

Peak to Average Ratio

LTE Mode Test Data

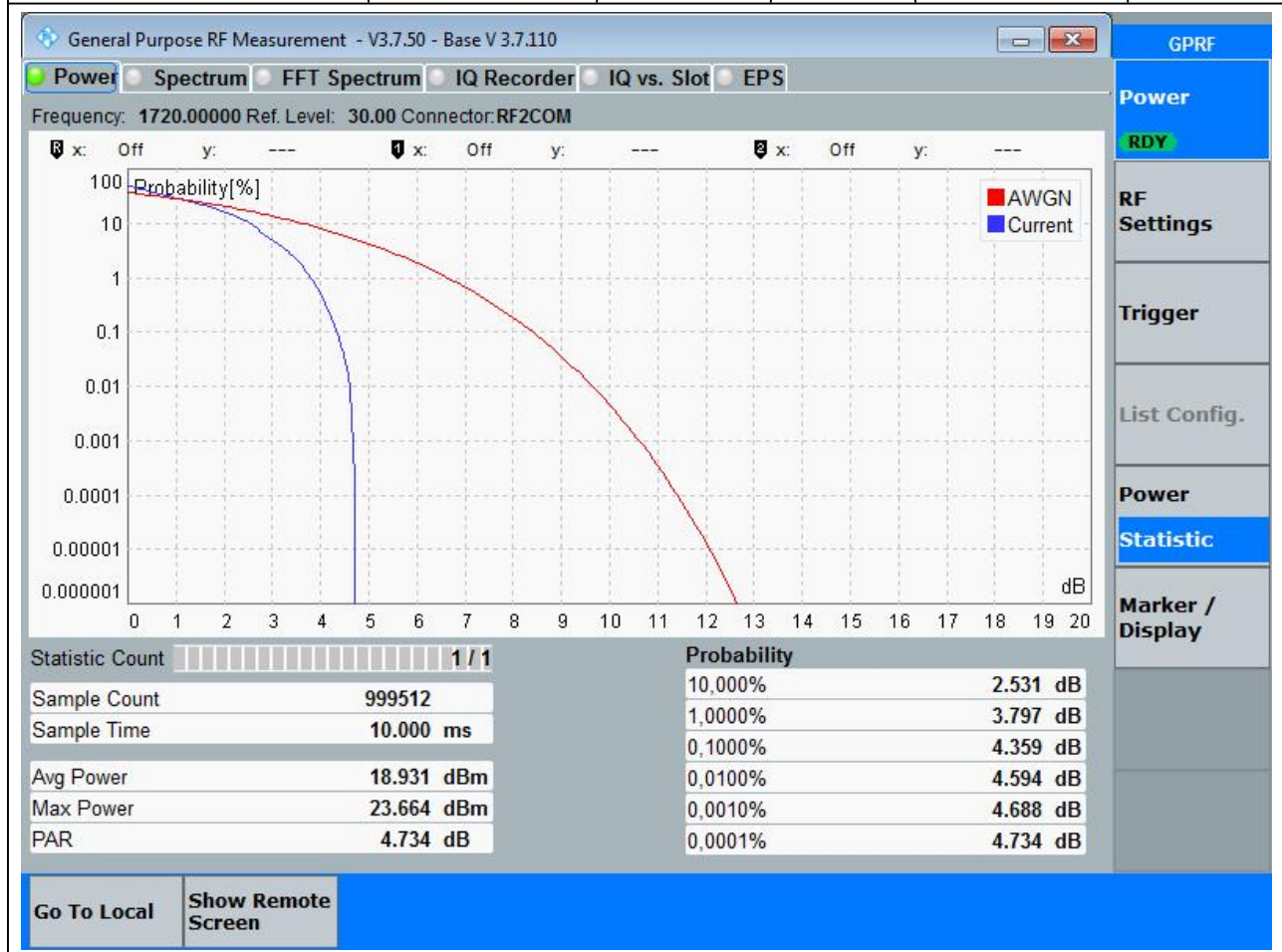
Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Verdict
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	4.36	13	Pass
				RB100#0	5.11	13	Pass
			16-QAM	RB1#0	5.44	13	Pass
				RB100#0	5.95	13	Pass
		MCH	QPSK	RB1#0	4.31	13	Pass
				RB100#0	5.06	13	Pass
			16-QAM	RB1#0	5.02	13	Pass
				RB100#0	5.81	13	Pass
		HCH	QPSK	RB1#0	4.12	13	Pass
				RB100#0	4.97	13	Pass
			16-QAM	RB1#0	4.97	13	Pass
				RB100#0	5.77	13	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	5.06	13	Pass
				RB50#0	5.48	13	Pass
			16-QAM	RB1#0	6	13	Pass
				RB50#0	6.33	13	Pass
		MCH	QPSK	RB1#0	4.78	13	Pass
				RB50#0	5.34	13	Pass
			16-QAM	RB1#0	5.48	13	Pass
				RB50#0	6.19	13	Pass
		HCH	QPSK	RB1#0	4.64	13	Pass
				RB50#0	5.44	13	Pass
			16-QAM	RB1#0	5.11	13	Pass
				RB50#0	6.33	13	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	3.05	13	Pass
				RB50#0	4.69	13	Pass
			16-QAM	RB1#0	3.94	13	Pass
				RB50#0	5.53	13	Pass
		MCH	QPSK	RB1#0	3.33	13	Pass
				RB50#0	4.5	13	Pass
			16-QAM	RB1#0	4.36	13	Pass
				RB50#0	5.44	13	Pass
		HCH	QPSK	RB1#0	3.28	13	Pass
				RB50#0	4.64	13	Pass
			16-QAM	RB1#0	4.08	13	Pass
				RB1#0	4.08	13	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Verdict
				RB50#0	5.44	13	Pass
LTE Band 13	10 MHz	MCH	QPSK	RB1#0	4.17	13	Pass
				RB50#0	4.97	13	Pass
			16-QAM	RB1#0	4.97	13	Pass
				RB50#0	5.86	13	Pass
LTE Band 17	10 MHz	LCH	QPSK	RB1#0	3.42	13	Pass
				RB50#0	4.83	13	Pass
			16-QAM	RB1#0	4.31	13	Pass
				RB50#0	5.72	13	Pass
		MCH	QPSK	RB1#0	3.7	13	Pass
				RB50#0	4.97	13	Pass
			16-QAM	RB1#0	4.5	13	Pass
				RB50#0	5.72	13	Pass
		HCH	QPSK	RB1#0	3.75	13	Pass
				RB50#0	4.87	13	Pass
			16-QAM	RB1#0	4.5	13	Pass
				RB50#0	5.67	13	Pass
LTE Band 26(Part 22)	15 MHz	LCH	QPSK	RB1#0	3.47	13	Pass
				RB75#0	4.87	13	Pass
			16-QAM	RB1#0	4.36	13	Pass
				RB75#0	5.67	13	Pass
		MCH	QPSK	RB1#0	3.37	13	Pass
				RB75#0	4.78	13	Pass
			16-QAM	RB1#0	4.22	13	Pass
				RB75#0	5.62	13	Pass
		HCH	QPSK	RB1#0	3.19	13	Pass
				RB75#0	4.87	13	Pass
			16-QAM	RB1#0	4.12	13	Pass
				RB75#0	5.72	13	Pass
LTE Band 26(Part 90)	10 MHz	LCH	QPSK	RB1#0	3.23	13	Pass
				RB50#0	4.92	13	Pass
			16-QAM	RB1#0	4.08	13	Pass
				RB50#0	5.77	13	Pass

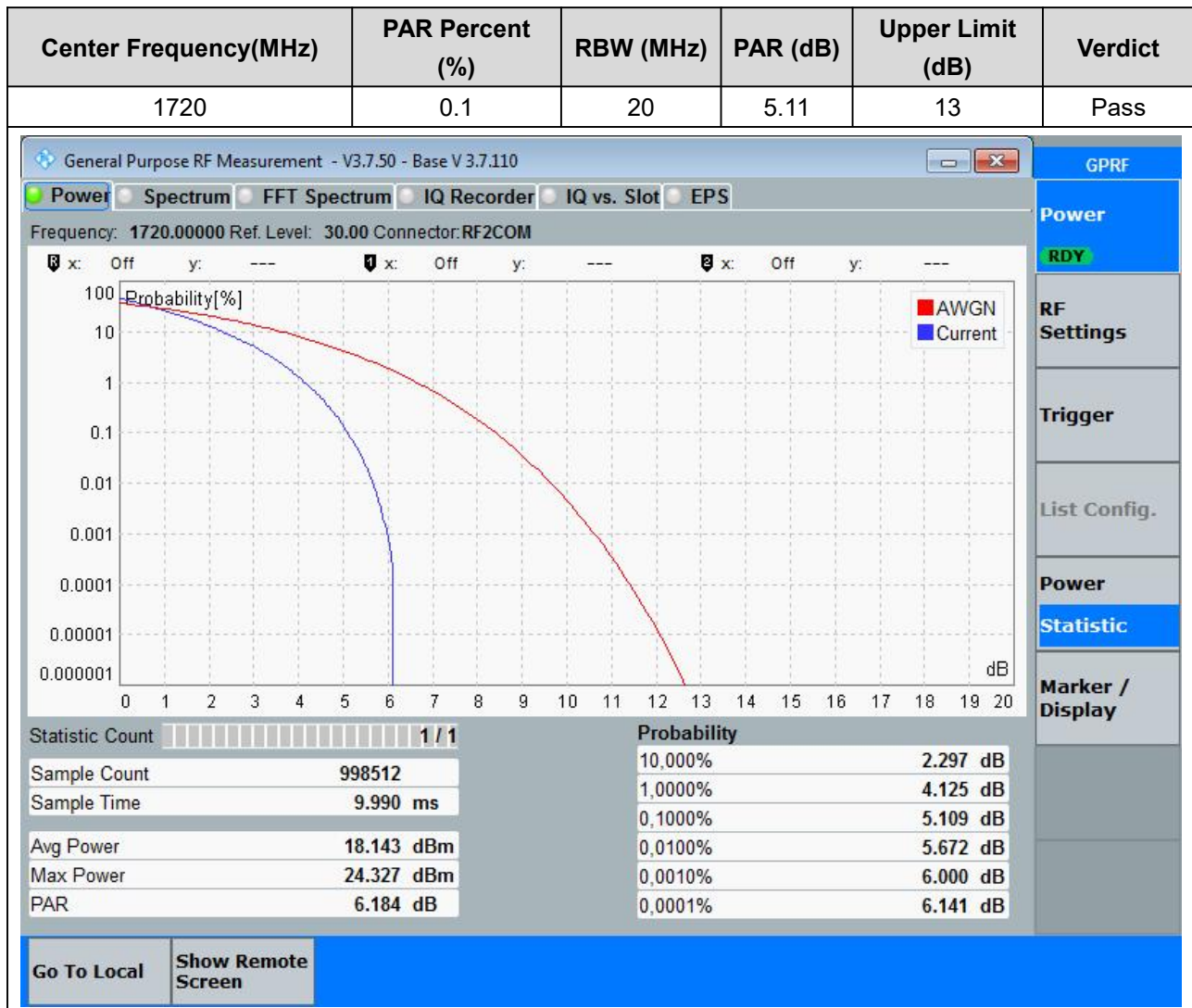
1. LTE_Band4

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

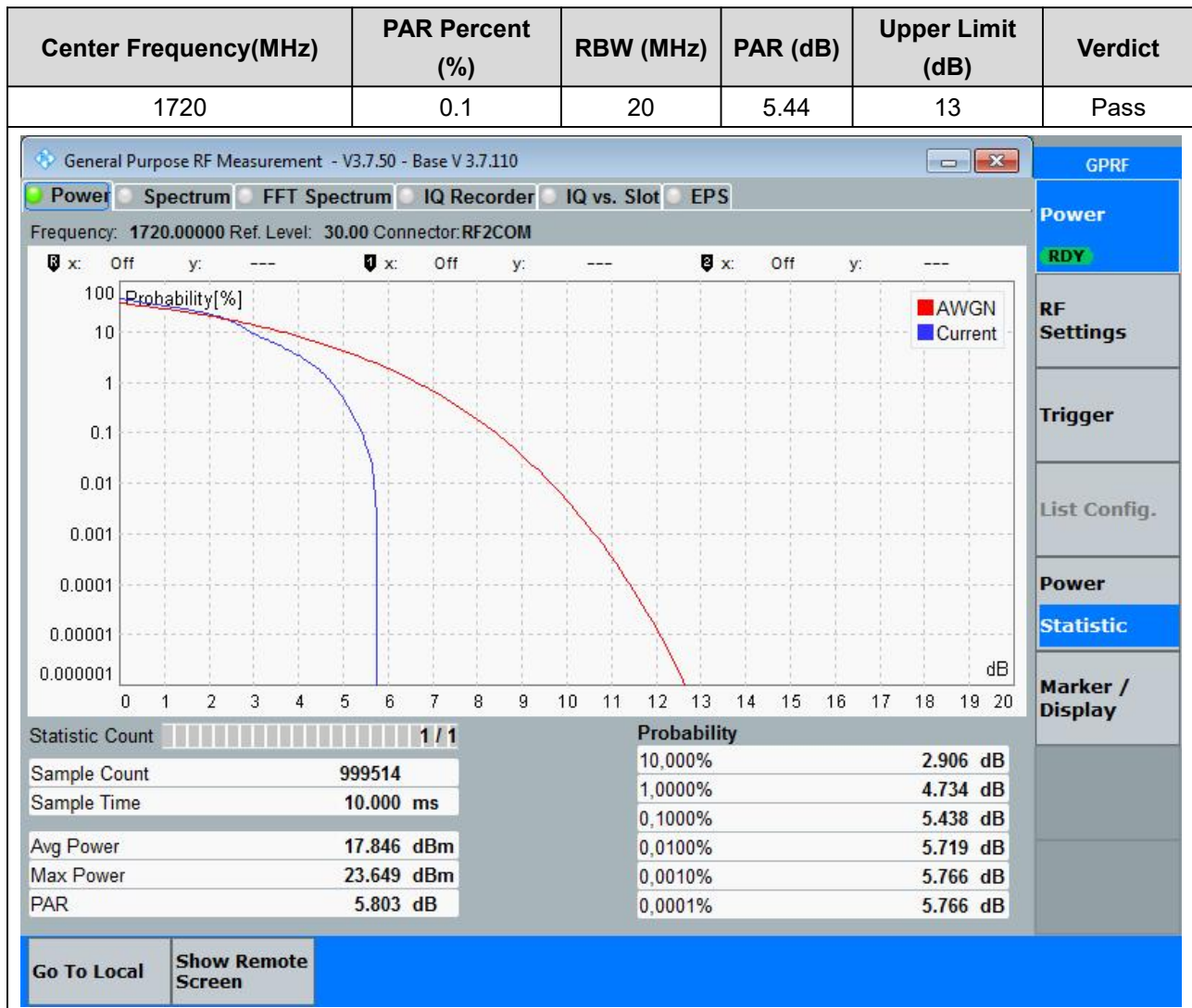
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
1720	0.1	20	4.36	13	Pass



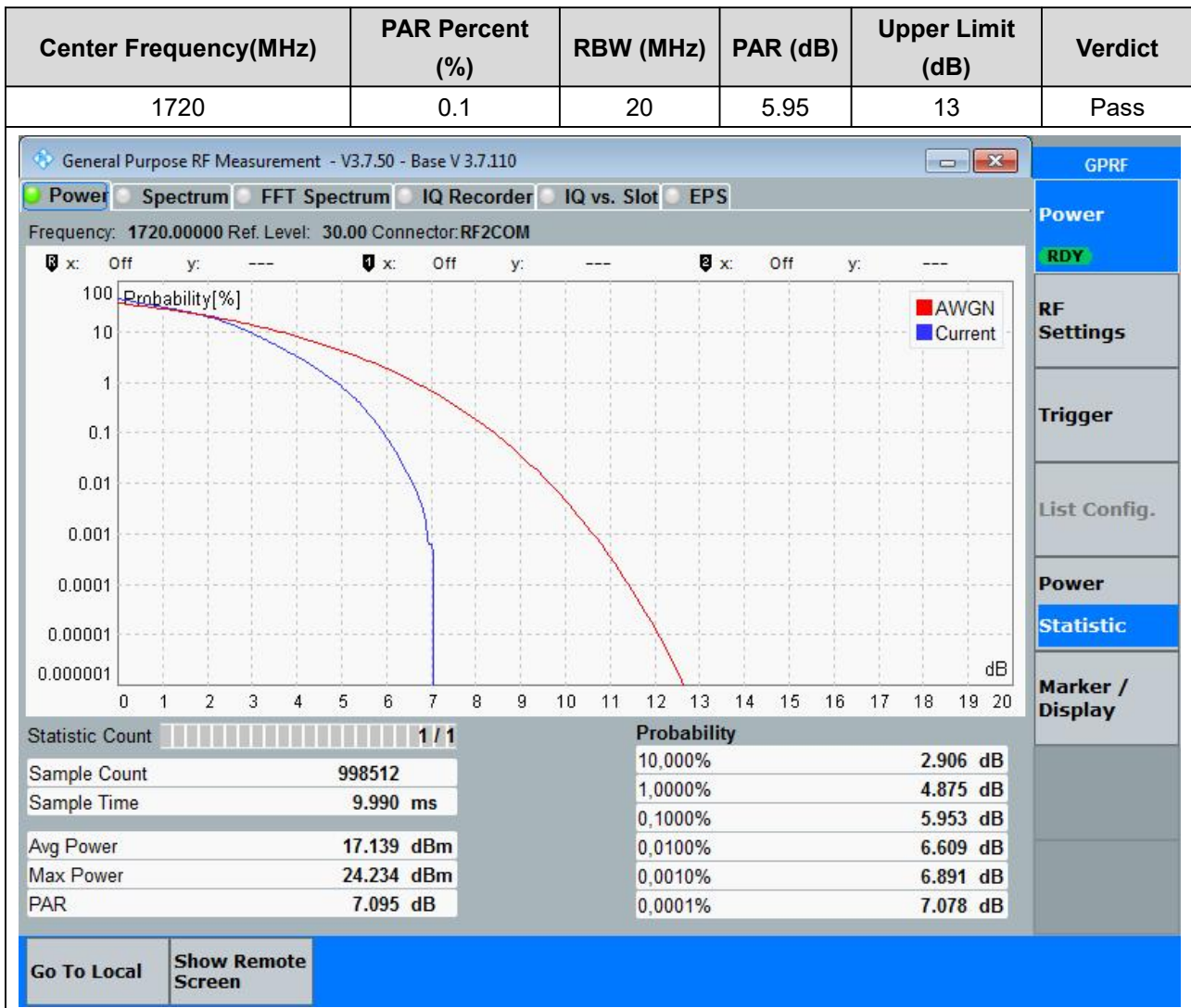
1.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



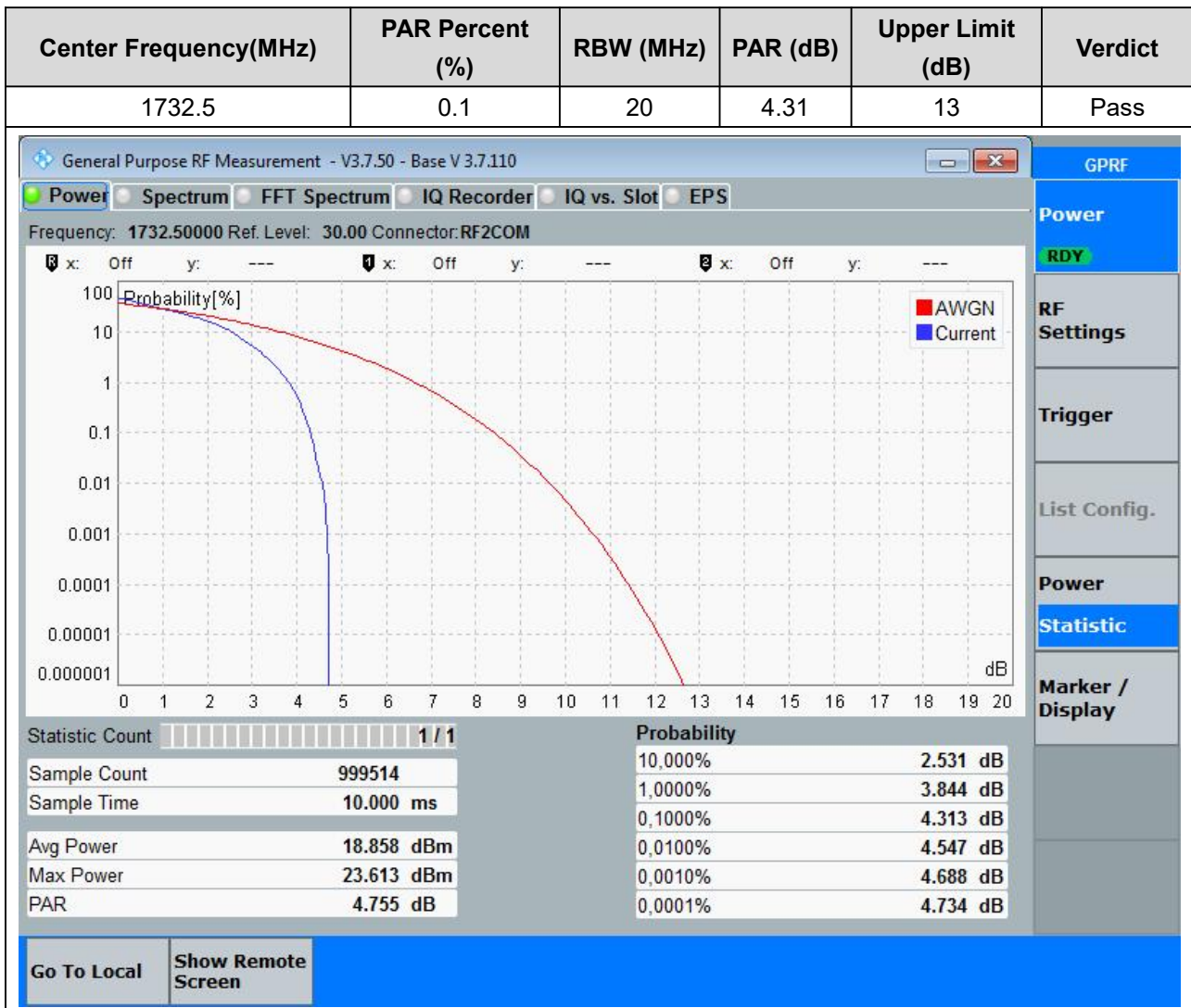
1.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20050, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)



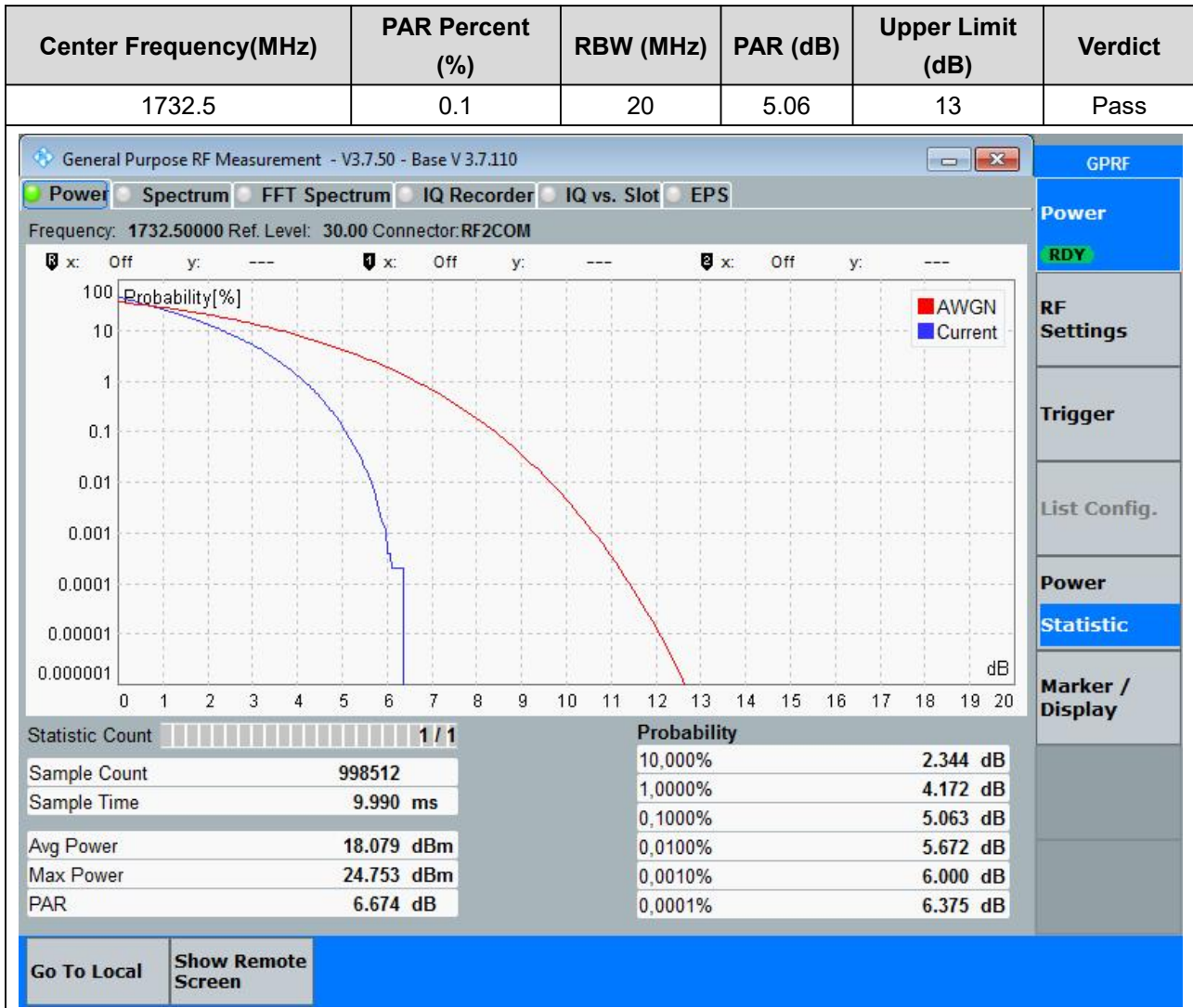
1.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20050, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



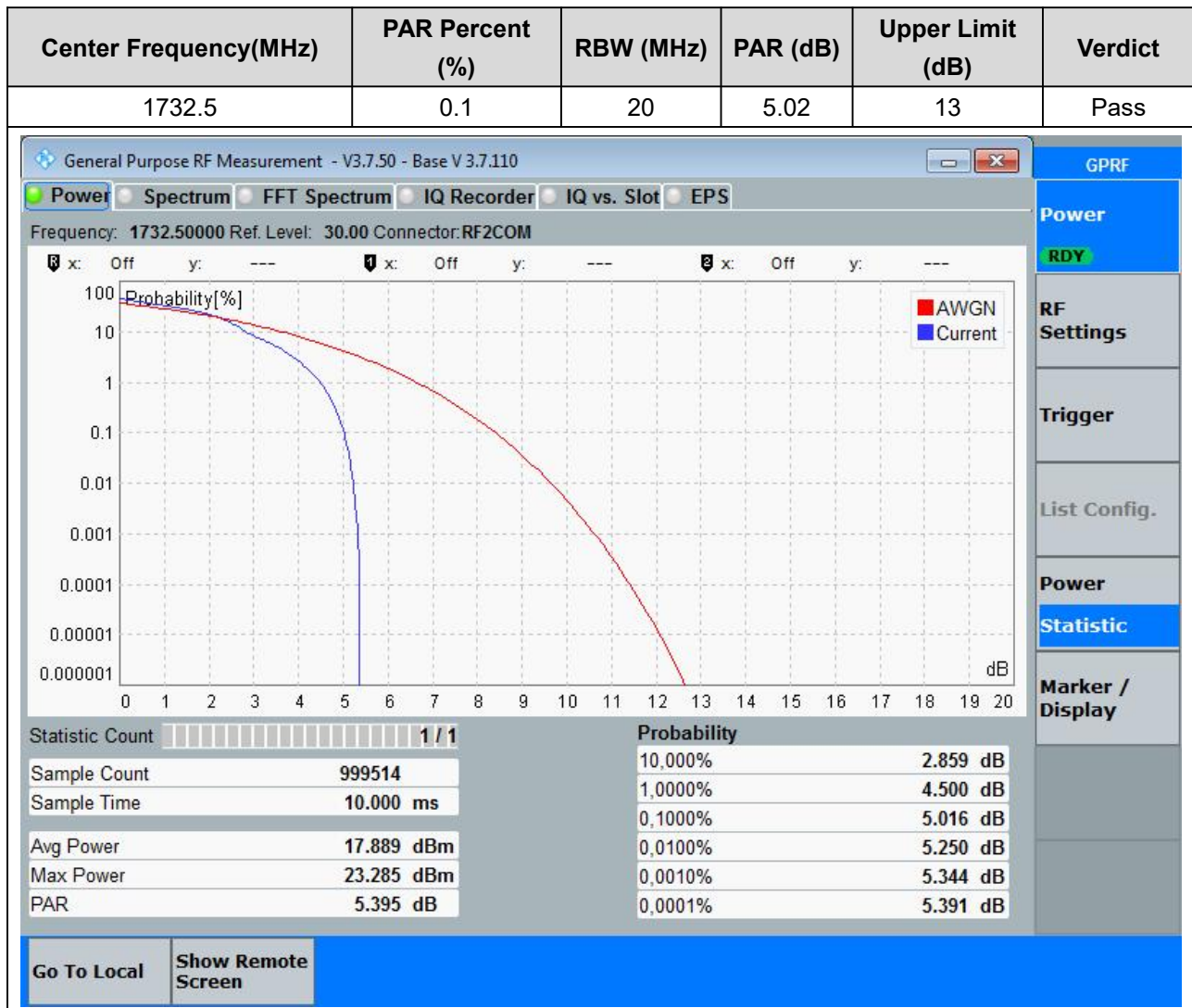
1.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)



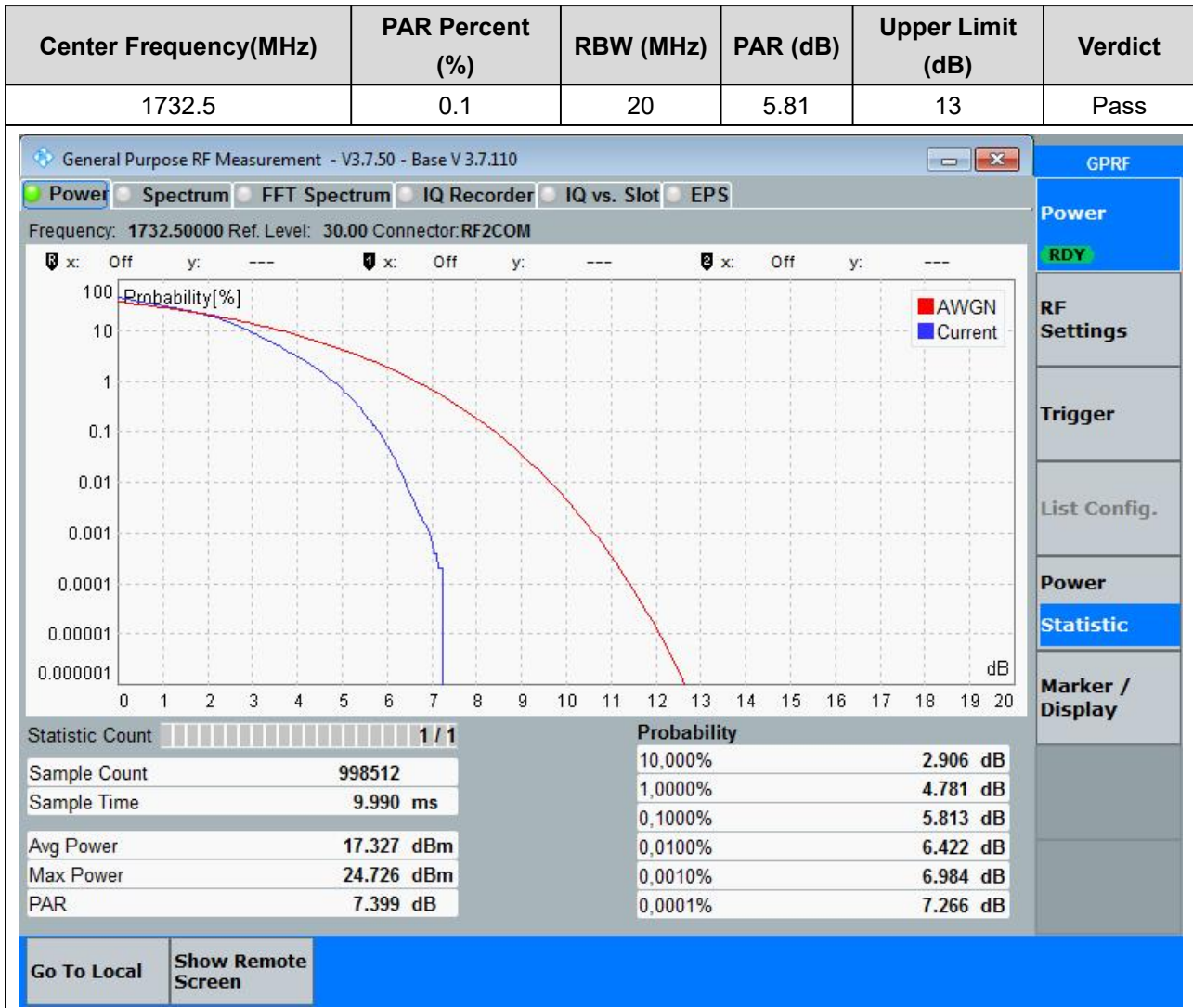
1.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



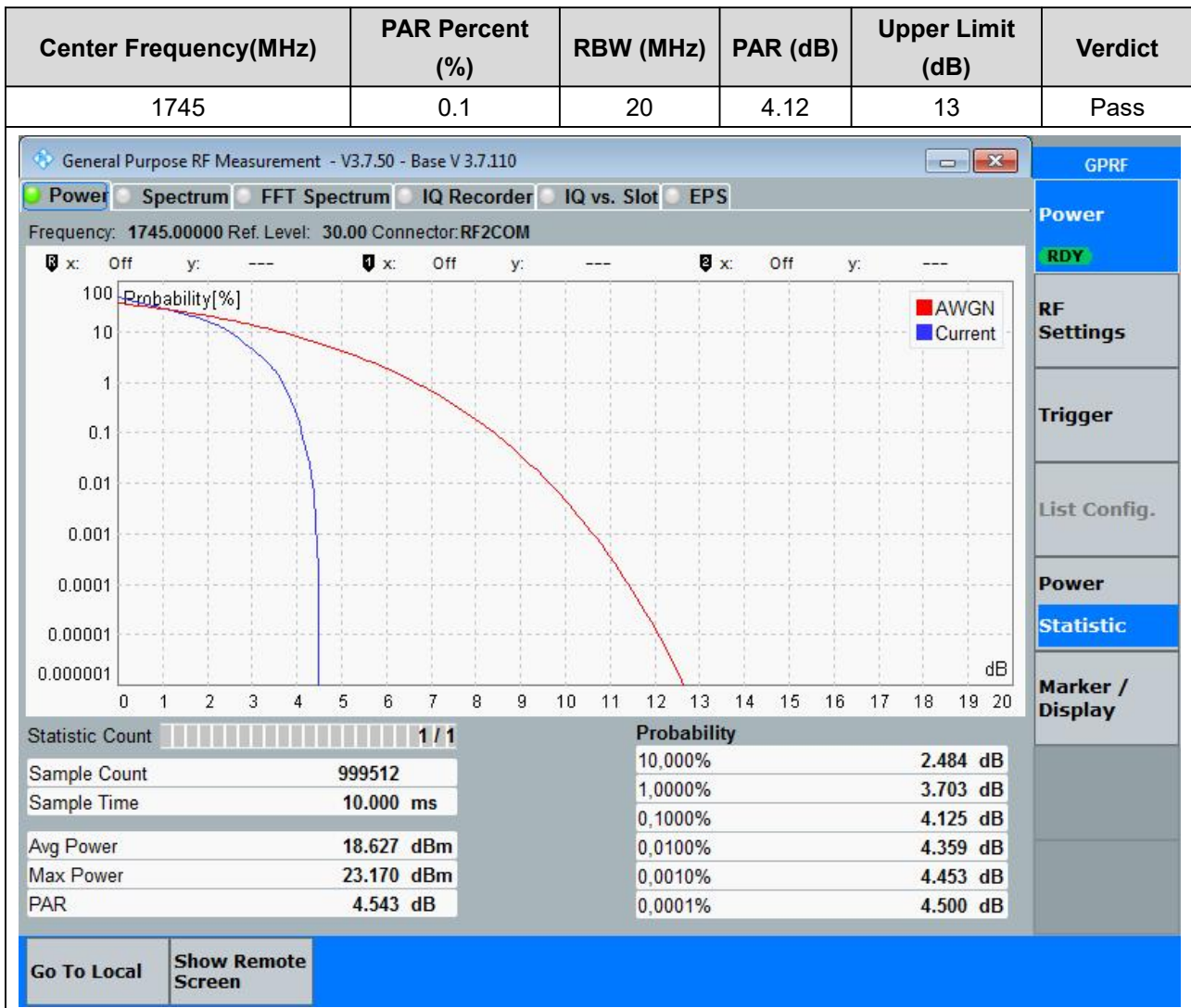
1.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number:1, RB Position:0)



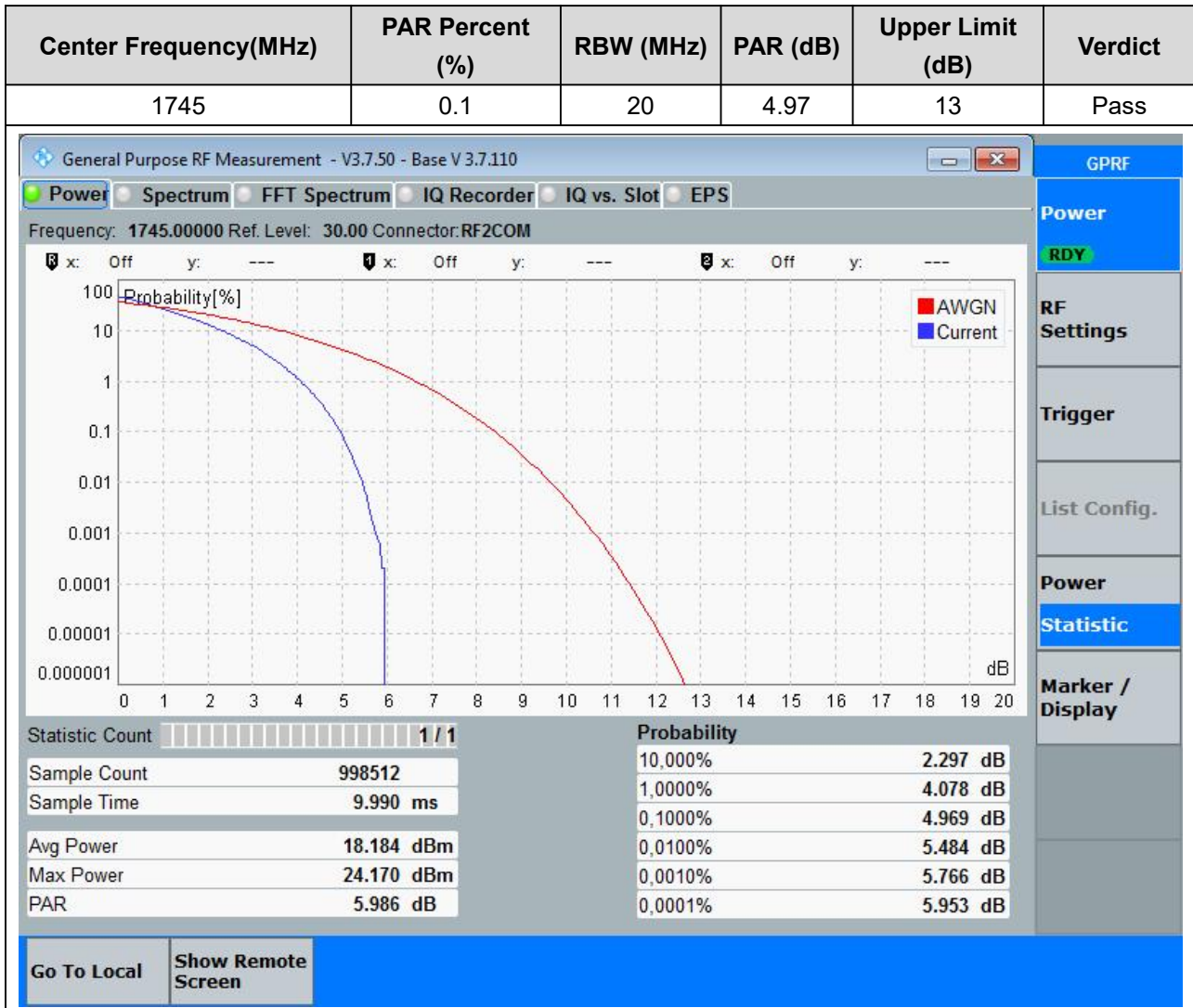
1.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20175, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



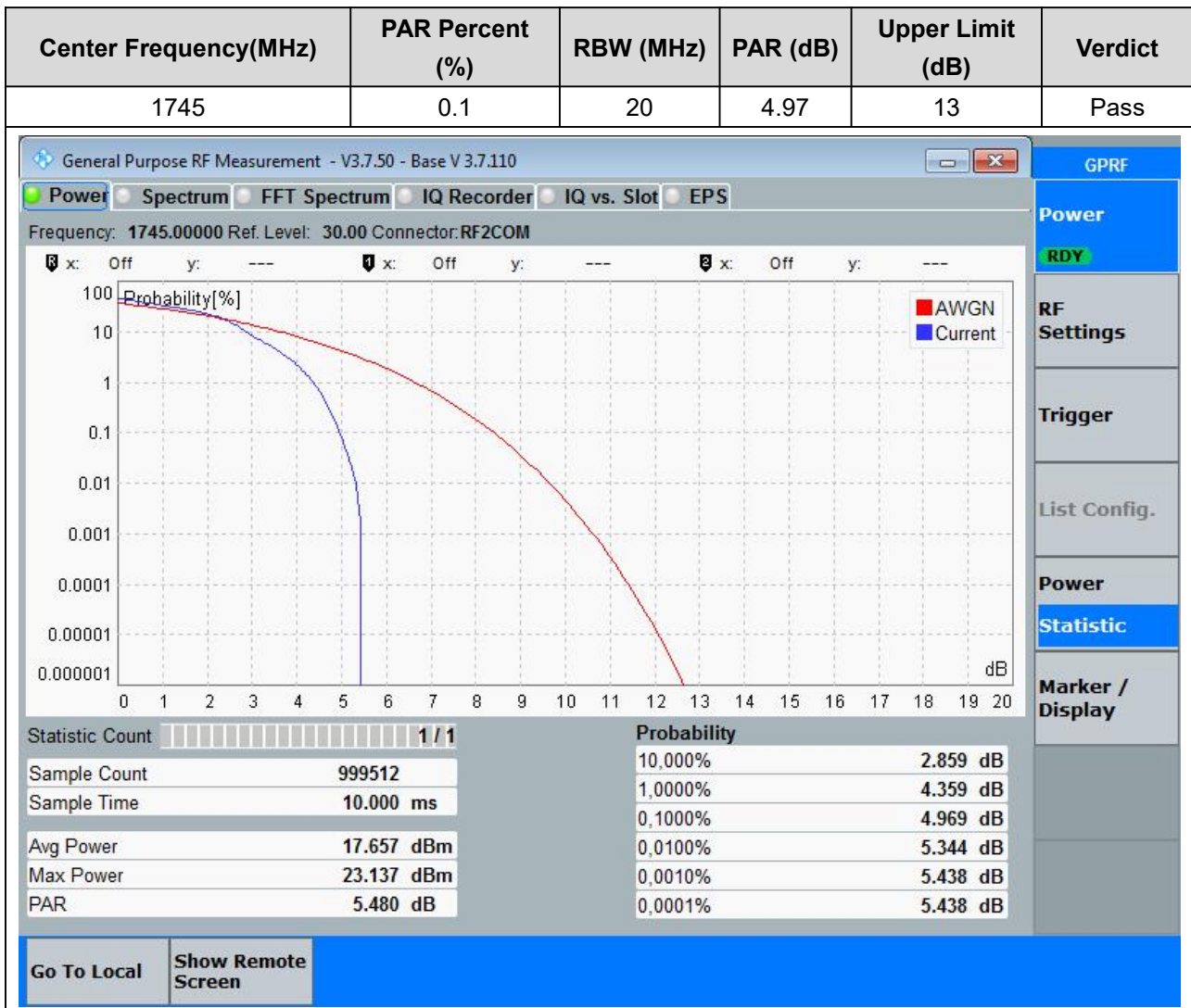
1.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number:1, RB Position:0)



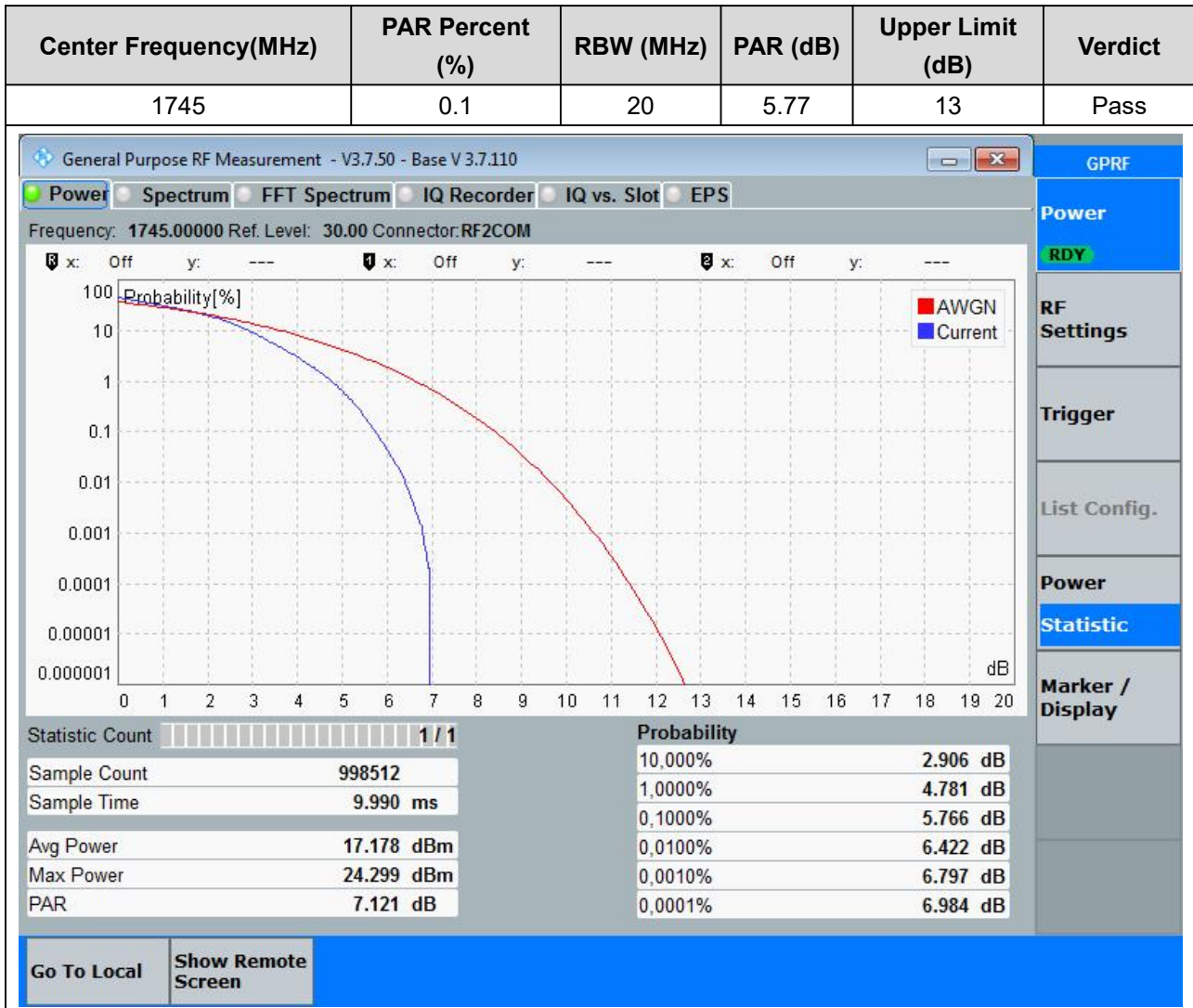
1.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



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



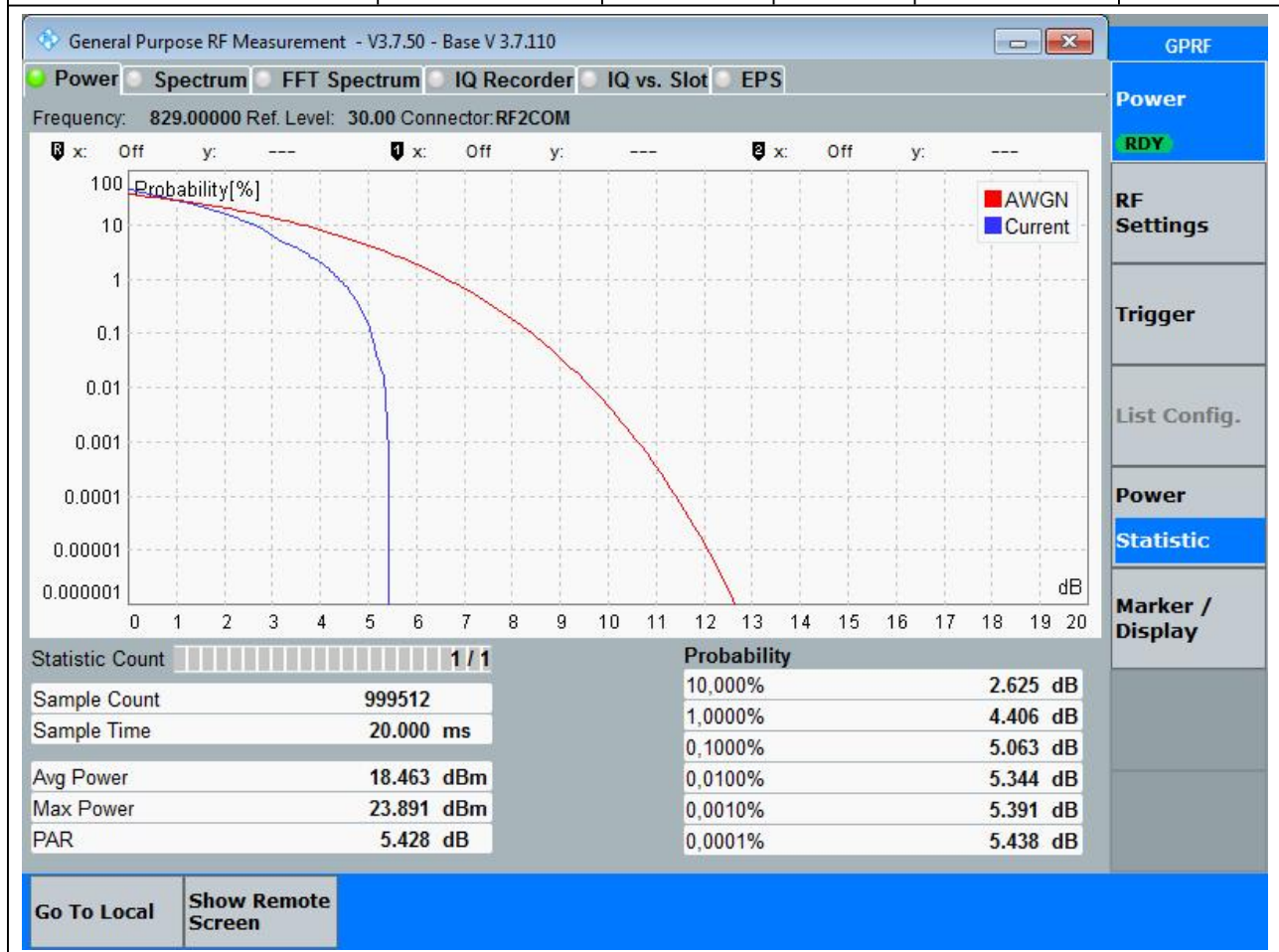
1.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20300, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)



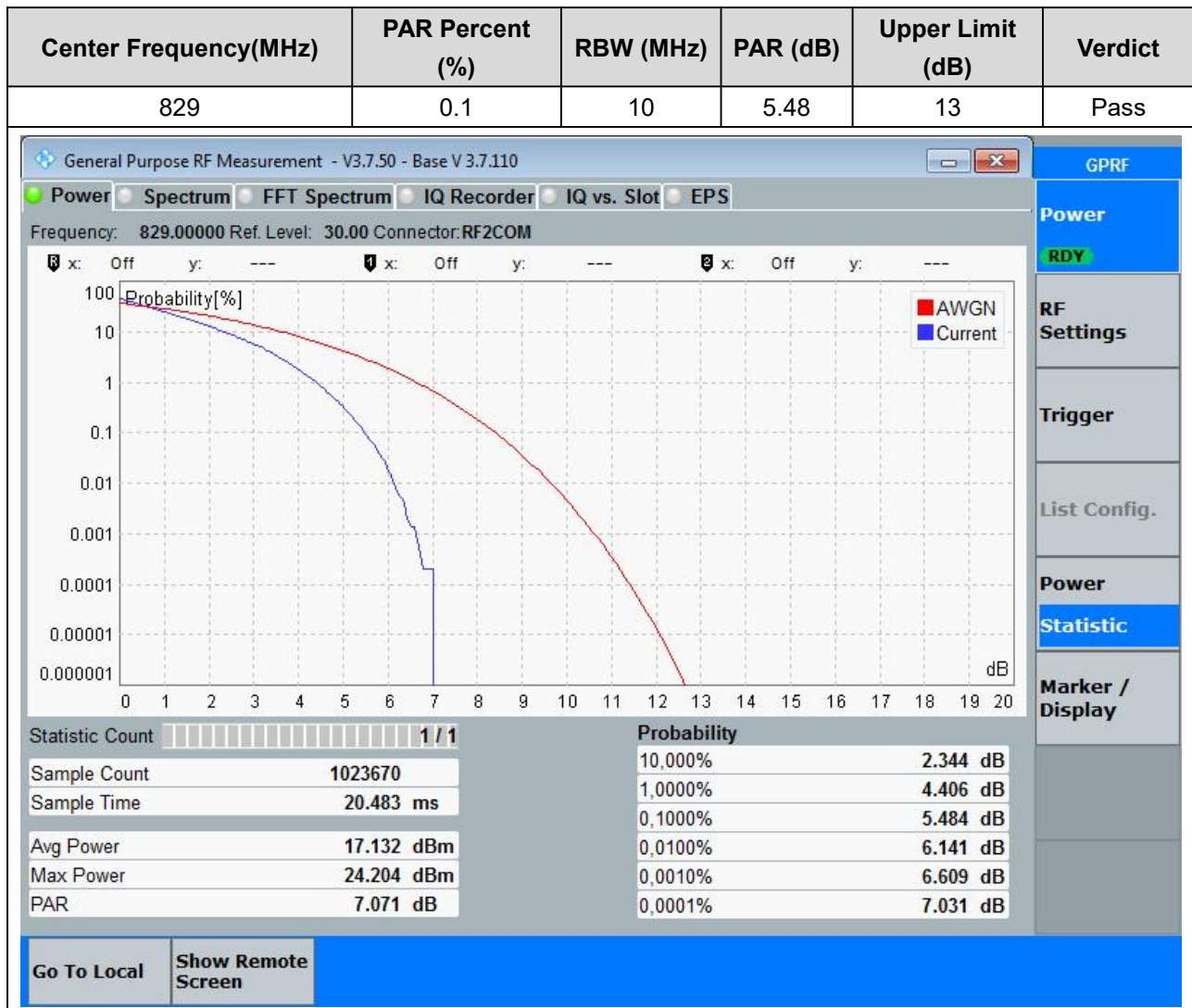
2. LTE_Band5

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

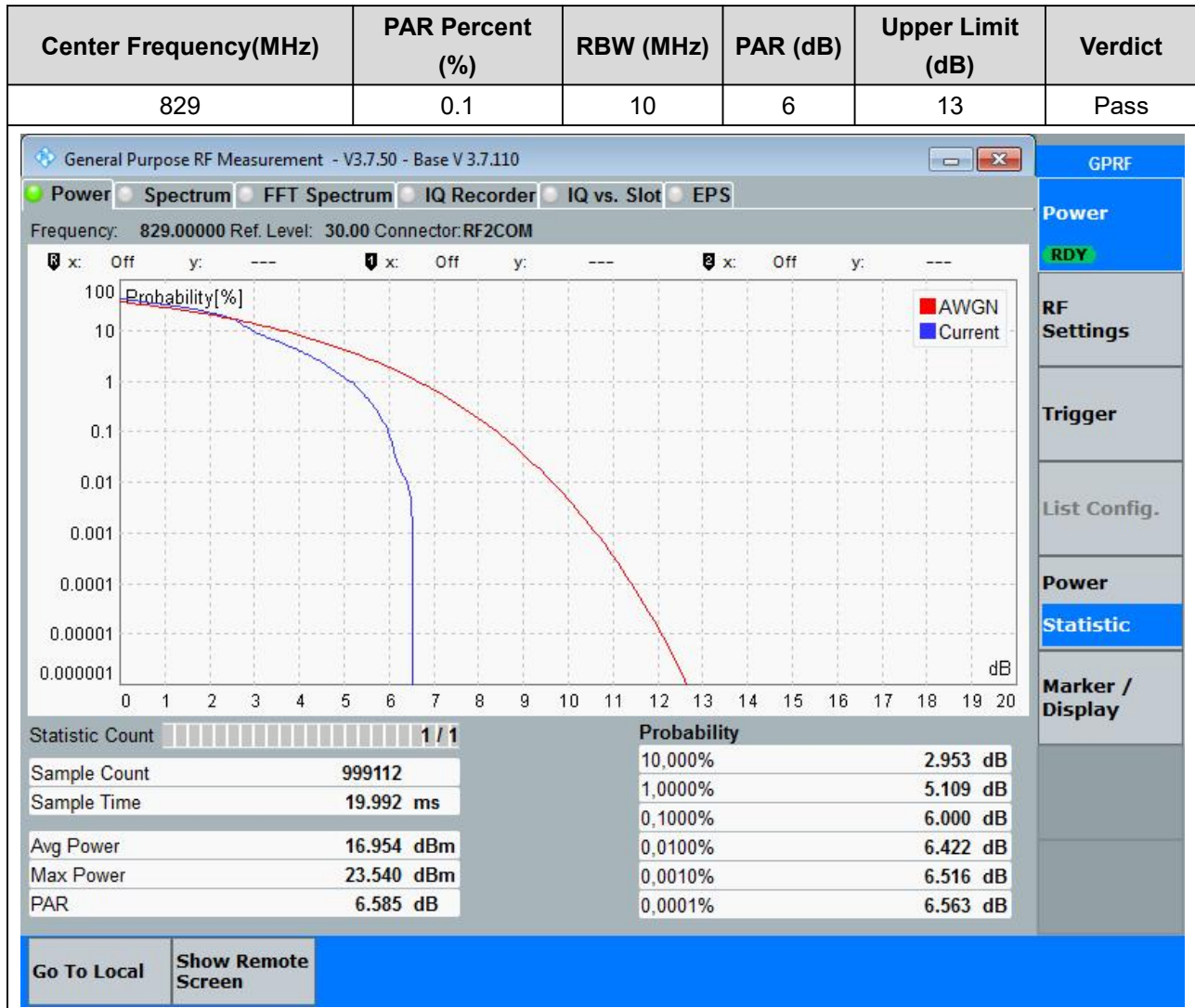
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
829	0.1	10	5.06	13	Pass



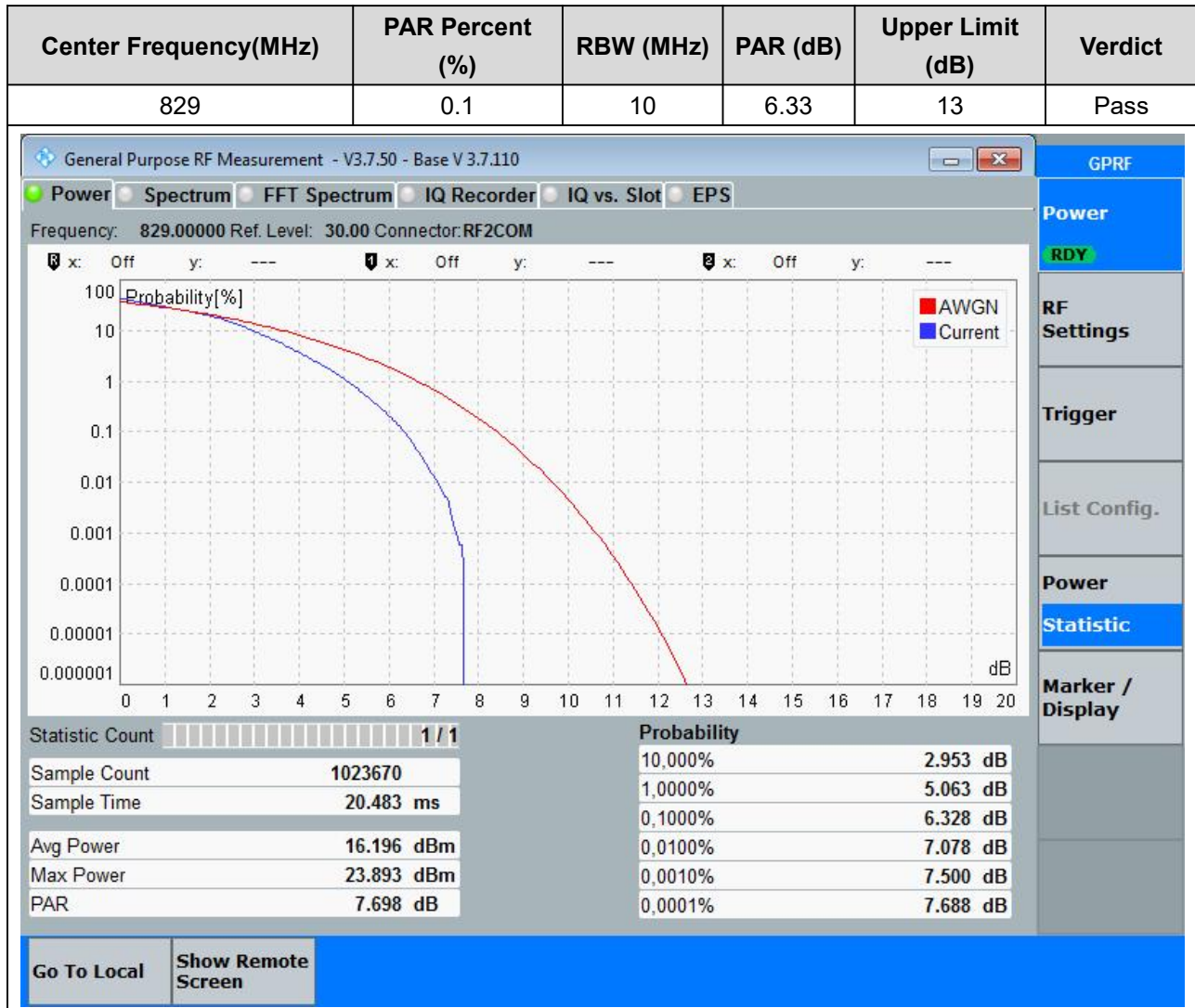
2.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20450, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



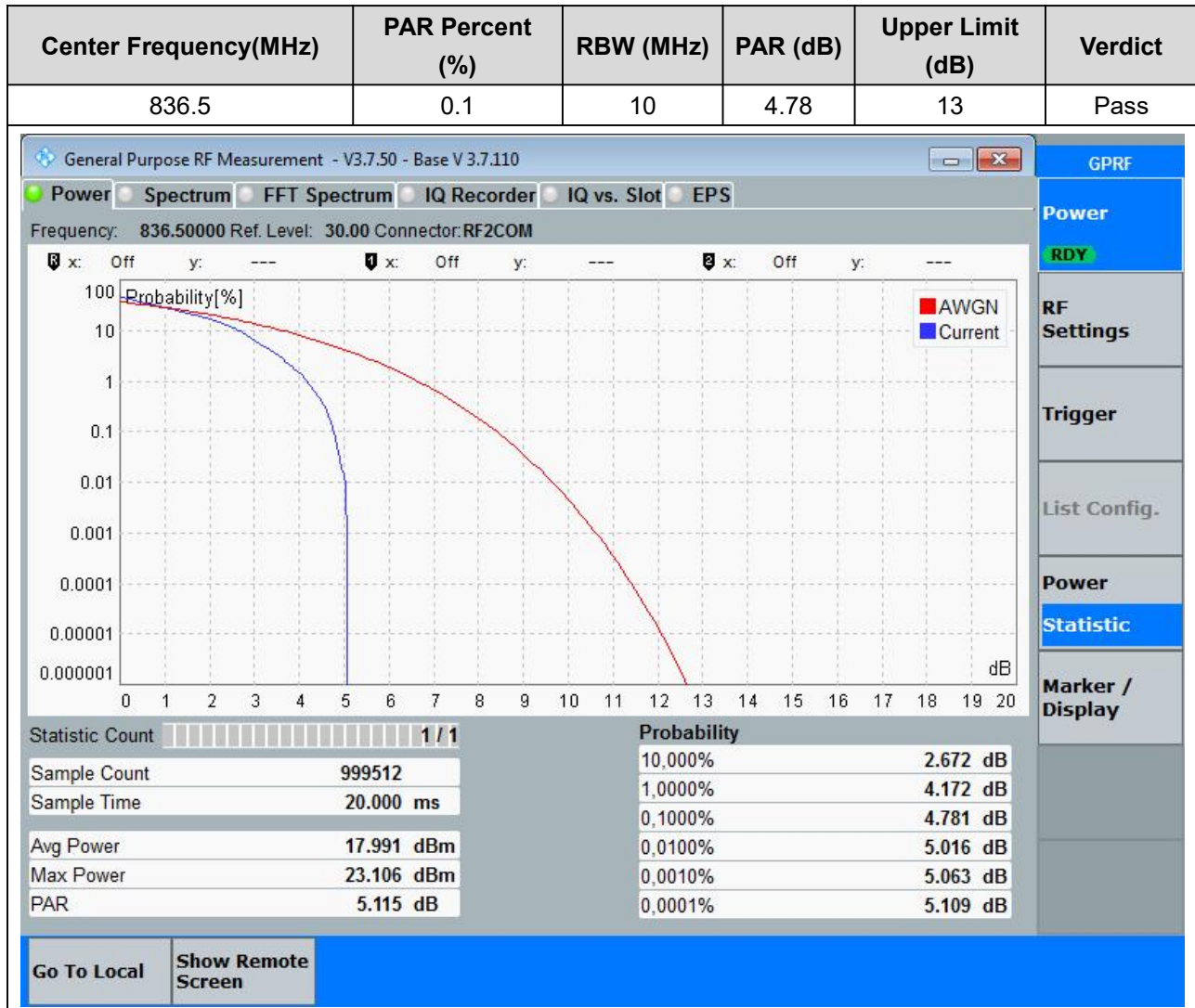
2.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20450, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)



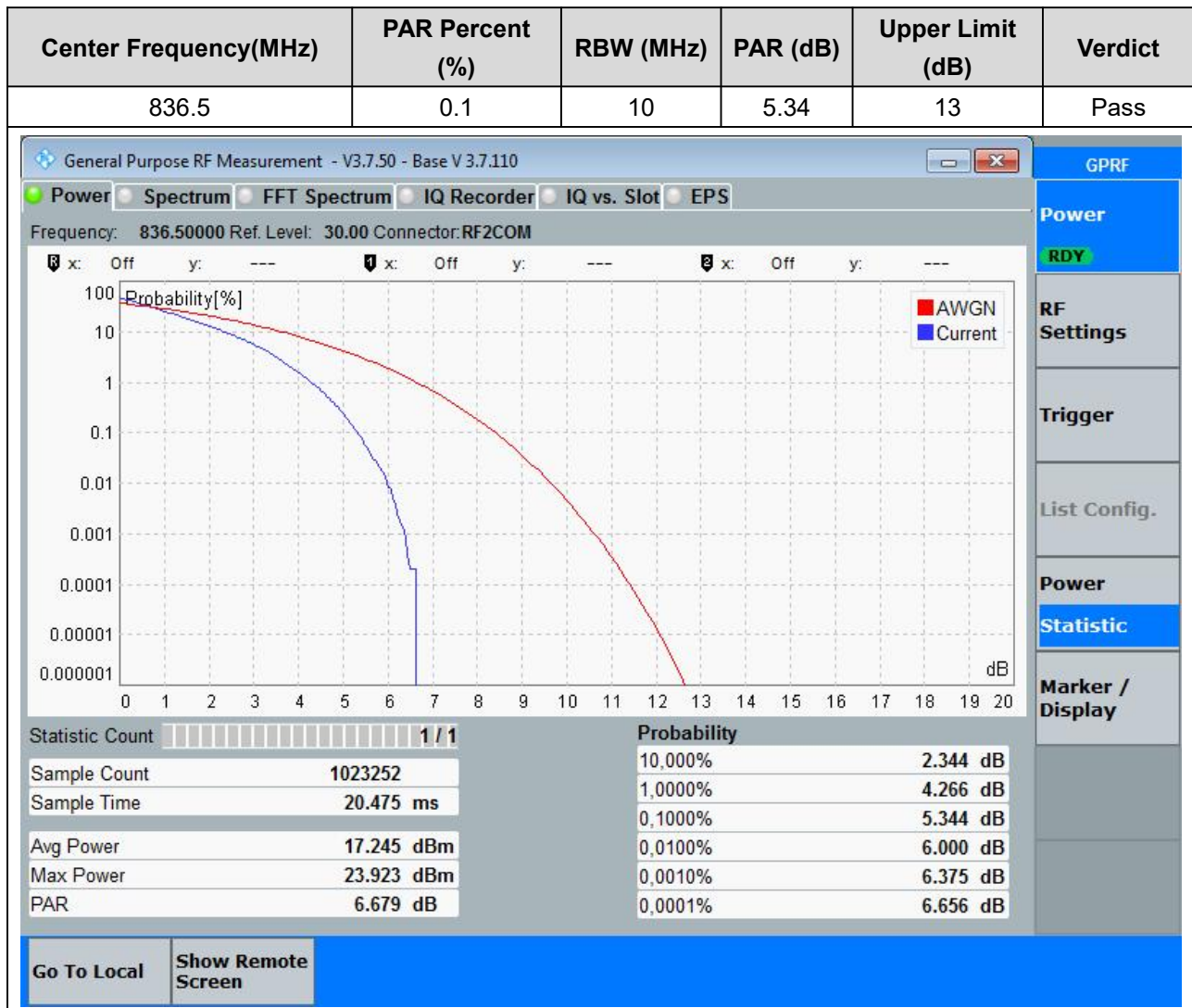
2.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20450, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



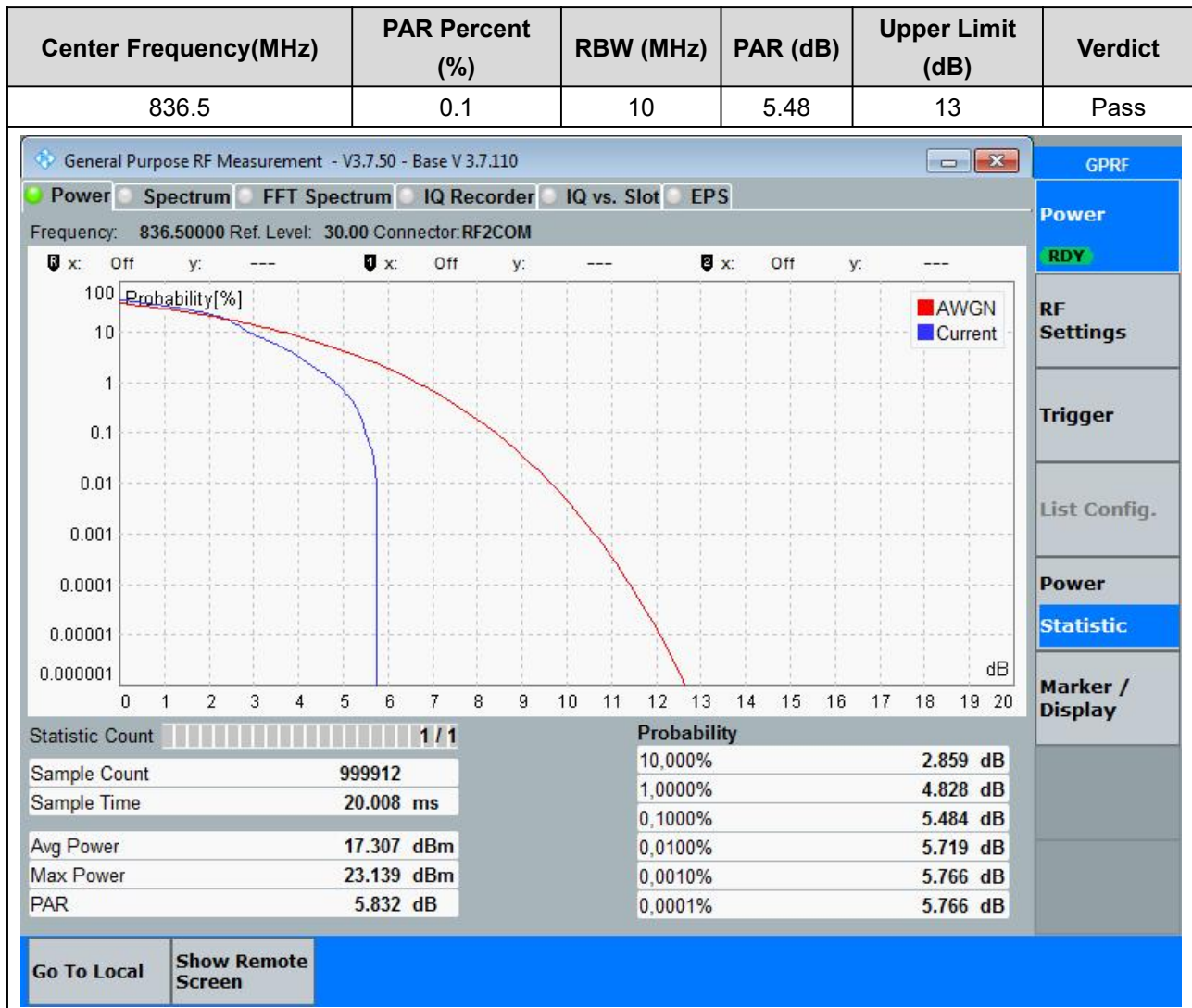
2.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



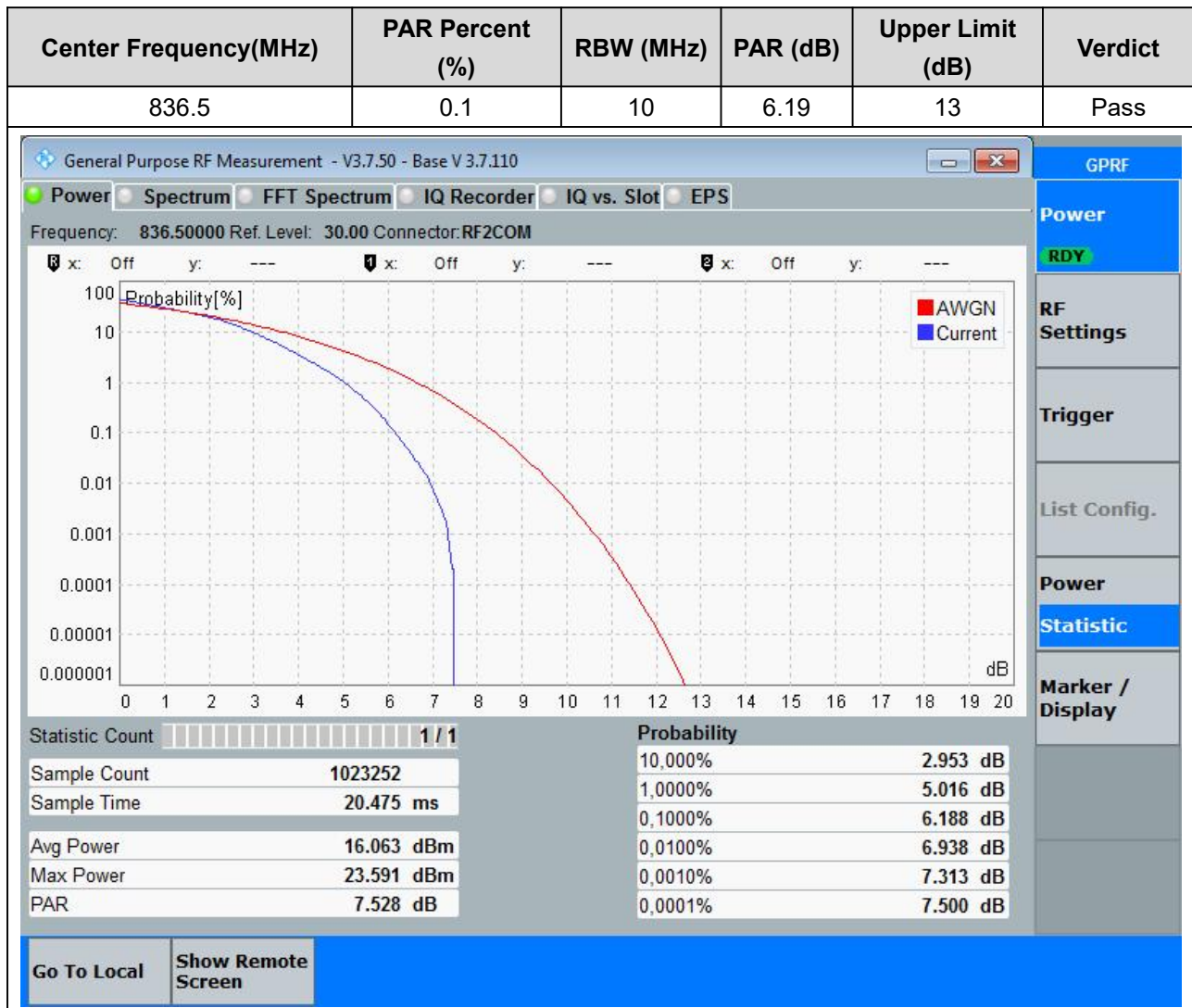
2.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



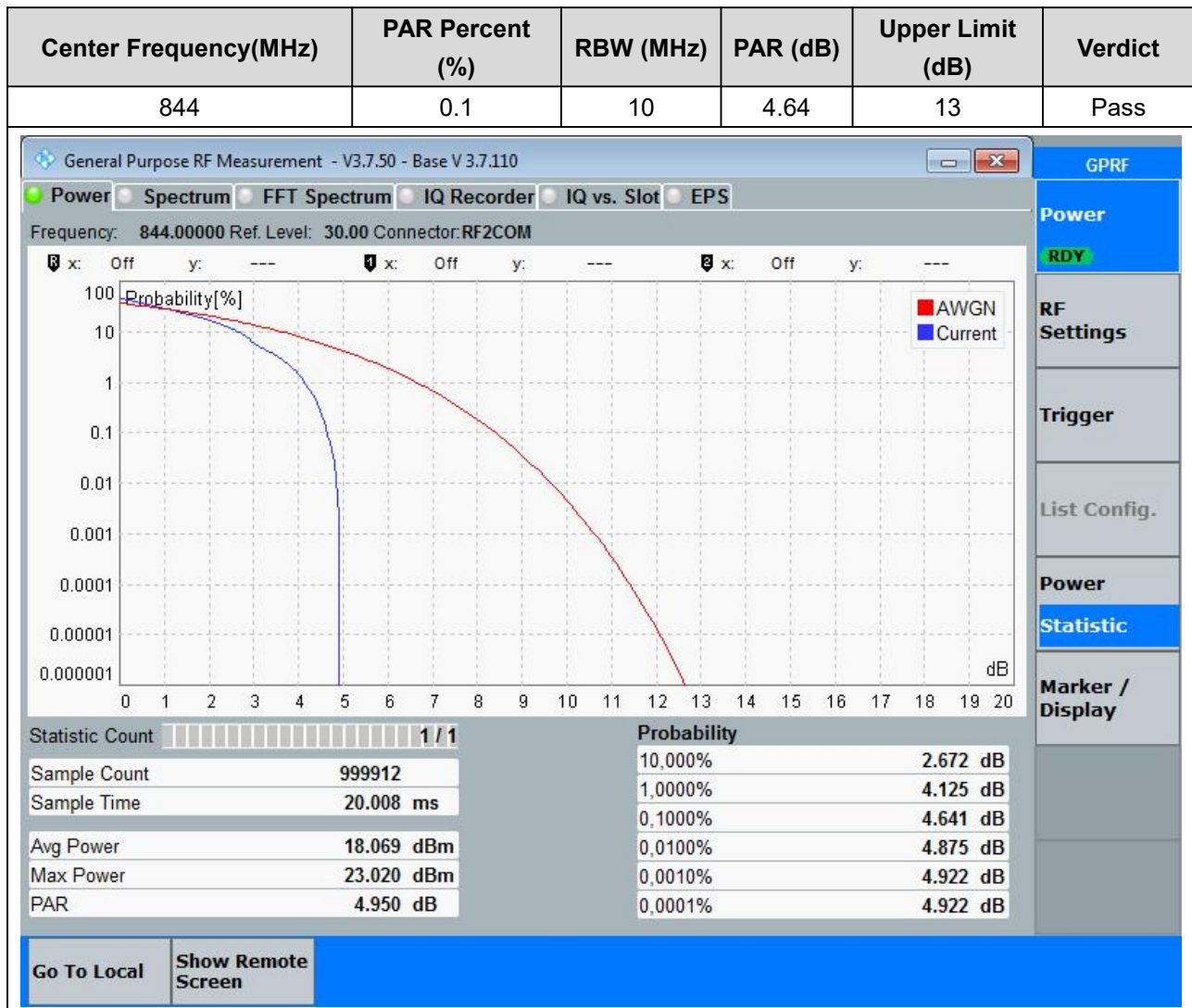
2.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20525, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)



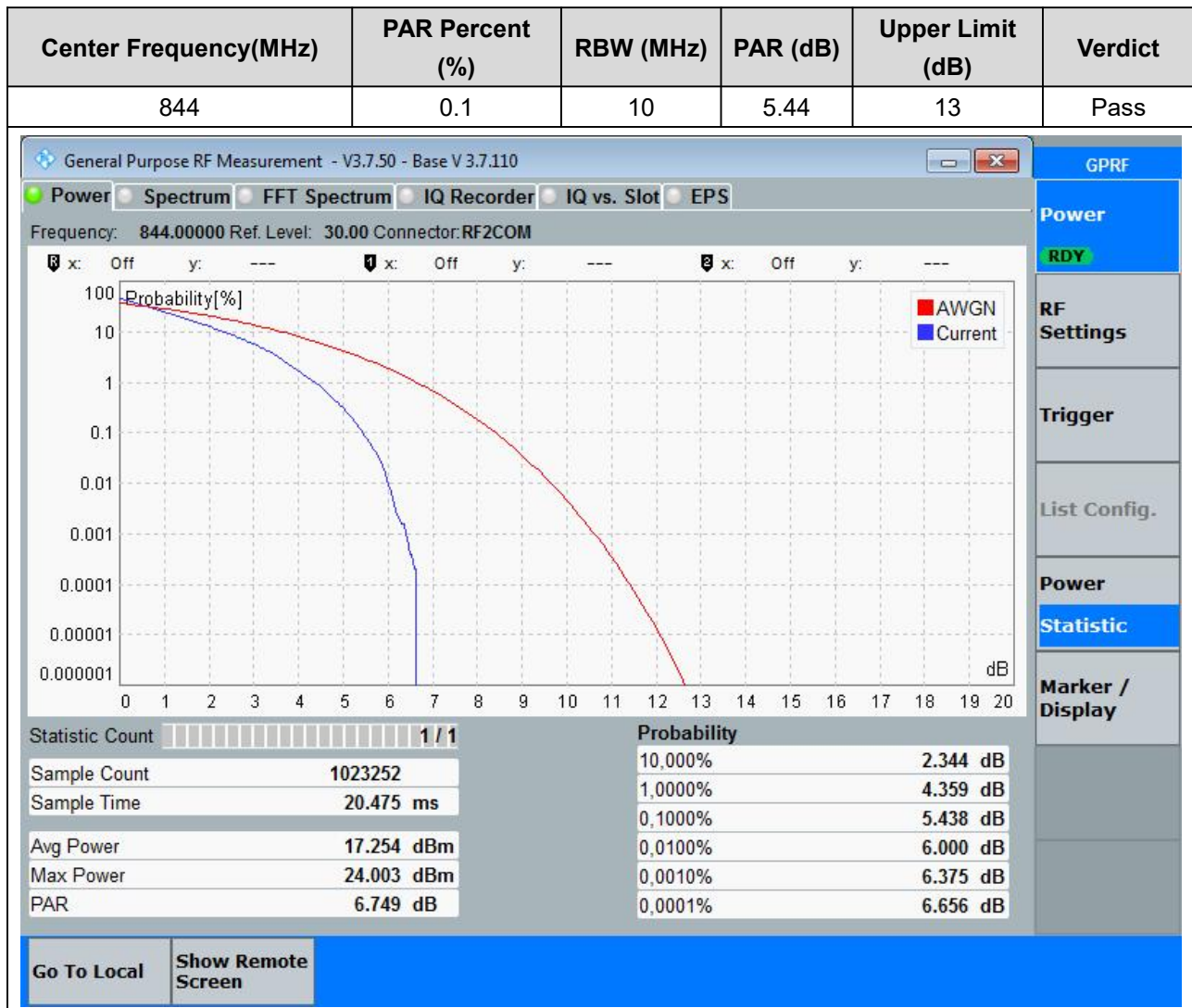
2.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20525, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



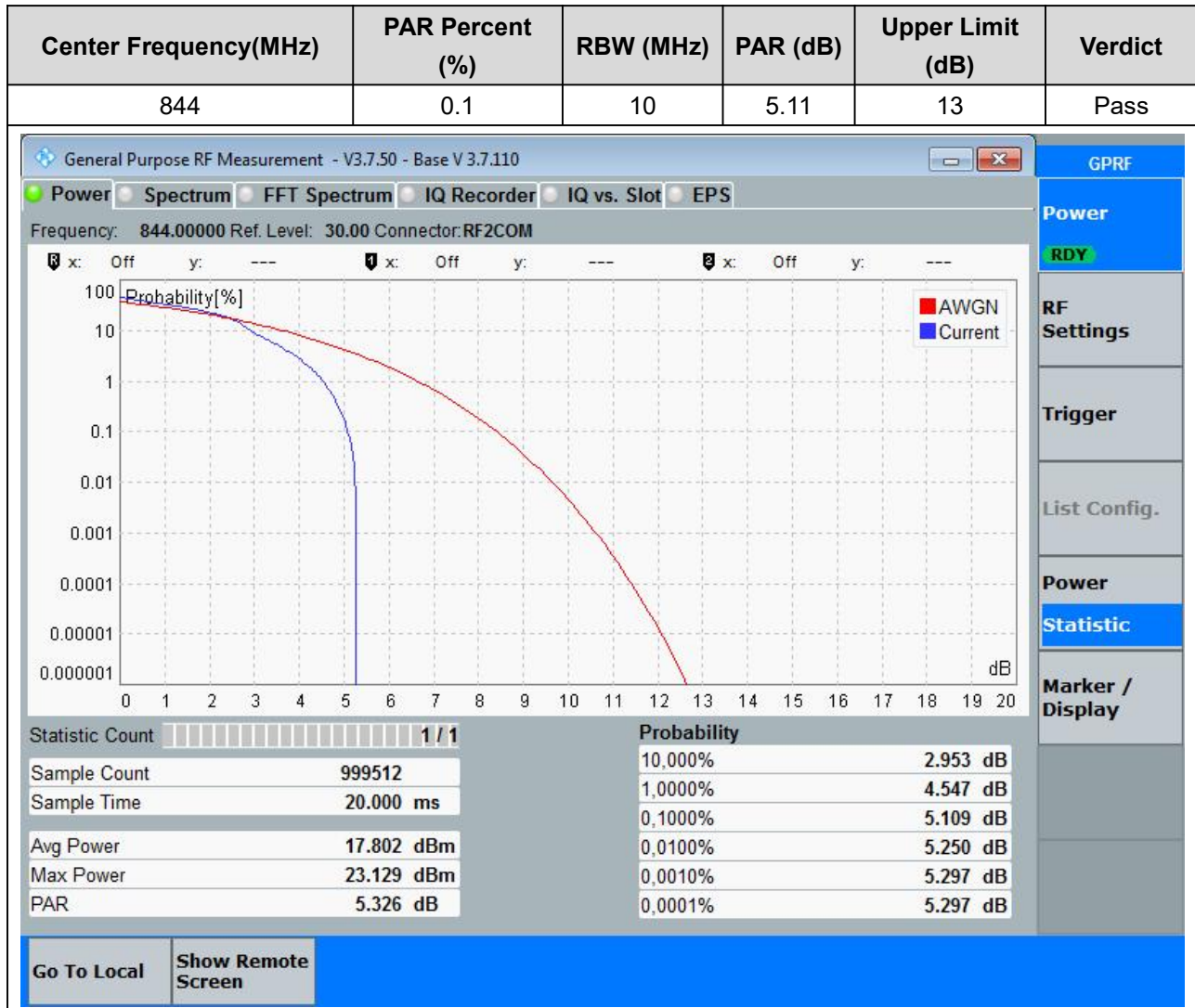
2.9 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



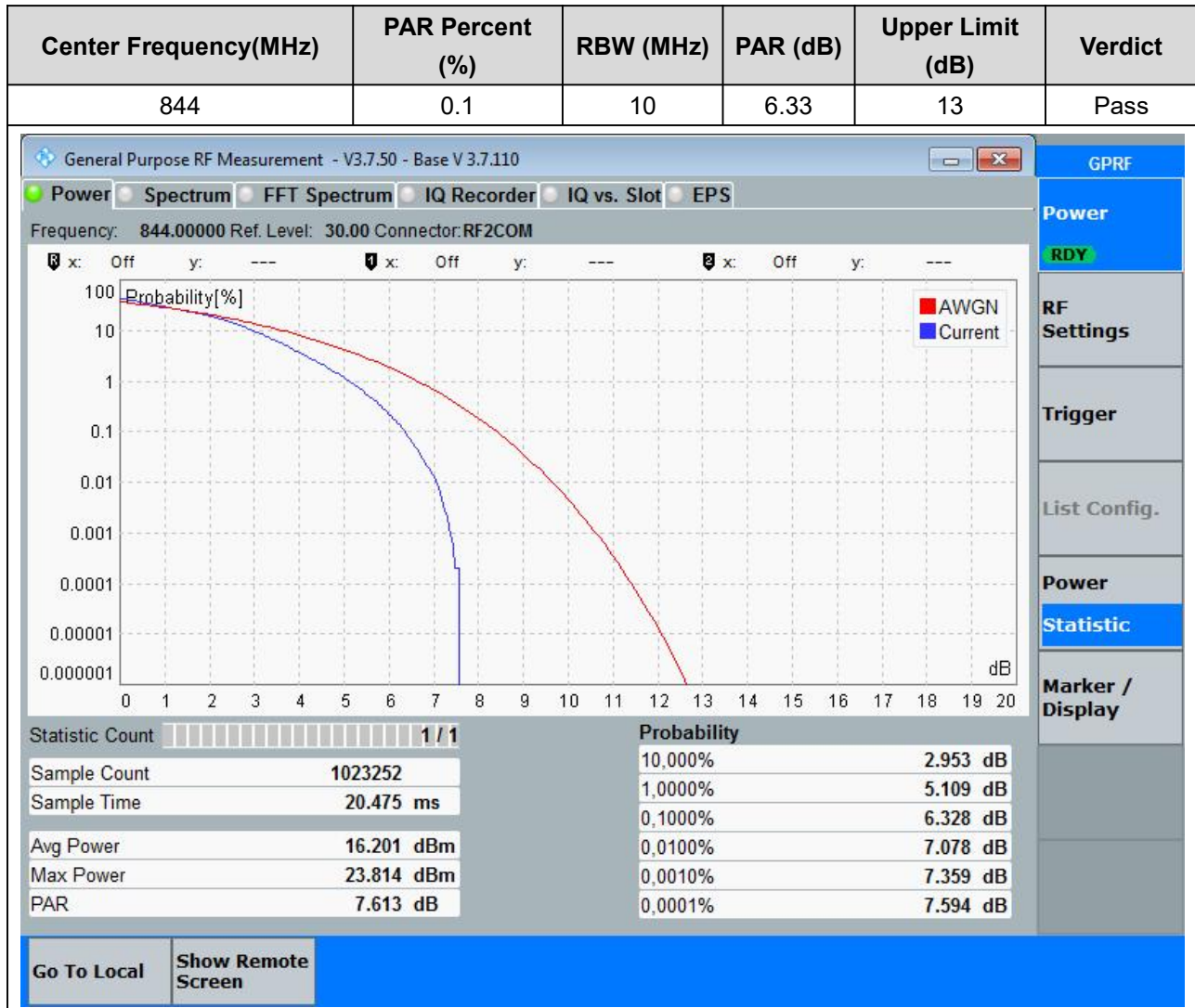
2.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



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



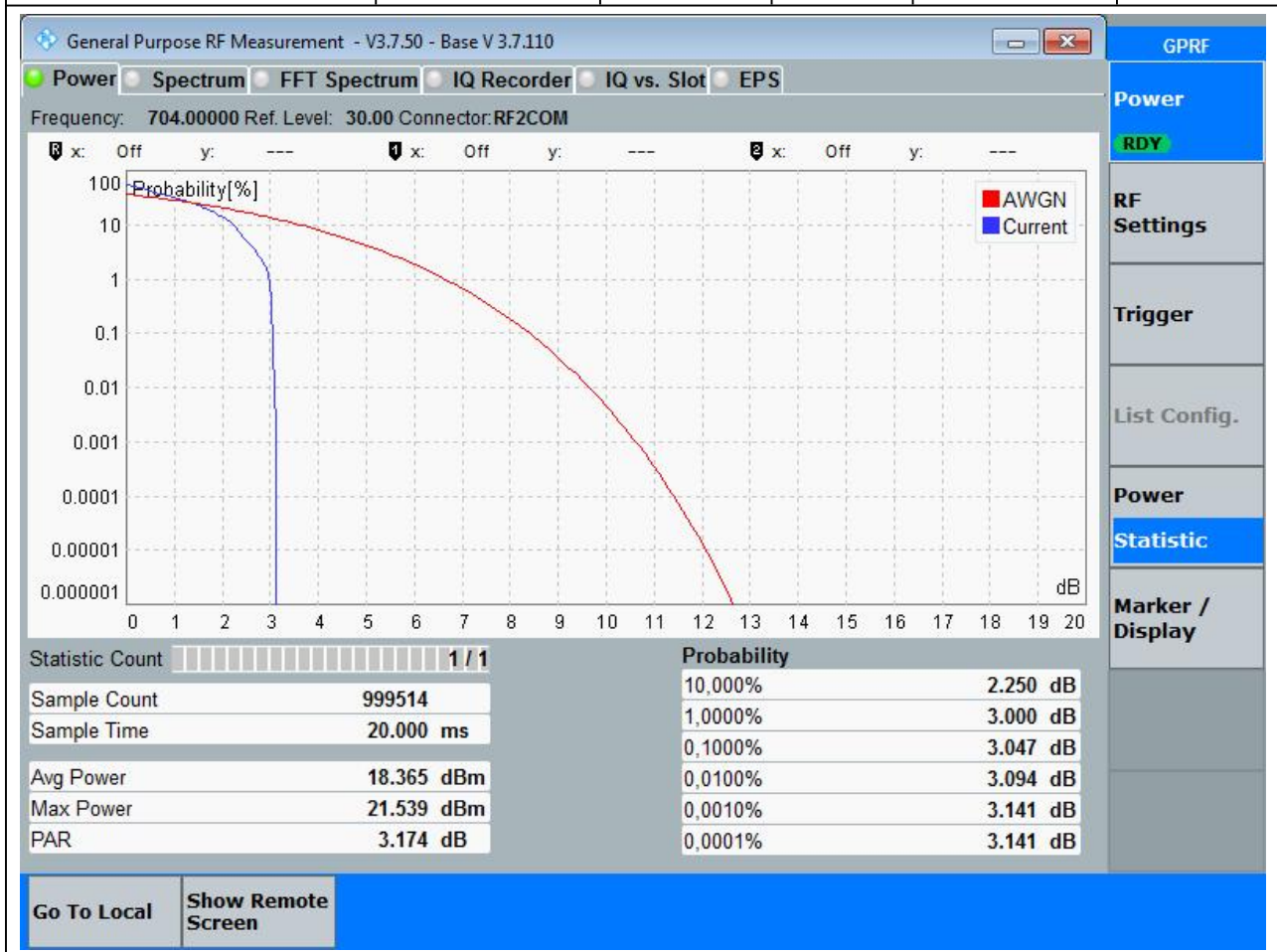
2.12 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:20600, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



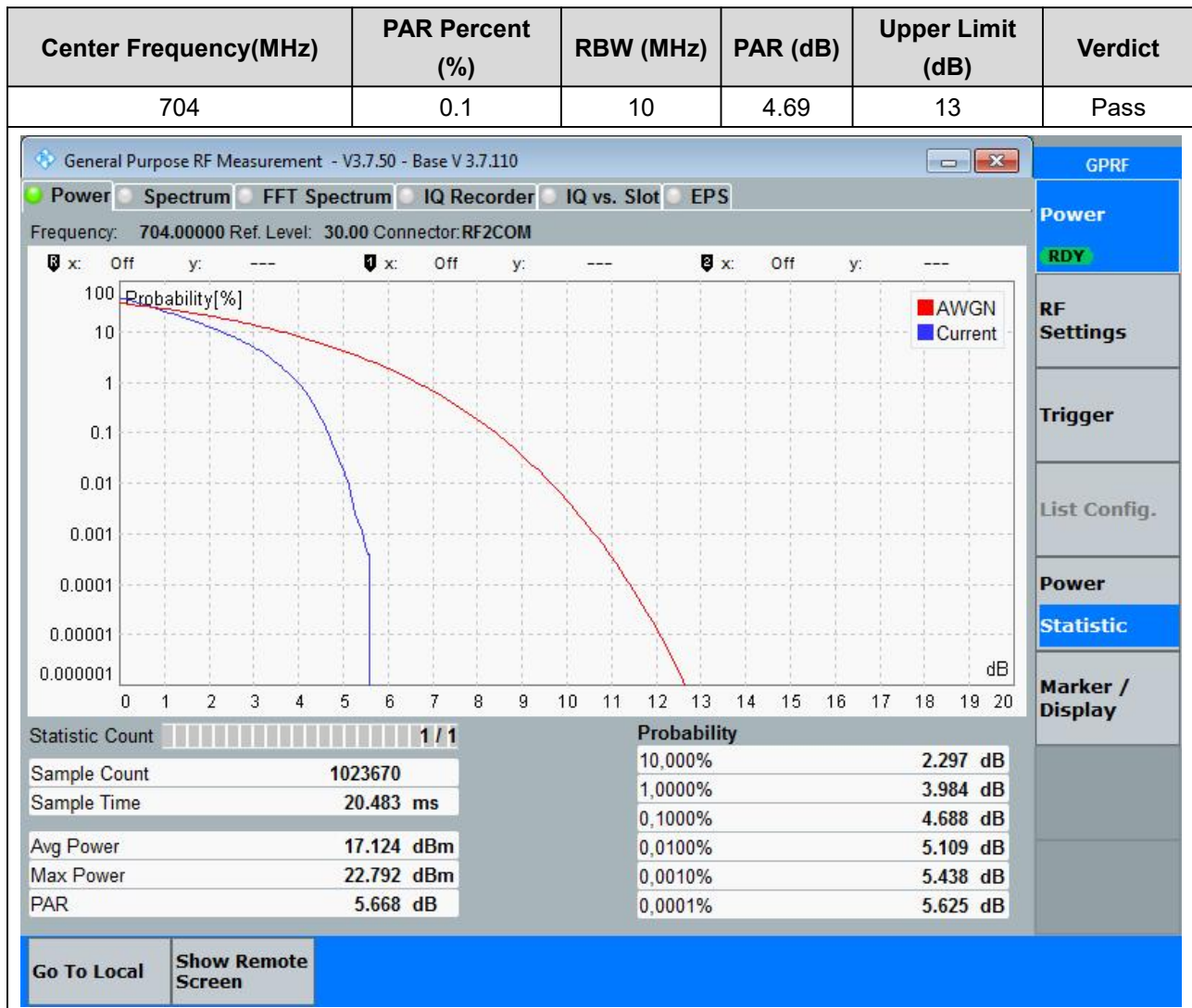
3. LTE_Band12

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

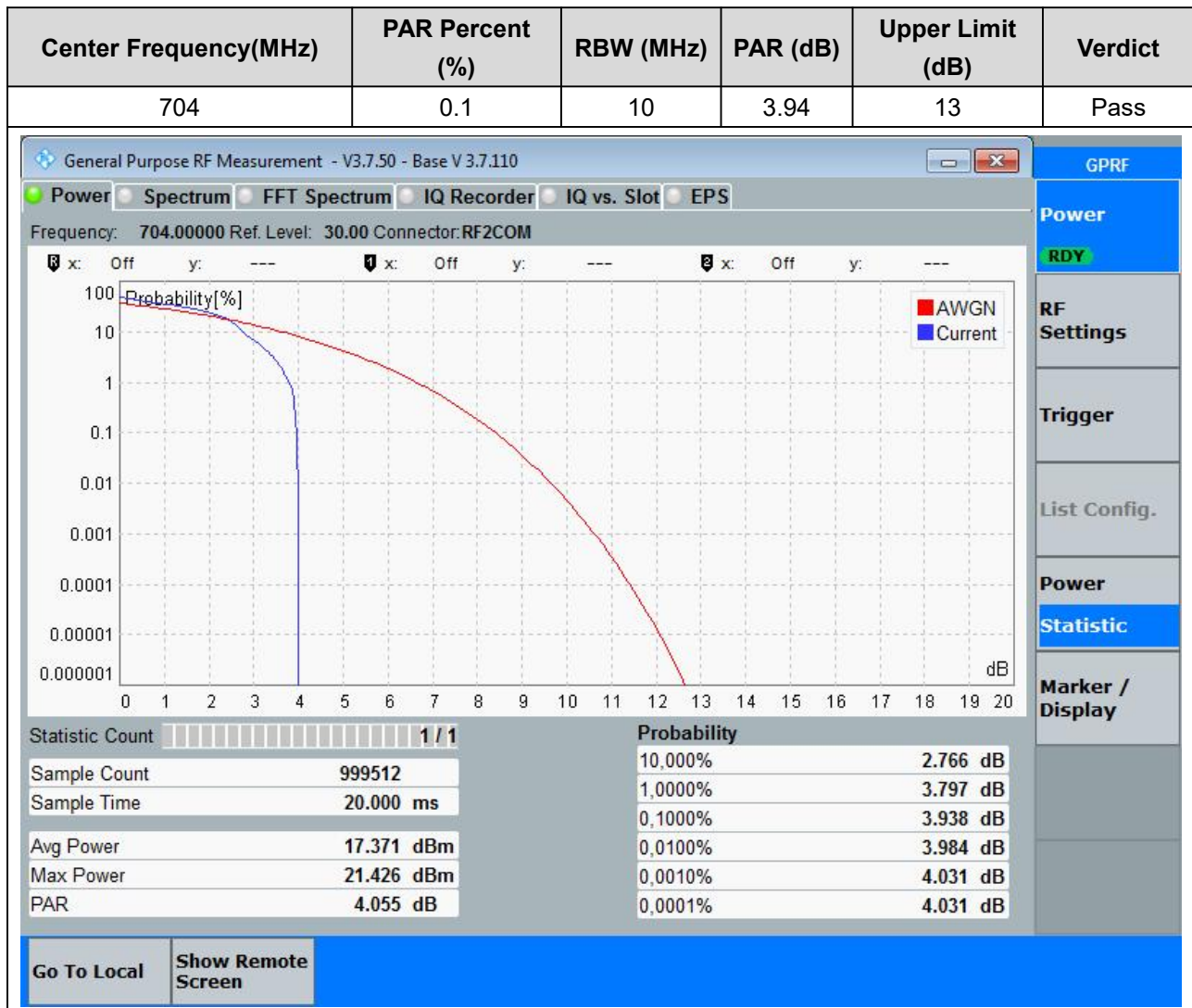
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
704	0.1	10	3.05	13	Pass



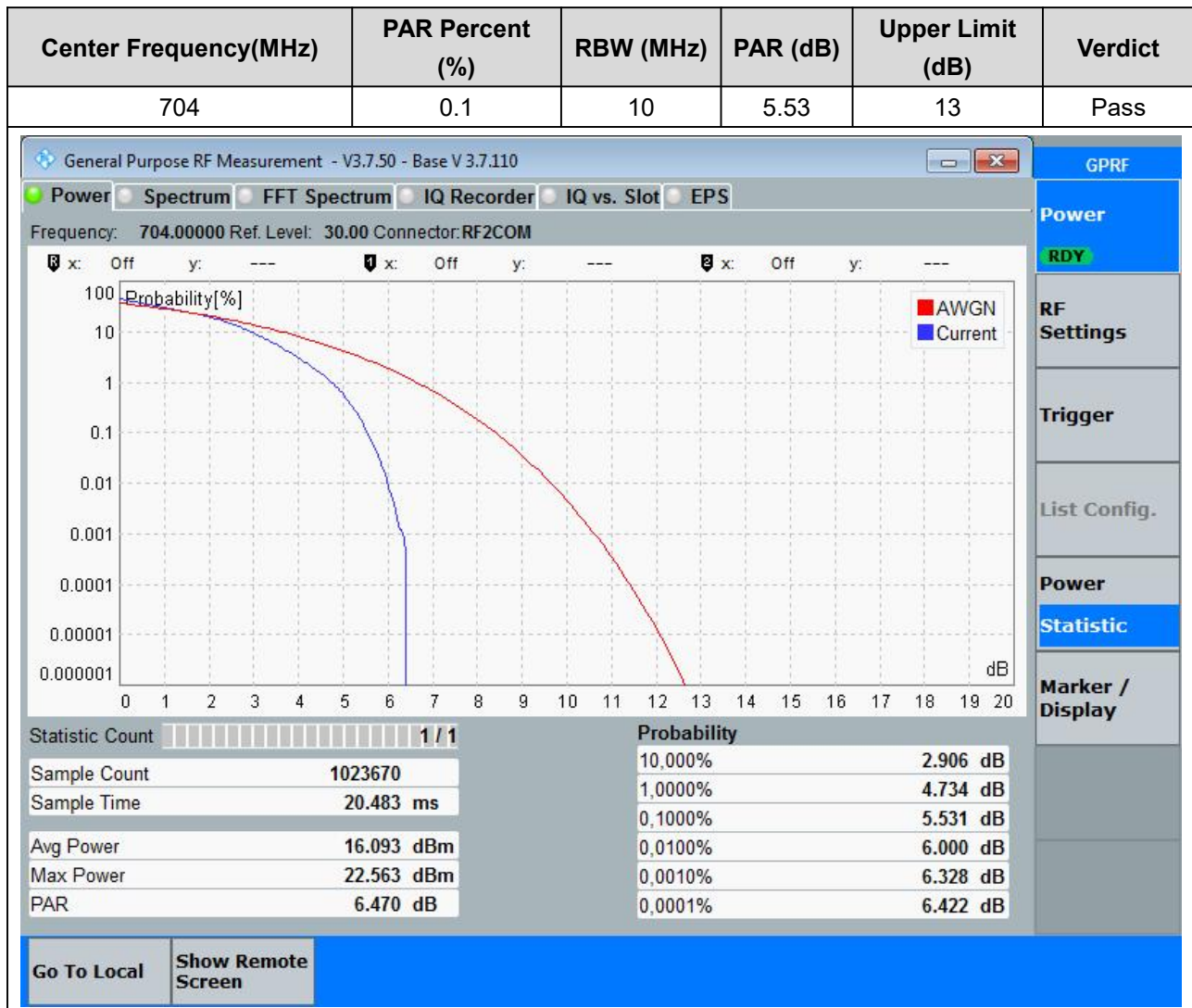
3.2 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23060, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



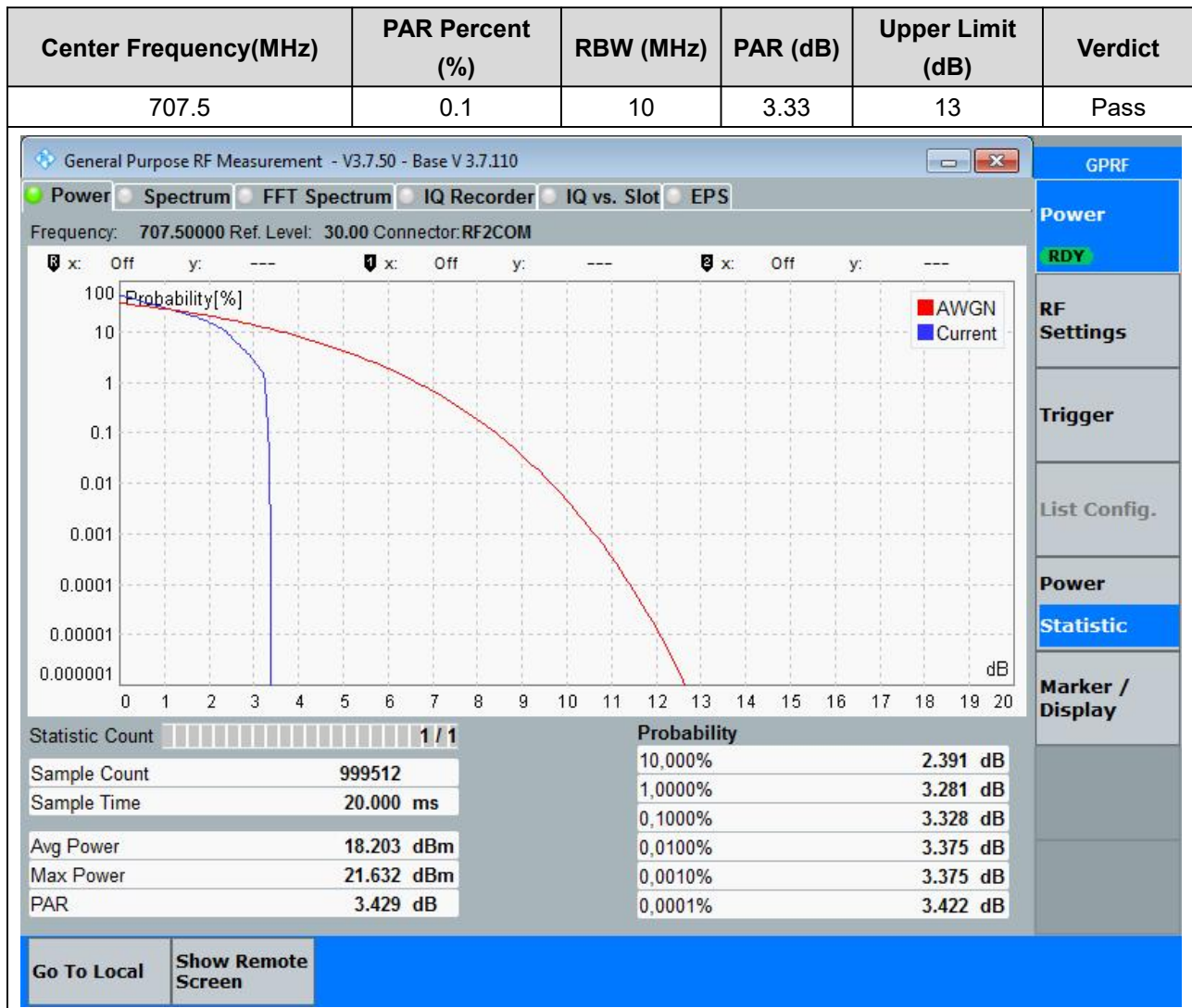
3.3 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23060, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)



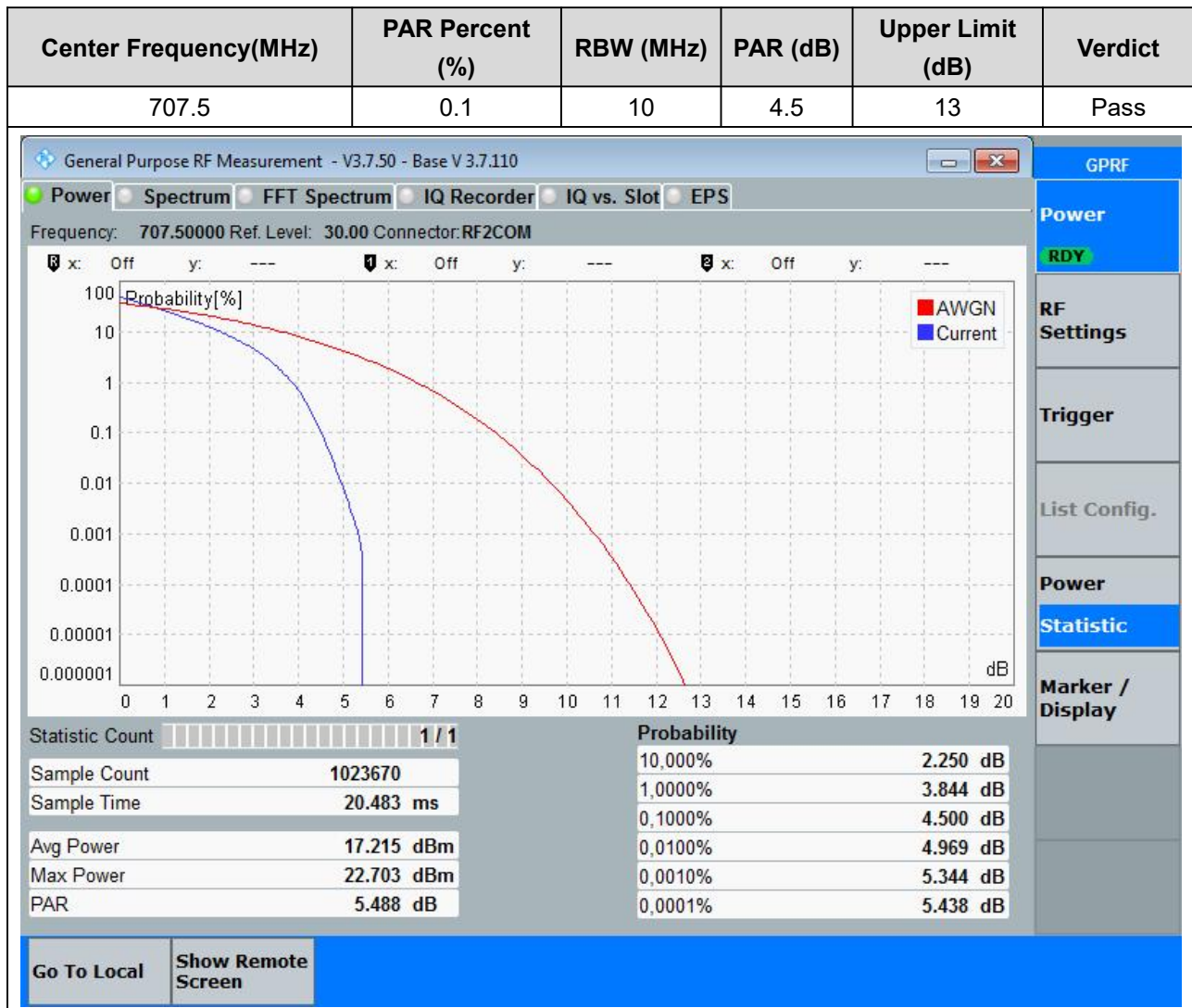
3.4 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23060, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



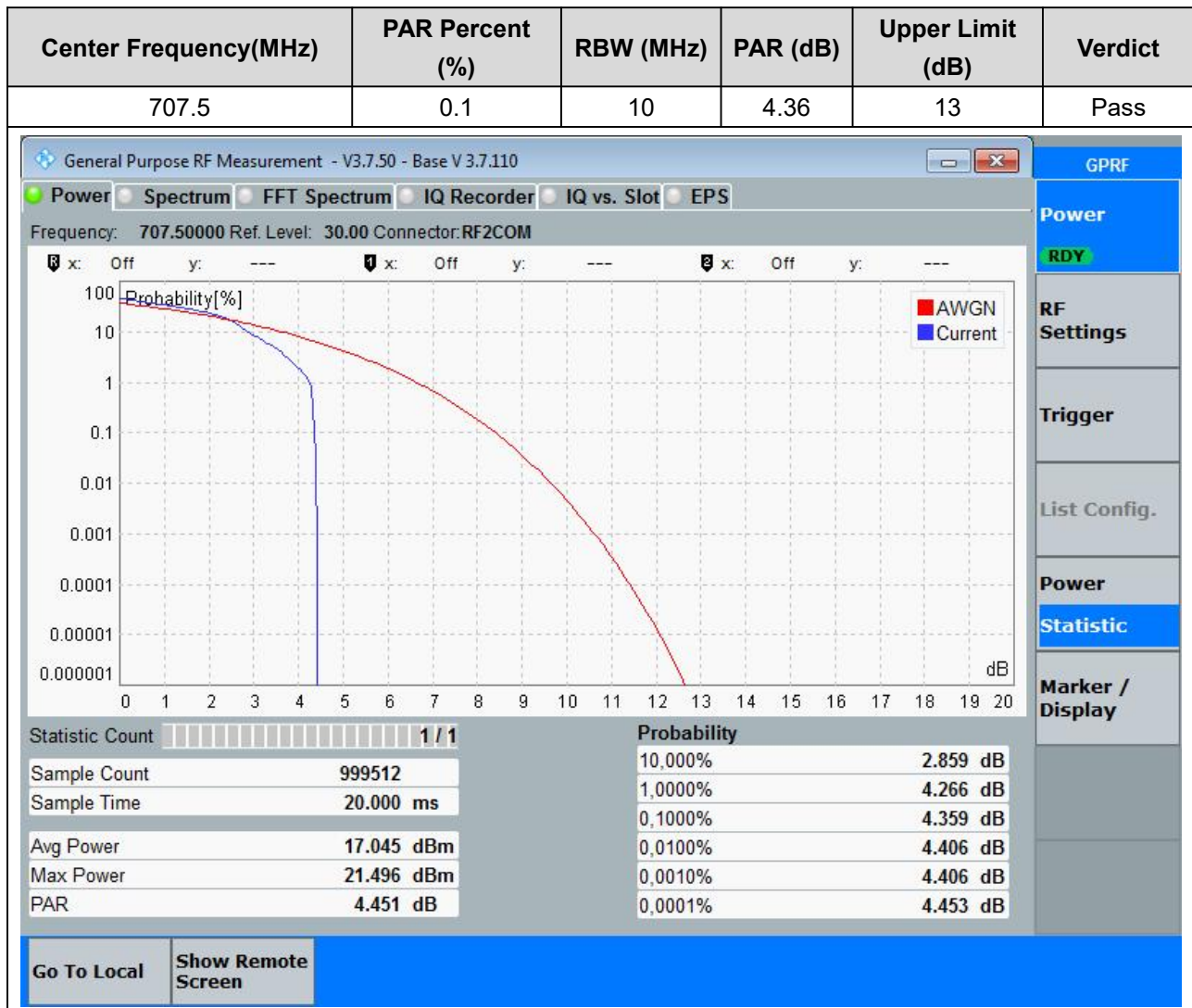
3.5 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)



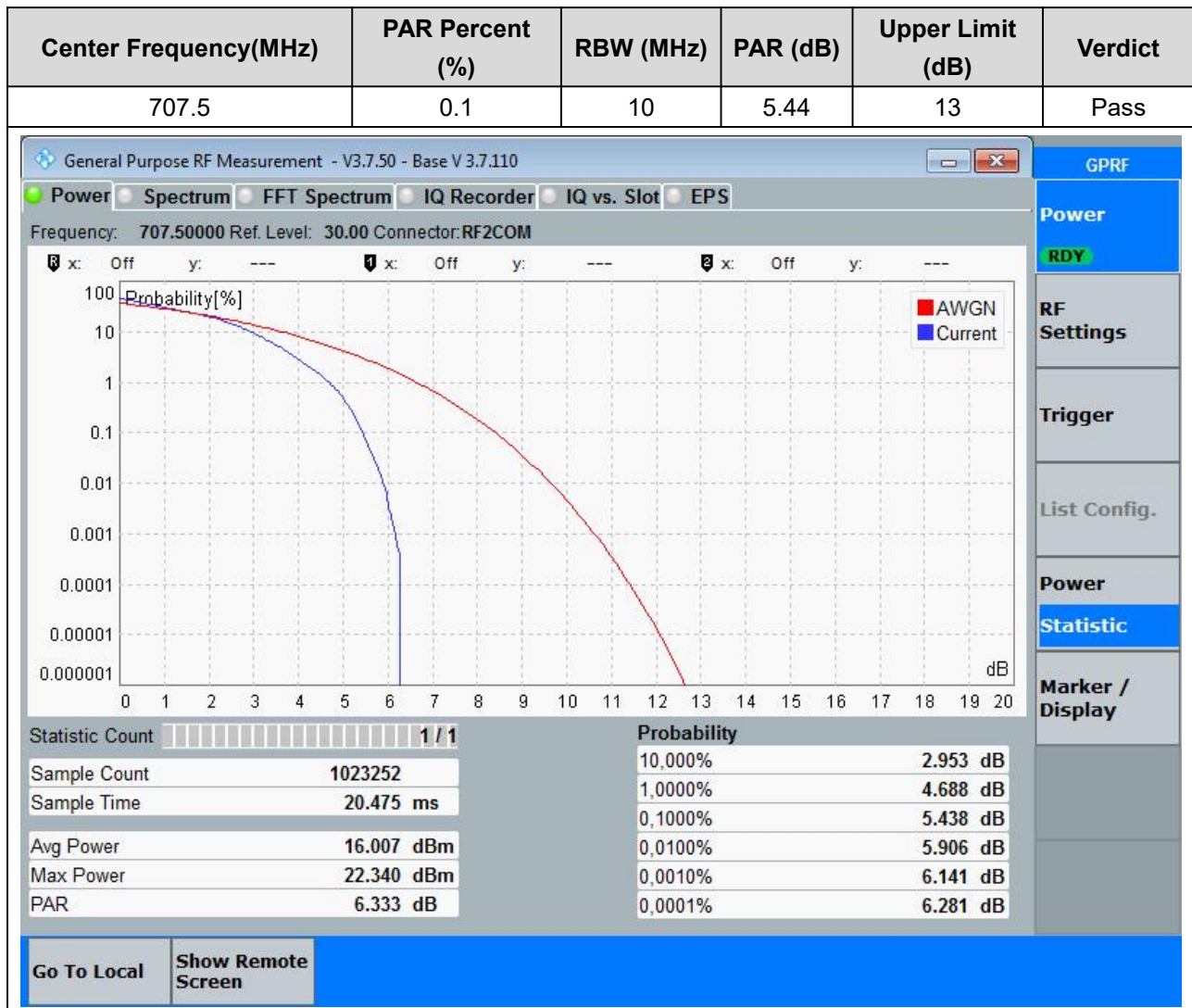
3.6 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23095, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



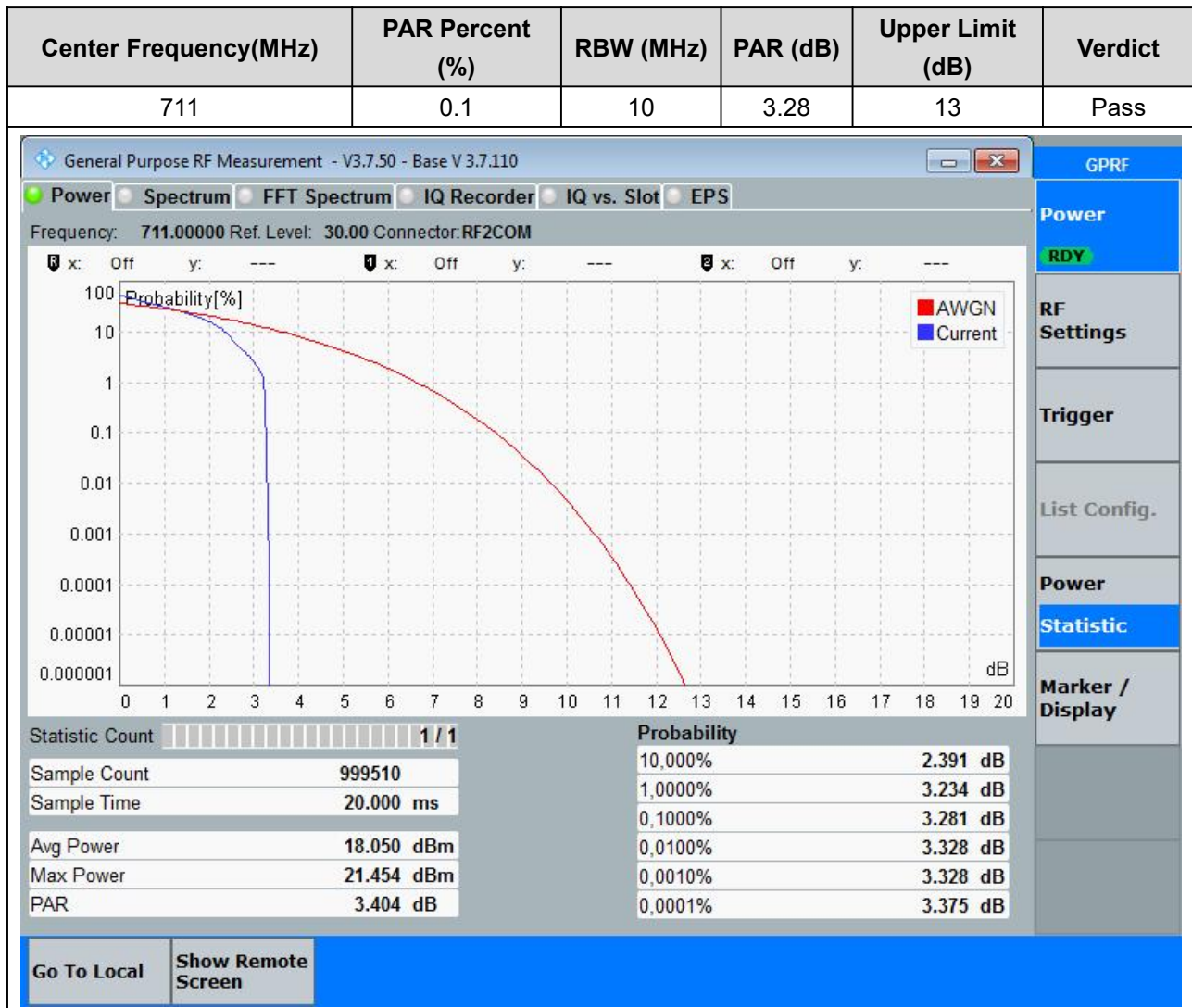
3.7 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23095, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)



3.8 LTE Peak to Average Ratio_Part22-24-27(NTNV)(Channel:23095, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



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



3.10 LTE Peak to Average Ratio_Part22-24-27(NTNV)(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	4.64	13	Pass

