

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 4

1 RF Power Output

		Conducted Power (dBm)			
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
1.4MHz	1RB-High (5)	1754.3 (20393)	23.52	22.82	22.74
		1732.5 (20175)	23.25	22.58	22.54
		1710.7 (19957)	23.13	22.49	22.41
	1RB-Middle (3)	1754.3 (20393)	23.60	22.88	22.57
		1732.5 (20175)	23.29	22.63	22.59
		1710.7 (19957)	23.18	22.60	22.37
	1RB-Low (0)	1754.3 (20393)	23.55	22.80	22.58
		1732.5 (20175)	23.13	22.47	22.48
		1710.7 (19957)	23.15	22.48	22.38
	3RB-High (3)	1754.3 (20393)	23.52	22.58	22.58
		1732.5 (20175)	23.27	22.29	22.41
		1710.7 (19957)	23.16	22.22	22.27
	3RB-Middle (1)	1754.3 (20393)	23.48	22.63	22.68
		1732.5 (20175)	23.25	22.44	22.40
		1710.7 (19957)	23.23	22.26	22.30
	3RB-Low (0)	1754.3 (20393)	23.52	22.61	22.64
		1732.5 (20175)	23.21	22.26	22.34
		1710.7 (19957)	20.96	22.22	22.26
6RB (0)	1754.3 (20393)	22.55	21.67	21.57	
	1732.5 (20175)	22.30	21.41	21.32	
	1710.7 (19957)	20.03	21.26	21.19	
3MHz	1RB-High (14)	1753.5 (20385)	23.58	22.91	22.81
		1732.5 (20175)	23.36	22.67	22.53
		1711.5 (19965)	23.25	22.56	22.48
	1RB-Middle (7)	1753.5 (20385)	23.44	22.83	22.72
		1732.5 (20175)	23.30	22.65	22.46
		1711.5 (19965)	23.21	22.58	22.46
	1RB-Low (0)	1753.5 (20385)	23.58	22.89	22.83
		1732.5 (20175)	23.24	22.58	22.38
		1711.5 (19965)	23.22	22.59	22.47
	8RB-High (7)	1753.5 (20385)	22.67	21.68	21.70
		1732.5 (20175)	22.43	21.47	21.42
		1711.5 (19965)	22.31	21.37	21.33
	8RB-Middle (4)	1753.5 (20385)	22.68	21.74	21.68
		1732.5 (20175)	22.39	21.48	21.42
		1711.5 (19965)	22.27	21.39	21.34
	8RB-Low (0)	1753.5 (20385)	22.64	21.69	21.68
		1732.5 (20175)	22.34	21.37	21.33
		1711.5 (19965)	20.10	21.34	21.33
15RB (0)	1753.5 (20385)	22.66	21.69	21.66	
	1732.5 (20175)	22.41	21.41	21.45	
	1711.5 (19965)	20.13	21.36	21.28	
5MHz	1RB-High (24)	1752.5 (20375)	23.60	22.93	22.81
		1732.5 (20175)	23.37	22.69	22.65
		1712.5 (19975)	23.27	22.61	22.45
	1RB-Middle (12)	1752.5 (20375)	23.52	22.87	22.76
		1732.5 (20175)	23.30	22.64	22.58
		1712.5 (19975)	23.25	22.61	22.43
	1RB-Low (0)	1752.5 (20375)	23.58	22.88	22.77
		1732.5 (20175)	23.25	22.54	22.49
		1712.5 (19975)	23.24	22.55	22.43
	12RB-High (13)	1752.5 (20375)	22.69	21.68	21.66

	12RB-Middle (6)	1732.5 (20175)	22.43	21.46	21.41	
		1712.5 (19975)	20.30	21.32	21.35	
		1752.5 (20375)	22.72	21.72	21.67	
		1732.5 (20175)	22.41	21.51	21.45	
		1712.5 (19975)	20.38	21.39	21.38	
		1752.5 (20375)	22.29	21.67	21.68	
	12RB-Low (0)	1732.5 (20175)	22.39	21.39	21.32	
		1712.5 (19975)	20.24	21.35	21.31	
		1752.5 (20375)	22.39	21.66	21.70	
	25RB (0)	1732.5 (20175)	22.44	21.42	21.44	
		1712.5 (19975)	20.30	20.23	19.27	
		1750 (20350)	23.60	22.90	22.87	
10MHz	1RB-High (49)	1732.5 (20175)	23.43	22.78	22.81	
		1715 (20000)	23.24	22.61	22.55	
		1750 (20350)	23.69	22.98	23.21	
	1RB-Middle (24)	1732.5 (20175)	23.36	22.73	22.79	
		1715 (20000)	23.24	22.58	22.55	
		1750 (20350)	23.55	22.87	23.04	
	1RB-Low (0)	1732.5 (20175)	23.30	22.66	22.69	
		1715 (20000)	23.25	22.59	22.56	
		1750 (20350)	22.75	21.76	21.71	
	25RB-High (25)	1732.5 (20175)	22.51	21.48	21.44	
		1715 (20000)	22.37	21.29	21.36	
		1750 (20350)	22.69	21.66	21.70	
	25RB-Middle (12)	1732.5 (20175)	22.48	21.49	21.48	
		1715 (20000)	22.39	21.38	21.39	
		1750 (20350)	22.67	21.64	21.62	
	25RB-Low (0)	1732.5 (20175)	22.35	21.37	21.36	
		1715 (20000)	22.38	21.36	21.36	
		1750 (20350)	22.65	21.69	21.63	
	50RB (0)	1732.5 (20175)	22.48	21.45	21.41	
		1715 (20000)	22.38	19.50	20.44	
		1747.5 (20325)	23.58	22.93	22.93	
	15MHz	1RB-High (74)	1732.5 (20175)	23.42	22.68	22.61
			1717.5 (20025)	23.32	22.52	22.46
			1747.5 (20325)	23.62	22.95	22.79
1RB-Middle (37)		1732.5 (20175)	23.36	22.64	22.51	
		1717.5 (20025)	23.27	22.59	22.53	
		1747.5 (20325)	23.64	22.96	22.68	
1RB-Low (0)		1732.5 (20175)	23.47	22.75	22.77	
		1717.5 (20025)	23.39	22.66	22.57	
		1747.5 (20325)	22.72	21.73	21.67	
36RB-High (38)		1732.5 (20175)	22.50	21.44	21.48	
		1717.5 (20025)	22.41	21.35	21.35	
		1747.5 (20325)	22.70	21.64	21.65	
36RB-Middle (19)		1732.5 (20175)	22.49	21.51	21.49	
		1717.5 (20025)	22.42	21.42	21.39	
		1747.5 (20325)	22.74	21.72	21.70	
36RB-Low (0)		1732.5 (20175)	22.46	21.48	21.47	
		1717.5 (20025)	20.69	21.38	21.37	
		1747.5 (20325)	22.66	21.62	21.67	
75RB (0)		1732.5 (20175)	22.54	21.52	21.48	
		1717.5 (20025)	21.02	21.43	19.96	
		1745 (20300)	23.65	22.98	22.89	
20MHz		1RB-High (99)	1732.5 (20175)	23.57	22.88	22.77
			1720 (20050)	23.39	22.65	22.46
			1745 (20300)	23.62	22.91	22.97
	1RB-Middle (50)	1745 (20300)	23.62	22.91	22.97	

		1732.5 (20175)	23.41	22.68	22.51
		1720 (20050)	23.31	22.62	22.61
	1RB-Low (0)	1745 (20300)	23.62	22.89	22.67
		1732.5 (20175)	23.51	22.77	22.72
		1720 (20050)	23.49	22.77	22.68
	50RB-High (50)	1745 (20300)	22.71	21.73	21.69
		1732.5 (20175)	22.59	21.58	21.57
		1720 (20050)	22.45	21.44	21.39
	50RB-Middle (25)	1745 (20300)	22.81	21.76	21.73
		1732.5 (20175)	22.58	21.61	21.55
		1720 (20050)	22.52	21.50	21.47
	50RB-Low (0)	1745 (20300)	22.70	21.69	21.64
		1732.5 (20175)	22.56	21.57	21.52
		1720 (20050)	21.78	21.47	21.43
	100RB (0)	1745 (20300)	22.70	21.62	21.59
		1732.5 (20175)	22.60	21.57	21.56
		1720 (20050)	22.54	21.48	19.95

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	
4	1710.7	19957	1.4	6	0	1.0804	Fig.1	1.0831	Fig.2	1.0789	Fig.3
	1732.5	20175		6	0	1.0820	Fig.4	1.0763	Fig.5	1.0766	Fig.6
	1754.3	20393		6	0	1.0775	Fig.7	1.0768	Fig.8	1.0825	Fig.9
	1711.5	19965	3	15	0	2.6929	Fig.10	2.6909	Fig.11	2.6924	Fig.12
	1732.5	20175		15	0	2.6890	Fig.13	2.6944	Fig.14	2.6948	Fig.15
	1753.5	20385		15	0	2.6940	Fig.16	2.6850	Fig.17	2.6921	Fig.18
	1712.5	19975	5	25	0	4.4830	Fig.19	4.4736	Fig.20	4.4747	Fig.21
	1732.5	20175		25	0	4.4743	Fig.22	4.4821	Fig.23	4.4826	Fig.24
	1752.5	20375		25	0	4.4791	Fig.25	4.4793	Fig.26	4.4868	Fig.27
	1715	20000	10	50	0	8.9315	Fig.28	8.9217	Fig.29	8.9240	Fig.30
	1732.5	20175		50	0	8.9203	Fig.31	8.9650	Fig.32	8.9325	Fig.33
	1750	20350		50	0	8.9654	Fig.34	8.9589	Fig.35	8.9417	Fig.36
	1717.5	20025	15	75	0	13.420	Fig.37	13.409	Fig.38	13.378	Fig.39
	1732.5	20175		75	0	13.392	Fig.40	13.411	Fig.41	13.394	Fig.42
	1747.5	20325		75	0	13.375	Fig.43	13.385	Fig.44	13.394	Fig.45
	1720	20050	20	100	0	17.834	Fig.46	17.886	Fig.47	17.826	Fig.48
	1732.5	20175		100	0	17.902	Fig.49	17.876	Fig.50	17.877	Fig.51
	1745	20300		100	0	17.859	Fig.52	17.868	Fig.53	17.856	Fig.54

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
4	1710.7	19957	1.4	6	0	1.212	Fig.1	1.209	Fig.2	1.208	Fig.3
	1732.5	20175		6	0	1.210	Fig.4	1.194	Fig.5	1.208	Fig.6
	1754.3	20393		6	0	1.189	Fig.7	1.191	Fig.8	1.201	Fig.9
	1711.5	19965	3	15	0	2.976	Fig.10	2.917	Fig.11	2.981	Fig.12
	1732.5	20175		15	0	2.982	Fig.13	2.965	Fig.14	2.983	Fig.15
	1753.5	20385		15	0	2.976	Fig.16	2.985	Fig.17	2.972	Fig.18
	1712.5	19975	5	25	0	4.925	Fig.19	4.871	Fig.20	4.837	Fig.21
	1732.5	20175		25	0	4.850	Fig.22	4.863	Fig.23	4.874	Fig.24
	1752.5	20375		25	0	4.857	Fig.25	4.895	Fig.26	4.879	Fig.27
	1715	20000	10	50	0	9.690	Fig.28	9.539	Fig.29	9.481	Fig.30
	1732.5	20175		50	0	9.645	Fig.31	9.601	Fig.32	9.533	Fig.33
	1750	20350		50	0	9.505	Fig.34	9.552	Fig.35	9.656	Fig.36
	1717.5	20025	15	75	0	14.34	Fig.37	14.21	Fig.38	14.15	Fig.39
	1732.5	20175		75	0	14.36	Fig.40	14.23	Fig.41	14.35	Fig.42
	1747.5	20325		75	0	14.49	Fig.43	14.42	Fig.44	14.38	Fig.45
	1720	20050	20	100	0	18.80	Fig.46	19.05	Fig.47	19.16	Fig.48
	1732.5	20175		100	0	19.30	Fig.49	18.87	Fig.50	19.04	Fig.51
	1745	20300		100	0	19.16	Fig.52	19.07	Fig.53	19.11	Fig.54

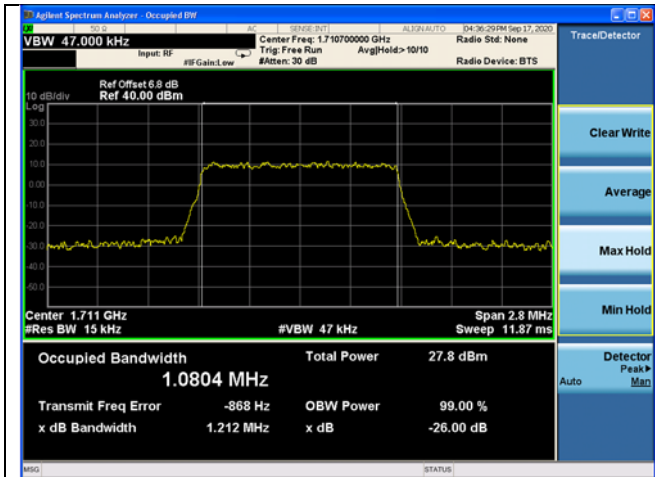


Fig.1

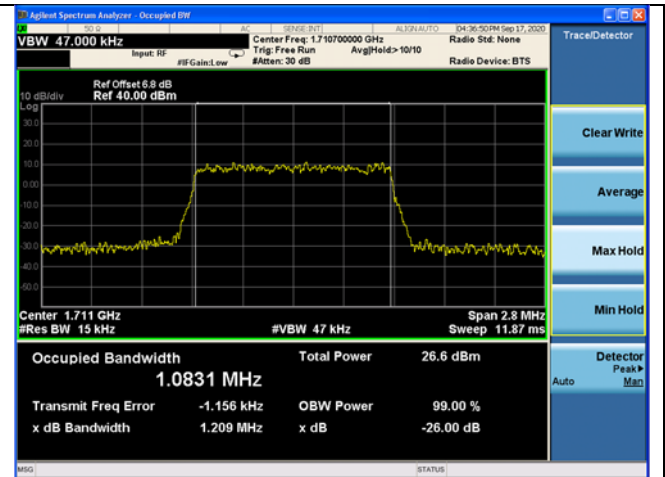


Fig.2

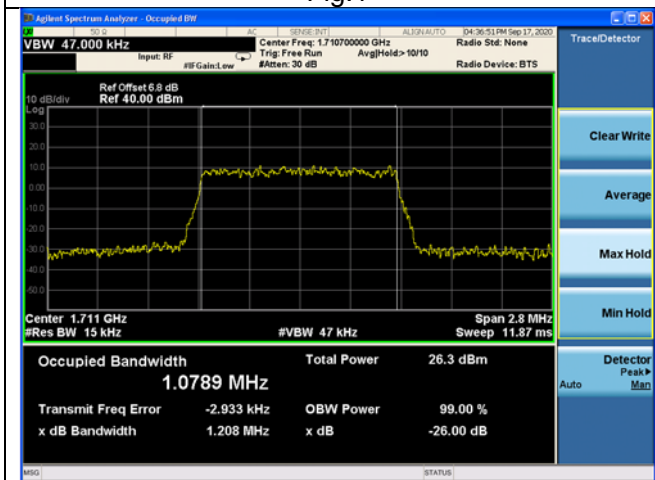


Fig.3

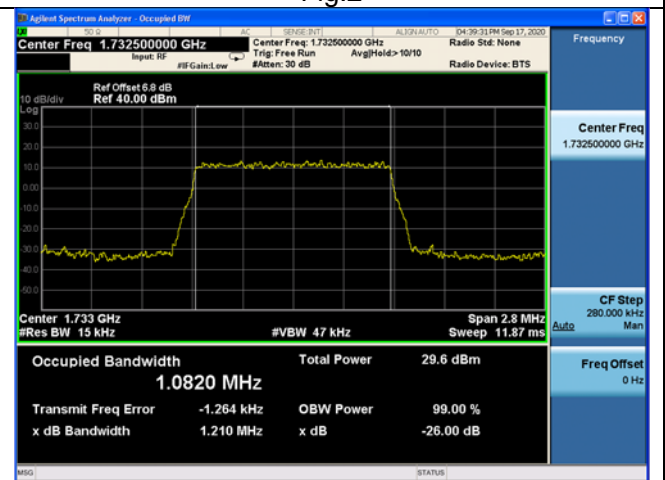


Fig.4

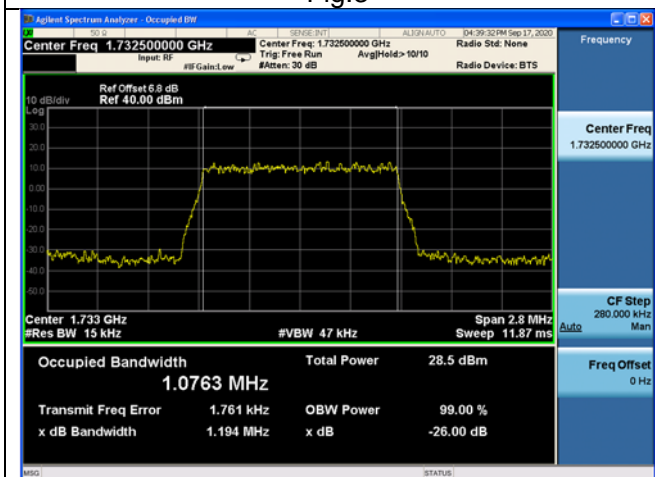


Fig.5

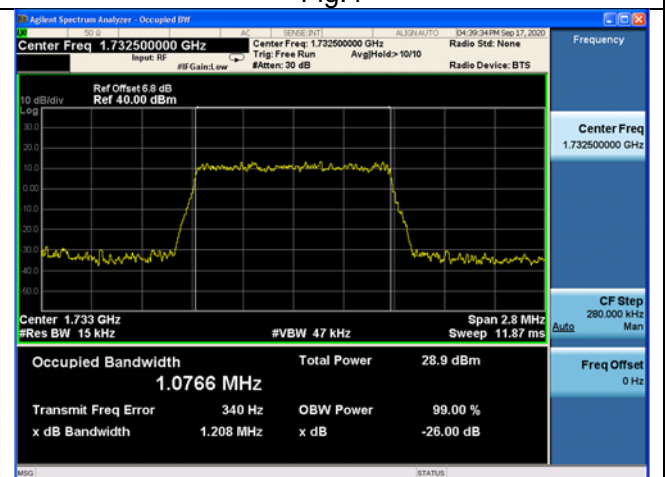


Fig.6

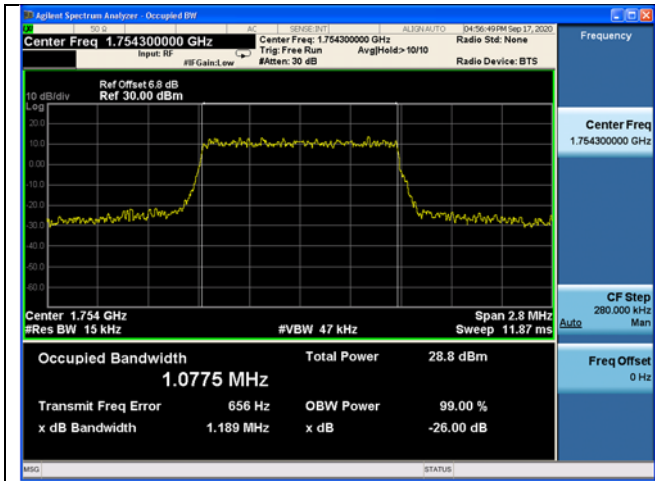


Fig.7

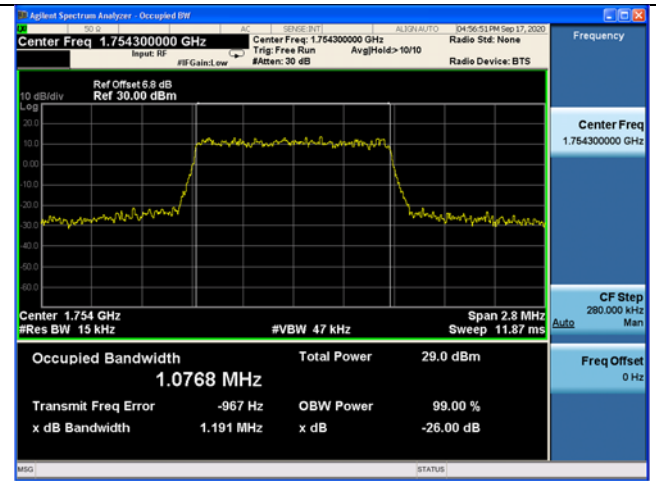


Fig.8

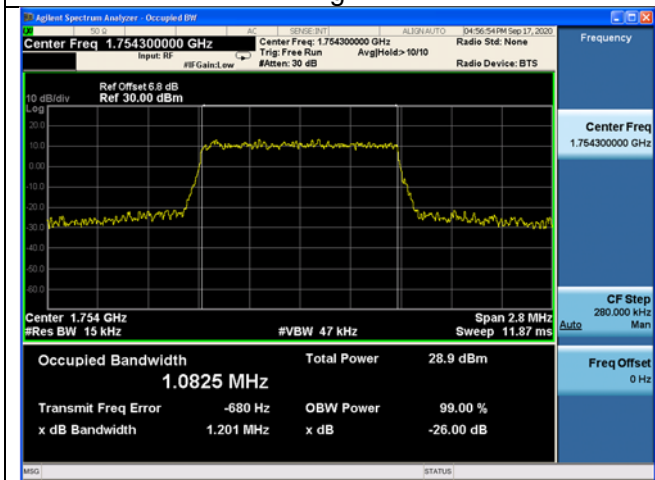


Fig.9

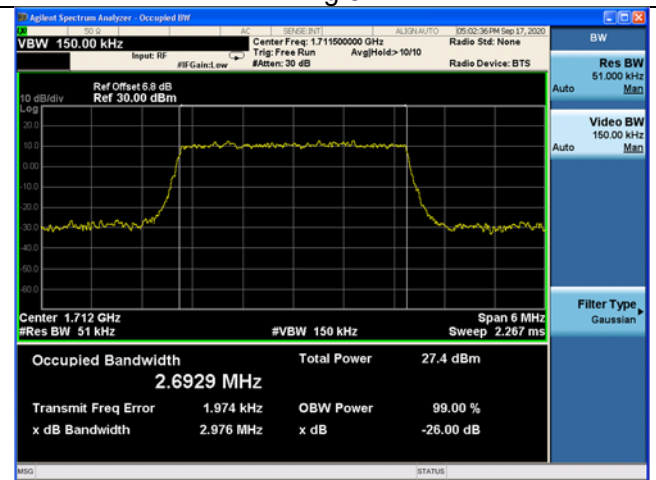


Fig.10

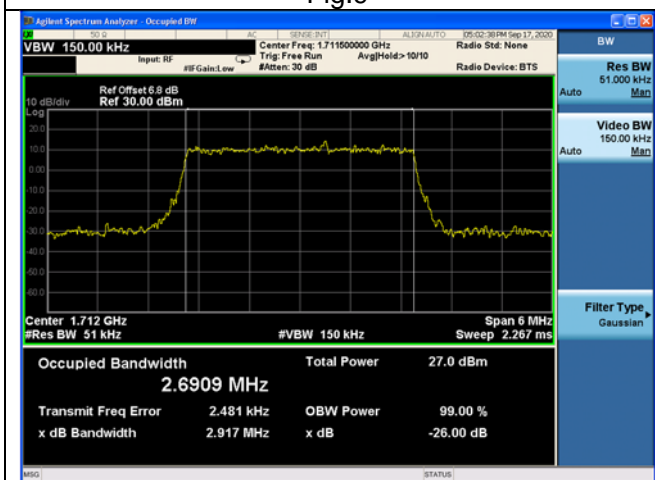


Fig.11

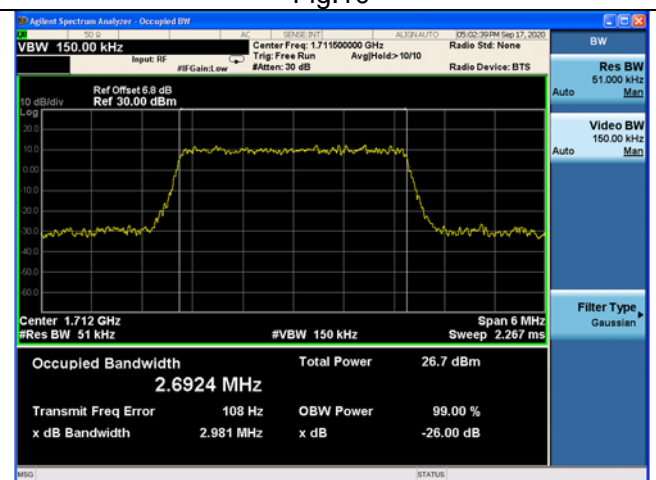


Fig.12

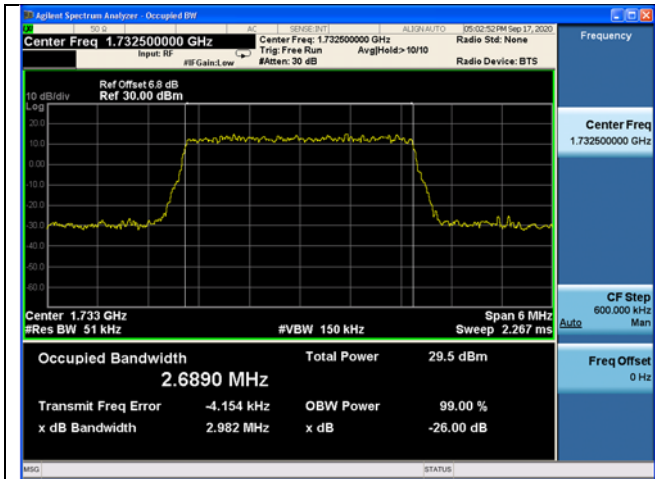


Fig.13

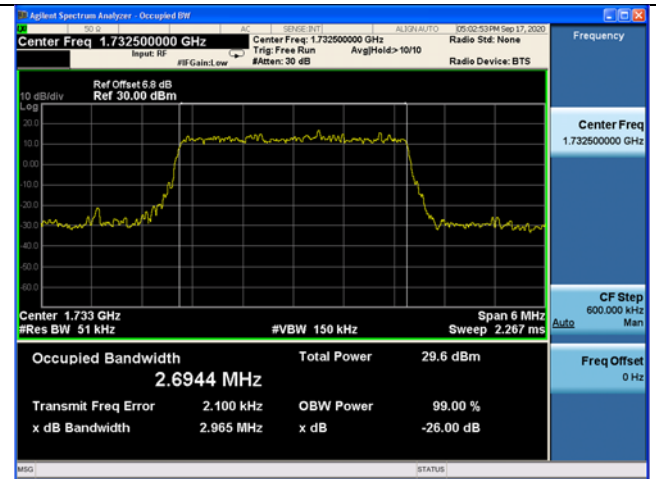


Fig.14

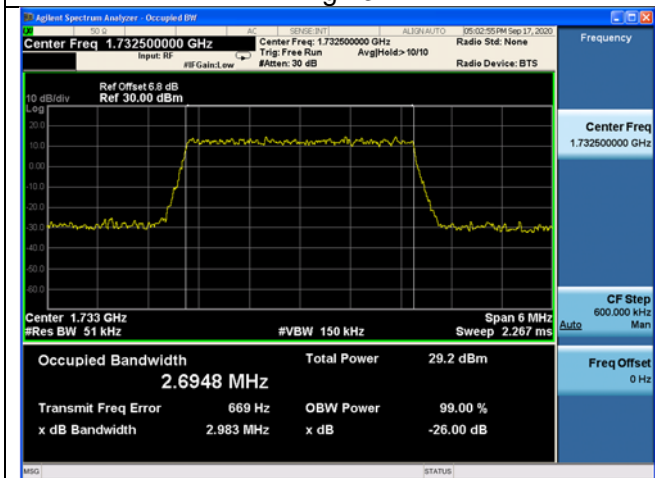


Fig.15

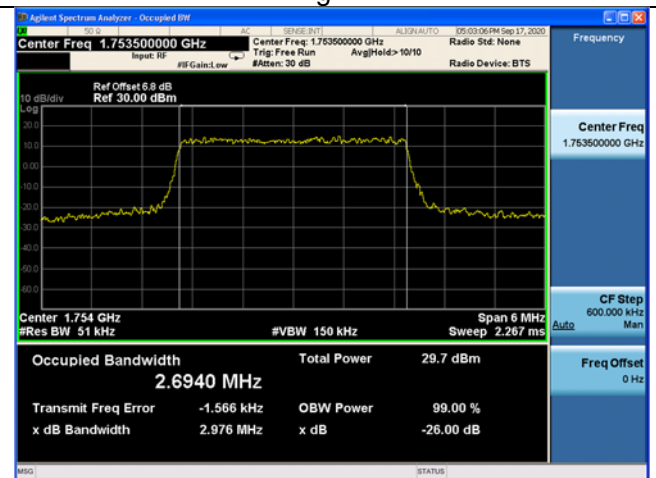


Fig.16

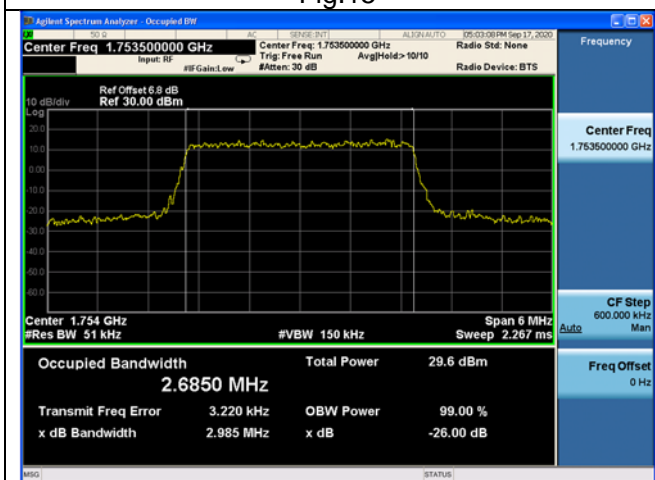


Fig.17

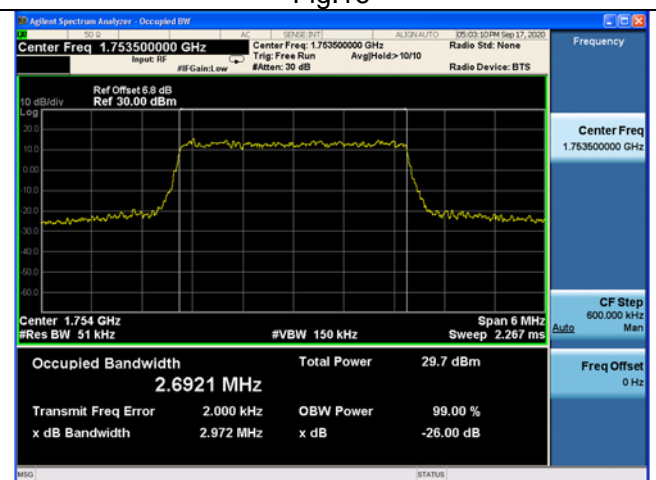


Fig.18

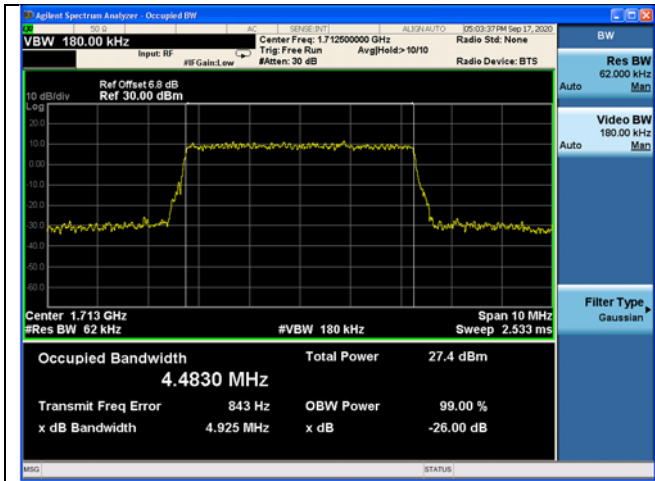


Fig.19

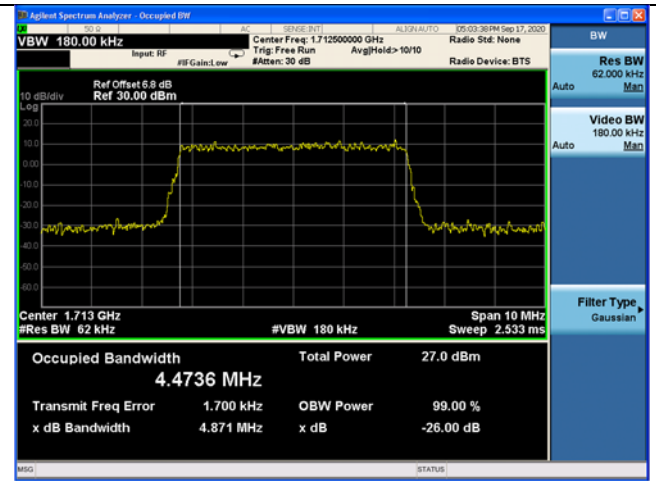


Fig.20

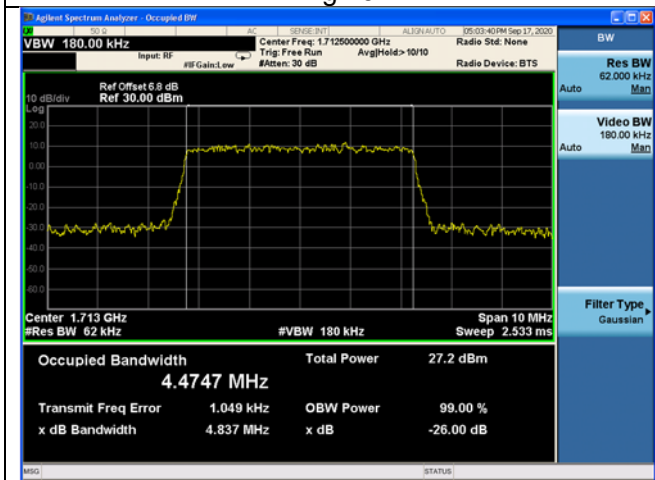


Fig.21

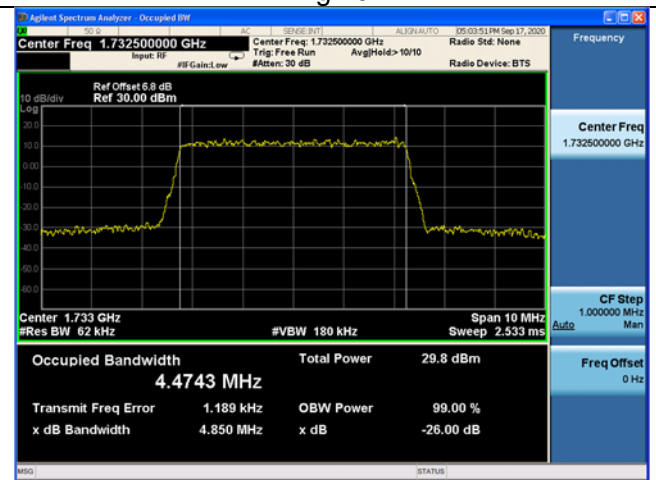


Fig.22

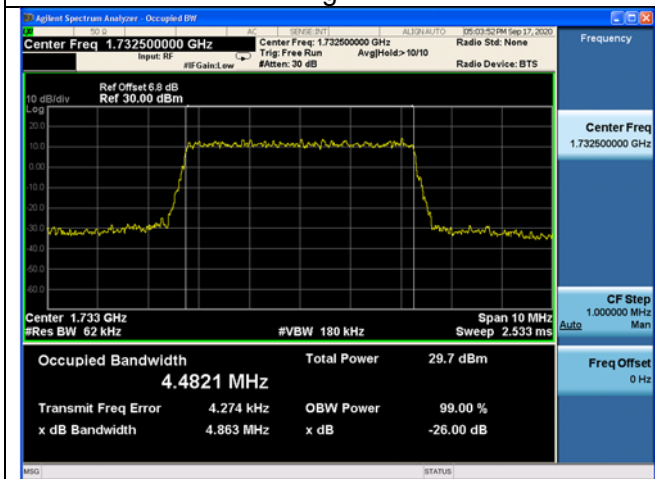


Fig.23

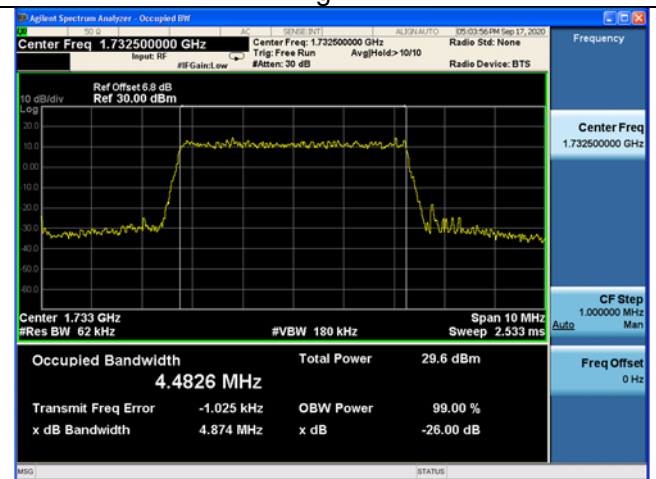


Fig.24

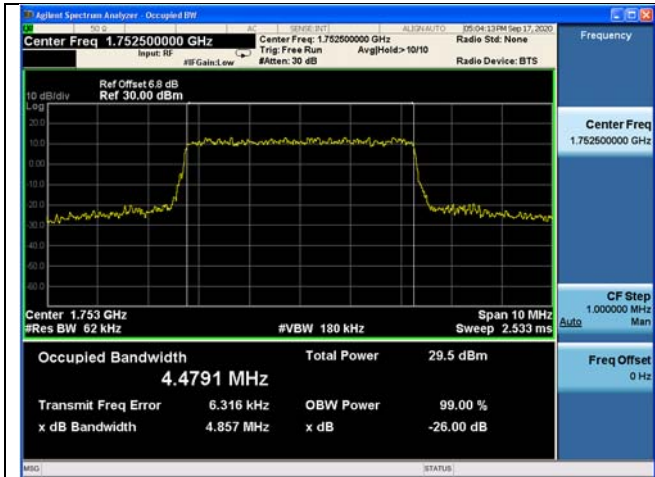


Fig.25

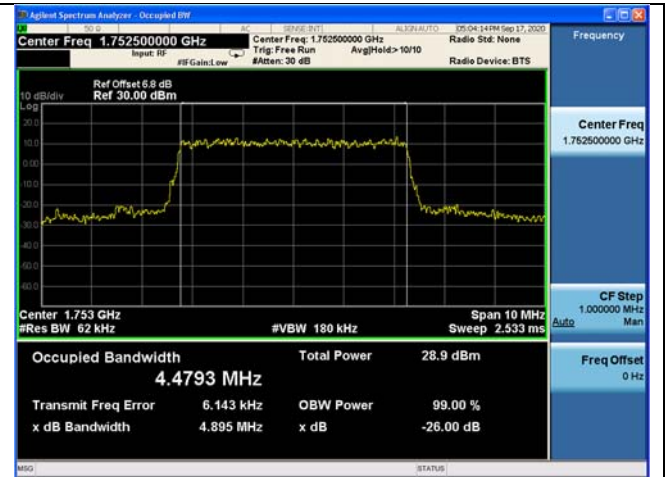


Fig.26

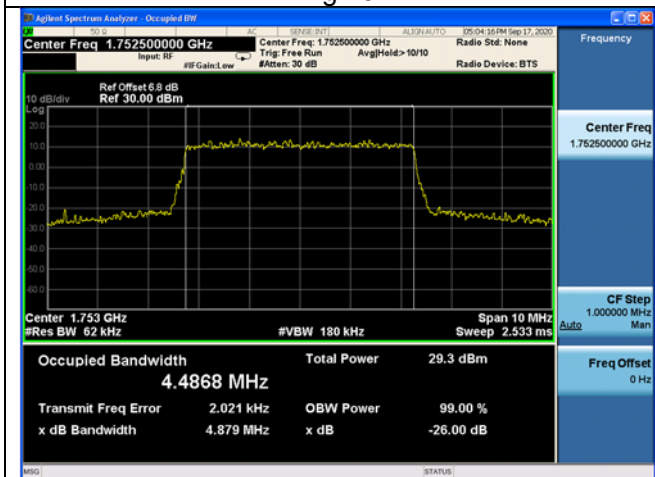


Fig.27

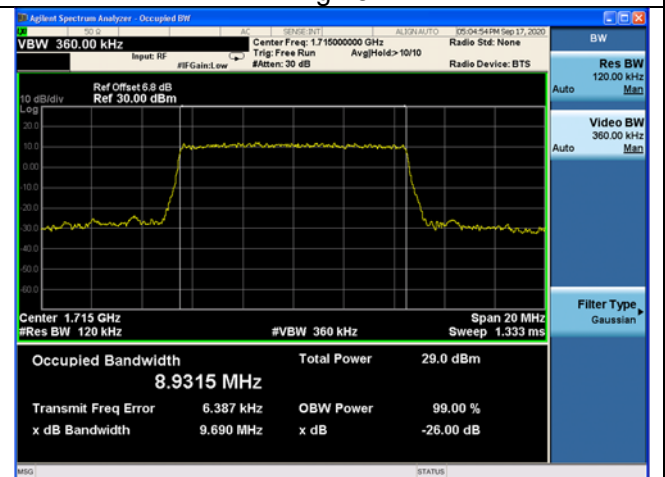


Fig.28

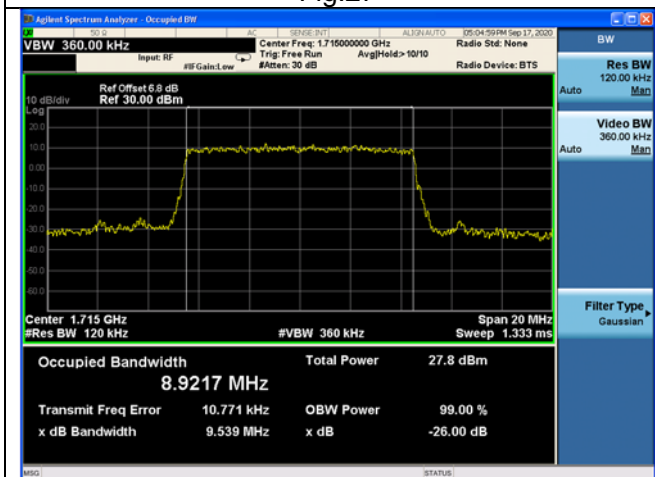


Fig.29

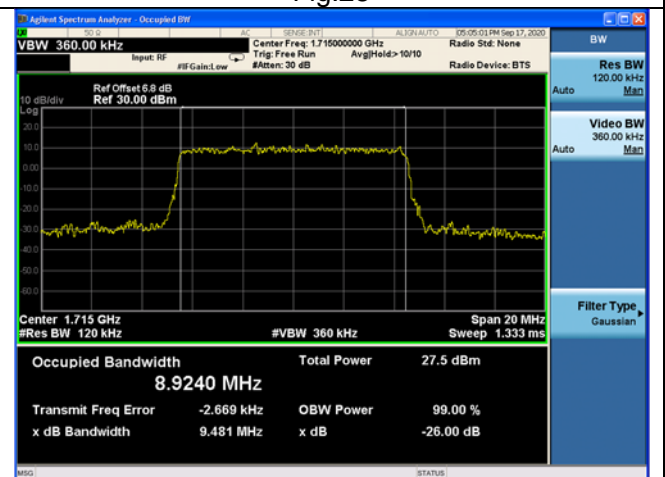


Fig.30

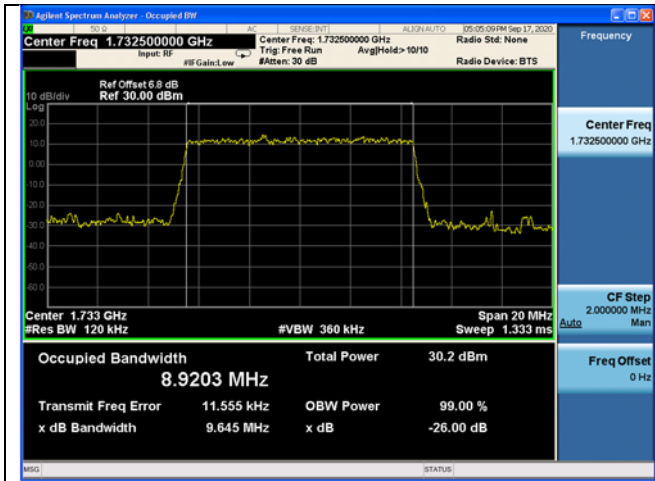


Fig.31

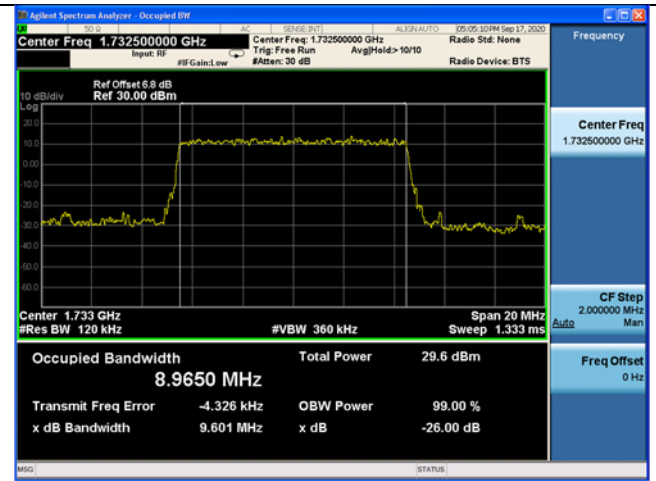


Fig.32

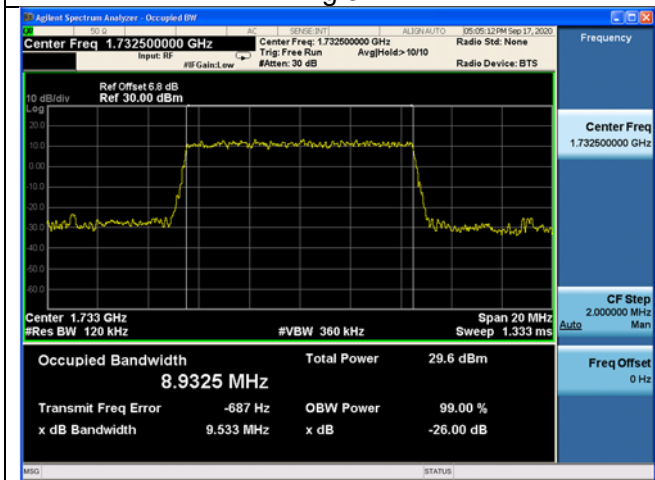


Fig.33

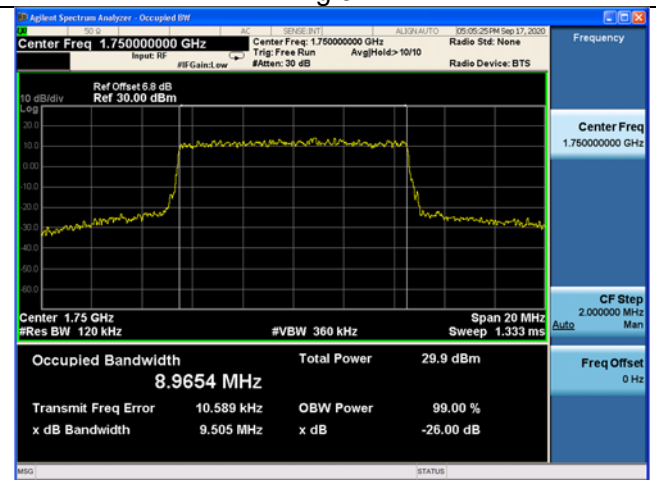


Fig.34

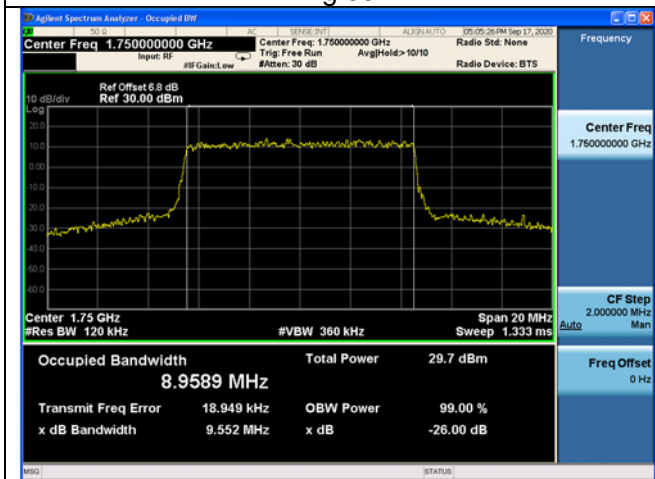


Fig.35

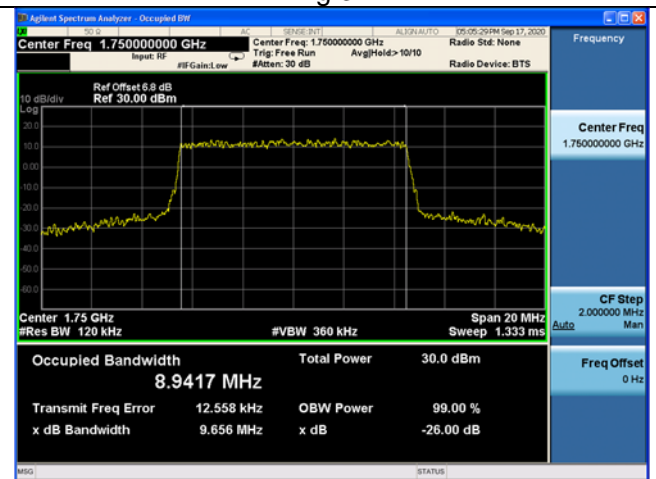


Fig.36

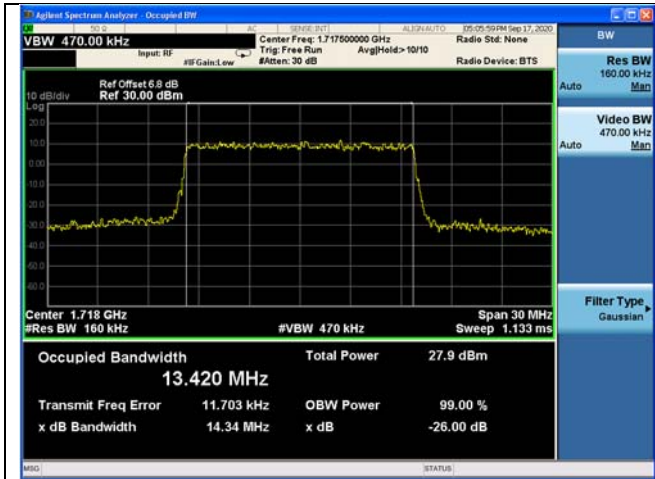


Fig.37

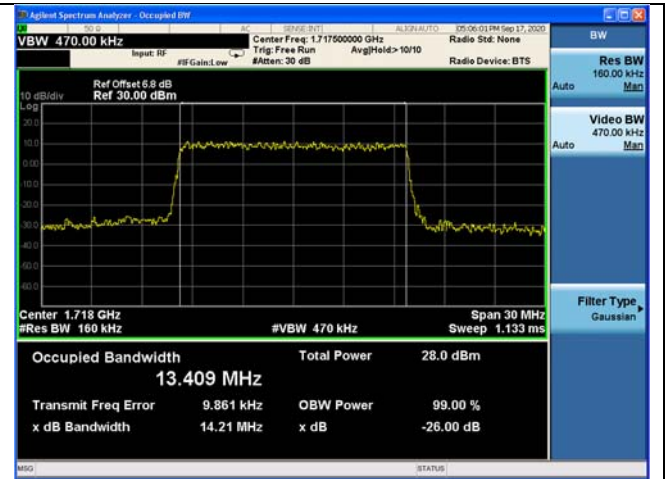


Fig.38

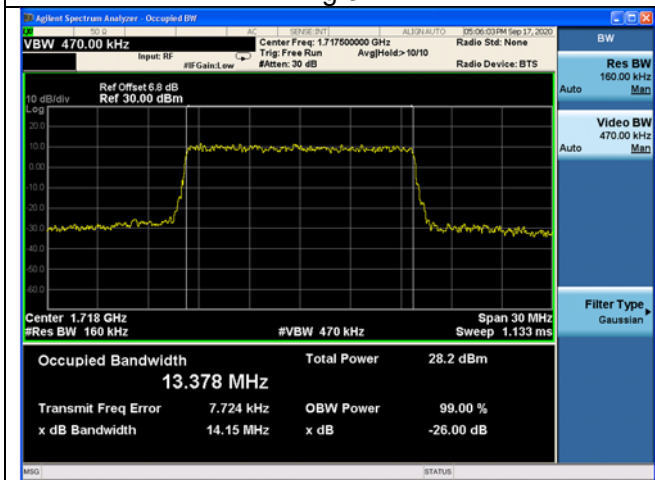


Fig.39

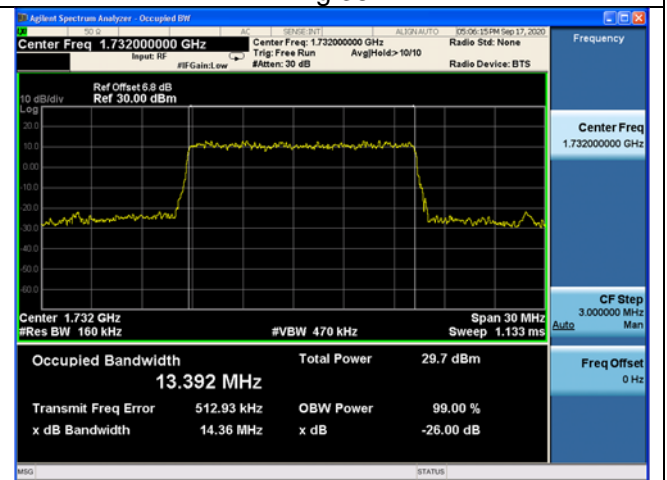


Fig.40

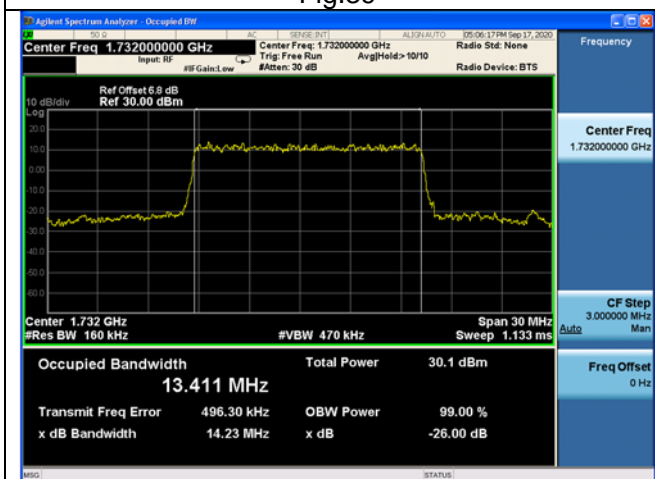


Fig.41

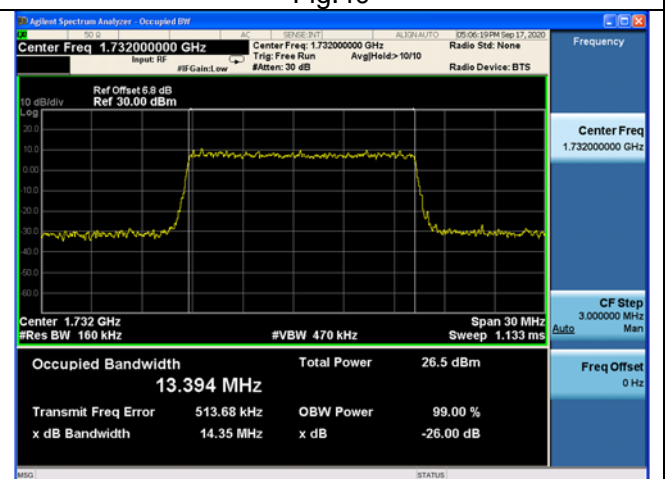


Fig.42

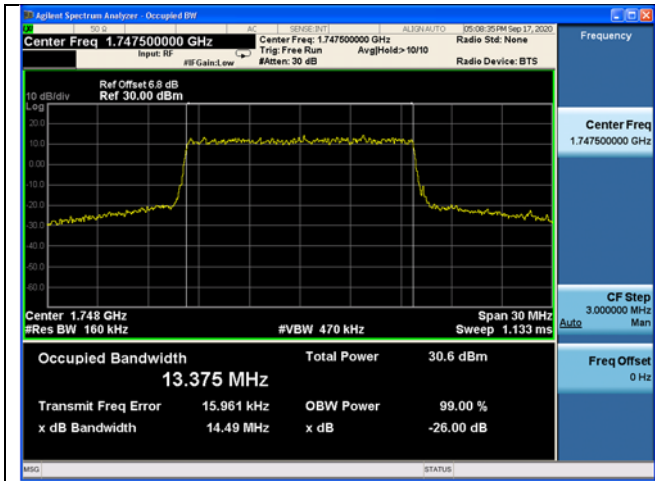


Fig.43

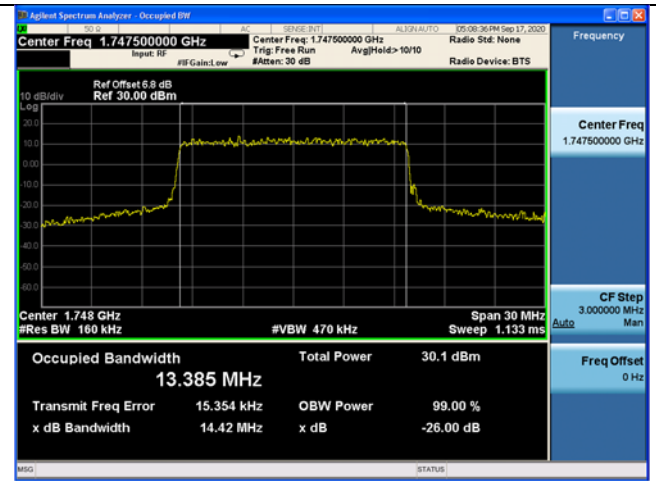


Fig.44

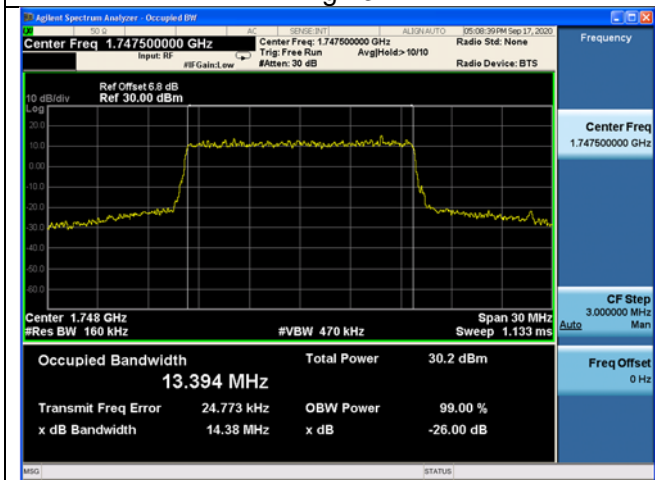


Fig.45

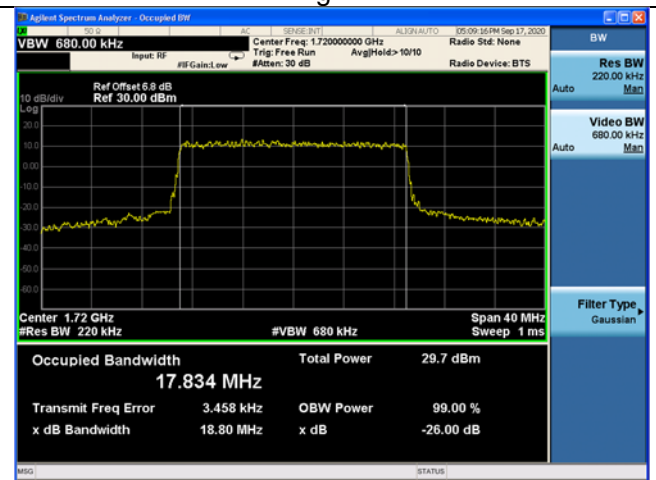


Fig.46

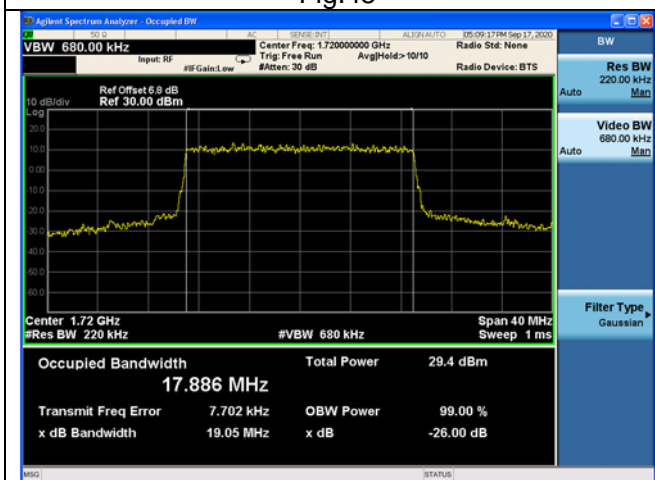


Fig.47

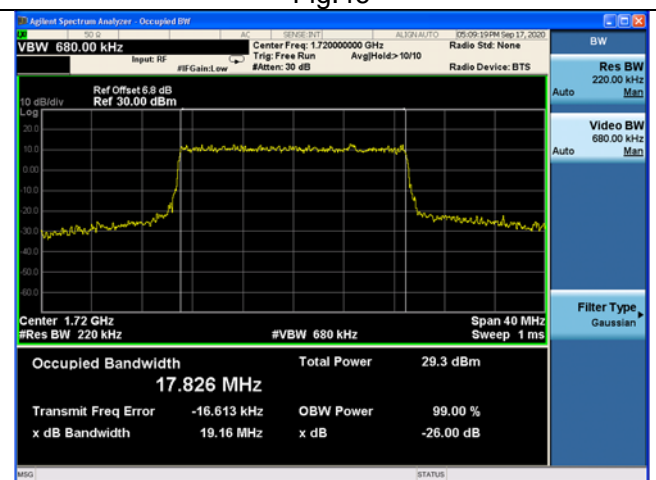


Fig.48

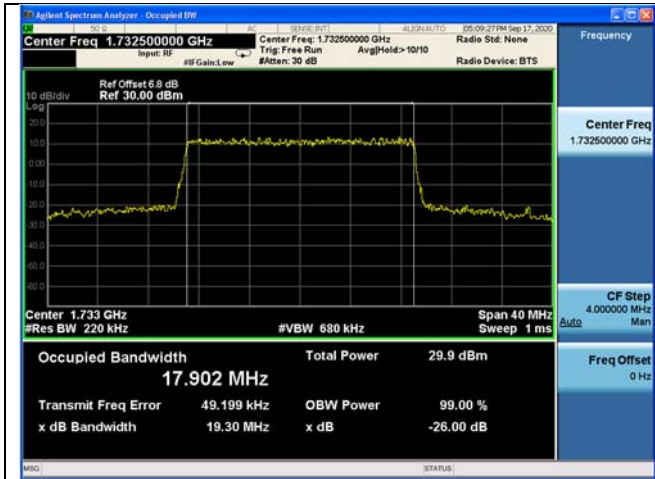


Fig.49

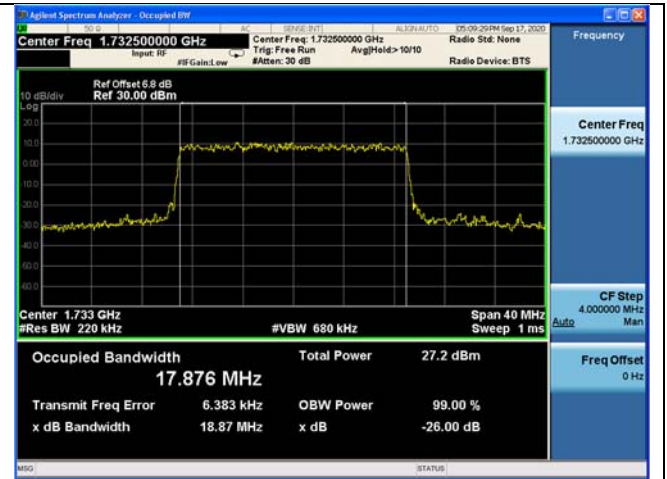


Fig.50

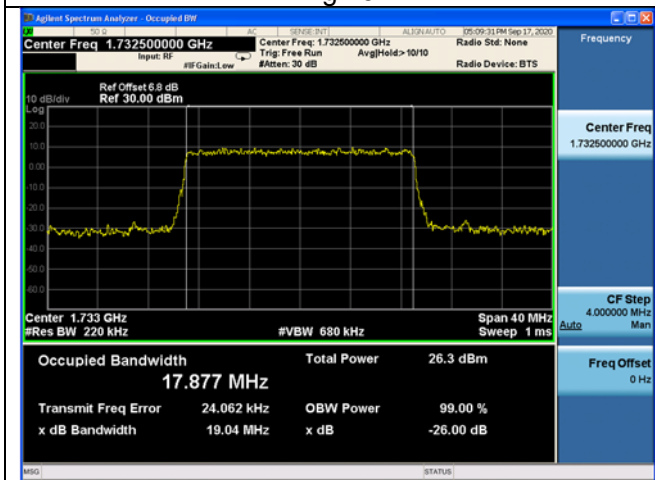


Fig.51

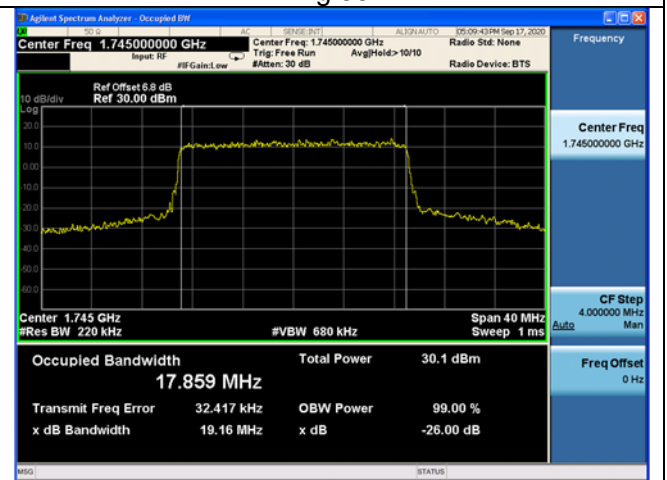


Fig.52

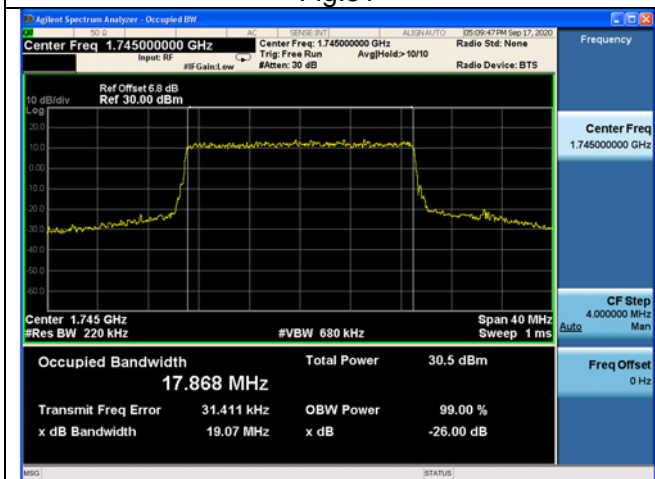


Fig.53

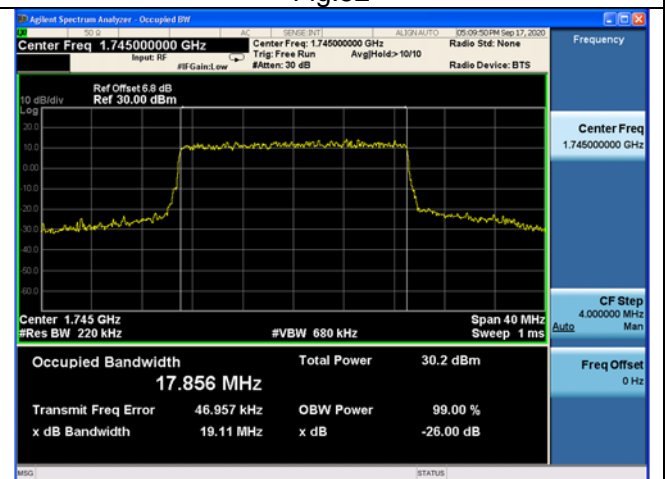


Fig.54

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
4	1732.5	20175	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
			15	1	0	Fig.13	Fig.14	Fig.15
			20	1	0	Fig.16	Fig.17	Fig.18

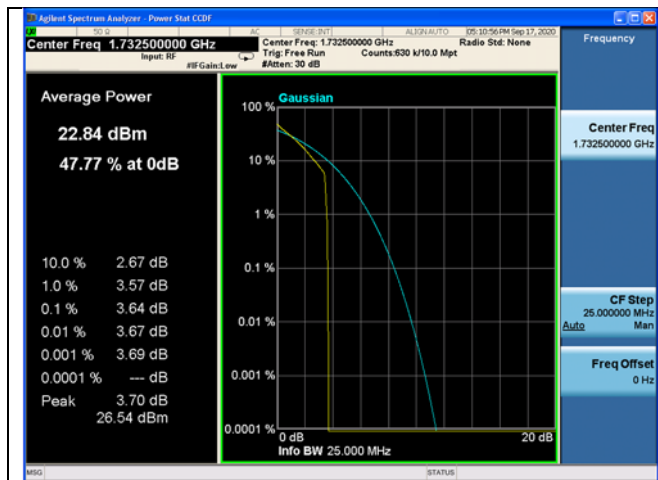


Fig.1

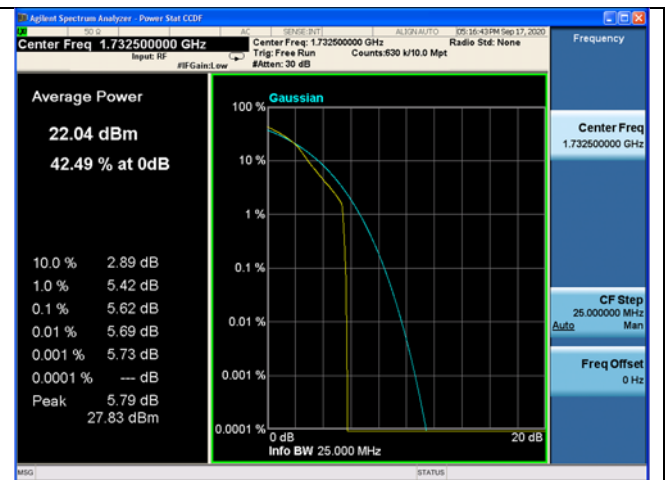


Fig.2

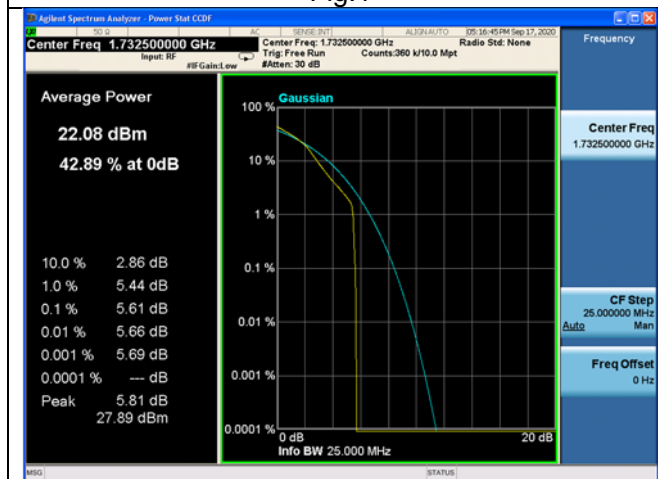


Fig.3

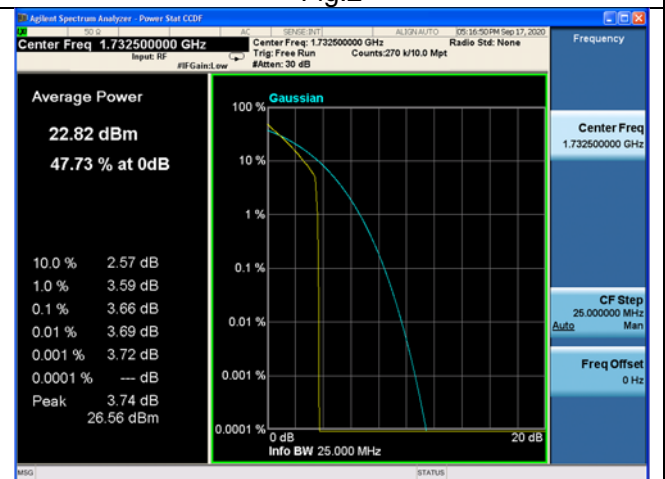


Fig.4

