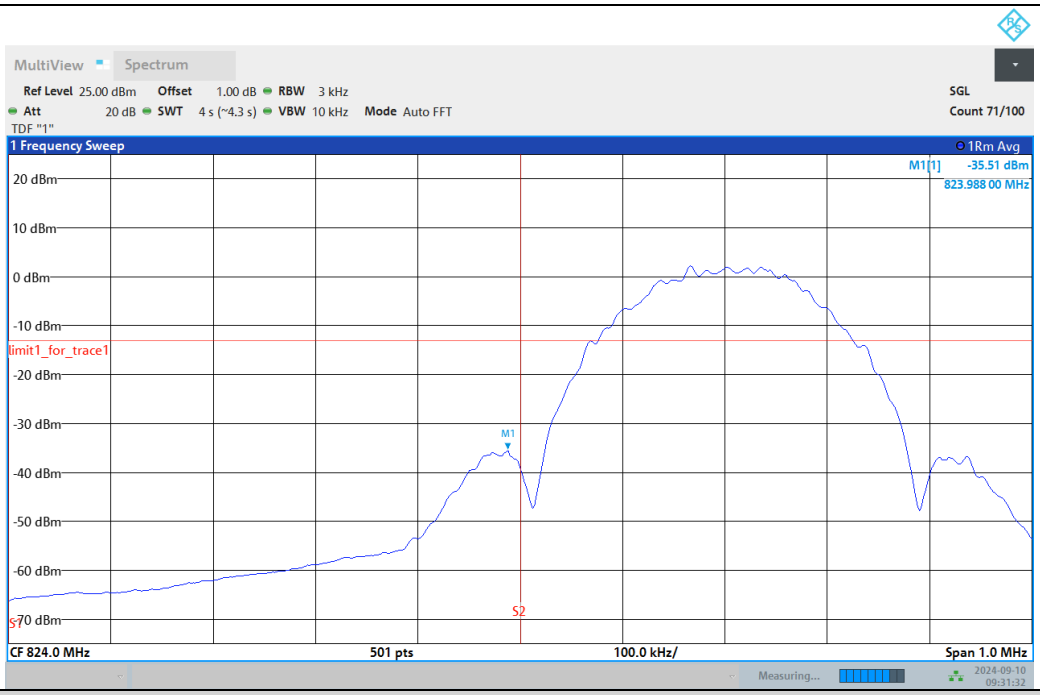
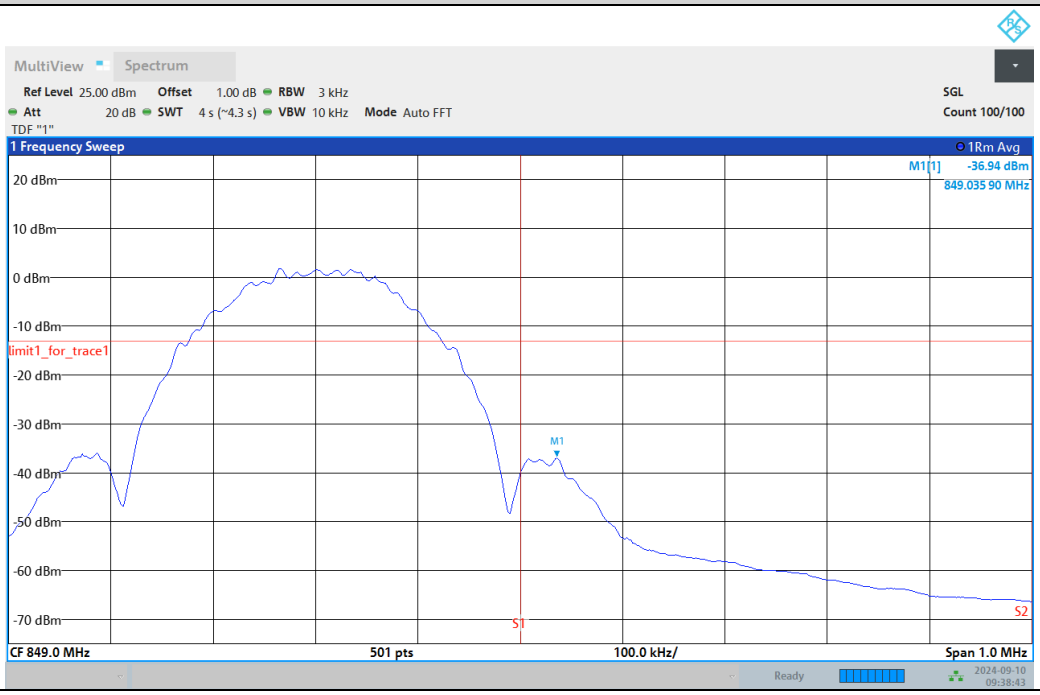


EGPRS850-251



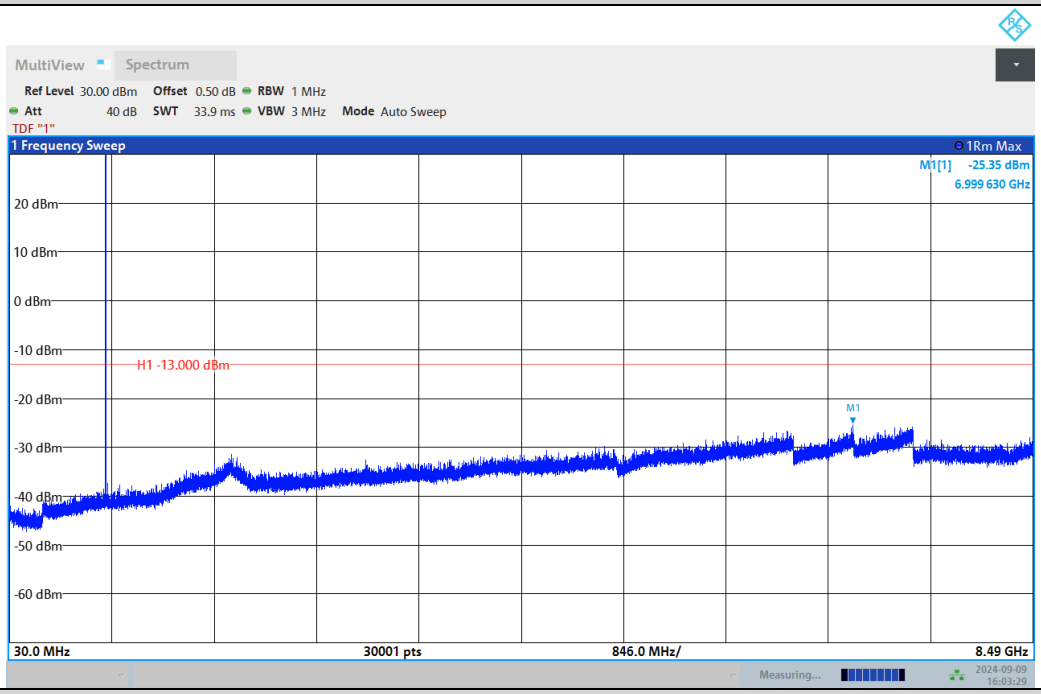
CONDUCTED SPURIOUS EMISSION

Test Result

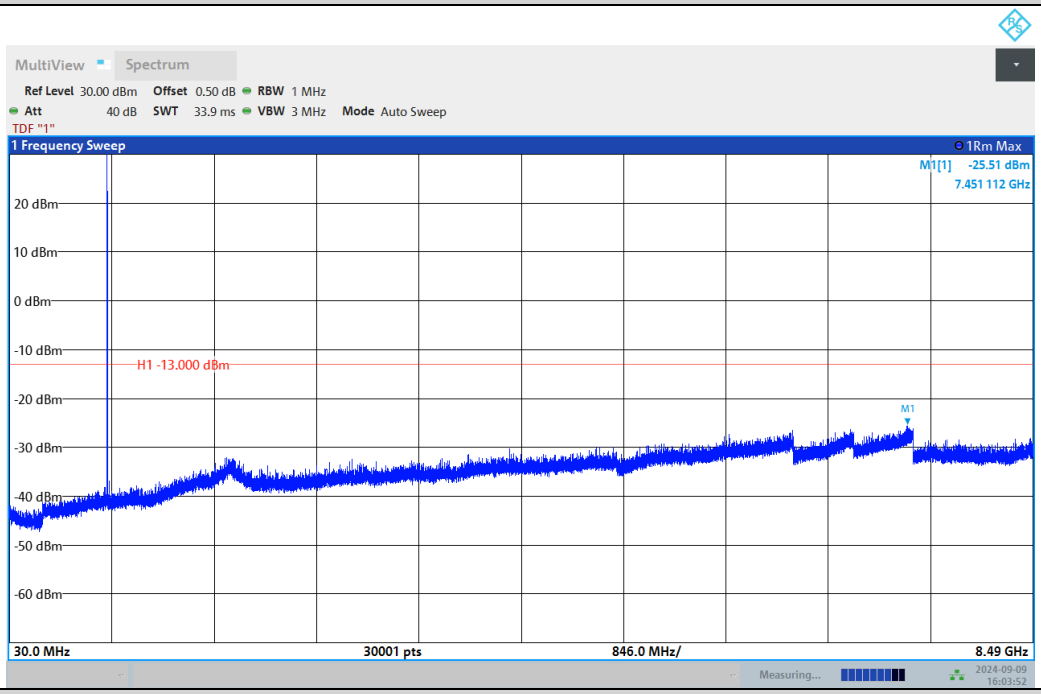
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	30~8490MHz	6999.630	-25.35	-13	PASS
GSM850	189	30~8490MHz	7451.112	-25.51	-13	PASS
GSM850	251	30~8490MHz	7459.854	-25.21	-13	PASS
EGPRS850	128	30~8490MHz	7498.770	-25.89	-13	PASS
EGPRS850	189	30~8490MHz	7490.592	-25.10	-13	PASS
EGPRS850	251	30~8490MHz	7455.342	-25.53	-13	PASS

Test Graphs

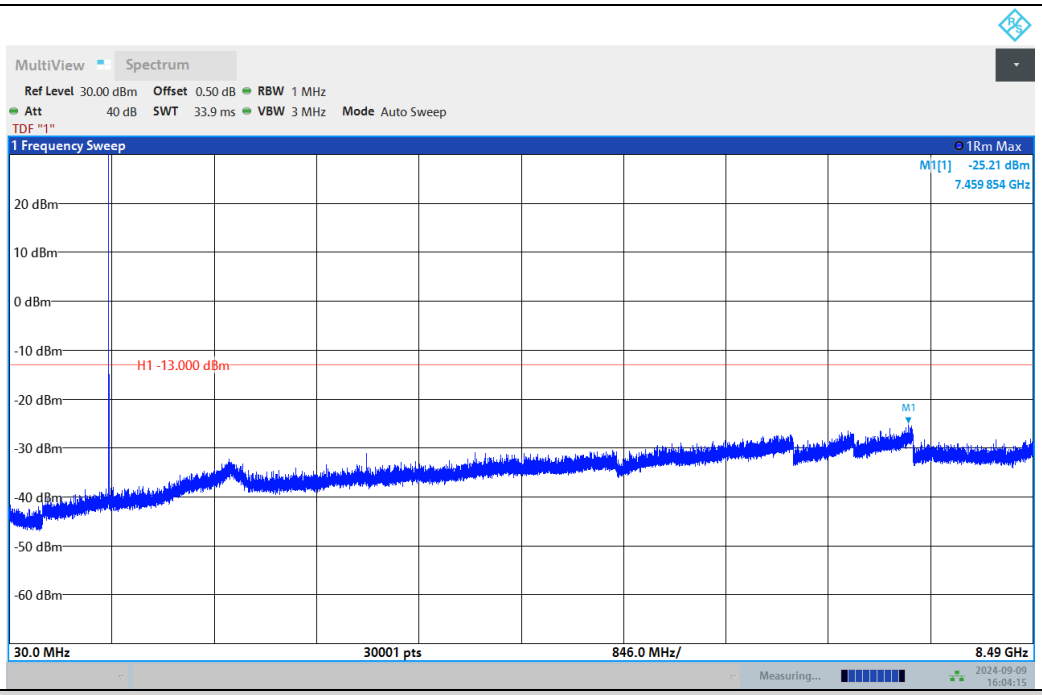
GSM850-128-30~8490MHz



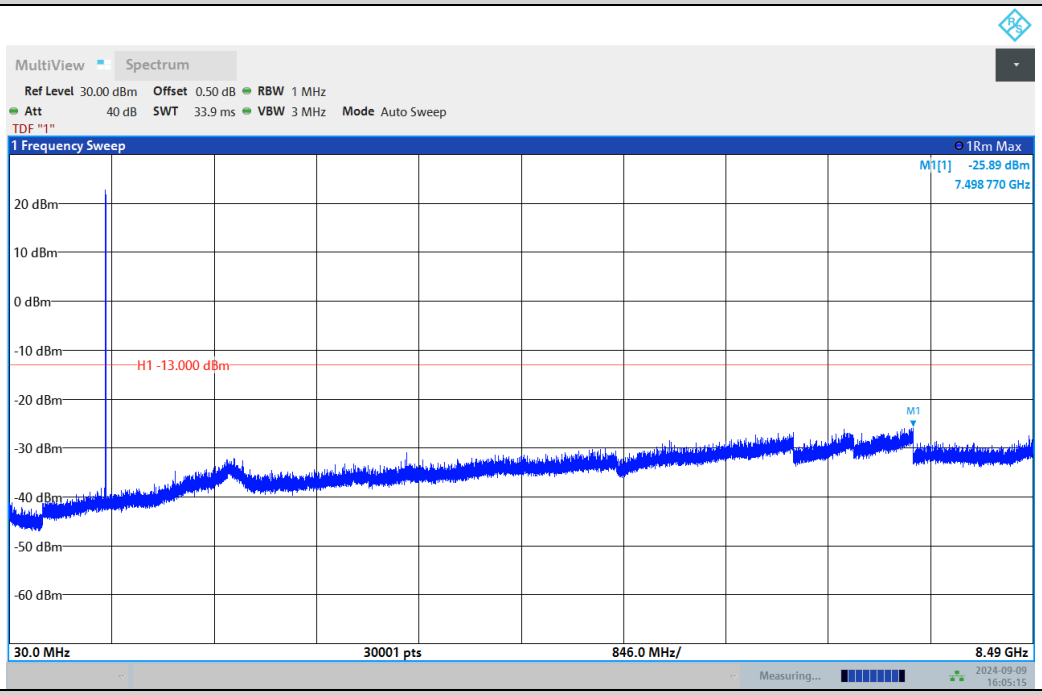
GSM850-189-30~8490MHz



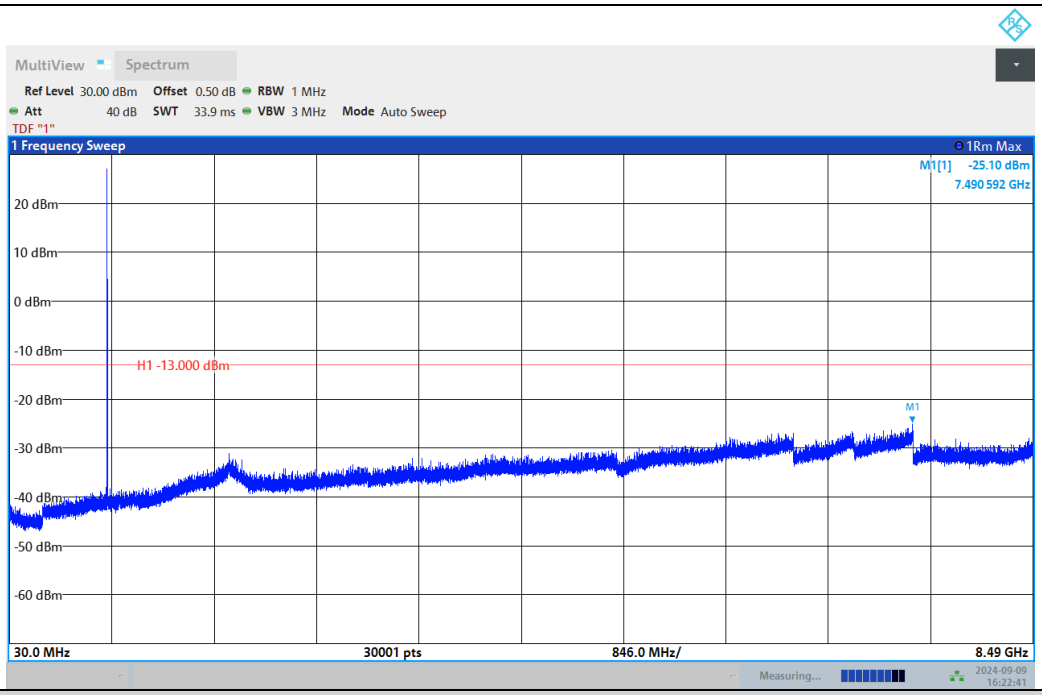
GSM850-251-30~8490MHz



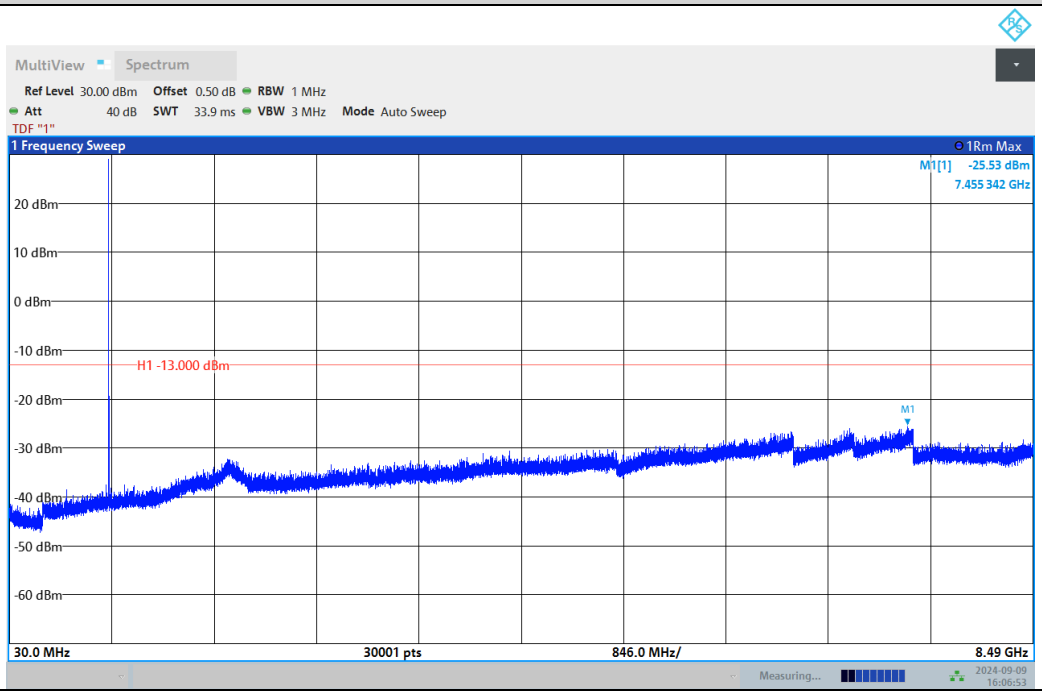
EGPRS850-128-30~8490MHz



EGPRS850-189-30~8490MHz



EGPRS850-251-30~8490MHz



FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	189	LV	NT	-6.20	-0.0075	±2.5	PASS
GSM850	189	NV	NT	-5.35	-0.0065	±2.5	PASS
GSM850	189	HV	NT	8.97	0.0109	±2.5	PASS
GSM850	128	LV	NT	8.49	0.0102	±2.5	PASS
GSM850	128	NV	NT	0.61	0.0007	±2.5	PASS
GSM850	128	HV	NT	9.01	0.0108	±2.5	PASS
GSM850	251	LV	NT	2.90	0.0034	±2.5	PASS
GSM850	251	NV	NT	-1.72	-0.0020	±2.5	PASS
GSM850	251	HV	NT	-7.35	-0.0087	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	189	NV	-30	0.51	0.0006	±2.5	PASS
GSM850	189	NV	-20	7.40	0.0090	±2.5	PASS
GSM850	189	NV	-10	4.41	0.0054	±2.5	PASS
GSM850	189	NV	0	5.17	0.0063	±2.5	PASS
GSM850	189	NV	10	-0.84	-0.0010	±2.5	PASS
GSM850	189	NV	20	1.96	0.0024	±2.5	PASS
GSM850	189	NV	30	4.40	0.0053	±2.5	PASS
GSM850	189	NV	40	4.37	0.0053	±2.5	PASS
GSM850	189	NV	50	-7.17	-0.0087	±2.5	PASS
GSM850	128	NV	-30	-2.20	-0.0026	±2.5	PASS
GSM850	128	NV	-20	10.00	0.0120	±2.5	PASS
GSM850	128	NV	-10	5.57	0.0067	±2.5	PASS
GSM850	128	NV	0	0.39	0.0005	±2.5	PASS
GSM850	128	NV	10	-9.58	-0.0115	±2.5	PASS
GSM850	128	NV	20	-8.65	-0.0103	±2.5	PASS
GSM850	128	NV	30	1.47	0.0018	±2.5	PASS
GSM850	128	NV	40	8.75	0.0105	±2.5	PASS
GSM850	128	NV	50	0.88	0.0011	±2.5	PASS
GSM850	251	NV	-30	8.52	0.0100	±2.5	PASS
GSM850	251	NV	-20	1.21	0.0014	±2.5	PASS
GSM850	251	NV	-10	5.34	0.0063	±2.5	PASS
GSM850	251	NV	0	-1.28	-0.0015	±2.5	PASS
GSM850	251	NV	10	3.41	0.0040	±2.5	PASS
GSM850	251	NV	20	-0.98	-0.0012	±2.5	PASS
GSM850	251	NV	30	6.01	0.0071	±2.5	PASS
GSM850	251	NV	40	9.04	0.0107	±2.5	PASS
GSM850	251	NV	50	-2.58	-0.0030	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
fL-|MAX(△f)|	824.0769055	⩾824	PASS
fH+|MAX(△f)|	848.677013	⩽849	

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)| = 10Hz.

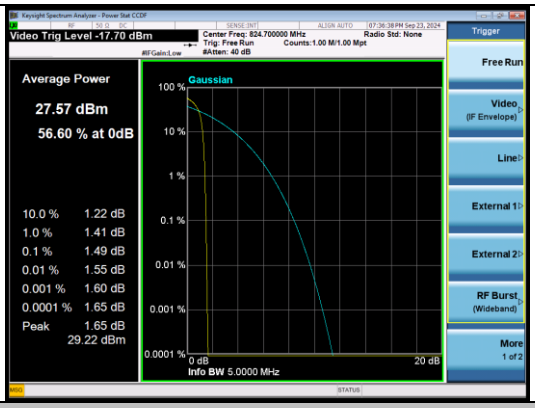
CDMA2000 BC0

PEAK-TO-AVERAGE RATIO(CCDF)

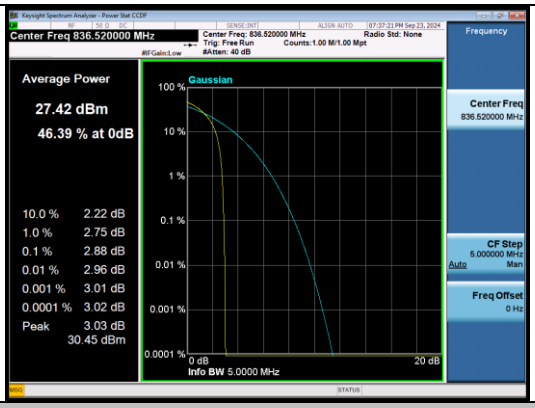
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
CDMA BC0	1013	1.49	13	PASS
CDMA BC0	384	2.88	13	PASS
CDMA BC0	777	2.58	13	PASS

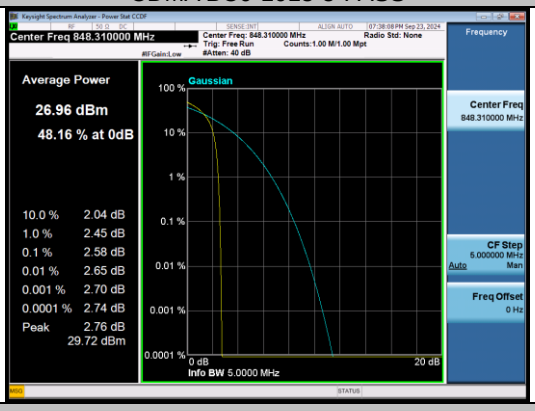
Test Graphs



CDMA BC0-1013-5-PASS



CDMA BC0-384-5-PASS



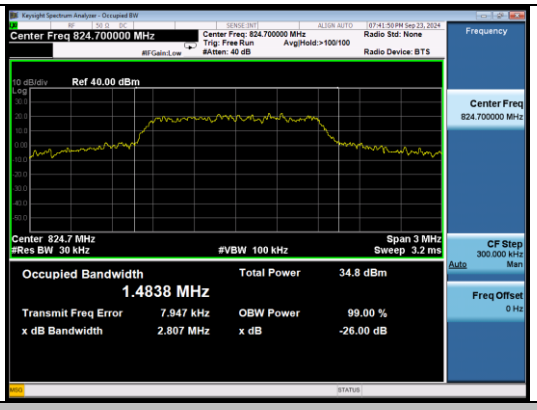
CDMA BC0-777-5-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

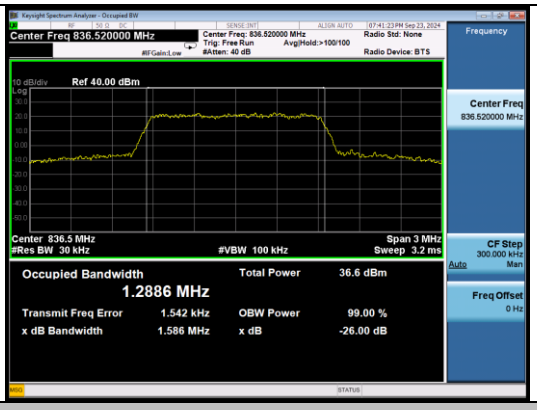
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
CDMA BC0	1013	1.4838	2.807	---	PASS
CDMA BC0	384	1.2886	1.586	---	PASS
CDMA BC0	777	1.3936	2.641	---	PASS

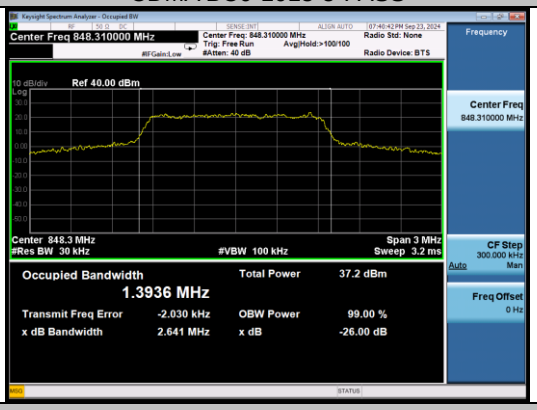
Test Graphs



CDMA BC0-1013-5-PASS



CDMA BC0-384-5-PASS



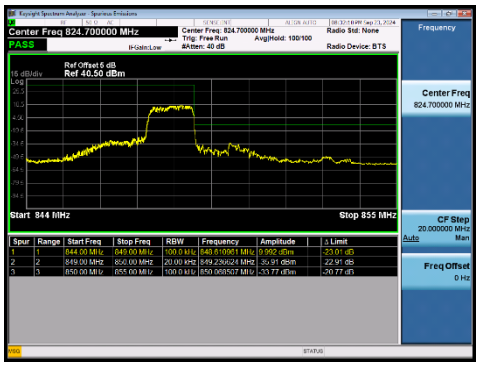
CDMA BC0-777-5-PASS

BAND EDGE

Test Result

Band	Channel	Result	Limit(dBm)	Verdict
CDMA BC0	1013	Seegraph	-13	PASS
CDMA BC0	777	Seegraph	-13	PASS

Test Graphs

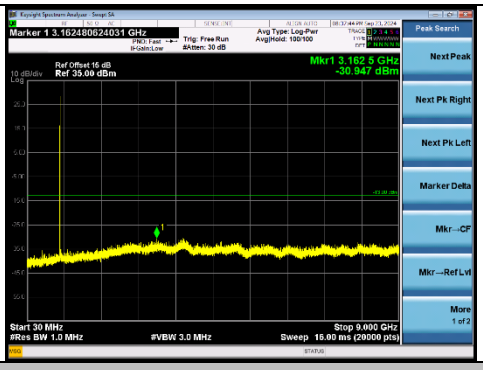
	
CDMA BC0-1013-5-PASS	CDMA BC0-777-5-PASS

CONDUCTED SPURIOUS EMISSION

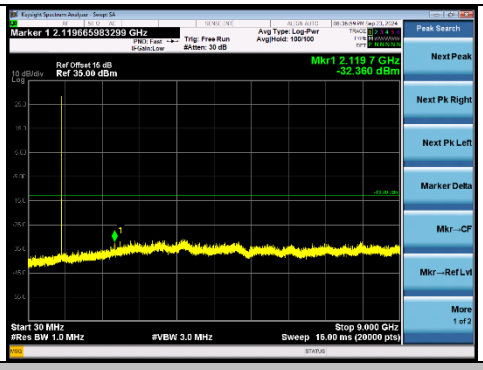
Test Result

Band	Channel	Frequency Range(MHz)	Result (dBm)	Limit (dBm)	Verdict
CDMA BC0	1013	30~9000MHz	Seegraph	-13	PASS
CDMA BC0	384	30~9000MHz	Seegraph	-13	PASS
CDMA BC0	777	30~9000MHz	Seegraph	-13	PASS

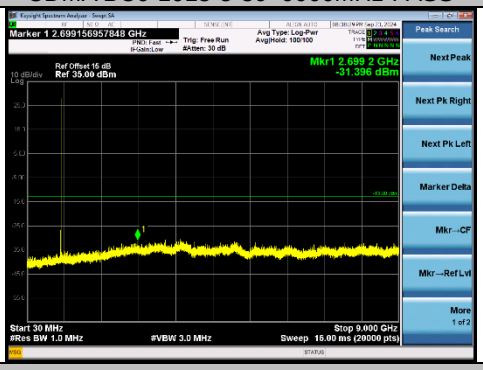
Test Graphs



CDMA BC0-1013-5-30~9000MHz-PASS



CDMA BC0-1013-5-30~90000MHz-PASS



CDMA BC0-384-5-30~9000MHz-PASS

FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CDMA BC0	1013	VN	NT	6.89	0.008355	±2.5	PASS
CDMA BC0	1013	VL	NT	-7.73	-0.009373	±2.5	PASS
CDMA BC0	1013	VH	NT	6.62	0.008027	±2.5	PASS
CDMA BC0	384	VN	NT	-11.18	-0.013365	±2.5	PASS
CDMA BC0	384	VL	NT	17.02	0.020346	±2.5	PASS
CDMA BC0	384	VH	NT	-19.33	-0.023108	±2.5	PASS
CDMA BC0	777	VN	NT	-3.02	-0.00356	±2.5	PASS
CDMA BC0	777	VL	NT	16.82	0.019828	±2.5	PASS
CDMA BC0	777	VH	NT	-14.44	-0.017022	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
CDMA BC0	1013	NV	-30	5.91	0.007166	±2.5	PASS
CDMA BC0	1013	NV	-20	-0.07	-0.000085	±2.5	PASS
CDMA BC0	1013	NV	-10	7.05	0.008549	±2.5	PASS
CDMA BC0	1013	NV	0	-9.49	-0.011507	±2.5	PASS
CDMA BC0	1013	NV	10	6.58	0.007979	±2.5	PASS
CDMA BC0	1013	NV	20	-10.98	-0.013314	±2.5	PASS
CDMA BC0	1013	NV	30	14.01	0.016988	±2.5	PASS
CDMA BC0	1013	NV	40	19.28	0.023378	±2.5	PASS
CDMA BC0	1013	NV	50	-16.12	-0.019547	±2.5	PASS

CDMA BC0	384	NV	-30	-11.04	-0.013198	±2.5	PASS
CDMA BC0	384	NV	-20	-11.57	-0.013831	±2.5	PASS
CDMA BC0	384	NV	-10	7.18	0.008583	±2.5	PASS
CDMA BC0	384	NV	0	-1.18	-0.001411	±2.5	PASS
CDMA BC0	384	NV	10	-7.01	-0.00838	±2.5	PASS
CDMA BC0	384	NV	20	16.72	0.019988	±2.5	PASS
CDMA BC0	384	NV	30	-17.83	-0.021314	±2.5	PASS
CDMA BC0	384	NV	40	8.49	0.010149	±2.5	PASS
CDMA BC0	384	NV	50	-7.87	-0.009408	±2.5	PASS
CDMA BC0	777	NV	-30	1.58	0.001863	±2.5	PASS
CDMA BC0	777	NV	-20	12.63	0.014888	±2.5	PASS
CDMA BC0	777	NV	-10	4.91	0.005788	±2.5	PASS
CDMA BC0	777	NV	0	-7.32	-0.008629	±2.5	PASS
CDMA BC0	777	NV	10	3.54	0.004173	±2.5	PASS
CDMA BC0	777	NV	20	-5.86	-0.006908	±2.5	PASS
CDMA BC0	777	NV	30	18.65	0.021985	±2.5	PASS
CDMA BC0	777	NV	40	4.56	0.005375	±2.5	PASS
CDMA BC0	777	NV	50	-16.64	-0.019615	±2.5	PASS

WCMDA BAND5

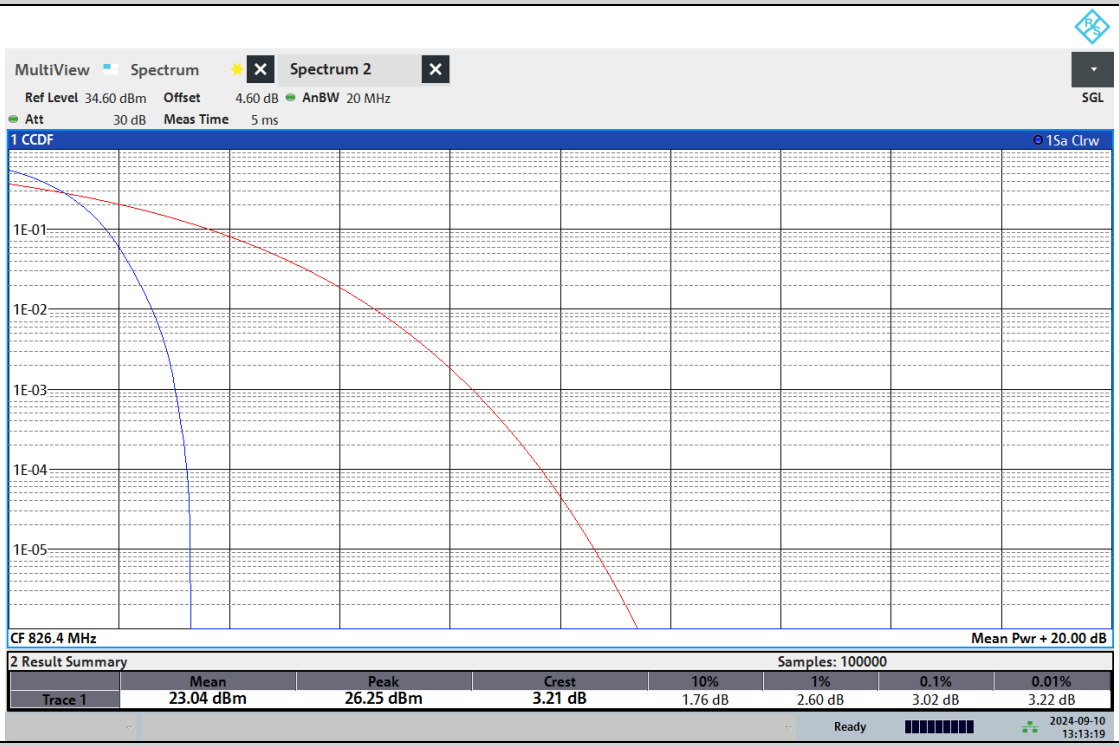
PEAK-TO-AVERAGE RATIO

Test Result

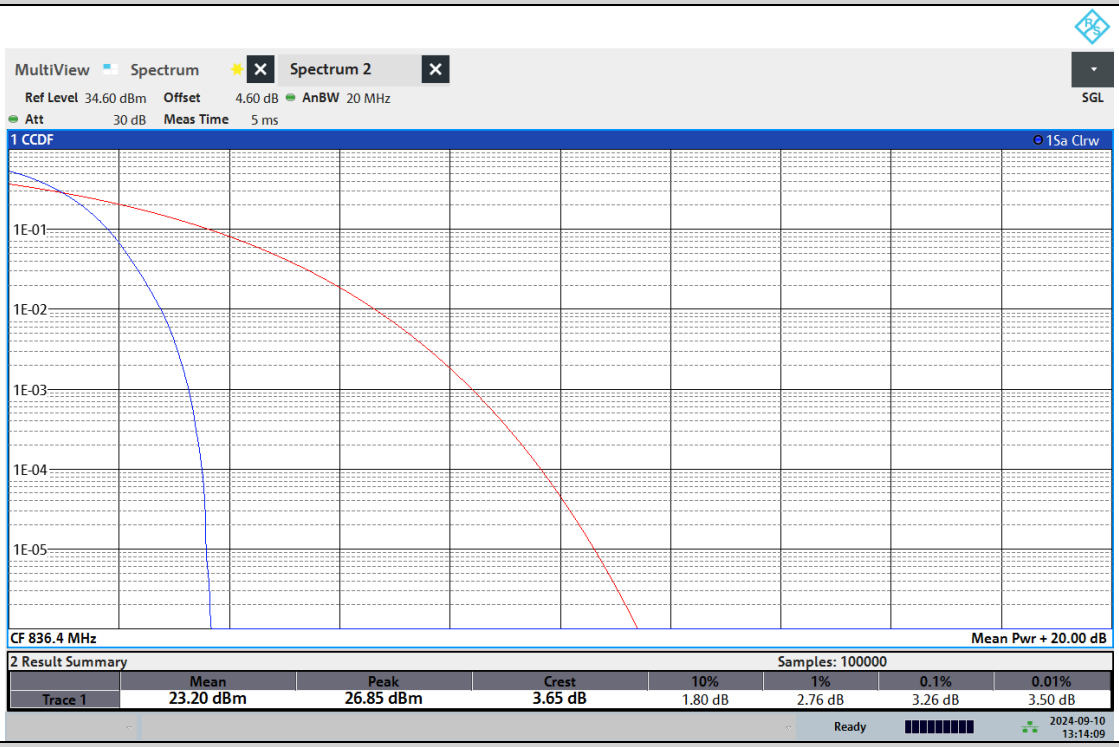
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.02	13	PASS
Band5	4182	3.26	13	PASS
Band5	4233	3.24	13	PASS

Test Graphs

Band5-4132



Band5-4182



Band5-4233

MultiView
Spectrum
Spectrum 2
Ref Level 34.60 dBm Offset 4.60 dB AnBW 20 MHz
Att 30 dB Meas Time 5 ms
SGL
1 CCDF
1Sa Clrw
1E-01
1E-02
1E-03
1E-04
1E-05
CF 846.6 MHz
Mean Pwr + 20.00 dB
2 Result Summary
Samples: 100000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 23.16 dBm 26.64 dBm 3.49 dB 1.82 dB 2.76 dB 3.24 dB 3.46 dB
Ready
2024-09-10
13:14:39

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

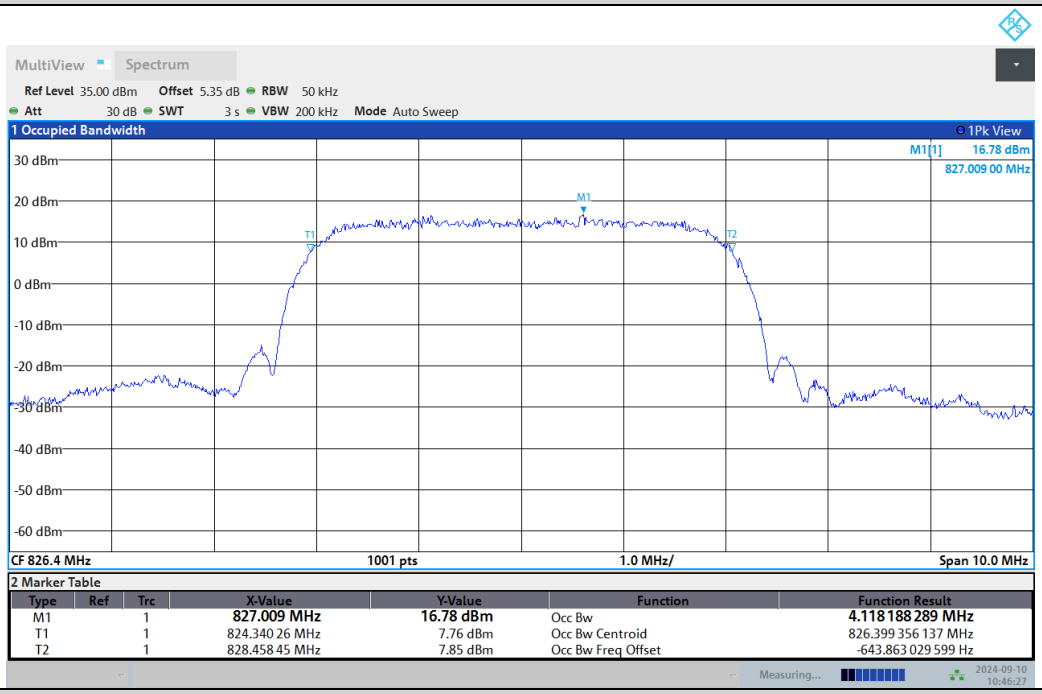
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	4132	4.118	4.67	PASS
Band5	4182	4.117	4.67	PASS
Band5	4233	4.115	4.67	PASS

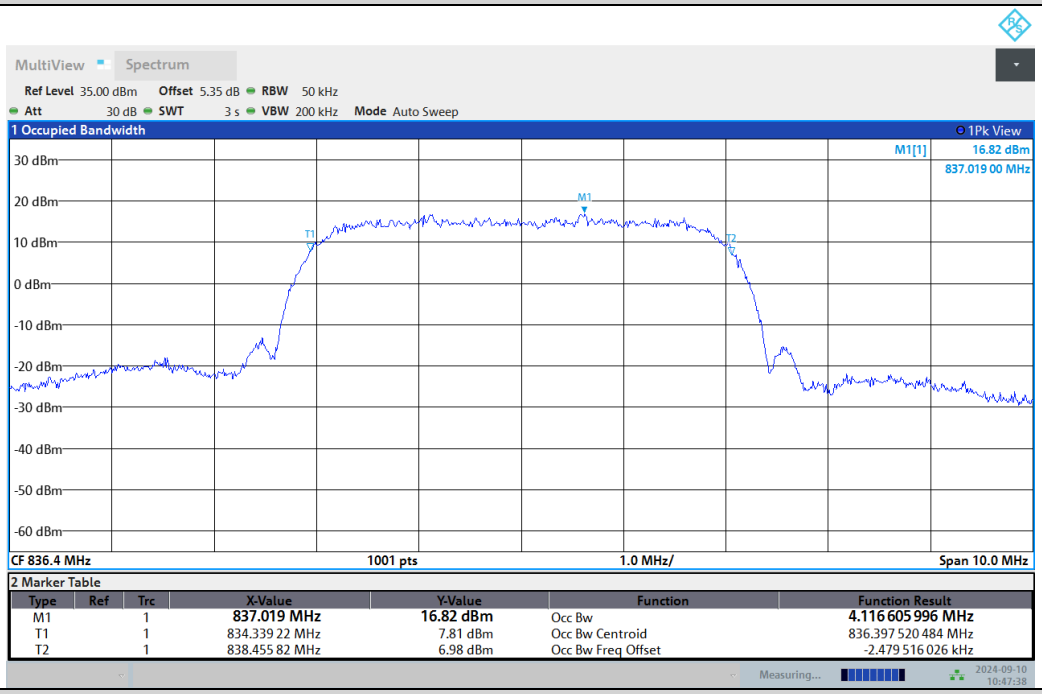
Test Graphs

Occupied Bandwidth

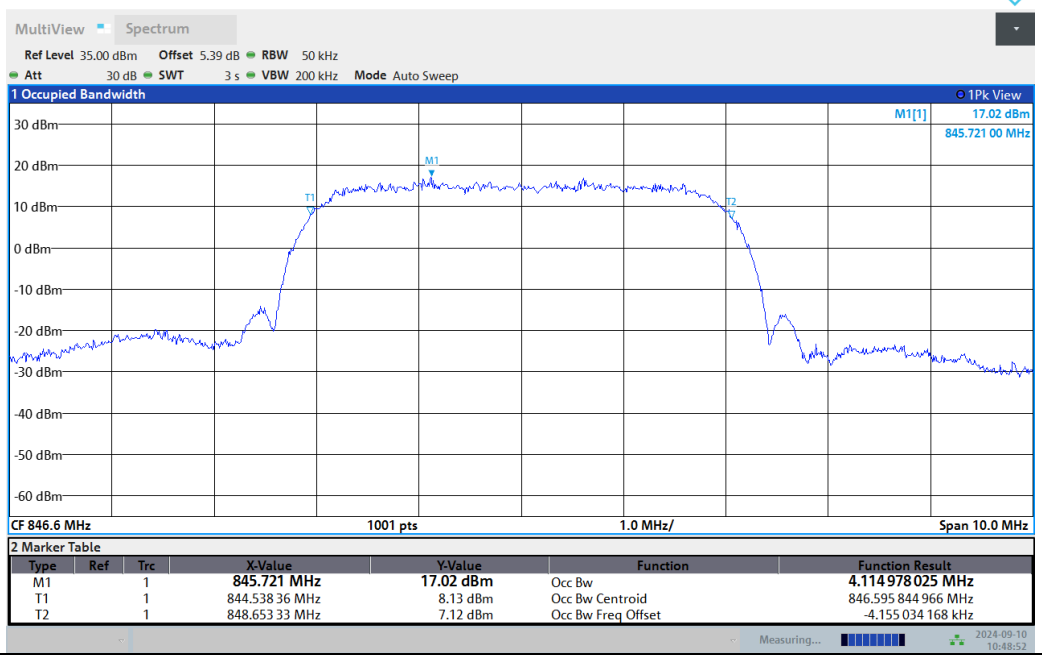
Band5-4132



Band5-4182

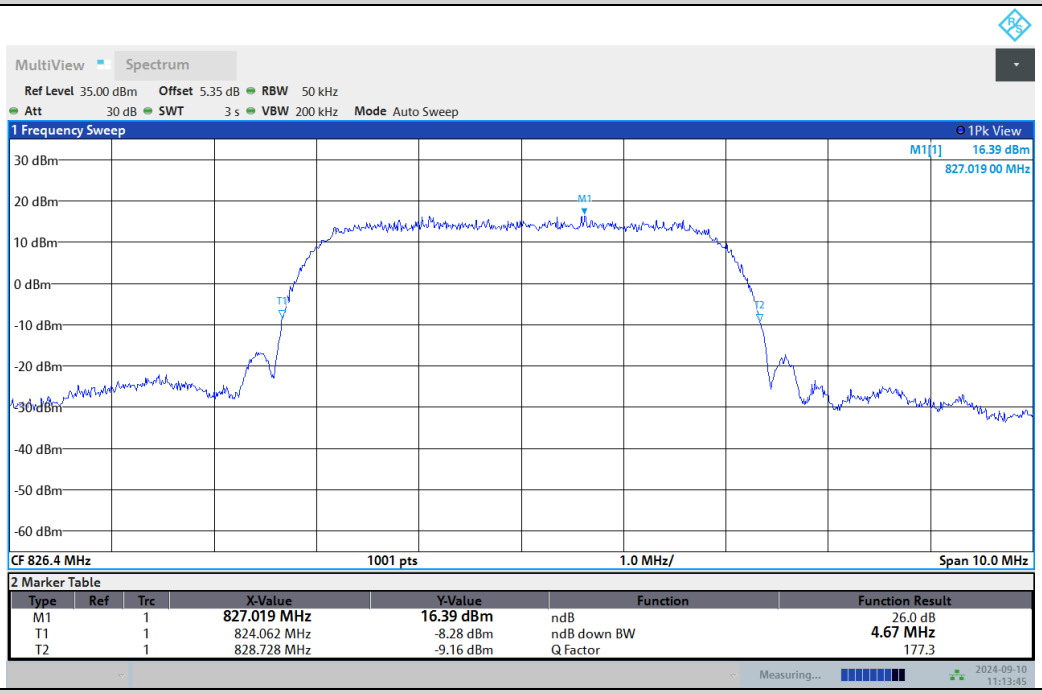


Band5-4233

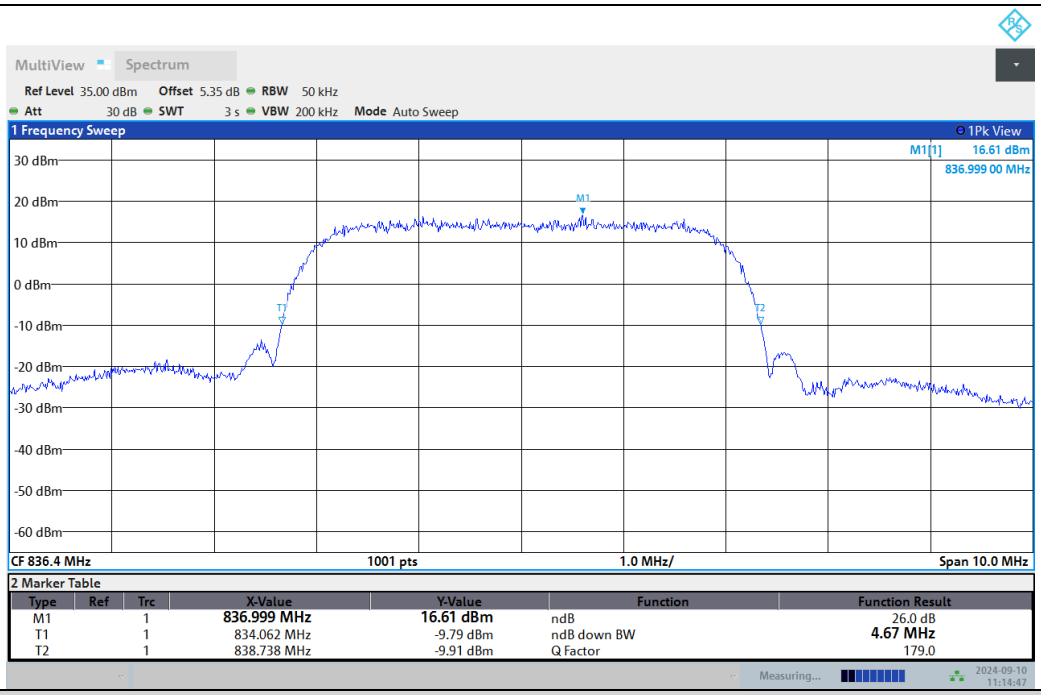


26dB Bandwidth

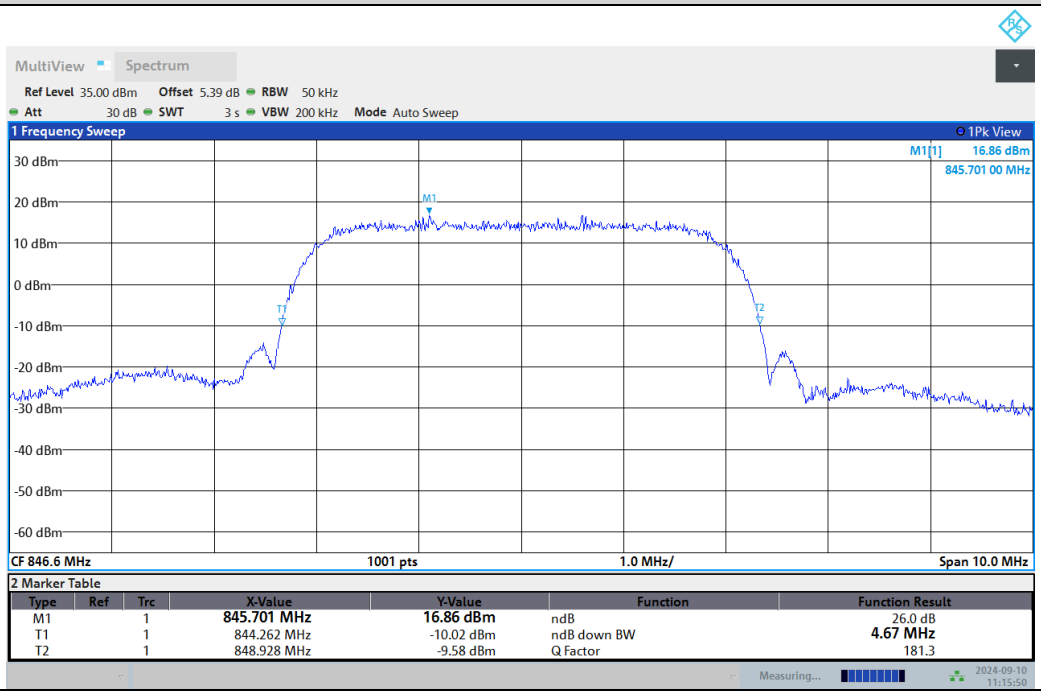
Band5-4132



Band5-4182


MultiView
Spectrum
Ref Level 35.00 dBm Offset 5.35 dB RBW 50 kHz
Att 30 dB SWT 3 s VBW 200 kHz Mode Auto Sweep
1 Frequency Sweep
1Pk View
M1[1] 16.61 dBm
836.999 00 MHz
30 dBm
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 836.4 MHz
1001 pts
1.0 MHz/
Span 10.0 MHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 836.999 MHz 16.61 dBm ndB 26.0 dB
T1 1 834.062 MHz -9.79 dBm ndB down BW 4.67 MHz
T2 1 838.738 MHz -9.91 dBm Q Factor 179.0
Measuring...
2024-09-10
11:14:47

Band5-4233


MultiView
Spectrum
Ref Level 35.00 dBm Offset 5.39 dB RBW 50 kHz
Att 30 dB SWT 3 s VBW 200 kHz Mode Auto Sweep
1 Frequency Sweep
1Pk View
M1[1] 16.86 dBm
845.701 00 MHz
30 dBm
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 846.6 MHz
1001 pts
1.0 MHz/
Span 10.0 MHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 845.701 MHz 16.86 dBm ndB 26.0 dB
T1 1 844.262 MHz -10.02 dBm ndB down BW 4.67 MHz
T2 1 848.928 MHz -9.58 dBm Q Factor 181.3
Measuring...
2024-09-10
11:15:50

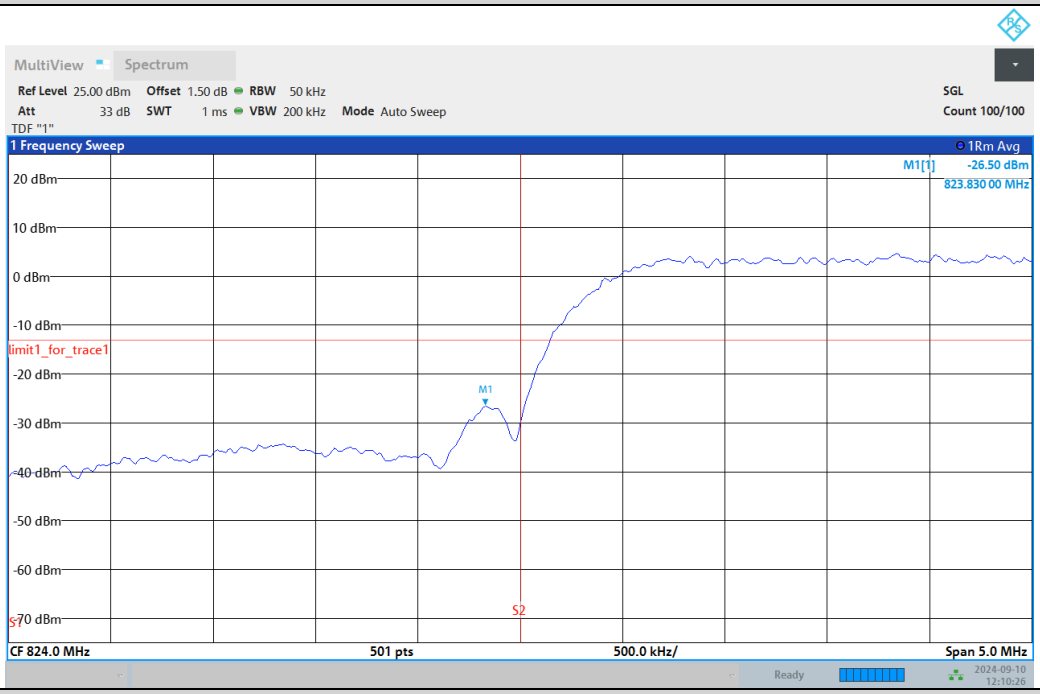
BAND EDGE

Test Result

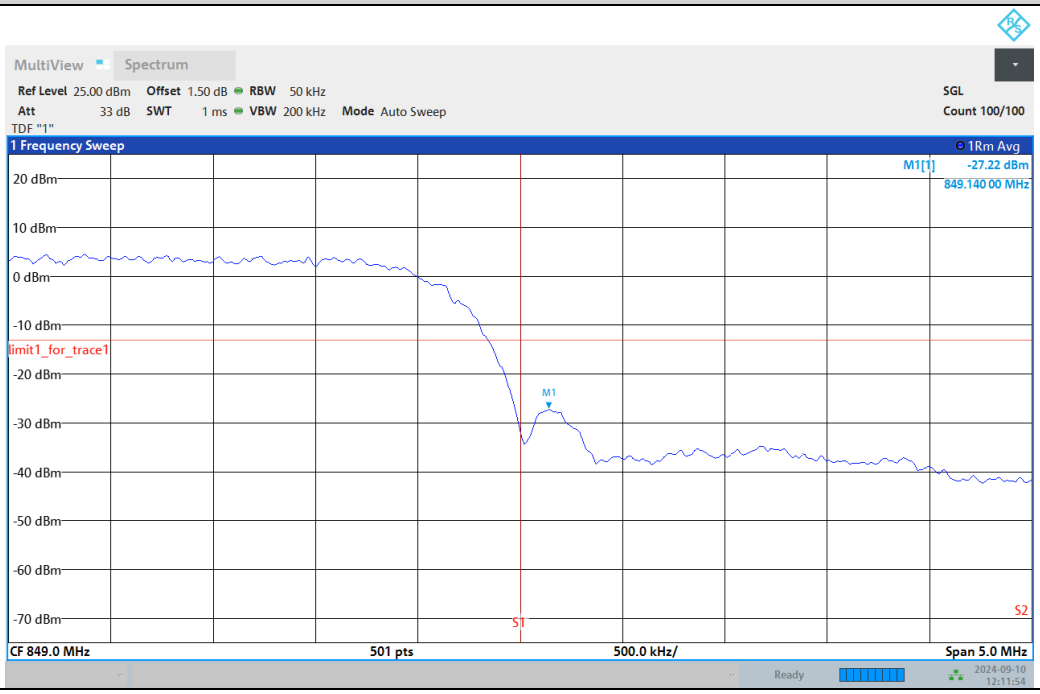
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.830	-26.50	-13	PASS
Band5	4233	849.140	-27.22	-13	PASS

Test Graphs

Band5-4132



Band5-4233



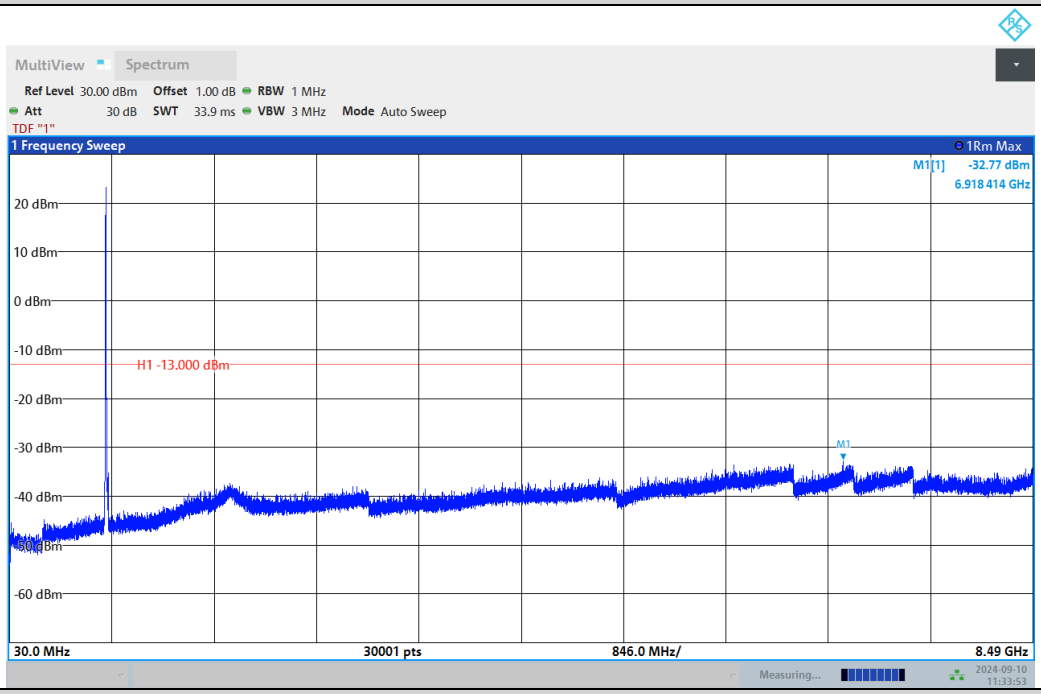
CONDUCTED SPURIOUS EMISSION

Test Result

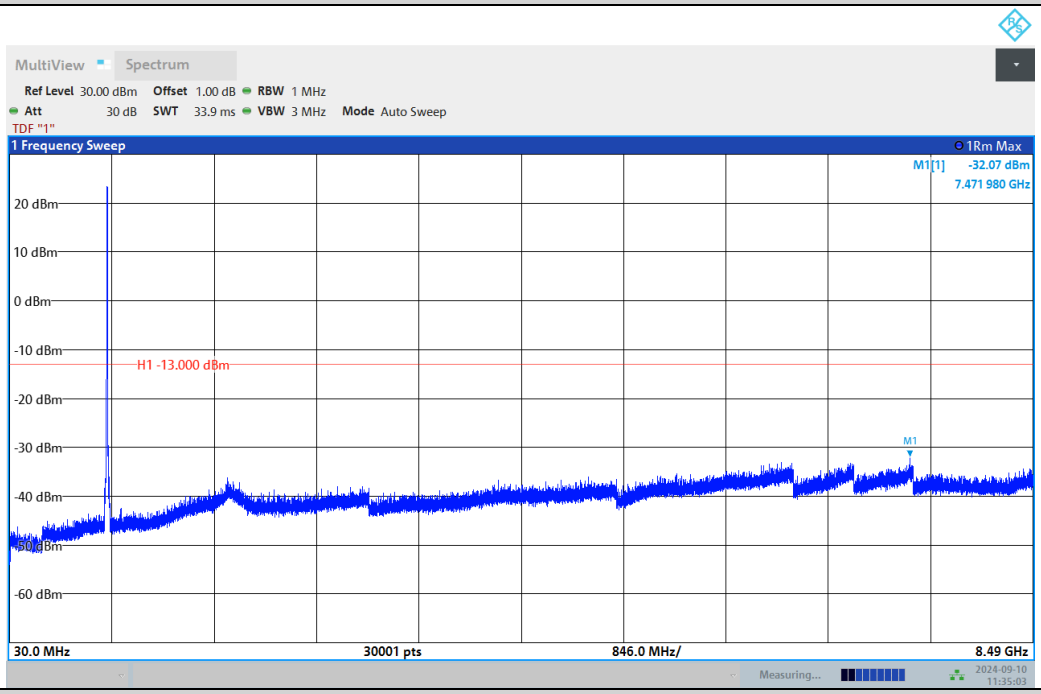
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	30~8490MHZ	6918.414	-32.77	-13	PASS
Band5	4182	30~8490MHZ	7471.980	-32.07	-13	PASS
Band5	4233	30~8490MHZ	7494.258	-32.71	-13	PASS

Test Graphs

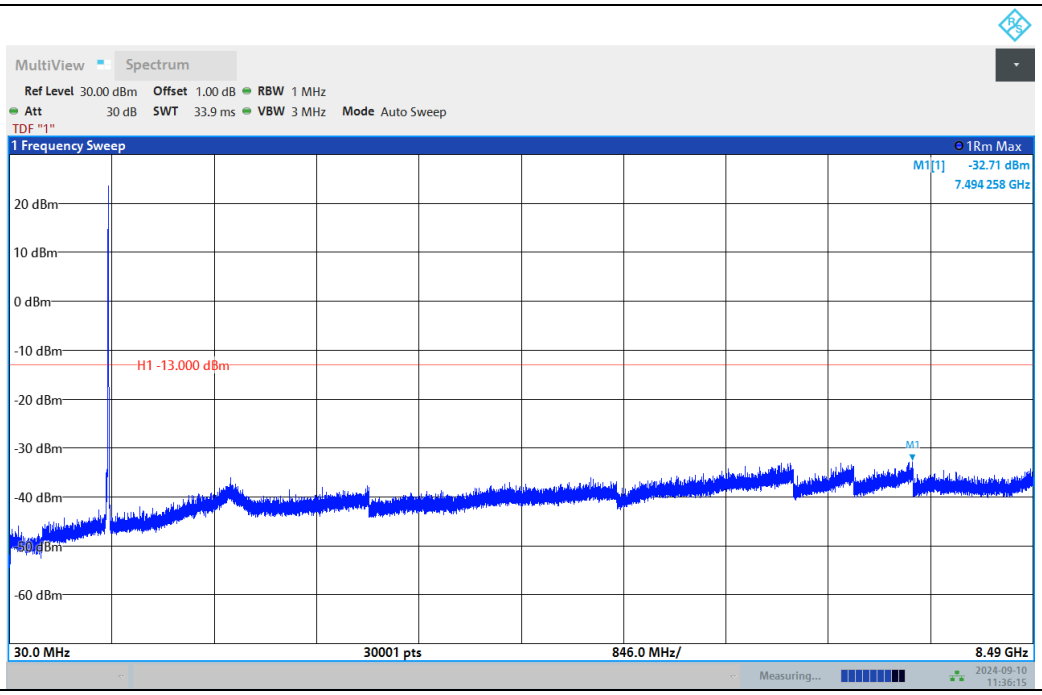
Band5-4132-30~8490MHZ



Band5-4182-30~8490MHZ



Band5-4233-30~8490MHZ


MultiView
Spectrum
Ref Level 30.00 dBm Offset 1.00 dB RBW 1 MHz
Att 30 dB SWT 33.9 ms VBW 3 MHz Mode Auto Sweep
TDF "1"
1 Frequency Sweep
1Rm Max
M1[1] -32.71 dBm
7.494 258 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
H1 -13.000 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
M1
30.0 MHz
30001 pts
846.0 MHz/
8.49 GHz
Measuring...
2024-09-10
11:36:15

FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	2.81	0.0034	±2.5	PASS
Band5	4132	VN	NT	-9.43	-0.0114	±2.5	PASS
Band5	4132	VH	NT	-5.38	-0.0065	±2.5	PASS
Band5	4182	VL	NT	-0.77	-0.0009	±2.5	PASS
Band5	4182	VN	NT	3.69	0.0044	±2.5	PASS
Band5	4182	VH	NT	9.28	0.0111	±2.5	PASS
Band5	4233	VL	NT	-4.96	-0.0059	±2.5	PASS
Band5	4233	VN	NT	-3.44	-0.0041	±2.5	PASS
Band5	4233	VH	NT	-7.30	-0.0086	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-5.84	0.0140	±2.5	PASS
Band5	4132	NV	-20	-5.49	0.0131	±2.5	PASS
Band5	4132	NV	-10	-3.01	-0.0036	±2.5	PASS
Band5	4132	NV	0	4.24	0.0051	±2.5	PASS
Band5	4132	NV	10	2.50	0.0030	±2.5	PASS
Band5	4132	NV	20	-8.36	-0.0101	±2.5	PASS
Band5	4132	NV	30	0.21	0.0003	±2.5	PASS
Band5	4132	NV	40	0.02	0.0000	±2.5	PASS
Band5	4132	NV	50	9.71	0.0117	±2.5	PASS
Band5	4182	NV	-30	0.62	0.0007	±2.5	PASS
Band5	4182	NV	-20	0.65	0.0008	±2.5	PASS
Band5	4182	NV	-10	3.43	0.0041	±2.5	PASS
Band5	4182	NV	0	-8.14	-0.0097	±2.5	PASS
Band5	4182	NV	10	5.93	0.0071	±2.5	PASS
Band5	4182	NV	20	-9.37	-0.0112	±2.5	PASS
Band5	4182	NV	30	8.96	0.0107	±2.5	PASS
Band5	4182	NV	40	-6.58	-0.0079	±2.5	PASS
Band5	4182	NV	50	6.64	0.0079	±2.5	PASS
Band5	4233	NV	-30	1.82	0.0021	±2.5	PASS
Band5	4233	NV	-20	-8.73	-0.0103	±2.5	PASS
Band5	4233	NV	-10	5.40	0.0064	±2.5	PASS
Band5	4233	NV	0	6.79	0.0080	±2.5	PASS
Band5	4233	NV	10	5.03	0.0059	±2.5	PASS
Band5	4233	NV	20	-9.89	-0.0117	±2.5	PASS
Band5	4233	NV	30	9.73	0.0115	±2.5	PASS

Band5	4233	NV	40	4.19	0.0049	±2.5	PASS
Band5	4233	NV	50	5.65	0.0067	±2.5	PASS

MAX Deviation calculation

Frequency Stability	Frequency(MHz)	Limit Line(MHz)	Result
fL-|MAX(△f)|	824.3194906	≥824	PASS
fH+|MAX(△f)|	848.6790094	≤849	

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)| = 9.36Hz.

LTE BAND5

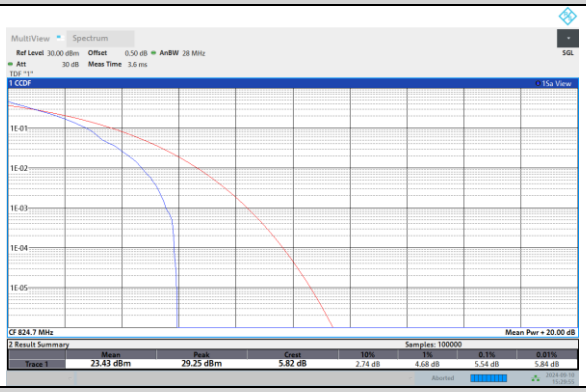
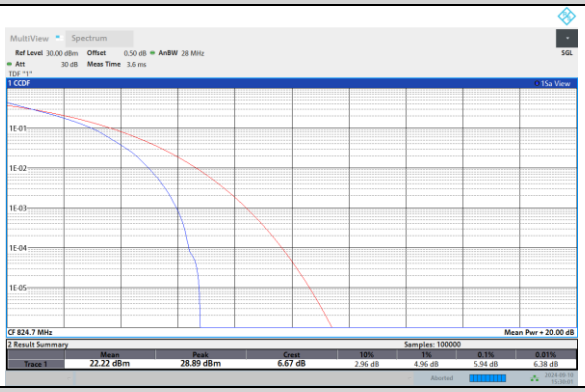
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	6.38	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	6.34	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.84	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	6.12	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.32	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.78	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.68	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	7.00	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.86	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.78	13	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	7.42	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	7.46	13	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	7.58	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	7.48	13	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	7.54	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	7.04	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.98	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.96	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	6.40	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.86	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	6.14	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.38	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	7.00	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.88	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	7.18	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.44	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	7.12	13	PASS
Band5	3MHz	64QAM	20415	1RB#0	6.40	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	7.20	13	PASS
Band5	3MHz	64QAM	20525	1RB#0	7.68	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	7.52	13	PASS
Band5	3MHz	64QAM	20635	1RB#0	7.08	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	7.36	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.96	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.64	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.88	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	6.18	13	PASS

Band5	5MHz	16QAM	20425	1RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.74	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.38	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.96	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.50	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.96	13	PASS
Band5	5MHz	64QAM	20425	1RB#0	6.30	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	7.10	13	PASS
Band5	5MHz	64QAM	20525	1RB#0	7.18	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	7.30	13	PASS
Band5	5MHz	64QAM	20625	1RB#0	7.46	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	7.20	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.52	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.72	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	6.08	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.52	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.74	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.92	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.90	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.48	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.86	13	PASS
Band5	10MHz	64QAM	20450	1RB#0	6.44	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	7.00	13	PASS
Band5	10MHz	64QAM	20525	1RB#0	6.44	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	7.22	13	PASS
Band5	10MHz	64QAM	20600	1RB#0	7.16	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	7.12	13	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0	Band5-1.4MHz-QPSK-20407-6RB#0
	
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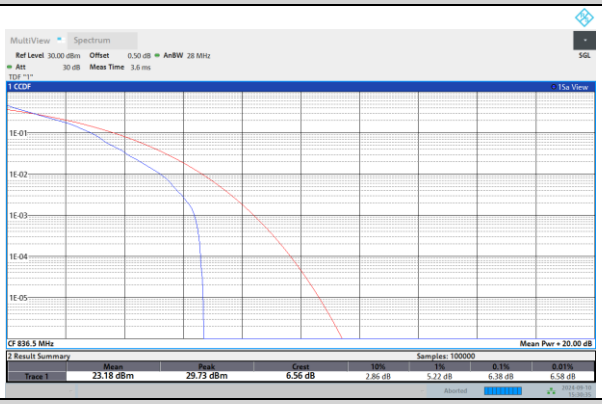	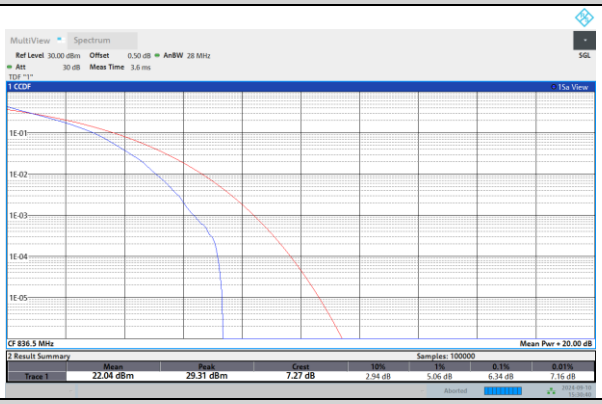
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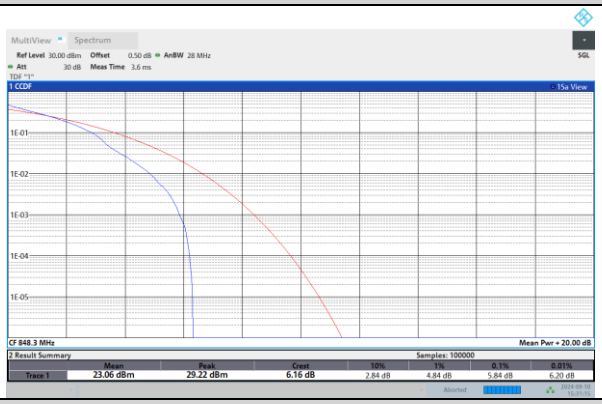	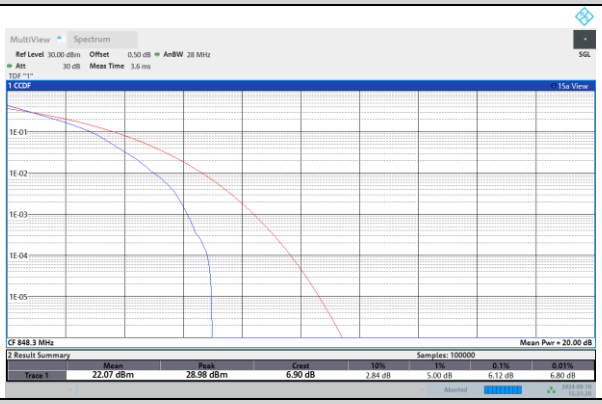
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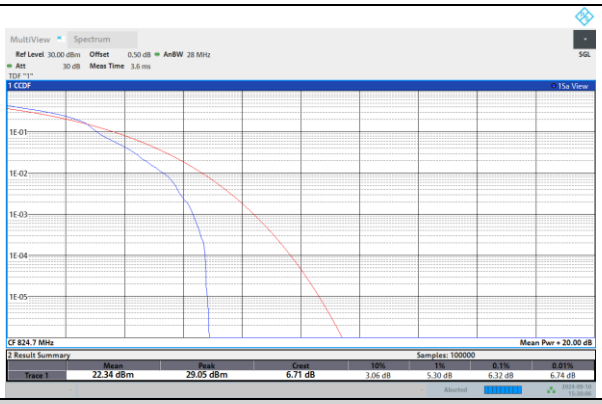
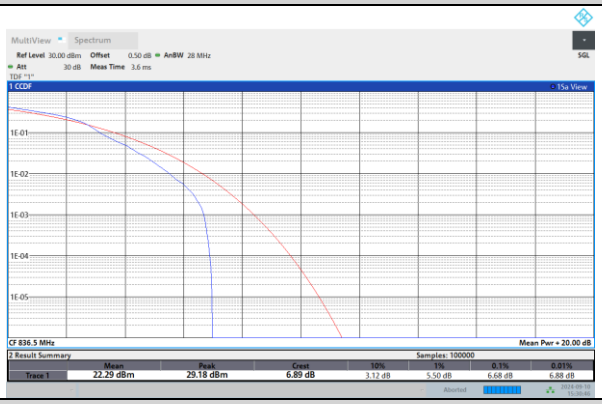


Band5-1.4MHz-16QAM-20525-1RB#0

Band5-1.4MHz-16QAM-20525-6RB#0



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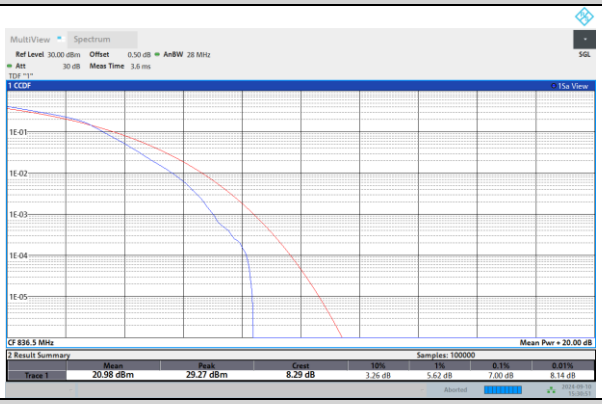

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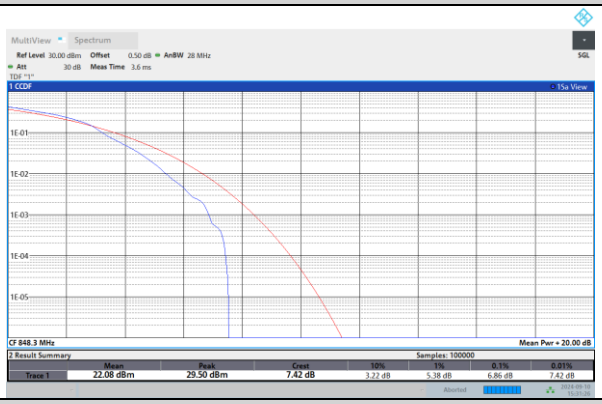
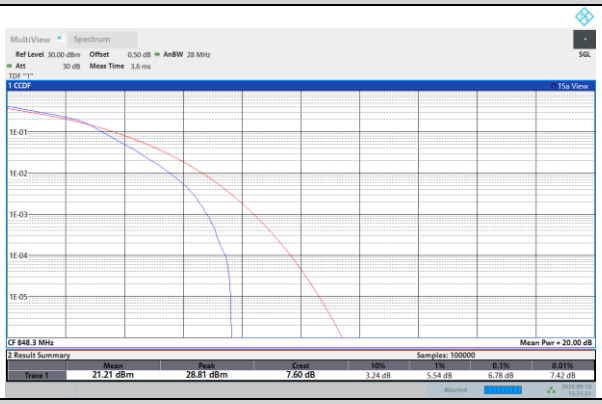
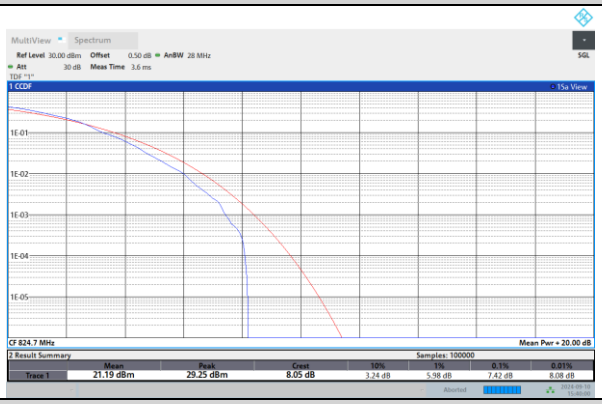


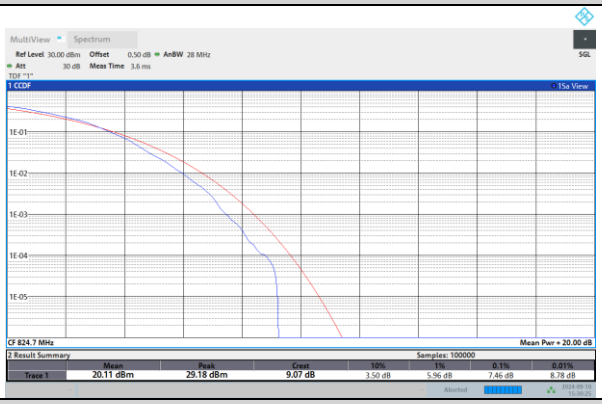
Band5-1.4MHz-64QAM-20407-1RB#0



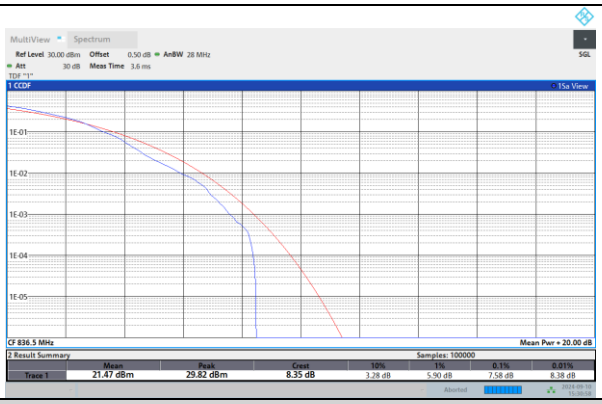
Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-1RB#0

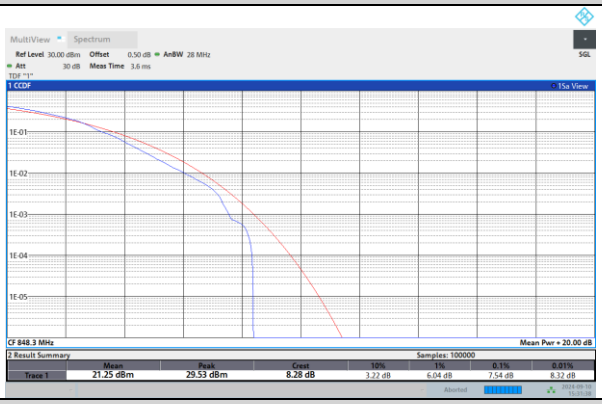


Band5-1.4MHz-64QAM-20525-6RB#0



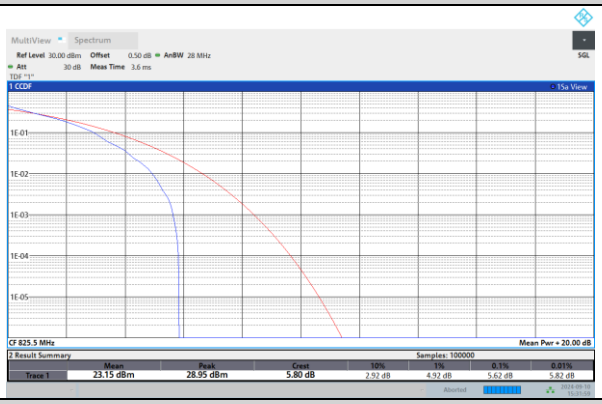
Band5-1.4MHz-64QAM-20643-1RB#0

Band5-1.4MHz-64QAM-20643-6RB#0

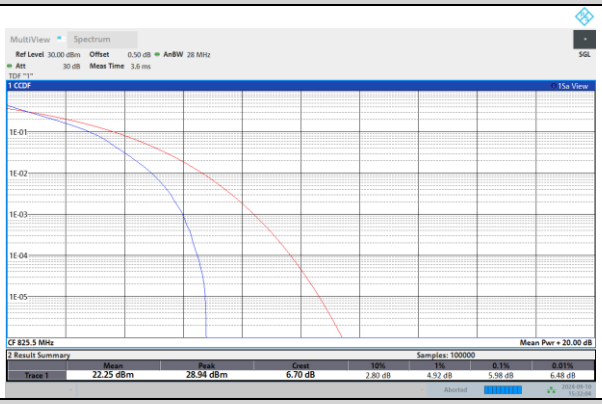


Band5-3MHz-QPSK-20415-1RB#0

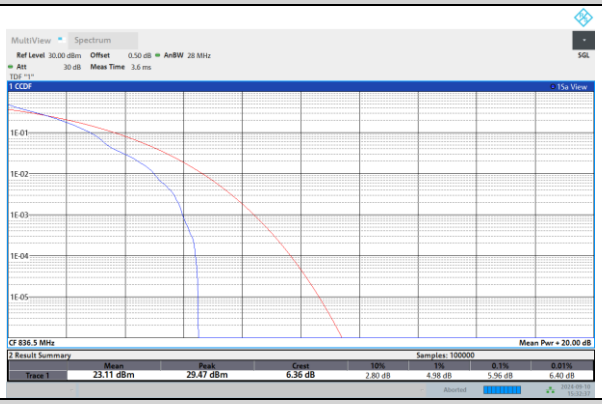
Band5-3MHz-QPSK-20415-6RB#0



Band5-3MHz-QPSK-20525-1RB#0



Band5-3MHz-QPSK-20525-6RB#0



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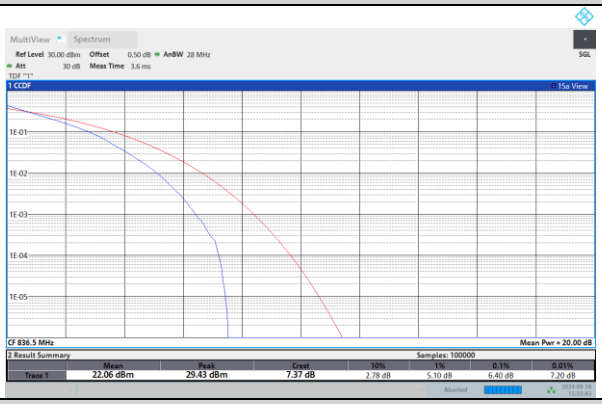
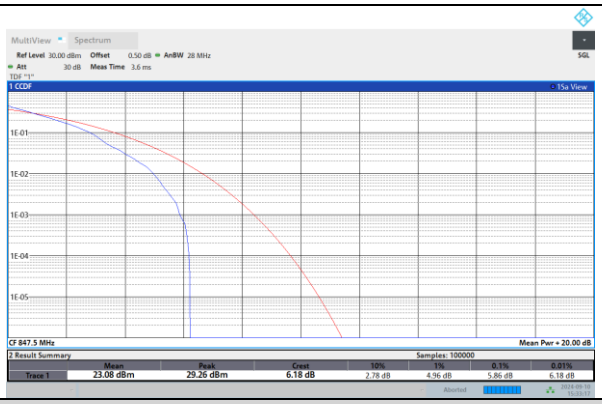
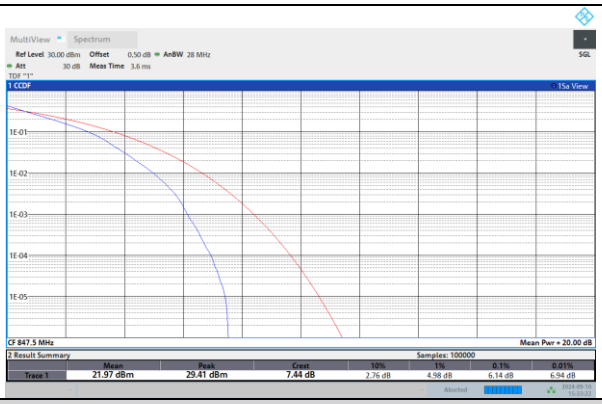


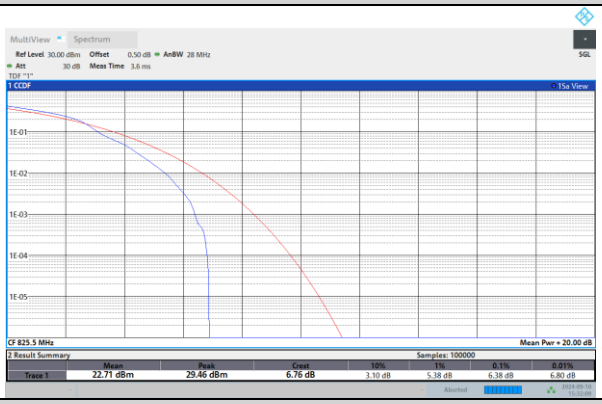
Band5-3MHz-QPSK-20635-6RB#0



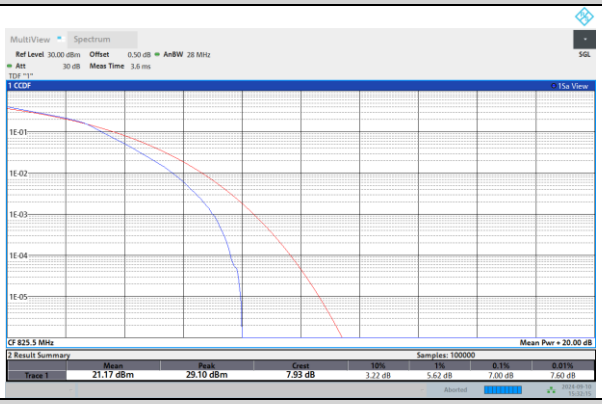
Band5-3MHz-16QAM-20415-1RB#0



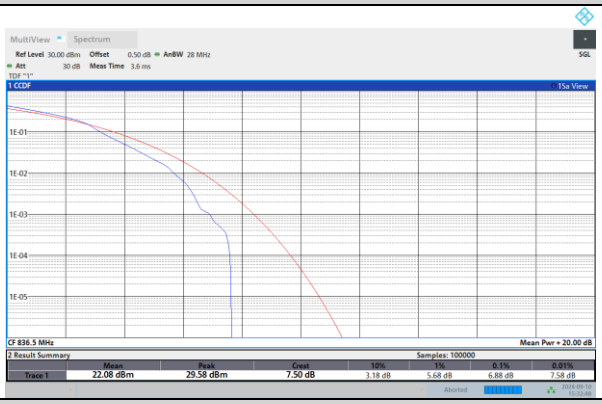
Band5-3MHz-16QAM-20415-6RB#0



Band5-3MHz-16QAM-20525-1RB#0



Band5-3MHz-16QAM-20525-6RB#0



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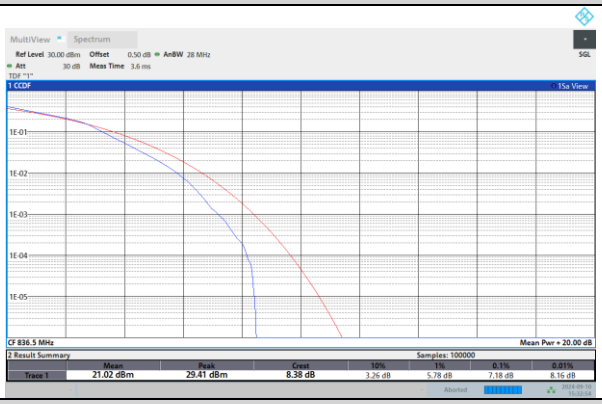

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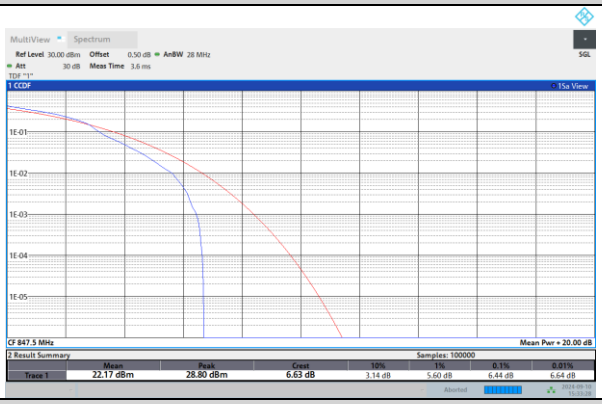

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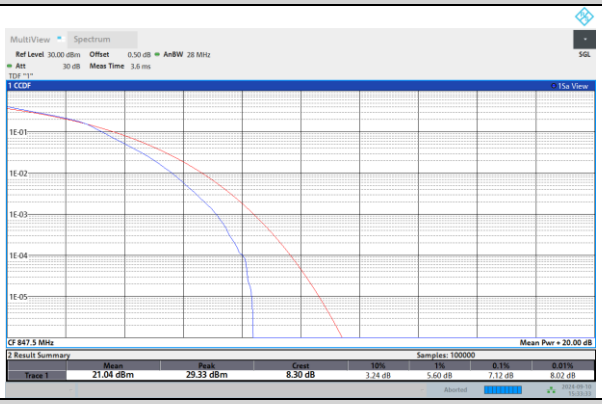

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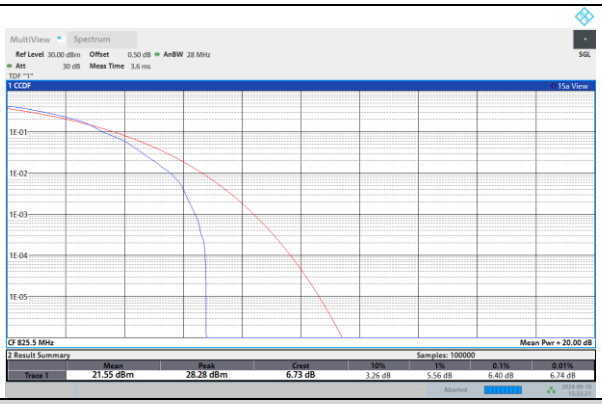

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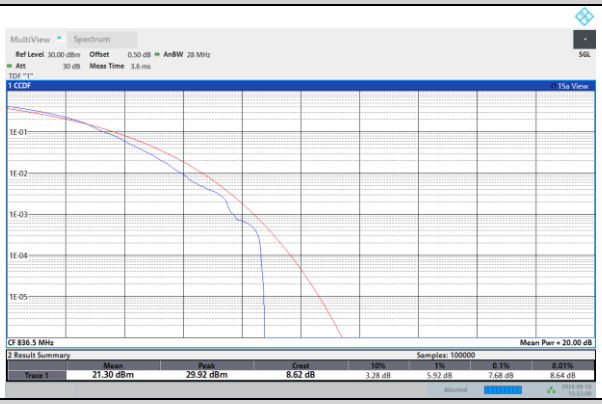

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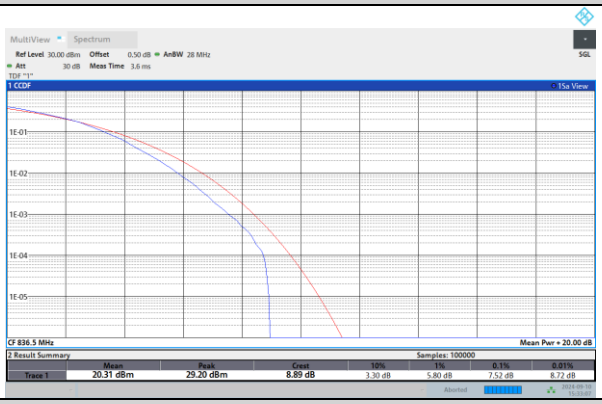

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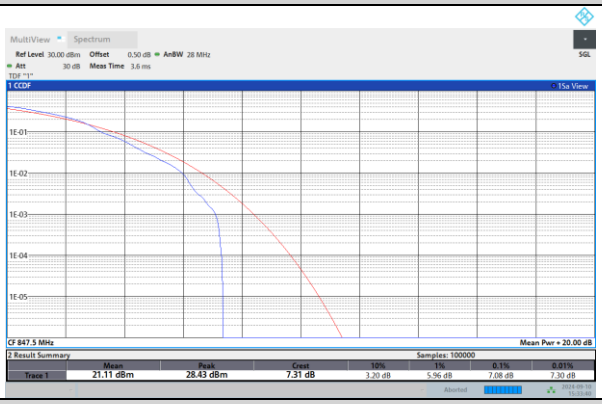

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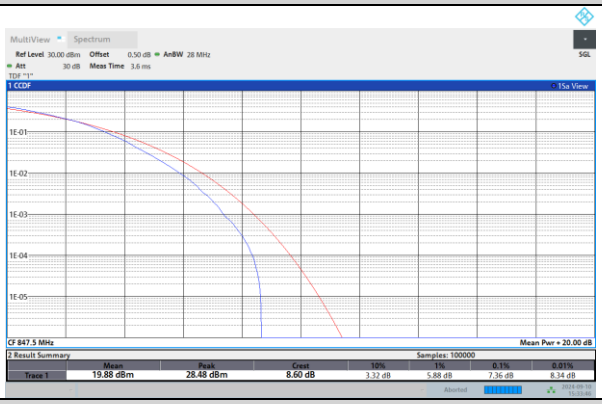

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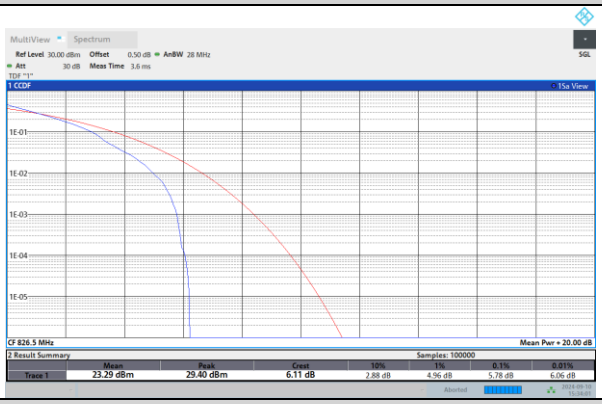

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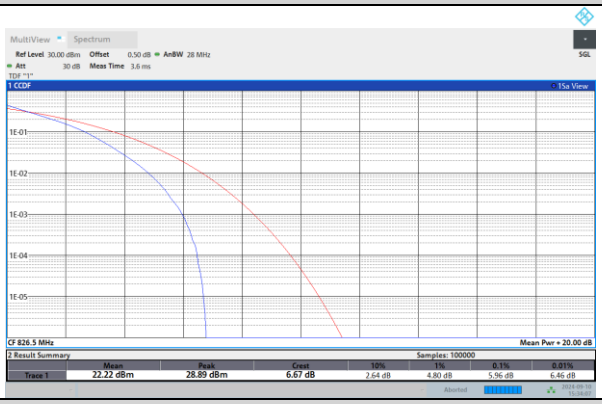

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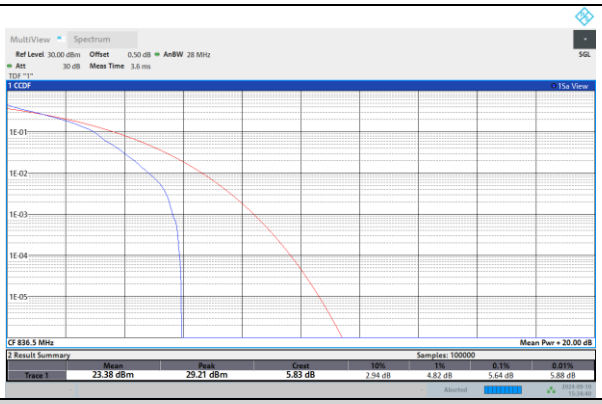

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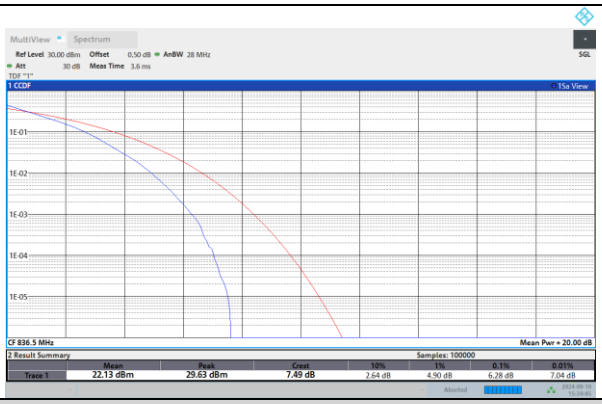
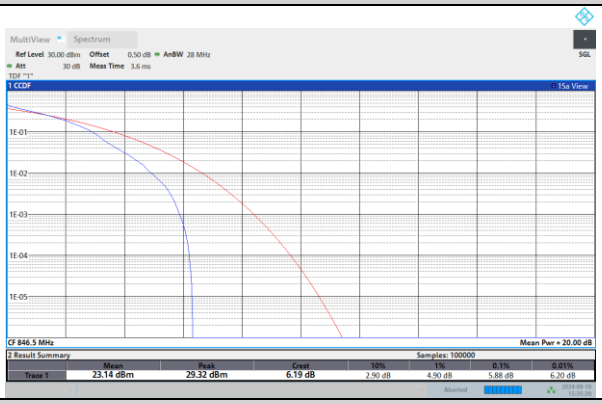


Band5-5MHz-QPSK-20625-6RB#0



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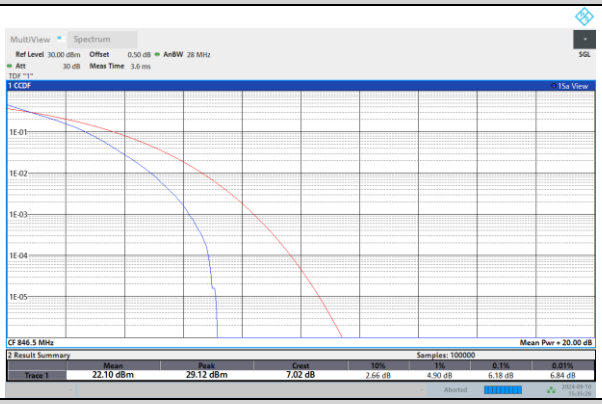

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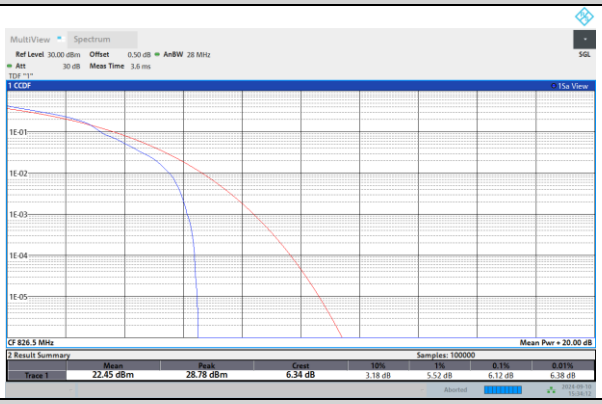
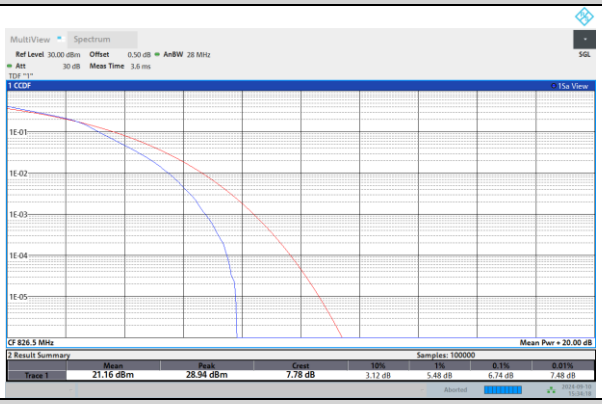
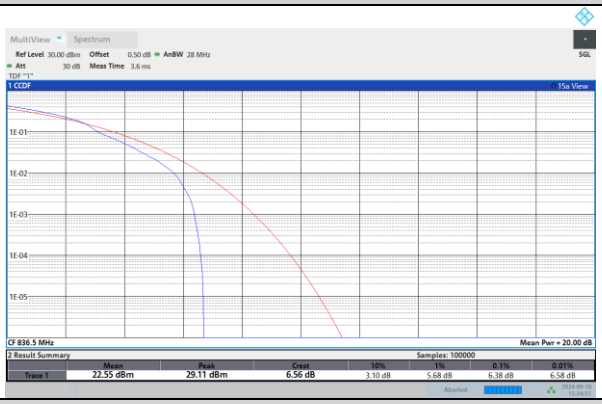


Band5-5MHz-16QAM-20525-1RB#0



Band5-5MHz-16QAM-20525-6RB#0

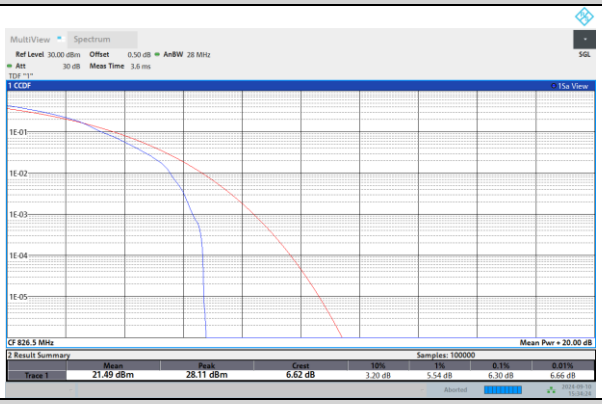


Band5-5MHz-16QAM-20625-1RB#0

Band5-5MHz-16QAM-20625-6RB#0

Band5-5MHz-64QAM-20425-1RB#0

Band5-5MHz-64QAM-20425-6RB#0



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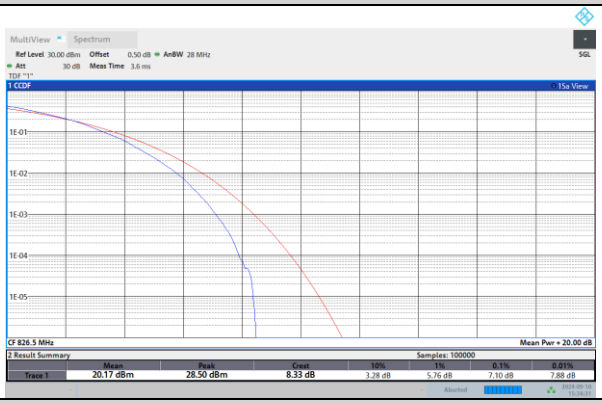

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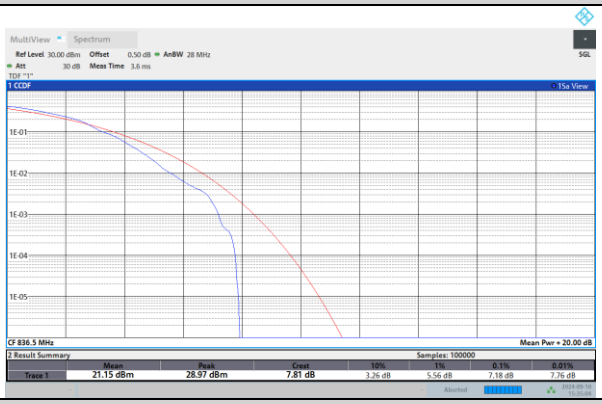

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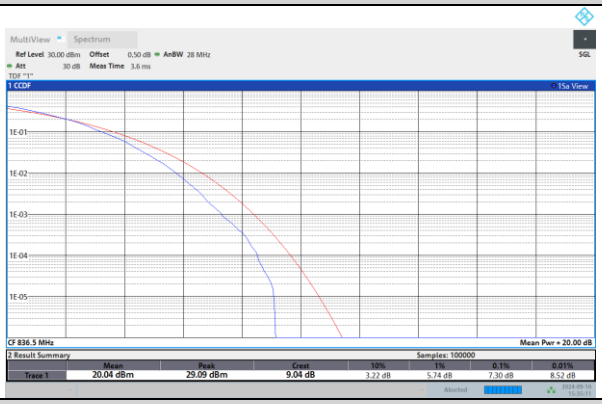

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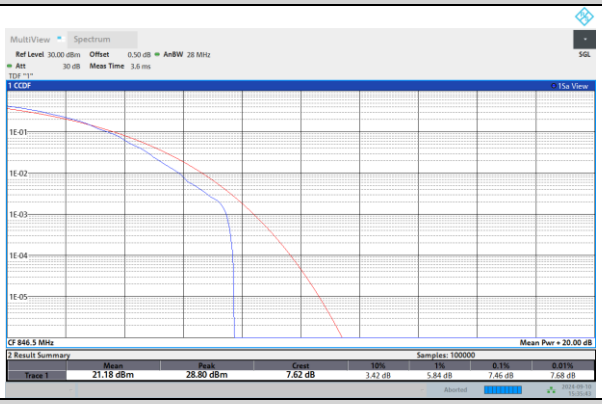

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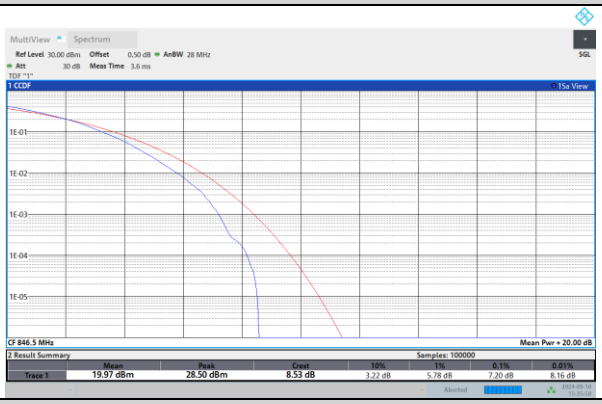

Band5-10MHz-QPSK-20450-6RB#0

Band5-10MHz-QPSK-20525-1RB#0

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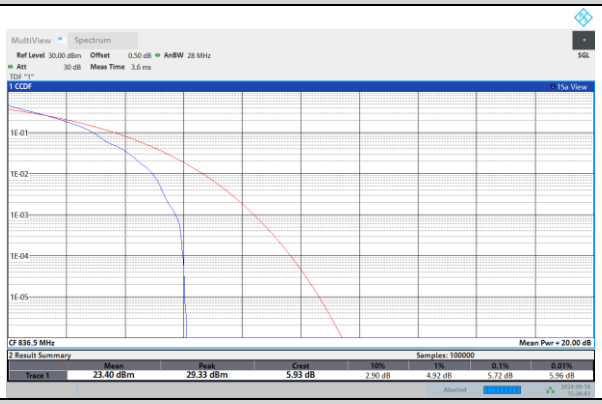

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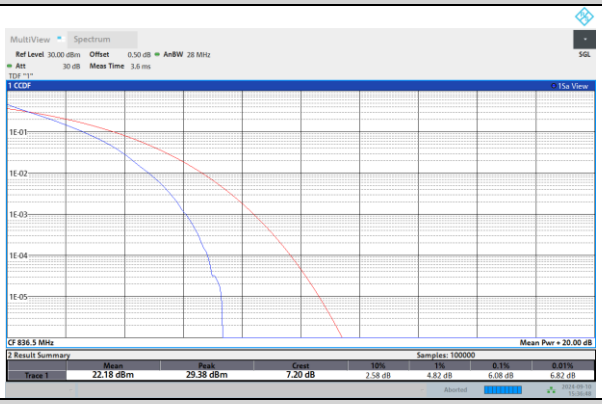

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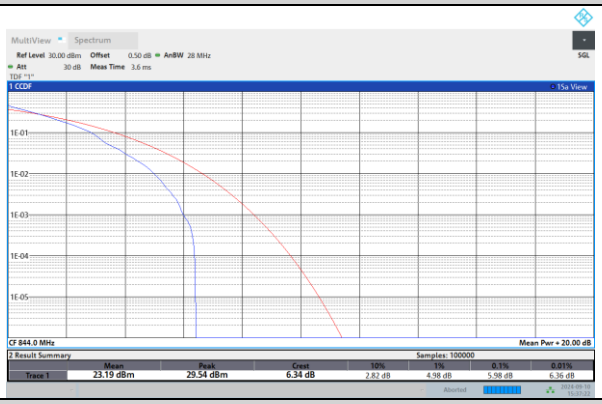
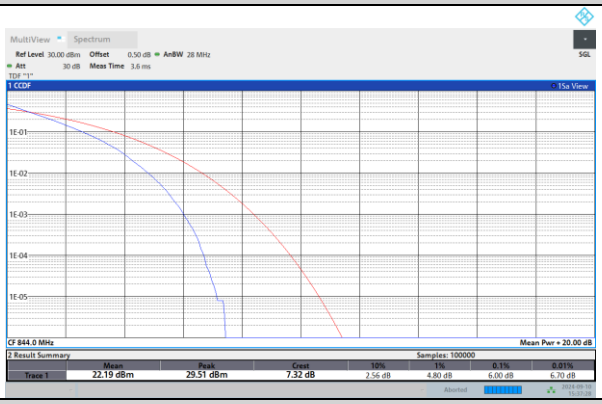


Band5-10MHz-16QAM-20450-1RB#0



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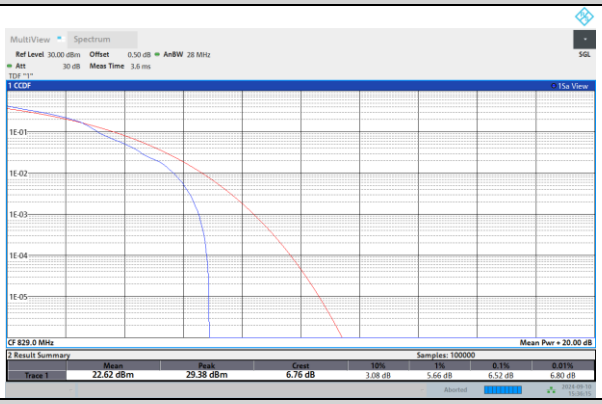

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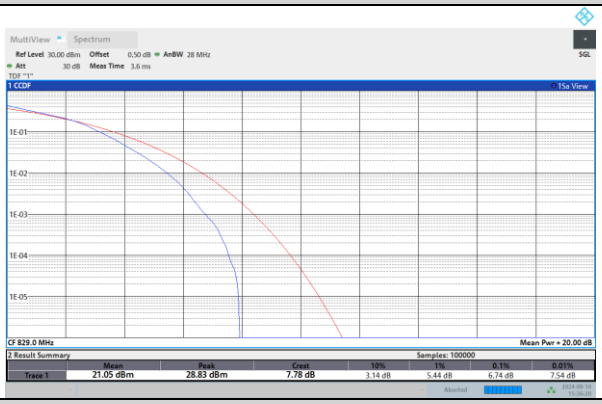

Band5-10MHz-16QAM-20525-6RB#0

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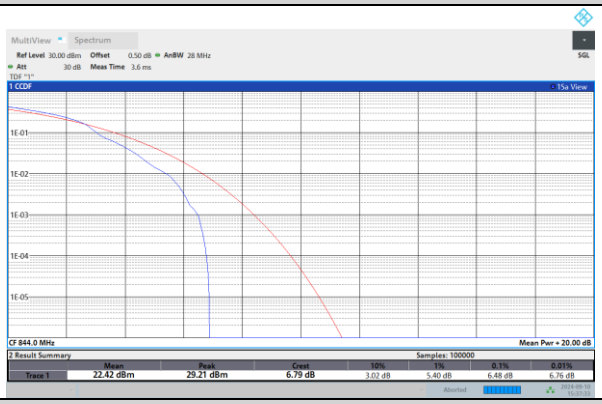
Band5-10MHz-16QAM-20600-6RB#0



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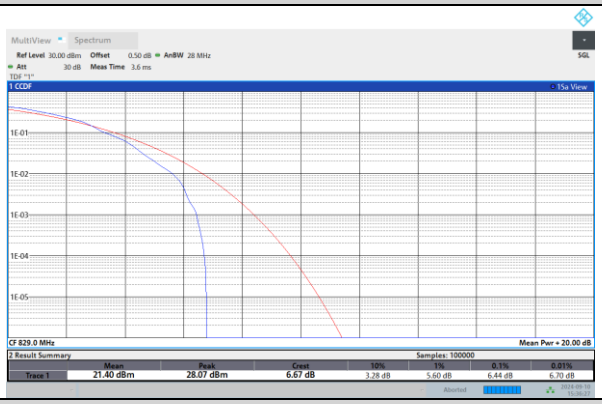

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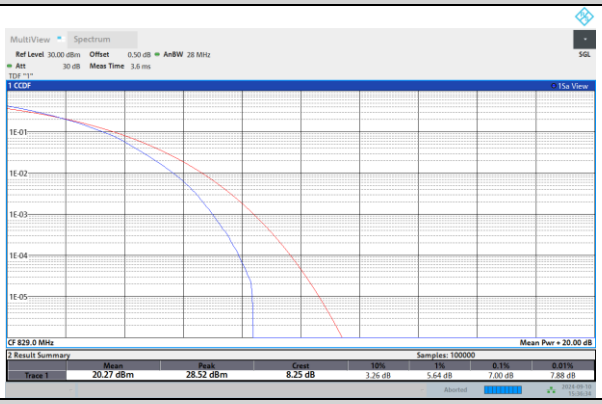

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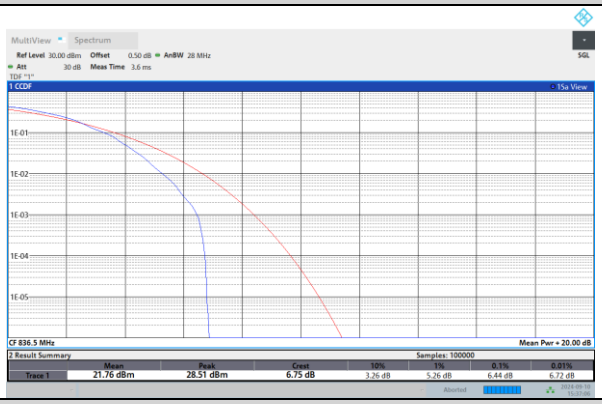

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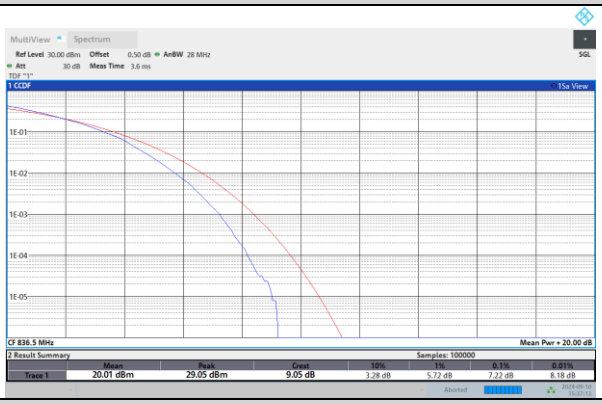
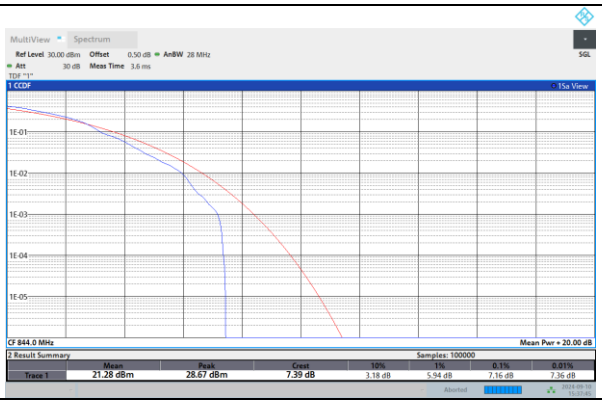


Band5-10MHz-64QAM-20600-6RB#0


MultiView
Spectrum
Ref Level 30.00 dBm Offset 0.50 dB AnBW 28 MHz
Att 30 dB Meas Time 3.6 ms
TDF "1"
SGL
1 CCDF
15a View
1E-01
1E-02
1E-03
1E-04
1E-05
CF 844.0 MHz
Mean Pwr = 20.00 dB
2 Result Summary
Samples: 100000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 21.28 dBm 28.67 dBm 7.39 dB 3.18 dB 5.94 dB 7.16 dB 7.36 dB
Aborted

MultiView
Spectrum
Ref Level 30.00 dBm Offset 0.50 dB AnBW 28 MHz
Att 30 dB Meas Time 3.6 ms
TDF "1"
SGL
1 CCDF
15a View
1E-01
1E-02
1E-03
1E-04
1E-05
CF 844.0 MHz
Mean Pwr = 20.00 dB
2 Result Summary
Samples: 100000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 20.07 dBm 29.30 dBm 9.23 dB 3.26 dB 5.66 dB 7.12 dB 8.02 dB
Aborted

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

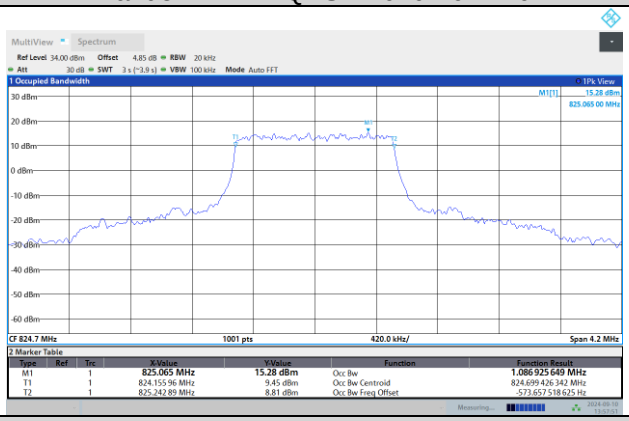
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.30	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.095	1.27	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.094	1.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.090	1.29	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.086	1.28	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.098	1.33	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.087	1.26	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	2.93	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.695	2.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.690	2.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.692	2.97	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.96	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.688	2.94	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.695	2.96	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.689	2.93	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.693	2.95	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.491	4.92	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.487	4.92	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.478	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.481	4.87	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.495	4.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.487	4.97	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.481	4.92	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.491	4.95	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.479	4.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.962	9.74	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.947	9.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.942	9.80	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.946	9.77	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.960	9.71	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.949	9.74	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.939	9.71	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.956	9.71	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.948	9.68	PASS

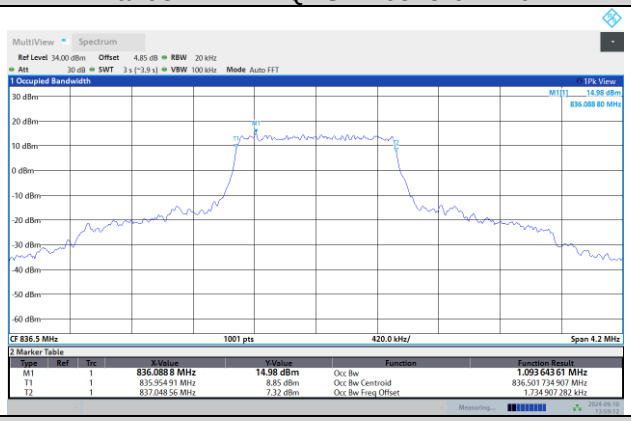
Test Graphs

Occupied Bandwidth

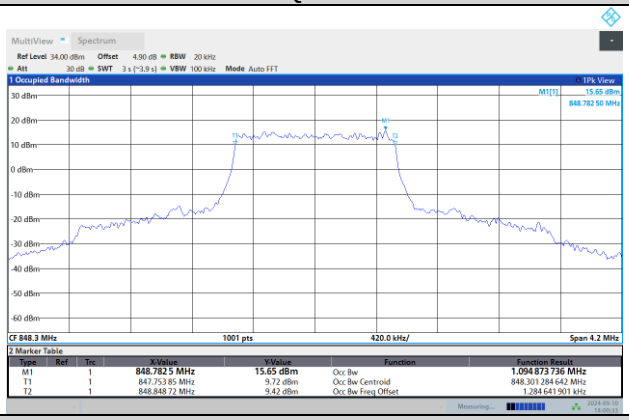
Band5-1.4MHz-QPSK-20407-6RB#0



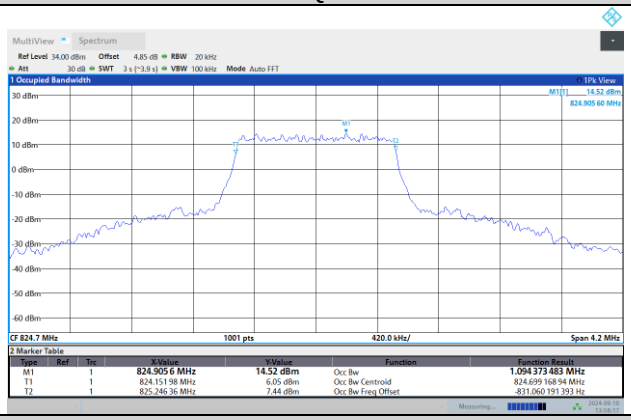
Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



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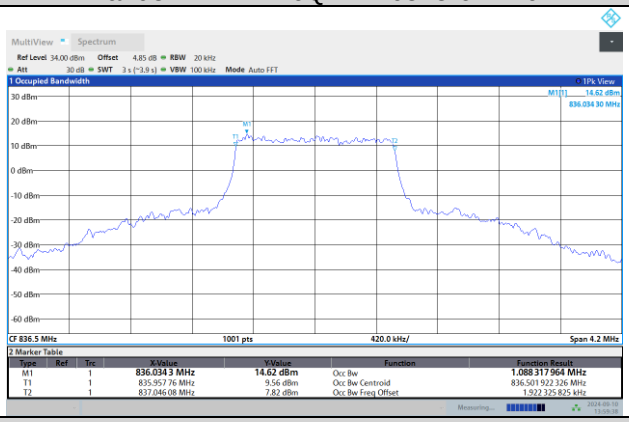

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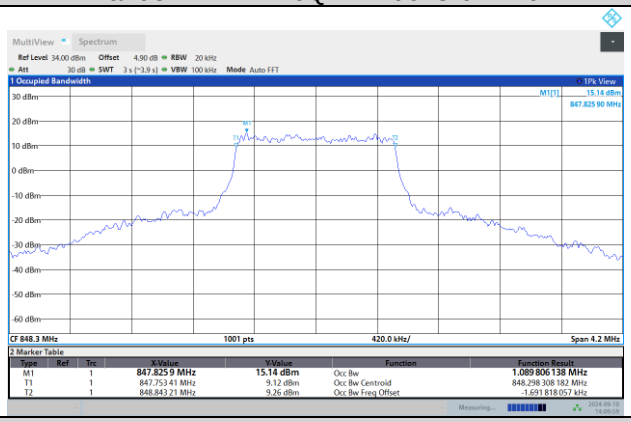

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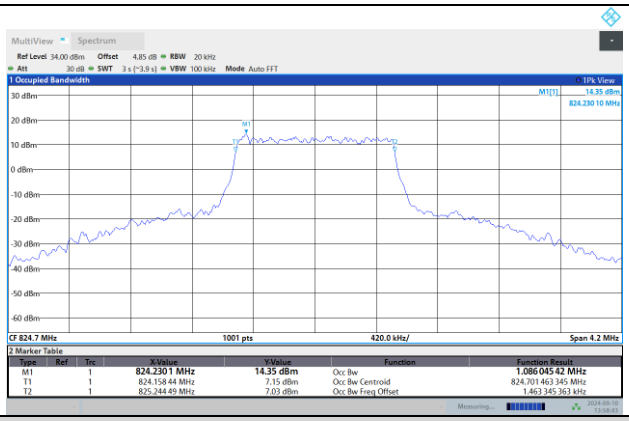

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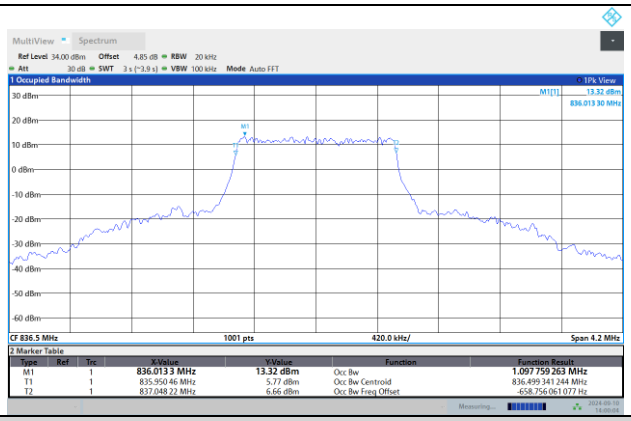

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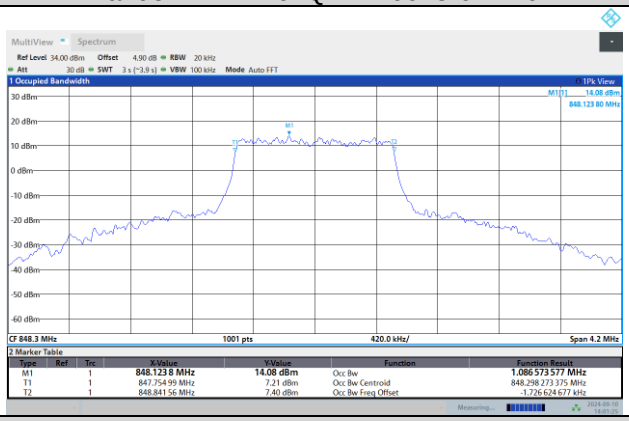

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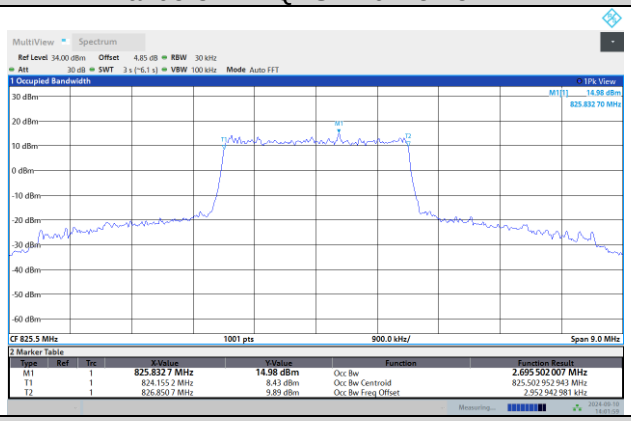

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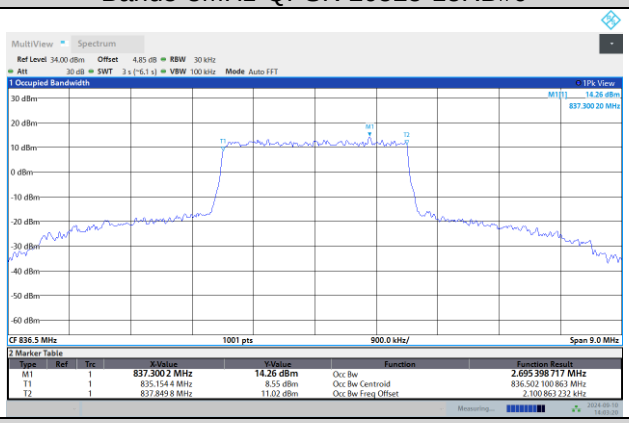

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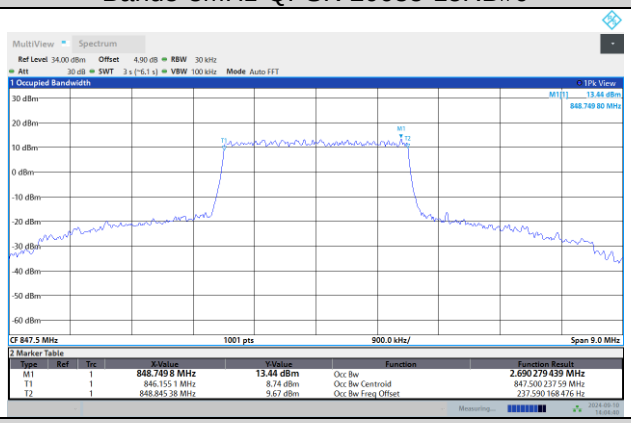

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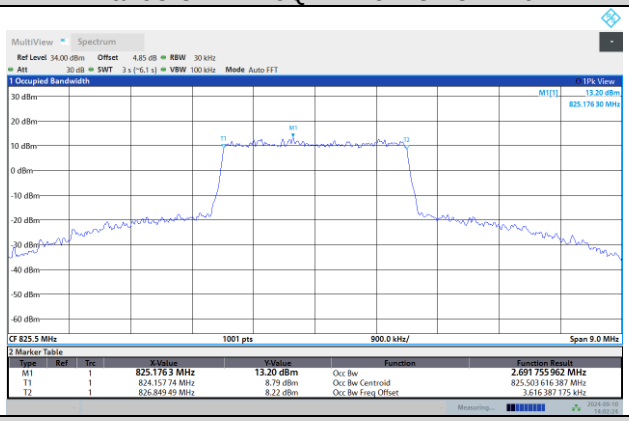

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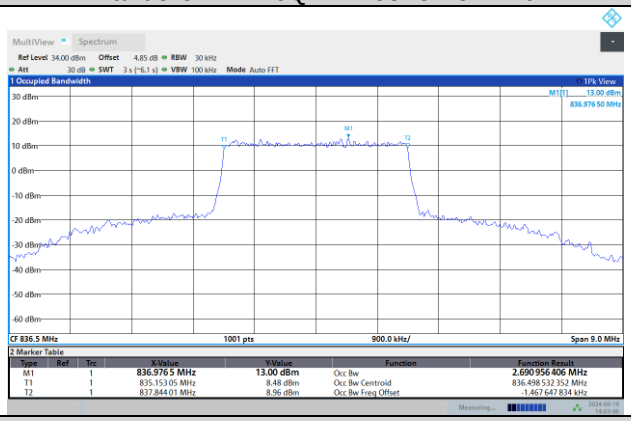

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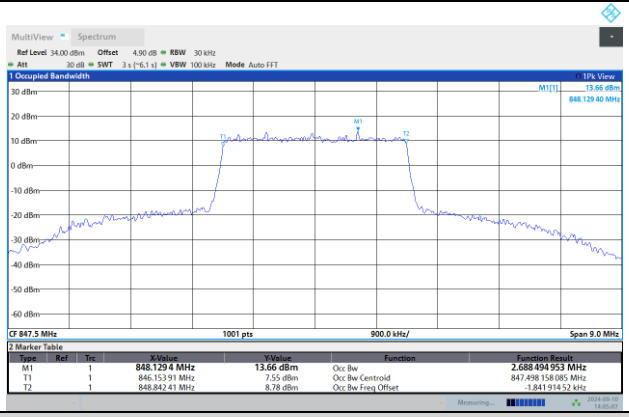

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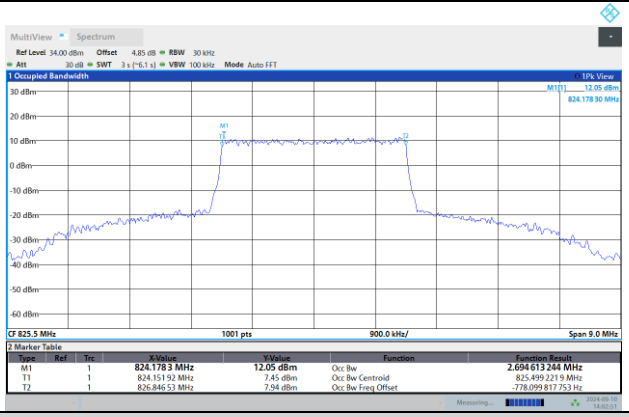

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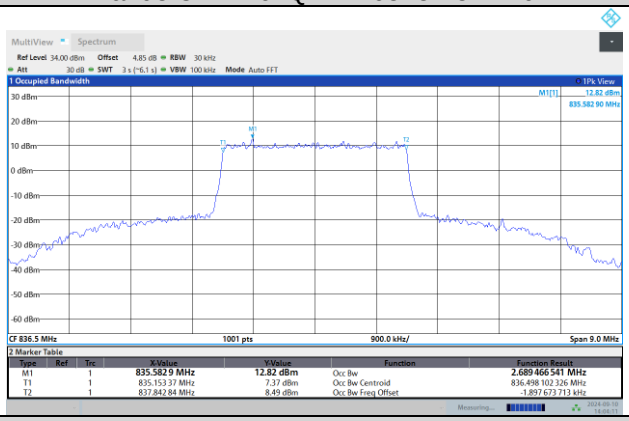

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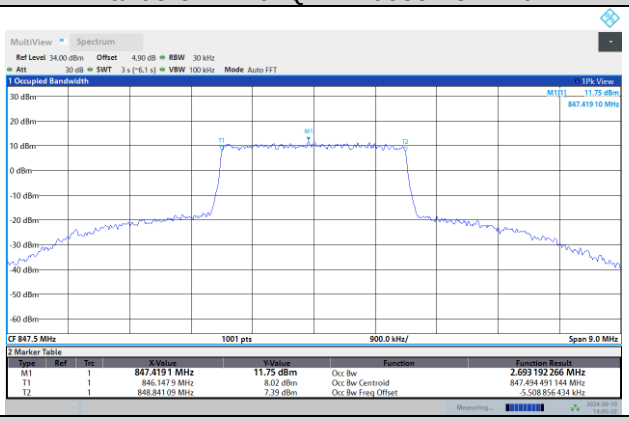

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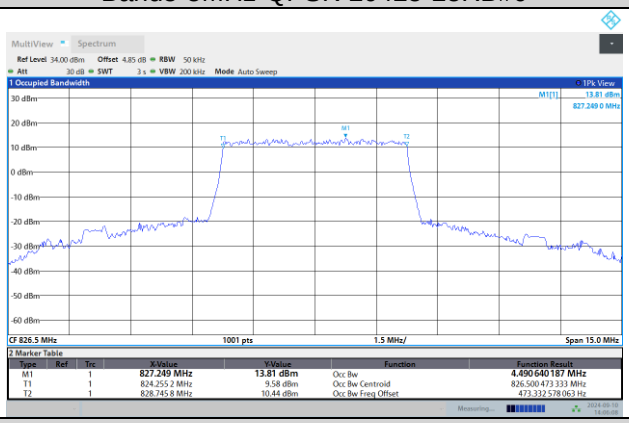

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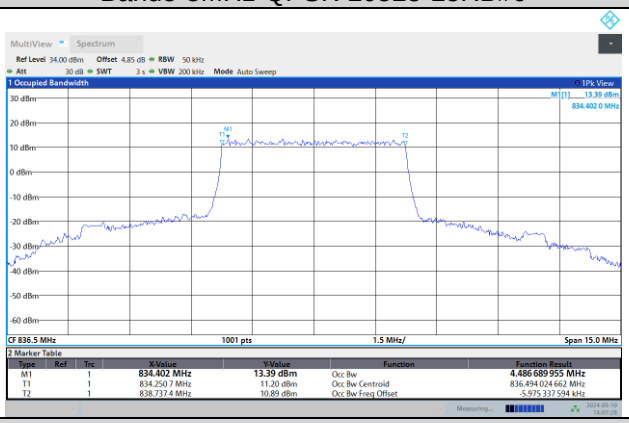

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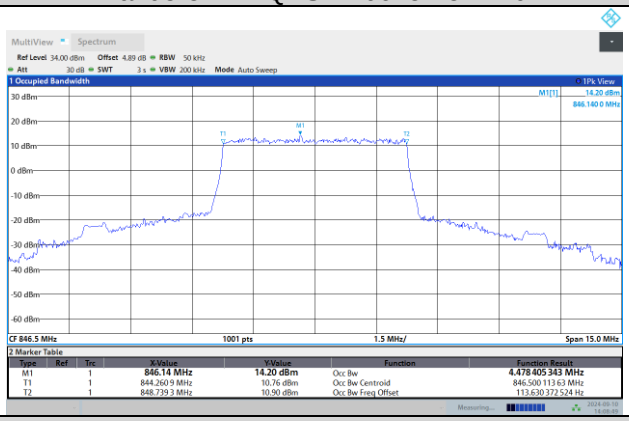

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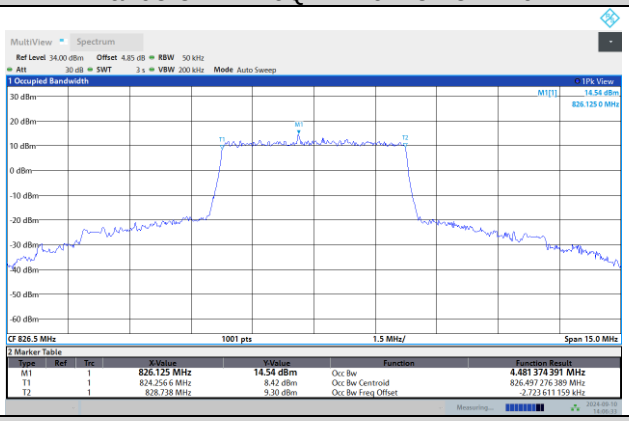

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