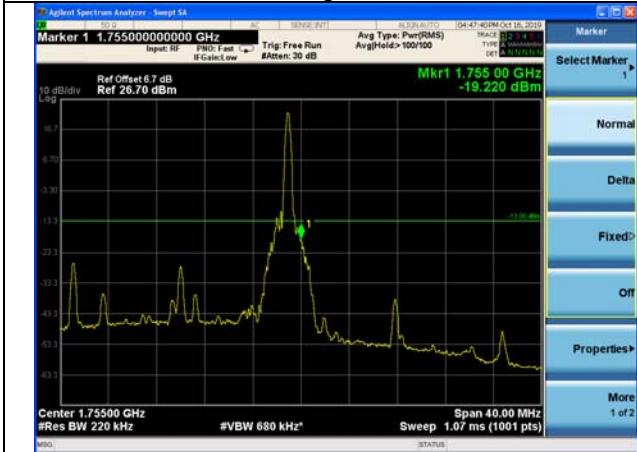


Fig.23



Fig.24

## 6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.020	0.095	0.045	-0.006	-0.018	0.020
+10	NV	0.075	-0.039	-0.098	-0.068	0.038	0.075
+20	NV	-0.061	-0.005	0.032	0.089	0.042	-0.061
+30	NV	-0.088	0.049	0.009	0.037	-0.004	-0.088
+40	NV	0.074	-0.083	-0.043	0.059	-0.019	0.074
+50	NV	-0.008	-0.029	-0.030	0.006	0.013	-0.008
+20	LV	0.051	-0.070	0.000	0.002	0.076	0.051
+20	HV	0.020	0.095	0.045	-0.006	-0.018	0.020

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel					
		1.4M	3M	5M	10M	15M	20M
0	NV	0.023	-0.098	-0.022	0.013	0.049	0.023
+10	NV	-0.073	-0.100	0.072	-0.024	-0.037	-0.073
+20	NV	0.029	0.081	0.000	0.065	0.042	0.029
+30	NV	-0.001	-0.027	-0.053	-0.079	0.077	-0.001
+40	NV	-0.077	0.006	-0.041	0.053	-0.076	-0.077
+50	NV	-0.058	-0.040	0.078	0.089	-0.079	-0.058
+20	LV	0.095	0.089	-0.032	0.098	0.086	0.095
+20	HV	0.023	-0.098	-0.022	0.013	0.049	0.023

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

**LTE Band 5**
**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	824.7	20407	1.4	1	0	23.62	
				1	5	23.62	
				3	2	22.70	
				6	0	22.73	
	836.5	20525		1	0	23.55	
				1	5	23.55	
				3	2	22.69	
				6	0	22.71	
	848.3	20643		1	0	23.50	
				1	5	23.50	
				3	2	22.66	
				6	0	22.65	
16QAM	824.7	20407		1	0	22.76	
				1	5	22.76	
				3	2	21.62	
				6	0	21.63	
	836.5	20525		1	0	22.77	
				1	5	22.77	
				3	2	21.62	
				6	0	21.59	
	848.3	20643		1	0	22.71	
				1	5	22.71	
				3	2	21.64	
				6	0	21.61	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	825.5	20415	3	1	0	23.52	
				1	14	23.52	
				8	4	22.60	
				15	0	22.63	
				1	0	23.45	
	836.5	20525		1	14	23.45	
				8	4	22.59	
				15	0	22.61	
				1	0	23.40	
				1	14	23.40	
16QAM	847.5	20635		8	4	22.69	
				15	0	22.68	
				1	0	22.79	
				1	14	22.79	
				8	4	21.65	
	825.5	20415		15	0	21.66	
				1	0	22.82	
				1	14	22.82	
				8	4	21.67	
				15	0	21.64	
	836.5	20525		1	0	22.76	
				1	14	22.76	
				8	4	21.69	
				15	0	21.66	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	826.5	20425	5	1	0	23.63	
				1	24	23.63	
				12	6	22.71	
				25	0	22.74	
				1	0	23.56	
	836.5	20525		1	24	23.56	
				12	6	22.70	
				25	0	22.72	
				1	0	23.51	
				1	24	23.51	
16QAM	826.5	20425	5	12	6	22.73	
				25	0	22.72	
				1	0	22.80	
				1	24	22.80	
				12	6	21.66	
	836.5	20525		25	0	21.67	
				1	0	22.81	
				1	24	22.81	
				12	6	21.66	
				25	0	21.63	
	846.5	20625		1	0	22.75	
				1	24	22.75	
				12	6	21.68	
				25	0	21.65	

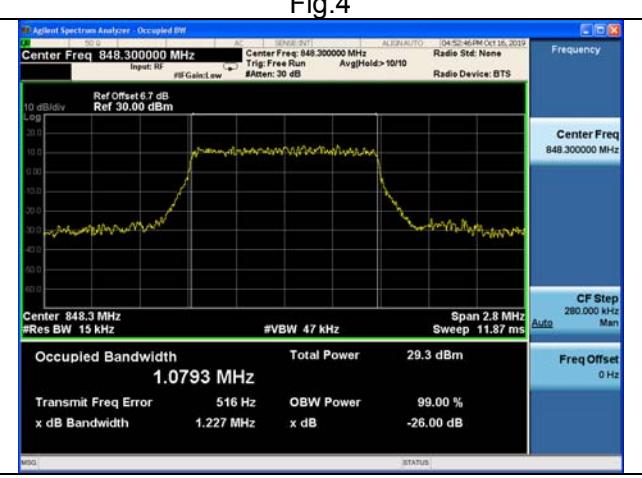
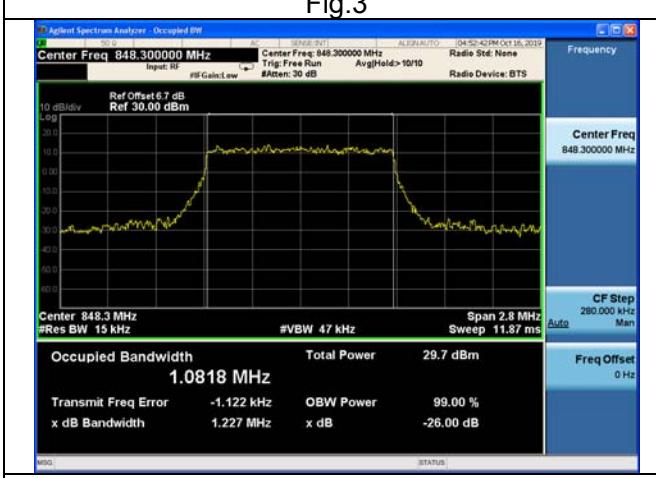
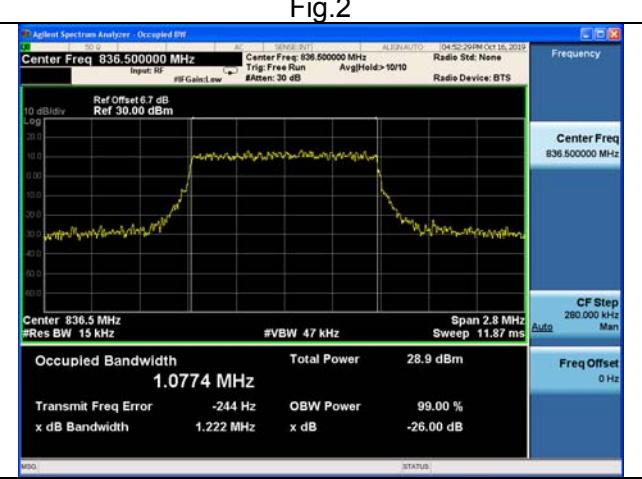
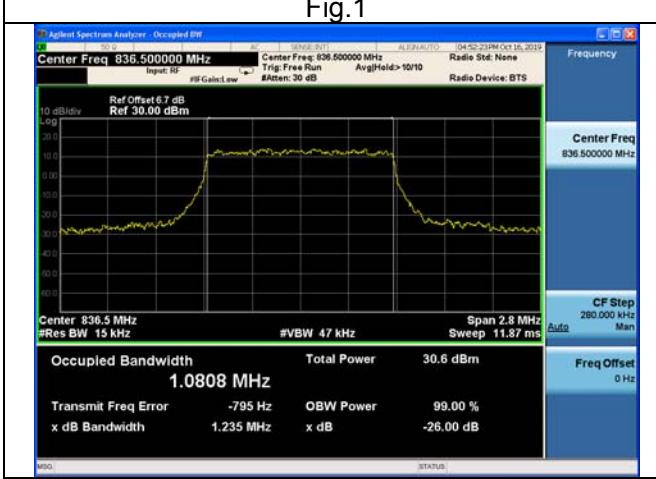
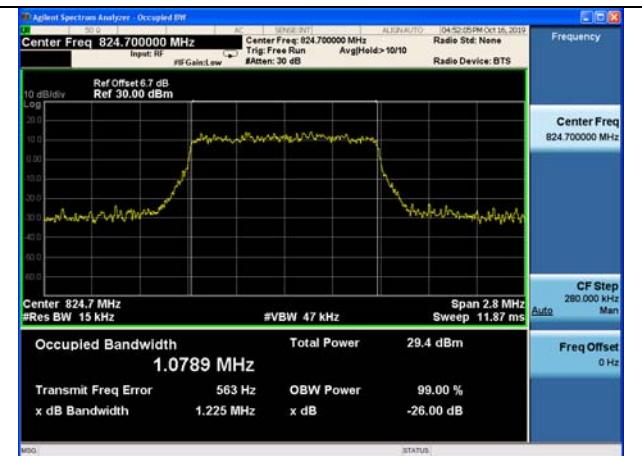
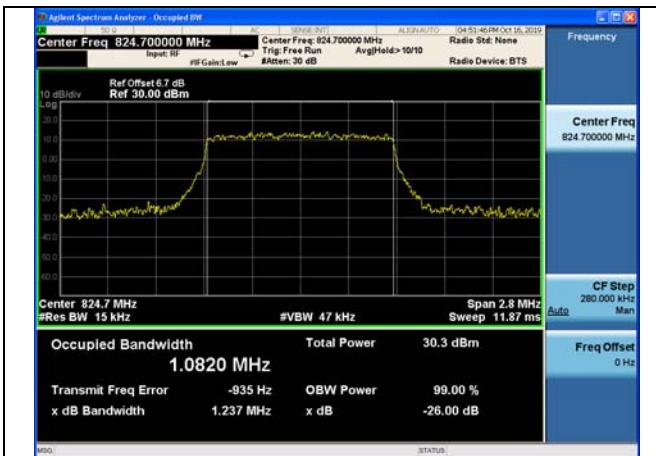
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	829	20450	10	1	0	23.68	
				1	49	23.68	
				24	12	22.76	
				50	0	22.79	
				1	0	23.61	
	836.5	20525		1	49	23.61	
				24	12	22.75	
				50	0	22.77	
				1	0	23.56	
				1	49	23.56	
16QAM	829	20450	10	24	12	22.78	
				50	0	22.77	
				1	0	22.88	
				1	49	22.88	
				24	12	21.74	
	836.5	20525		50	0	21.75	
				1	0	22.89	
				1	49	22.89	
				24	12	21.74	
				50	0	21.71	
16QAM	844	20600		1	0	22.83	
				1	49	22.83	
				24	12	21.76	
				50	0	21.73	

## 2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)		
						QPSK		16-QAM
5	824.7	20407	1.4	6	0	1.0820	Fig.1	1.0789
	836.5	20525		6	0	1.0808	Fig.3	1.0774
	848.3	20643		6	0	1.0818	Fig.5	1.0793
	825.5	20415	3	15	0	2.6779	Fig.7	2.6840
	836.5	20525		15	0	2.6868	Fig.9	2.6822
	847.5	20635		15	0	2.6827	Fig.11	2.6786
	826.5	20425	5	25	0	4.4924	Fig.13	4.4877
	836.5	20525		25	0	4.4840	Fig.15	4.4849
	846.5	20625		25	0	4.4895	Fig.17	4.4870
	829	20450	10	50	0	8.9567	Fig.19	8.9923
	836.5	20525		50	0	8.9652	Fig.21	8.9301
	844	20600		50	0	8.9298	Fig.23	8.9466

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)		
						QPSK		16-QAM
5	824.7	20407	1.4	6	0	1.237	Fig.1	1.225
	836.5	20525		6	0	1.235	Fig.3	1.222
	848.3	20643		6	0	1.227	Fig.5	1.227
	825.5	20415	3	15	0	2.880	Fig.7	2.889
	836.5	20525		15	0	2.910	Fig.9	2.870
	847.5	20635		15	0	2.878	Fig.11	2.875
	826.5	20425	5	25	0	5.068	Fig.13	5.060
	836.5	20525		25	0	5.065	Fig.15	5.030
	846.5	20625		25	0	5.053	Fig.17	5.032
	829	20450	10	50	0	9.821	Fig.19	9.934
	836.5	20525		50	0	9.798	Fig.21	9.842
	844	20600		50	0	9.771	Fig.23	9.715



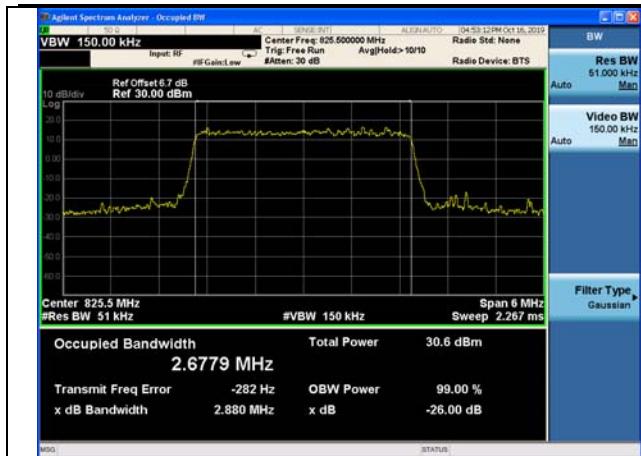


Fig.7



Fig.8



Fig.9



Fig.10

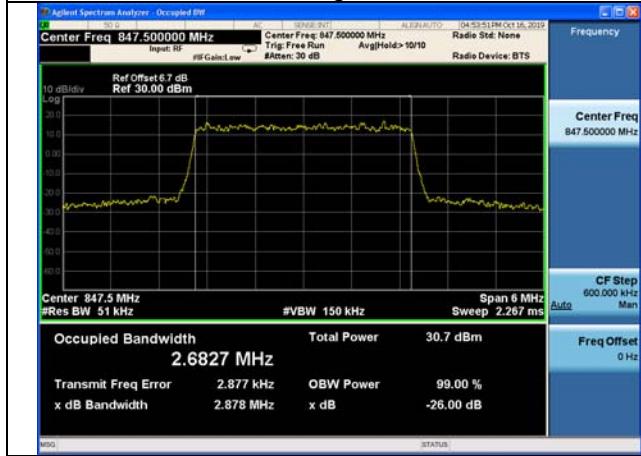


Fig.11

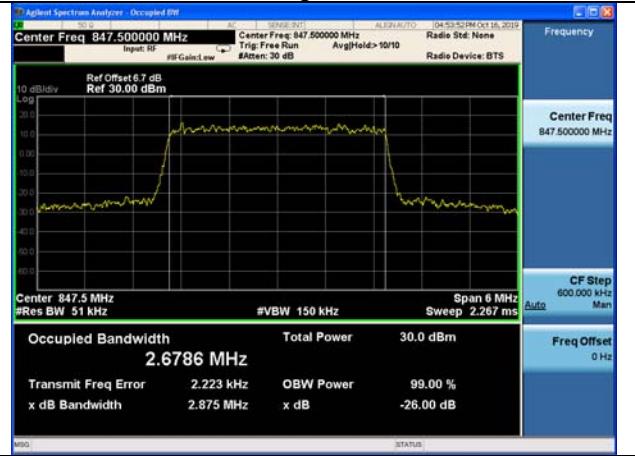


Fig.12

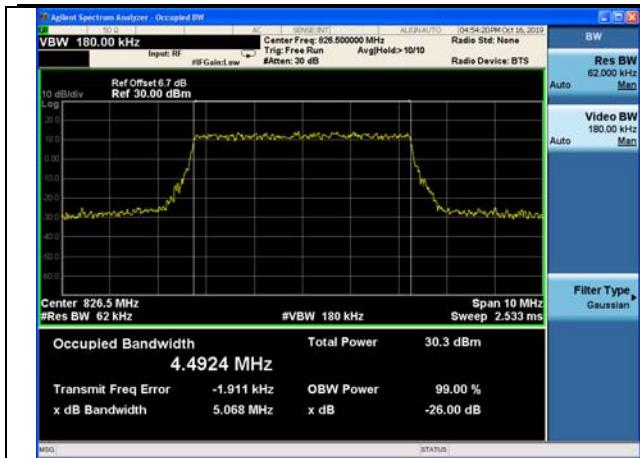


Fig.13



Fig.14

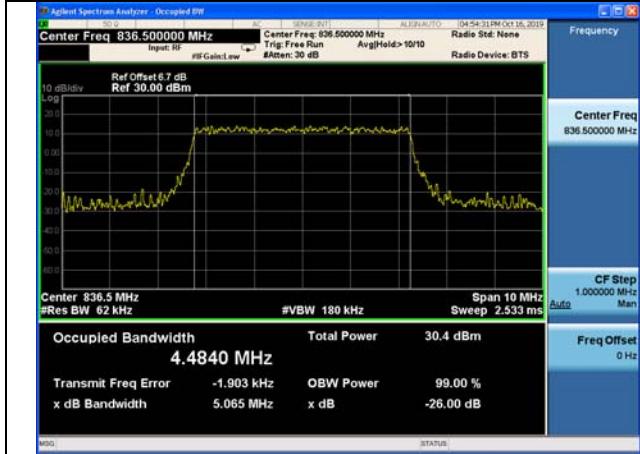


Fig.15

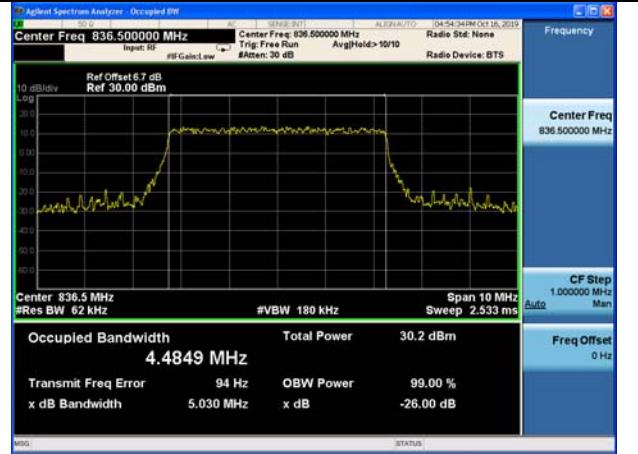


Fig.16

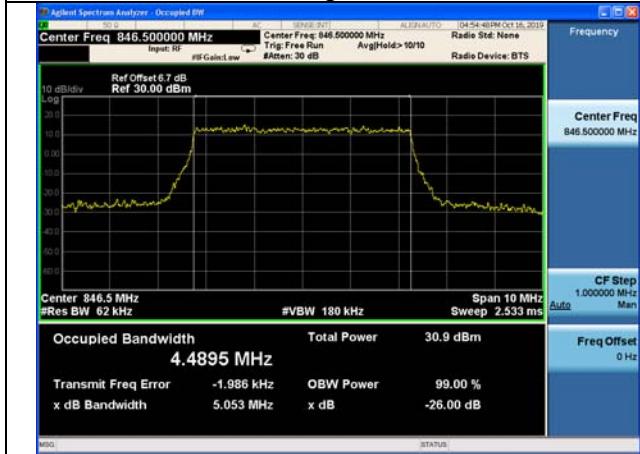


Fig.17



Fig.18

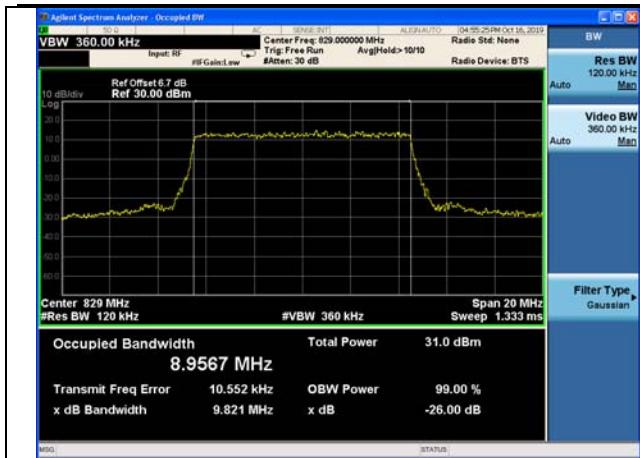


Fig.19



Fig.20

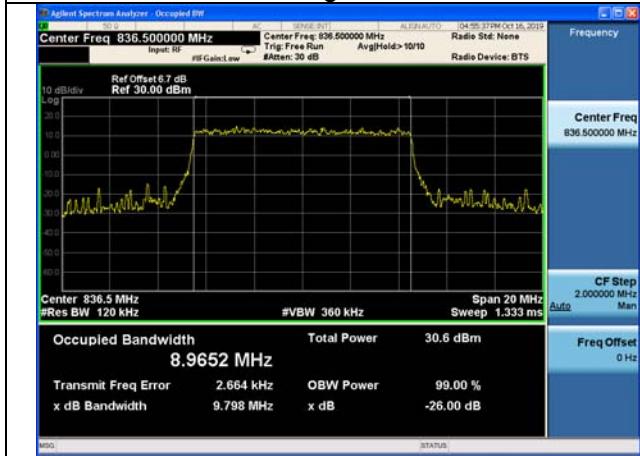


Fig.21



Fig.22

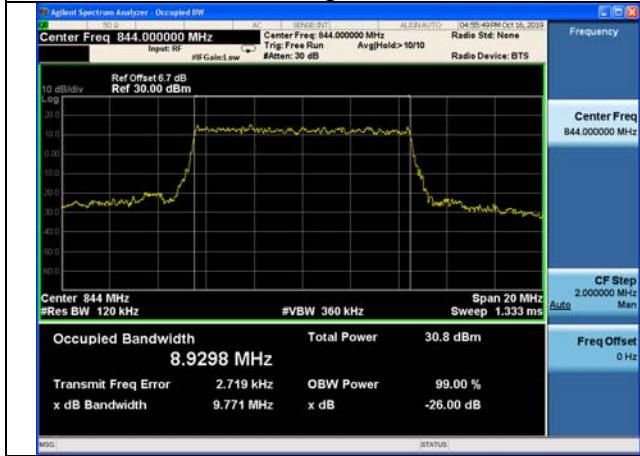


Fig.23

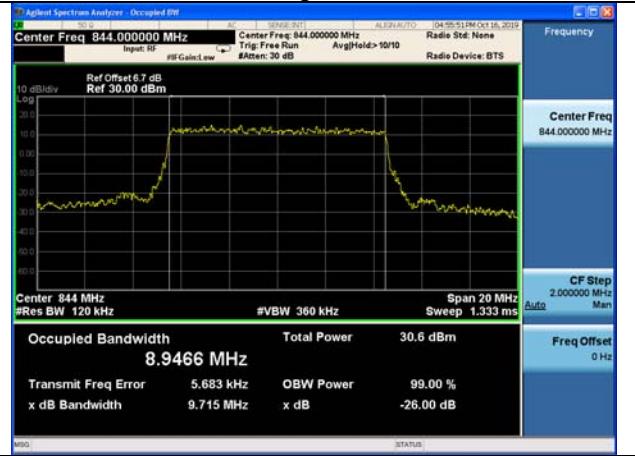


Fig.24

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
5	836.5	20525	1.4	1	0	Fig.1	Fig.2
			3	1	0	Fig.3	Fig.4
			5	1	0	Fig.5	Fig.6
			10	1	0	Fig.7	Fig.8



Fig.1

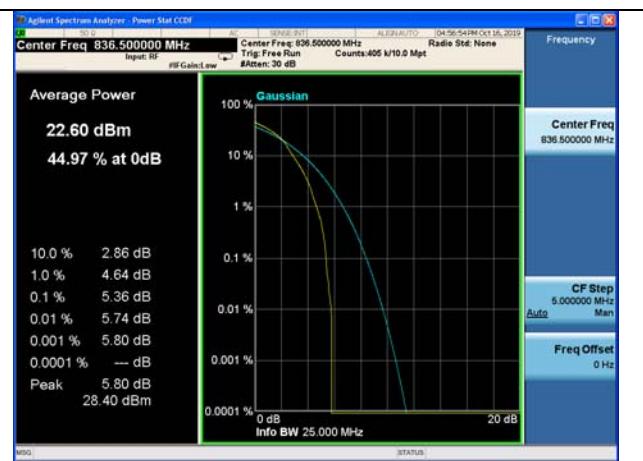


Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8

#### 4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
	836.5	20525	10	1	0	Fig.2
	844	20600	10	1	0	Fig.3

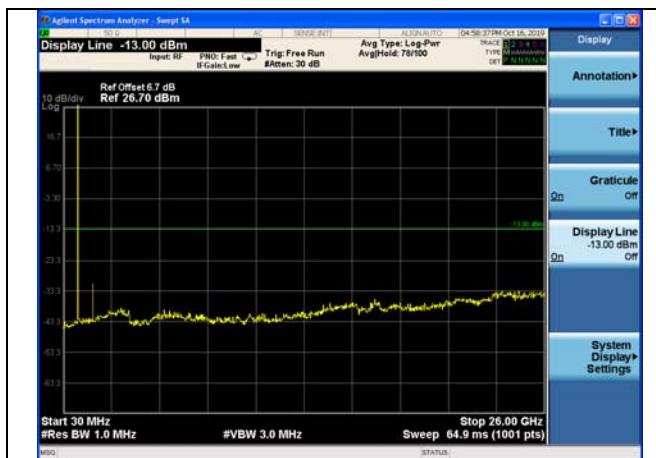


Fig.1

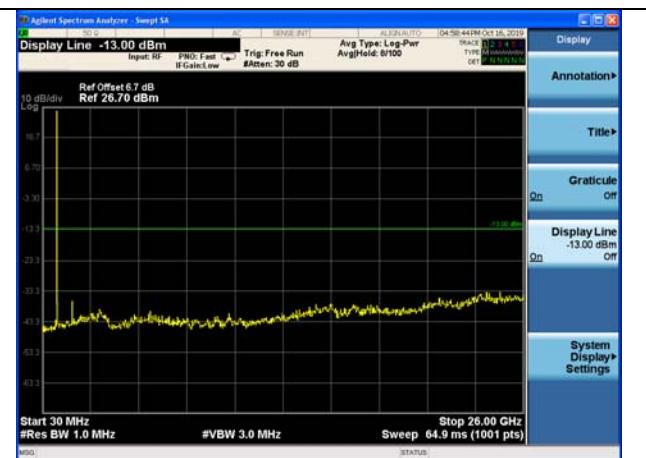


Fig.2



Fig3

## 5 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot		
						QPSK		
5	824.7	20407	1.4	1	0	Fig.1		
				6	0	Fig.2		
	848.3	20643		1	5	Fig.3		
				6	0	Fig.4		
	825.5	20415		1	0	Fig.5		
				15	0	Fig.6		
	847.5	20635		1	14	Fig.7		
				15	0	Fig.8		
	826.5	20425	5	1	0	Fig.9		
				25	0	Fig.10		
	846.5	20625		1	24	Fig.11		
				25	0	Fig.12		
	829	20450	10	1	0	Fig.13		
				50	0	Fig.14		
	844	20600		1	49	Fig.15		
				50	0	Fig.16		

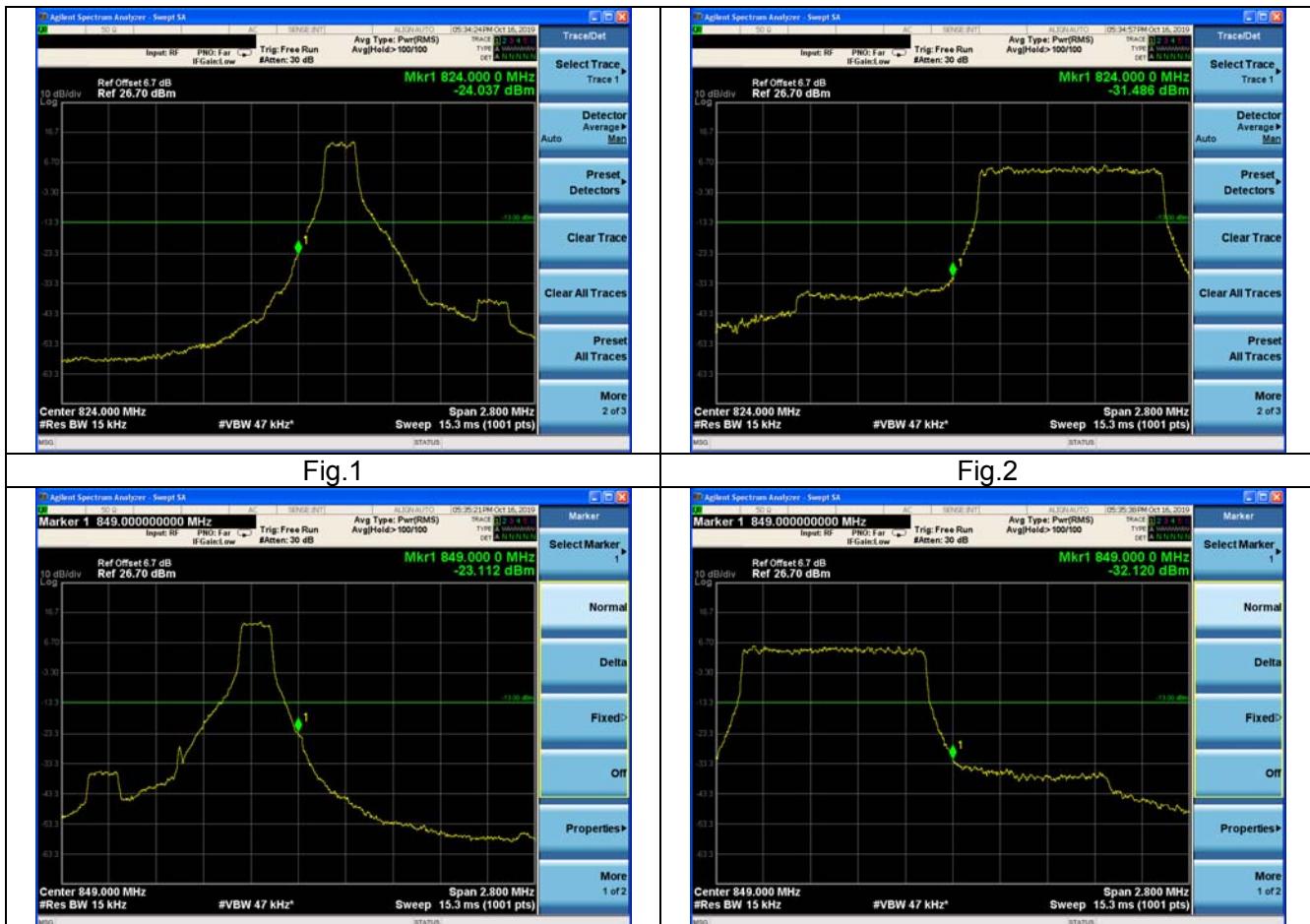


Fig.3

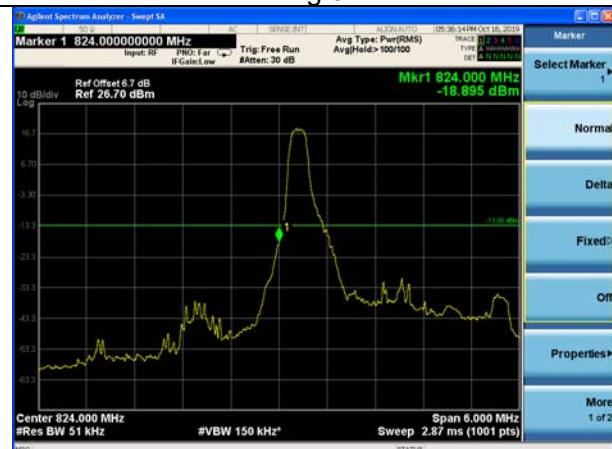


Fig.4

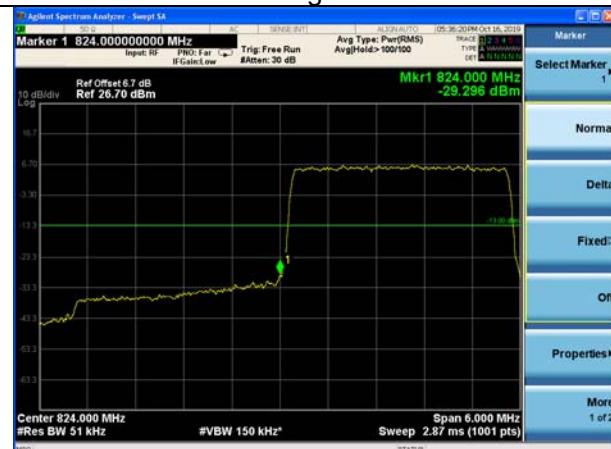


Fig.5



Fig.6



Fig.7



Fig.8



Fig.9

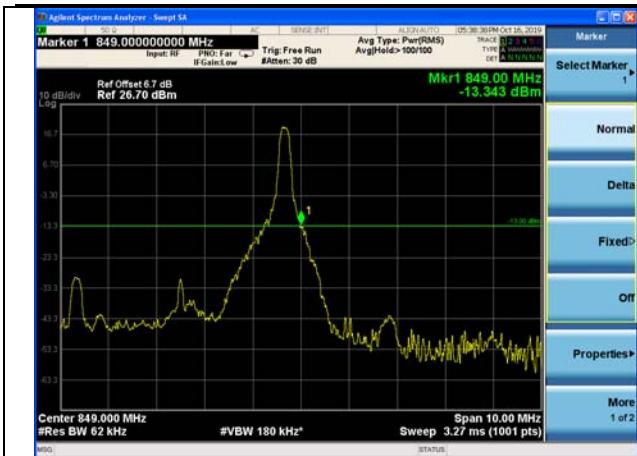


Fig.11



Fig.12

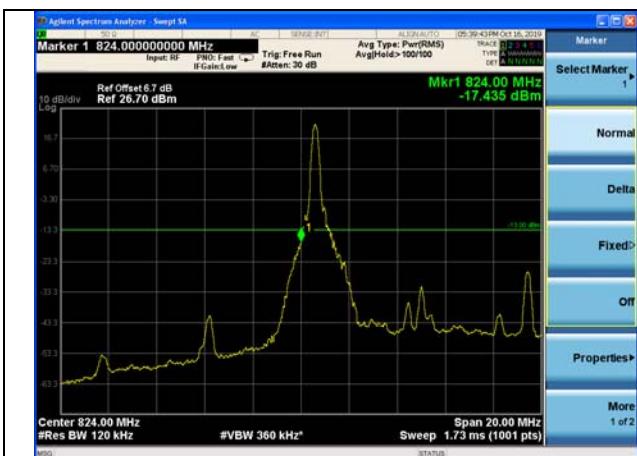


Fig.13



Fig.14



Fig.15



Fig.16

## 6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel			
		1.4M	3M	5M	10M
0	NV	0.020	0.080	-0.036	-0.036
+10	NV	-0.057	-0.067	0.000	0.001
+20	NV	-0.013	0.014	-0.028	-0.030
+30	NV	0.030	-0.046	0.072	-0.076
+40	NV	-0.023	0.087	-0.067	0.018
+50	NV	-0.062	0.009	0.042	0.001
+20	LV	0.000	-0.067	0.010	-0.048
+20	HV	0.020	0.080	-0.036	-0.036

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel			
		1.4M	3M	5M	10M
0	NV	-0.056	-0.081	-0.064	0.016
+10	NV	0.070	0.055	-0.068	0.017
+20	NV	-0.049	0.047	0.045	-0.075
+30	NV	0.054	-0.032	-0.052	0.088
+40	NV	0.049	-0.021	-0.051	-0.042
+50	NV	0.031	0.045	0.067	0.041
+20	LV	-0.050	-0.085	0.090	0.067
+20	HV	-0.056	-0.081	-0.064	0.016

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

### 1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2502.5	20775	5	1	0	23.84	
				1	24	23.84	
				12	6	23.01	
				25	0	23.09	
	2535	21100		1	0	23.80	
				1	24	23.80	
				12	6	23.16	
				25	0	23.18	
	2567.5	21425		1	0	23.76	
				1	24	23.76	
				12	6	23.09	
				25	0	23.04	
16QAM	2502.5	20775	5	1	0	23.07	
				1	24	23.07	
				12	6	21.93	
				25	0	22.02	
	2535	21100		1	0	23.06	
				1	24	23.06	
				12	6	22.09	
				25	0	22.10	
	2567.5	21425		1	0	23.15	
				1	24	23.15	
				12	6	22.01	
				25	0	21.96	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2505	20800	10	1	0	23.77	
				1	49	23.77	
				24	12	22.94	
				50	0	23.02	
	2535	21100		1	0	23.73	
				1	49	23.73	
				24	12	23.09	
				50	0	23.11	
	2565	21400		1	0	23.69	
				1	49	23.69	
				24	12	23.02	
				50	0	23.05	
16QAM	2505	20800	10	1	0	23.11	
				1	49	23.11	
				24	12	21.97	
				50	0	22.06	
	2535	21100		1	0	23.10	
				1	49	23.10	
				24	12	22.13	
				50	0	22.14	
	2565	21400		1	0	23.19	
				1	49	23.19	
				24	12	22.05	
				50	0	21.96	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2507.5	20825	15	1	0	23.80	
				1	74	23.80	
				40	18	22.97	
				75	0	23.05	
				1	0	23.76	
	2535	21100		1	74	23.76	
				40	18	23.12	
				75	0	23.14	
				1	0	23.72	
				1	74	23.72	
16QAM	2507.5	20825	15	40	18	23.05	
				75	0	22.98	
				1	0	23.04	
				1	74	23.04	
				40	18	21.90	
	2535	21100		75	0	21.99	
				1	0	23.03	
				1	74	23.03	
				40	18	22.11	
				75	0	22.12	
	2562.5	21375		1	0	23.17	
				1	74	23.17	
				40	18	22.03	
				75	0	21.98	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2510	20850	20	1	0	23.89	
				1	99	23.89	
				50	25	23.06	
				100	0	23.14	
				1	0	23.85	
	2535	21100		1	99	23.85	
				50	25	23.21	
				100	0	23.23	
				1	0	23.81	
				1	99	23.81	
16QAM	2510	20850	20	50	25	23.14	
				100	0	23.15	
				1	99	23.15	
				50	25	22.01	
				100	0	22.10	
	2535	21100		1	0	23.14	
				1	99	23.14	
				50	25	22.17	
				100	0	22.18	
				1	0	23.23	
2560	2560	21350		1	99	23.23	
				50	25	22.09	
				100	0	22.04	
				1	0	23.23	
				1	99	23.23	

## 2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
7	2502.5	20775	5	25	0	4.4894	Fig.1	4.4868	Fig.2
	2535	21100		25	0	4.4810	Fig.3	4.4888	Fig.4
	2567.5	21425		25	0	4.4869	Fig.5	4.4962	Fig.6
	2505	20800	10	50	0	8.9658	Fig.7	8.9710	Fig.8
	2535	21100		50	0	8.9642	Fig.9	8.9680	Fig.10
	2565	21400		50	0	8.9721	Fig.11	8.9677	Fig.12
	2507.5	20825	15	75	0	13.441	Fig.13	13.388	Fig.14
	2535	21100		75	0	13.417	Fig.15	13.409	Fig.16
	2562.5	21375		75	0	13.409	Fig.17	13.411	Fig.18
	2510	20850	20	100	0	17.851	Fig.19	17.880	Fig.20
	2535	21100		100	0	17.895	Fig.21	17.882	Fig.22
	2560	21350		100	0	17.831	Fig.23	17.896	Fig.24

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
7	2502.5	20775	5	25	0	5.042	Fig.1	5.045	Fig.2
	2535	21100		25	0	5.092	Fig.3	5.035	Fig.4
	2567.5	21425		25	0	5.002	Fig.5	5.030	Fig.6
	2505	20800	10	50	0	9.860	Fig.7	9.825	Fig.8
	2535	21100		50	0	9.754	Fig.9	9.779	Fig.10
	2565	21400		50	0	9.872	Fig.11	9.764	Fig.12
	2507.5	20825	15	75	0	14.62	Fig.13	14.60	Fig.14
	2535	21100		75	0	14.39	Fig.15	14.44	Fig.16
	2562.5	21375		75	0	14.69	Fig.17	14.40	Fig.18
	2510	20850	20	100	0	19.34	Fig.19	19.27	Fig.20
	2535	21100		100	0	19.37	Fig.21	19.30	Fig.22
	2560	21350		100	0	19.34	Fig.23	19.11	Fig.24

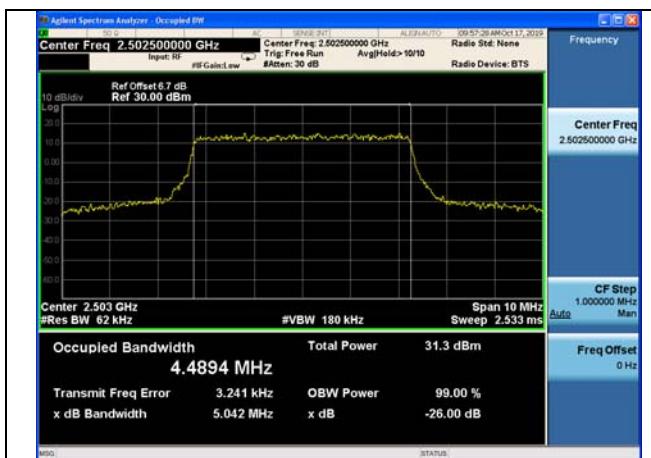


Fig.1

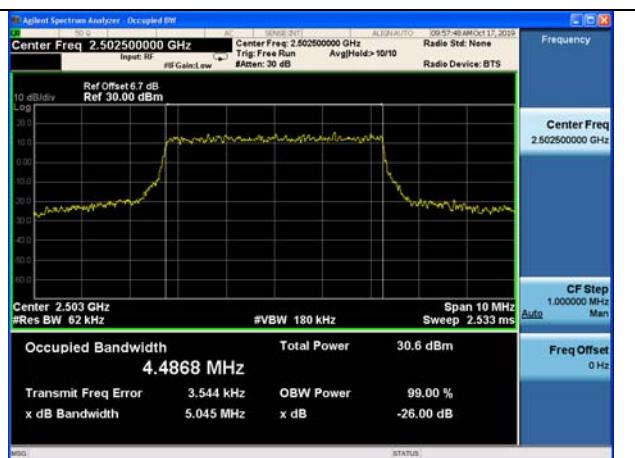


Fig.2

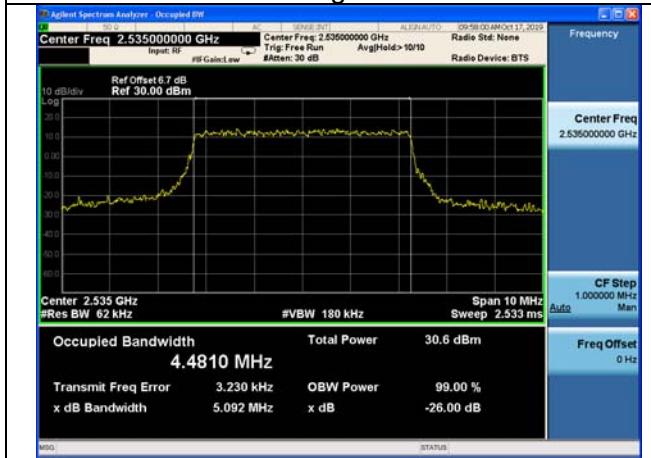


Fig.3



Fig.4



Fig.5

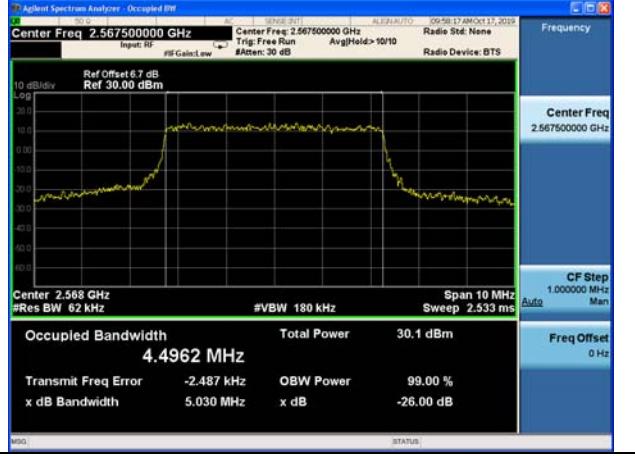


Fig.6

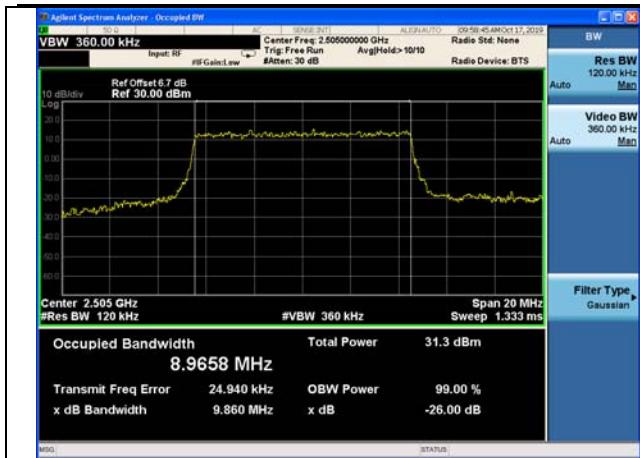


Fig.7



Fig.8

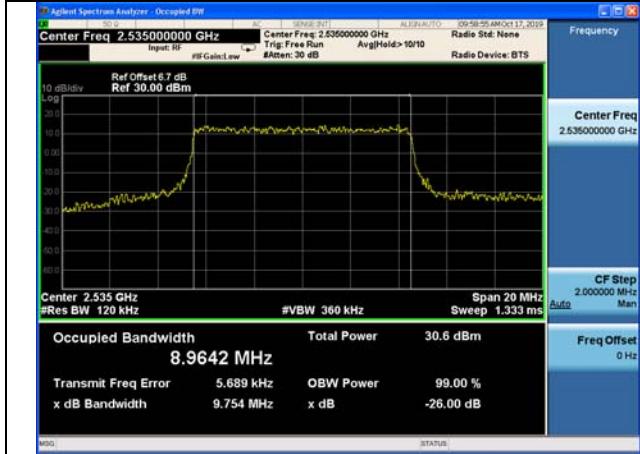


Fig.9

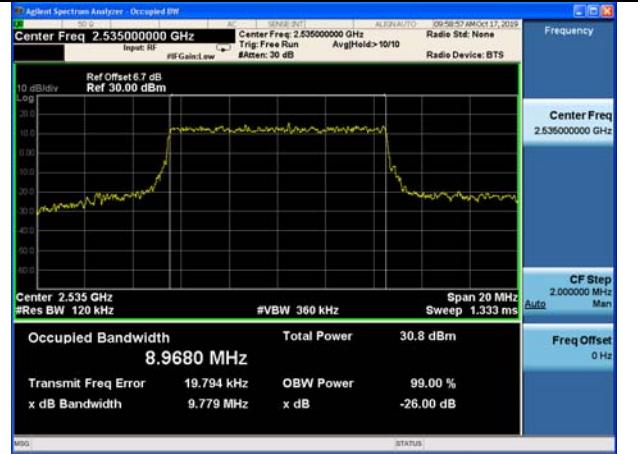


Fig.10

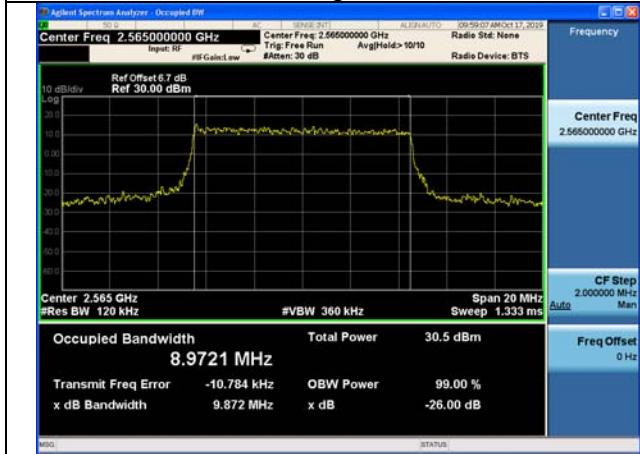


Fig.11

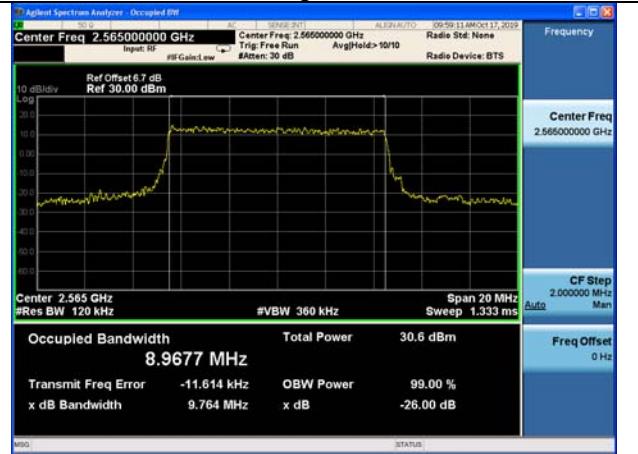


Fig.12

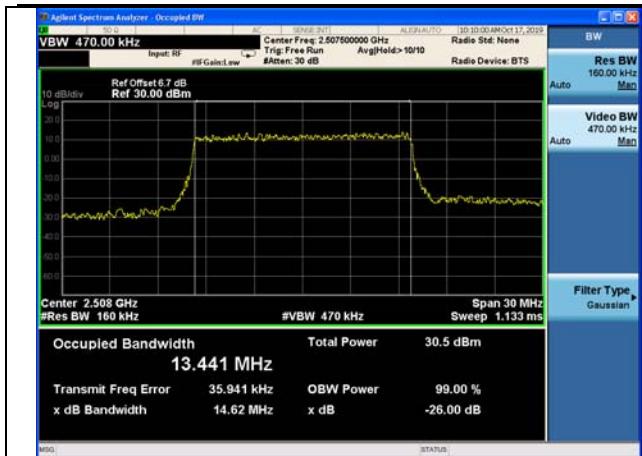


Fig. 13



Fig.14

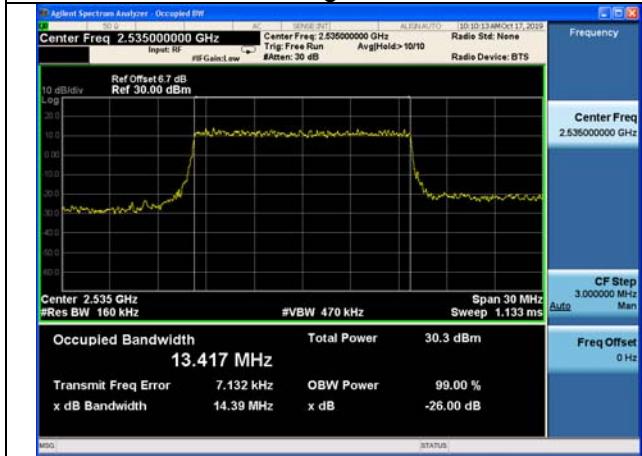
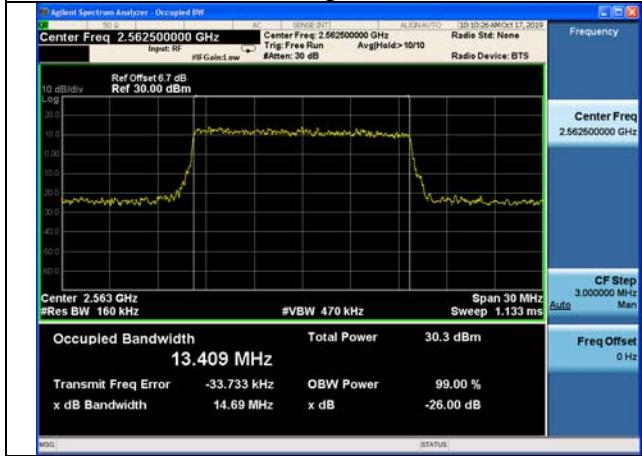


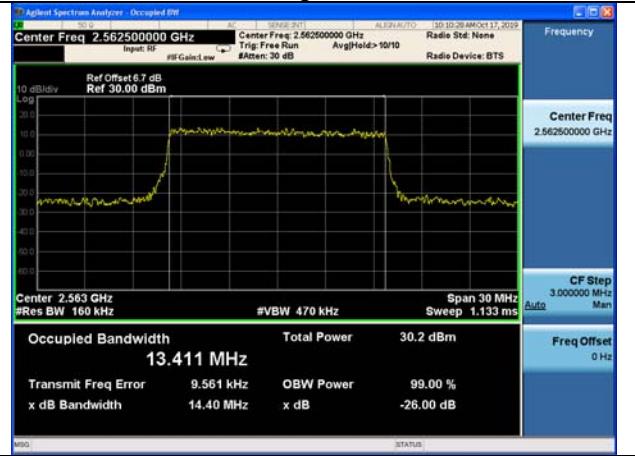
Fig. 15



Fig.16



**Fig.17**



**Fig.18**

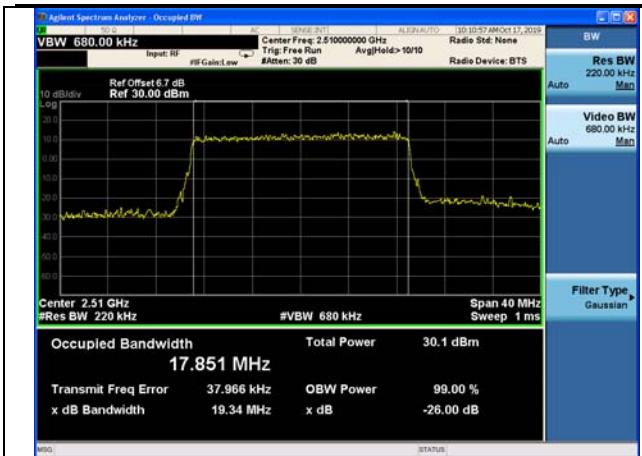


Fig.19



Fig.20

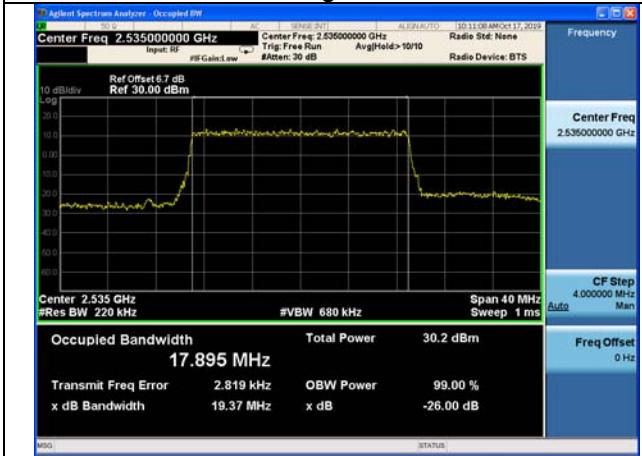


Fig.21



Fig.22

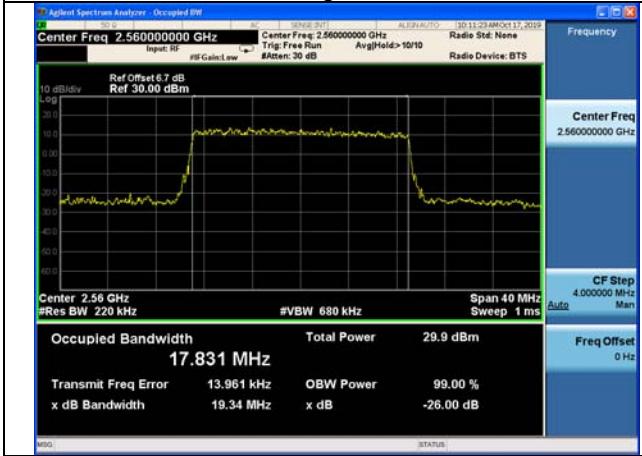


Fig.23



Fig.24

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
7	2535	21100	5	1	0	Fig.1	Fig.2
			10	1	0	Fig.3	Fig.4
			15	1	0	Fig.5	Fig.6
			20	1	0	Fig.7	Fig.8



Fig.1

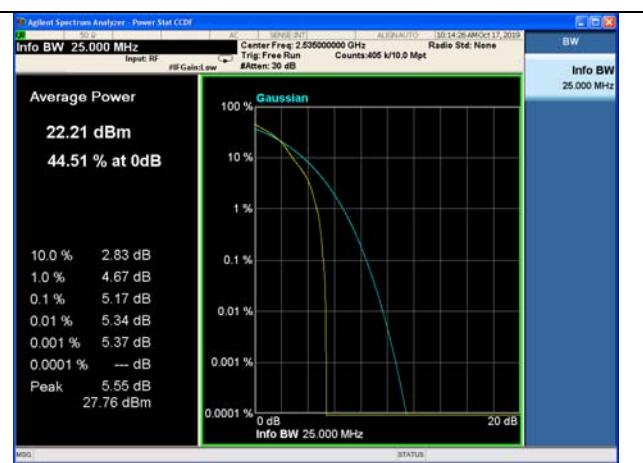


Fig.2



Fig.3

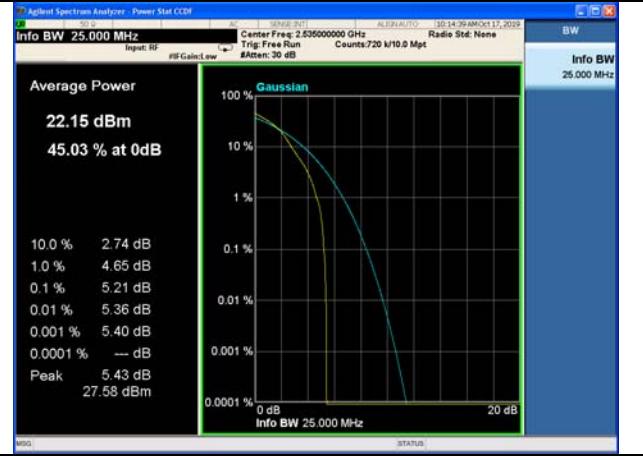


Fig.4

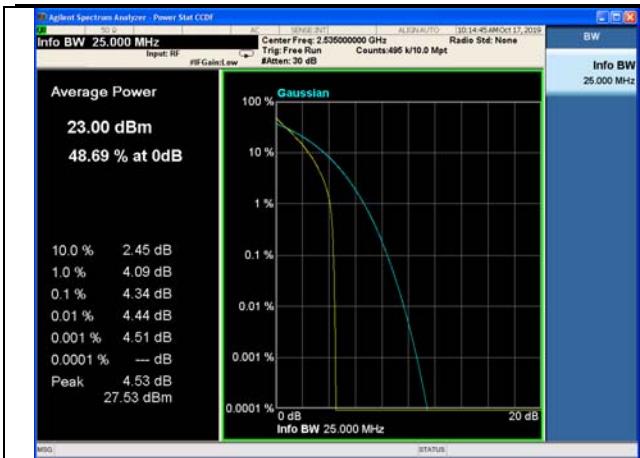


Fig.5



Fig.6



Fig.7

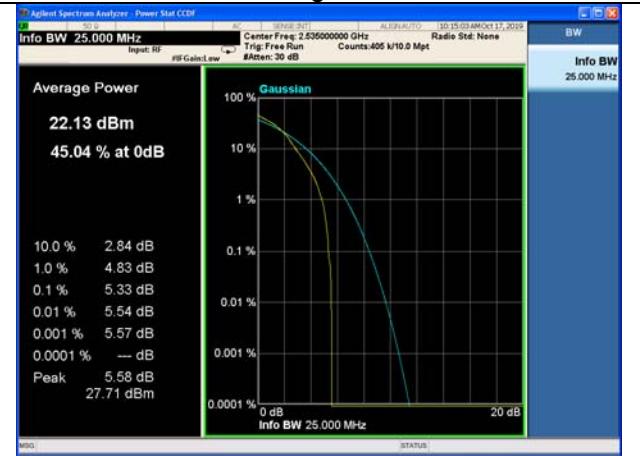


Fig.8

#### 4 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
	2535	21100	20	1	0	Fig.2
	2560	21350	20	1	0	Fig.3

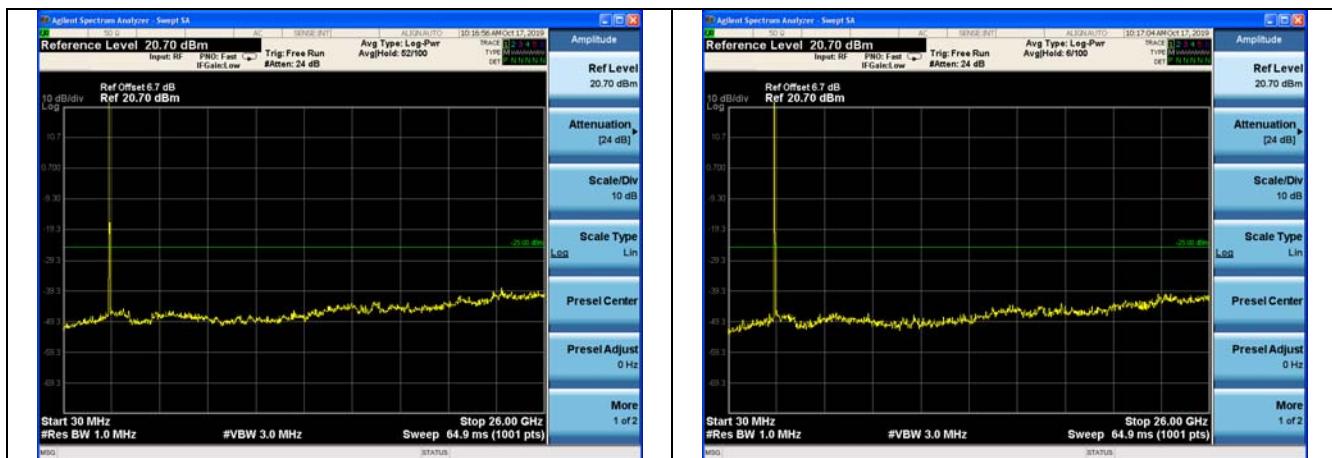


Fig.1

Fig.2



Fig3

## 5 Band Edges Compliance

Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
7	2502.5	20775	5	1	0	Fig.1	
				25	0	Fig.2	
	2567.5	21425	10	1	24	Fig.9	
				25	0	Fig.10	
	2505	20800		1	0	Fig.3	
				50	0	Fig.4	
	2565	21400		1	49	Fig.11	
				50	0	Fig.12	
	2507.5	20825	15	1	0	Fig.5	
				75	0	Fig.6	
	2562.5	21375		1	74	Fig.13	
				75	0	Fig.14	
2510	20850	20	1	0	0	Fig.7	
				100	0	Fig.8	
	2560	21350		1	99	Fig.15	
				100	0	Fig.16	

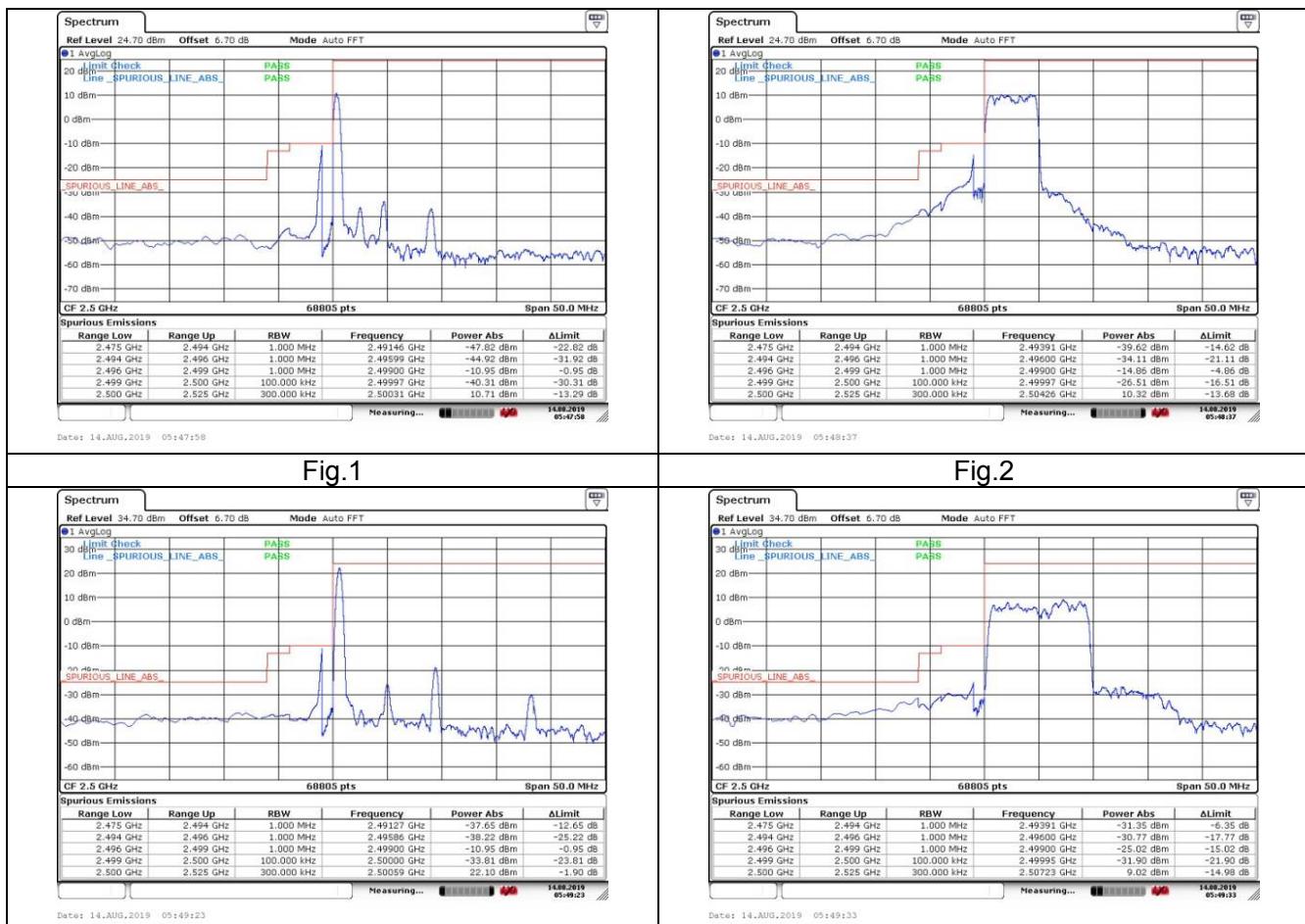
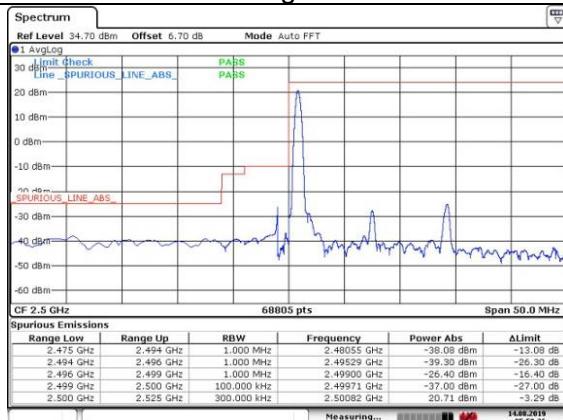
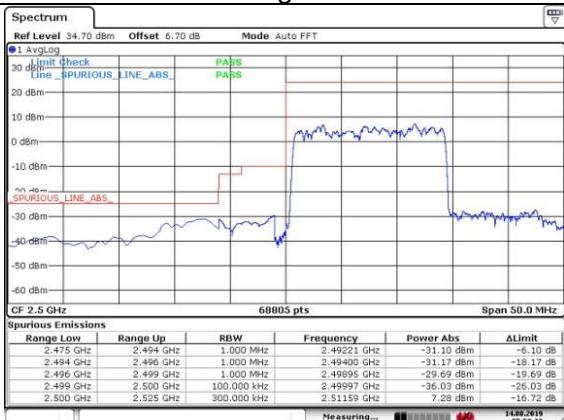


Fig.3



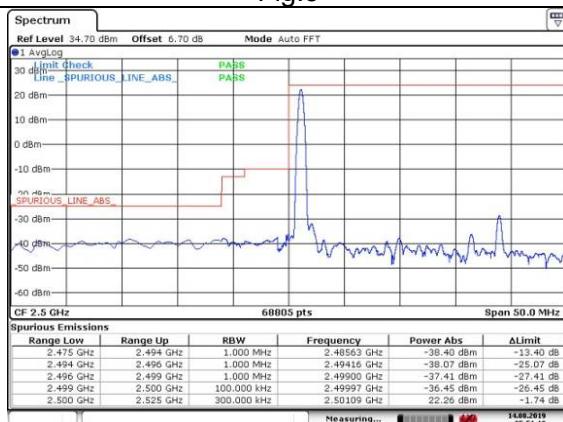
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Fig.4



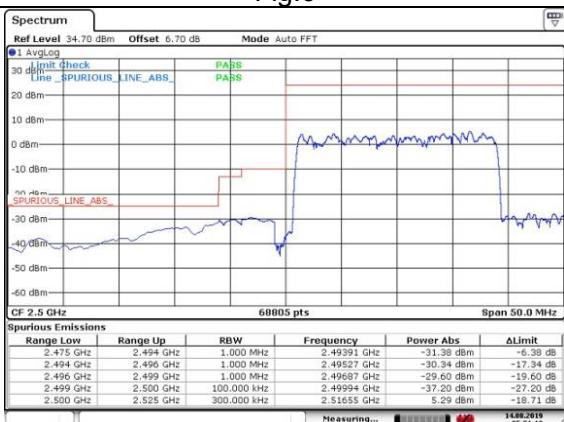
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Fig.5



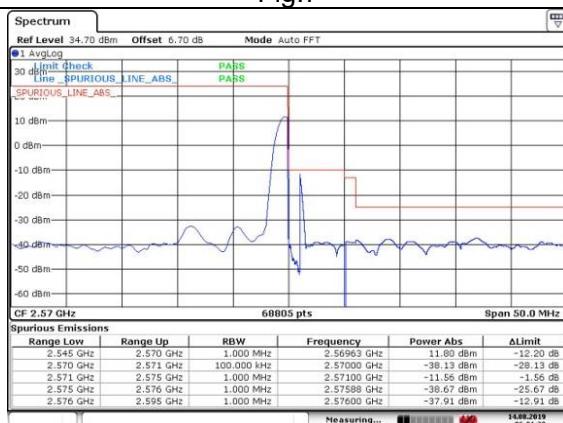
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Fig.6



Date: 14.AUG.2019 05:51:19

Fig.7



Date: 14.AUG.2019 06:01:37

Fig.8



Date: 14.AUG.2019 06:01:38

Fig.9

Fig.10

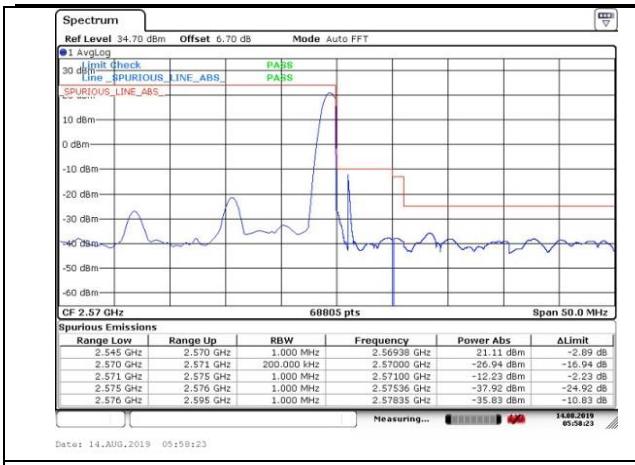


Fig.11



Fig.12

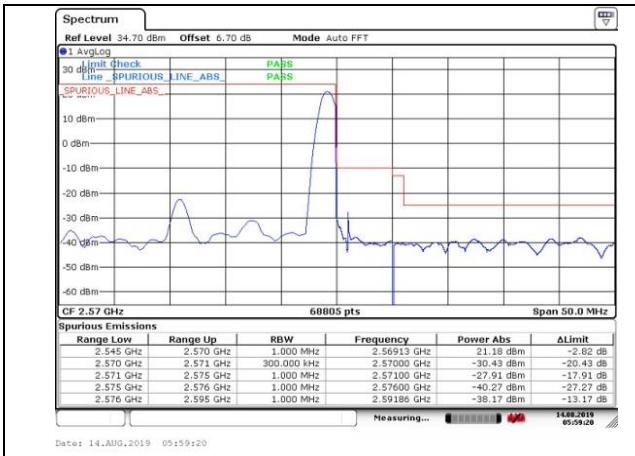


Fig.13

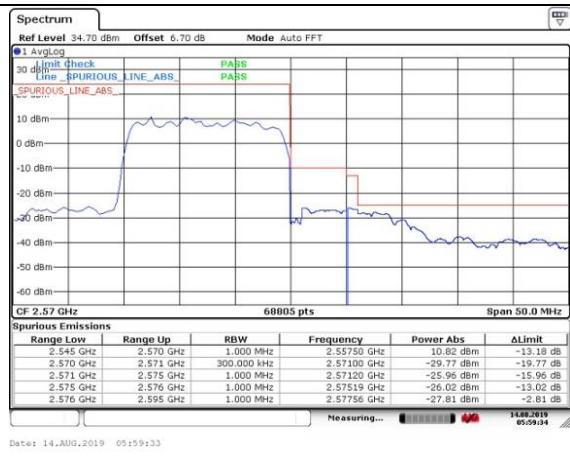


Fig.14

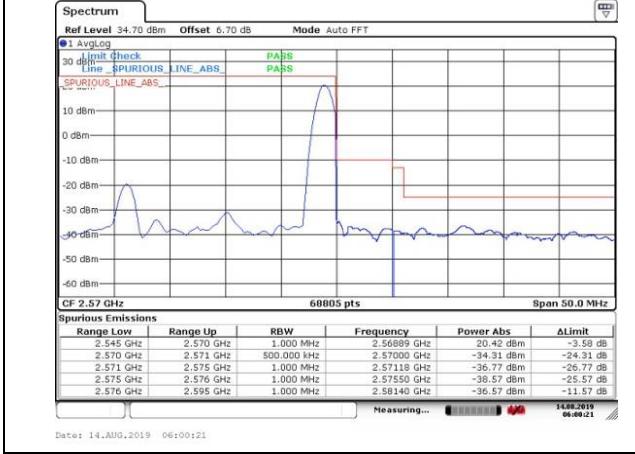


Fig.15

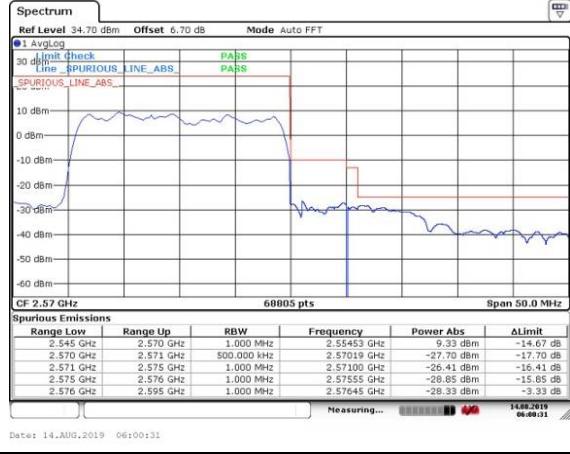


Fig.16

## 6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel			
		5M	10M	15M	20M
0	NV	0.042	0.036	-0.064	0.093
+10	NV	0.065	-0.038	-0.027	0.095
+20	NV	-0.023	0.012	-0.067	-0.014
+30	NV	0.007	0.025	-0.028	-0.050
+40	NV	-0.089	-0.050	-0.049	0.066
+50	NV	-0.070	-0.056	-0.005	-0.068
+20	LV	0.005	0.088	0.019	0.009
+20	HV	0.042	0.036	-0.064	0.093

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel			
		5M	10M	15M	20M
0	NV	-0.098	0.091	-0.049	0.064
+10	NV	0.095	0.033	-0.048	-0.042
+20	NV	0.045	-0.004	0.099	0.091
+30	NV	0.012	-0.053	-0.024	0.003
+40	NV	0.063	-0.040	-0.009	0.025
+50	NV	0.078	0.065	-0.098	-0.072
+20	LV	-0.039	-0.095	-0.011	0.043
+20	HV	-0.098	0.091	-0.049	0.064

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	699.7	23017	1.4	1	0	23.79	
				1	5	23.79	
				3	2	22.84	
				6	0	22.94	
	707.5	23095		1	0	23.74	
				1	5	23.74	
				3	2	22.90	
				6	0	22.99	
	715.3	23173		1	0	23.78	
				1	5	23.78	
				3	2	22.88	
				6	0	22.93	
16QAM	699.7	23017		1	0	22.98	
				1	5	22.98	
				3	2	21.80	
				6	0	21.90	
	707.5	23095		1	0	23.03	
				1	5	23.03	
				3	2	21.88	
				6	0	21.93	
	715.3	23173		1	0	23.02	
				1	5	23.02	
				3	2	21.73	
				6	0	21.77	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	700.5	23025	3	1	0	23.68	
				1	14	23.68	
				8	4	22.73	
				15	0	22.83	
	707.5	23095		1	0	23.63	
				1	14	23.63	
				8	4	22.79	
				15	0	22.88	
	714.5	23165		1	0	23.67	
				1	14	23.67	
				8	4	22.79	
				15	0	22.80	
16QAM	700.5	23025	3	1	0	22.85	
				1	14	22.85	
				8	4	21.67	
				15	0	21.77	
	707.5	23095		1	0	22.90	
				1	14	22.90	
				8	4	21.75	
				15	0	21.80	
	714.5	23165		1	0	22.89	
				1	14	22.89	
				8	4	21.73	
				15	0	21.77	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	701.5	23035	5	1	0	23.72	
				1	24	23.72	
				12	6	22.77	
				25	0	22.87	
	707.5	23095		1	0	23.67	
				1	24	23.67	
				12	6	22.83	
				25	0	22.92	
	713.5	23155		1	0	23.71	
				1	24	23.71	
				12	6	22.83	
				25	0	22.86	
16QAM	701.5	23035	5	1	0	22.91	
				1	24	22.91	
				12	6	21.73	
				25	0	21.83	
	707.5	23095		1	0	22.96	
				1	24	22.96	
				12	6	21.86	
				25	0	21.91	
	713.5	23155		1	0	23.00	
				1	24	23.00	
				12	6	21.84	
				25	0	21.88	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	704	23060	10	1	0	23.81	
				1	49	23.81	
				24	12	22.86	
				50	0	22.96	
	707.5	23095		1	0	23.76	
				1	49	23.76	
				24	12	22.92	
				50	0	23.01	
	711	23130		1	0	23.80	
				1	49	23.80	
				24	12	22.92	
				50	0	22.97	
16QAM	704	23060	10	1	0	23.02	
				1	49	23.02	
				24	12	21.84	
				50	0	21.94	
	707.5	23095		1	0	23.07	
				1	49	23.07	
				24	12	21.92	
				50	0	21.97	
	711	23130		1	0	23.06	
				1	49	23.06	
				24	12	21.90	
				50	0	21.94	

## 2 Occupied Bandwidth

Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.0779	Fig.1	1.0801	Fig.2
	707.5	23095		6	0	1.0827	Fig.3	1.0816	Fig.4
	715.3	23173		6	0	1.0798	Fig.5	1.0788	Fig.6
	700.5	23025	3	15	0	2.6804	Fig.7	2.6808	Fig.8
	707.5	23095		15	0	2.6792	Fig.9	2.6861	Fig.10
	714.5	23165		15	0	2.6876	Fig.11	2.6855	Fig.12
	701.5	23035	5	25	0	4.4726	Fig.13	4.4896	Fig.14
	707.5	23095		25	0	4.4856	Fig.15	4.4942	Fig.16
	713.5	23155		25	0	4.4785	Fig.17	4.4818	Fig.18
	704	23060	10	50	0	8.9460	Fig.19	8.9536	Fig.20
	707.5	23095		50	0	8.9581	Fig.21	8.9355	Fig.22
	711	23130		50	0	8.9881	Fig.23	8.9507	Fig.24

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
12	699.7	23017	1.4	6	0	1.232	Fig.1	1.230	Fig.2
	707.5	23095		6	0	1.241	Fig.3	1.226	Fig.4
	715.3	23173		6	0	1.231	Fig.5	1.216	Fig.6
	700.5	23025	3	15	0	2.895	Fig.7	2.885	Fig.8
	707.5	23095		15	0	2.884	Fig.9	2.901	Fig.10
	714.5	23165		15	0	2.885	Fig.11	2.886	Fig.12
	701.5	23035	5	25	0	4.980	Fig.13	4.970	Fig.14
	707.5	23095		25	0	5.050	Fig.15	4.990	Fig.16
	713.5	23155		25	0	5.011	Fig.17	5.083	Fig.18
	704	23060	10	50	0	9.815	Fig.19	9.697	Fig.20
	707.5	23095		50	0	9.843	Fig.21	9.983	Fig.22
	711	23130		50	0	9.780	Fig.23	9.720	Fig.24

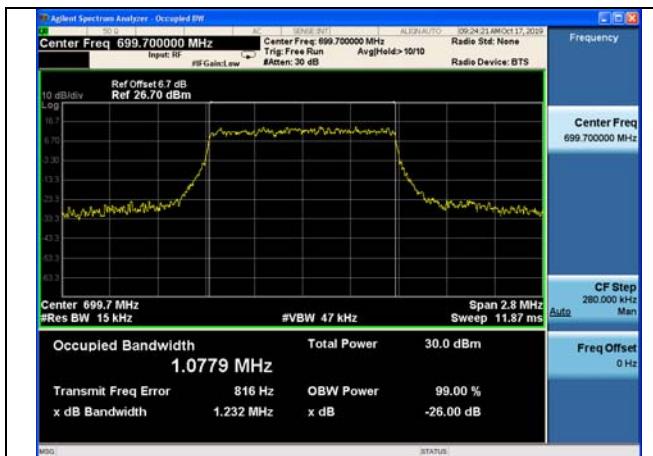


Fig.1

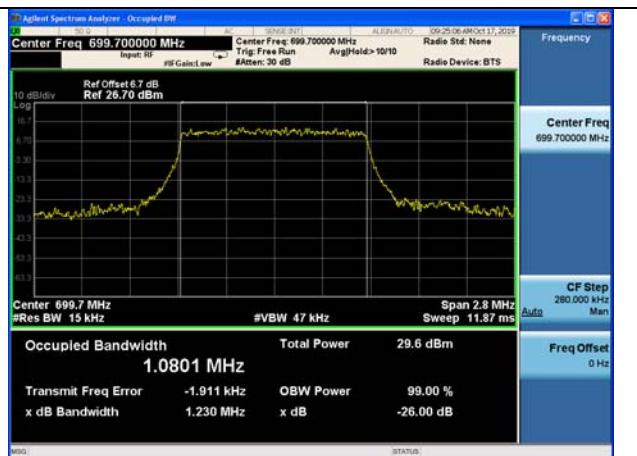


Fig.2

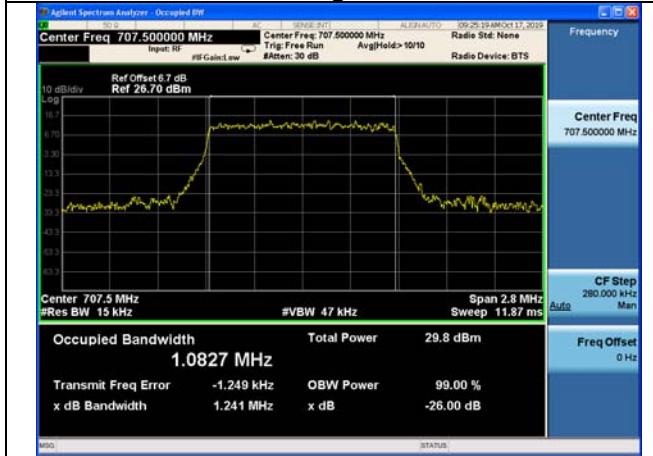


Fig.3

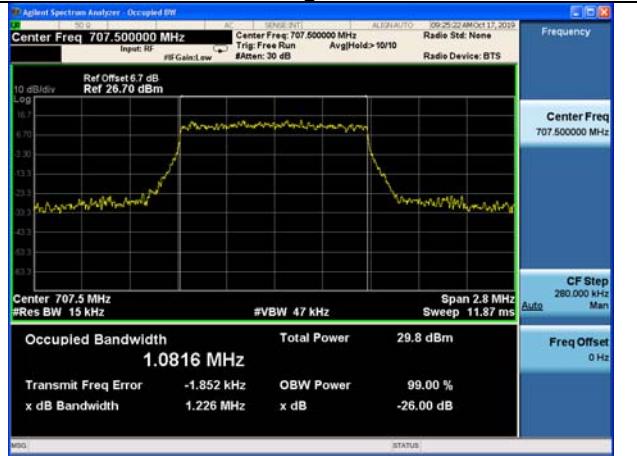


Fig.4

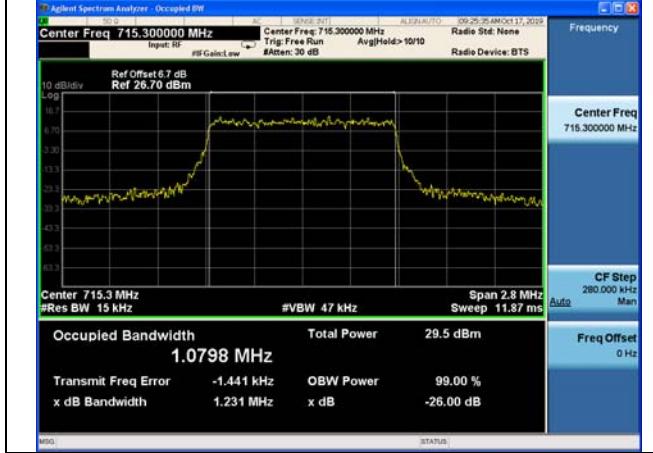


Fig.5

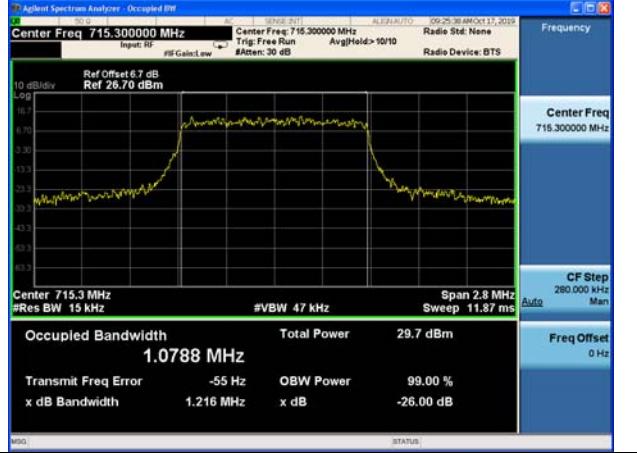


Fig.6

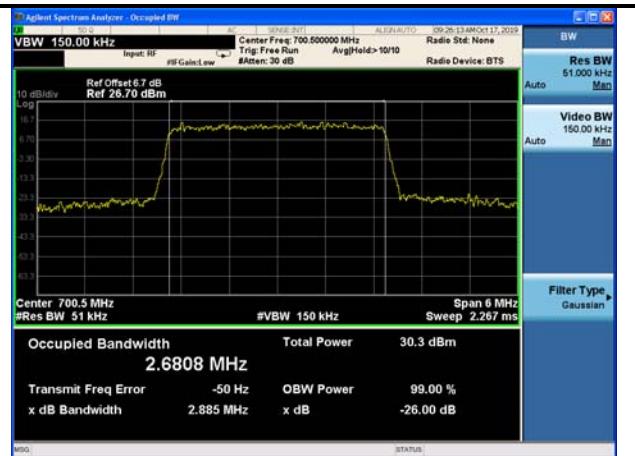
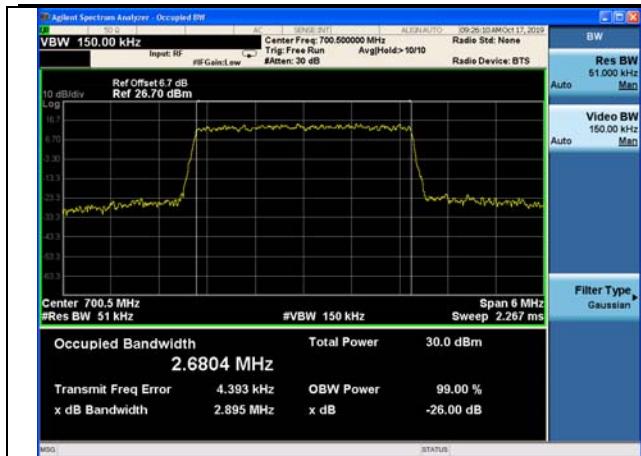


Fig.7

Fig.8

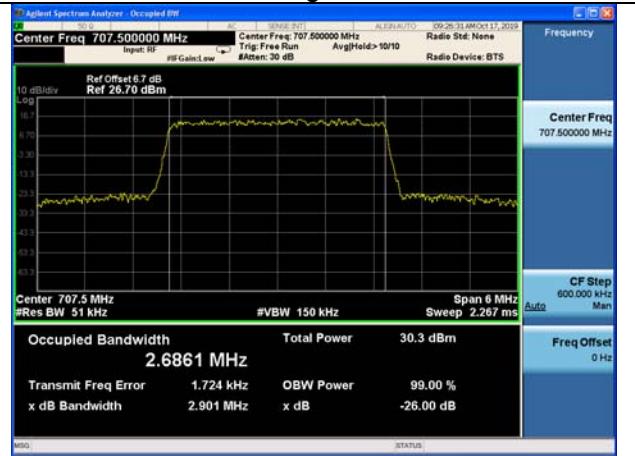
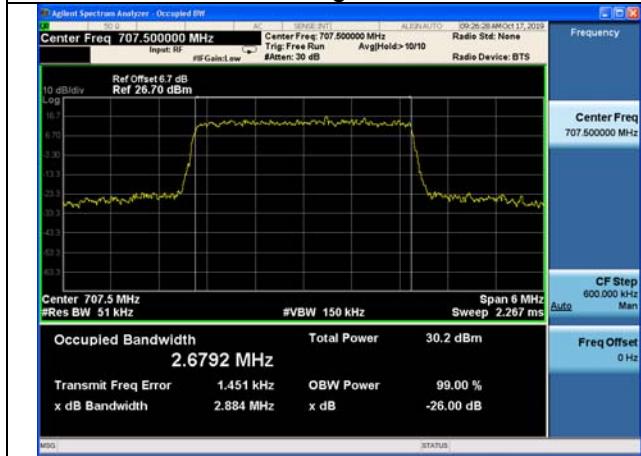


Fig.9

Fig.10

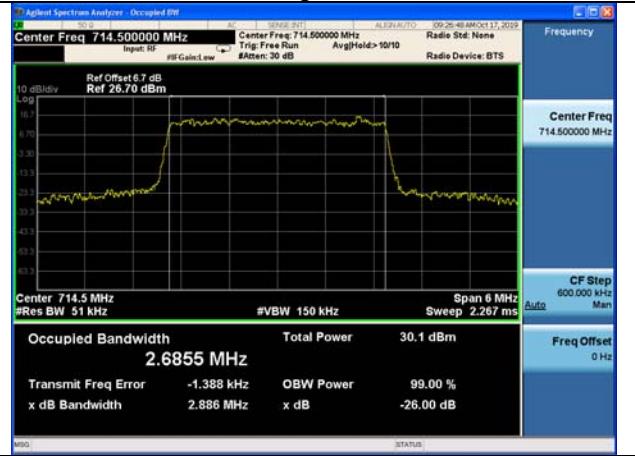
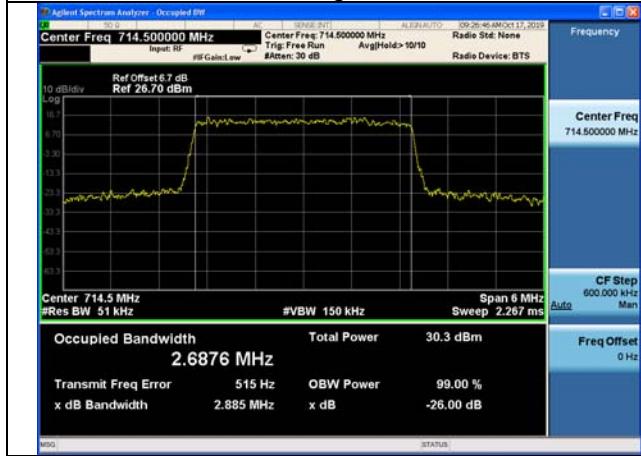


Fig.11

Fig.12

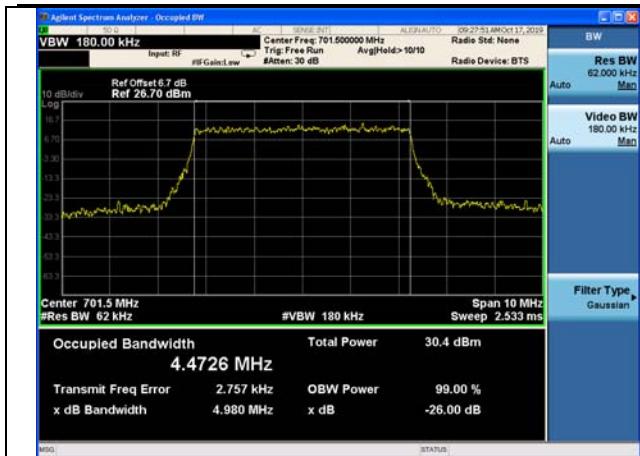


Fig.13



Fig.14

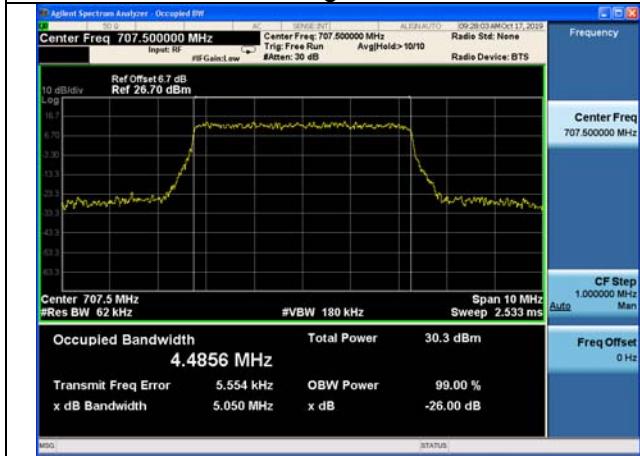


Fig.15

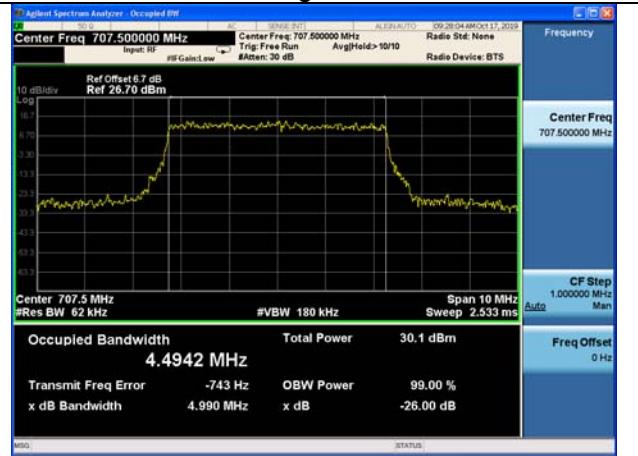


Fig.16

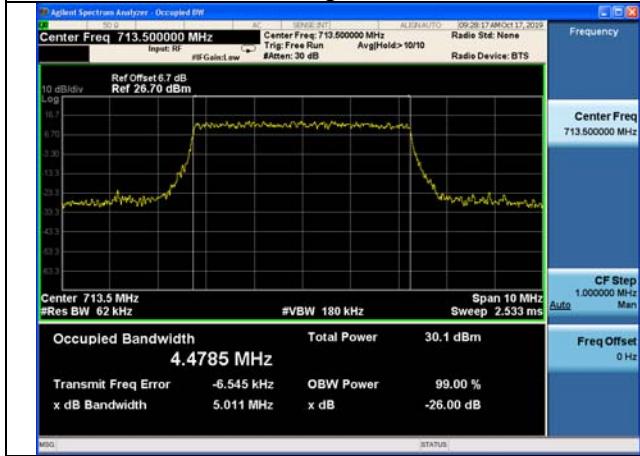


Fig.17

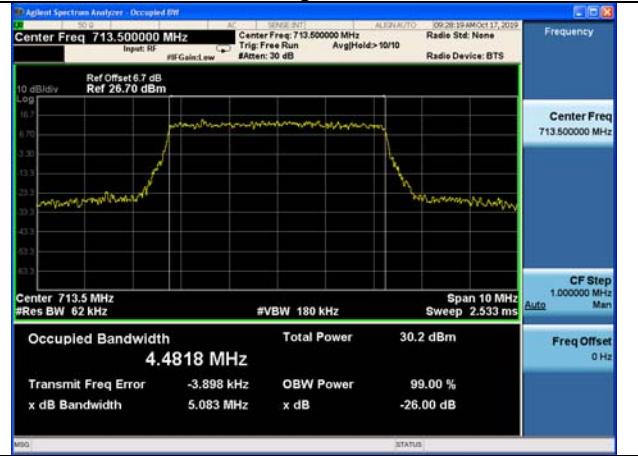


Fig.18

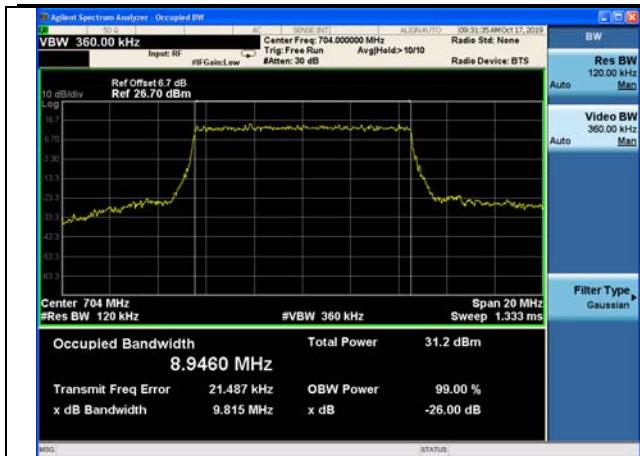


Fig.19



Fig.20

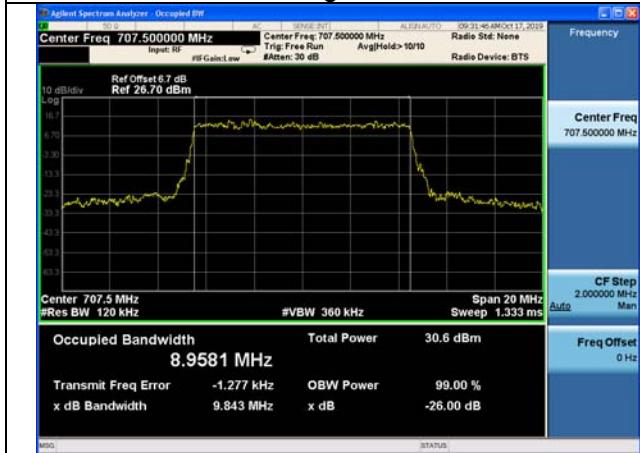


Fig.21



Fig.22

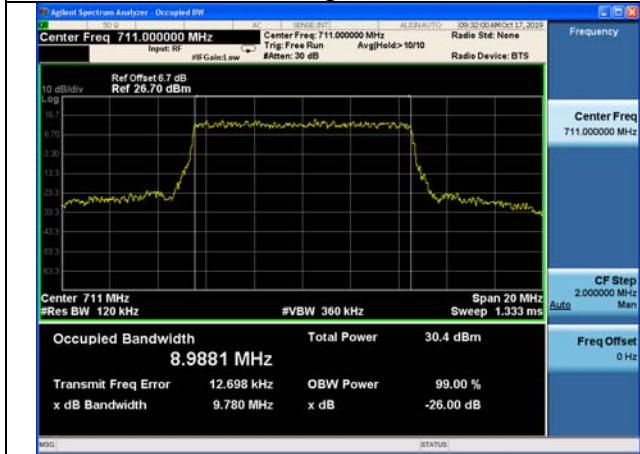


Fig.23

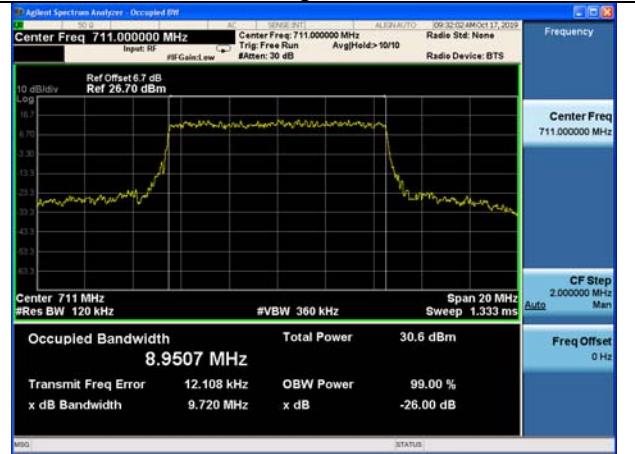


Fig.24

### 3 Peak-Average Ratio

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



Fig.1

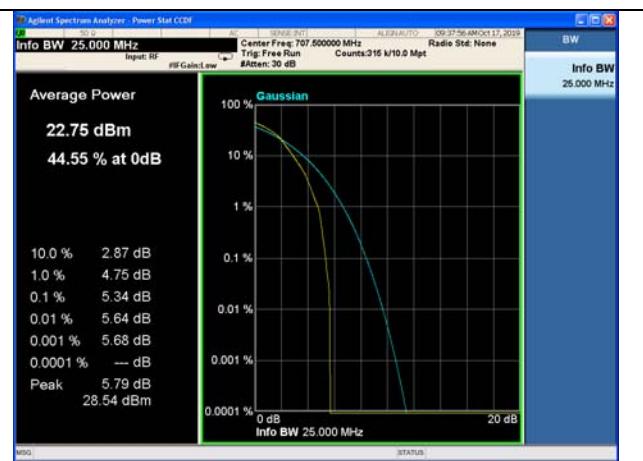


Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7

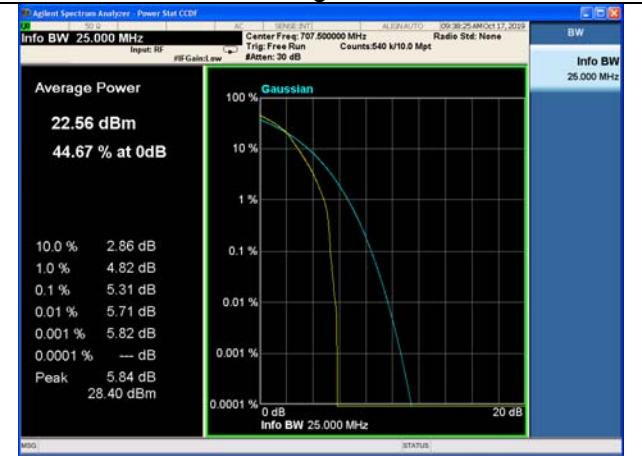


Fig.8

#### 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