

AppendixA: Effective (Isotropic) Radiated Power Output Data

(No trigger SAR Sensor)

Test Band	Test Mode	Test Channel	Max. Conducted Power[dBm]	ERP[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
WCDMA1900	RMC	LCH	24.07	/	22.56	33	PASS
		MCH	23.84	/	22.33	33	PASS
		HCH	23.75	/	22.24	33	PASS
	HSDPA	LCH	22.70	/	21.19	33	PASS
		MCH	22.59	/	21.08	33	PASS
		HCH	22.51	/	21.00	33	PASS
	HSUPA	LCH	22.75	/	21.24	33	PASS
		MCH	22.54	/	21.03	33	PASS
		HCH	22.87	/	21.36	33	PASS
WCDMA1700	RMC	LCH	23.56	/	22.02	30	PASS
		MCH	23.84	/	22.30	30	PASS
		HCH	24.05	/	22.51	30	PASS
	HSDPA	LCH	22.61	/	21.07	30	PASS
		MCH	22.88	/	21.34	30	PASS
		HCH	23.09	/	21.55	30	PASS
	HSUPA	LCH	22.12	/	20.58	30	PASS
		MCH	22.35	/	20.81	30	PASS
		HCH	22.62	/	21.08	30	PASS
WCDMA850	RMC	LCH	24.72	22.56	/	38.5	PASS
		MCH	24.73	22.57	/	38.5	PASS
		HCH	24.80	22.64	/	38.5	PASS
	HSDPA	LCH	23.75	21.59	/	38.5	PASS
		MCH	23.79	21.63	/	38.5	PASS
		HCH	23.83	21.67	/	38.5	PASS
	HSUPA	LCH	23.87	21.71	/	38.5	PASS
		MCH	23.77	21.61	/	38.5	PASS
		HCH	23.68	21.52	/	38.5	PASS

(Trigger SAR Sensor)

Test Band	Test Mode	Test Channel	Max. Conducted Power[dBm]	ERP[dBm]	EIRP[dBm]	Limit[dBm]	Verdict
WCDMA1900	RMC	LCH	14.68	/	13.17	33	PASS
		MCH	14.23	/	12.72	33	PASS
		HCH	14.23	/	12.72	33	PASS
	HSDPA	LCH	14.58	/	13.07	33	PASS
		MCH	14.27	/	12.76	33	PASS
		HCH	14.30	/	12.79	33	PASS
	HSUPA	LCH	14.28	/	12.77	33	PASS
		MCH	14.28	/	12.77	33	PASS
		HCH	14.27	/	12.76	33	PASS
WCDMA1700	RMC	LCH	14.06	/	12.52	30	PASS
		MCH	14.37	/	12.83	30	PASS
		HCH	14.59	/	13.05	30	PASS
	HSDPA	LCH	14.09	/	12.55	30	PASS
		MCH	14.37	/	12.83	30	PASS
		HCH	14.61	/	13.07	30	PASS
	HSUPA	LCH	14.19	/	12.65	30	PASS
		MCH	14.13	/	12.59	30	PASS
		HCH	14.02	/	12.48	30	PASS
WCDMA850	RMC	LCH	15.16	13.00	/	38.5	PASS
		MCH	15.20	13.04	/	38.5	PASS
		HCH	15.28	13.12	/	38.5	PASS
	HSDPA	LCH	15.22	13.06	/	38.5	PASS
		MCH	15.26	13.10	/	38.5	PASS
		HCH	15.33	13.17	/	38.5	PASS
	HSUPA	LCH	15.26	13.10	/	38.5	PASS
		MCH	15.29	13.13	/	38.5	PASS
		HCH	15.27	13.11	/	38.5	PASS

Note 1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]} - 2.15$$

$$\text{EIRP[dBm]} = \text{SGP[dBm]} - \text{Cable Loss[dB]} + \text{Gain[dBd]}$$

b, SGP=Signal Generator Level

c, Antenna gain of WCDMA 1900 is -1.51dBi;

Antenna gain of WCDMA 1700 is -1.54dBi;

Antenna gain of WCDMA 850 is -0.01dBi;

Note 2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

SET RBW=1% of the OBW, not to exceed 1MHz

$$\text{SET VBW} \geq 3 * \text{RBW}$$

SET SWEEP time=auto couple

Detector: RMS

Test Result (No trigger SAR Sensor)

Band	Channel	Conducted Power(dBm)	Limit(dBm)	Verdict
Band2	9262	24.07	33	PASS
Band2	9400	23.84	33	PASS
Band2	9538	23.75	33	PASS
Band4	1312	23.56	30	PASS
Band4	1413	23.84	30	PASS
Band4	1513	24.05	30	PASS
Band5	4132	24.72	38.5	PASS
Band5	4182	24.73	38.5	PASS
Band5	4233	24.80	38.5	PASS

Band	Channel	SubTest	Conducted Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.70	33	PASS
Band2	9262	2	22.20	33	PASS
Band2	9262	3	22.16	33	PASS
Band2	9262	4	22.66	33	PASS
Band2	9400	1	22.59	33	PASS
Band2	9400	2	22.17	33	PASS
Band2	9400	3	22.07	33	PASS
Band2	9400	4	22.34	33	PASS
Band2	9538	1	22.51	33	PASS
Band2	9538	2	22.04	33	PASS

Band2	9538	3	21.95	33	PASS
Band2	9538	4	22.36	33	PASS
Band4	1312	1	22.61	30	PASS
Band4	1312	2	22.22	30	PASS
Band4	1312	3	22.06	30	PASS
Band4	1312	4	22.09	30	PASS
Band4	1413	1	22.88	30	PASS
Band4	1413	2	22.41	30	PASS
Band4	1413	3	22.31	30	PASS
Band4	1413	4	22.32	30	PASS
Band4	1513	1	23.09	30	PASS
Band4	1513	2	22.71	30	PASS
Band4	1513	3	22.55	30	PASS
Band4	1513	4	22.55	30	PASS
Band5	4132	1	23.75	38.5	PASS
Band5	4132	2	23.32	38.5	PASS
Band5	4132	3	23.19	38.5	PASS
Band5	4132	4	23.20	38.5	PASS
Band5	4182	1	23.79	38.5	PASS
Band5	4182	2	23.31	38.5	PASS
Band5	4182	3	23.25	38.5	PASS
Band5	4182	4	23.23	38.5	PASS
Band5	4233	1	23.83	38.5	PASS
Band5	4233	2	23.42	38.5	PASS
Band5	4233	3	23.30	38.5	PASS
Band5	4233	4	23.30	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	21.13	33	PASS
Band2	9262	2	21.67	33	PASS
Band2	9262	3	22.20	33	PASS
Band2	9262	4	21.17	33	PASS
Band2	9262	5	22.75	33	PASS
Band2	9400	1	20.91	33	PASS
Band2	9400	2	21.36	33	PASS
Band2	9400	3	21.89	33	PASS
Band2	9400	4	20.91	33	PASS

Band2	9400	5	22.54	33	PASS
Band2	9538	1	20.90	33	PASS
Band2	9538	2	21.39	33	PASS
Band2	9538	3	21.92	33	PASS
Band2	9538	4	20.91	33	PASS
Band2	9538	5	22.87	33	PASS
Band4	1312	1	20.61	30	PASS
Band4	1312	2	21.13	30	PASS
Band4	1312	3	21.64	30	PASS
Band4	1312	4	20.62	30	PASS
Band4	1312	5	22.12	30	PASS
Band4	1413	1	20.89	30	PASS
Band4	1413	2	21.38	30	PASS
Band4	1413	3	21.85	30	PASS
Band4	1413	4	20.89	30	PASS
Band4	1413	5	22.35	30	PASS
Band4	1513	1	21.11	30	PASS
Band4	1513	2	21.61	30	PASS
Band4	1513	3	22.10	30	PASS
Band4	1513	4	21.12	30	PASS
Band4	1513	5	22.62	30	PASS
Band5	4132	1	21.79	38.5	PASS
Band5	4132	2	22.26	38.5	PASS
Band5	4132	3	22.78	38.5	PASS
Band5	4132	4	21.80	38.5	PASS
Band5	4132	5	23.87	38.5	PASS
Band5	4182	1	21.82	38.5	PASS
Band5	4182	2	22.31	38.5	PASS
Band5	4182	3	22.84	38.5	PASS

Band5	4182	4	21.85	38.5	PASS
Band5	4182	5	23.77	38.5	PASS
Band5	4233	1	21.90	38.5	PASS
Band5	4233	2	22.38	38.5	PASS
Band5	4233	3	22.92	38.5	PASS
Band5	4233	4	21.92	38.5	PASS
Band5	4233	5	23.68	38.5	PASS

Test Result(Trigger SAR Sensor, Reduced power)

Band	Channel	Conducted Power(dBm)	Limit(dBm)	Verdict
Band2	9262	14.68	33	PASS
Band2	9400	14.23	33	PASS
Band2	9538	14.23	33	PASS
Band4	1312	14.06	30	PASS
Band4	1413	14.37	30	PASS
Band4	1513	14.59	30	PASS
Band5	4132	15.16	38.5	PASS
Band5	4182	15.20	38.5	PASS
Band5	4233	15.28	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	14.58	33	PASS
Band2	9262	2	14.15	33	PASS
Band2	9262	3	14.08	33	PASS
Band2	9262	4	14.09	33	PASS
Band2	9400	1	14.27	33	PASS
Band2	9400	2	13.87	33	PASS
Band2	9400	3	13.77	33	PASS
Band2	9400	4	13.79	33	PASS
Band2	9538	1	14.30	33	PASS
Band2	9538	2	13.90	33	PASS
Band2	9538	3	13.76	33	PASS
Band2	9538	4	13.81	33	PASS
Band4	1312	1	14.09	30	PASS
Band4	1312	2	13.63	30	PASS
Band4	1312	3	13.54	30	PASS
Band4	1312	4	13.31	30	PASS
Band4	1413	1	14.37	30	PASS
Band4	1413	2	13.96	30	PASS
Band4	1413	3	13.79	30	PASS
Band4	1413	4	13.59	30	PASS
Band4	1513	1	14.61	30	PASS
Band4	1513	2	14.18	30	PASS
Band4	1513	3	14.04	30	PASS
Band4	1513	4	13.78	30	PASS
Band5	4132	1	15.22	38.5	PASS
Band5	4132	2	14.81	38.5	PASS
Band5	4132	3	14.72	38.5	PASS

Band5	4132	4	14.67	38.5	PASS
Band5	4182	1	15.26	38.5	PASS
Band5	4182	2	14.82	38.5	PASS
Band5	4182	3	14.75	38.5	PASS
Band5	4182	4	14.72	38.5	PASS
Band5	4233	1	15.33	38.5	PASS
Band5	4233	2	14.89	38.5	PASS
Band5	4233	3	14.84	38.5	PASS
Band5	4233	4	14.77	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	12.63	33	PASS
Band2	9262	2	13.11	33	PASS
Band2	9262	3	13.61	33	PASS
Band2	9262	4	12.61	33	PASS
Band2	9262	5	14.28	33	PASS
Band2	9400	1	12.30	33	PASS
Band2	9400	2	12.80	33	PASS
Band2	9400	3	13.33	33	PASS
Band2	9400	4	12.35	33	PASS
Band2	9400	5	14.28	33	PASS
Band2	9538	1	12.30	33	PASS
Band2	9538	2	12.83	33	PASS
Band2	9538	3	13.33	33	PASS
Band2	9538	4	12.34	33	PASS
Band2	9538	5	14.27	33	PASS
Band4	1312	1	12.09	30	PASS
Band4	1312	2	12.59	30	PASS
Band4	1312	3	13.12	30	PASS
Band4	1312	4	12.15	30	PASS
Band4	1312	5	14.19	30	PASS
Band4	1413	1	12.35	30	PASS

Band4	1413	2	12.82	30	PASS
Band4	1413	3	13.40	30	PASS
Band4	1413	4	12.38	30	PASS
Band4	1413	5	14.13	30	PASS
Band4	1513	1	12.59	30	PASS
Band4	1513	2	13.07	30	PASS
Band4	1513	3	13.58	30	PASS
Band4	1513	4	12.62	30	PASS
Band4	1513	5	14.02	30	PASS
Band5	4132	1	13.21	38.5	PASS
Band5	4132	2	13.73	38.5	PASS
Band5	4132	3	14.21	38.5	PASS
Band5	4132	4	13.25	38.5	PASS
Band5	4132	5	15.26	38.5	PASS
Band5	4182	1	13.27	38.5	PASS
Band5	4182	2	13.76	38.5	PASS
Band5	4182	3	14.27	38.5	PASS
Band5	4182	4	13.31	38.5	PASS
Band5	4182	5	15.29	38.5	PASS
Band5	4233	1	13.34	38.5	PASS
Band5	4233	2	13.84	38.5	PASS
Band5	4233	3	14.35	38.5	PASS
Band5	4233	4	13.35	38.5	PASS
Band5	4233	5	15.27	38.5	PASS

AppendixB:Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.84	13	PASS
Band2	9400	2.9	13	PASS
Band2	9538	2.93	13	PASS
Band4	1312	3.04	13	PASS
Band4	1413	2.96	13	PASS
Band4	1513	3.01	13	PASS
Band5	4132	2.96	13	PASS
Band5	4182	3.01	13	PASS
Band5	4233	2.96	13	PASS

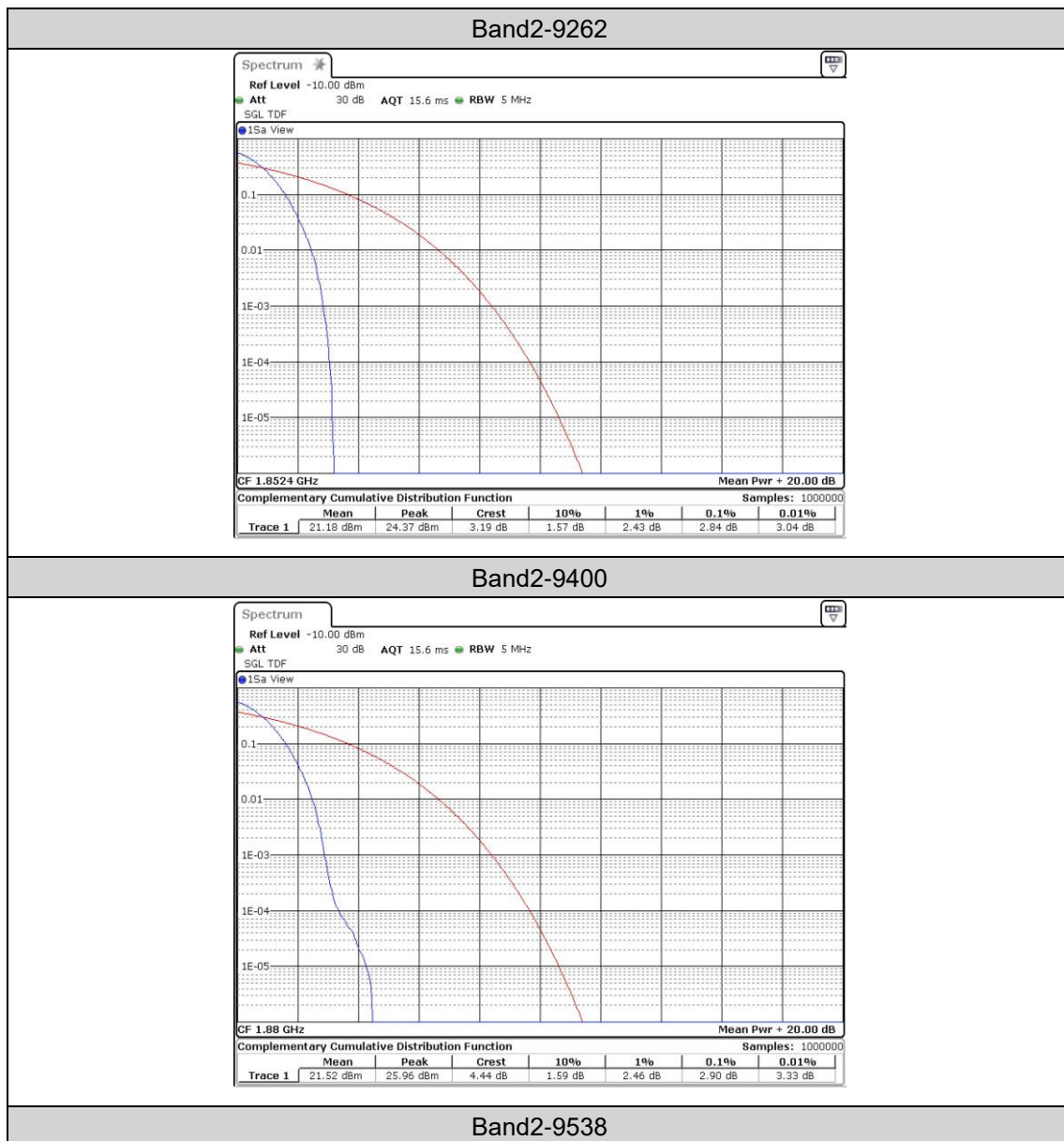
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.01	13	PASS
Band2	9262	2	3.28	13	PASS
Band2	9262	3	3.48	13	PASS
Band2	9262	4	3.01	13	PASS
Band2	9400	1	3.04	13	PASS
Band2	9400	2	3.28	13	PASS
Band2	9400	3	3.54	13	PASS
Band2	9400	4	3.04	13	PASS
Band2	9538	1	3.07	13	PASS
Band2	9538	2	3.3	13	PASS
Band2	9538	3	3.54	13	PASS
Band2	9538	4	3.07	13	PASS
Band4	1312	1	3.1	13	PASS
Band4	1312	2	3.33	13	PASS
Band4	1312	3	3.54	13	PASS
Band4	1312	4	3.57	13	PASS
Band4	1413	1	3.04	13	PASS
Band4	1413	2	3.28	13	PASS
Band4	1413	3	3.48	13	PASS
Band4	1413	4	3.51	13	PASS
Band4	1513	1	3.04	13	PASS
Band4	1513	2	3.3	13	PASS
Band4	1513	3	3.48	13	PASS
Band4	1513	4	3.54	13	PASS
Band5	4132	1	3.13	13	PASS

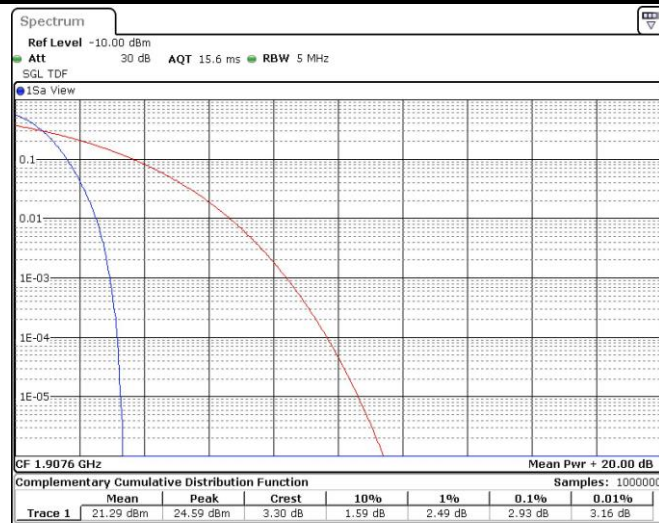
Band5	4132	2	3.33	13	PASS
Band5	4132	3	3.57	13	PASS
Band5	4132	4	3.62	13	PASS
Band5	4182	1	3.19	13	PASS
Band5	4182	2	3.33	13	PASS
Band5	4182	3	3.57	13	PASS
Band5	4182	4	3.62	13	PASS
Band5	4233	1	3.16	13	PASS
Band5	4233	2	3.42	13	PASS
Band5	4233	3	3.68	13	PASS
Band5	4233	4	3.74	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.06	13	PASS
Band2	9262	2	5.1	13	PASS
Band2	9262	3	4.64	13	PASS
Band2	9262	4	5.28	13	PASS
Band2	9262	5	3.86	13	PASS
Band2	9400	1	4.26	13	PASS
Band2	9400	2	3.01	13	PASS
Band2	9400	3	3.48	13	PASS
Band2	9400	4	3.01	13	PASS
Band2	9400	5	10.78	13	PASS
Band2	9538	1	6.55	13	PASS
Band2	9538	2	3.07	13	PASS
Band2	9538	3	3.57	13	PASS
Band2	9538	4	3.1	13	PASS
Band2	9538	5	8.49	13	PASS
Band4	1312	1	4.14	13	PASS
Band4	1312	2	5.33	13	PASS
Band4	1312	3	4.93	13	PASS
Band4	1312	4	5.45	13	PASS
Band4	1312	5	4.17	13	PASS

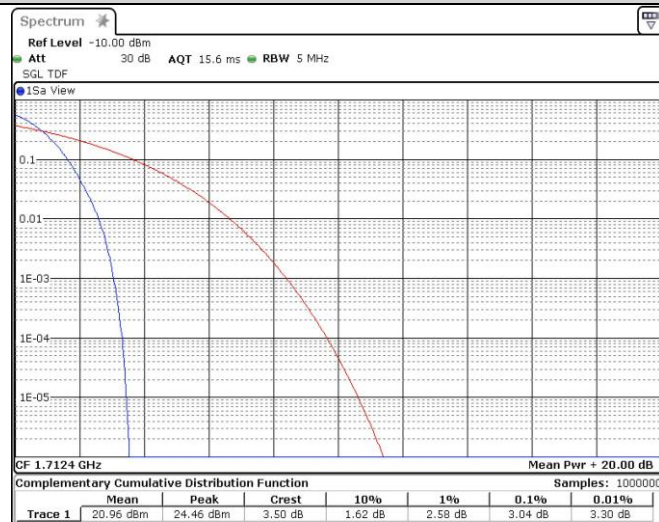
Band4	1413	1	4.32	13	PASS
Band4	1413	2	3.16	13	PASS
Band4	1413	3	3.62	13	PASS
Band4	1413	4	3.04	13	PASS
Band4	1413	5	9.54	13	PASS
Band4	1513	1	4.52	13	PASS
Band4	1513	2	3.28	13	PASS
Band4	1513	3	3.68	13	PASS
Band4	1513	4	3.33	13	PASS
Band4	1513	5	8.78	13	PASS
Band5	4132	1	4.38	13	PASS
Band5	4132	2	5.39	13	PASS
Band5	4132	3	4.93	13	PASS
Band5	4132	4	5.54	13	PASS
Band5	4132	5	4.52	13	PASS
Band5	4182	1	4.49	13	PASS
Band5	4182	2	3.28	13	PASS
Band5	4182	3	4.14	13	PASS
Band5	4182	4	3.68	13	PASS
Band5	4182	5	7.19	13	PASS
Band5	4233	1	6.52	13	PASS
Band5	4233	2	3.25	13	PASS
Band5	4233	3	3.77	13	PASS
Band5	4233	4	3.25	13	PASS
Band5	4233	5	8.61	13	PASS

Test Graphs

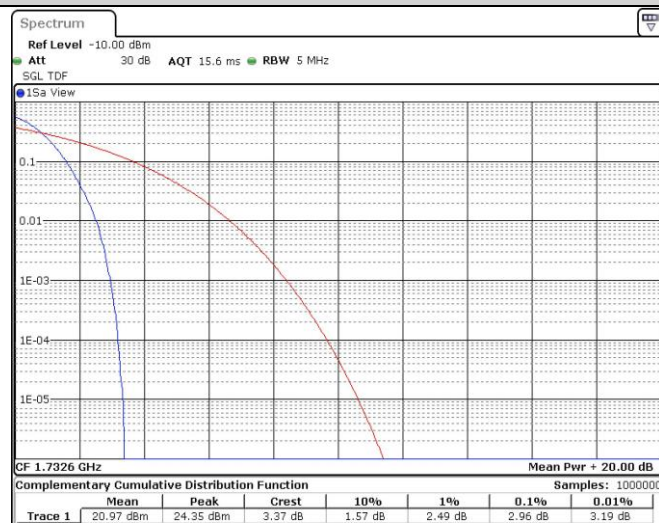




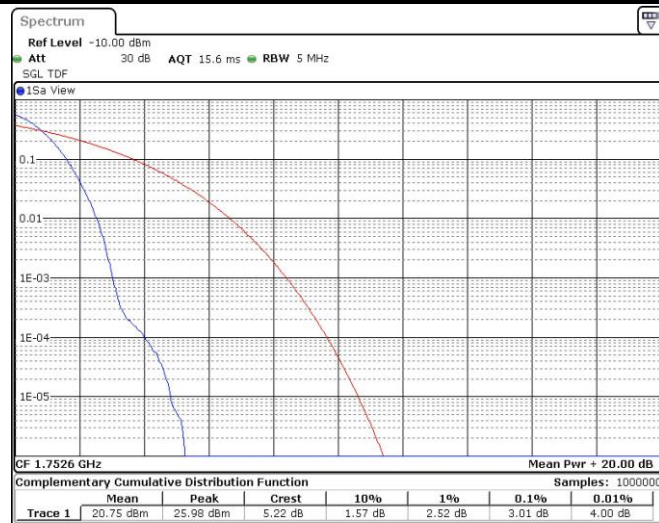
Band4-1312



Band4-1413



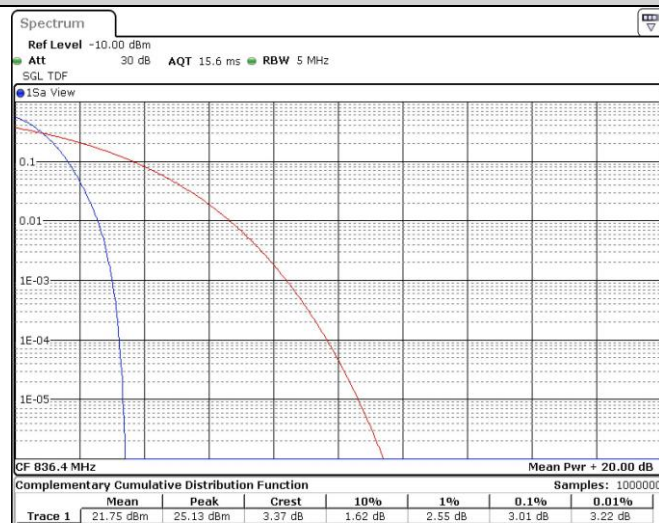
Band4-1513



Band5-4132



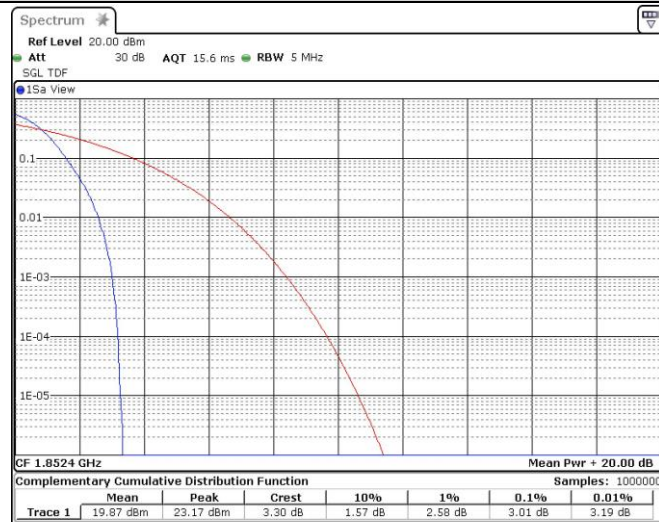
Band5-4182



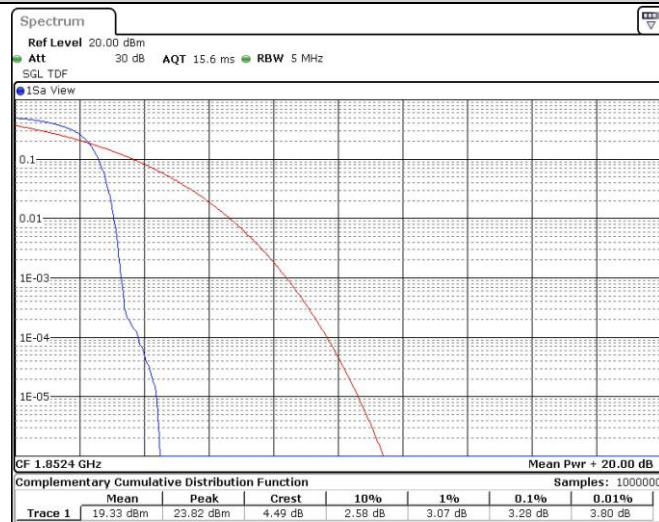
Band5-4233



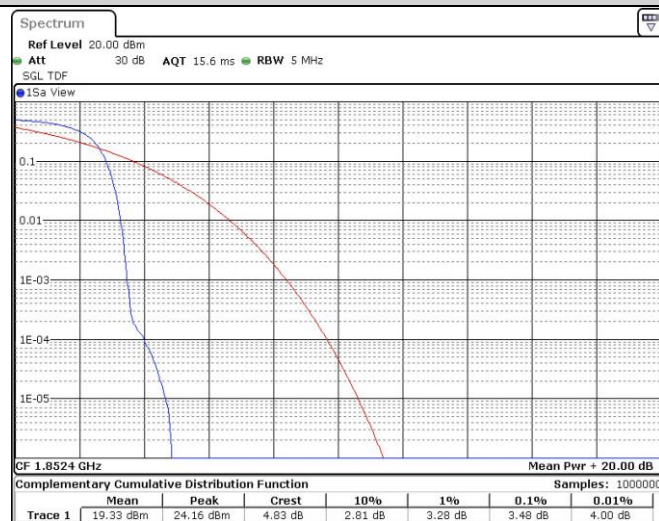
Band2-9262-1



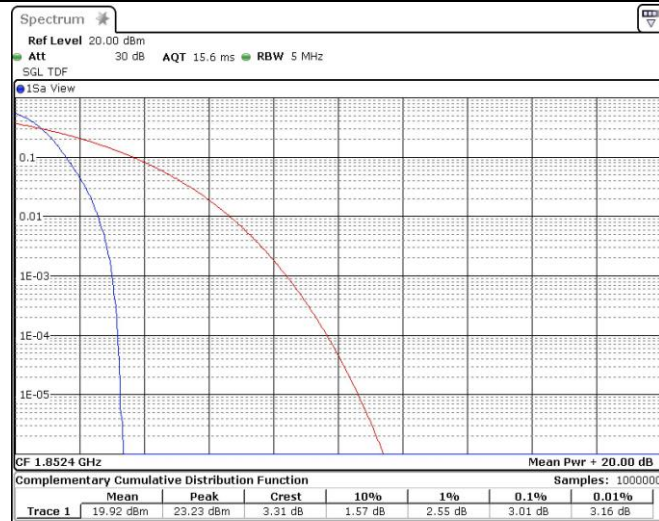
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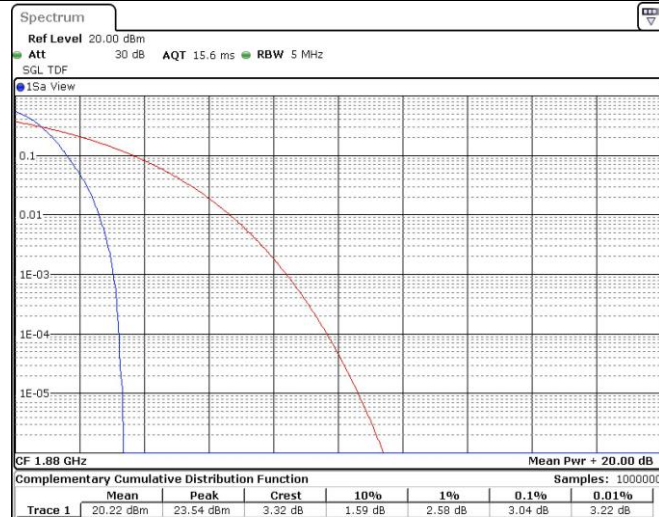
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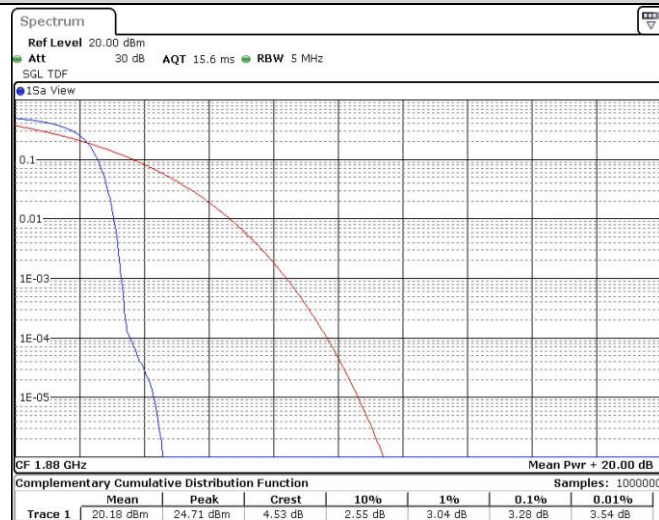
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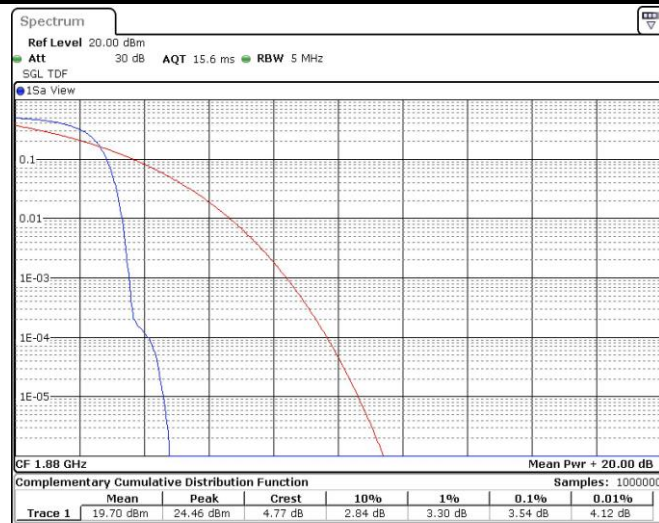
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Band2-9400-2



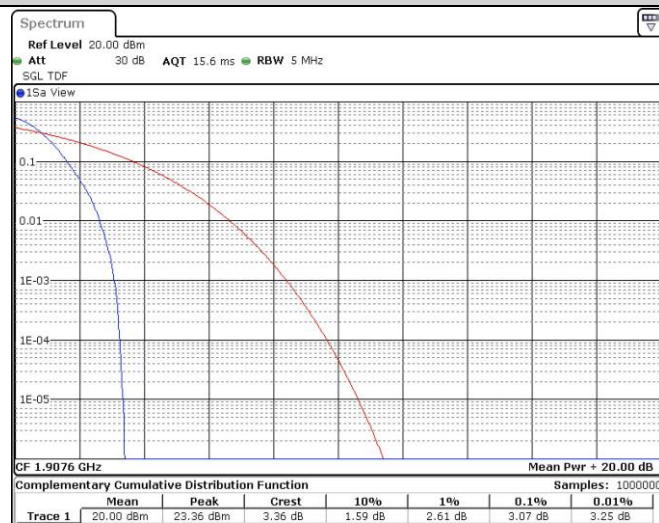
Band2-9400-3



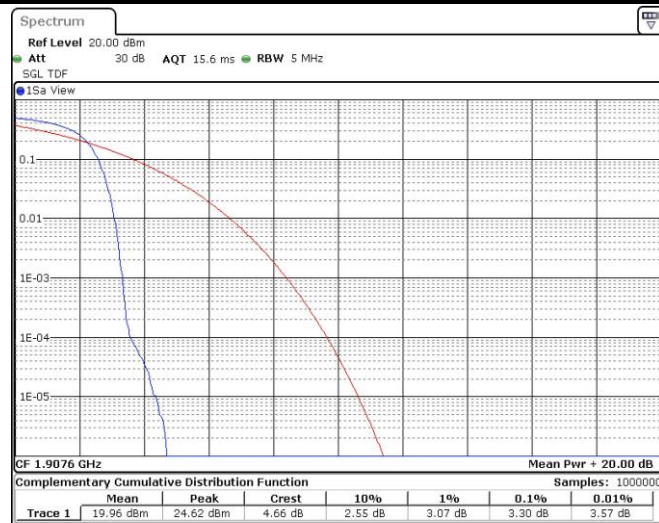
Band2-9400-4



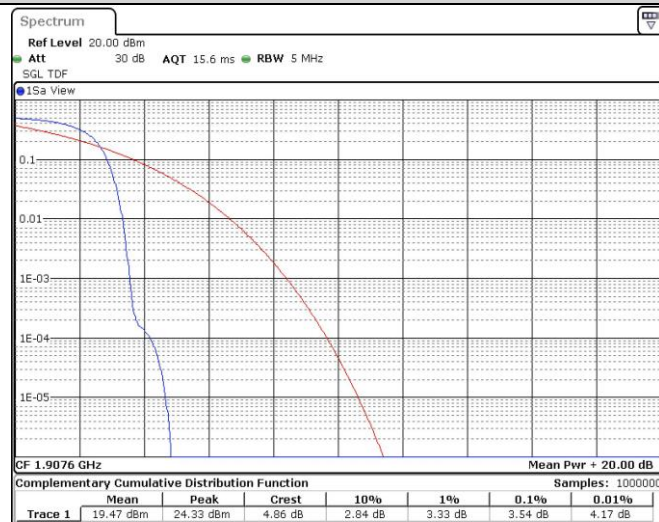
Band2-9538-1



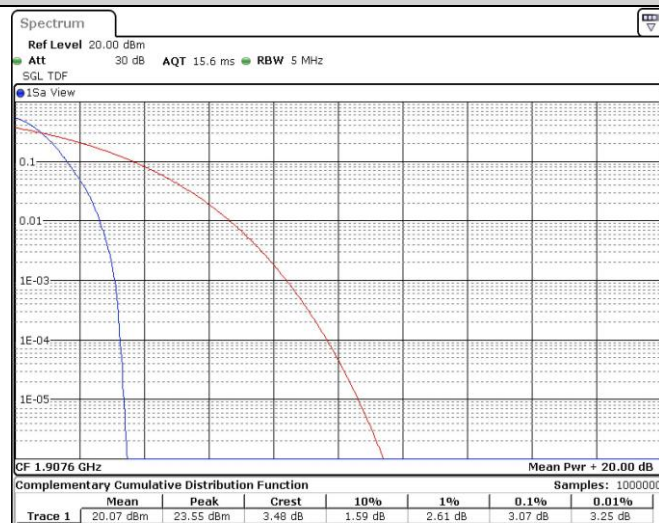
Band2-9538-2



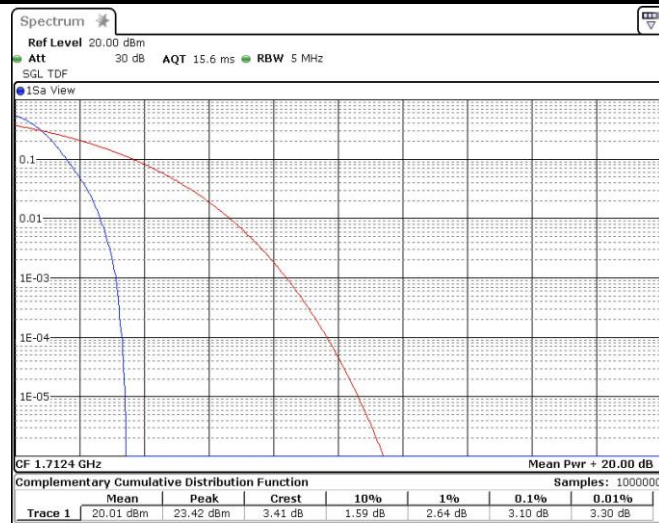
Band2-9538-3



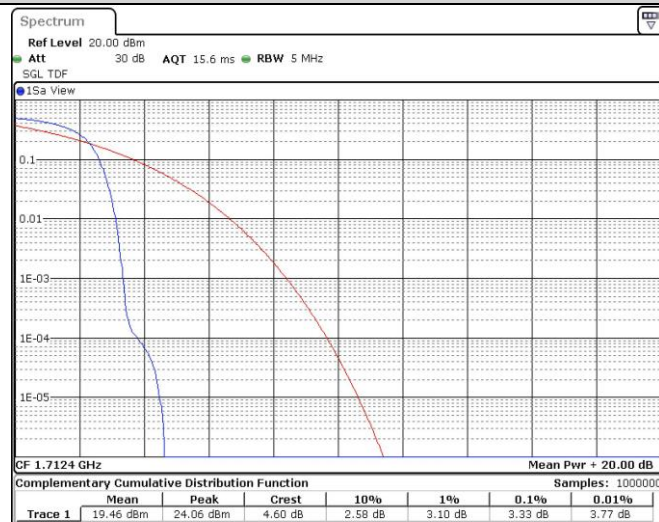
Band2-9538-4



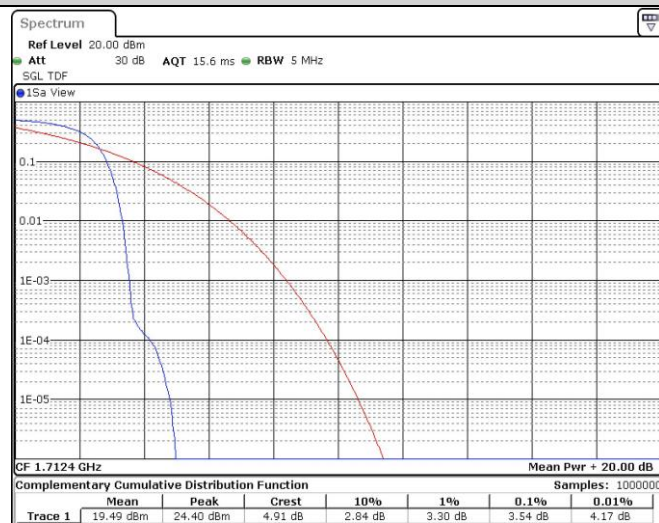
Band4-1312-1



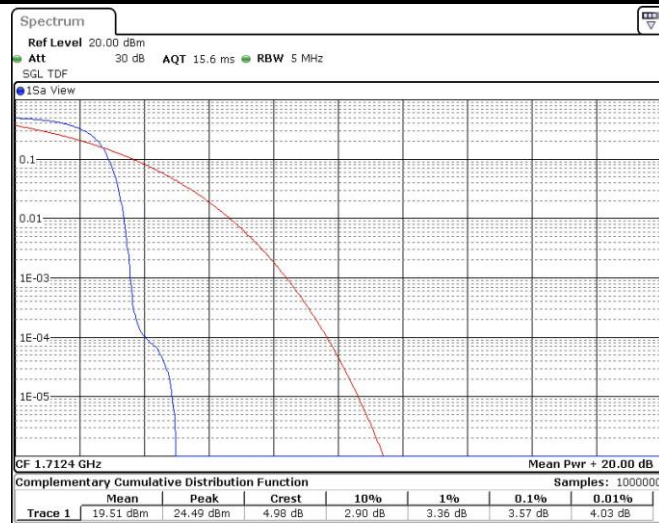
Band4-1312-2



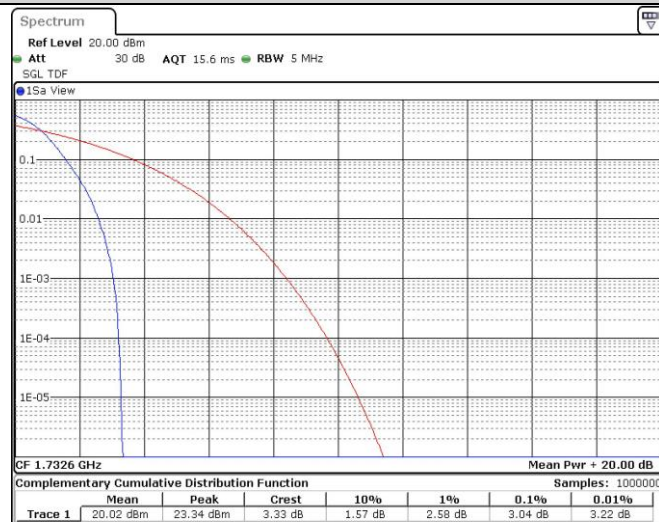
Band4-1312-3



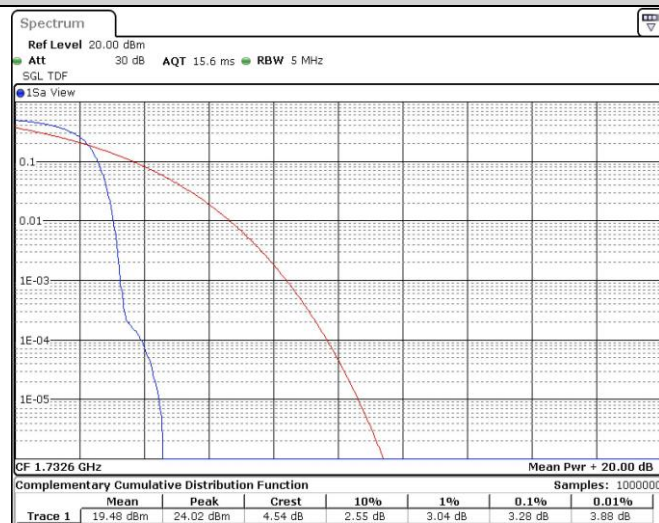
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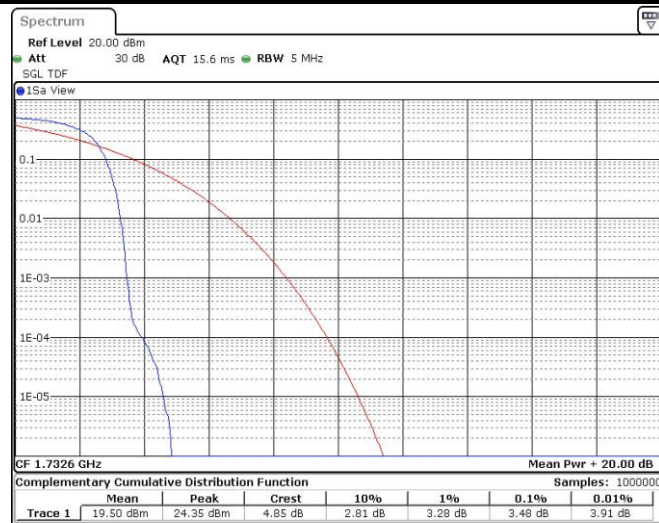
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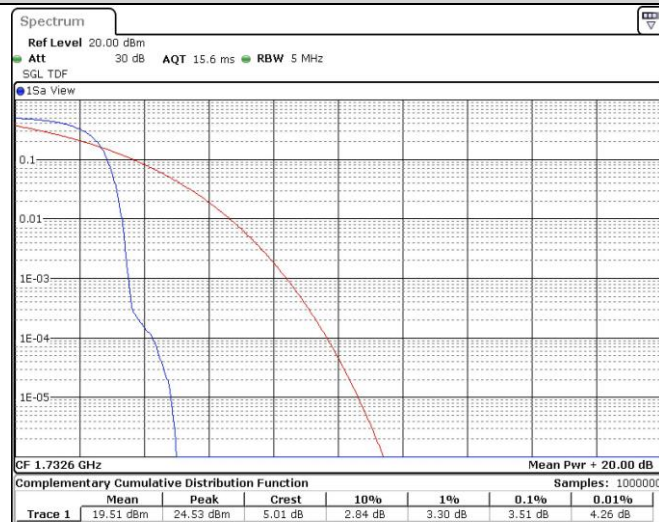
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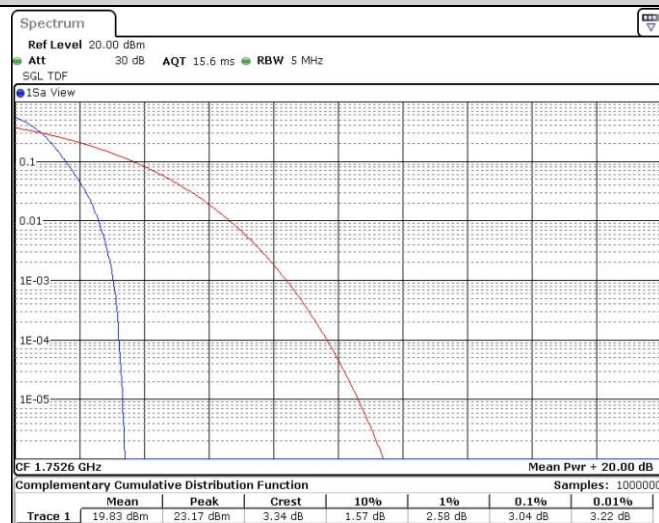
Band4-1413-3



Band4-1413-4



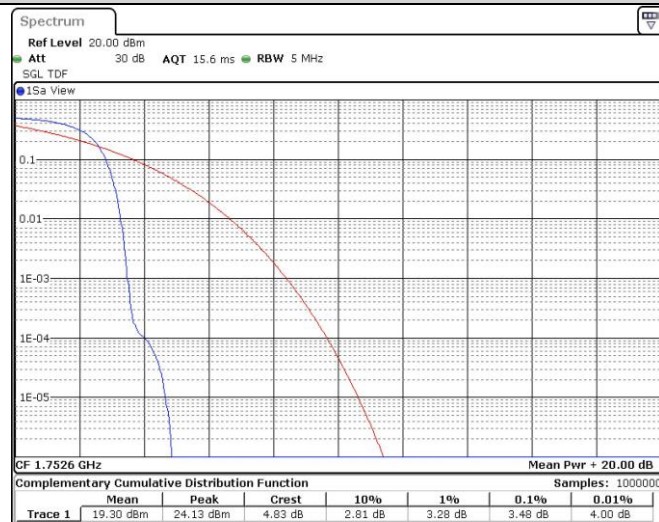
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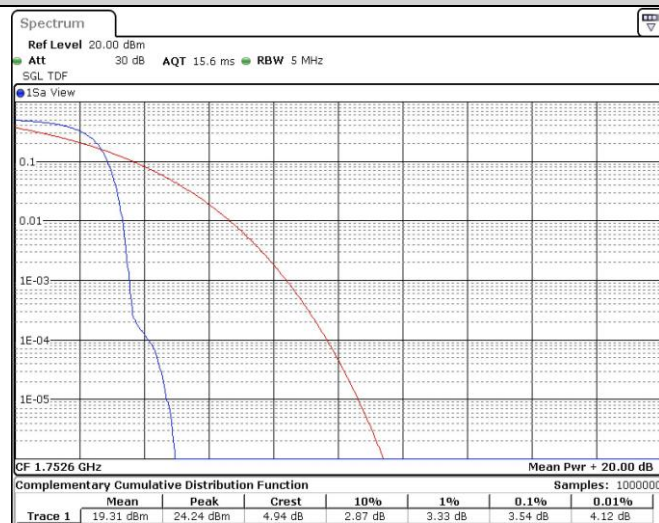
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Band4-1513-3



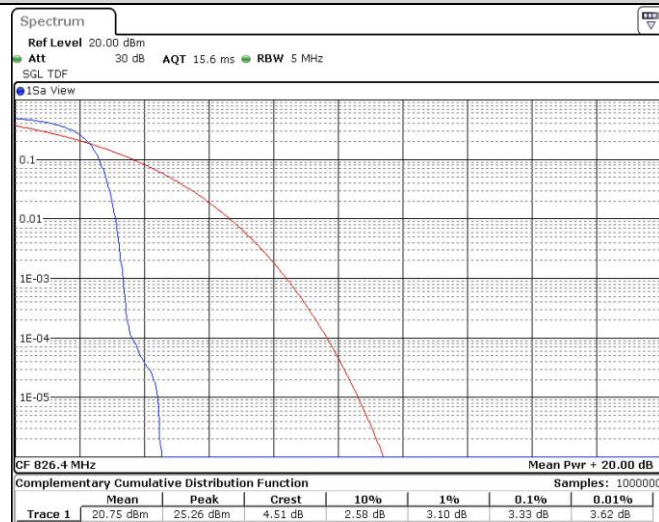
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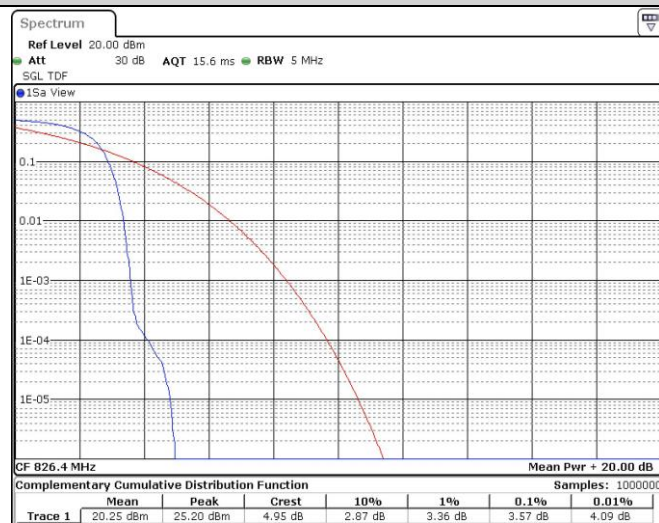
Band5-4132-1



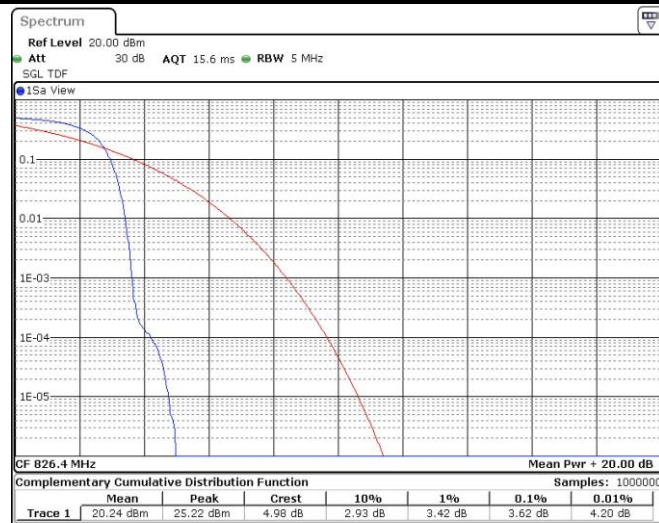
Band5-4132-2



Band5-4132-3



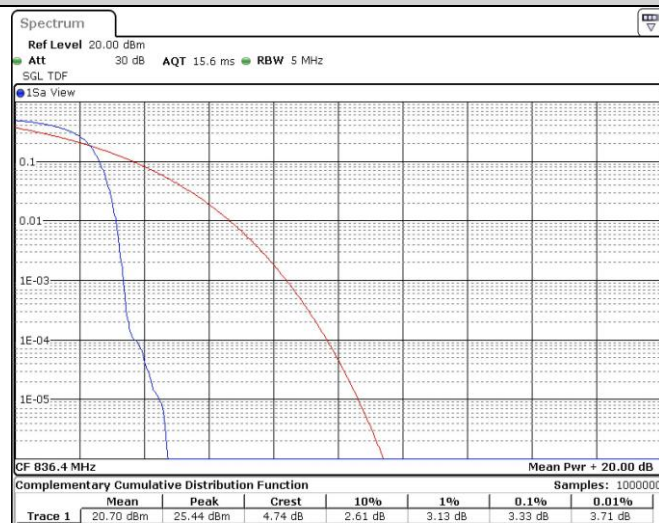
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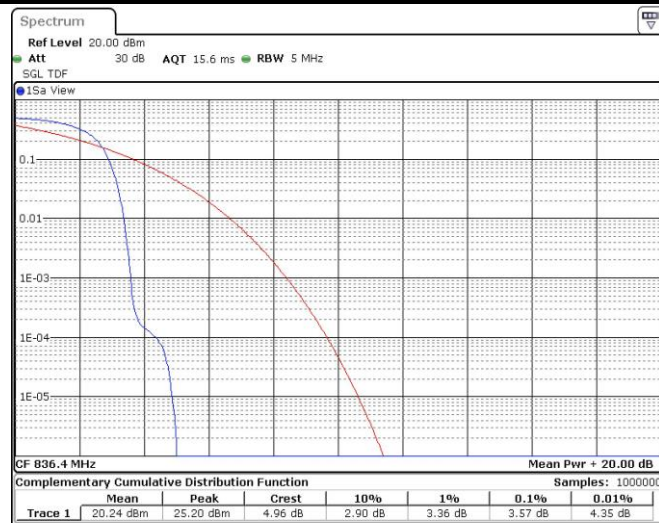
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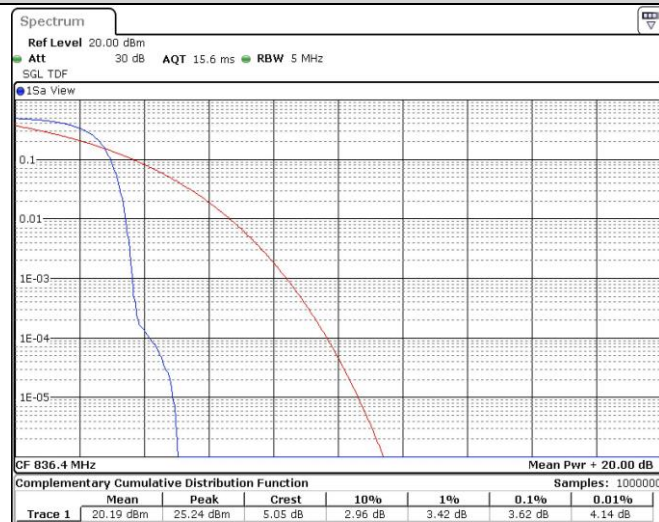
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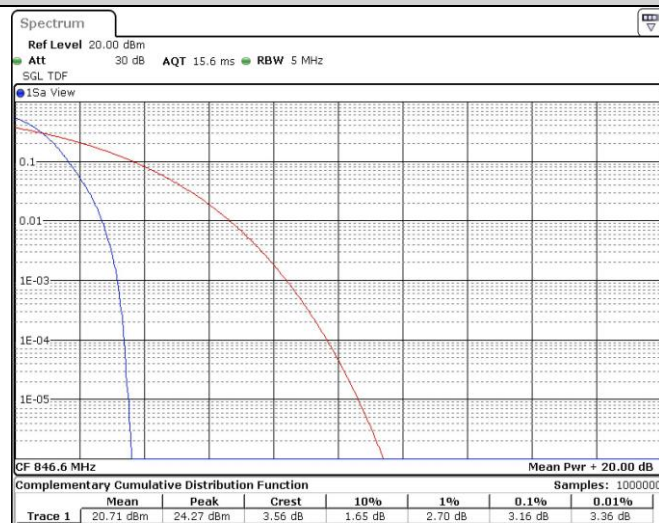
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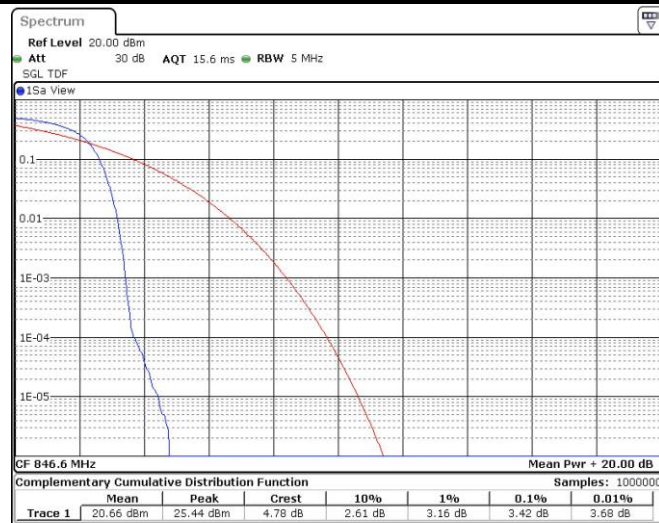
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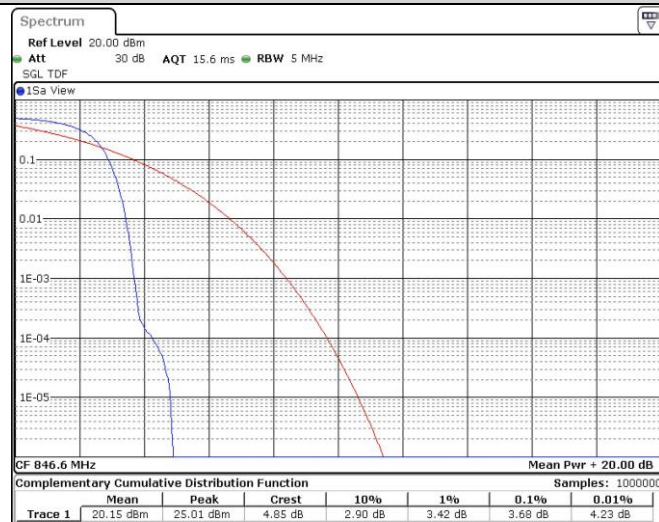
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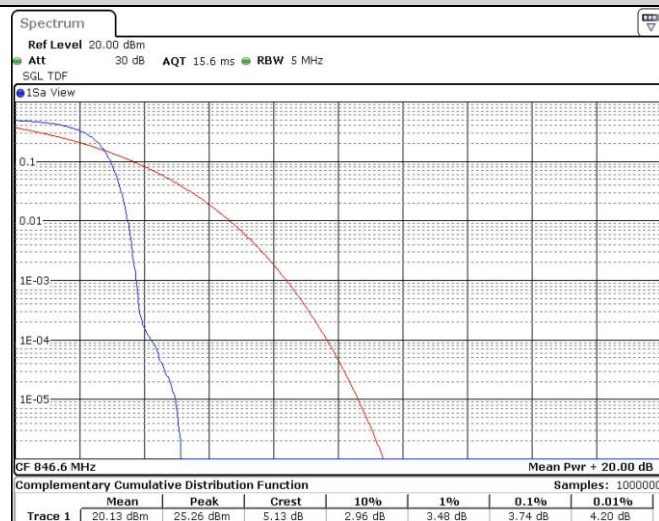
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Band5-4233-3



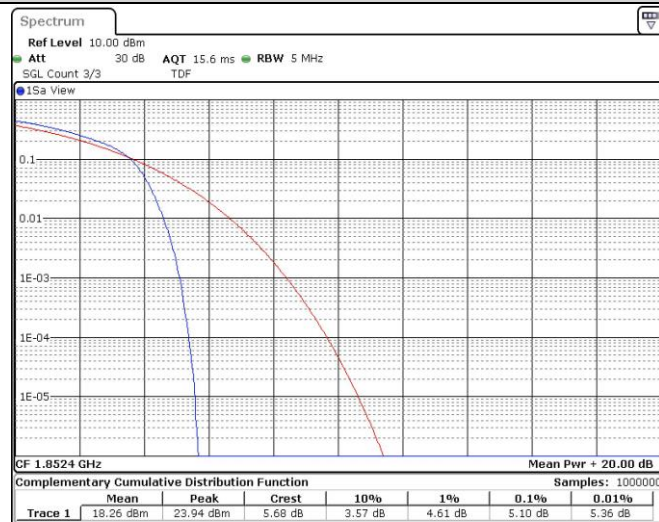
Band5-4233-4



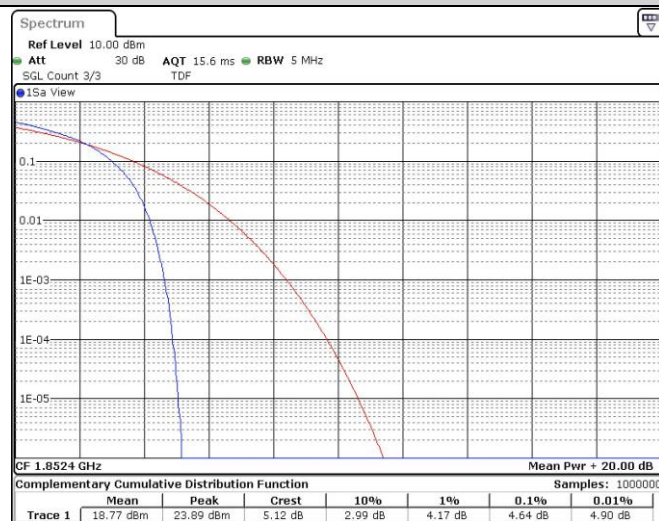
Band2-9262-1



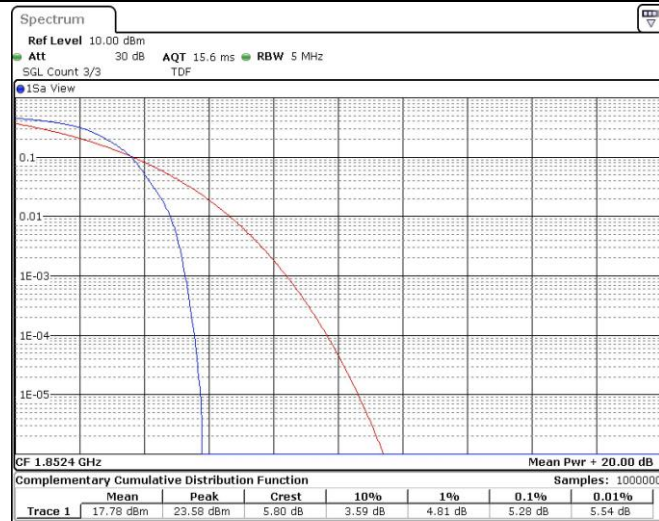
Band2-9262-2



Band2-9262-3



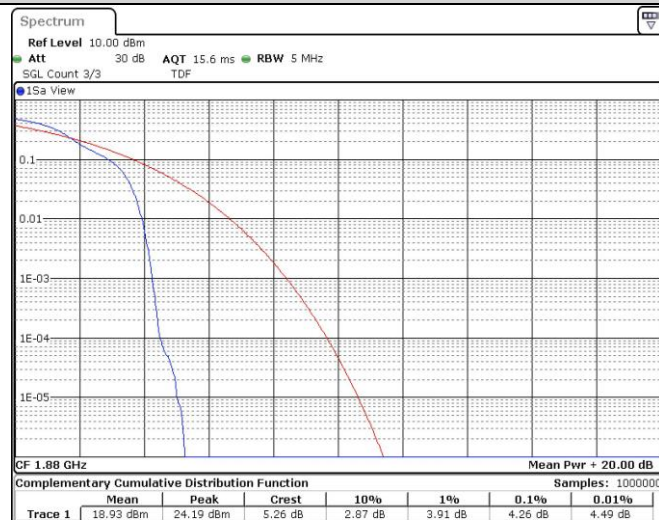
Band2-9262-4



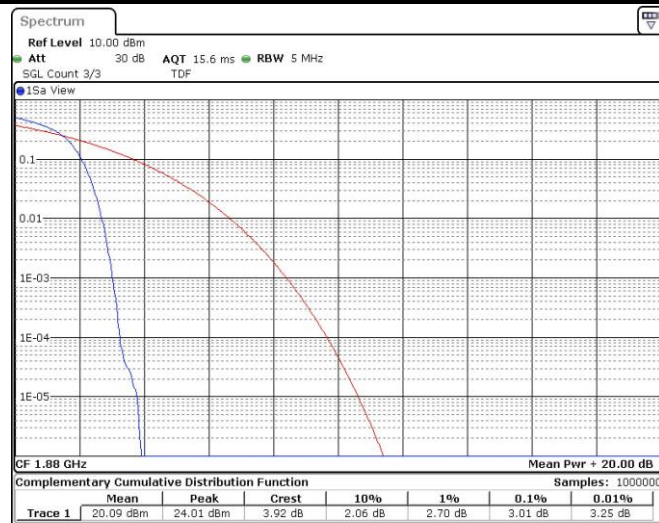
Band2-9262-5



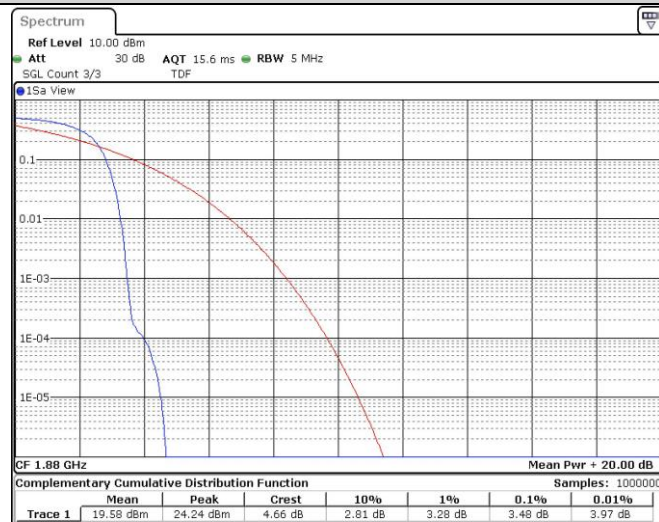
Band2-9400-1



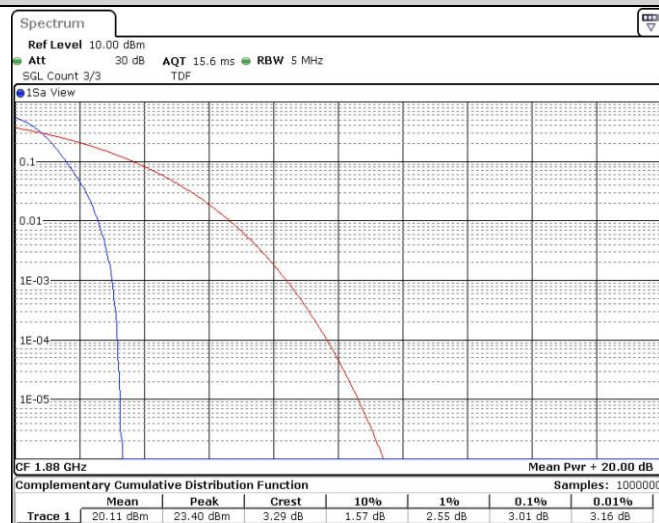
Band2-9400-2



Band2-9400-3



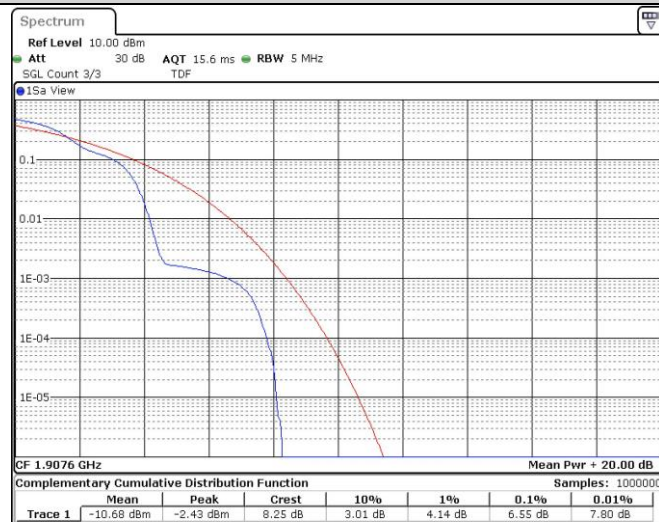
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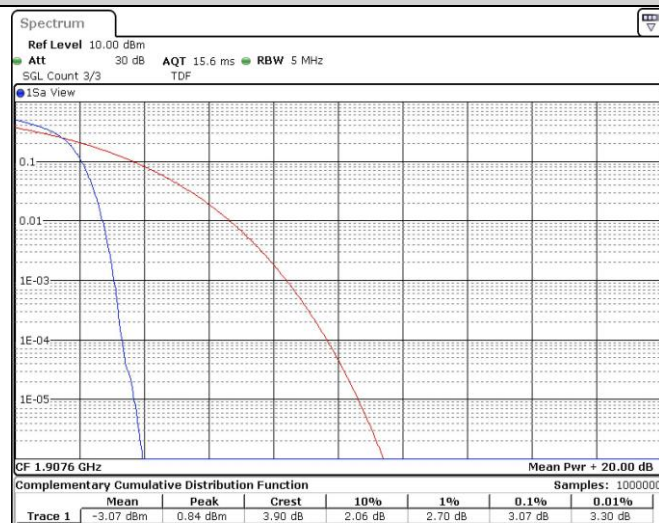
Band2-9400-5



Band2-9538-1



Band2-9538-2



Band2-9538-3