

# **Appendix for LTE band 41**

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**Product Name: 5G Wireless Data Terminal**

**Model: GLMU21A01**

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## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.89	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.03	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.90	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.99	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.18	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.90	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.03	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.02	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.12	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.29	PASS
Band41	5MHz	QPSK	40620	12RB#13	22.35	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.98	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.95	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.04	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.88	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.99	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.03	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.09	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.93	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.04	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.05	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.96	PASS
Band41	5MHz	16QAM	39675	12RB#6	22.06	PASS
Band41	5MHz	16QAM	39675	12RB#13	22.11	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.94	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.29	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.27	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.39	PASS

Band41	5MHz	16QAM	40620	12RB#0	22.16	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.28	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.39	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.96	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.85	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.97	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.90	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.93	PASS
Band41	5MHz	16QAM	41565	12RB#6	22.03	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.94	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.04	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.80	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.82	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.83	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.91	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.91	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.84	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.83	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.97	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.91	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.01	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.03	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.02	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.92	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.96	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.89	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.06	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.04	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.05	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.02	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.94	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.98	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.05	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.91	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.90	PASS

Band41	10MHz	16QAM	39700	25RB#25	21.83	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.82	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.86	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.86	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.84	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.99	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.02	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.03	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.99	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.84	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.72	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.78	PASS
Band41	10MHz	16QAM	41540	25RB#0	22.05	PASS
Band41	10MHz	16QAM	41540	25RB#12	22.03	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.98	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.07	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.32	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.35	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.38	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.48	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.52	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.54	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.55	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.42	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.40	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.39	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.78	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.67	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.73	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.54	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.59	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.51	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.53	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.49	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.41	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.42	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.65	PASS

Band41	15MHz	16QAM	39725	1RB#0	21.50	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.56	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.51	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.49	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.52	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.56	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.44	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.70	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.77	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.80	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.71	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.66	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.78	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.58	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.51	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.44	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.44	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.43	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.40	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.40	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.69	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.41	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.46	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.48	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.55	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.52	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.49	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.49	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.55	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.57	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.65	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.64	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.64	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.63	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.56	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.54	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.45	PASS

Band41	20MHz	QPSK	41490	1RB#99	22.49	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.68	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.63	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.54	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.63	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.37	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.42	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.43	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.58	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.57	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.48	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.44	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.85	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.82	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.96	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.67	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.69	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.66	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.59	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.44	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.40	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.35	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.66	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.71	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.56	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.63	PASS

## Appendix B: Peak-to-Average Ratio(CCDF)

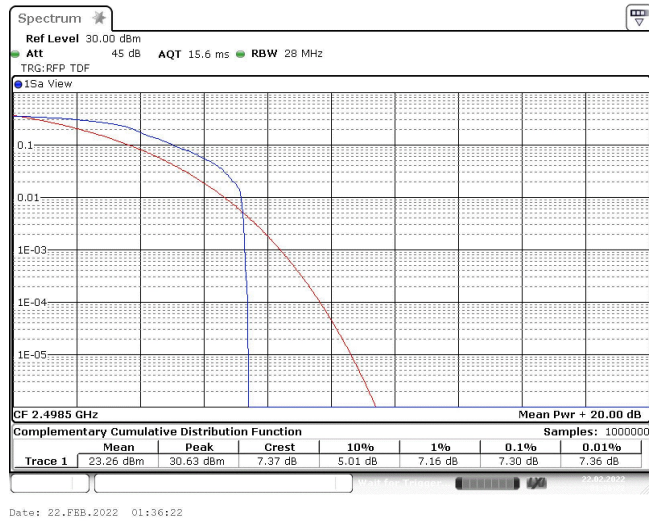
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	7.30	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.96	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	7.45	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.99	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.33	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.75	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.57	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.71	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.25	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.62	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.01	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.62	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.49	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.87	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.45	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.78	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.33	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.75	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.48	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.71	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.74	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.65	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.22	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.59	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.46	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.01	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	9.74	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.01	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.36	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.93	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.42	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.74	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.39	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.74	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.30	13	PASS

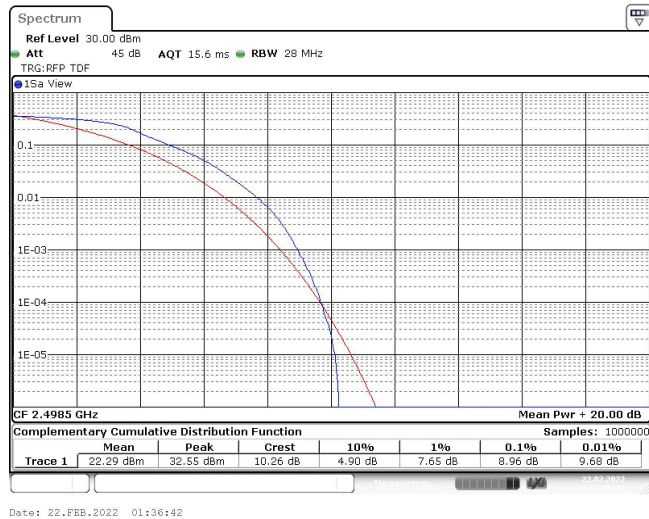


Band41	15MHz	16QAM	41515	75RB#0	9.68	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	5.71	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.70	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	9.54	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.75	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.39	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.61	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.25	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.54	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.48	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.54	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.25	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.48	13	PASS

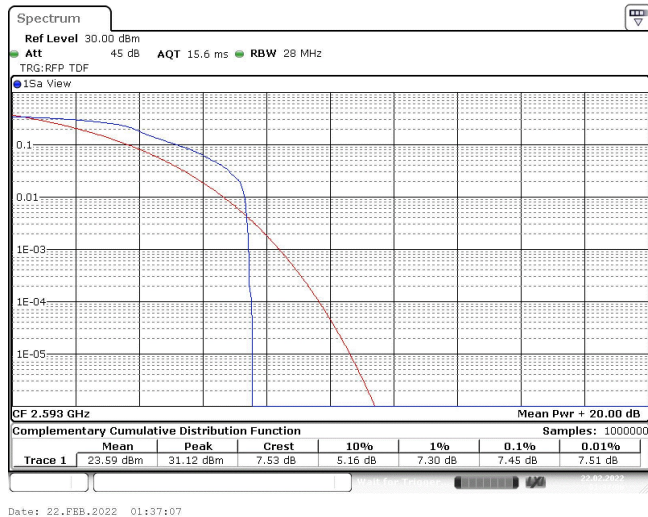
# Test Graphs



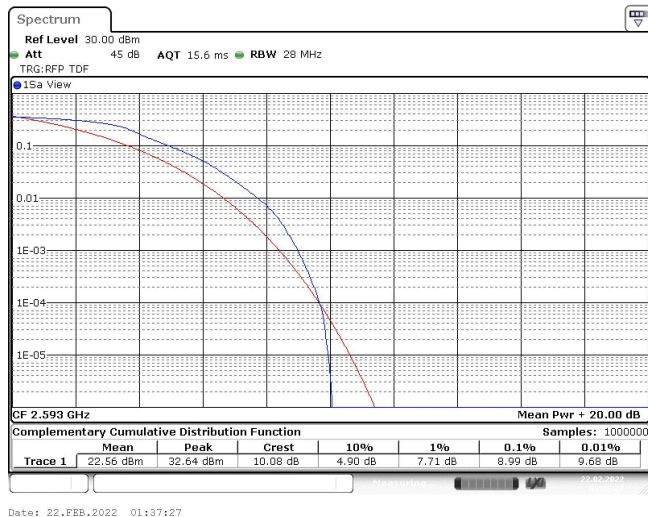
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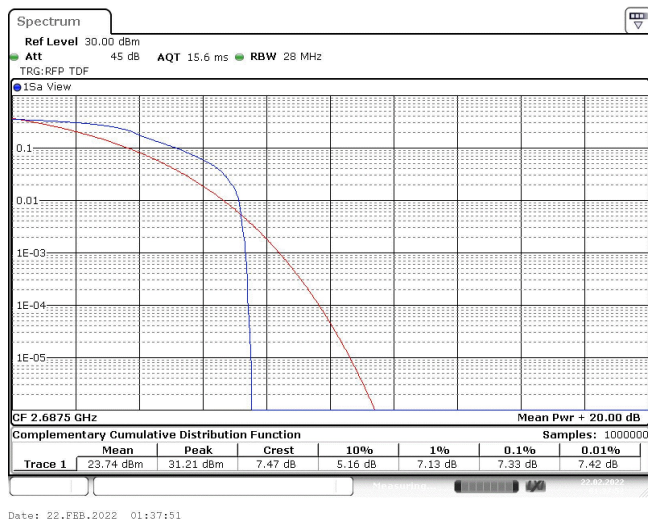
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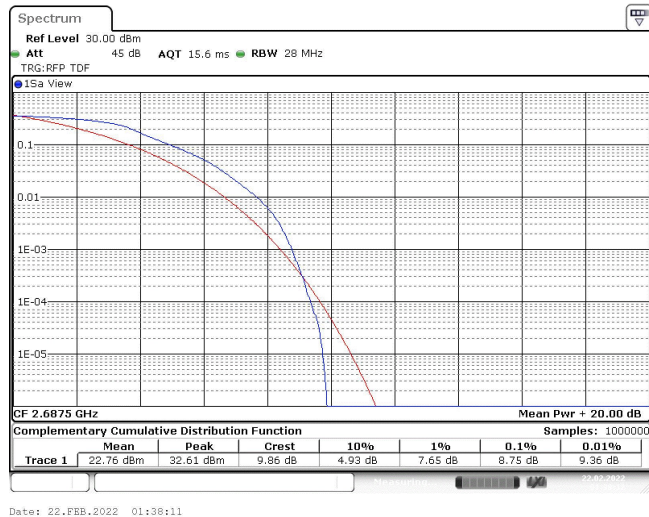
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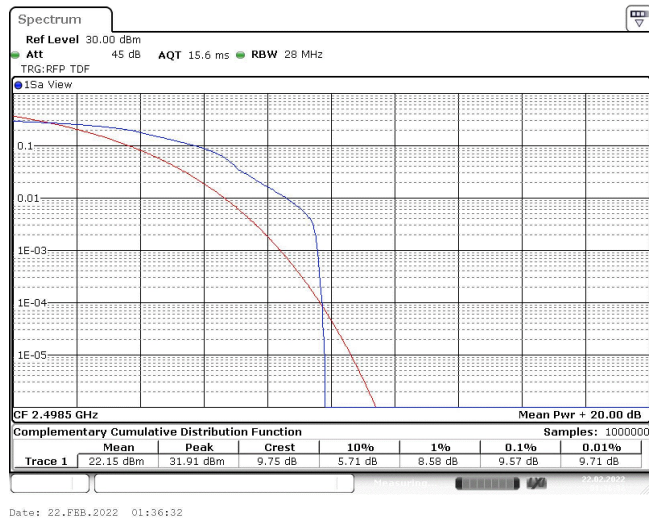
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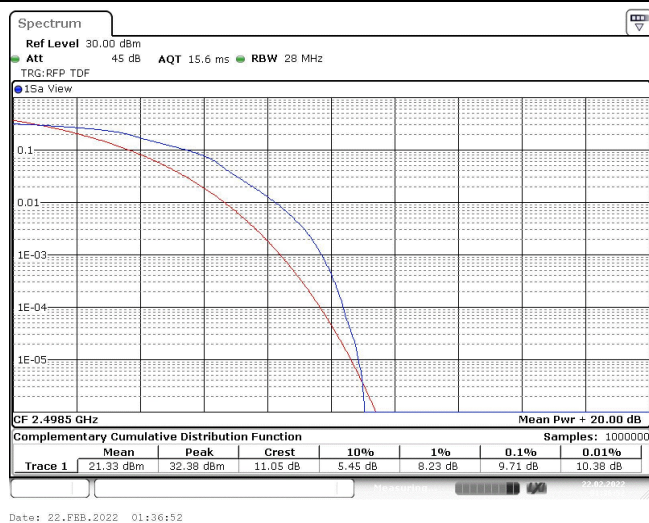
Band41-5MHz-QPSK-41565-1RB#0



### Band41-5MHz-QPSK-41565-25RB#0



### Band41-5MHz-16QAM-39675-1RB#0



### Band41-5MHz-16QAM-39675-25RB#0