

## **APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

LTE Band 41

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)
QPSK	2537.5	40065	5	1	0	23.42
				1	24	23.27
				12	6	22.67
				25	0	22.77
	2593	40620		1	0	23.19
				1	24	23.27
				12	6	22.71
				25	0	22.86
	2652.5	41215		1	0	23.04
				1	24	23.30
				12	6	22.49
				25	0	22.58
16QAM	2537.5	40065	5	1	0	21.91
				1	24	21.99
				12	6	21.70
				25	0	21.51
	2593	40620		1	0	21.98
				1	24	22.10
				12	6	21.49
				25	0	21.57
	2652.5	41215		1	0	22.11
				1	24	21.89
				12	6	21.52
				25	0	21.50
64QAM	2537.5	40065	5	1	0	21.41
				1	24	22.03
				12	6	21.60
				25	0	21.62
	2593	40620		1	0	21.62
				1	24	21.73
				12	6	21.76
				25	0	21.62
	2652.5	41215		1	0	21.60
				1	24	21.81
				12	6	21.69
				25	0	21.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)
QPSK	2540	40090	10	1	0	23.31
				1	49	23.55
				24	12	22.58
				50	0	22.80
	2593	40620		1	0	23.34
				1	49	23.11
				24	12	22.80
				50	0	22.93
	2650	41190		1	0	23.09
				1	49	23.47
				24	12	22.54
				50	0	22.57
16QAM	2540	40090	10	1	0	21.73
				1	49	22.03
				24	12	21.69
				50	0	21.70
	2593	40620		1	0	21.85
				1	49	22.06
				24	12	21.60
				50	0	21.54
	2650	41190		1	0	22.00
				1	49	22.00
				24	12	21.55
				50	0	21.39
64QAM	2540	40090	10	1	0	21.54
				1	49	21.94
				24	12	21.60
				50	0	21.68
	2593	40620		1	0	21.72
				1	49	21.73
				24	12	21.74
				50	0	21.57
	2650	41190		1	0	21.58
				1	49	21.82
				24	12	21.48
				50	0	21.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)
QPSK	2542.5	40115	15	1	0	23.25
				1	74	23.43
				40	18	22.47
				75	0	22.83
	2593	40620		1	0	23.31
				1	74	23.13
				40	18	22.85
				75	0	22.82
	2647.5	41165		1	0	23.00
				1	74	23.29
				40	18	22.31
				75	0	22.59
16QAM	2542.5	40115	15	1	0	21.71
				1	74	21.90
				40	18	21.52
				75	0	21.76
	2593	40620		1	0	21.78
				1	74	21.98
				40	18	21.47
				75	0	21.70
	2647.5	41165		1	0	21.91
				1	74	21.89
				40	18	21.50
				75	0	21.62
64QAM	2542.5	40115	15	1	0	21.37
				1	74	21.91
				40	18	21.53
				75	0	21.68
	2593	40620		1	0	21.62
				1	74	21.71
				40	18	21.71
				75	0	21.71
	2647.5	41165		1	0	21.74
				1	74	21.77
				40	18	21.62
				75	0	21.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted Average (dBm)
QPSK	2545	40140	20	1	0	23.58
				1	99	23.67
				50	25	22.83
				100	0	22.98
	2593	40620		1	0	23.47
				1	99	23.46
				50	25	22.99
				100	0	23.07
	2645	41140		1	0	23.28
				1	99	23.63
				50	25	22.70
				100	0	22.71
16QAM	2545	40140	20	1	0	22.10
				1	99	22.26
				50	25	21.83
				100	0	21.88
	2593	40620		1	0	22.09
				1	99	22.35
				50	25	21.83
				100	0	21.91
	2645	41140		1	0	22.28
				1	99	22.23
				50	25	21.77
				100	0	21.75
64QAM	2545	40140	20	1	0	21.70
				1	99	22.29
				50	25	21.78
				100	0	21.91
	2593	40620		1	0	21.90
				1	99	21.89
				50	25	21.89
				100	0	21.94
	2645	41140		1	0	21.97
				1	99	22.04
				50	25	21.85
				100	0	21.68

## 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	4.4677	Fig.1	4.4636	Fig.2	4.4533	Fig.3
	2593	40620		25	0	4.4698	Fig.4	4.4583	Fig.5	4.4644	Fig.6
	2687.5	41565		25	0	4.4601	Fig.7	4.4657	Fig.8	4.4575	Fig.9
	2501	39700	10	50	0	8.9292	Fig.10	8.9431	Fig.11	8.9107	Fig.12
	2593	40620		50	0	8.9066	Fig.13	8.9307	Fig.14	8.9066	Fig.15
	2685	41540		50	0	8.9013	Fig.16	8.8770	Fig.17	8.8893	Fig.18
	2503.5	39725	15	75	0	13.387	Fig.19	13.365	Fig.20	13.317	Fig.21
	2593	40620		75	0	13.407	Fig.22	13.315	Fig.23	13.307	Fig.24
	2682.5	41515		75	0	13.428	Fig.25	13.349	Fig.26	13.368	Fig.27
	2506	39750	20	100	0	17.830	Fig.28	17.824	Fig.29	17.781	Fig.30
	2593	40620		100	0	17.847	Fig.31	17.819	Fig.32	17.803	Fig.33
	2680	41490		100	0	17.792	Fig.34	17.809	Fig.35	17.801	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	4.727	Fig.1	4.785	Fig.2	4.794	Fig.3
	2593	40620		25	0	4.856	Fig.4	4.788	Fig.5	4.696	Fig.6
	2687.5	41565		25	0	4.787	Fig.7	4.820	Fig.8	4.719	Fig.9
	2501	39700	10	50	0	9.599	Fig.10	9.399	Fig.11	9.319	Fig.12
	2593	40620		50	0	9.449	Fig.13	9.523	Fig.14	9.327	Fig.15
	2685	41540		50	0	9.526	Fig.16	9.374	Fig.17	9.336	Fig.18
	2503.5	39725	15	75	0	13.92	Fig.19	13.94	Fig.20	13.90	Fig.21
	2593	40620		75	0	14.10	Fig.22	13.92	Fig.23	13.86	Fig.24
	2682.5	41515		75	0	14.76	Fig.25	14.23	Fig.26	14.19	Fig.27
	2506	39750	20	100	0	19.16	Fig.28	19.58	Fig.29	18.81	Fig.30
	2593	40620		100	0	19.09	Fig.31	19.00	Fig.32	19.09	Fig.33
	2680	41490		100	0	19.40	Fig.34	18.93	Fig.35	19.46	Fig.36

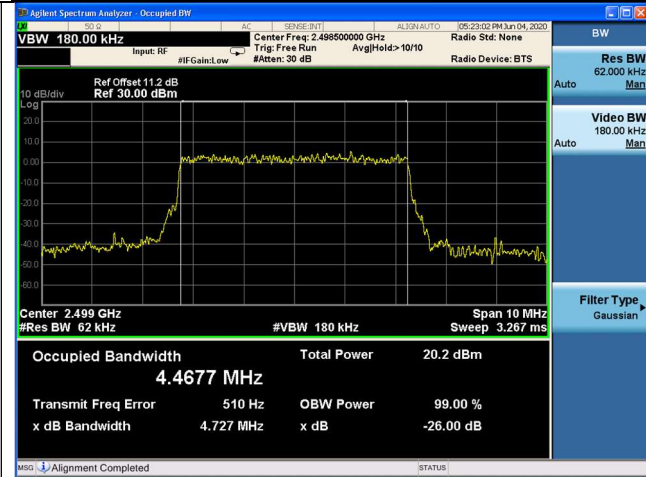


Fig.1

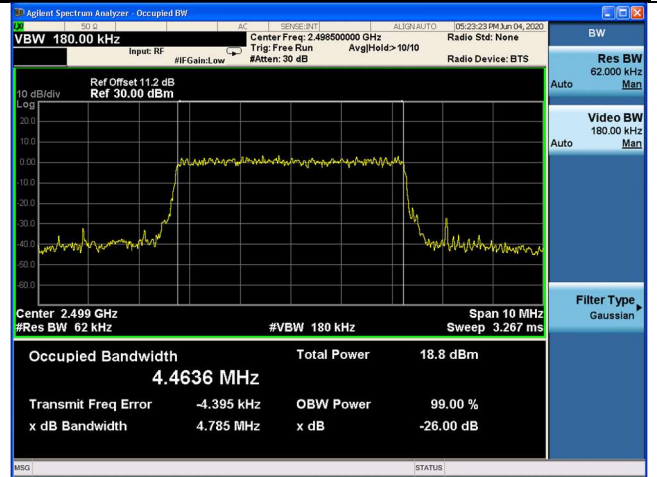


Fig.2

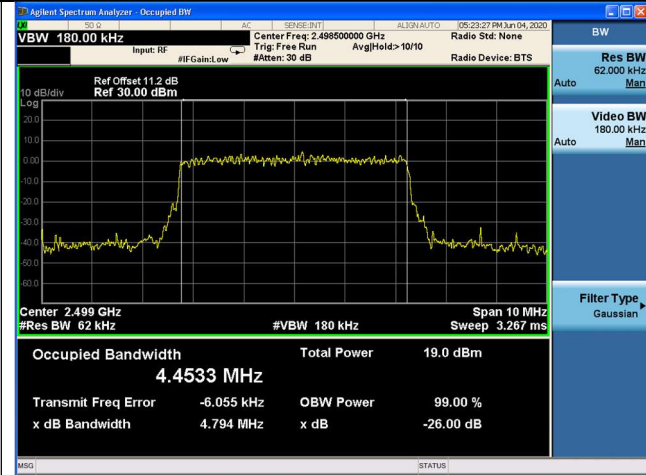


Fig.3

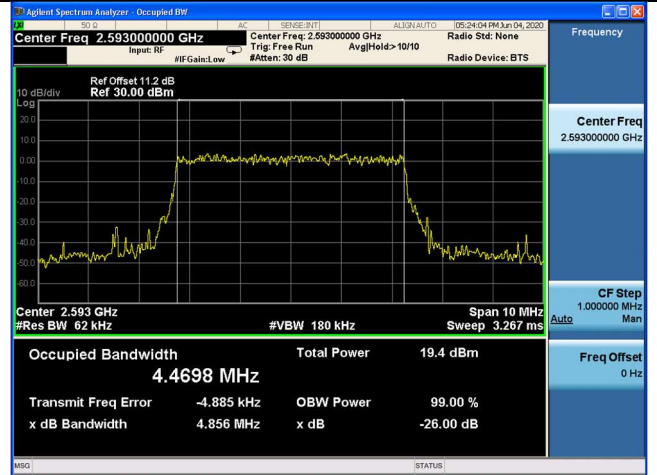


Fig.4

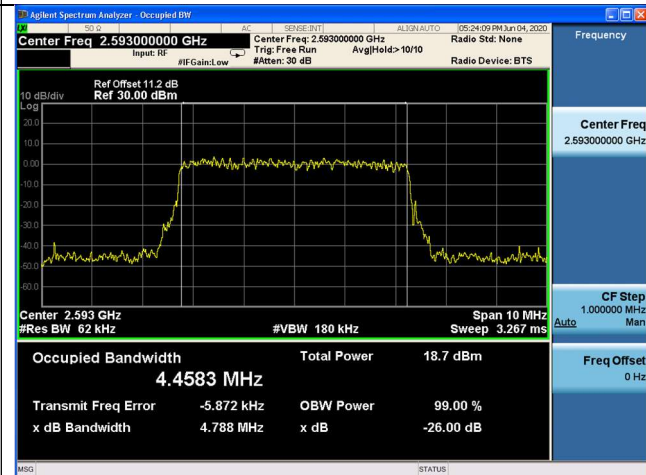


Fig.5

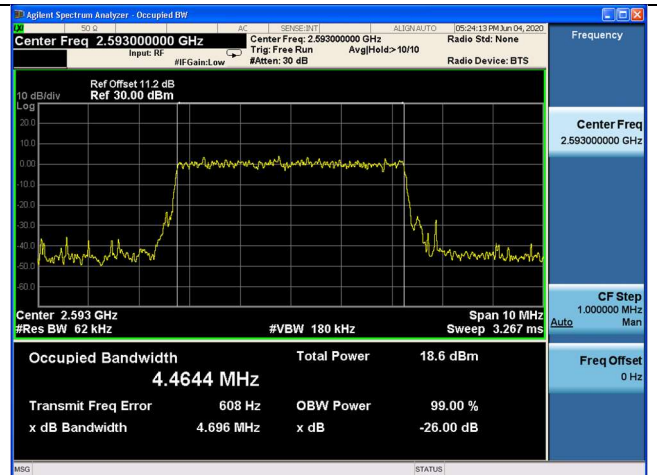


Fig.6

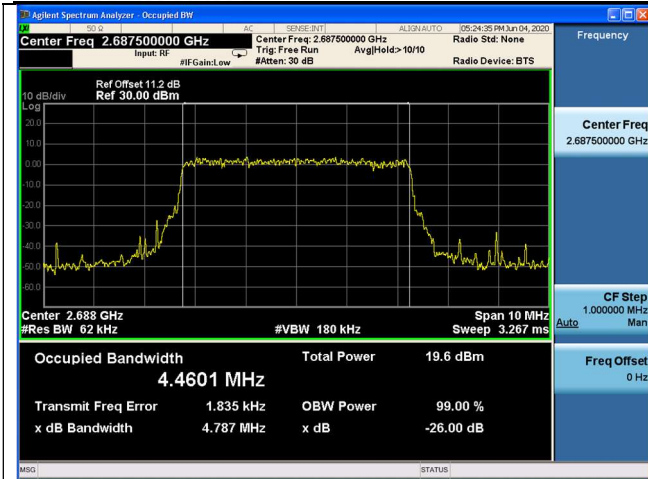


Fig.7

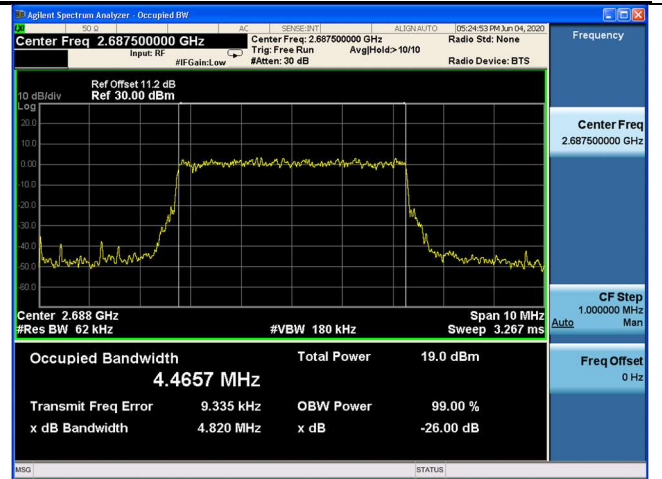


Fig.8

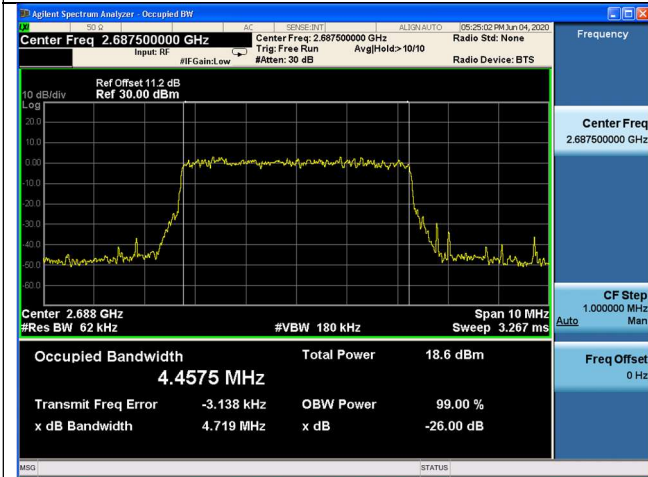


Fig.9



Fig.10

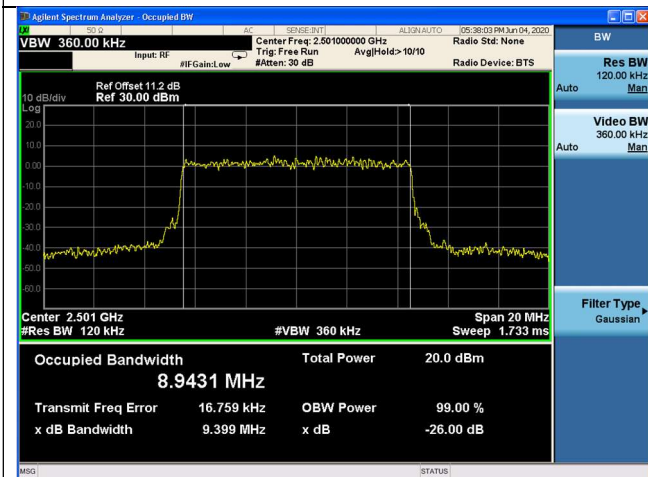


Fig.11

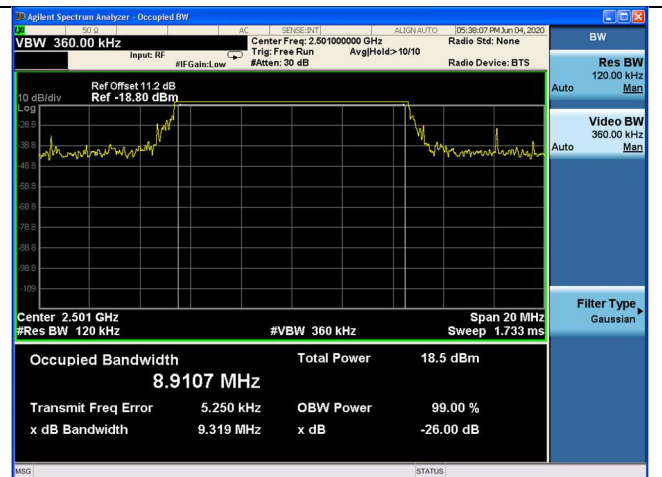


Fig.12

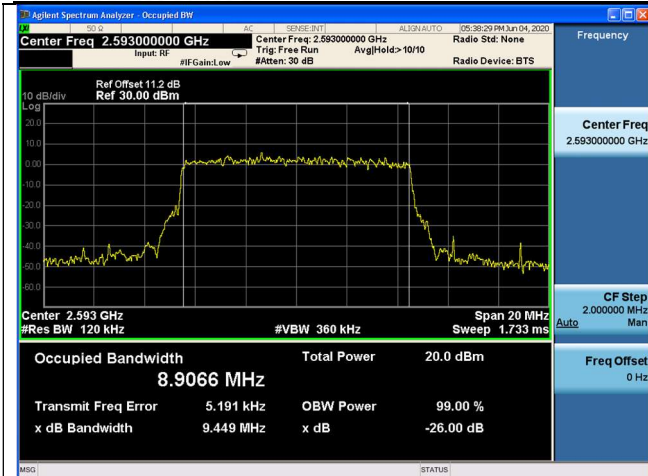


Fig.13

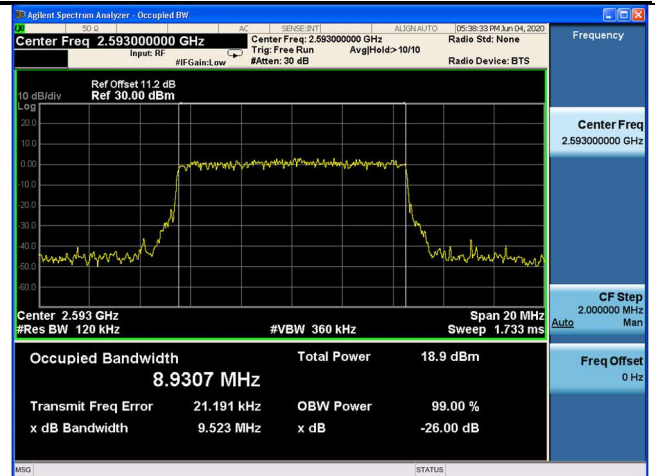


Fig.14

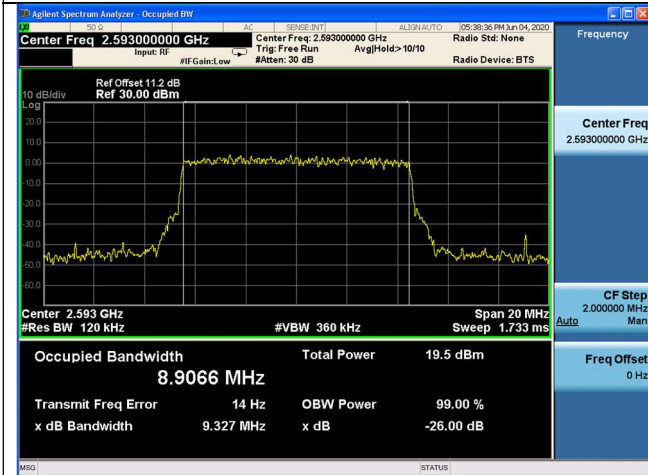


Fig.15

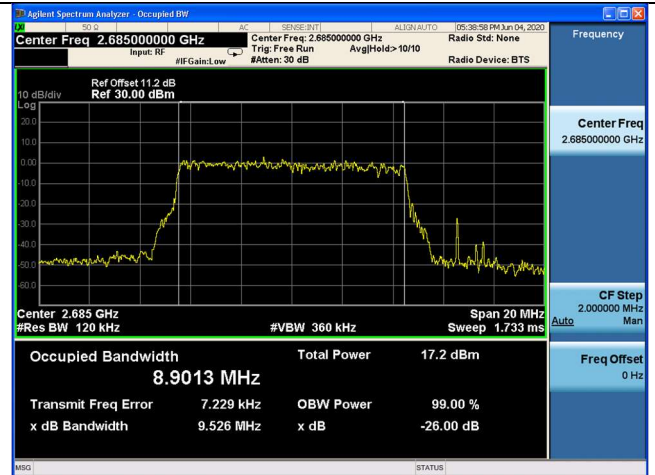


Fig.16

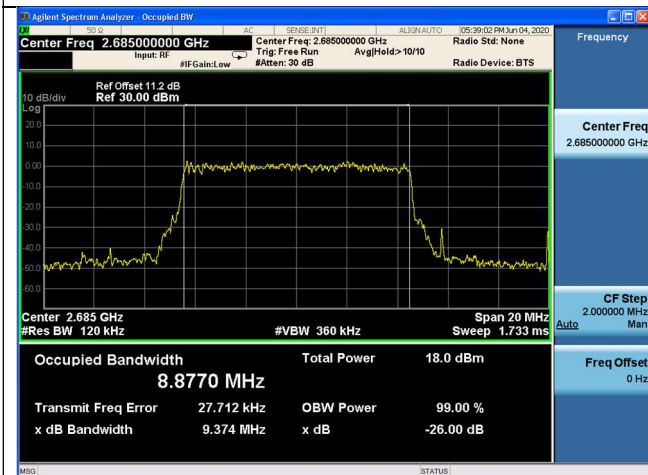


Fig.17

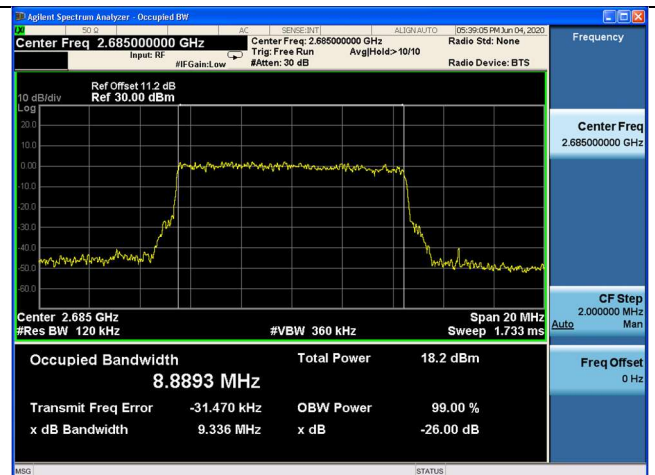


Fig.18



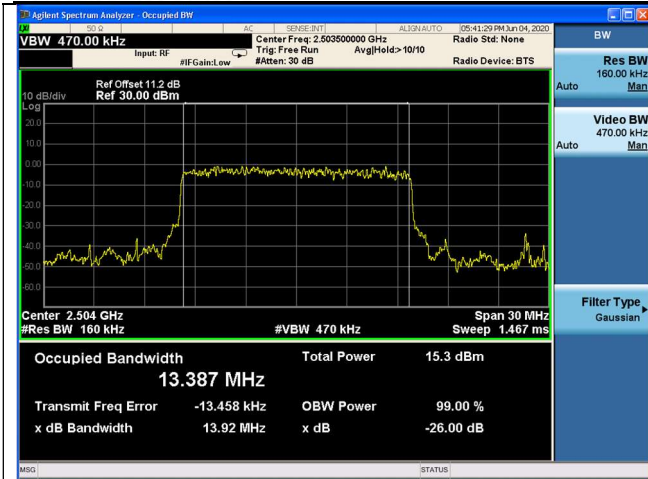


Fig.19

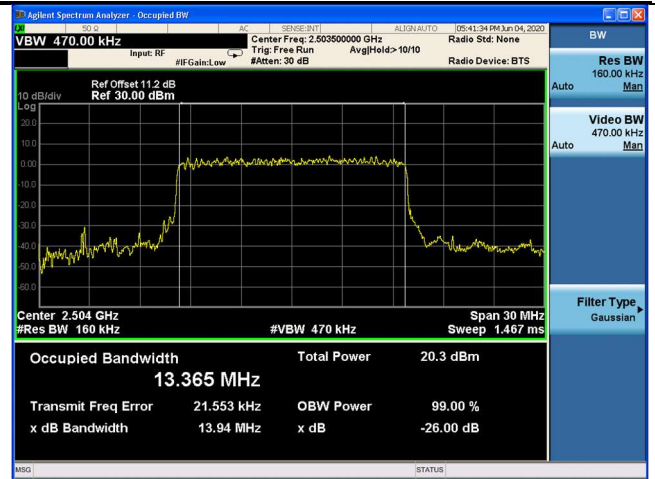


Fig.20

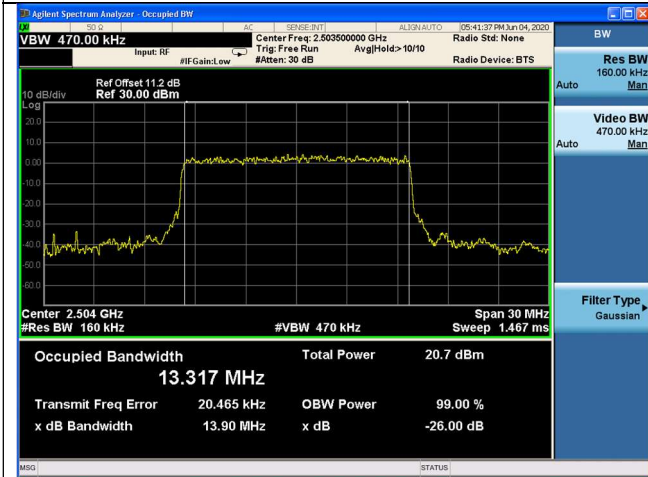


Fig.21

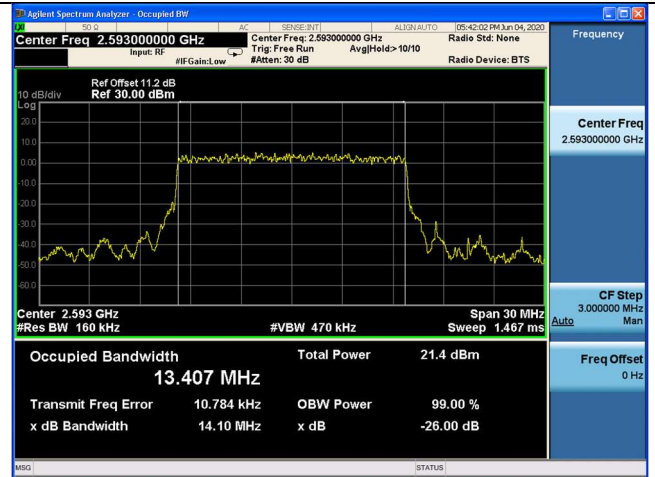


Fig.22

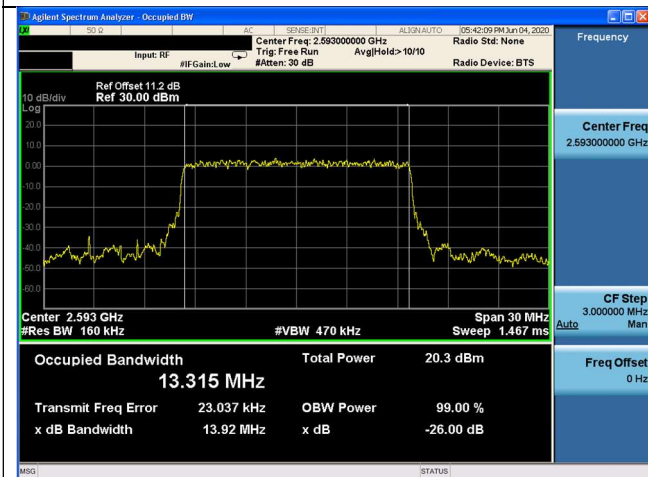


Fig.23

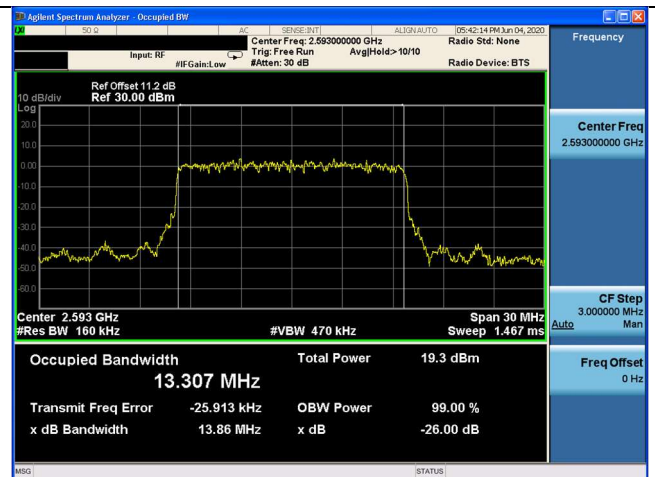


Fig.24

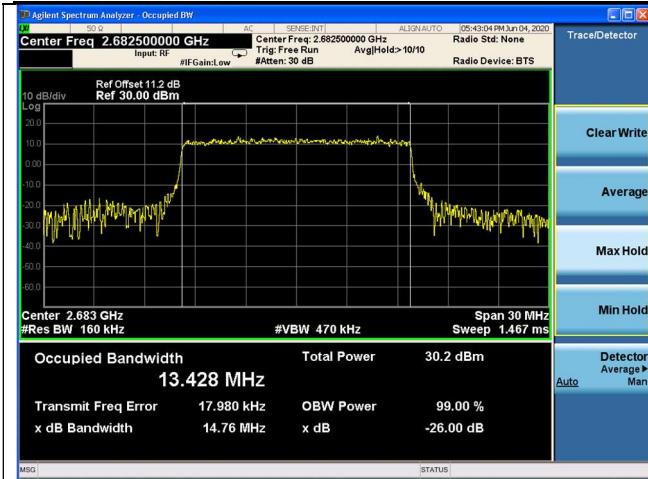


Fig.25

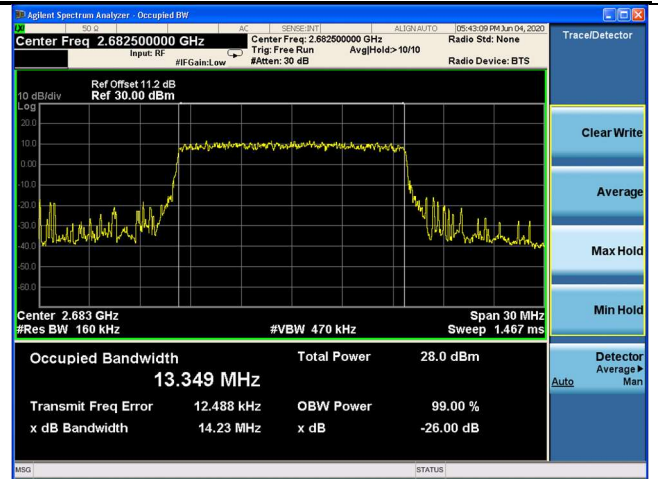


Fig.26

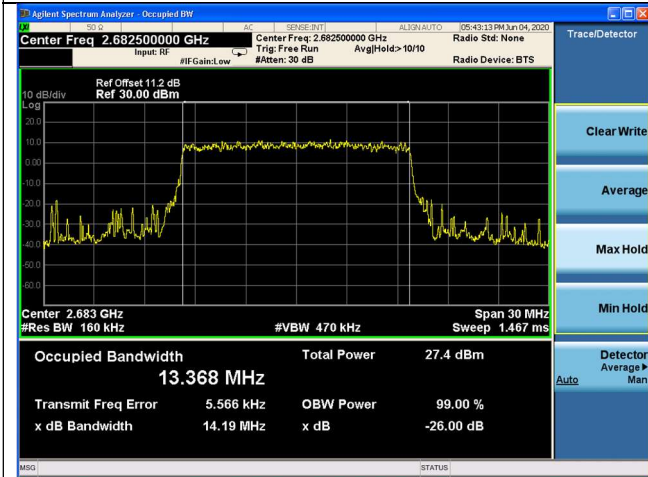


Fig.27

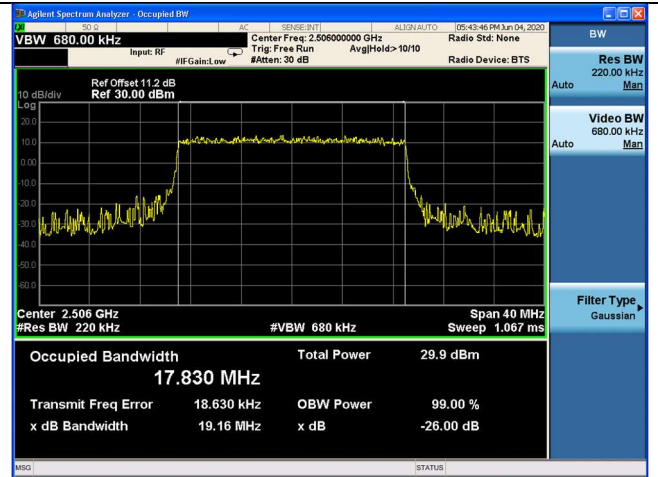


Fig.28

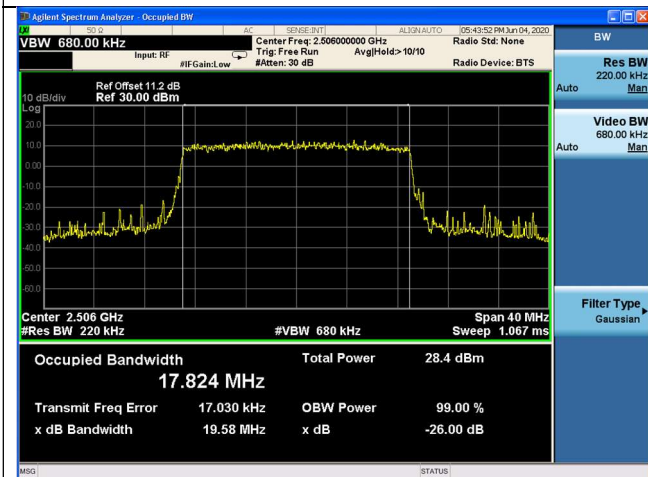


Fig.29

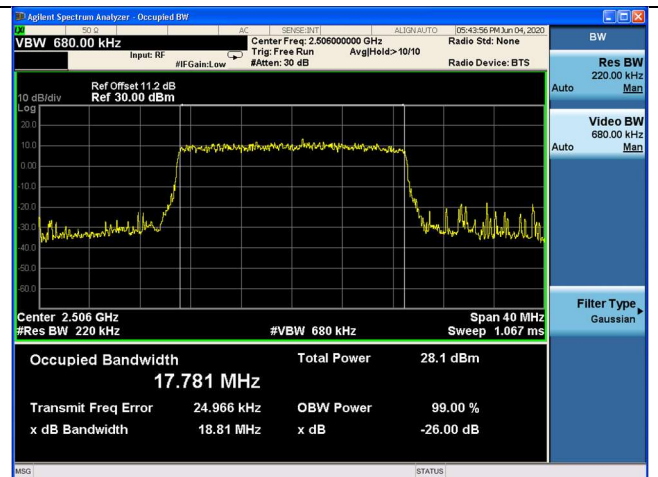


Fig.30

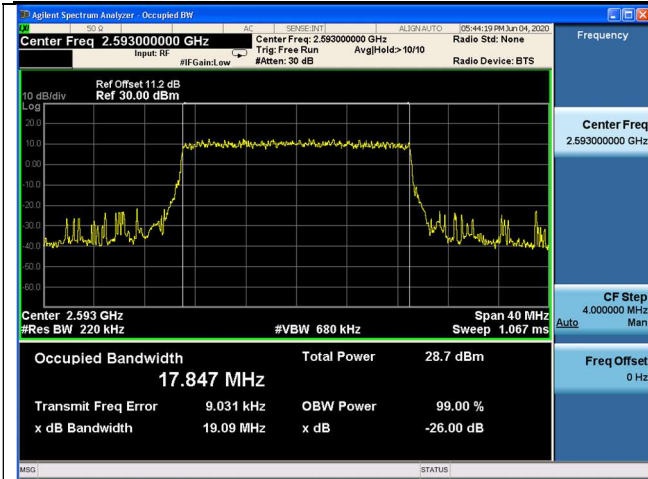


Fig.31

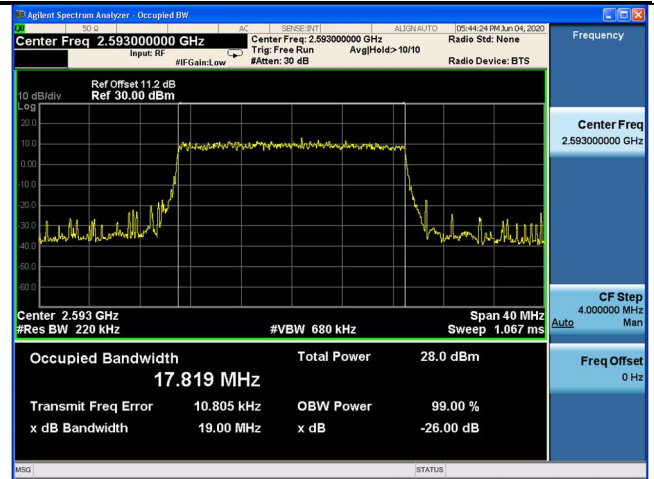


Fig.32

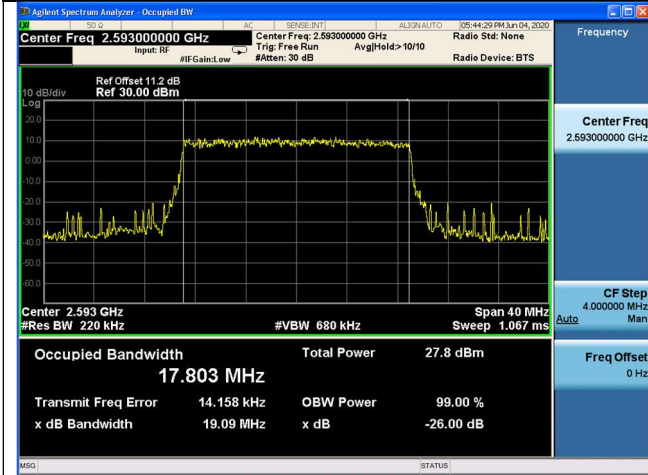


Fig.33

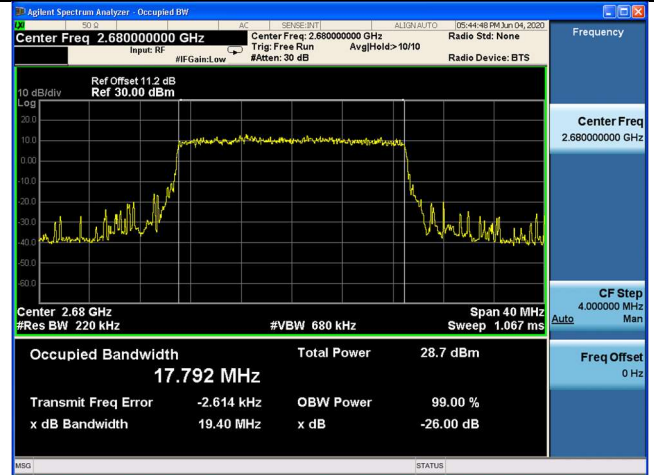


Fig.34

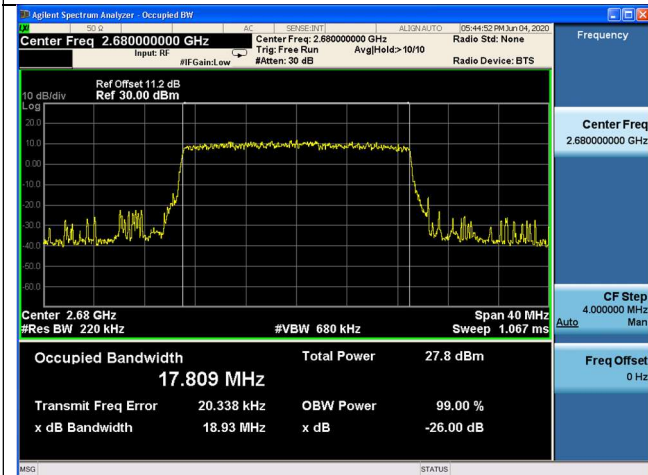


Fig.35

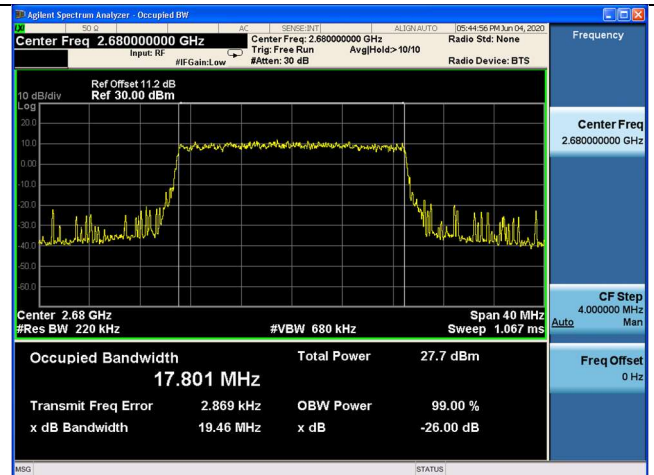


Fig.36



### 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

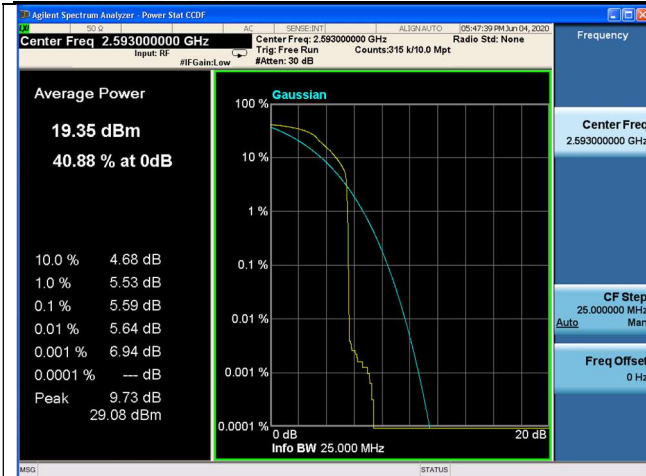


Fig.1

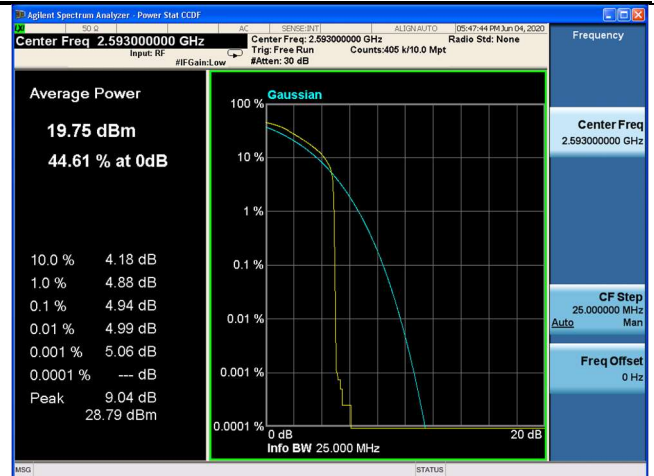


Fig.2

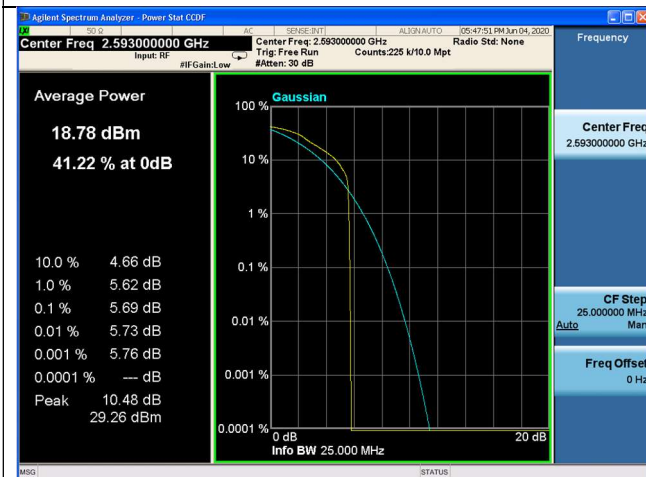


Fig.3

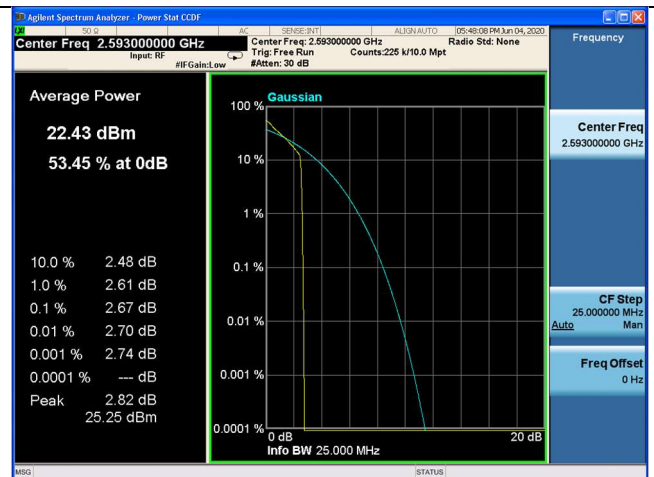


Fig.4



Fig.5

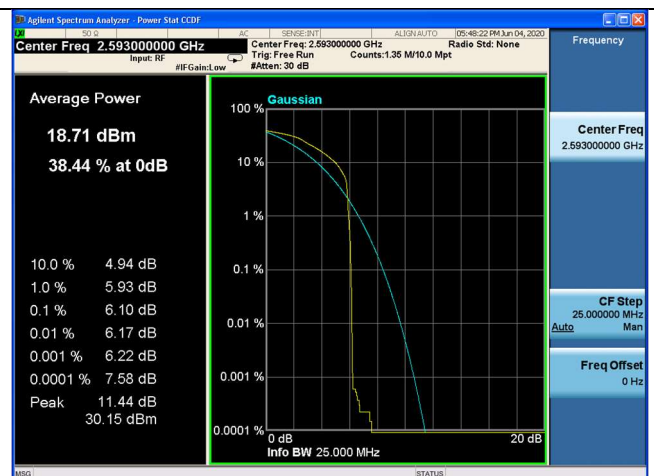


Fig.6