



Report No.: SEWA2205000015RG01

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Appendix B.14

LTE Band 41



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**Effective (Isotropic) Radiated Power Output Data****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.4	24.98	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.38	24.96	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.4	24.98	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.51	24.09	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.51	25.09	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.45	25.03	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.4	24.98	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.61	24.19	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.21	24.79	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.19	24.77	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.17	24.75	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.35	23.93	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.78	24.36	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.71	24.29	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.75	24.33	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.62	22.2	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.86	24.44	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.8	24.38	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.74	24.32	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.64	23.22	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.57	24.15	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.55	24.13	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.51	24.09	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.38	22.96	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	21.57	23.15	33	PASS
Band41	5MHz	64QAM	39675	1RB#12	21.48	23.06	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	21.55	23.13	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	20.65	22.23	33	PASS



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Band41	5MHz	64QAM	40620	1RB#0	21.61	23.19	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	21.61	23.19	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	21.52	23.1	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	20.69	22.27	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	21.34	22.92	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	21.31	22.89	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	21.3	22.88	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	20.43	22.01	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.43	25.01	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.38	24.96	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.4	24.98	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.58	24.16	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.54	25.12	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.48	25.06	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.36	24.94	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.62	24.2	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.96	24.54	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.21	24.79	33	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.92	24.5	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.21	23.79	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.77	24.35	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.74	24.32	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.75	24.33	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.65	22.23	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.89	24.47	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.84	24.42	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.74	24.32	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.67	23.25	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.32	23.9	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.57	24.15	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.29	23.87	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.26	22.84	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	21.61	23.19	33	PASS



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Band41	10MHz	64QAM	39700	1RB#24	21.47	23.05	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	21.55	23.13	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	20.63	22.21	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	21.69	23.27	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.55	23.13	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	21.53	23.11	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	20.68	22.26	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	21.06	22.64	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	21.34	22.92	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	21.09	22.67	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	20.26	21.84	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.27	24.85	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.29	24.87	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.36	24.94	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.56	24.14	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.4	24.98	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.33	24.91	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.35	24.93	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.62	24.2	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.9	24.48	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.15	24.73	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.1	24.68	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.19	23.77	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.69	24.27	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.72	24.3	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.72	24.3	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.63	23.21	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.82	24.4	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.69	24.27	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.69	24.27	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.61	23.19	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.21	23.79	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.52	24.1	33	PASS



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Band41	15MHz	16QAM	41515	1RB#74	22.46	24.04	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.2	22.78	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	21.31	22.89	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	21.42	23	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	21.44	23.02	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	20.64	22.22	33	PASS
Band41	15MHz	64QAM	40620	1RB#0	21.53	23.11	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	21.49	23.07	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	21.42	23	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	20.61	22.19	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	20.91	22.49	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	21.24	22.82	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	21.22	22.8	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	20.23	21.81	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.31	24.89	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.29	24.87	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.35	24.93	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.6	24.18	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.5	25.08	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.34	24.92	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.34	24.92	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.61	24.19	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.75	24.33	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.13	24.71	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.03	24.61	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.16	23.74	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.61	24.19	33	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.63	24.21	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.72	24.3	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.67	23.25	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.86	24.44	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.7	24.28	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.6	24.18	33	PASS



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Band41	20MHz	16QAM	40620	100RB#0	21.64	23.22	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.09	23.67	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.47	24.05	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.34	23.92	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.2	22.78	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	21.35	22.93	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	21.42	23	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	21.43	23.01	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	20.65	22.23	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	21.63	23.21	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	21.49	23.07	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	21.39	22.97	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	20.64	22.22	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	20.79	22.37	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	21.28	22.86	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	21.13	22.71	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	20.2	21.78	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	9.00	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.96	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.04	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.66	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.52	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.62	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	10.04	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.94	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	10.18	13	PASS



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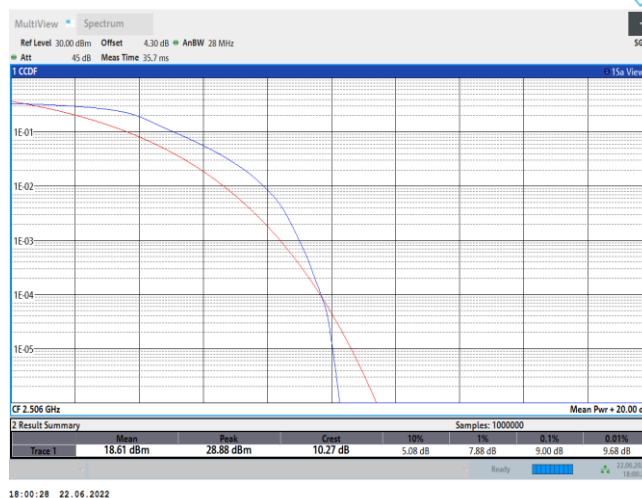
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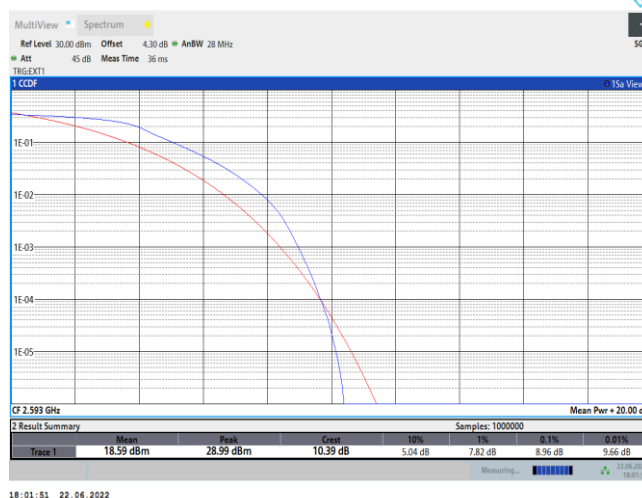
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Test Graphs

Band41-20MHz-QPSK-39750-100RB#0



Band41-20MHz-QPSK-40620-100RB#0



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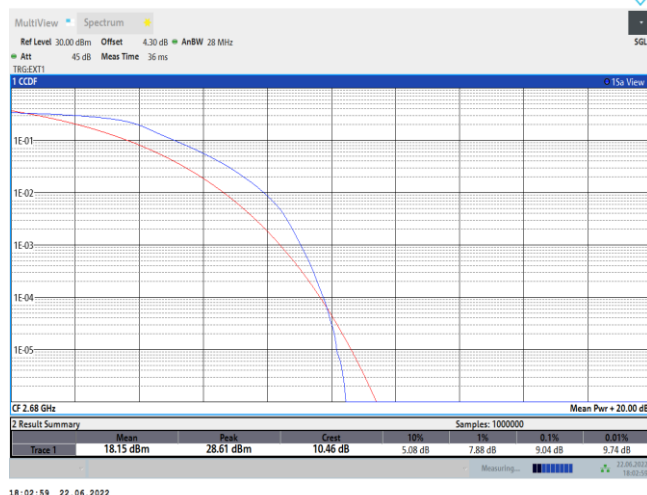
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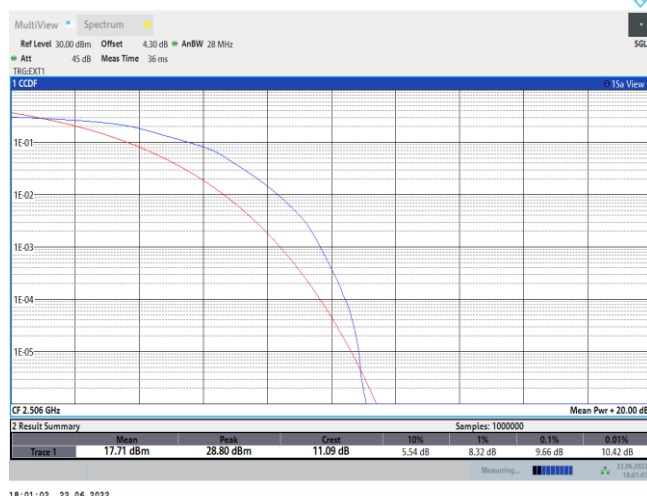
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Band41-20MHz-QPSK-41490-100RB#0



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Band41-20MHz-16QAM-39750-100RB#0



18:01:02 22.06.2022



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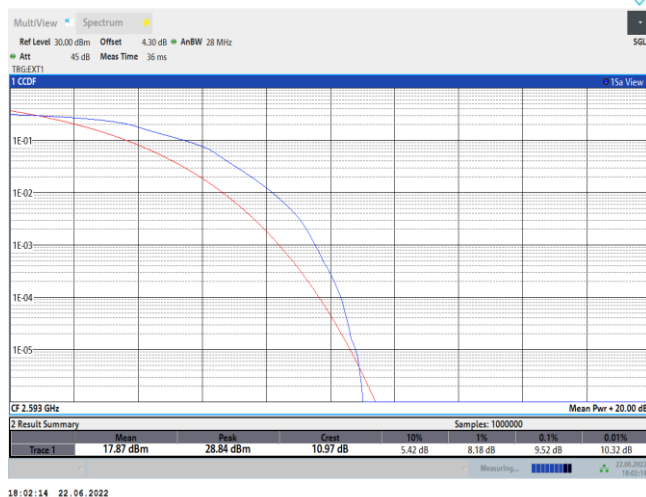
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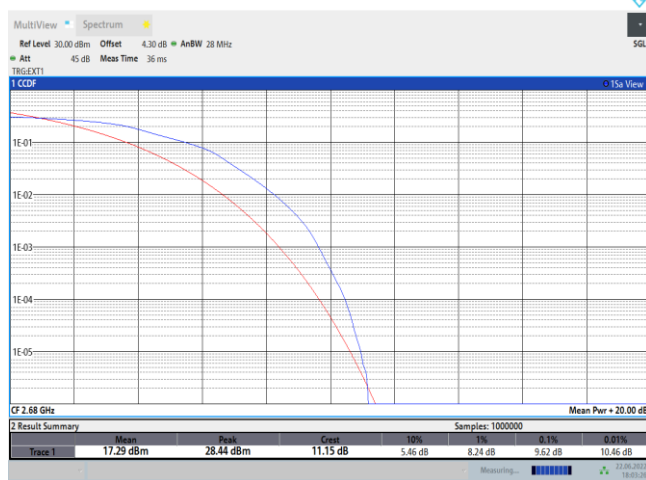
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Band41-20MHz-16QAM-40620-100RB#0



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Band41-20MHz-16QAM-41490-100RB#0



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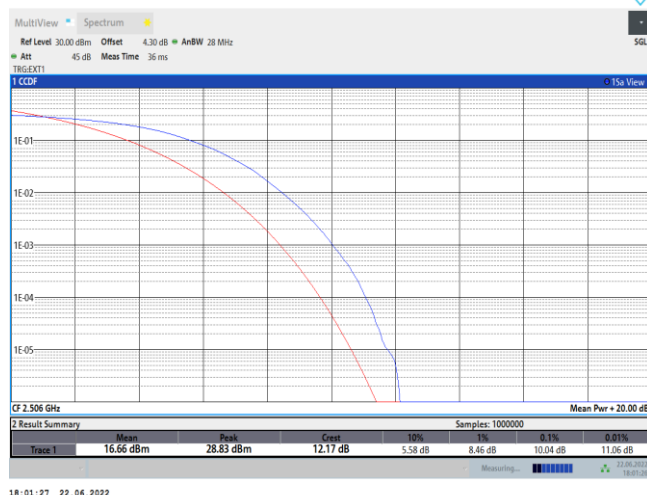
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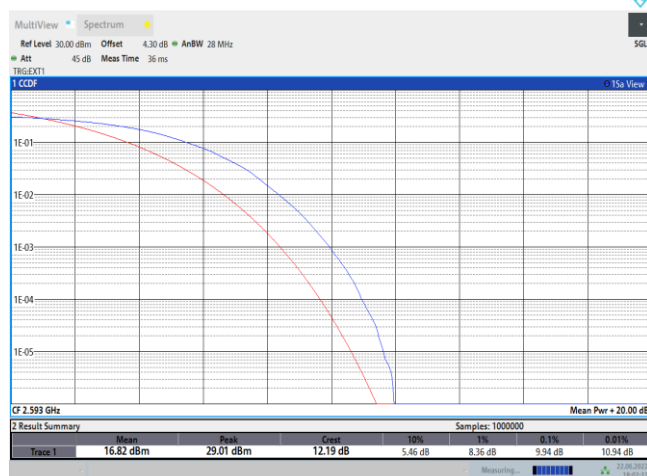
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Band41-20MHz-64QAM-39750-100RB#0



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Band41-20MHz-64QAM-40620-100RB#0



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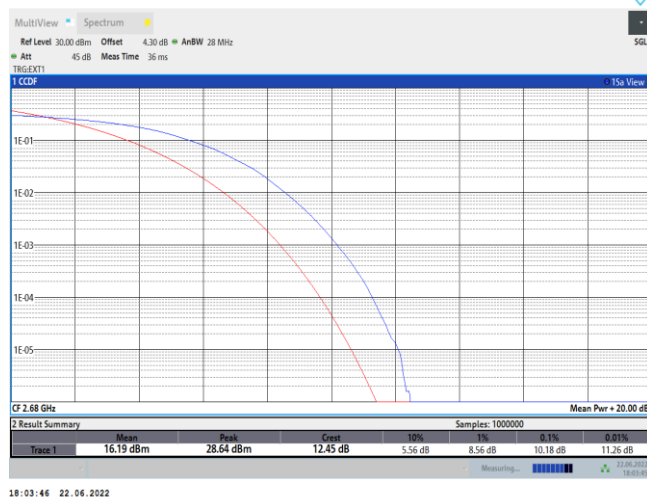
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Band41-20MHz-64QAM-41490-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band41	20MHz	QPSK	40620	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40620	100RB#0	PASS	PASS
Band41	20MHz	64QAM	40620	100RB#0	PASS	PASS



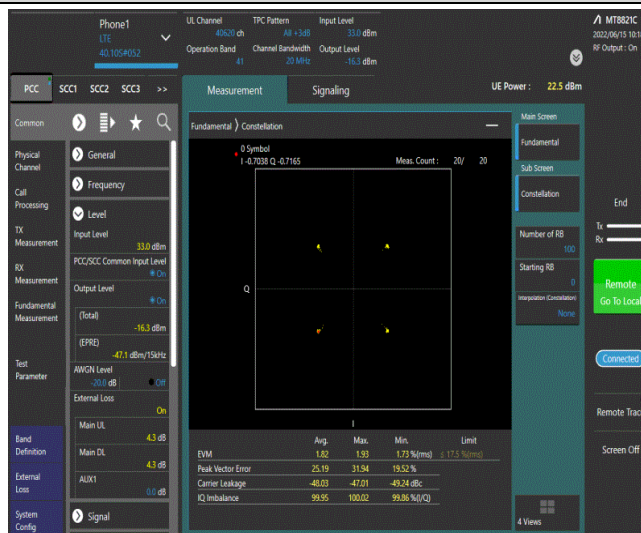
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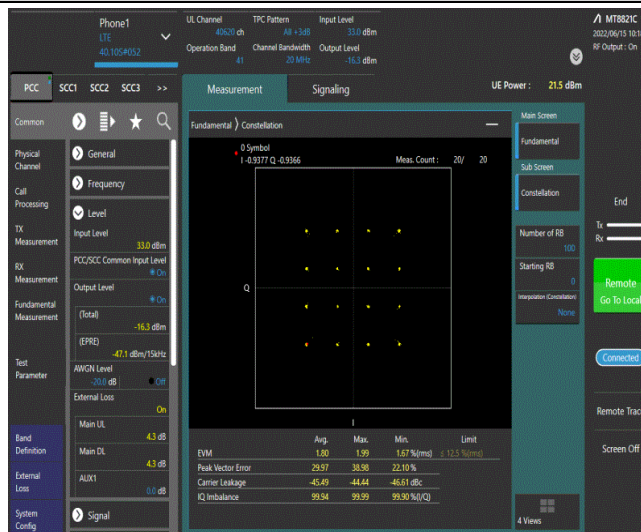
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Test Graphs

Band41-20MHz-QPSK-40620-100RB#0

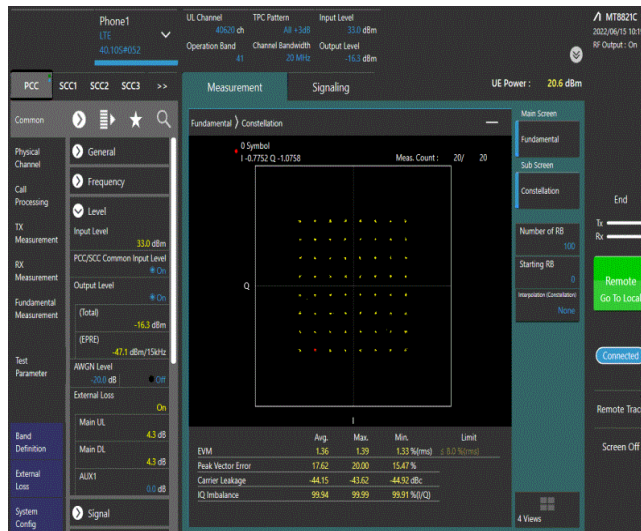


Band41-20MHz-16QAM-40620-100RB#0



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Band41-20MHz-64QAM-40620-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.468	4.86	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.471	4.85	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.475	4.85	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.467	4.88	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.464	4.87	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.460	4.87	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.477	4.84	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.477	4.85	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.471	4.85	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.70	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.908	9.72	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.912	9.70	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.916	9.56	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.922	9.56	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.907	9.58	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.919	9.70	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.923	9.64	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.917	9.68	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.471	14.79	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.484	14.79	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.462	14.76	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.451	14.70	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.466	14.73	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.449	14.82	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.437	14.67	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.417	14.73	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.419	14.64	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.899	19.28	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.884	19.36	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.854	19.28	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.833	21.64	PASS



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Band41	20MHz	16QAM	40620	100RB#0	17.832	19.40	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.845	19.44	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.848	19.40	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.844	19.44	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.849	19.24	PASS



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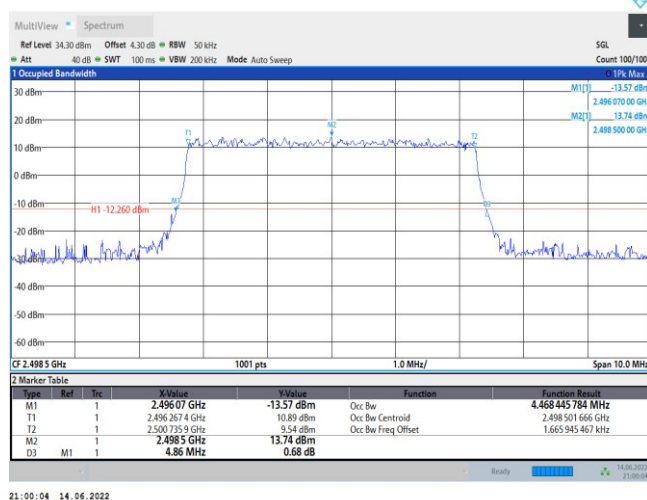
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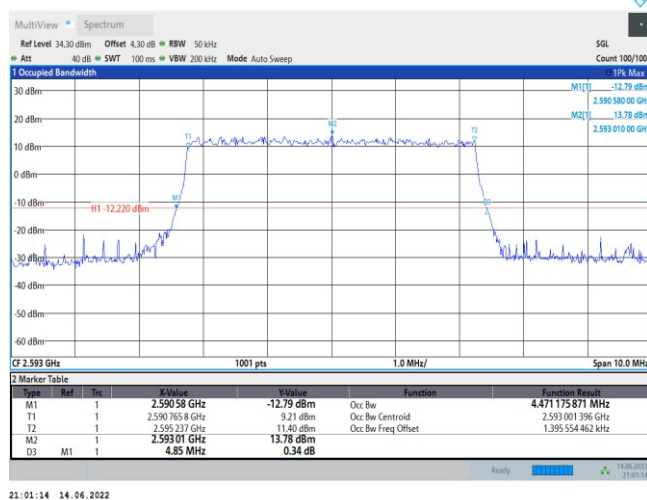
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Test Graphs

Band41-5MHz-QPSK-39675-25RB#0



Band41-5MHz-QPSK-40620-25RB#0



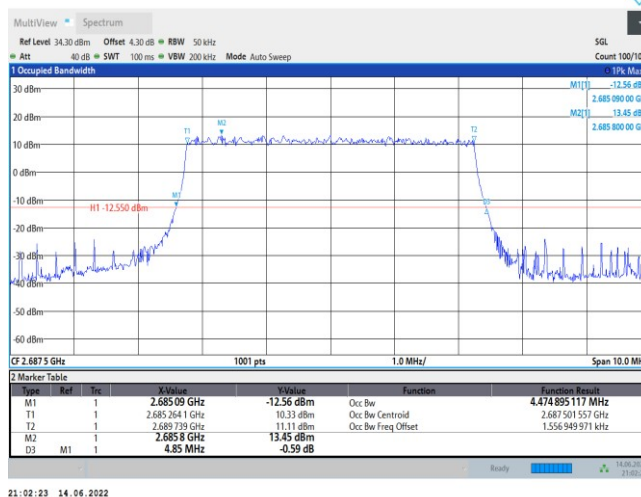
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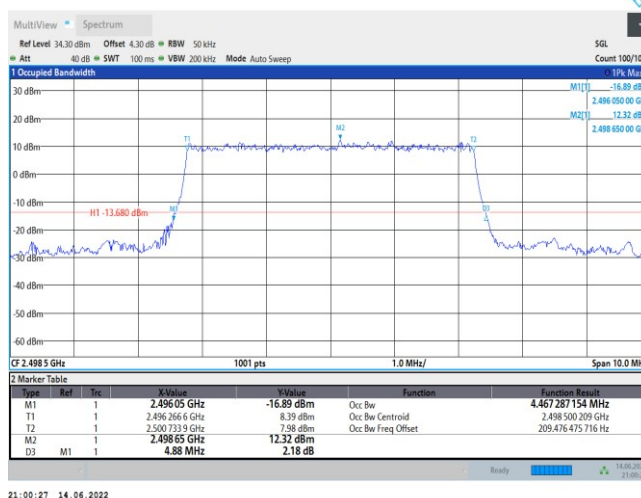
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Band41-5MHz-QPSK-41565-25RB#0



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



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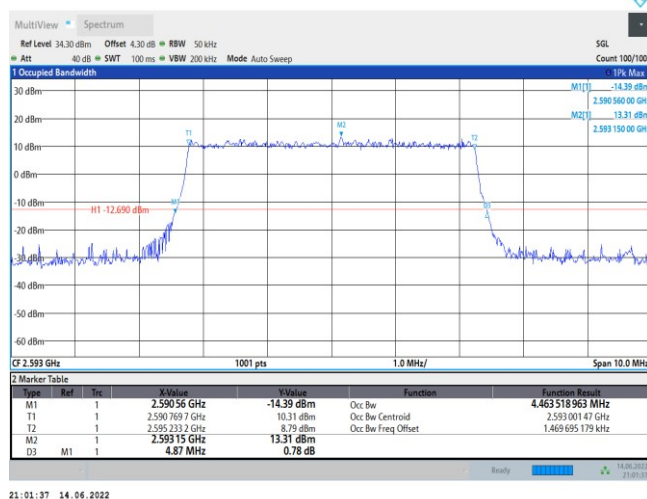
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Report No.: SEWA2205000015RG01

Rev.: 01

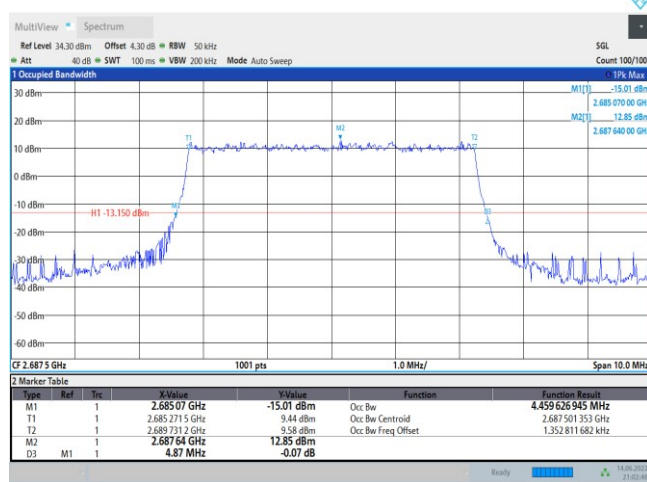
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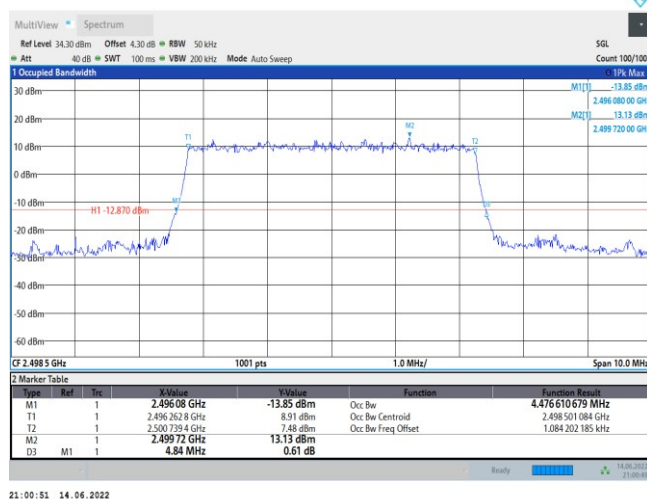
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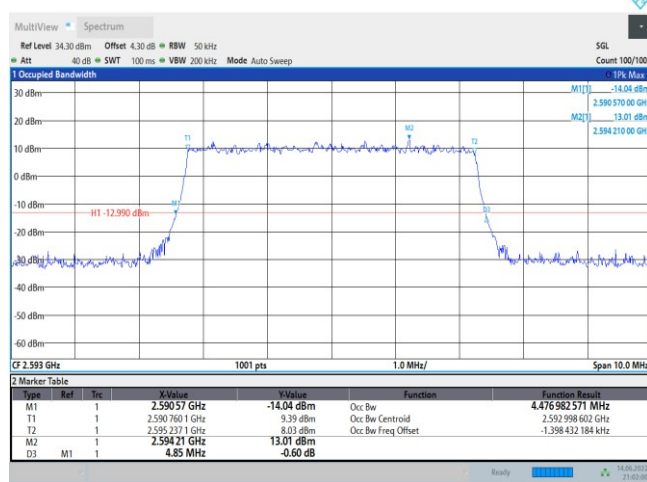
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Band41-5MHz-64QAM-40620-25RB#0



21:02:00 14.06.2022



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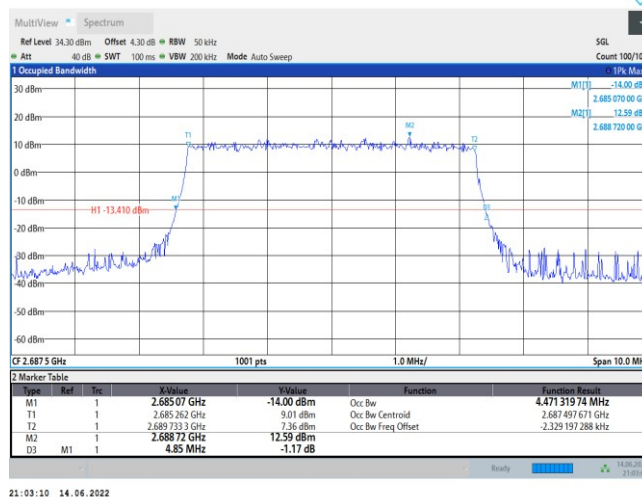
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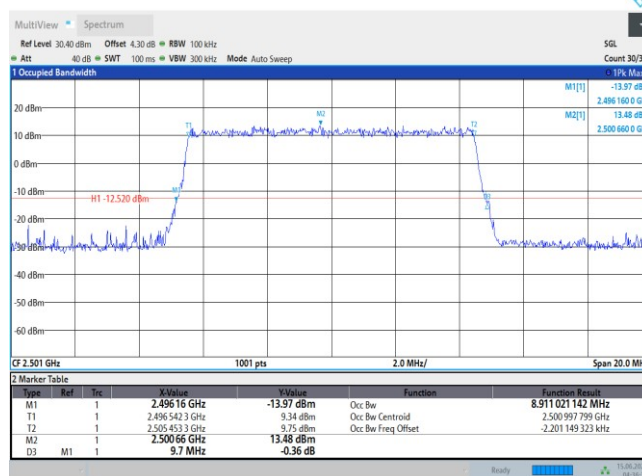
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Band41-10MHz-QPSK-39700-50RB#0



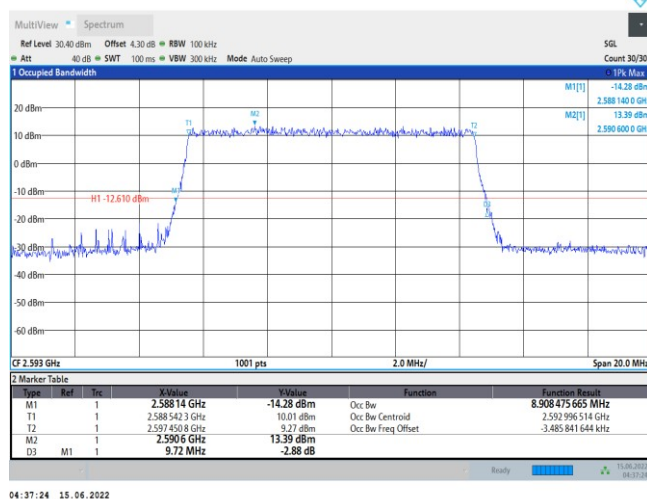
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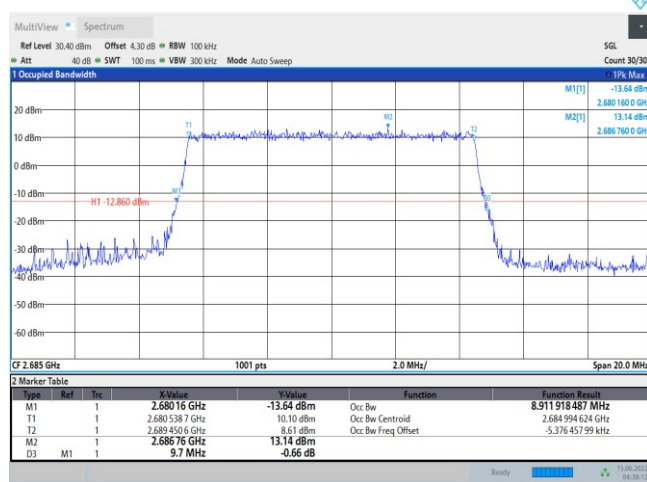
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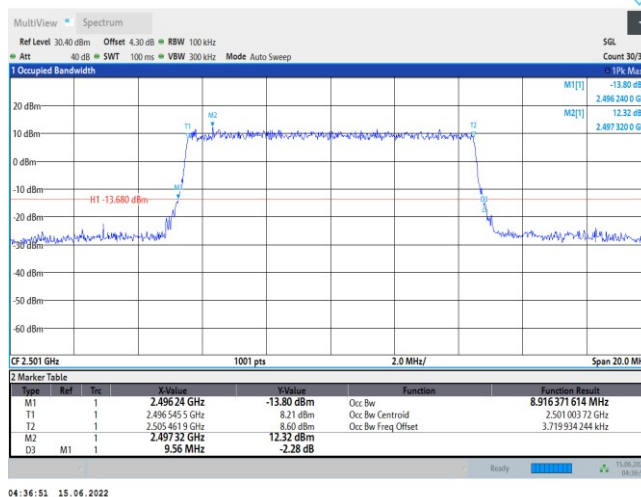
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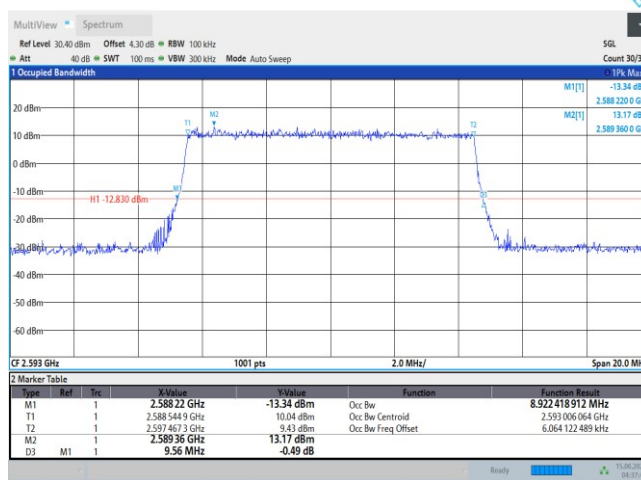
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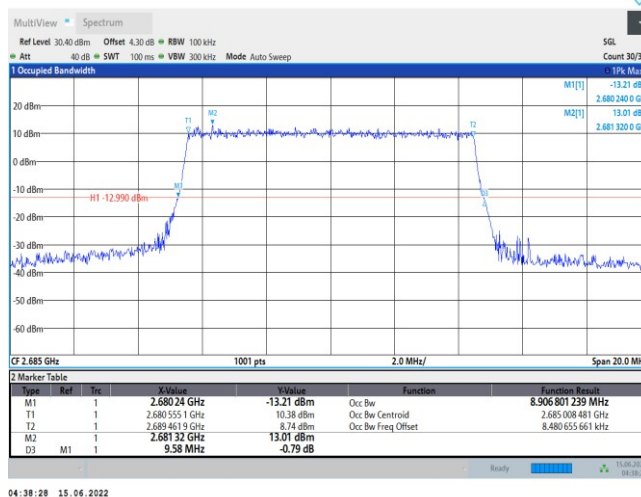
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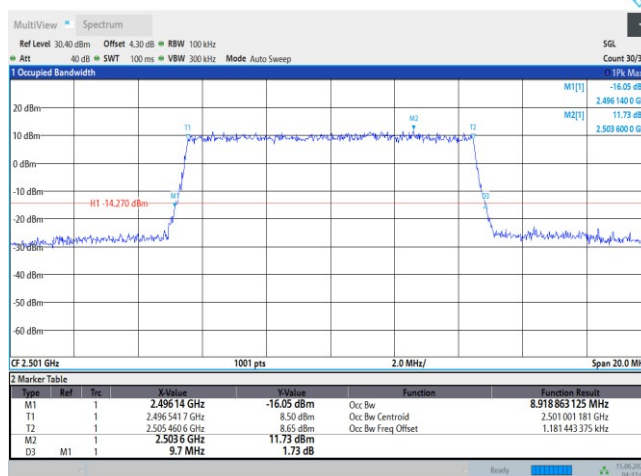
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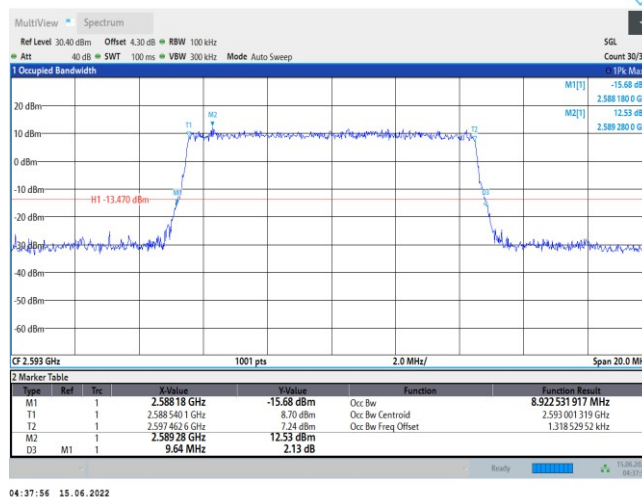
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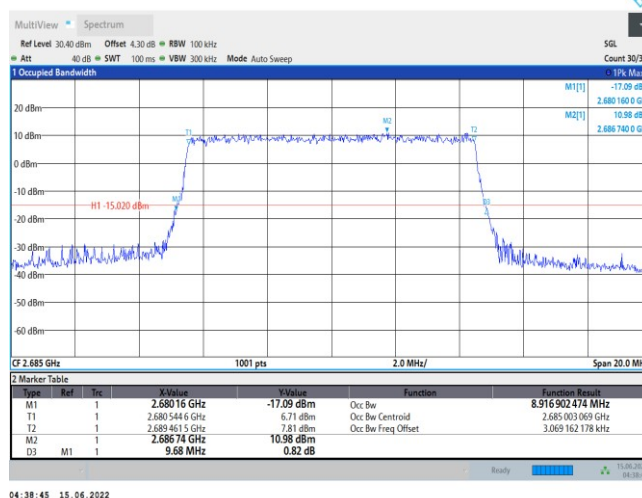
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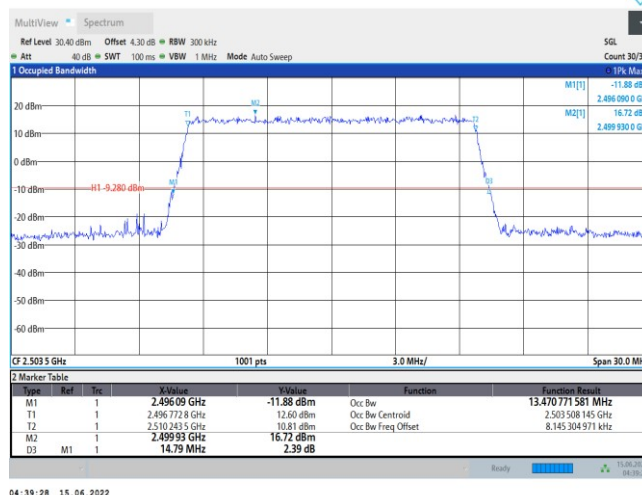


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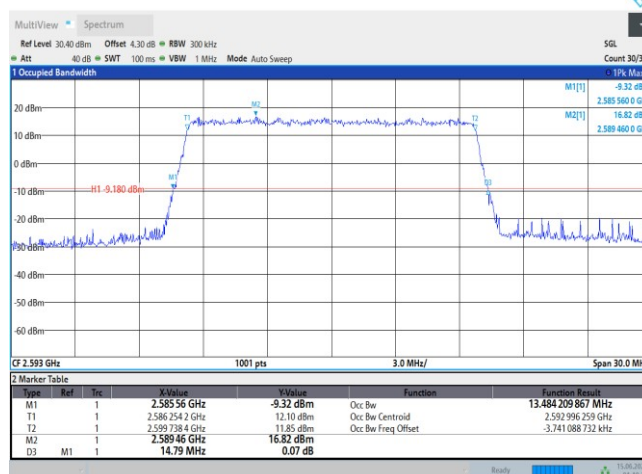
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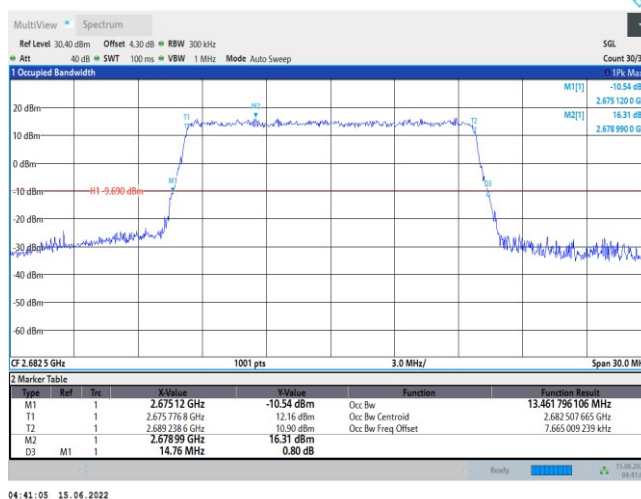
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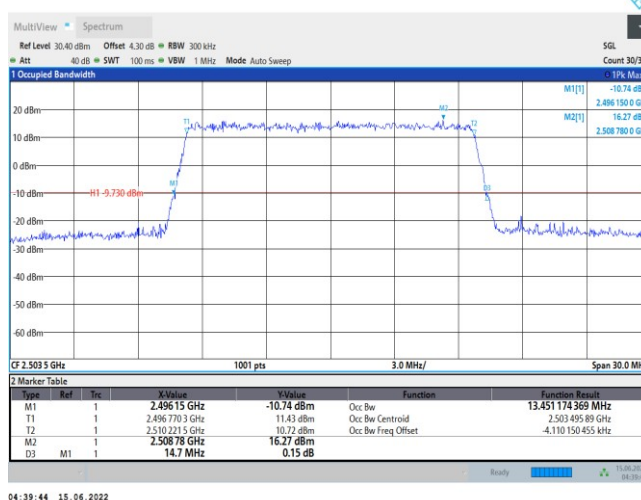
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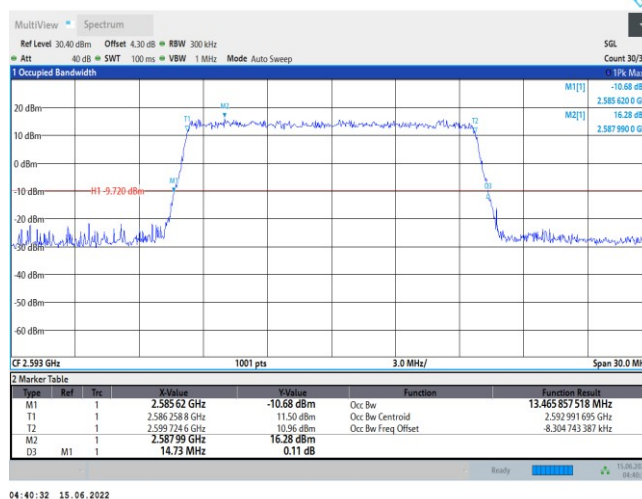
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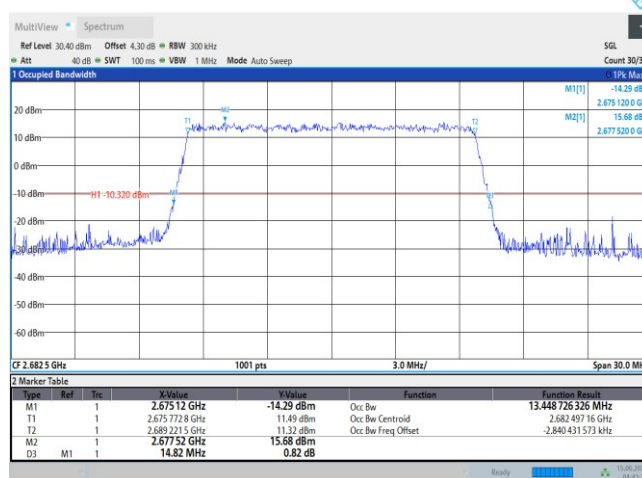
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Band41-15MHz-16QAM-41515-75RB#0



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