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		1	24	Fig.9
				25	0	Fig.10
	2505	20800	10	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	Fig.7
				100	0	Fig.8
	2560	21350		1	99	Fig.15
				100	0	Fig.16

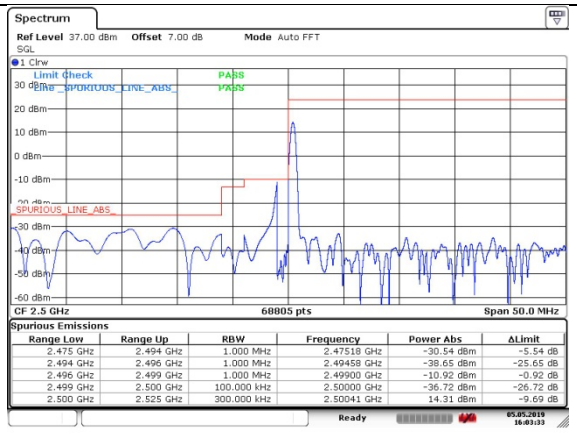


Fig.1

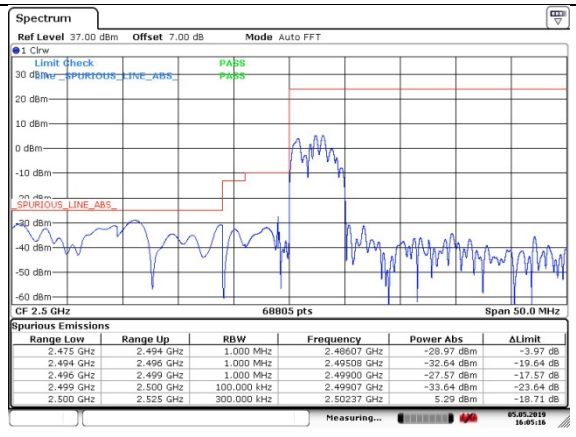
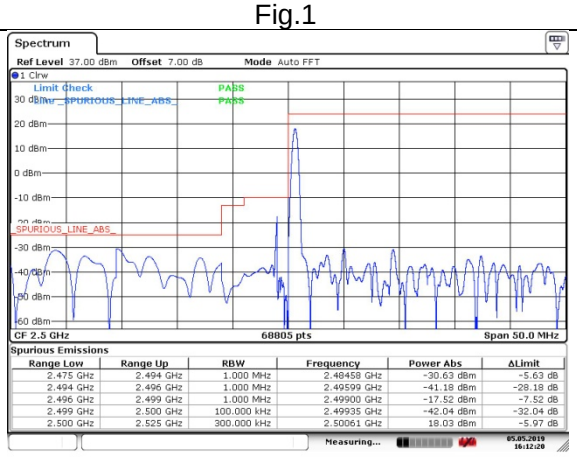


Fig.2



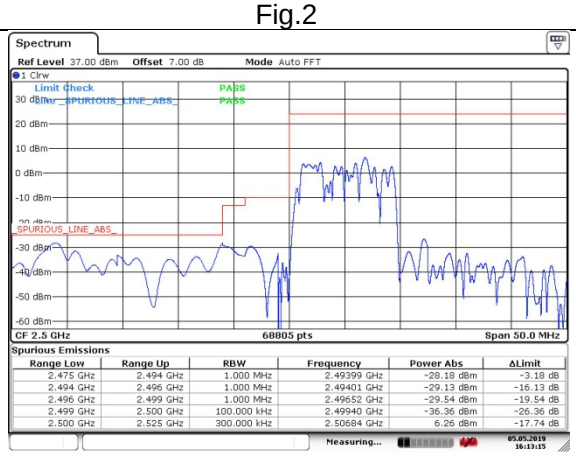


Fig.3

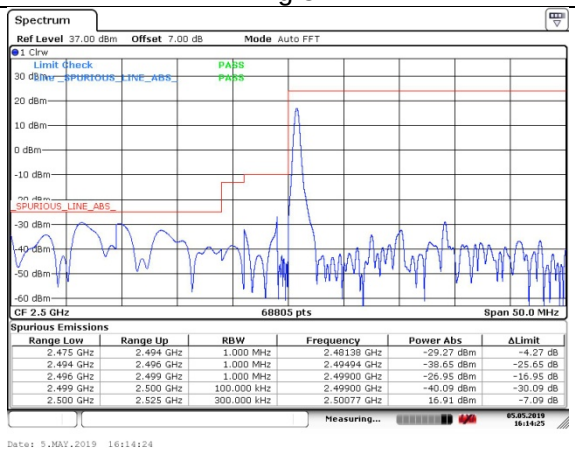


Fig.4

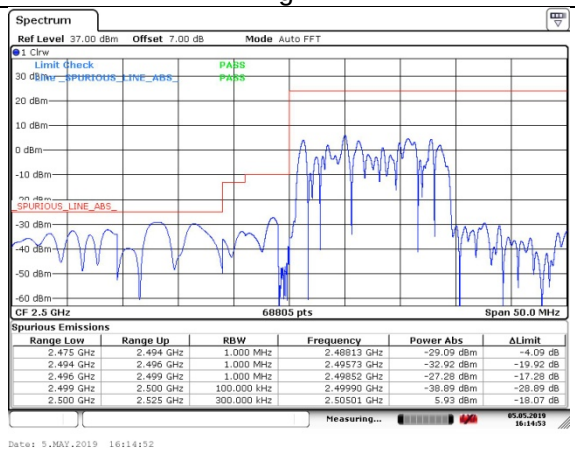


Fig.5

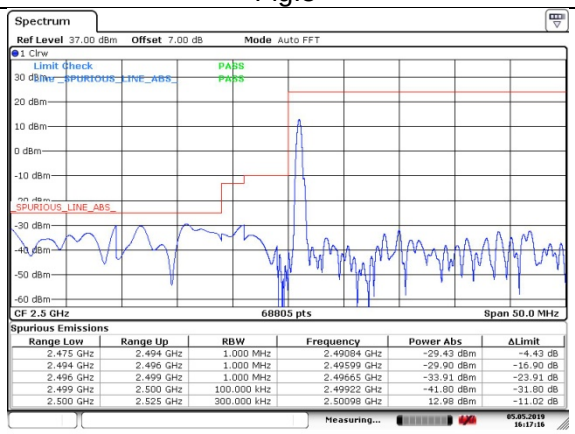


Fig.6

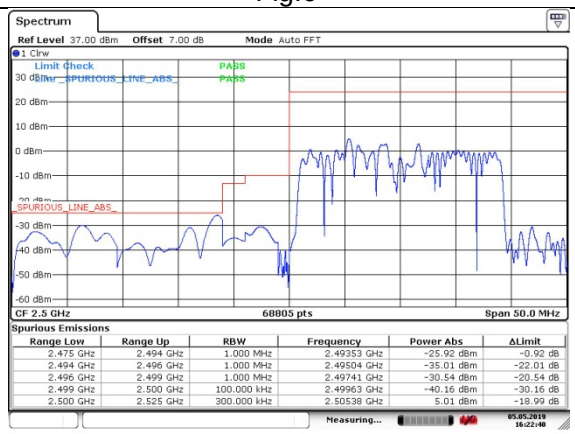


Fig.7

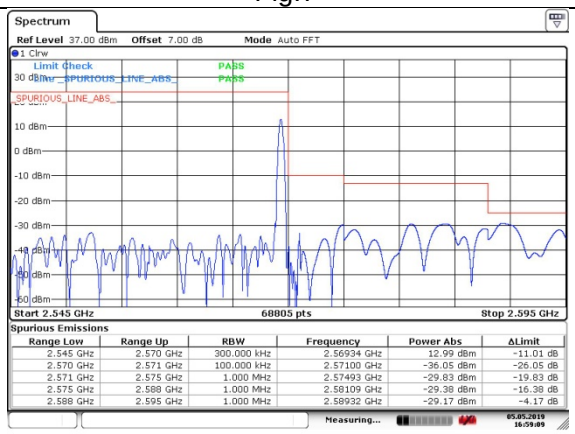


Fig.8

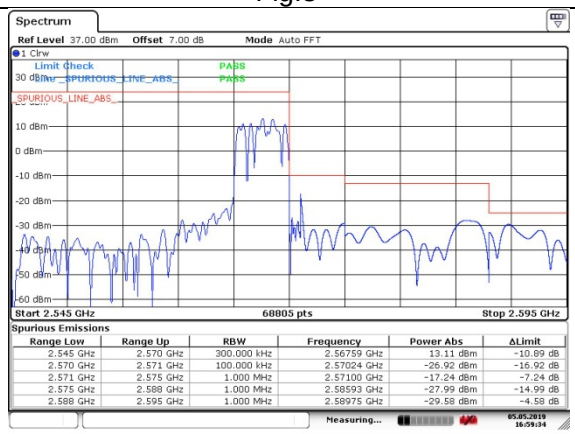


Fig.9

Fig.10

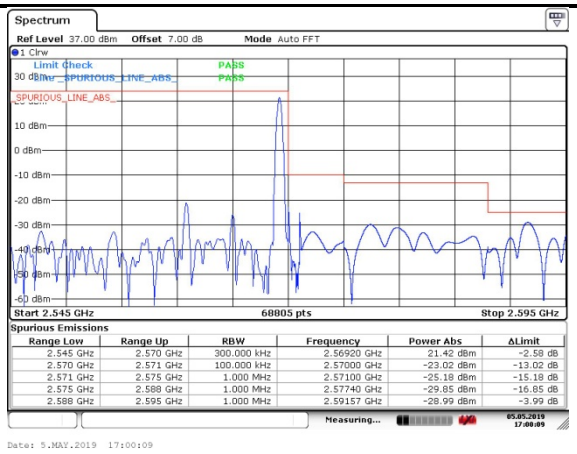


Fig.11

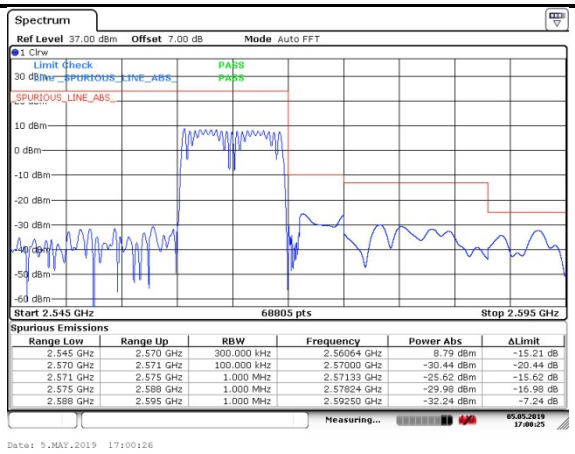


Fig.12

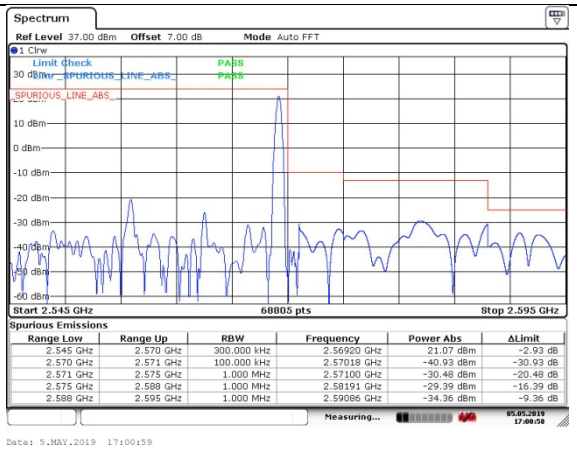


Fig.13

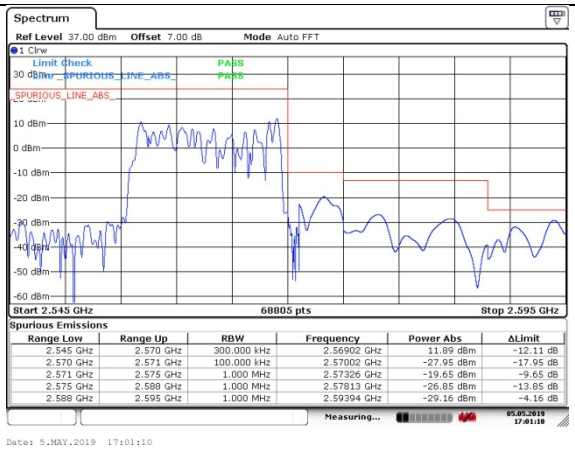


Fig.14

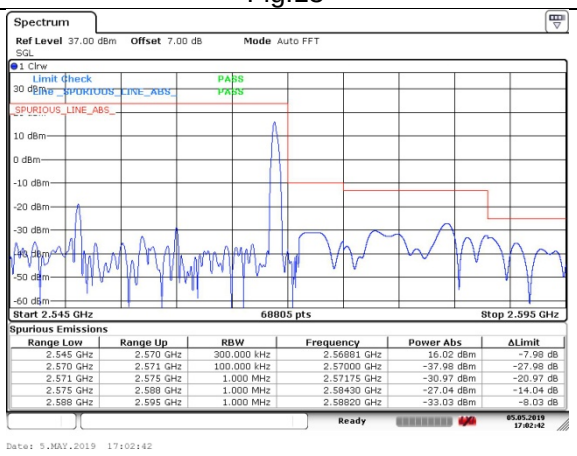


Fig.15

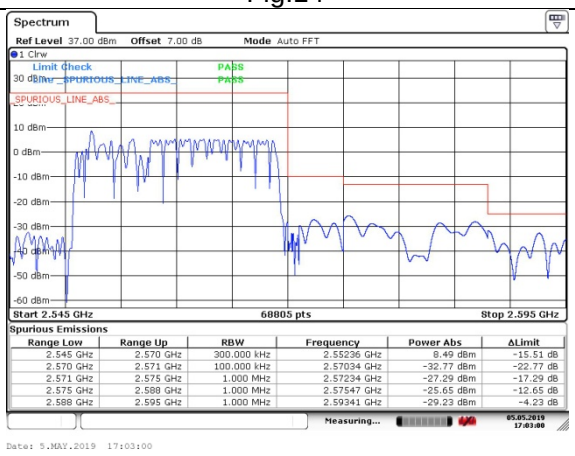


Fig.16

6 Frequency Stability

Test result:

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel			
		5M	10M	15M	20M
-10	NV	0.157	0.079	0.096	0.061
0	NV	0.100	0.059	0.040	0.005
+10	NV	0.038	0.102	0.062	0.081
+20	NV	0.004	0.049	0.067	0.068
+30	NV	0.039	0.075	0.055	0.097
+40	NV	0.054	0.051	0.009	0.065
+50	NV	0.118	0.070	0.072	0.080
+55	NV	0.072	0.082	0.042	0.085
+20	LV	0.062	0.038	0.002	0.089
+20	HV	0.126	0.005	0.042	0.031

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel			
		5M	10M	15M	20M
-10	NV	0.109	0.073	0.082	0.026
0	NV	0.021	0.021	0.049	0.014
+10	NV	0.091	0.125	0.031	0.007
+20	NV	0.074	0.078	0.034	0.139
+30	NV	0.007	0.056	0.027	0.047
+40	NV	0.099	0.113	0.113	0.028
+50	NV	0.086	0.108	0.067	0.004
+55	NV	0.090	0.052	0.065	0.007
+20	LV	0.009	0.055	0.044	0.095
+20	HV	0.088	0.073	0.089	0.045

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 38

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2572.5	37775	5	1	0	23.51
				1	24	23.50
				12	6	22.71
				25	0	22.56
	2595	38000		1	0	23.61
				1	24	23.59
				12	6	22.80
				25	0	22.55
	2617.5	38225		1	0	23.49
				1	24	23.47
				12	6	22.73
				25	0	22.55
16QAM	2572.5	37775	5	1	0	22.58
				1	24	22.64
				12	6	21.73
				25	0	21.25
	2595	38000		1	0	22.61
				1	24	22.61
				12	6	21.75
				25	0	21.33
	2617.5	38225		1	0	22.62
				1	24	22.59
				12	6	21.68
				25	0	21.26
64QAM	2572.5	37775	5	1	0	22.50
				1	24	22.53
				12	6	21.66
				25	0	21.27
	2595	38000		1	0	22.60
				1	24	22.65
				12	6	21.66
				25	0	21.24
	2617.5	38225		1	0	22.49
				1	24	22.62
				12	6	21.64
				25	0	21.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2575	37800	10	1	0	23.55
				1	49	23.50
				24	12	22.68
				50	0	22.51
	2595	38000		1	0	23.58
				1	49	23.61
				24	12	22.81
				50	0	22.50
	2615	38200		1	0	23.52
				1	49	23.51
				24	12	22.68
				50	0	22.58
16QAM	2575	37800	10	1	0	22.54
				1	49	22.58
				24	12	21.72
				50	0	21.25
	2595	38000		1	0	22.65
				1	49	22.66
				24	12	21.70
				50	0	21.31
	2615	38200		1	0	22.63
				1	49	22.59
				24	12	21.63
				50	0	21.26
64QAM	2575	37800	10	1	0	22.56
				1	49	22.55
				24	12	21.60
				50	0	21.30
	2595	38000		1	0	22.58
				1	49	22.62
				24	12	21.66
				50	0	21.29
	2615	38200		1	0	22.56
				1	49	22.58
				24	12	21.69
				50	0	21.28

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2577.5	37825	15	1	0	23.49
				1	74	23.48
				40	18	22.69
				75	0	22.50
	2595	38000		1	0	23.57
				1	74	23.54
				40	18	22.73
				75	0	22.57
	2612.5	38175		1	0	23.45
				1	74	23.52
				40	18	22.73
				75	0	22.52
16QAM	2577.5	37825	15	1	0	22.59
				1	74	22.59
				40	18	21.72
				75	0	21.18
	2595	38000		1	0	22.69
				1	74	22.67
				40	18	21.69
				75	0	21.32
	2612.5	38175		1	0	22.63
				1	74	22.58
				40	18	21.68
				75	0	21.27
64QAM	2577.5	37825	15	1	0	22.56
				1	74	22.52
				40	18	21.65
				75	0	21.24
	2595	38000		1	0	22.59
				1	74	22.60
				40	18	21.64
				75	0	21.27
	2612.5	38175		1	0	22.59
				1	74	22.62
				40	18	21.68
				75	0	21.31

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2580	37850	20	1	0	23.57
				1	99	23.57
				50	25	22.76
				100	0	22.56
	2595	38000		1	0	23.62
				1	99	23.62
				50	25	22.82
				100	0	22.59
	2610	38150		1	0	23.55
				1	99	23.55
				50	25	22.73
				100	0	22.59
16QAM	2580	37850	20	1	0	22.62
				1	99	22.66
				50	25	21.78
				100	0	21.26
	2595	38000		1	0	22.69
				1	99	22.69
				50	25	21.78
				100	0	21.34
	2610	38150		1	0	22.65
				1	99	22.61
				50	25	21.71
				100	0	21.29
64QAM	2580	37850	20	1	0	22.60
				1	99	22.61
				50	25	21.67
				100	0	21.30
	2595	38000		1	0	22.67
				1	99	22.67
				50	25	21.72
				100	0	21.33
	2610	38150		1	0	22.59
				1	99	22.65
				50	25	21.72
				100	0	21.32

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	
38	2572.5	37775	5	25	0	4.5	Fig.1	4.5	Fig.2	4.5	Fig.3
	2595	38000		25	0	4.5	Fig.4	4.5	Fig.5	4.5	Fig.6
	2617.5	38225		25	0	4.5	Fig.7	4.5	Fig.8	4.5	Fig.9
	2575	37800	10	50	0	9.0	Fig.10	9.0	Fig.11	9.0	Fig.12
	2595	38000		50	0	9.0	Fig.13	9.0	Fig.14	9.0	Fig.15
	2615	38200		50	0	9.0	Fig.16	9.0	Fig.17	9.0	Fig.18
	2577.5	37825	15	75	0	13.4	Fig.19	13.4	Fig.20	13.4	Fig.21
	2595	38000		75	0	13.4	Fig.22	13.4	Fig.23	13.4	Fig.24
	2612.5	38175		75	0	13.4	Fig.25	13.4	Fig.26	13.4	Fig.27
	2580	37850	20	100	0	17.9	Fig.28	17.9	Fig.29	17.9	Fig.30
	2595	38000		100	0	17.9	Fig.31	17.9	Fig.32	17.9	Fig.33
	2610	38150		100	0	17.9	Fig.34	17.9	Fig.35	17.9	Fig.36

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
38	2572.5	37775	5	25	0	4.9	Fig.1	4.8	Fig.2	4.8	Fig.3
	2595	38000		25	0	4.8	Fig.4	4.8	Fig.5	4.8	Fig.6
	2617.5	38225		25	0	4.8	Fig.7	4.8	Fig.8	4.9	Fig.9
	2575	37800	10	50	0	9.8	Fig.10	9.8	Fig.11	9.7	Fig.12
	2595	38000		50	0	9.9	Fig.13	9.8	Fig.14	9.9	Fig.15
	2615	38200		50	0	9.96	Fig.16	9.9	Fig.17	9.7	Fig.18
	2577.5	37825	15	75	0	14.3	Fig.19	14.3	Fig.20	14.0	Fig.21
	2595	38000		75	0	14.4	Fig.22	14.0	Fig.23	14.1	Fig.24
	2612.5	38175		75	0	14.9	Fig.25	14.2	Fig.26	14.0	Fig.27
	2580	37850	20	100	0	19.4	Fig.28	19.2	Fig.29	18.9	Fig.30
	2595	38000		100	0	19.1	Fig.31	19.1	Fig.32	19.0	Fig.33

	2610	38150		100	0	19.2	Fig.34	19.1	Fig.35	19.1	Fig.36

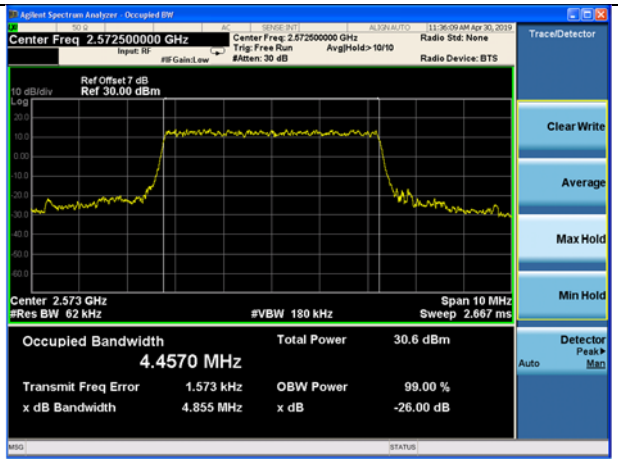


Fig.1

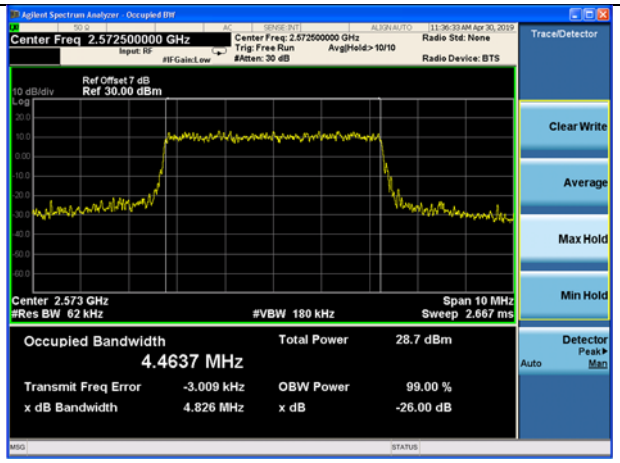


Fig.2

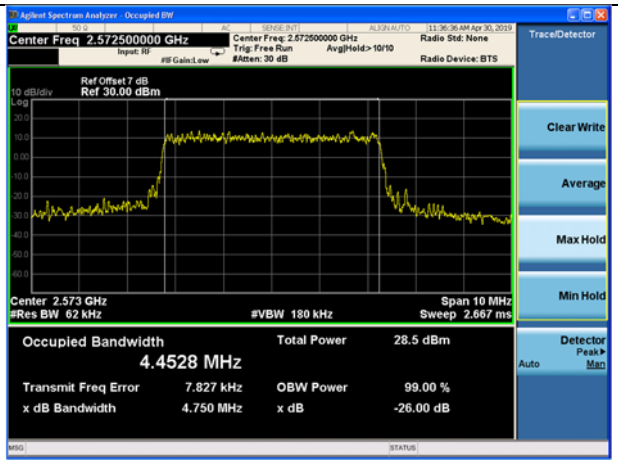


Fig.3

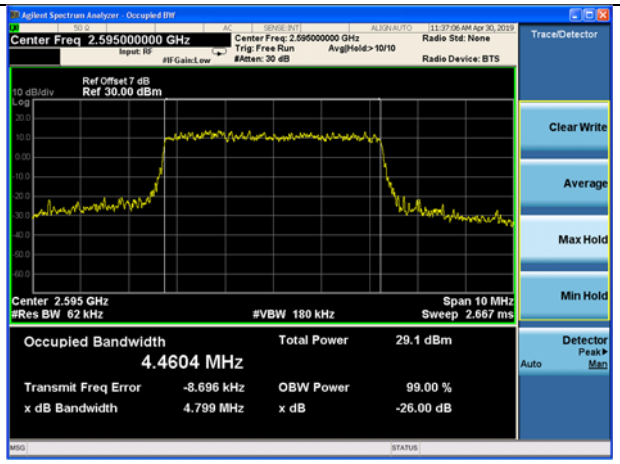


Fig.4

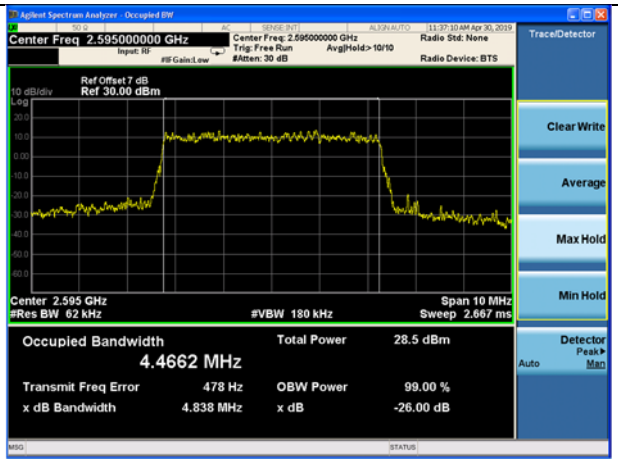


Fig.5

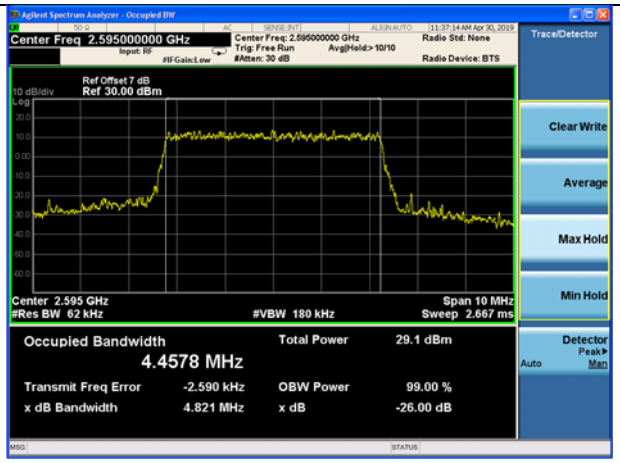


Fig.6

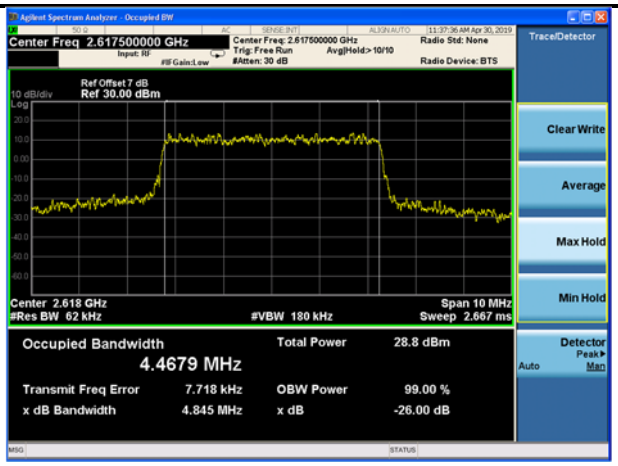


Fig.7

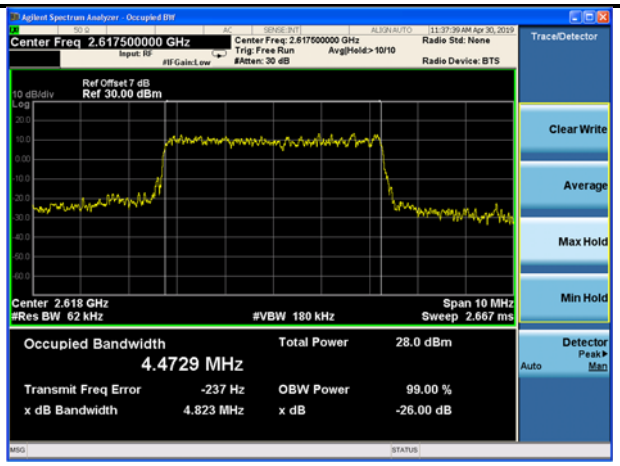


Fig.8

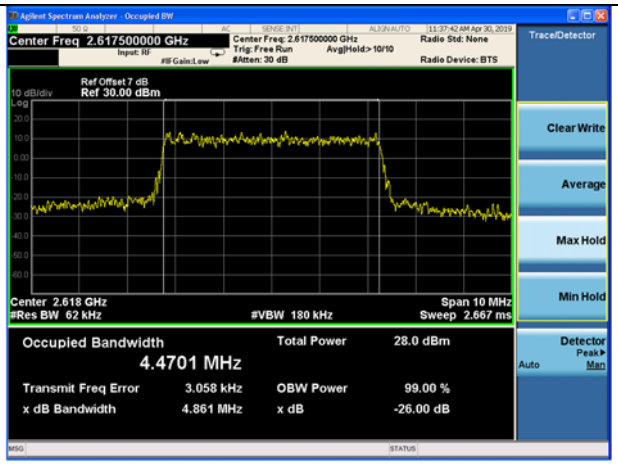


Fig.9

Fig.10

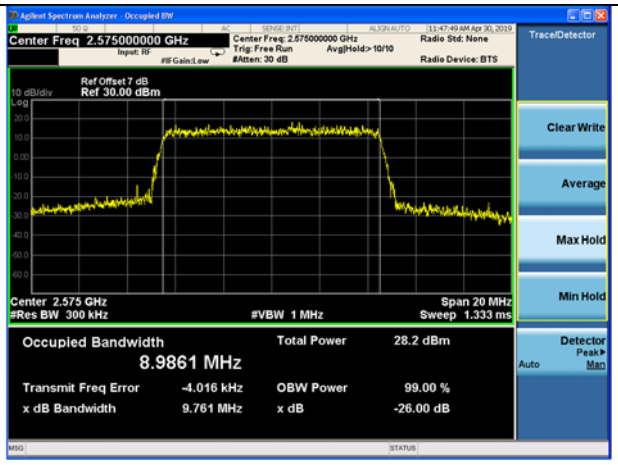


Fig.11

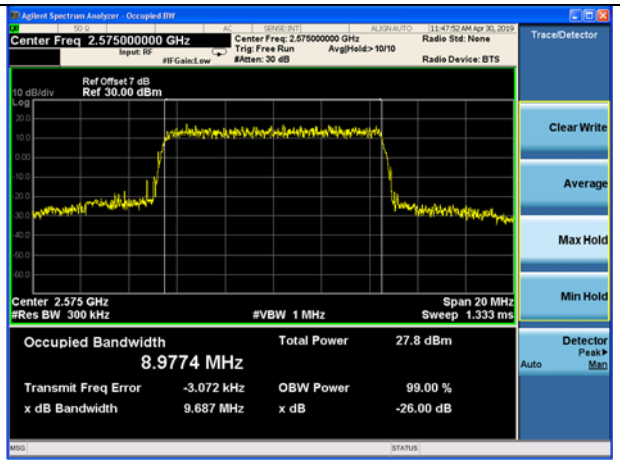


Fig.12

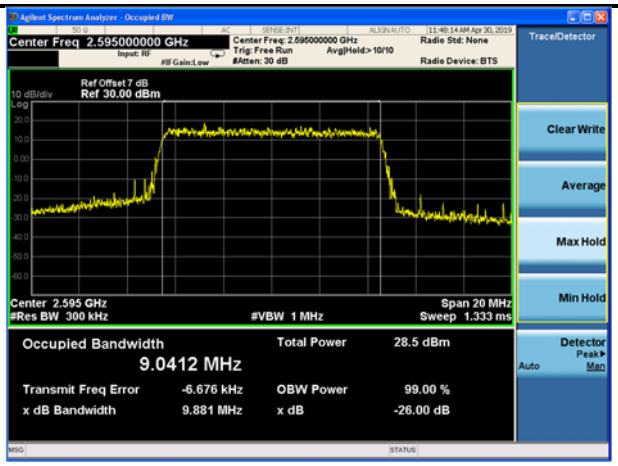


Fig.13

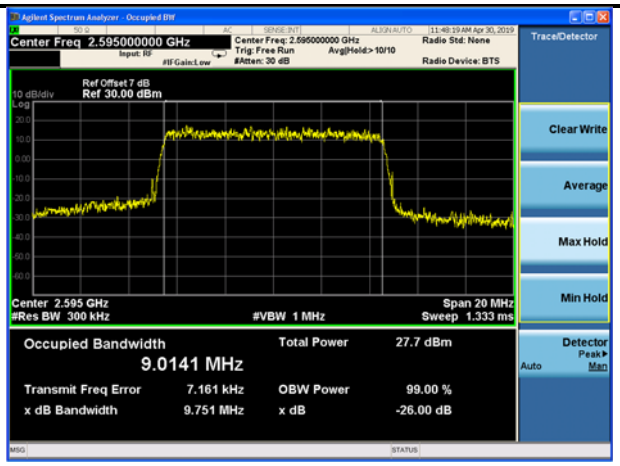


Fig.14

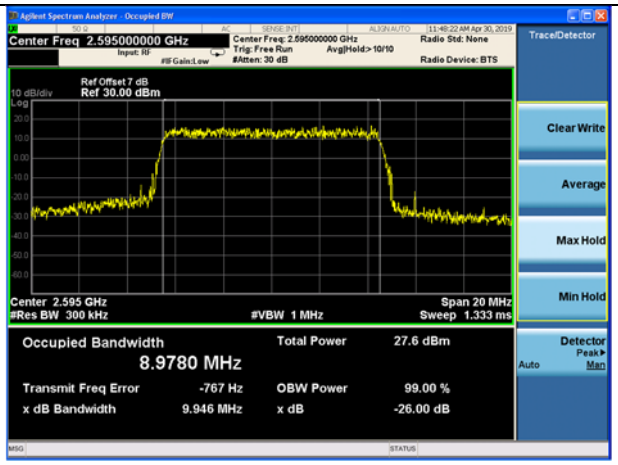


Fig.15

Fig.16

Fig.17

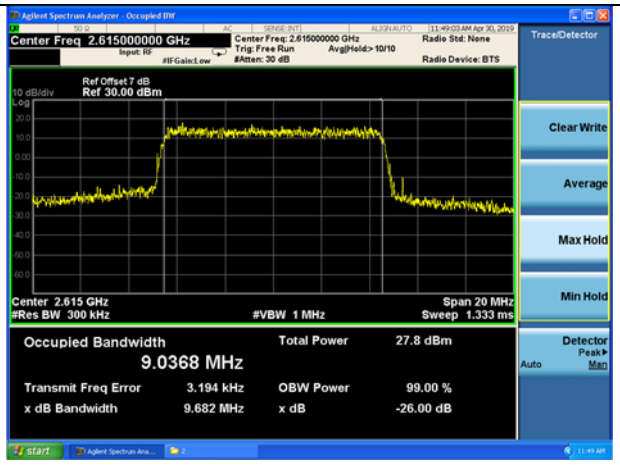


Fig.18

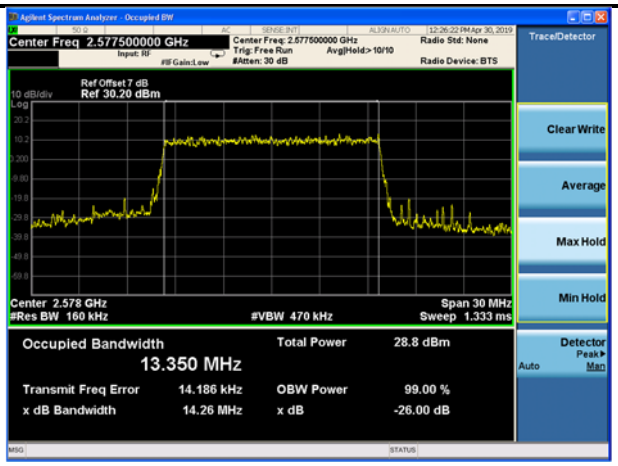


Fig.19

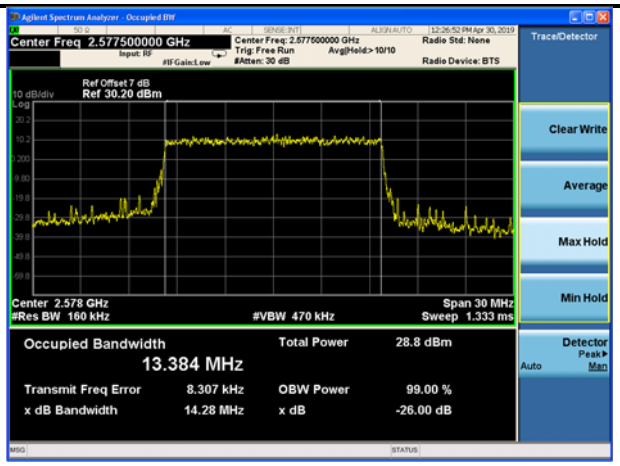


Fig.20

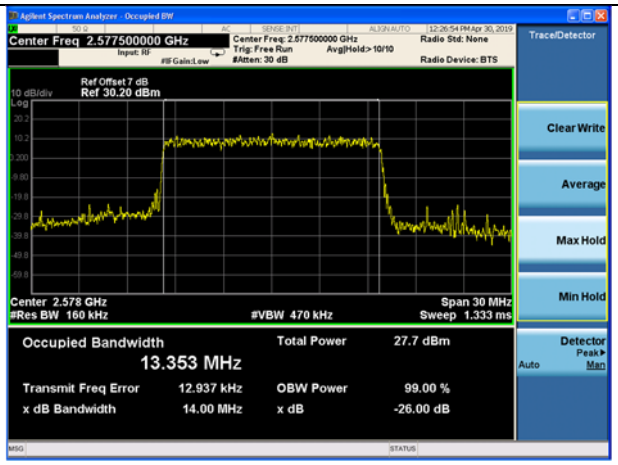


Fig.21

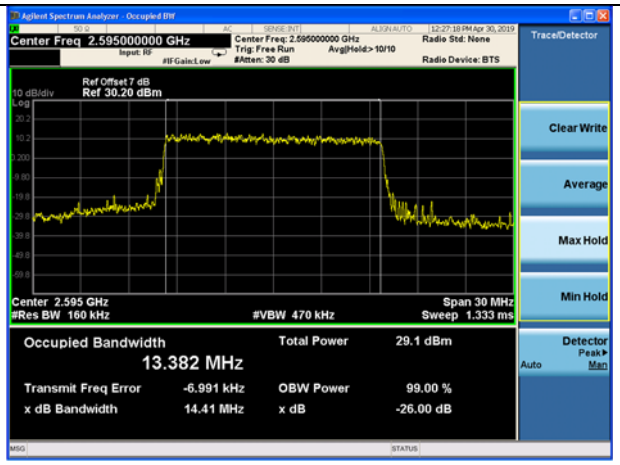


Fig.22

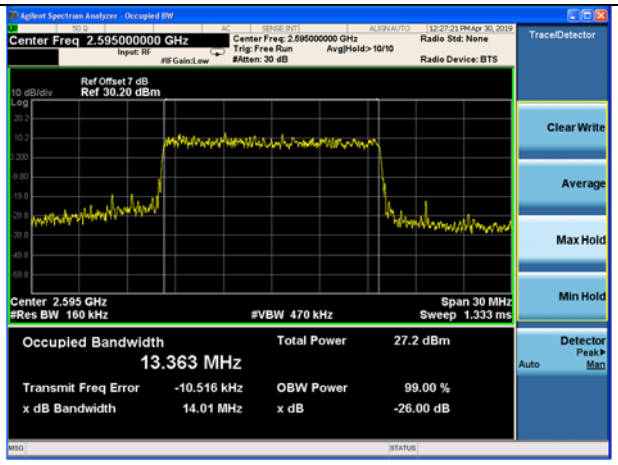


Fig.23

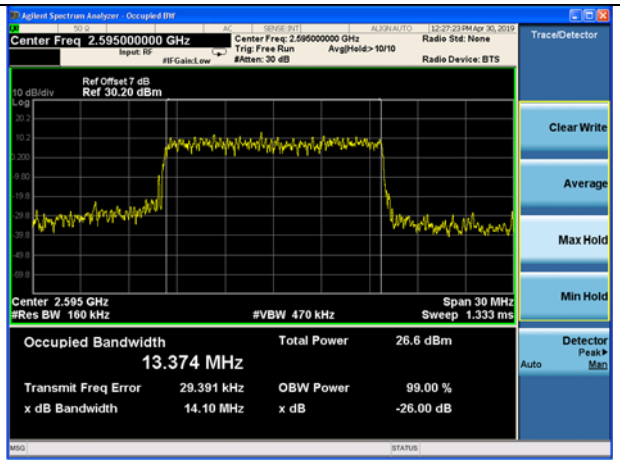


Fig.24