

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	22.56
				1	5	22.40
				3	2	21.64
				6	0	21.54
	707.5	23095		1	0	22.41
				1	5	22.61
				3	2	21.40
				6	0	21.40
	715.3	23173		1	0	22.11
				1	5	22.18
				3	2	21.48
				6	0	21.37
16QAM	699.7	23017	1.4	1	0	21.19
				1	5	21.13
				3	2	20.62
				6	0	20.67
	707.5	23095		1	0	20.79
				1	5	21.13
				3	2	20.23
				6	0	20.71
	715.3	23173		1	0	20.96
				1	5	21.65
				3	2	20.62
				6	0	20.64
64QAM	699.7	23017	1.4	1	0	21.17
				1	5	21.04
				3	2	20.49
				6	0	20.68
	707.5	23095		1	0	20.73
				1	5	21.25
				3	2	20.26
				6	0	20.53
	715.3	23173		1	0	20.78
				1	5	21.10
				3	2	20.81
				6	0	20.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	22.48
				1	14	22.47
				8	4	21.53
				15	0	21.57
	707.5	23095		1	0	22.44
				1	14	22.47
				8	4	21.46
				15	0	21.62
	714.5	23165		1	0	22.10
				1	14	22.20
				8	4	21.40
				15	0	21.57
16QAM	700.5	23025	3	1	0	20.97
				1	14	21.31
				8	4	20.62
				15	0	20.76
	707.5	23095		1	0	20.81
				1	14	21.04
				8	4	20.19
				15	0	20.56
	714.5	23165		1	0	20.91
				1	14	21.61
				8	4	20.44
				15	0	20.63
64QAM	700.5	23025	3	1	0	21.04
				1	14	21.20
				8	4	20.38
				15	0	20.63
	707.5	23095		1	0	20.75
				1	14	21.33
				8	4	20.50
				15	0	20.55
	714.5	23165		1	0	20.86
				1	14	21.01
				8	4	20.95
				15	0	20.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	22.41
				1	24	22.50
				12	6	21.47
				25	0	21.62
	707.5	23095		1	0	22.40
				1	24	22.51
				12	6	21.48
				25	0	21.35
	713.5	23155		1	0	22.10
				1	24	22.15
				12	6	21.50
				25	0	21.59
16QAM	701.5	23035	5	1	0	21.23
				1	24	21.20
				12	6	20.59
				25	0	20.71
	707.5	23095		1	0	20.90
				1	24	21.26
				12	6	20.40
				25	0	20.47
	713.5	23155		1	0	20.98
				1	24	21.52
				12	6	20.48
				25	0	20.45
64QAM	701.5	23035	5	1	0	21.02
				1	24	21.16
				12	6	20.40
				25	0	20.72
	707.5	23095		1	0	20.82
				1	24	21.16
				12	6	20.40
				25	0	20.57
	713.5	23155		1	0	20.97
				1	24	21.25
				12	6	20.78
				25	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.69
				1	49	22.73
				24	12	21.86
				50	0	21.83
	707.5	23095		1	0	22.69
				1	49	22.80
				24	12	21.74
				50	0	21.73
	711	23130		1	0	22.28
				1	49	22.54
				24	12	21.74
				50	0	21.73
16QAM	704	23060	10	1	0	21.35
				1	49	21.47
				24	12	20.84
				50	0	20.95
	707.5	23095		1	0	21.15
				1	49	21.39
				24	12	20.55
				50	0	20.82
	711	23130		1	0	21.17
				1	49	21.84
				24	12	20.79
				50	0	20.77
64QAM	704	23060	10	1	0	21.40
				1	49	21.37
				24	12	20.66
				50	0	20.85
	707.5	23095		1	0	21.01
				1	49	21.48
				24	12	20.63
				50	0	20.82
	711	23130		1	0	21.11
				1	49	21.36
				24	12	21.13
				50	0	20.82

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	
12	699.7	23017	1.4	6	0	1.0761	Fig.1	1.0783	Fig.2	1.0765	Fig.3
	707.5	23095		6	0	1.0789	Fig.4	1.0773	Fig.5	1.0768	Fig.6
	715.3	23173		6	0	1.0786	Fig.7	1.0809	Fig.8	1.0773	Fig.9
	700.5	23025	3	15	0	2.6897	Fig.10	2.6883	Fig.11	2.6839	Fig.12
	707.5	23095		15	0	2.6944	Fig.13	2.6902	Fig.14	2.6790	Fig.15
	714.5	23165		15	0	2.6942	Fig.16	2.6926	Fig.17	2.6878	Fig.18
	701.5	23035	5	25	0	4.4750	Fig.19	4.4695	Fig.20	4.4642	Fig.21
	707.5	23095		25	0	4.4735	Fig.22	4.4652	Fig.23	4.4542	Fig.24
	713.5	23155		25	0	4.4639	Fig.25	4.4714	Fig.26	4.4693	Fig.27
	704	23060	10	50	0	8.9130	Fig.28	8.8888	Fig.29	8.9248	Fig.30
	707.5	23095		50	0	8.9321	Fig.31	8.9475	Fig.32	8.9386	Fig.33
	711	23130		50	0	8.8712	Fig.34	8.9079	Fig.35	8.8682	Fig.36

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
12	699.7	23017	1.4	6	0	1.227	Fig.1	1.234	Fig.2	1.253	Fig.3
	707.5	23095		6	0	1.230	Fig.4	1.233	Fig.5	1.208	Fig.6
	715.3	23173		6	0	1.267	Fig.7	1.252	Fig.8	1.242	Fig.9
	700.5	23015	3	15	0	2.907	Fig.10	2.903	Fig.11	2.910	Fig.12
	707.5	23095		15	0	2.892	Fig.13	2.883	Fig.14	2.835	Fig.15
	714.5	23165		15	0	2.877	Fig.16	2.897	Fig.17	2.904	Fig.18
	701.5	23035	5	25	0	4.823	Fig.19	4.677	Fig.20	4.672	Fig.21
	707.5	23095		25	0	4.790	Fig.22	4.772	Fig.23	4.719	Fig.24
	713.5	23155		25	0	4.979	Fig.25	4.747	Fig.26	4.835	Fig.27
	704	23060	10	50	0	9.287	Fig.28	9.300	Fig.29	9.423	Fig.30
	707.5	23095		50	0	9.307	Fig.31	9.579	Fig.32	9.390	Fig.33
	711	23130		50	0	9.364	Fig.34	9.335	Fig.35	9.334	Fig.36

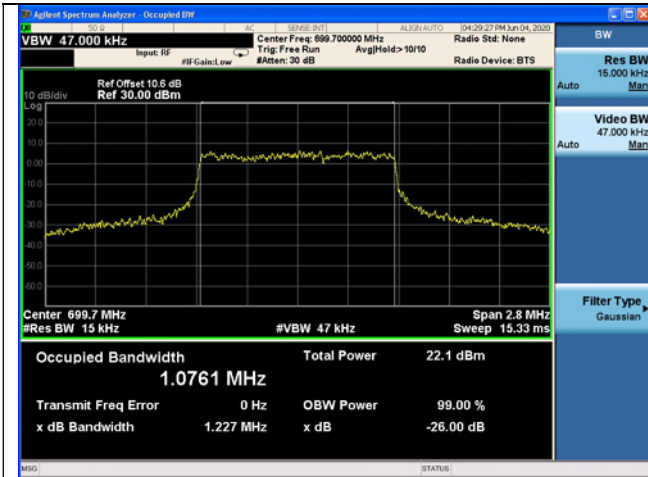


Fig.1



Fig.2

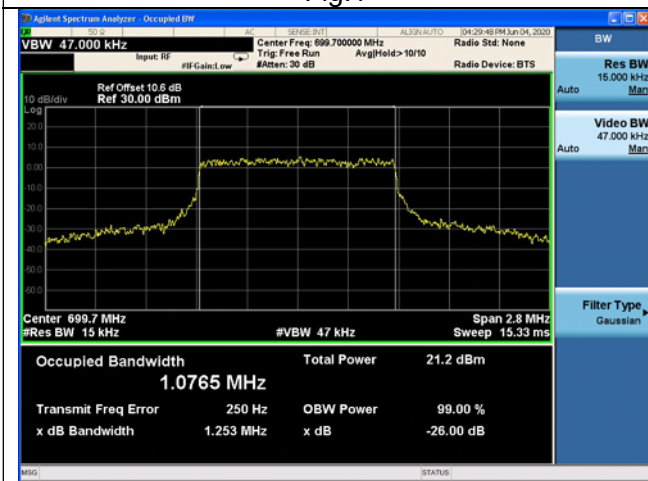


Fig.3



Fig.4

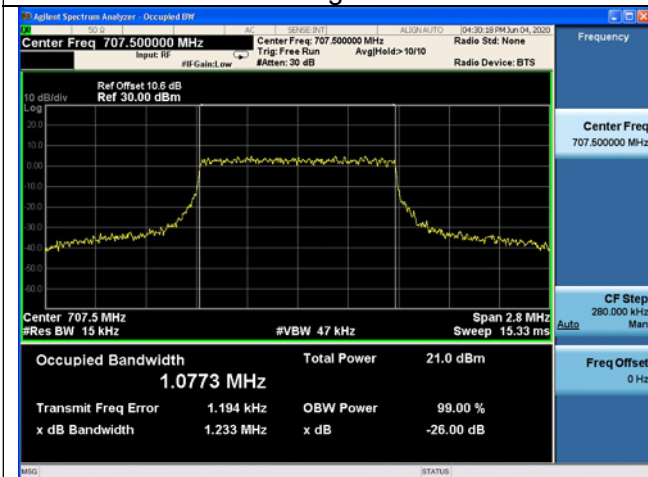


Fig.5

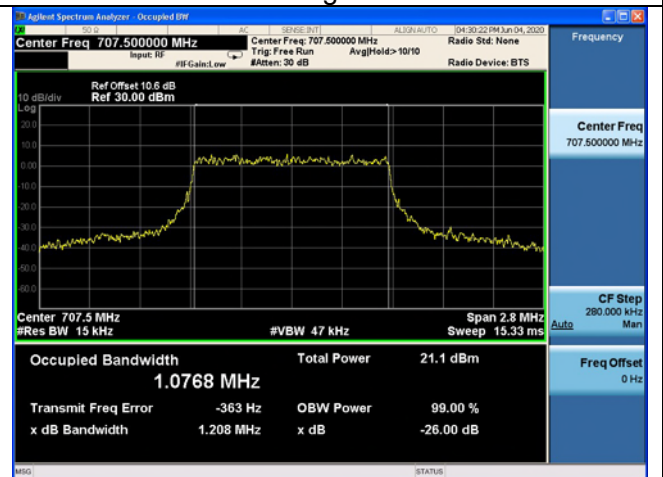


Fig.6

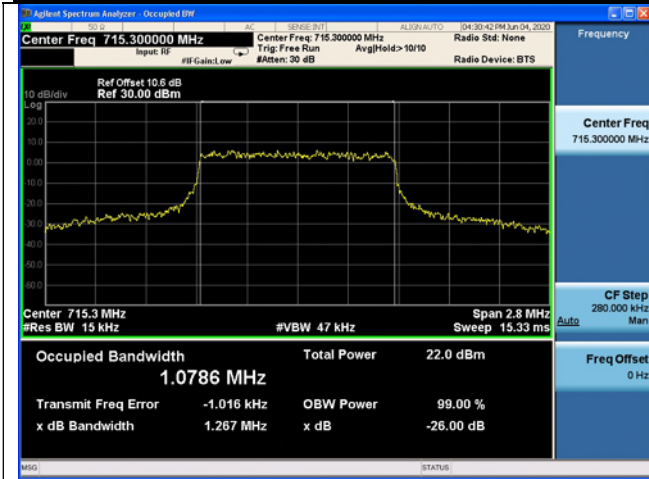


Fig.7

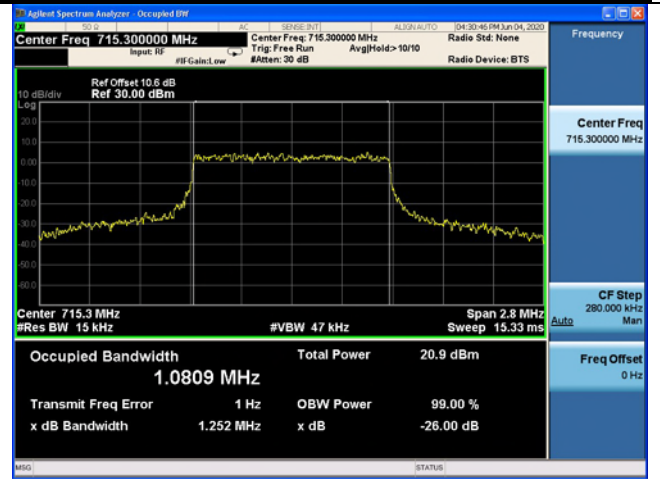


Fig.8

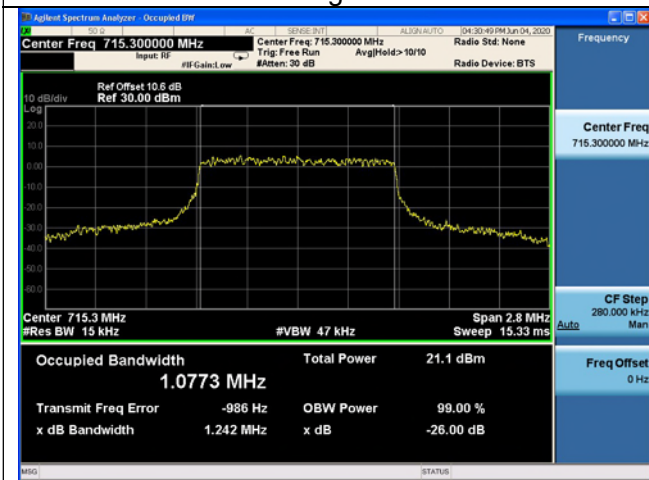


Fig.9

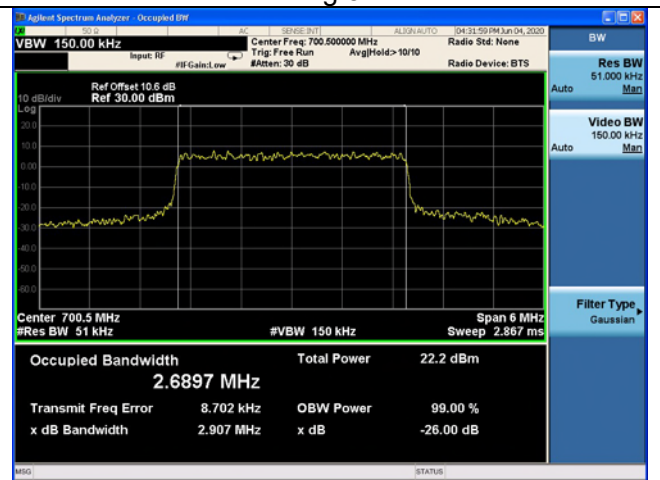


Fig.10

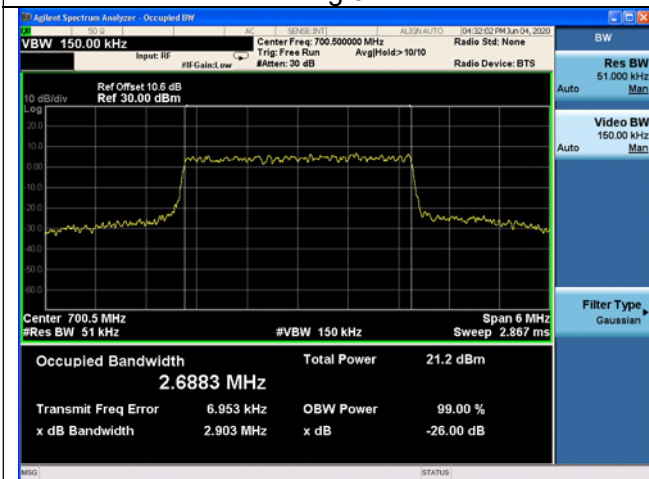


Fig.11

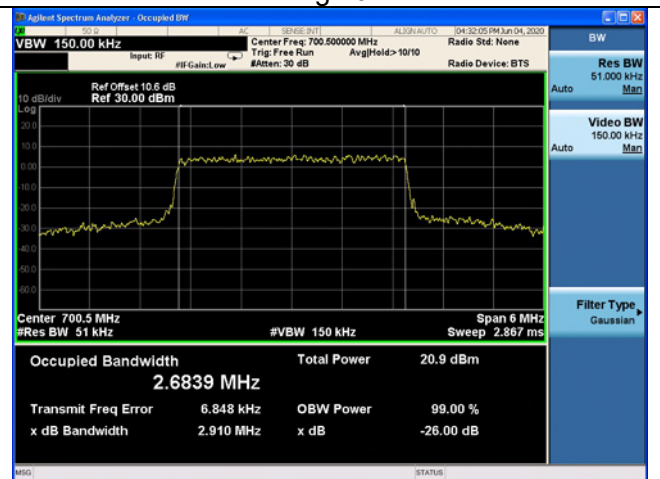


Fig.12

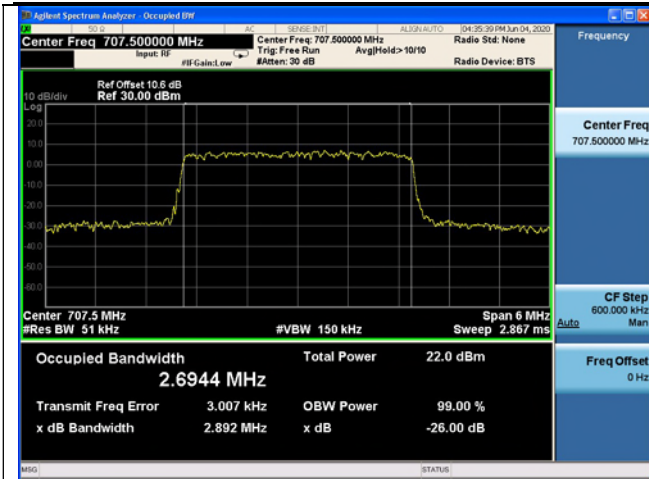


Fig.13

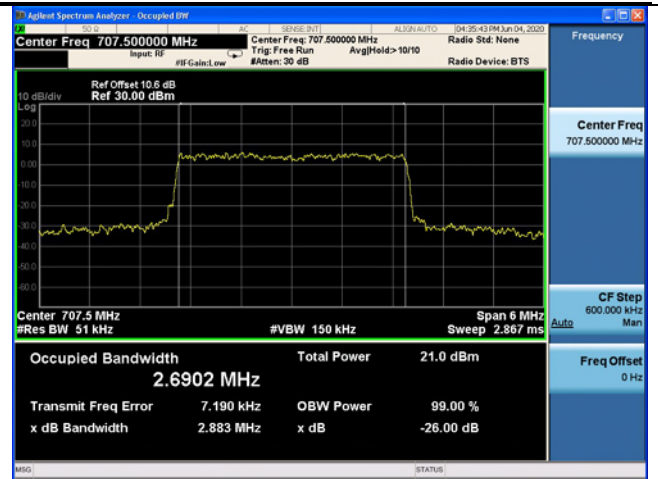


Fig.14

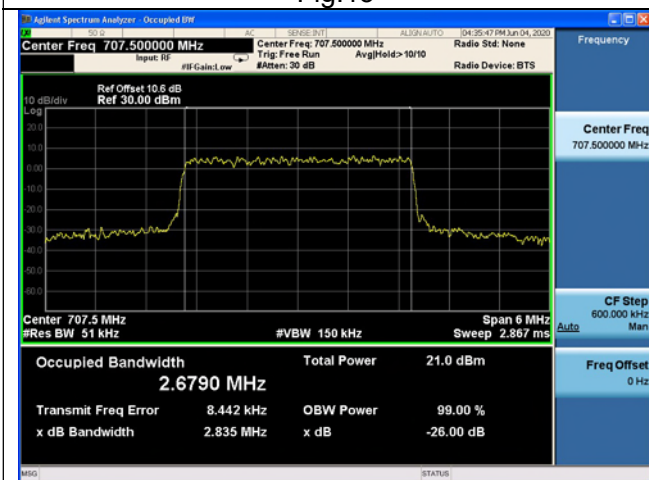


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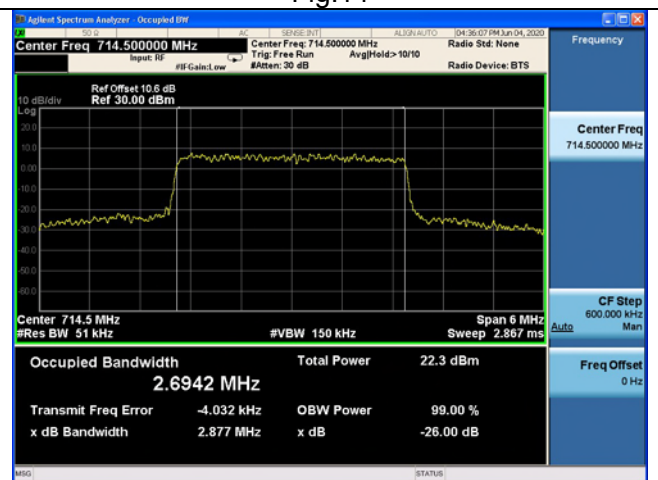


Fig.16

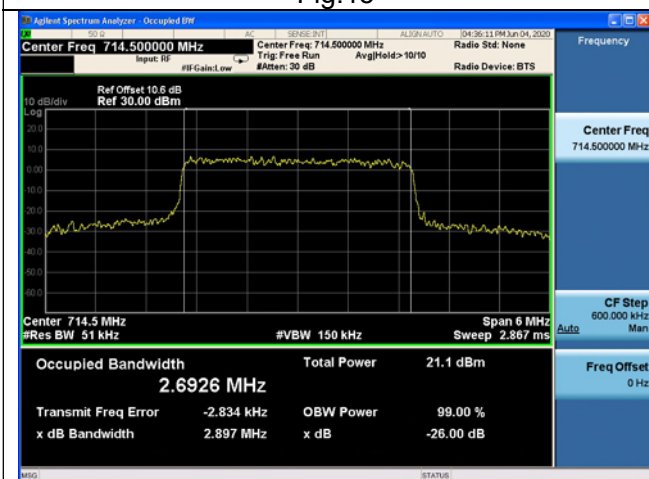


Fig.17

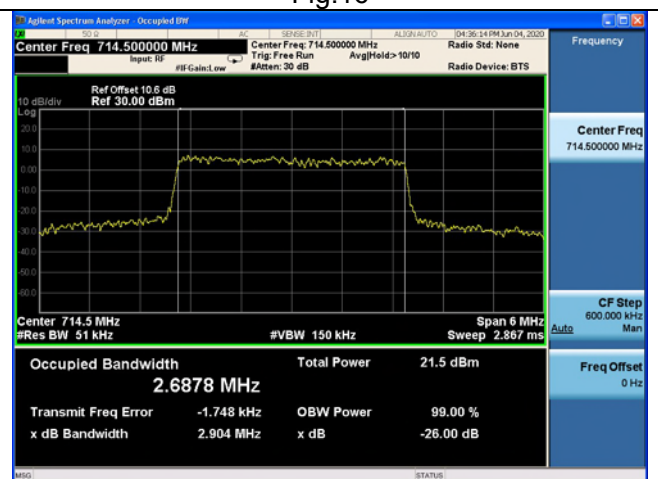


Fig.18

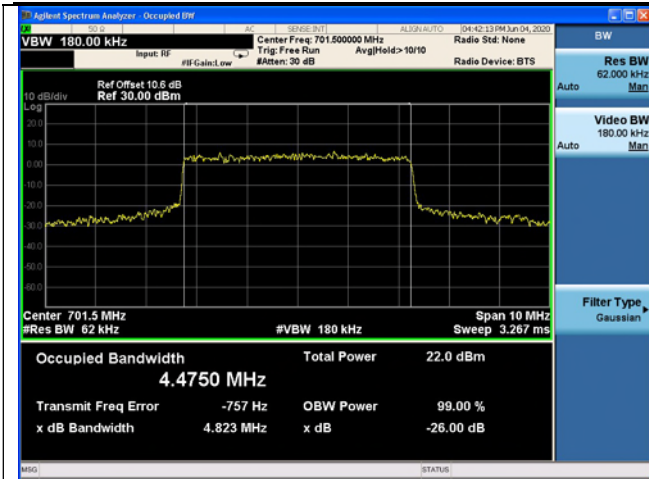


Fig.19

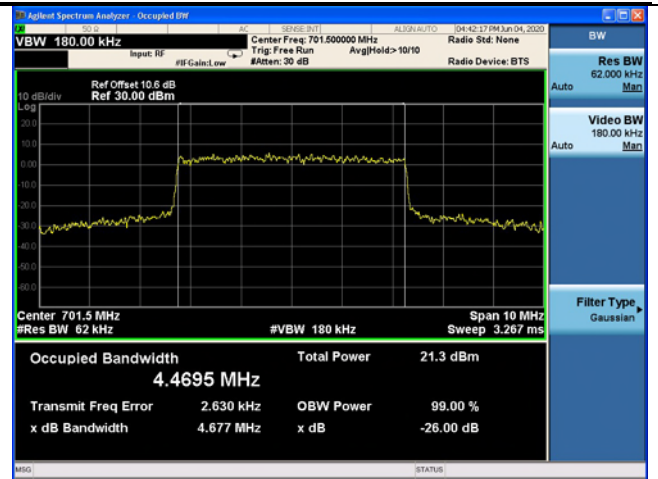


Fig.20

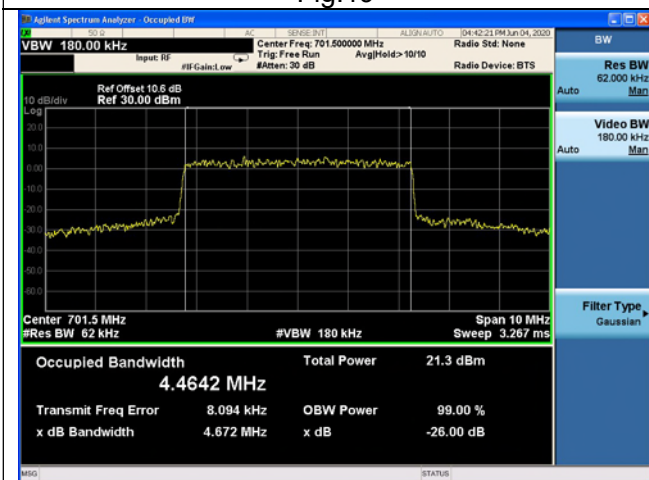


Fig.21

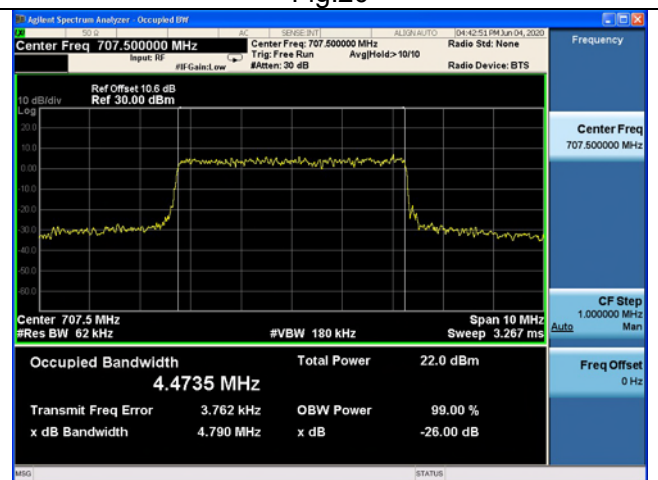


Fig.22

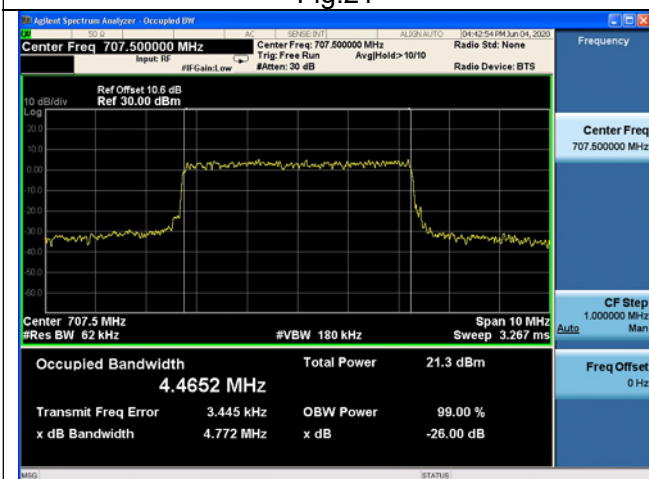


Fig.23

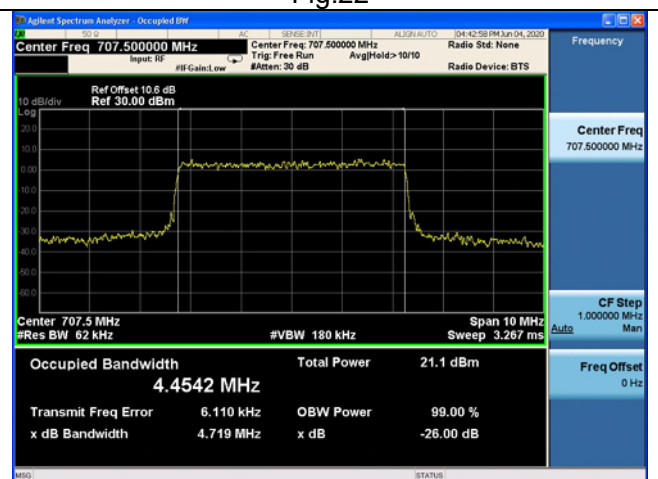


Fig.24

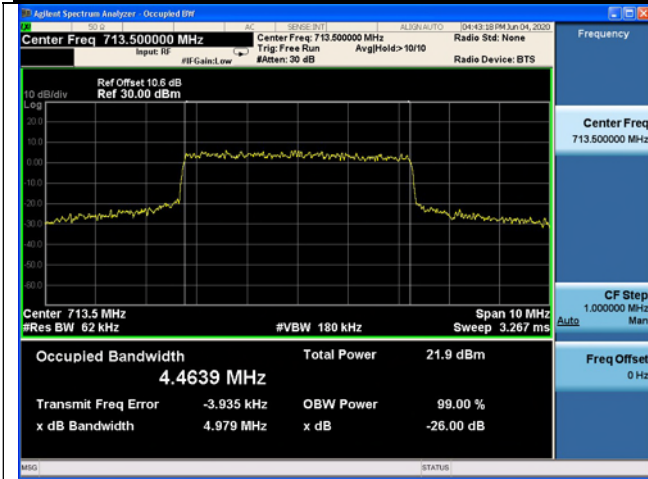


Fig.25

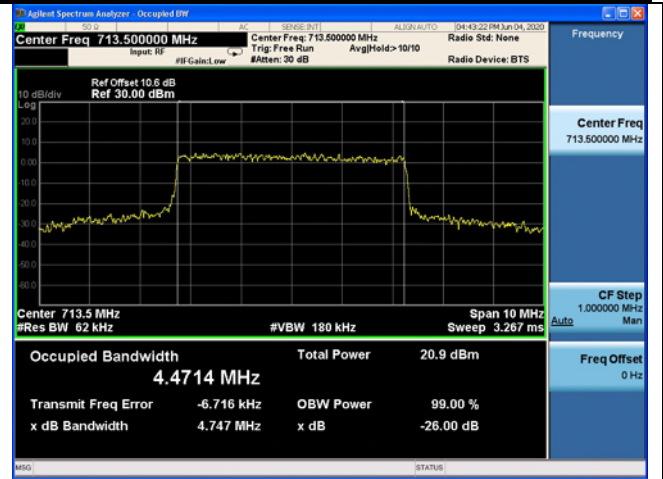


Fig.26

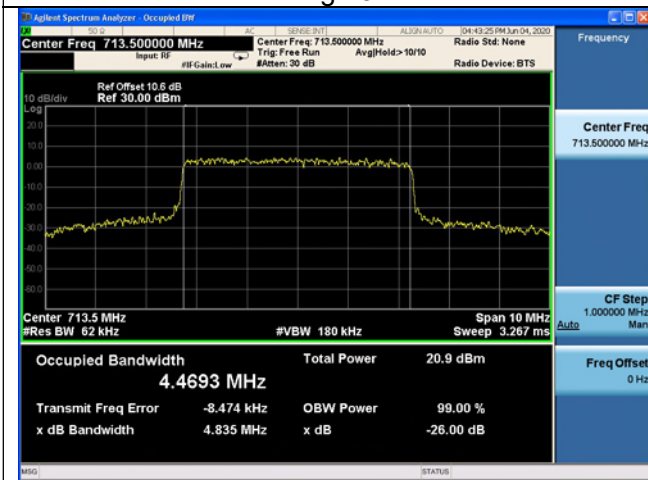


Fig.27

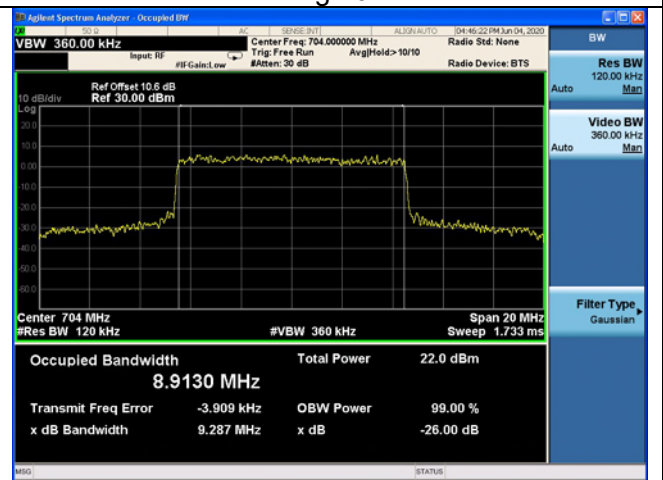


Fig.28

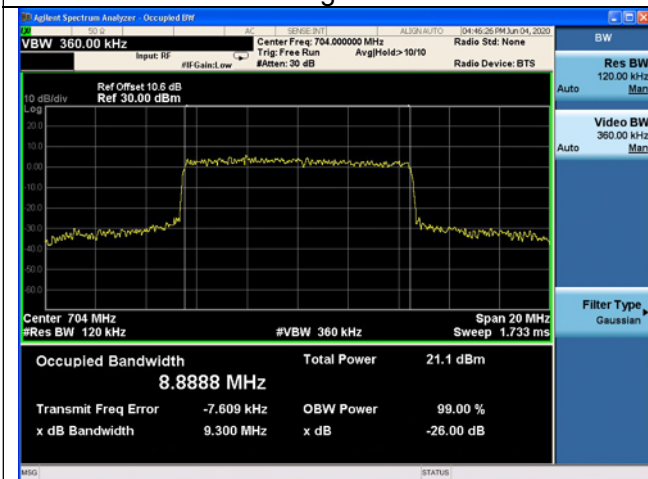


Fig.29

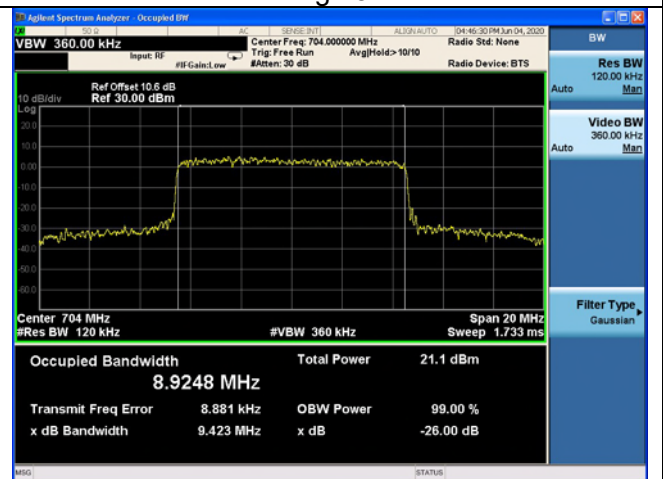


Fig.30

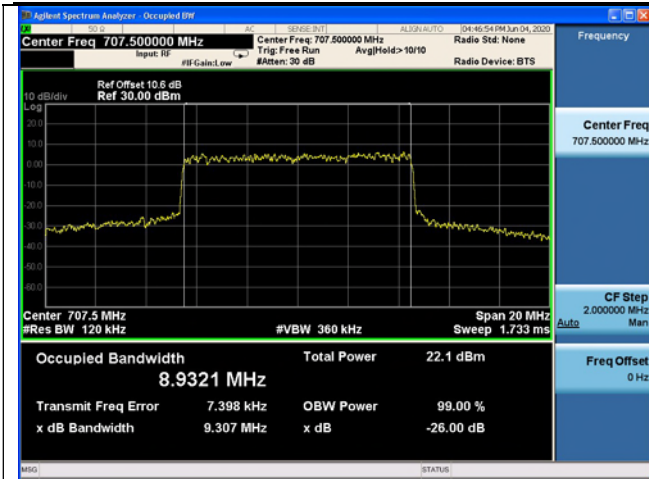


Fig.31

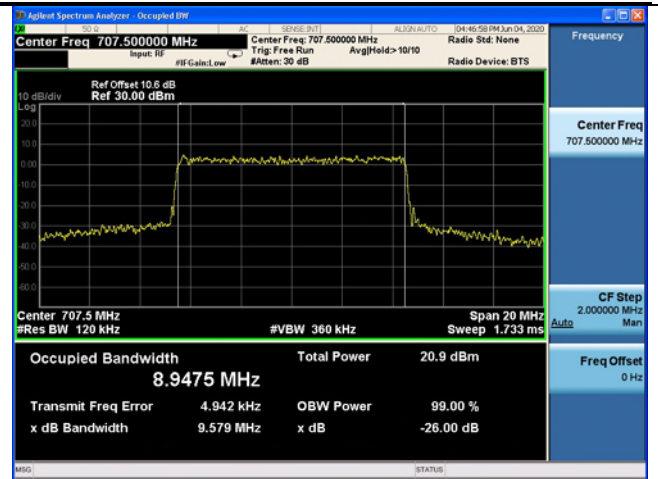


Fig.32

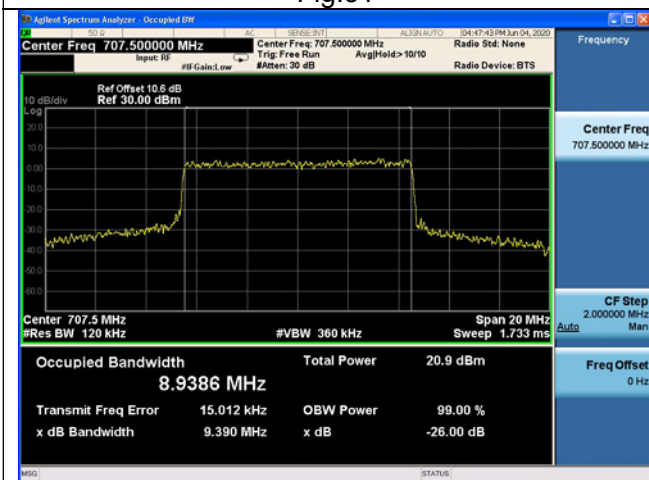


Fig.33

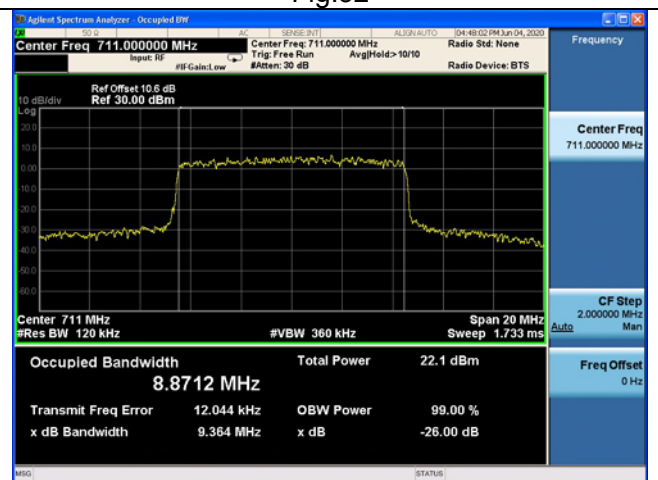


Fig.34

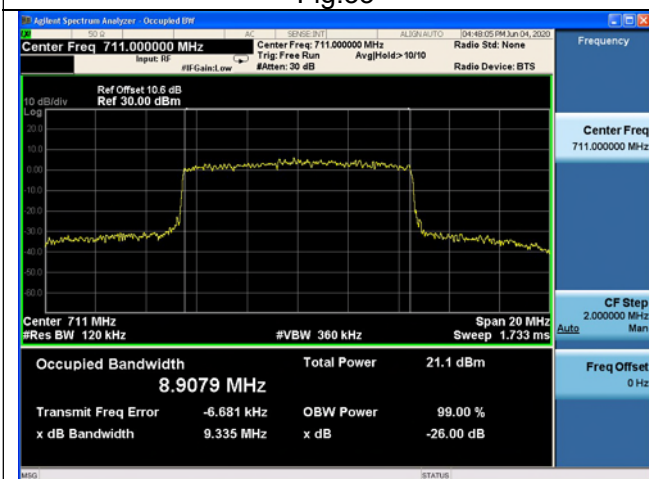


Fig.35

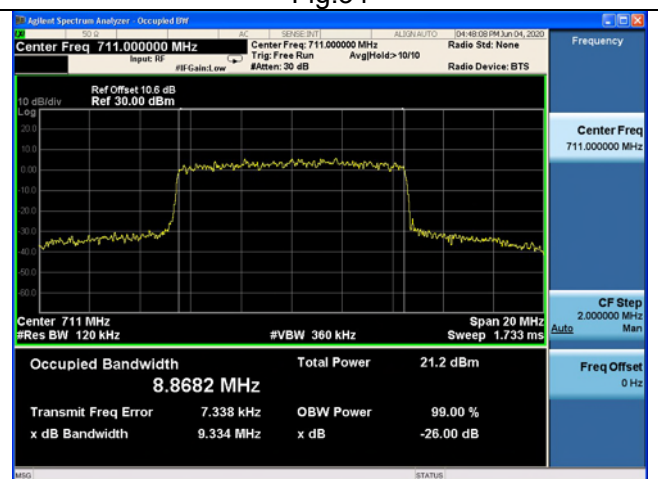


Fig.36

3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
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

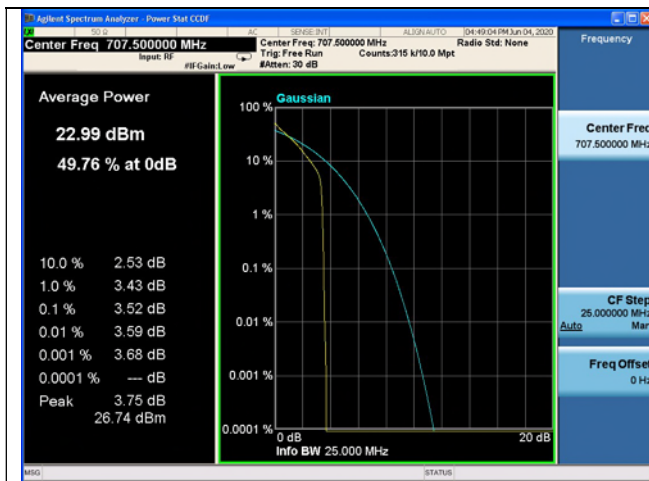


Fig.1

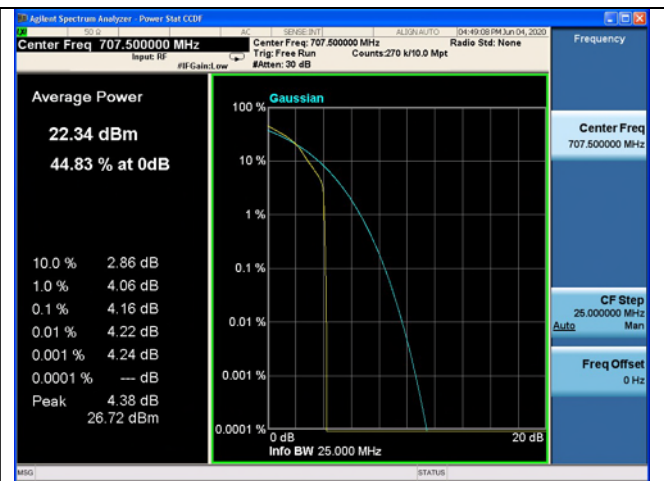


Fig.2

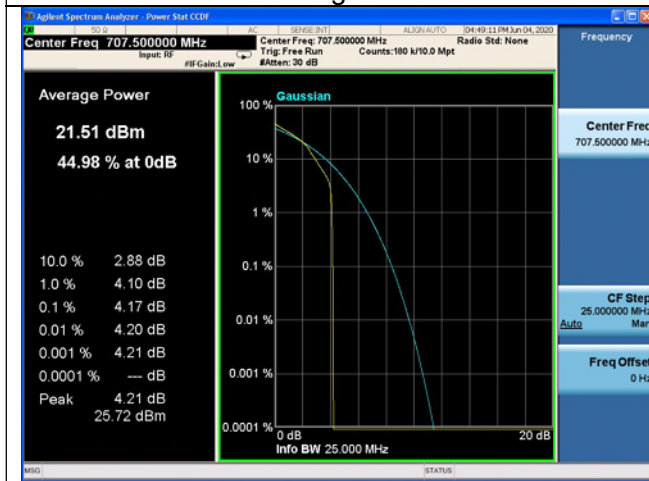


Fig.3

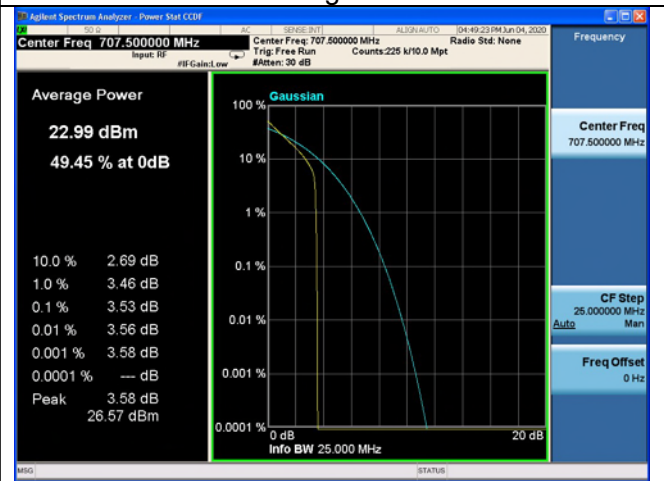


Fig.4

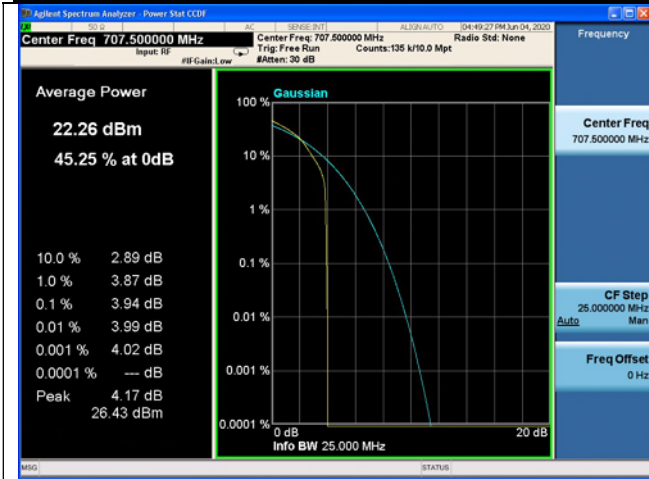


Fig.5

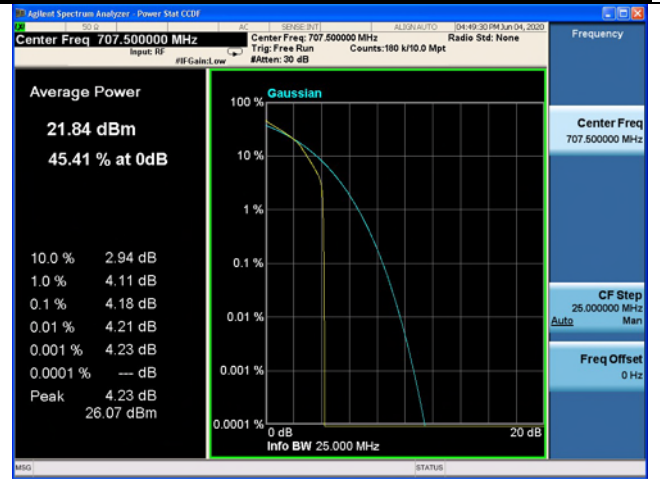


Fig.6

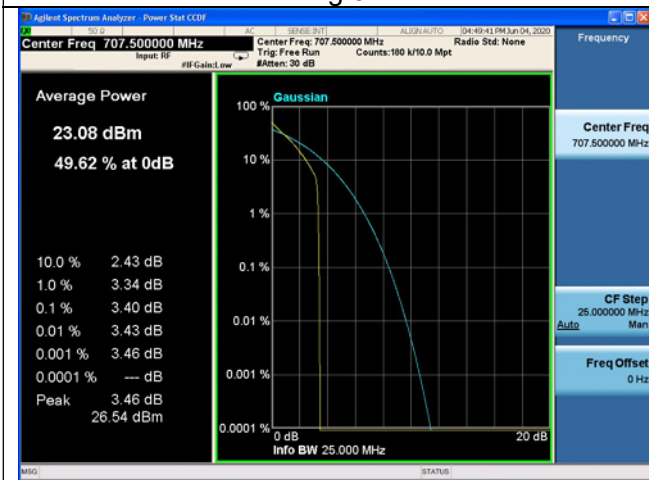


Fig.7

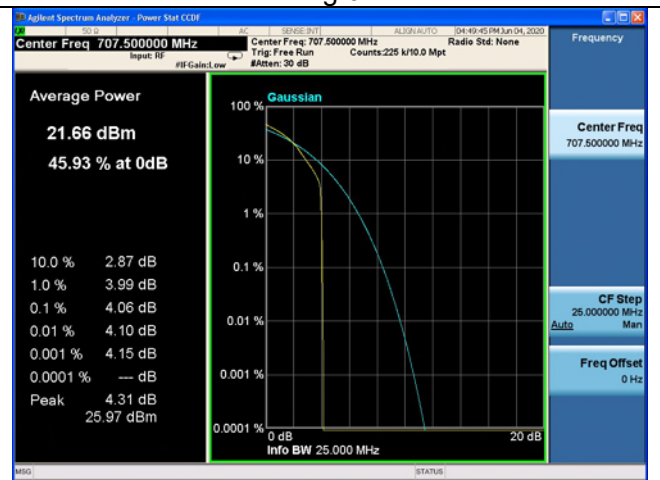


Fig.8

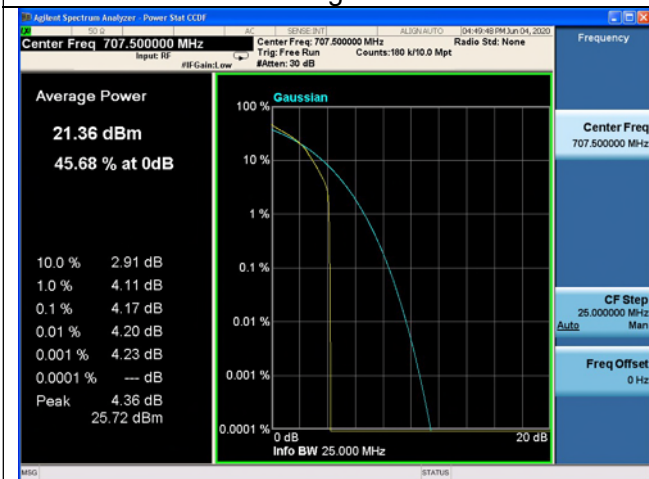


Fig.9

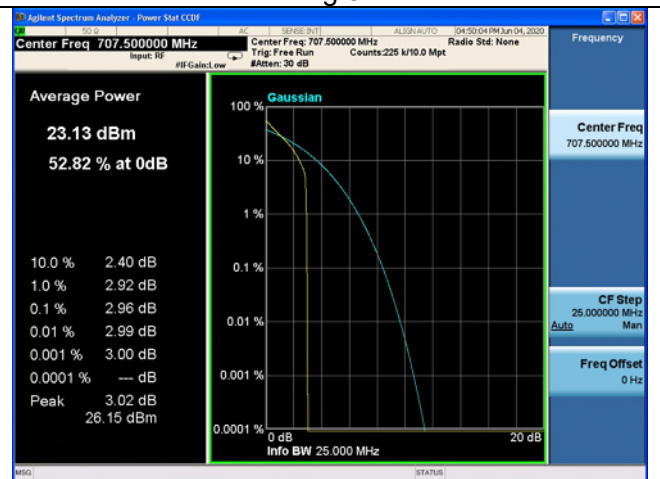


Fig.10

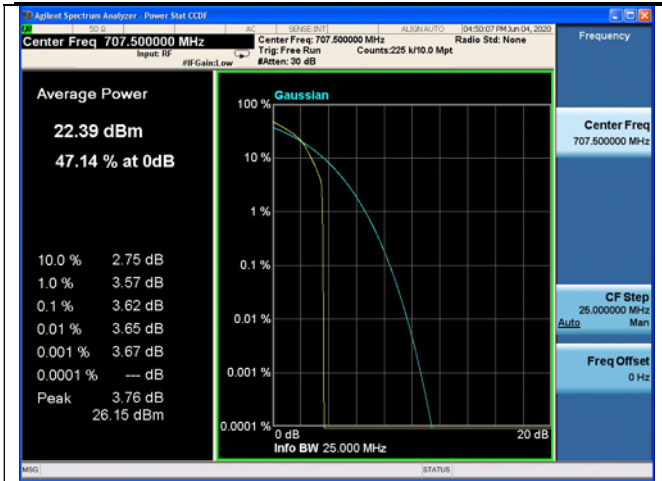


Fig.11

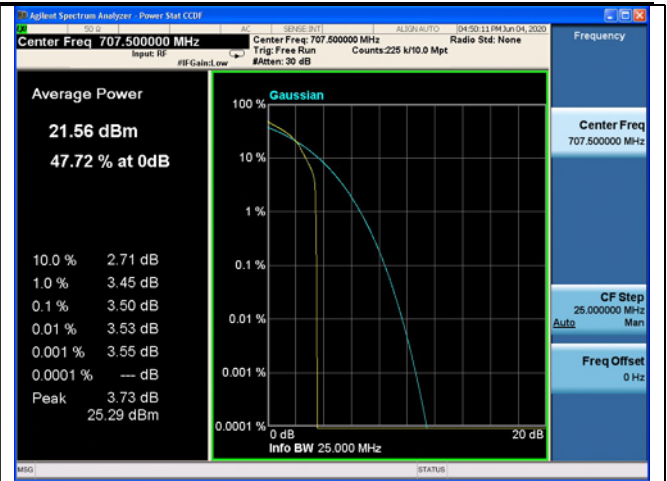


Fig.12