

Peak to Average Ratio

LTE Mode Test Data

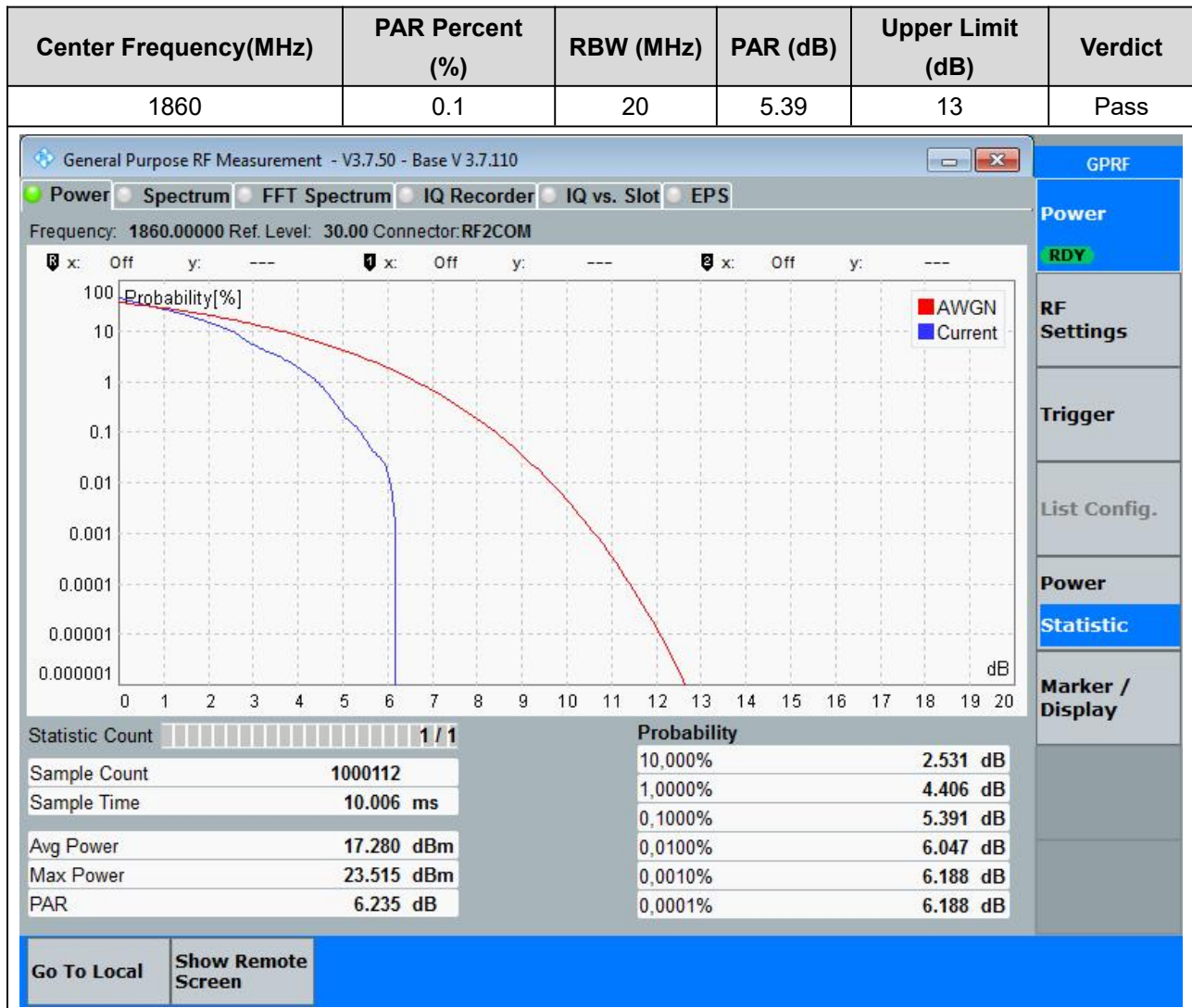
Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Verdict
LTE Band 2	20 MHz	LCH	QPSK	RB1#0	5.39	13	Pass
				RB100#0	5.67	13	Pass
			16-QAM	RB1#0	6.05	13	Pass
				RB27#0	6.37	13	Pass
		MCH	QPSK	RB1#0	5.16	13	Pass
				RB100#0	5.67	13	Pass
			16-QAM	RB1#0	5.62	13	Pass
				RB27#0	6.28	13	Pass
		HCH	QPSK	RB1#0	5.34	13	Pass
				RB100#0	5.48	13	Pass
			16-QAM	RB1#0	6	13	Pass
				RB27#0	6.33	13	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	4.78	13	Pass
				RB50#0	5.62	13	Pass
			16-QAM	RB1#0	5.58	13	Pass
				RB27#0	6.19	13	Pass
		MCH	QPSK	RB1#0	5.25	13	Pass
				RB50#0	5.62	13	Pass
			16-QAM	RB1#0	5.67	13	Pass
				RB27#0	6.28	13	Pass
		HCH	QPSK	RB1#0	5.39	13	Pass
				RB50#0	5.44	13	Pass
			16-QAM	RB1#0	6.09	13	Pass
				RB27#0	6.33	13	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	3.8	13	Pass
				RB100#0	5.48	13	Pass
			16-QAM	RB1#0	4.64	13	Pass
				RB27#0	5.86	13	Pass
		MCH	QPSK	RB1#0	4.87	13	Pass
				RB100#0	5.34	13	Pass
			16-QAM	RB1#0	5.62	13	Pass
				RB27#0	6.28	13	Pass
		HCH	QPSK	RB1#0	4.27	13	Pass
				RB100#0	5.39	13	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Verdict
			16-QAM	RB1#0	5.11	13	Pass
				RB27#0	5.95	13	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	4.22	13	Pass
				RB50#0	5.34	13	Pass
			16-QAM	RB1#0	5.16	13	Pass
				RB27#0	5.81	13	Pass
		MCH	QPSK	RB1#0	4.41	13	Pass
				RB50#0	5.2	13	Pass
			16-QAM	RB1#0	5.16	13	Pass
				RB27#0	5.91	13	Pass
		HCH	QPSK	RB1#0	4.5	13	Pass
				RB50#0	5.02	13	Pass
			16-QAM	RB1#0	5.3	13	Pass
				RB27#0	5.91	13	Pass
LTE Band 13	10 MHz	MCH	QPSK	RB1#0	4.12	13	Pass
				RB50#0	5.16	13	Pass
			16-QAM	RB1#0	5.06	13	Pass
				RB27#0	5.67	13	Pass
LTE Band 66	20 MHz	LCH	QPSK	RB1#0	4.69	13	Pass
				RB100#0	5.58	13	Pass
			16-QAM	RB1#0	5.48	13	Pass
				RB27#0	6.23	13	Pass
		MCH	QPSK	RB1#0	5.2	13	Pass
				RB100#0	5.44	13	Pass
			16-QAM	RB1#0	5.62	13	Pass
				RB27#0	6.28	13	Pass
		HCH	QPSK	RB1#0	4.92	13	Pass
				RB100#0	5.62	13	Pass
			16-QAM	RB1#0	5.67	13	Pass
				RB27#0	6.28	13	Pass
LTE Band 71	20 MHz	LCH	QPSK	RB1#0	4.03	13	Pass
				RB100#0	5.3	13	Pass
			16-QAM	RB1#0	4.78	13	Pass
				RB27#0	5.62	13	Pass
		MCH	QPSK	RB1#0	4.69	13	Pass
				RB100#0	5.2	13	Pass
			16-QAM	RB1#0	5.2	13	Pass
				RB27#0	6.05	13	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Verdict
		HCH	QPSK	RB1#0	4.55	13	Pass
				RB100#0	5.25	13	Pass
			16-QAM	RB1#0	5.34	13	Pass
				RB27#0	5.81	13	Pass

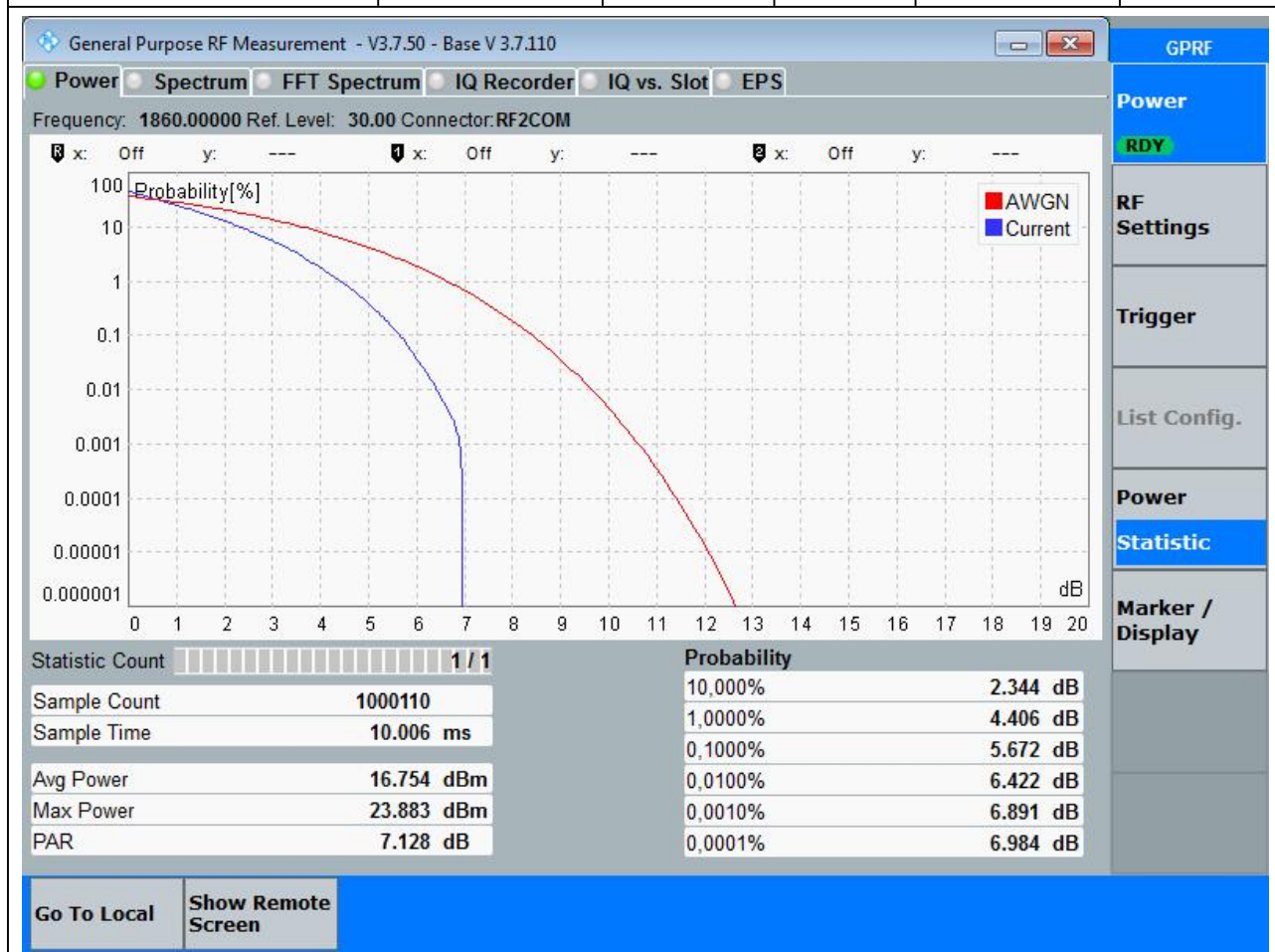
1. LTE_Band2

1.1. LTE Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)



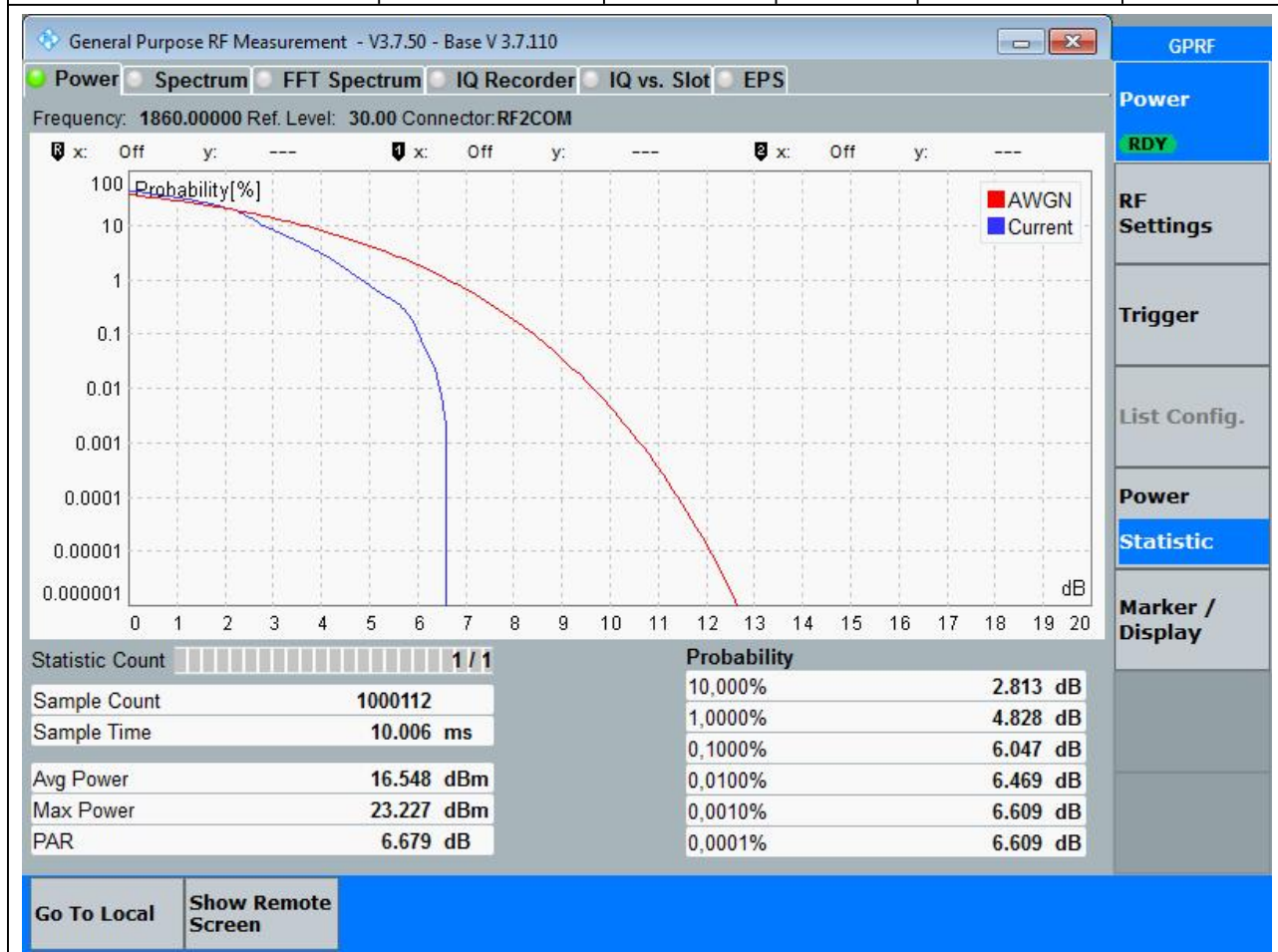
1.2. LTE Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1860	0.1	20	5.67	13	Pass



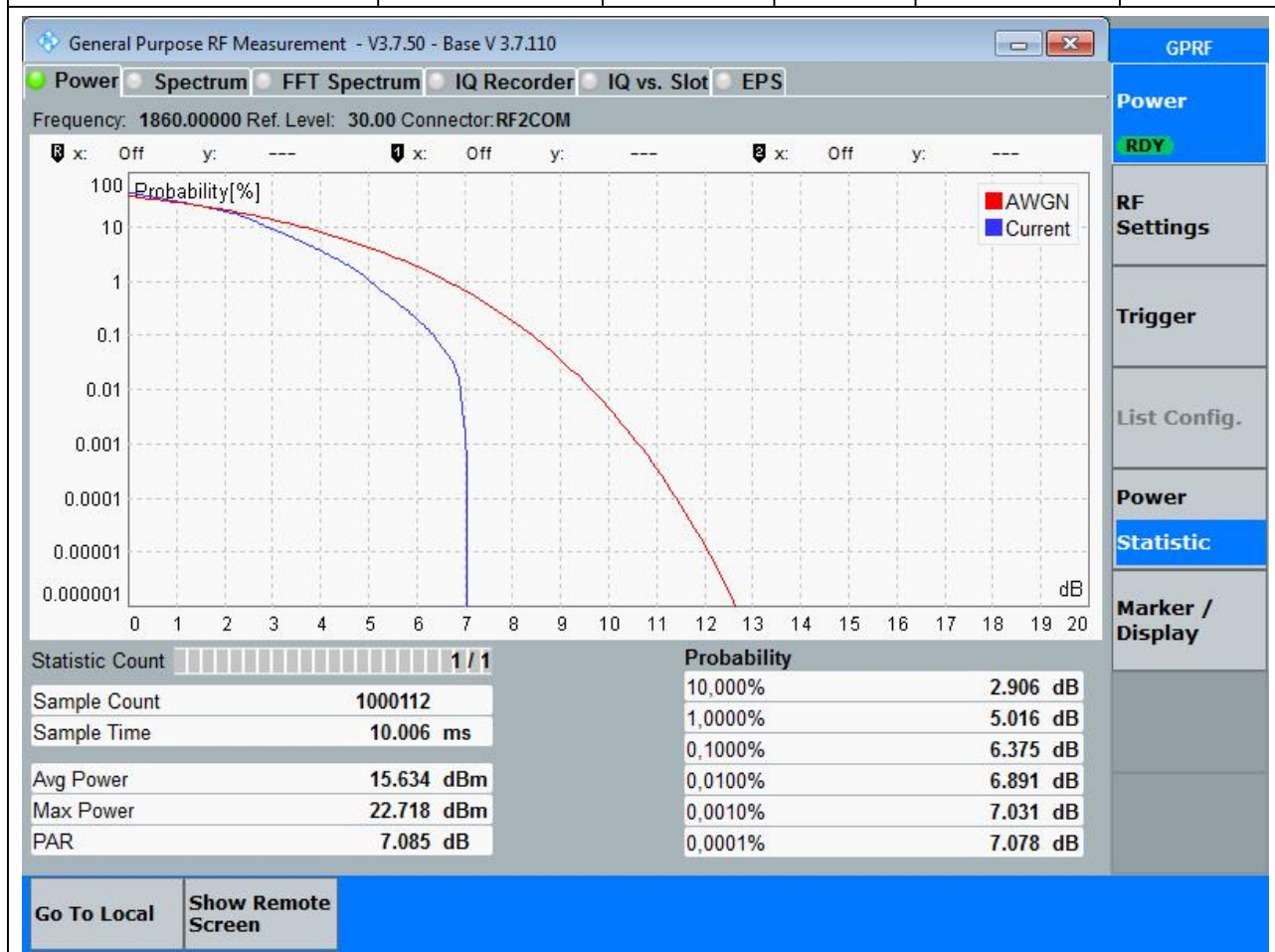
1.3. LTE Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1860	0.1	20	6.05	13	Pass



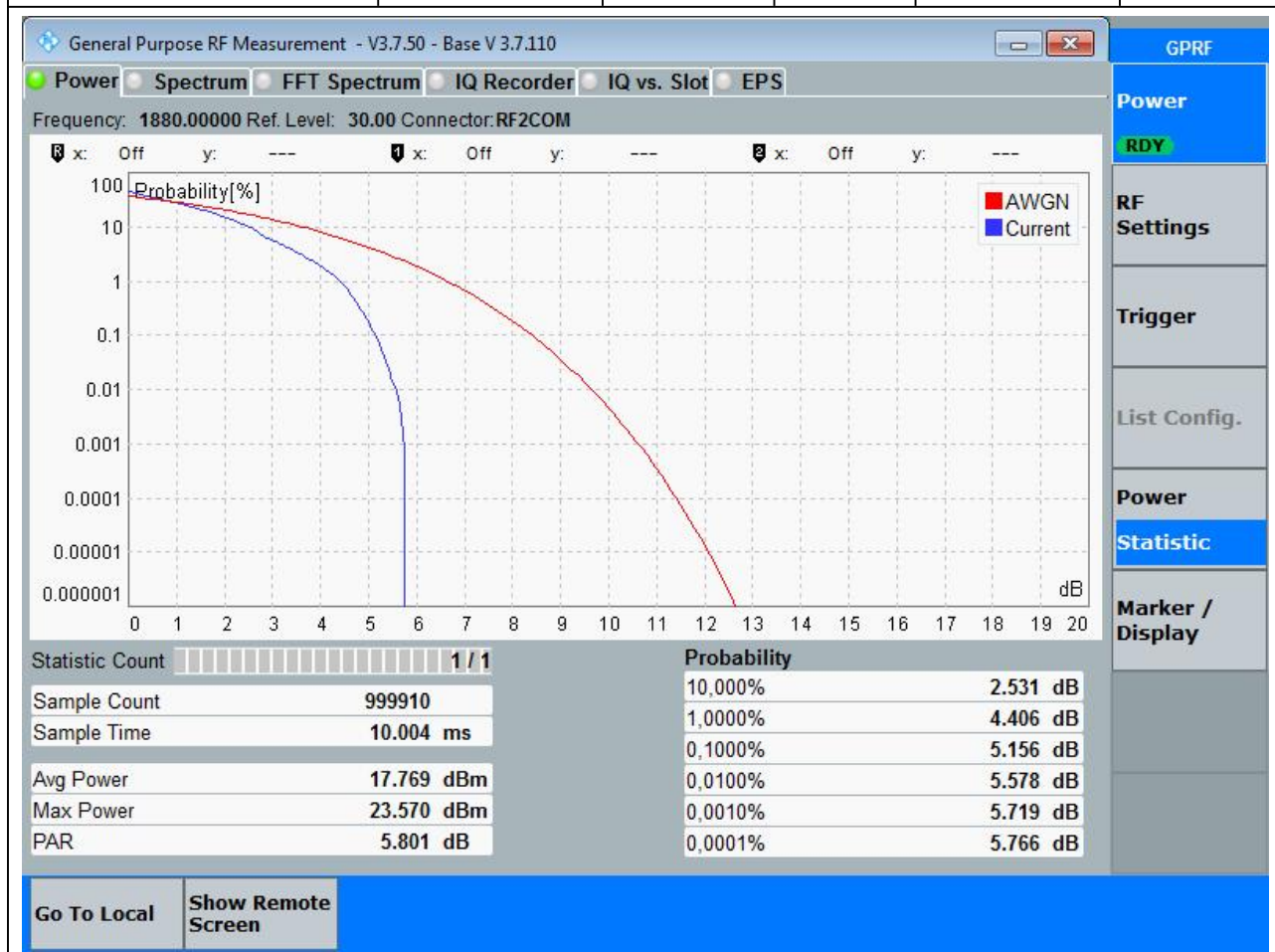
1.4. LTE Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1860	0.1	20	6.37	13	Pass



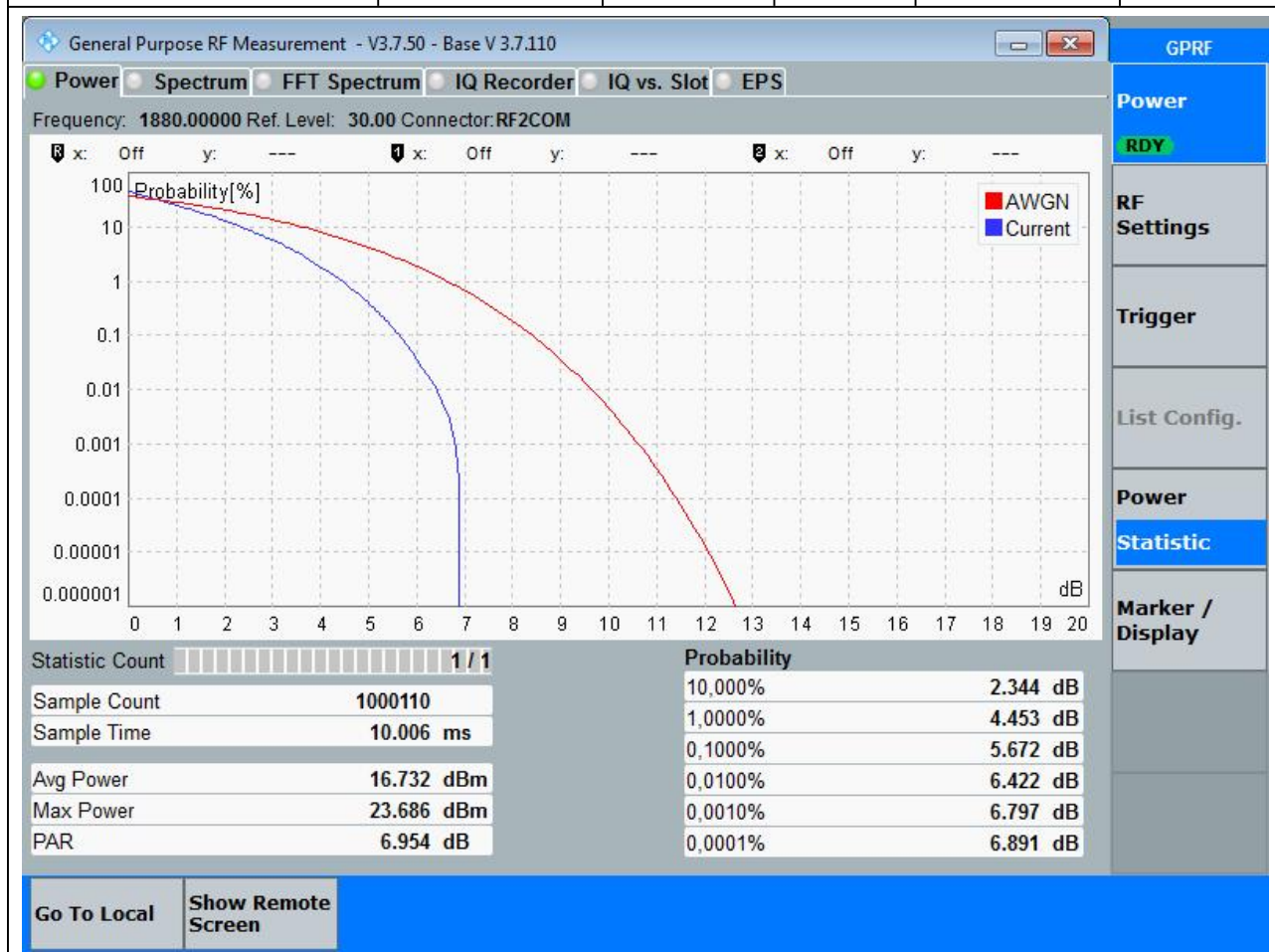
1.5. LTE Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	20	5.16	13	Pass



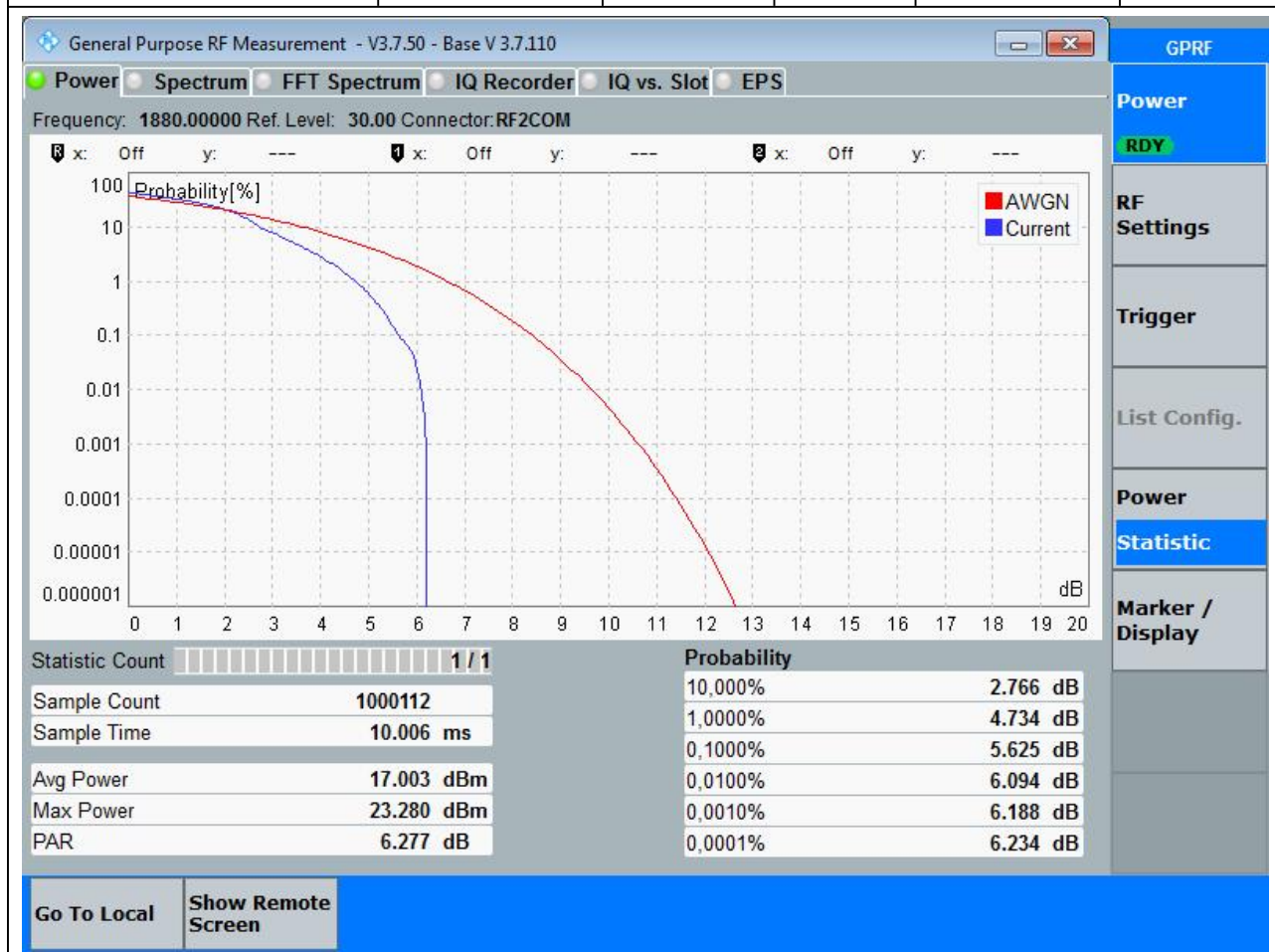
1.6. LTE Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	20	5.67	13	Pass



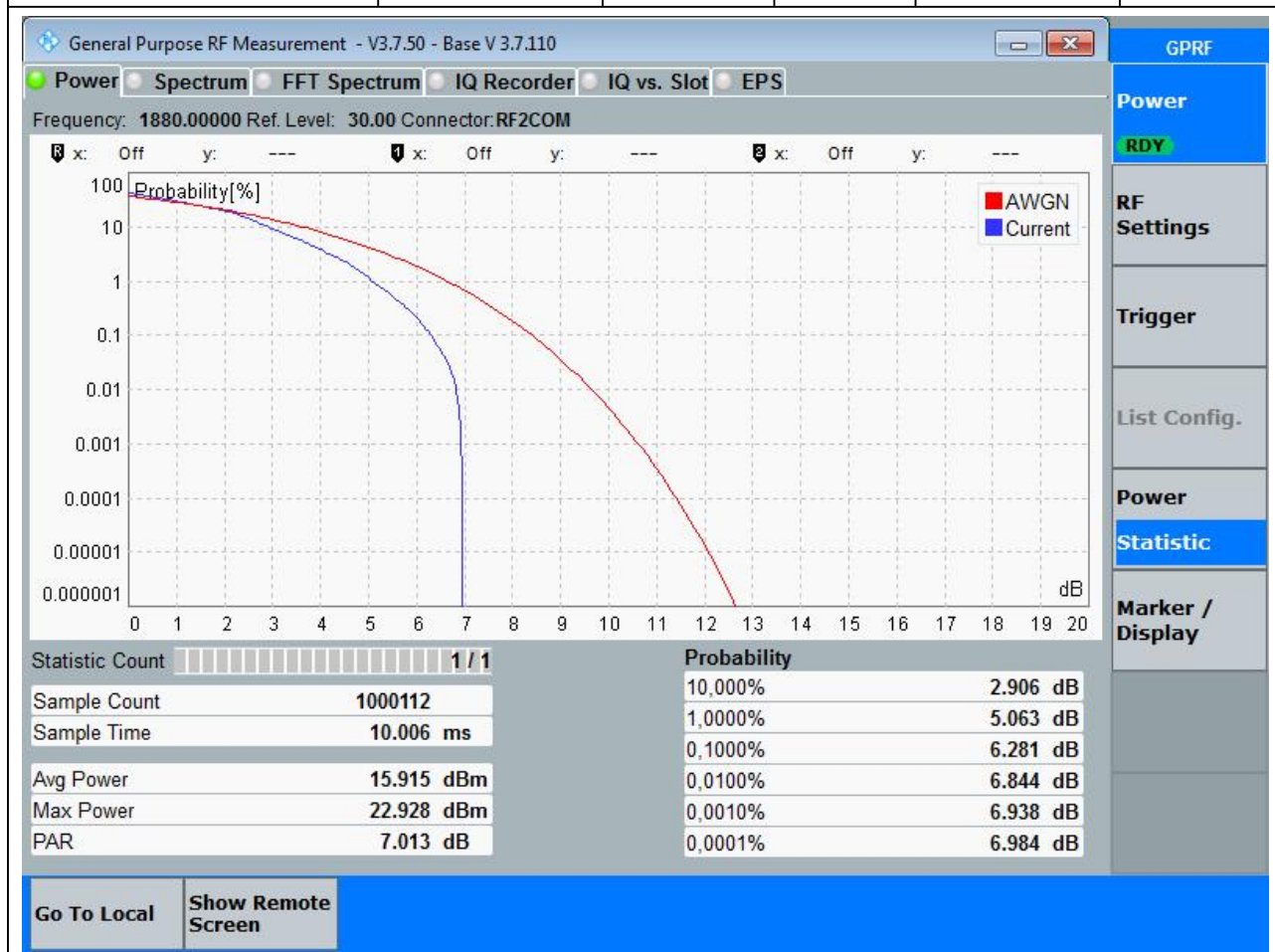
1.7. LTE Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	20	5.62	13	Pass



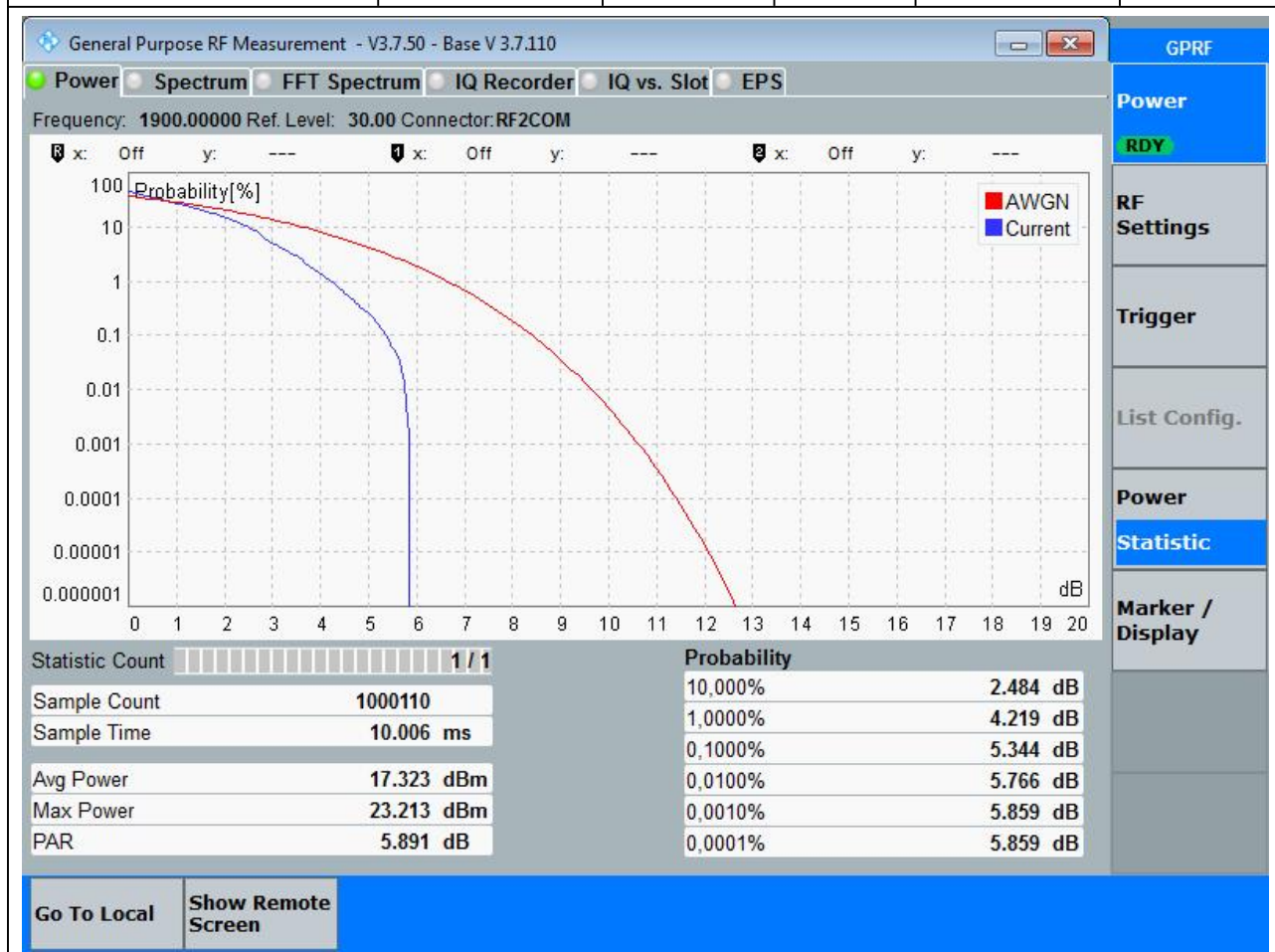
1.8. LTE Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1880	0.1	20	6.28	13	Pass



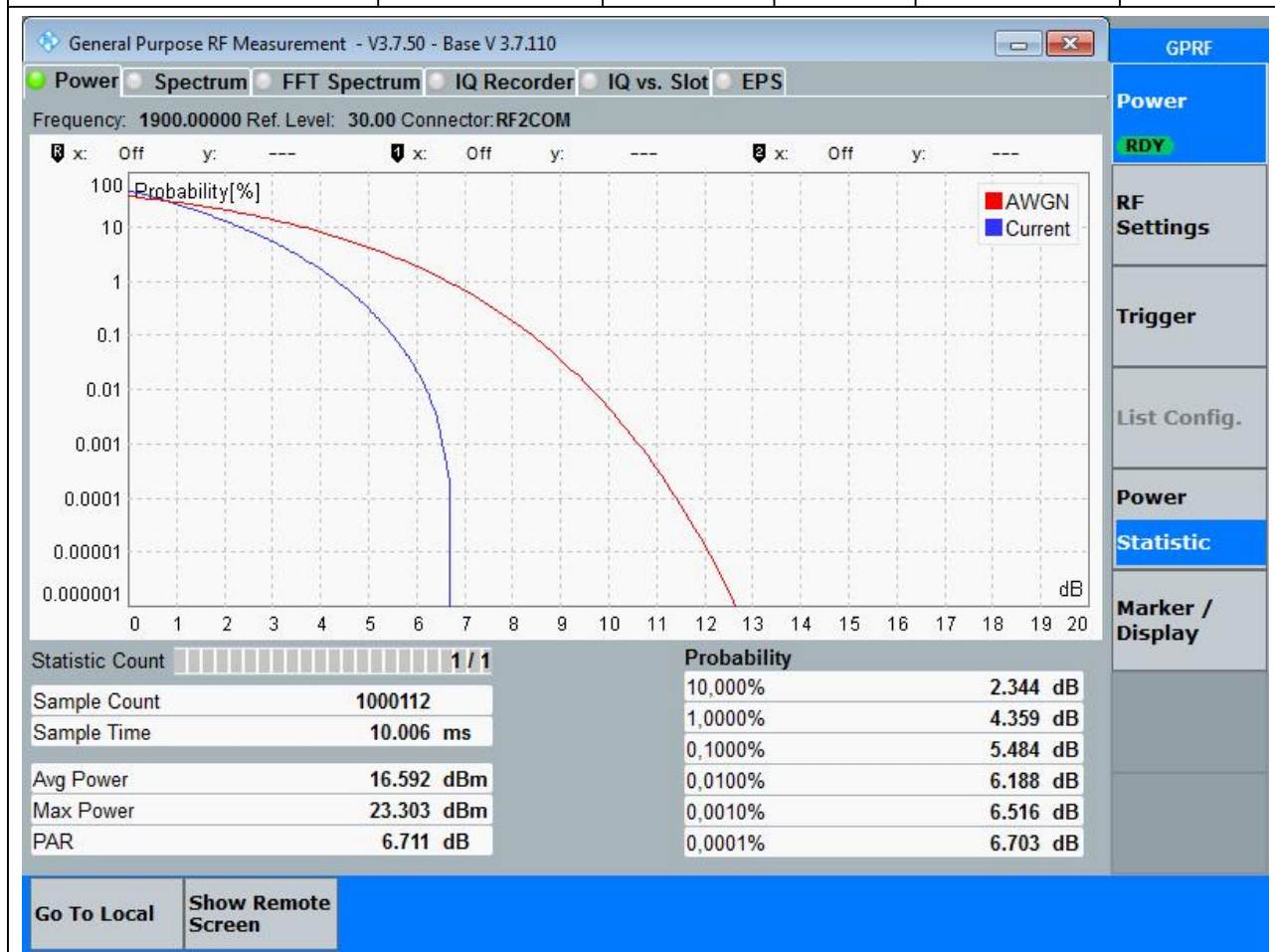
1.9. LTE Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	20	5.34	13	Pass



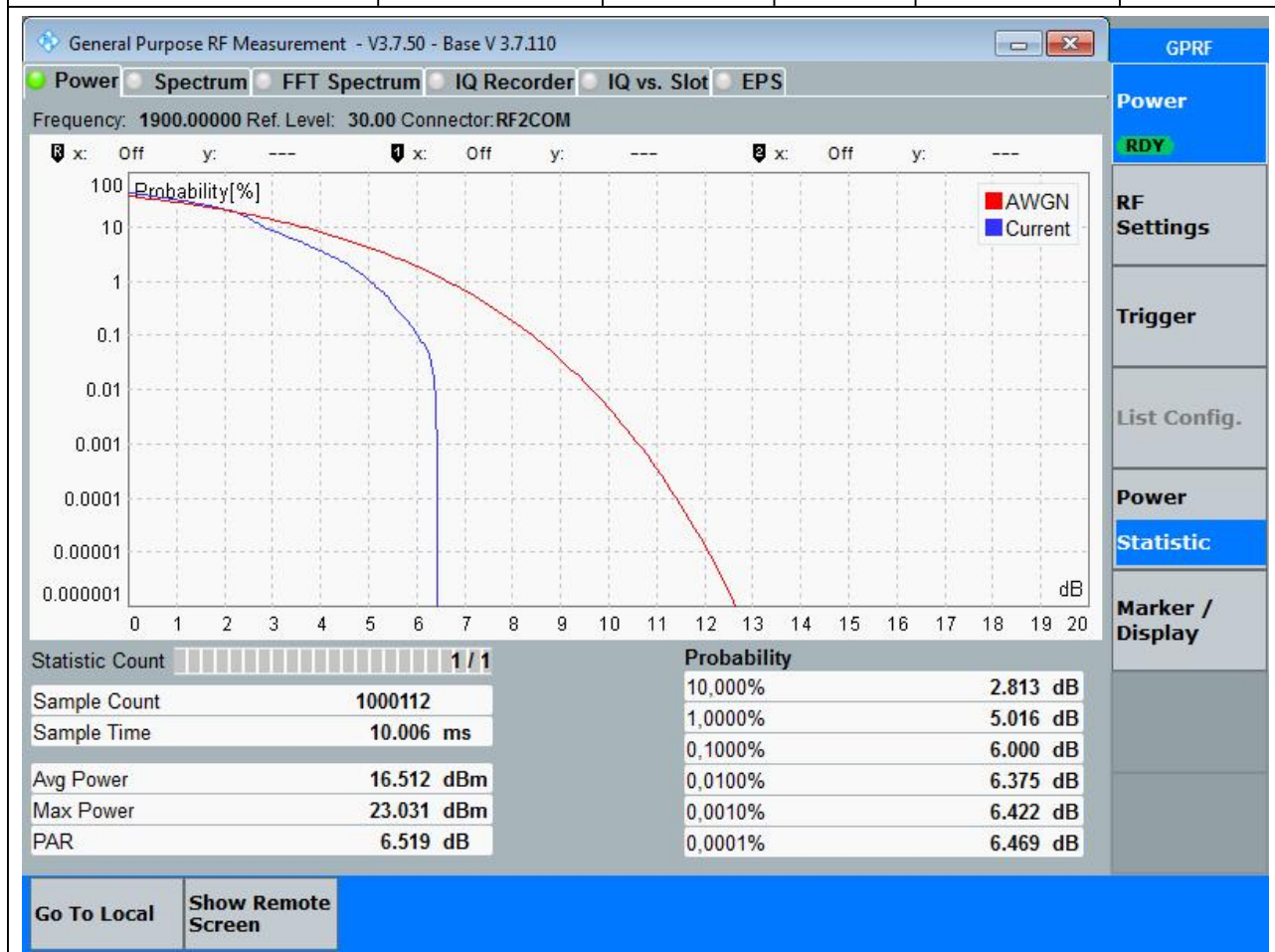
1.10. LTE Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	20	5.48	13	Pass



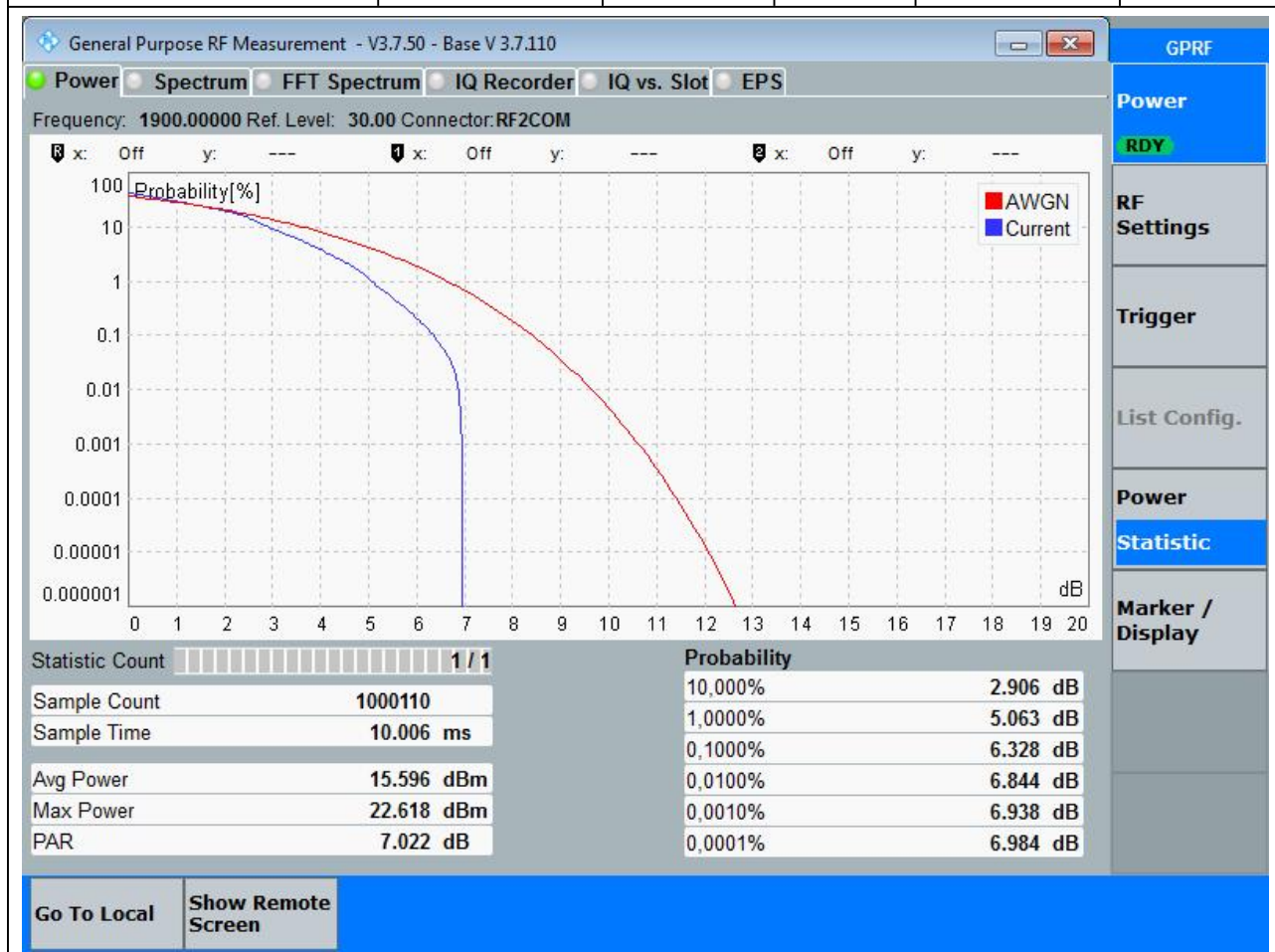
1.11. LTE Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	20	6	13	Pass



1.12. LTE Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

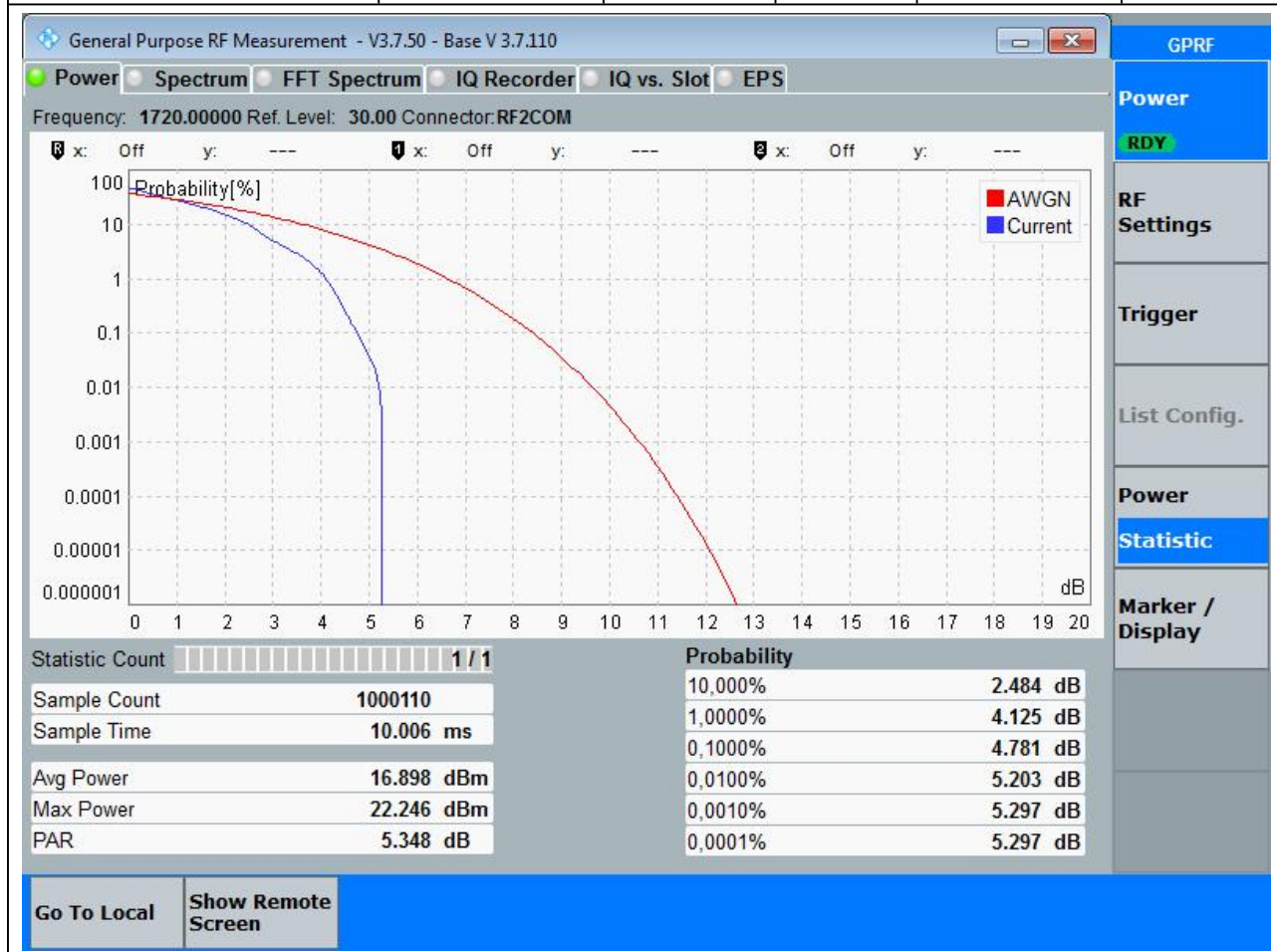
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1900	0.1	20	6.33	13	Pass



2. LTE_Band4

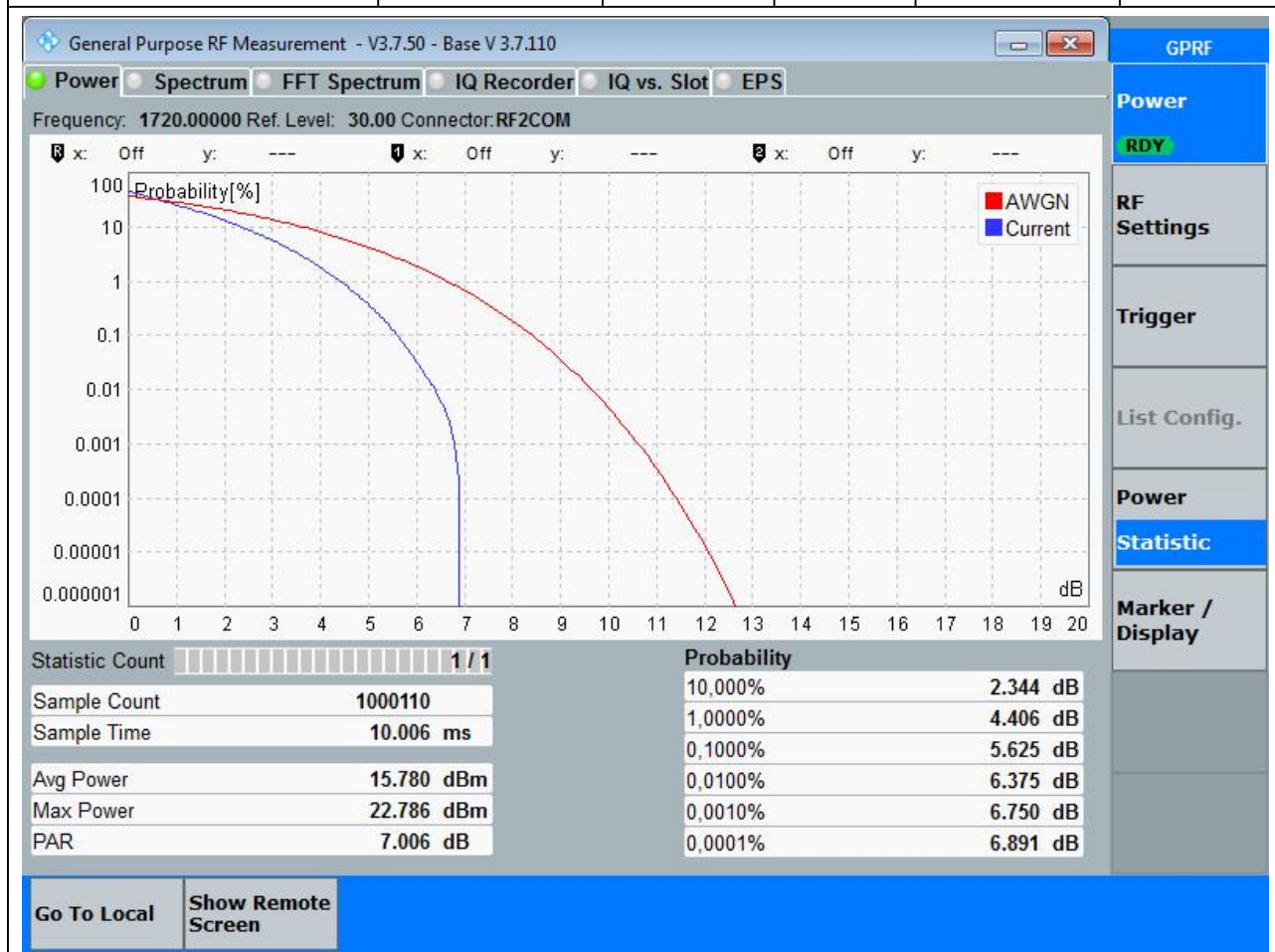
2.1. LTE Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	20	4.78	13	Pass



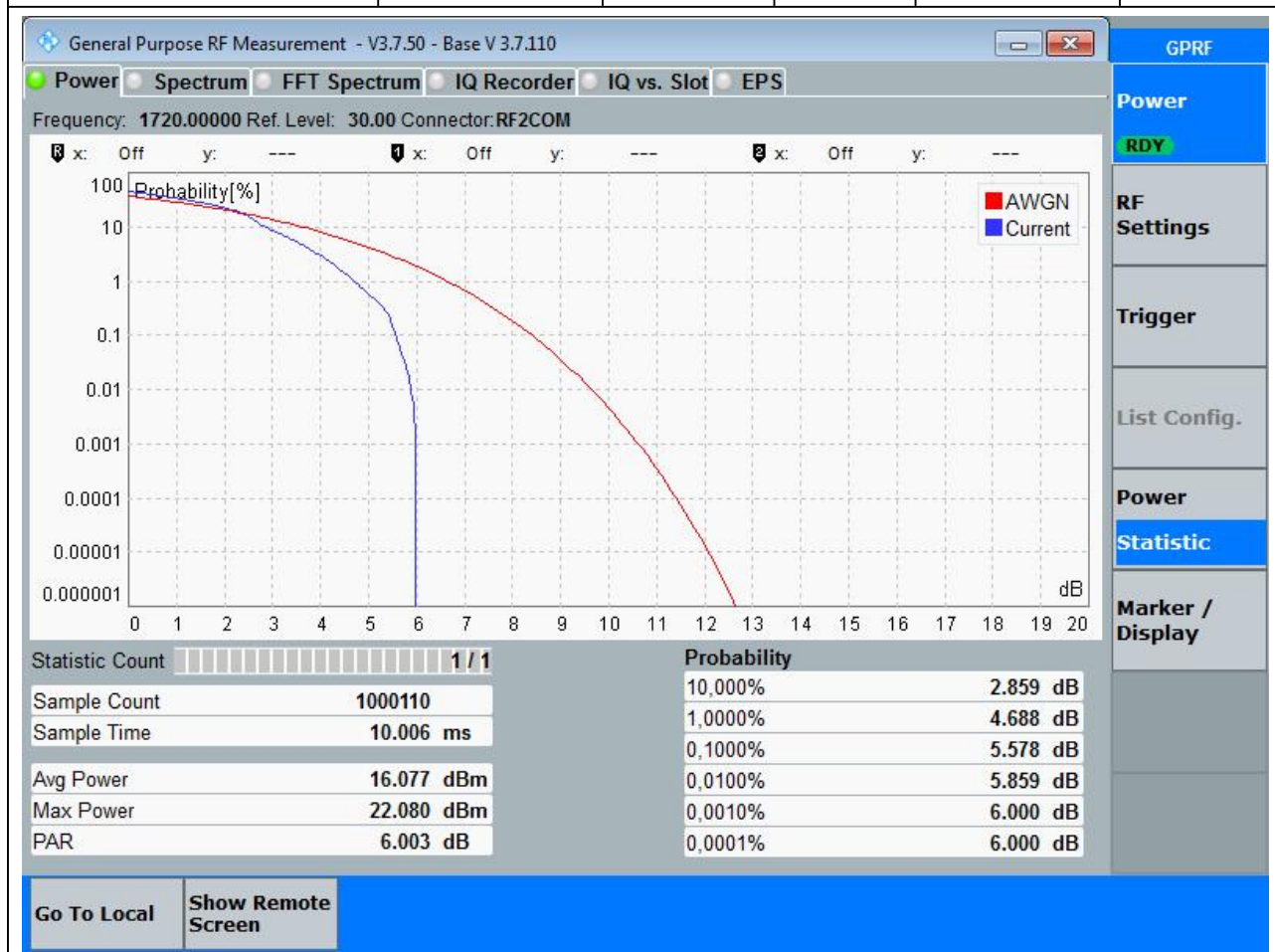
2.2. LTE Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	20	5.62	13	Pass



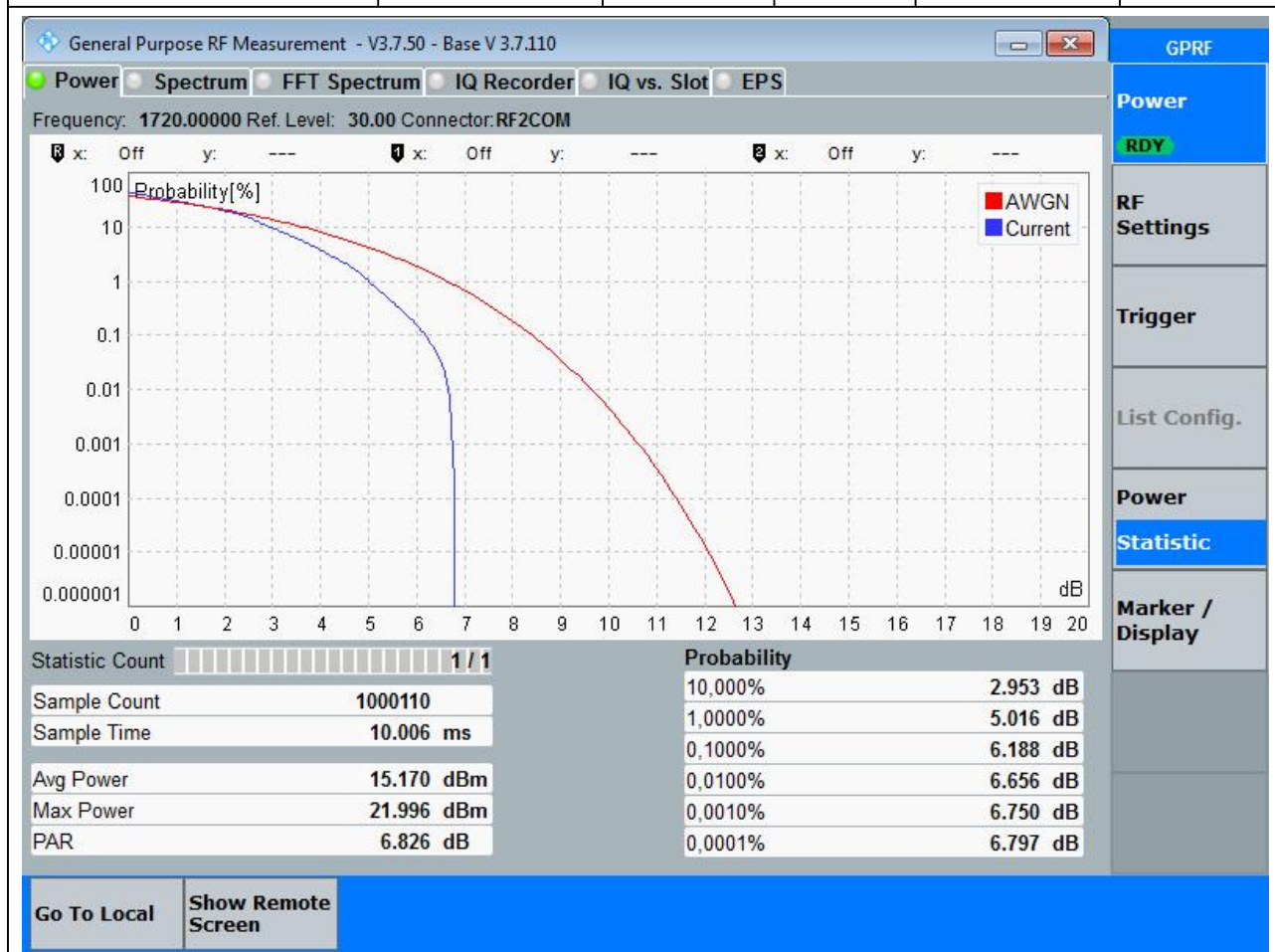
2.3. LTE Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	20	5.58	13	Pass



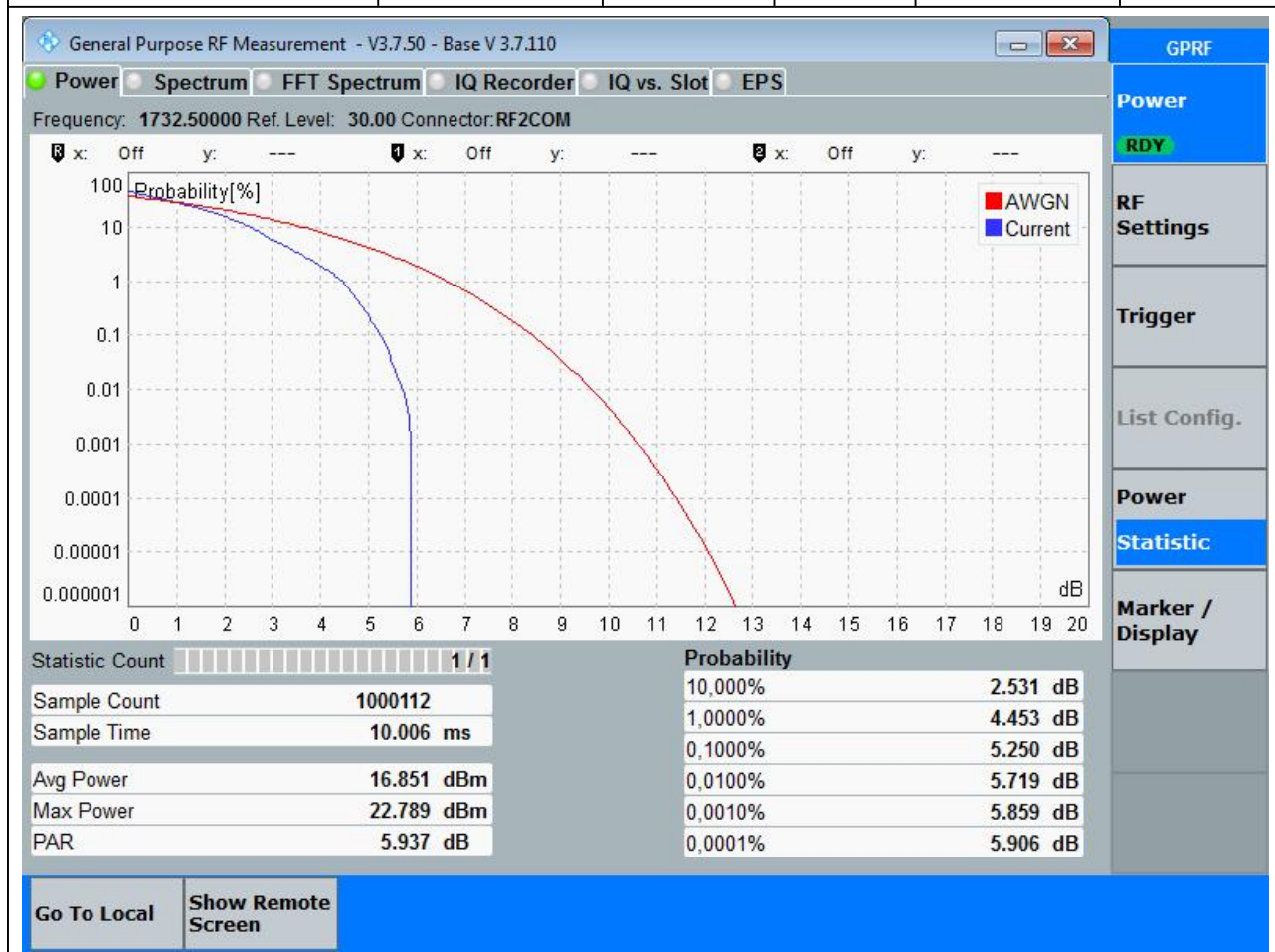
2.4. LTE Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	20	6.19	13	Pass



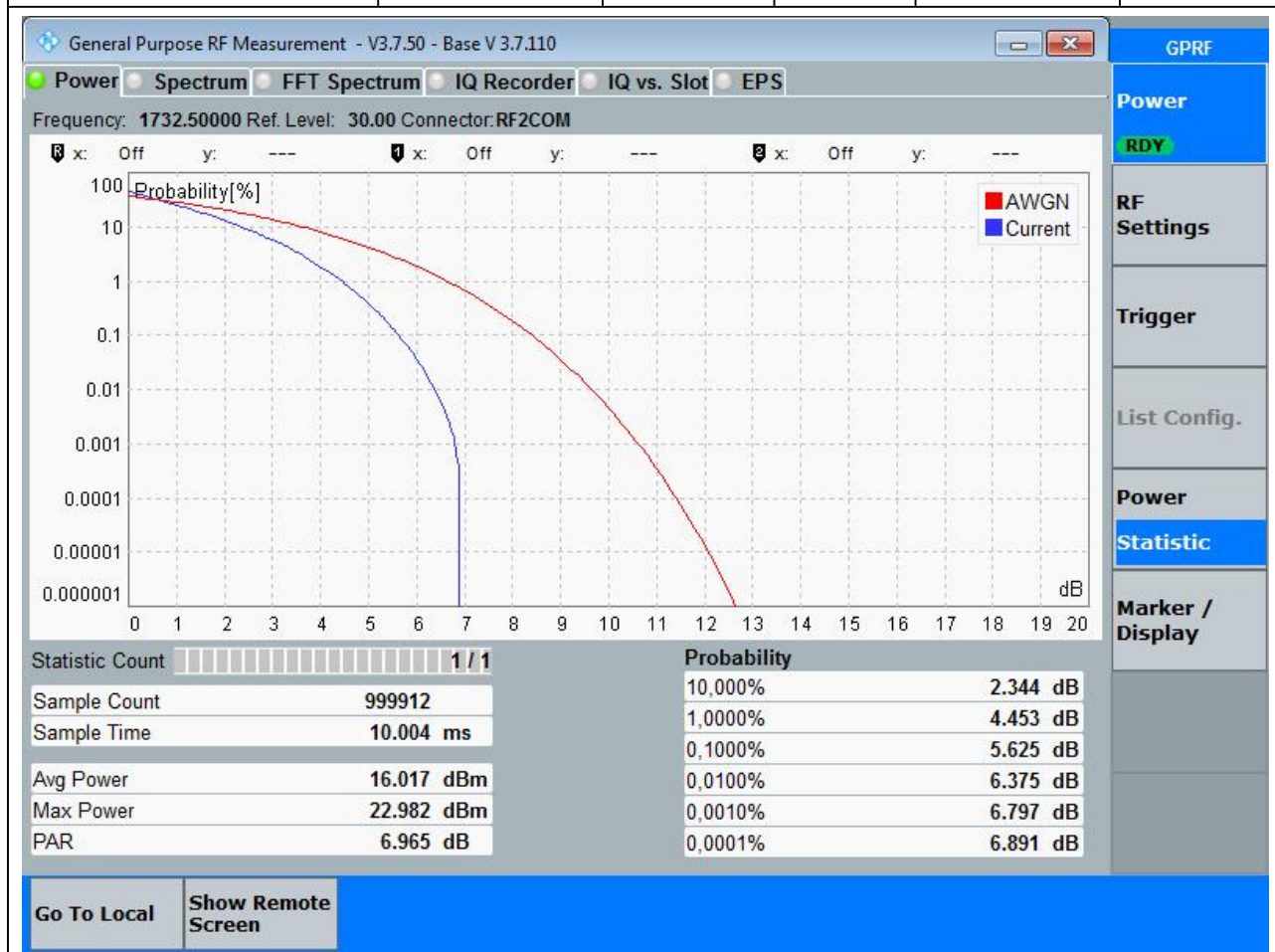
2.5. LTE Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	20	5.25	13	Pass



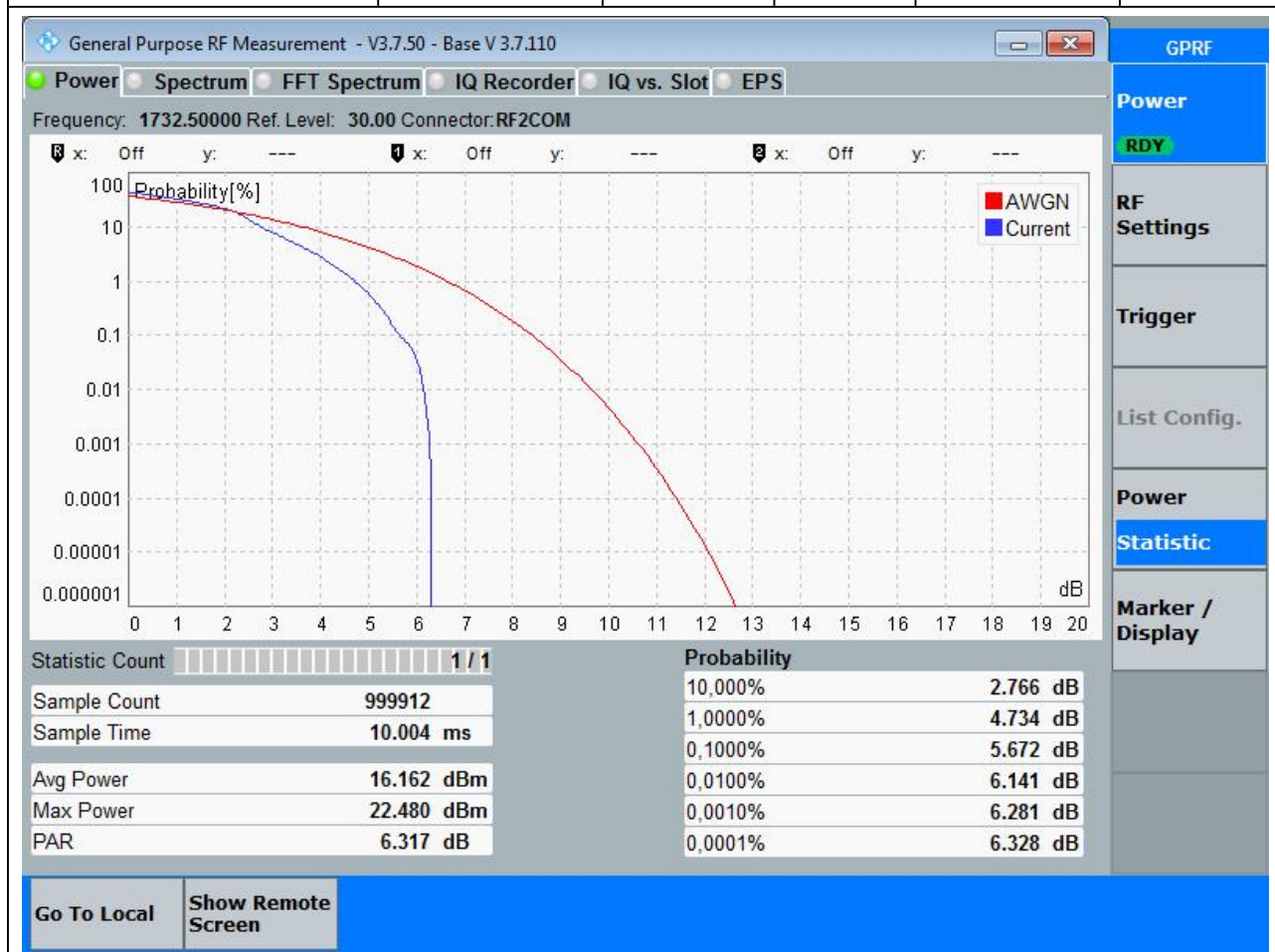
2.6. LTE Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	20	5.62	13	Pass



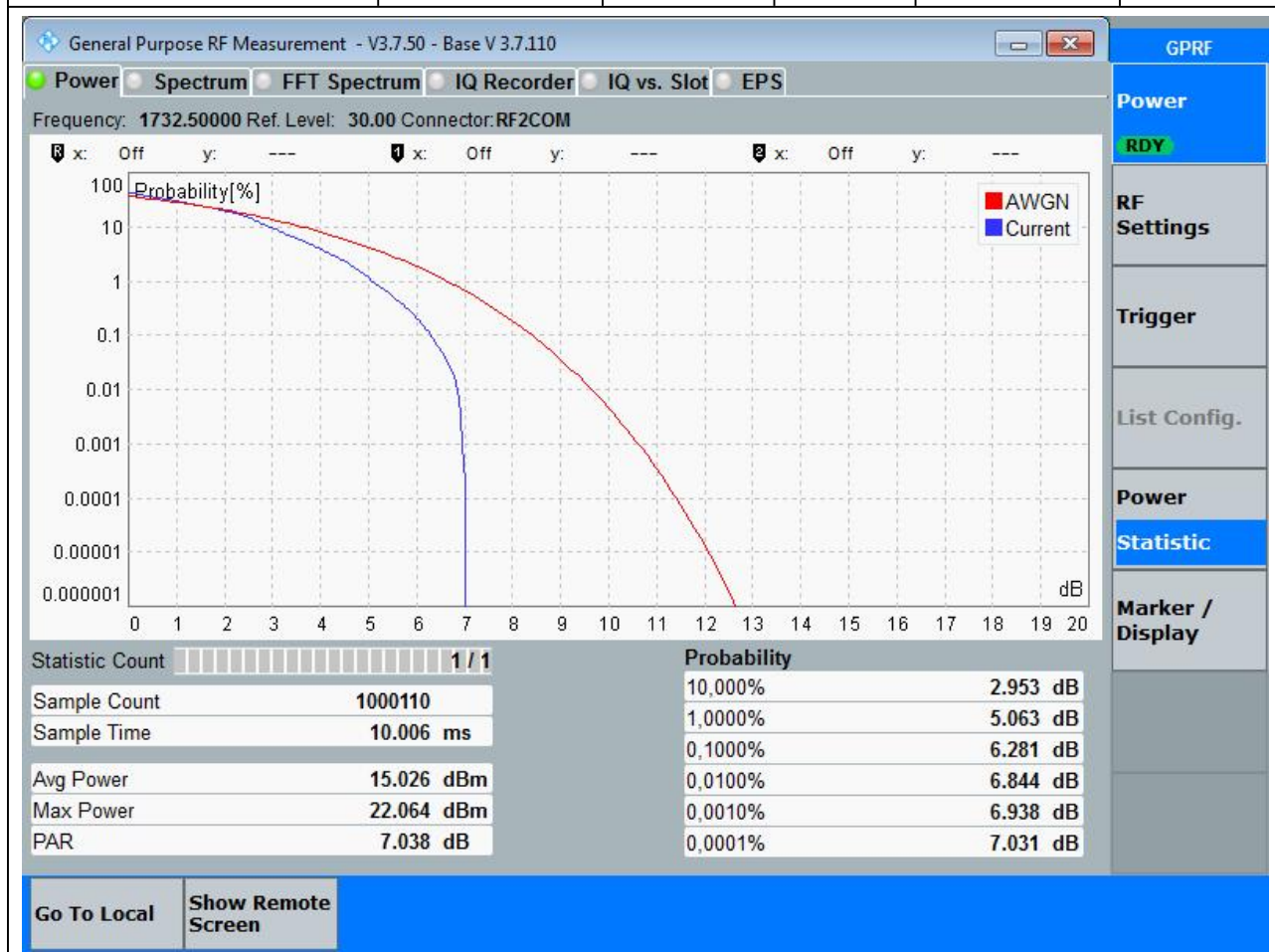
2.7. LTE Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	20	5.67	13	Pass



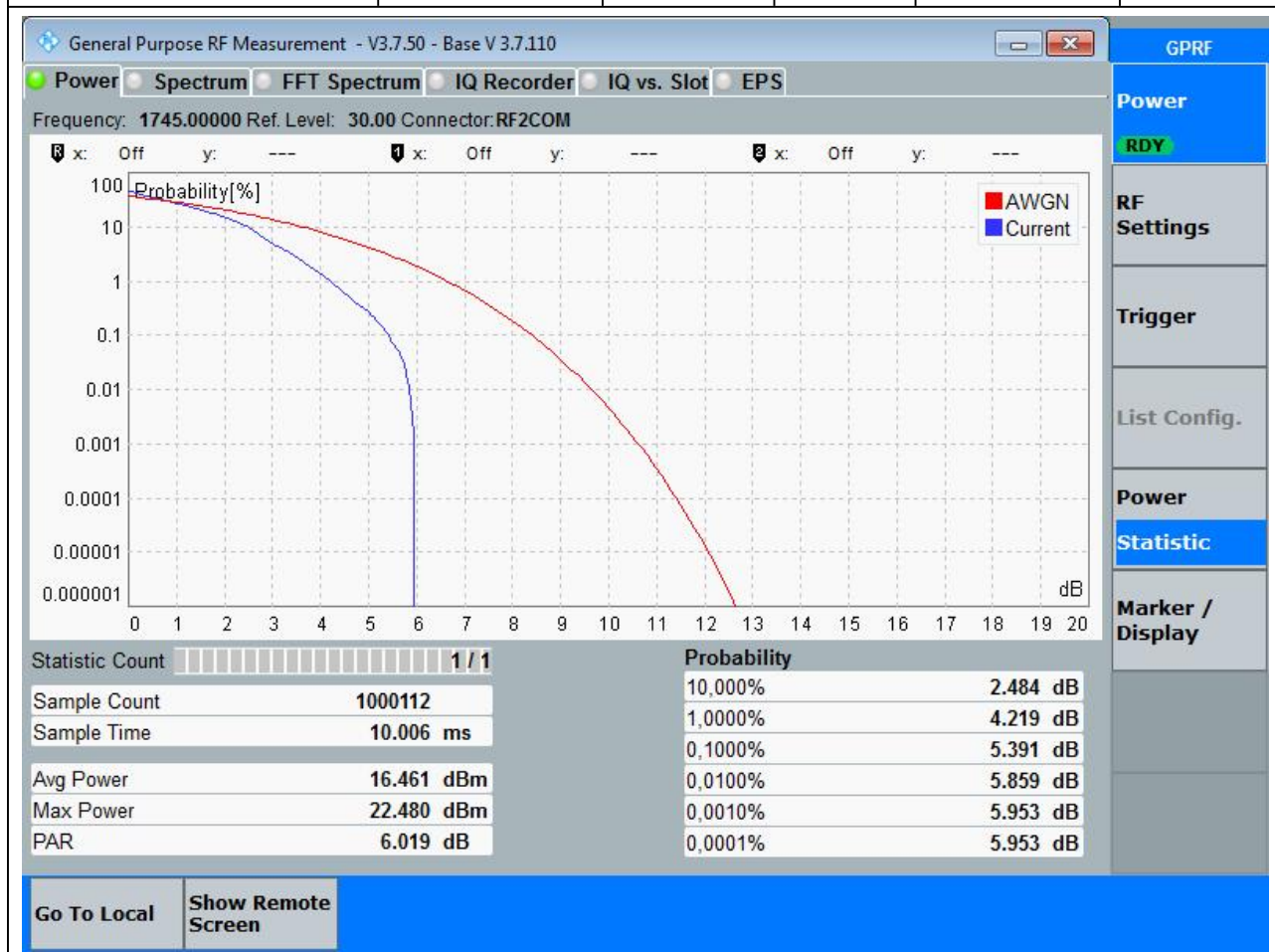
2.8. LTE Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1732.5	0.1	20	6.28	13	Pass



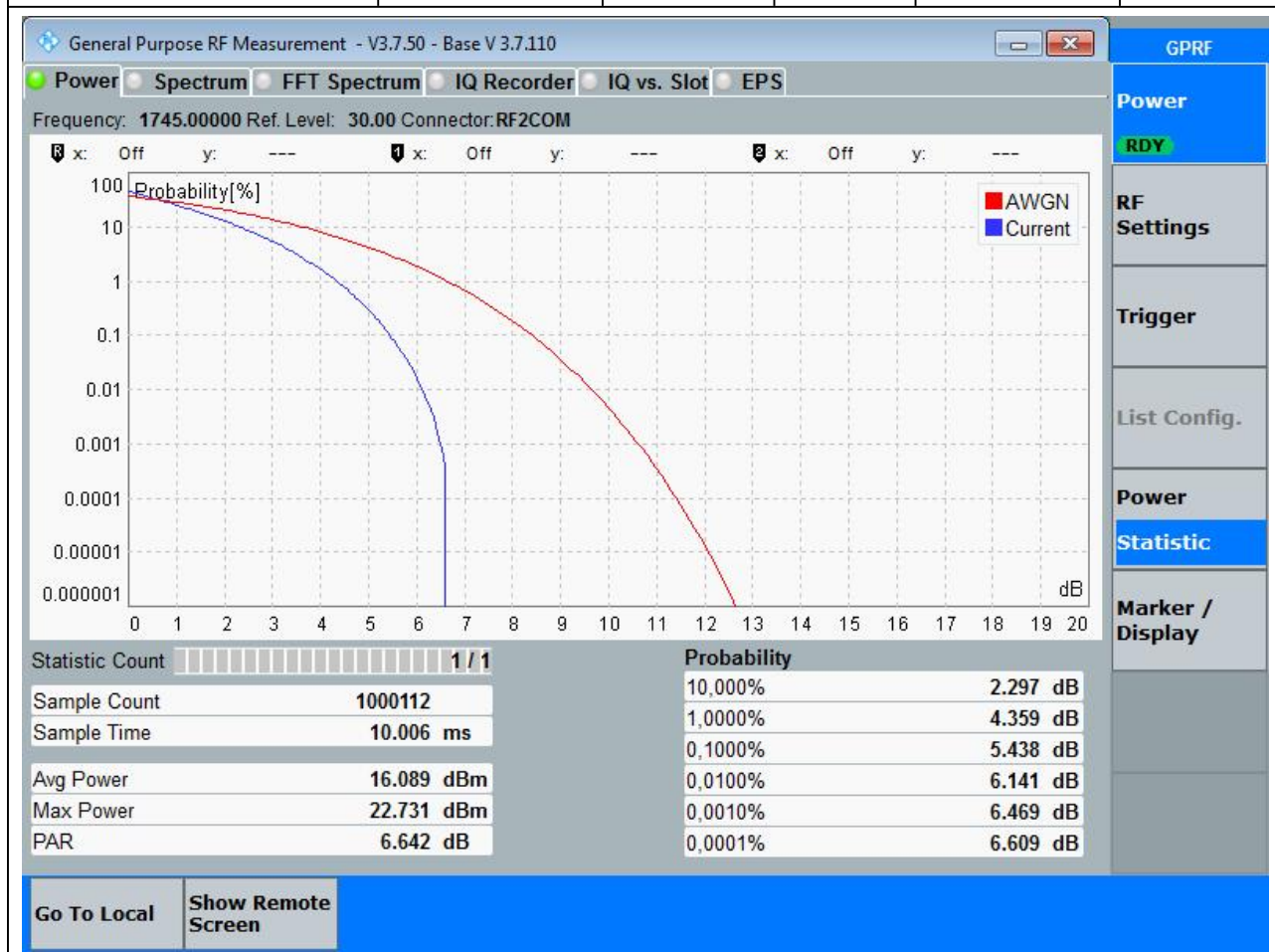
2.9. LTE Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	20	5.39	13	Pass



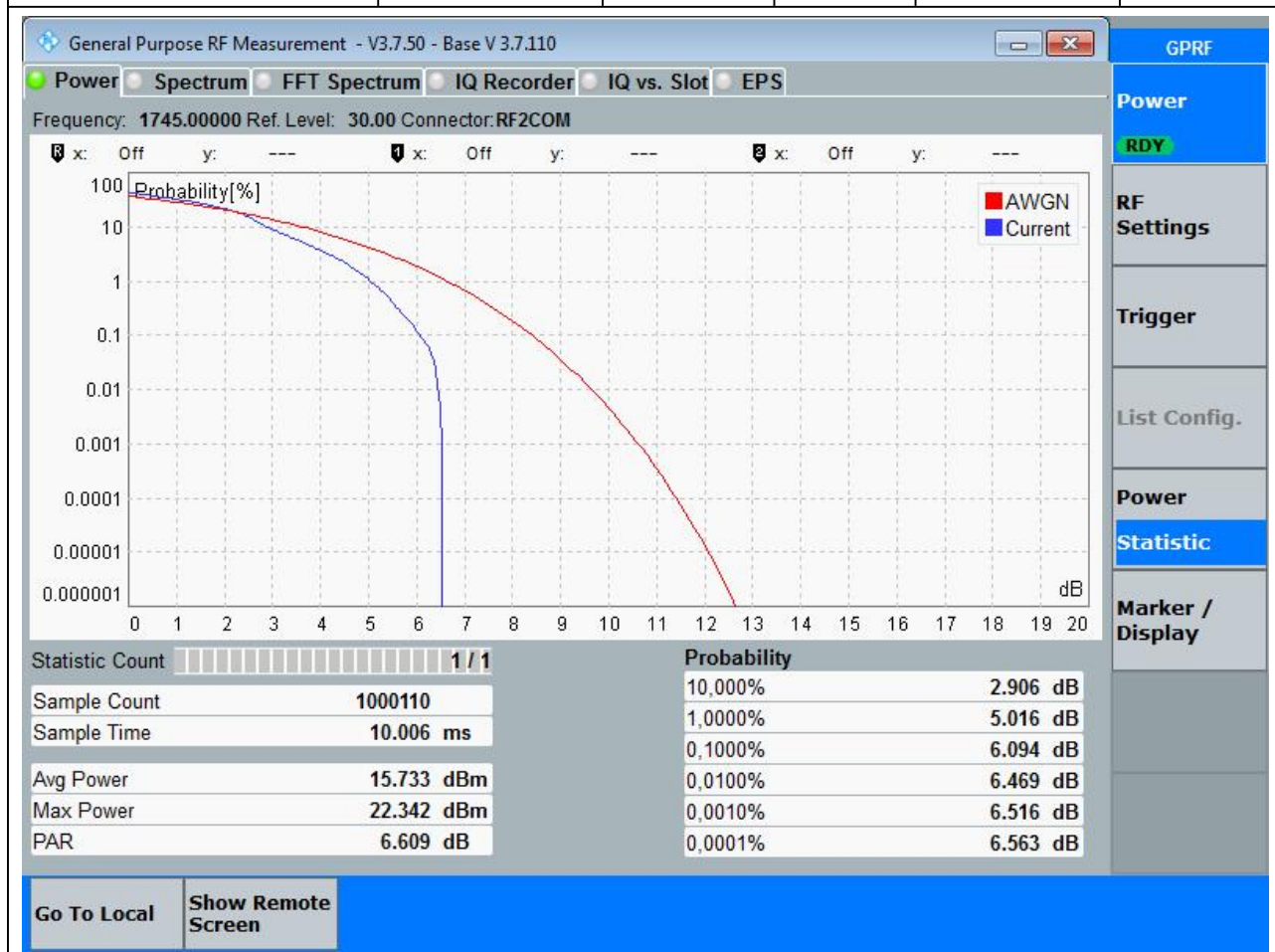
2.10. LTE Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	20	5.44	13	Pass



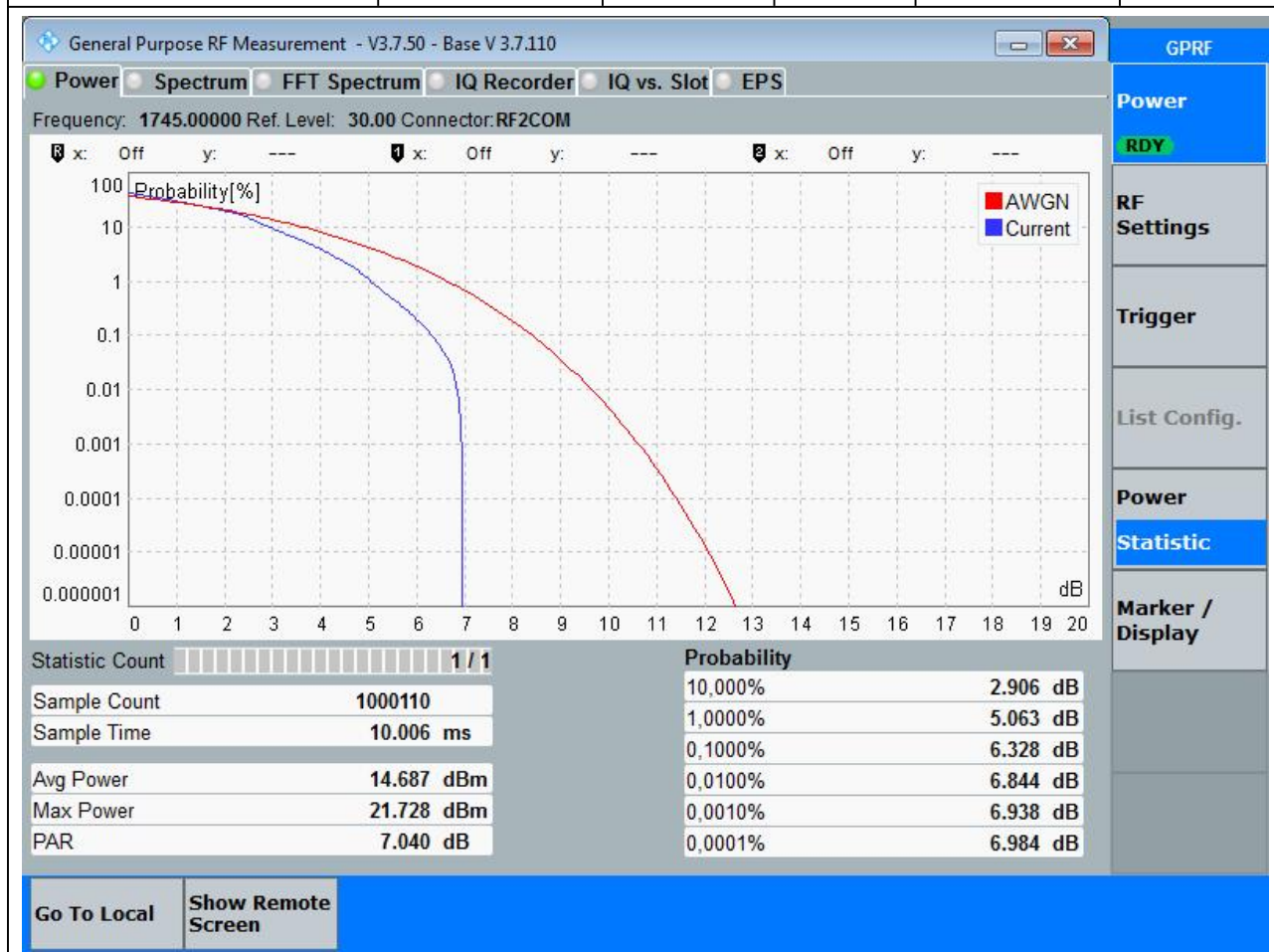
2.11. LTE Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	20	6.09	13	Pass



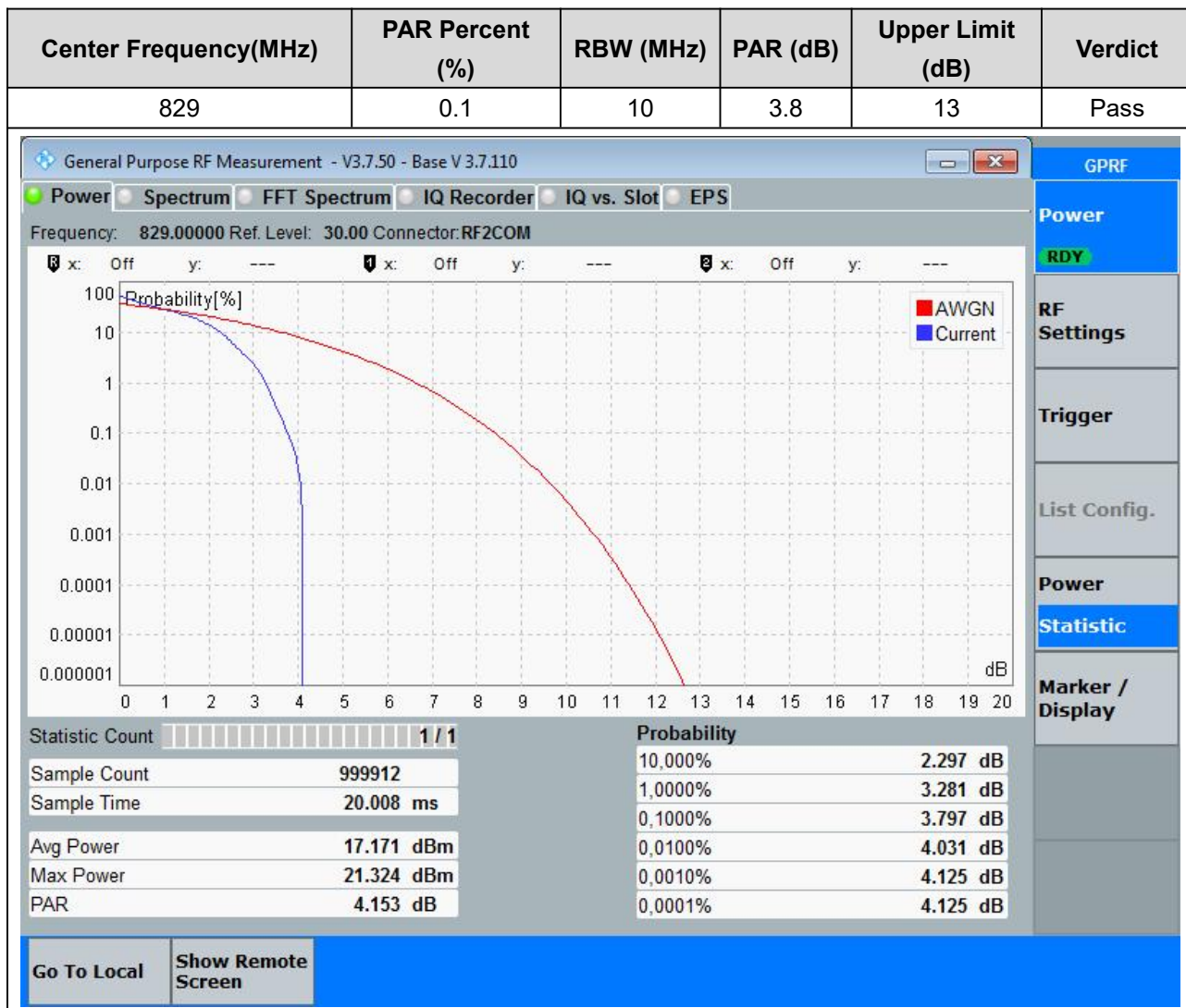
2.12. LTE Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1745	0.1	20	6.33	13	Pass



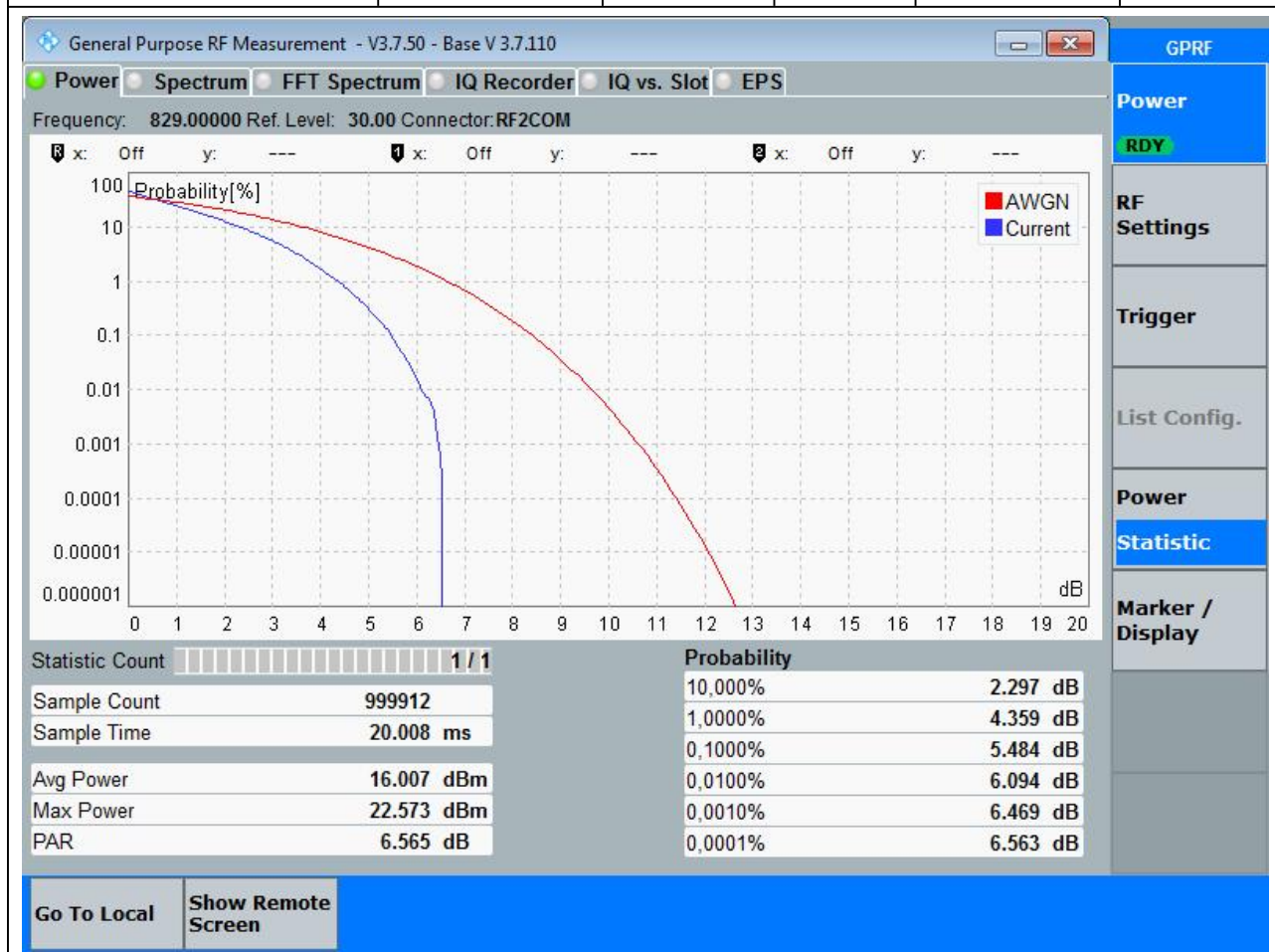
3. LTE_Band5

3.1. LTE Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



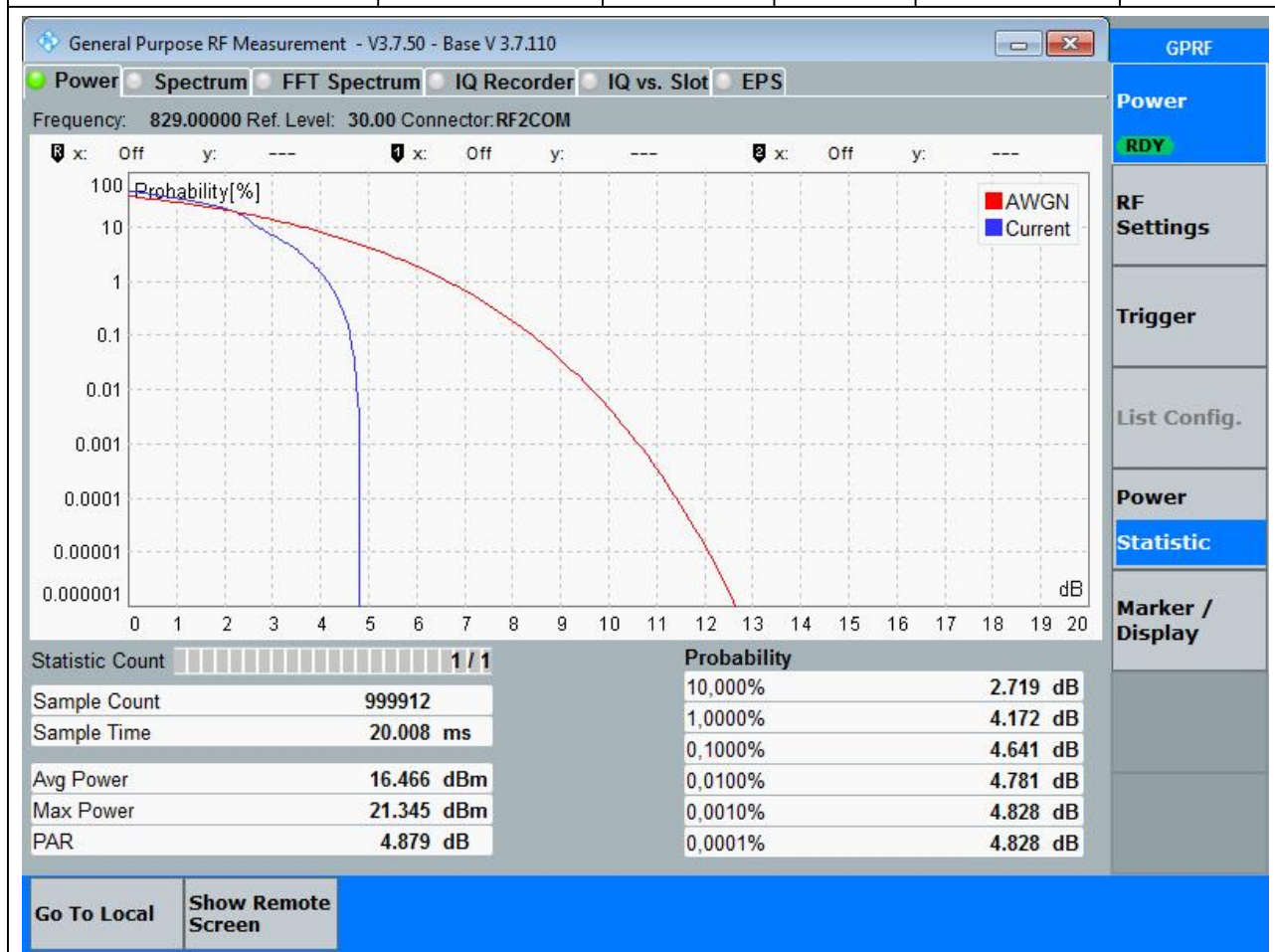
3.2. LTE Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	10	5.48	13	Pass



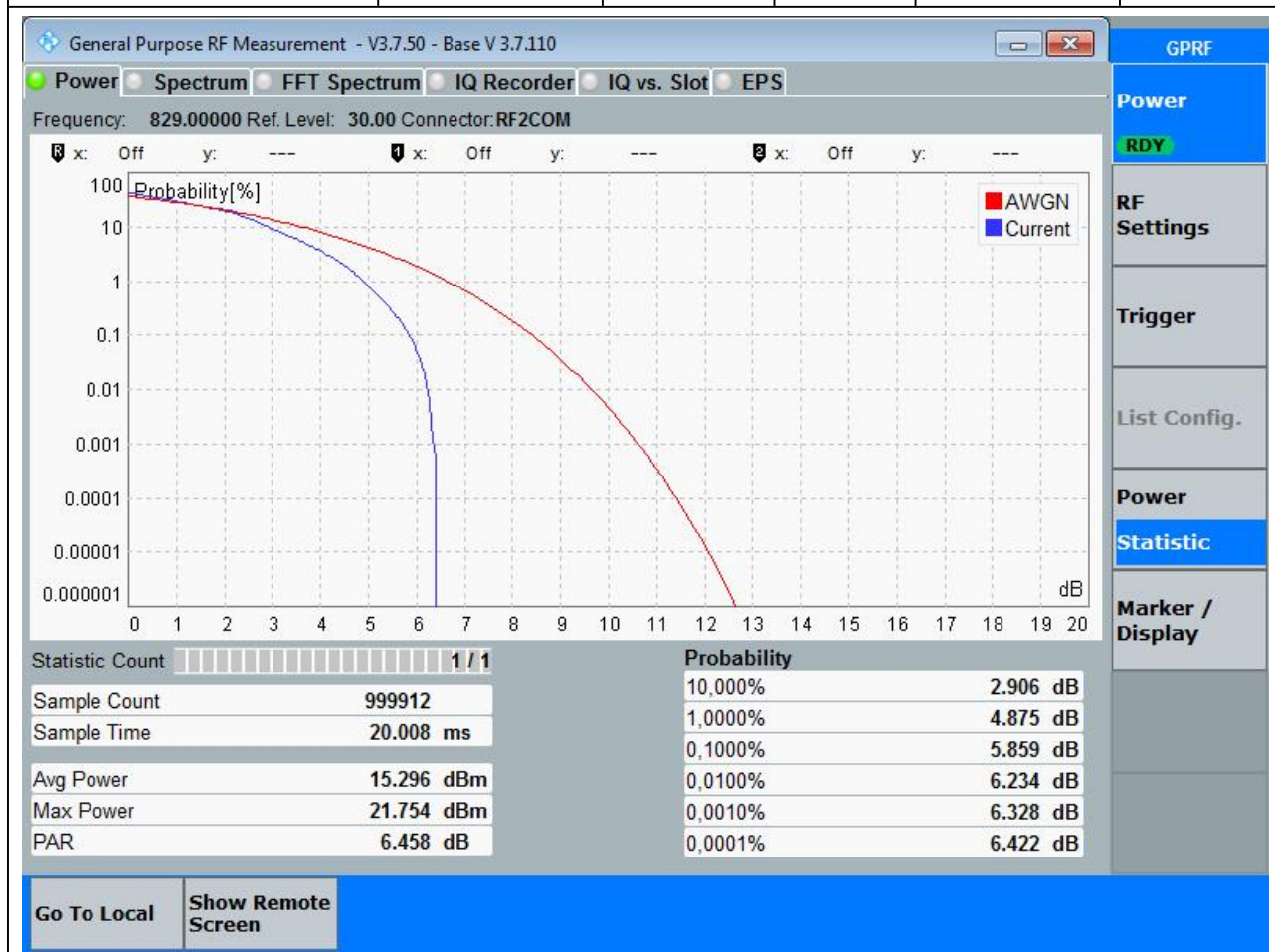
3.3. LTE Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	10	4.64	13	Pass



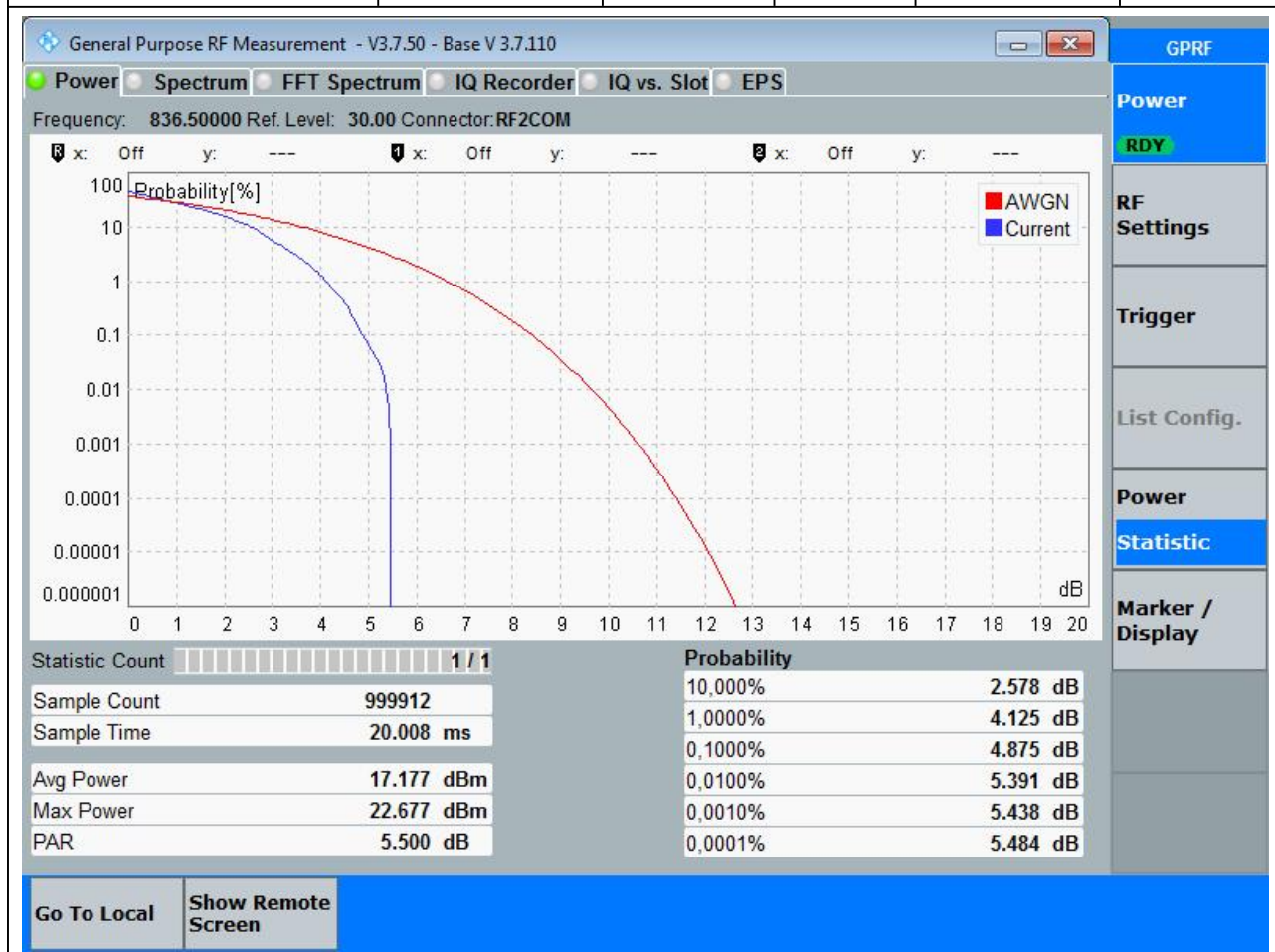
3.4. LTE Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	10	5.86	13	Pass



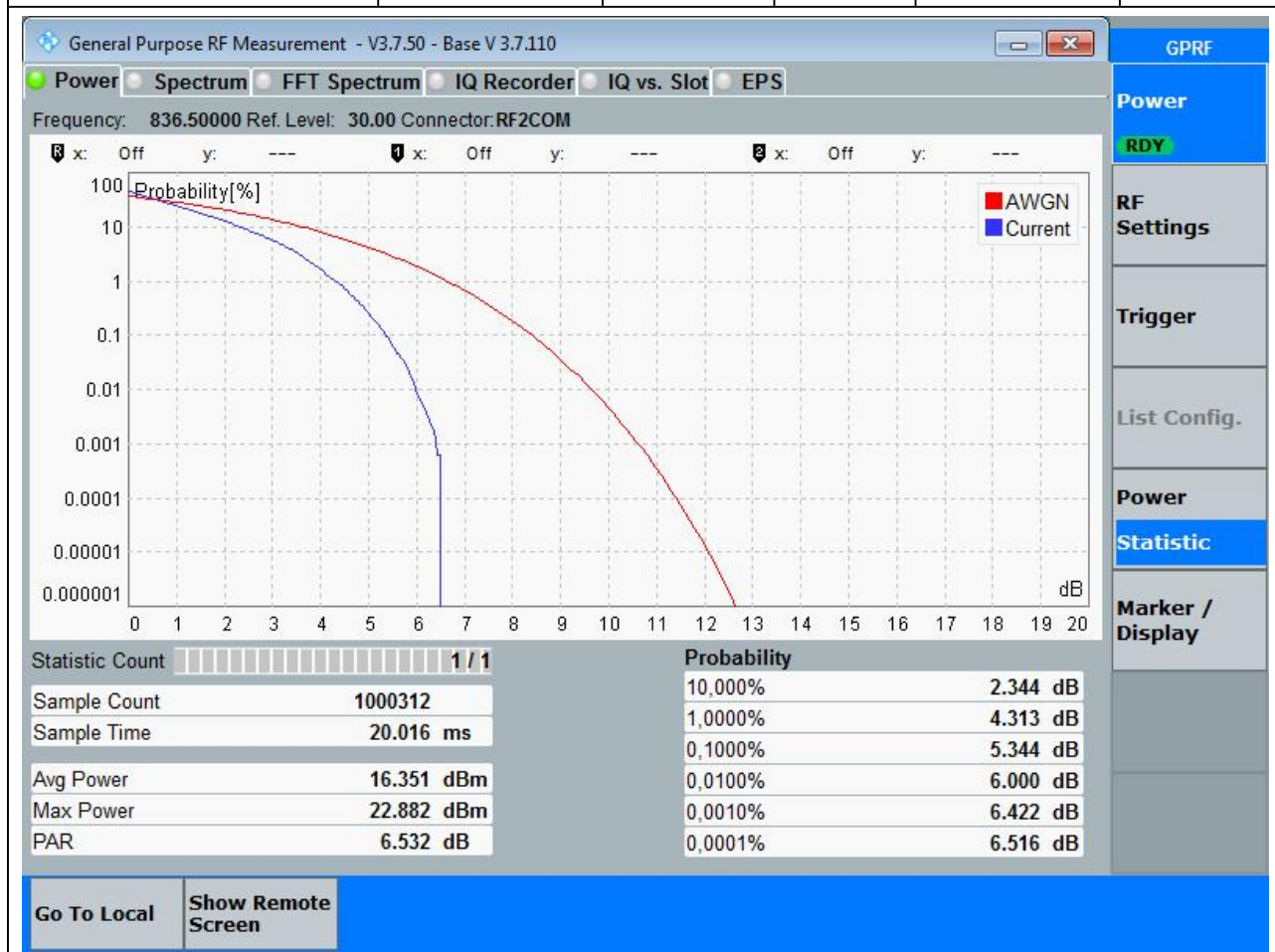
3.5. LTE Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	10	4.87	13	Pass



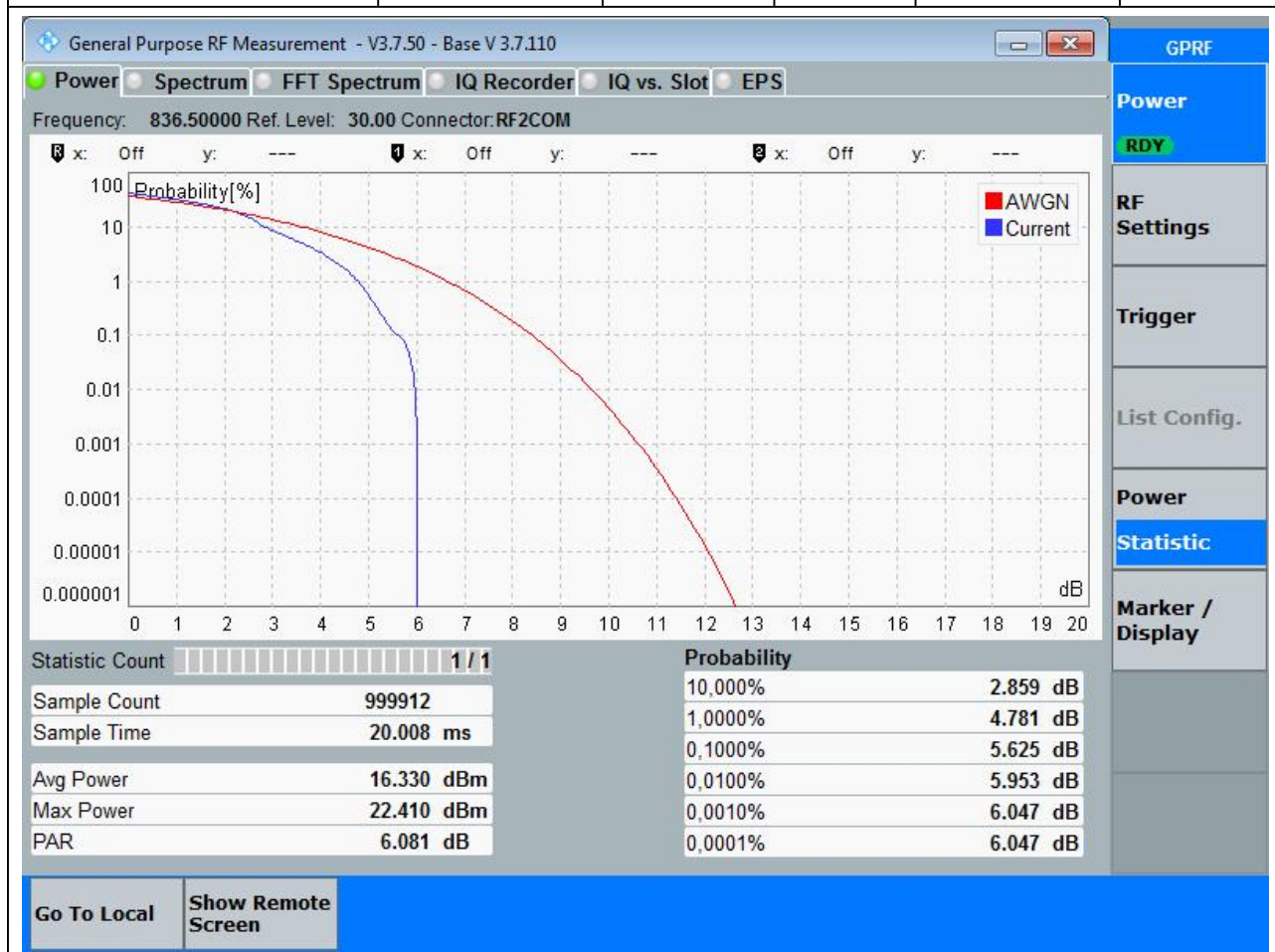
3.6. LTE Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	10	5.34	13	Pass



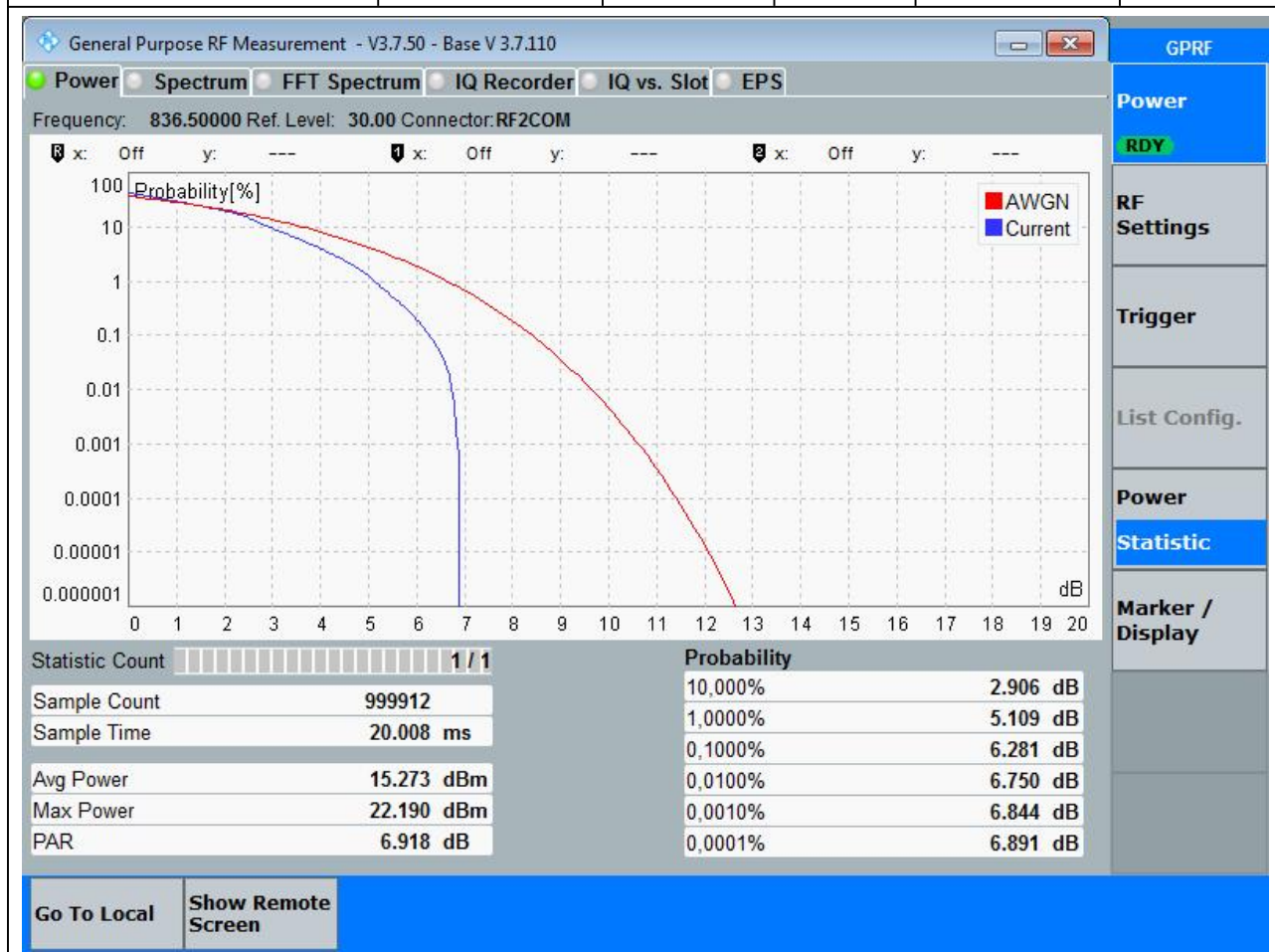
3.7. LTE Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	10	5.62	13	Pass



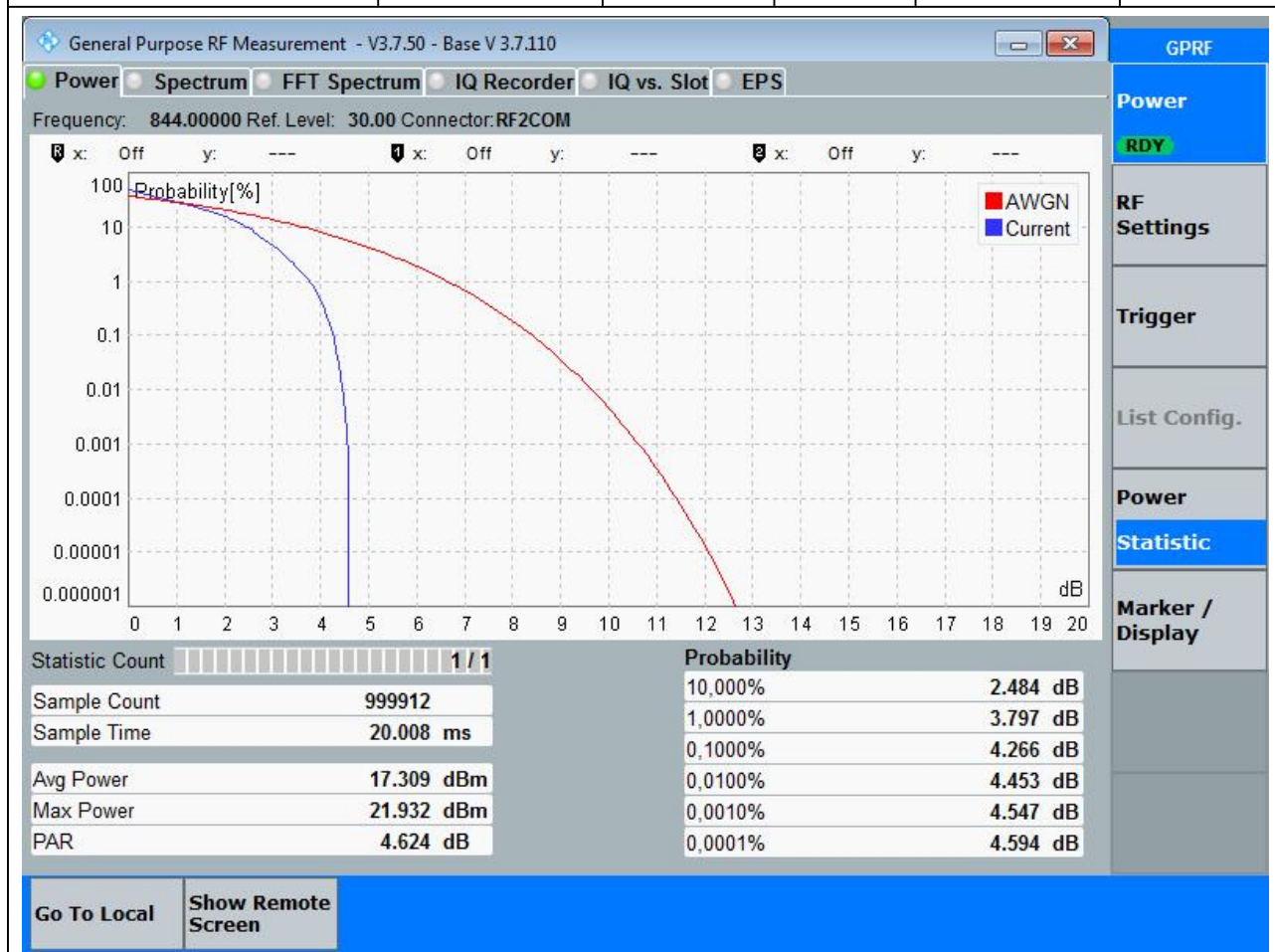
3.8. LTE Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
836.5	0.1	10	6.28	13	Pass



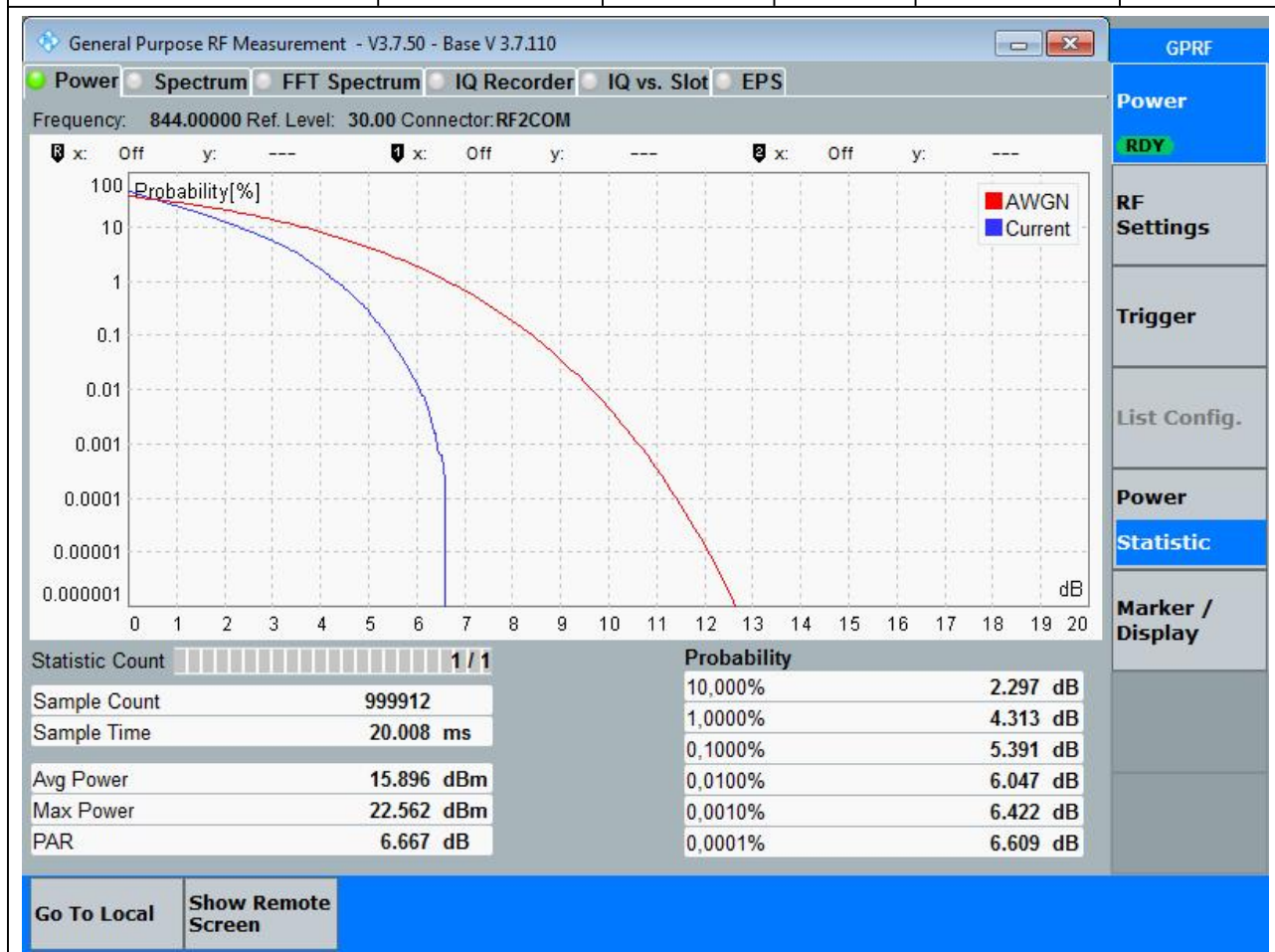
3.9. LTE Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	10	4.27	13	Pass



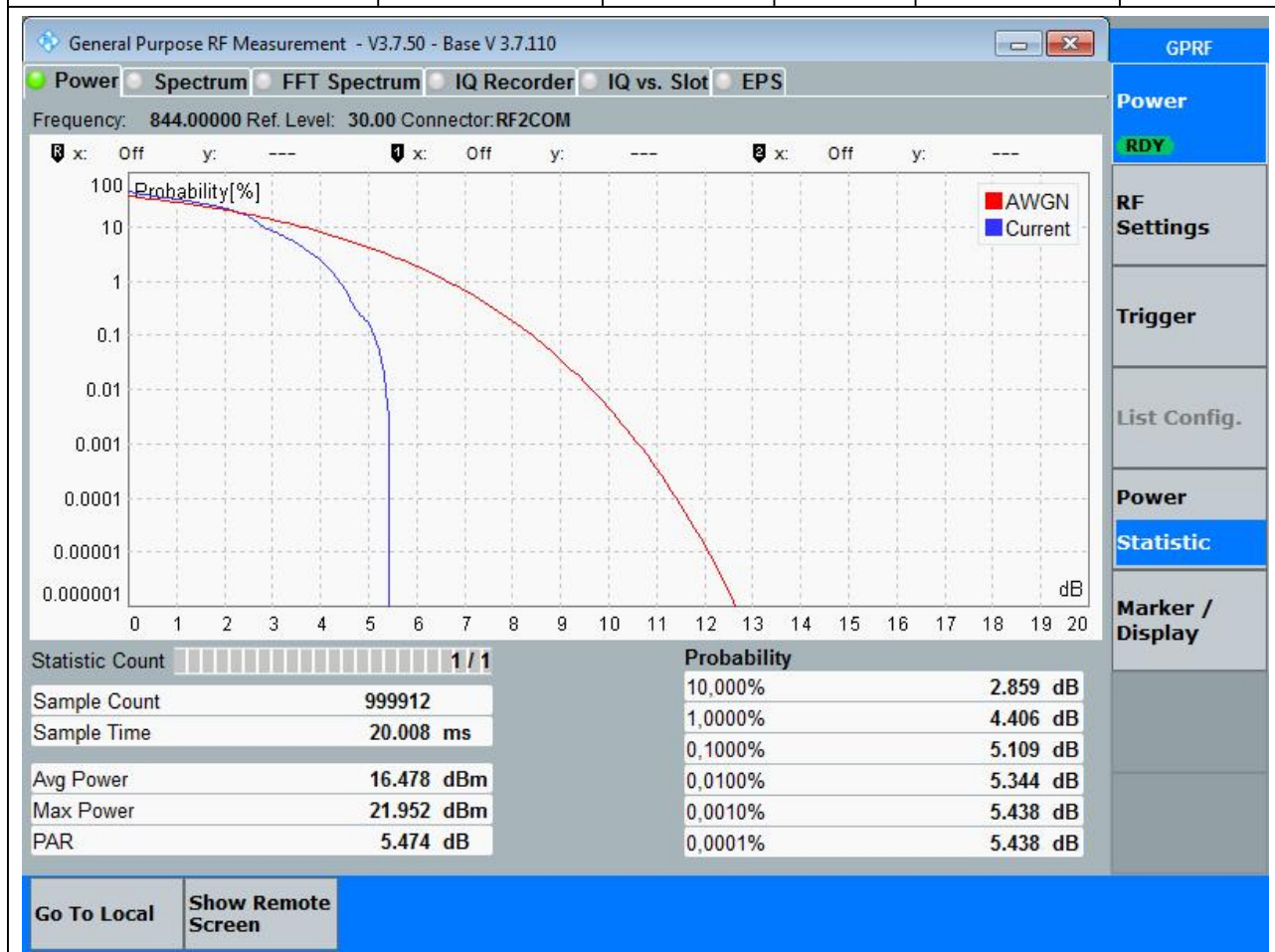
3.10. LTE Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	10	5.39	13	Pass



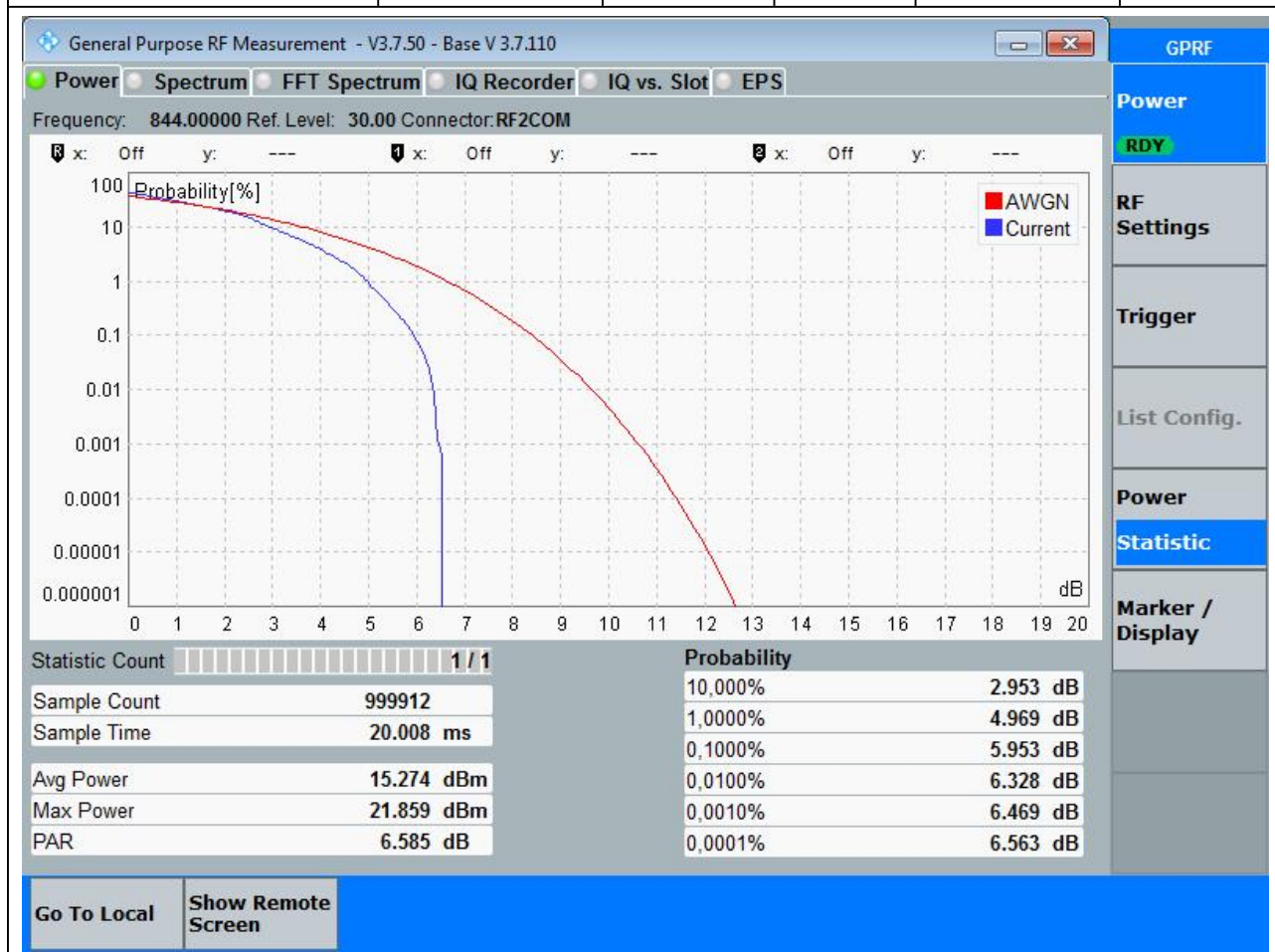
3.11. LTE Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	10	5.11	13	Pass



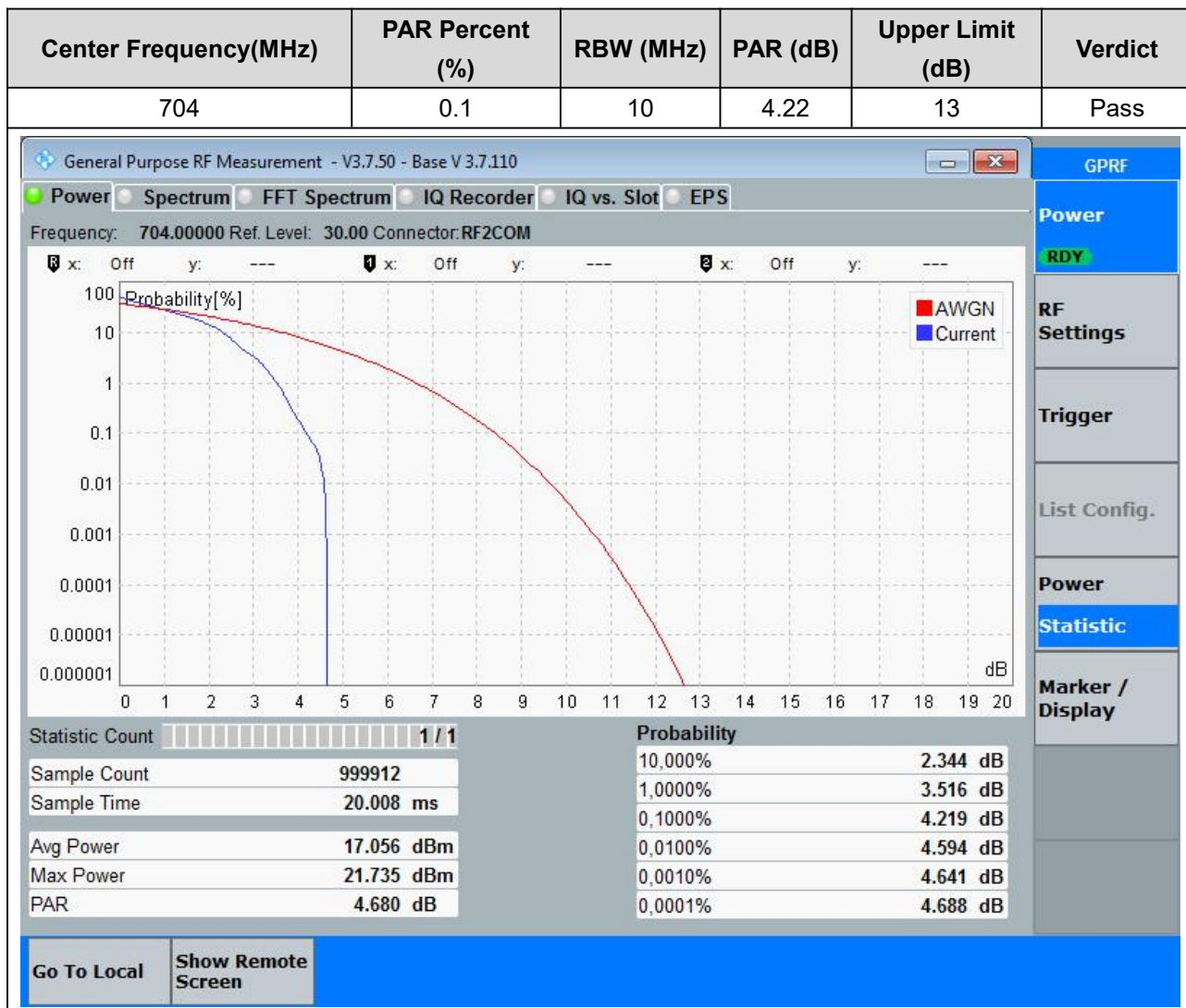
3.12. LTE Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
844	0.1	10	5.95	13	Pass



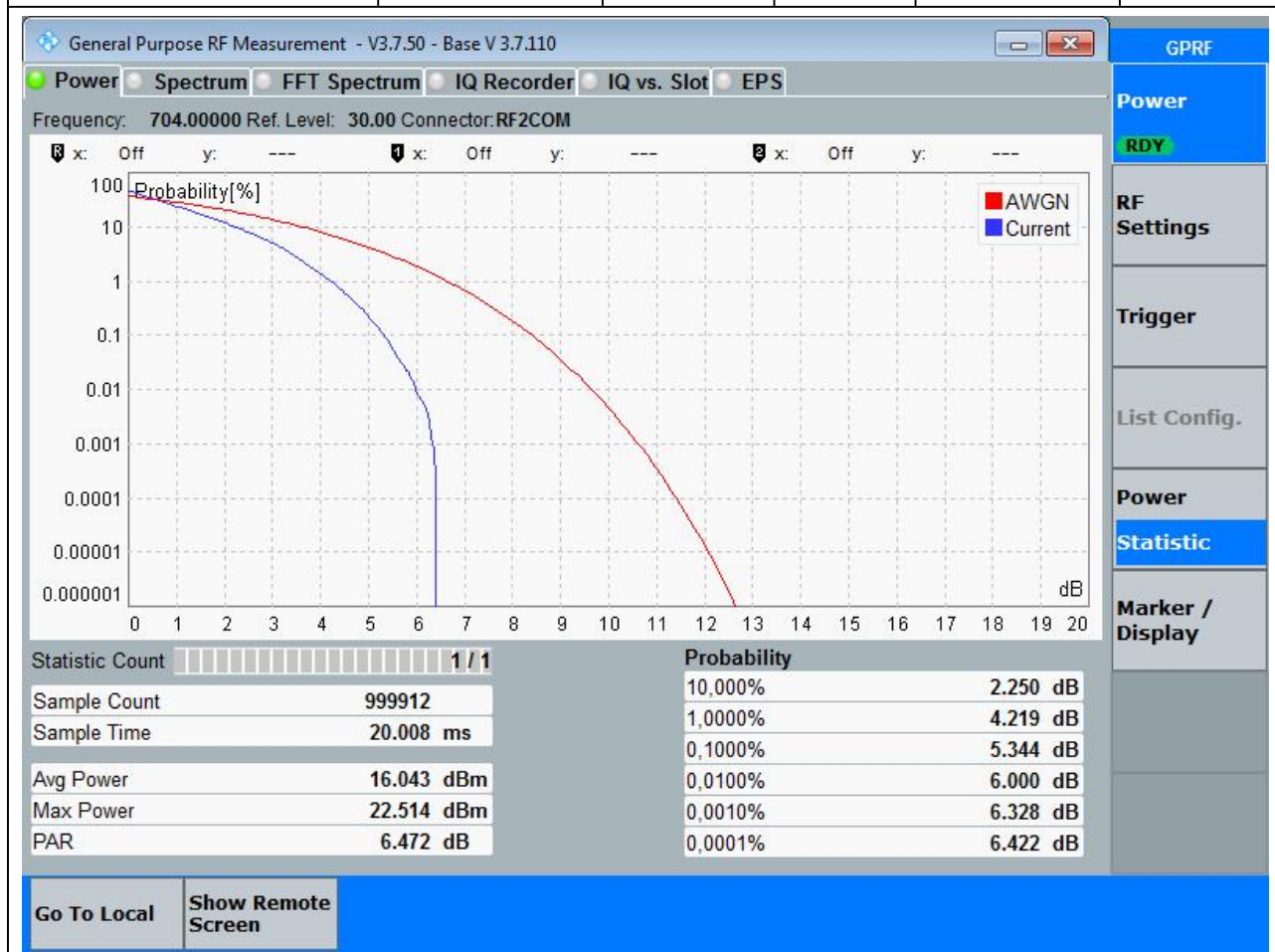
4. LTE_Band12

4.1. LTE Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



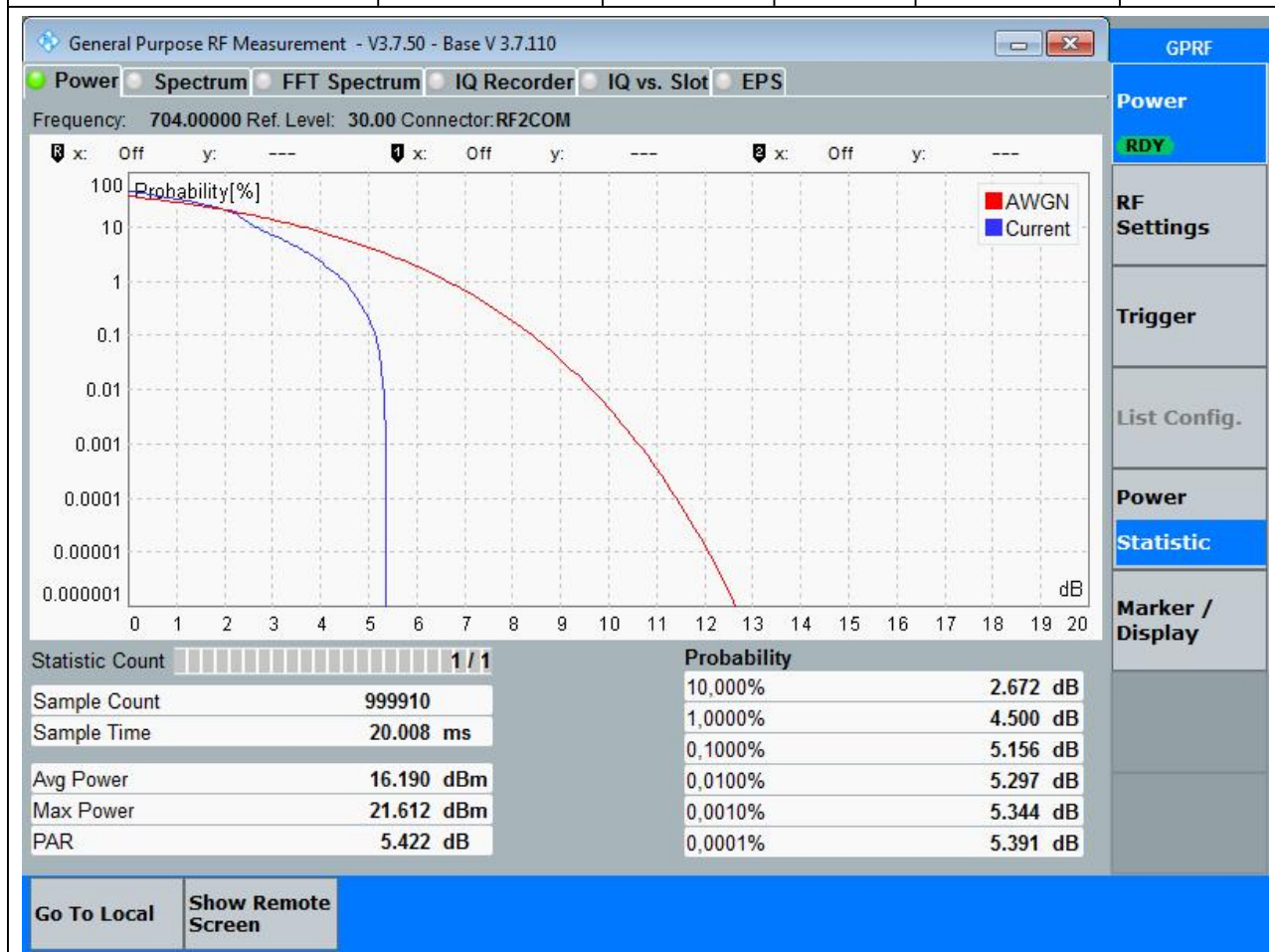
4.2. LTE Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	10	5.34	13	Pass



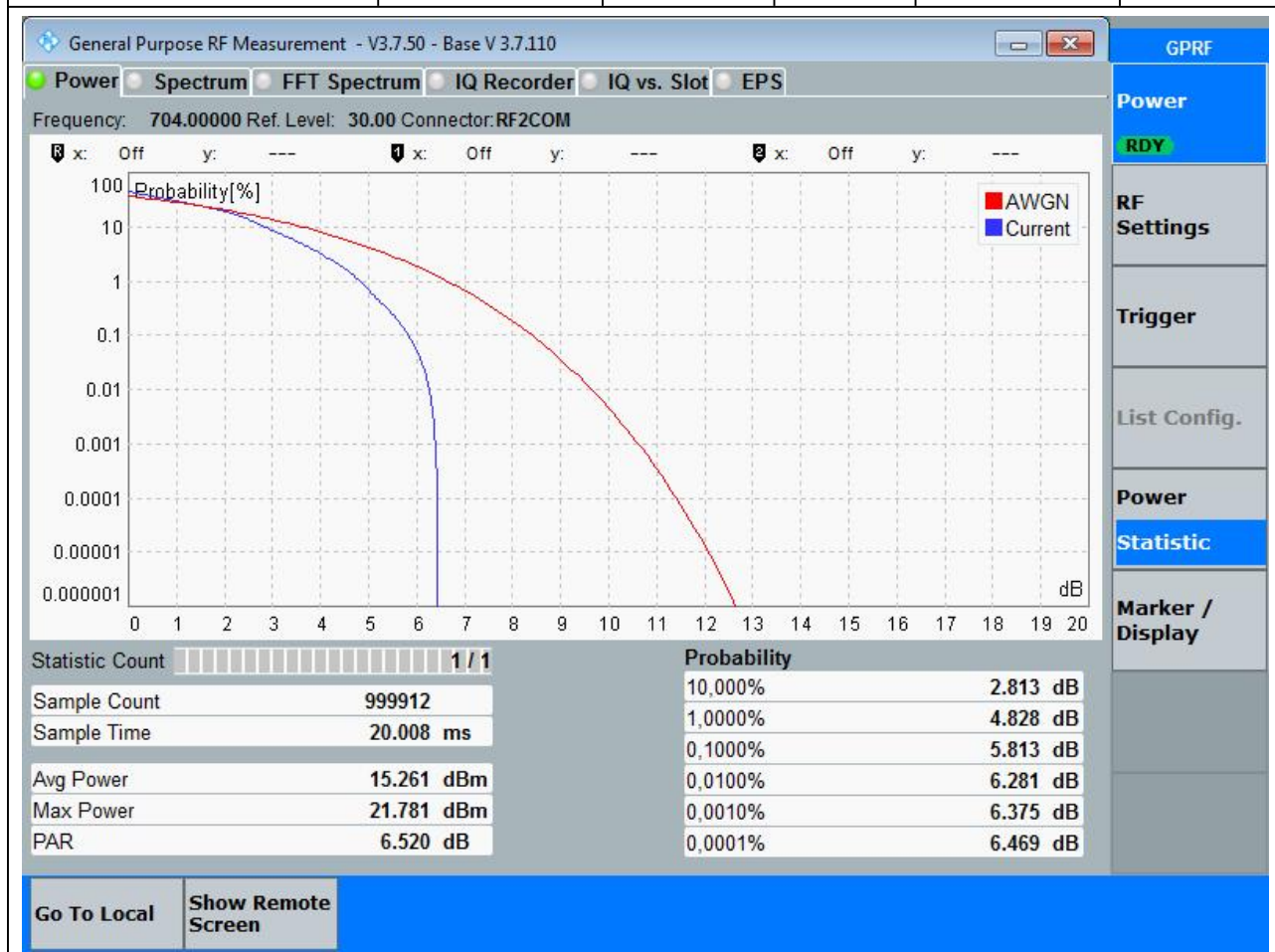
4.3. LTE Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	10	5.16	13	Pass



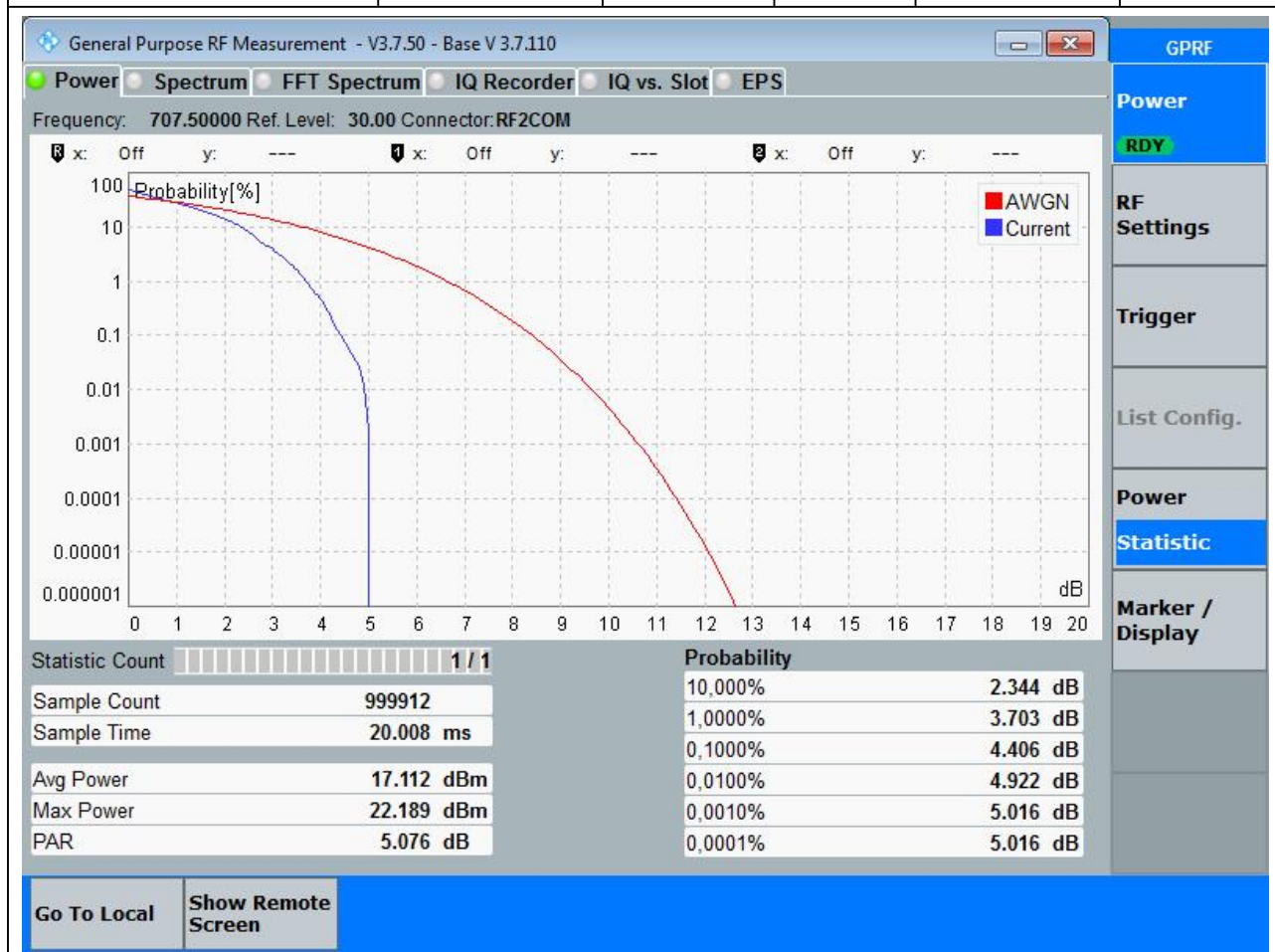
4.4. LTE Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	10	5.81	13	Pass



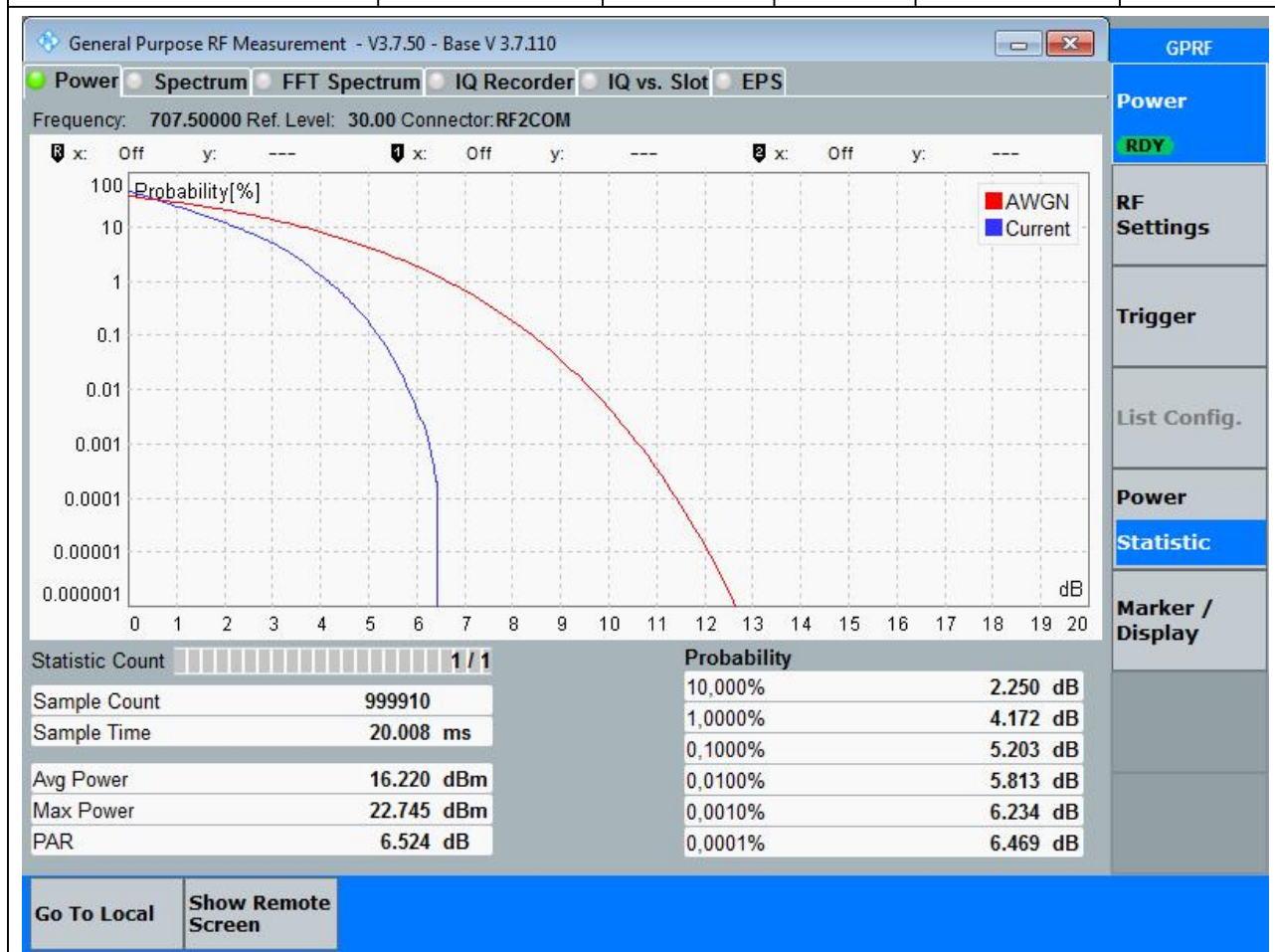
4.5. LTE Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	10	4.41	13	Pass



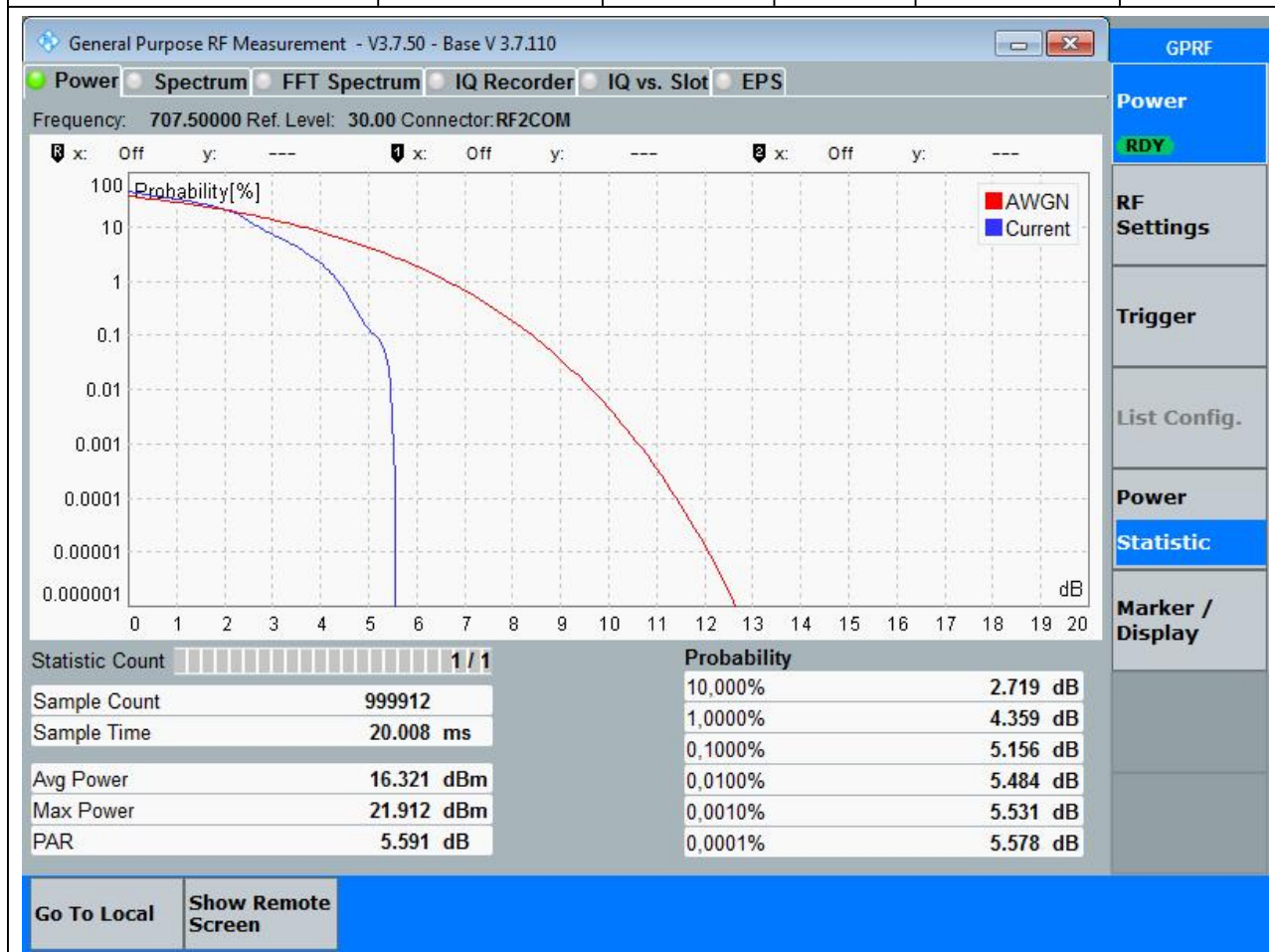
4.6. LTE Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	10	5.2	13	Pass



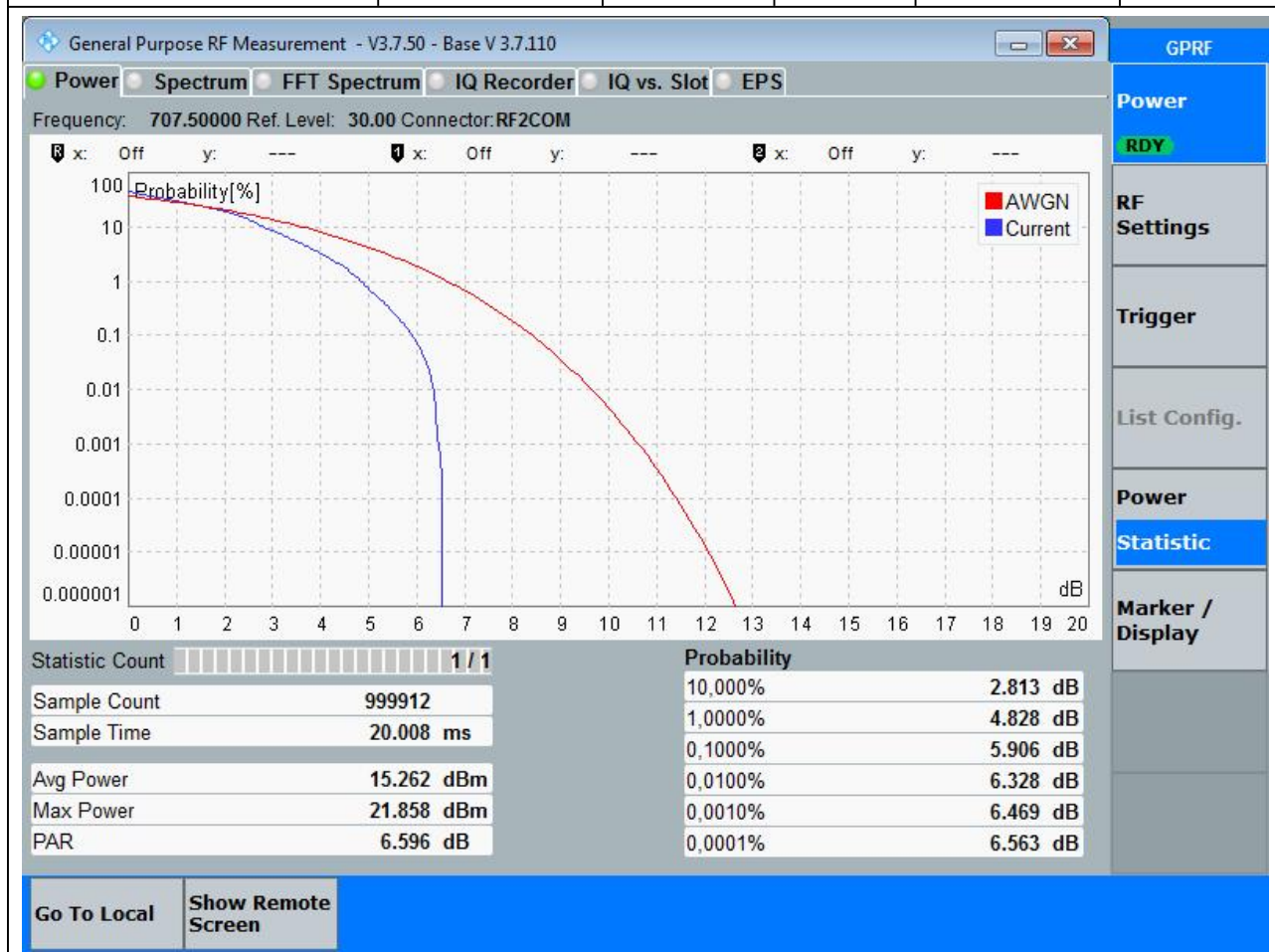
4.7. LTE Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	10	5.16	13	Pass



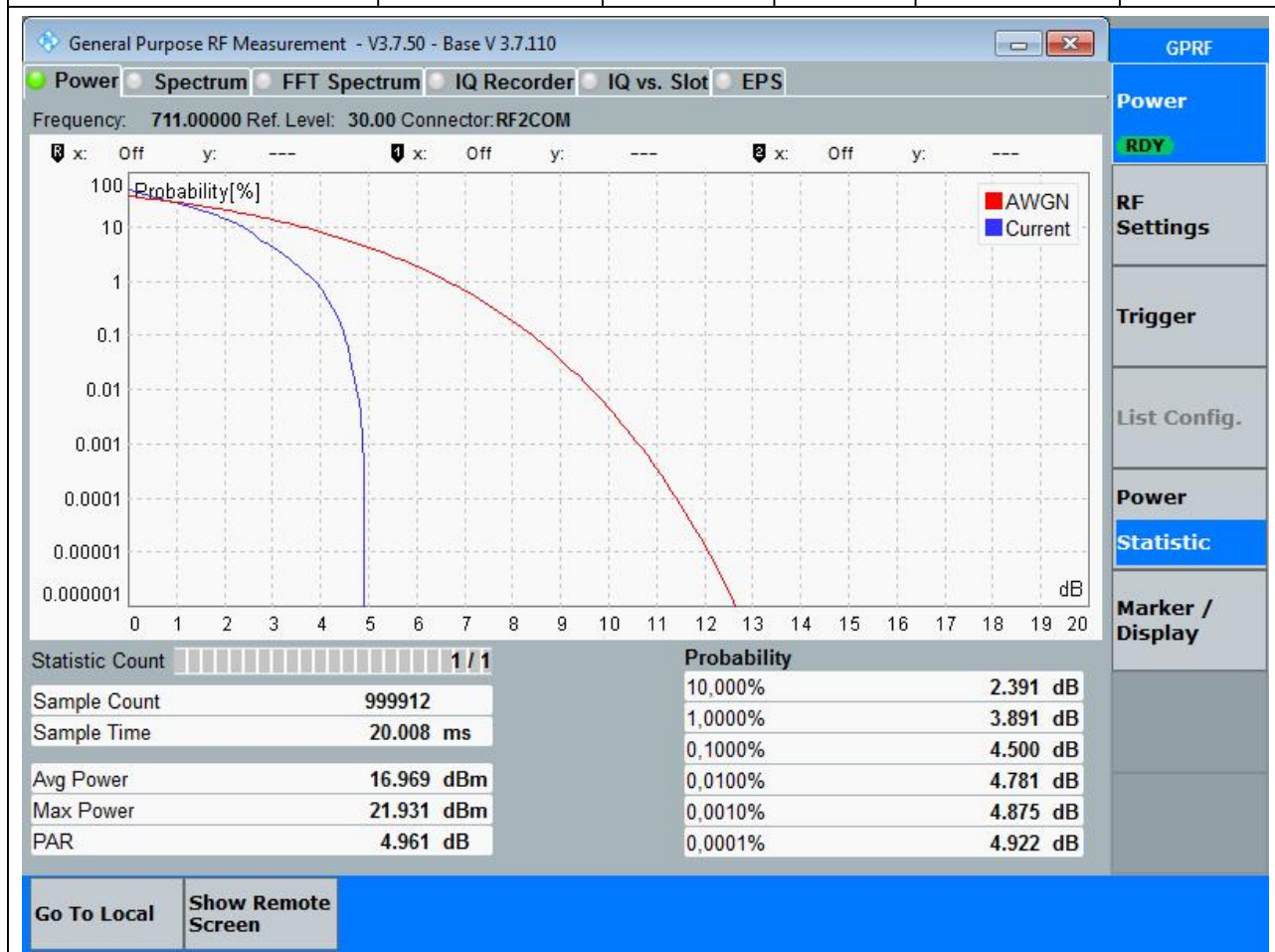
4.8. LTE Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
707.5	0.1	10	5.91	13	Pass



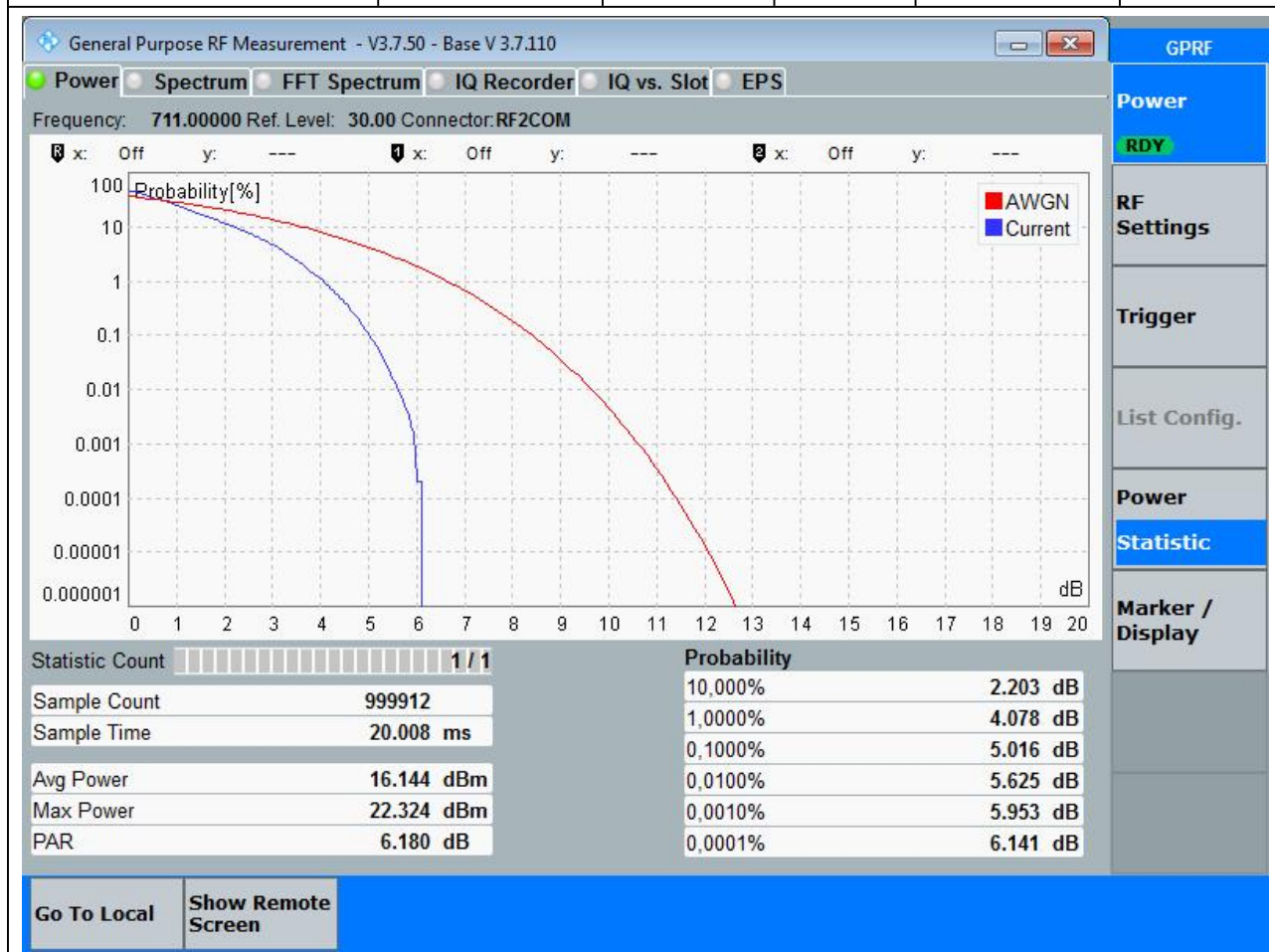
4.9. LTE Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	10	4.5	13	Pass



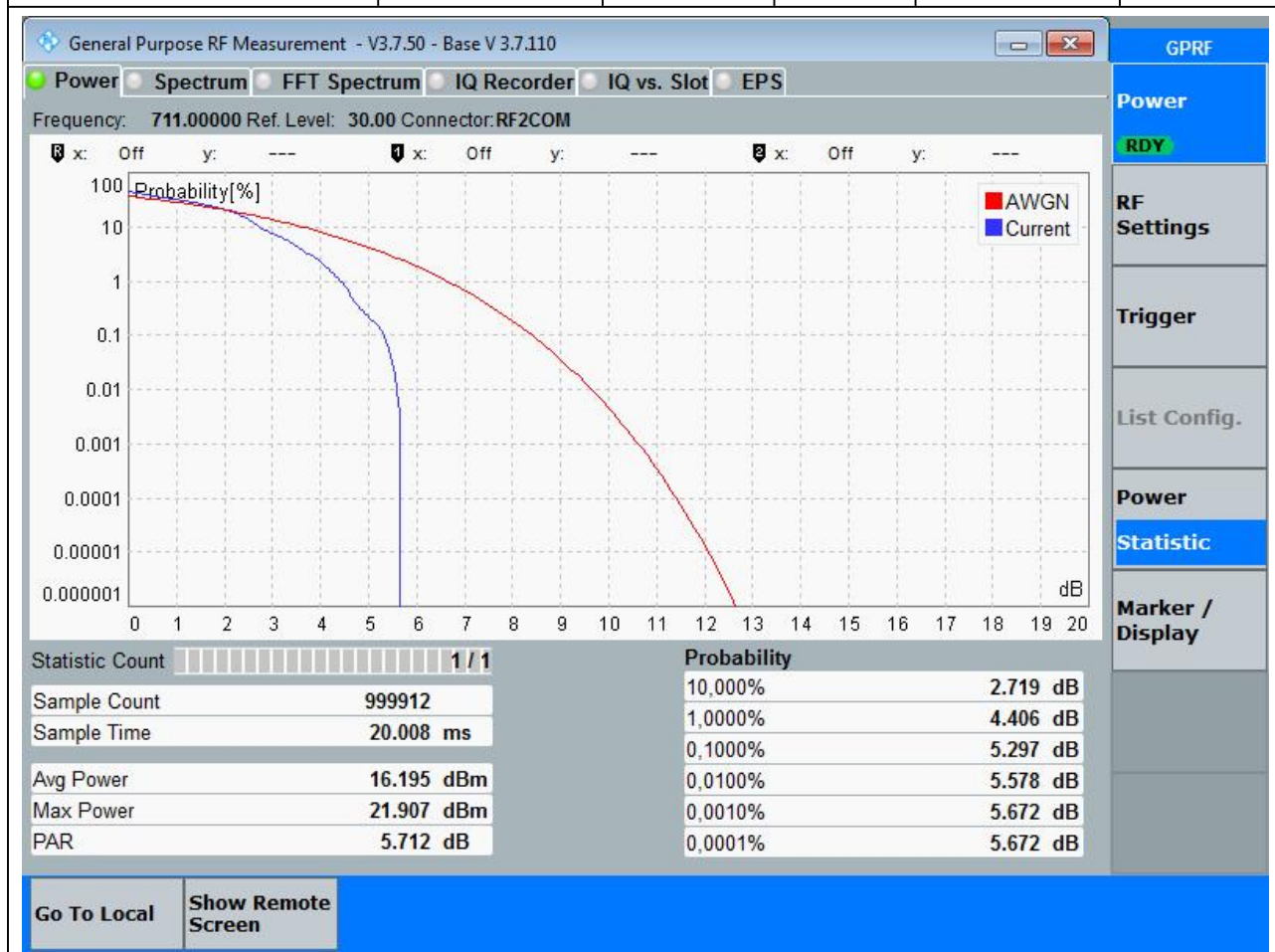
4.10. LTE Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	10	5.02	13	Pass



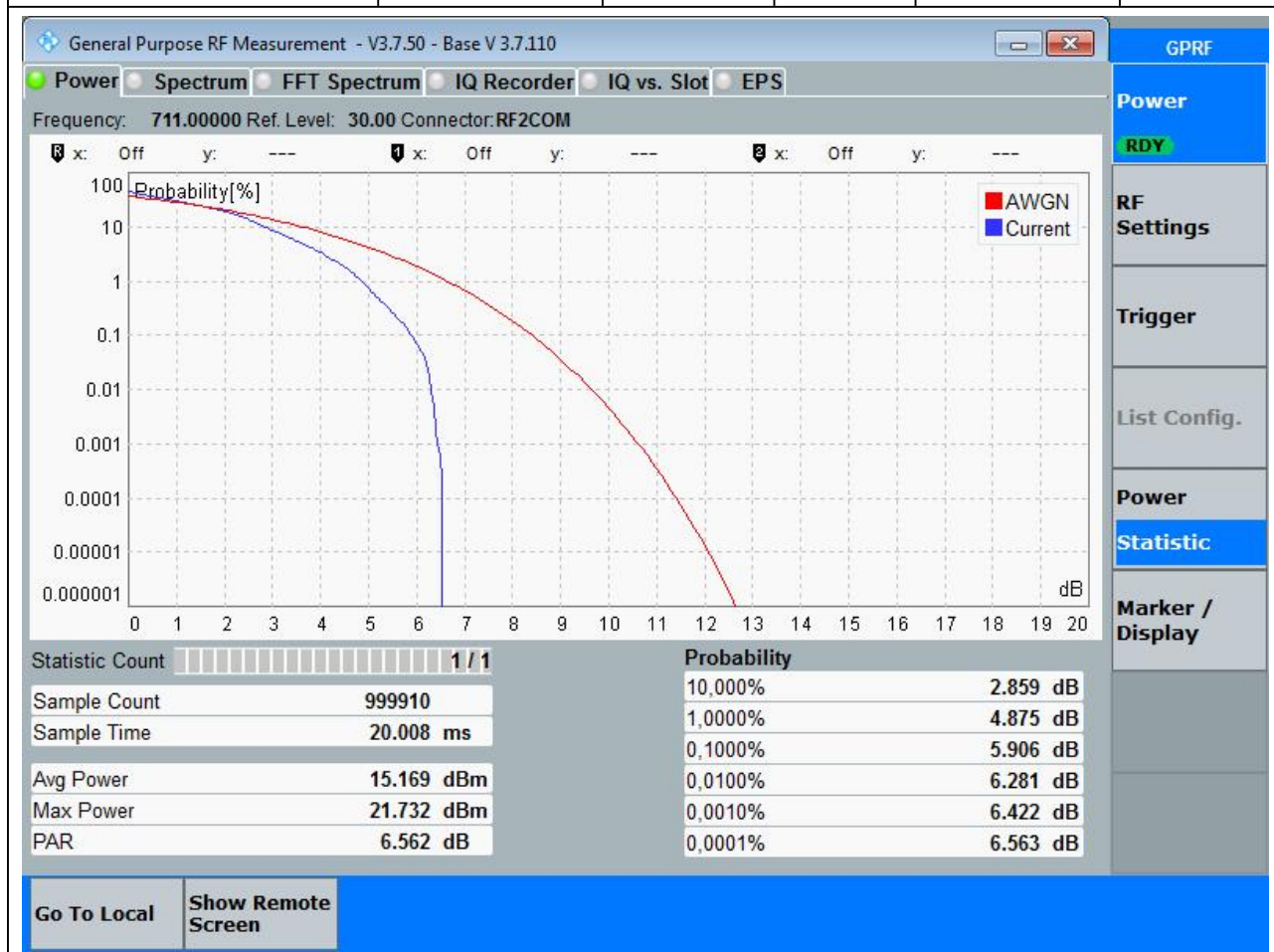
4.11. LTE Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	10	5.3	13	Pass



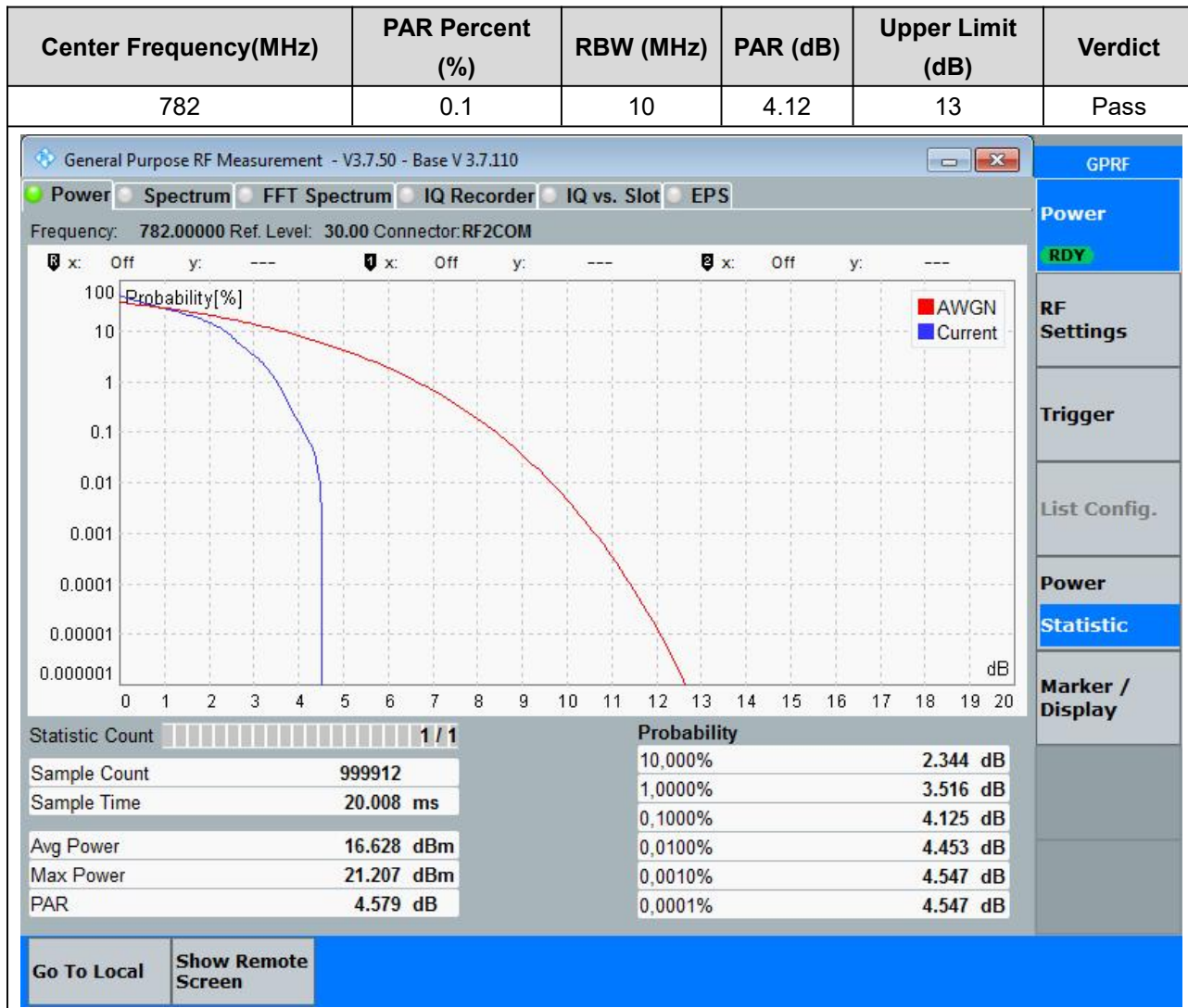
4.12. LTE Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
711	0.1	10	5.91	13	Pass



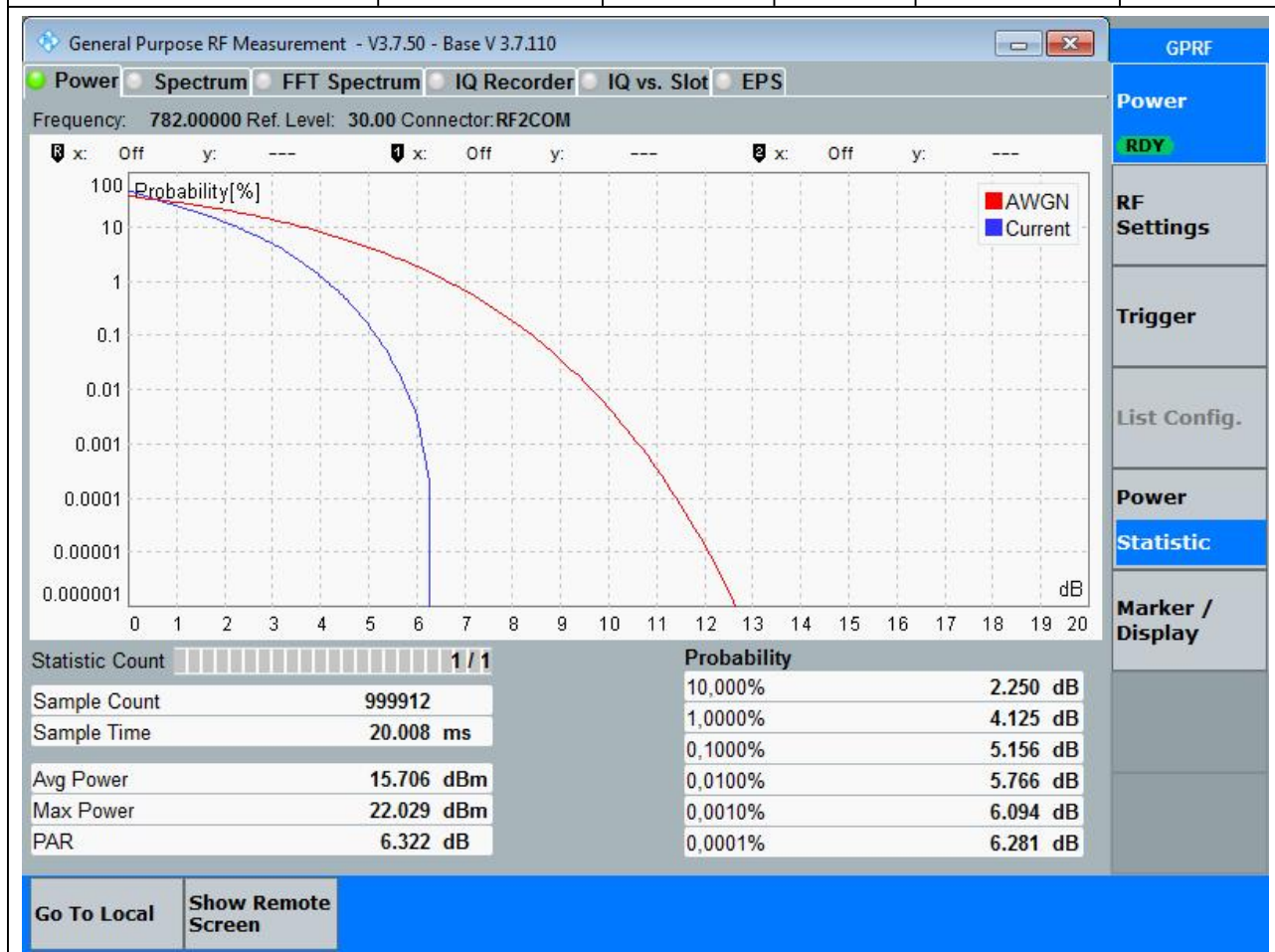
5. LTE_Band13

5.1. LTE Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



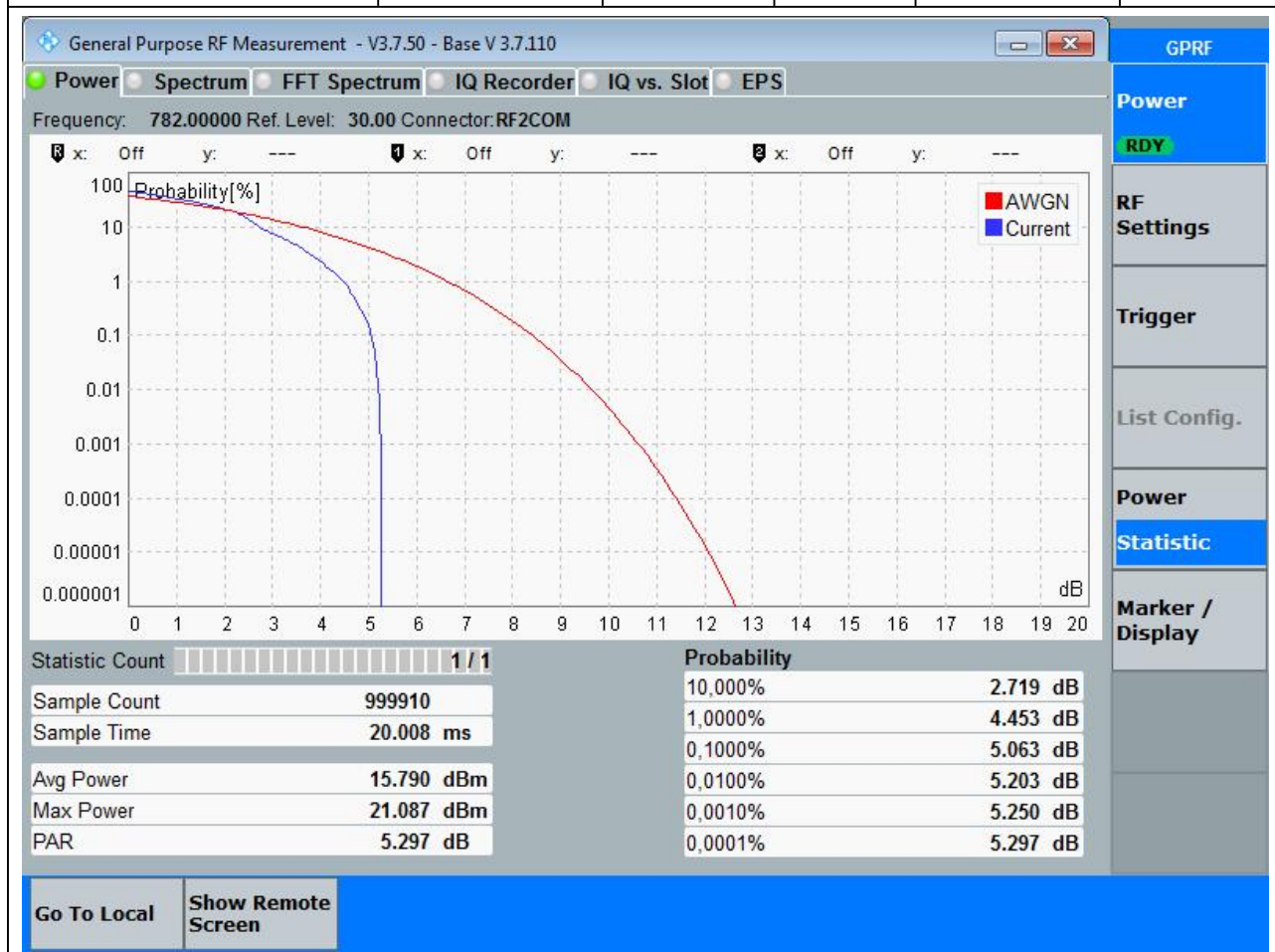
5.2. LTE Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
782	0.1	10	5.16	13	Pass



5.3. LTE Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
782	0.1	10	5.06	13	Pass



5.4. LTE Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:16QAM, RB Number:27, RB Position:0)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
782	0.1	10	5.67	13	Pass

