

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

		Conducted Power (dBm)			
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2687.5 (41565)	23.18	22.49	22.36
		2640.3(41093)	23.20	22.46	22.38
		2593 (40620)	23.00	22.29	22.17
		2545.8(40148)	23.16	22.46	22.32
		2498.5 (39675)	23.18	22.43	22.34
	1RB-Middle (12)	2687.5 (41565)	23.26	22.52	22.40
		2640.3(41093)	23.15	22.40	22.34
		2593 (40620)	23.02	22.27	22.16
		2545.8(40148)	23.13	22.43	22.33
		2498.5 (39675)	23.15	22.43	22.35
	1RB-Low (0)	2687.5 (41565)	23.22	22.48	22.40
		2640.3(41093)	23.03	22.36	22.22
		2593 (40620)	22.94	22.20	22.11
		2545.8(40148)	23.09	22.36	22.26
		2498.5 (39675)	23.20	22.48	22.36
	12RB-High (13)	2687.5 (41565)	22.29	21.35	21.31
		2640.3(41093)	22.31	21.36	21.28
		2593 (40620)	22.11	21.14	21.10
		2545.8(40148)	22.22	21.30	21.24
		2498.5 (39675)	22.26	21.28	21.24
	12RB-Middle (6)	2687.5 (41565)	22.31	21.40	21.33
		2640.3(41093)	22.28	21.34	21.28
		2593 (40620)	22.11	21.19	21.12
		2545.8(40148)	22.27	21.32	21.30
		2498.5 (39675)	22.29	21.32	21.28
	12RB-Low (0)	2687.5 (41565)	22.35	21.39	21.31
		2640.3(41093)	22.18	21.24	21.19
		2593 (40620)	22.01	21.09	21.02
		2545.8(40148)	22.22	21.28	21.24
		2498.5 (39675)	22.26	21.28	21.26
25RB (0)	2687.5 (41565)	22.32	21.35	21.30	
	2640.3(41093)	22.27	21.33	21.25	
	2593 (40620)	22.11	21.16	21.07	
	2545.8(40148)	22.26	21.26	21.22	
	2498.5 (39675)	22.23	21.32	21.22	
10MHz	1RB-High (49)	2685 (41540)	23.14	22.46	22.46
		2639(41080)	23.16	22.41	22.43
		2593 (40620)	23.01	22.32	22.26
		2547(40160)	23.12	22.39	22.38
		2501 (39700)	23.17	22.44	22.49
	1RB-Middle (24)	2685 (41540)	23.15	22.53	22.45
		2639(41080)	23.06	22.45	22.43
		2593 (40620)	22.92	22.31	22.30
		2547(40160)	23.03	22.47	22.37
		2501 (39700)	23.05	22.40	22.45
	1RB-Low (0)	2685 (41540)	23.31	22.56	22.58
		2639(41080)	23.12	22.43	22.44
		2593 (40620)	23.00	22.29	22.36
		2547(40160)	23.13	22.42	22.45
		2501 (39700)	23.17	22.42	22.52
	25RB-High (25)	2685 (41540)	22.34	21.32	21.31

		2639(41080)	22.27	21.30	21.23
		2593 (40620)	22.11	21.14	21.08
		2547(40160)	22.23	21.27	21.24
		2501 (39700)	22.24	21.28	21.22
	25RB-Middle (12)	2685 (41540)	22.39	21.38	21.33
		2639(41080)	22.31	21.28	21.25
		2593 (40620)	22.14	21.17	21.13
		2547(40160)	22.28	21.29	21.26
	25RB-Low (0)	2501 (39700)	22.29	21.29	21.24
		2685 (41540)	22.34	21.37	21.33
		2639(41080)	22.15	21.18	21.13
		2593 (40620)	22.03	21.02	21.00
	50RB (0)	2547(40160)	22.16	21.19	21.17
		2501 (39700)	22.23	21.29	21.24
		2685 (41540)	22.35	21.37	21.33
		2639(41080)	22.26	21.30	21.27
15MHz	1RB-High (74)	2593 (40620)	22.11	21.13	21.10
		2547(40160)	22.25	21.27	21.25
		2501 (39700)	22.25	21.32	21.24
		2682.5 (41515)	23.17	22.42	22.17
		2637.8(41068)	23.19	22.43	22.32
	1RB-Middle (37)	2593 (40620)	22.97	22.27	22.16
		2548.3(40173)	23.11	22.43	22.31
		2503.5 (39725)	22.98	22.34	22.15
		2682.5 (41515)	23.20	22.40	22.25
		2637.8(41068)	22.97	22.23	22.20
	1RB-Low (0)	2593 (40620)	22.89	22.21	22.11
		2548.3(40173)	23.06	22.36	22.22
		2503.5 (39725)	23.07	22.33	22.20
		2682.5 (41515)	23.20	22.51	22.46
		2637.8(41068)	23.01	22.33	22.14
	36RB-High (38)	2593 (40620)	22.91	22.24	22.10
		2548.3(40173)	23.04	22.38	22.24
		2503.5 (39725)	23.05	22.31	22.22
		2682.5 (41515)	22.28	21.30	21.30
		2637.8(41068)	22.22	21.20	21.21
	36RB-Middle (19)	2593 (40620)	22.06	21.07	21.09
		2548.3(40173)	22.19	21.17	21.21
		2503.5 (39725)	22.18	21.19	21.21
		2682.5 (41515)	22.32	21.30	21.33
2637.8(41068)		22.20	21.18	21.21	
36RB-Low (0)	2593 (40620)	22.08	21.07	21.07	
	2548.3(40173)	22.24	21.21	21.21	
	2503.5 (39725)	22.21	21.19	21.22	
	2682.5 (41515)	22.38	21.32	21.36	
	2637.8(41068)	22.12	21.09	21.11	
75RB (0)	2593 (40620)	22.01	20.98	21.03	
	2548.3(40173)	22.16	21.16	21.19	
	2503.5 (39725)	22.22	21.23	21.26	
	2682.5 (41515)	22.34	21.37	21.33	
	2637.8(41068)	22.20	21.21	21.23	
20MHz	1RB-High (99)	2593 (40620)	22.08	21.09	21.09
		2548.3(40173)	22.24	21.24	21.28
		2503.5 (39725)	22.21	21.24	21.25
		2680 (41490)	23.12	22.34	22.12
		2636.5(41055)	23.15	22.42	22.25

		2593 (40620)	22.92	22.20	22.04
		2549.5(40185)	22.98	22.29	22.18
		2506 (39750)	22.98	22.27	22.19
	1RB-Middle (50)	2680 (41490)	23.12	22.42	22.27
		2636.5(41055)	22.98	22.29	22.12
		2593 (40620)	22.87	22.15	22.04
		2549.5(40185)	23.00	22.33	22.18
		2506 (39750)	22.99	22.30	22.16
	1RB-Low (0)	2680 (41490)	23.26	22.70	22.50
		2636.5(41055)	23.04	22.35	22.18
		2593 (40620)	22.95	22.24	22.13
		2549.5(40185)	23.01	22.33	22.27
		2506 (39750)	23.00	22.33	22.23
	50RB-High (50)	2680 (41490)	22.19	21.24	21.19
		2636.5(41055)	22.17	21.25	21.18
		2593 (40620)	22.05	21.11	21.03
		2549.5(40185)	22.20	21.24	21.15
		2506 (39750)	22.20	21.23	21.17
	50RB-Middle (25)	2680 (41490)	22.32	21.40	21.32
		2636.5(41055)	22.15	21.22	21.16
2593 (40620)		22.08	21.12	21.06	
2549.5(40185)		22.21	21.30	21.22	
2506 (39750)		22.24	21.27	21.21	
50RB-Low (0)	2680 (41490)	22.34	21.38	21.34	
	2636.5(41055)	22.09	21.13	21.10	
	2593 (40620)	21.98	21.05	20.96	
	2549.5(40185)	22.15	21.18	21.14	
	2506 (39750)	22.15	21.20	21.13	
100RB (0)	2680 (41490)	22.32	21.38	21.43	
	2636.5(41055)	22.17	21.24	21.24	
	2593 (40620)	22.07	21.11	21.13	
	2549.5(40185)	22.21	21.24	21.29	
	2506 (39750)	22.23	21.25	21.31	

## 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	
41	2498.5	39675	5	25	0	4.4860	Fig.1	4.4660	Fig.2	4.4724	Fig.3
	2593	40620		25	0	4.4814	Fig.4	4.4831	Fig.5	4.4796	Fig.6
	2687.5	41565		25	0	4.4839	Fig.7	4.4676	Fig.8	4.4907	Fig.9
	2501	39700	10	50	0	8.9129	Fig.10	8.8922	Fig.11	8.9187	Fig.12
	2593	40620		50	0	8.9396	Fig.13	8.9119	Fig.14	8.9089	Fig.15
	2685	41540		50	0	8.8972	Fig.16	8.9244	Fig.17	8.8890	Fig.18
	2503.5	39725	15	75	0	13.403	Fig.19	13.428	Fig.20	13.379	Fig.21
	2593	40620		75	0	13.408	Fig.22	13.405	Fig.23	13.438	Fig.24
	2682.5	41515		75	0	13.431	Fig.25	13.457	Fig.26	13.457	Fig.27
	2506	39750	20	100	0	17.837	Fig.28	17.879	Fig.29	17.865	Fig.30
	2593	40620		100	0	17.841	Fig.31	17.857	Fig.32	17.829	Fig.33
	2680	41490		100	0	17.849	Fig.34	17.851	Fig.35	17.846	Fig.36

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
41	2498.5	39675	5	25	0	4.889	Fig.1	4.886	Fig.2	4.861	Fig.3
	2593	40620		25	0	4.893	Fig.4	4.820	Fig.5	4.884	Fig.6
	2687.5	41565		25	0	4.898	Fig.7	4.844	Fig.8	4.871	Fig.9
	2501	39700	10	50	0	9.161	Fig.10	9.170	Fig.11	9.179	Fig.12
	2593	40620		50	0	9.228	Fig.13	9.203	Fig.14	9.146	Fig.15
	2685	41540		50	0	9.212	Fig.16	9.178	Fig.17	9.150	Fig.18
	2503.5	39725	15	75	0	14.29	Fig.19	14.16	Fig.20	14.18	Fig.21
	2593	40620		75	0	14.26	Fig.22	14.37	Fig.23	14.26	Fig.24
	2682.5	41515		75	0	14.19	Fig.25	14.27	Fig.26	14.33	Fig.27
	2506	39750	20	100	0	18.89	Fig.28	18.92	Fig.29	18.95	Fig.30
	2593	40620		100	0	19.14	Fig.31	19.02	Fig.32	19.05	Fig.33
	2680	41490		100	0	18.95	Fig.34	19.08	Fig.35	18.98	Fig.36

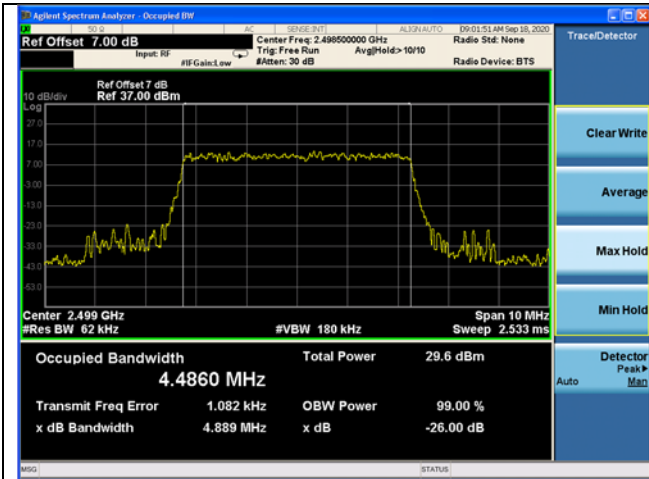


Fig.1

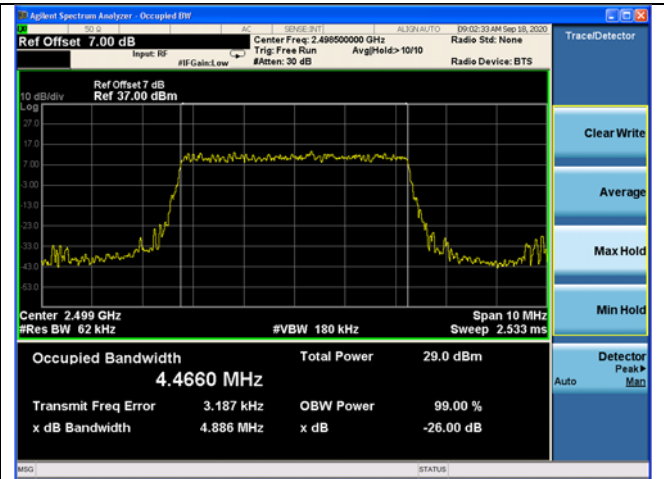


Fig.2

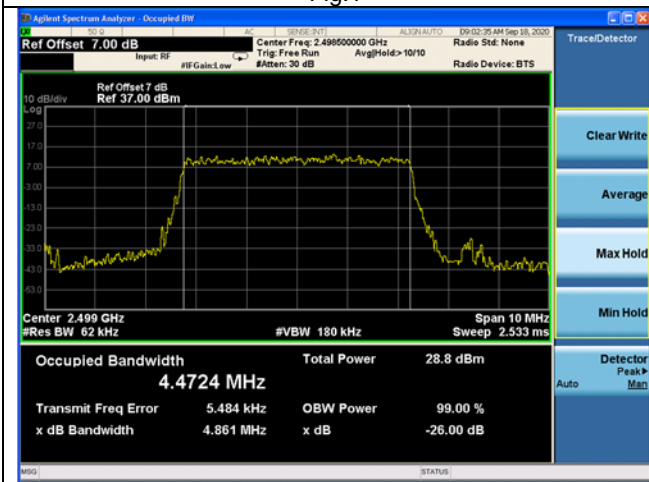


Fig.3

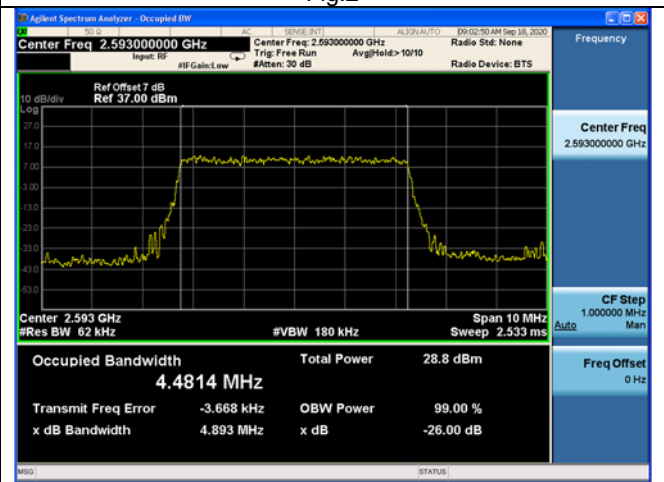


Fig.4

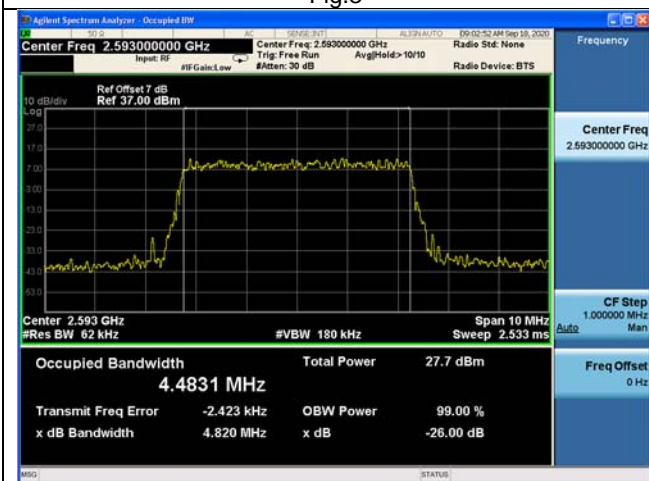


Fig.5

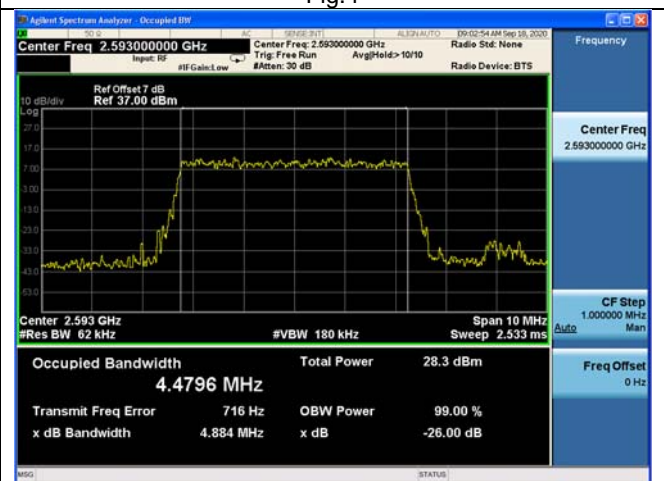


Fig.6

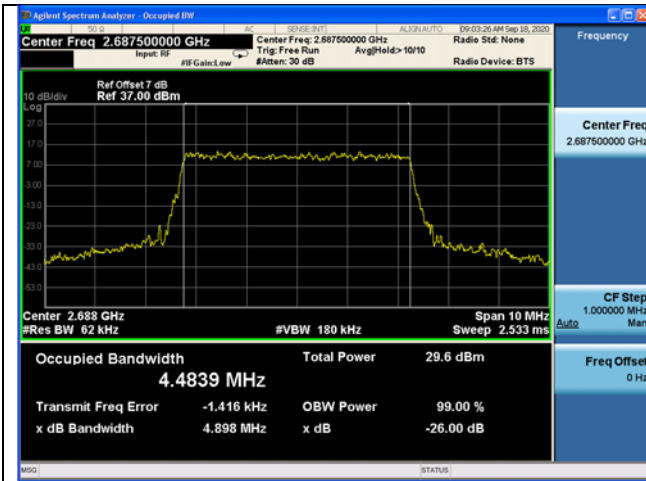


Fig.7

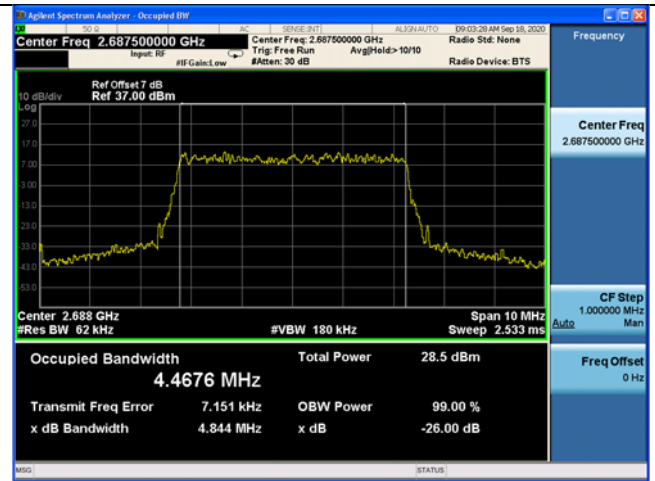


Fig.8

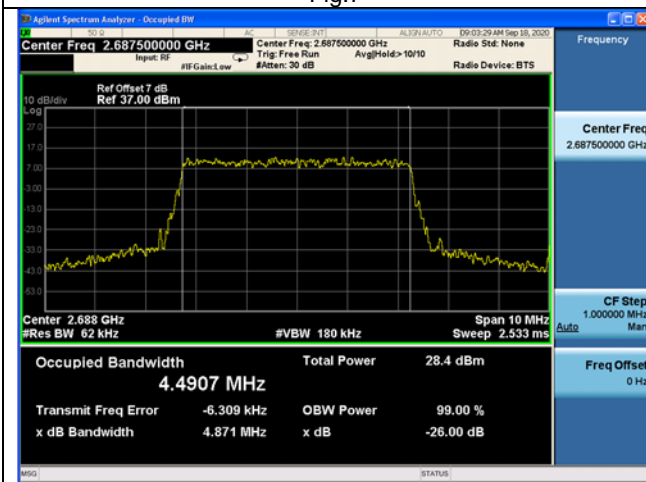


Fig.9

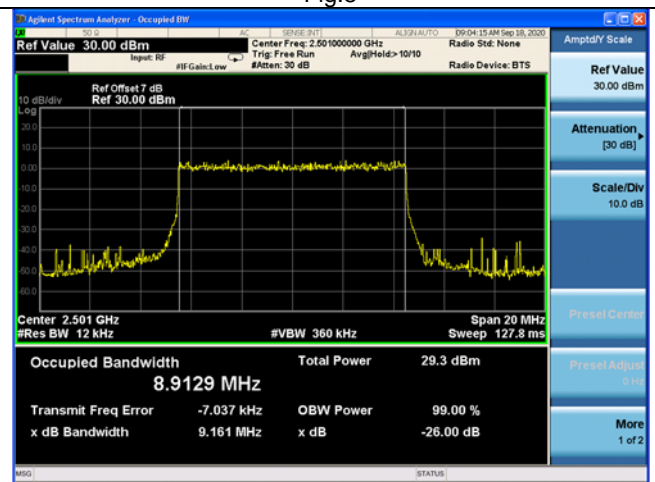


Fig.10

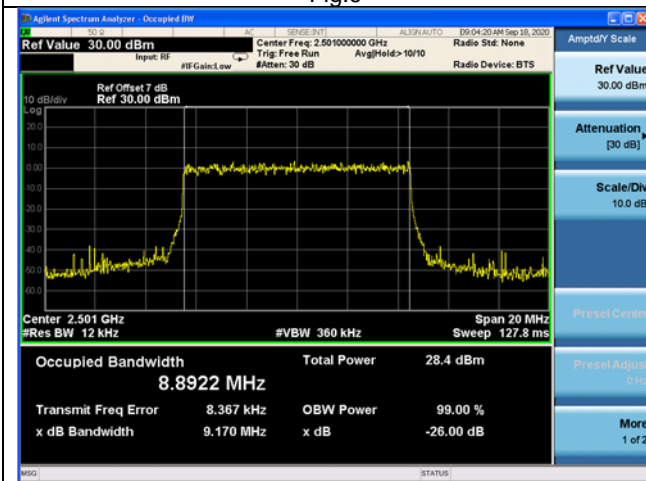


Fig.11

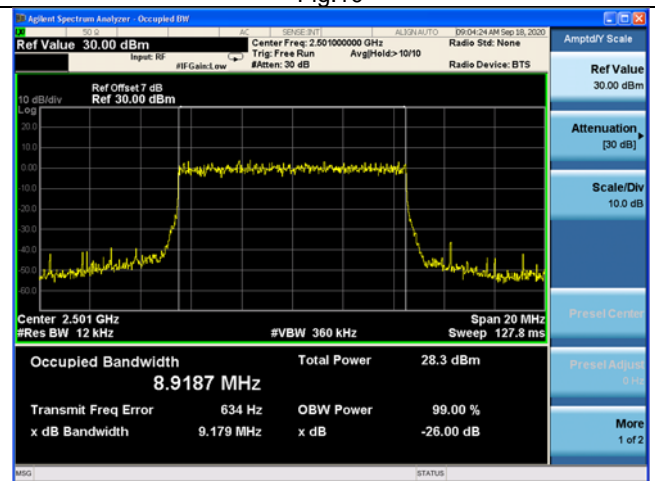


Fig.12

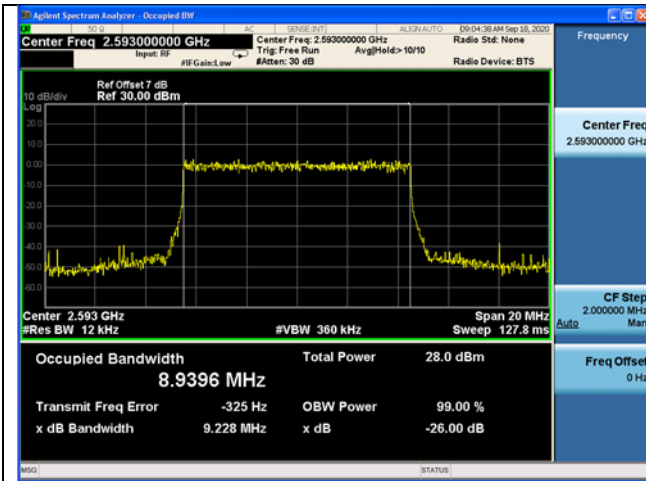


Fig.13

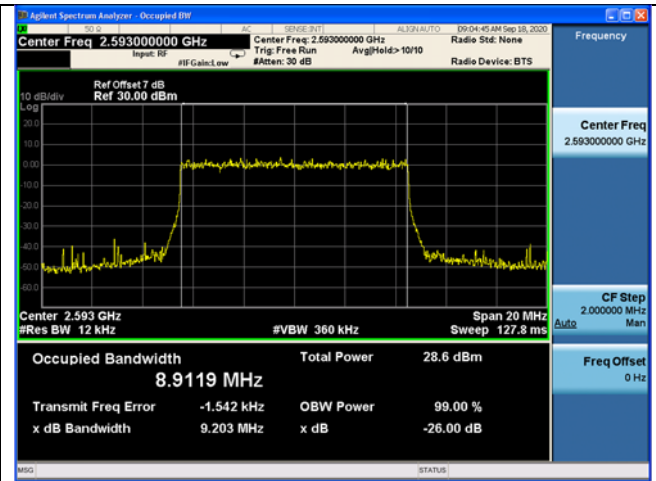


Fig.14

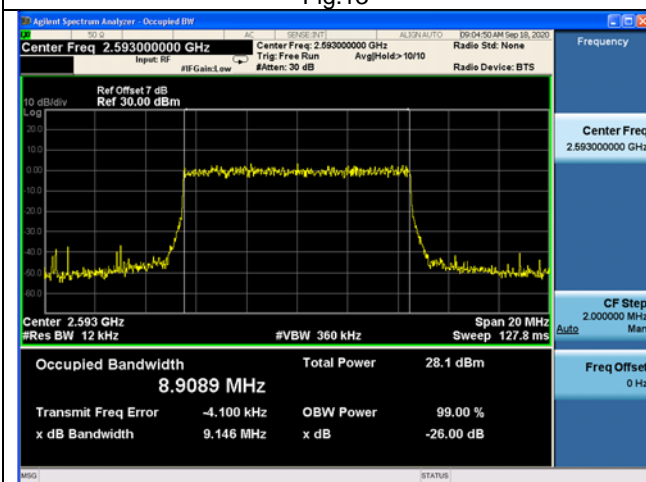


Fig.15

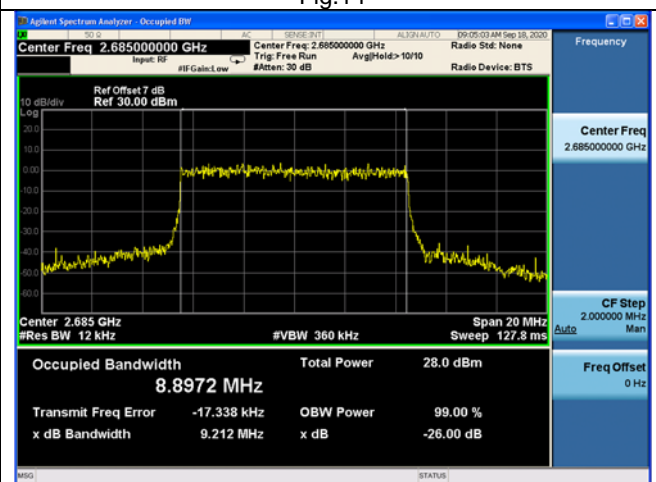


Fig.16

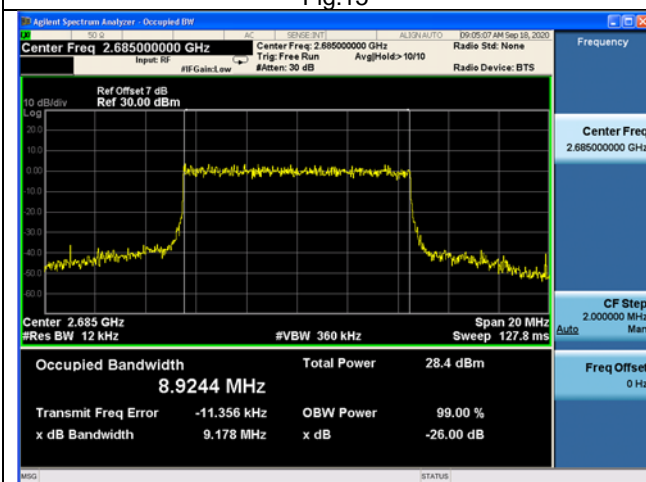


Fig.17

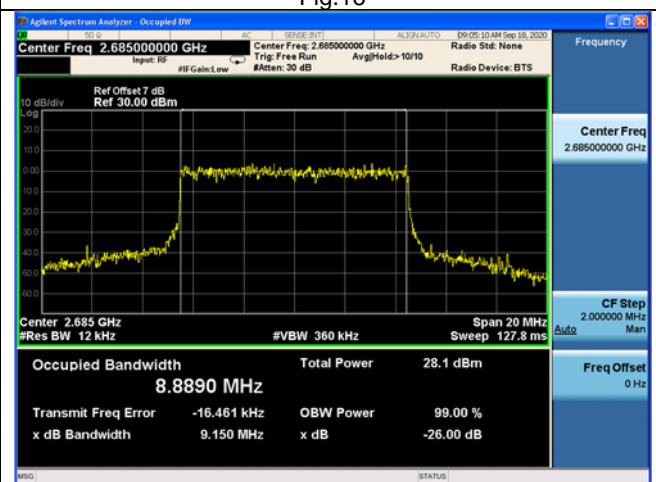


Fig.18

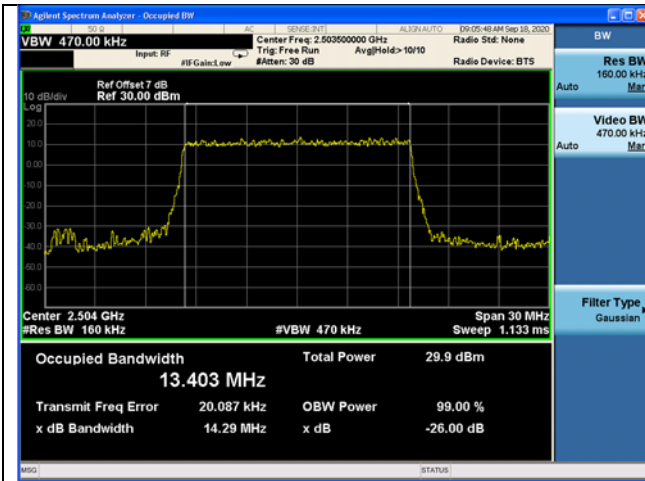


Fig.19

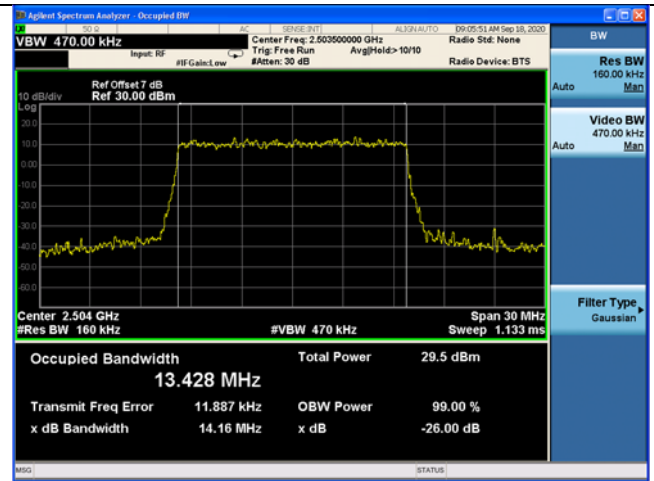


Fig.20

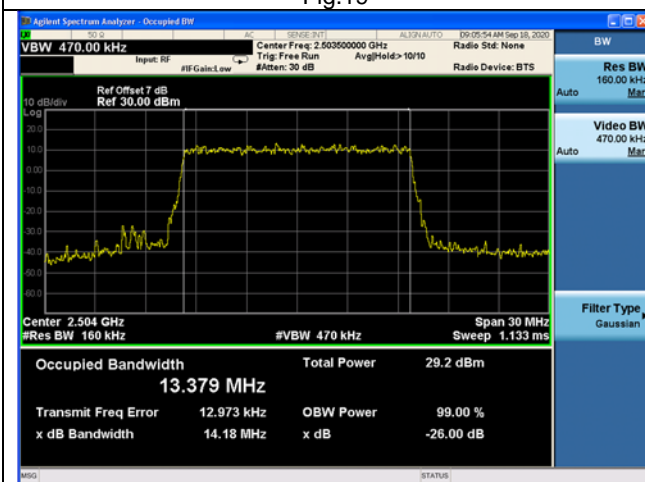


Fig.21

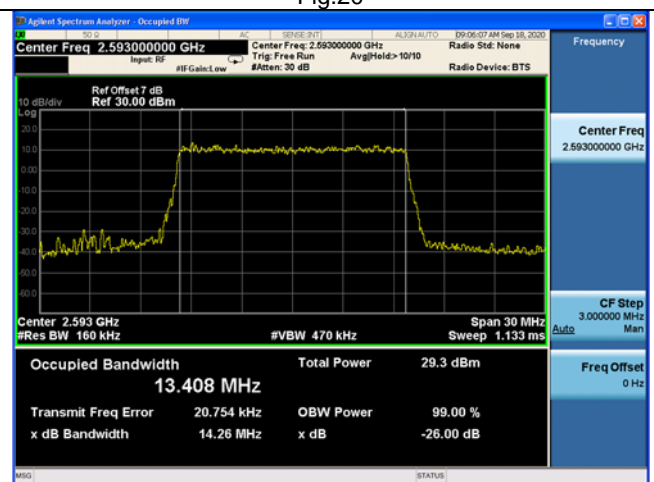


Fig.22

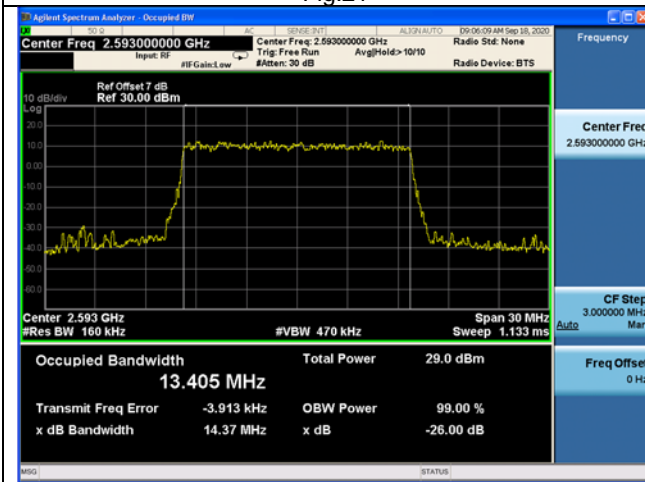


Fig.23

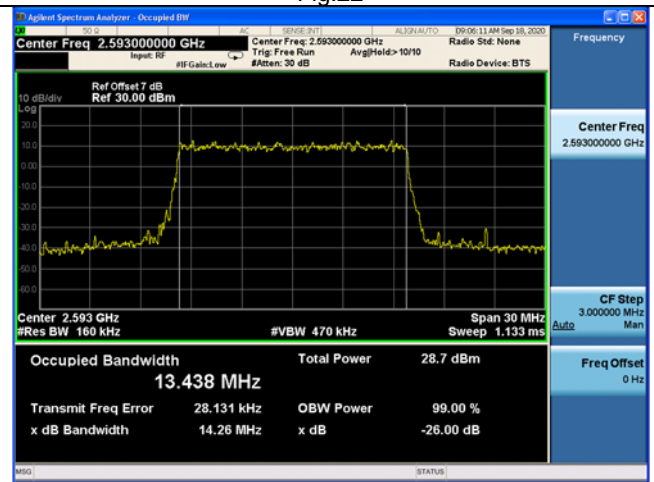


Fig.24



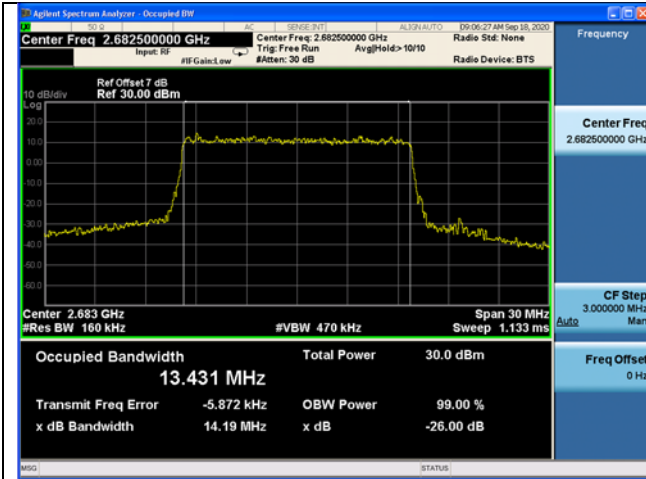


Fig.25

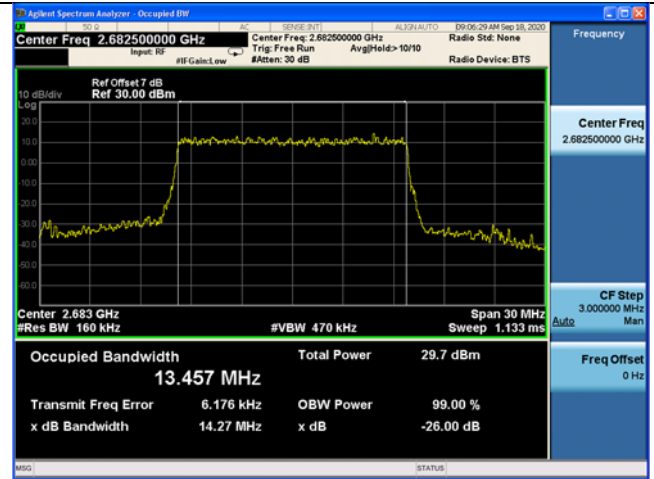


Fig.26

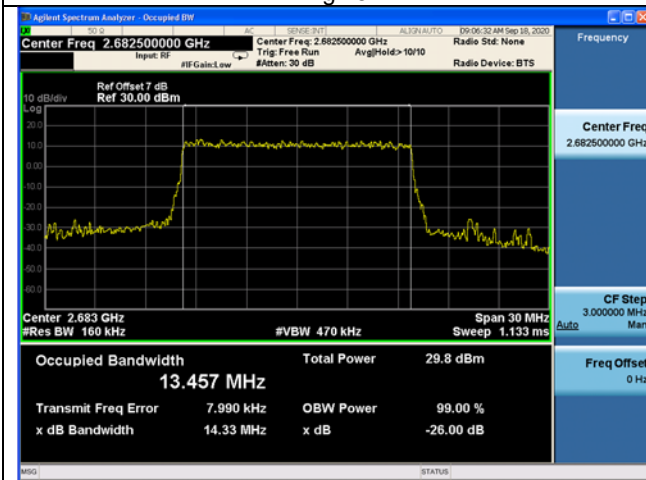


Fig.27

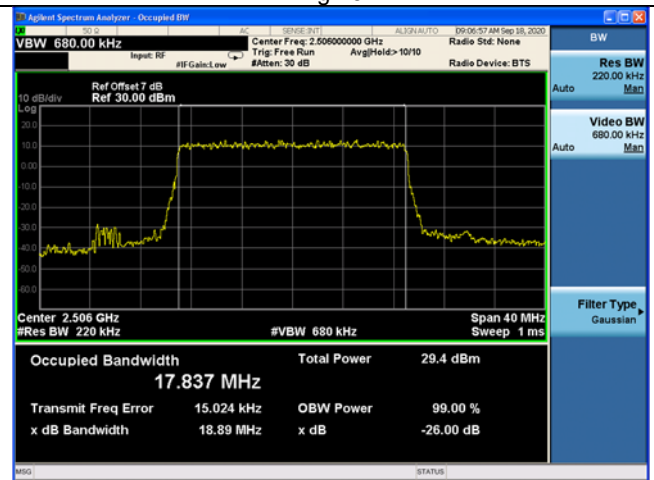


Fig.28

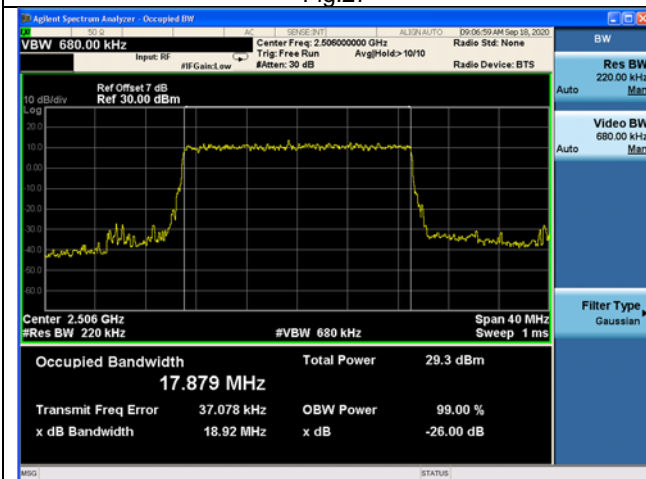


Fig.29

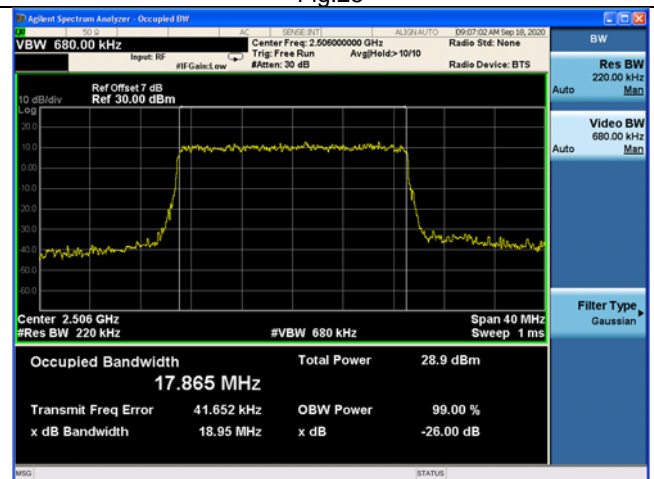


Fig.30

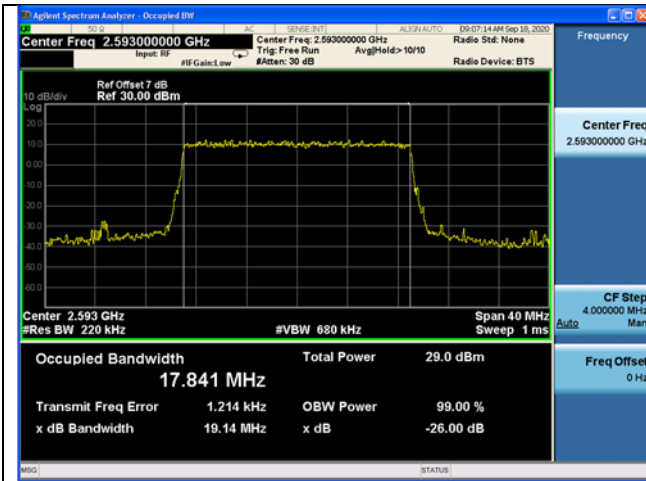


Fig.31

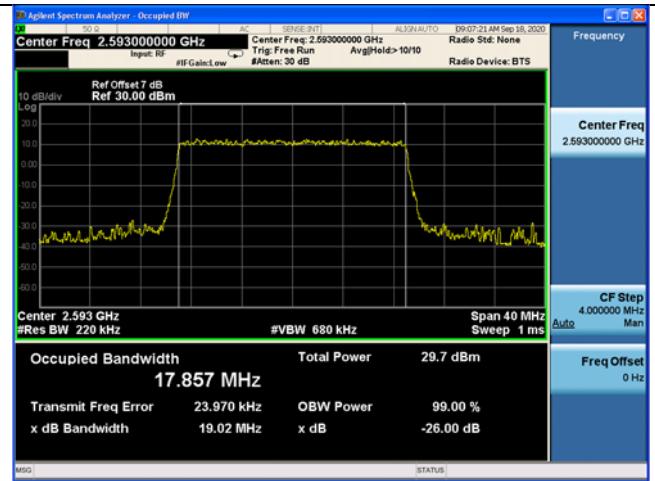


Fig.32

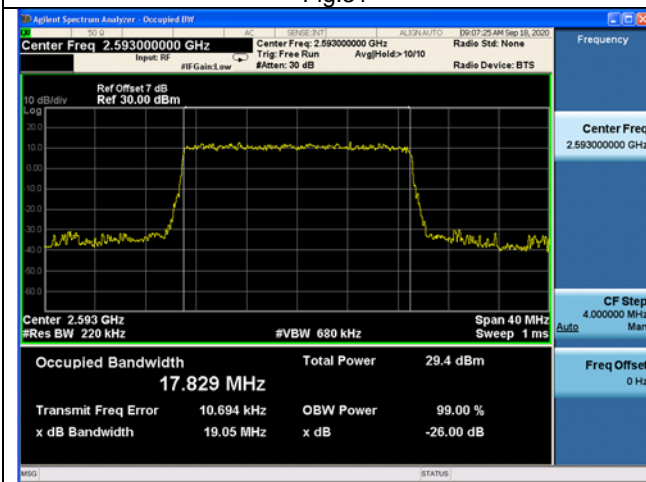


Fig.33

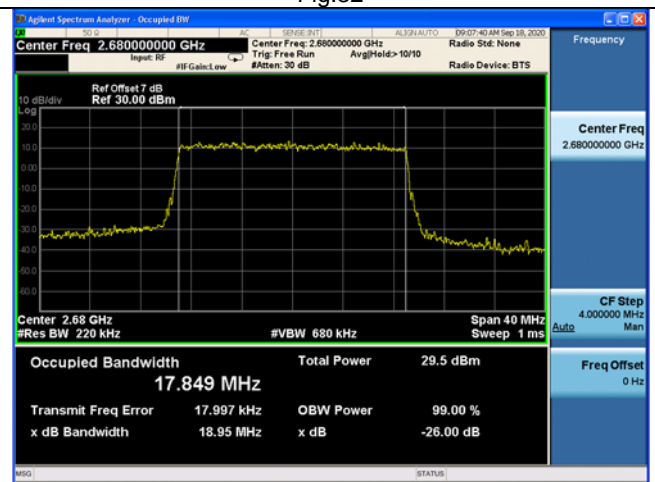


Fig.34

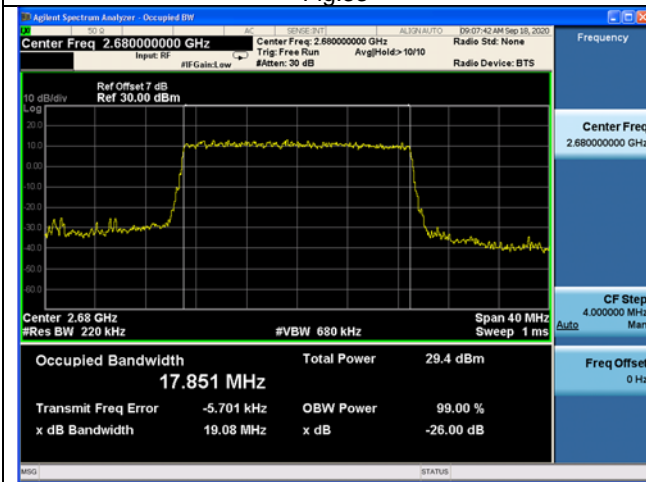


Fig.35

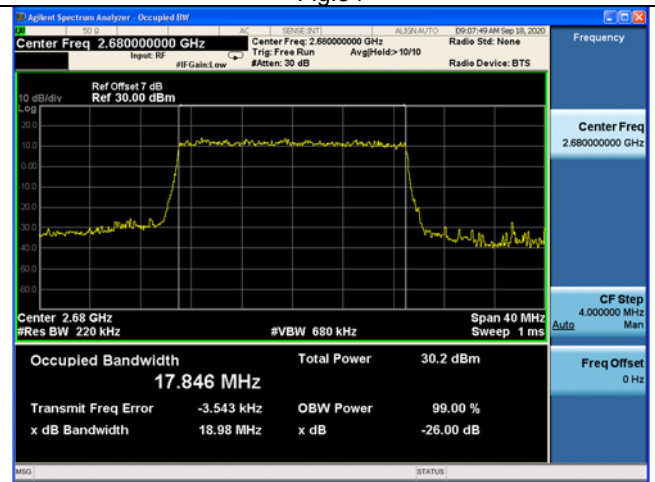


Fig.36

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
41	2593	40620	5	1	0	Fig.1	Fig.2	Fig.3
			10	1	0	Fig.4	Fig.5	Fig.6
			15	1	0	Fig.7	Fig.8	Fig.9
			20	1	0	Fig.10	Fig.11	Fig.12

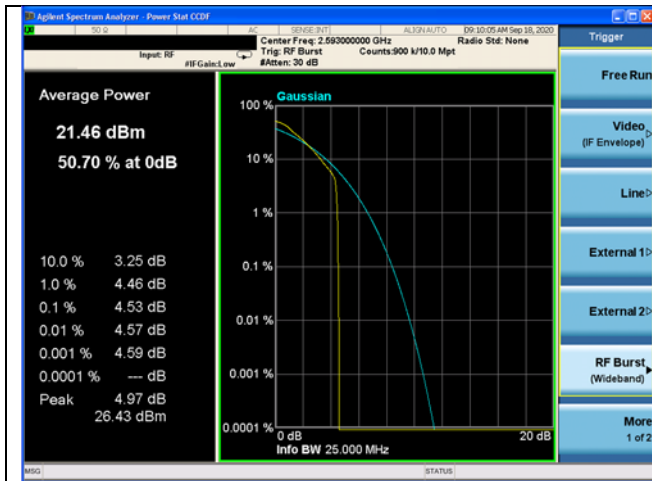


Fig.1

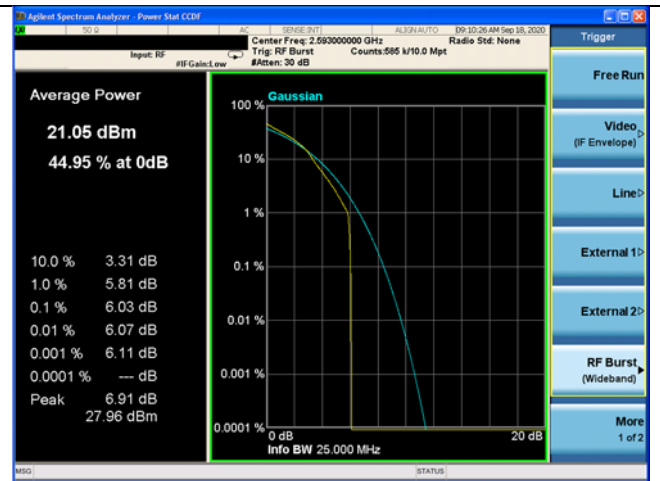


Fig.2



Fig.3



Fig.4

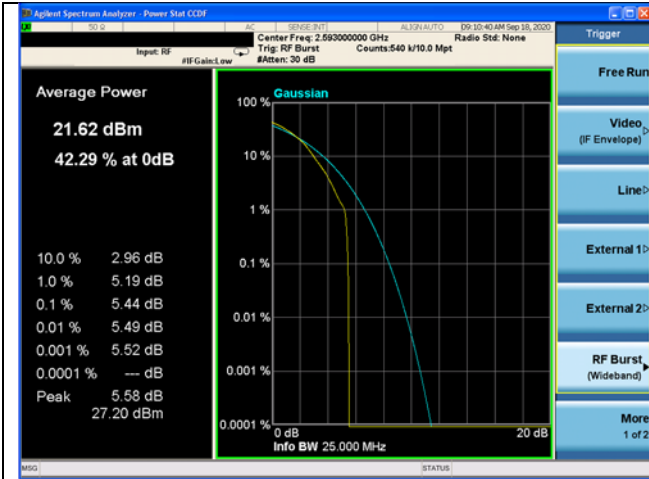


Fig.5

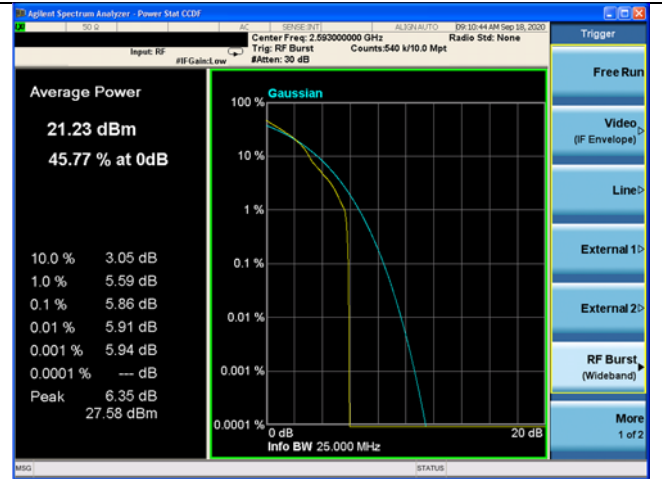


Fig.6

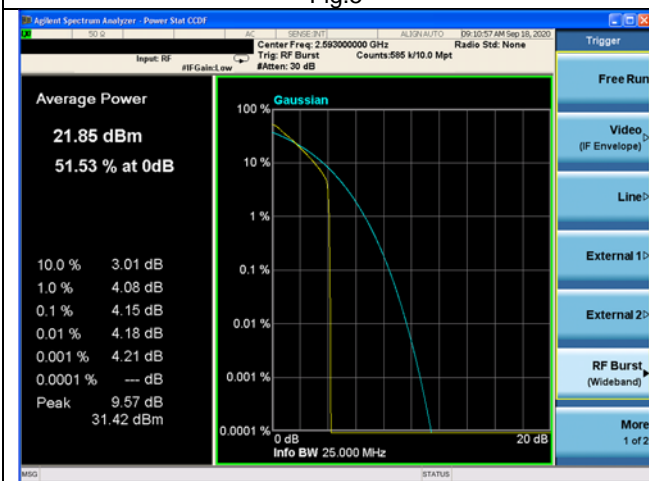


Fig.7

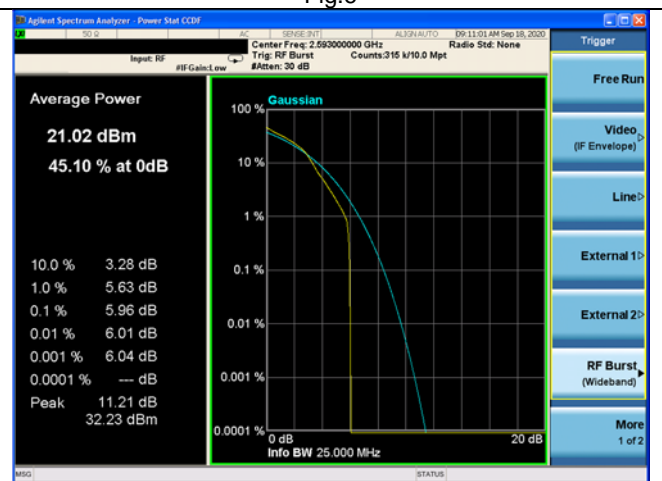


Fig.8

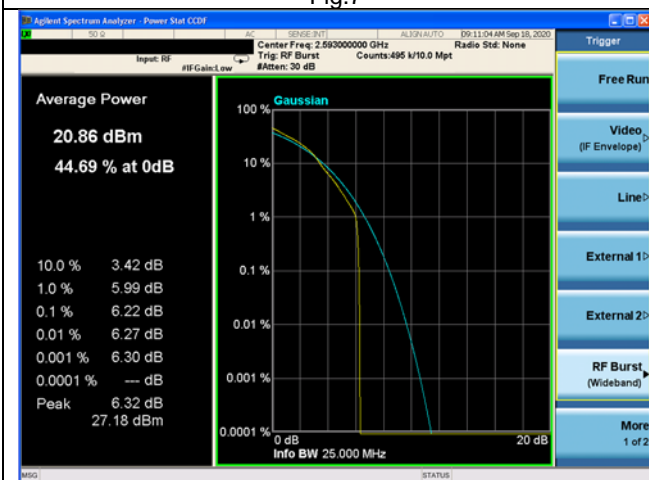


Fig.9

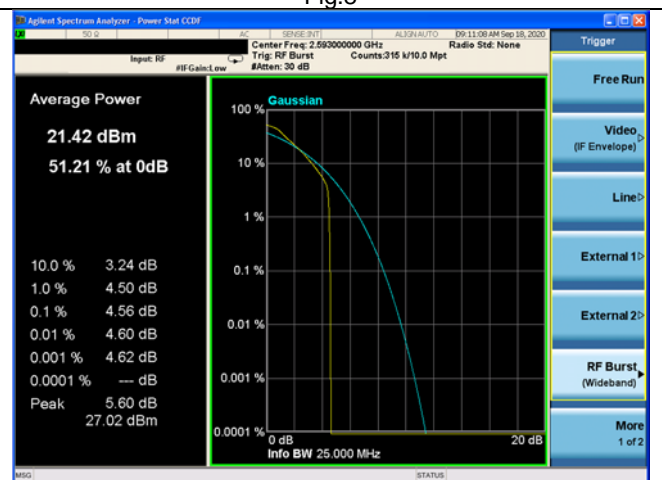


Fig.10

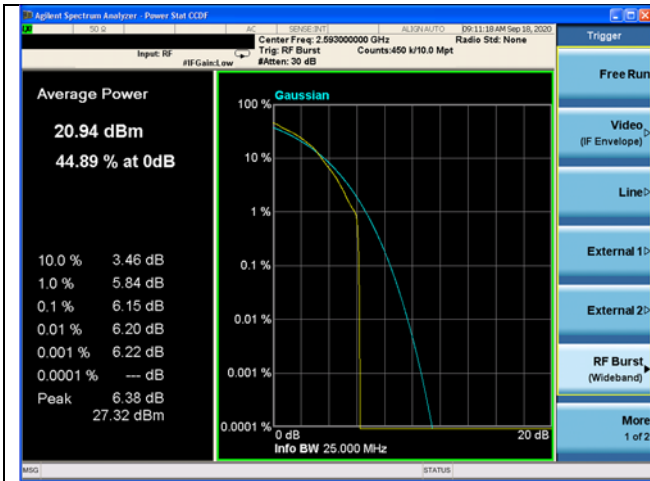


Fig.11

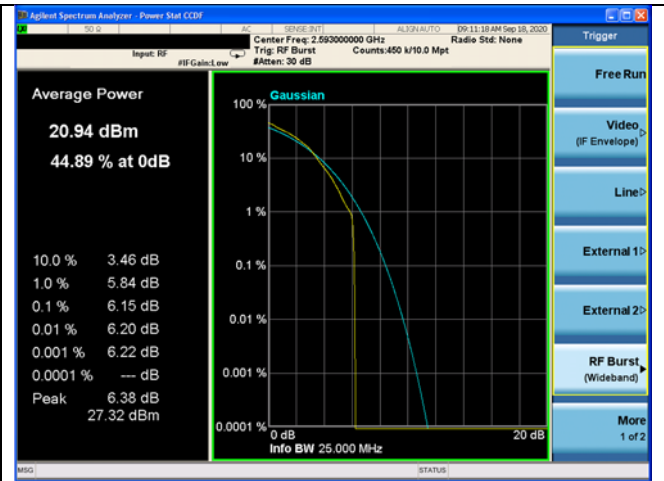


Fig.12

**4 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted
						QPSK
41	2506	39750	20	1	0	Fig.1-2
	2593	40620	20	1	0	Fig.3-4
	2680	41490	20	1	0	Fig.5-6

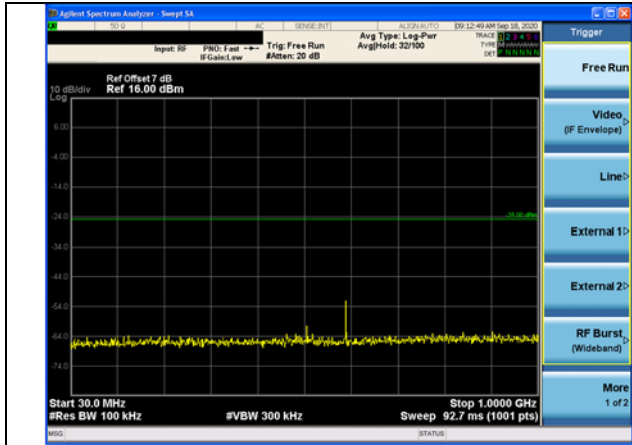


Fig1



Fig2

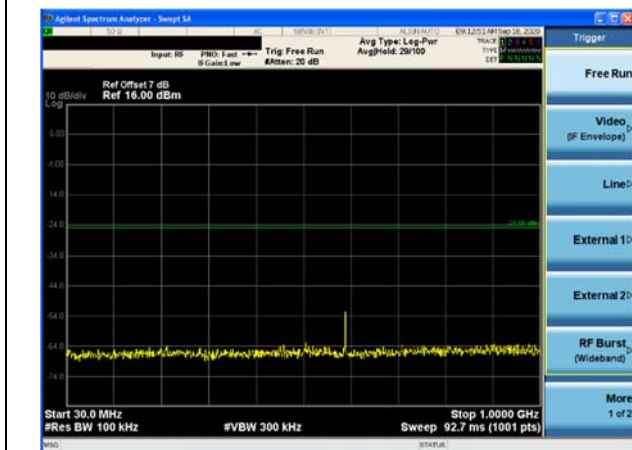


Fig3

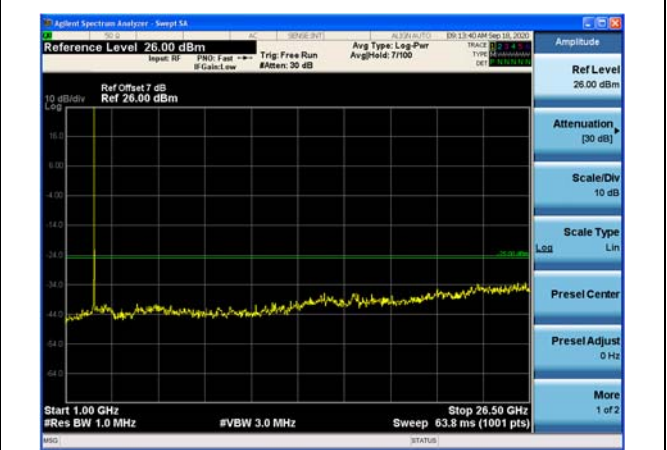


Fig4

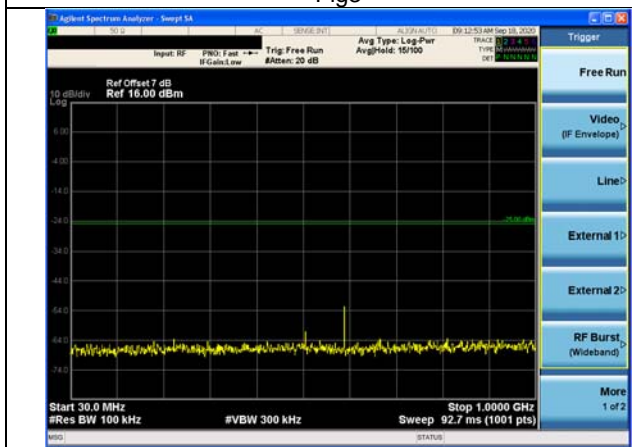


Fig5



Fig6

### 5 Band Edges Compliance Test result

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
41	2498.5	39675	5	1	0	Fig.1	
				25	0	Fig.2	
	2687.5	41565		1	24	Fig.3	
				25	0	Fig.4	
	2501	39700	10	1	0	Fig.5	
				50	0	Fig.6	
			2685	41540	1	49	Fig.7
					50	0	Fig.8
	2503.5	39725	15	1	0	Fig.9	
				75	0	Fig.10	
			2682.5	41515	1	74	Fig.11
					75	0	Fig.12
	2506	39750	20	1	0	Fig.13	
				100	0	Fig.14	
			2680	41490	1	99	Fig.15
					100	0	Fig.16

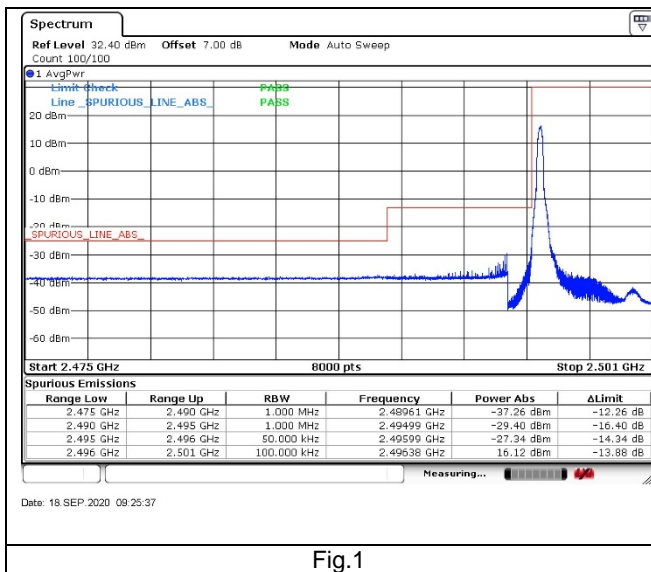


Fig.1

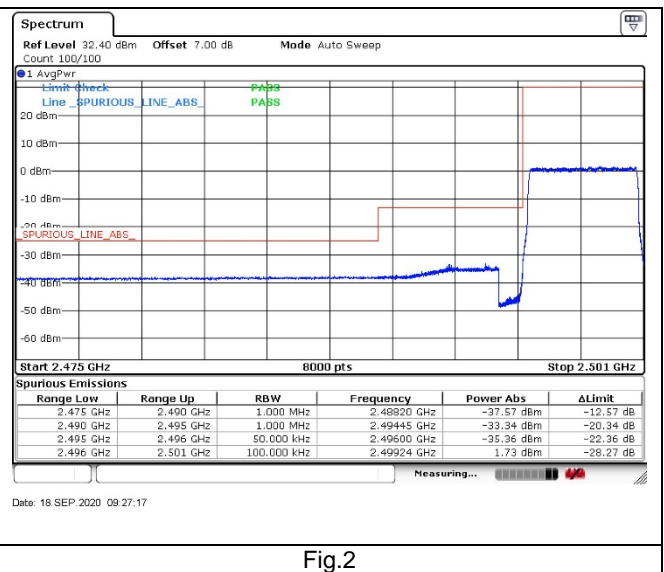


Fig.2