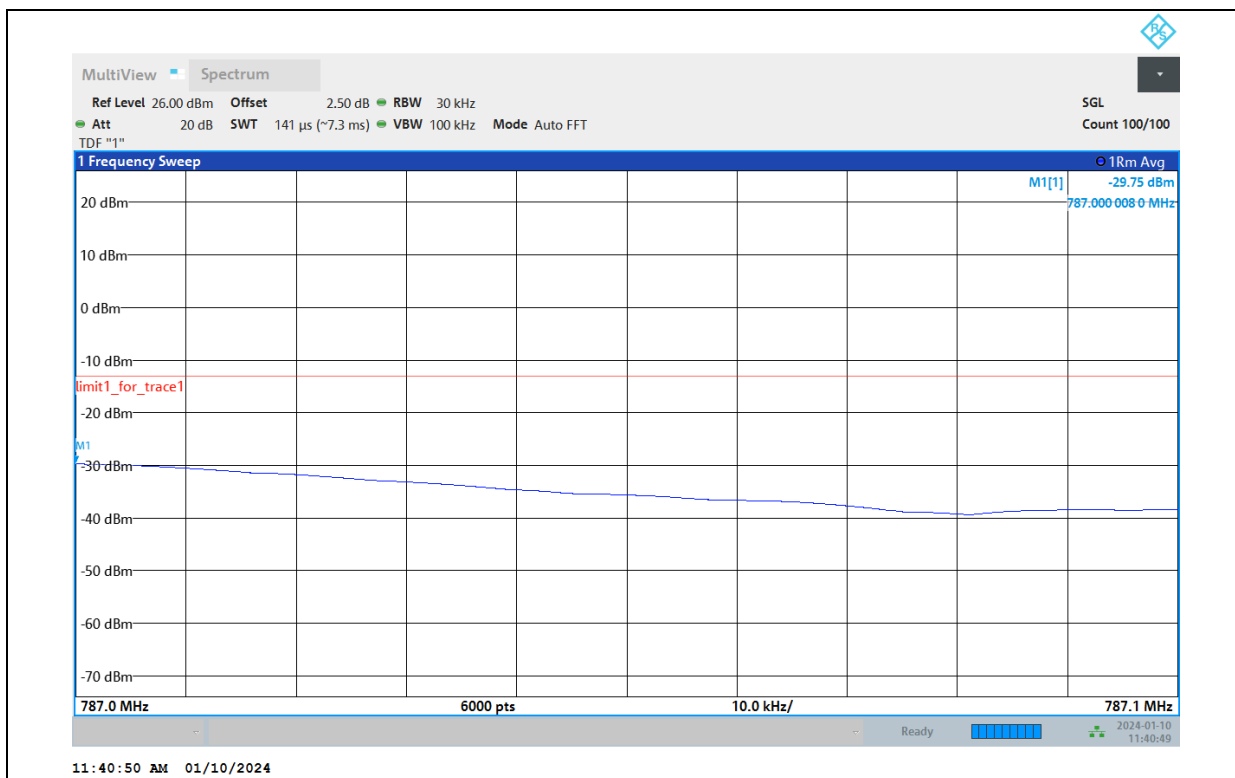
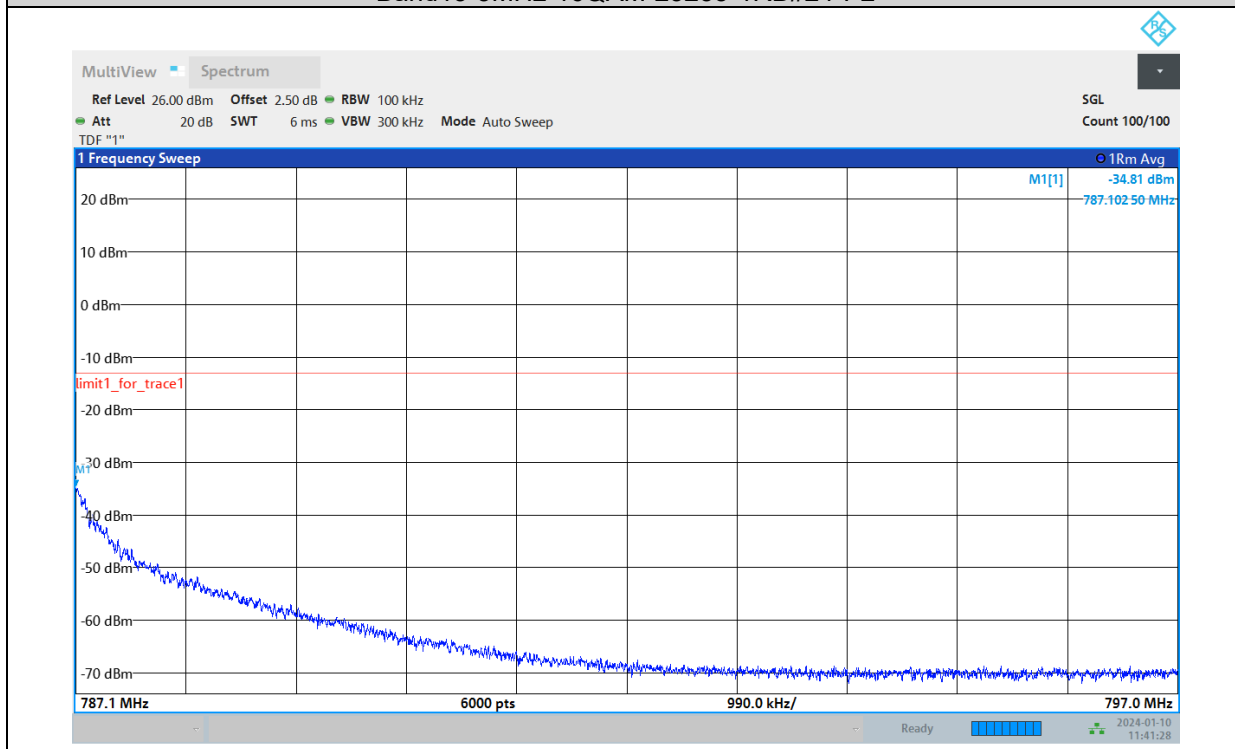
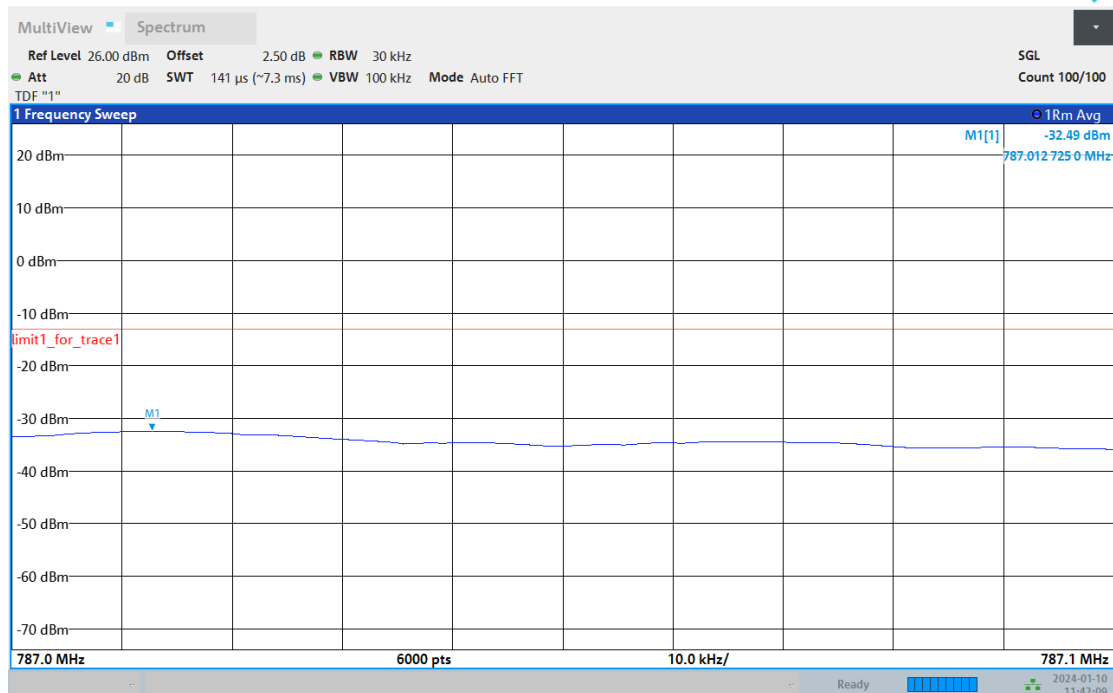




Band13-5MHz-16QAM-23255-1RB#24-P2

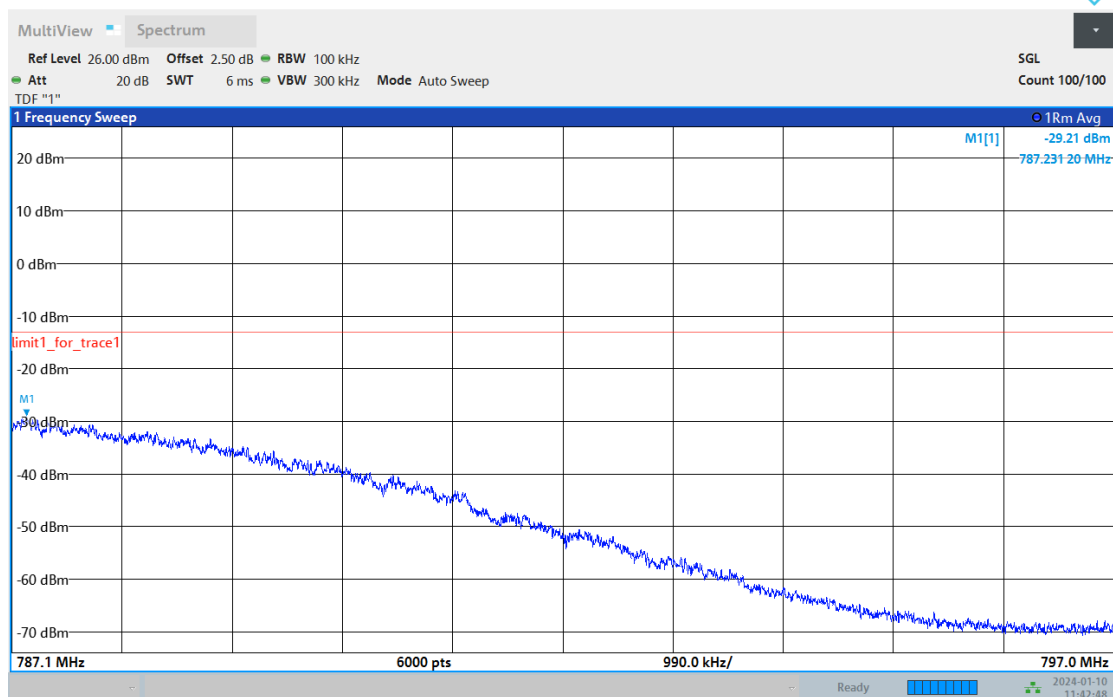


Band13-5MHz-16QAM-23255-25RB#0-P1



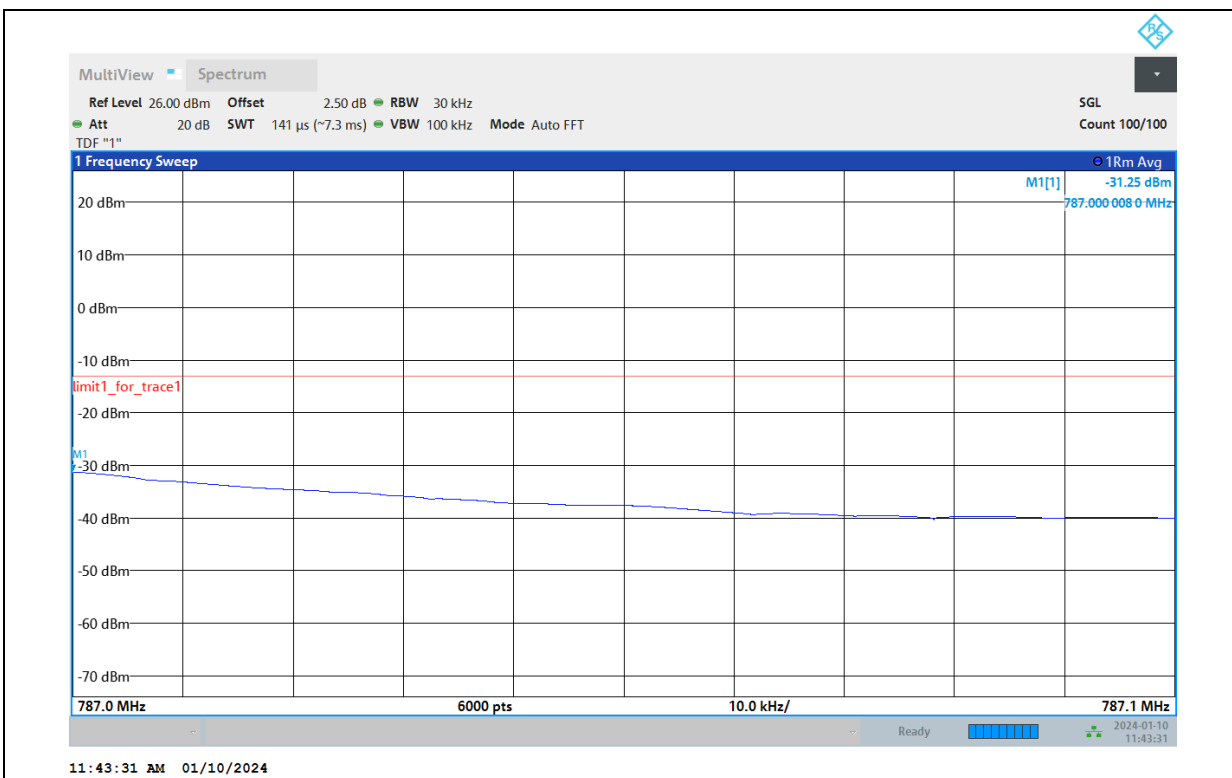
11:42:10 AM 01/10/2024

Band13-5MHz-16QAM-23255-25RB#0-P2

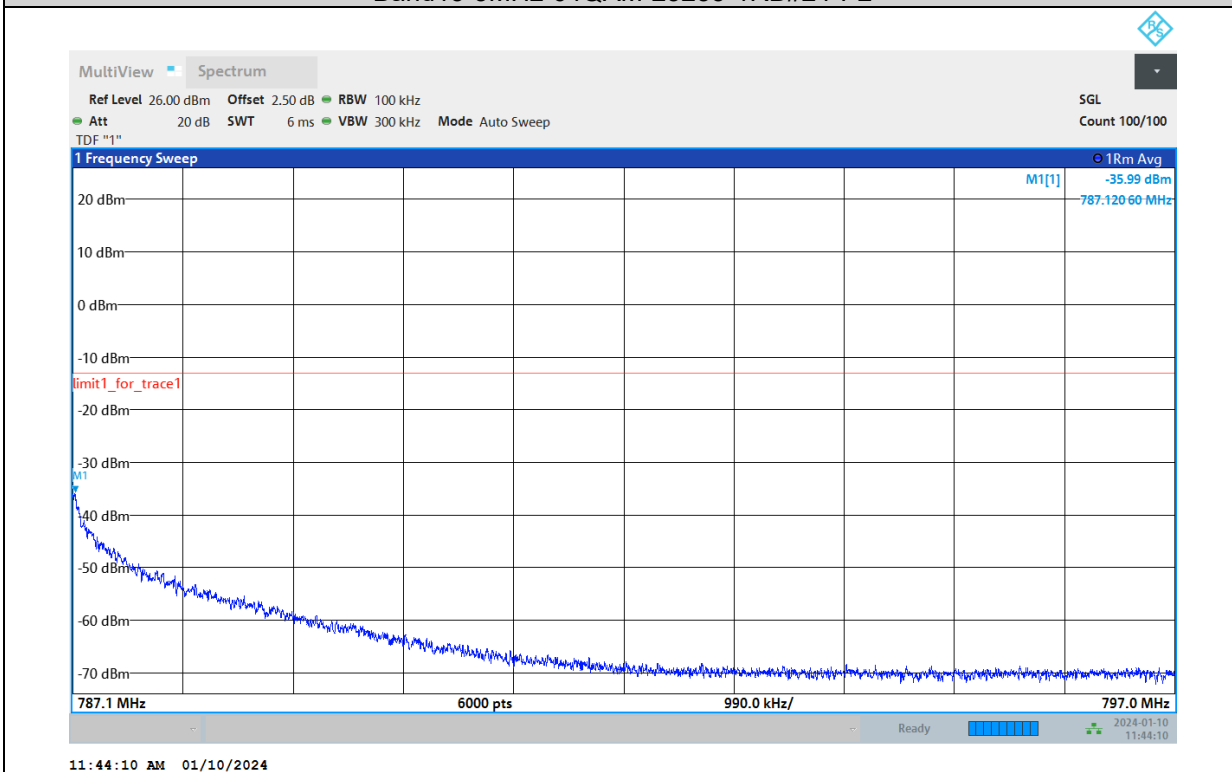


11:42:49 AM 01/10/2024

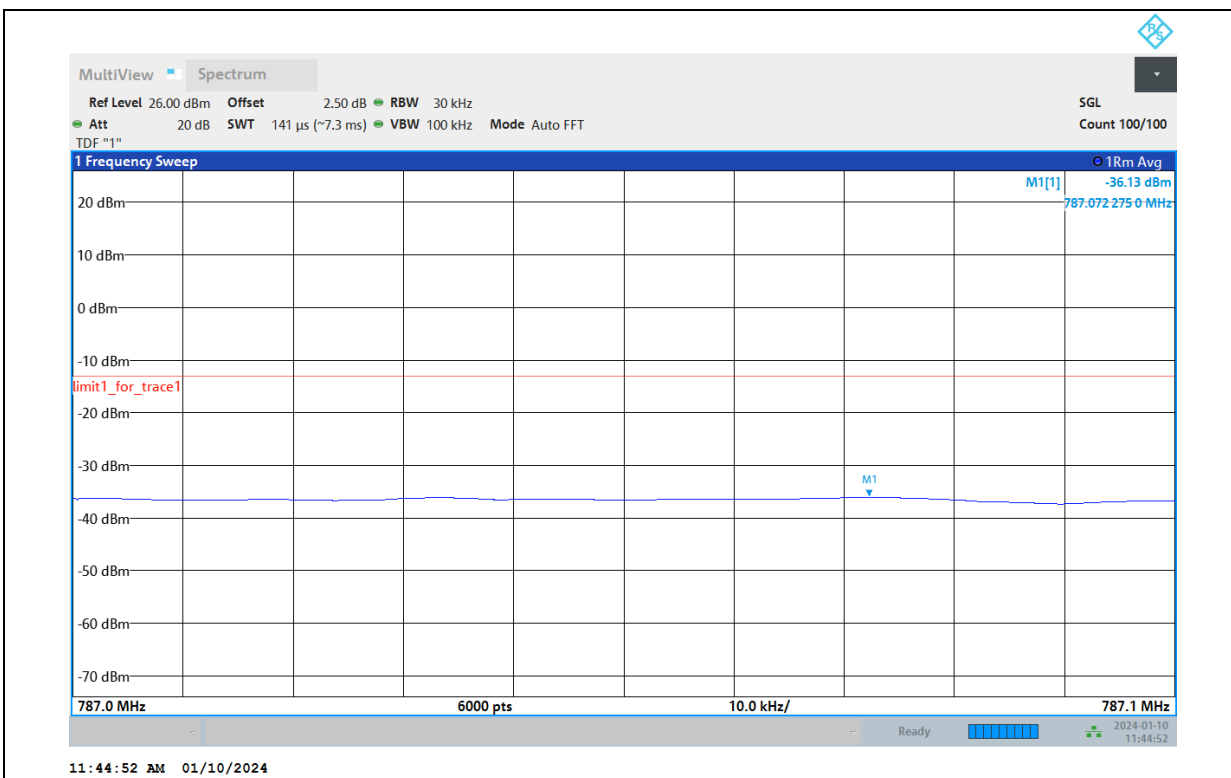
Band13-5MHz-64QAM-23255-1RB#24-P1



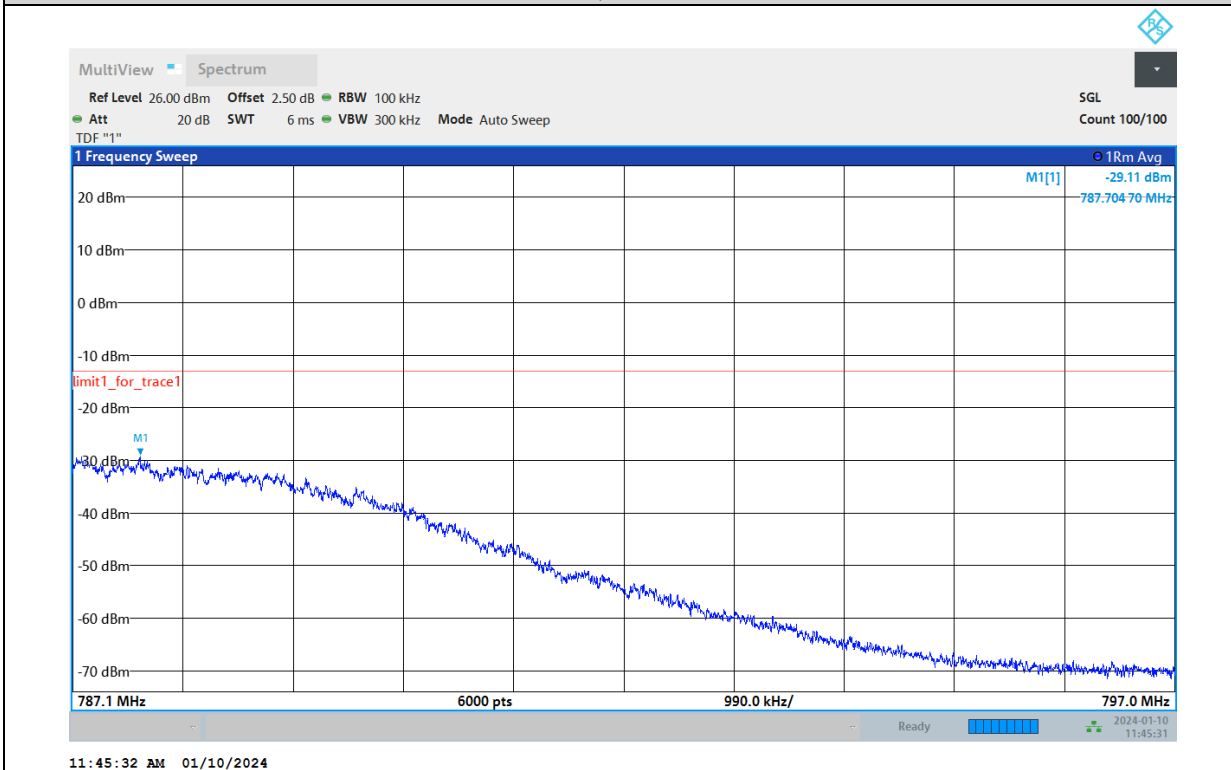
Band13-5MHz-64QAM-23255-1RB#24-P2



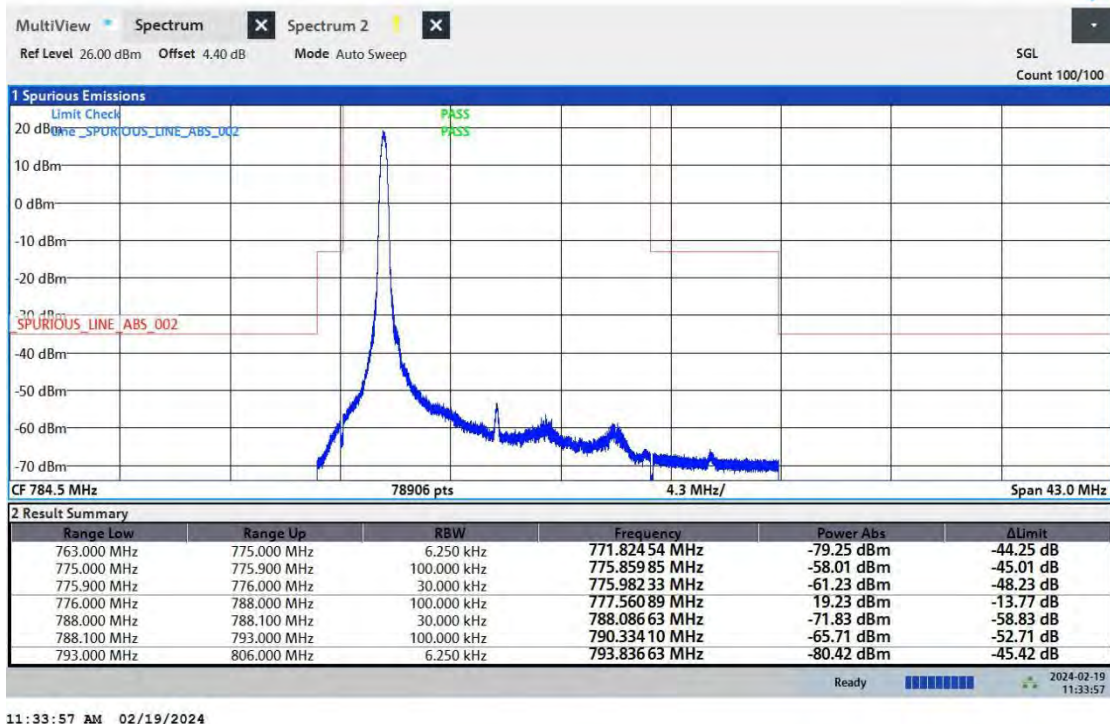
Band13-5MHz-64QAM-23255-25RB#0-P1



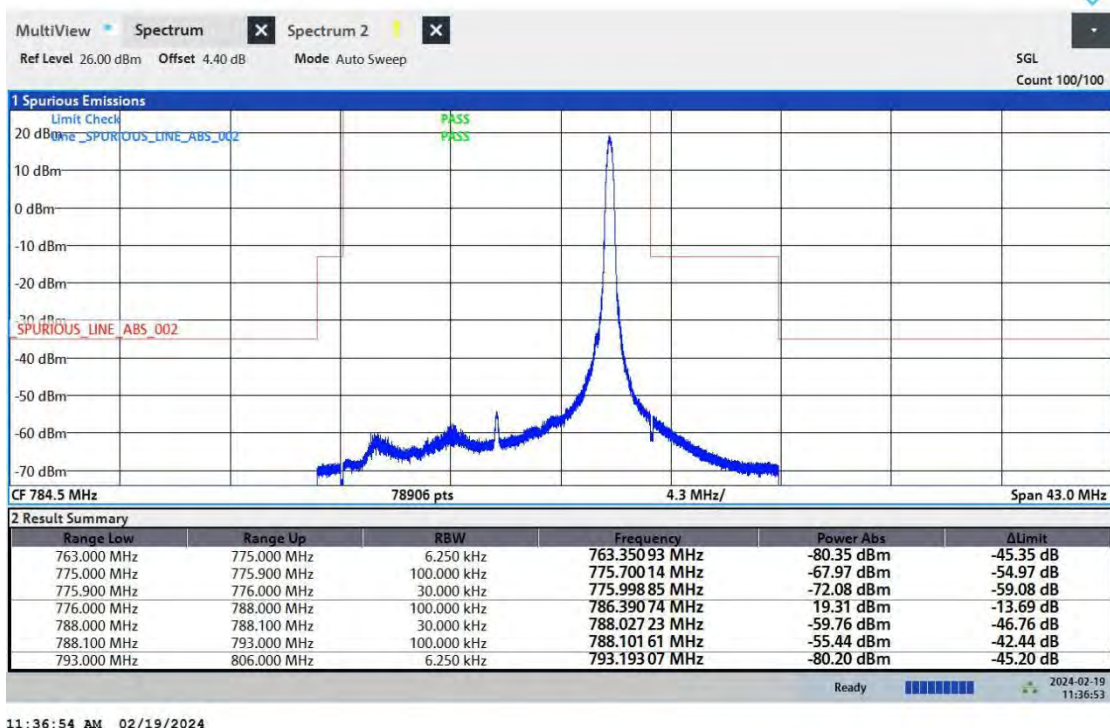
Band13-5MHz-64QAM-23255-25RB#0-P2



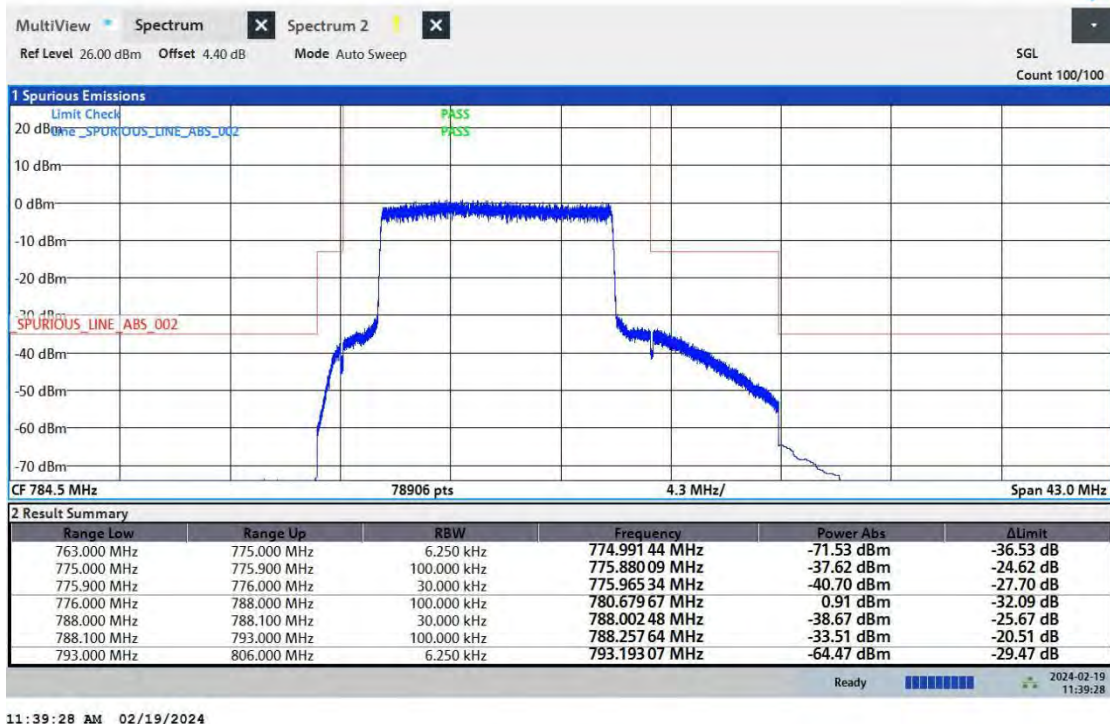
Band13-10MHz-QPSK-23230-1RB#0



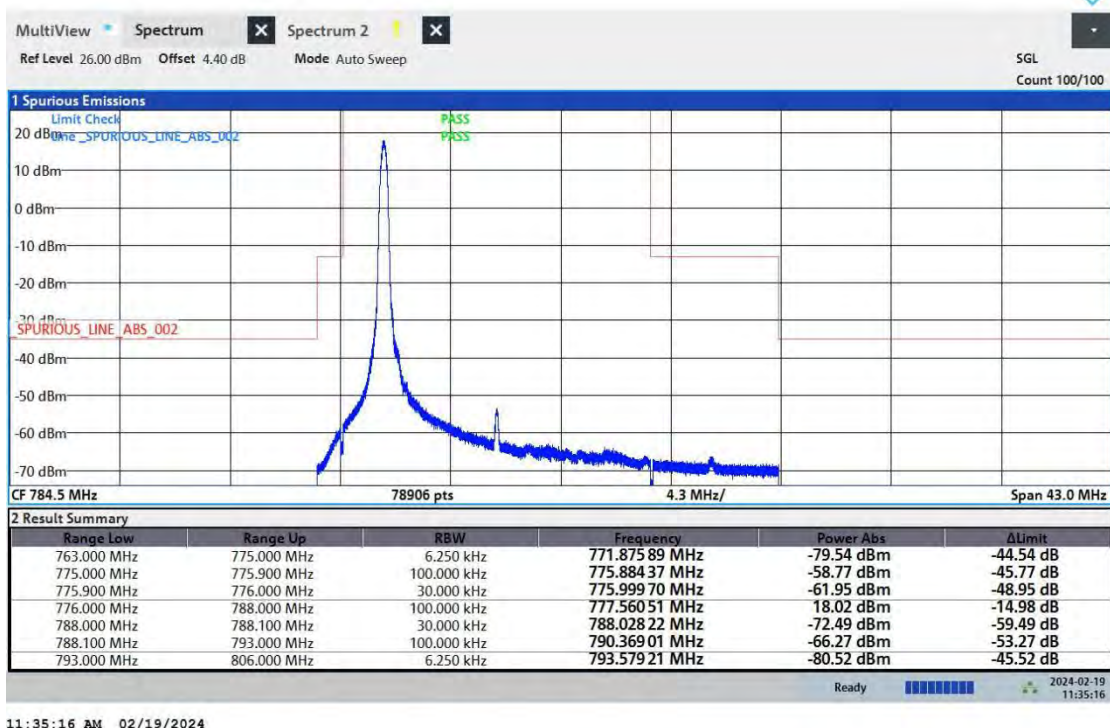
Band13-10MHz-QPSK-23230-1RB#49



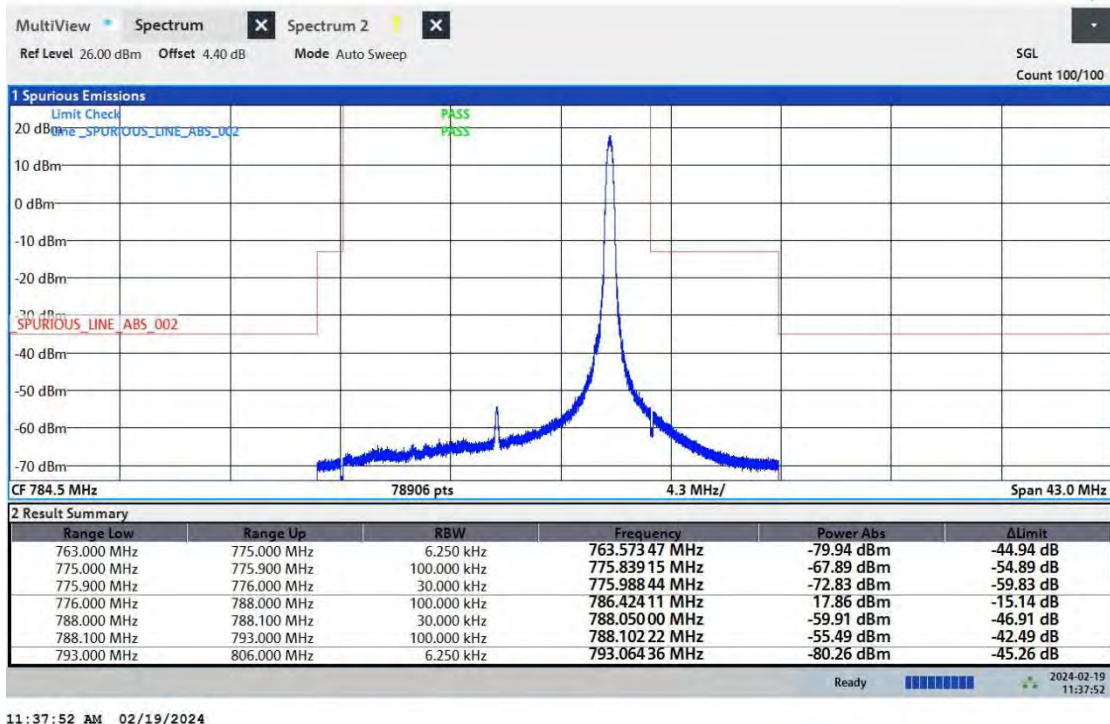
Band13-10MHz-QPSK-23230-50RB#0



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



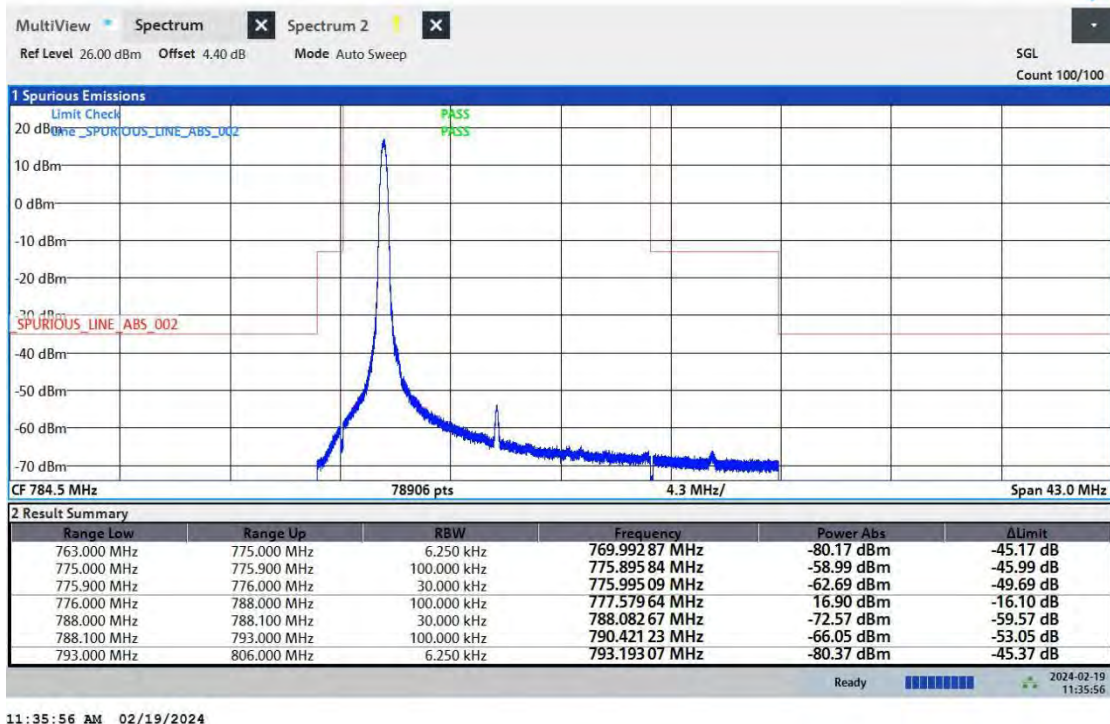
Band13-10MHz-16QAM-23230-1RB#49



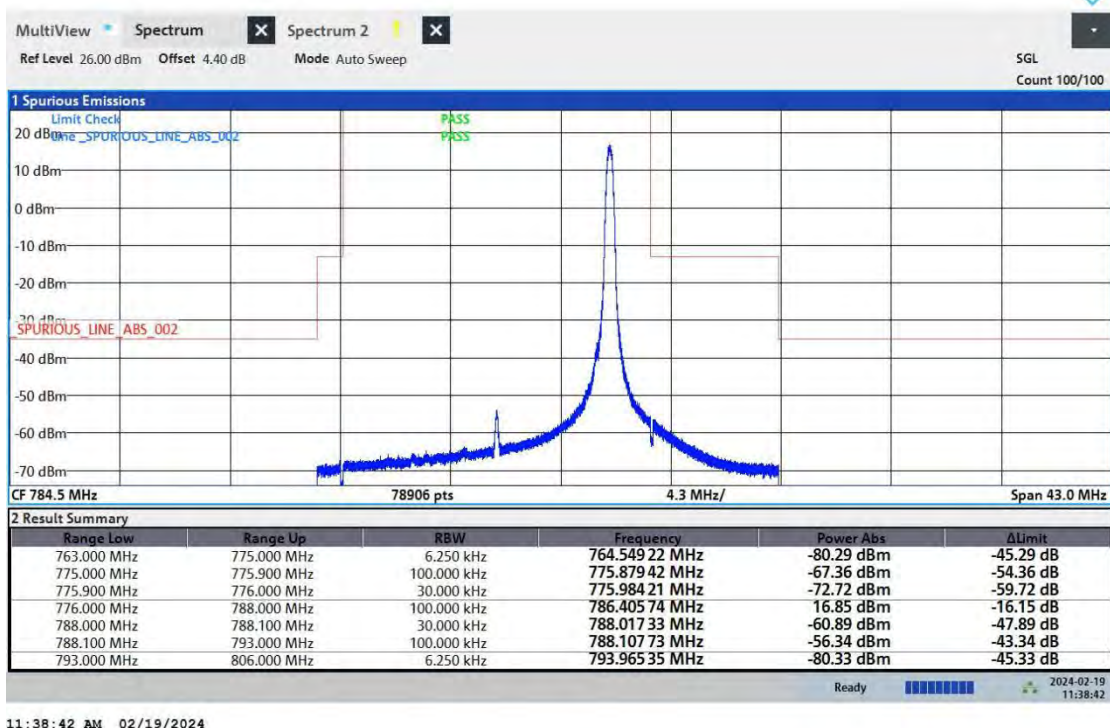
Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-64QAM-23230-1RB#0



Band13-10MHz-64QAM-23230-1RB#49

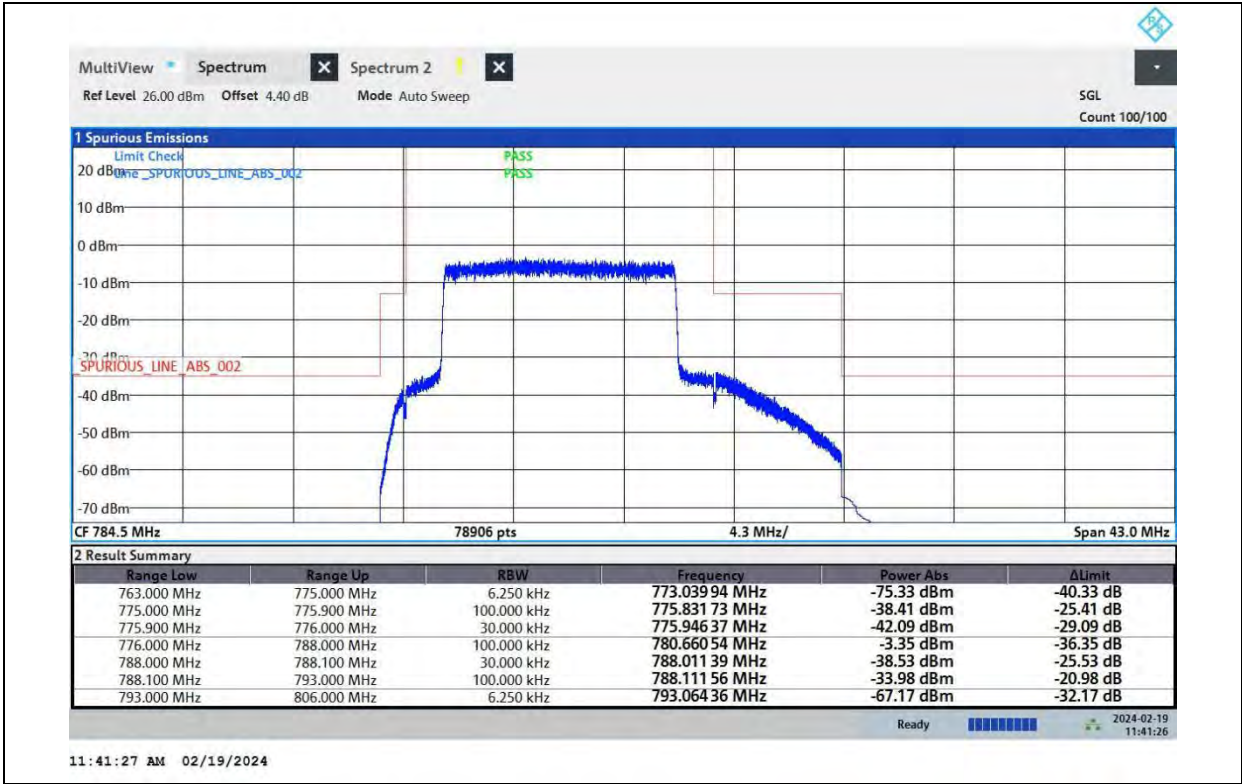


Band13-10MHz-64QAM-23230-50RB#0



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF03



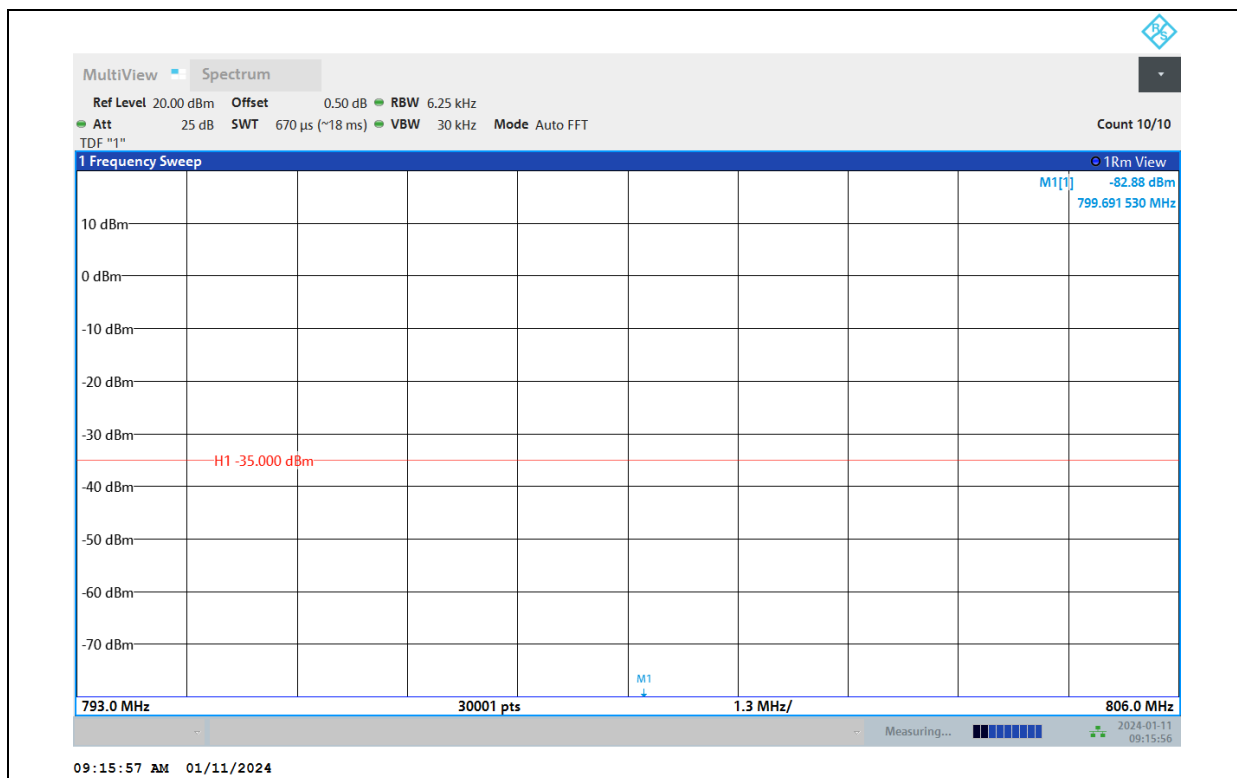
CONDUCTED SPURIOUS EMISSION

Test Result

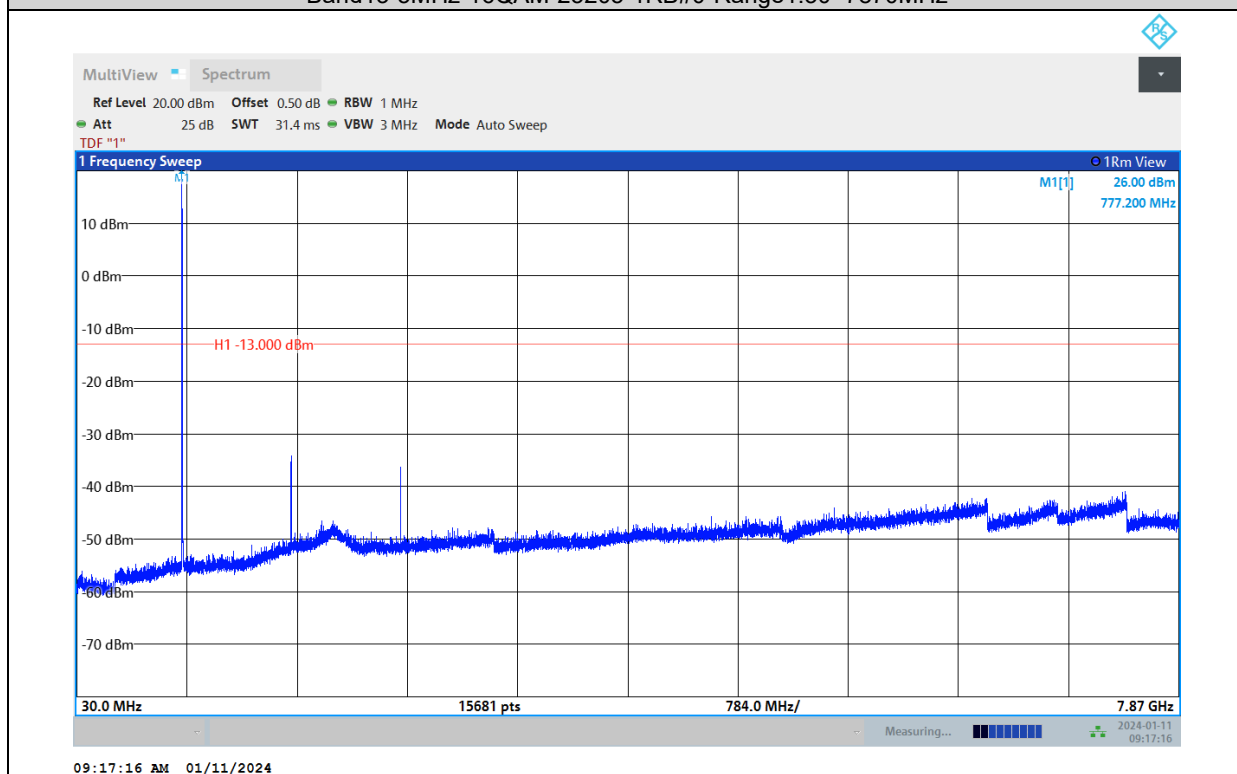
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	64QAM	23205	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	64QAM	23230	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	5MHz	64QAM	23255	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:793~806MHz	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range1:30~7870MHz	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range2:763~775MHz	See Graph	PASS
Band13	10MHz	64QAM	23230	1RB#0	Range3:793~806MHz	See Graph	PASS

Test Graphs

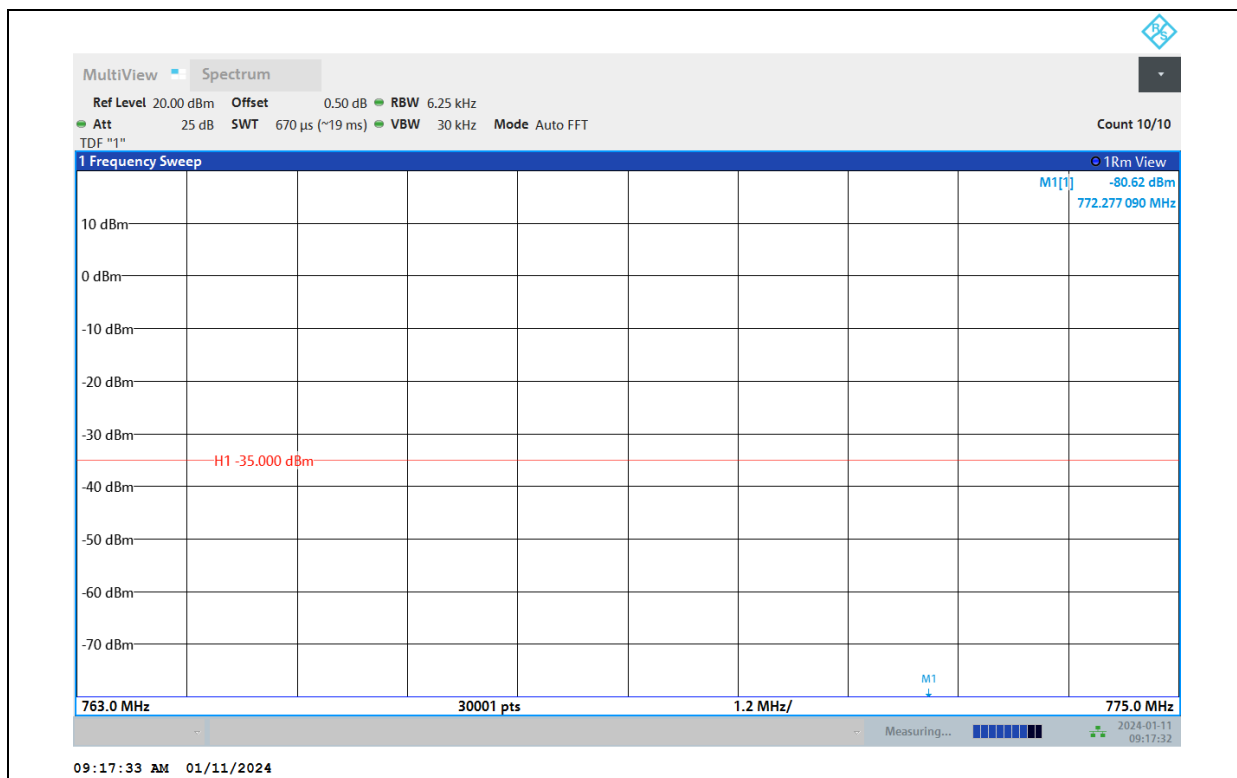




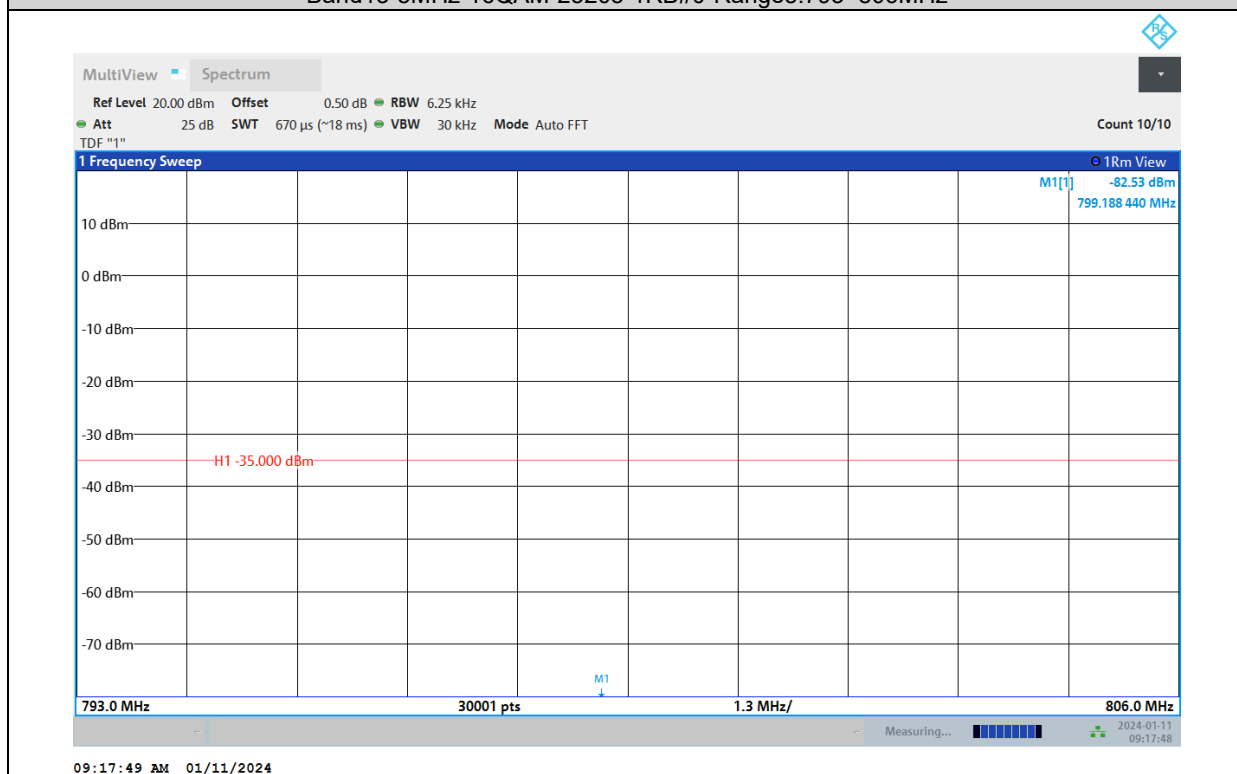
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~7870MHz



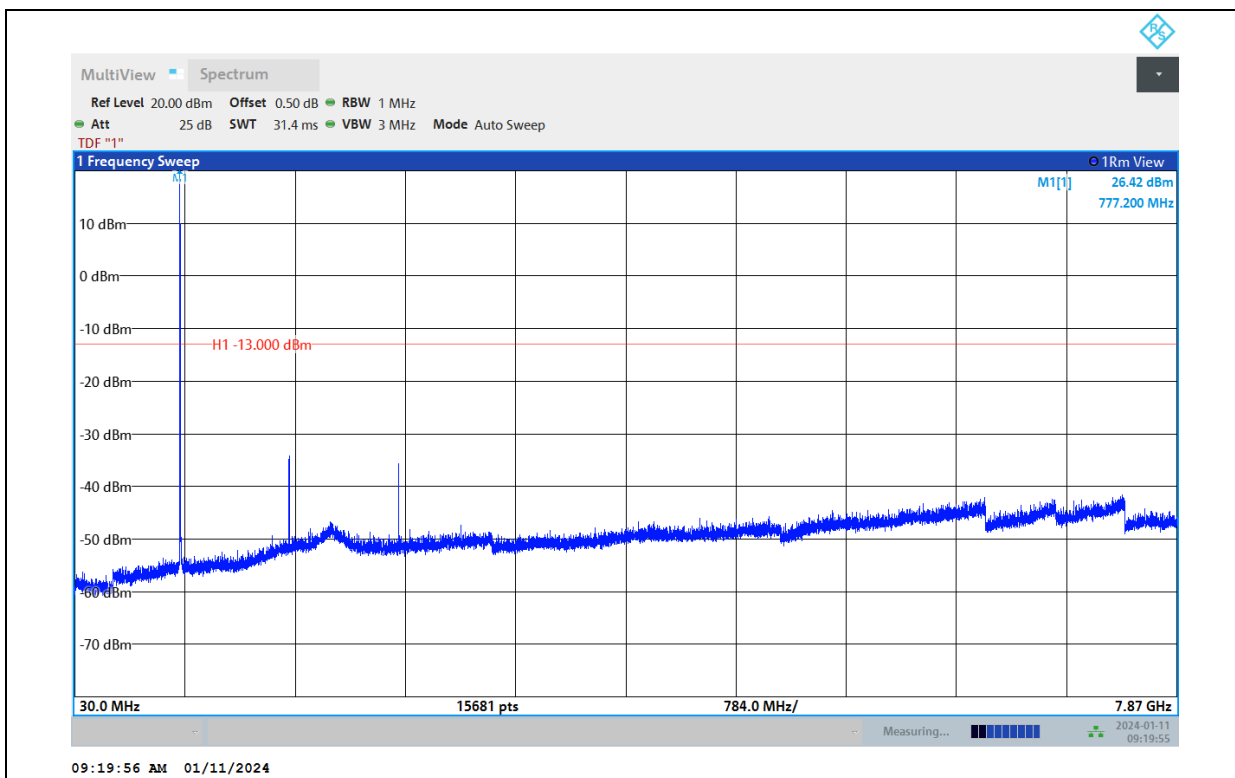
Band13-5MHz-16QAM-23205-1RB#0-Range2:763~775MHz



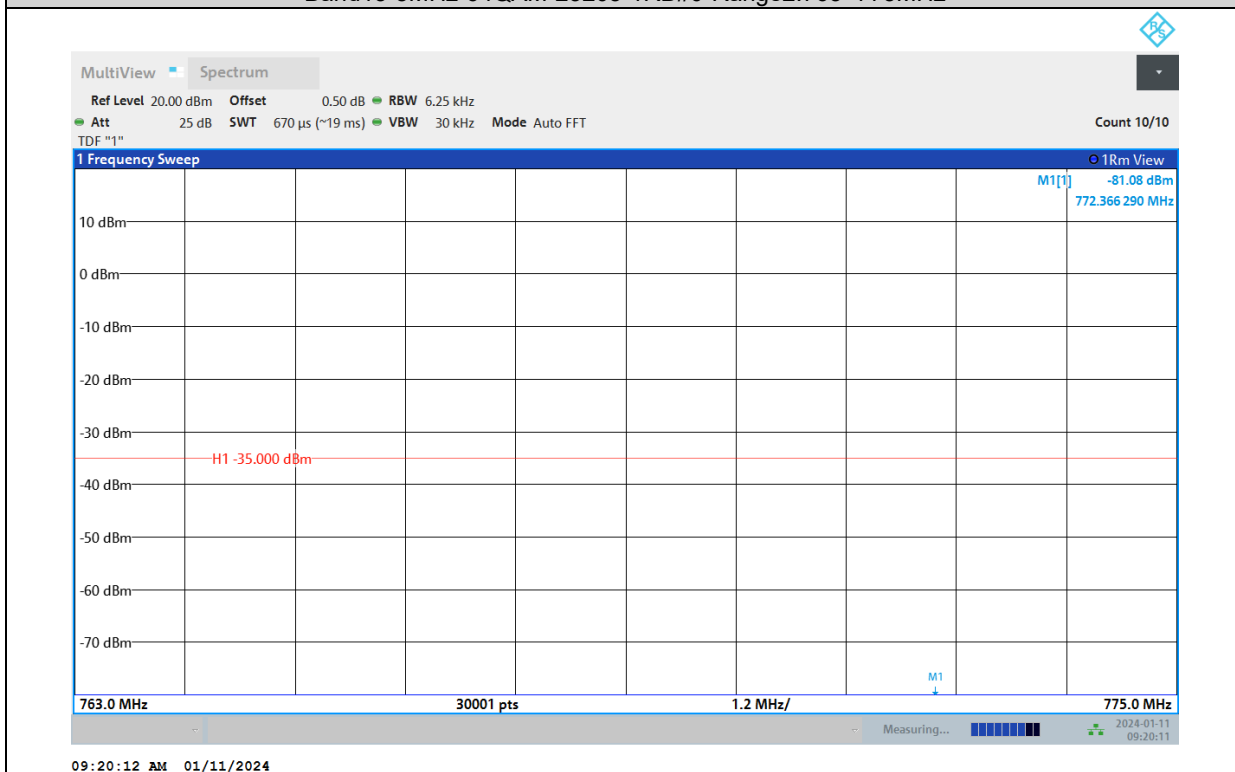
Band13-5MHz-16QAM-23205-1RB#0-Range3:793~806MHz



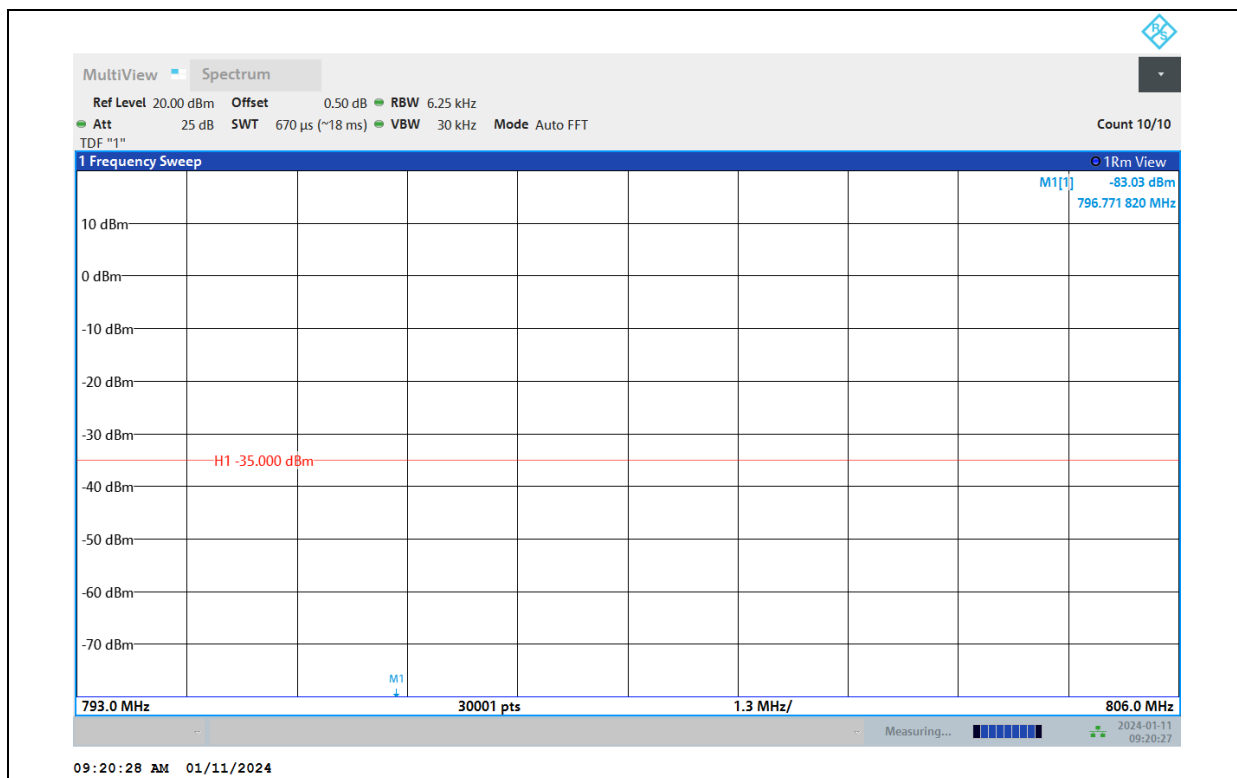
Band13-5MHz-64QAM-23205-1RB#0-Range1:30~7870MHz



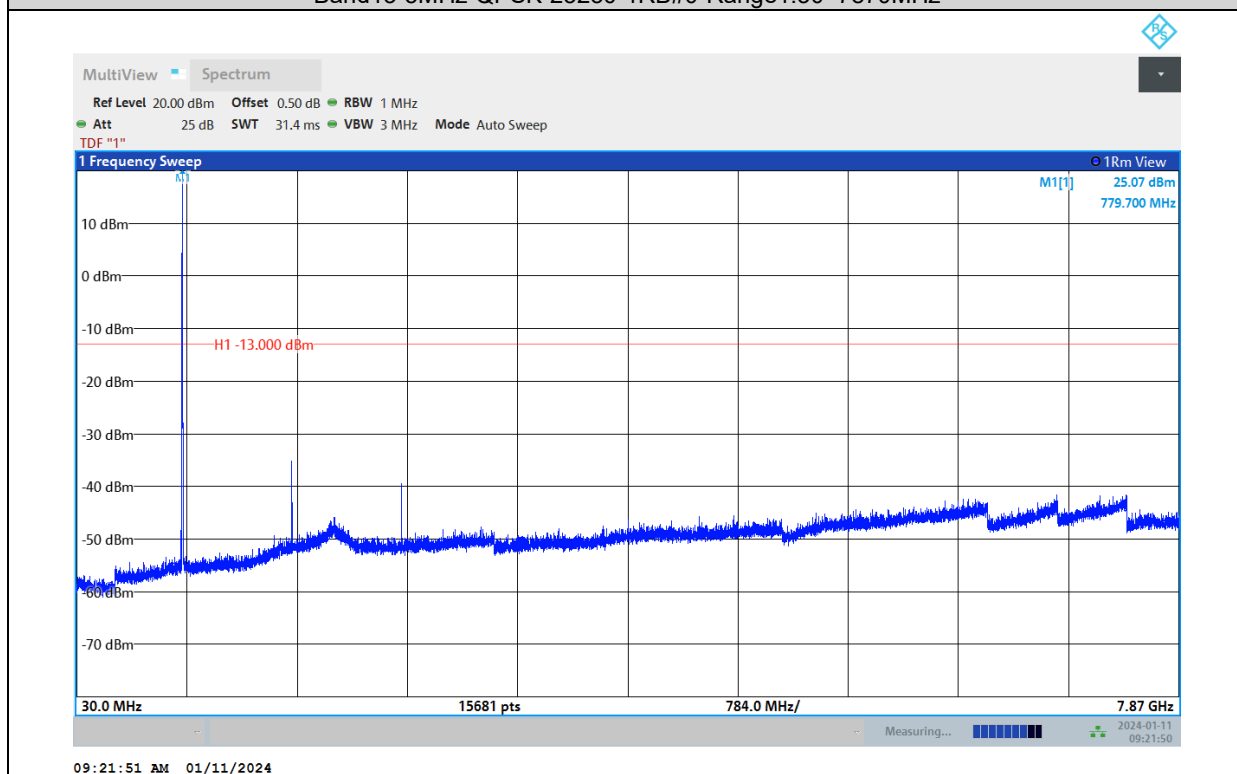
Band13-5MHz-64QAM-23205-1RB#0-Range2:763~775MHz



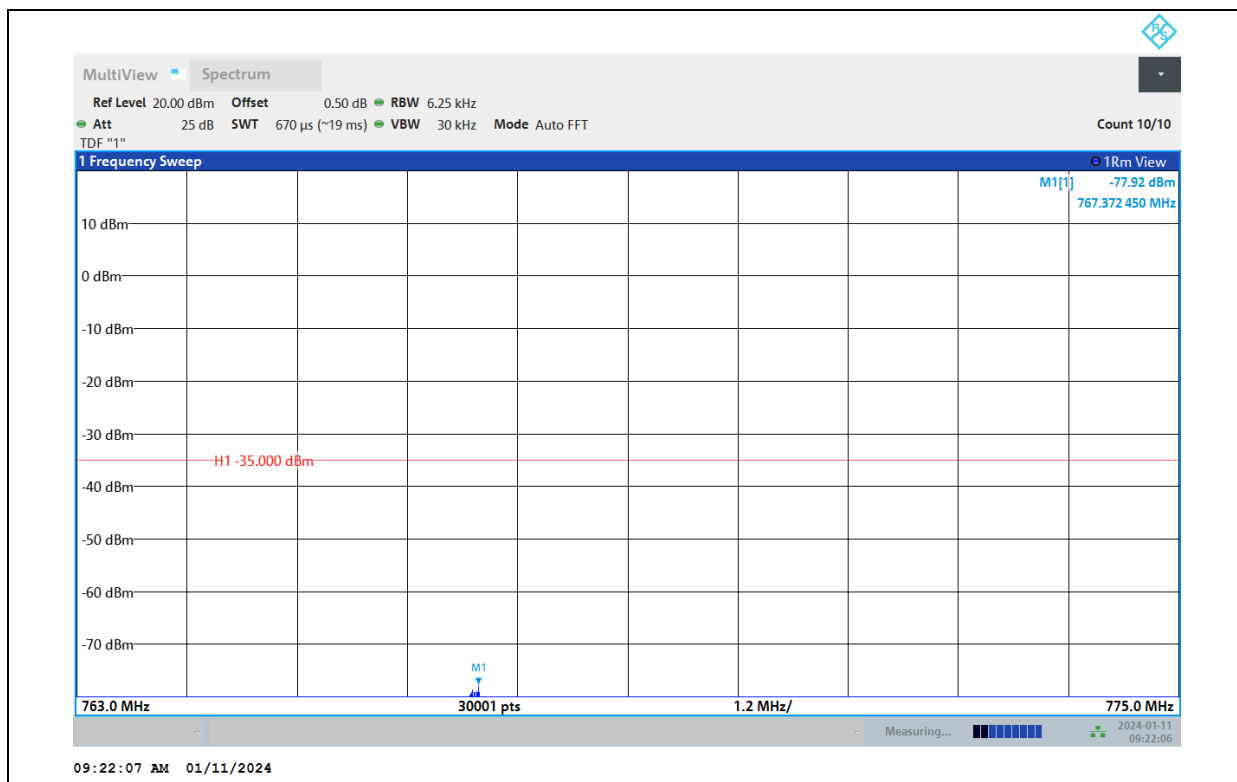
Band13-5MHz-64QAM-23205-1RB#0-Range3:793~806MHz



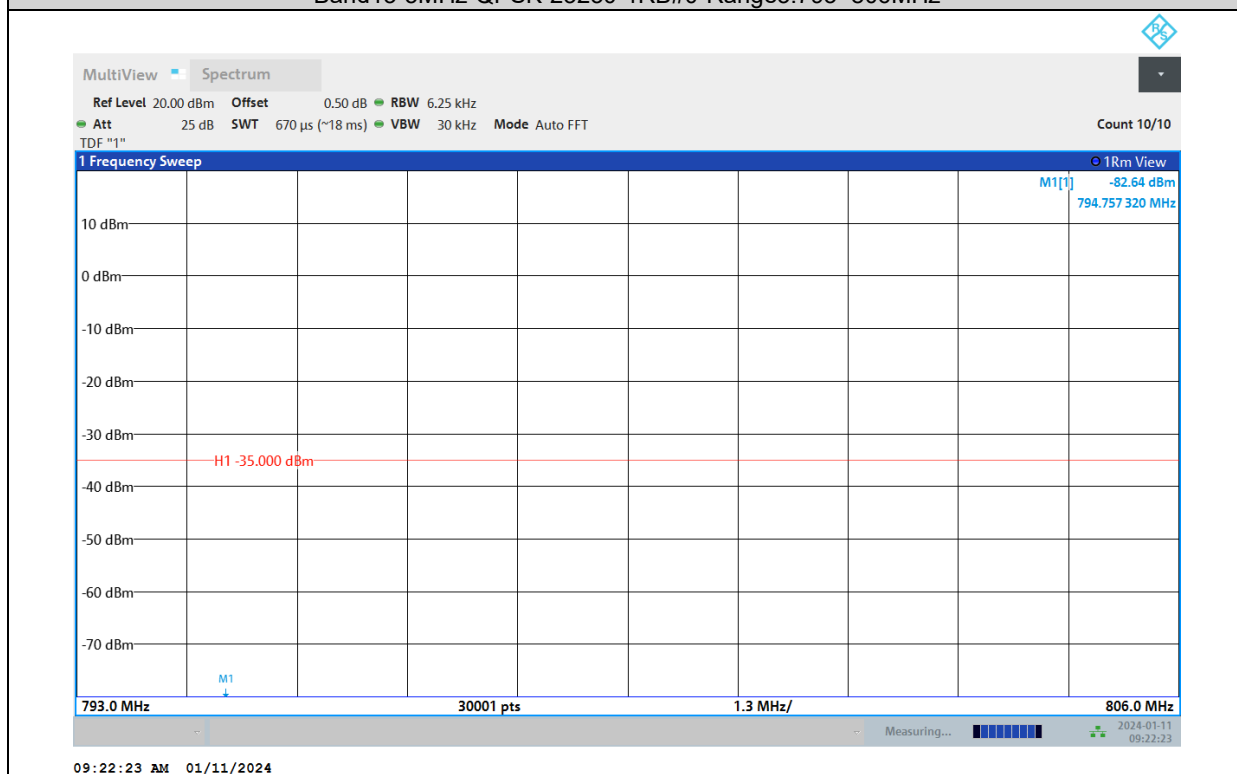
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~7870MHz



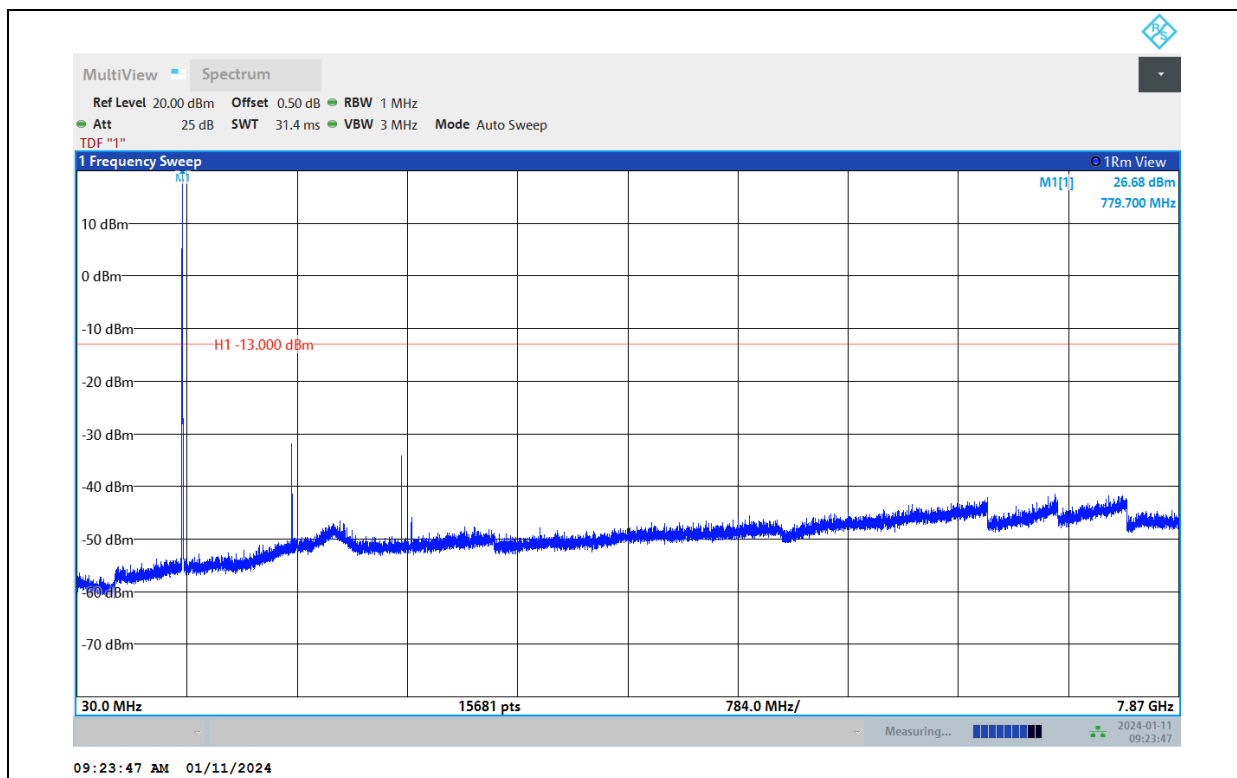
Band13-5MHz-QPSK-23230-1RB#0-Range2:763~775MHz



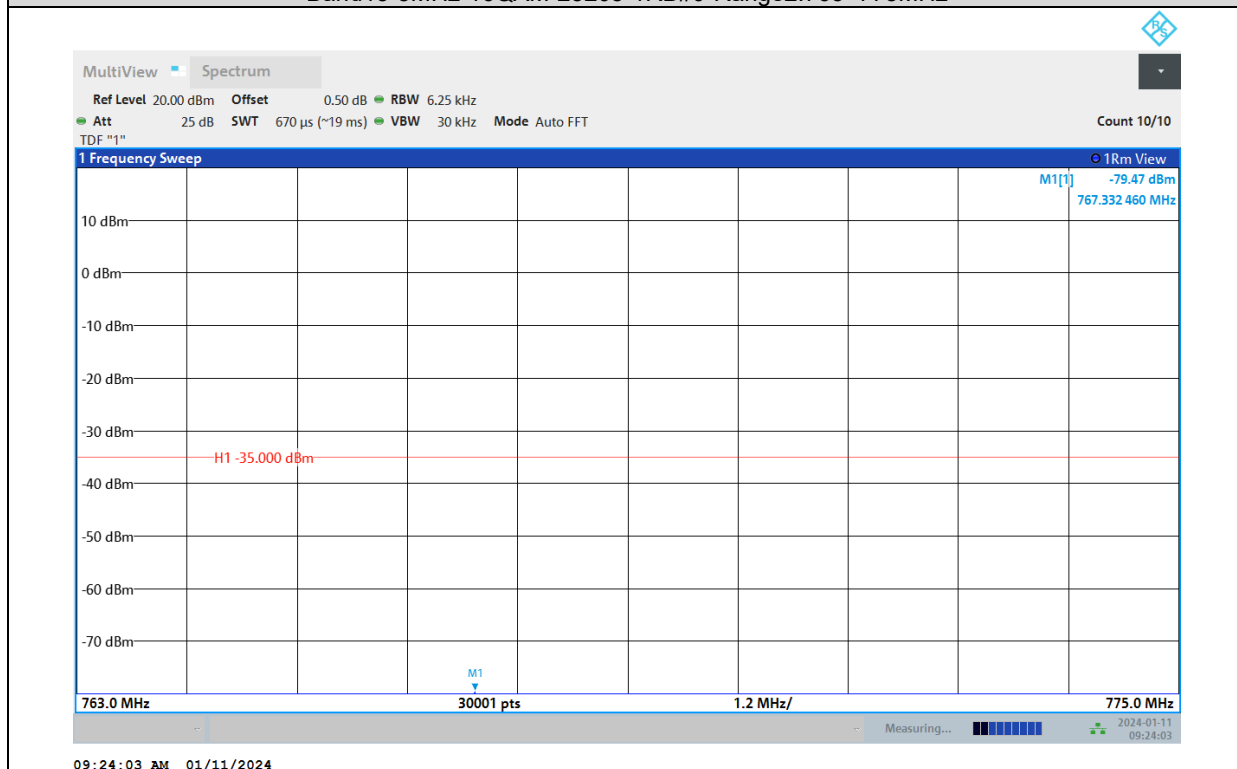
Band13-5MHz-QPSK-23230-1RB#0-Range3:793~806MHz



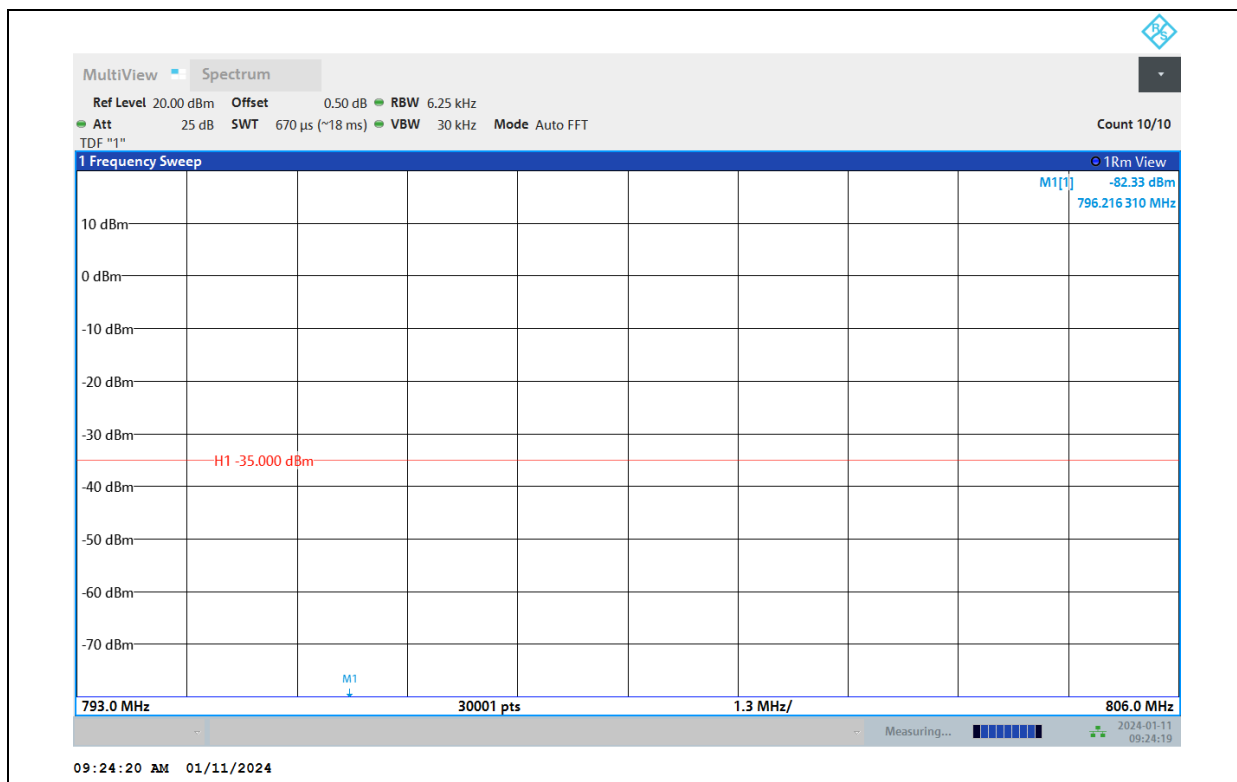
Band13-5MHz-16QAM-23230-1RB#0-Range1:30~7870MHz



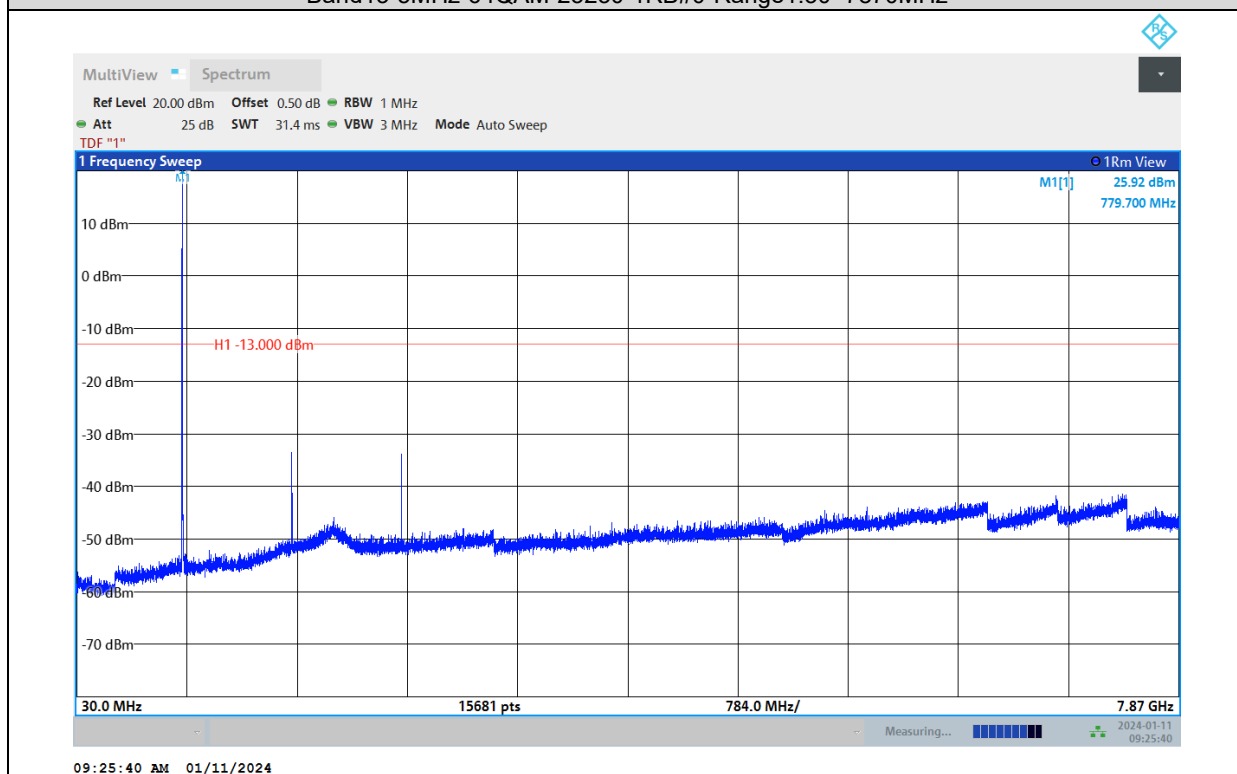
Band13-5MHz-16QAM-23205-1RB#0-Range2:763~775MHz



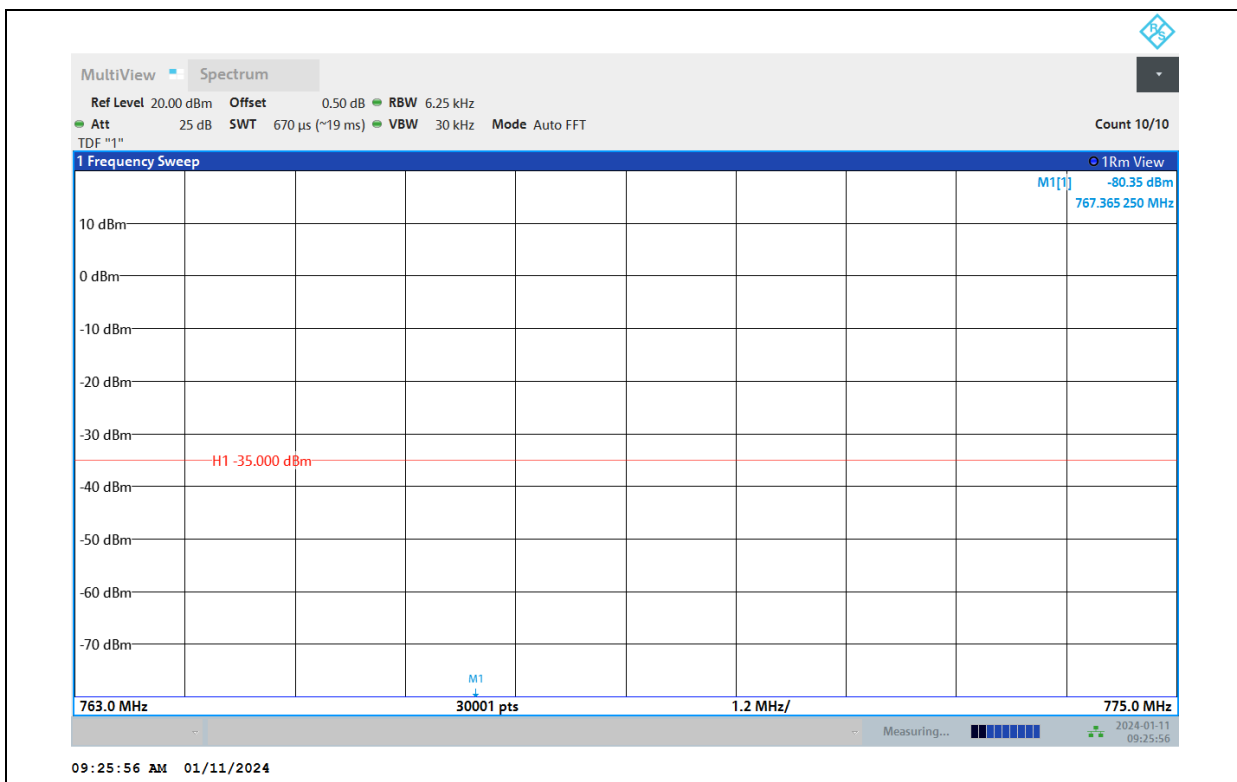
Band13-5MHz-16QAM-23205-1RB#0-Range3:793~806MHz



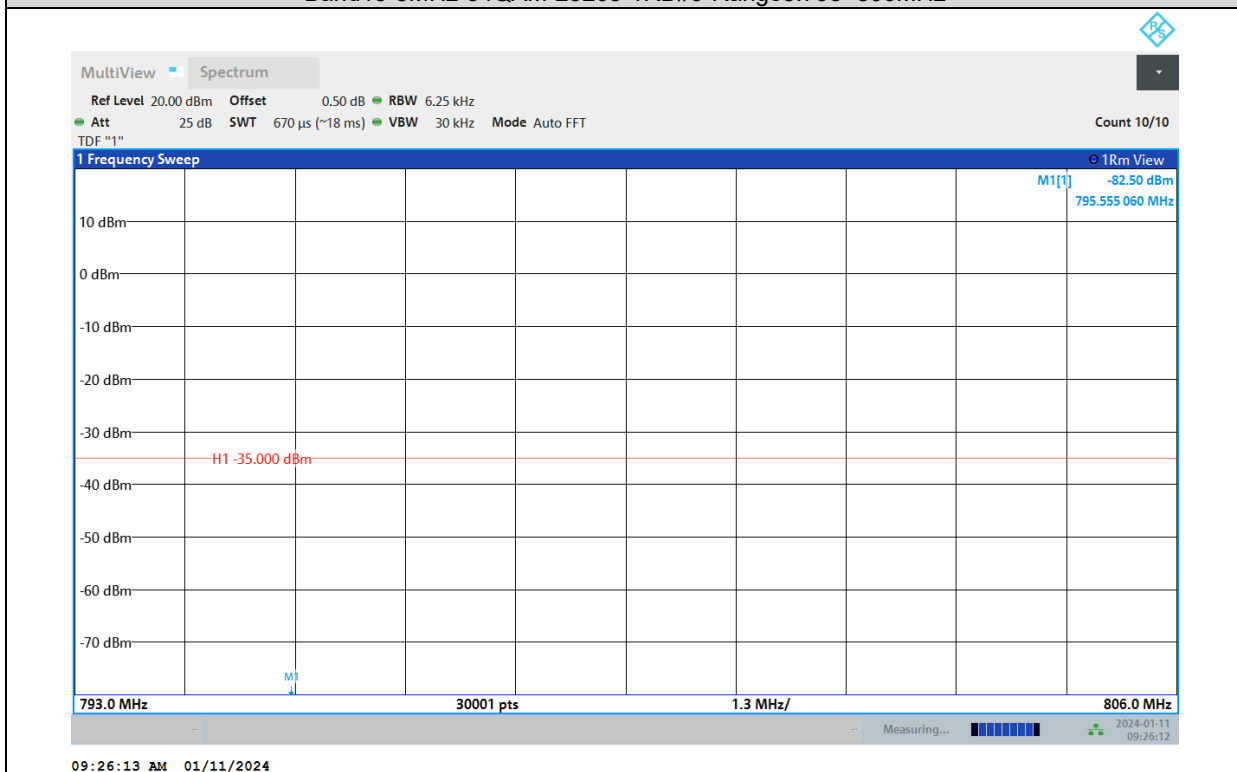
Band13-5MHz-64QAM-23230-1RB#0-Range1:30~7870MHz



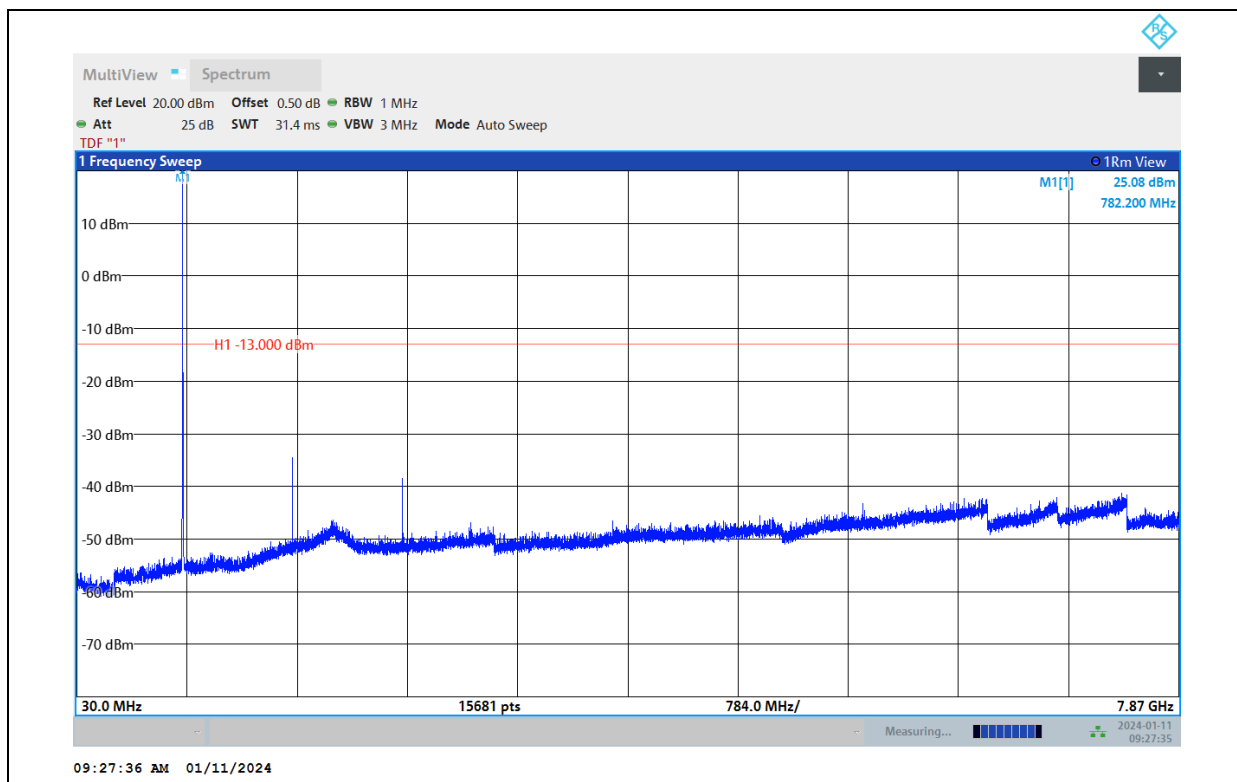
Band13-5MHz-64QAM-23205-1RB#0-Range2:763~775MHz



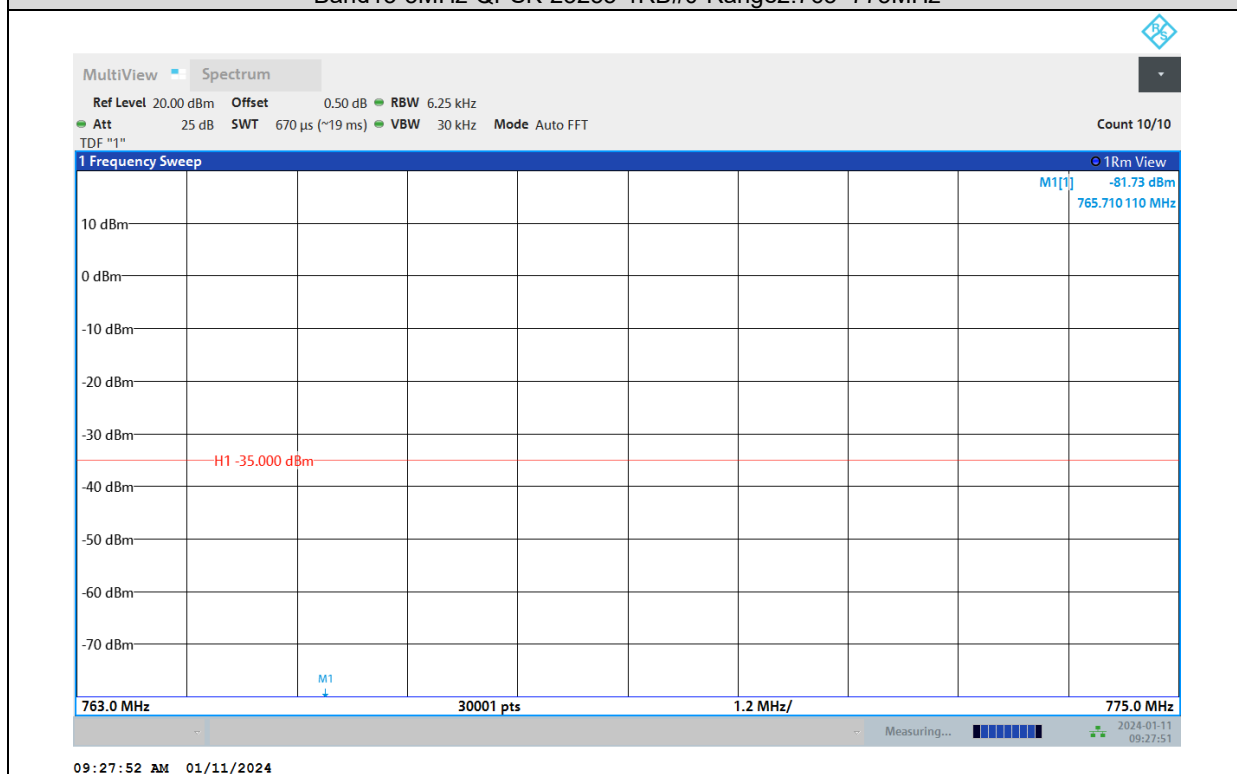
Band13-5MHz-64QAM-23205-1RB#0-Range3:793~806MHz



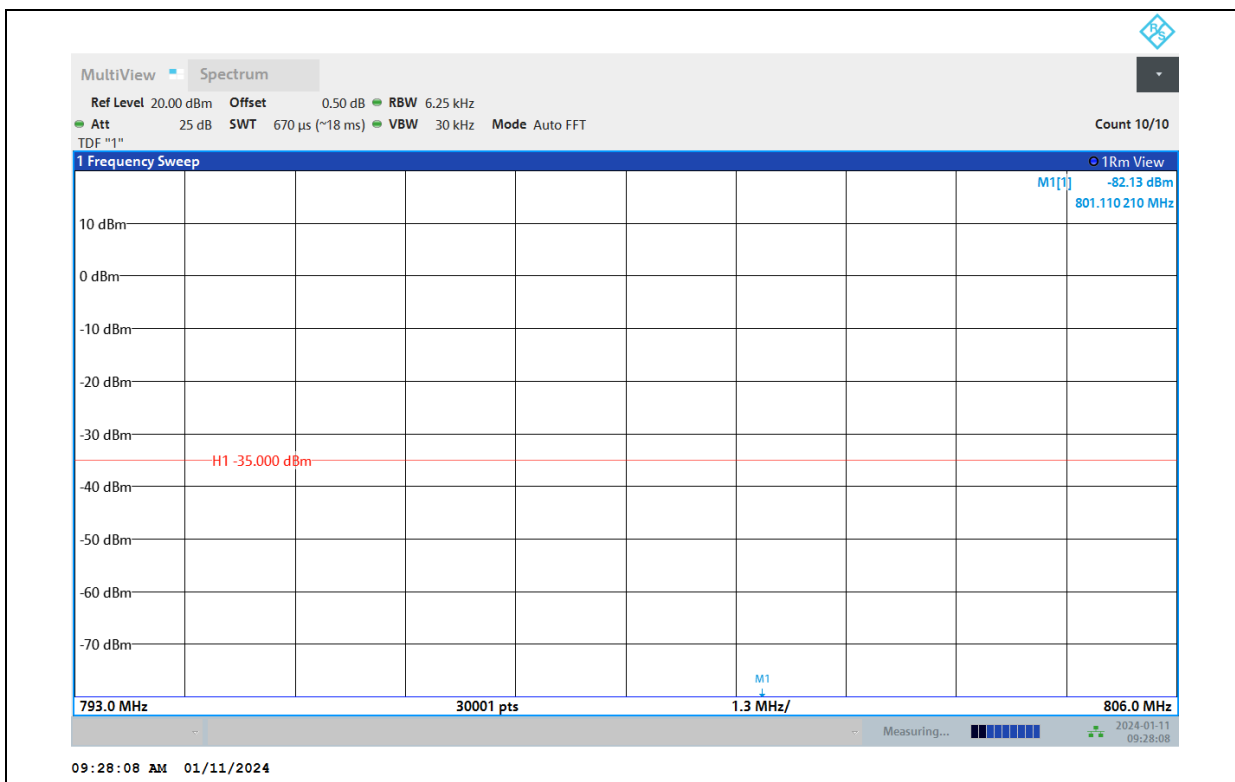
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~7870MHz



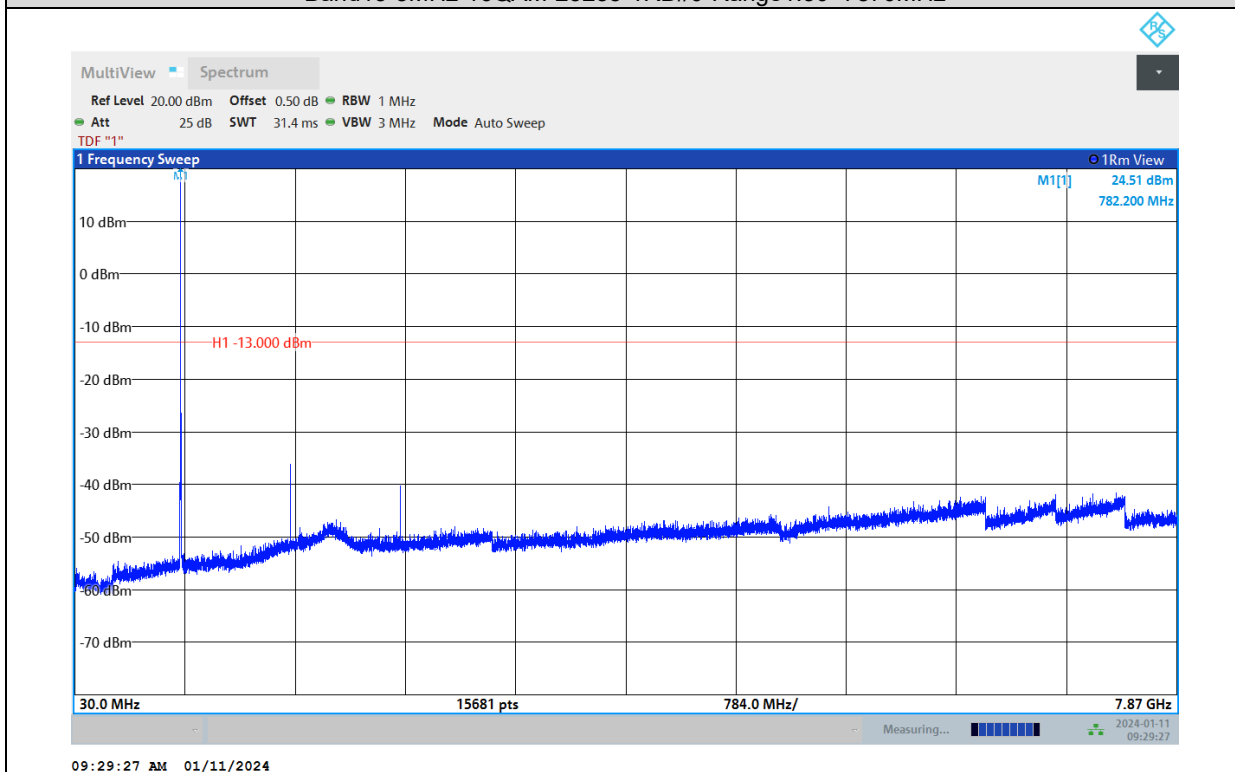
Band13-5MHz-QPSK-23255-1RB#0-Range2:763~775MHz



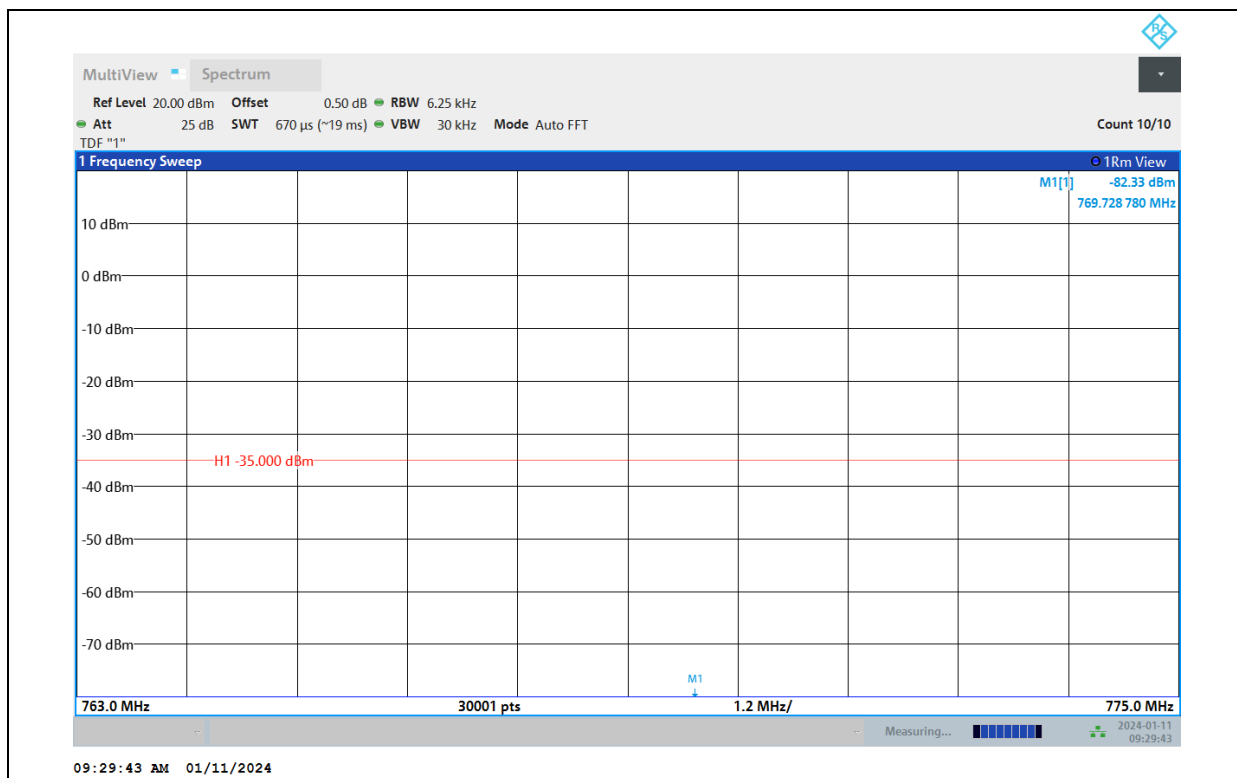
Band13-5MHz-QPSK-23255-1RB#0-Range3:793~806MHz



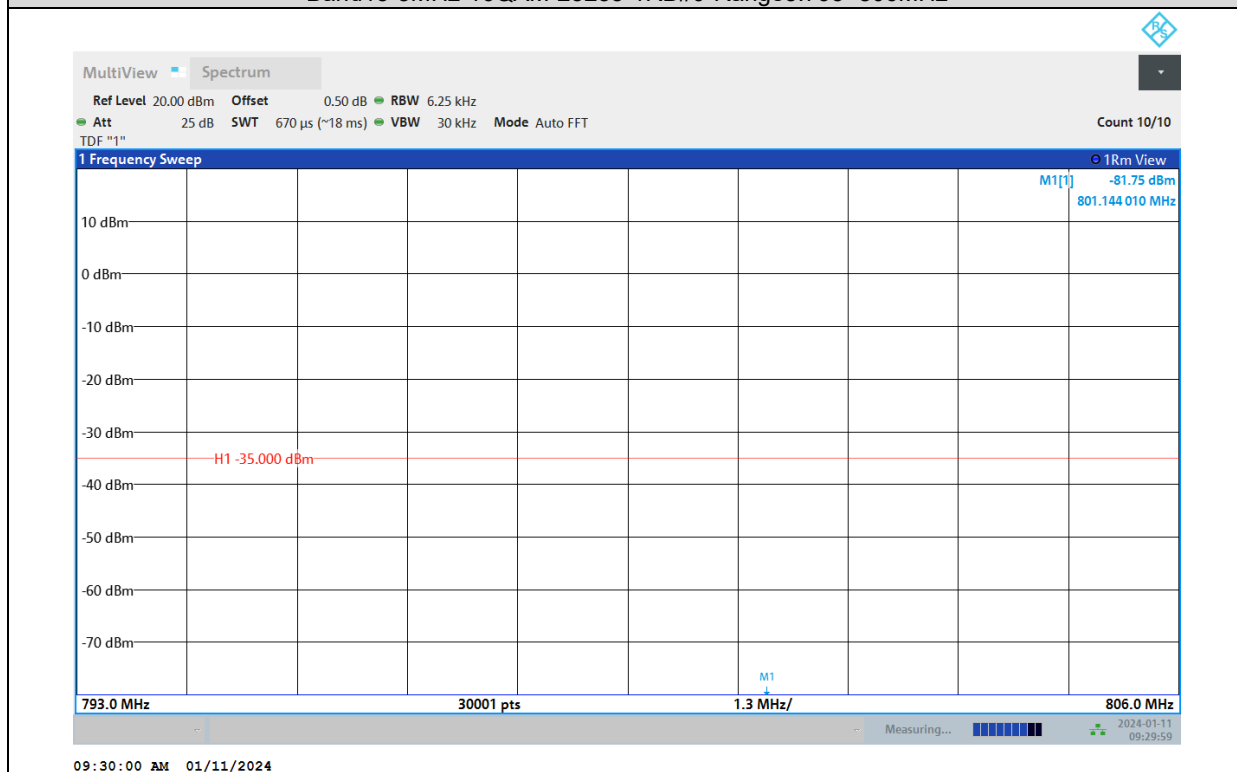
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~7870MHz



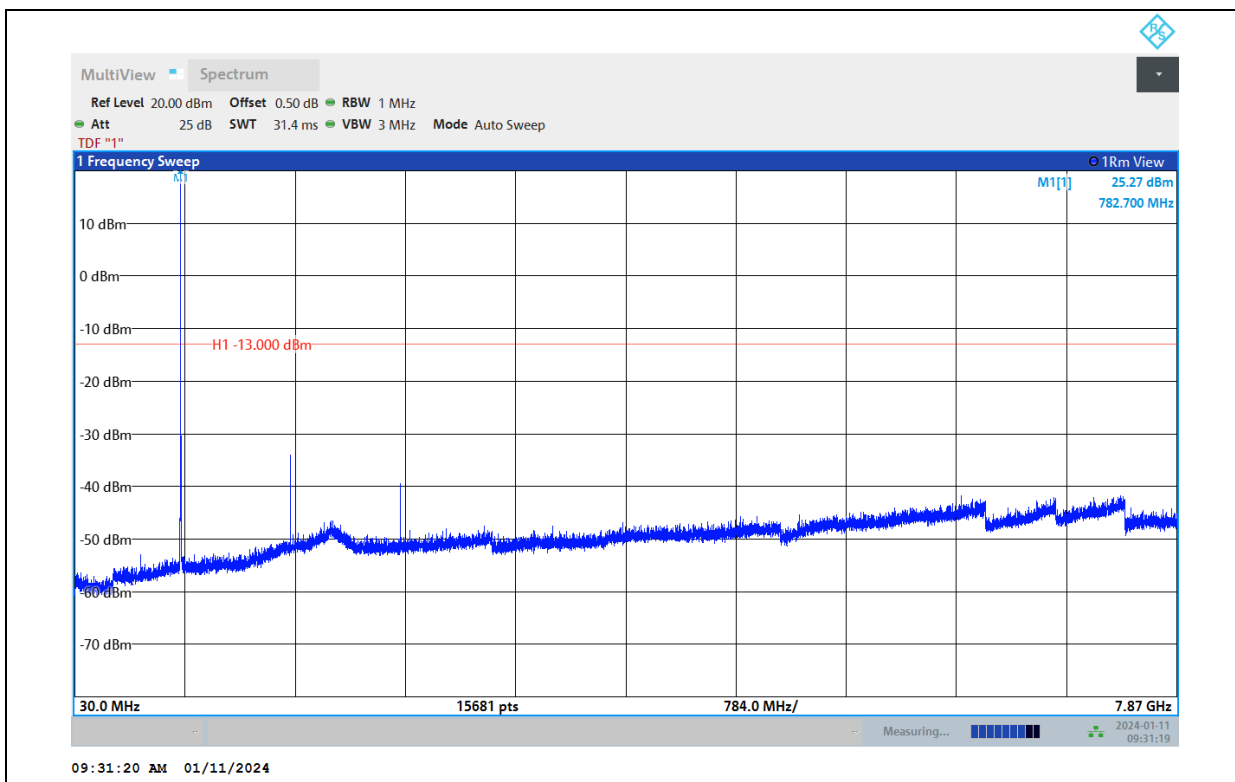
Band13-5MHz-16QAM-23255-1RB#0-Range2:763~775MHz



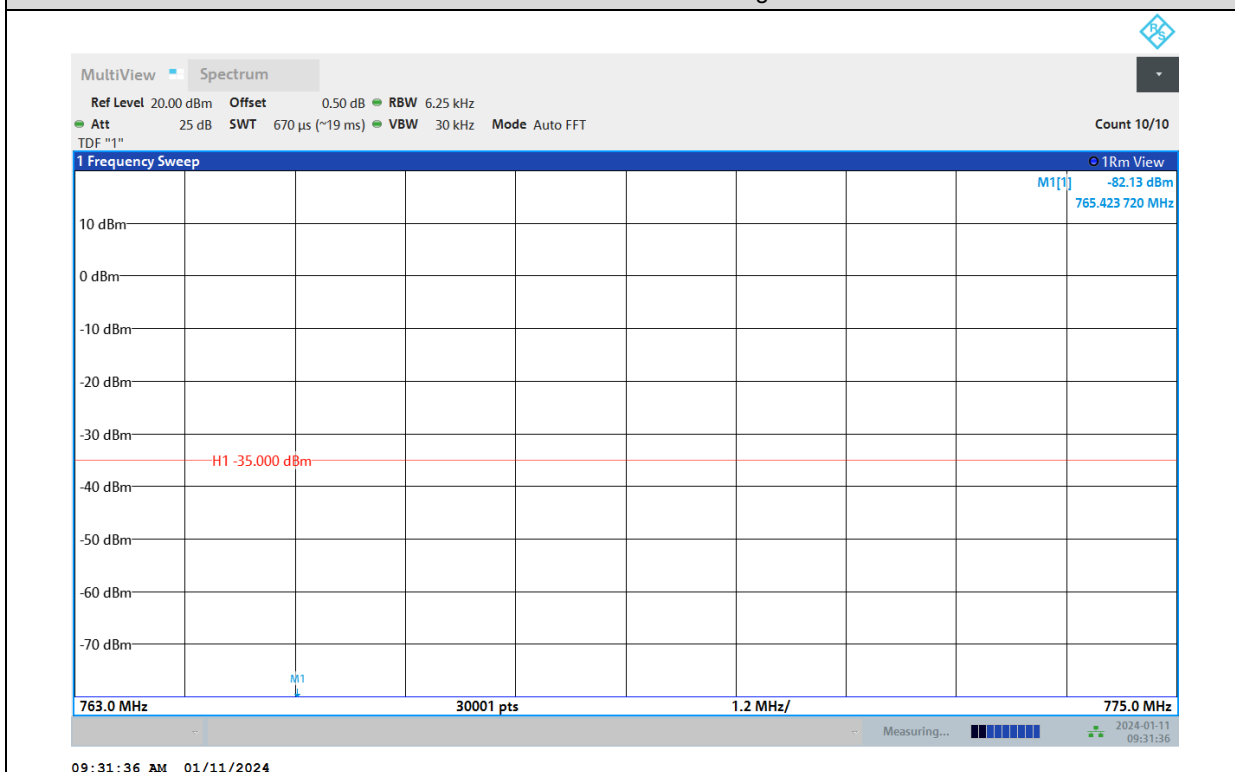
Band13-5MHz-16QAM-23255-1RB#0-Range3:793~806MHz



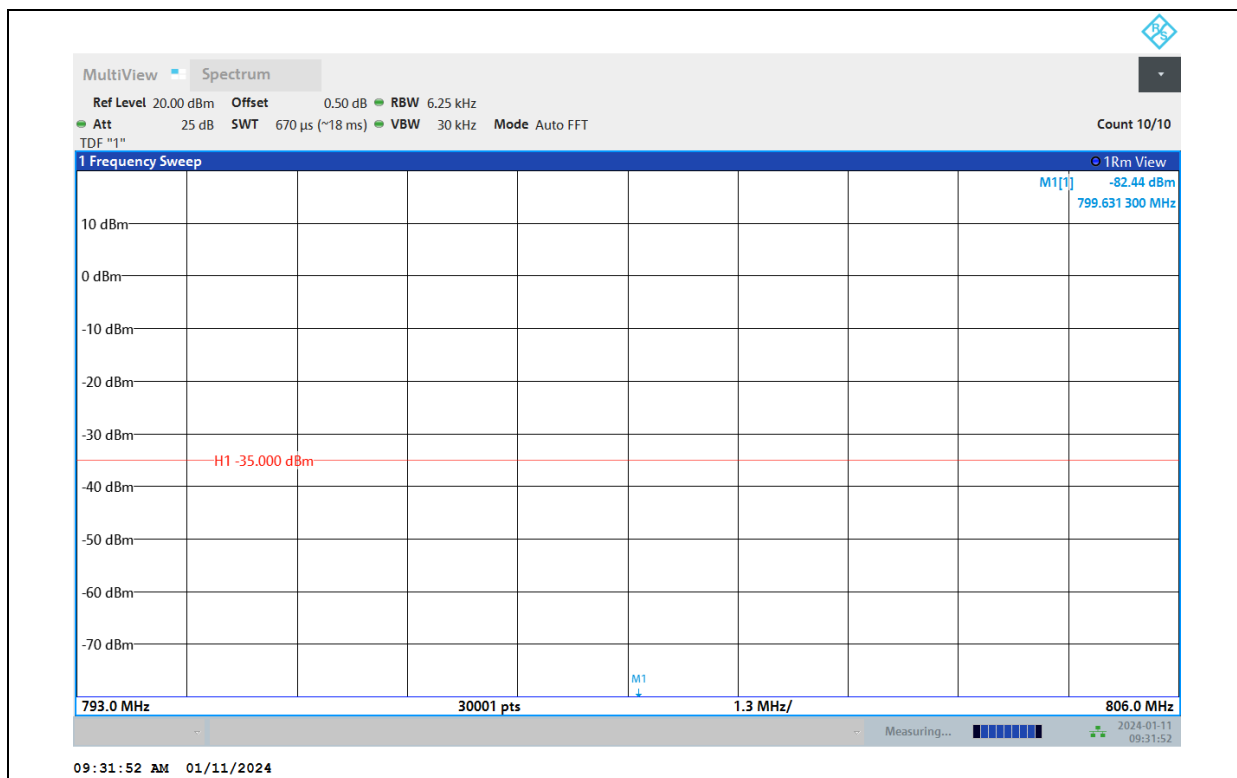
Band13-5MHz-64QAM-23255-1RB#0-Range1:30~7870MHz



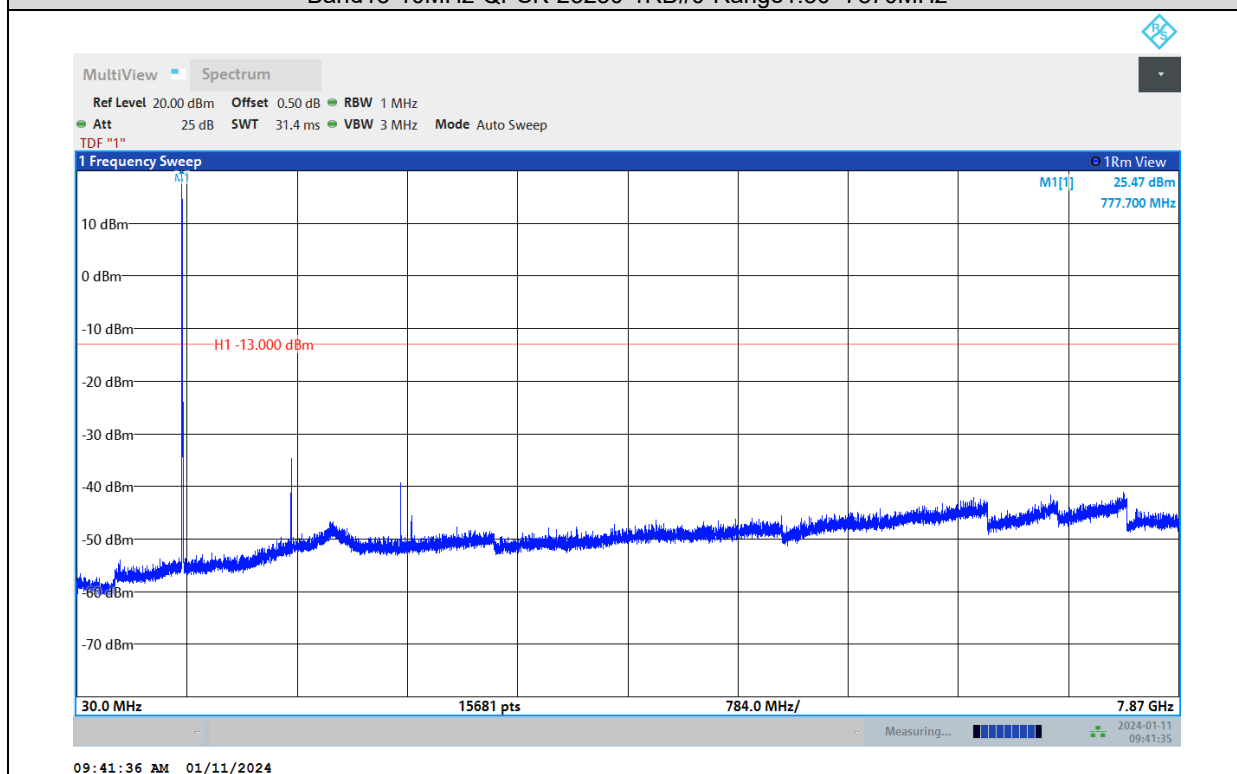
Band13-5MHz-64QAM-23255-1RB#0-Range2:763~775MHz



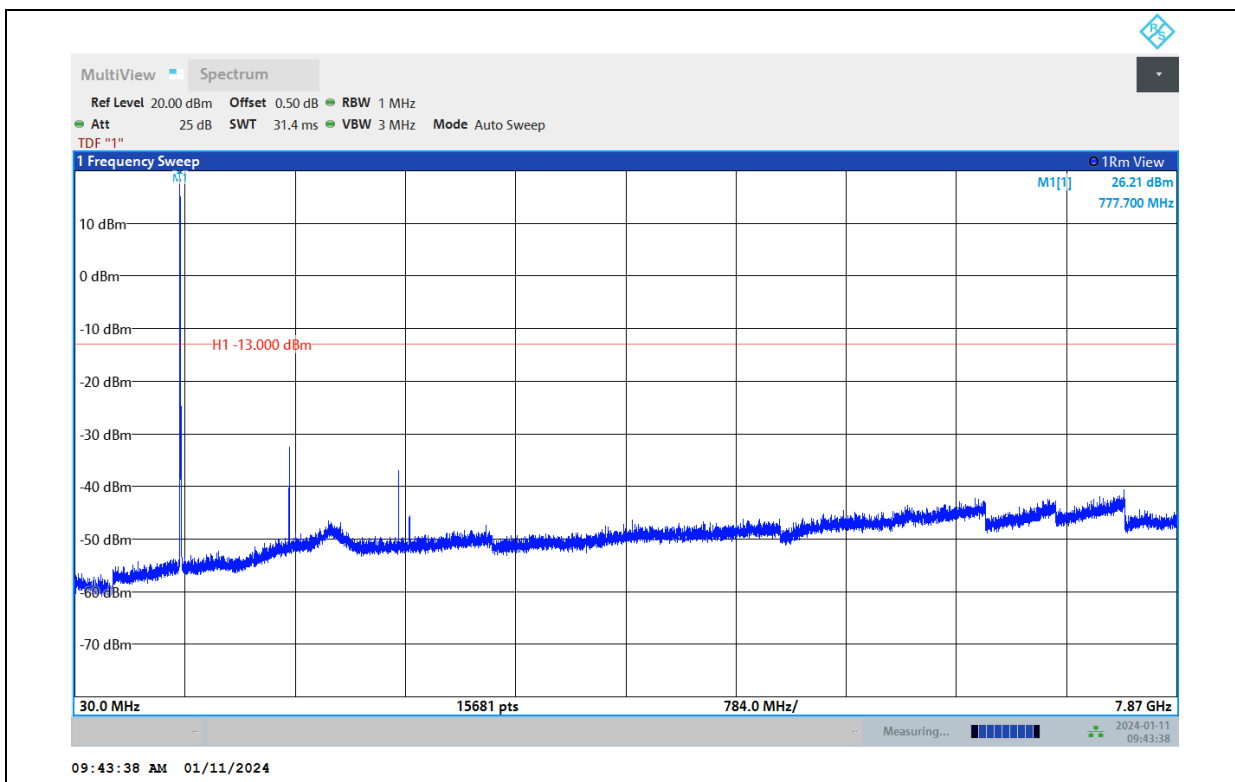
Band13-5MHz-64QAM-23255-1RB#0-Range3:793~806MHz



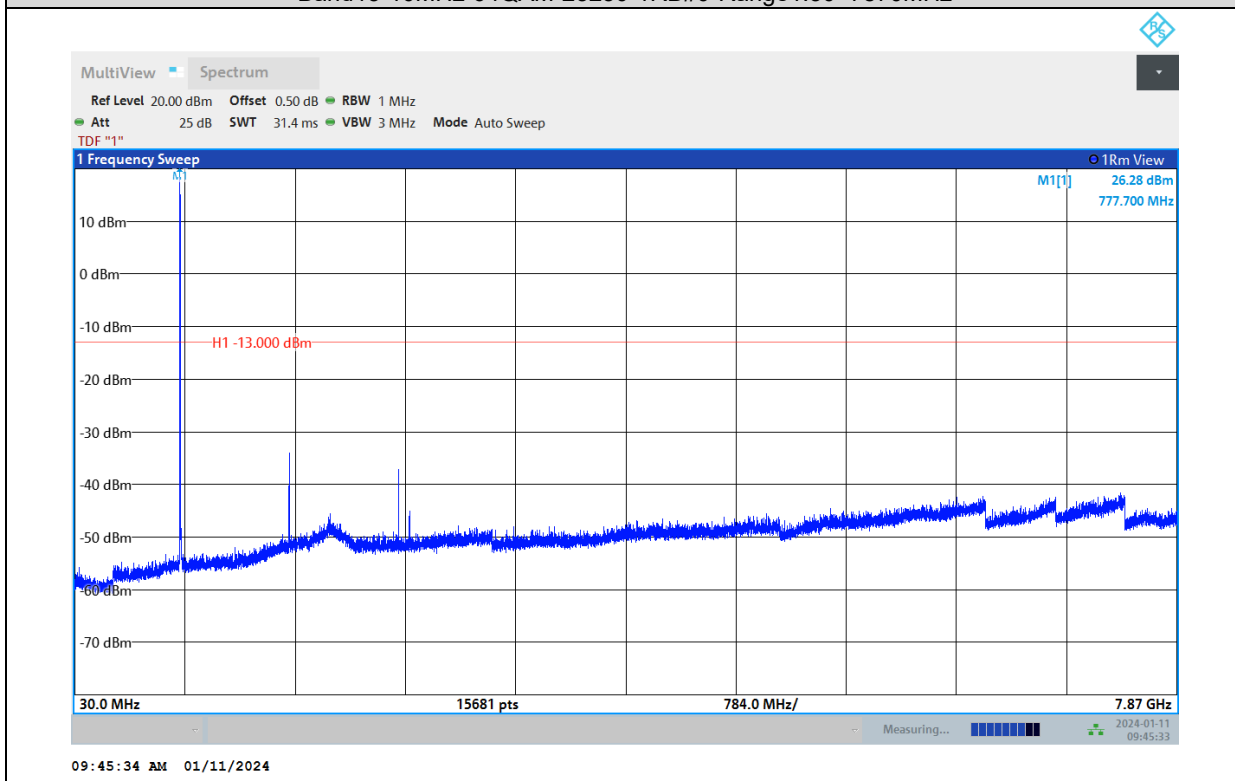
Band13-10MHz-QPSK-23230-1RB#0-Range1:30~7870MHz



Band13-10MHz-16QAM-23230-1RB#0-Range1:30~7870MHz



Band13-10MHz-64QAM-23230-1RB#0-Range1:30~7870MHz



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-23.4	-0.029923	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	20.6	0.026343	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	27	0.034527	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	14.9	0.019054	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	3.4	0.004348	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	27	0.034527	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VL	NT	-6.6	-0.008440	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VN	NT	17.7	0.022634	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	VH	NT	-23.4	-0.029923	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	26.9	0.034399	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	2.8	0.003581	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-10.4	-0.013299	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-24.2	-0.030946	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	20.4	0.026087	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	9.8	0.012532	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	5.6	0.007161	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	3.3	0.004220	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	12.5	0.015985	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	1.5	0.001918	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-18.2	-0.023274	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	14.9	0.019054	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-23.6	-0.030179	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	7	0.008951	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-6.4	-0.008184	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-10.9	-0.013939	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-11.7	-0.014962	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	7.3	0.009335	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-30	-14.2	-0.018159	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-20	18.8	0.024041	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-10	-13.7	-0.017519	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	0	-10.6	-0.013555	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	10	13.7	0.017519	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	20	9.7	0.012404	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	30	23.6	0.030179	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	40	-23.3	-0.029795	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	50	-10.3	-0.013171	±2.5	PASS

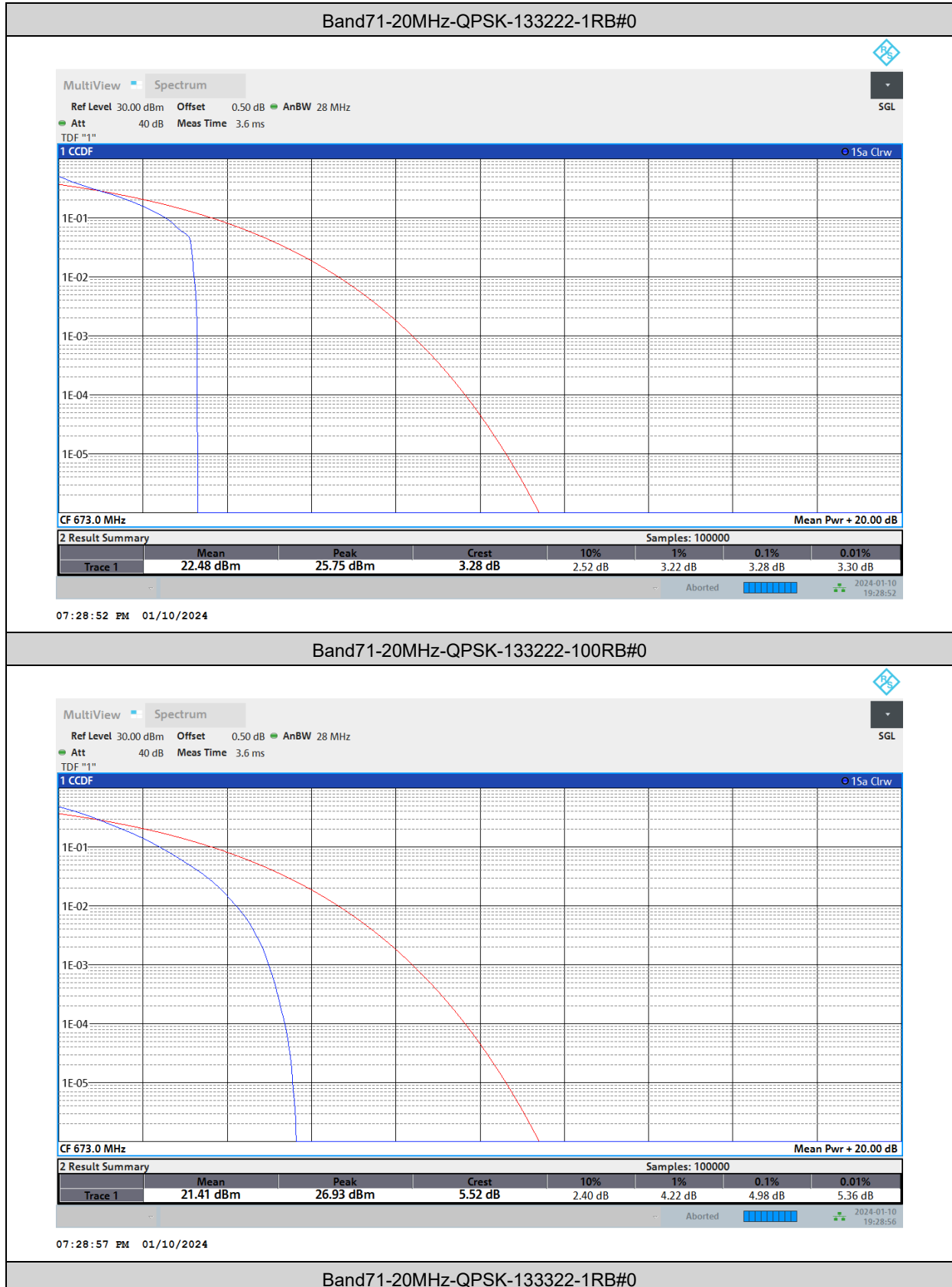
LTE BAND71

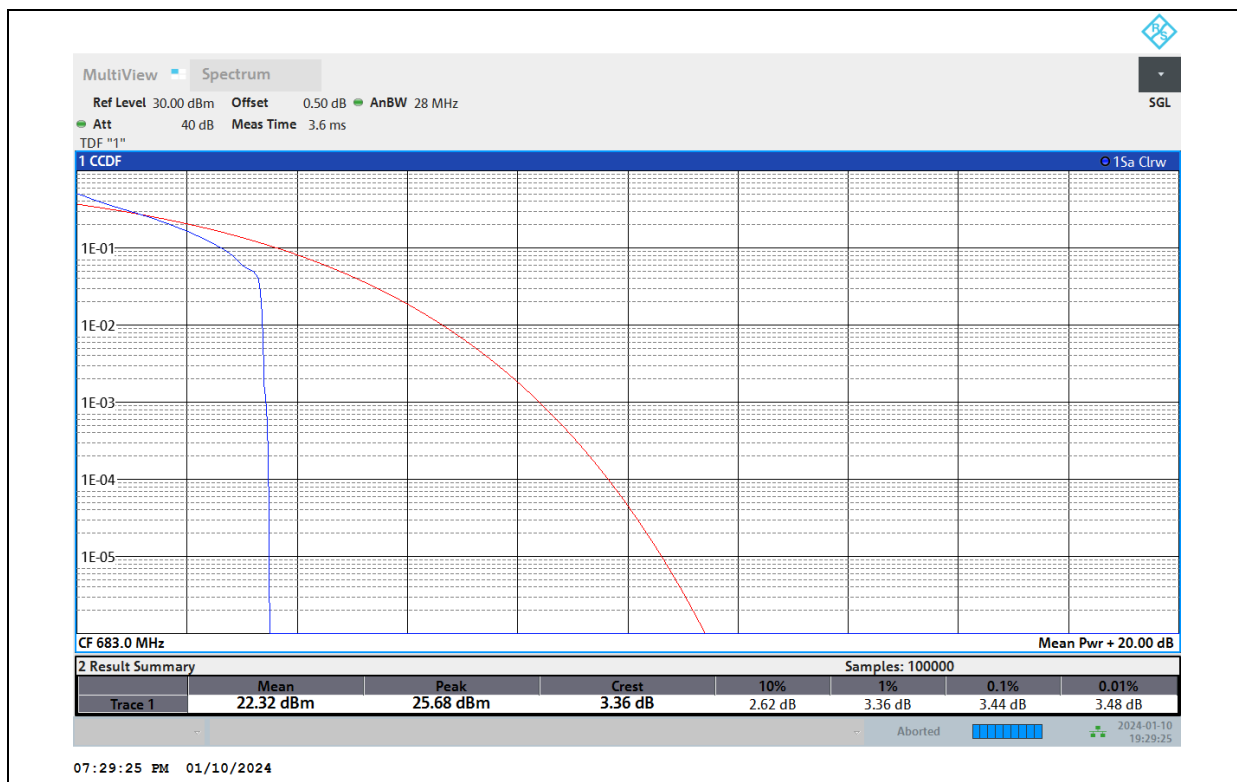
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

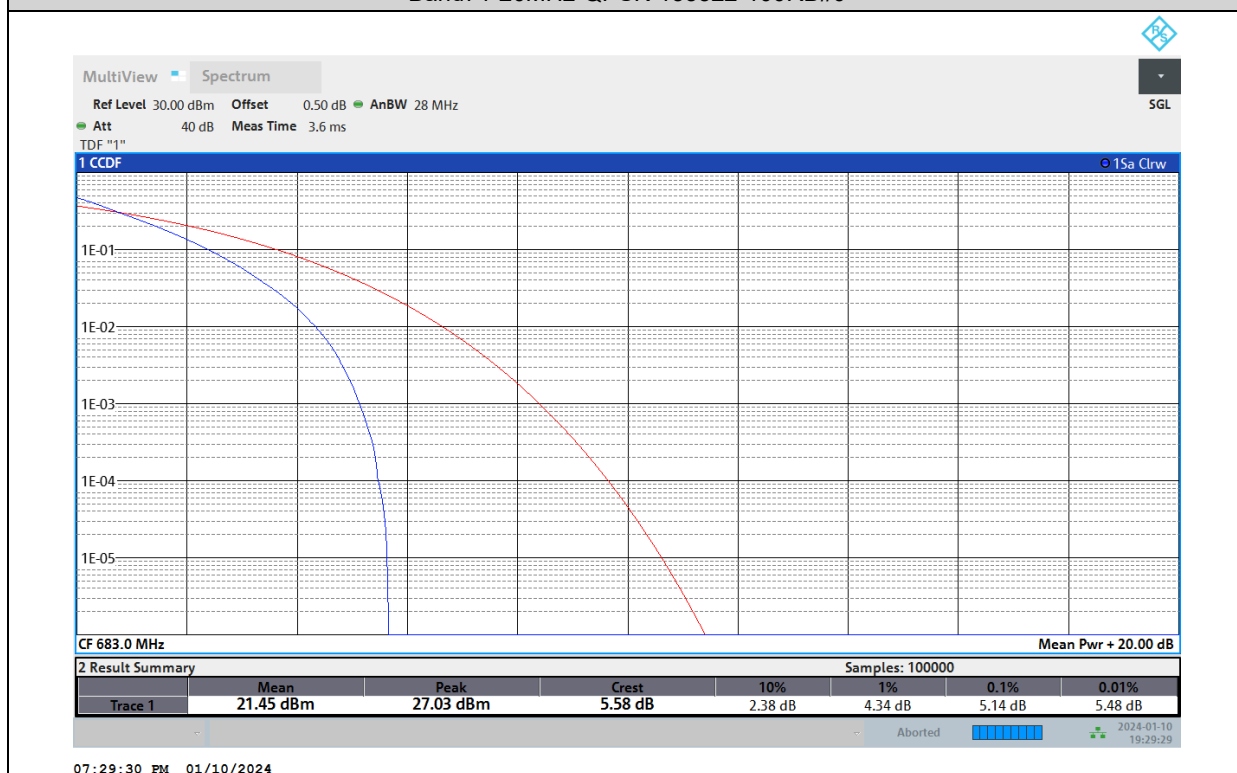
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	1RB#0	3.28	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	4.98	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	3.44	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.14	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	3.40	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	4.42	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.74	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.34	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.94	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.54	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.82	13	PASS
Band71	20MHz	64QAM	133222	1RB#0	6.90	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.58	13	PASS
Band71	20MHz	64QAM	133322	1RB#0	6.62	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.68	13	PASS
Band71	20MHz	64QAM	133372	1RB#0	6.52	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.54	13	PASS

Test Graphs

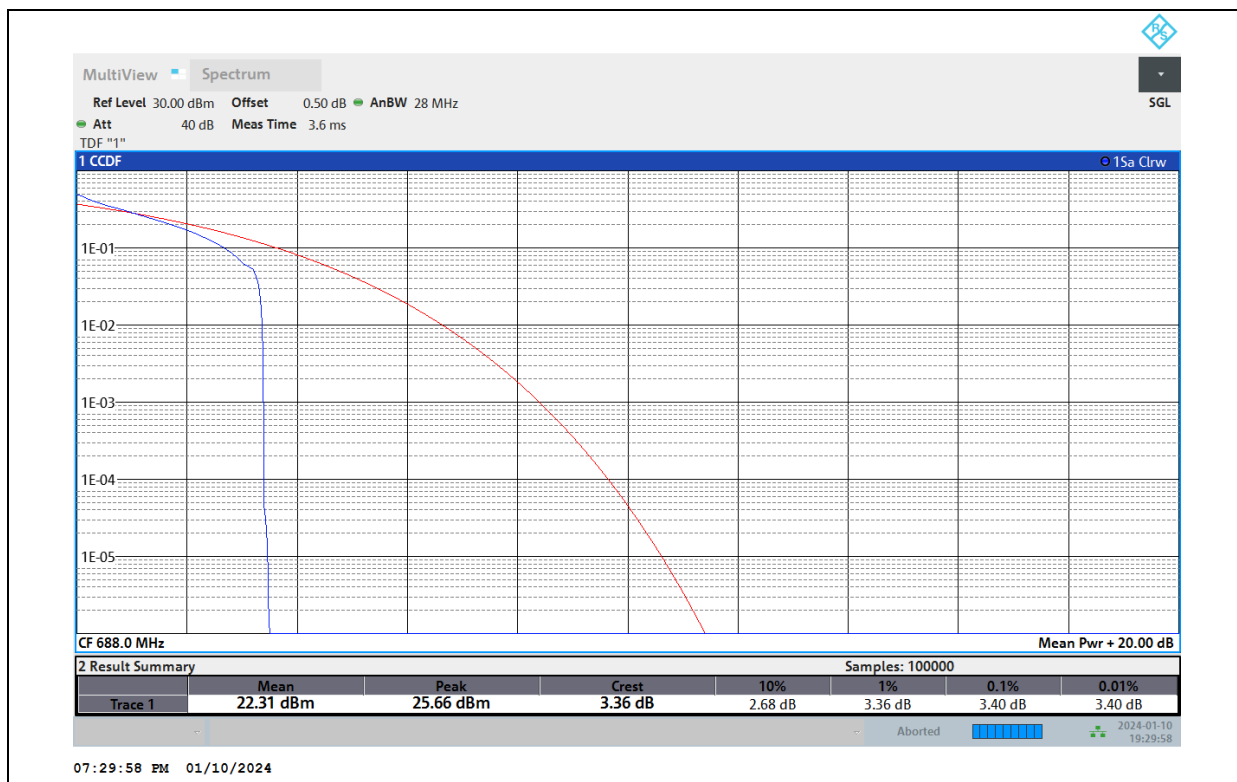




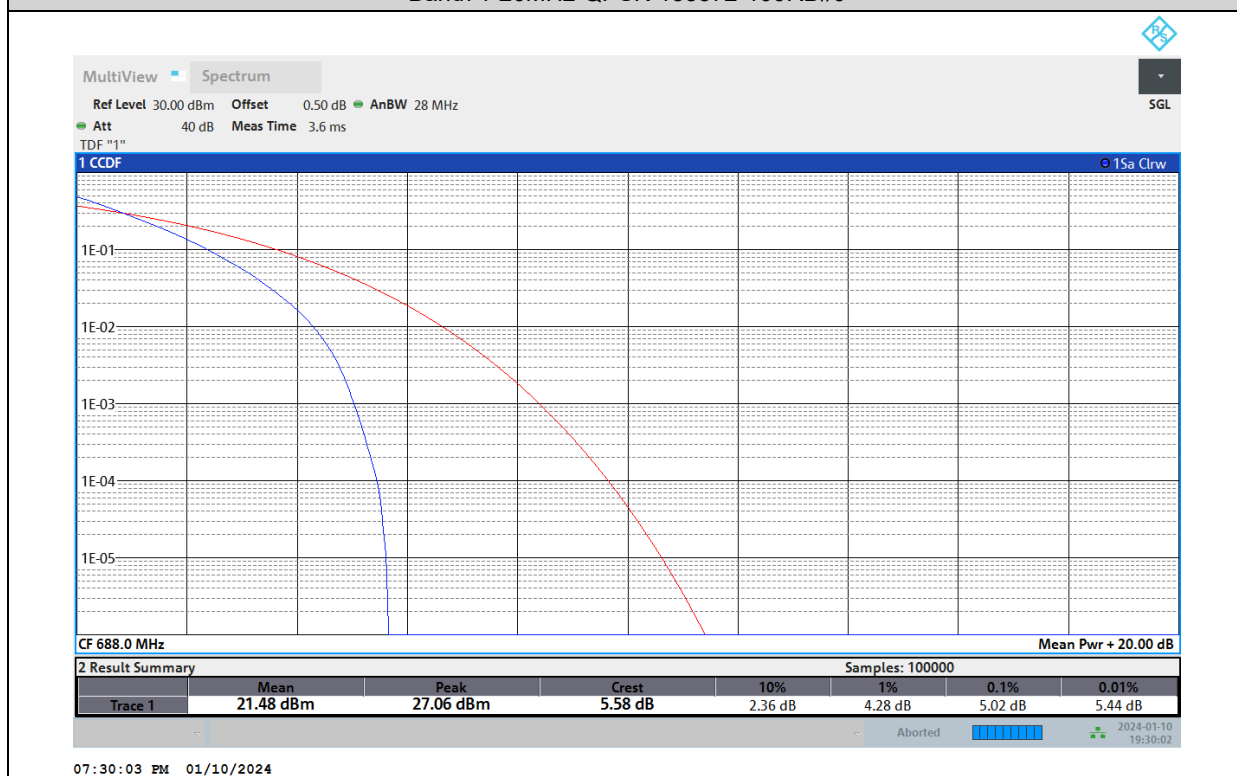
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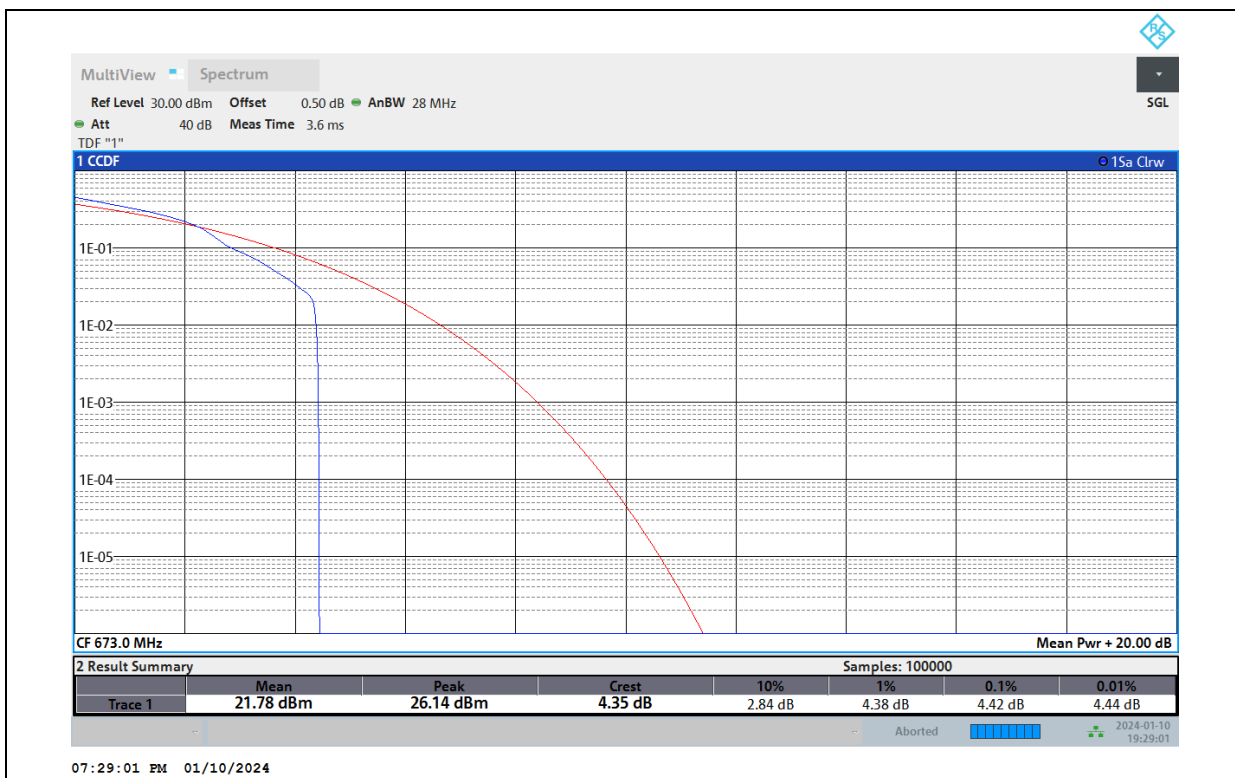
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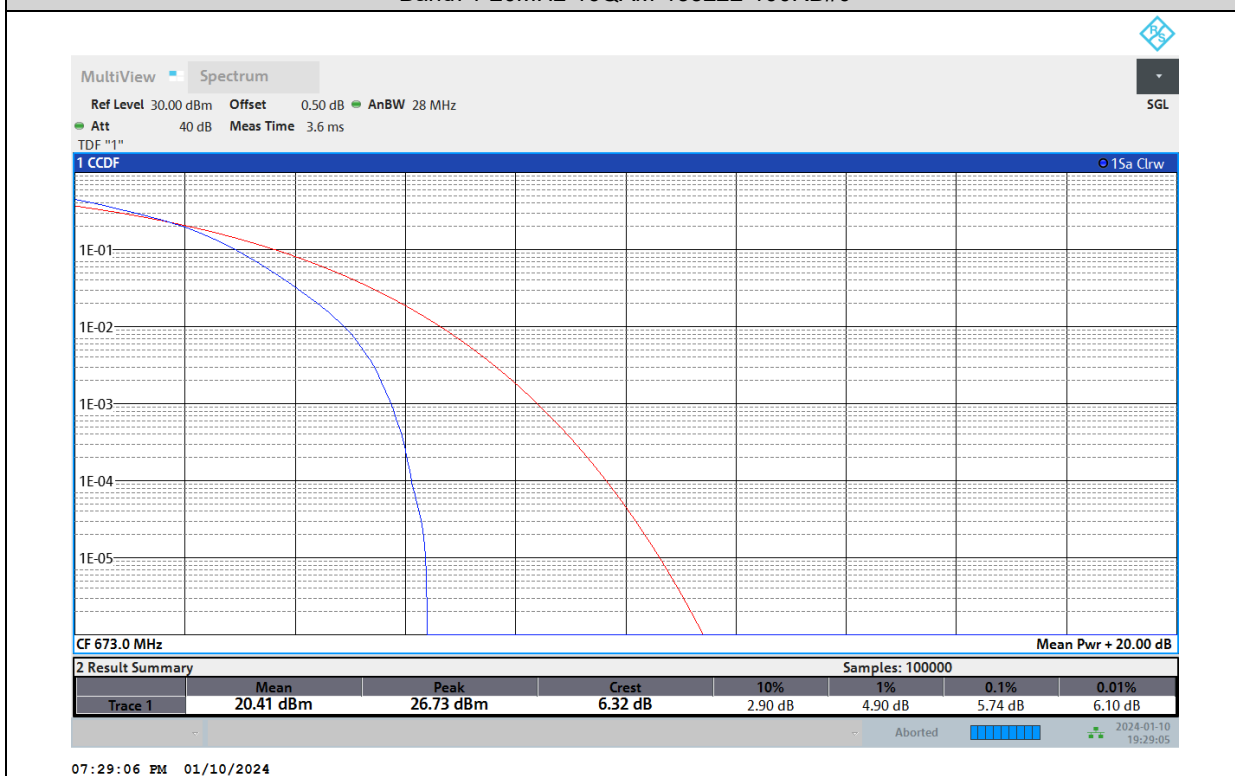
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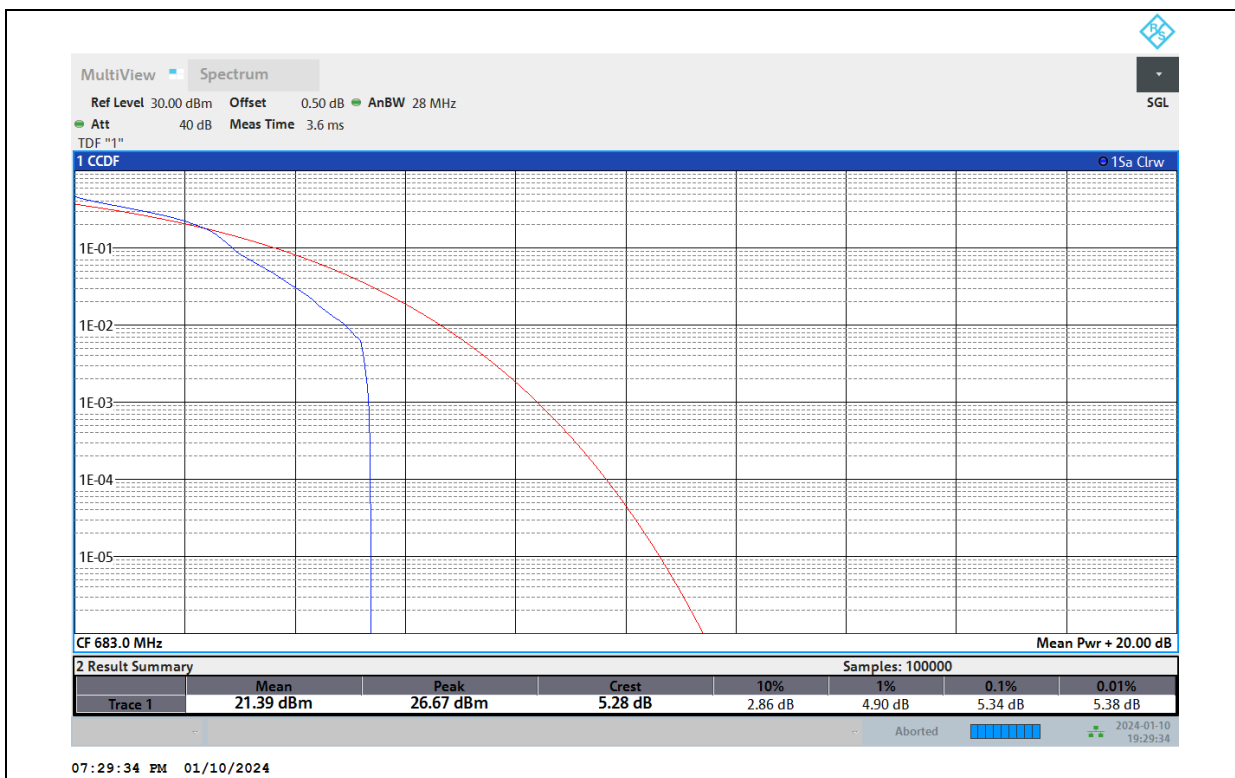
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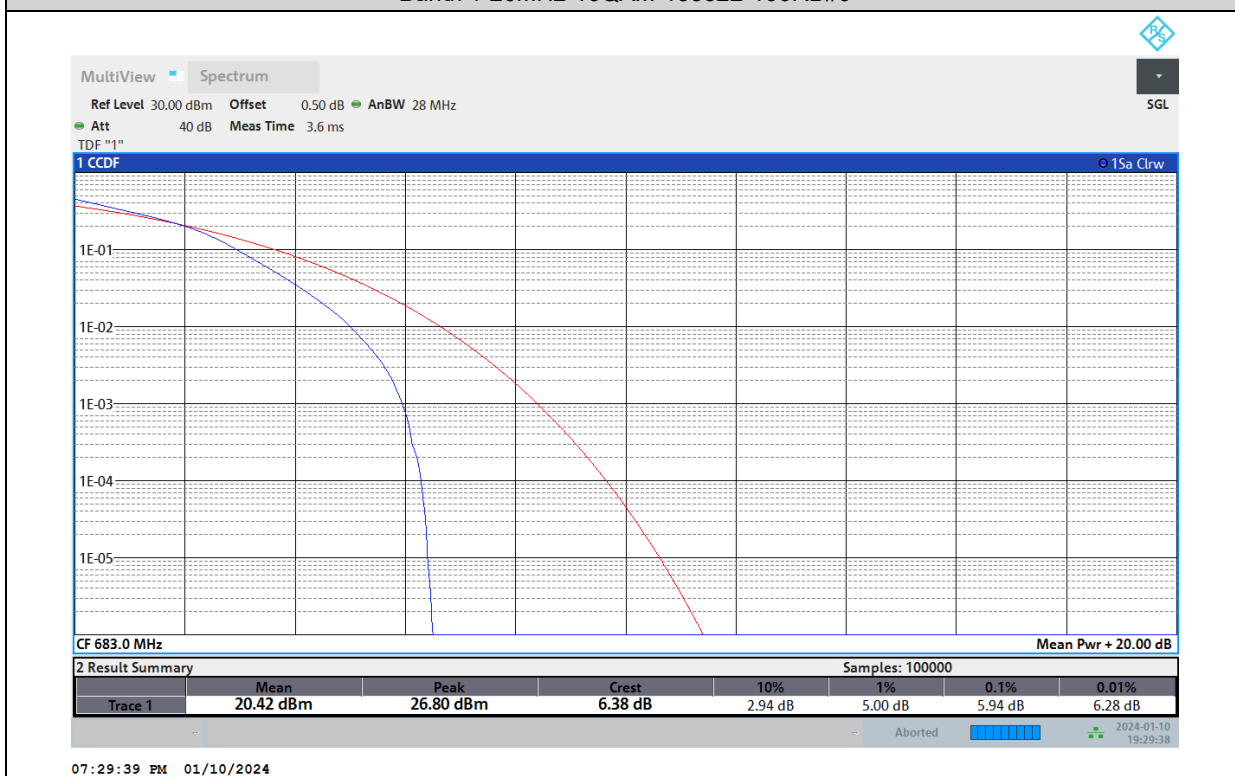
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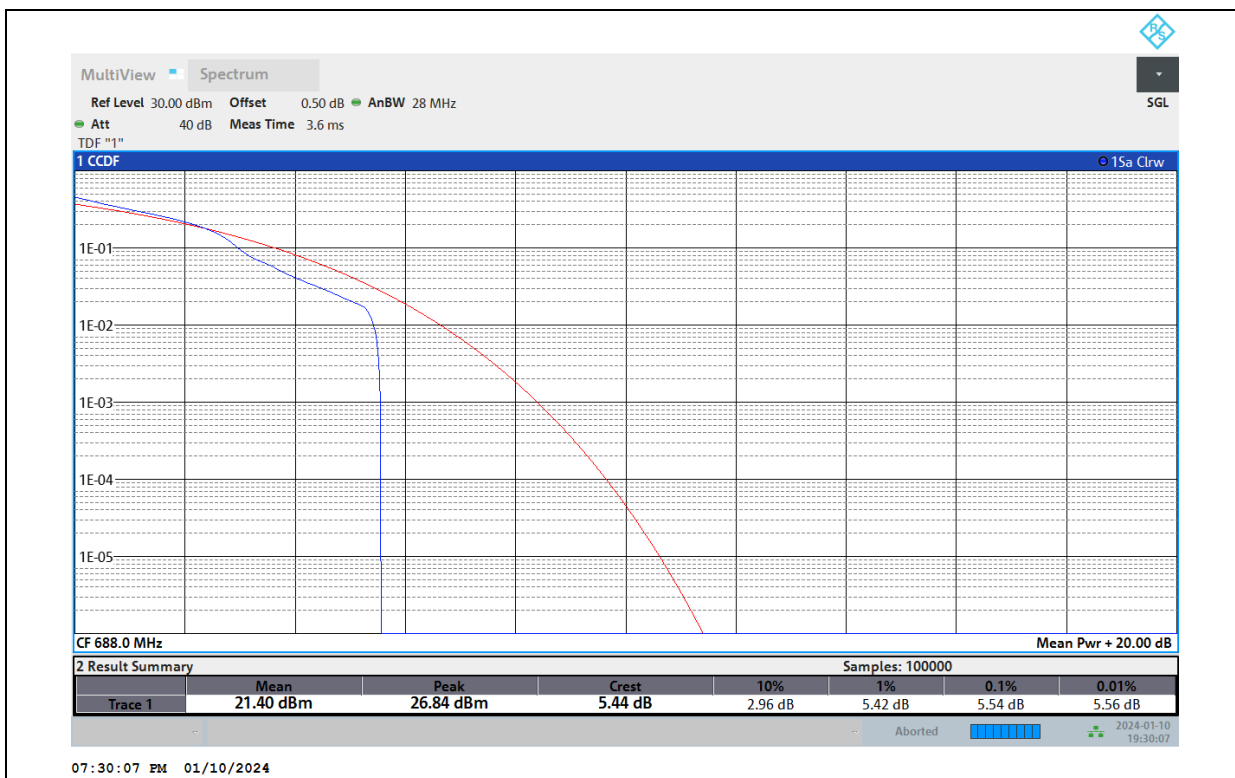
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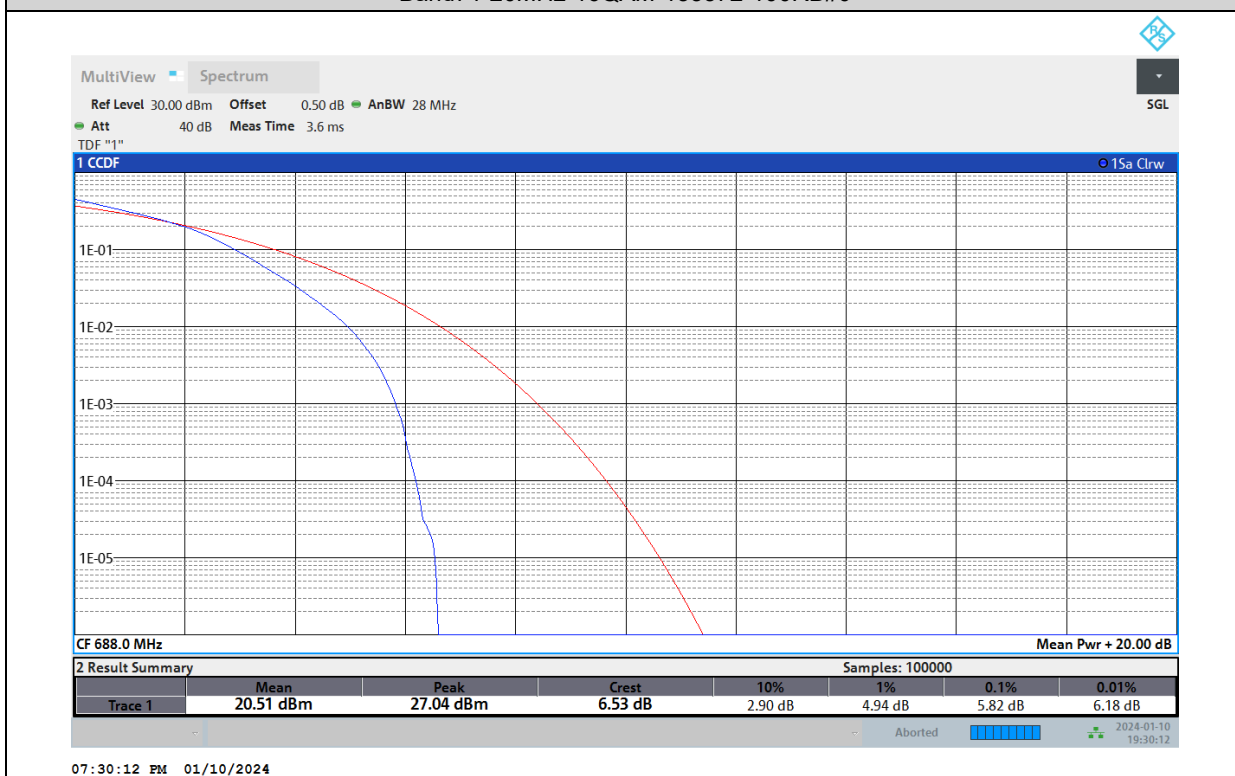
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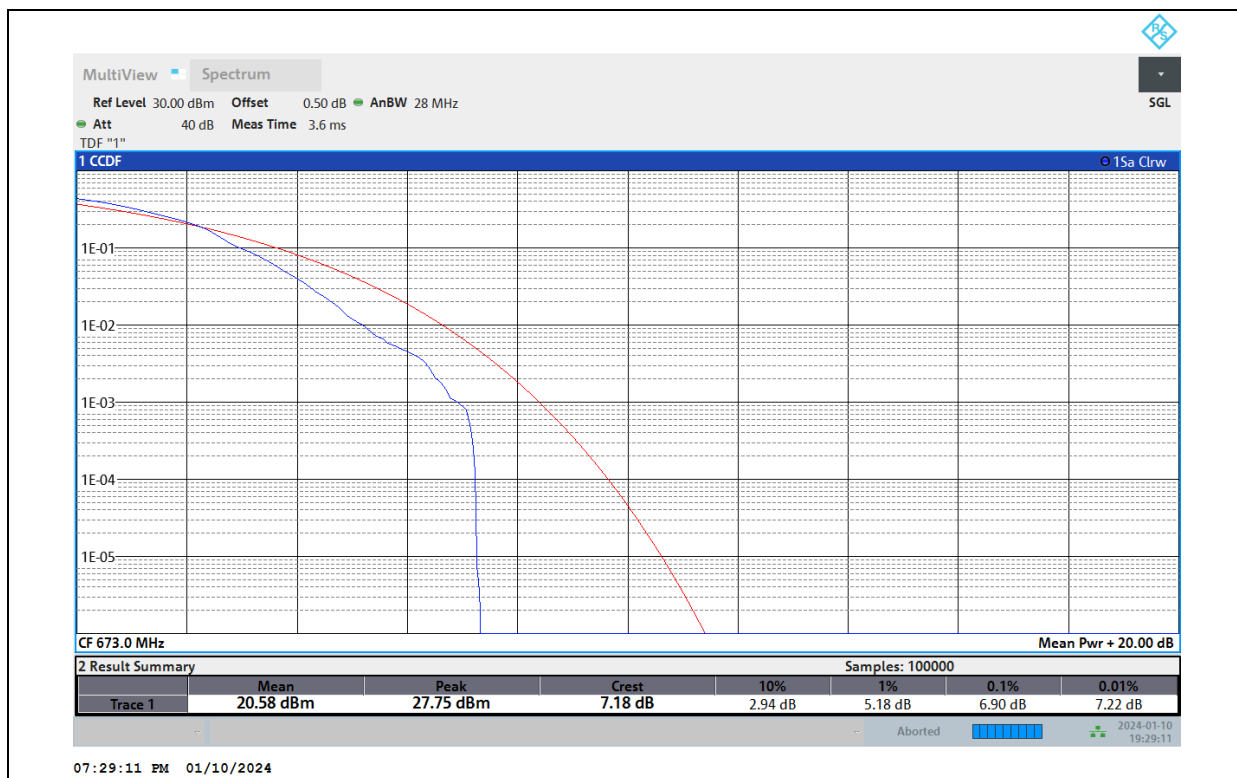
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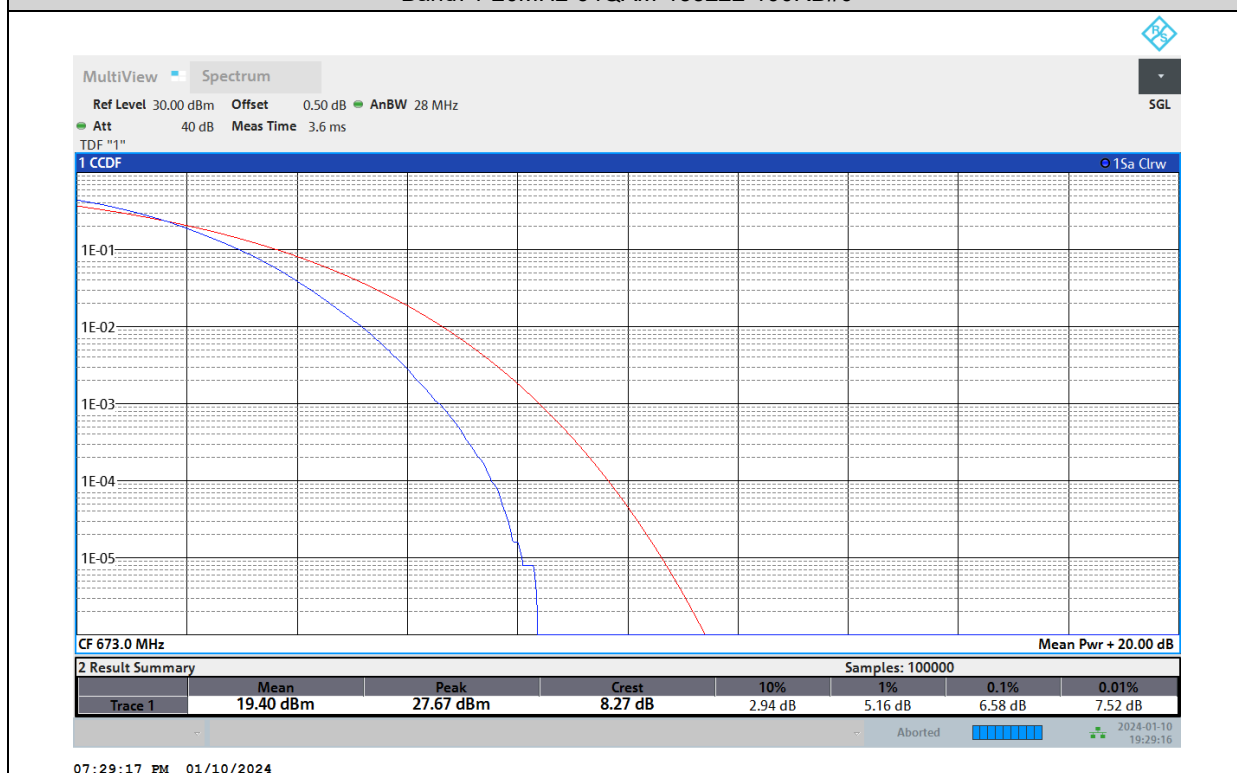
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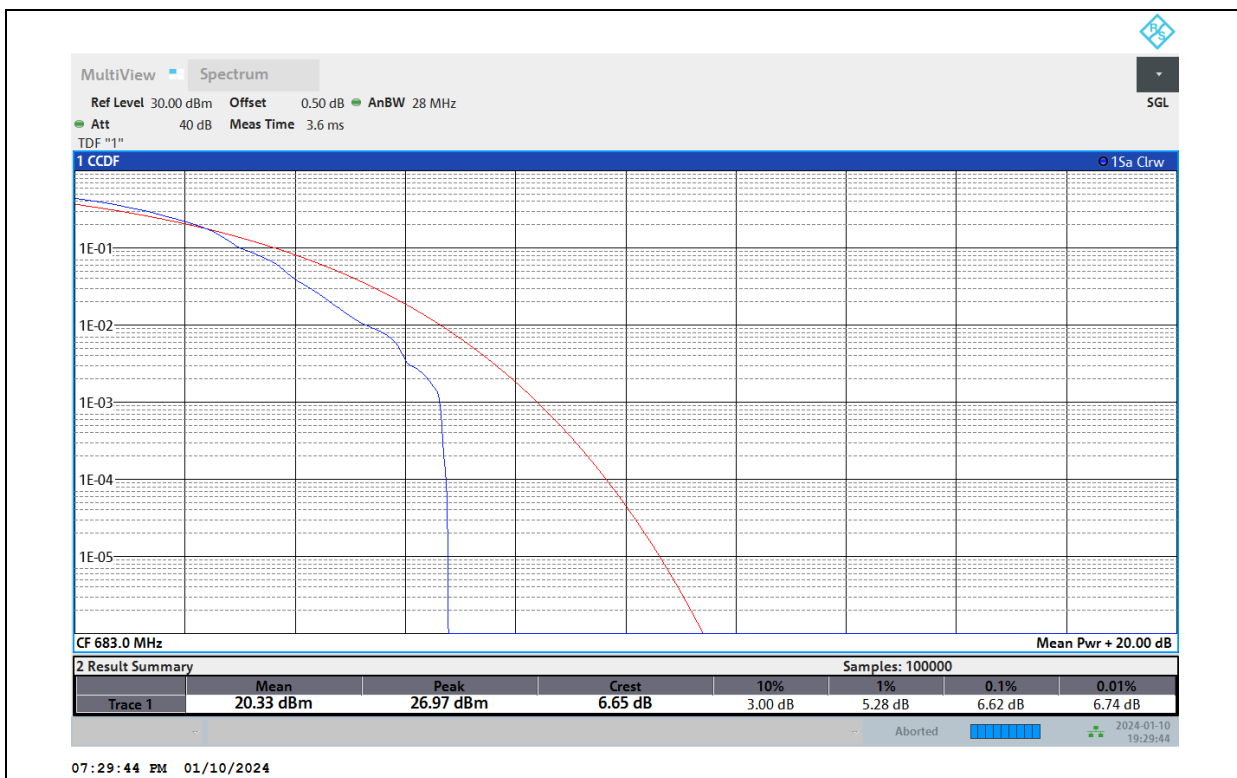
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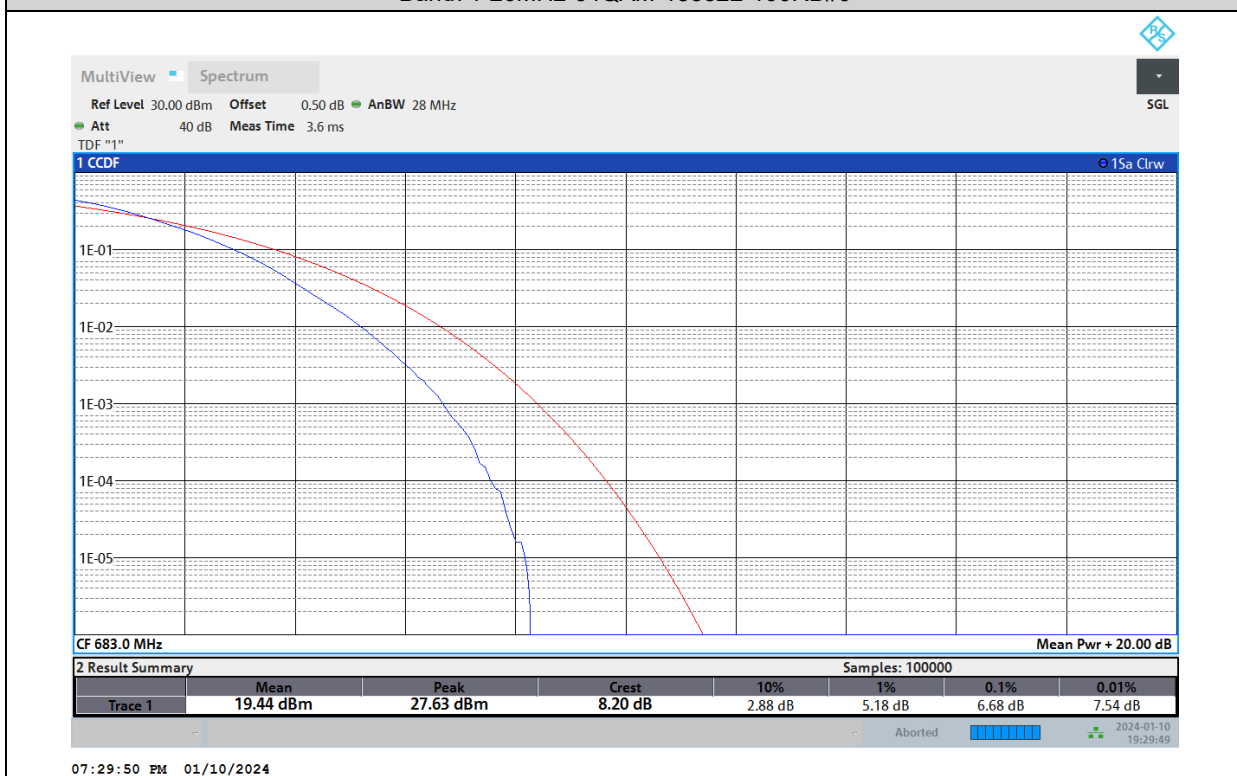
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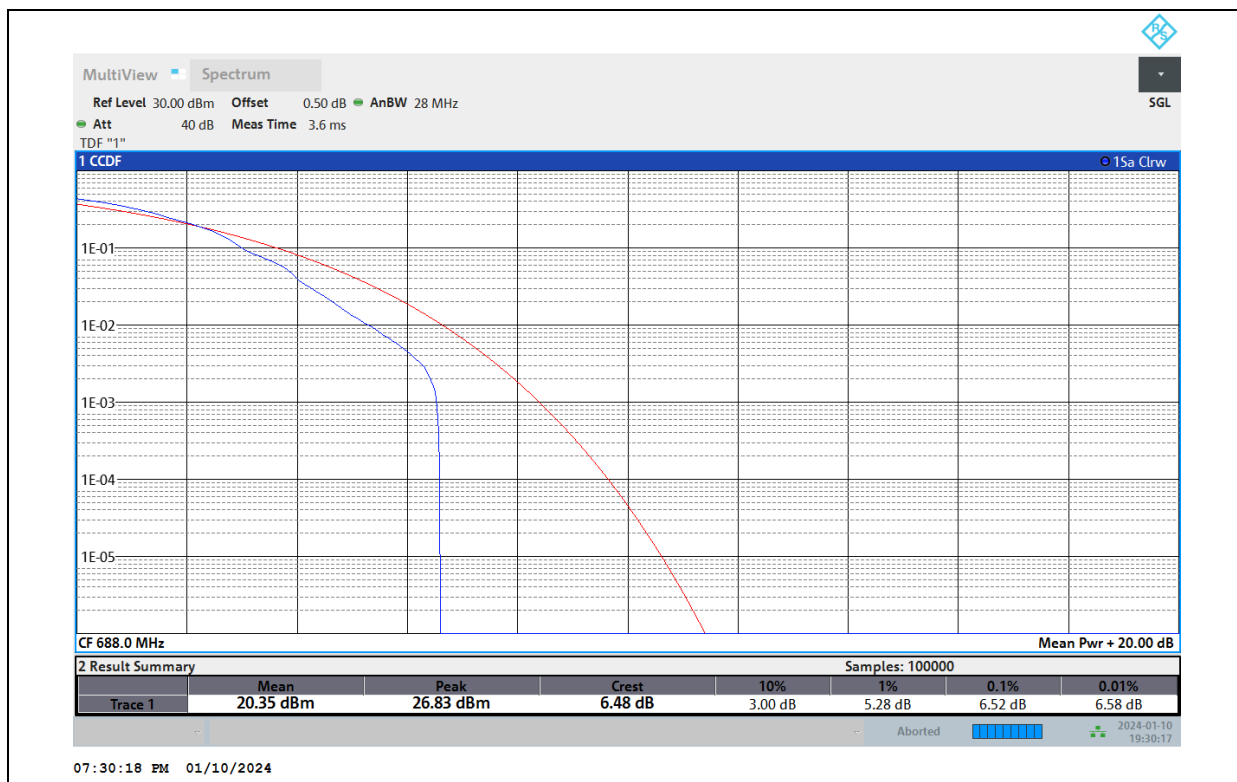
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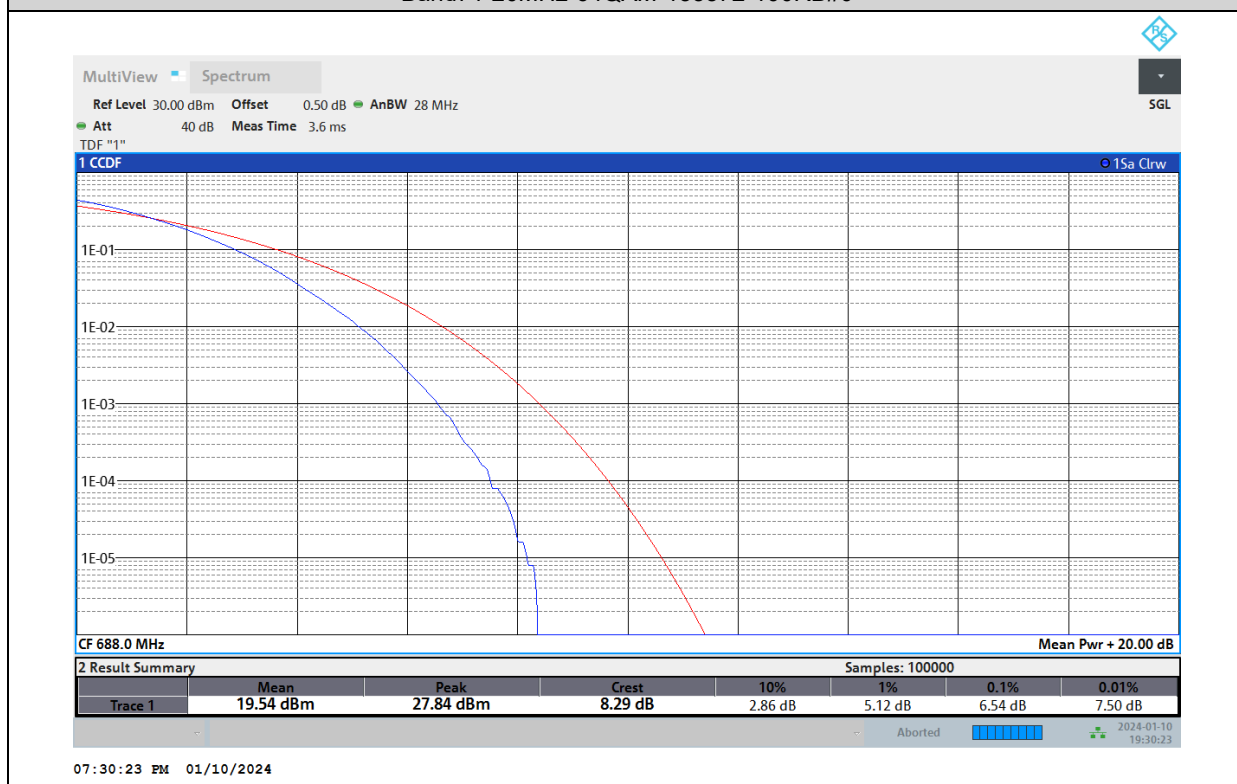
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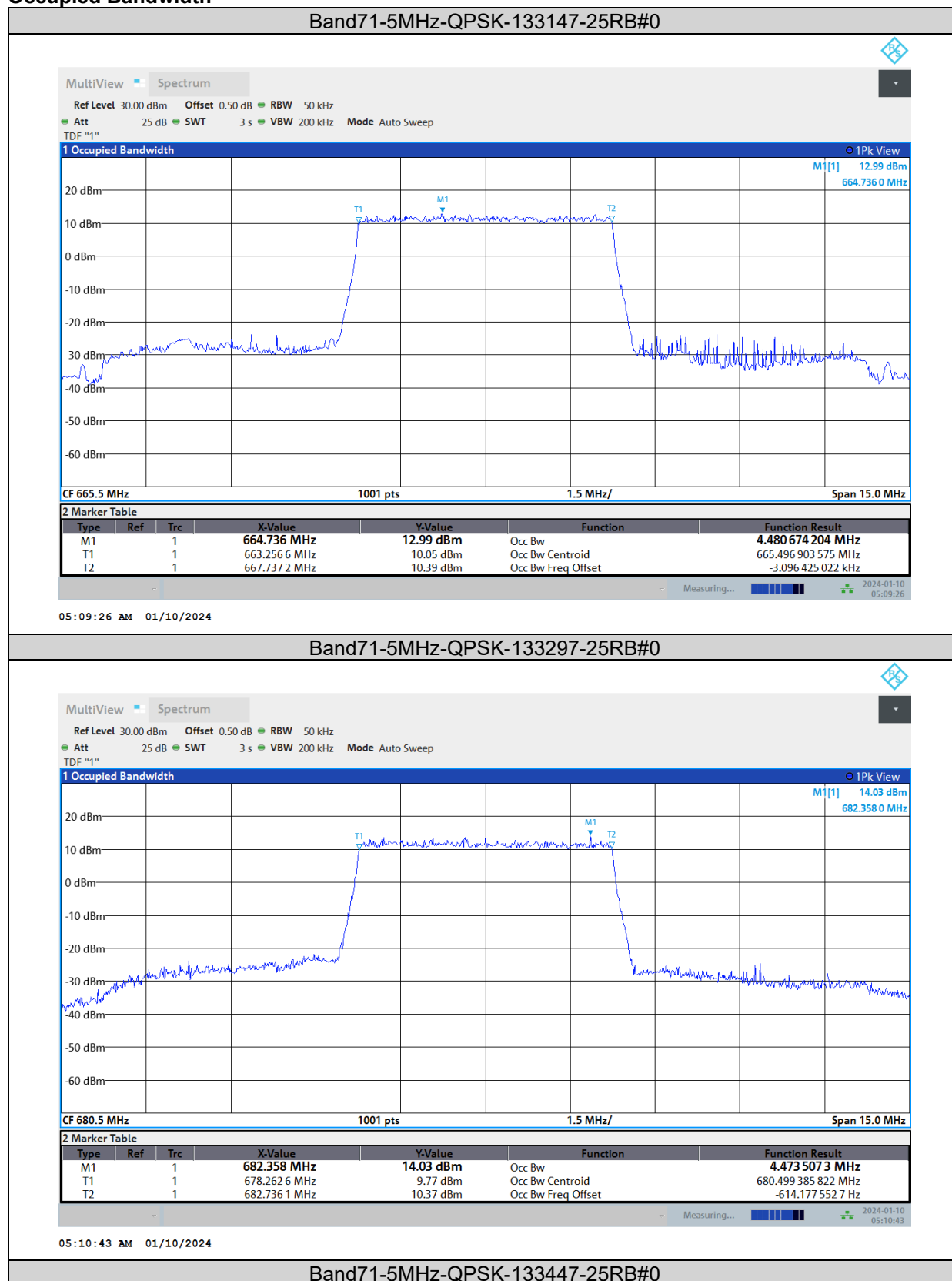
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

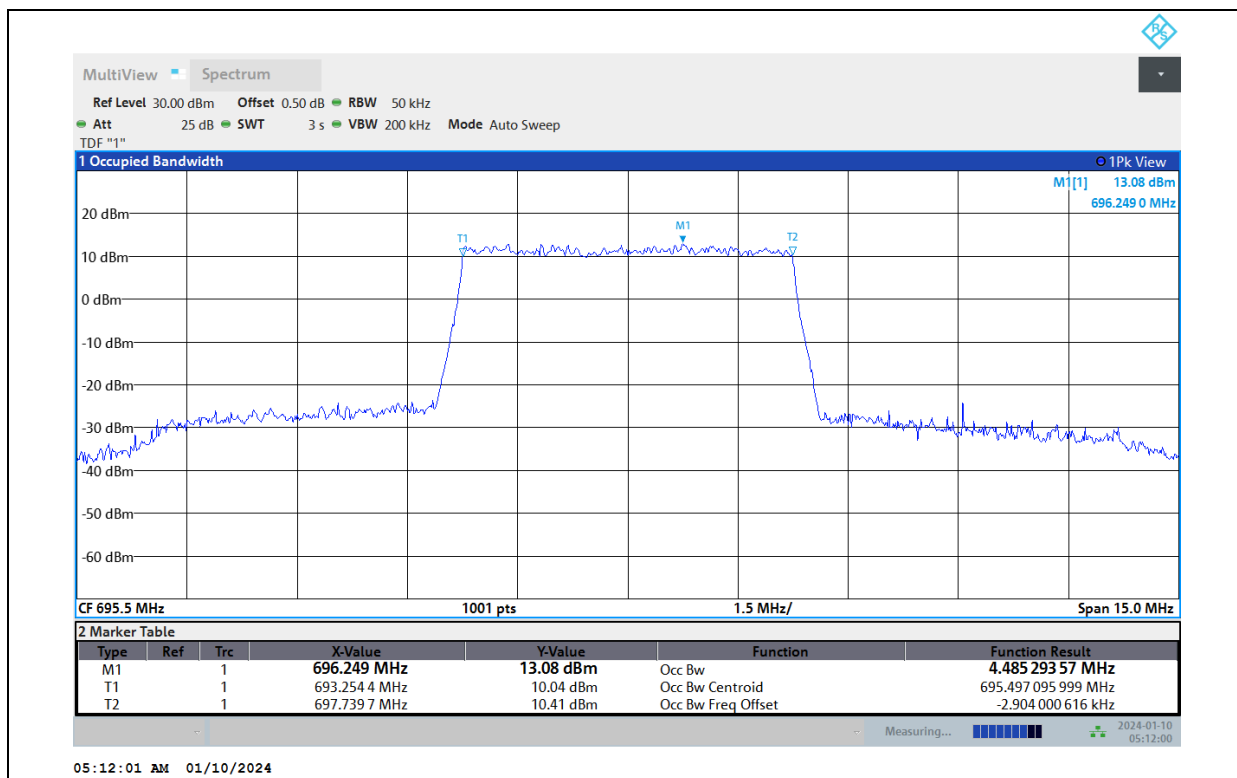
TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.481	4.86	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.474	4.86	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.485	4.88	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.486	4.87	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.478	4.92	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.479	4.84	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.475	4.90	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.478	4.87	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.480	4.88	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.946	9.74	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.933	9.62	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.932	9.68	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.936	9.62	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.932	9.59	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.937	9.65	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.931	9.62	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.924	9.62	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.937	9.62	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.453	14.65	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.355	14.56	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.418	14.65	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.435	14.52	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.413	14.56	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.436	14.52	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.391	14.52	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.417	14.56	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.450	14.48	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.845	19.00	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.843	19.12	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.909	19.30	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.867	19.06	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.851	19.18	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.872	19.30	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.839	19.12	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.858	19.06	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.853	19.18	PASS

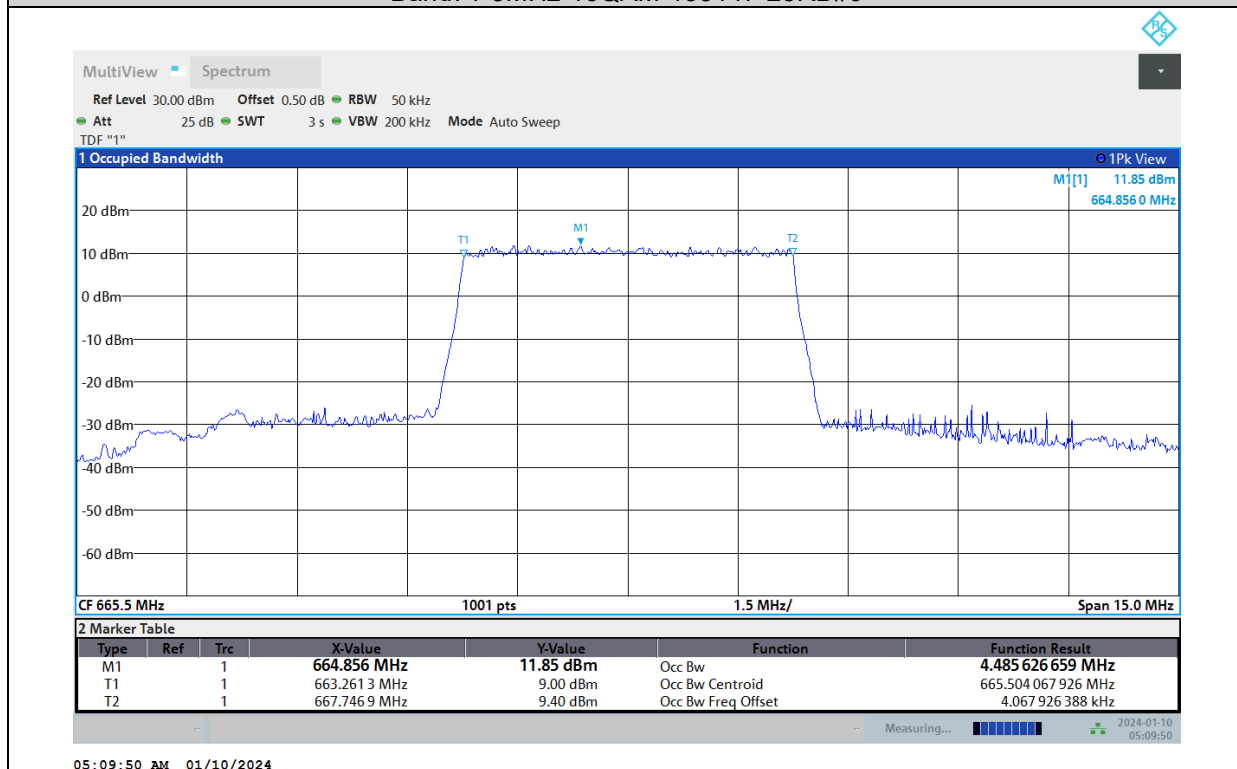
Test Graphs

Occupied Bandwidth

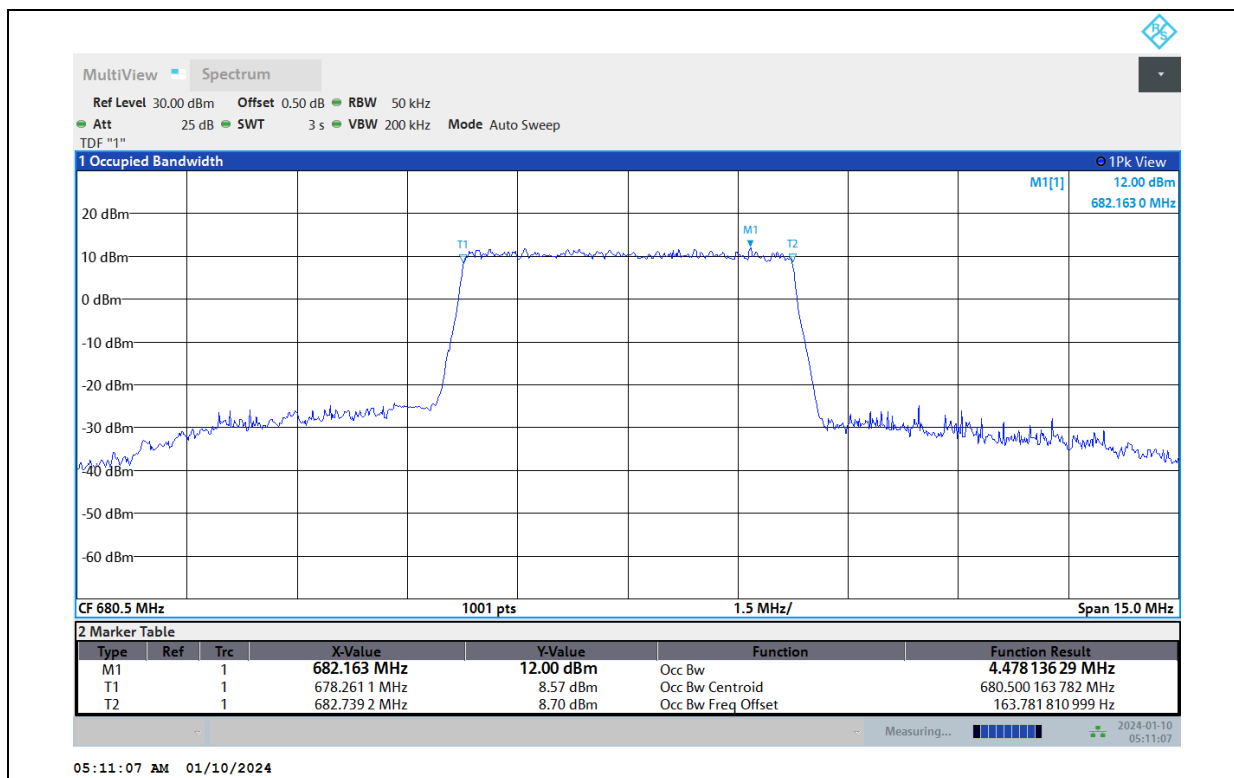




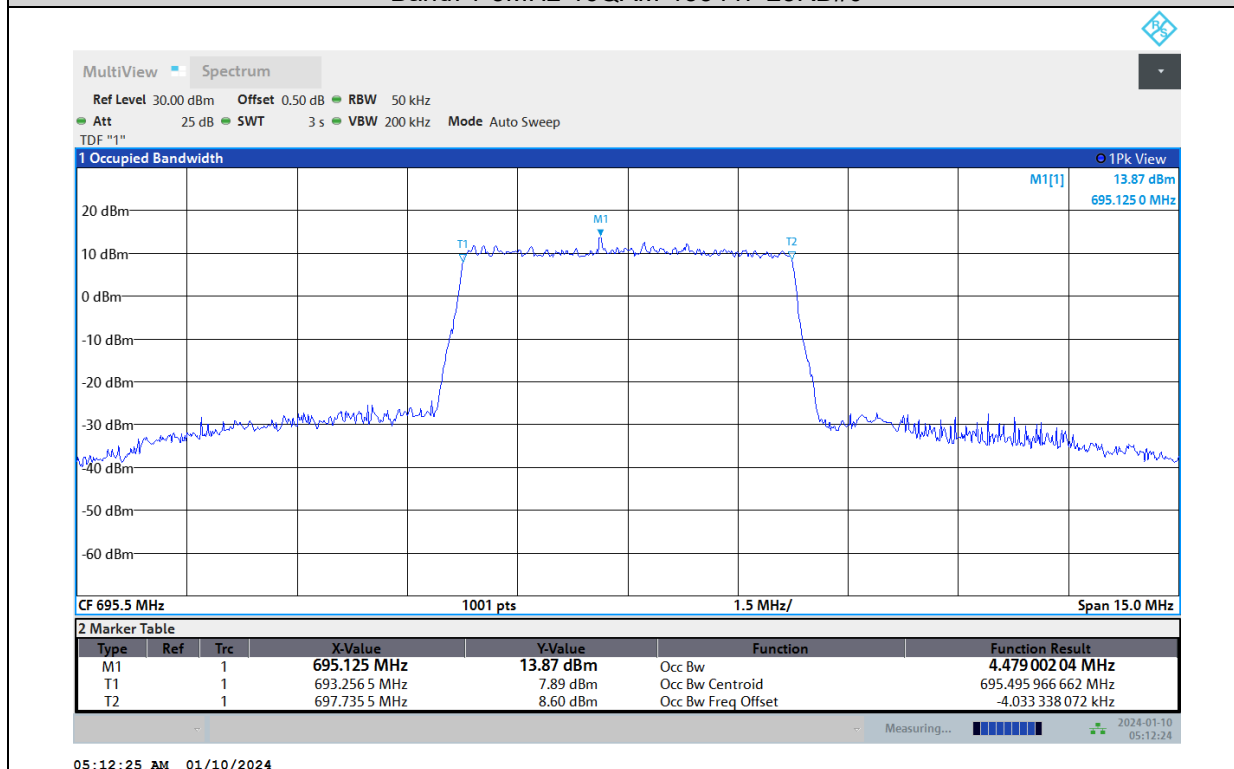
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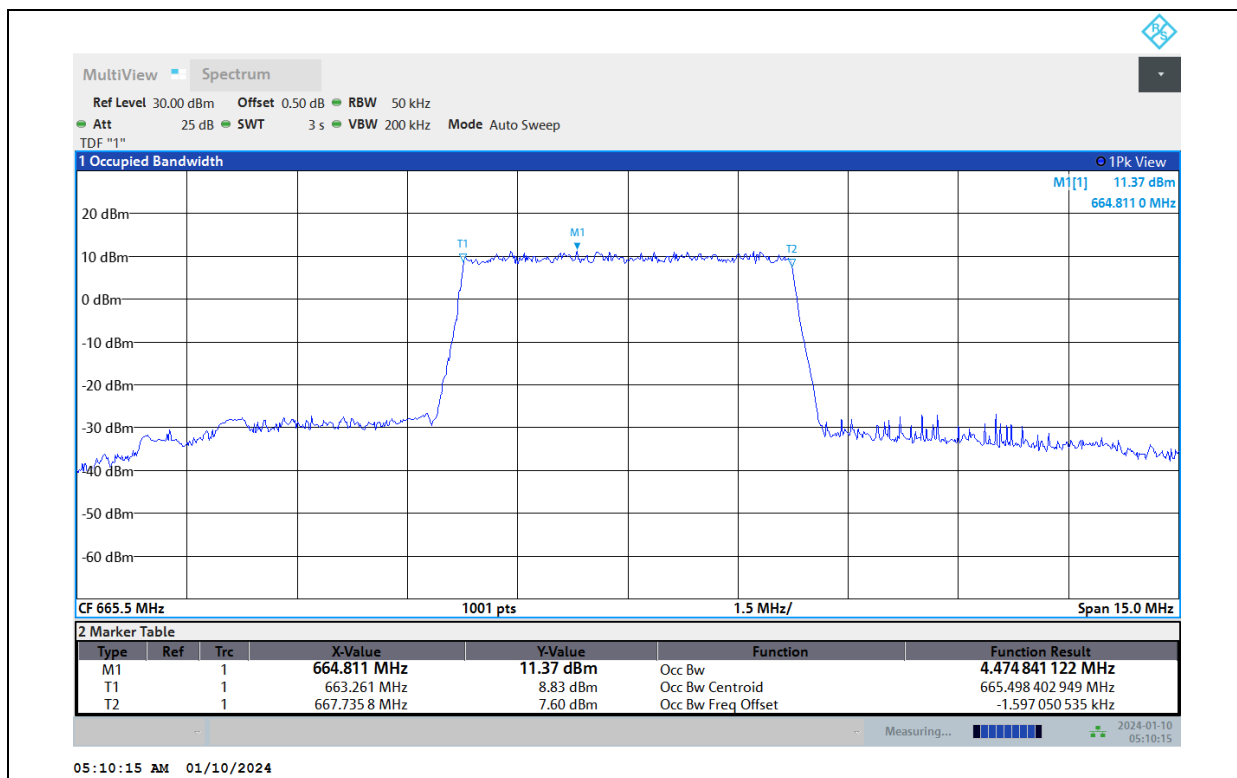
Band71-5MHz-16QAM-133297-25RB#0



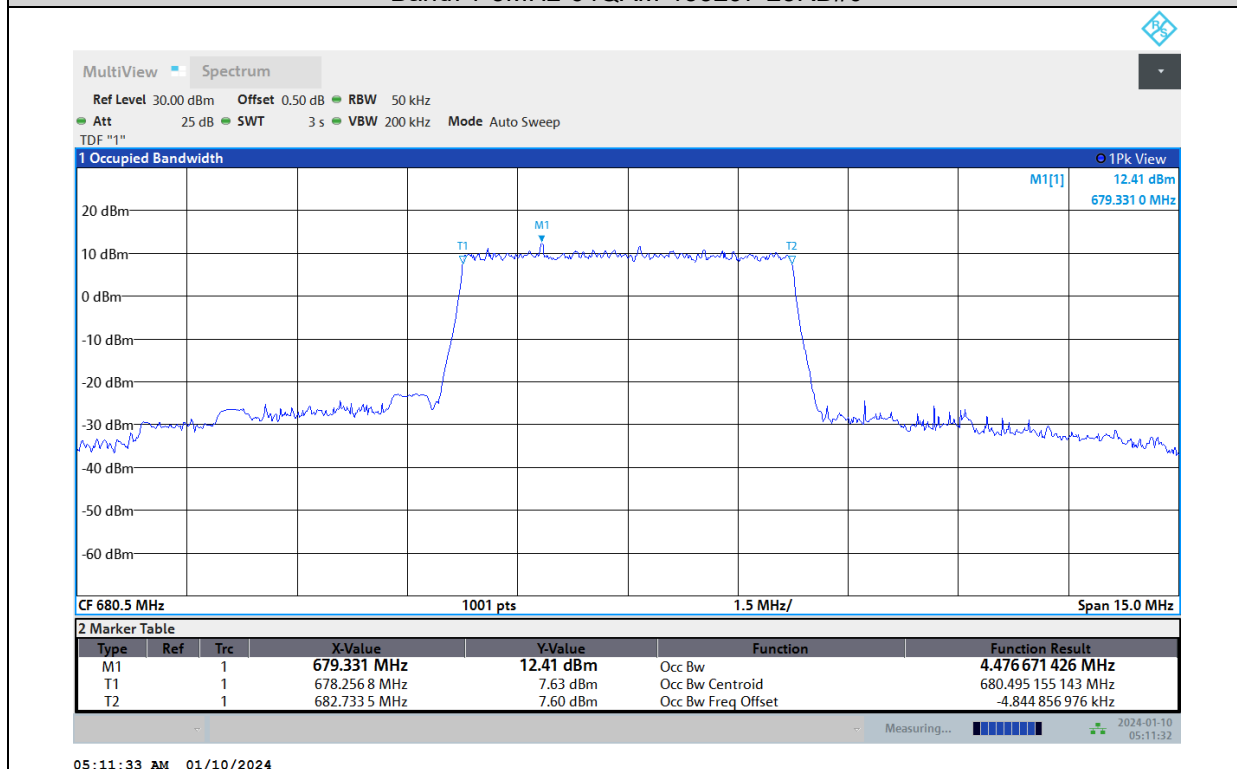
Band71-5MHz-16QAM-133447-25RB#0



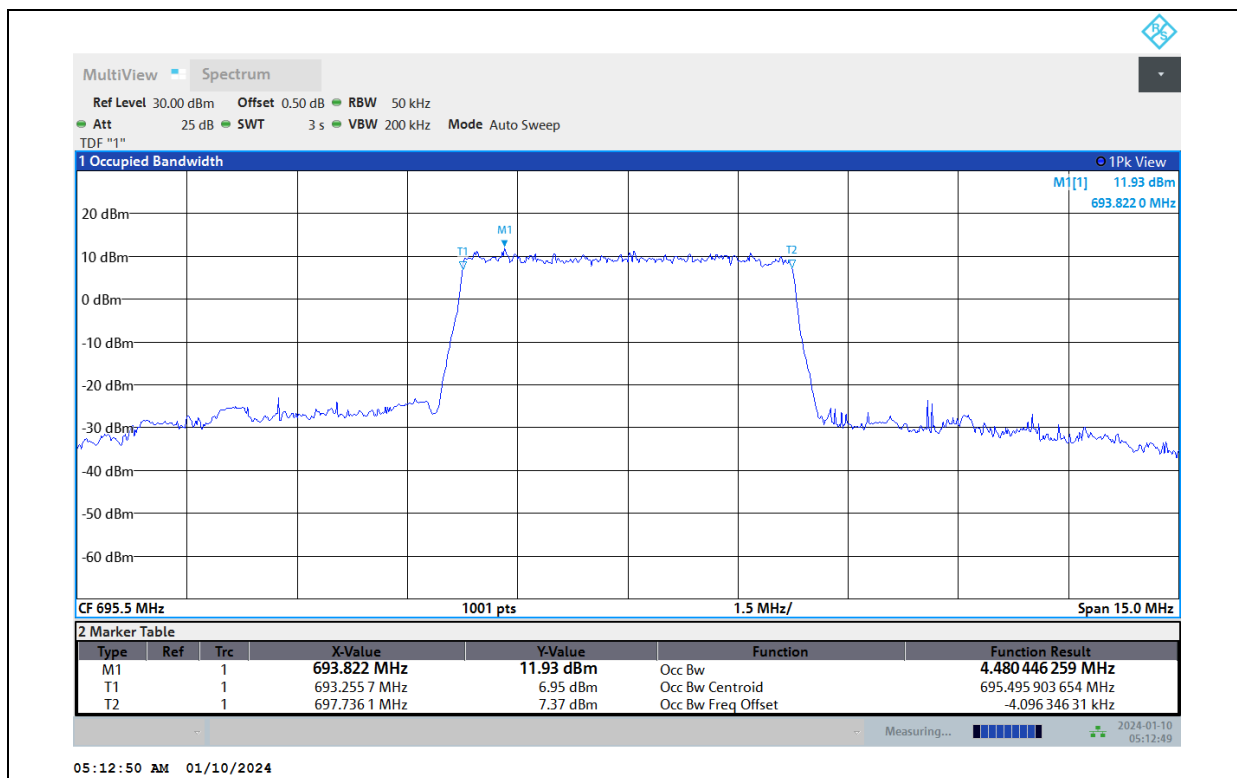
Band71-5MHz-64QAM-133147-25RB#0



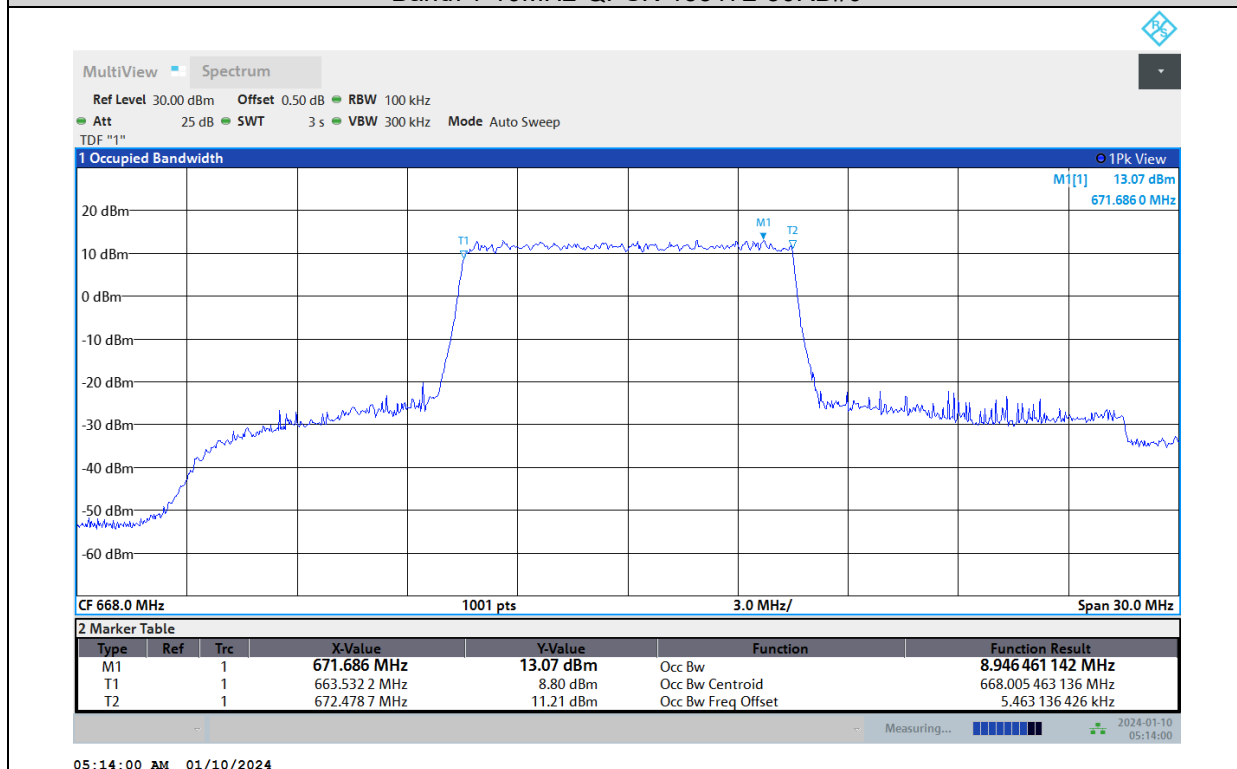
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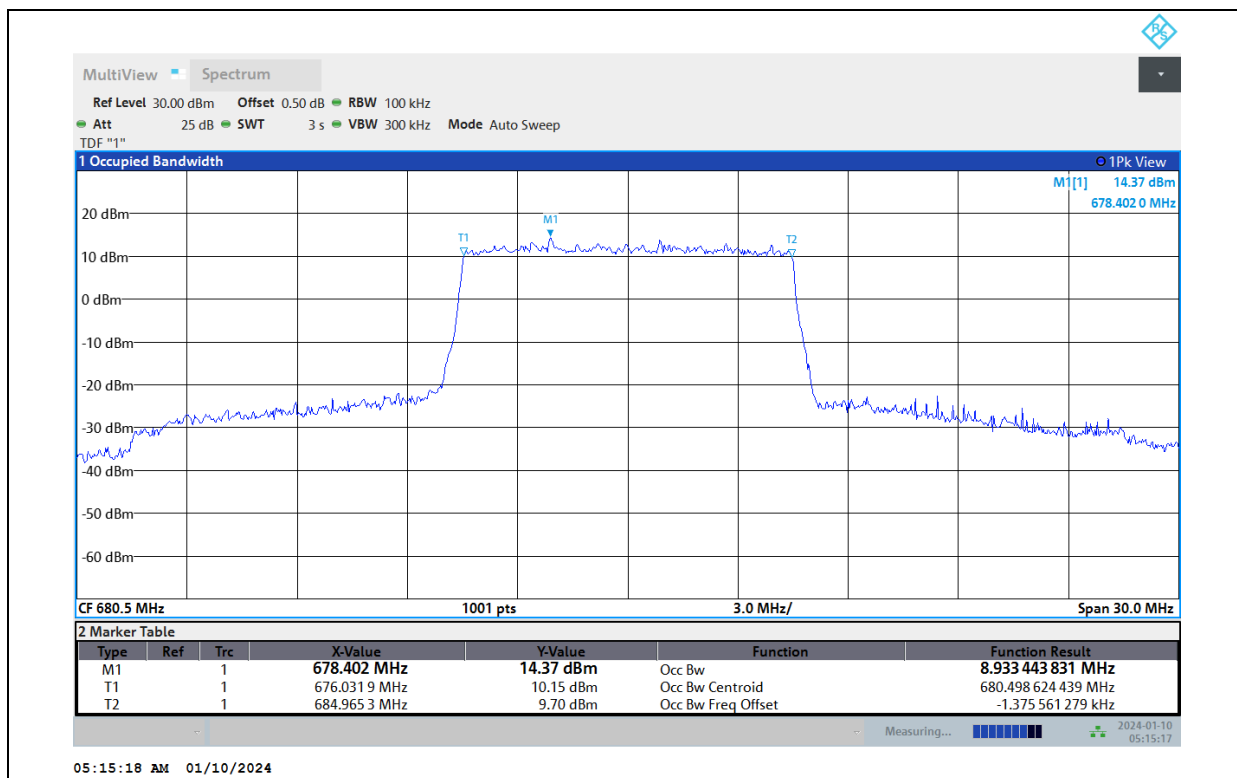
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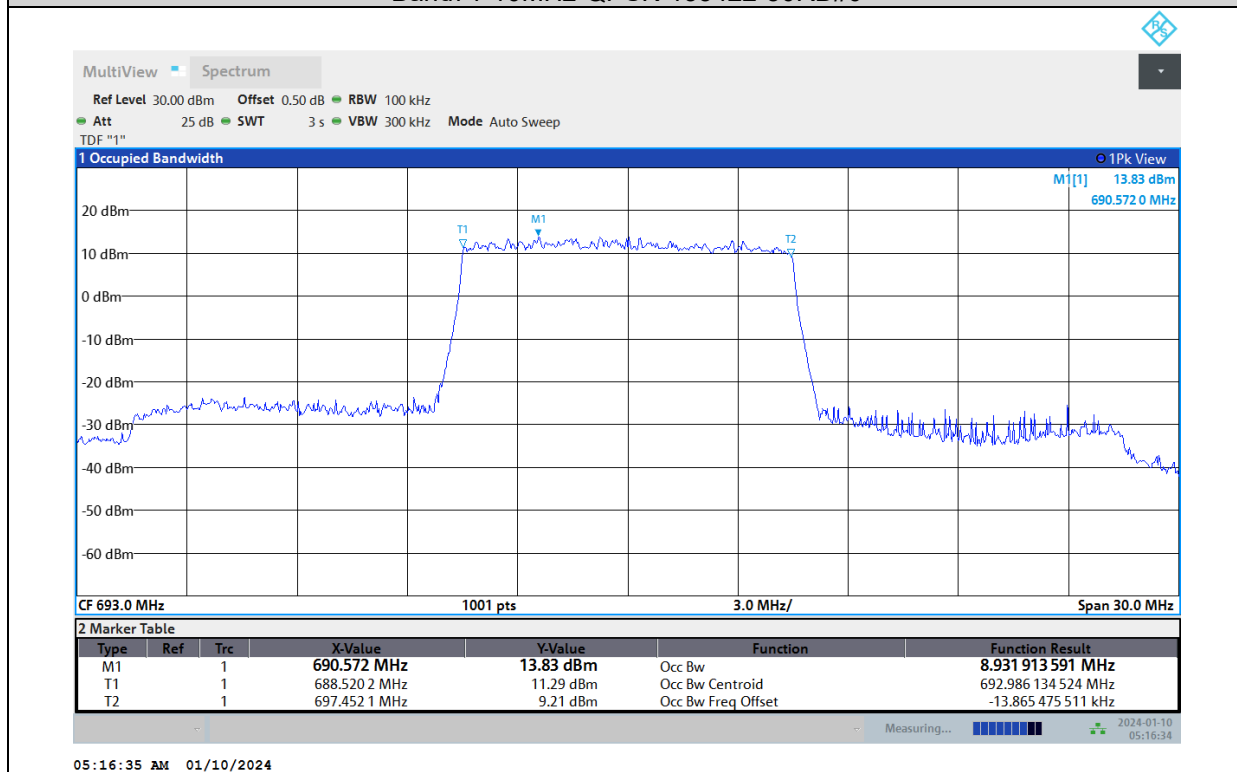
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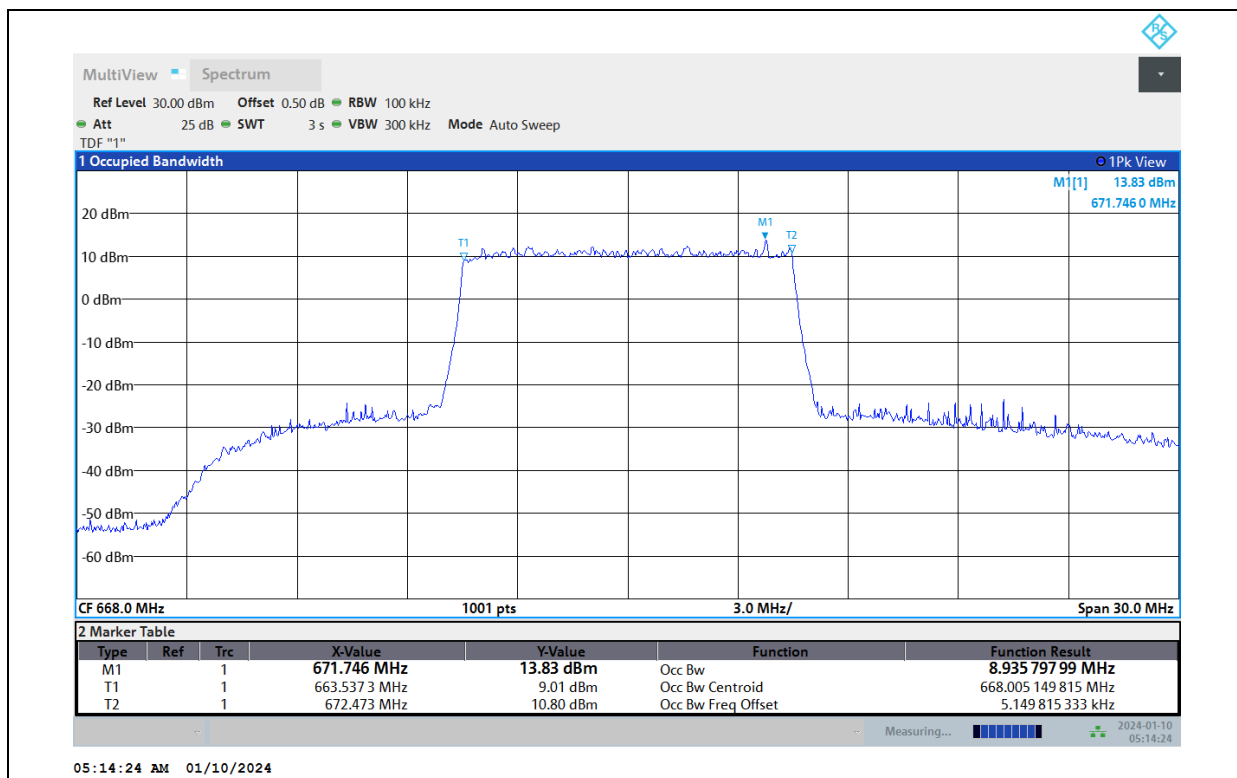
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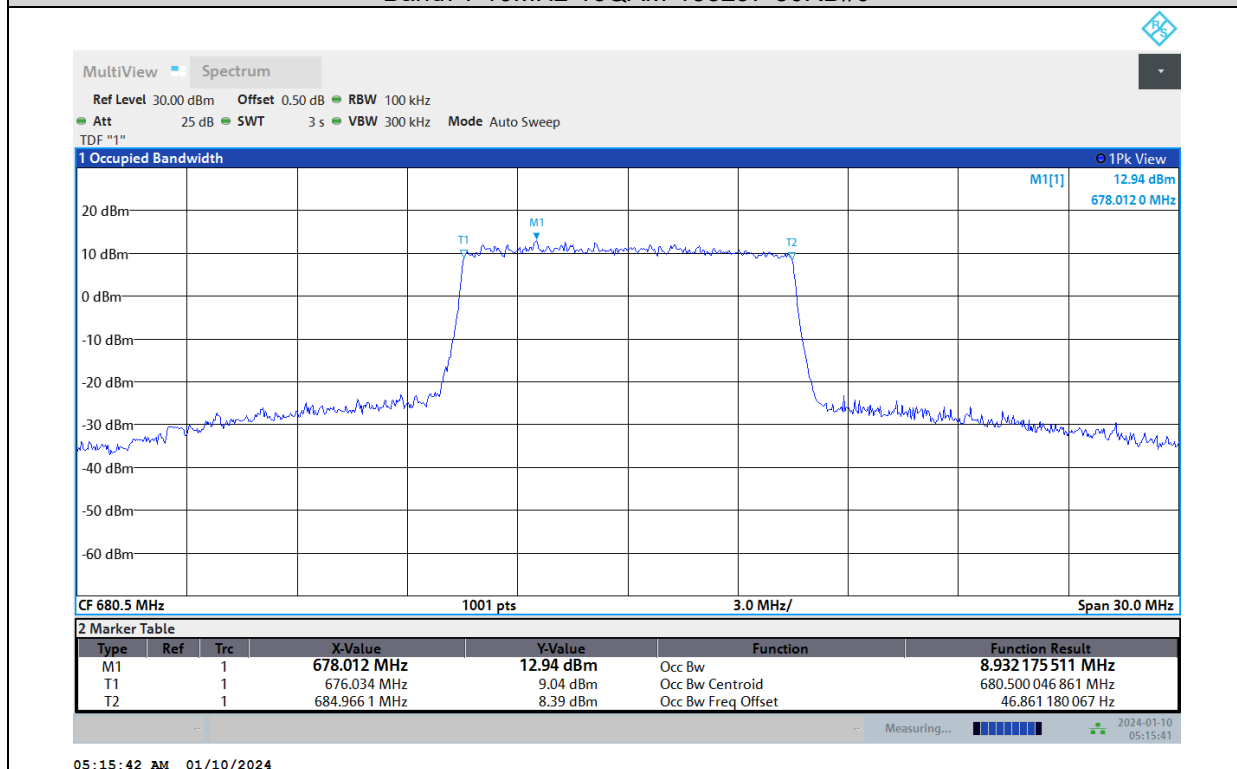
Band71-10MHz-QPSK-133422-50RB#0



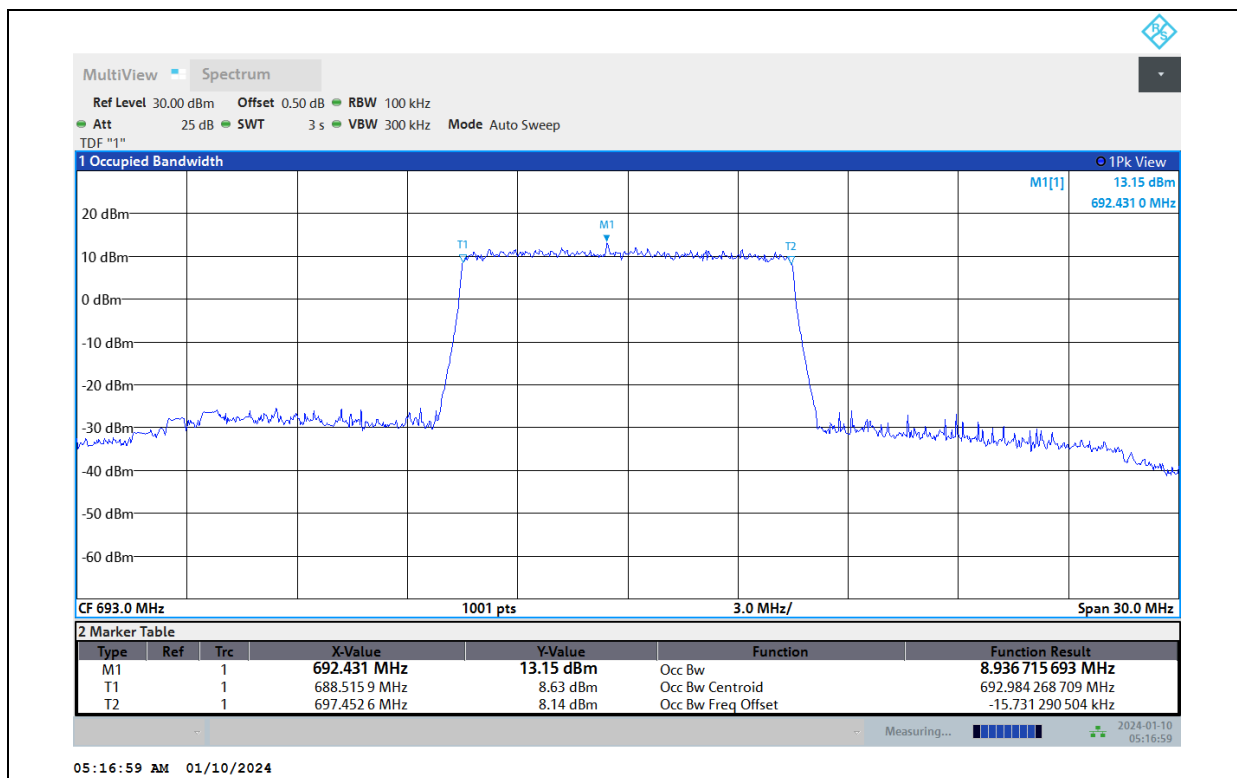
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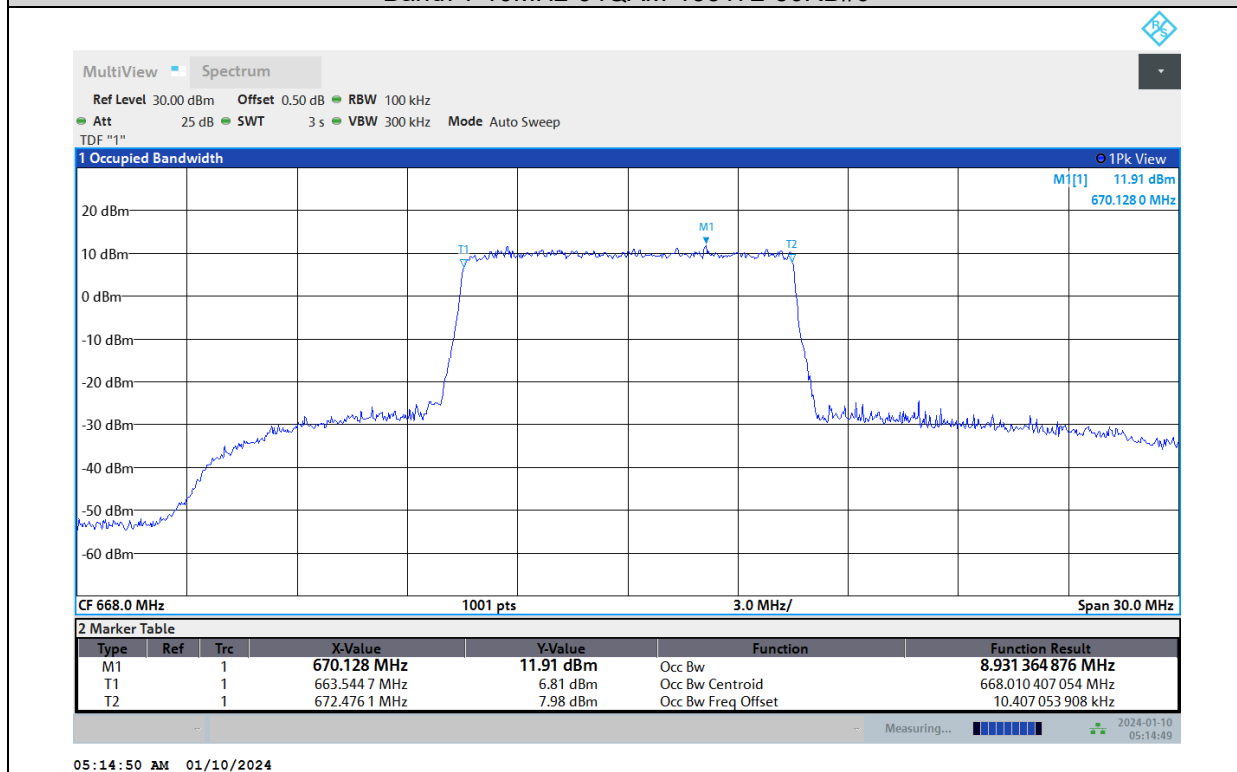
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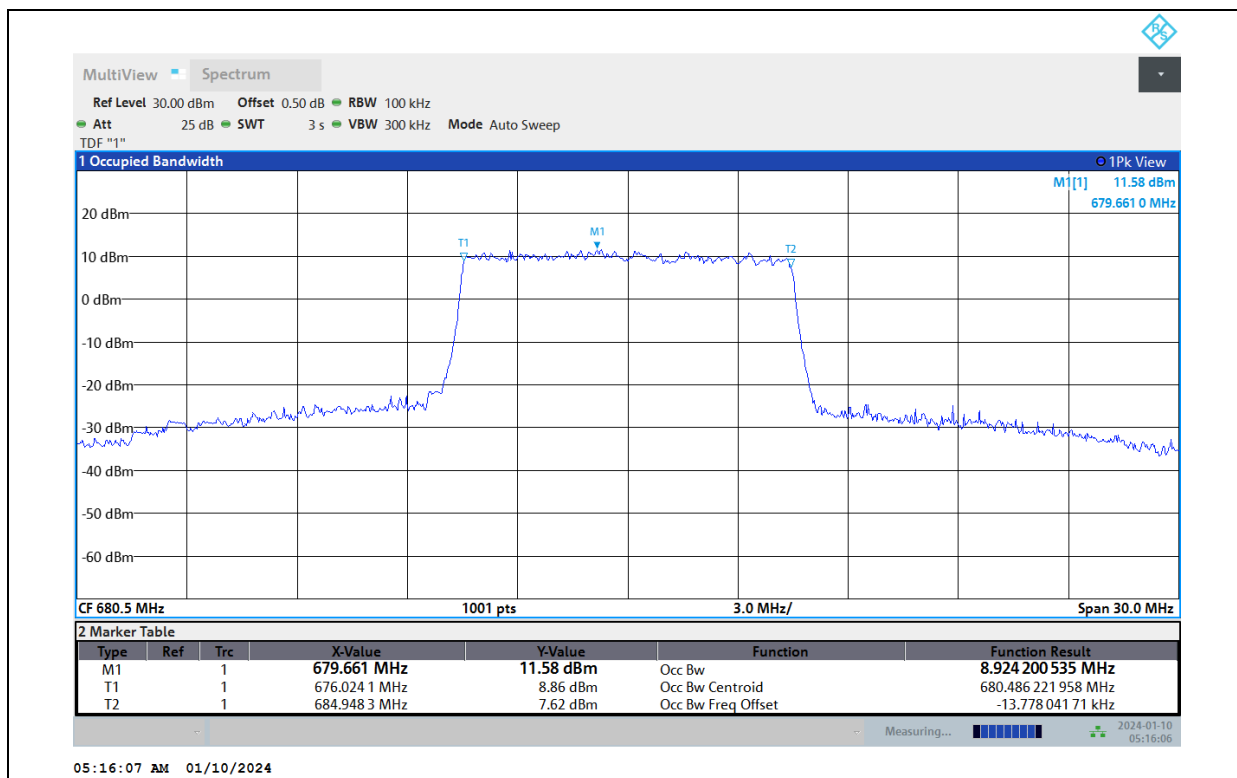
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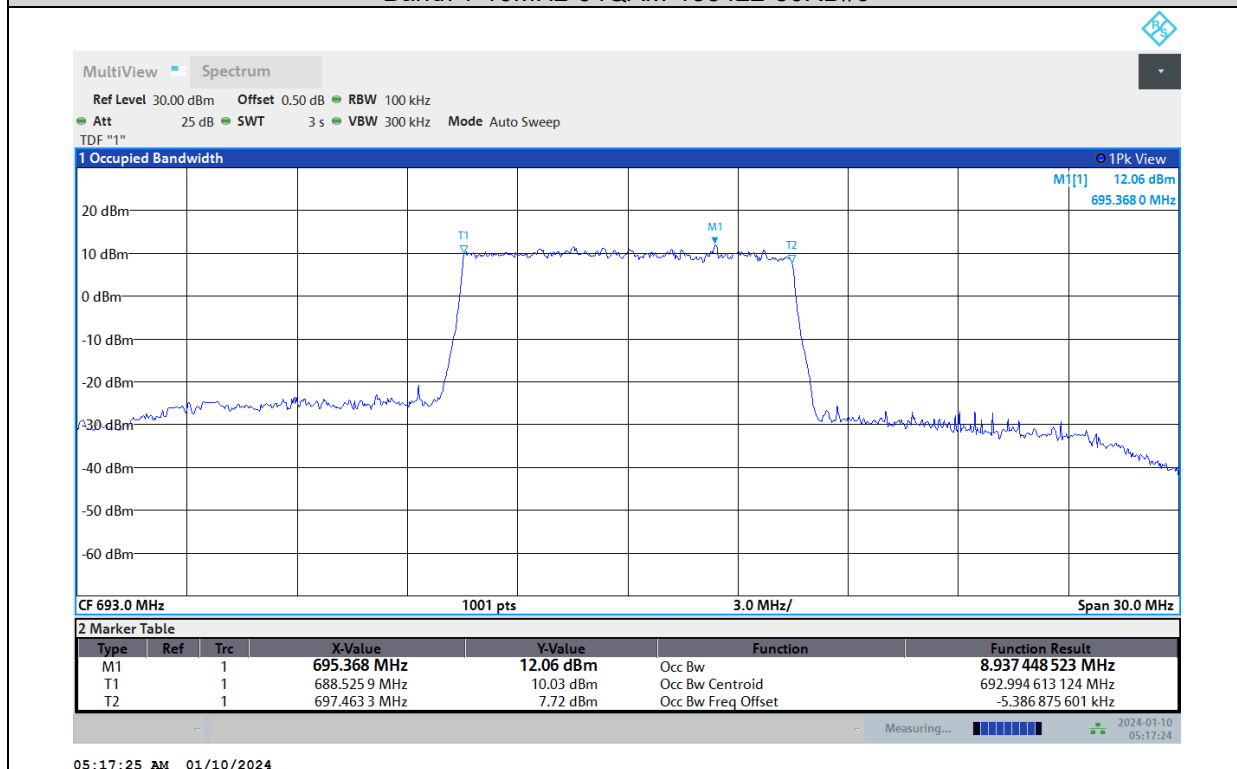
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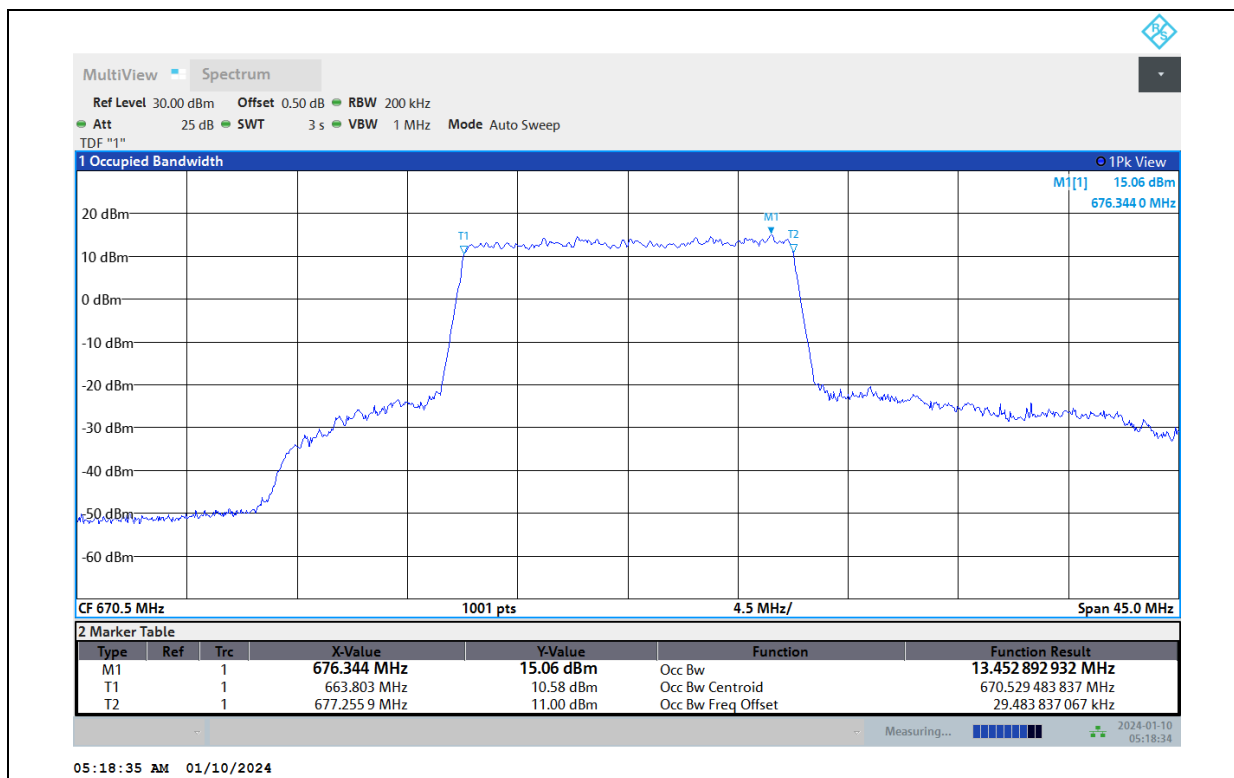
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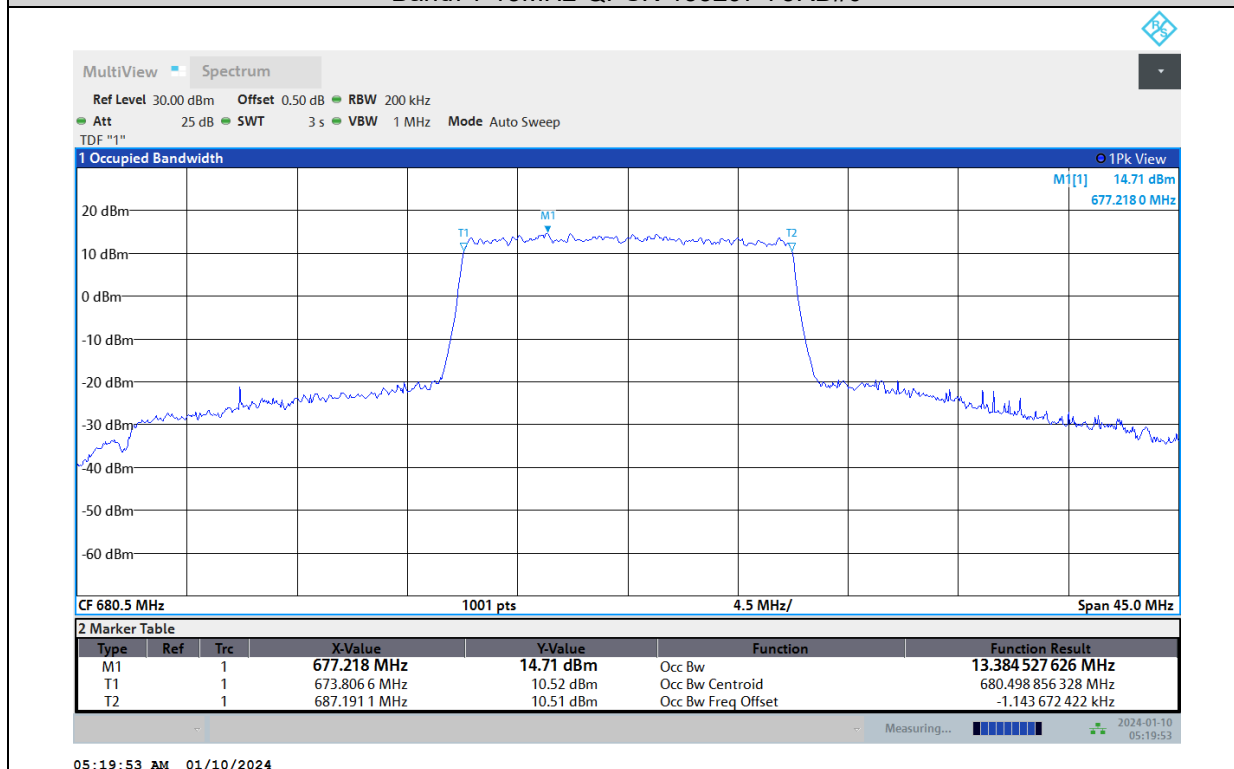
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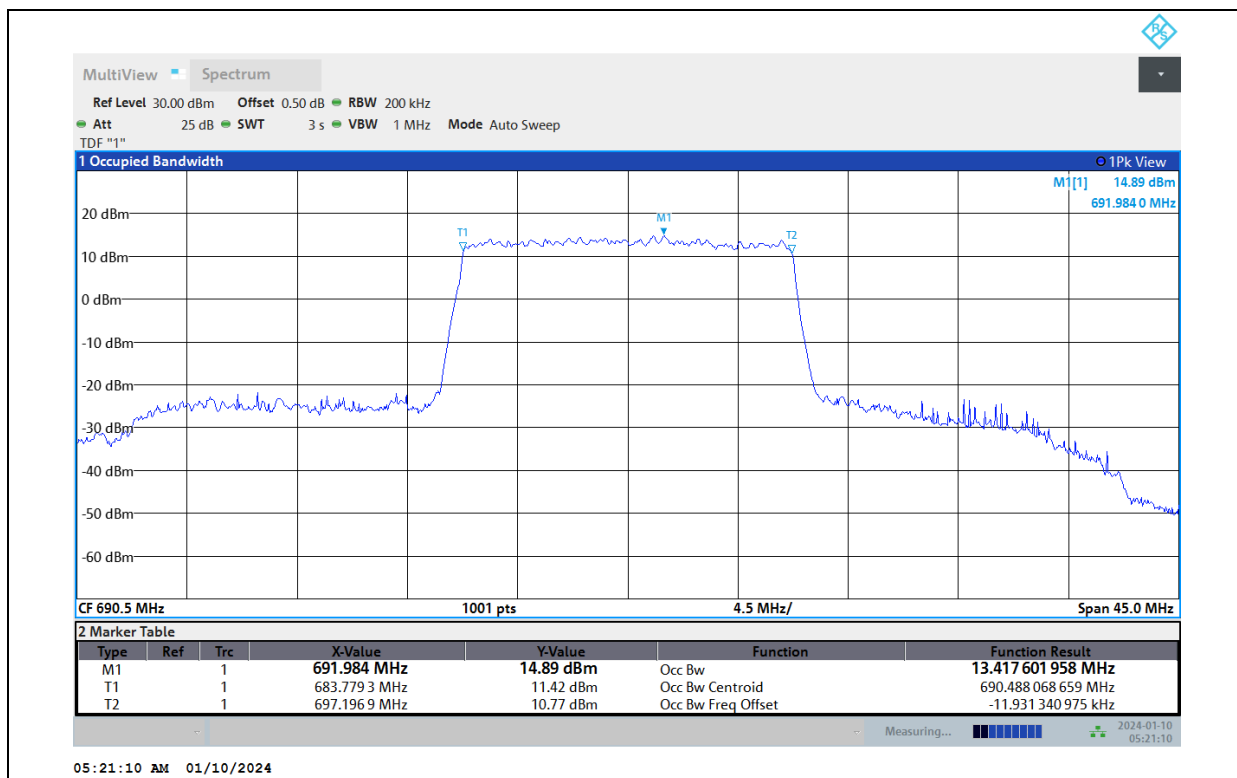
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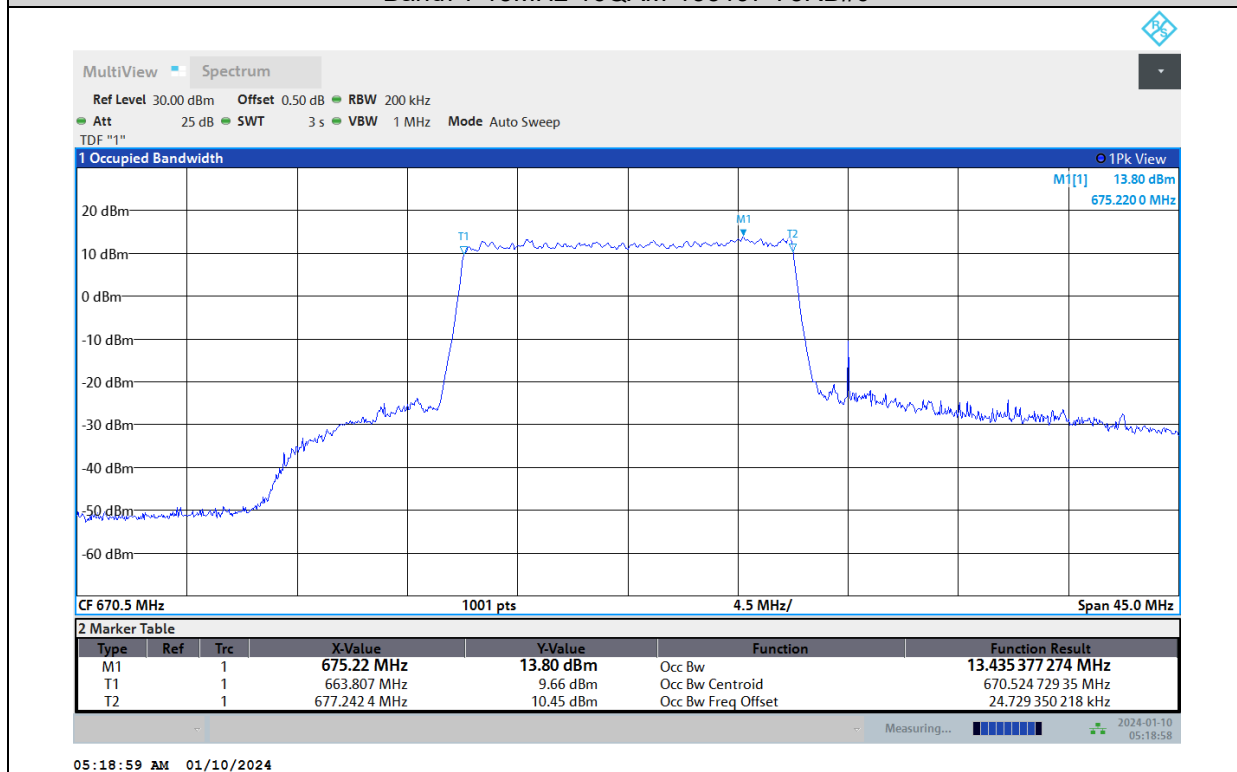
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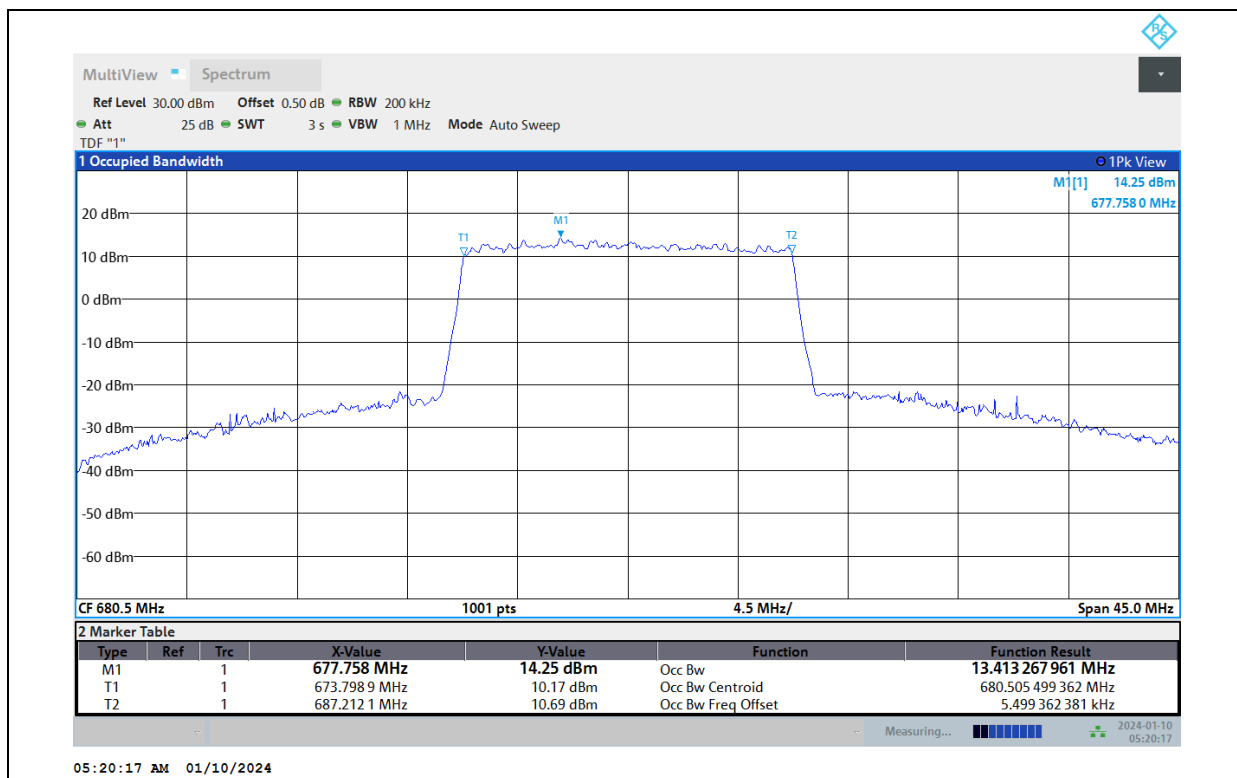
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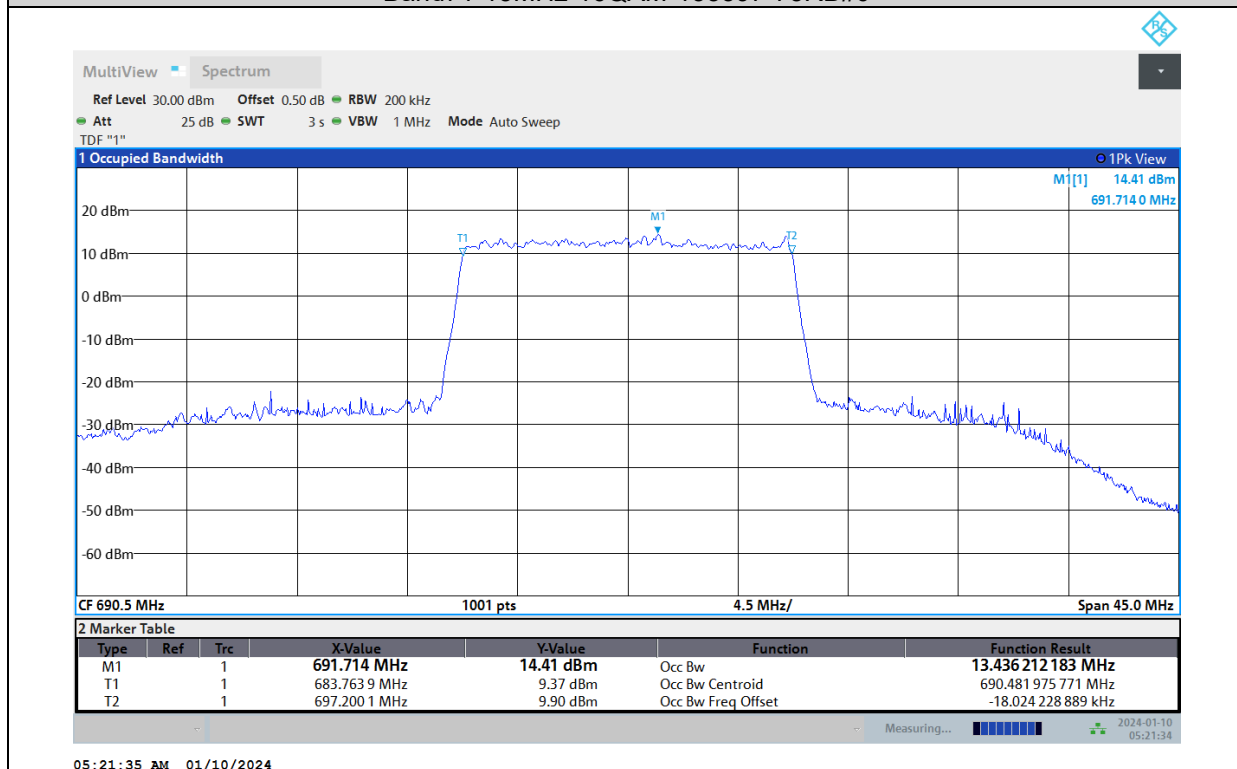
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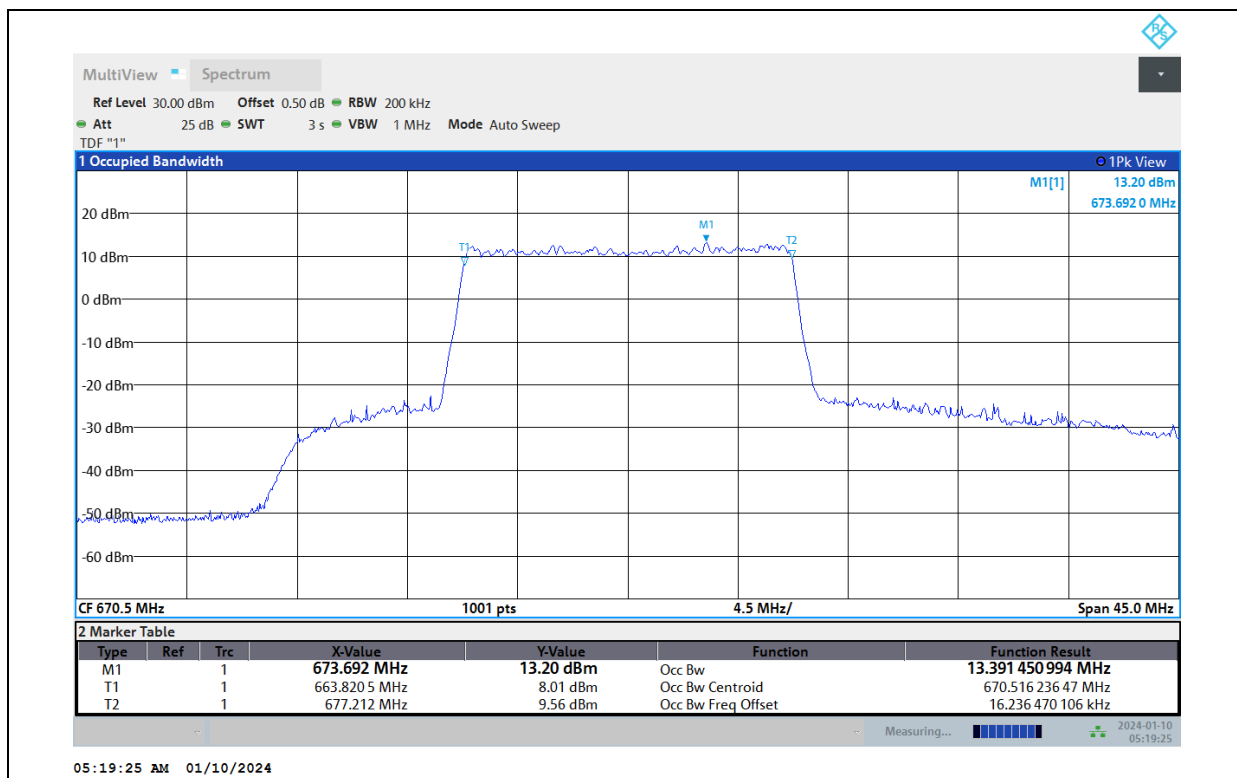
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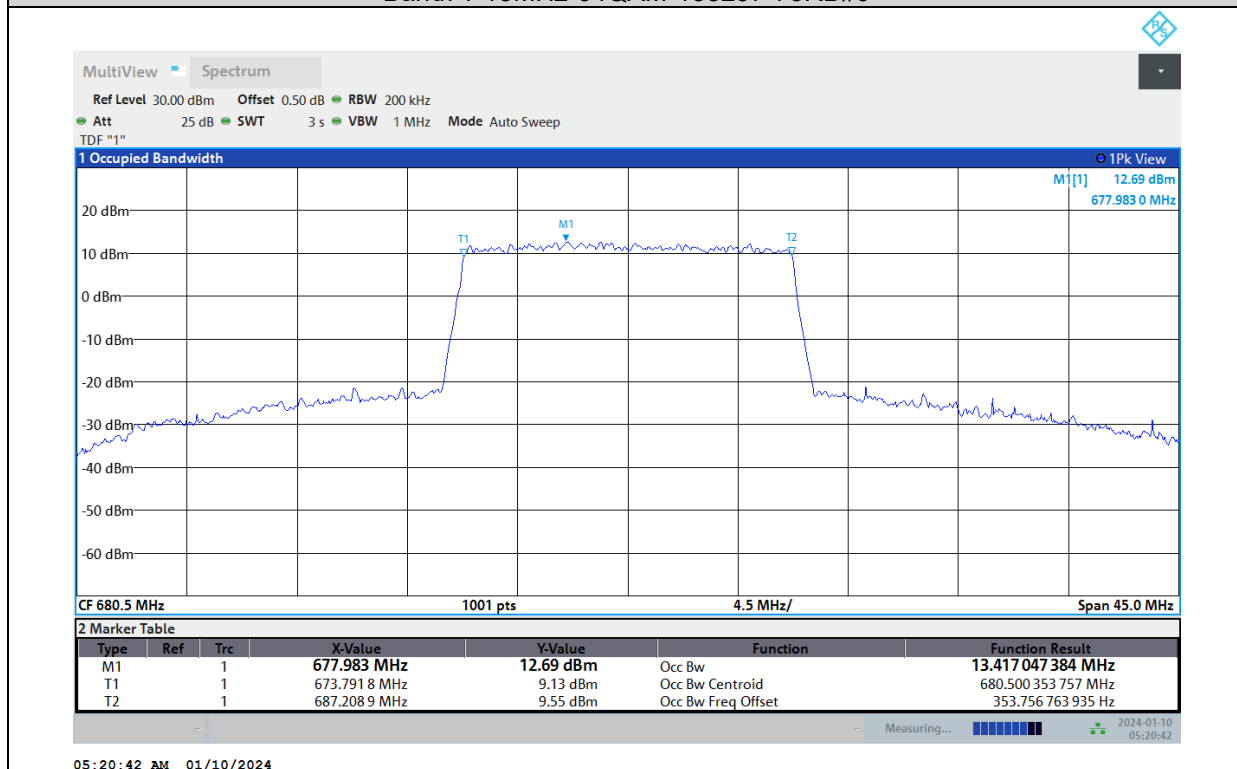
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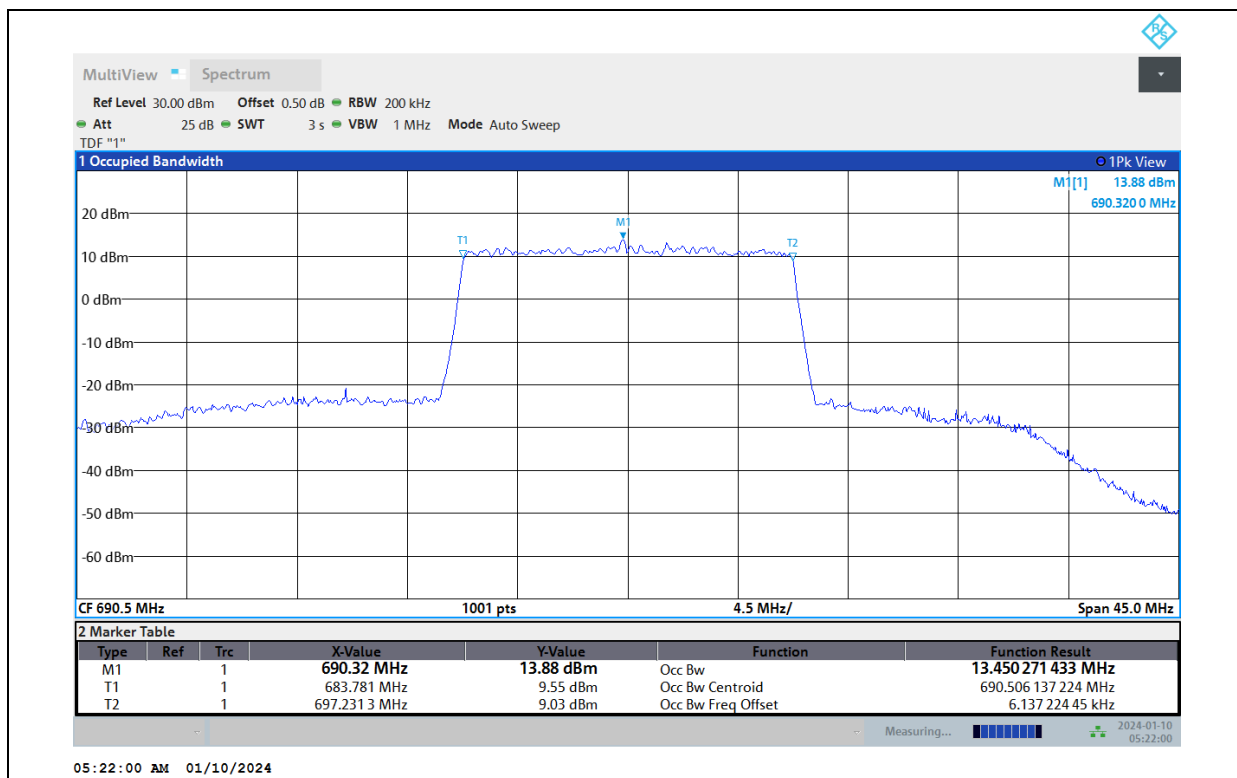
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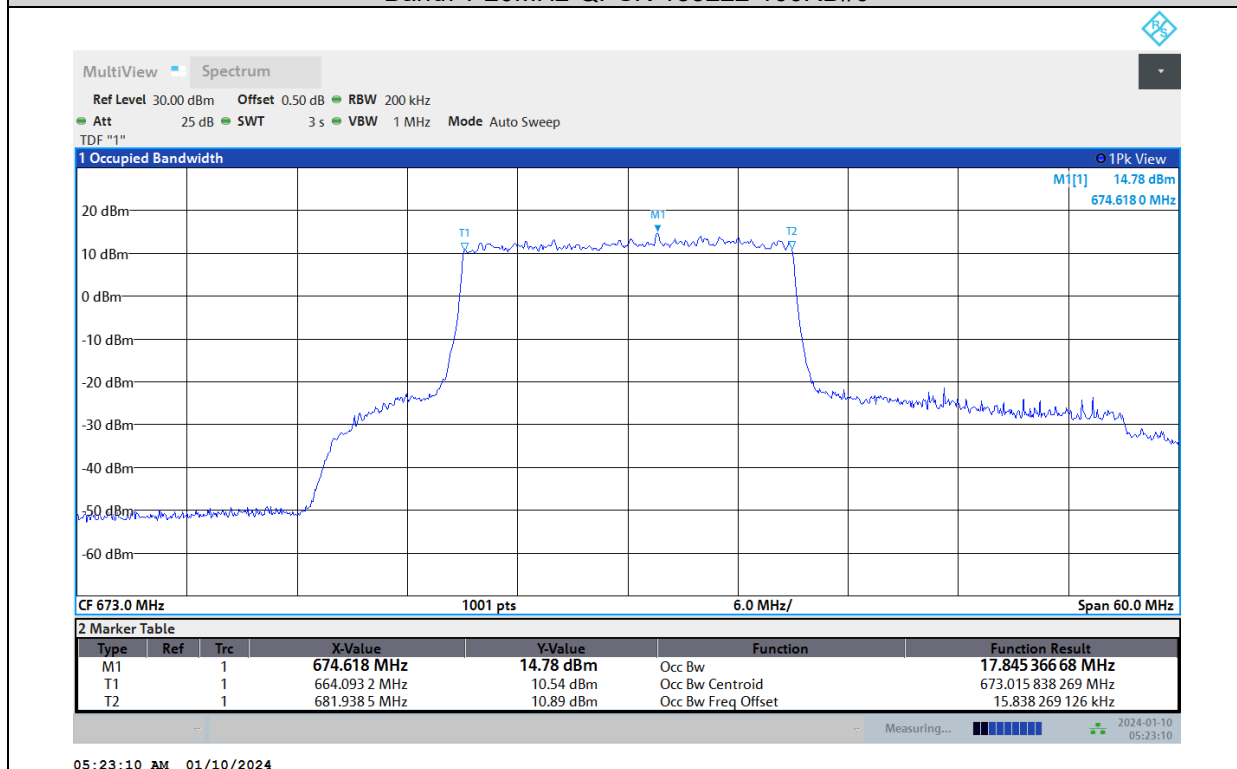
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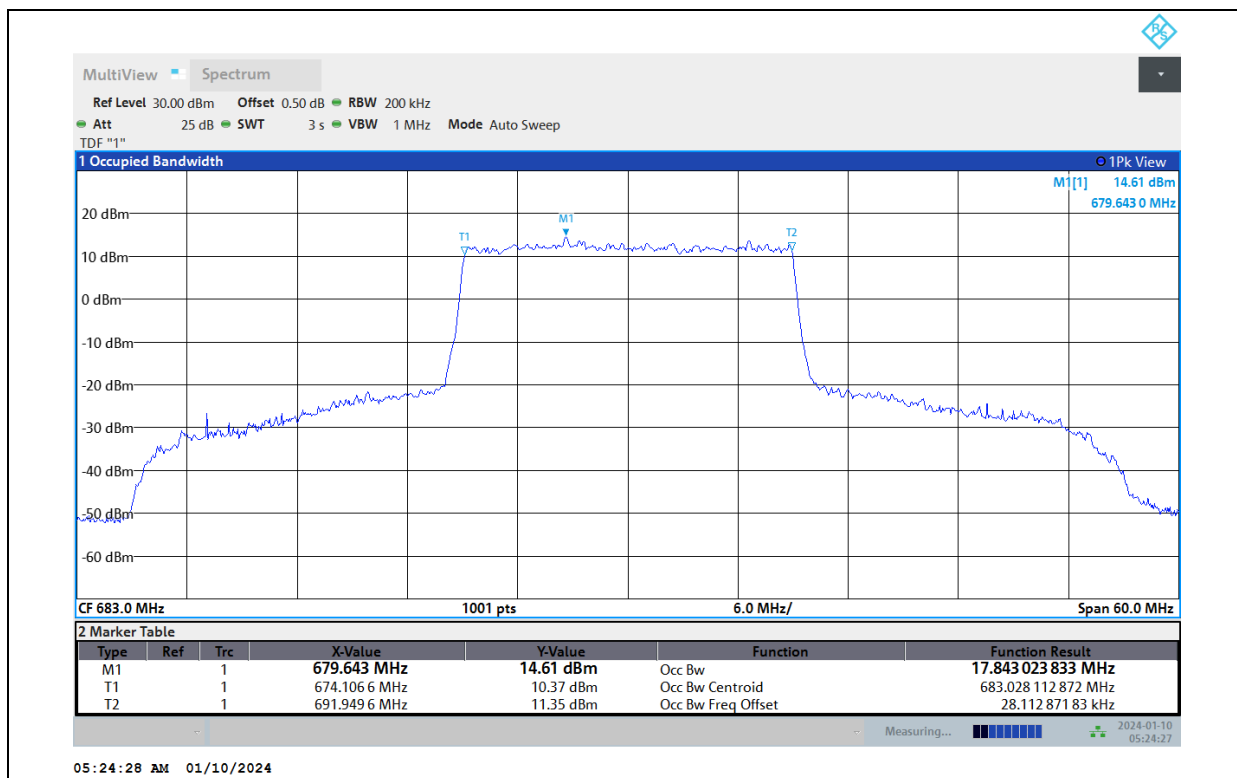
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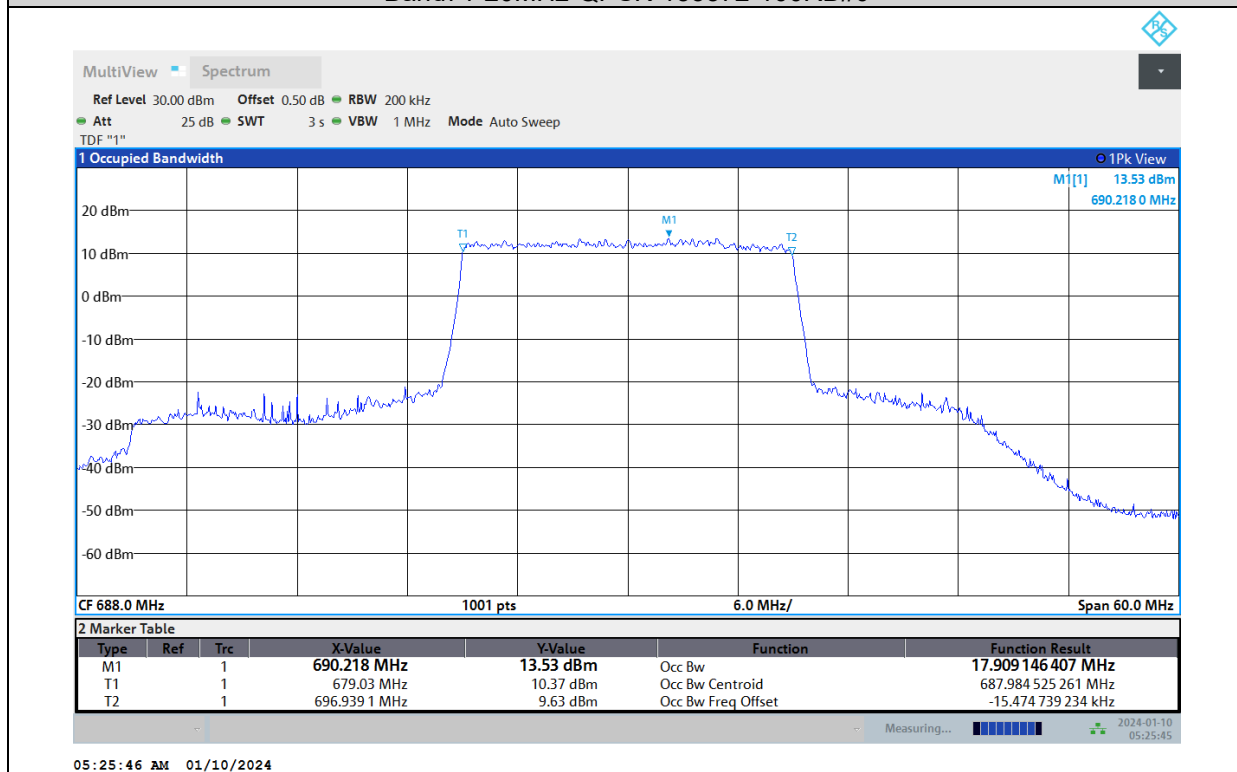
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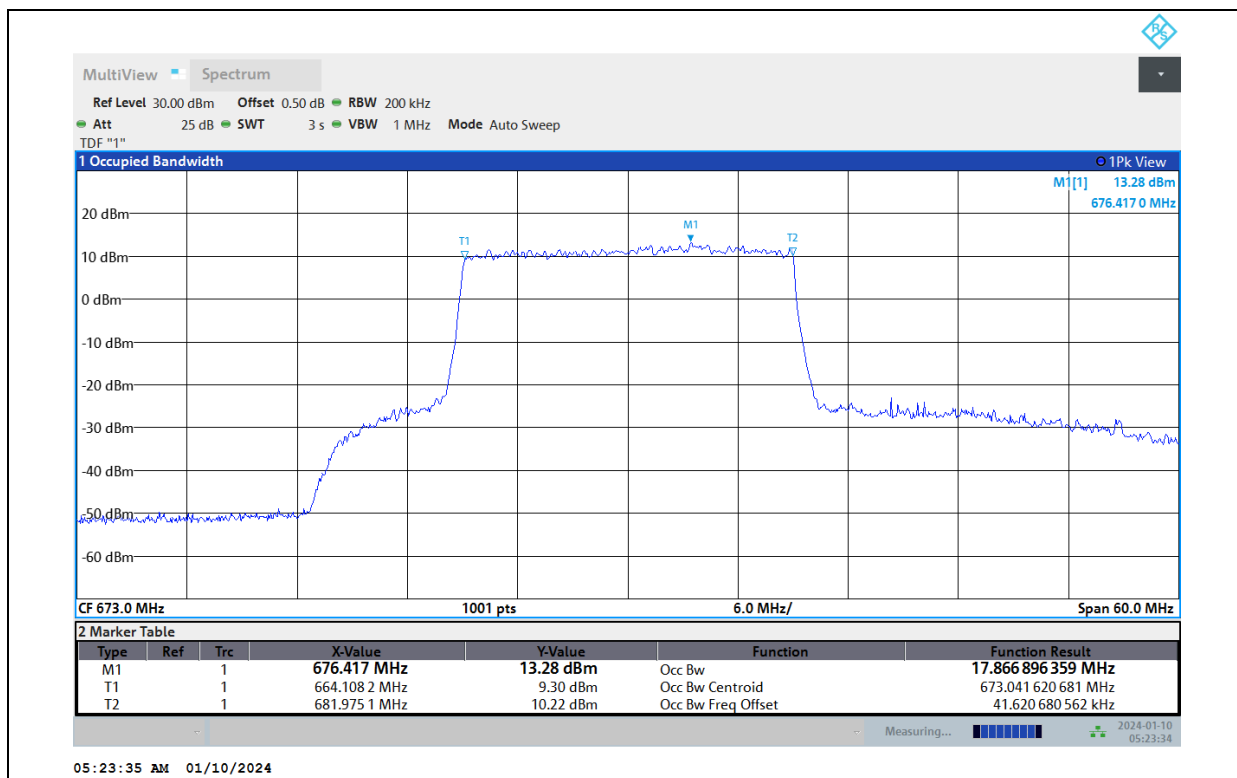
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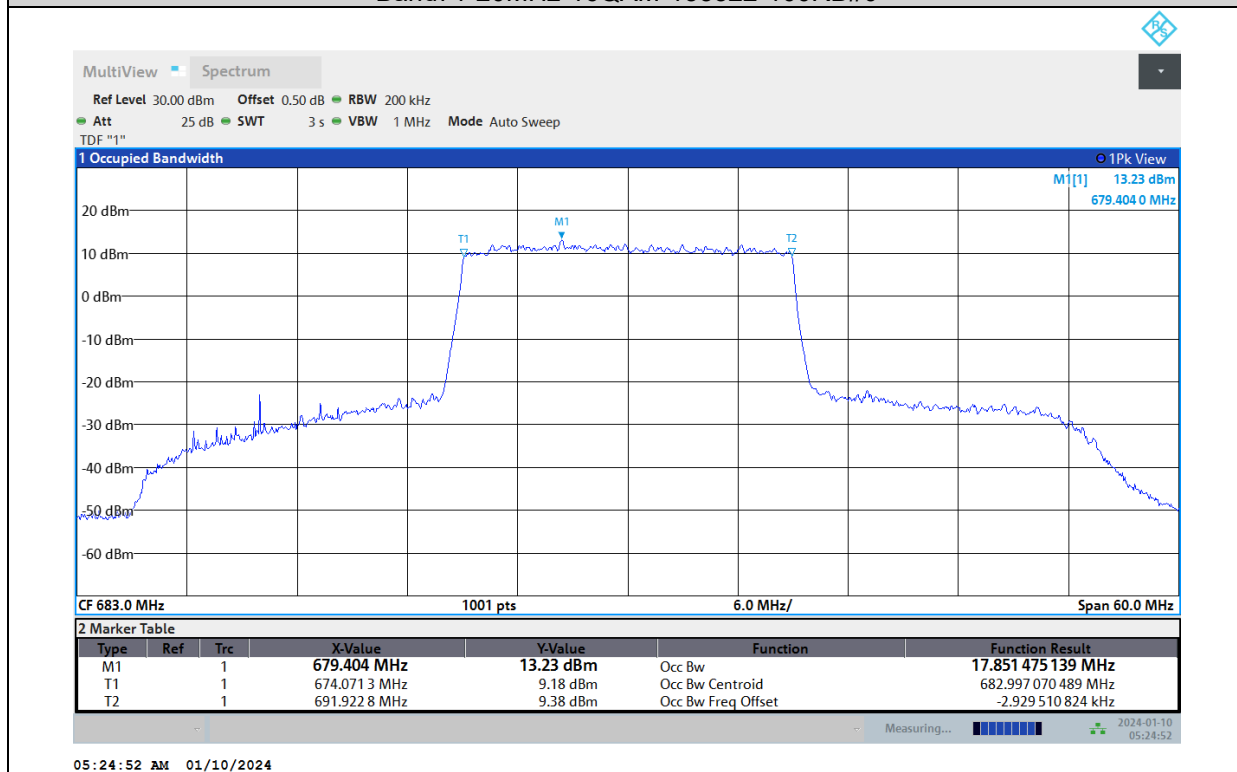
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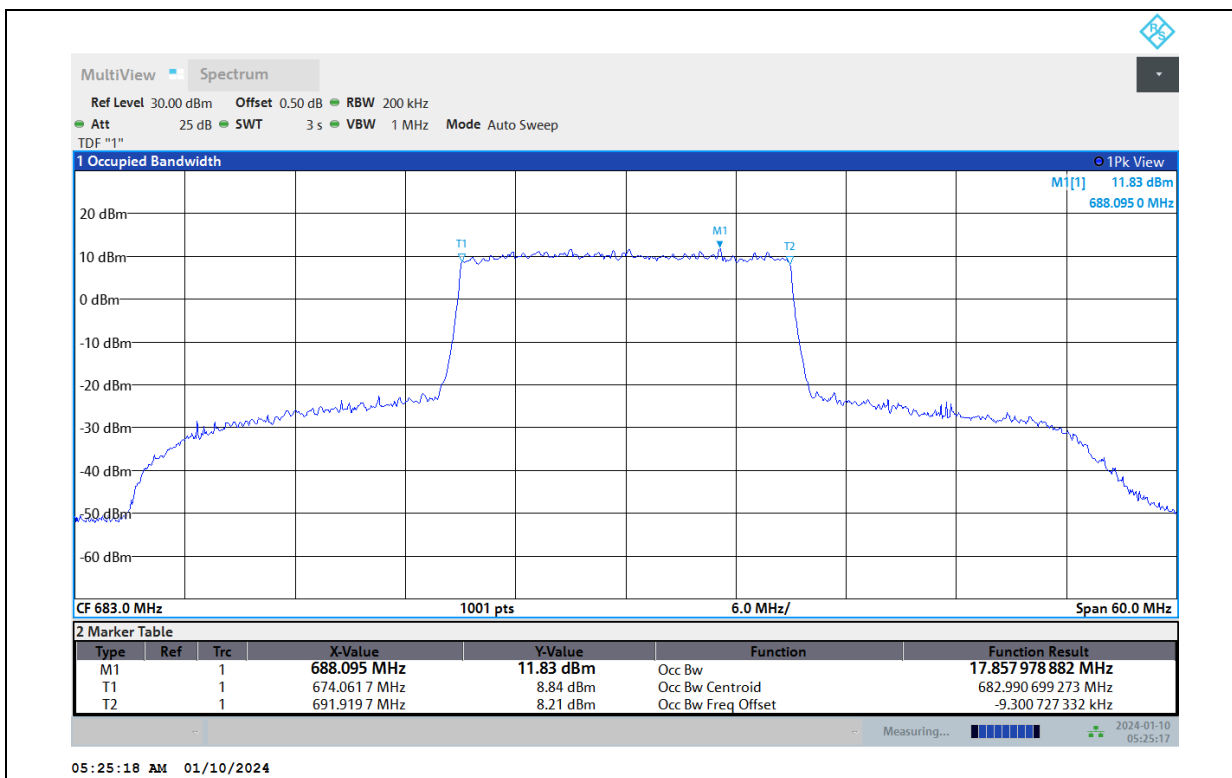


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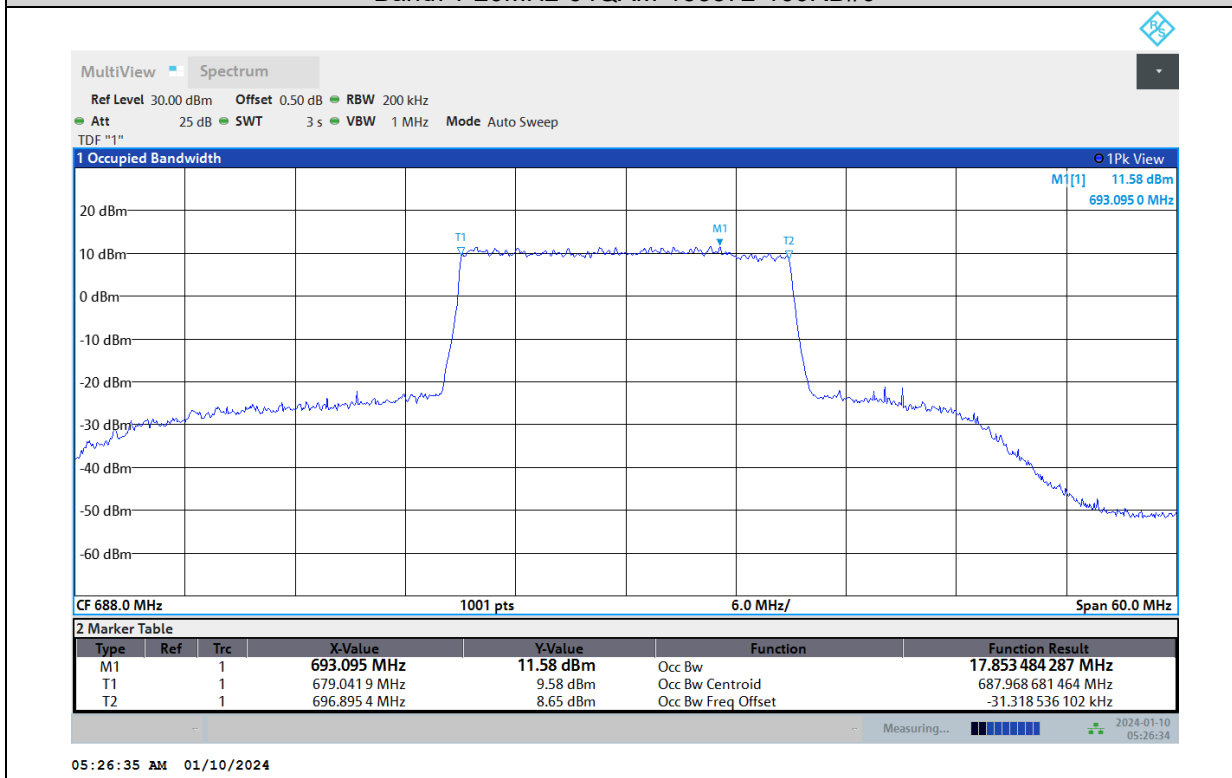


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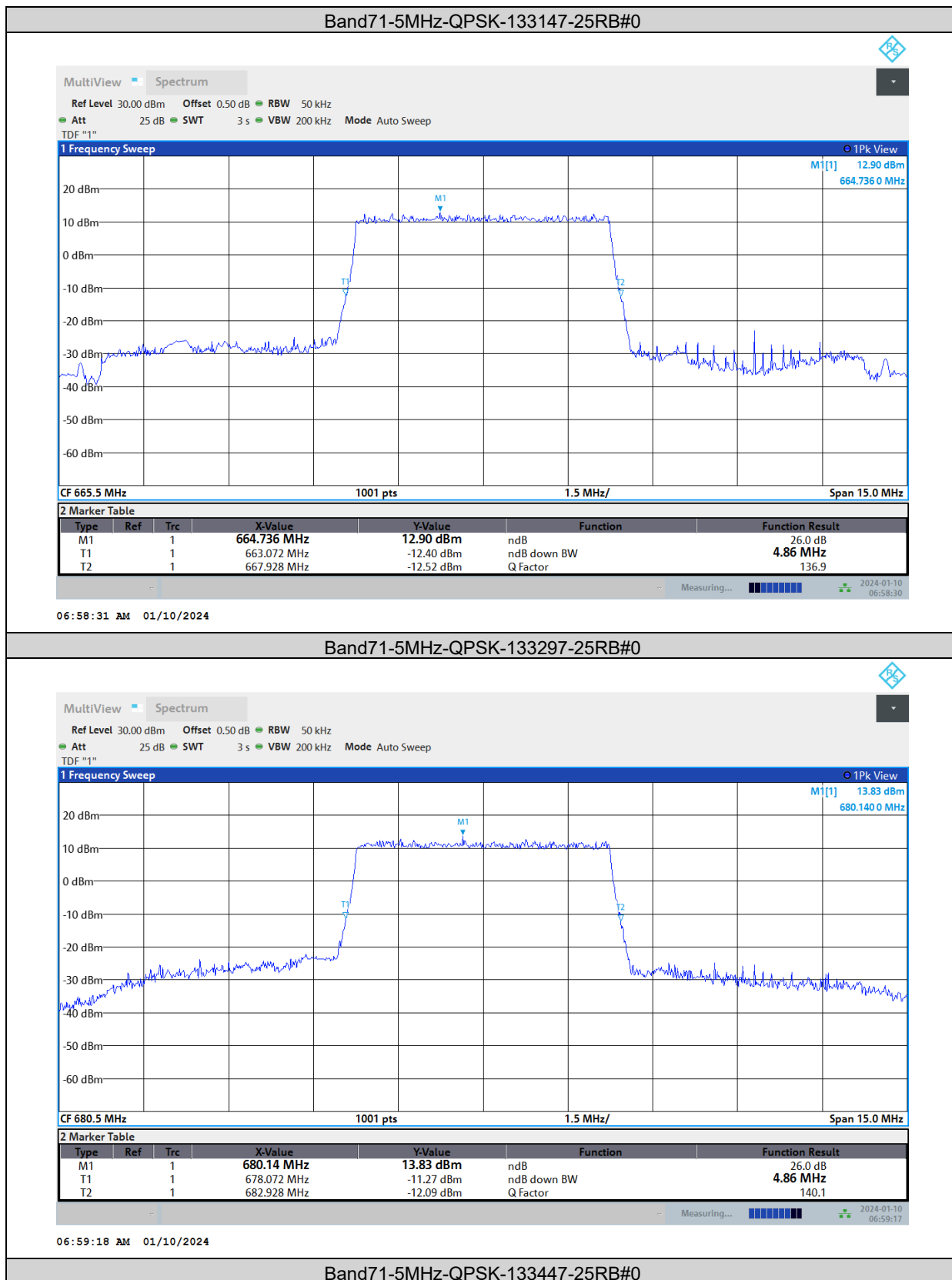


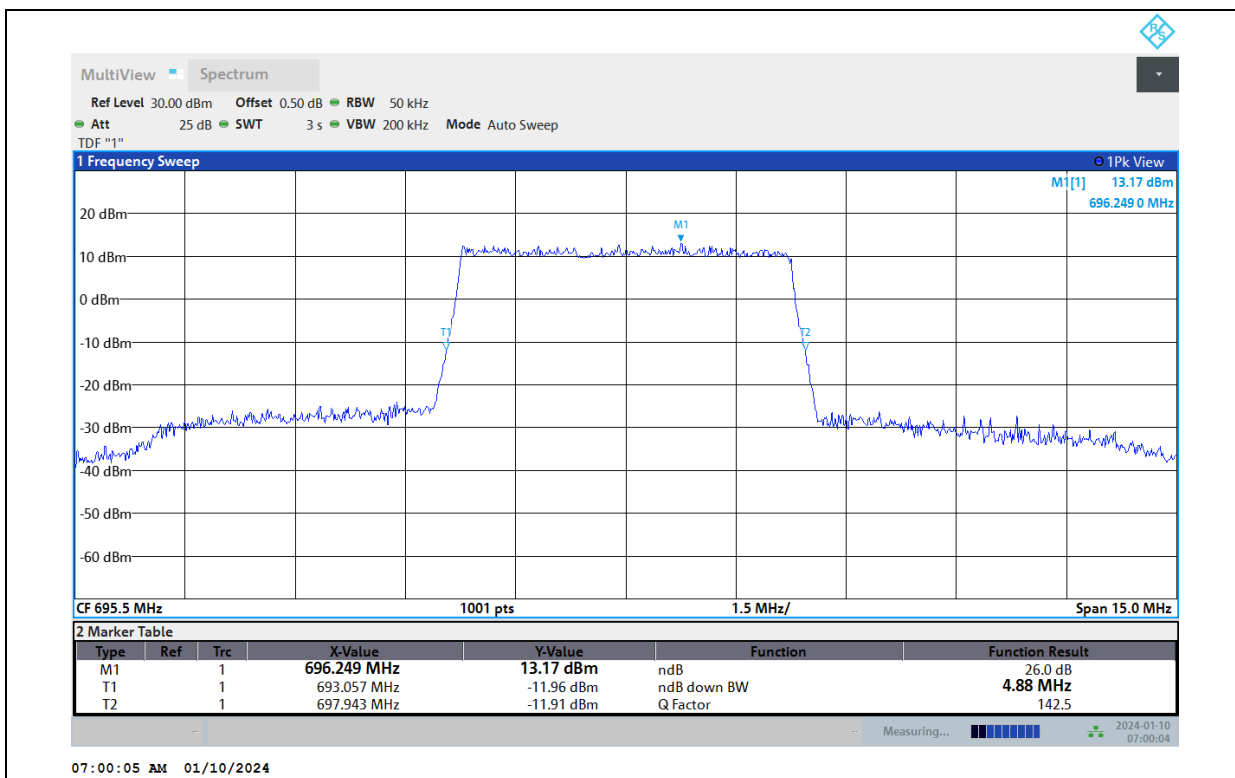


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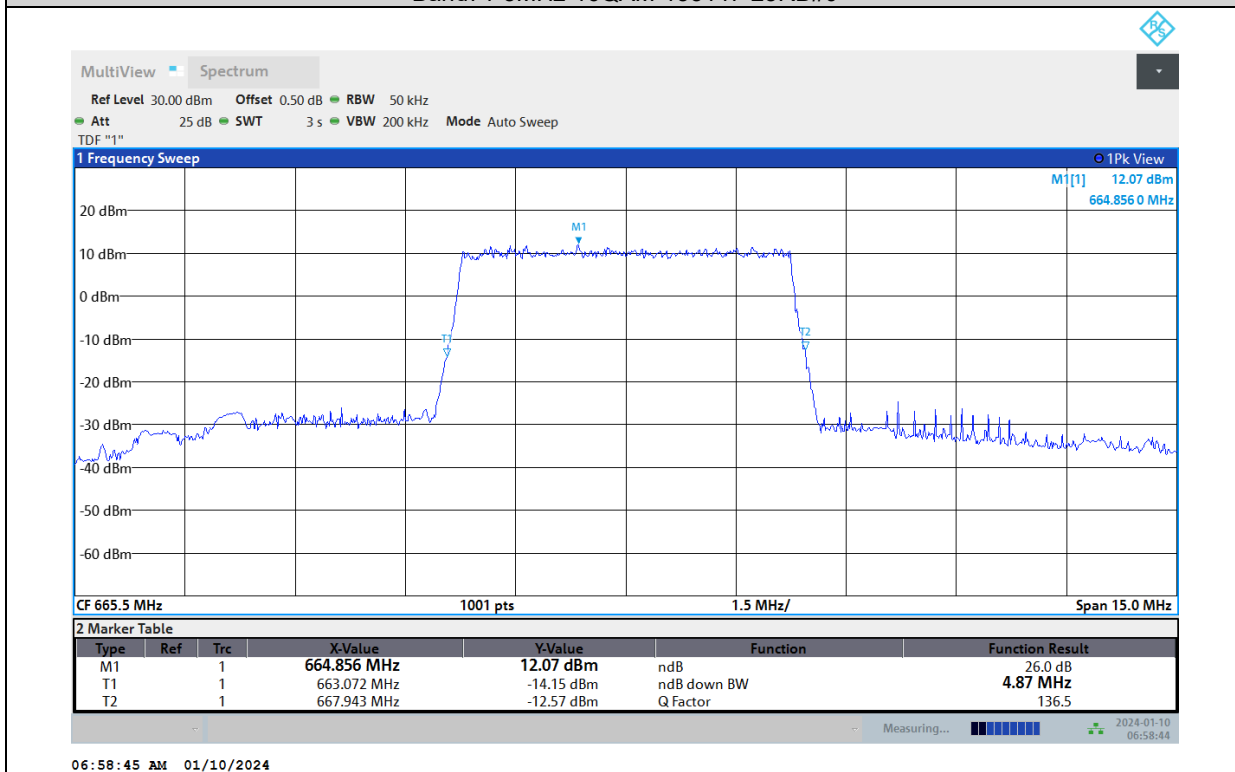


26dB Bandwidth

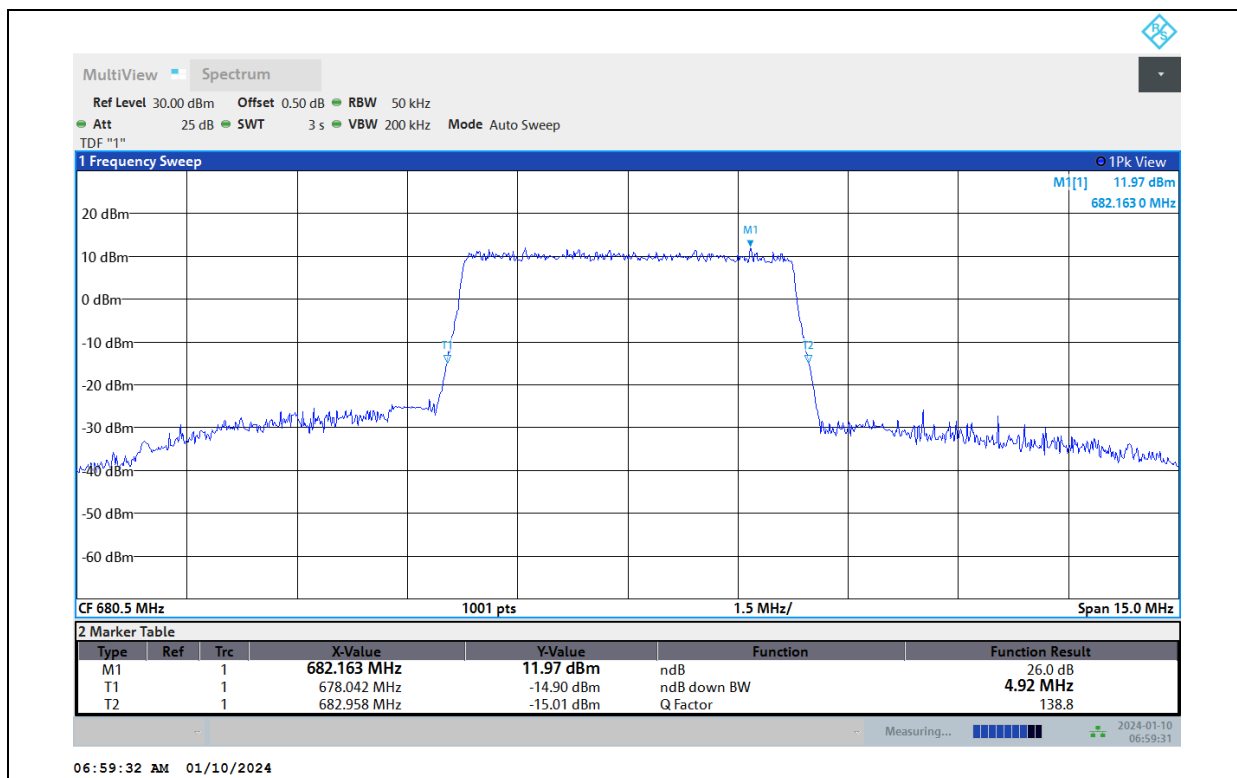




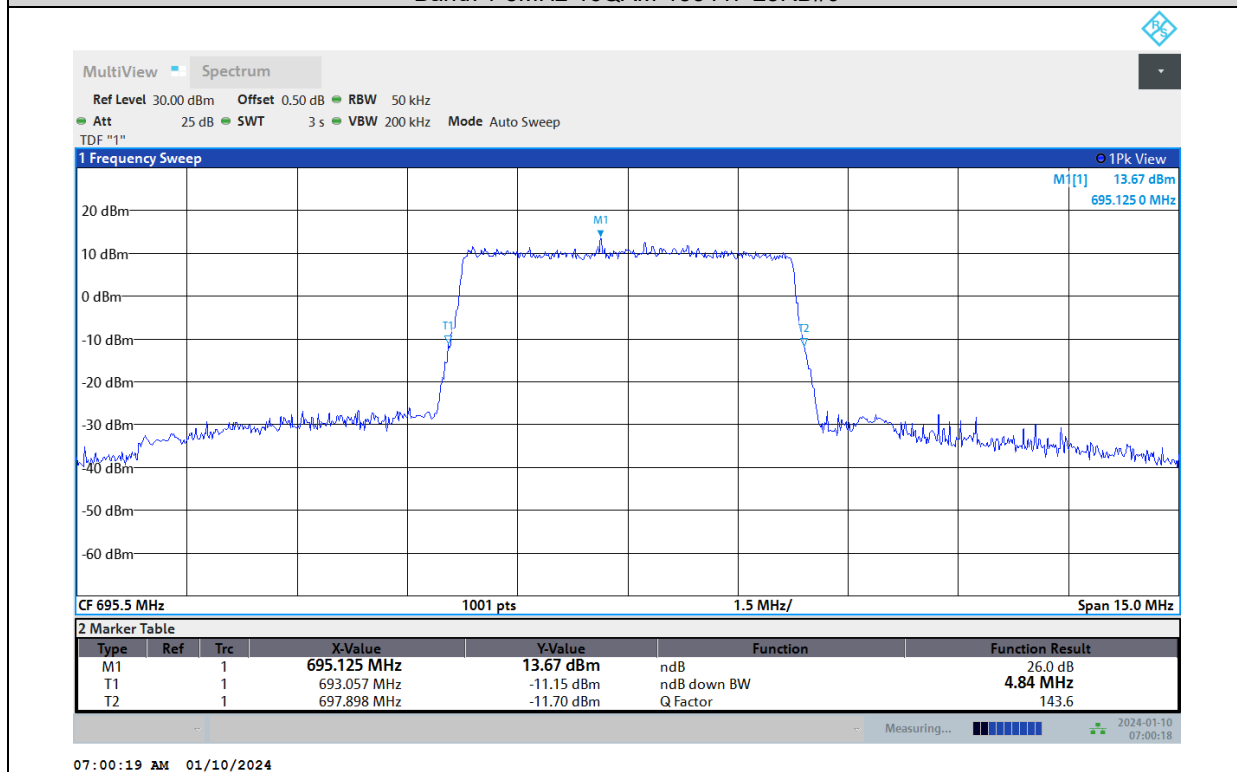
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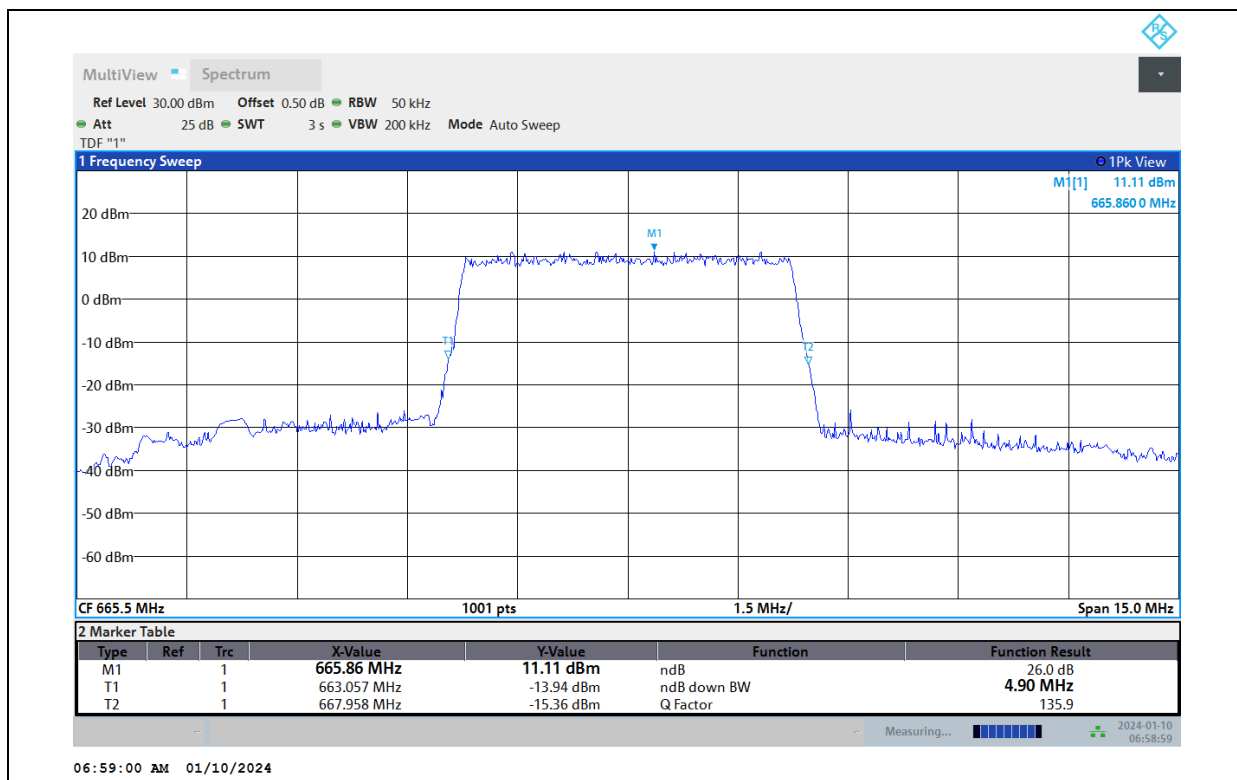
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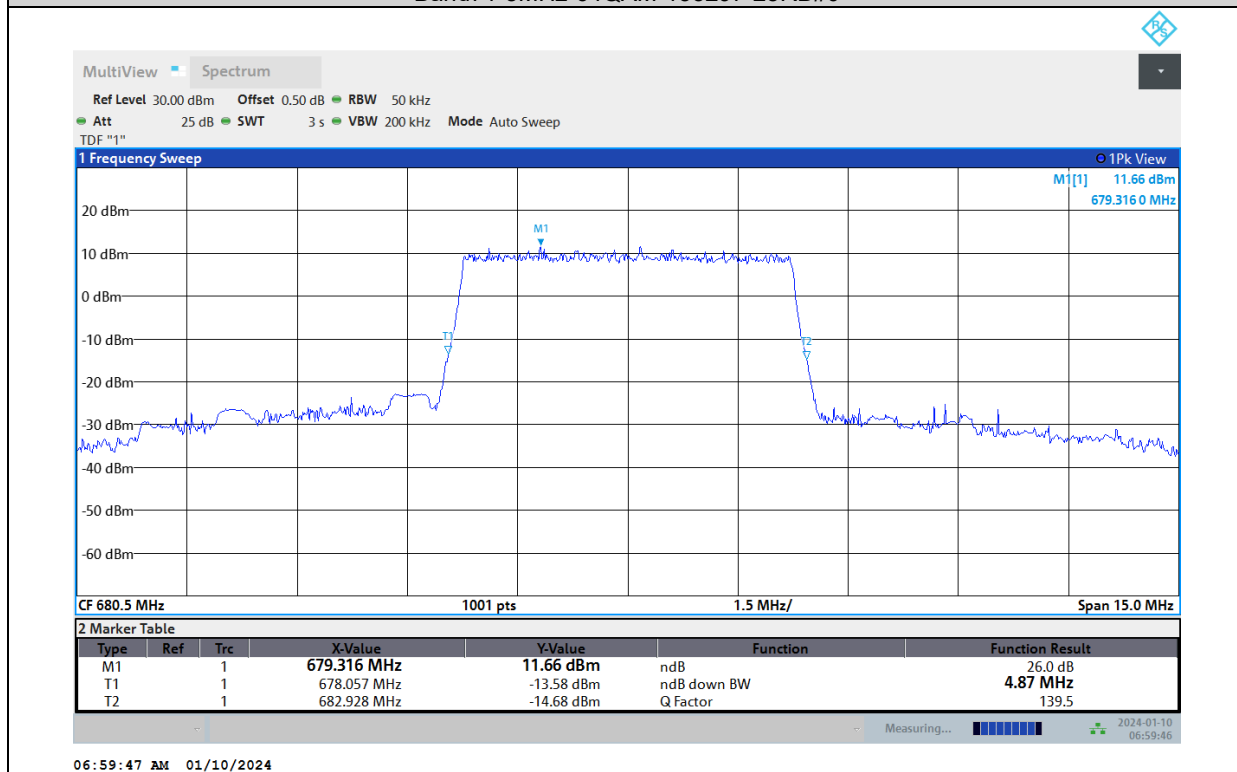
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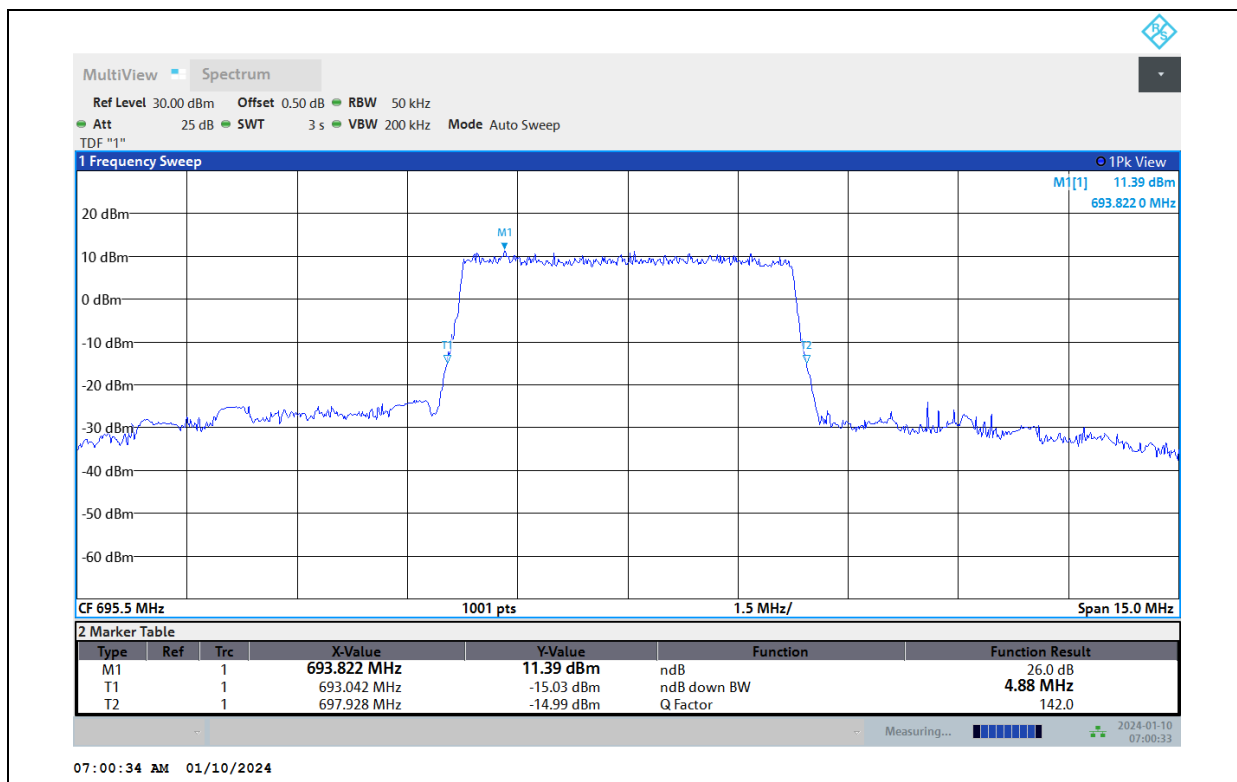
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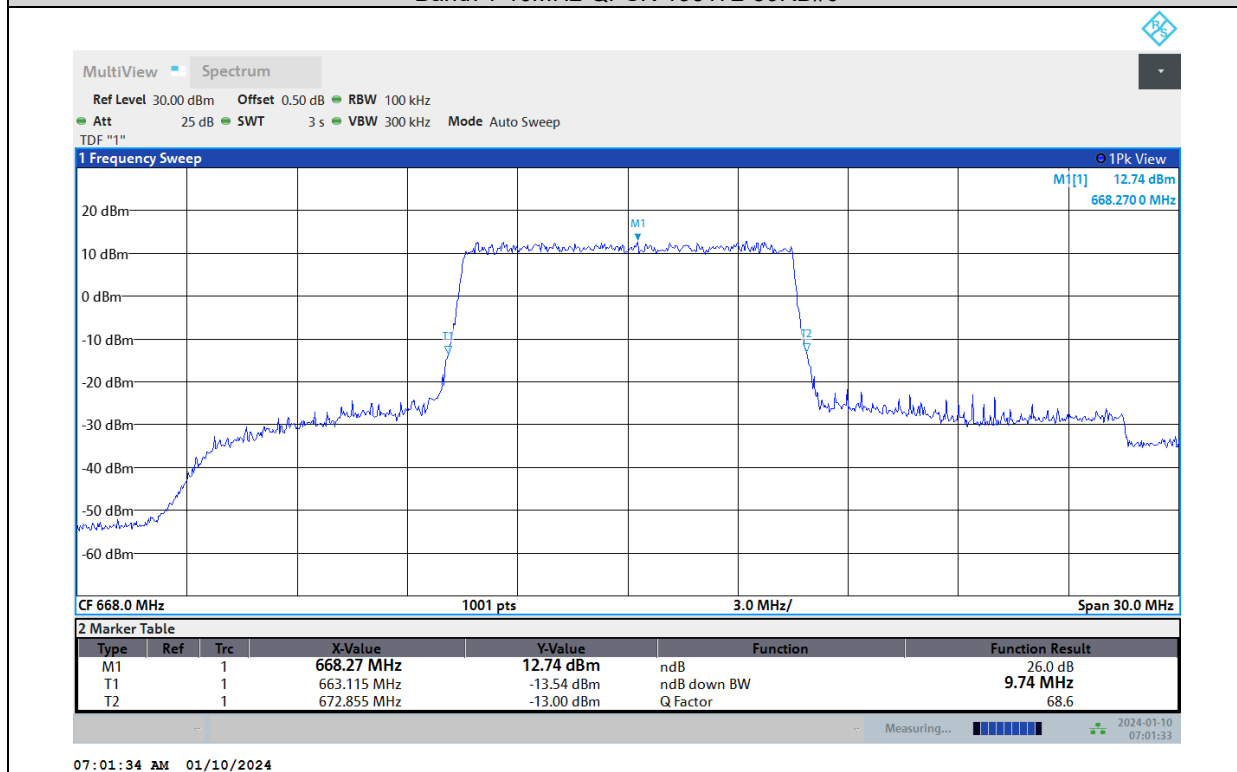
Band71-5MHz-64QAM-133297-25RB#0



Band71-5MHz-64QAM-133447-25RB#0



Band71-10MHz-QPSK-133172-50RB#0



Band71-10MHz-QPSK-133297-50RB#0