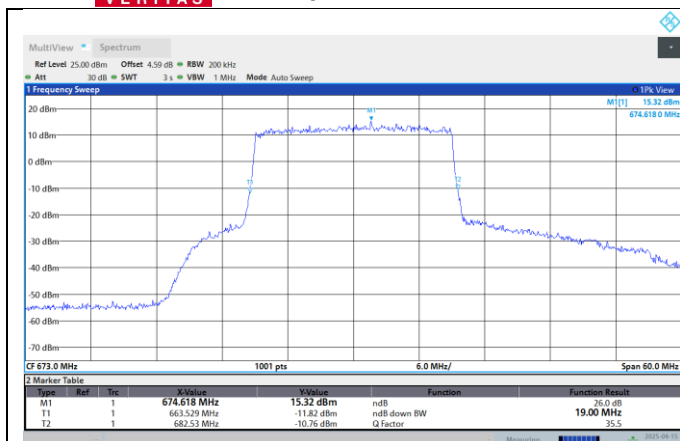


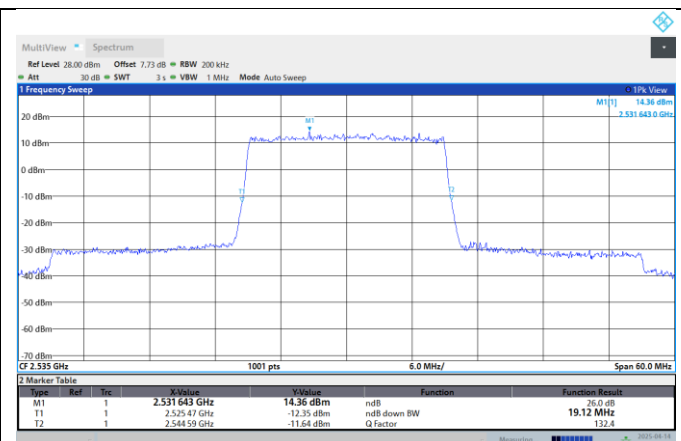


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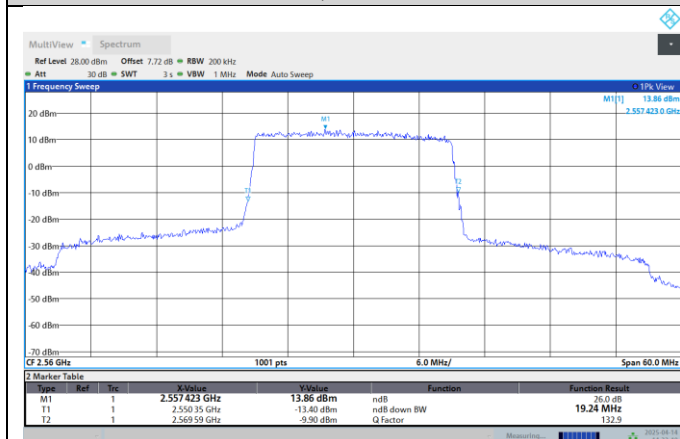
Test Report No.: PSZ-QSZ2504020109RF03



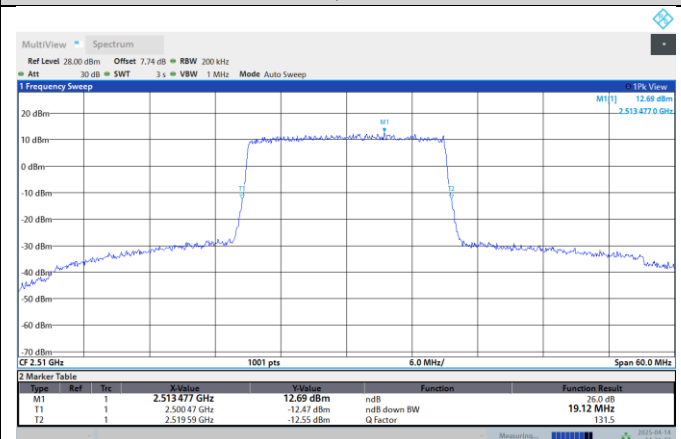
Band7-20MHz-QPSK-21350-100RB#0



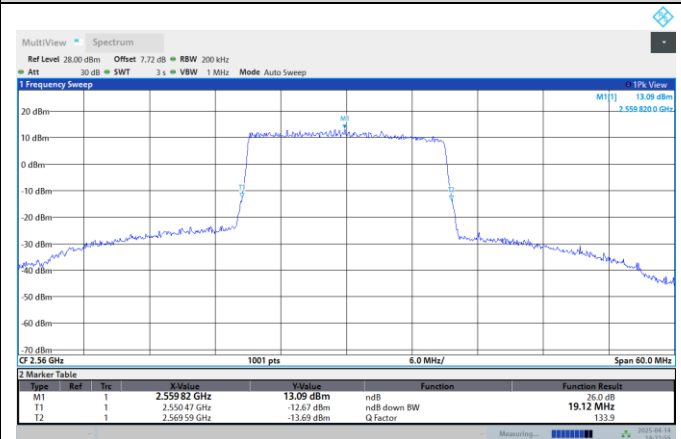
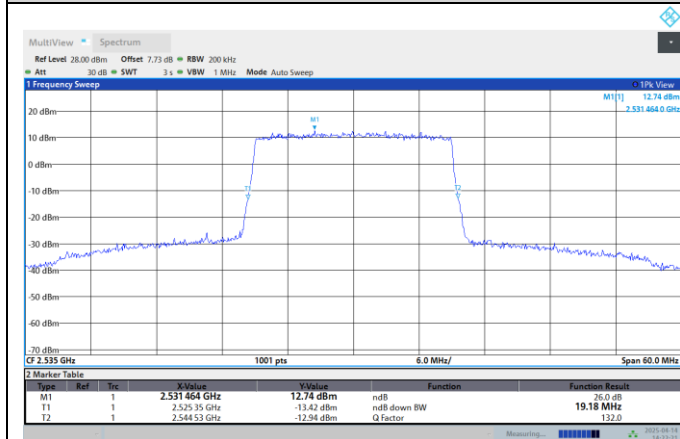
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0





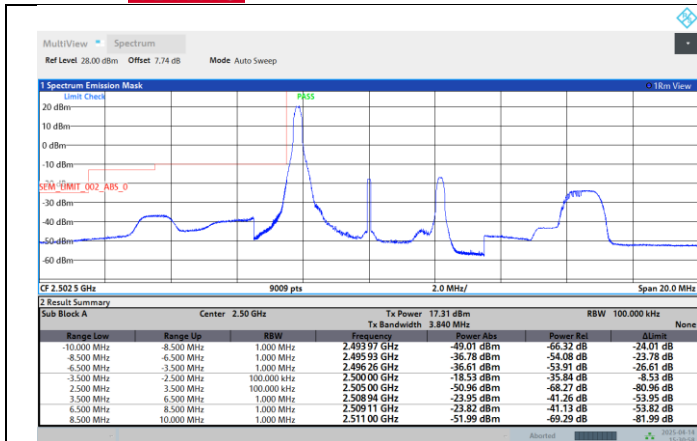
BAND EDGE

Test Result

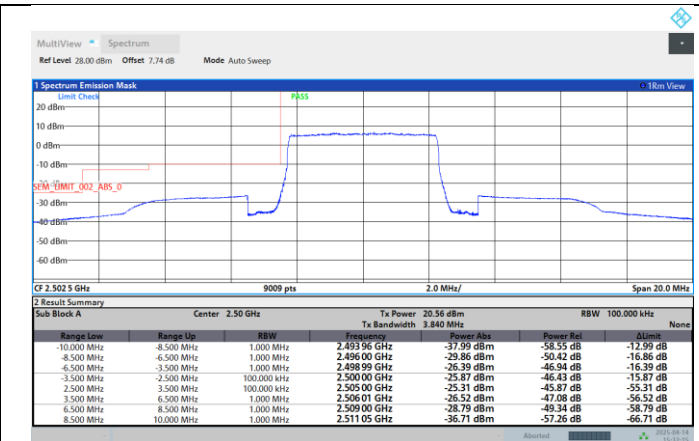
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	See Graph	PASS
Band7	5MHz	QPSK	20775	25RB#0	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#24	See Graph	PASS
Band7	5MHz	QPSK	21425	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	1RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	21425	1RB#24	See Graph	PASS
Band7	5MHz	16QAM	21425	25RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	50RB#0	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#49	See Graph	PASS
Band7	10MHz	QPSK	21400	50RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	1RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	50RB#0	See Graph	PASS
Band7	10MHz	16QAM	21400	1RB#49	See Graph	PASS
Band7	10MHz	16QAM	21400	50RB#0	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	See Graph	PASS
Band7	15MHz	QPSK	20825	75RB#0	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#74	See Graph	PASS
Band7	15MHz	QPSK	21375	75RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	1RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	75RB#0	See Graph	PASS
Band7	15MHz	16QAM	21375	1RB#74	See Graph	PASS
Band7	15MHz	16QAM	21375	75RB#0	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	See Graph	PASS
Band7	20MHz	QPSK	20850	100RB#0	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#99	See Graph	PASS
Band7	20MHz	QPSK	21350	100RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	1RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	100RB#0	See Graph	PASS
Band7	20MHz	16QAM	21350	1RB#99	See Graph	PASS
Band7	20MHz	16QAM	21350	100RB#0	See Graph	PASS

Test Graphs

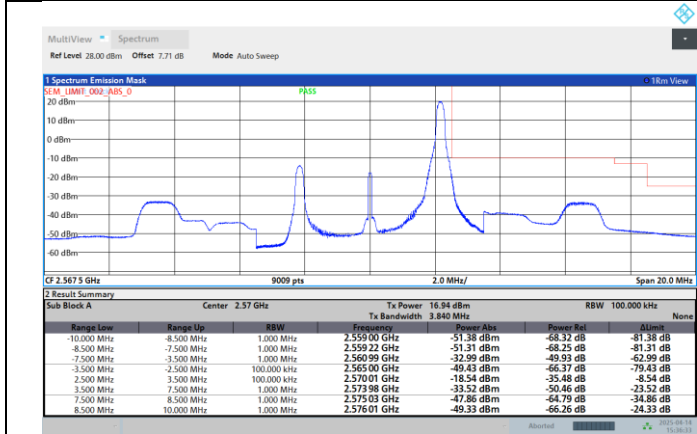
Band7-5MHz-QPSK-20775-1RB#0	Band7-5MHz-QPSK-20775-25RB#0
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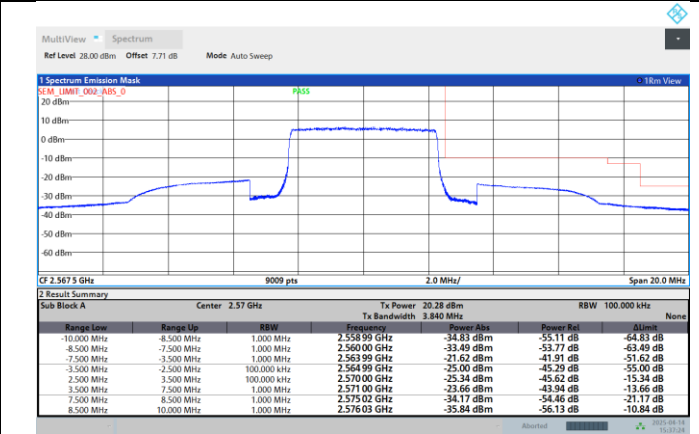
Band7-5MHz-QPSK-21425-1RB#24



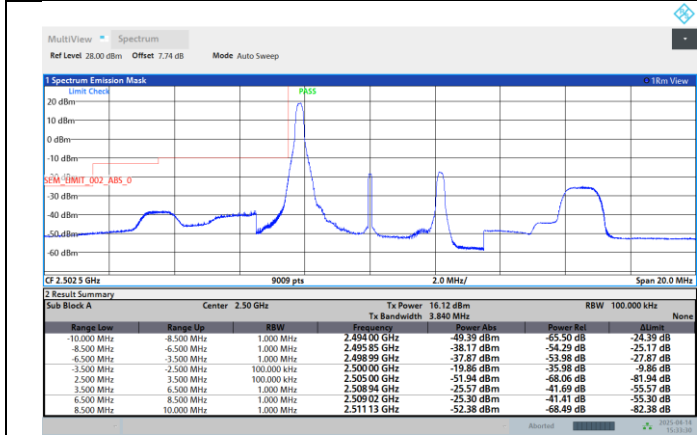
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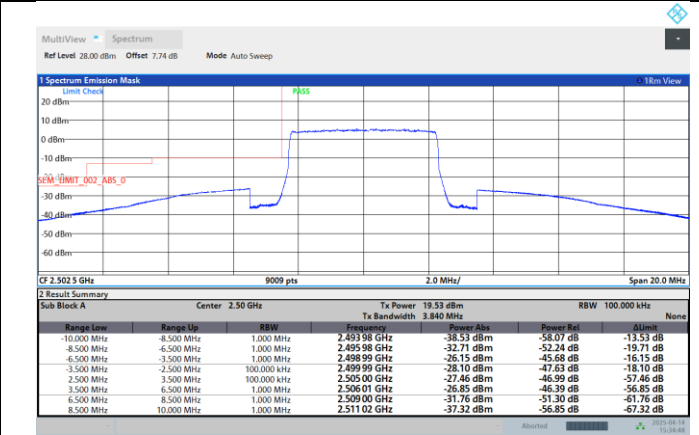
Band7-5MHz-16QAM-20775-1RB#0



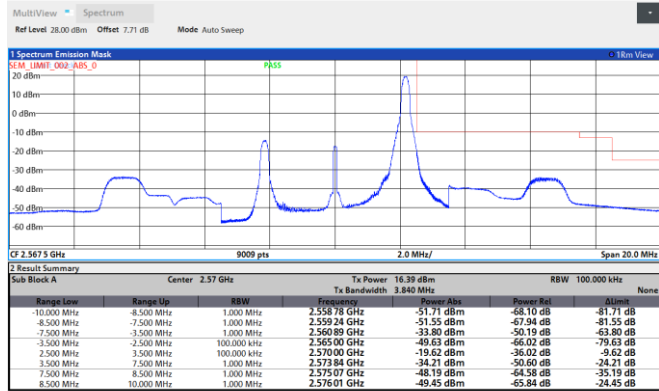
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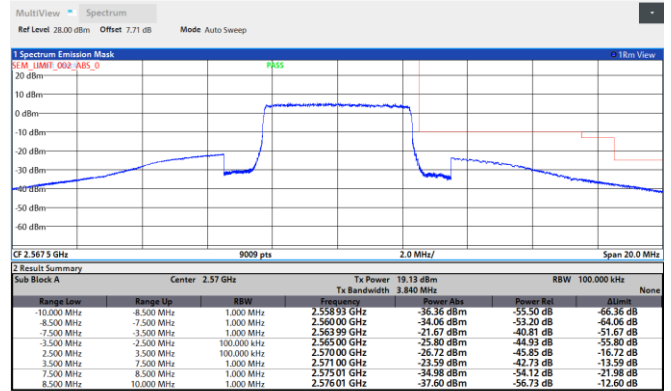
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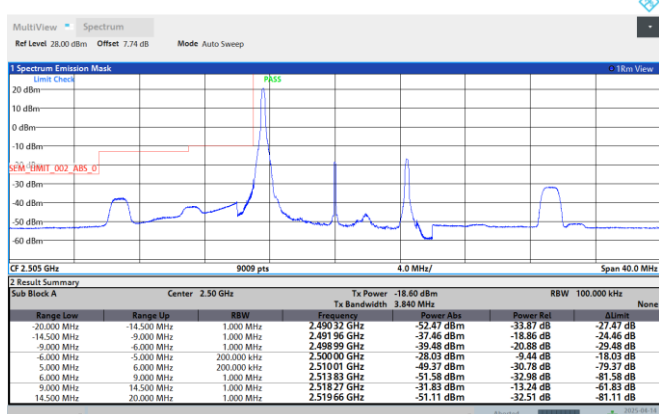
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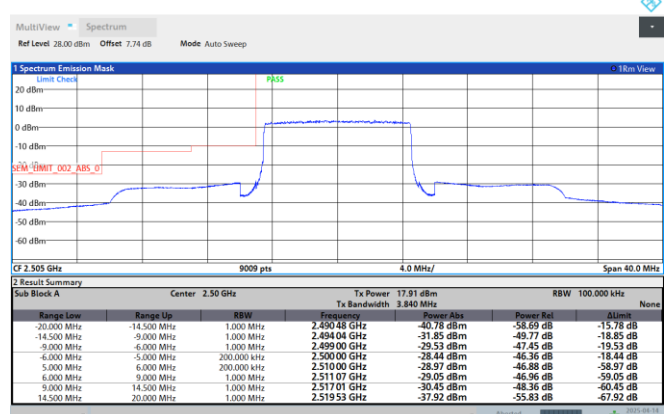
Band7-10MHz-QPSK-20800-1RB#0



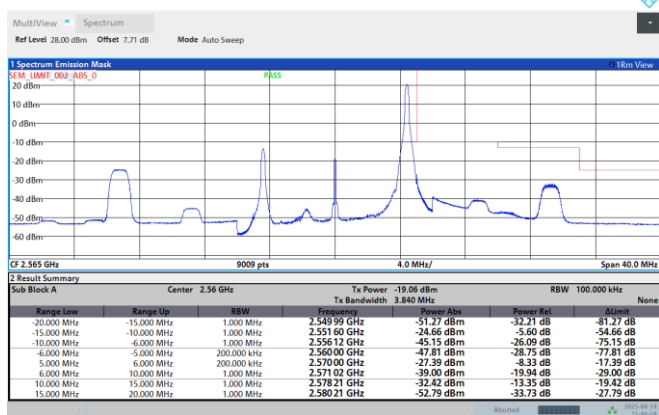
Band7-10MHz-QPSK-20800-50RB#0



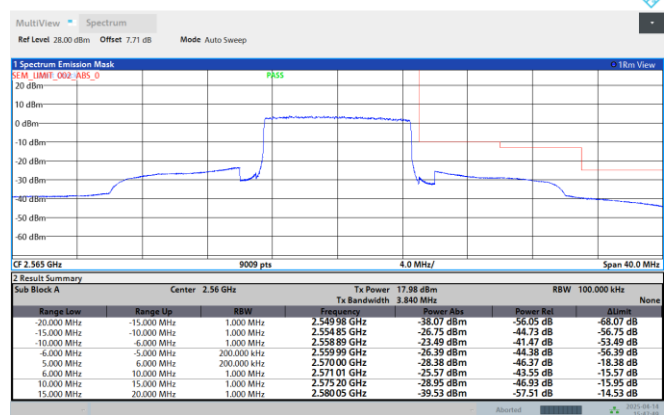
Band7-10MHz-QPSK-21400-1RB#49



Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-1RB#0

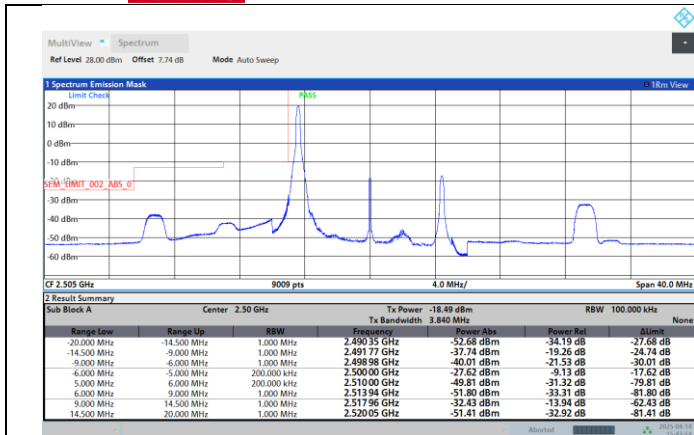


Band7-10MHz-16QAM-20800-50RB#0

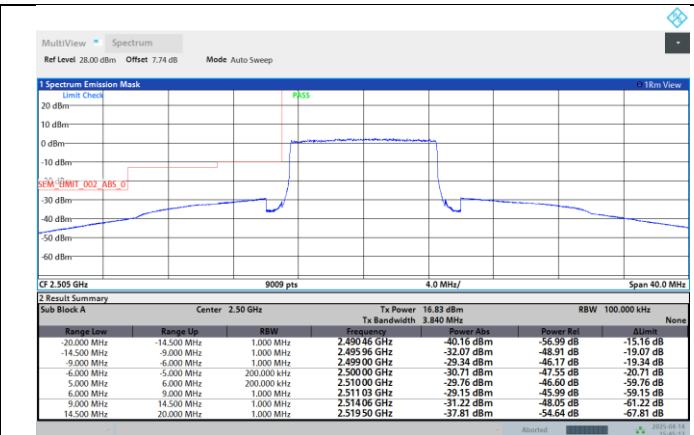


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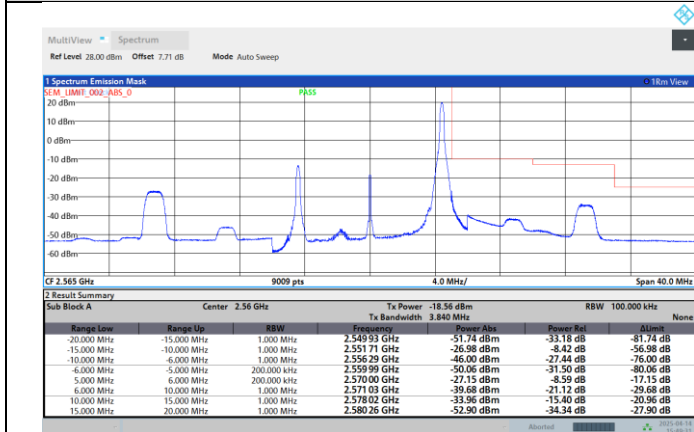
Test Report No.: PSZ-QSZ2504020109RF03



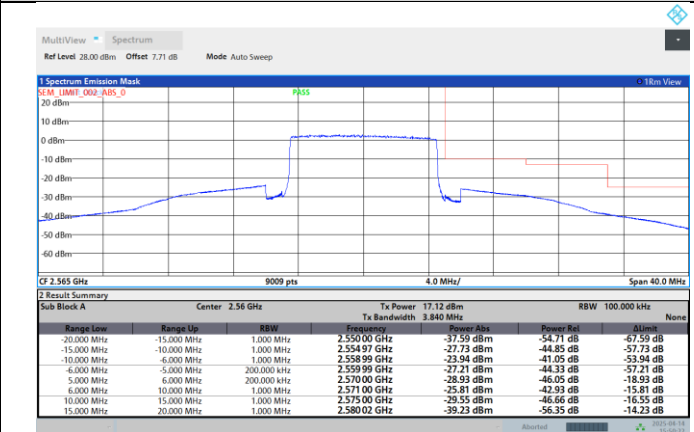
Band7-10MHz-16QAM-21400-1RB#49



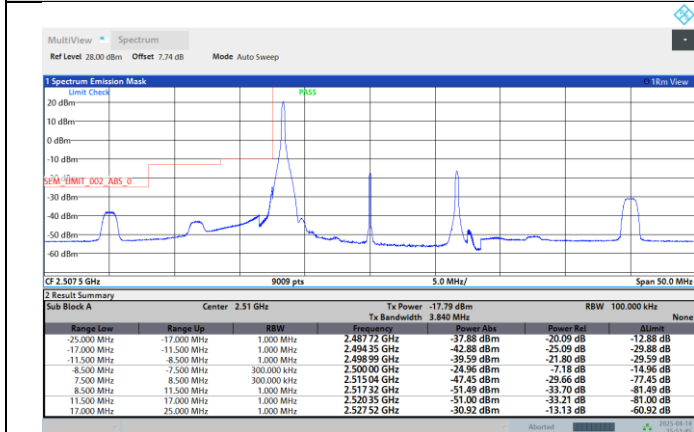
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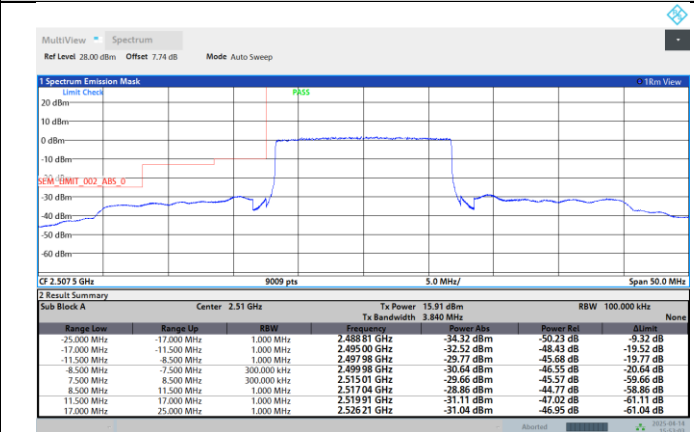
Band7-15MHz-QPSK-20825-1RB#0



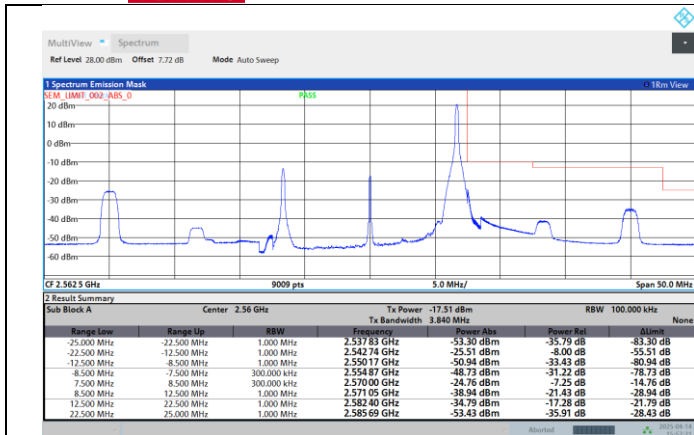
Band7-15MHz-QPSK-20825-75RB#0



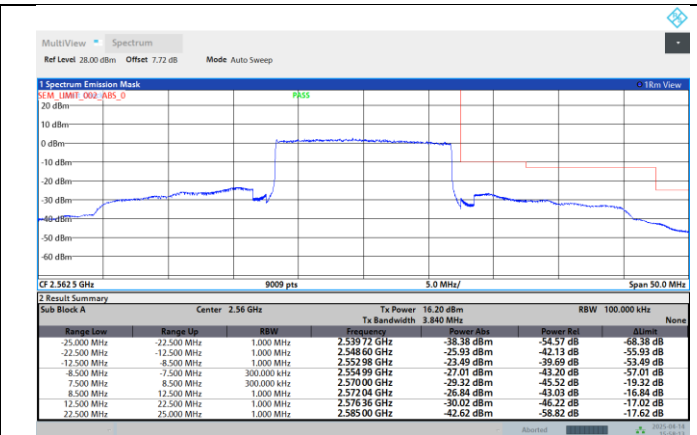
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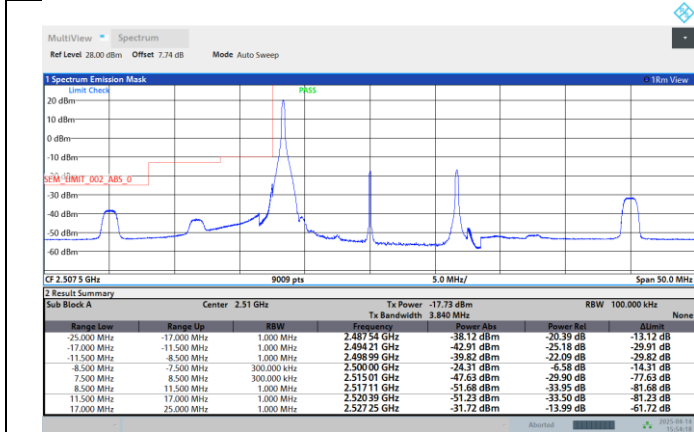
Band7-15MHz-QPSK-21375-75RB#0



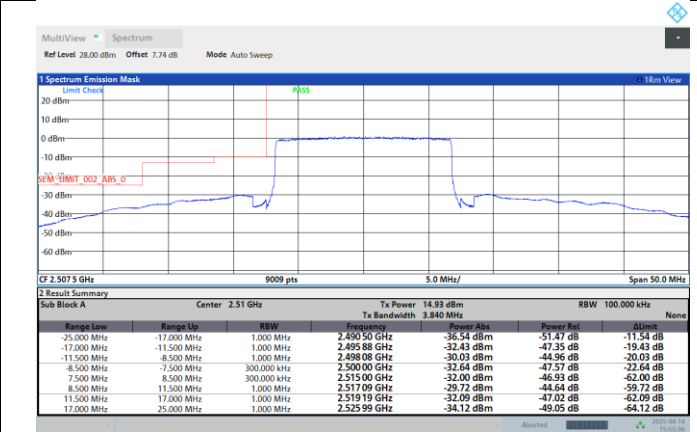
Band7-15MHz-16QAM-20825-1RB#0



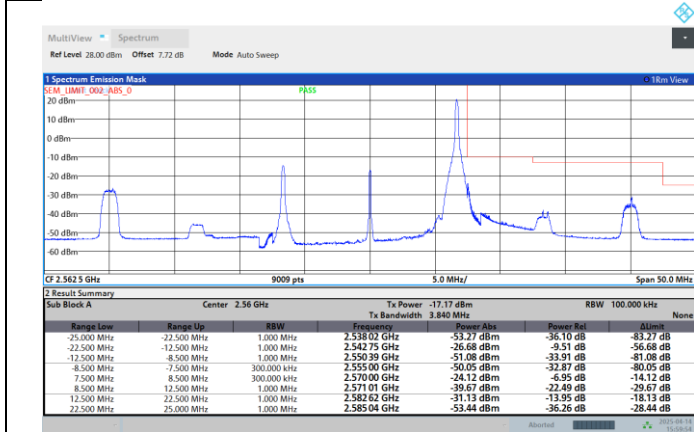
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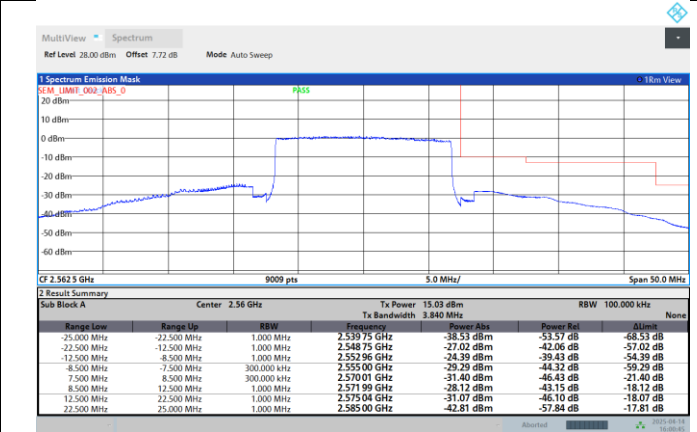
Band7-15MHz-16QAM-21375-1RB#74



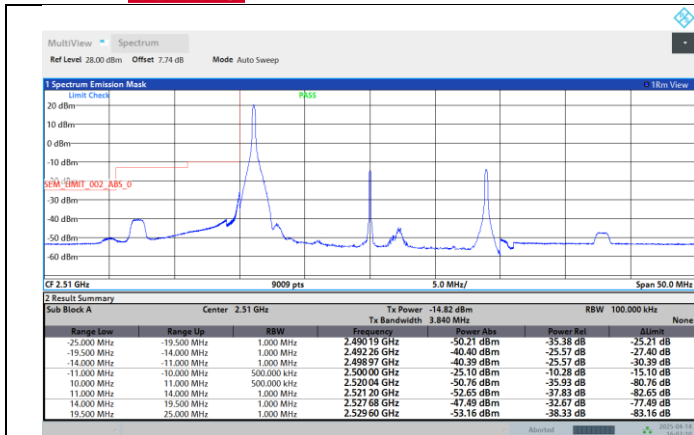
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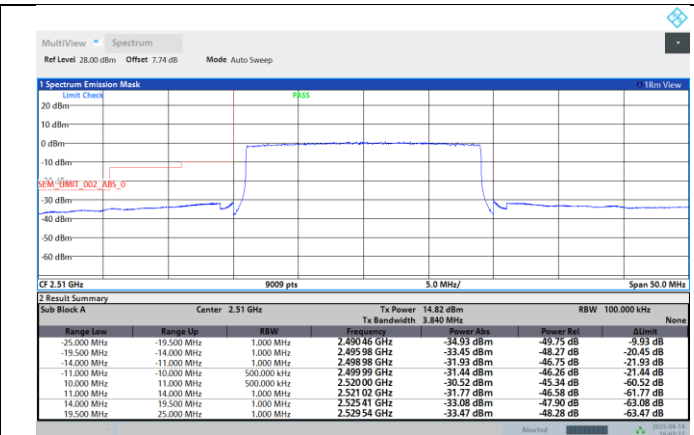
Band7-20MHz-QPSK-20850-1RB#0



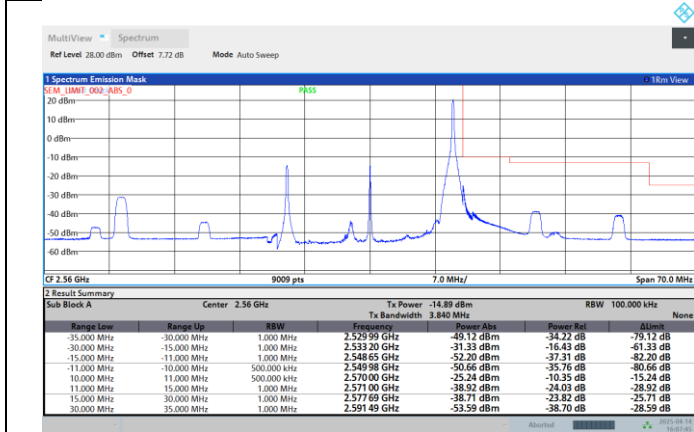
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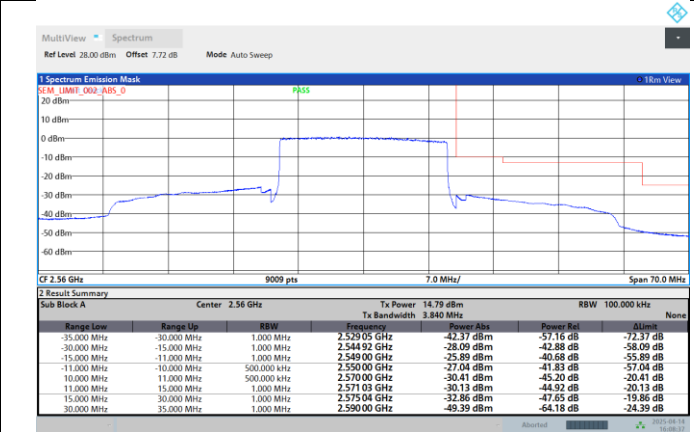
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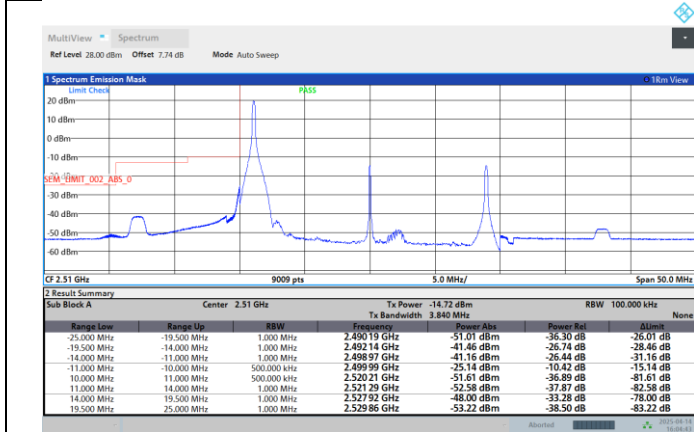
Band7-20MHz-QPSK-21350-100RB#0



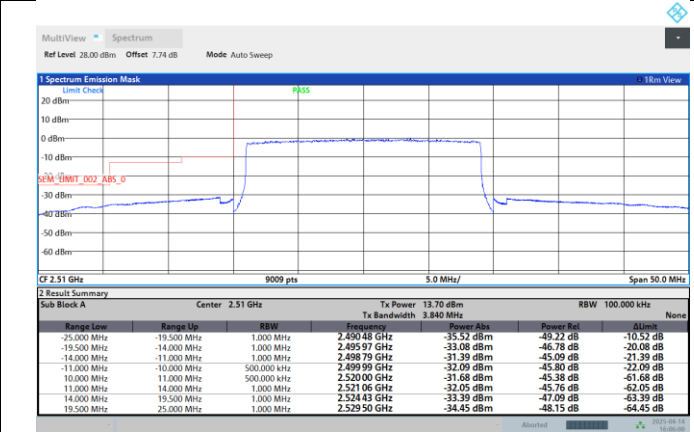
Band7-20MHz-16QAM-20850-1RB#0



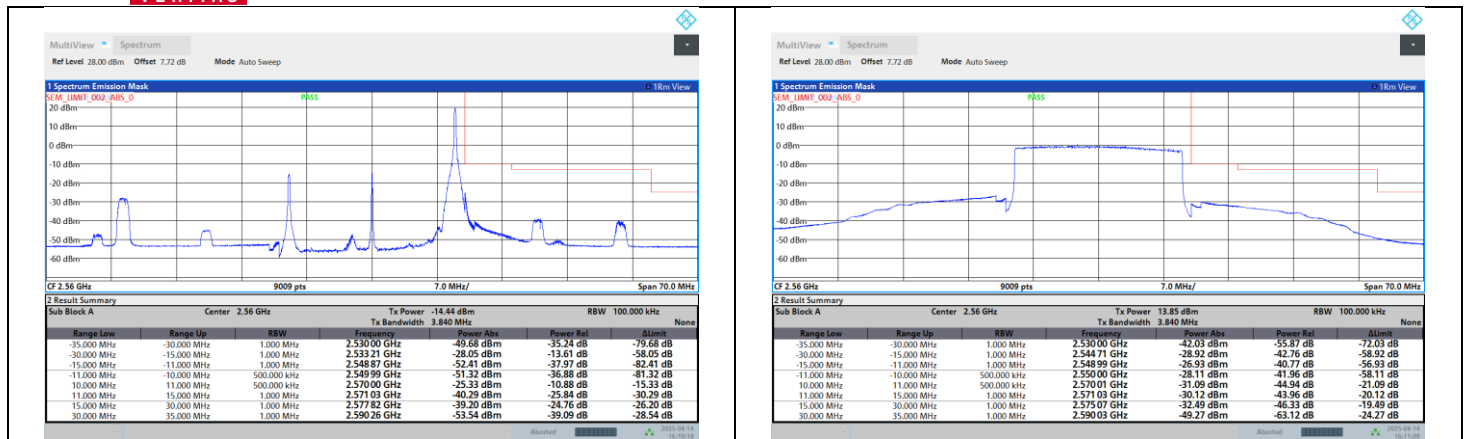
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21350-1RB#99



Band7-20MHz-16QAM-21350-100RB#0



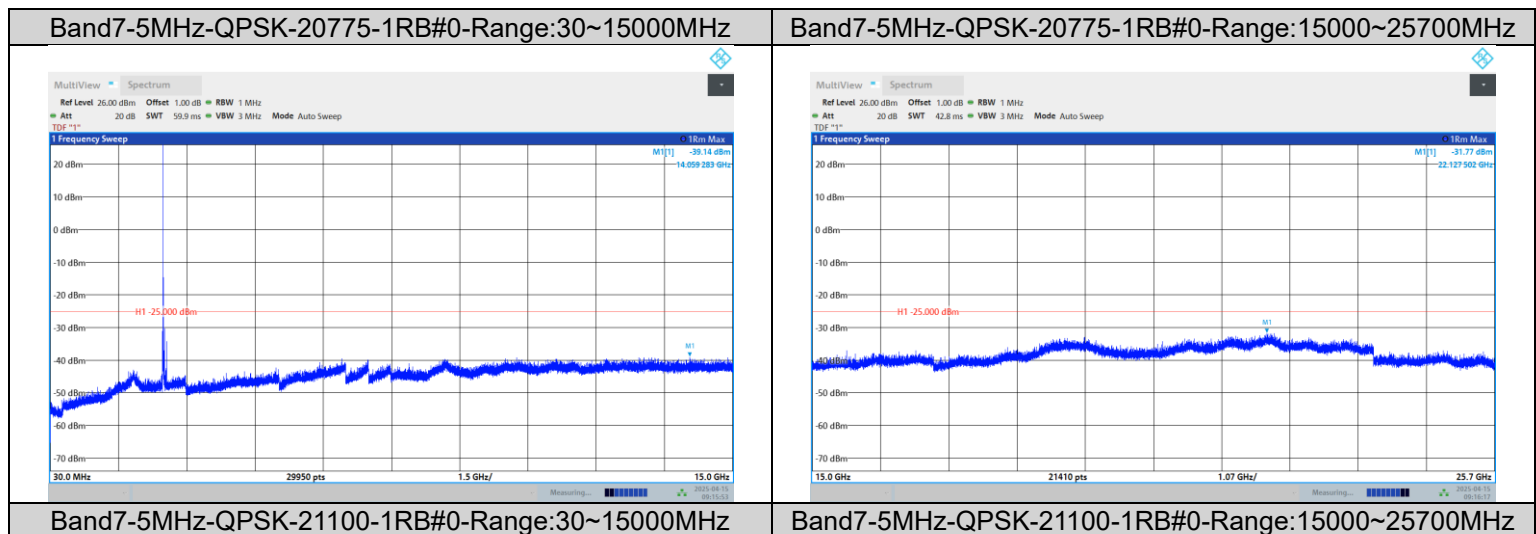


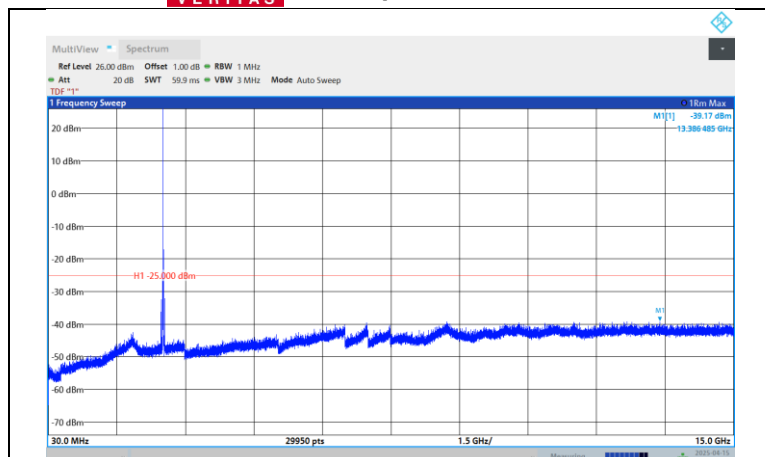
BUREAU VERITAS Test Report No.: PSZ-QSZ2504020109RF03
CONDUCTED SPURIOUS EMISSION

Test Result

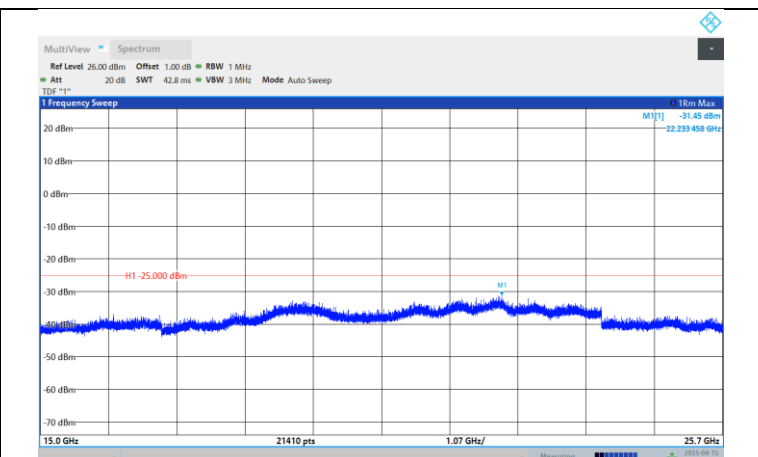
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range:15000~25700MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range:30~15000MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	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

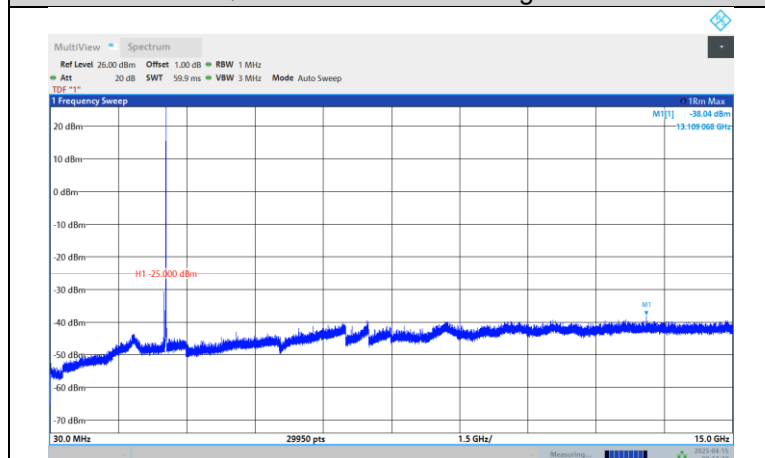




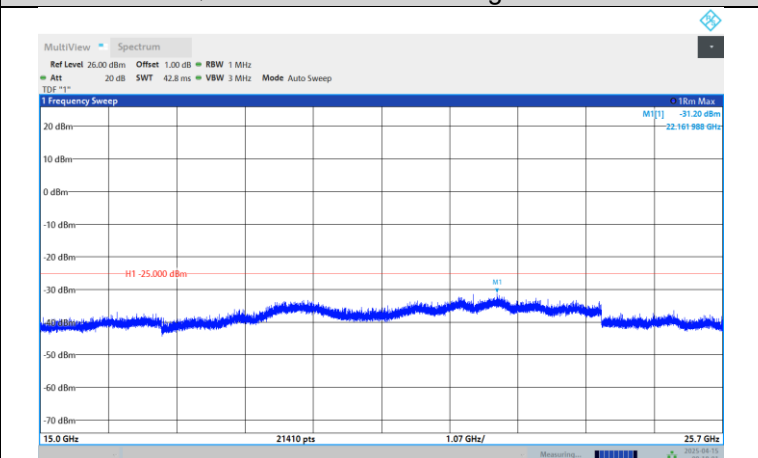
Band7-5MHz-QPSK-21425-1RB#0-Range:30~15000MHz



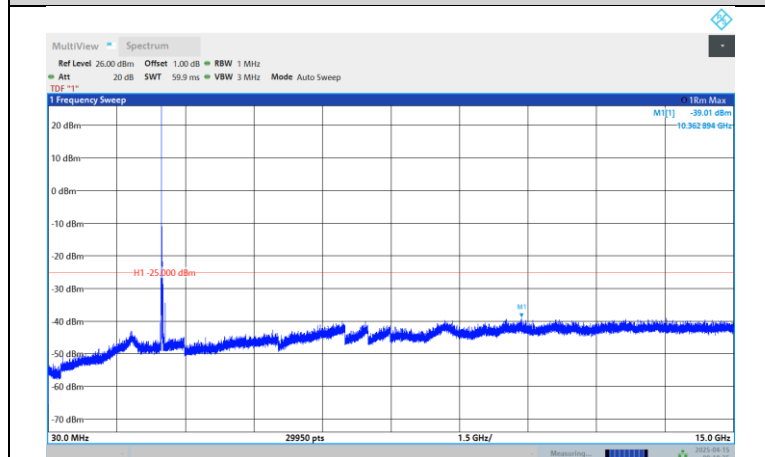
Band7-5MHz-QPSK-21425-1RB#0-Range:15000~25700MHz



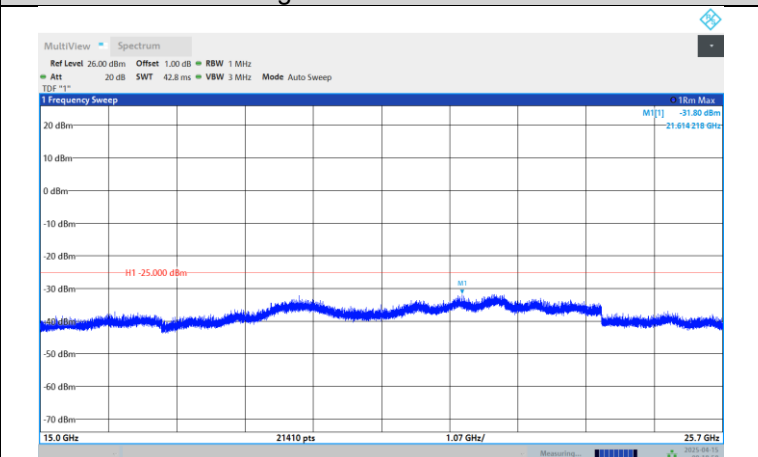
Band7-10MHz-QPSK-20800-1RB#0-Range:30~15000MHz



Band7-10MHz-QPSK-20800-1RB#0-
Range:15000~25700MHz



Band7-10MHz-QPSK-21100-1RB#0-Range:30~15000MHz

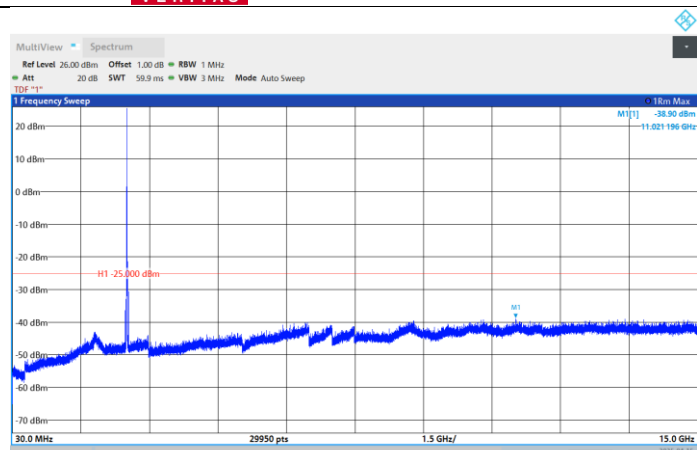


Band7-10MHz-QPSK-21100-1RB#0-
Range:15000~25700MHz

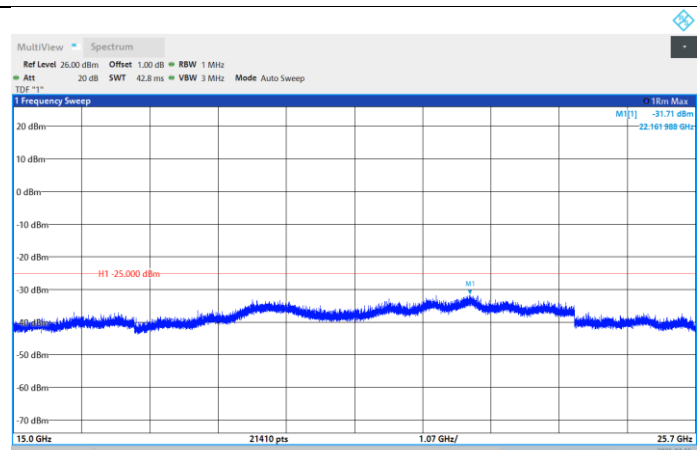


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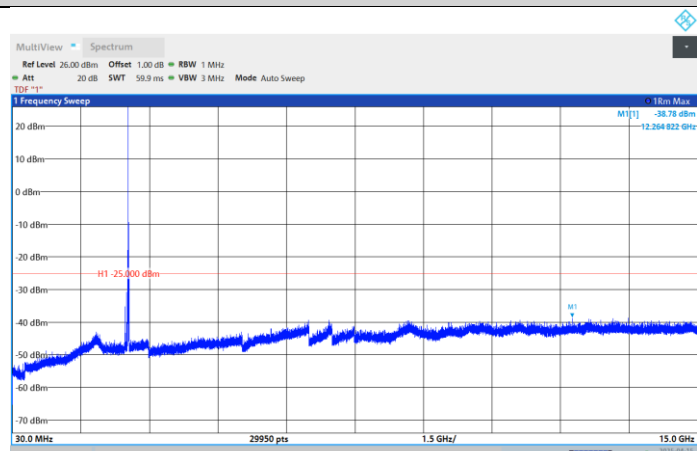
Test Report No.: PSZ-QSZ2504020109RF03



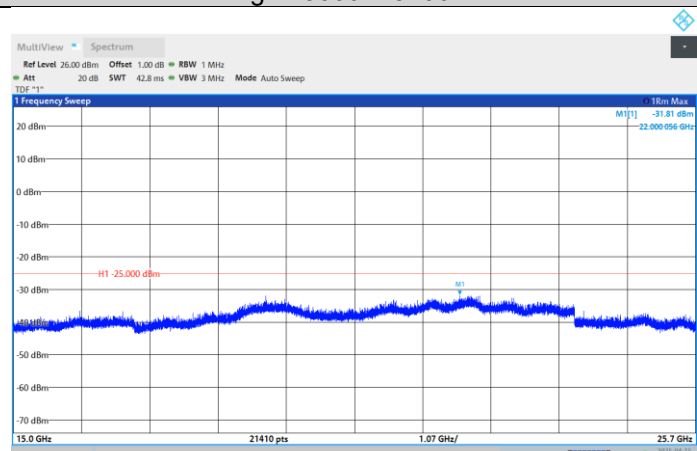
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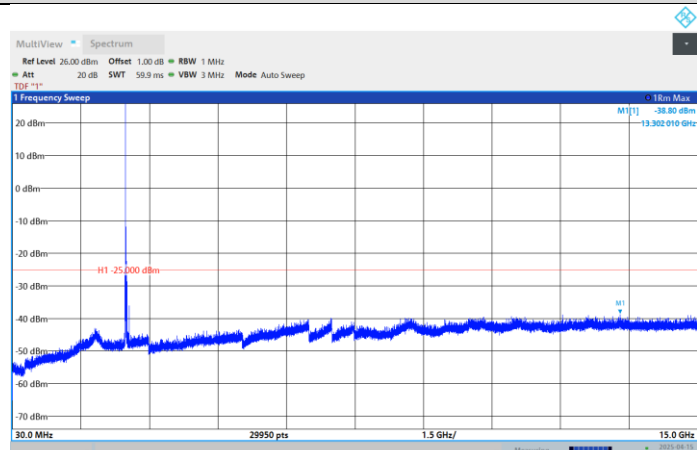
Band7-10MHz-QPSK-21400-1RB#0-
Range:15000~25700MHz



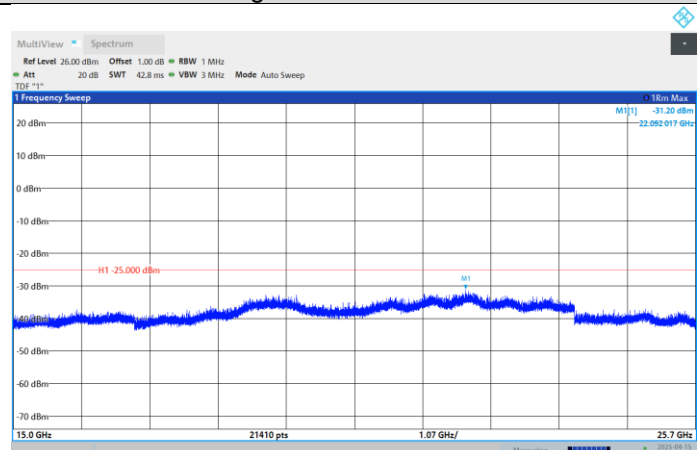
Band7-15MHz-QPSK-20825-1RB#0-Range:30~15000MHz



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



Band7-15MHz-QPSK-21100-1RB#0-Range:30~15000MHz

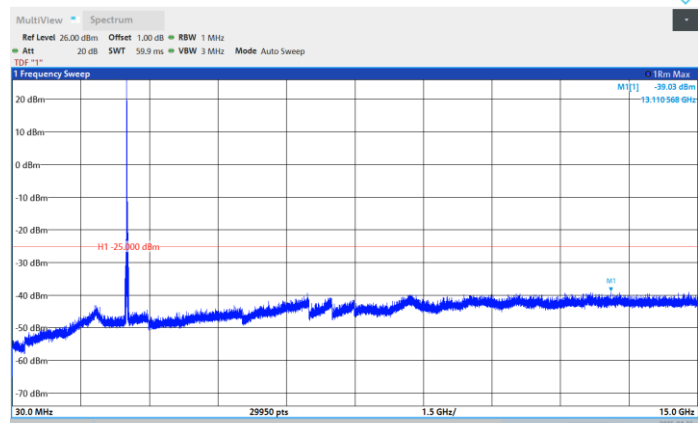


Band7-15MHz-QPSK-21100-1RB#0-
Range:15000~25700MHz

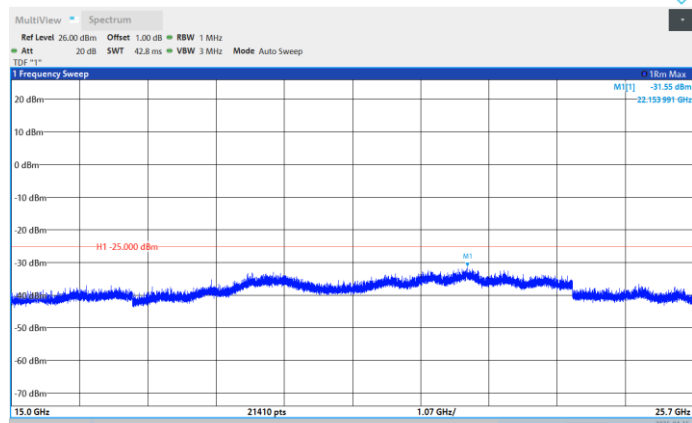


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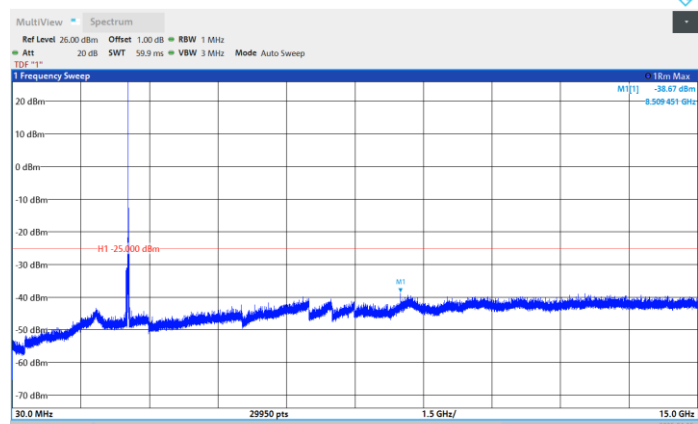
Test Report No.: PSZ-QSZ2504020109RF03



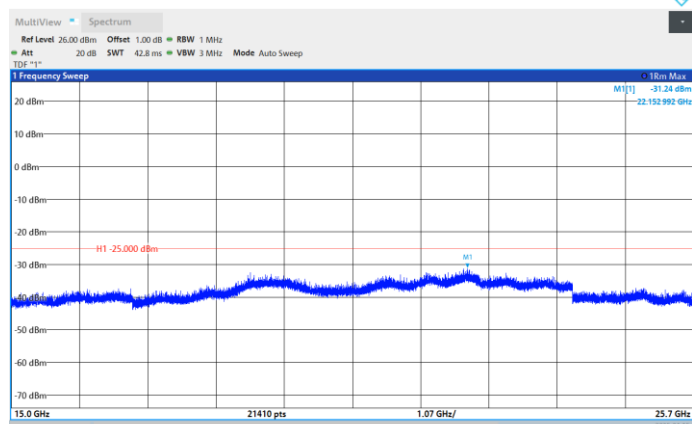
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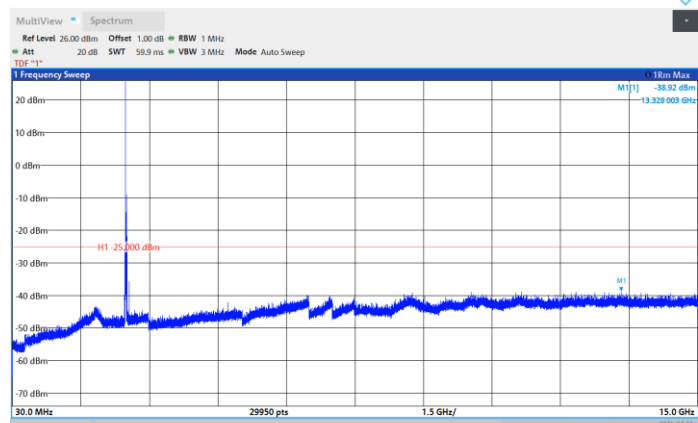
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Range:15000~25700MHz



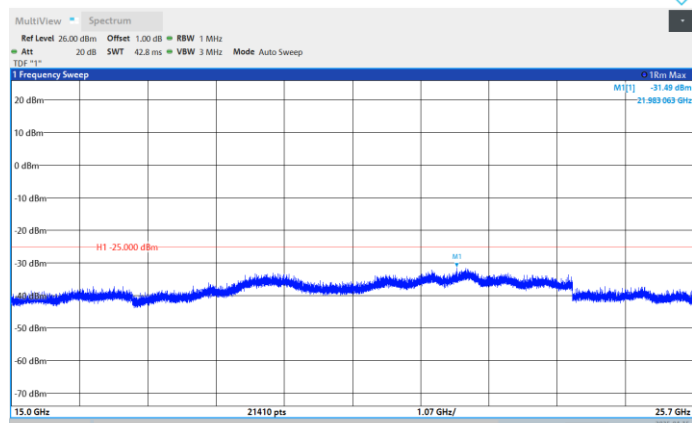
Band7-20MHz-QPSK-20850-1RB#0-Range:30~15000MHz



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



Band7-20MHz-QPSK-21100-1RB#0-Range:30~15000MHz

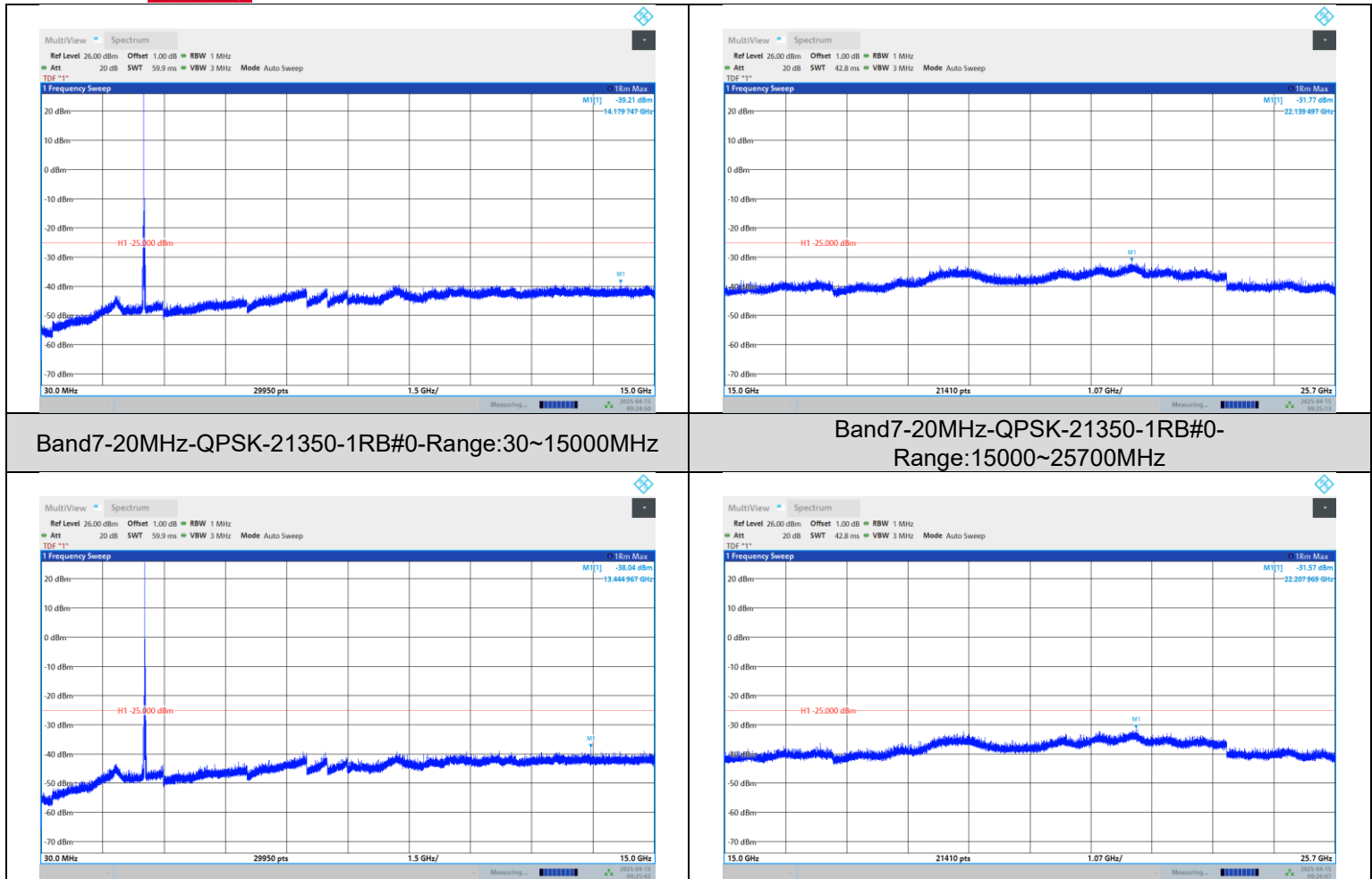


Band7-20MHz-QPSK-21100-1RB#0-
Range:15000~25700MHz



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Test Report No.: PSZ-QSZ2504020109RF03



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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	-9.91	-0.0039	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	NT	-19.11	-0.0076	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	HV	NT	16.04	0.0064	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	LV	NT	-6.21	-0.0024	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	NT	-17.11	-0.0067	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	HV	NT	6.11	0.0024	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	LV	NT	2.55	0.0010	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	NT	14.67	0.0057	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	HV	NT	-17.85	-0.0070	±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	-3.30	-0.0013	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-23.50	-0.0094	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	-28.10	-0.0112	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-4.20	-0.0017	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-25.80	-0.0103	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	15.40	0.0061	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-12.80	-0.0051	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	11.30	0.0045	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	13.30	0.0053	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	6.71	0.0026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	16.46	0.0065	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	14.22	0.0056	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	29.19	0.0115	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	5.56	0.0022	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-20.43	-0.0081	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-8.05	-0.0032	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-17.61	-0.0069	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	17.35	0.0068	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-2.00	-0.0008	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-16.40	-0.0064	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	8.10	0.0032	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	29.50	0.0115	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-19.30	-0.0075	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-7.20	-0.0028	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	22.10	0.0086	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	28.20	0.0110	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	26.40	0.0103	±2.5	PASS



Test Report No.: PSZ-QSZ2504020109RF03

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	2501.057971	≥ 2500	PASS
$f_H + \text{MAX}(\Delta f) $	2568.946480	≤ 2570	

Note:1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = 29.50 Hz.



BUREAU VERITAS Test Report No.: PSZ-QSZ2504020109RF03
LTE BAND12(INCLUDING LTE BAND17)

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	2.92	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3.86	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	2.92	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	3.78	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.20	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3.96	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3.68	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	4.70	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3.02	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	4.52	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3.86	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	4.90	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	2.92	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	3.96	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.02	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	3.96	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	2.92	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	3.86	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	3.68	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	4.80	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	3.30	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	4.42	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.06	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	4.98	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.02	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	3.86	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	2.84	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	3.78	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.20	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	3.96	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.06	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.80	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	3.30	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.70	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.06	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.12	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	3.86	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	2.92	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	3.86	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	2.74	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	3.86	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	3.78	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	4.98	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	3.68	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	4.80	13	PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

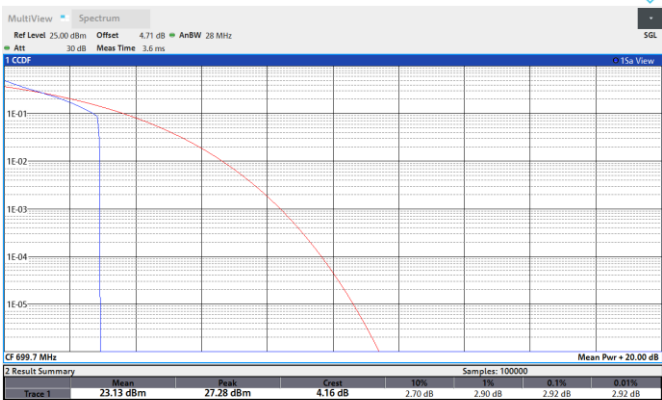
Tel: +86 (0557) 368 1008



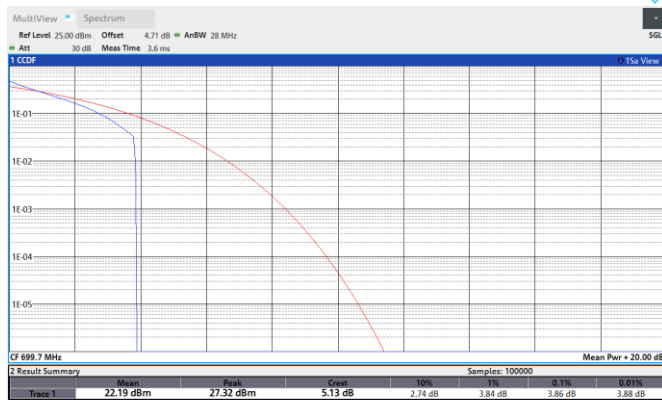
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Test Graphs

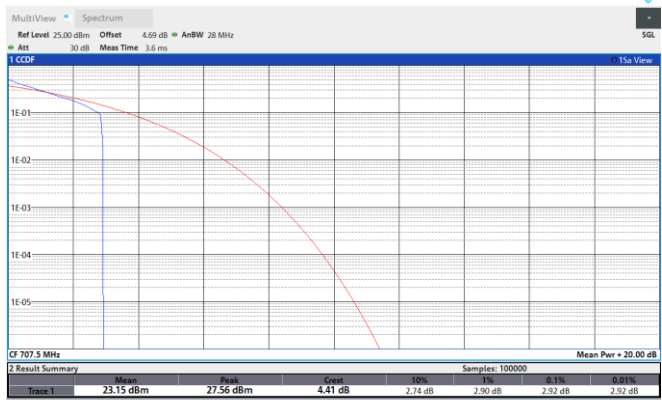
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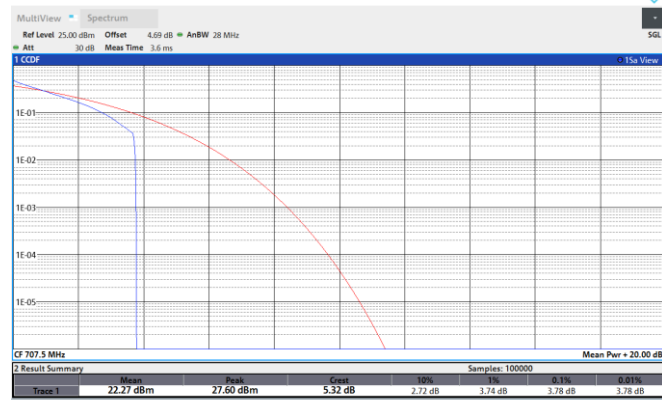
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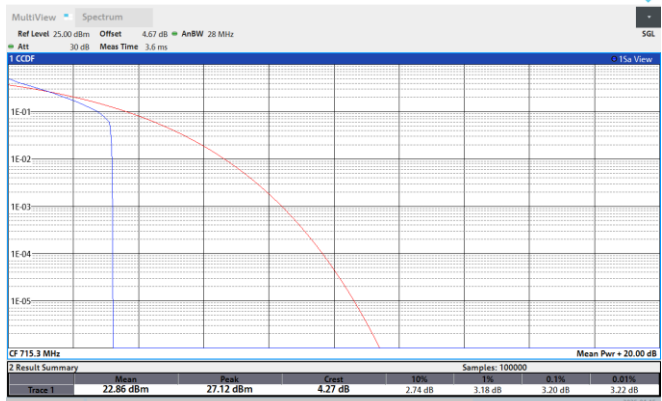
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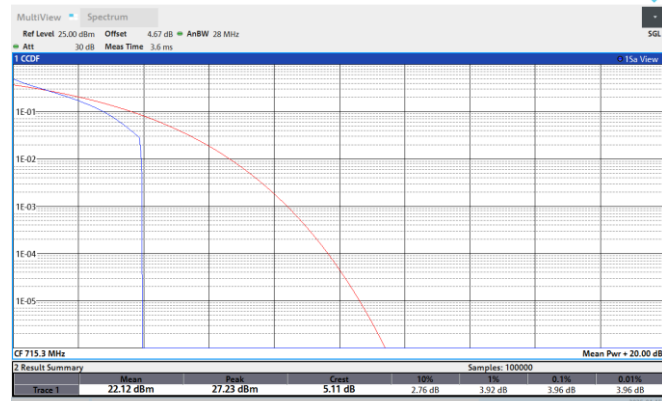
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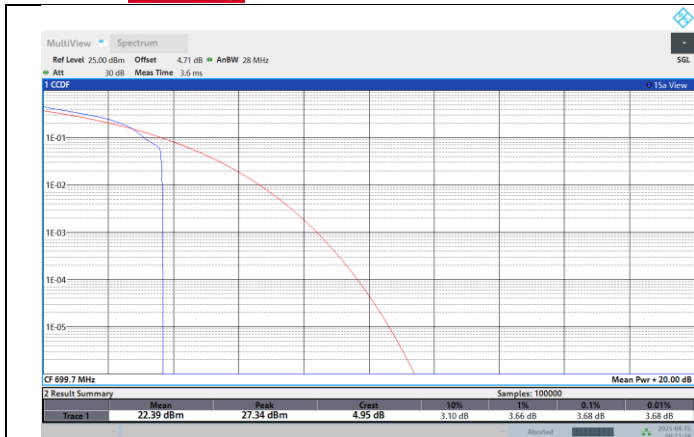


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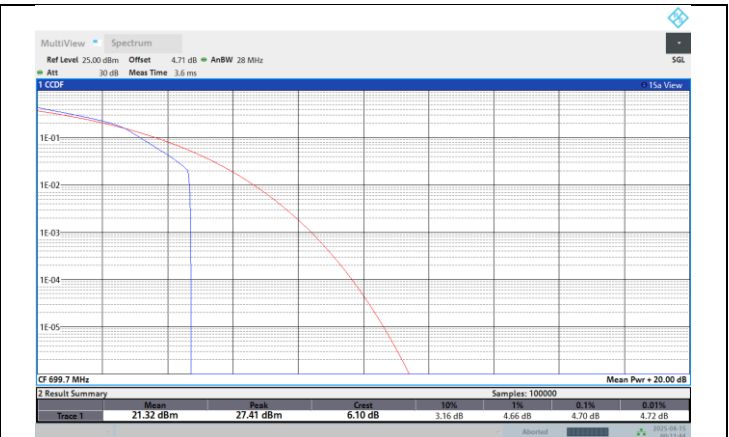


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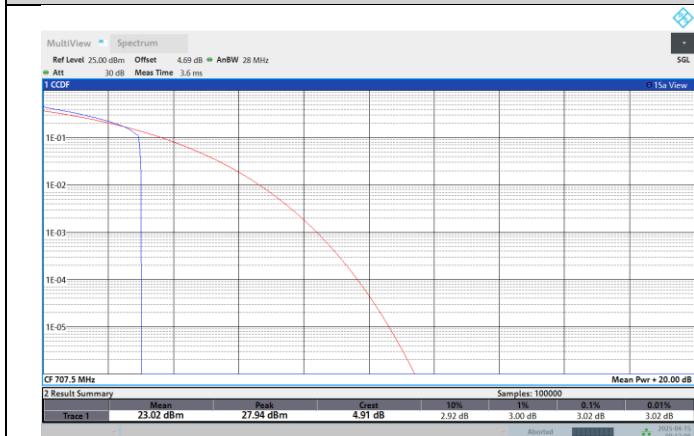
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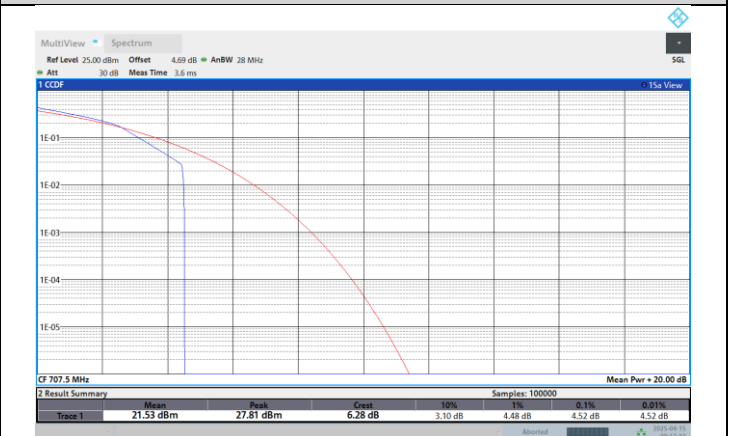
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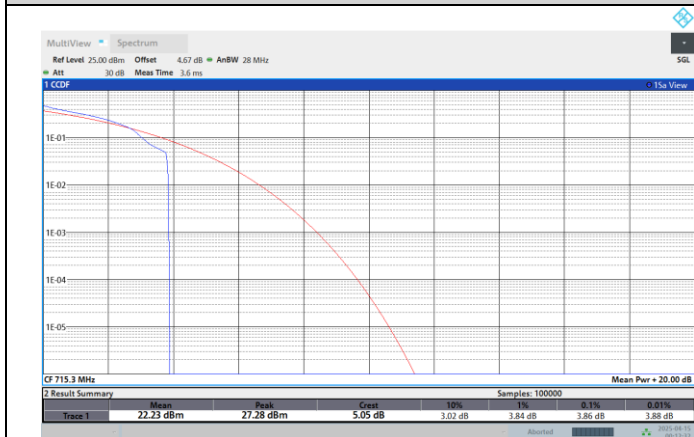
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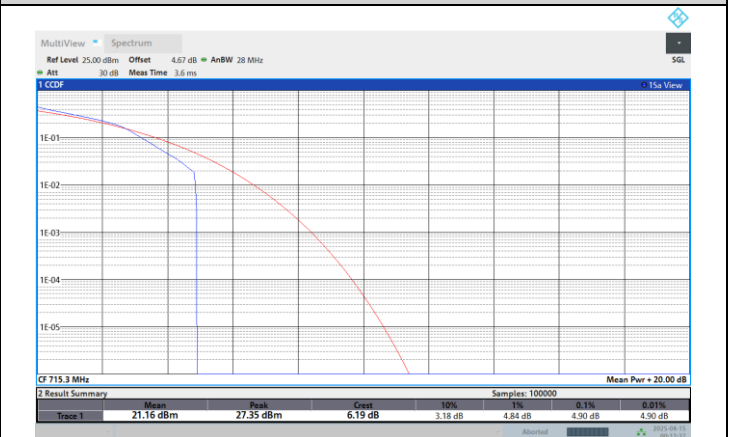
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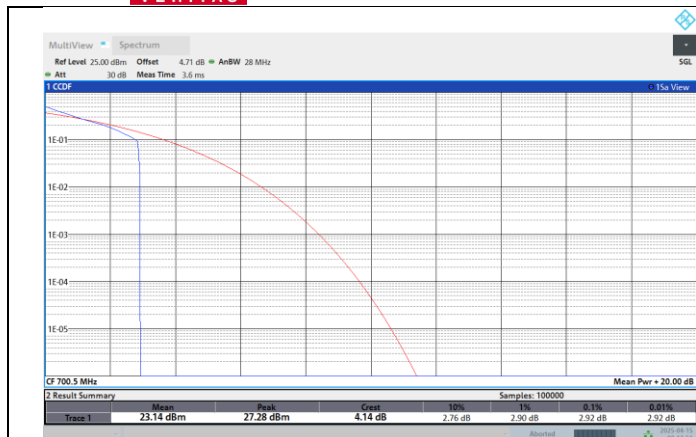
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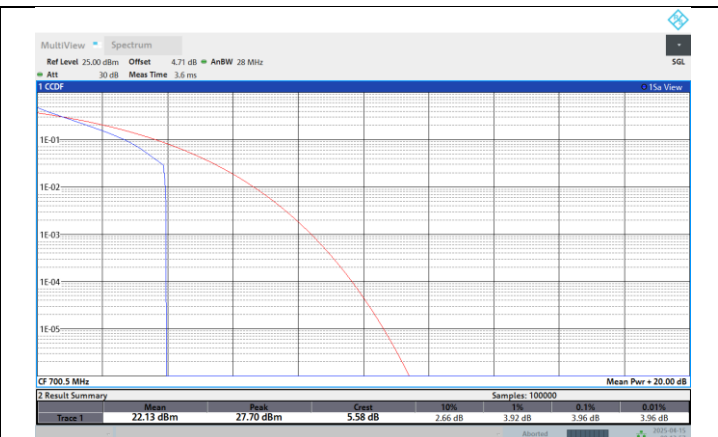
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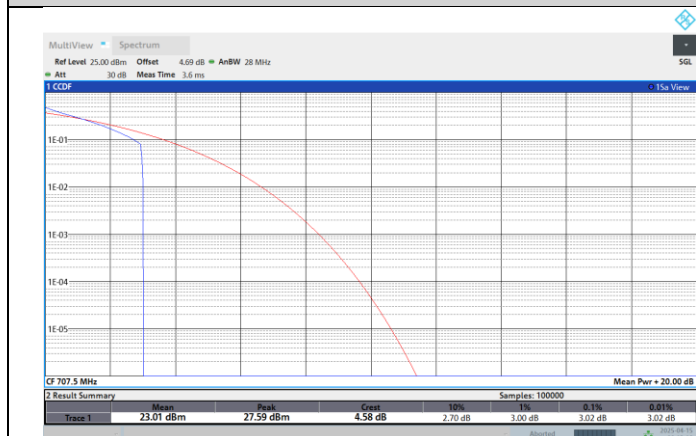
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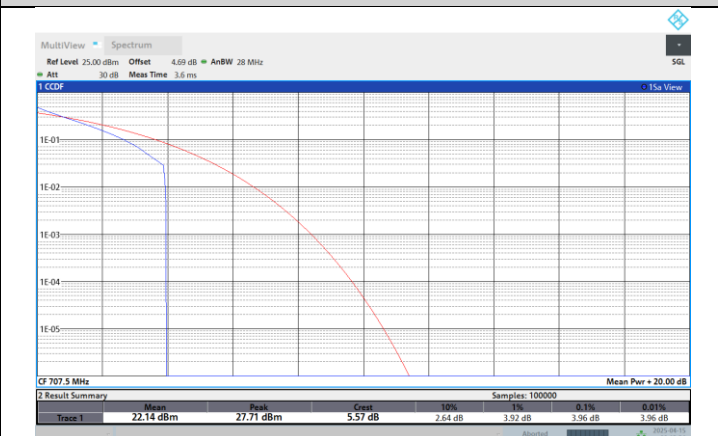
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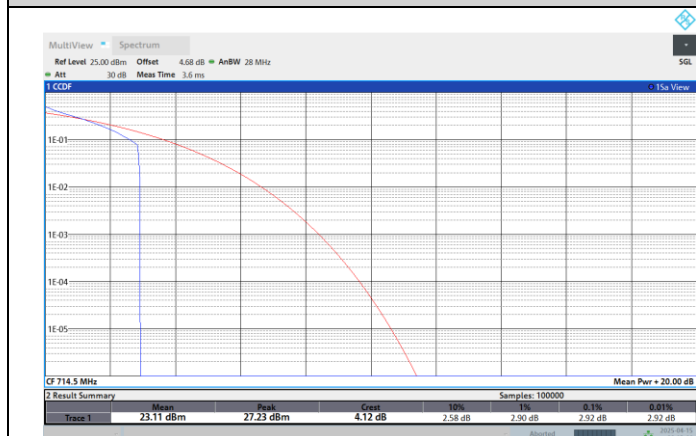
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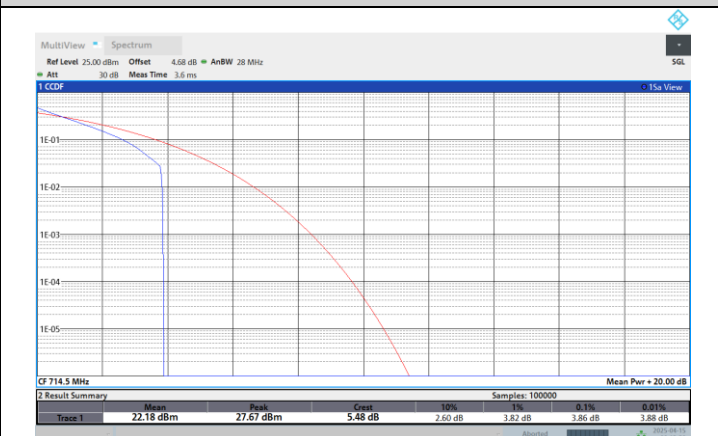
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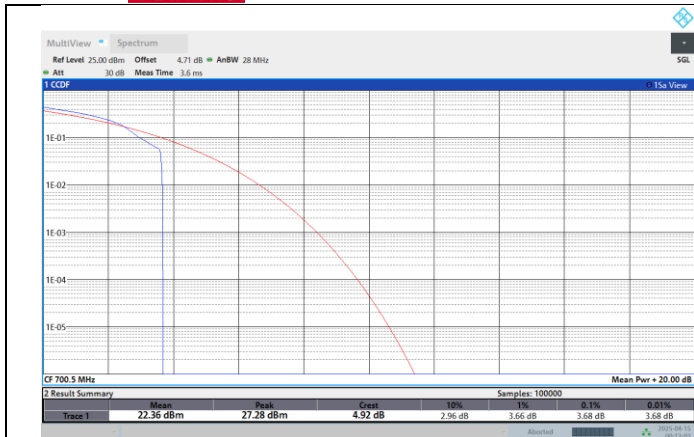
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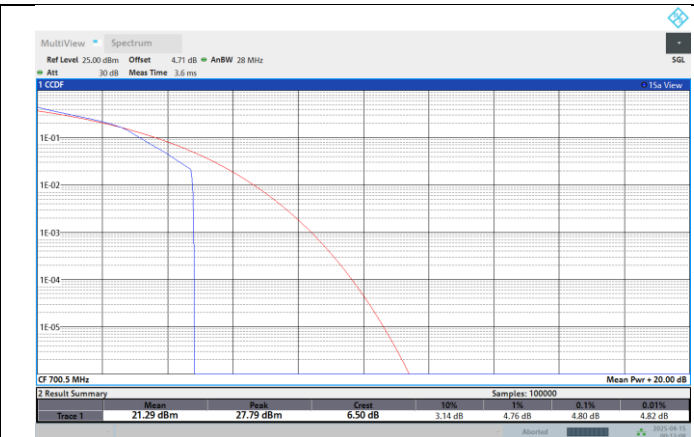
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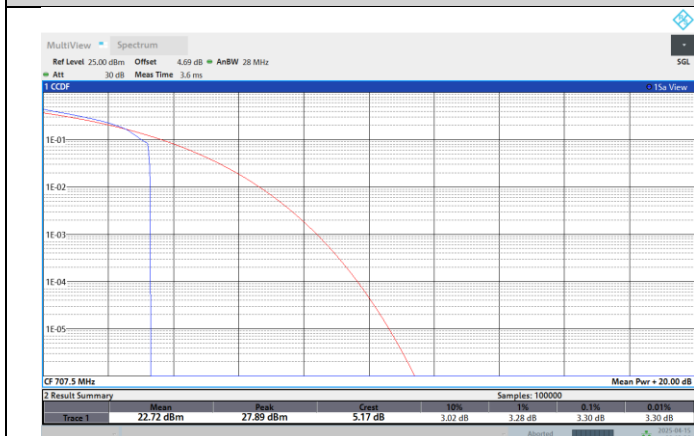
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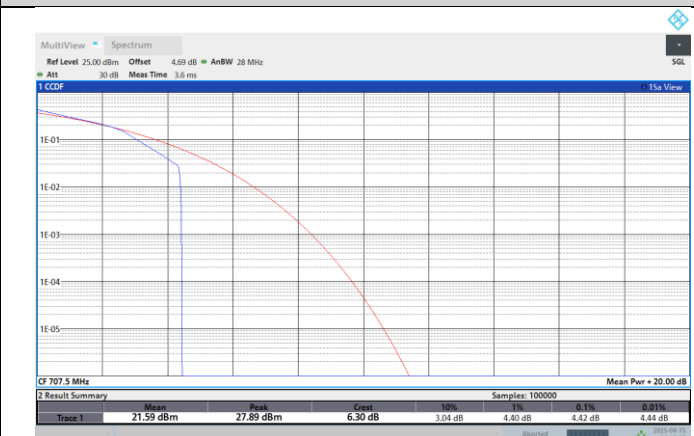
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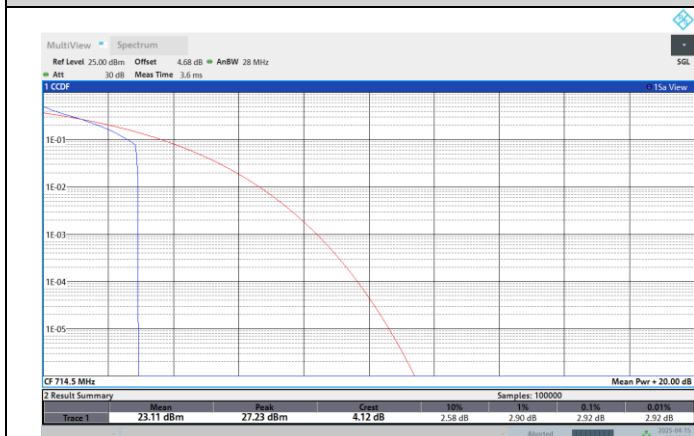
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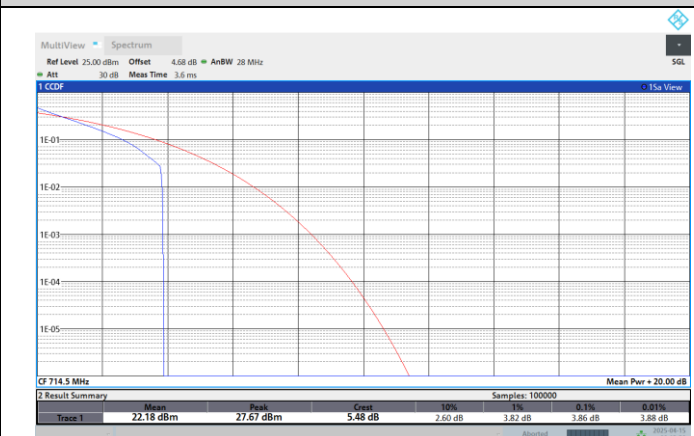
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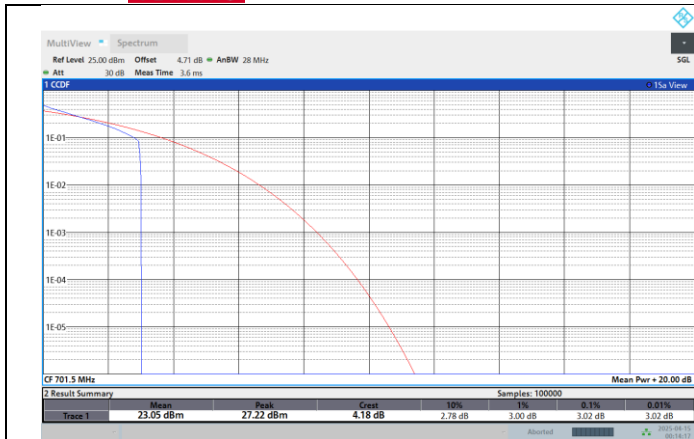
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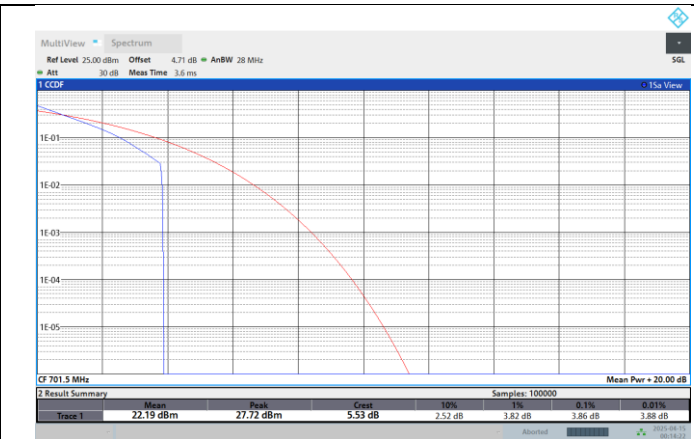
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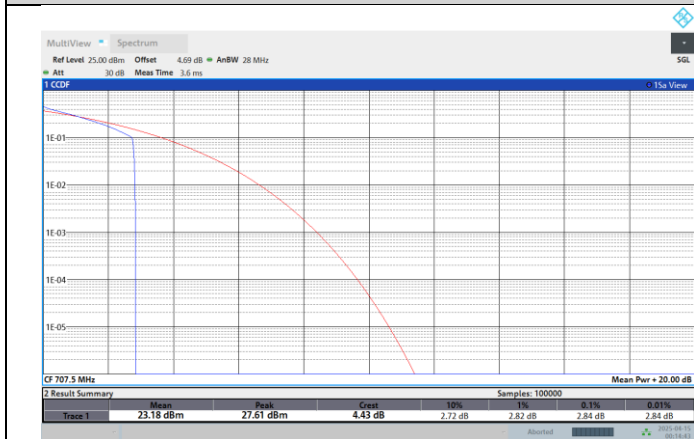
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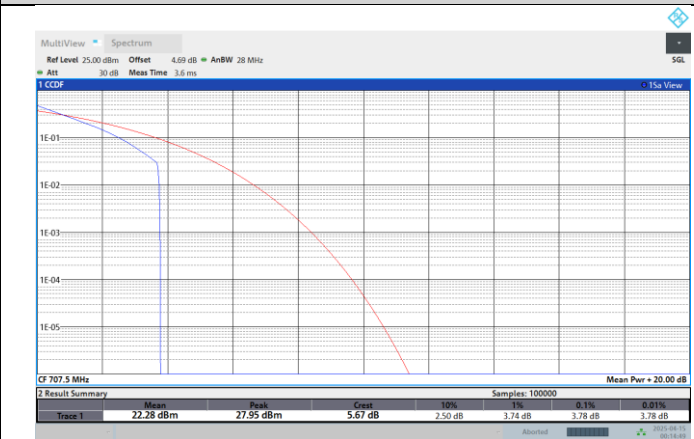
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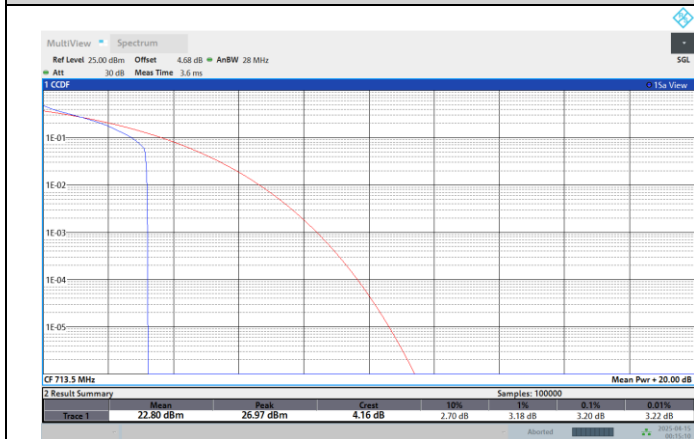
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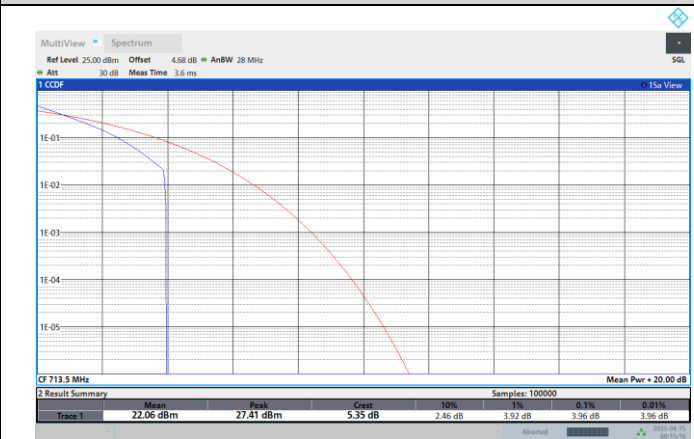
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Band12-5MHz-QPSK-23155-25RB#0



Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-25RB#0