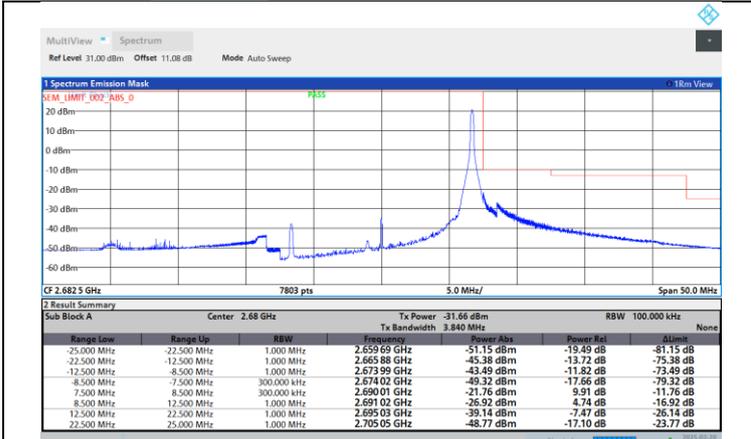


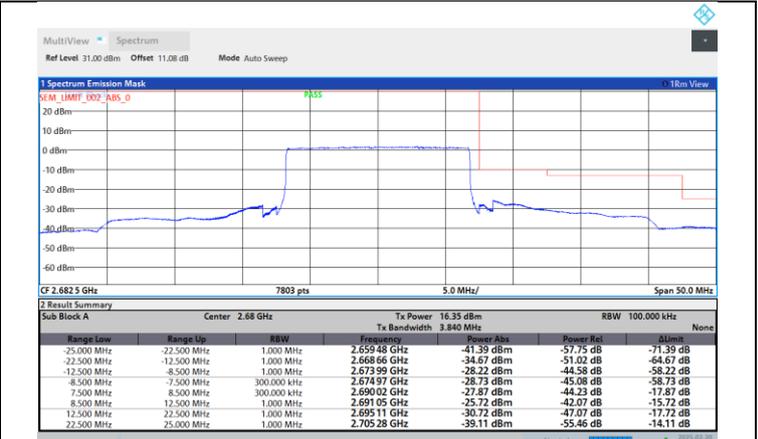


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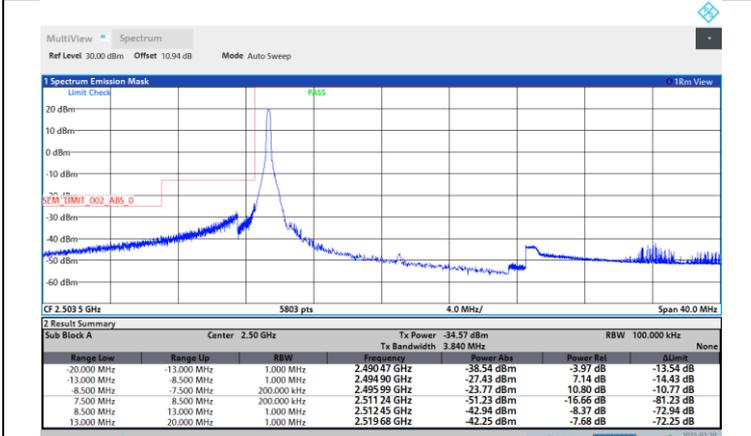
Test Report No.: PSZ-QBJ2501200112RF04



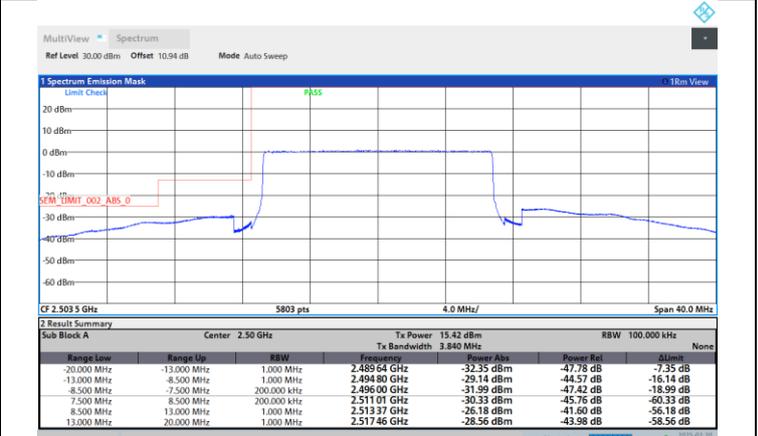
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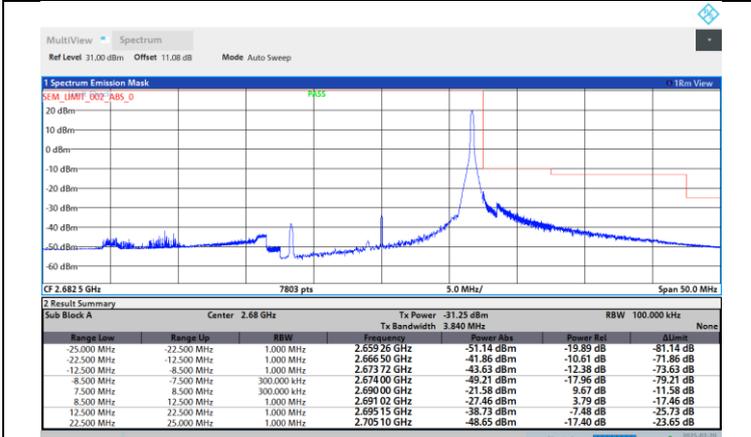
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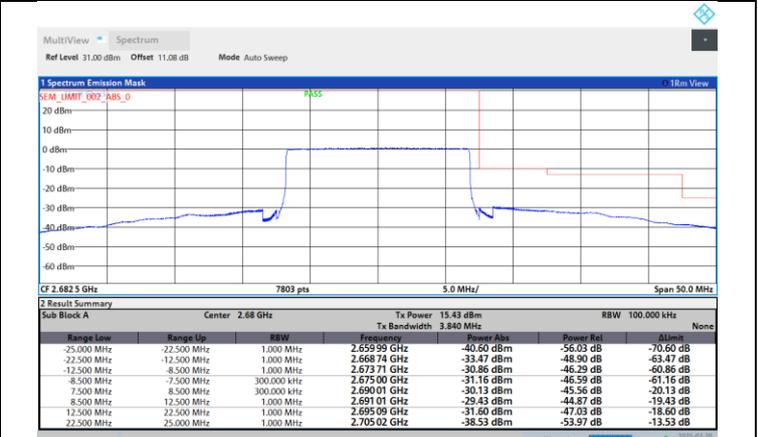
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Band41-15MHz-16QAM-41515-75RB#0



Band41-15MHz-64QAM-39725-1RB#0

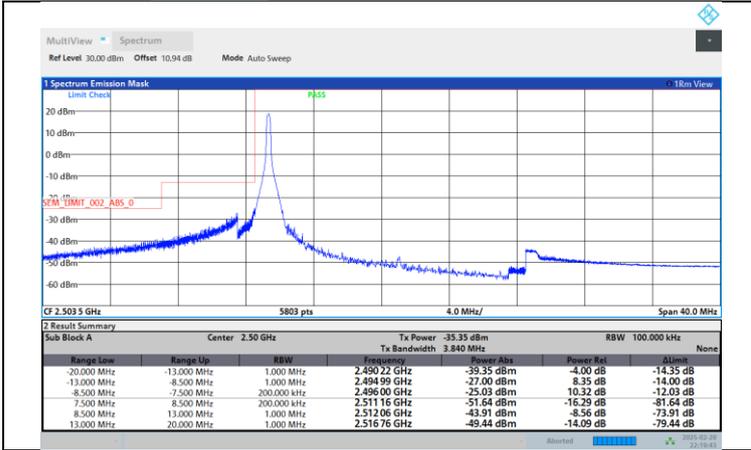


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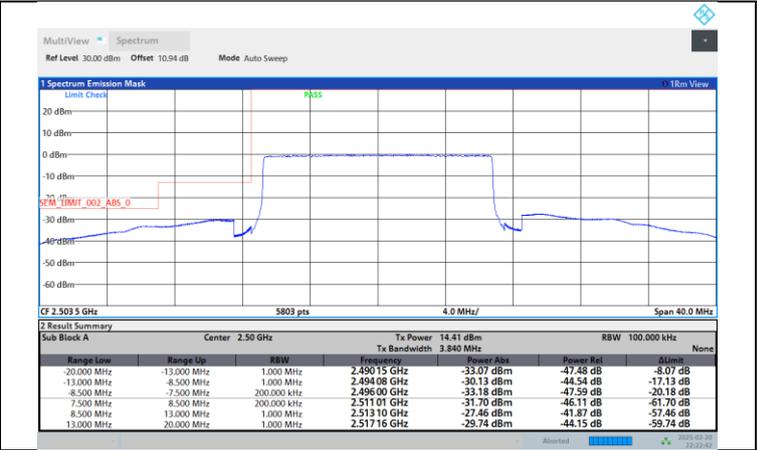
Huarui 7layers High Technology (Suzhou) Co., Ltd.

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

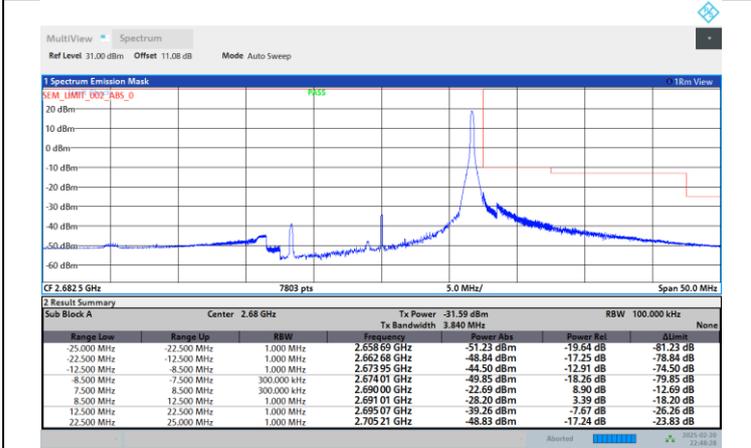
Tel: +86 (0557) 368 1008



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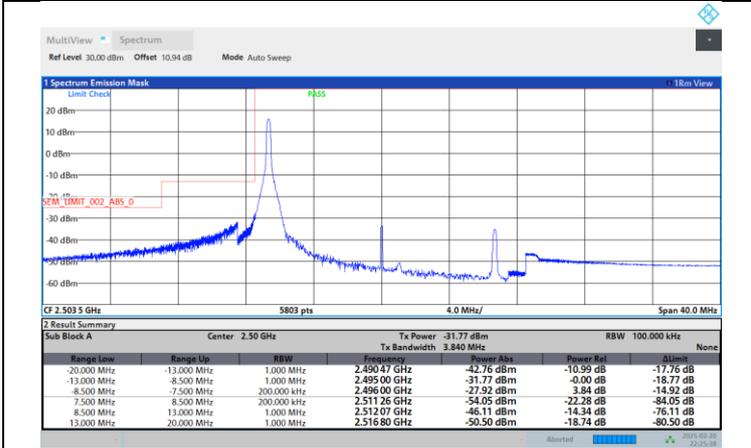
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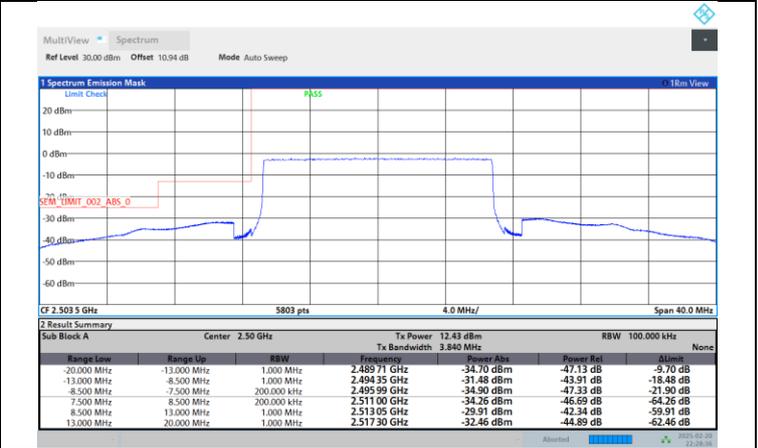
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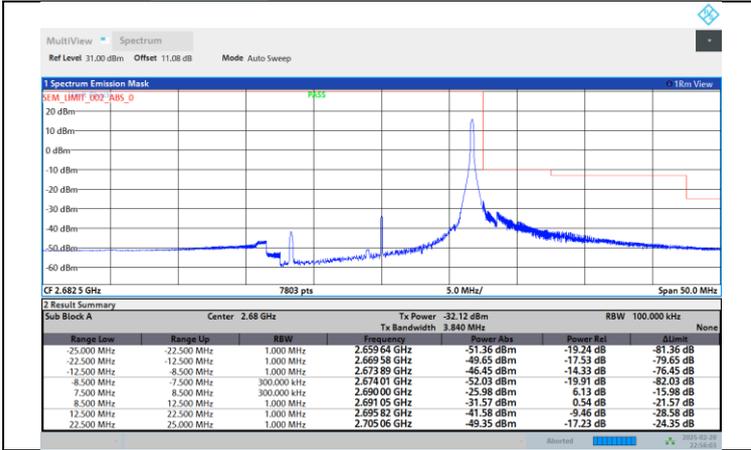
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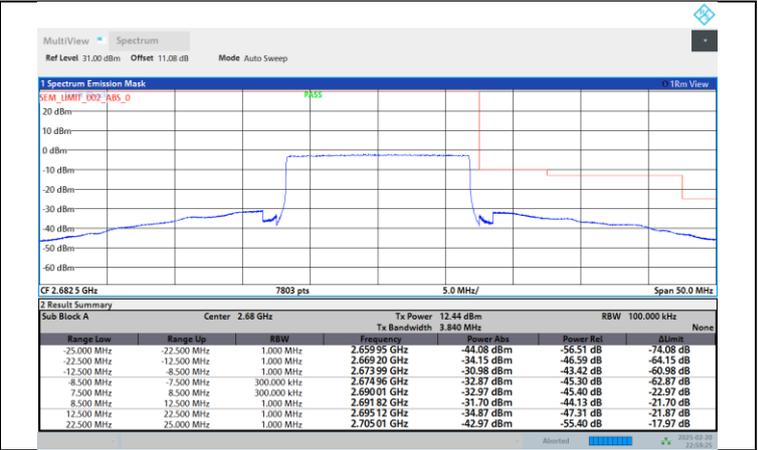
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Band41-15MHz-256QAM-41515-75RB#0



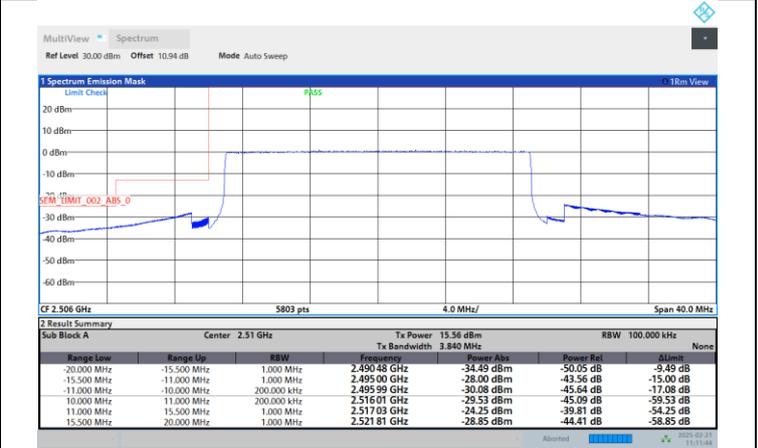
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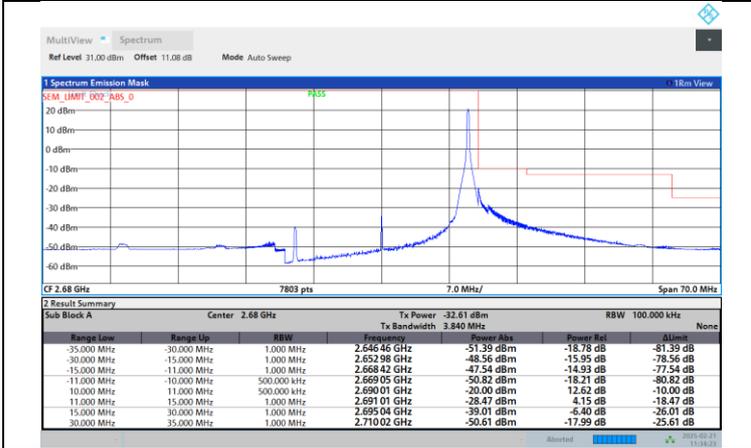
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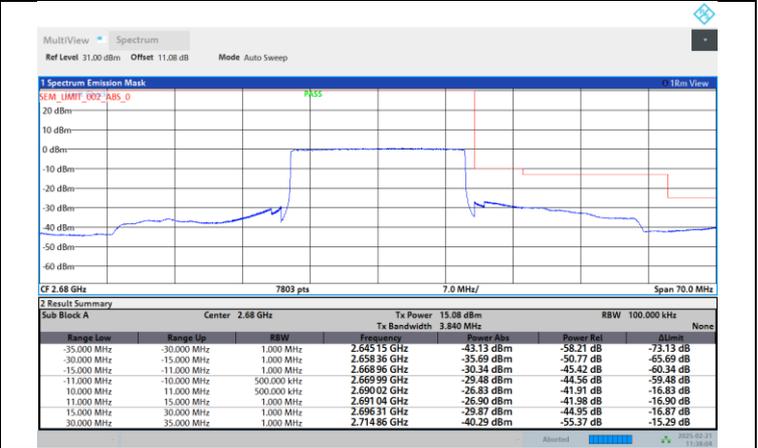
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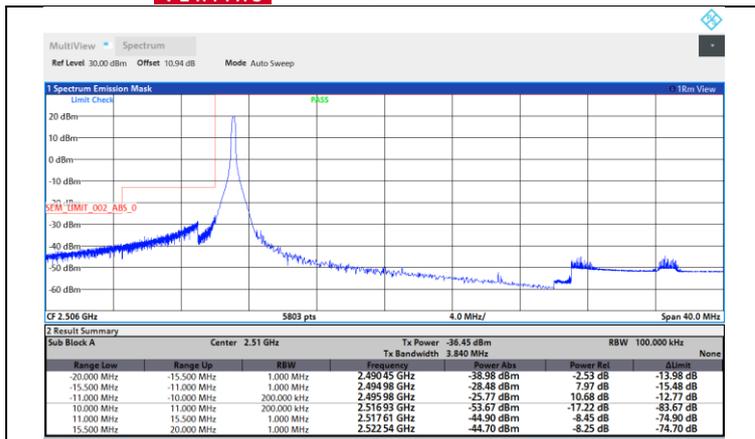
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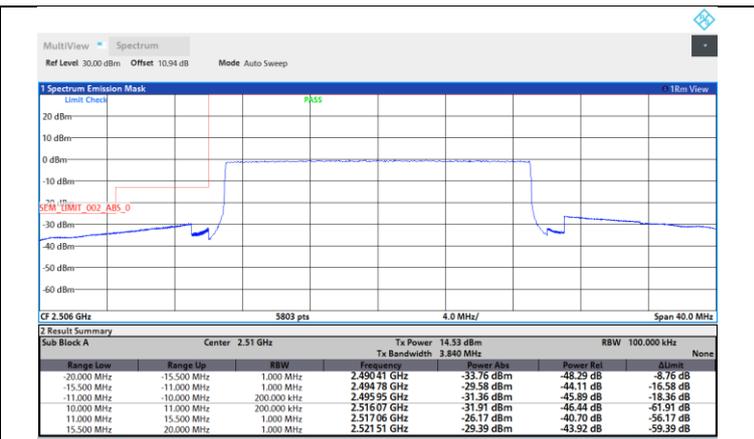
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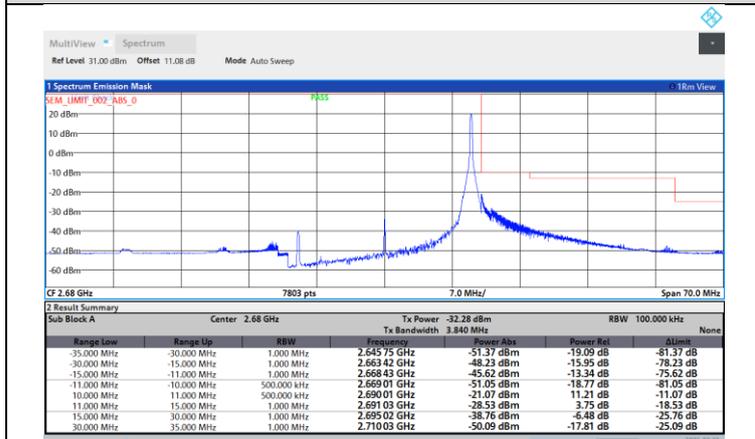
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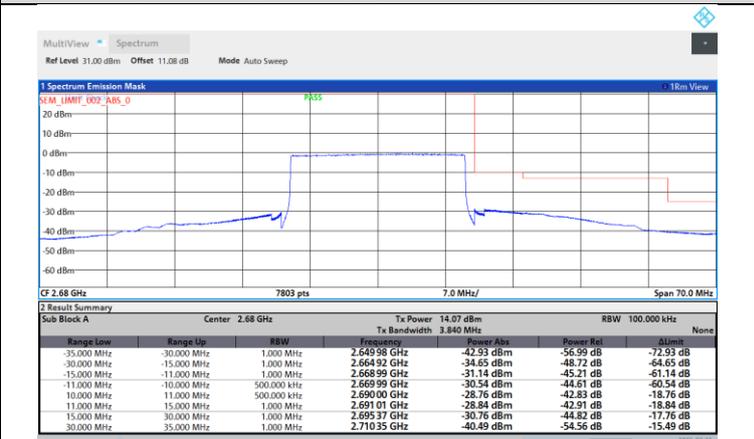
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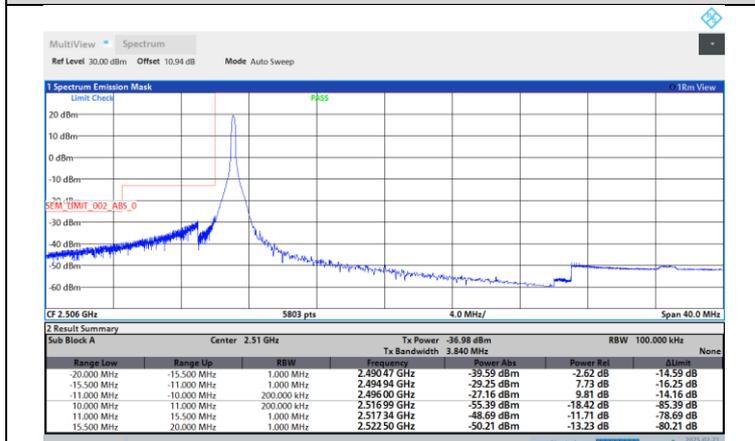
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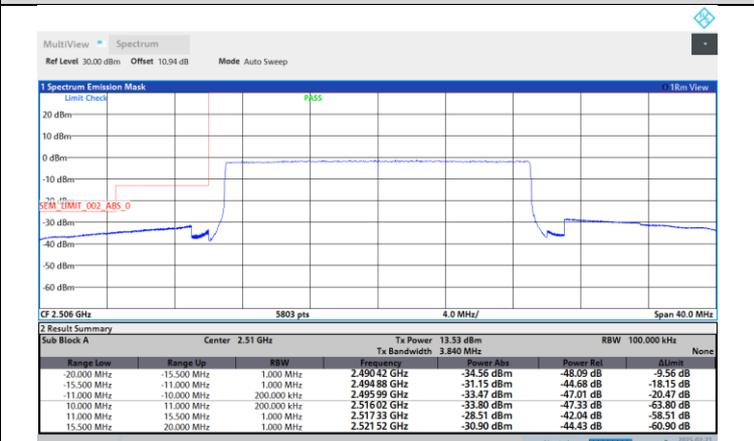
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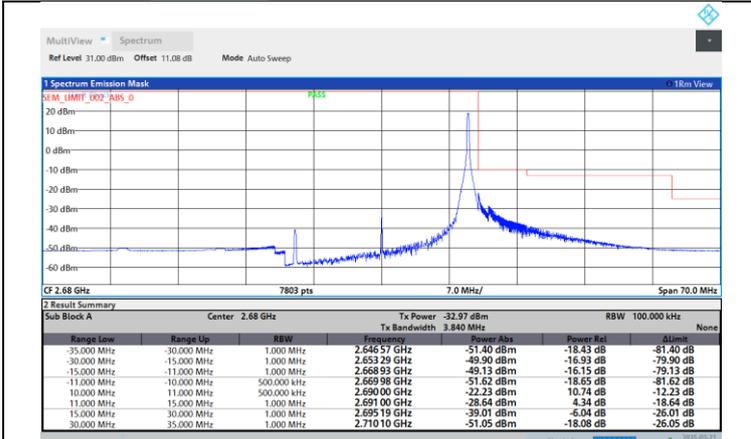
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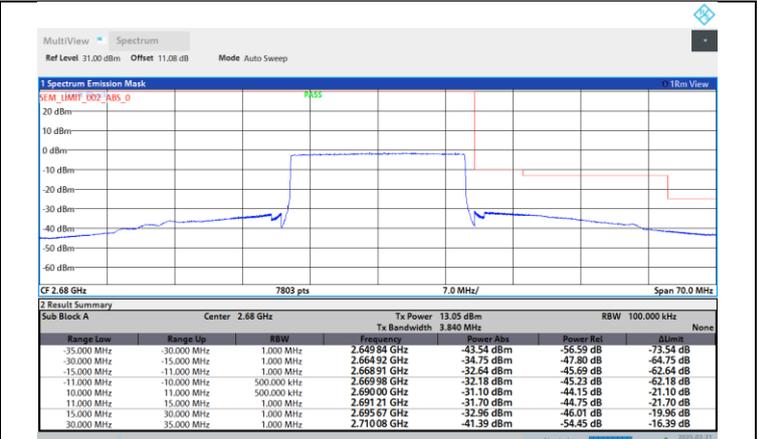
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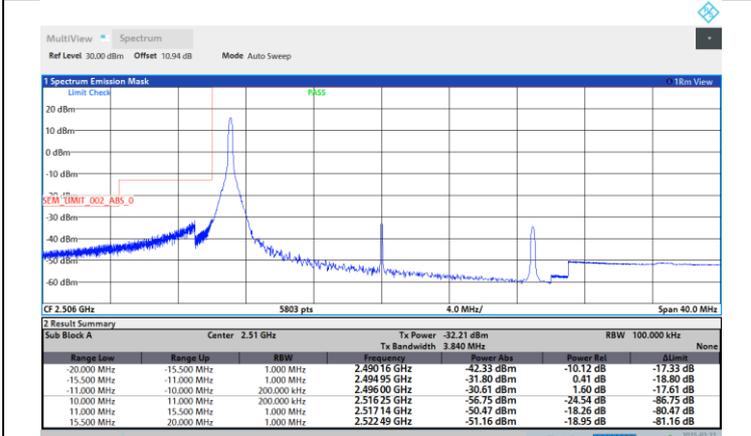
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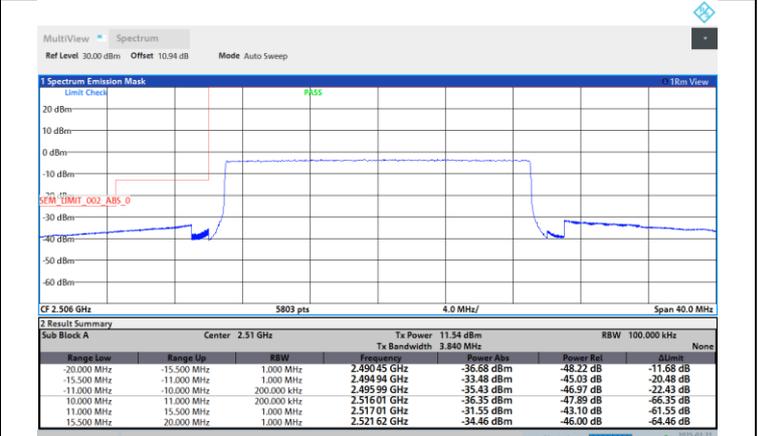
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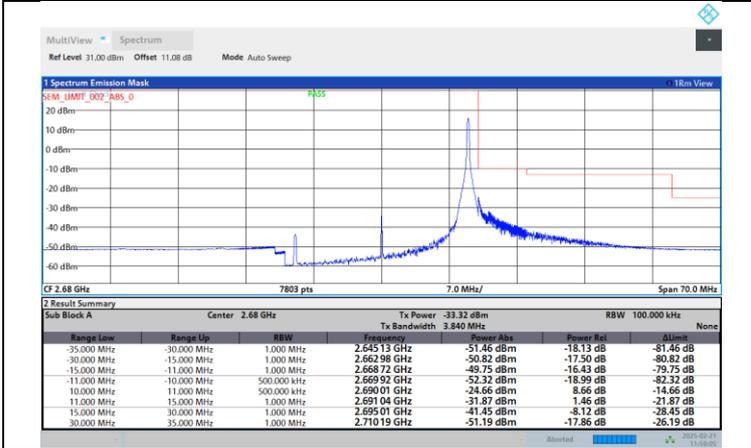
Band41-20MHz-256QAM-39750-100RB#0



Band41-20MHz-256QAM-41490-1RB#99



Band41-20MHz-256QAM-41490-100RB#0



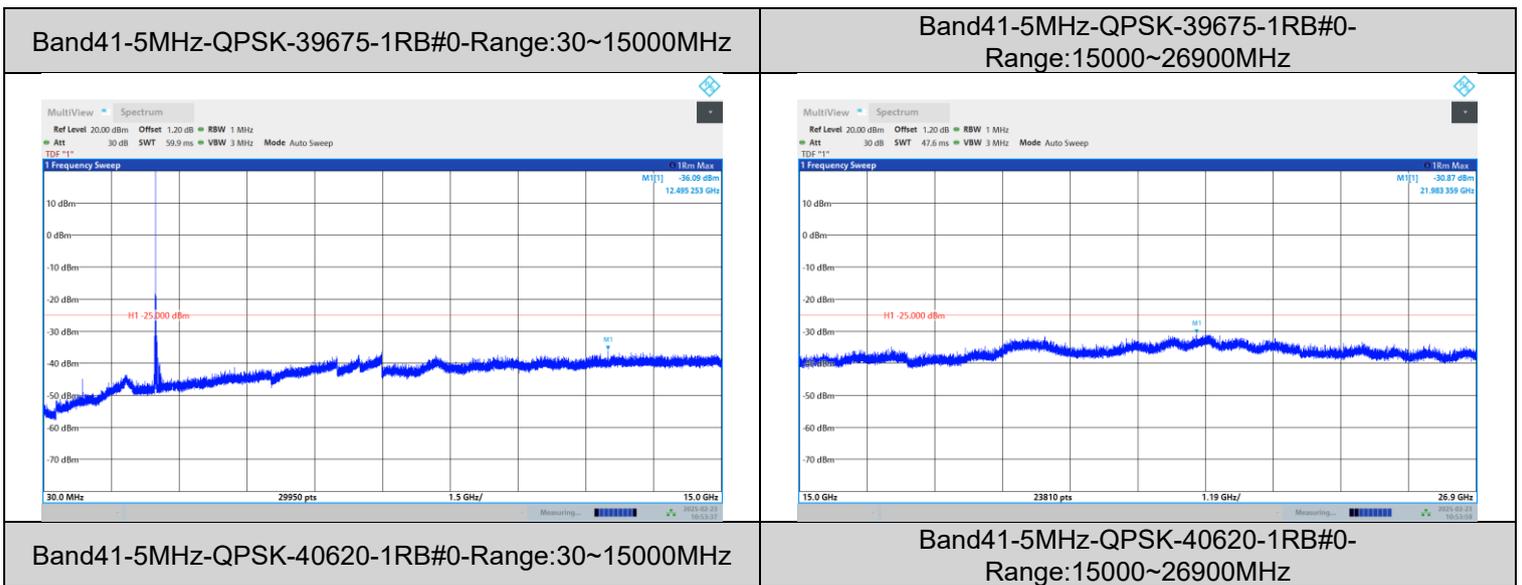


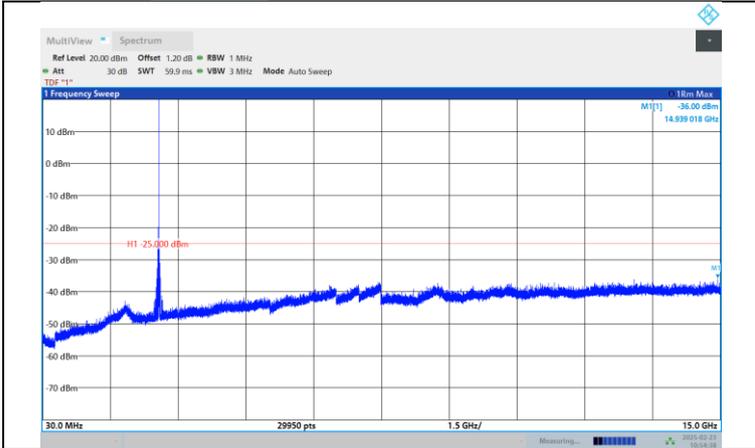
CONDUCTED SPURIOUS EMISSION

Test Result

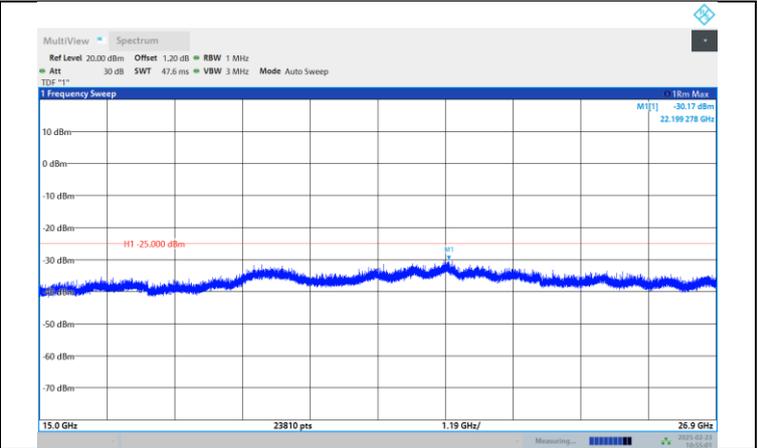
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range:15000~26900MHz	See Graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range:30~15000MHz	See Graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	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

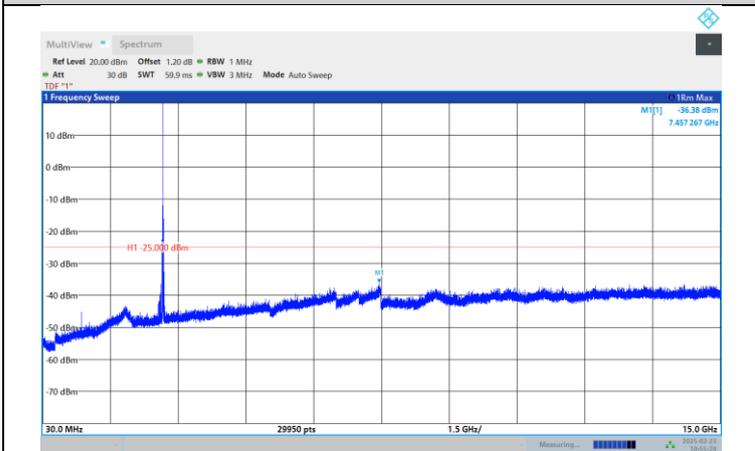




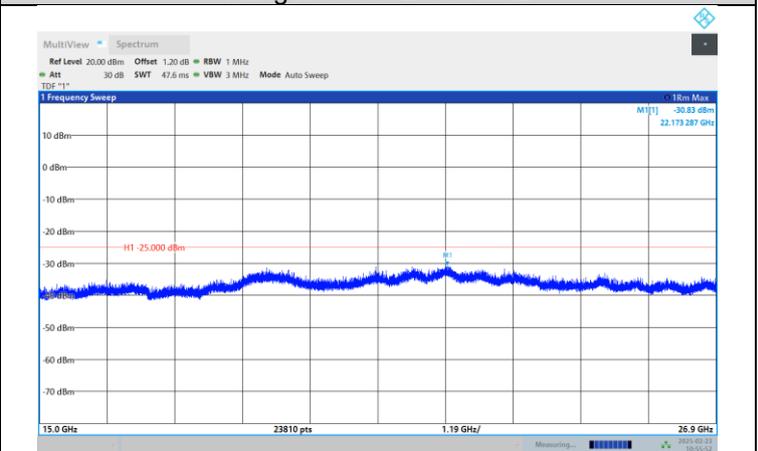
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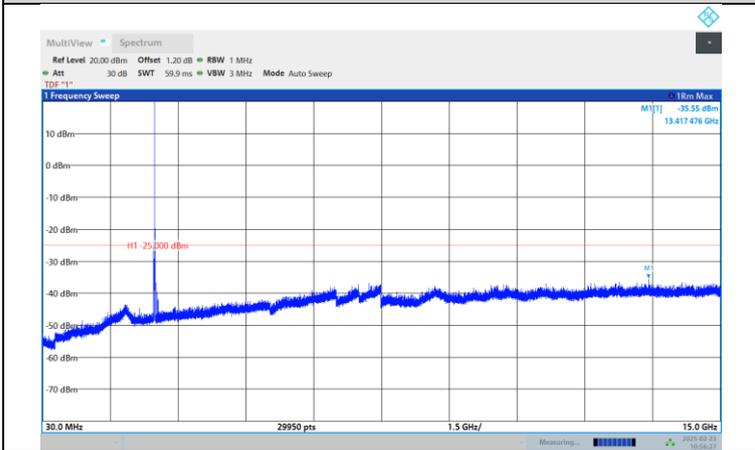
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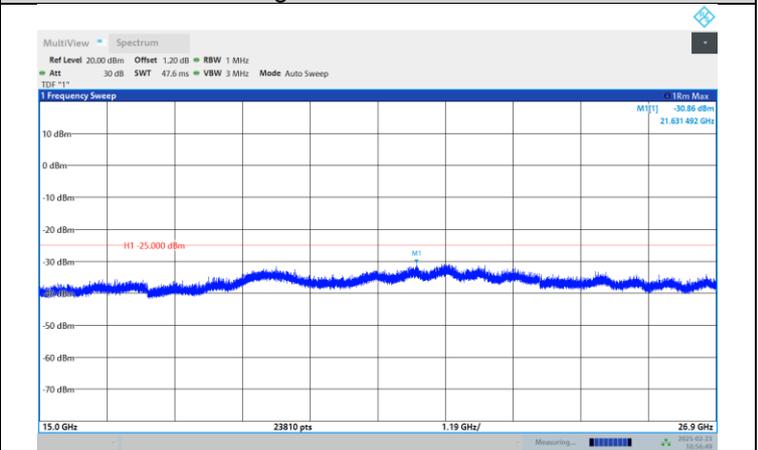
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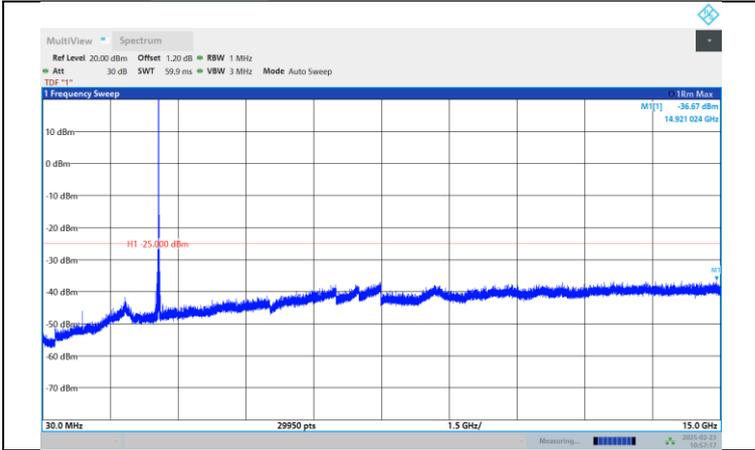
Band41-10MHz-QPSK-39700-1RB#0-Range:15000~26900MHz



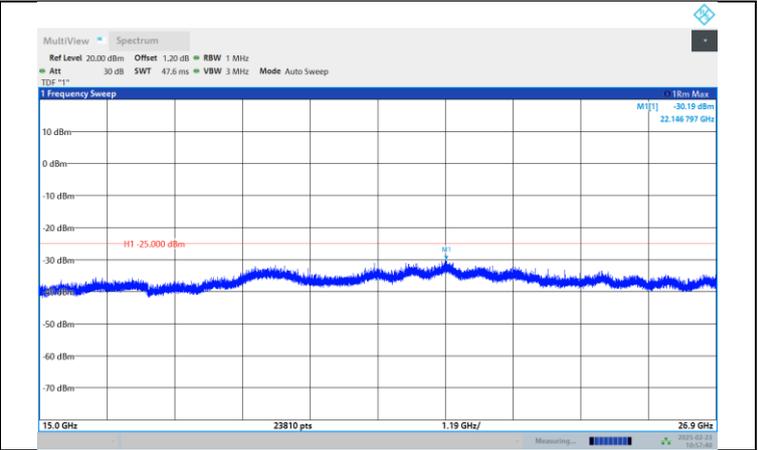
Band41-10MHz-QPSK-40620-1RB#0-Range:30~15000MHz



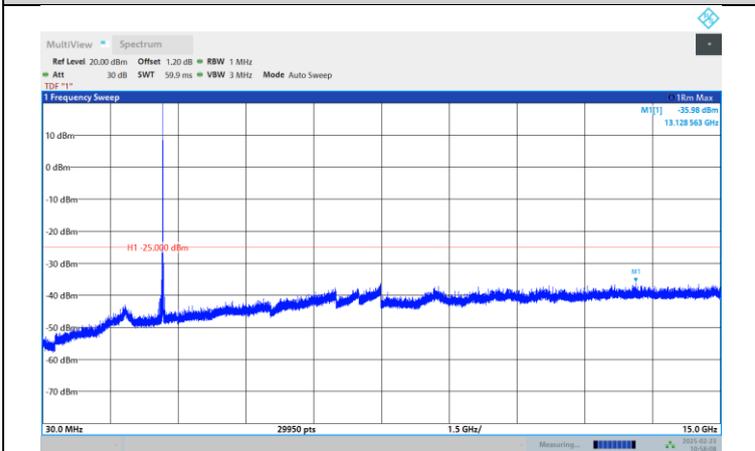
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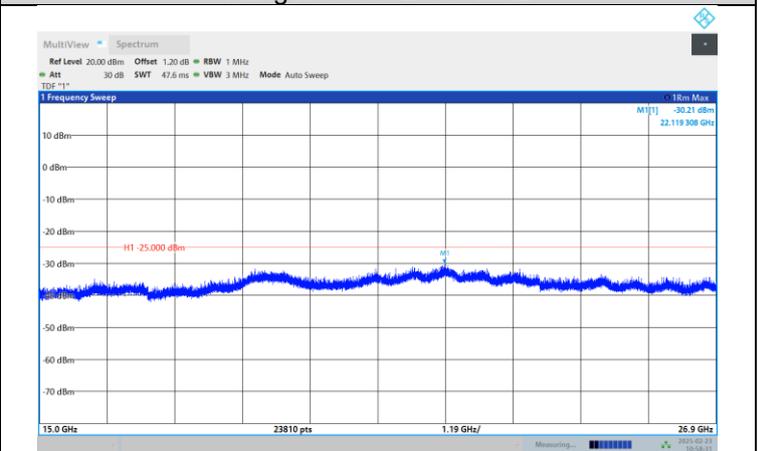
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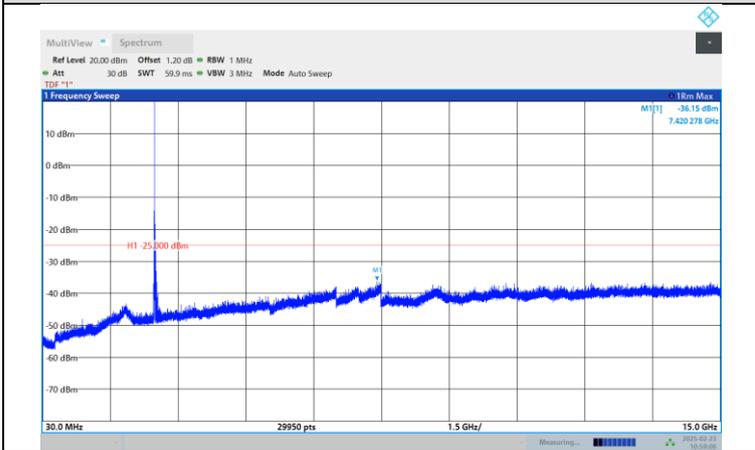
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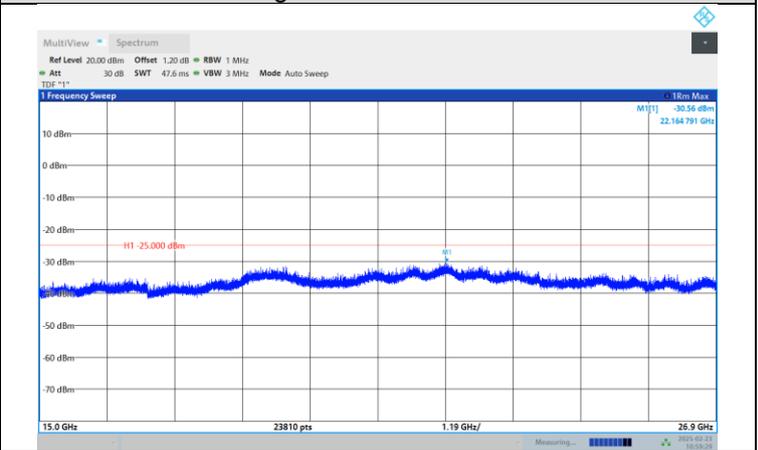
Band41-15MHz-QPSK-39725-1RB#0-Range:30~15000MHz



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



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

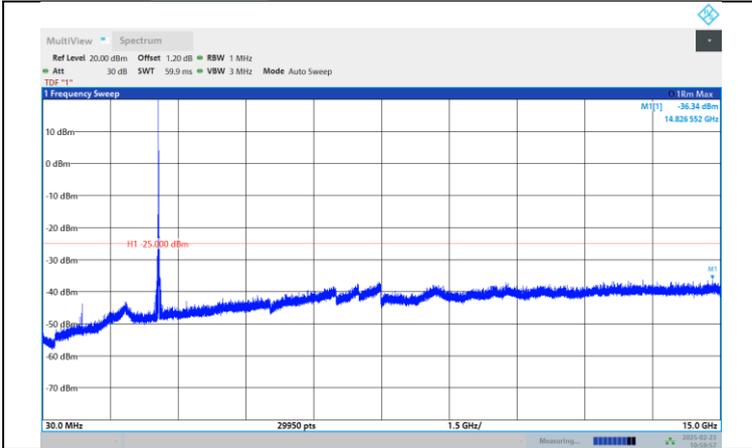


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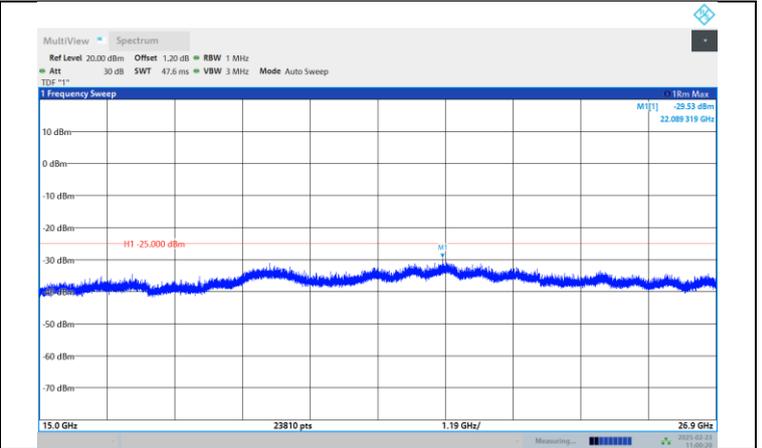


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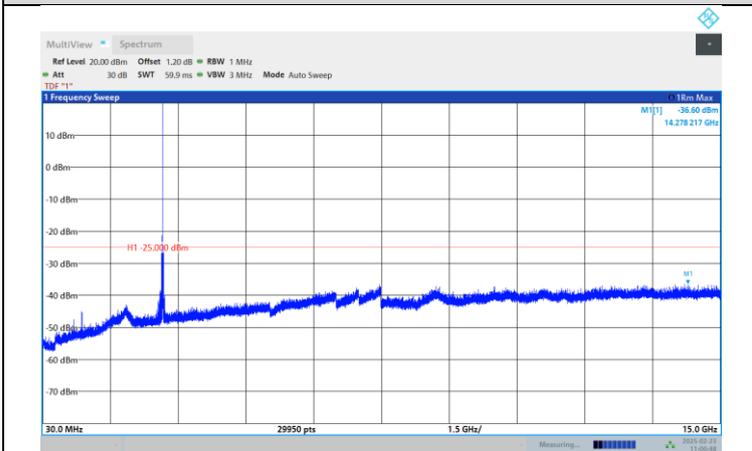
Test Report No.: PSZ-QBJ2501200112RF04



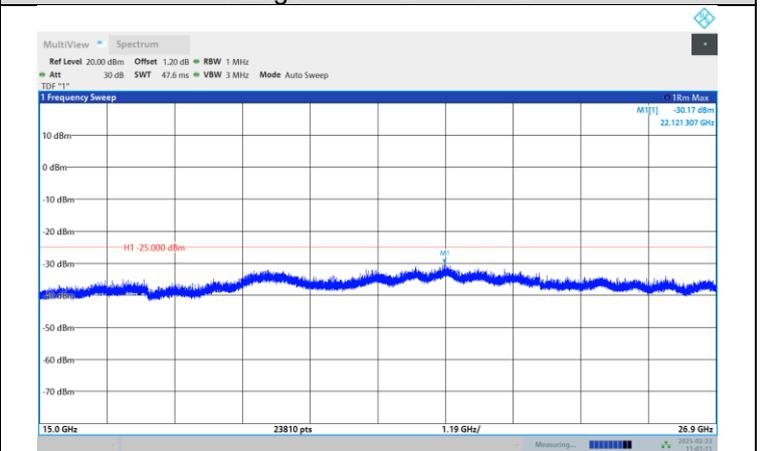
Band41-15MHz-QPSK-41515-1RB#0-Range:30~15000MHz



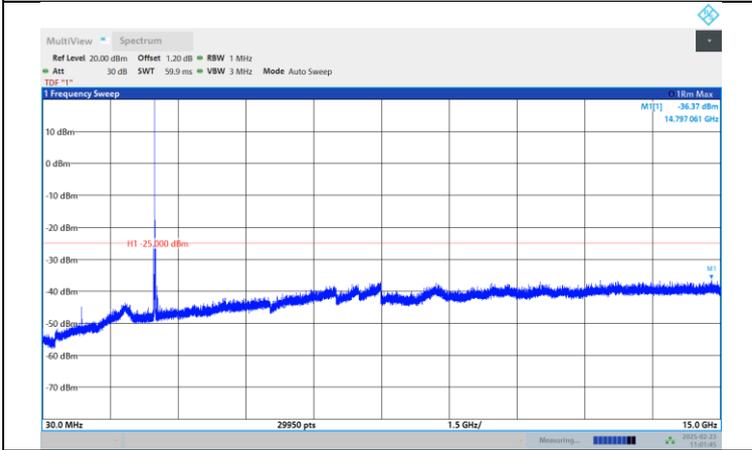
Band41-15MHz-QPSK-41515-1RB#0-Range:15000~26900MHz



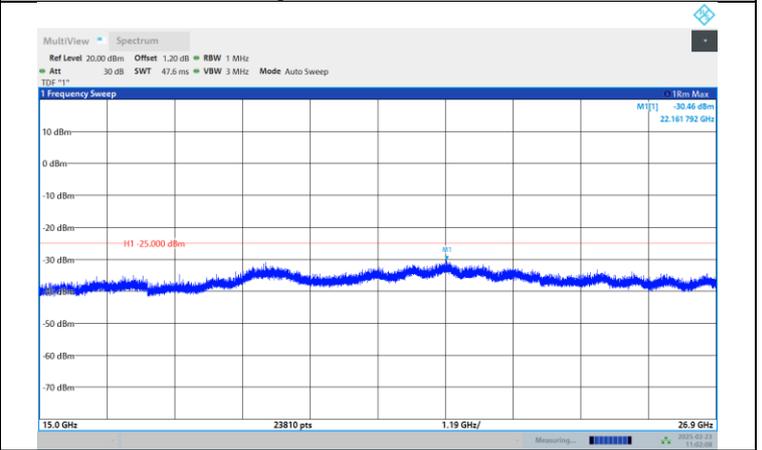
Band41-20MHz-QPSK-39750-1RB#0-Range:30~15000MHz



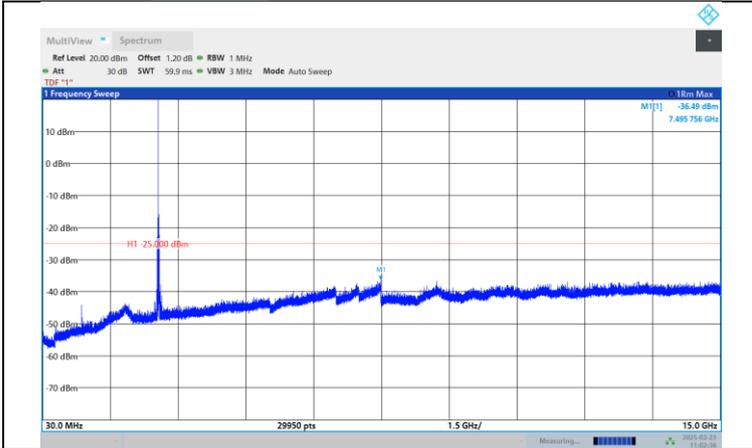
Band41-20MHz-QPSK-39750-1RB#0-Range:15000~26900MHz



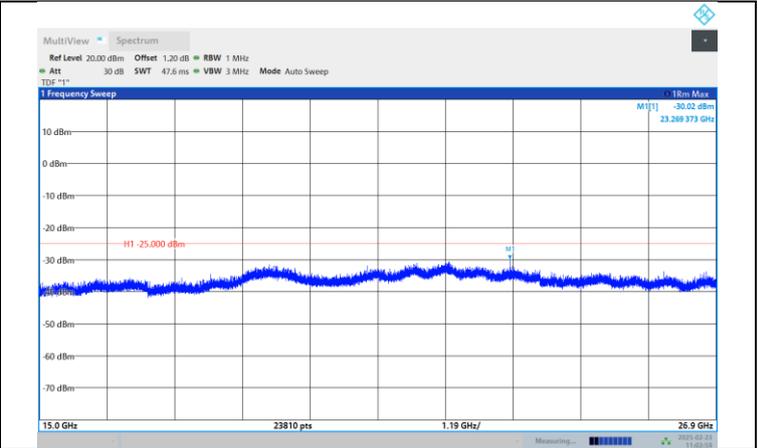
Band41-20MHz-QPSK-40620-1RB#0-Range:30~15000MHz



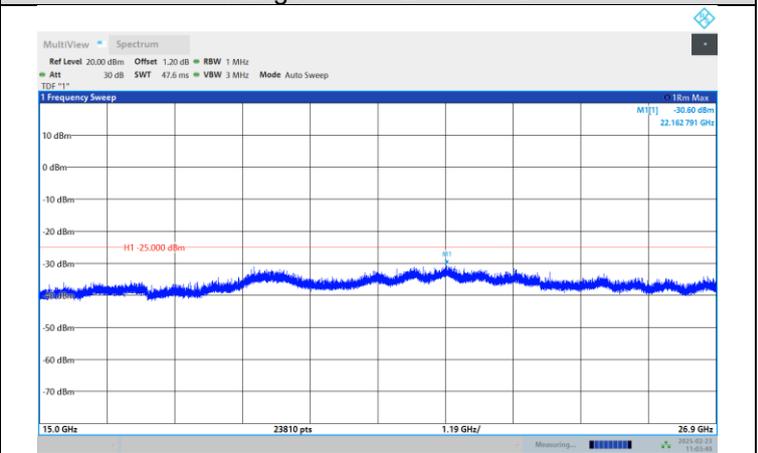
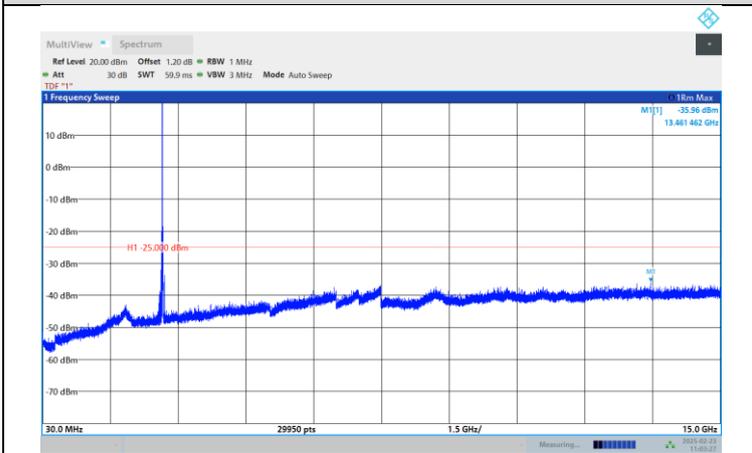
Band41-20MHz-QPSK-40620-1RB#0-Range:15000~26900MHz



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	VL	NT	-6.02	-0.0024	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	-15.33	-0.0061	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	22.96	0.0092	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	24.48	0.0094	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	13.23	0.0051	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	22.20	0.0086	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	23.21	0.0087	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	-34.60	-0.0129	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	5.73	0.0021	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

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

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

Tel: +86 (0557)
368 1008



**BUREAU
VERITAS**

Test Report No.: PSZ-QBJ2501200112RF04

Band41	20MHz	QPSK	39750	100RB#0	NV	-30	0.78	0.0003	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-9.01	-0.0036	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	23.46	0.0094	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	34.31	0.0137	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-23.76	-0.0095	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-9.90	-0.0040	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	-17.19	-0.0069	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-24.95	-0.0100	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	32.02	0.0128	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	25.30	0.0098	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	0.89	0.0003	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-6.17	-0.0024	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	0.12	0.0000	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	2.73	0.0011	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	24.25	0.0094	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-2.48	-0.0010	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	14.03	0.0054	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	5.61	0.0022	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	32.91	0.0123	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	-10.30	-0.0038	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-20.26	-0.0076	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	3.74	0.0014	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	-12.73	-0.0048	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	-2.07	-0.0008	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	4.60	0.0017	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	33.95	0.0127	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	-21.01	-0.0078	±2.5	PASS



BUREAU VERITAS Test Report No.: PSZ-QBJ2501200112RF04

LTE BAND42

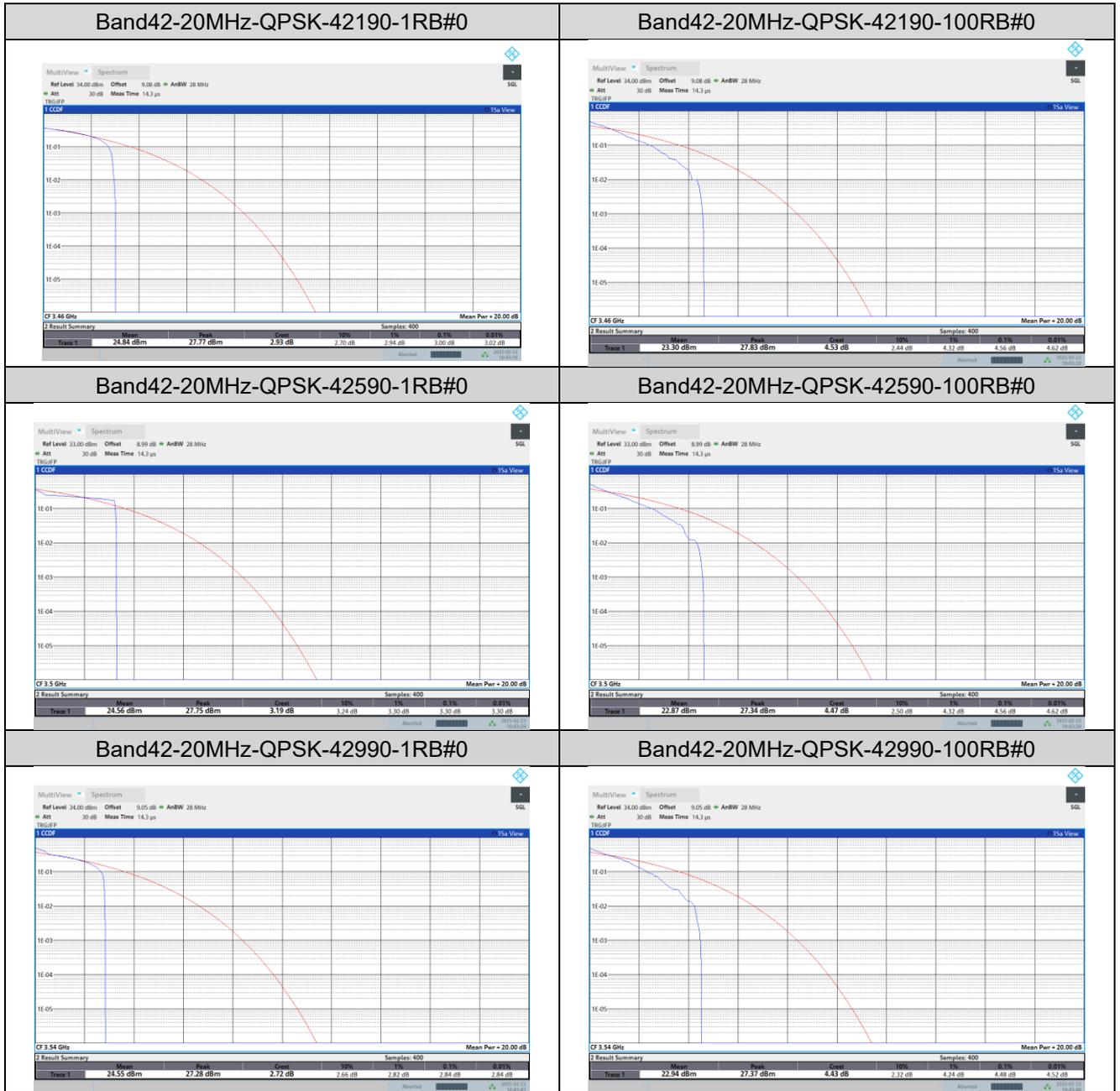
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band42	20MHz	QPSK	42190	1RB#0	3.00	13	PASS
Band42	20MHz	QPSK	42190	100RB#0	4.56	13	PASS
Band42	20MHz	QPSK	42590	1RB#0	3.30	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	4.56	13	PASS
Band42	20MHz	QPSK	42990	1RB#0	2.84	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	4.48	13	PASS



Test Graphs





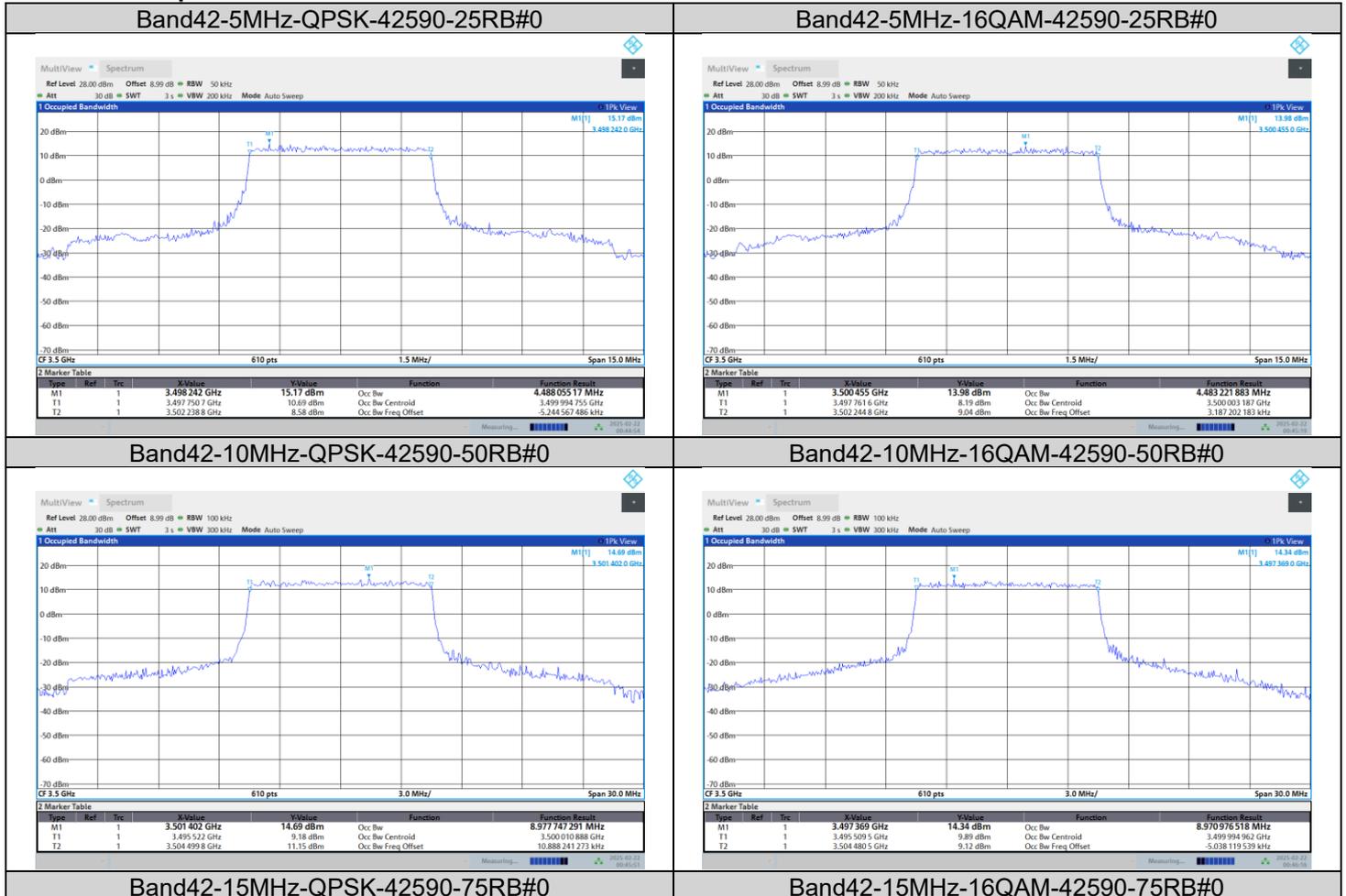
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	42590	25RB#0	4.488	4.97	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.483	4.95	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.978	9.83	PASS
Band42	10MHz	16QAM	42590	50RB#0	8.971	9.74	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.504	14.88	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.486	14.84	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.902	19.60	PASS
Band42	20MHz	16QAM	42590	100RB#0	17.912	19.30	PASS

Test Graphs

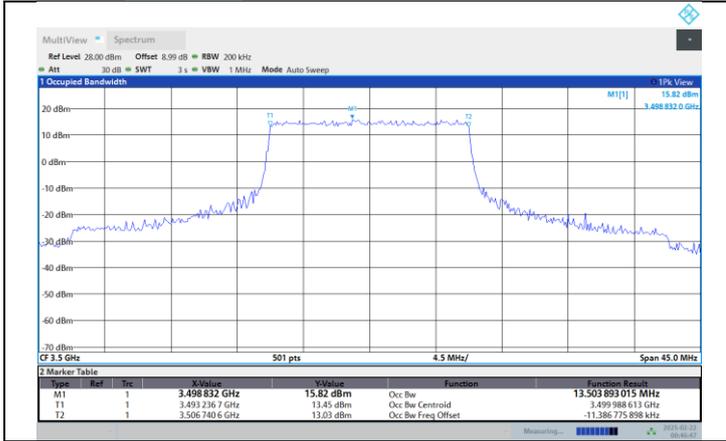
Occupied Bandwidth



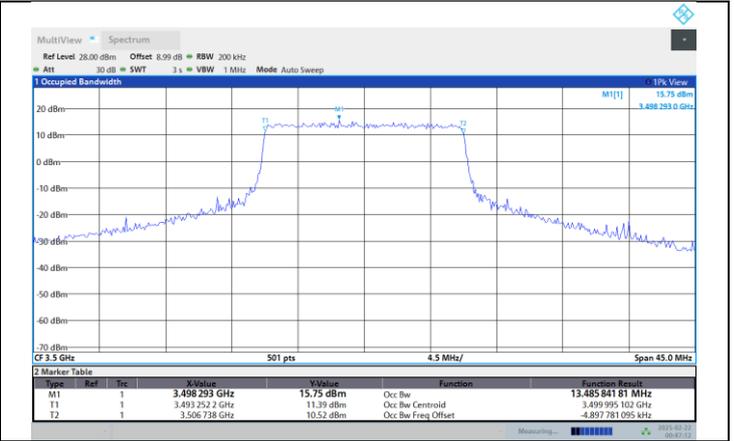


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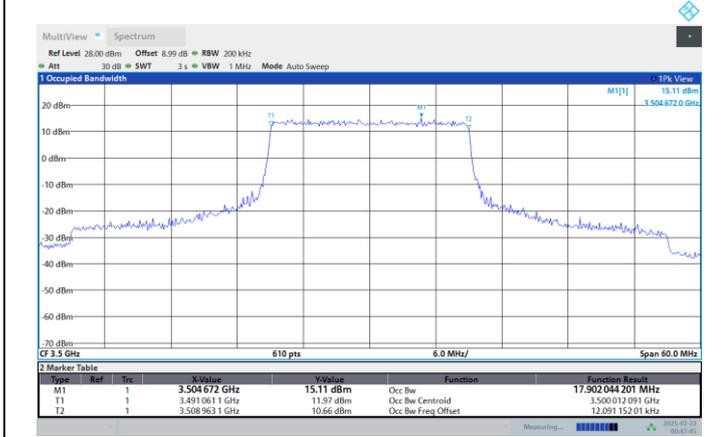
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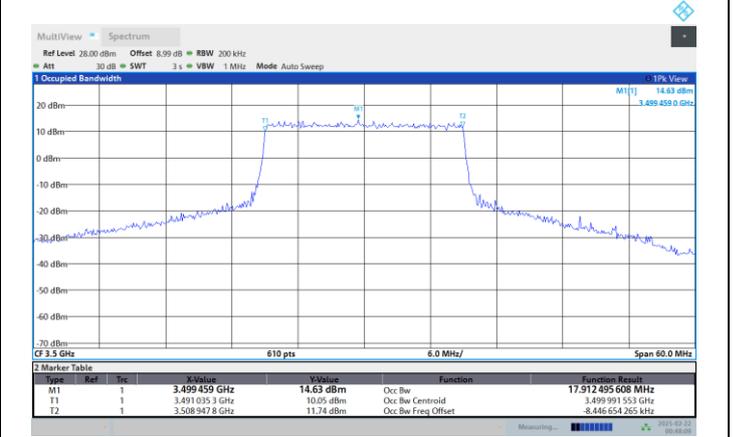
Band42-20MHz-QPSK-42590-100RB#0



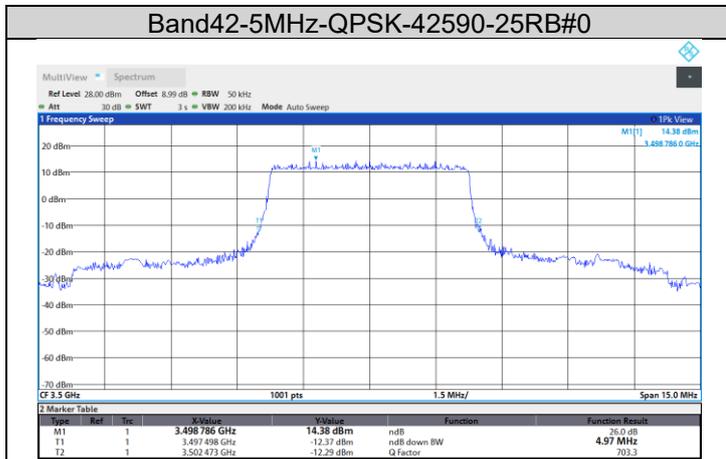
Band42-20MHz-16QAM-42590-100RB#0



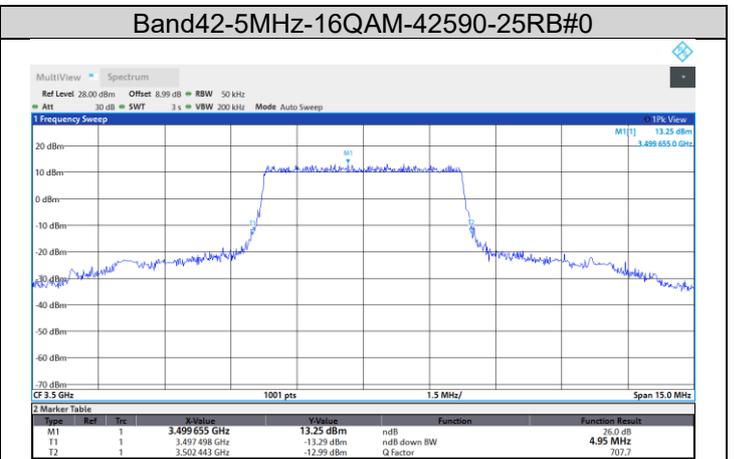
26dB Bandwidth



Band42-5MHz-16QAM-42590-25RB#0



Band42-10MHz-QPSK-42590-50RB#0

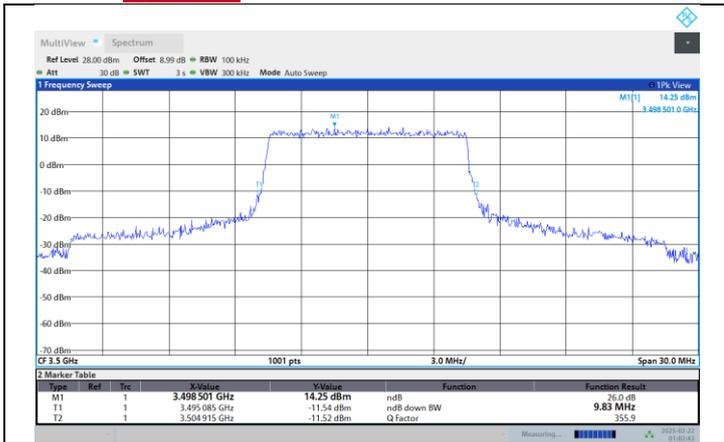


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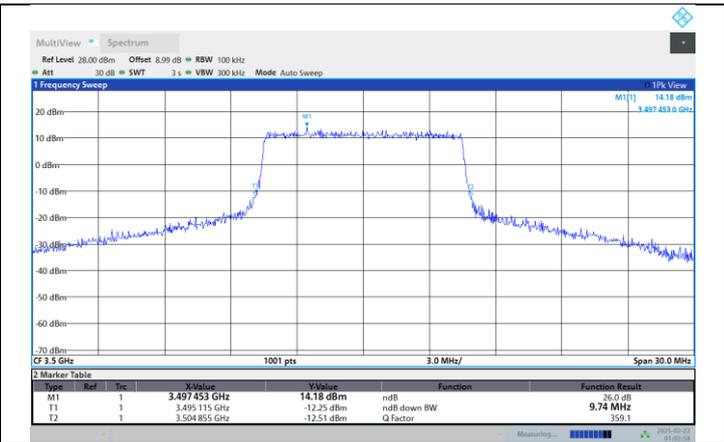
Huarui 7layers High Technology (Suzhou) Co., Ltd.

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

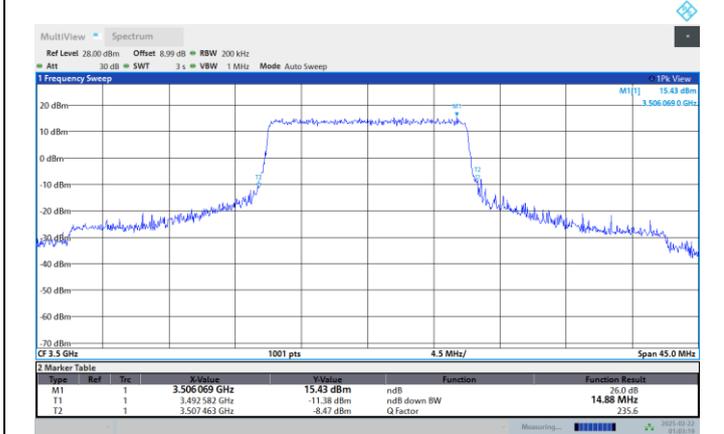
Tel: +86 (0557) 368 1008



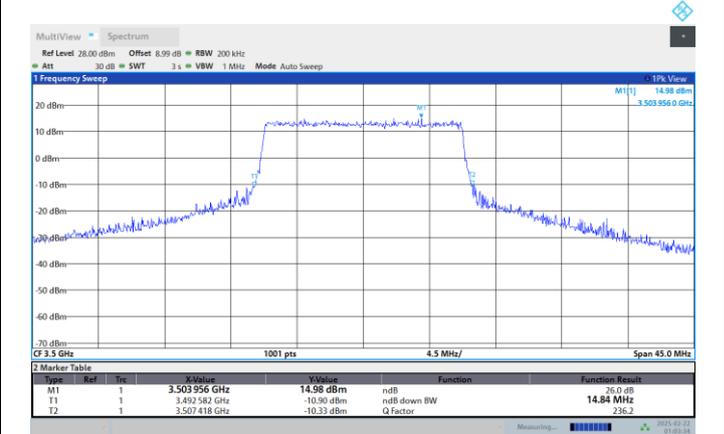
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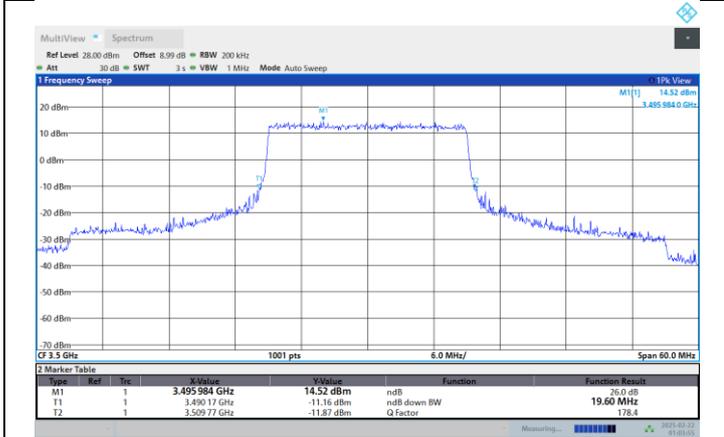
Band42-15MHz-16QAM-42590-75RB#0



Band42-20MHz-QPSK-42590-100RB#0



Band42-20MHz-16QAM-42590-100RB#0



Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	See Graph	PASS

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**BUREAU VERITAS** Test Report No.: PSZ-QBJ2501200112RF04

Band42	5MHz	QPSK	42115	25RB#0	See Graph	PASS
Band42	5MHz	QPSK	43065	1RB#24	See Graph	PASS
Band42	5MHz	QPSK	43065	25RB#0	See Graph	PASS
Band42	5MHz	16QAM	42115	1RB#0	See Graph	PASS
Band42	5MHz	16QAM	42115	25RB#0	See Graph	PASS
Band42	5MHz	16QAM	43065	1RB#24	See Graph	PASS
Band42	5MHz	16QAM	43065	25RB#0	See Graph	PASS
Band42	5MHz	64QAM	42115	1RB#0	See Graph	PASS
Band42	5MHz	64QAM	42115	25RB#0	See Graph	PASS
Band42	5MHz	64QAM	43065	1RB#24	See Graph	PASS
Band42	5MHz	64QAM	43065	25RB#0	See Graph	PASS
Band42	5MHz	256QAM	42115	1RB#0	See Graph	PASS
Band42	5MHz	256QAM	42115	25RB#0	See Graph	PASS
Band42	5MHz	256QAM	43065	1RB#24	See Graph	PASS
Band42	5MHz	256QAM	43065	25RB#0	See Graph	PASS
Band42	10MHz	QPSK	42140	1RB#0	See Graph	PASS
Band42	10MHz	QPSK	42140	50RB#0	See Graph	PASS
Band42	10MHz	QPSK	43040	1RB#49	See Graph	PASS
Band42	10MHz	QPSK	43040	50RB#0	See Graph	PASS
Band42	10MHz	16QAM	42140	1RB#0	See Graph	PASS
Band42	10MHz	16QAM	42140	50RB#0	See Graph	PASS
Band42	10MHz	16QAM	43040	1RB#49	See Graph	PASS
Band42	10MHz	16QAM	43040	50RB#0	See Graph	PASS
Band42	10MHz	64QAM	42140	1RB#0	See Graph	PASS
Band42	10MHz	64QAM	42140	50RB#0	See Graph	PASS
Band42	10MHz	64QAM	43040	1RB#49	See Graph	PASS
Band42	10MHz	64QAM	43040	50RB#0	See Graph	PASS
Band42	10MHz	256QAM	42140	1RB#0	See Graph	PASS
Band42	10MHz	256QAM	42140	50RB#0	See Graph	PASS
Band42	10MHz	256QAM	43040	1RB#49	See Graph	PASS
Band42	10MHz	256QAM	43040	50RB#0	See Graph	PASS
Band42	15MHz	QPSK	42165	1RB#0	See Graph	PASS
Band42	15MHz	QPSK	42165	75RB#0	See Graph	PASS
Band42	15MHz	QPSK	43015	1RB#74	See Graph	PASS
Band42	15MHz	QPSK	43015	75RB#0	See Graph	PASS
Band42	15MHz	16QAM	42165	1RB#0	See Graph	PASS
Band42	15MHz	16QAM	42165	75RB#0	See Graph	PASS
Band42	15MHz	16QAM	43015	1RB#74	See Graph	PASS
Band42	15MHz	16QAM	43015	75RB#0	See Graph	PASS
Band42	15MHz	64QAM	42165	1RB#0	See Graph	PASS
Band42	15MHz	64QAM	42165	75RB#0	See Graph	PASS
Band42	15MHz	64QAM	43015	1RB#74	See Graph	PASS
Band42	15MHz	64QAM	43015	75RB#0	See Graph	PASS
Band42	15MHz	256QAM	42165	1RB#0	See Graph	PASS
Band42	15MHz	256QAM	42165	75RB#0	See Graph	PASS
Band42	15MHz	256QAM	43015	1RB#74	See Graph	PASS
Band42	15MHz	256QAM	43015	75RB#0	See Graph	PASS
Band42	20MHz	QPSK	42190	1RB#0	See Graph	PASS
Band42	20MHz	QPSK	42190	100RB#0	See Graph	PASS
Band42	20MHz	QPSK	42990	1RB#99	See Graph	PASS
Band42	20MHz	QPSK	42990	100RB#0	See Graph	PASS
Band42	20MHz	16QAM	42190	1RB#0	See Graph	PASS
Band42	20MHz	16QAM	42190	100RB#0	See Graph	PASS
Band42	20MHz	16QAM	42990	1RB#99	See Graph	PASS
Band42	20MHz	16QAM	42990	100RB#0	See Graph	PASS

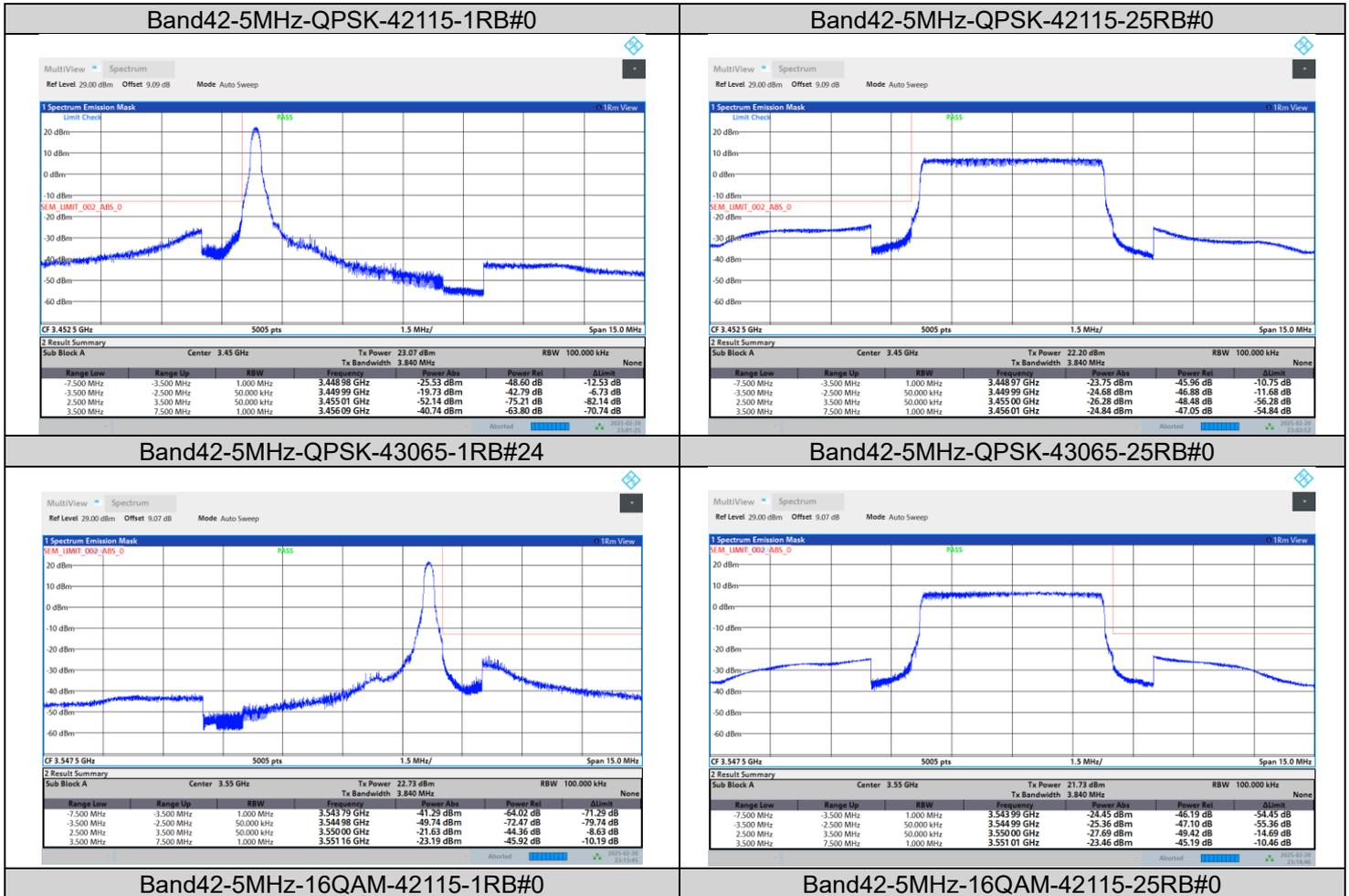
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Band42	20MHz	64QAM	42190	1RB#0	See Graph	PASS
Band42	20MHz	64QAM	42190	100RB#0	See Graph	PASS
Band42	20MHz	64QAM	42990	1RB#99	See Graph	PASS
Band42	20MHz	64QAM	42990	100RB#0	See Graph	PASS
Band42	20MHz	256QAM	42190	1RB#0	See Graph	PASS
Band42	20MHz	256QAM	42190	100RB#0	See Graph	PASS
Band42	20MHz	256QAM	42990	1RB#99	See Graph	PASS
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Test Graphs



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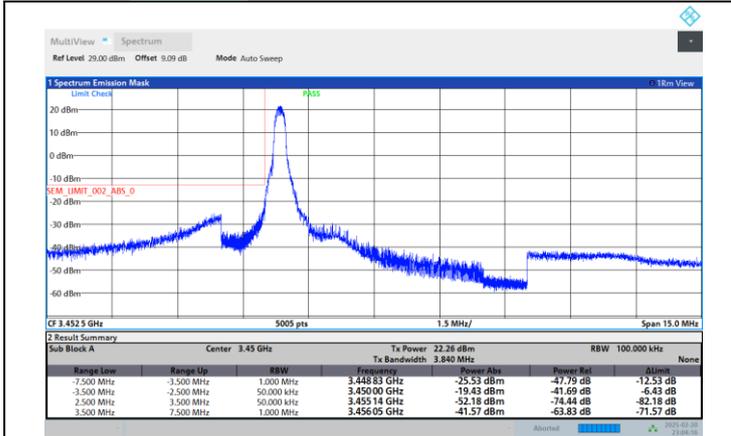
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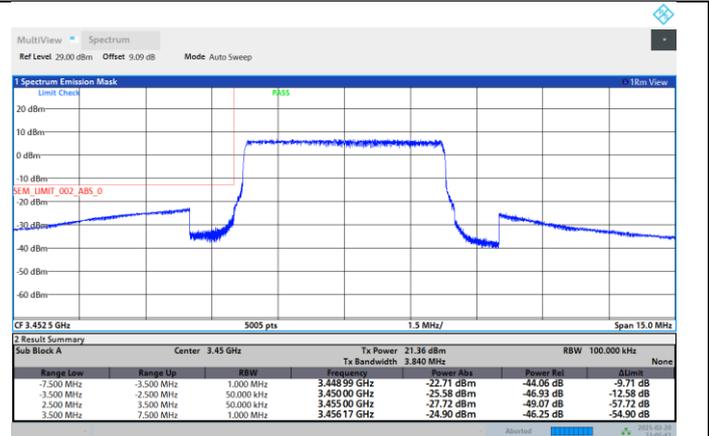


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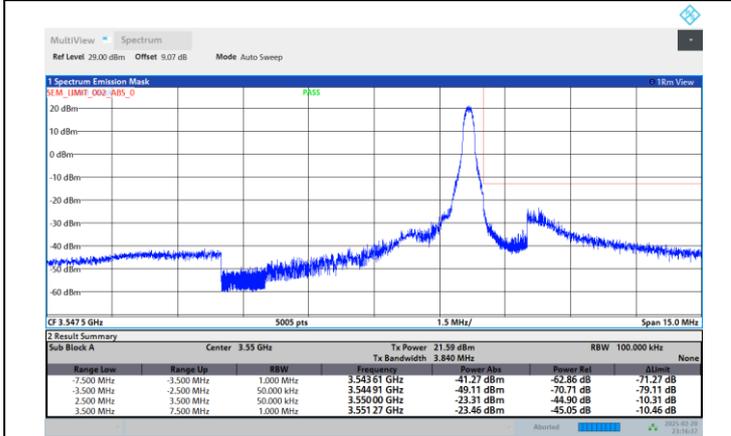
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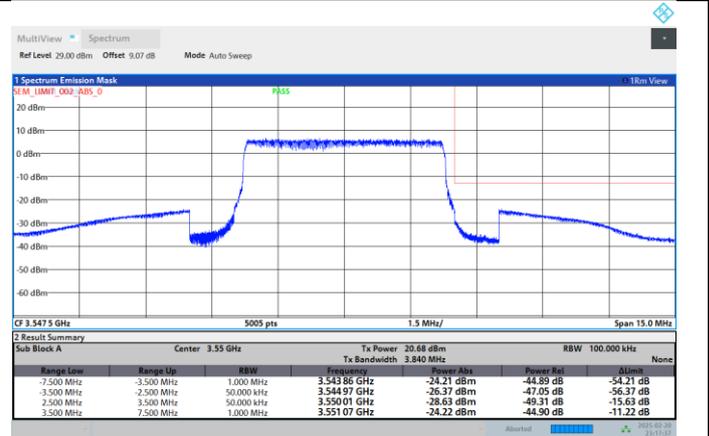
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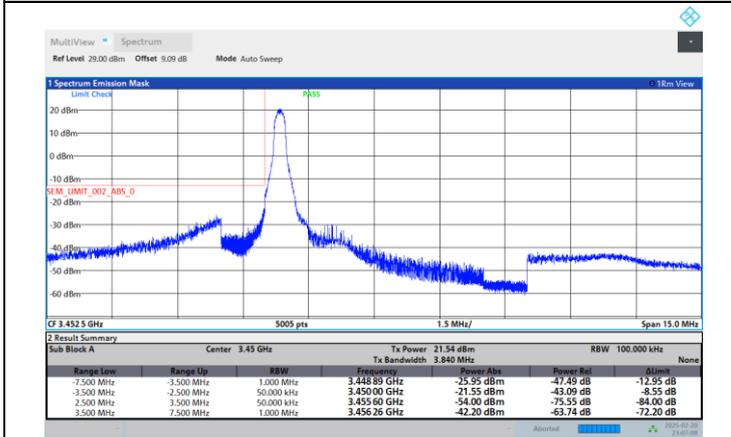
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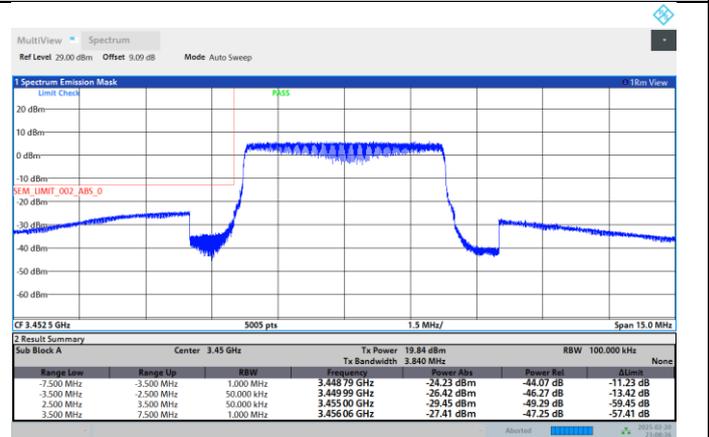
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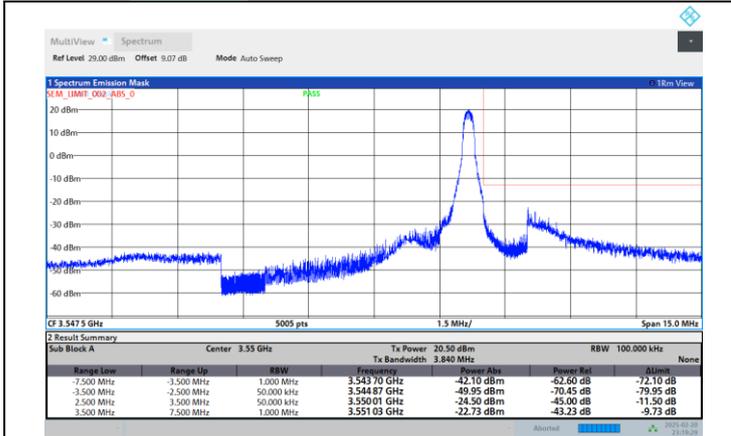


Band42-5MHz-64QAM-43065-25RB#0

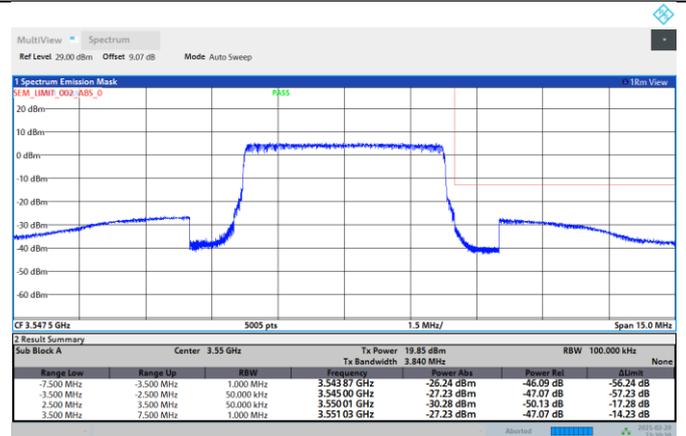
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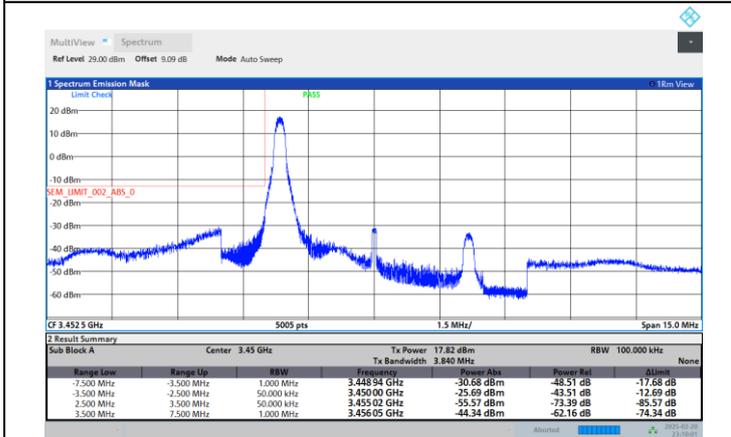
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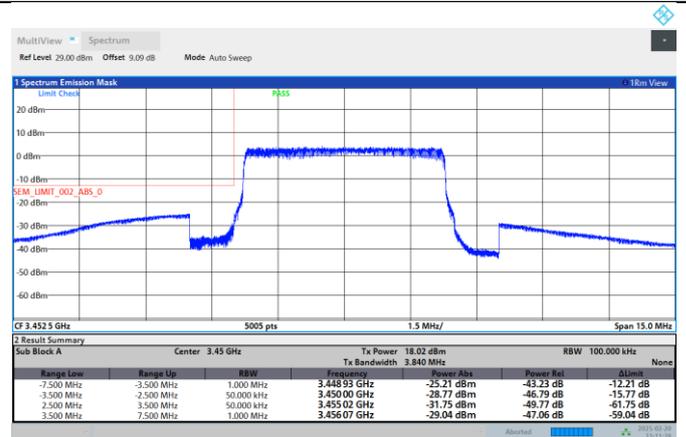
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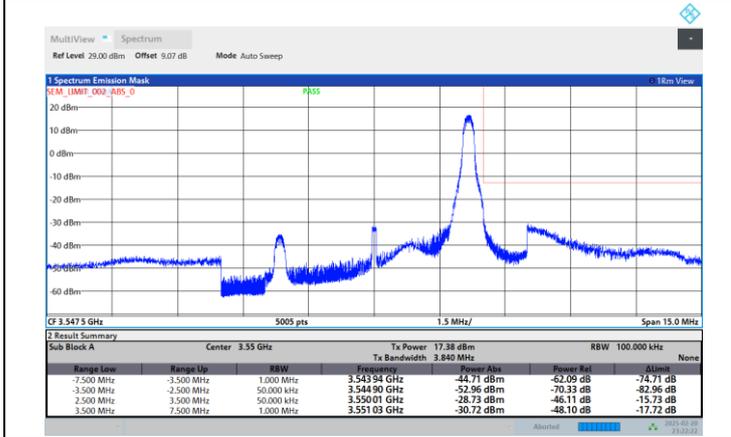
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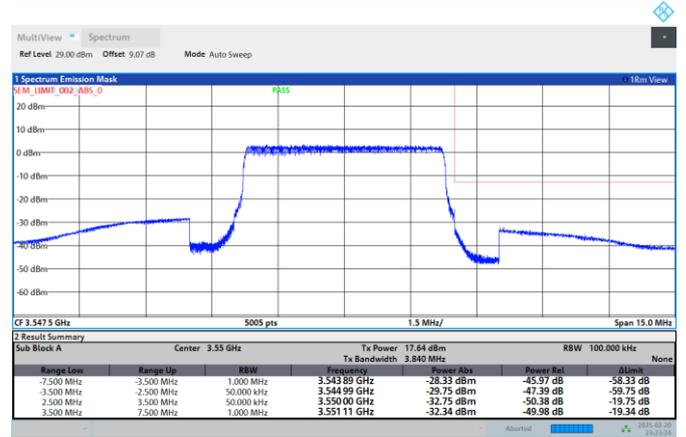
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Band42-10MHz-QPSK-42140-1RB#0



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