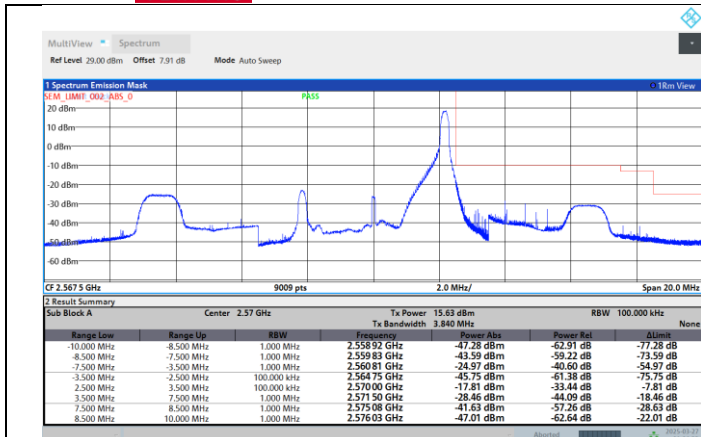


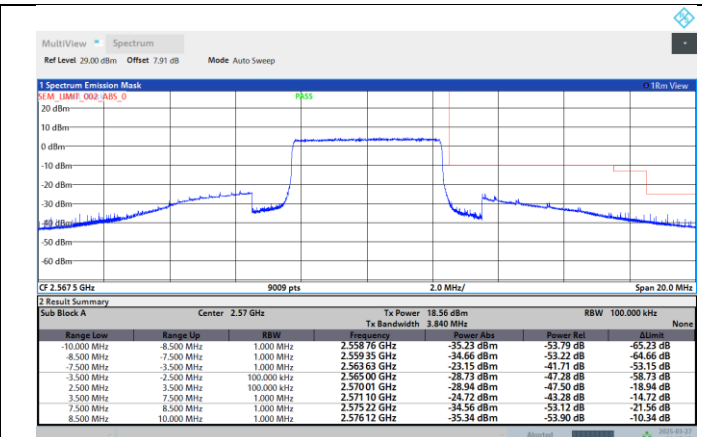


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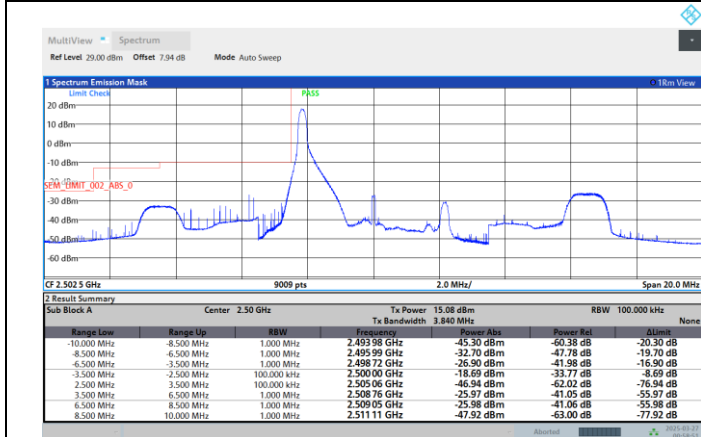
Test Report No.: PSU-QSU2503210311RF03



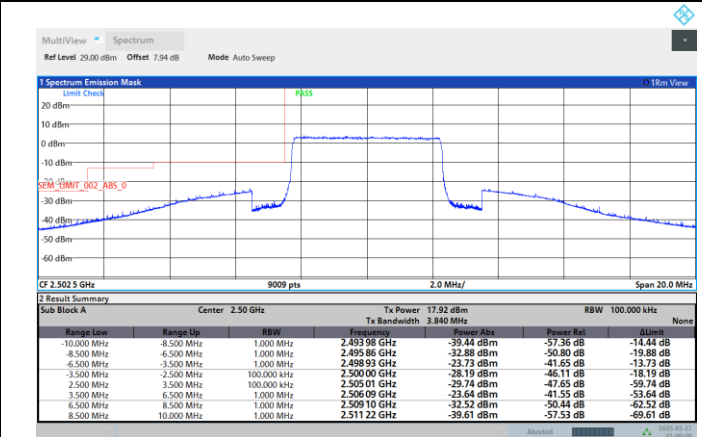
Band7-5MHz-64QAM-20775-1RB#0



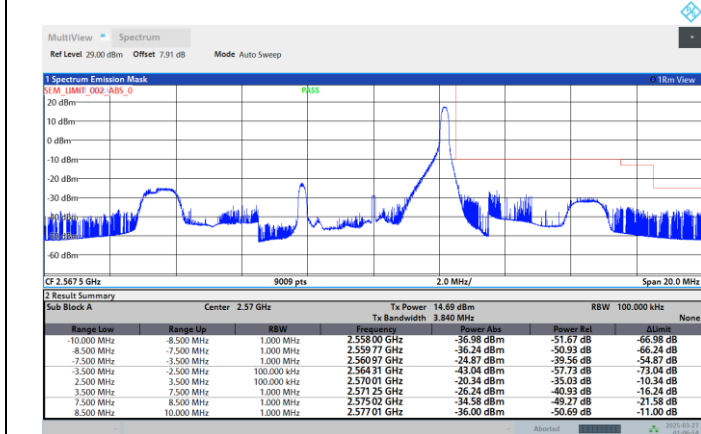
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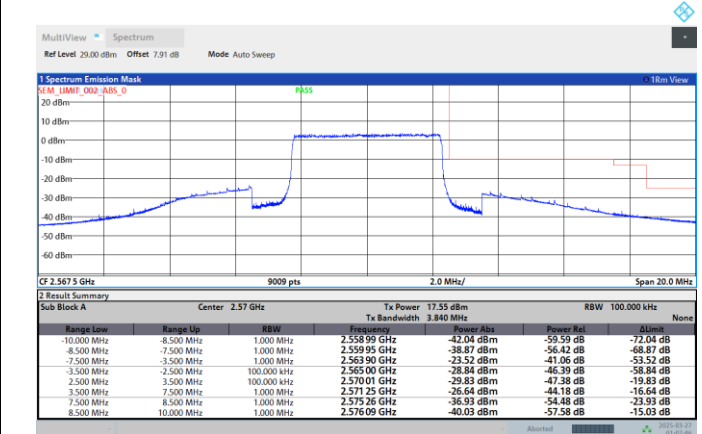
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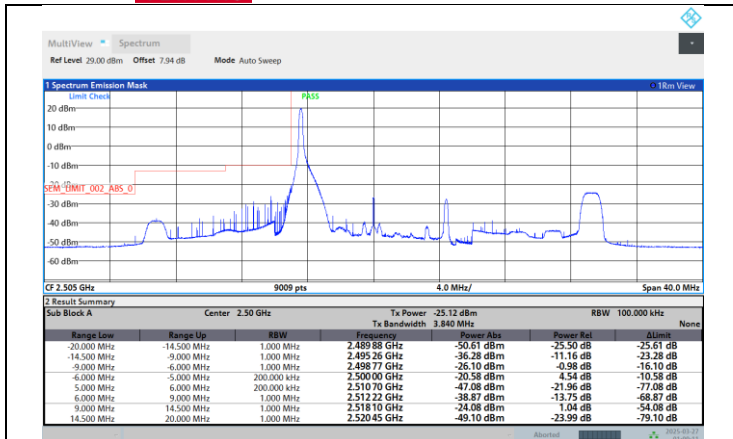
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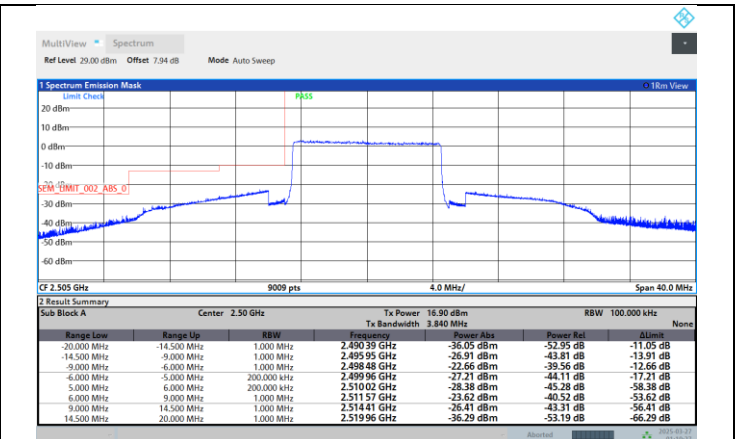
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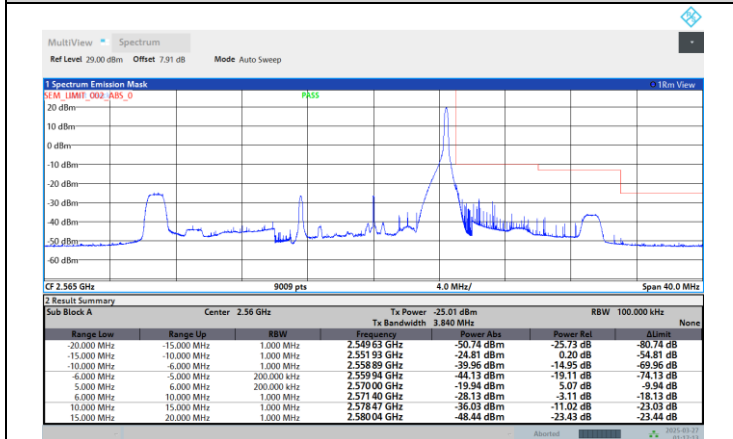
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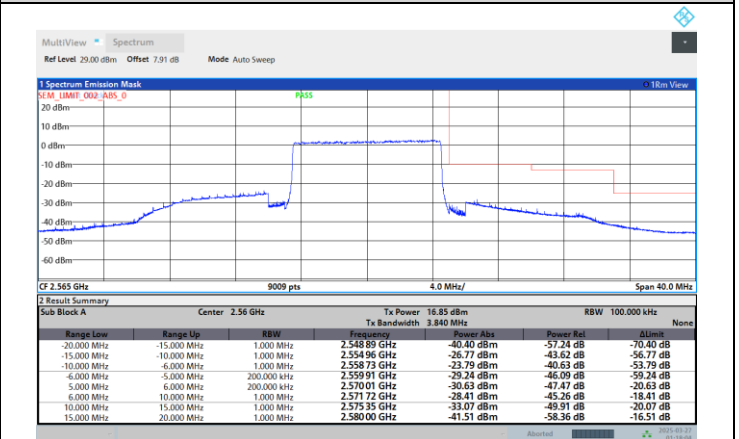
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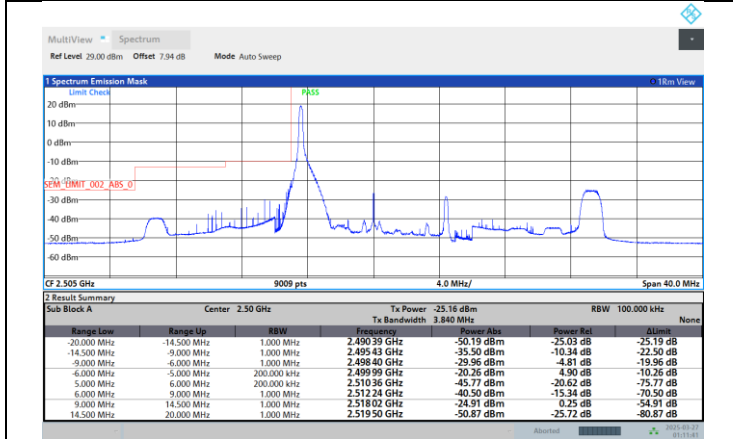
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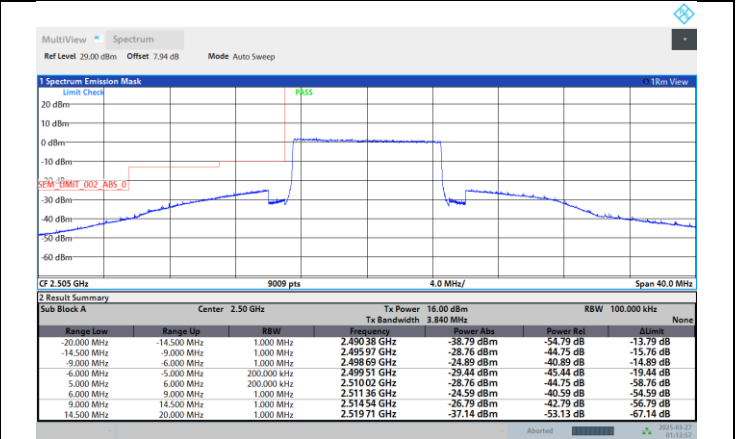
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Band7-10MHz-16QAM-20800-50RB#0



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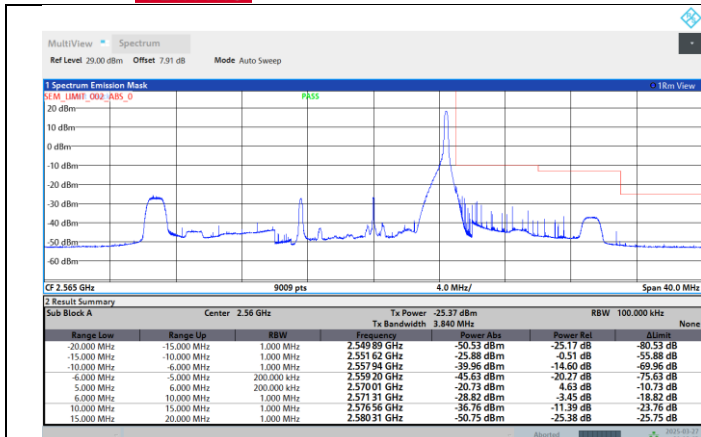


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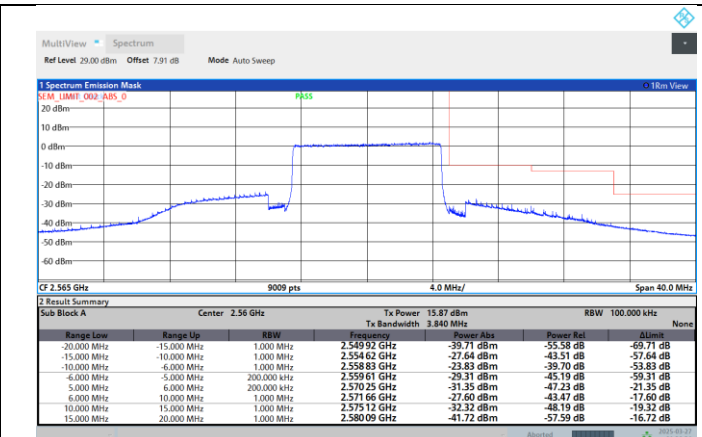


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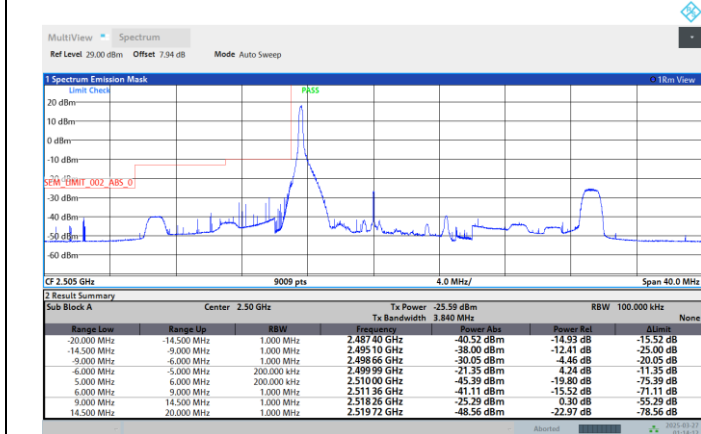
Test Report No.: PSU-QSU2503210311RF03



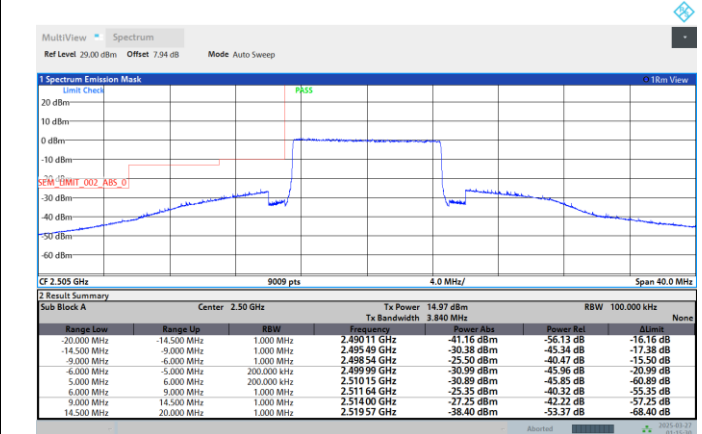
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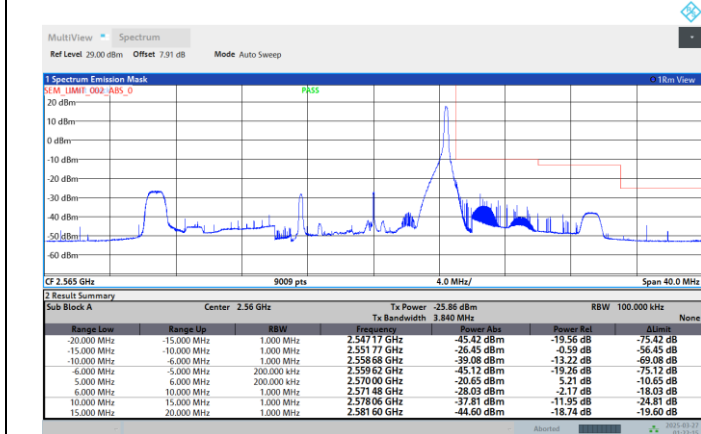
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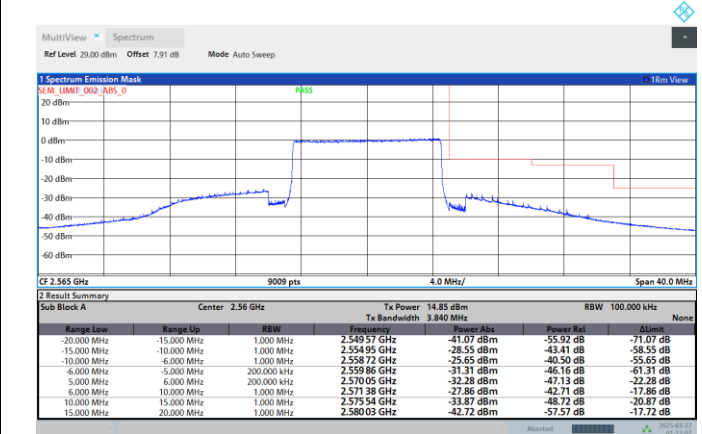
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Band7-10MHz-64QAM-21400-50RB#0



Band7-15MHz-QPSK-20825-1RB#0

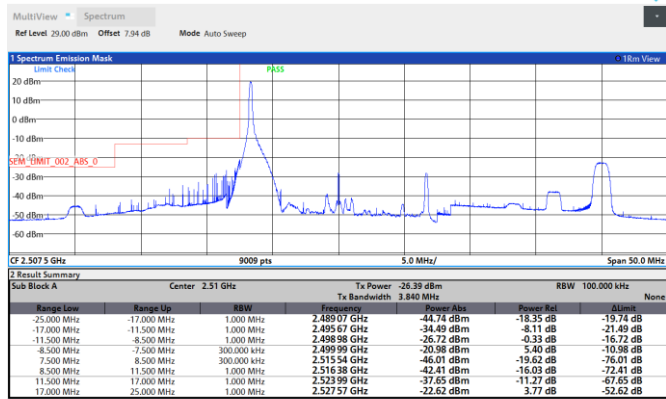


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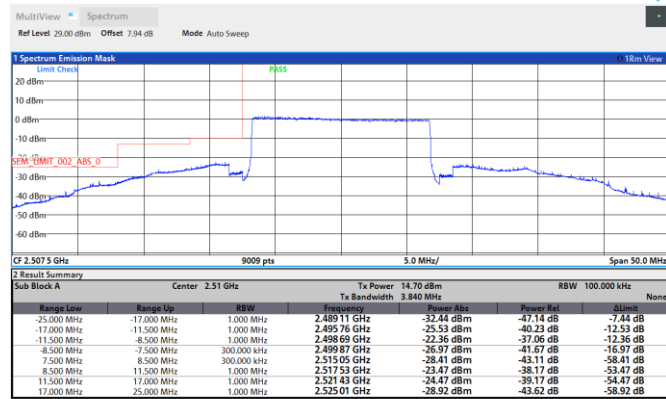


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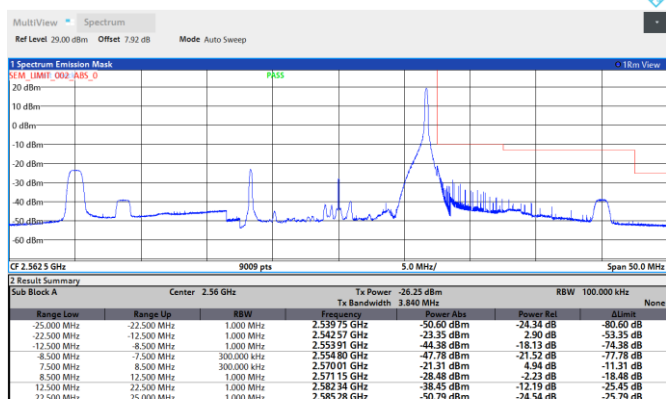
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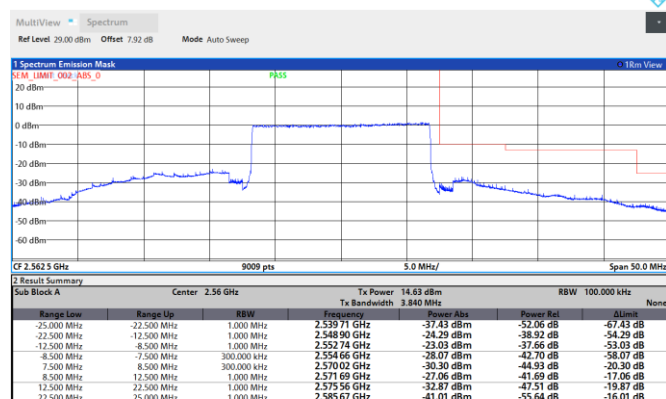
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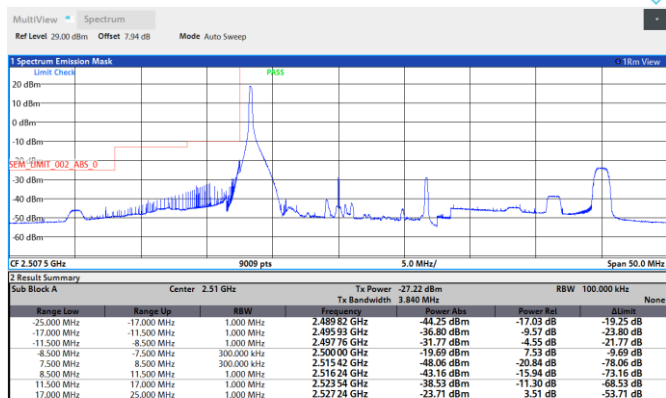
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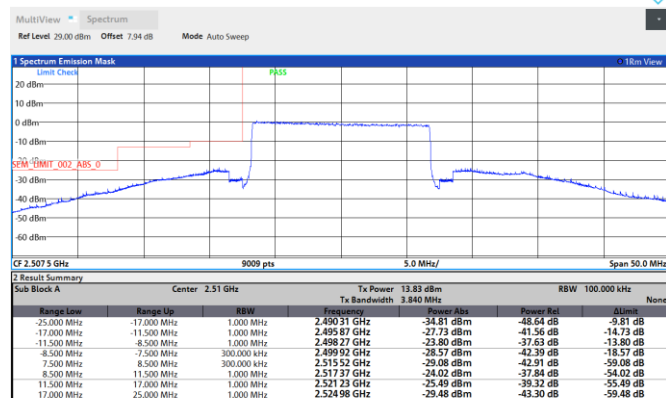
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Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21375-1RB#74

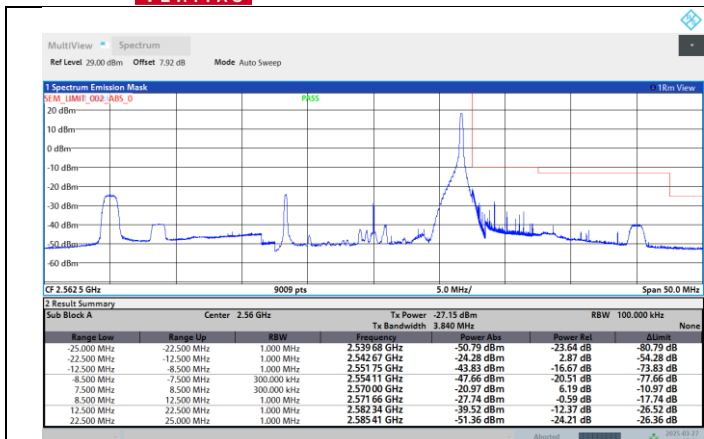


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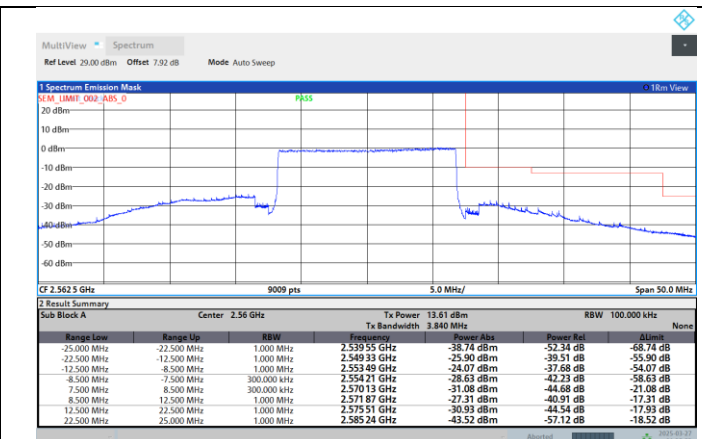


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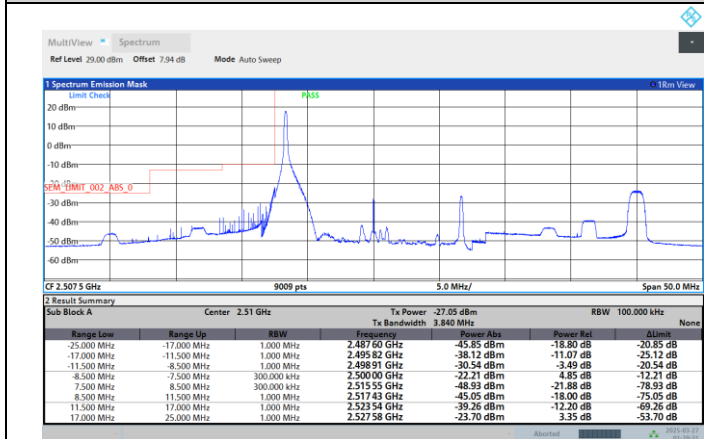
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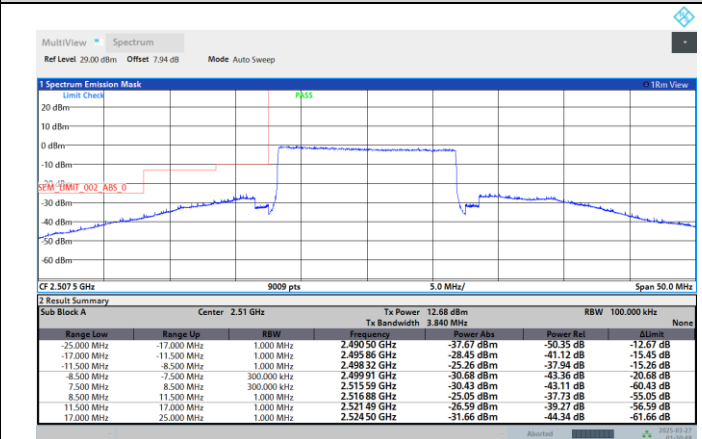
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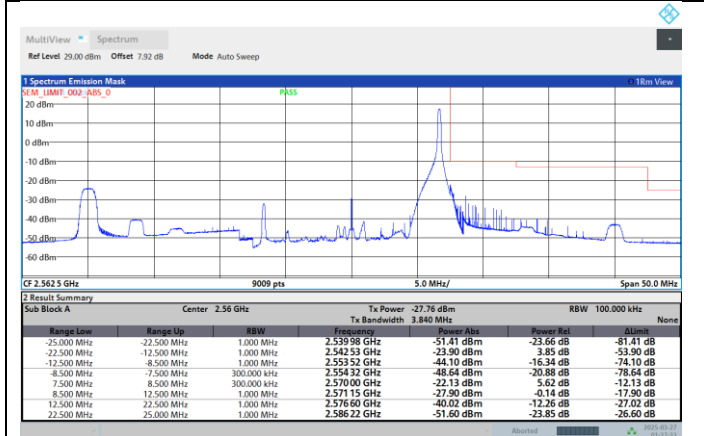
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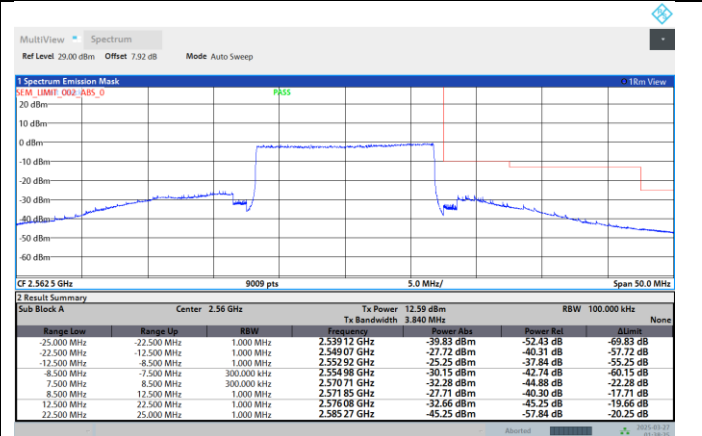
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Band7-15MHz-64QAM-21375-75RB#0



Band7-20MHz-QPSK-20850-1RB#0

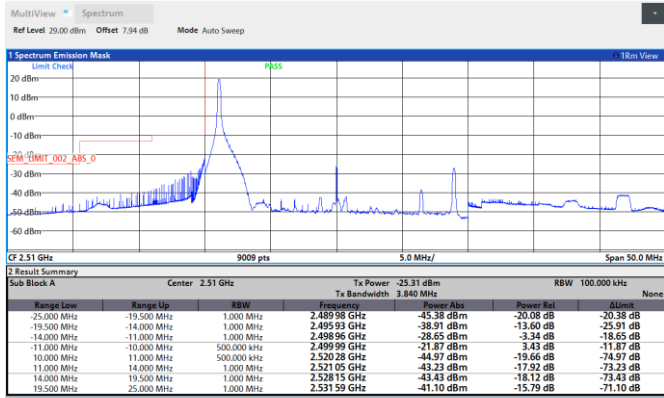


Band7-20MHz-QPSK-20850-100RB#0

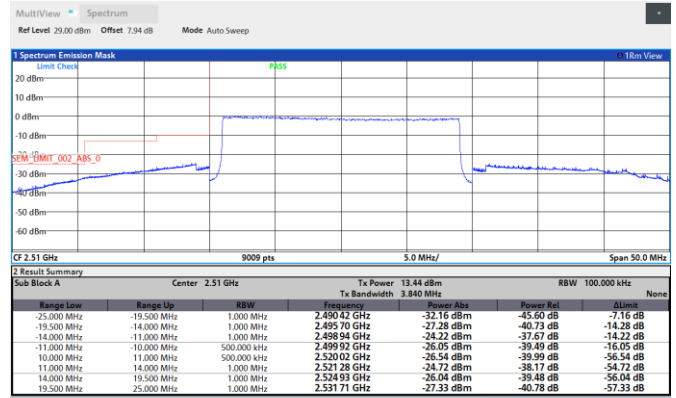


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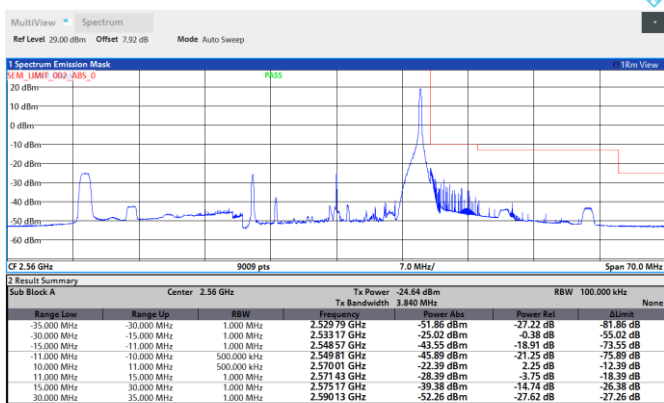
Test Report No.: PSU-QSU2503210311RF03



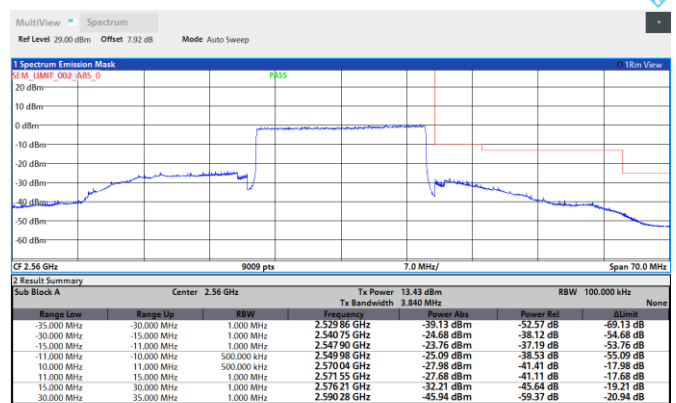
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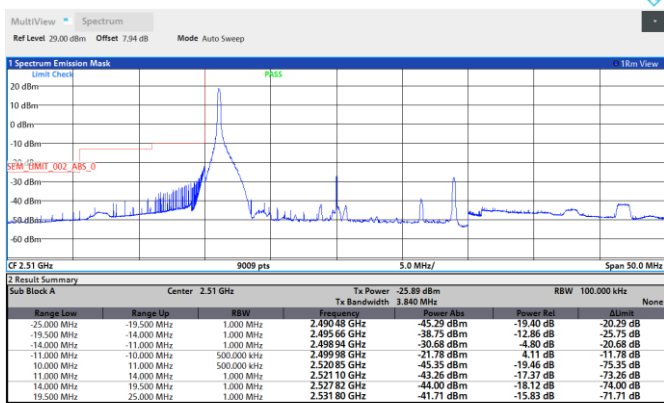
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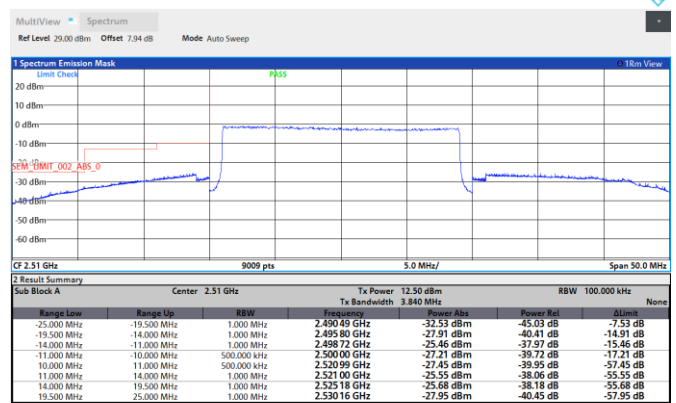
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Band7-20MHz-16QAM-20850-100RB#0



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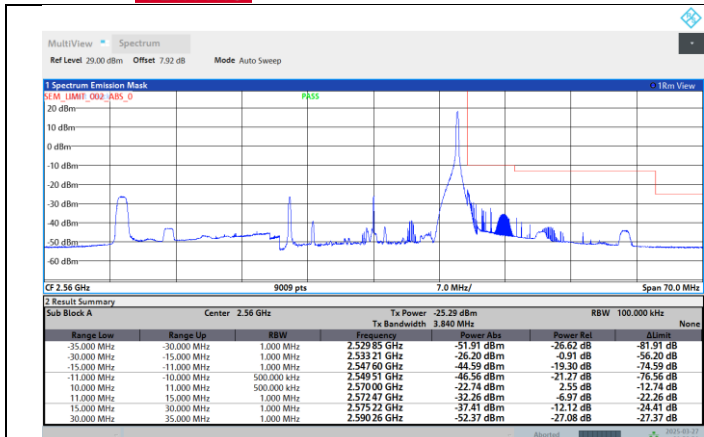


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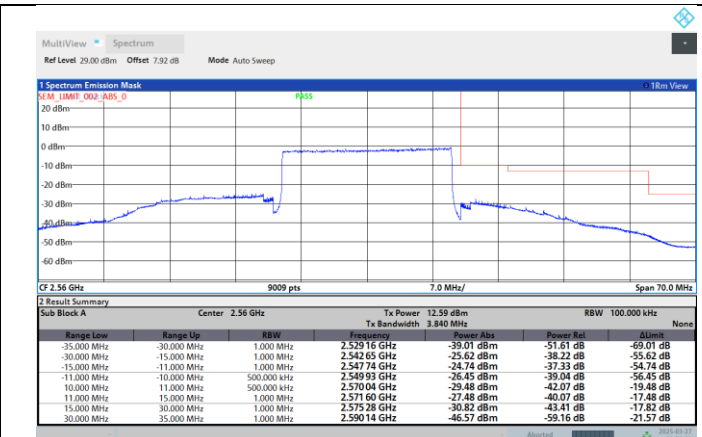


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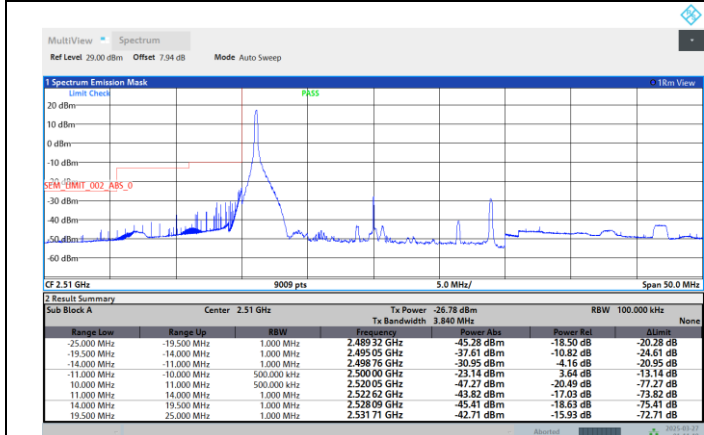
Test Report No.: PSU-QSU2503210311RF03



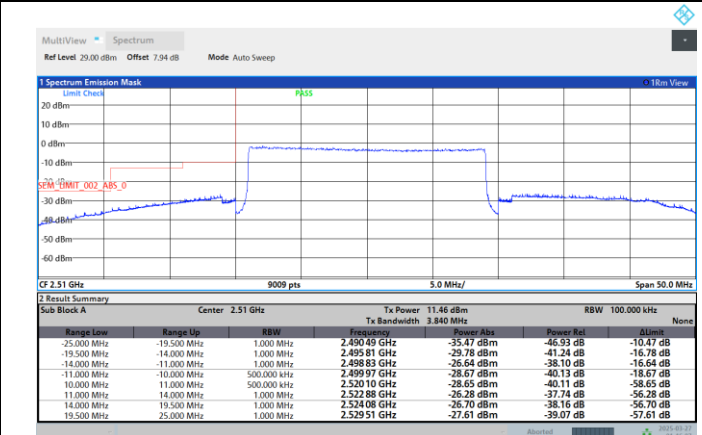
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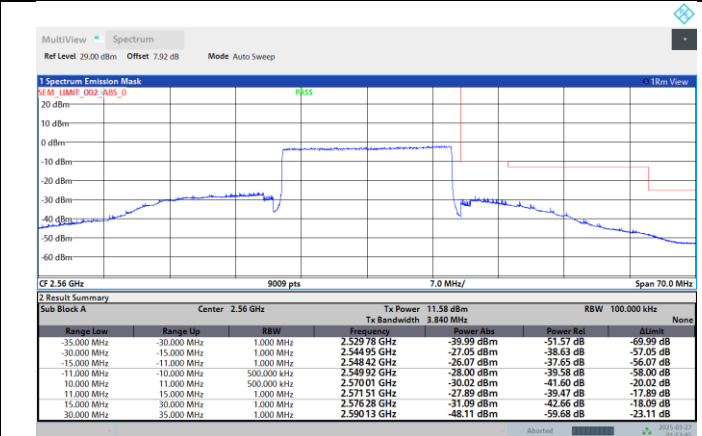
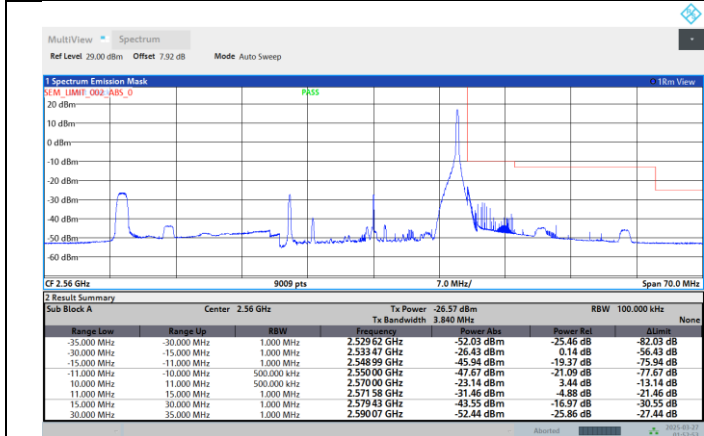
Band7-20MHz-64QAM-20850-100RB#0



Band7-20MHz-64QAM-21350-1RB#99



Band7-20MHz-64QAM-21350-100RB#0





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CONDUCTED SPURIOUS EMISSION

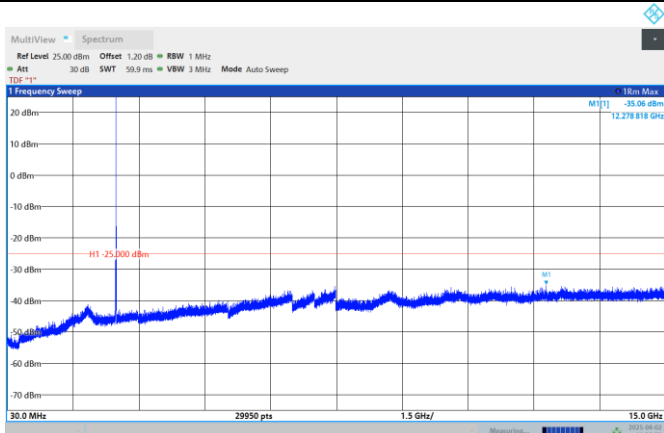
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range:15000~25700MHz	See Graph	PASS

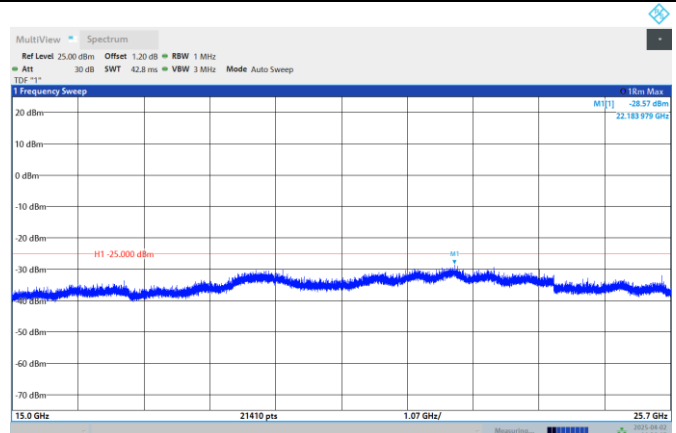


Test Graphs

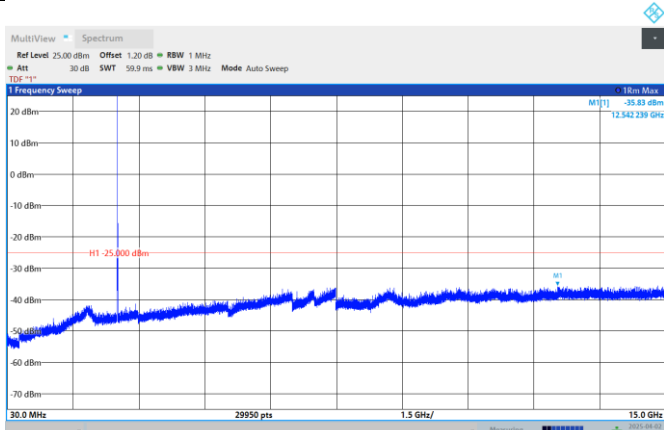
Band7-5MHz-QPSK-20775-1RB#0-Range:30~15000MHz



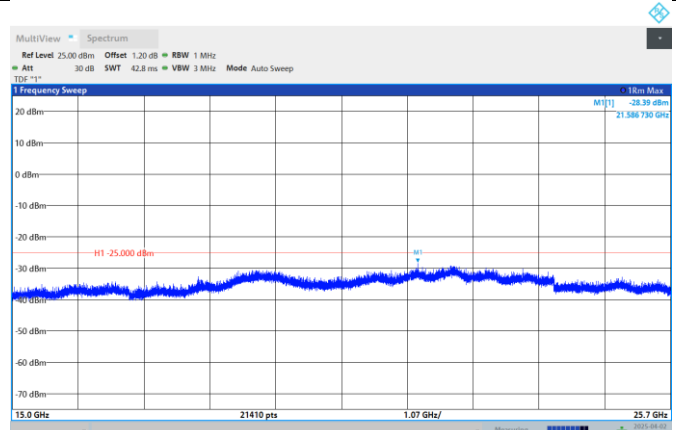
Band7-5MHz-QPSK-20775-1RB#0-Range:15000~25700MHz



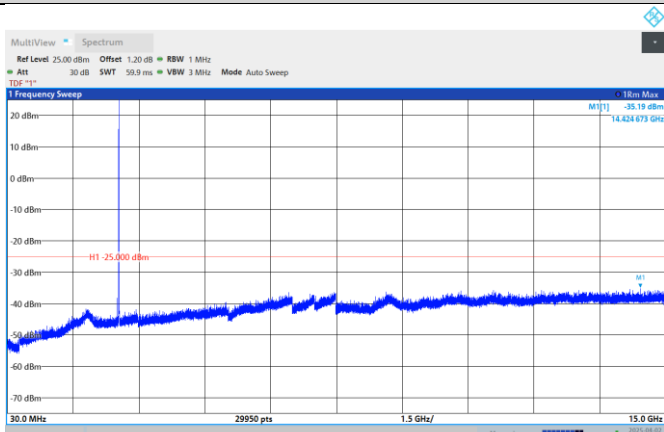
Band7-5MHz-QPSK-21100-1RB#0-Range:30~15000MHz



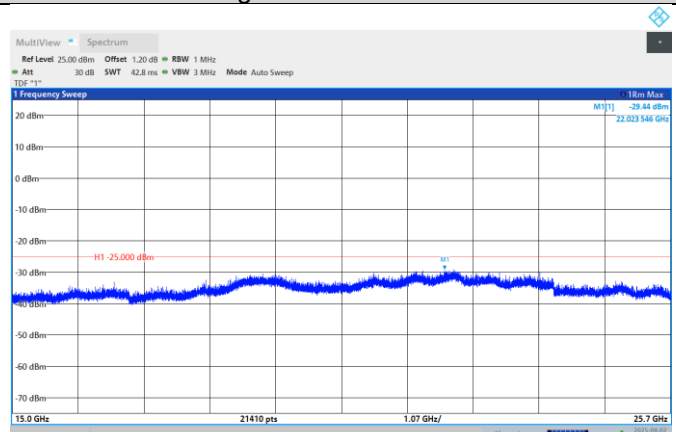
Band7-5MHz-QPSK-21100-1RB#0-Range:15000~25700MHz



Band7-5MHz-QPSK-21425-1RB#0-Range:30~15000MHz



Band7-5MHz-QPSK-21425-1RB#0-Range:15000~25700MHz



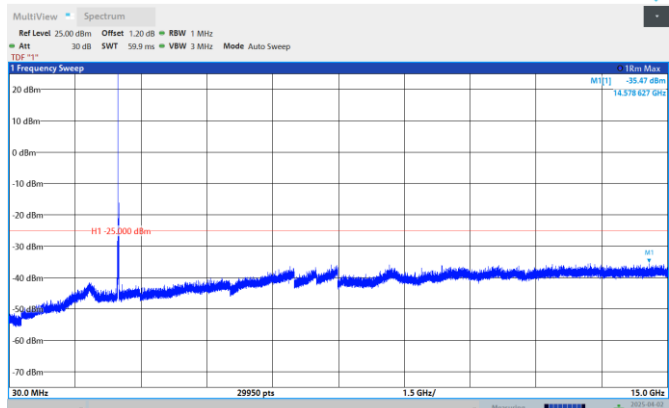
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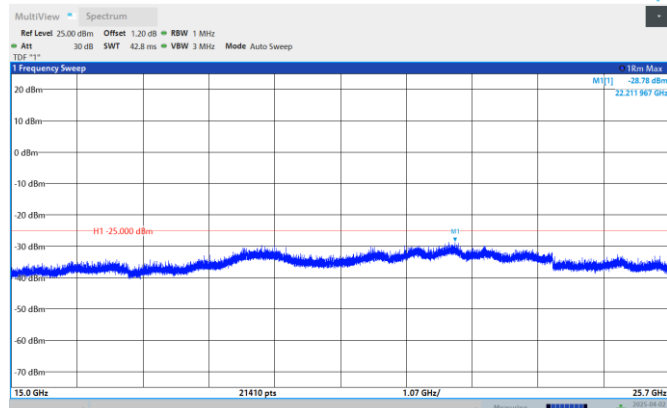


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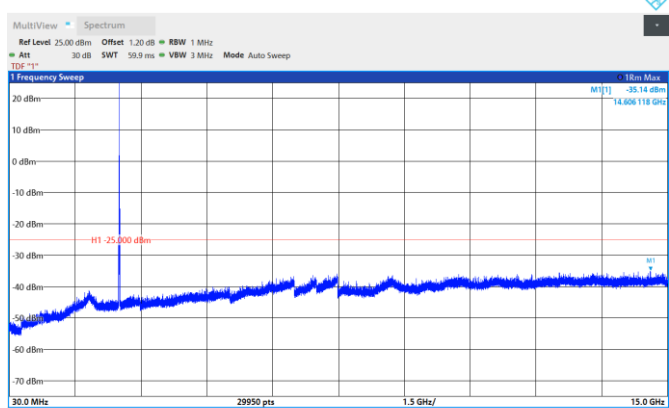
Test Report No.: PSU-QSU2503210311RF03



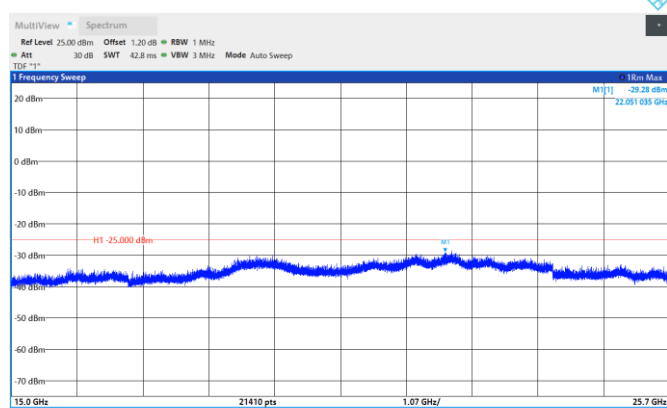
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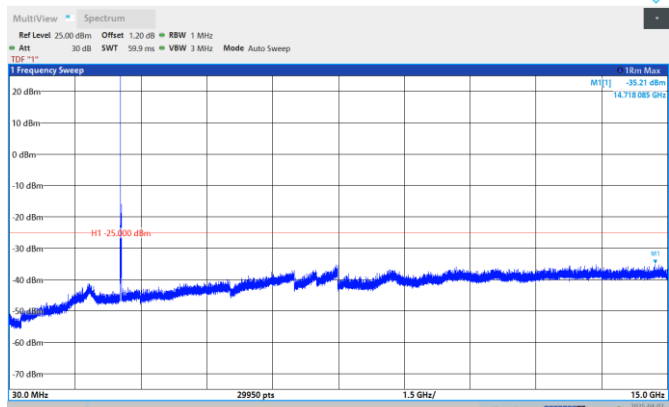
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Range:15000~25700MHz



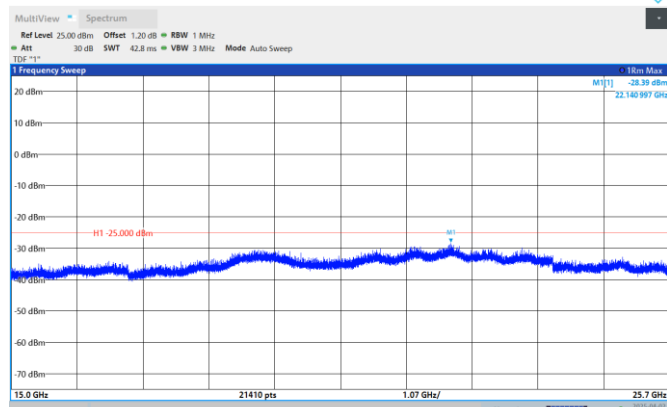
Band7-10MHz-QPSK-21400-1RB#0-Range:30~15000MHz



Band7-10MHz-QPSK-21400-1RB#0-
Range:15000~25700MHz



Band7-15MHz-QPSK-20825-1RB#0-Range:30~15000MHz

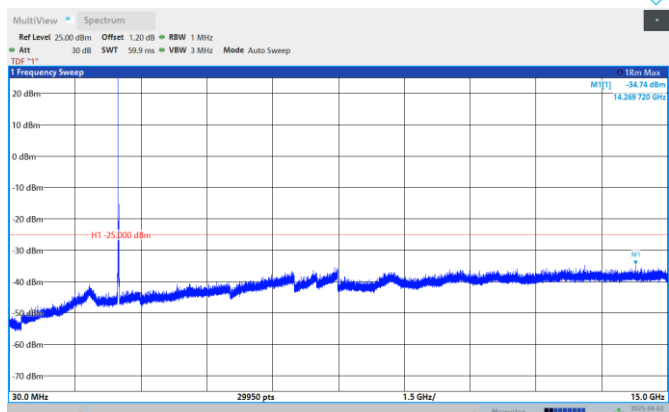


Band7-15MHz-QPSK-20825-1RB#0-
Range:15000~25700MHz

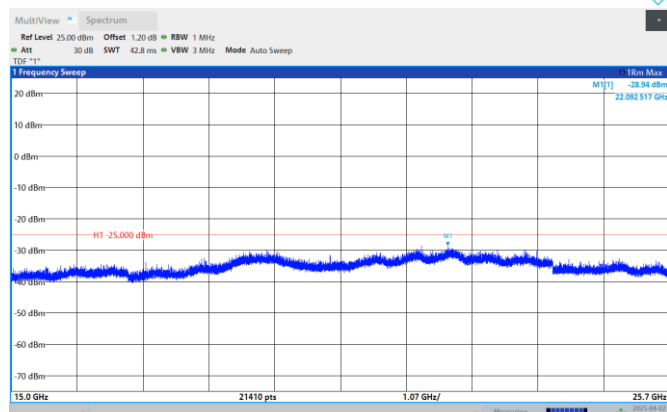


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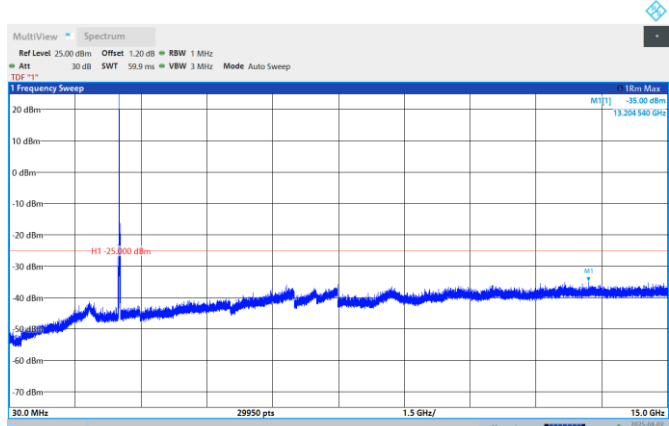
Test Report No.: PSU-QSU2503210311RF03



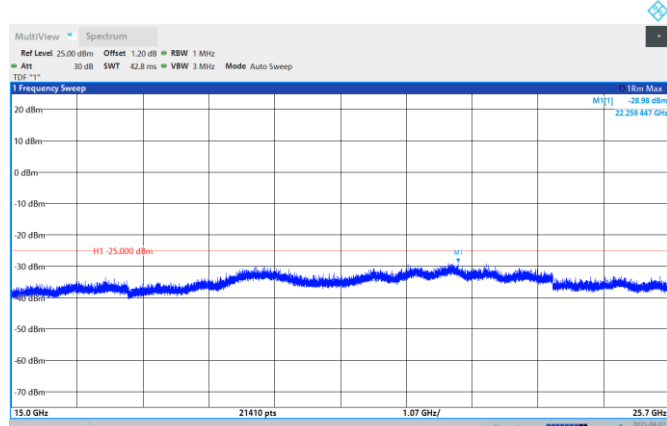
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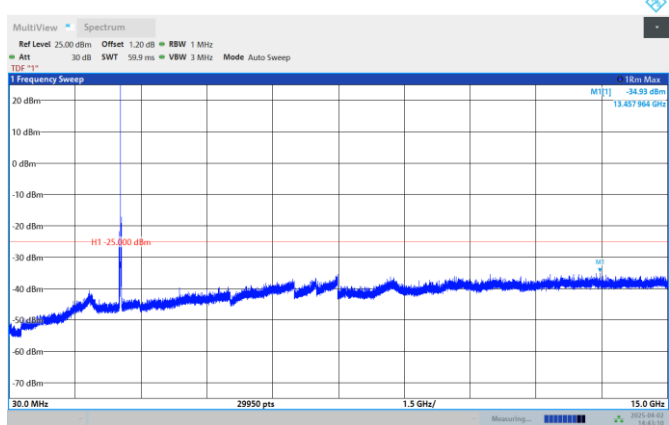
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Range:15000~25700MHz



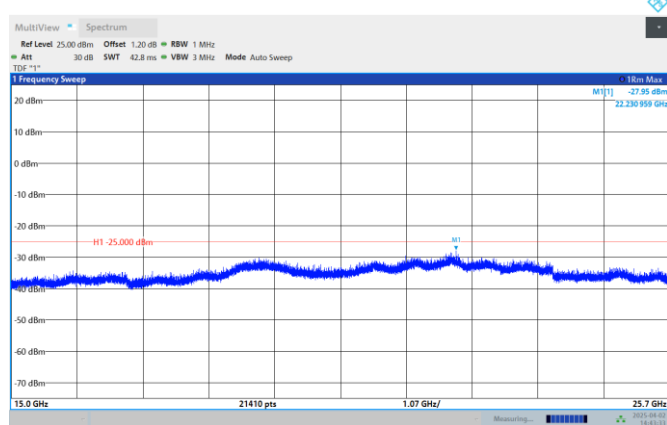
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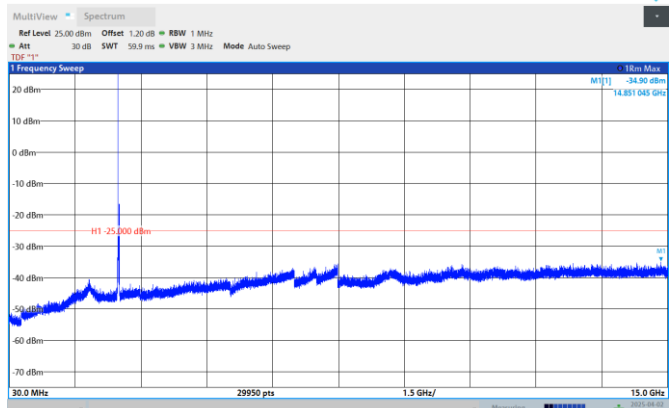
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Range:15000~25700MHz



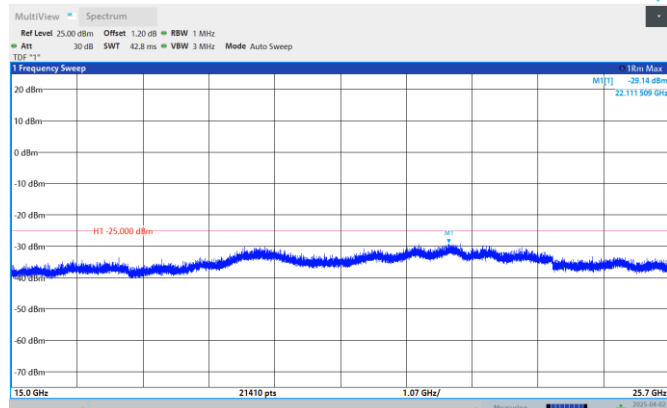
Band7-20MHz-QPSK-20850-1RB#0-Range:30~15000MHz



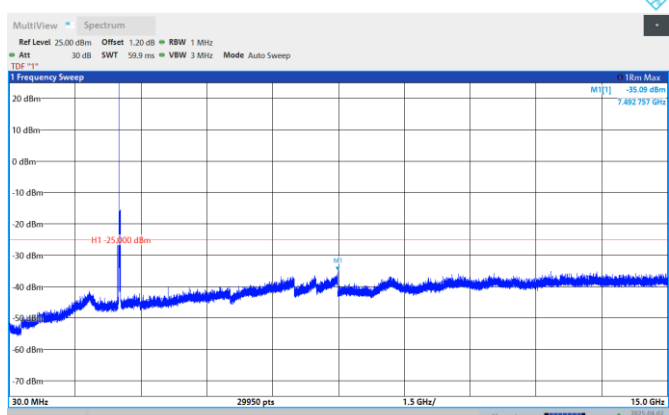
Band7-20MHz-QPSK-20850-1RB#0-
Range:15000~25700MHz



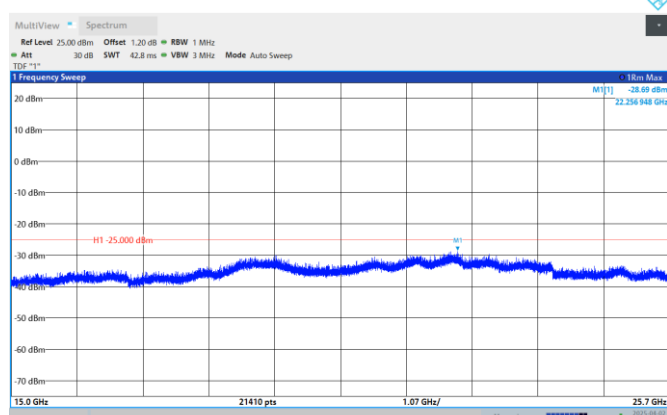
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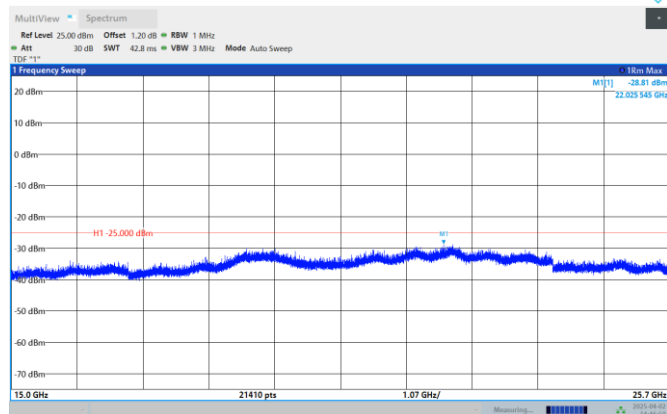
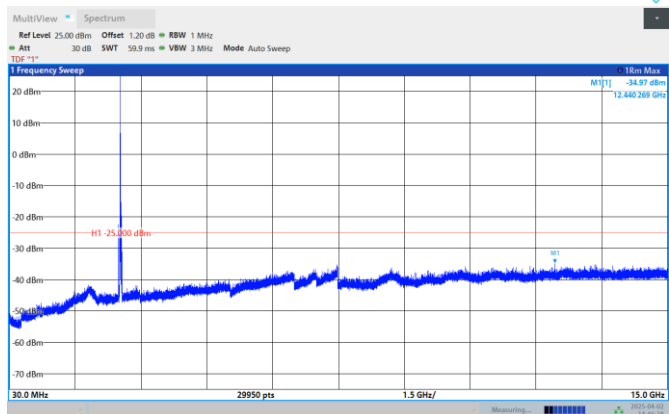
Band7-20MHz-QPSK-21100-1RB#0-
Range:15000~25700MHz



Band7-20MHz-QPSK-21350-1RB#0-Range:30~15000MHz



Band7-20MHz-QPSK-21350-1RB#0-
Range:15000~25700MHz



**FREQUENCY STABILITY****Test Result**

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	LV	NT	18.55	0.0074	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	NT	-0.34	-0.0001	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	HV	NT	14.51	0.0058	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	LV	NT	13.45	0.0053	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	NT	-2.55	-0.0010	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	HV	NT	-15.01	-0.0059	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	LV	NT	1.52	0.0006	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	NT	16.49	0.0064	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	HV	NT	-9.27	-0.0036	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-26.90	-0.0107	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	15.00	0.0060	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	7.50	0.0030	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-7.90	-0.0031	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-2.70	-0.0011	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	6.20	0.0025	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	15.40	0.0061	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	3.70	0.0015	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-11.00	-0.0044	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-18.16	-0.0072	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-7.22	-0.0028	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-17.89	-0.0071	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-28.17	-0.0111	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-4.06	-0.0016	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-15.01	-0.0059	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	8.07	0.0032	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-14.36	-0.0057	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	3.09	0.0012	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-26.50	-0.0104	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-3.50	-0.0014	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-9.00	-0.0035	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-26.50	-0.0104	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-7.30	-0.0029	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	17.20	0.0067	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	27.90	0.0109	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-3.50	-0.0014	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-27.10	-0.0106	±2.5	PASS



LTE BAND12(INCLUDING B17)

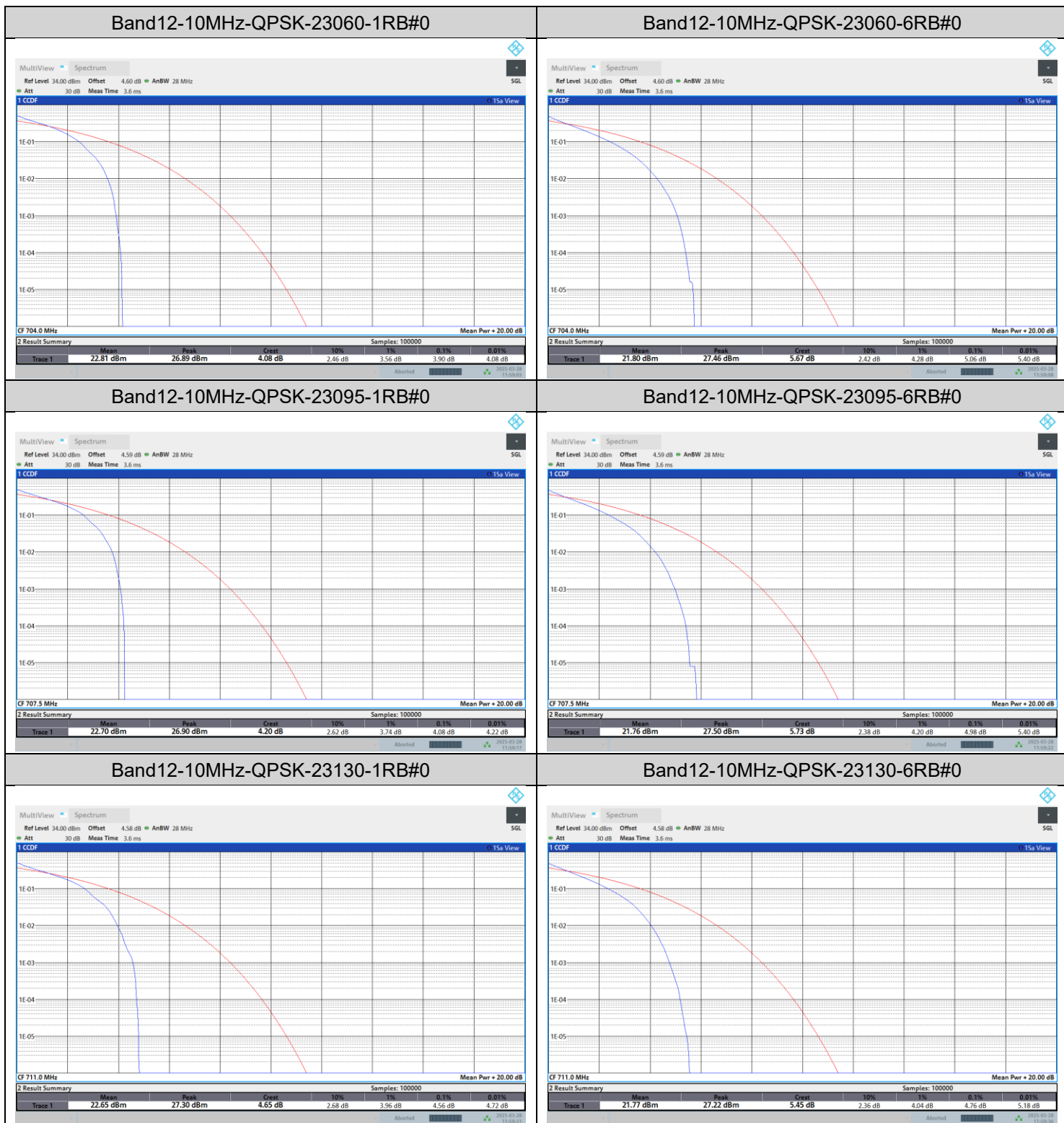
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	3.90	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.06	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.08	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.56	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.76	13	PASS



Test Graphs





BUREAU VERITAS Test Report No.: PSU-QSU2503210311RF03
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

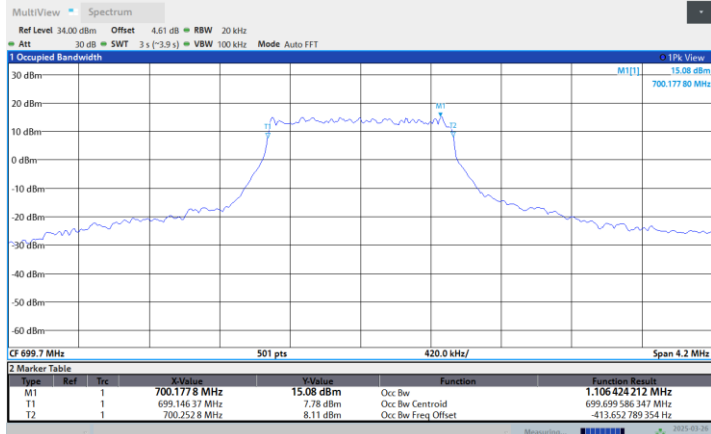
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.106	1.31	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.086	1.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.099	1.33	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.095	1.33	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.093	1.32	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.092	1.31	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.088	1.28	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.088	1.28	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.088	1.31	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.694	2.92	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.691	2.87	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	3.00	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.695	2.95	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.688	2.89	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.683	2.95	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.691	2.89	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.686	2.85	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.690	2.88	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.504	5.05	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.509	5.05	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.491	5.09	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.493	4.93	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.508	5.07	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.500	5.07	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.495	5.02	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.500	5.05	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.488	5.00	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.978	10.01	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.989	9.86	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.977	9.86	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.977	9.83	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.972	9.86	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.977	9.89	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.975	9.86	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.964	9.83	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.983	9.86	PASS



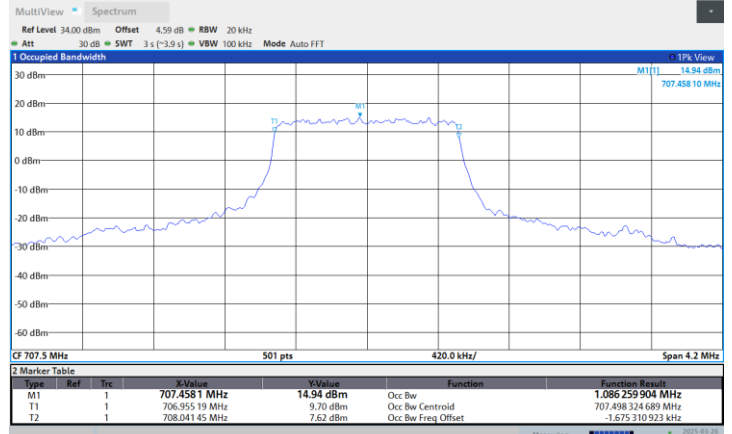
Test Graphs

Occupied Bandwidth

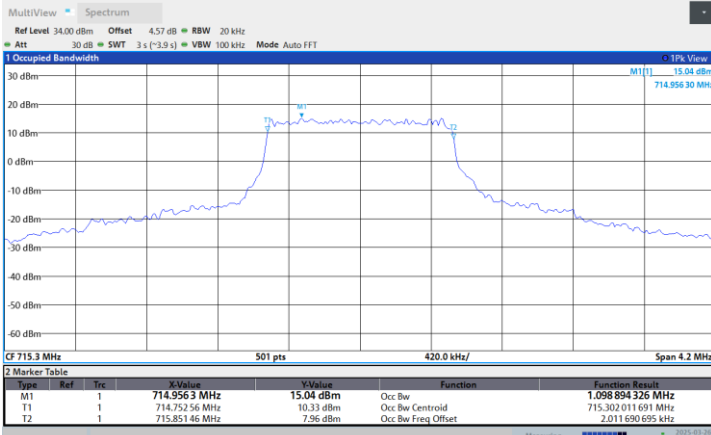
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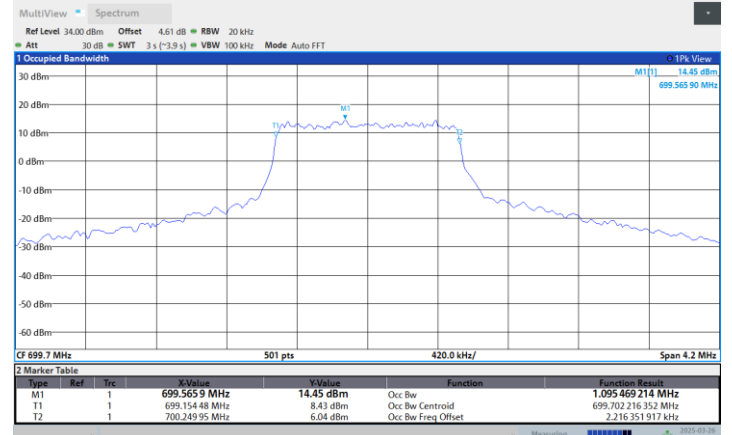
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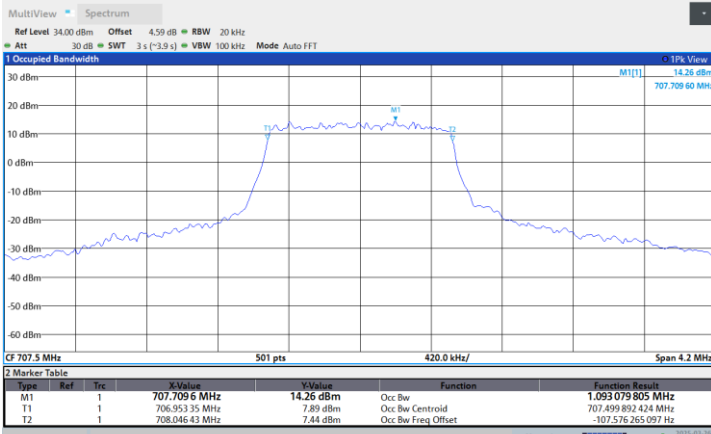
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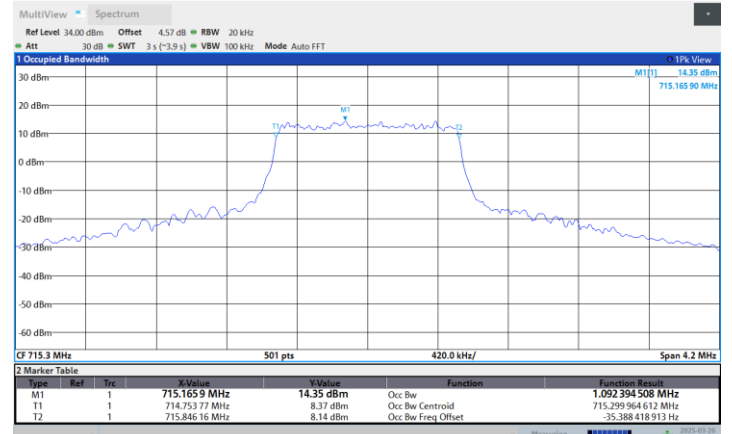
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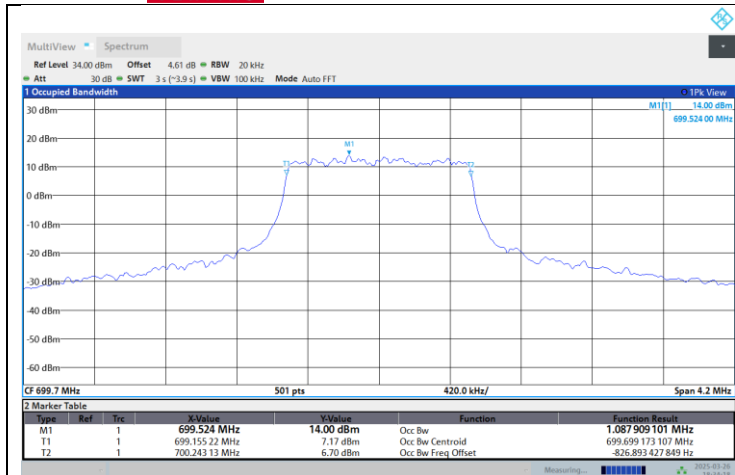


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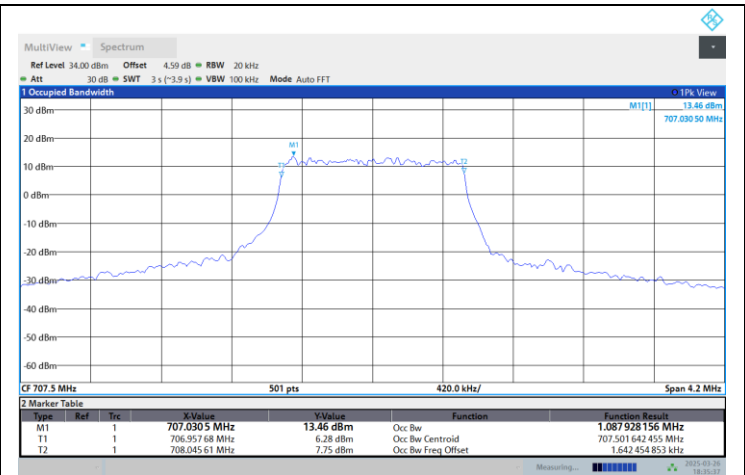


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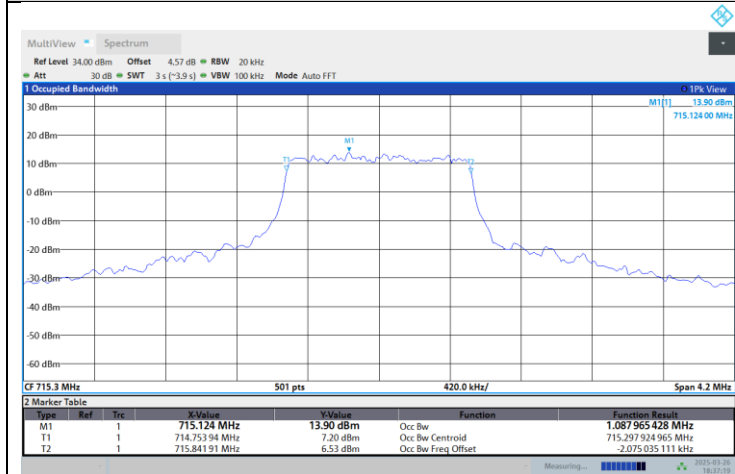
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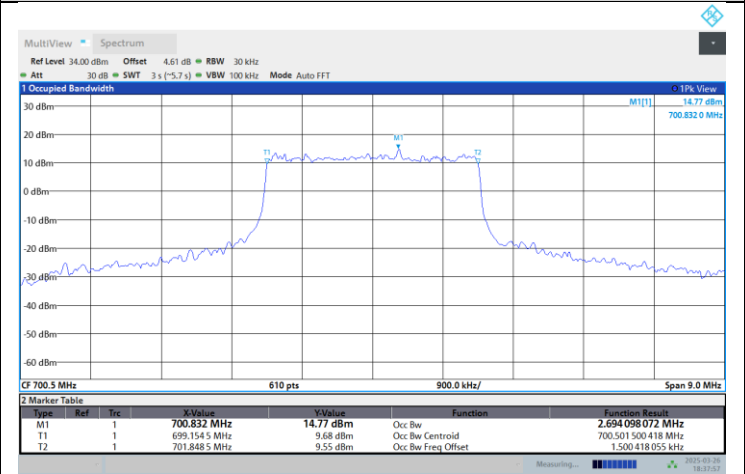
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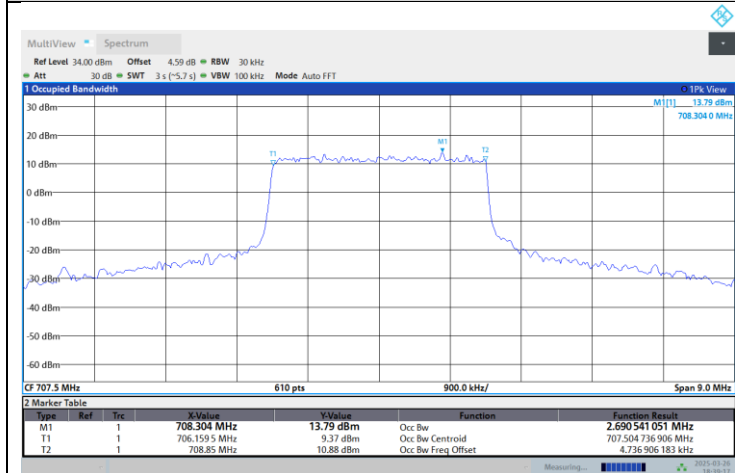
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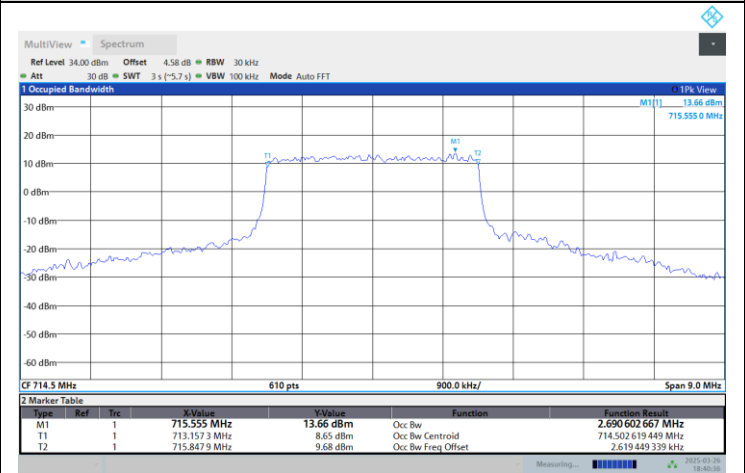
Band12-3MHz-QPSK-23095-15RB#0



Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23095-15RB#0