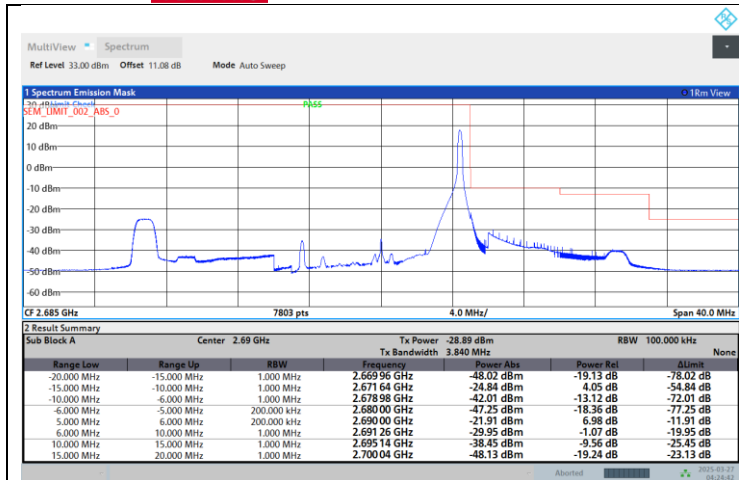
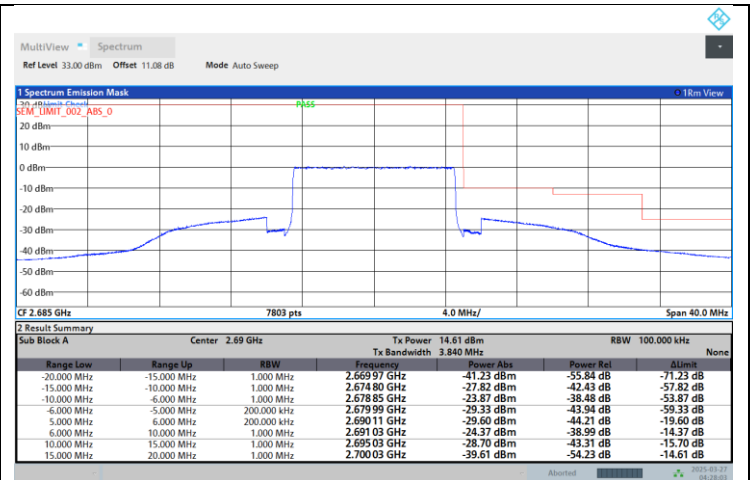
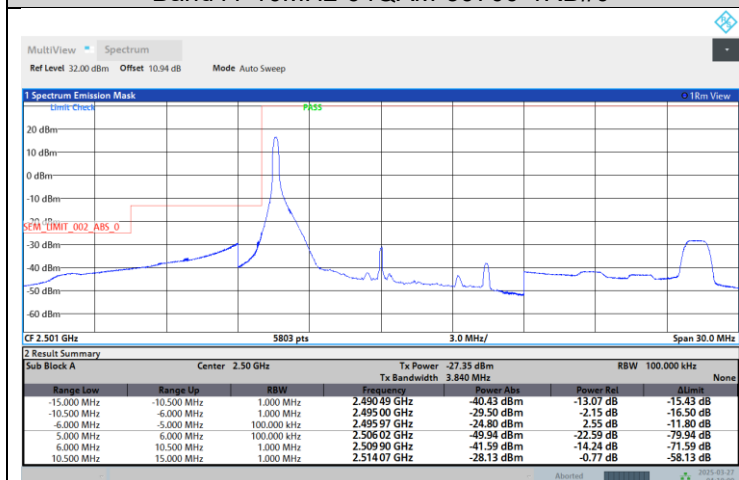




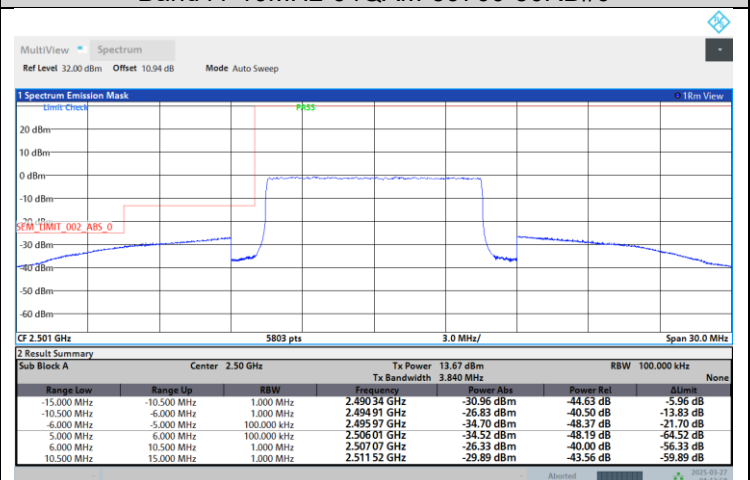
Band41-10MHz-64QAM-39700-1RB#0



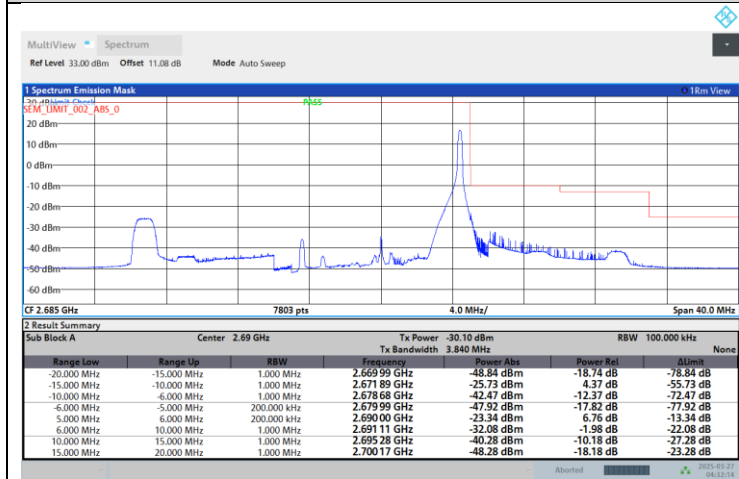
Band41-10MHz-64QAM-39700-50RB#0



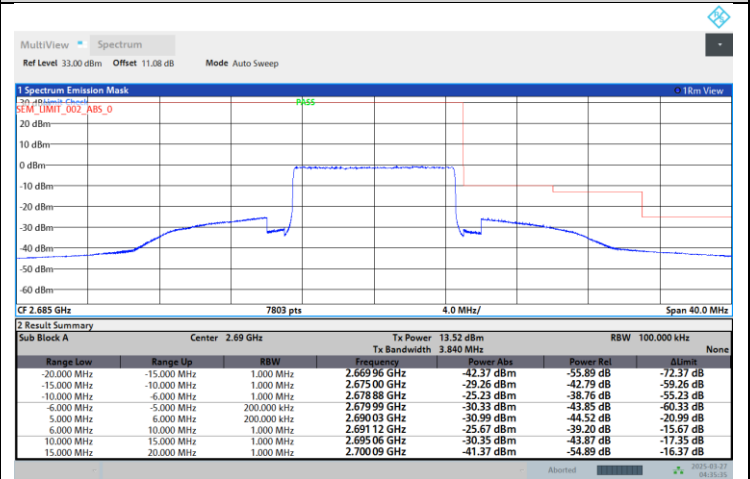
Band41-10MHz-64QAM-41540-1RB#49



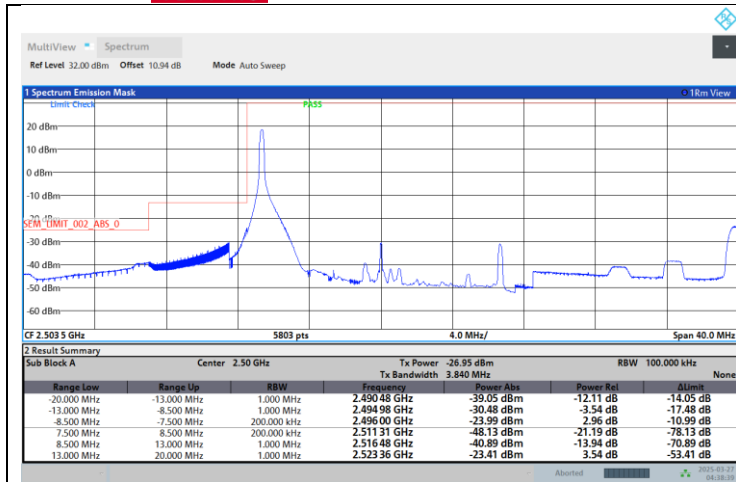
Band41-10MHz-64QAM-41540-50RB#0



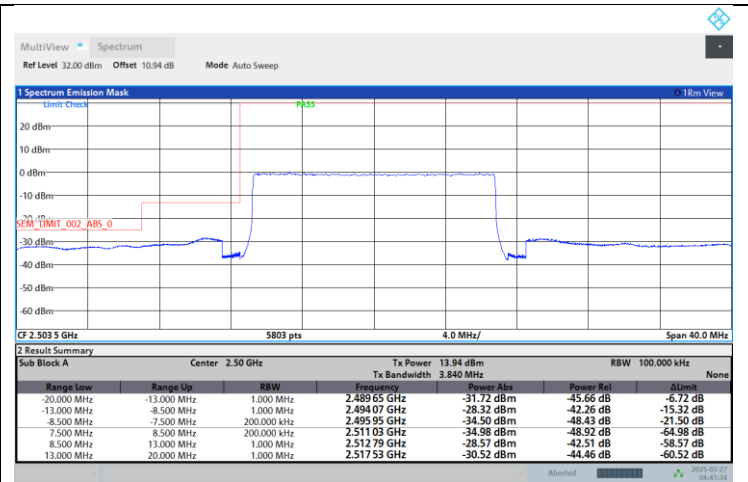
Band41-15MHz-QPSK-39725-1RB#0



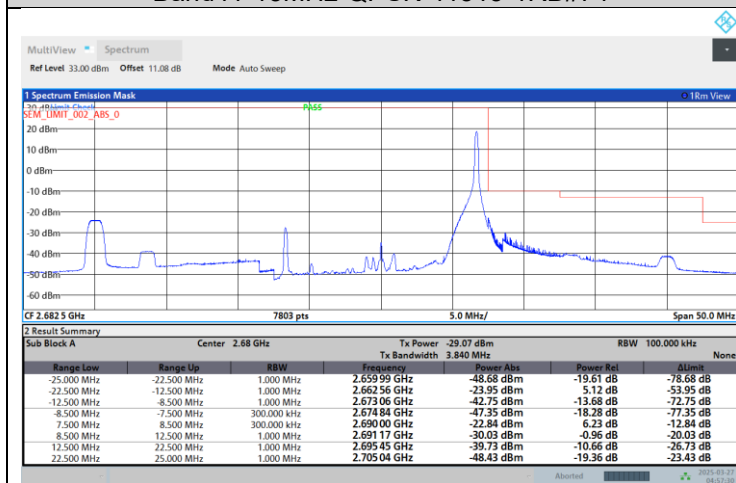
Band41-15MHz-QPSK-39725-75RB#0



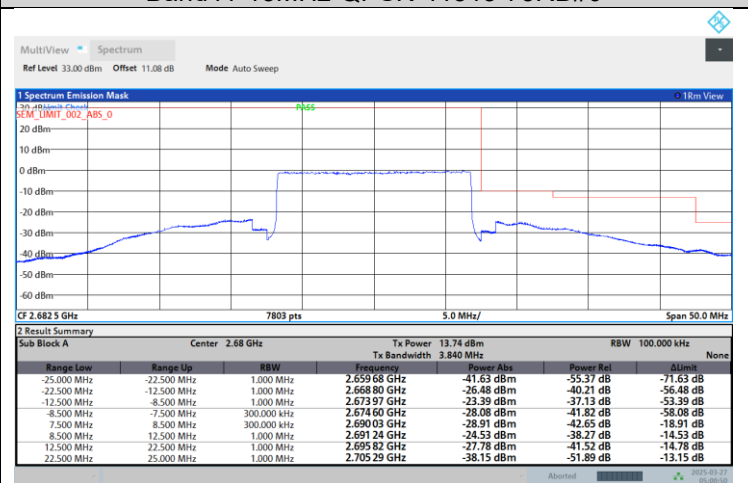
Band41-15MHz-QPSK-41515-1RB#74



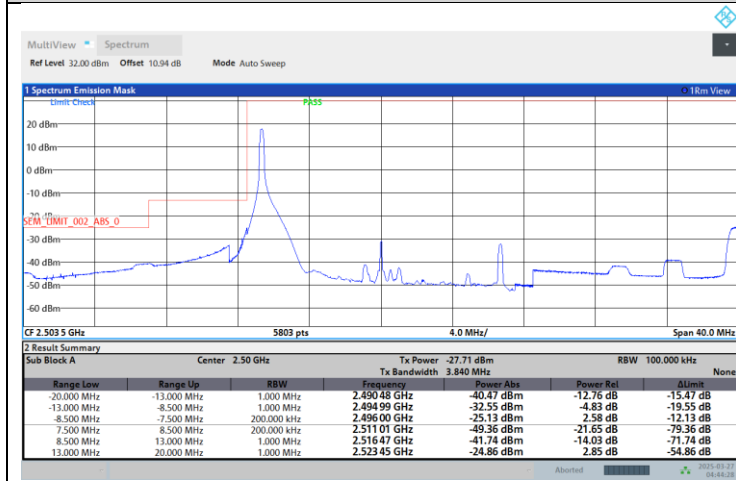
Band41-15MHz-QPSK-41515-75RB#0



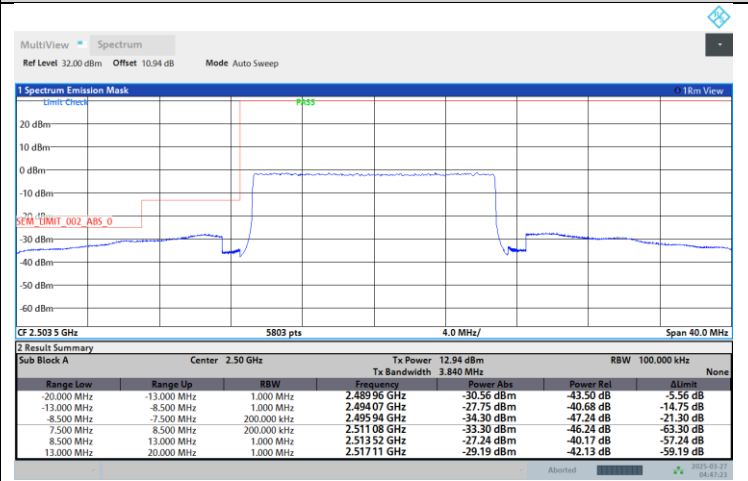
Band41-15MHz-16QAM-39725-1RB#0



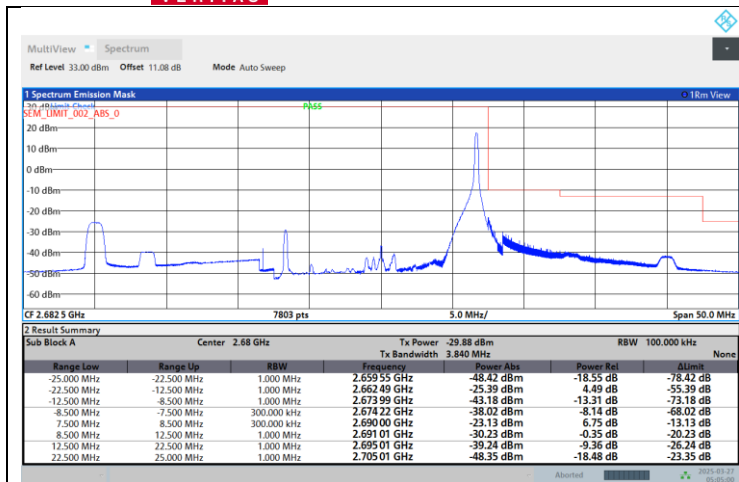
Band41-15MHz-16QAM-39725-75RB#0



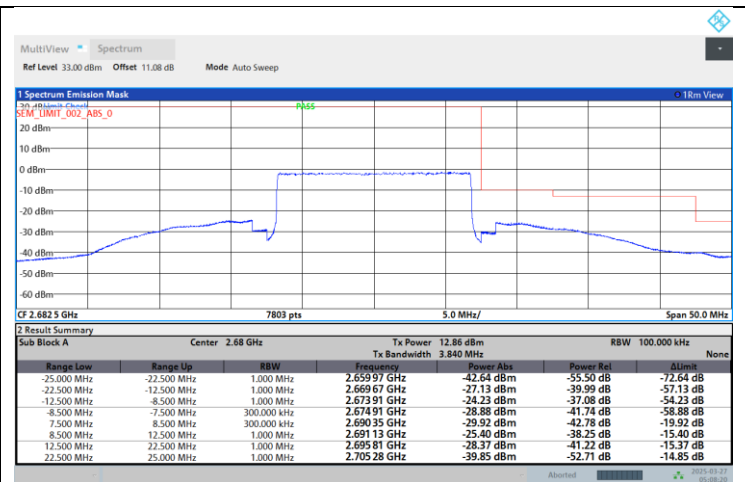
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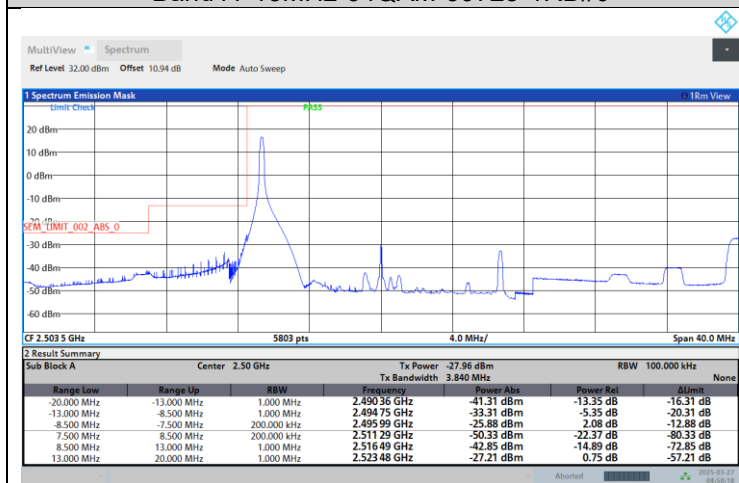
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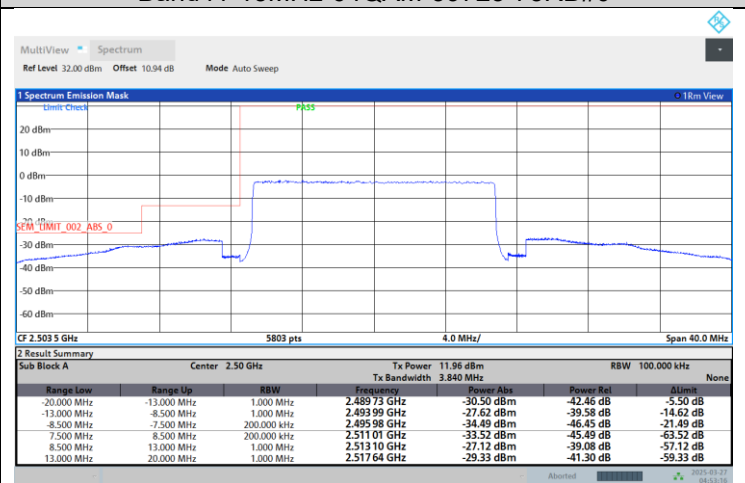
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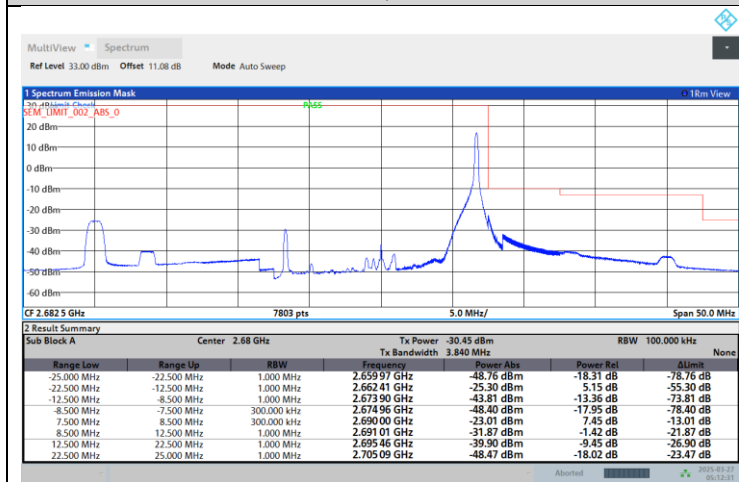
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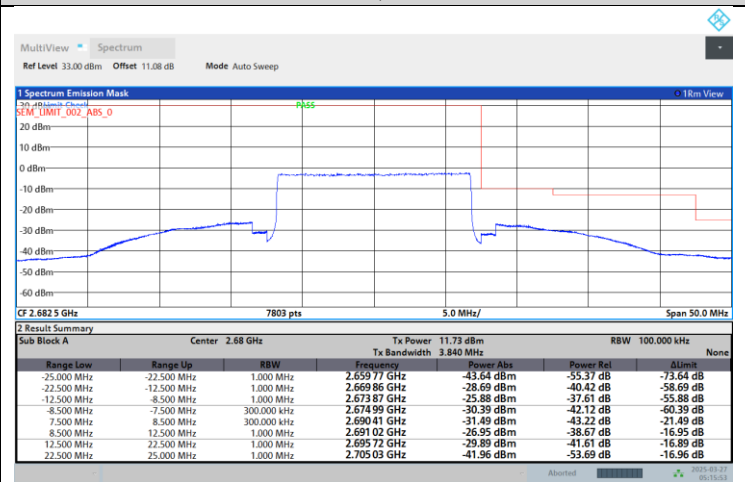
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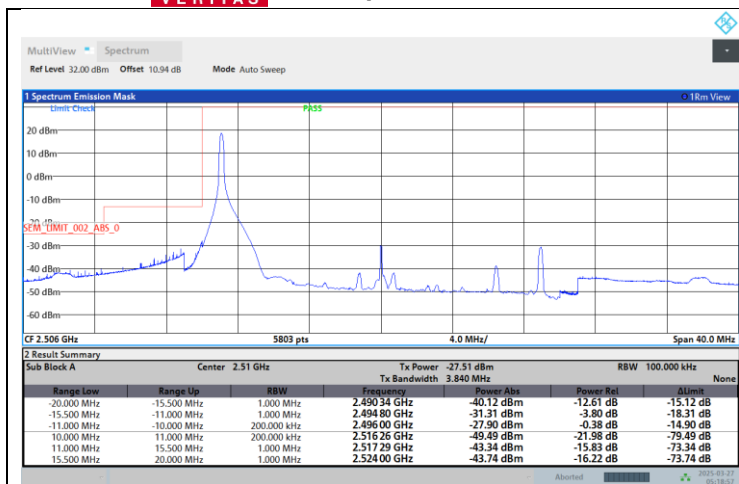
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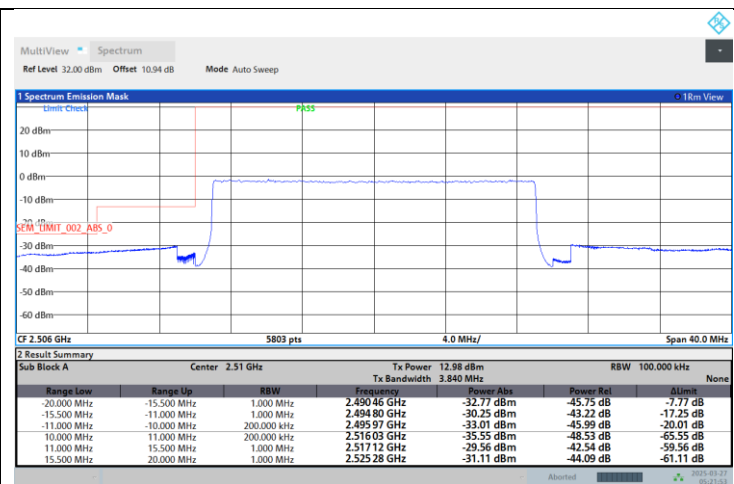
Band41-20MHz-QPSK-39750-1RB#0



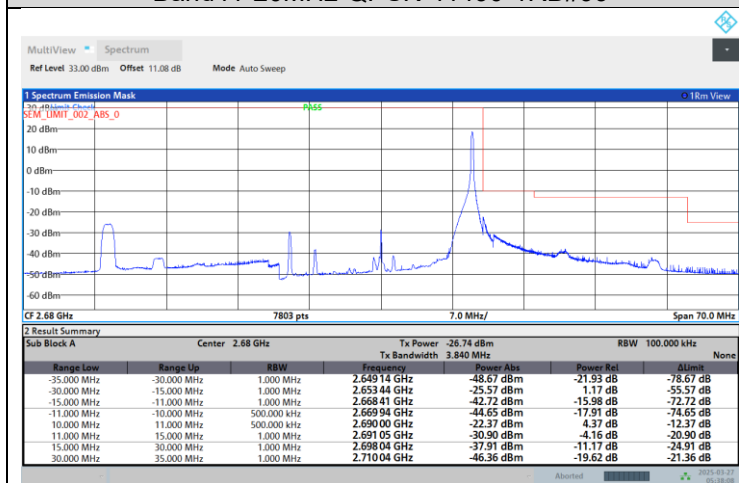
Band41-20MHz-QPSK-39750-100RB#0



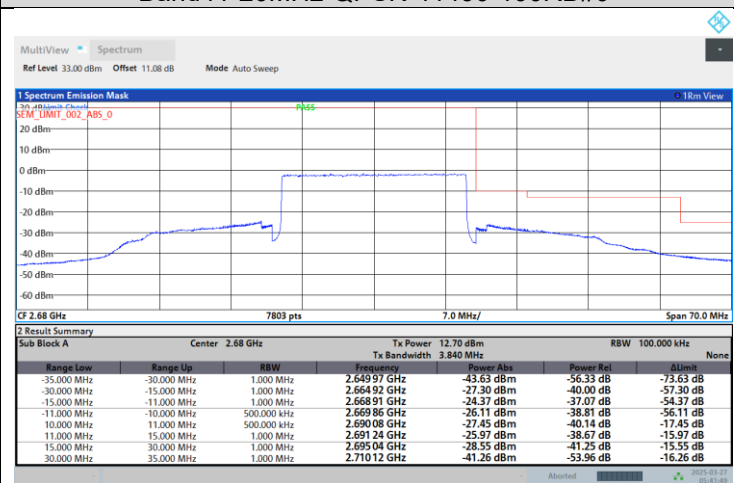
Band41-20MHz-QPSK-41490-1RB#99



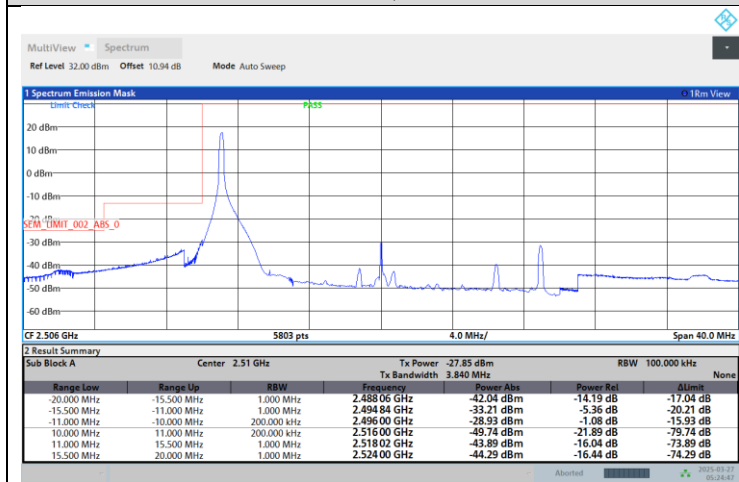
Band41-20MHz-QPSK-41490-100RB#0



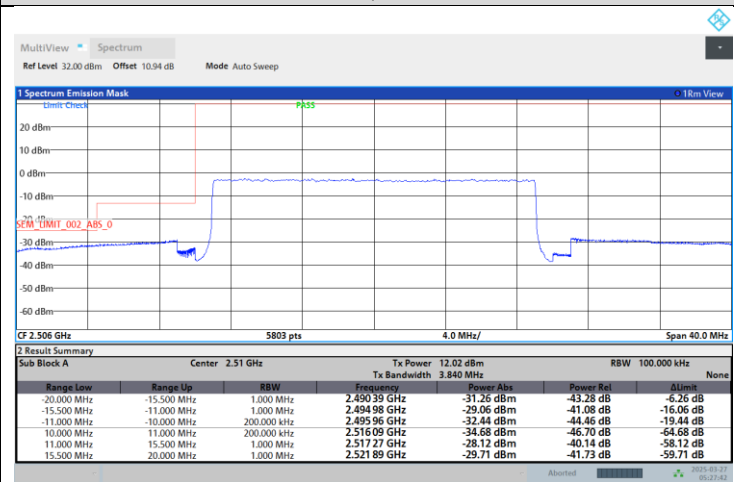
Band41-20MHz-16QAM-39750-1RB#0



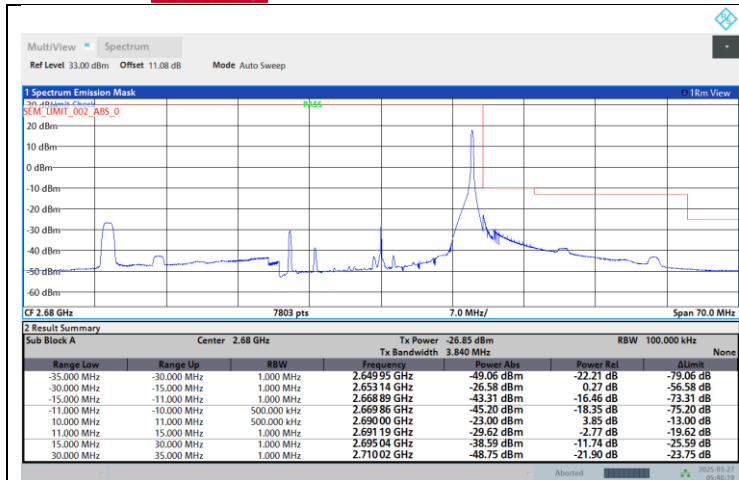
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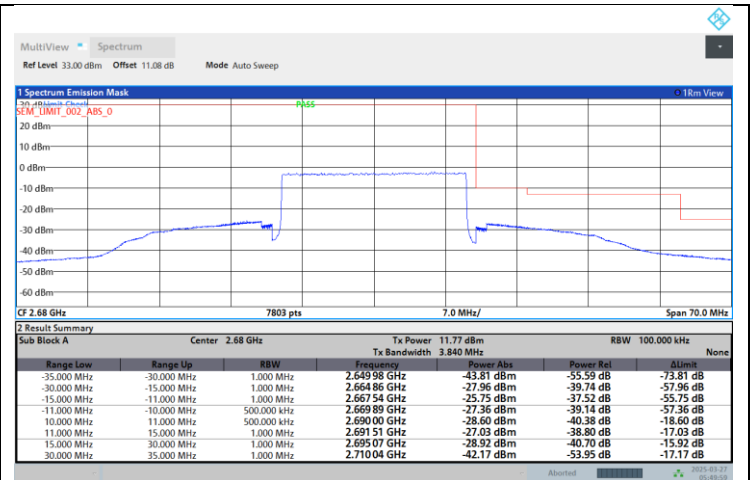
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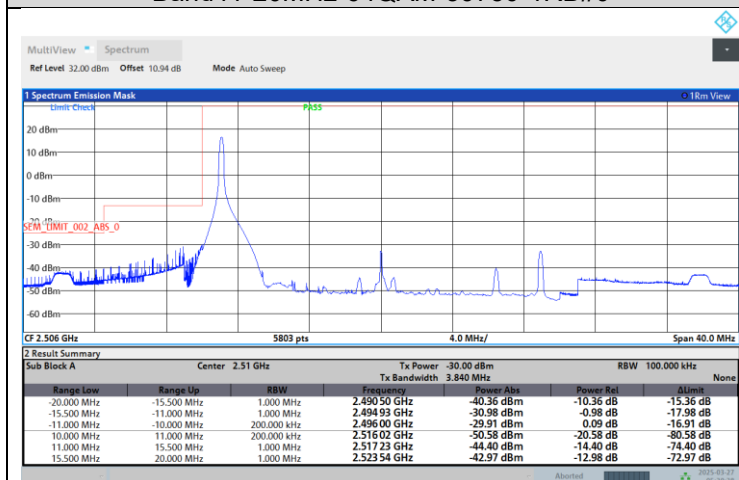
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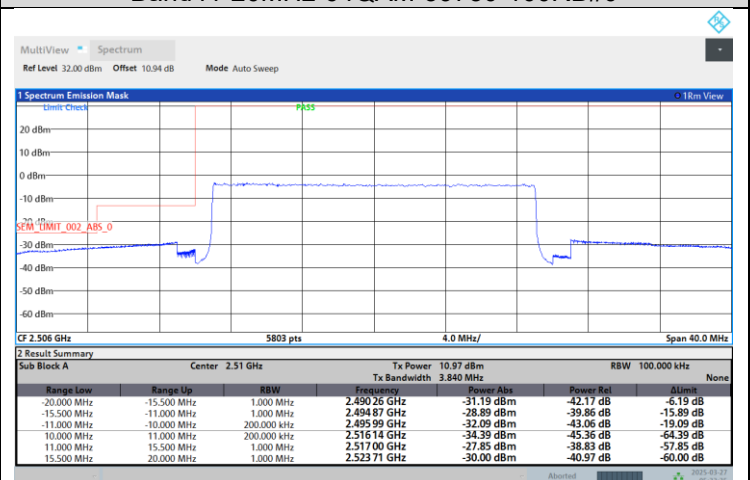
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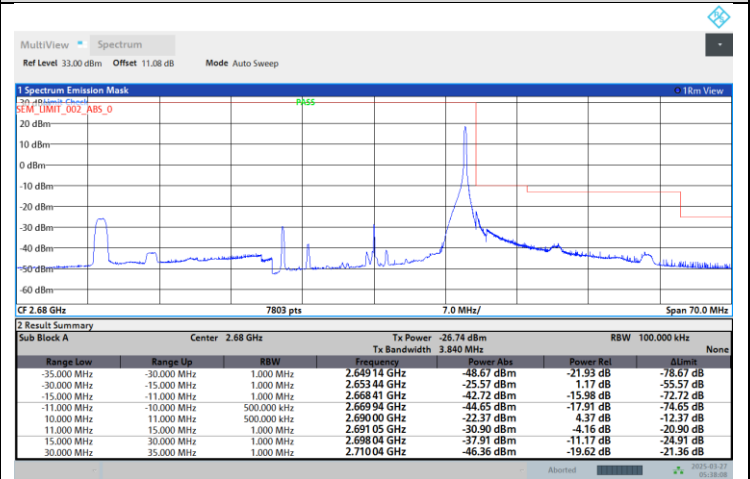
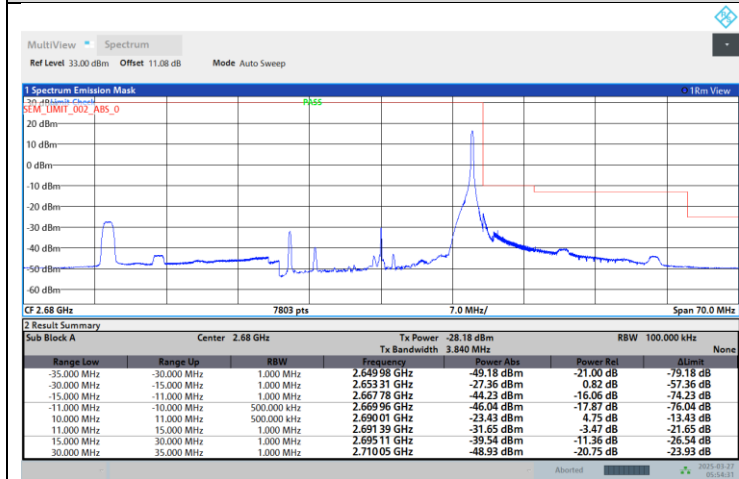
Band41-20MHz-64QAM-39750-100RB#0



Band41-20MHz-64QAM-41490-1RB#99



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





BUREAU VERITAS Test Report No.: PSU-QSU2503210311RF04

CONDUCTED SPURIOUS EMISSION

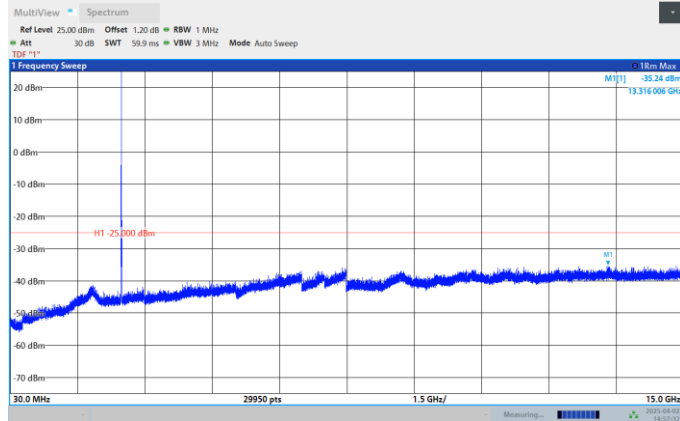
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range:15000~26900MHz	See Graph	PASS

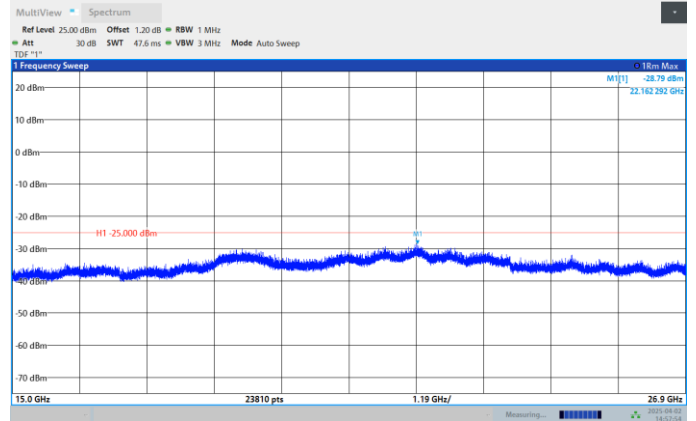


Test Graphs

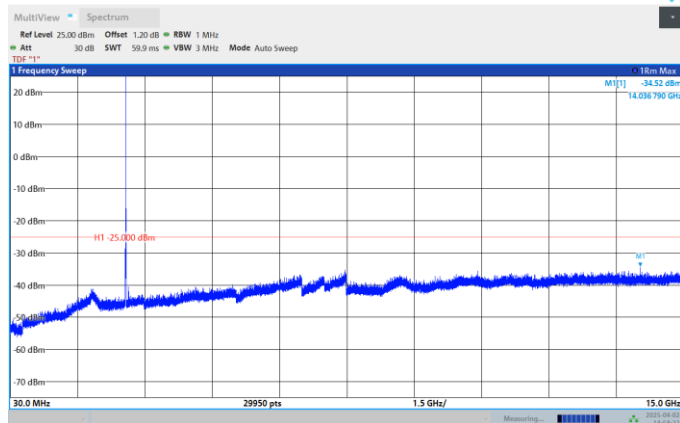
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Range:30~15000MHz



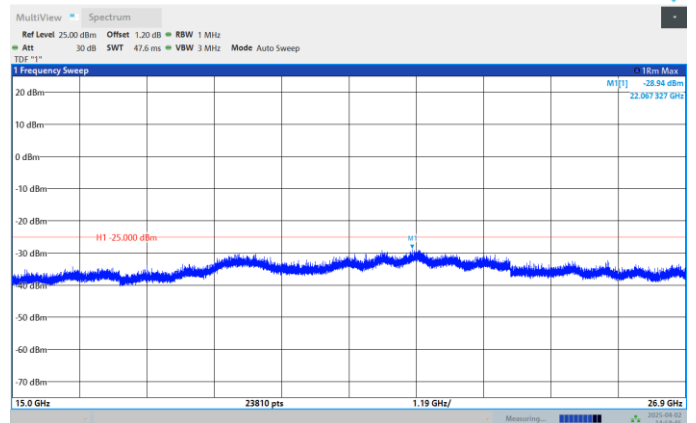
Band41-5MHz-QPSK-39675-1RB#0-
Range:15000~26900MHz



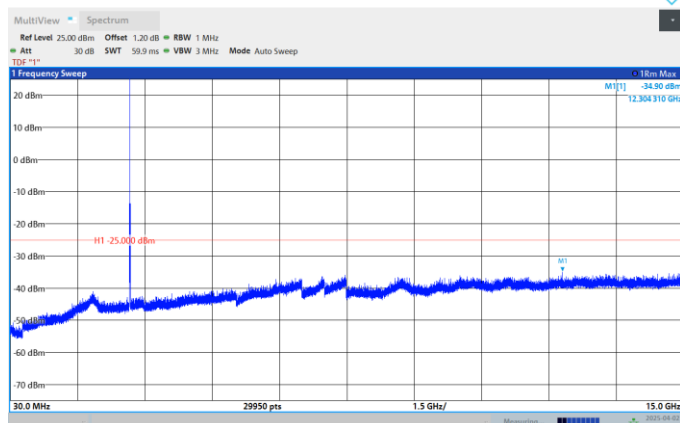
Band41-5MHz-QPSK-40620-1RB#0-
Range:30~15000MHz



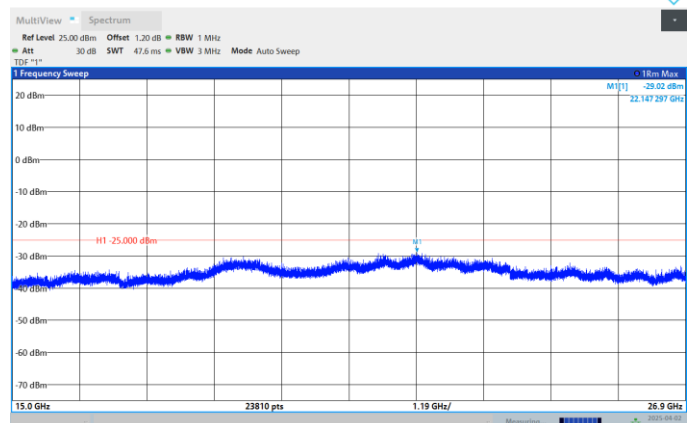
Band41-5MHz-QPSK-40620-1RB#0-
Range:15000~26900MHz



Band41-5MHz-QPSK-41565-1RB#0-
Range:30~15000MHz

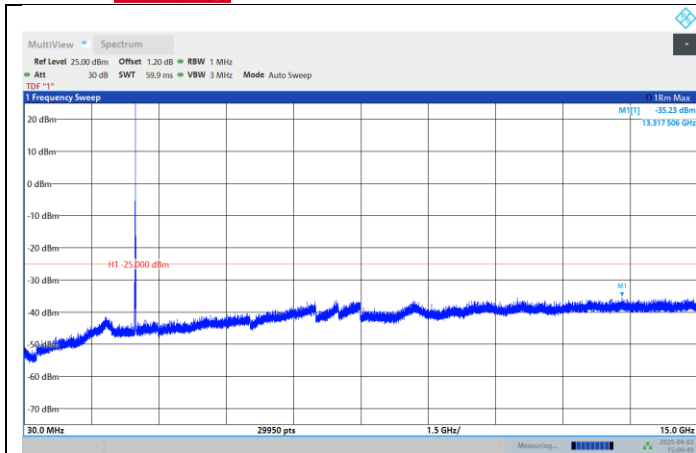


Band41-5MHz-QPSK-41565-1RB#0-
Range:15000~26900MHz

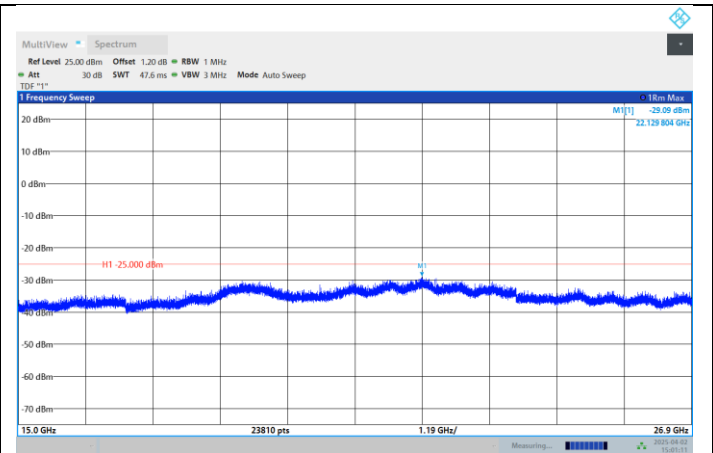


Band41-10MHz-QPSK-39700-1RB#0-
Range:30~15000MHz

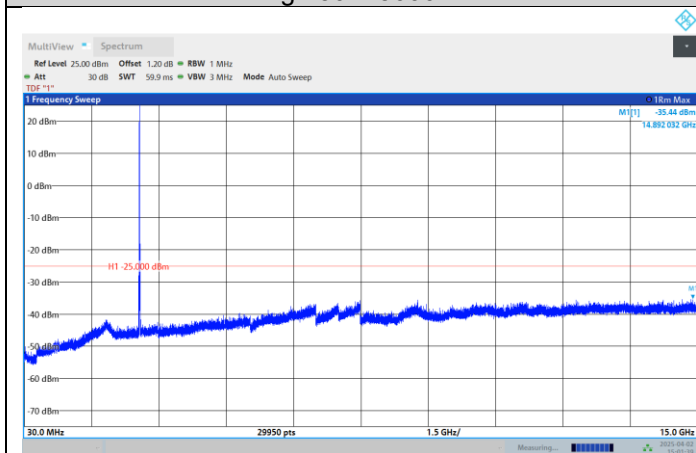
Band41-10MHz-QPSK-39700-1RB#0-
Range:15000~26900MHz



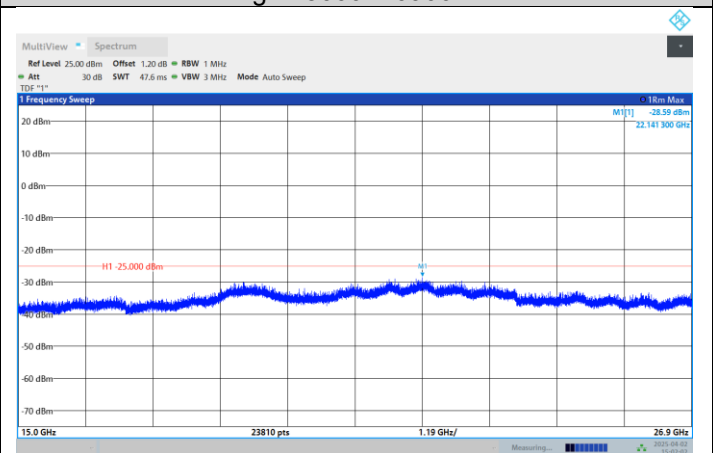
Band41-10MHz-QPSK-40620-1RB#0-
Range:30~15000MHz



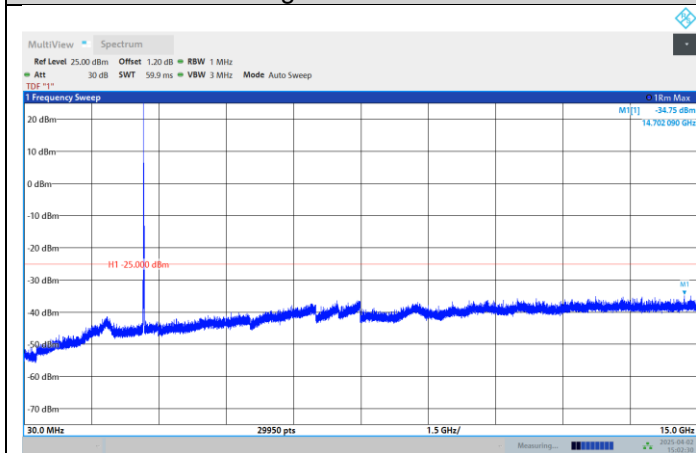
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Range:15000~26900MHz



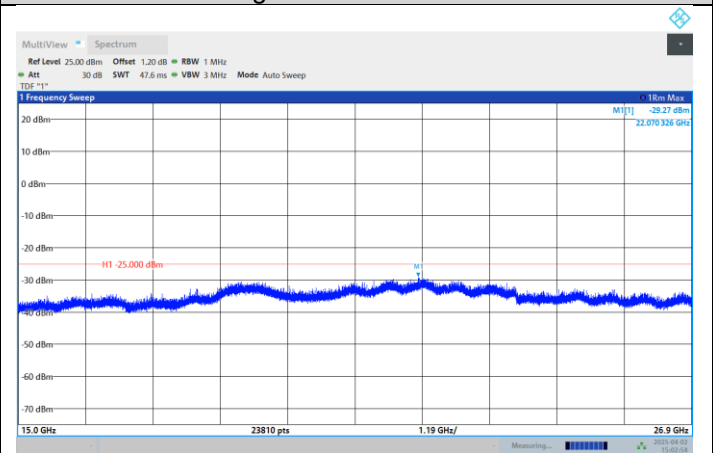
Band41-10MHz-QPSK-41540-1RB#0-
Range:30~15000MHz



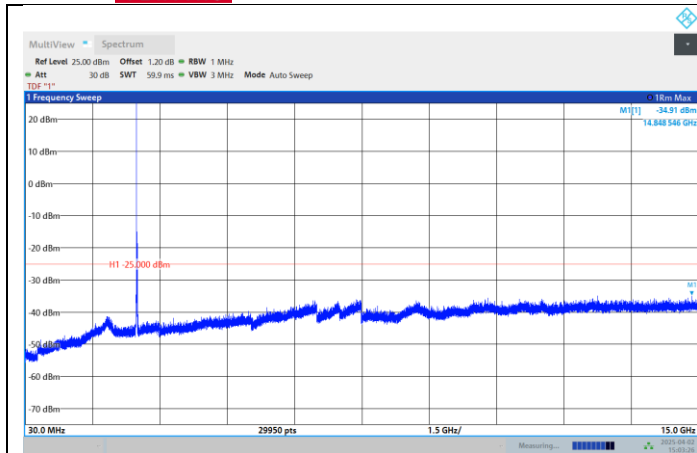
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Range:15000~26900MHz



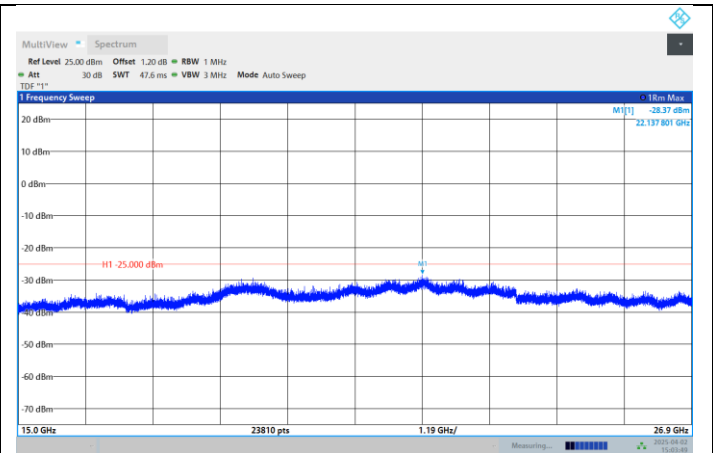
Band41-15MHz-QPSK-39725-1RB#0-
Range:30~15000MHz



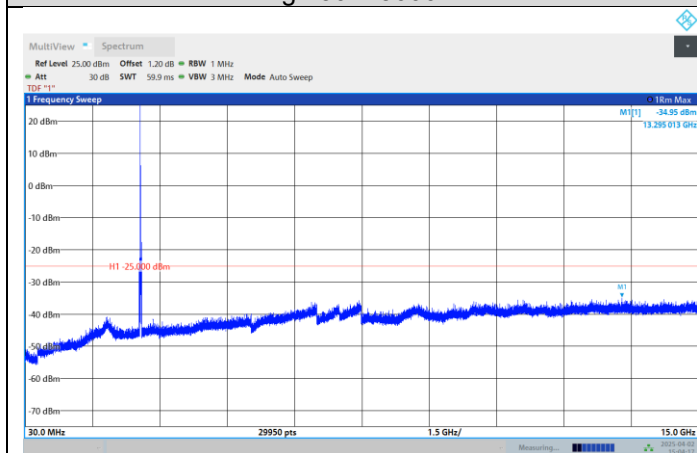
Band41-15MHz-QPSK-39725-1RB#0-
Range:15000~26900MHz



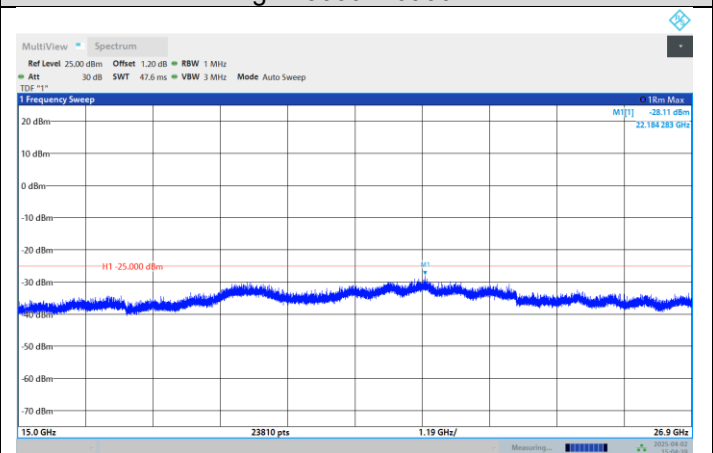
Band41-15MHz-QPSK-40620-1RB#0-
Range:30~15000MHz



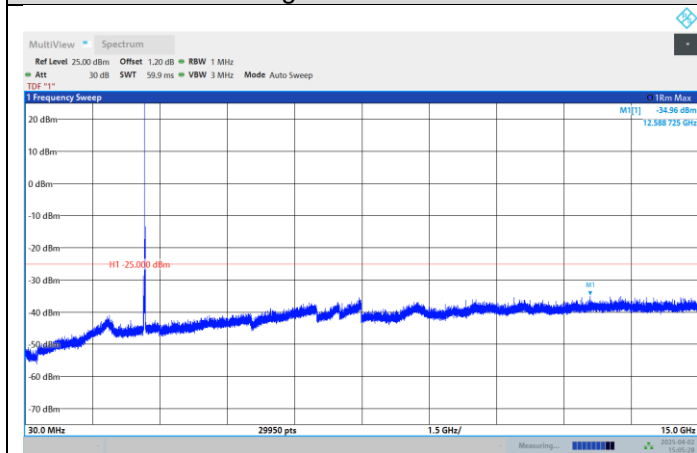
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Range:15000~26900MHz



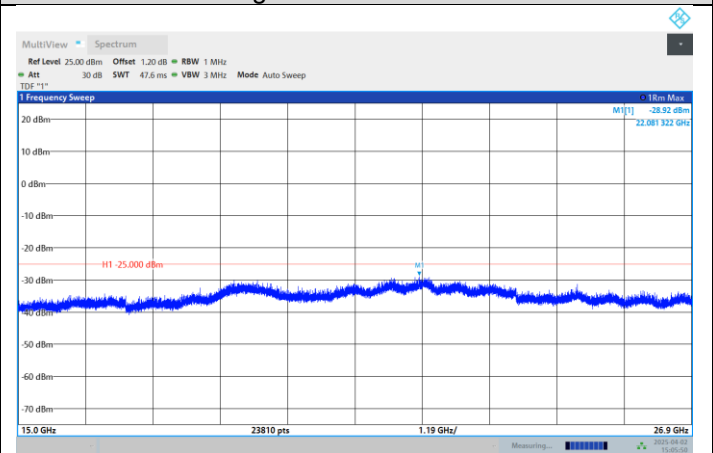
Band41-15MHz-QPSK-41515-1RB#0-
Range:30~15000MHz



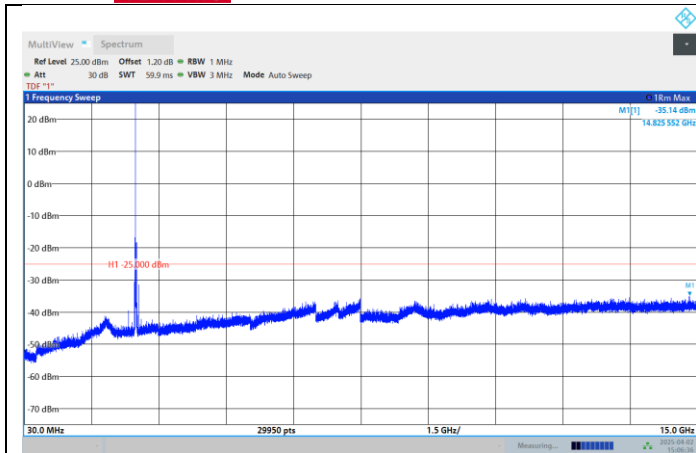
Band41-15MHz-QPSK-41515-1RB#0-
Range:15000~26900MHz



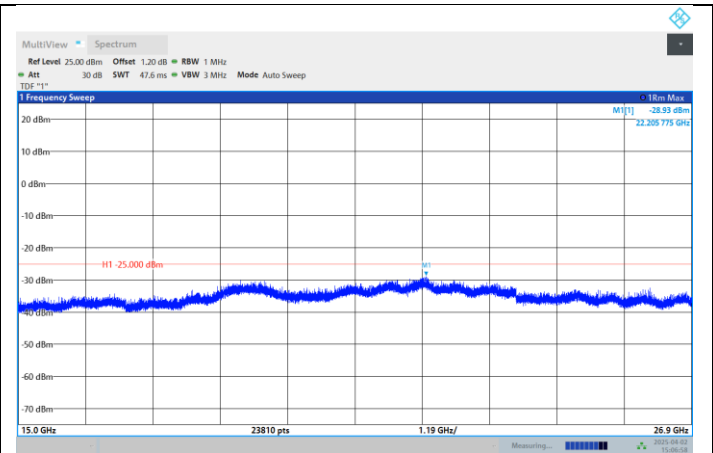
Band41-20MHz-QPSK-39750-1RB#0-
Range:30~15000MHz



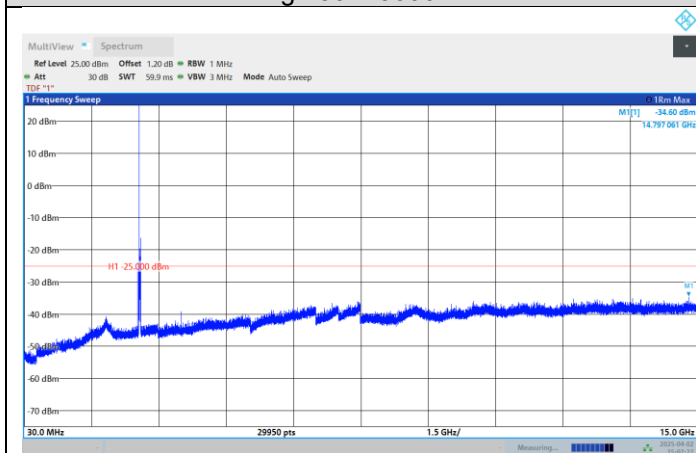
Band41-20MHz-QPSK-39750-1RB#0-
Range:15000~26900MHz



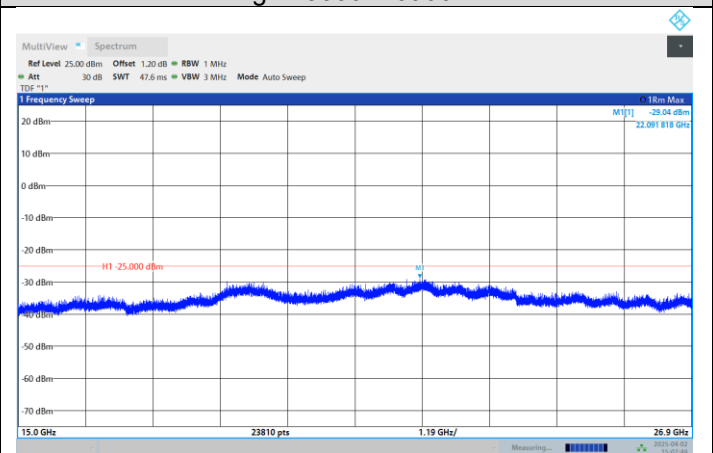
Band41-20MHz-QPSK-40620-1RB#0-
Range:30~15000MHz



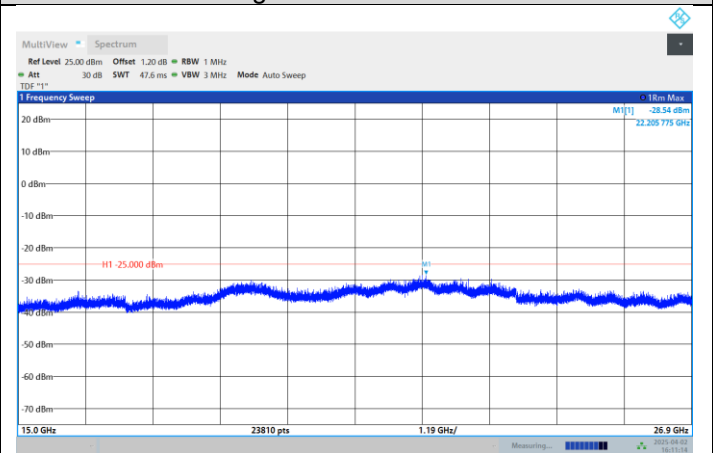
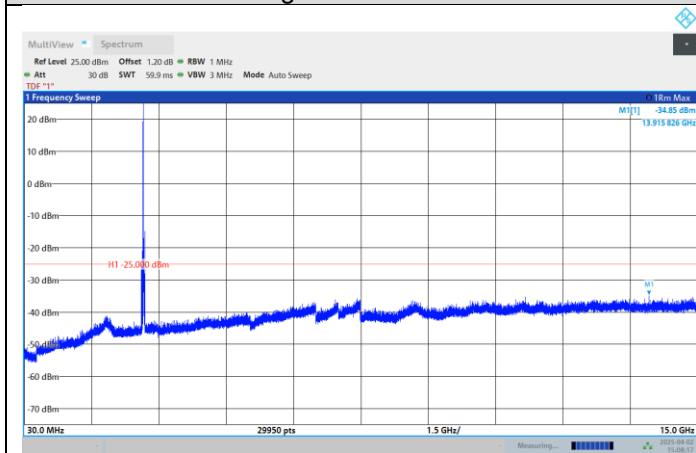
Band41-20MHz-QPSK-40620-1RB#0-
Range:15000~26900MHz



Band41-20MHz-QPSK-41490-1RB#0-
Range:30~15000MHz



Band41-20MHz-QPSK-41490-1RB#0-
Range:15000~26900MHz





FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	LV	NT	11.04	0.0044	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	NT	-23.94	-0.0096	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	HV	NT	-24.74	-0.0099	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	LV	NT	10.64	0.0041	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	NT	11.03	0.0043	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	HV	NT	-33.77	-0.0130	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	LV	NT	-0.80	-0.0003	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	NT	-19.49	-0.0073	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	HV	NT	8.07	0.0030	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	-6.82	-0.0027	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	31.23	0.0125	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-8.46	-0.0034	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-15.72	-0.0063	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	2.01	0.0008	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	10.55	0.0042	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-25.25	-0.0101	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-2.79	-0.0011	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	26.26	0.0105	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	9.40	0.0036	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-4.00	-0.0015	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-23.28	-0.0090	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	33.78	0.0130	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-12.43	-0.0048	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	8.70	0.0034	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	6.89	0.0027	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-8.27	-0.0032	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.86	-0.0007	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	-33.29	-0.0124	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-21.49	-0.0080	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	16.05	0.0060	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-9.42	-0.0035	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	4.11	0.0015	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	29.57	0.0110	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-30.95	-0.0115	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	-27.08	-0.0101	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-17.34	-0.0065	±2.5	PASS



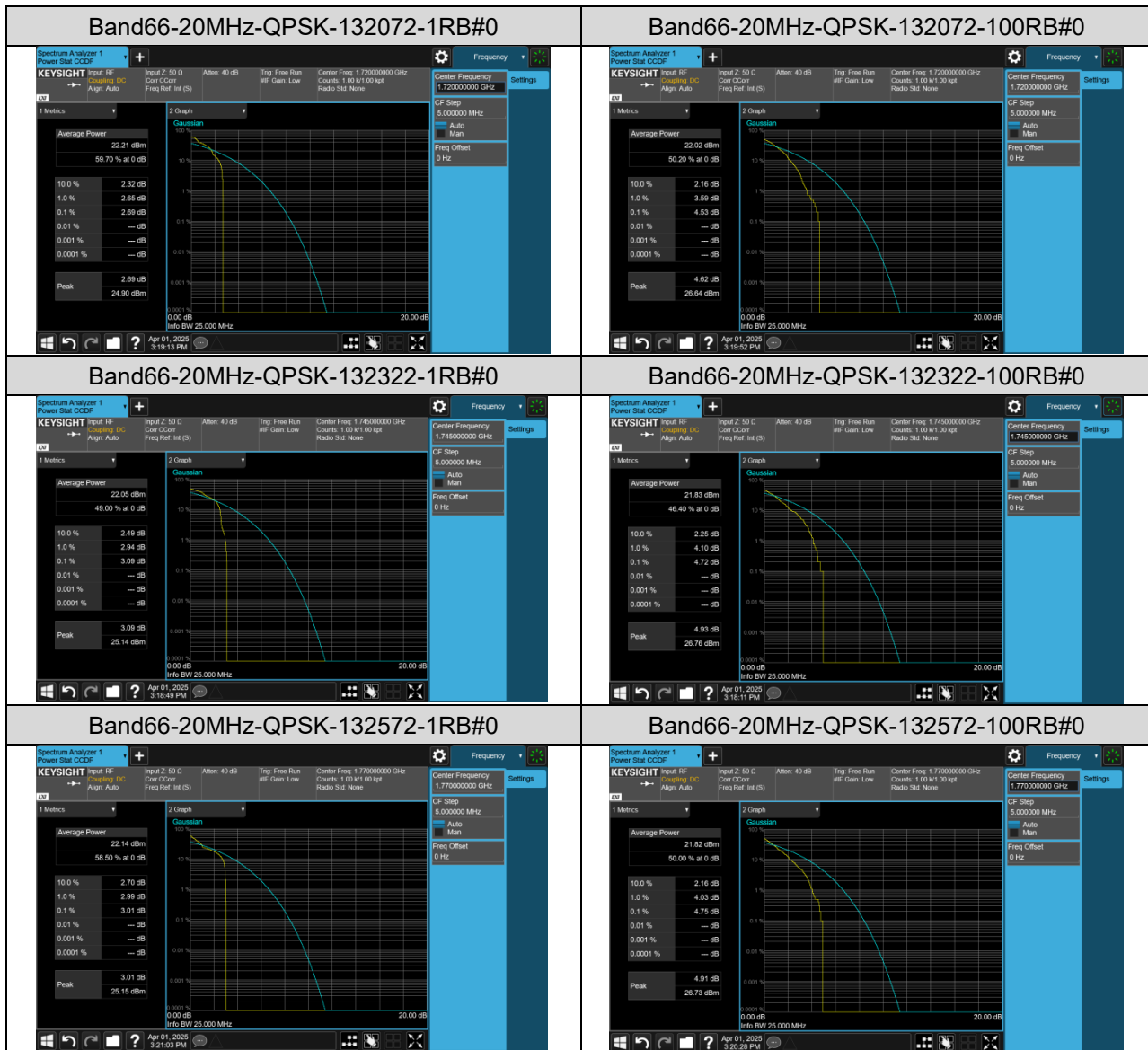
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	2.69	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	4.53	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	3.09	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.72	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	3.01	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.75	13	PASS



Test Graphs





BUREAU VERITAS Test Report No.: PSU-QSU2503210311RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.086	1.29	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.091	1.28	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.093	1.28	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.095	1.33	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.087	1.30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.091	1.26	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.087	1.26	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.095	1.28	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.089	1.28	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.694	2.86	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.690	2.90	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.688	2.86	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.693	2.89	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.685	2.88	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.696	2.88	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.692	2.87	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.687	2.87	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.694	2.88	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.499	5.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.497	5.04	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.485	5.02	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.488	5.07	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.500	5.02	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.494	5.00	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.489	4.96	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.498	5.00	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.487	5.02	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.986	9.89	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.963	9.92	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.971	9.77	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.967	9.89	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.974	9.68	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.969	9.77	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.971	9.80	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.966	9.86	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.980	9.86	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.530	14.97	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.468	14.93	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.503	15.06	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.504	14.93	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.508	14.88	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.513	14.84	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.465	14.84	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.511	14.97	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.525	14.84	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.976	19.24	PASS

**Test Report No.: PSU-QSU2503210311RF04**

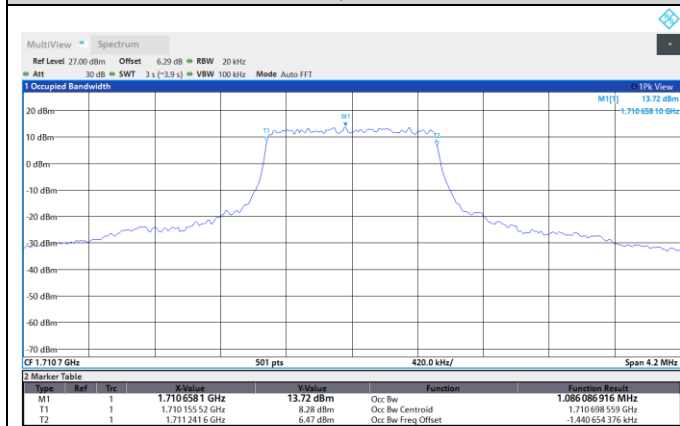
Band66	20MHz	QPSK	132322	100RB#0	17.937	19.36	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.913	19.48	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.960	19.42	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.968	19.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.959	19.42	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.942	19.48	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.921	19.42	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.951	19.18	PASS



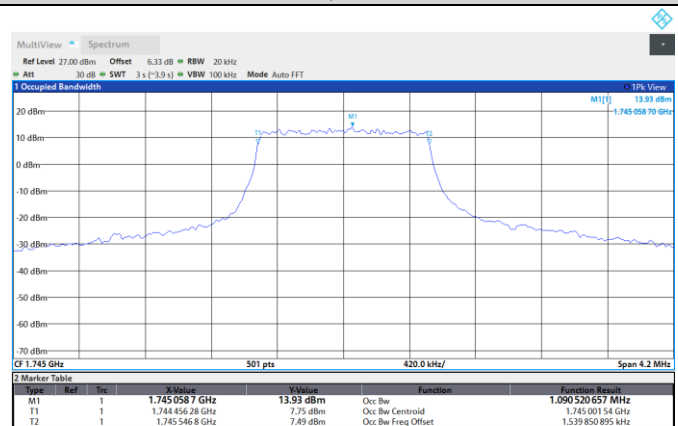
Test Graphs

Occupied Bandwidth

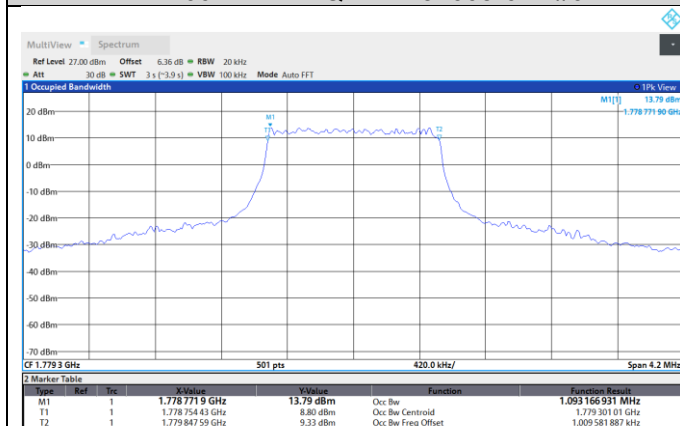
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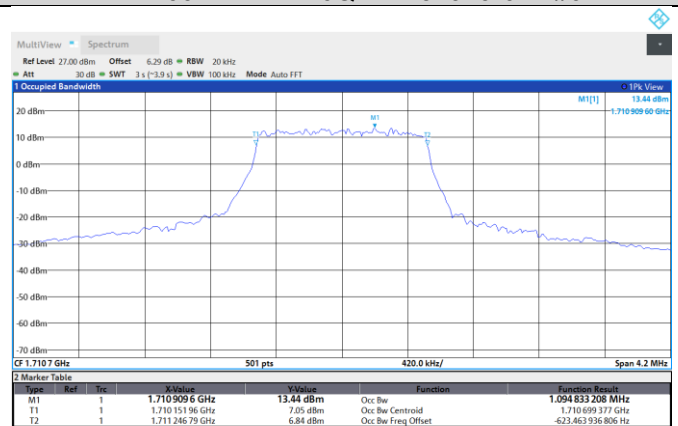
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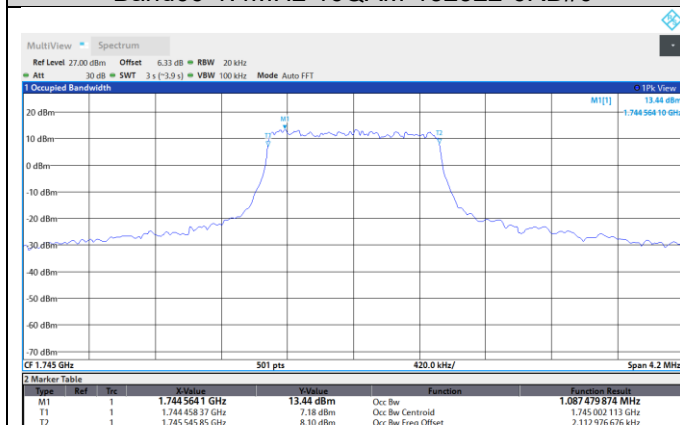
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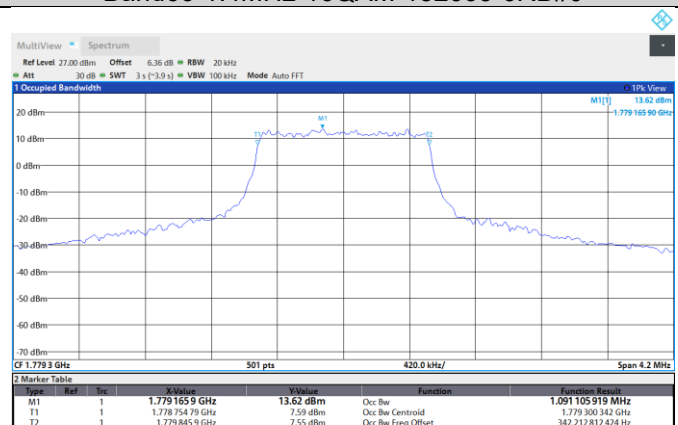
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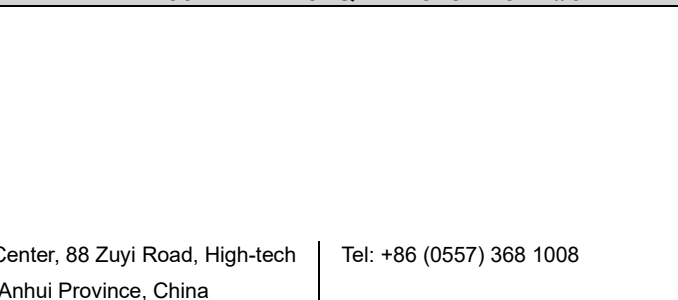
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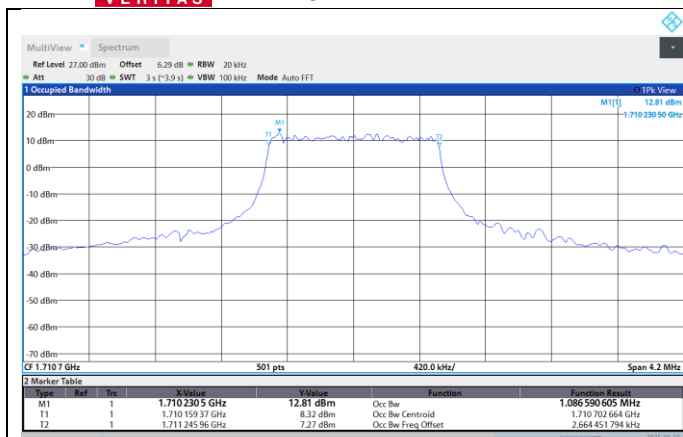


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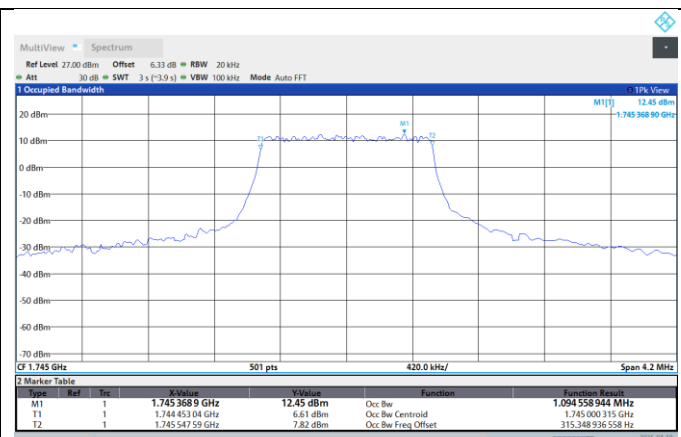


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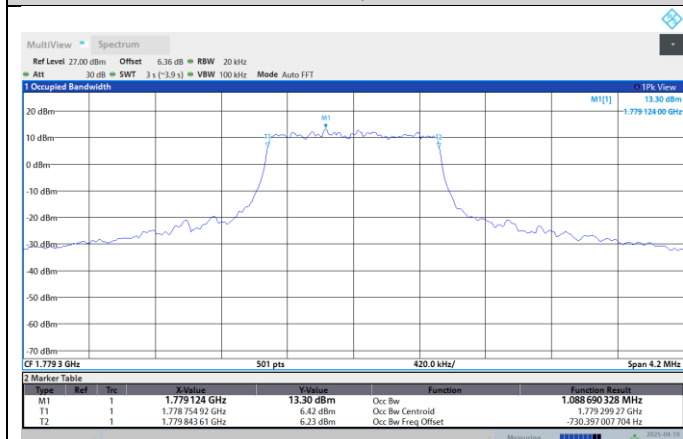




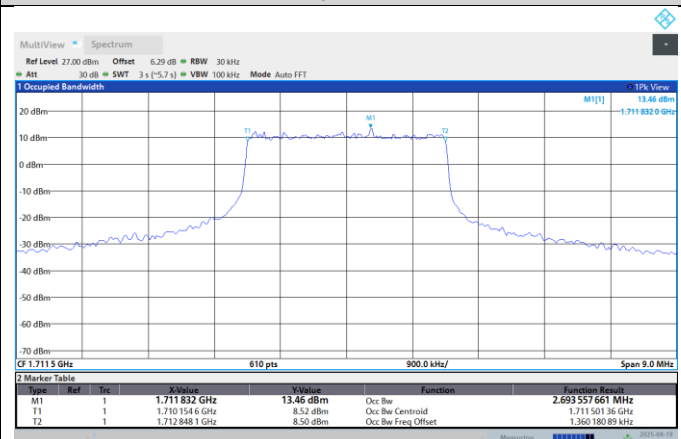
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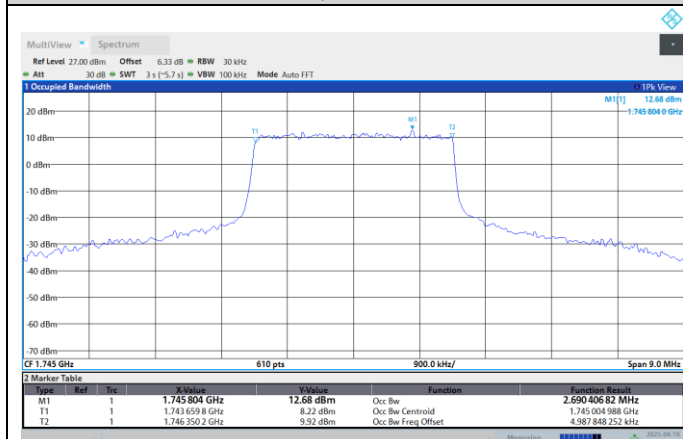
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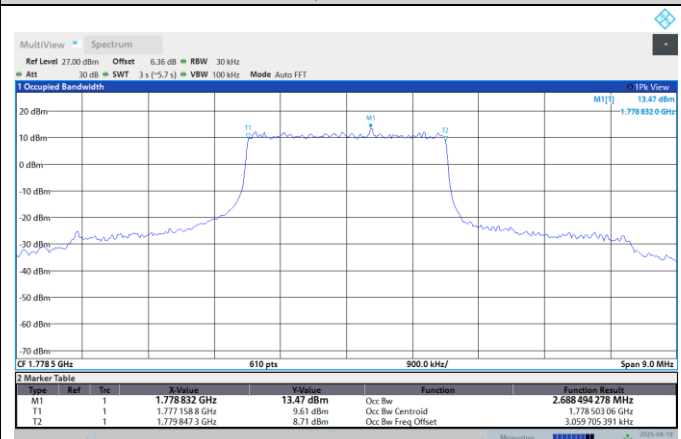
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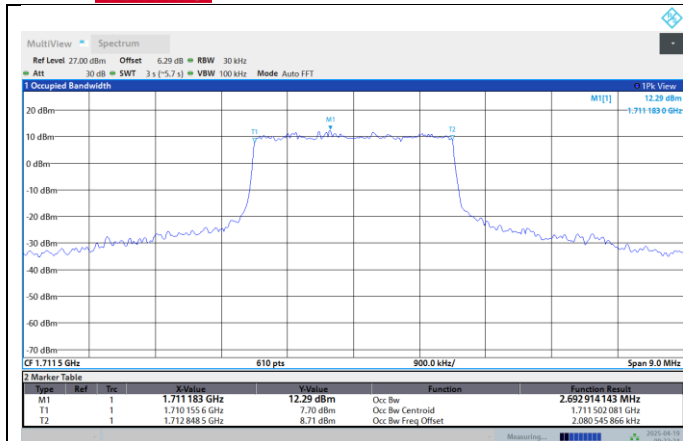
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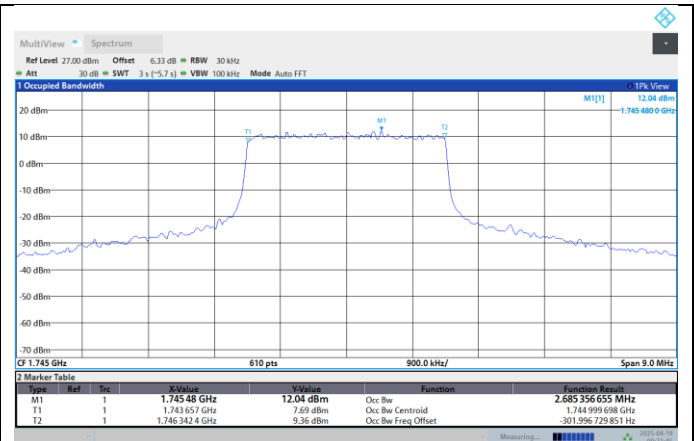
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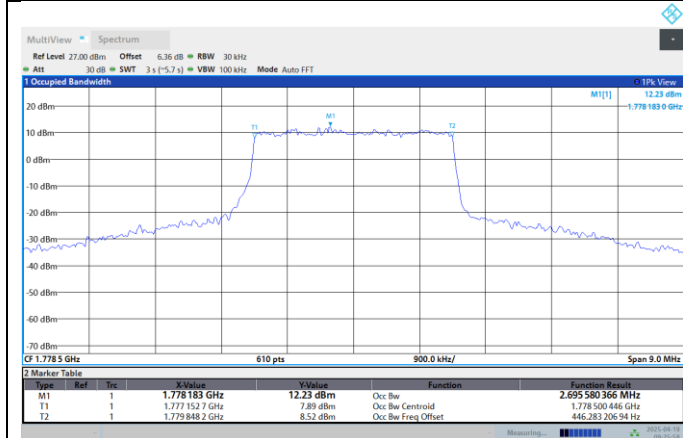
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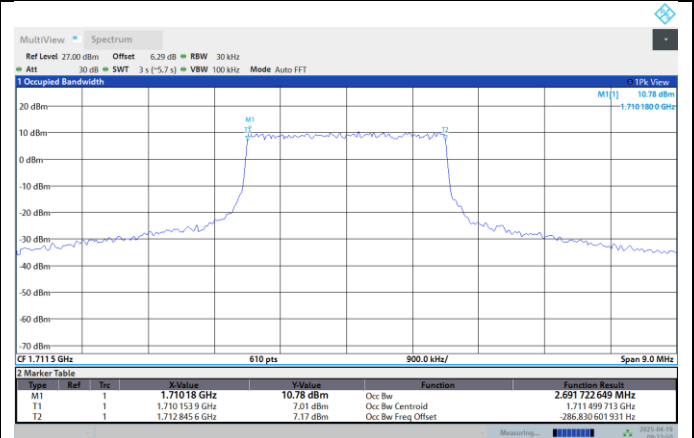
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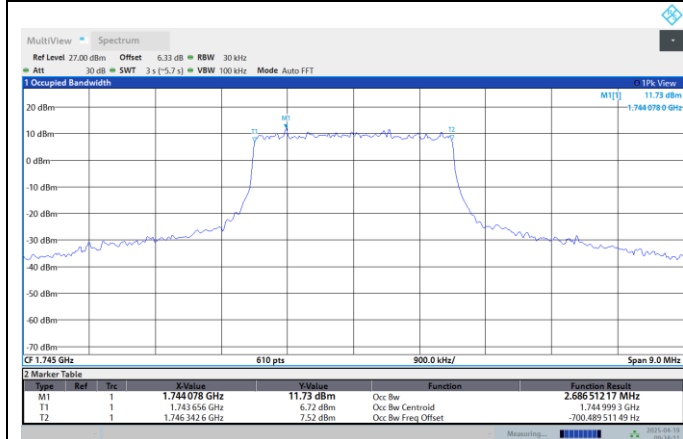
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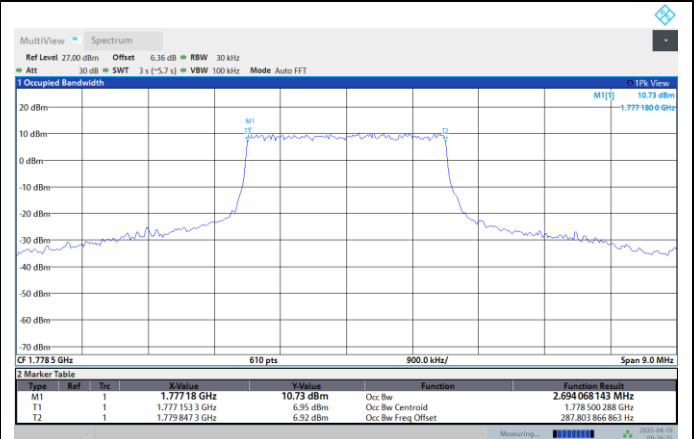
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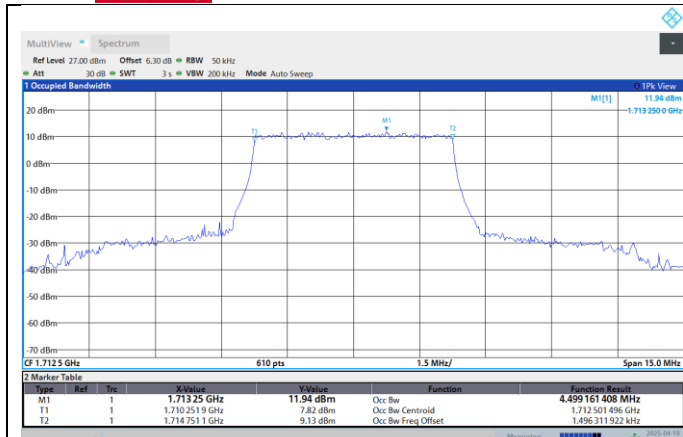
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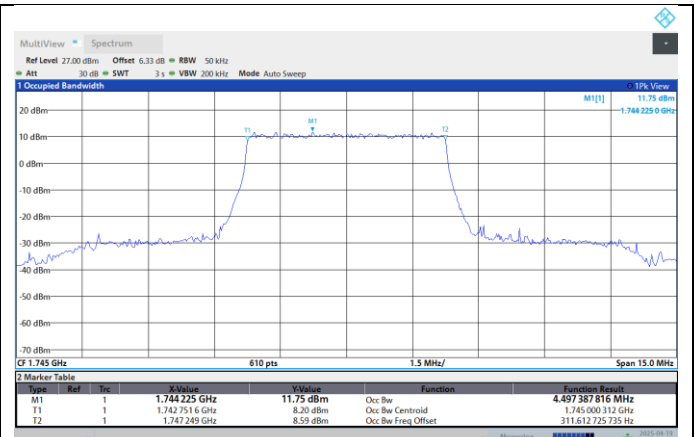
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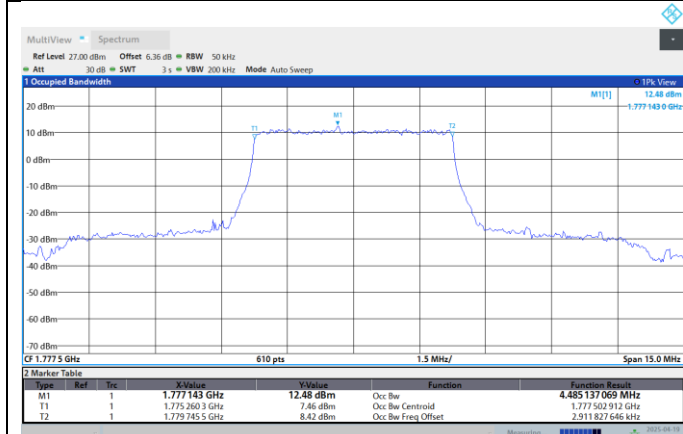
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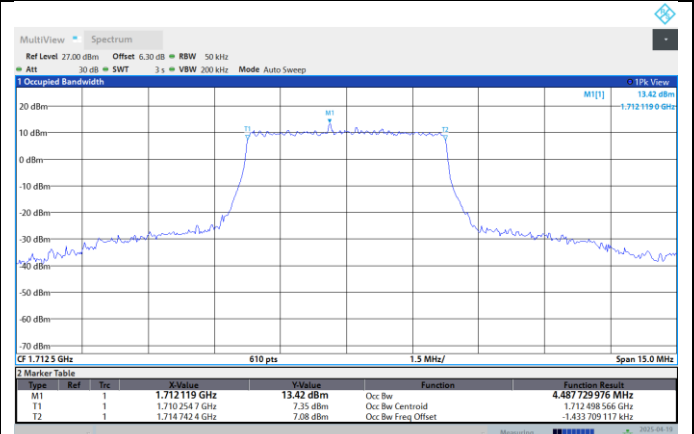
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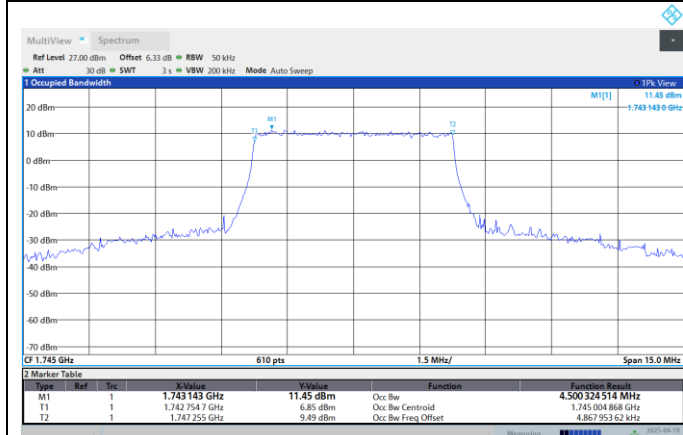
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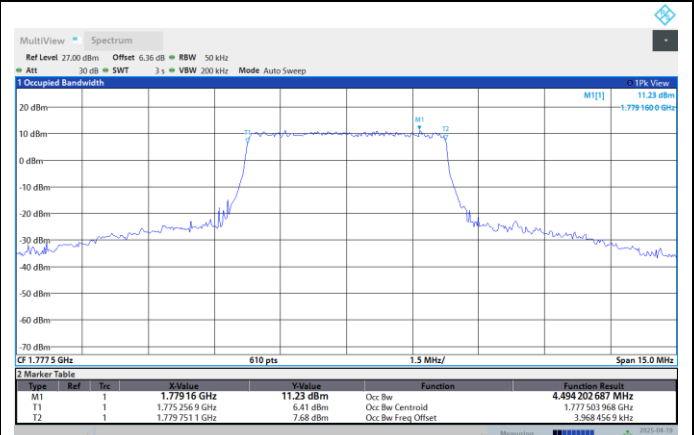
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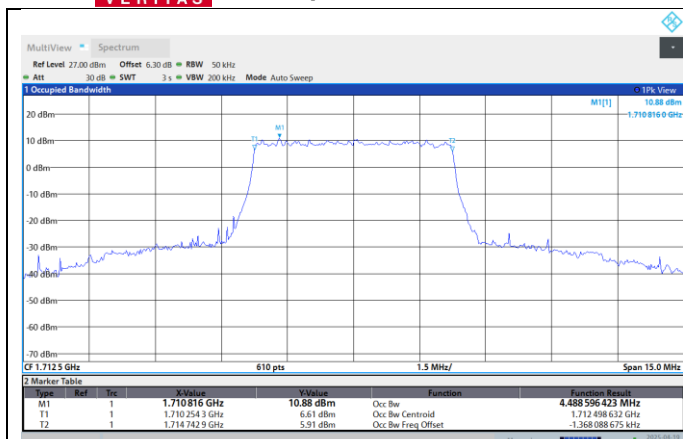
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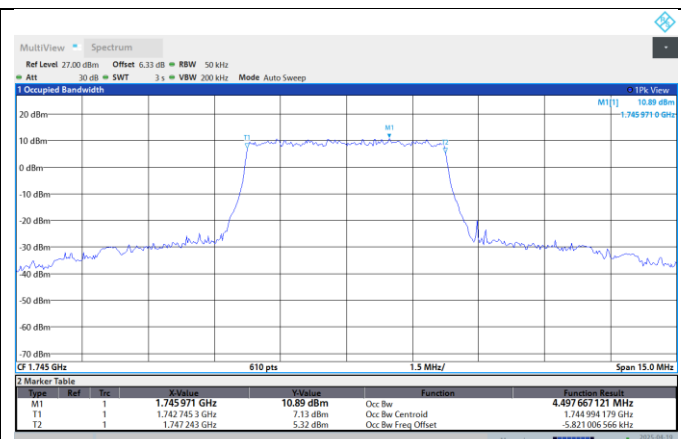
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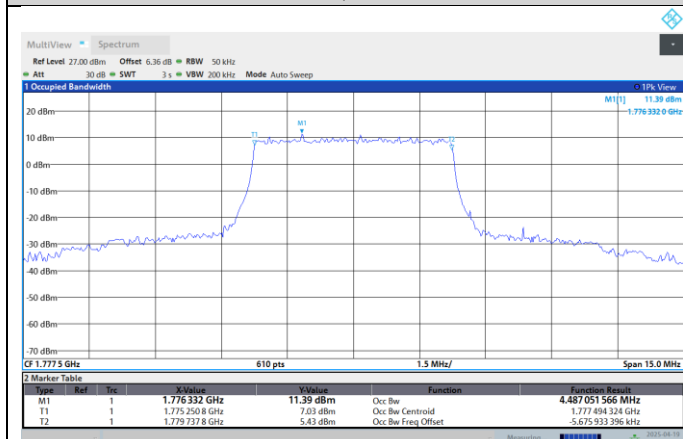
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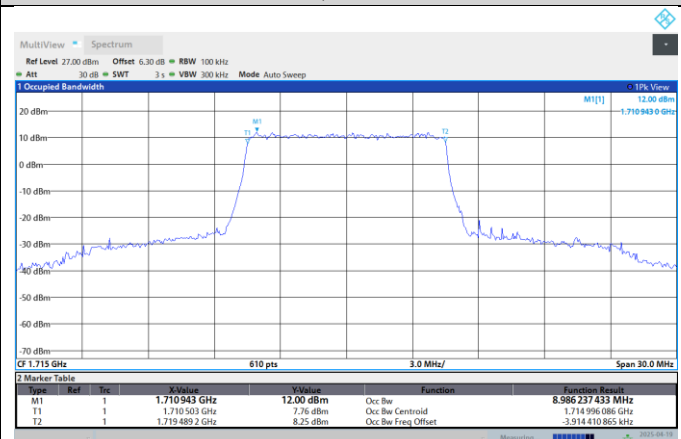
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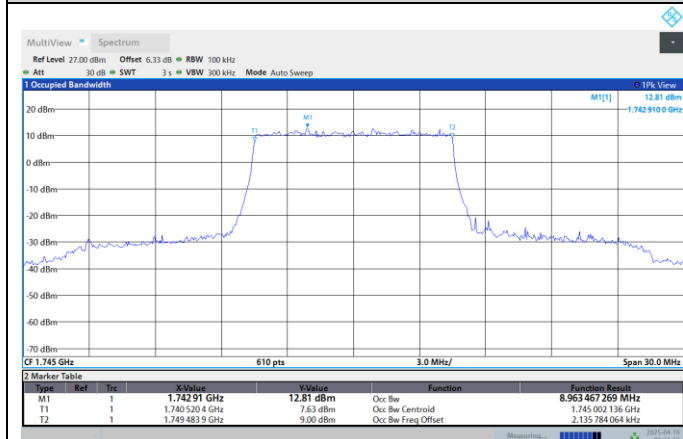
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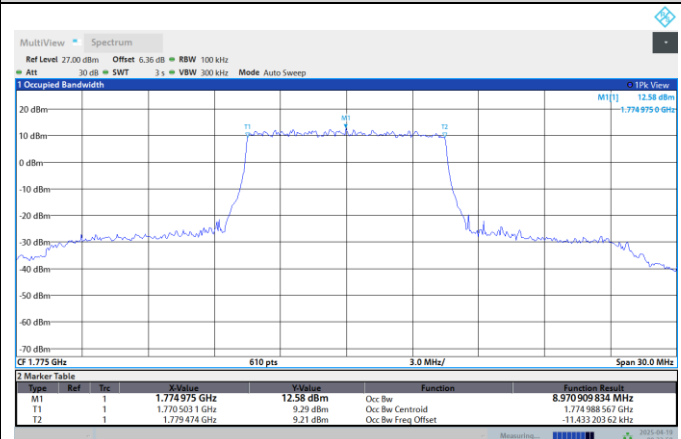
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