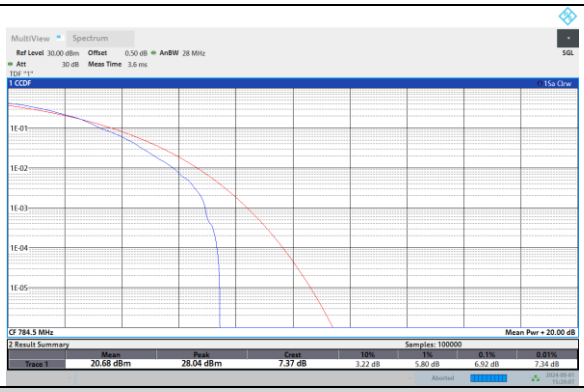
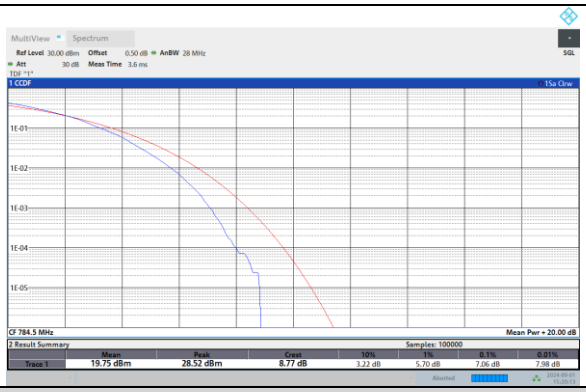
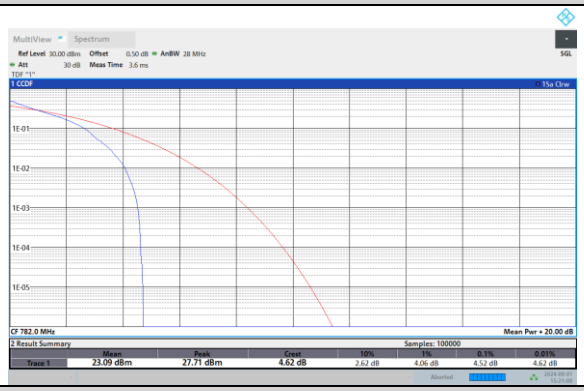


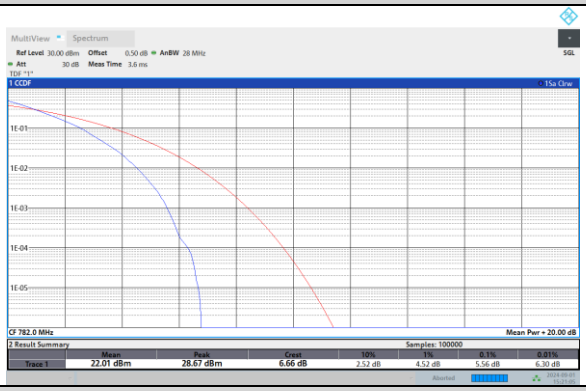
Band13-10MHz-QPSK-23230-1RB#0



Band13-10MHz-QPSK-23230-6RB#0



Band13-10MHz-16QAM-23230-1RB#0



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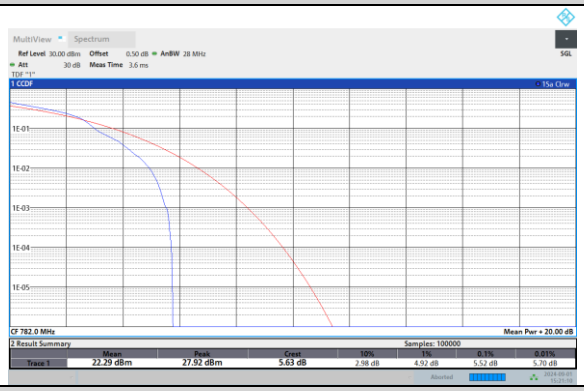

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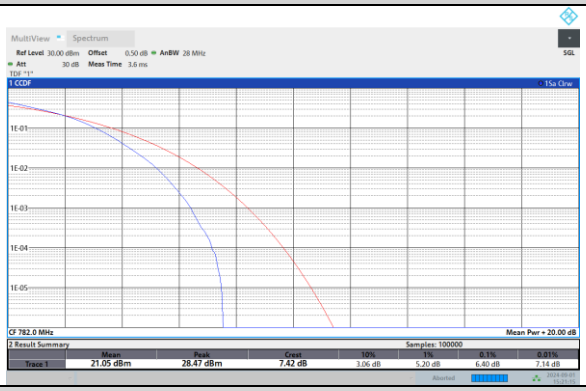
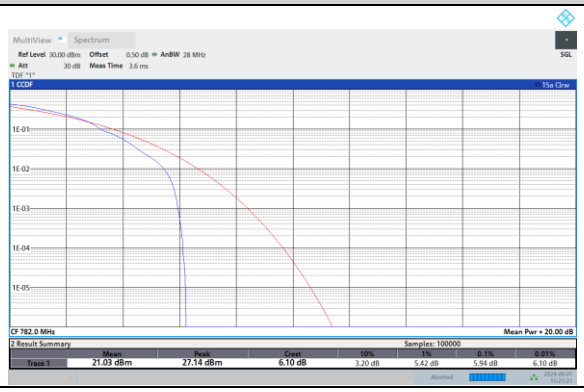
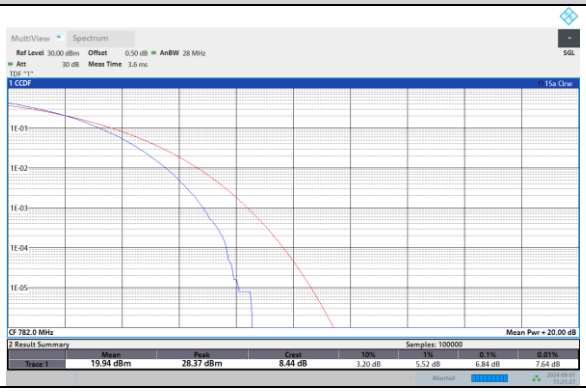


Band13-10MHz-64QAM-23230-6RB#0





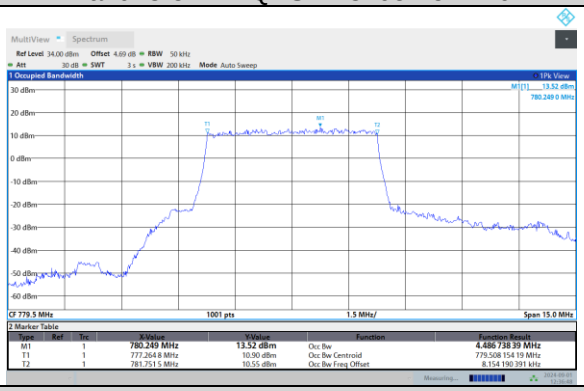
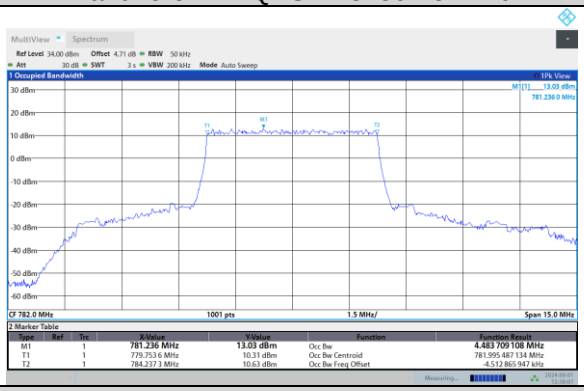
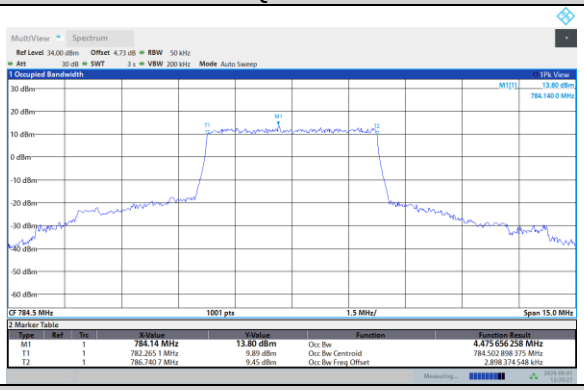
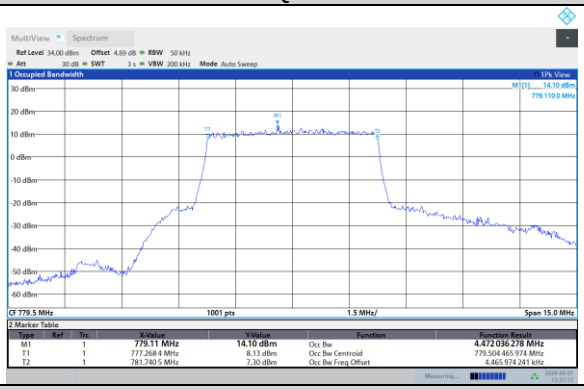
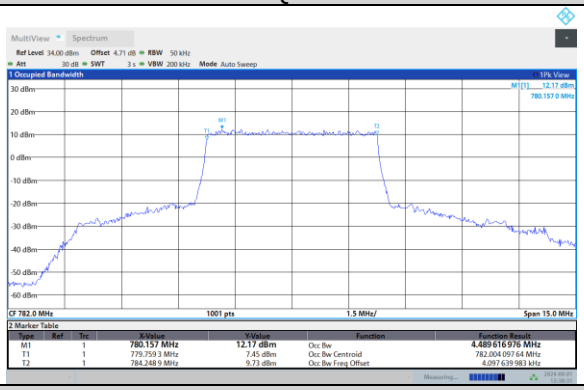
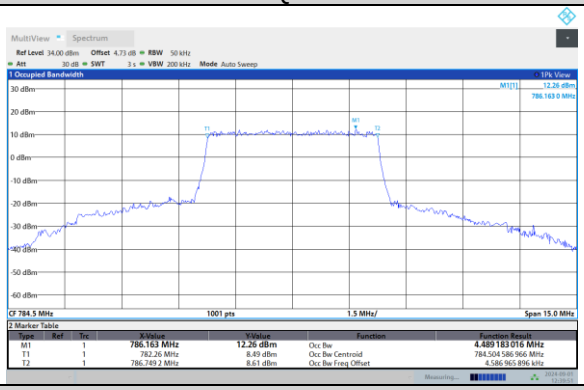
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

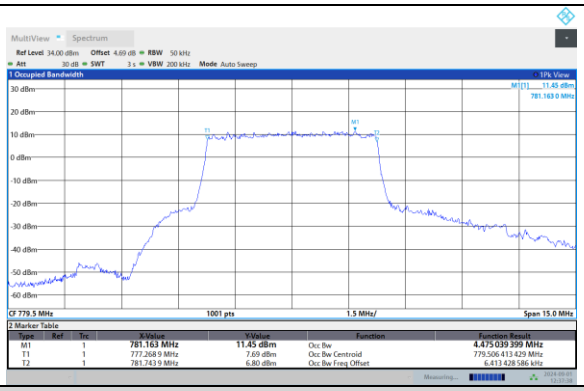
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.487	4.93	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.484	4.90	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.476	4.88	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.472	4.83	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.490	4.93	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.489	4.97	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.475	4.92	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.487	4.93	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.479	4.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.939	9.74	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.930	9.62	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.919	9.62	PASS

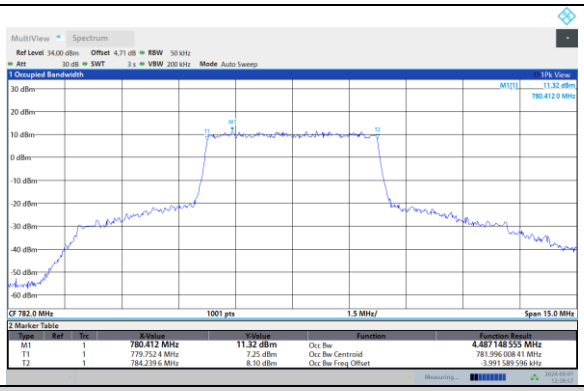
Test Graphs

Occupied Bandwidth

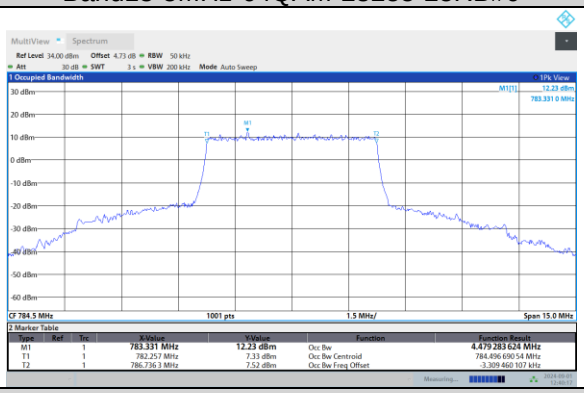
Band13-5MHz-QPSK-23205-25RB#0	Band13-5MHz-QPSK-23230-25RB#0
	
Band13-5MHz-QPSK-23255-25RB#0	Band13-5MHz-16QAM-23205-25RB#0
	
Band13-5MHz-16QAM-23230-25RB#0	Band13-5MHz-16QAM-23255-25RB#0
	
Band13-5MHz-64QAM-23205-25RB#0	Band13-5MHz-64QAM-23230-25RB#0



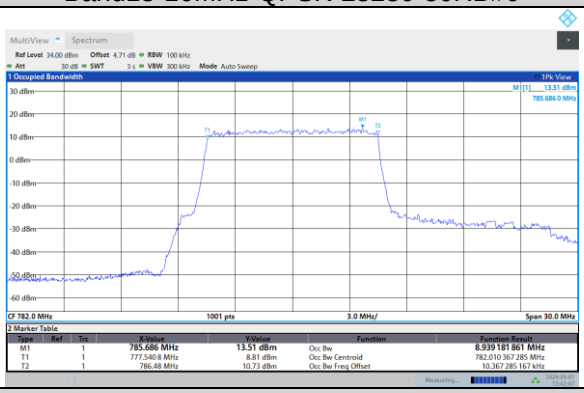
Band13-5MHz-64QAM-23255-25RB#0



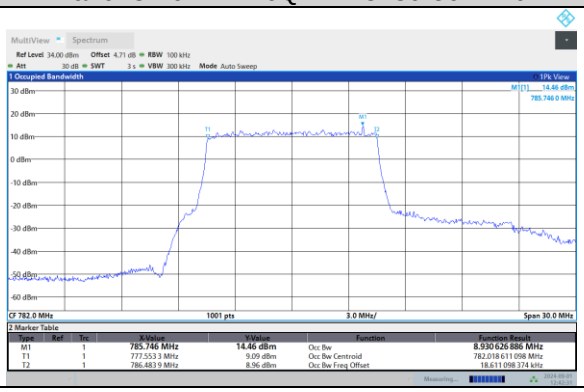
Band13-10MHz-QPSK-23230-50RB#0

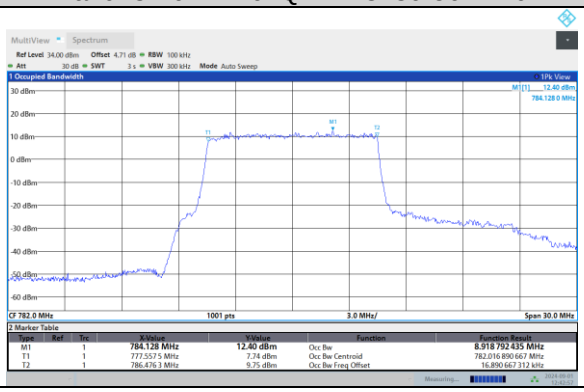


Band13-10MHz-16QAM-23230-50RB#0



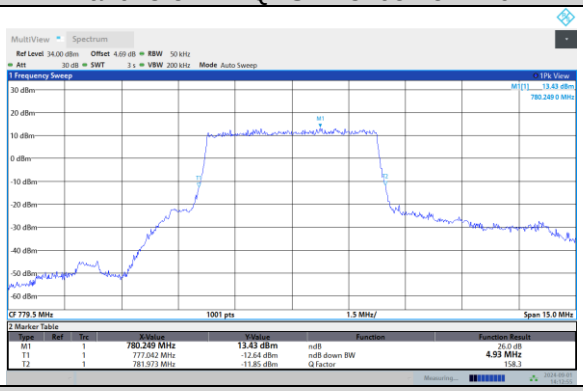
Band13-10MHz-64QAM-23230-50RB#0



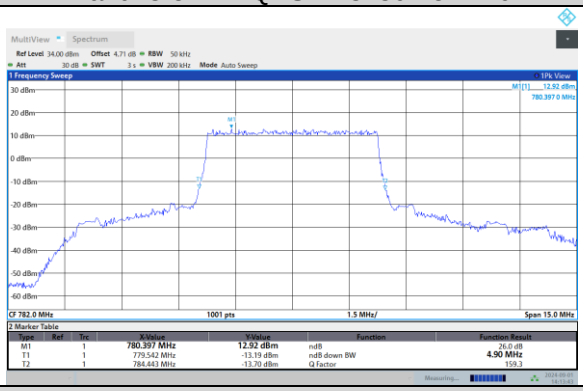


26dB Bandwidth

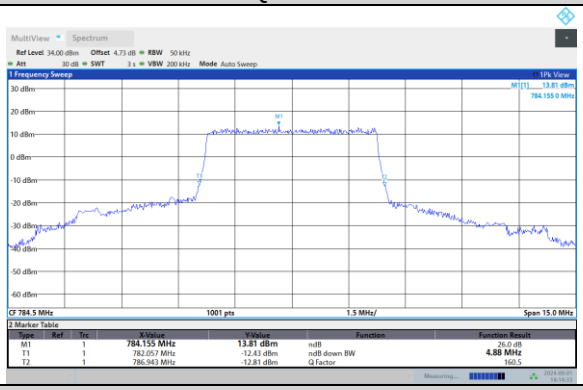
Band13-5MHz-QPSK-23205-25RB#0



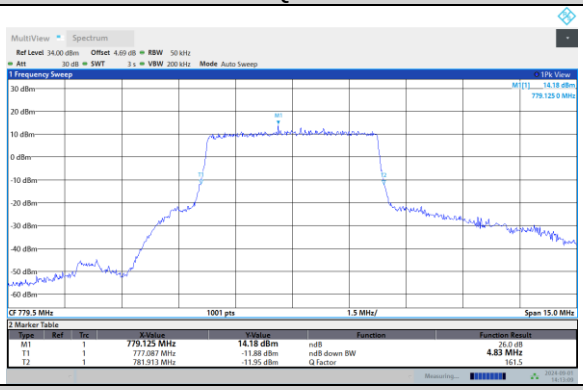
Band13-5MHz-QPSK-23230-25RB#0



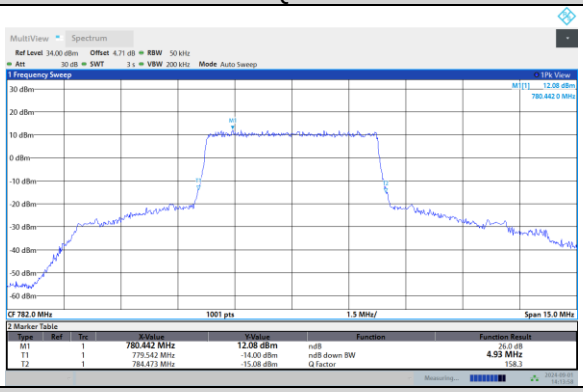
Band13-5MHz-QPSK-23255-25RB#0



Band13-5MHz-16QAM-23205-25RB#0



Band13-5MHz-16QAM-23230-25RB#0



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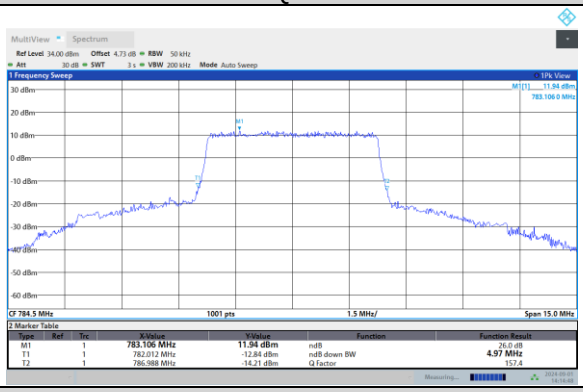

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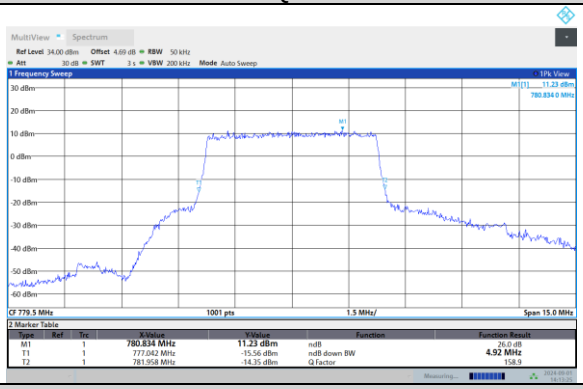
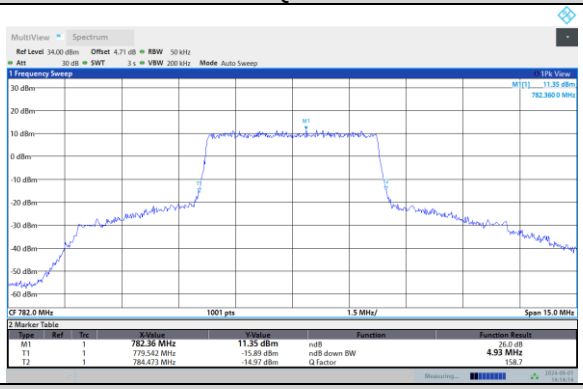
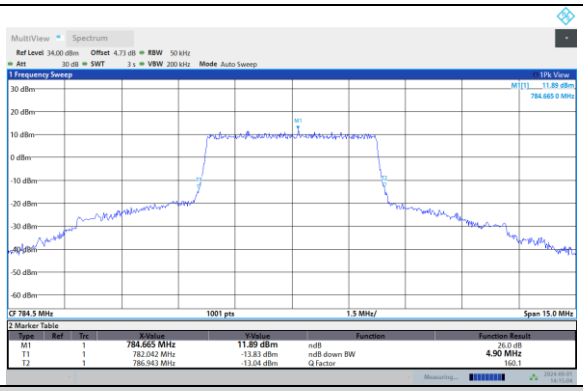


Band13-5MHz-64QAM-23230-25RB#0

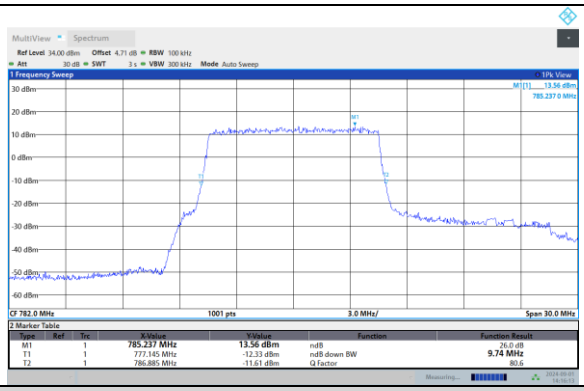


Band13-5MHz-64QAM-23255-25RB#0

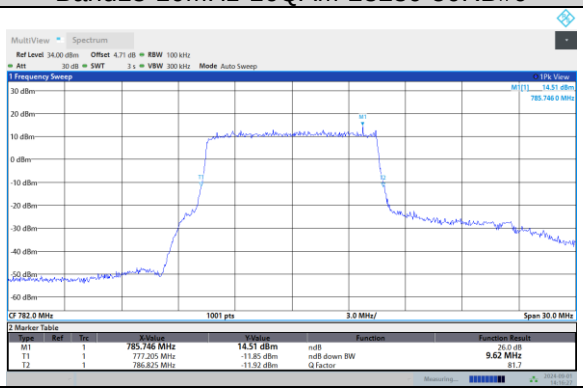
Band13-10MHz-QPSK-23230-50RB#0

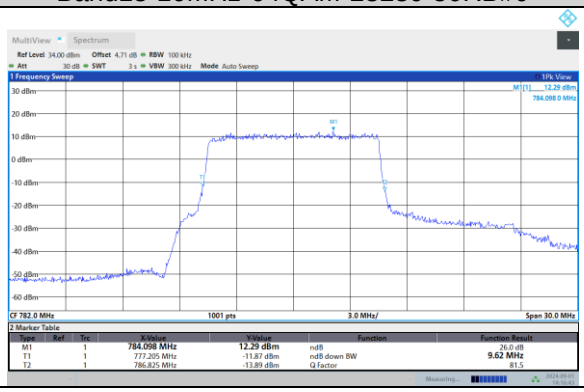


Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-64QAM-23230-50RB#0





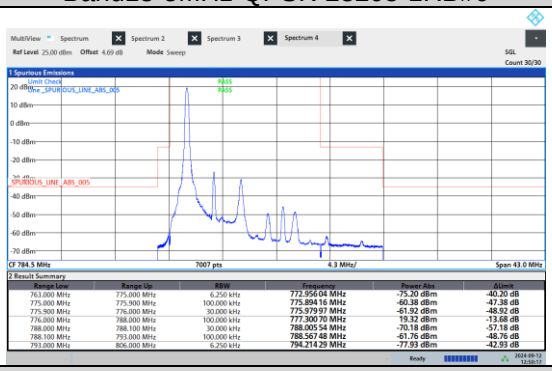
BAND EDGE

Test Result

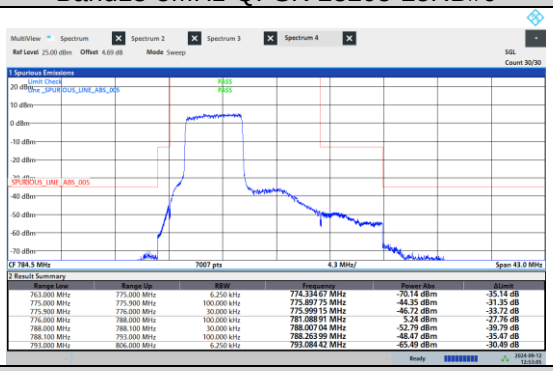
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	See Graph	PASS
Band13	5MHz	QPSK	23205	25RB#0	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#24	See Graph	PASS
Band13	5MHz	QPSK	23255	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	16QAM	23255	25RB#0	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	64QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	64QAM	23255	25RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#49	See Graph	PASS
Band13	10MHz	QPSK	23230	50RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#49	See Graph	PASS
Band13	10MHz	16QAM	23230	50RB#0	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#49	See Graph	PASS
Band13	10MHz	64QAM	23230	50RB#0	See Graph	PASS

Test Graphs

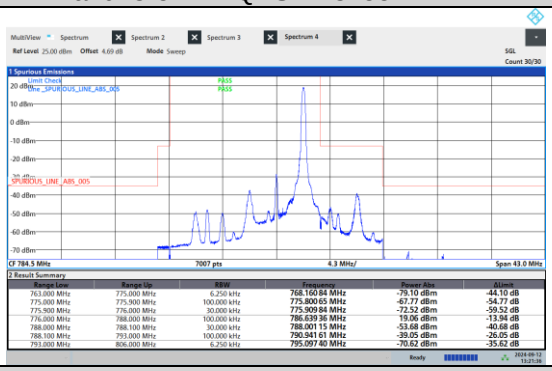
Band13-5MHz-QPSK-23205-1RB#0



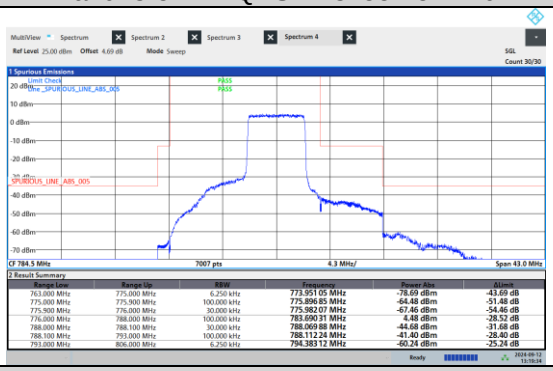
Band13-5MHz-QPSK-23205-25RB#0



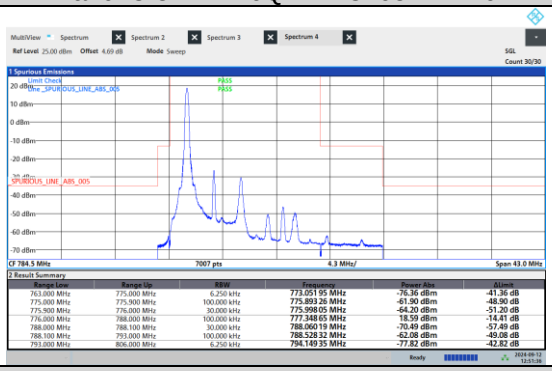
Band13-5MHz-QPSK-23255-1RB#24



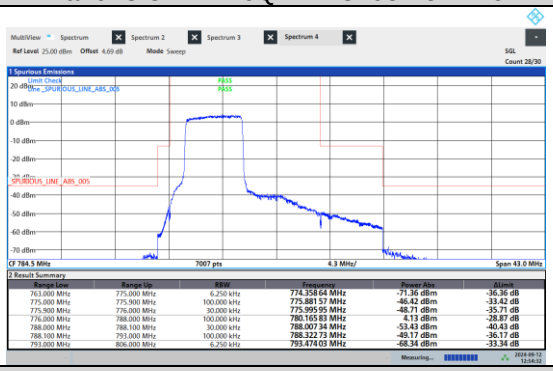
Band13-5MHz-QPSK-23255-25RB#0



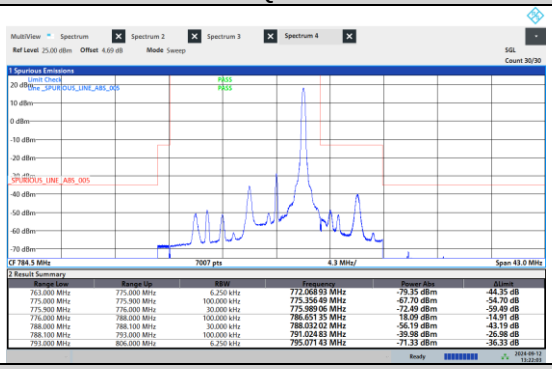
Band13-5MHz-16QAM-23205-1RB#0



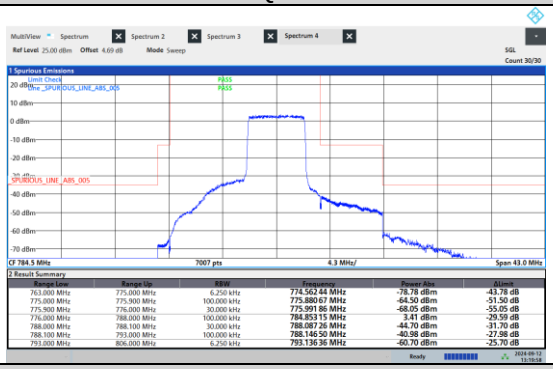
Band13-5MHz-16QAM-23205-25RB#0



Band13-5MHz-16QAM-23255-1RB#24

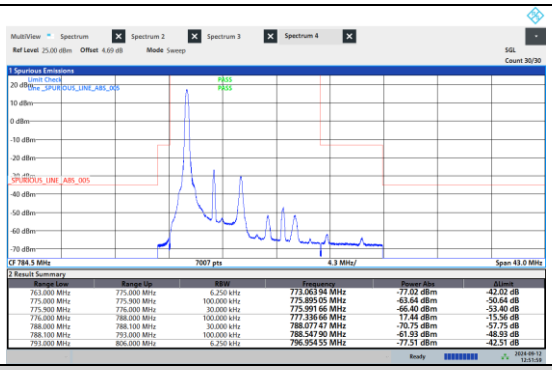


Band13-5MHz-16QAM-23255-25RB#0

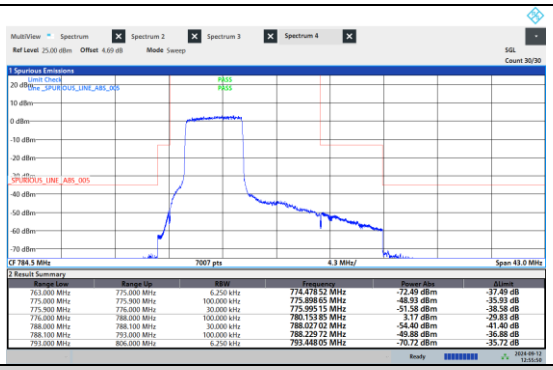


Band13-5MHz-64QAM-23205-1RB#0

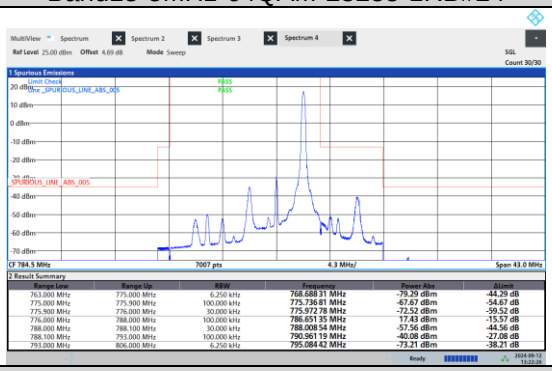
Band13-5MHz-64QAM-23205-25RB#0



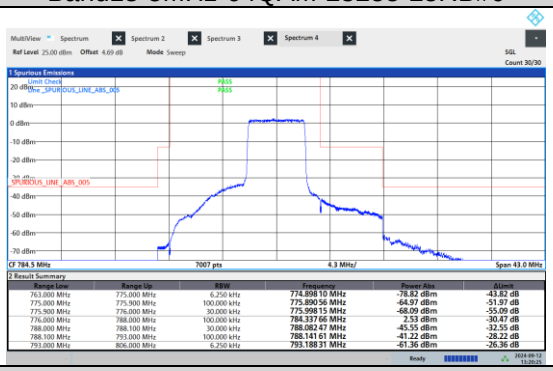
Band13-5MHz-64QAM-23255-1RB#24



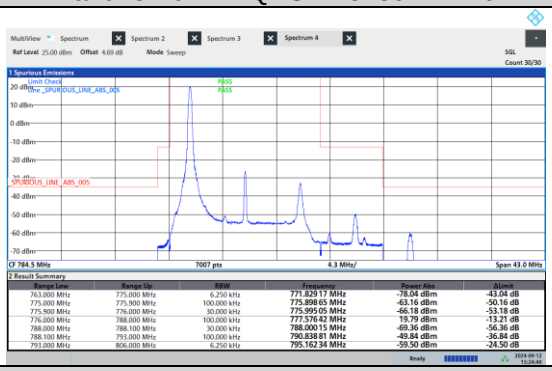
Band13-5MHz-64QAM-23255-25RB#0



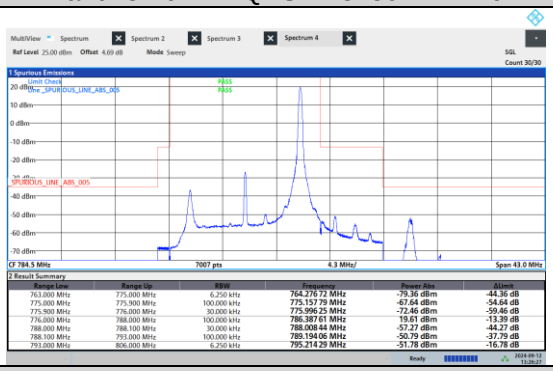
Band13-10MHz-QPSK-23230-1RB#0



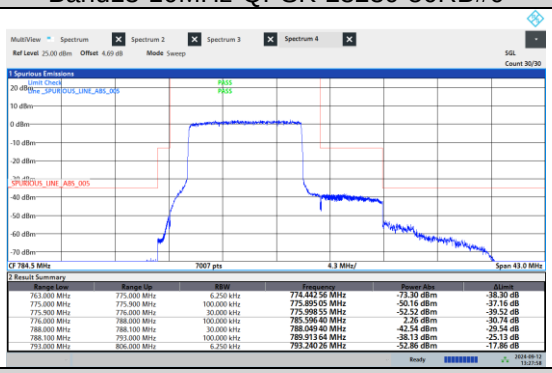
Band13-10MHz-QPSK-23230-1RB#49



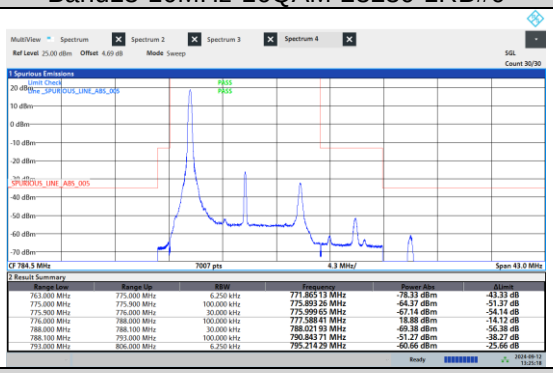
Band13-10MHz-QPSK-23230-50RB#0



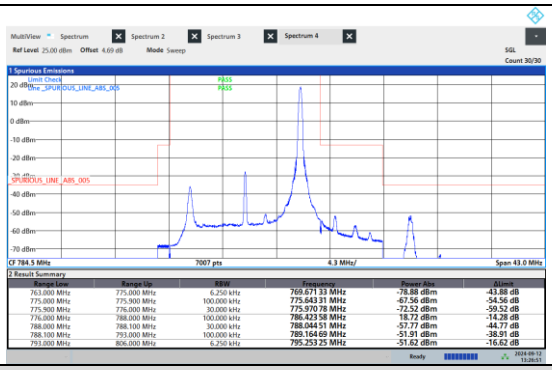
Band13-10MHz-16QAM-23230-1RB#0



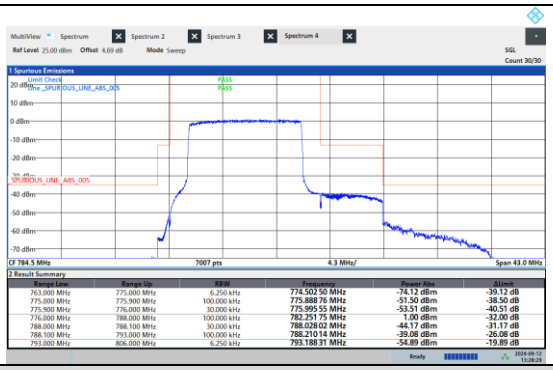
Band13-10MHz-16QAM-23230-50RB#0



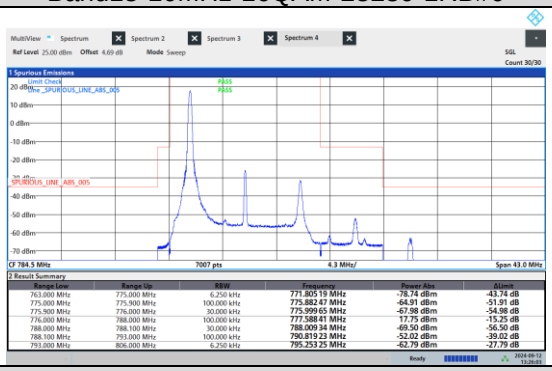
Band13-10MHz-16QAM-23230-50RB#0



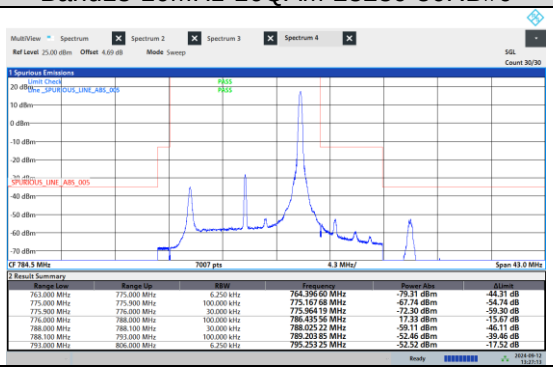
Band13-10MHz-16QAM-23230-1RB#0



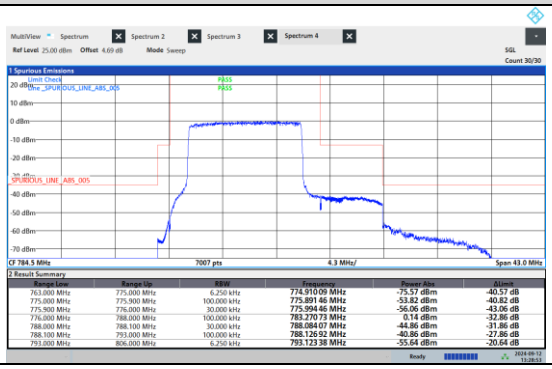
Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0

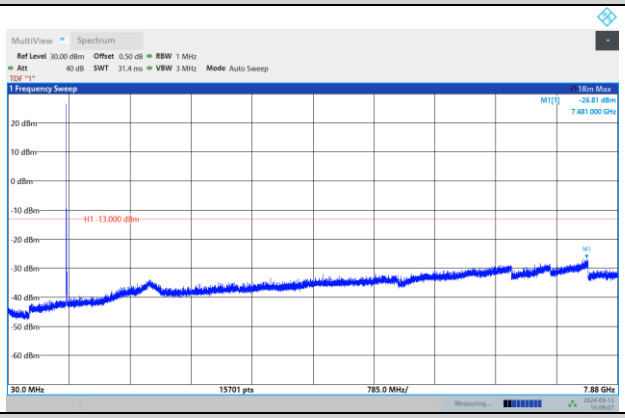
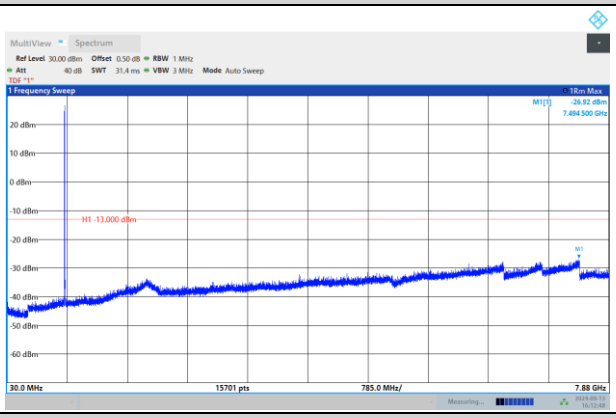
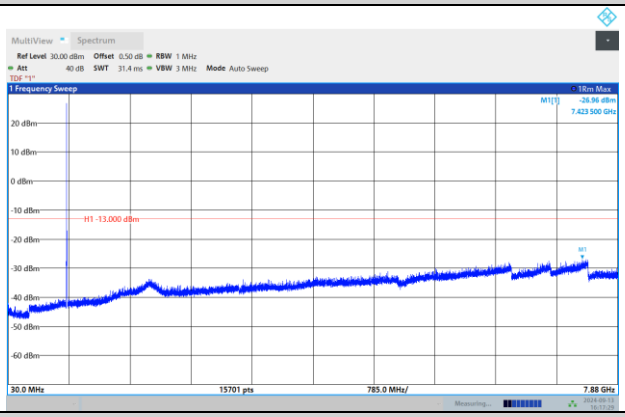
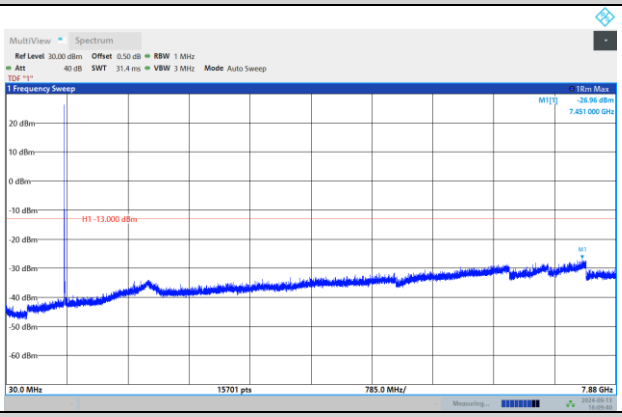
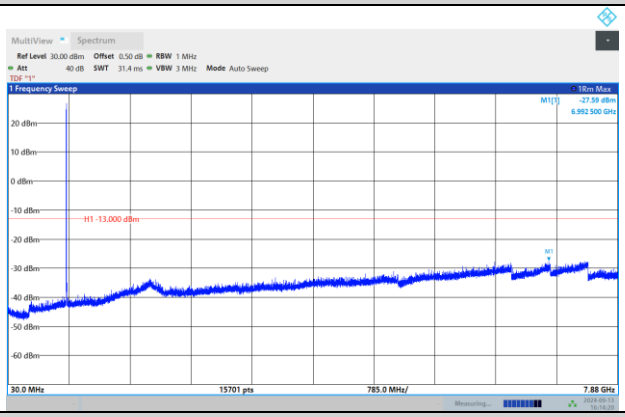
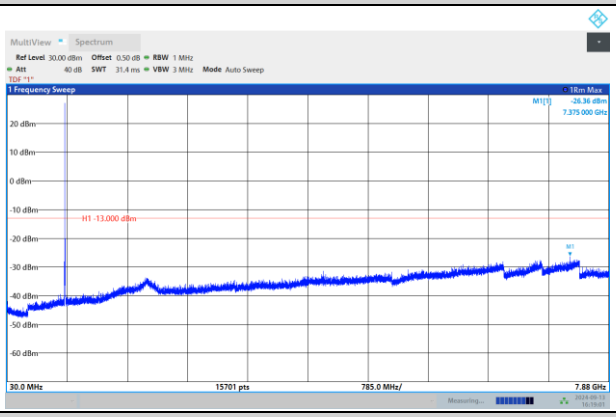


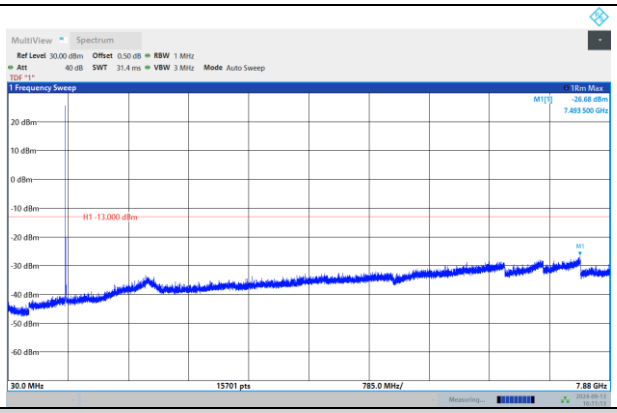
CONDUCTED SPURIOUS EMISSION

Test Result

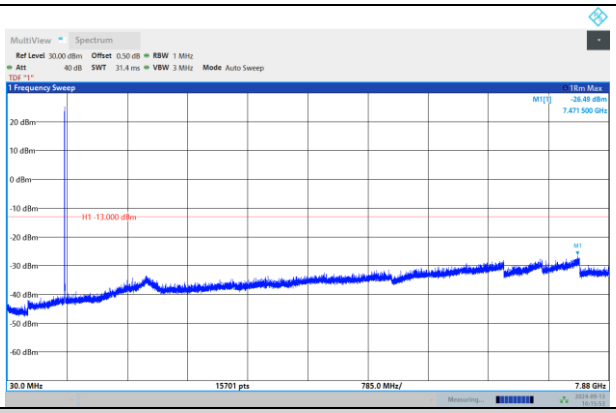
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range:30~7870MHz	See Graph	PASS

Test Graphs

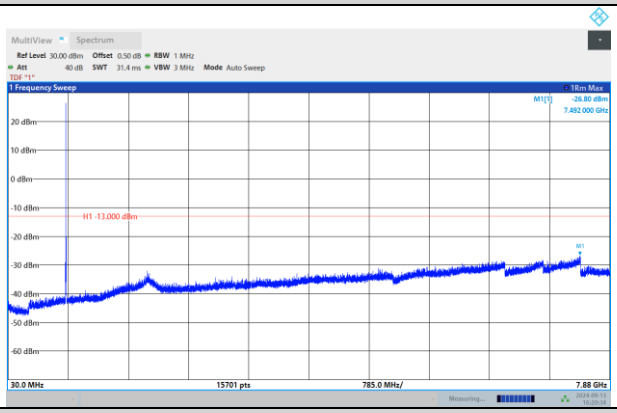
Band13-5MHz-QPSK-23205-1RB#0-Range:30~7870MHz	Band13-5MHz-QPSK-23230-1RB#0-Range:30~7870MHz
	
Band13-5MHz-QPSK-23255-1RB#0-Range:30~7870MHz	Band13-5MHz-16QAM-23205-1RB#0-Range:30~7870MHz
	
Band13-5MHz-16QAM-23230-1RB#0-Range:30~7870MHz	Band13-5MHz-16QAM-23255-1RB#0-Range:30~7870MHz
	
Band13-5MHz-64QAM-23205-1RB#0-Range:30~7870MHz	Band13-5MHz-64QAM-23230-1RB#0-Range:30~7870MHz



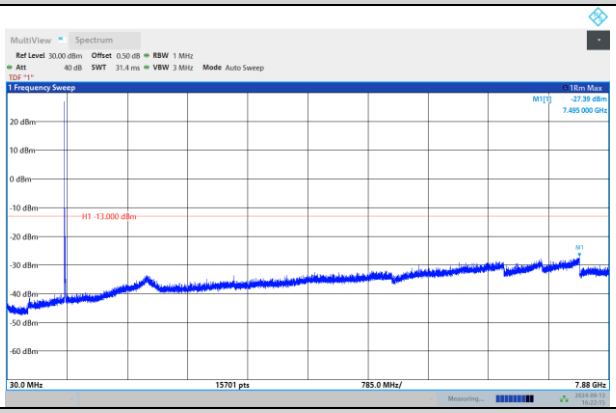
Band13-5MHz-64QAM-23255-1RB#0-Range:30~7870 MHz



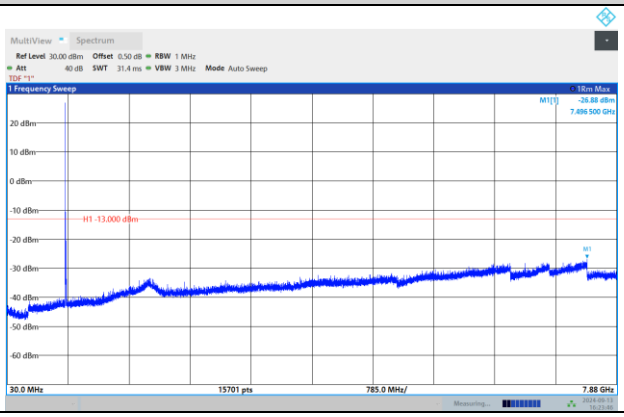
Band13-10MHz-QPSK-23230-1RB#0-Range:30~7870MHz

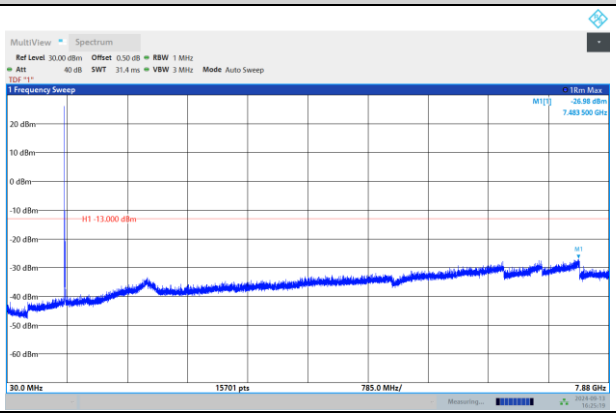


Band13-10MHz-16QAM-23230-1RB#0-Range:30~7870 MHz



Band13-10MHz-64QAM-23230-1RB#0-Range:30~7870 MHz





FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	LV	NT	-17.89	-0.0229	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	NT	24.83	0.0318	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	HV	NT	-8.16	-0.0104	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	6.12	0.0078	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	9.50	0.0121	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-11.01	-0.0141	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-4.69	-0.0060	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-18.60	-0.0238	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	0.91	0.0012	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	21.54	0.0275	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-19.71	-0.0252	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-18.03	-0.0231	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
fL-|MAX(△f)|	777.257975	≥777	PASS
fH+|MAX(△f)|	786.74202	≤787	

Note: 1. |MAX(△f)| = Max Deviation
2. fL = Occ low channel fl(-13dBm/MHz)
3. fH = Occ High channel fH(-13dBm/MHz)
4. |MAX(△f)| = 24.83Hz.

--END--