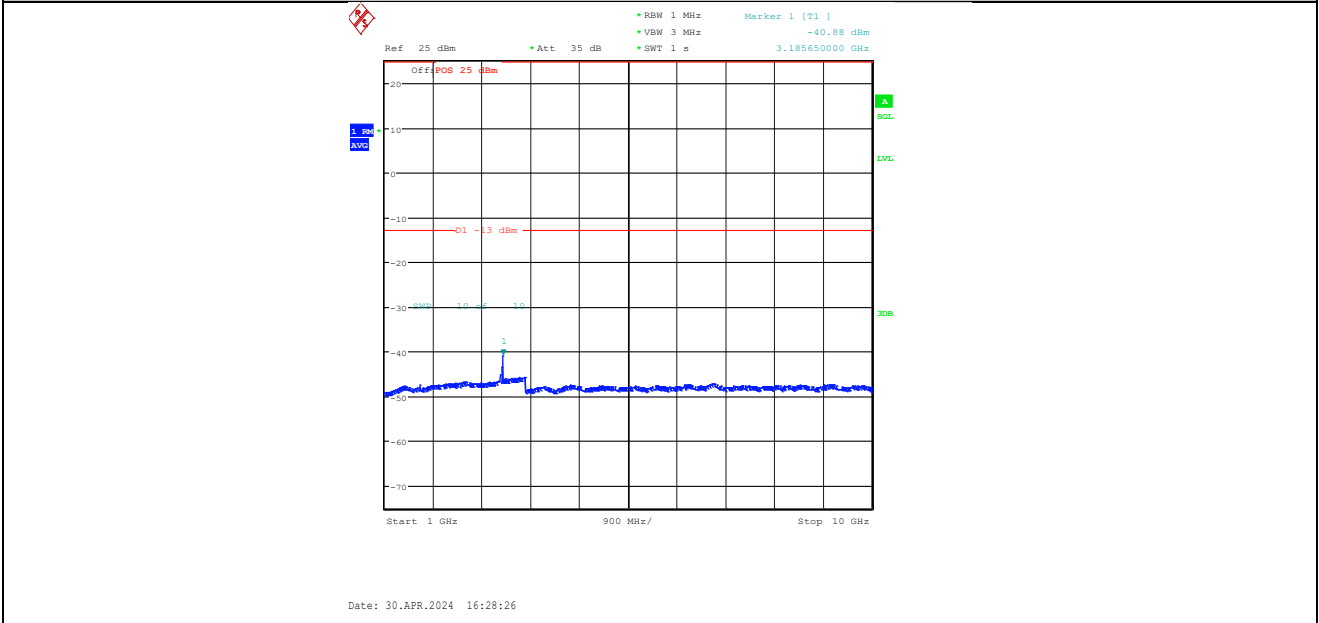
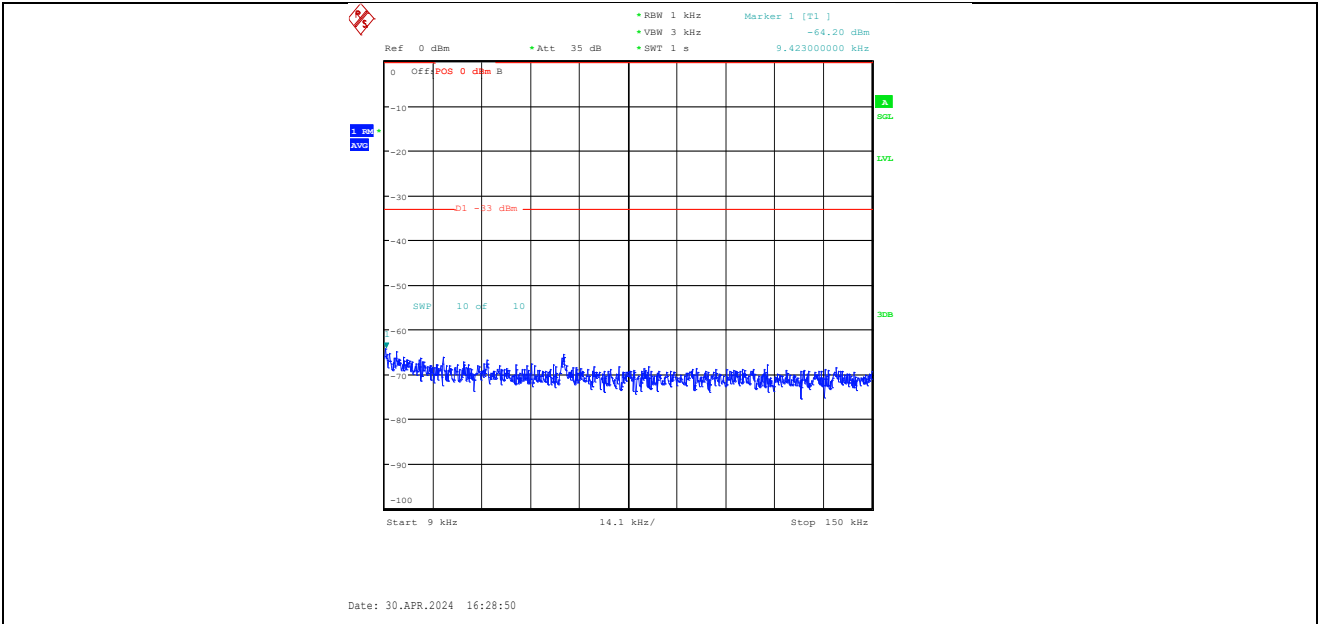


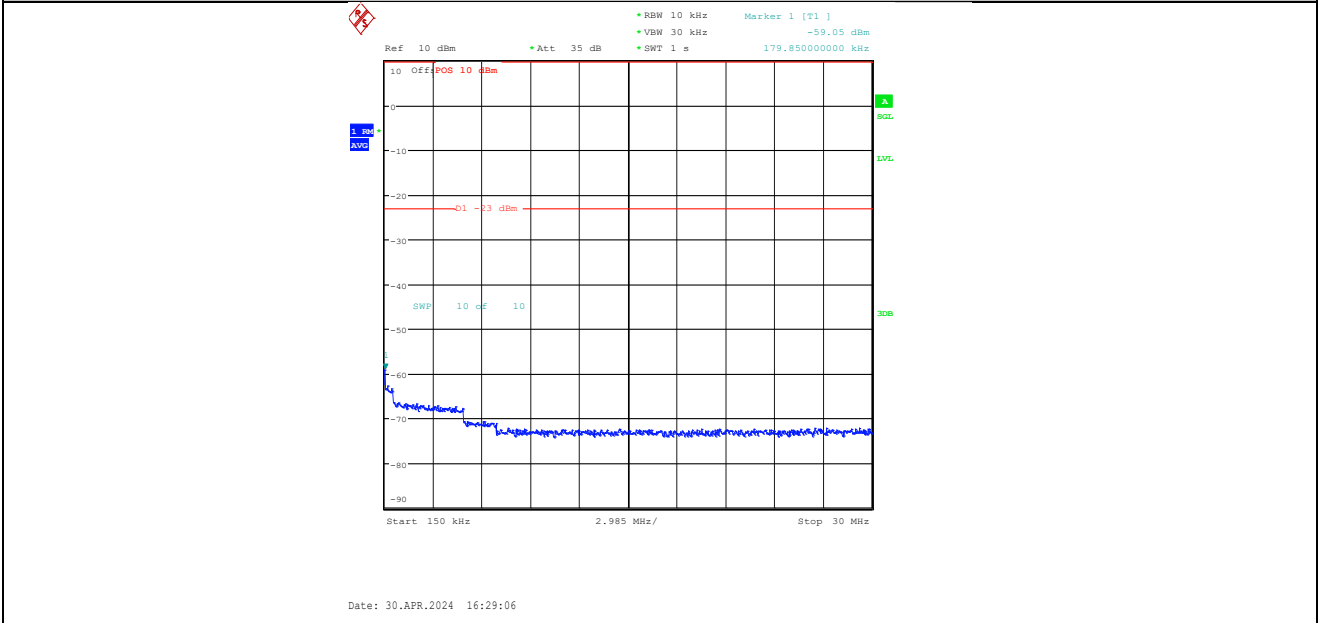
Band5-4132-1-30~1000MHz-PASS



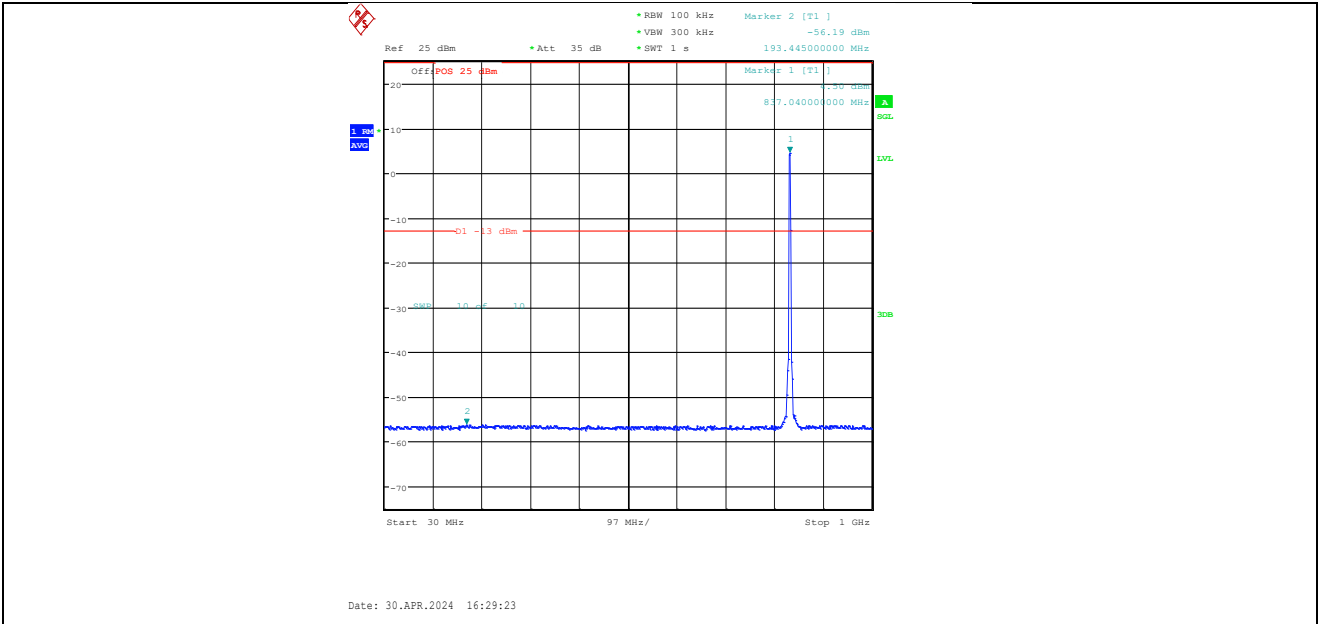
Band5-4132-1-1000~10000MHz-PASS



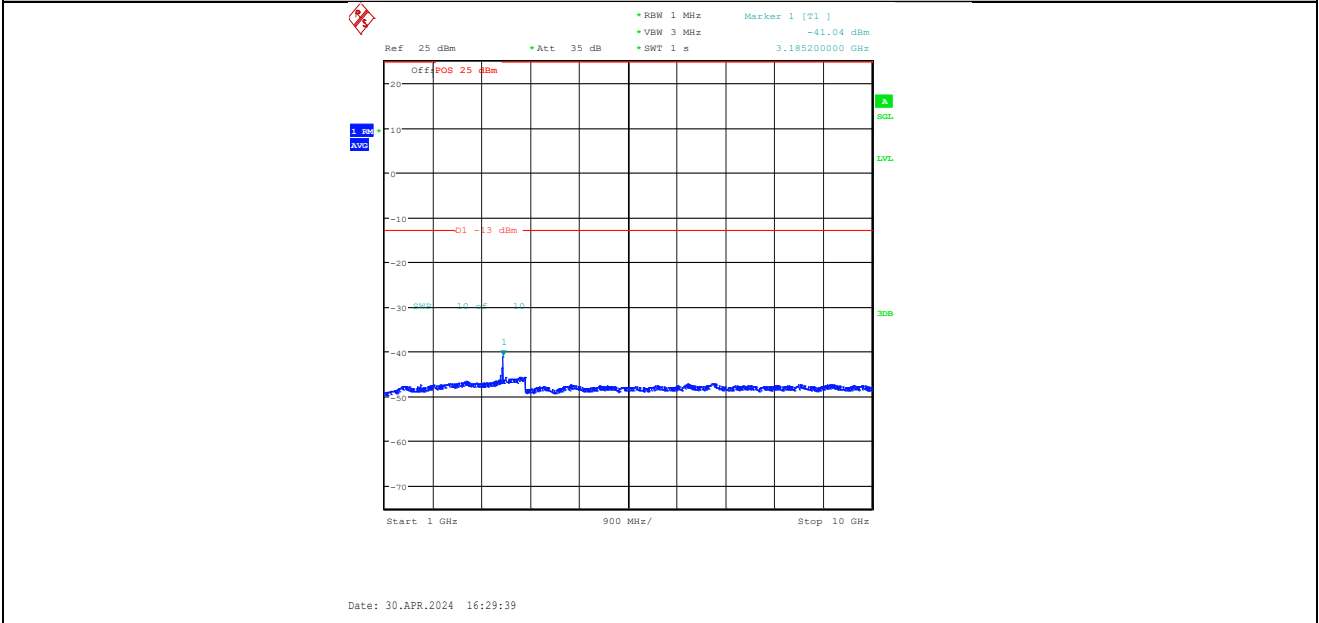
Band5-4182-1-0.009~0.15MHz-PASS



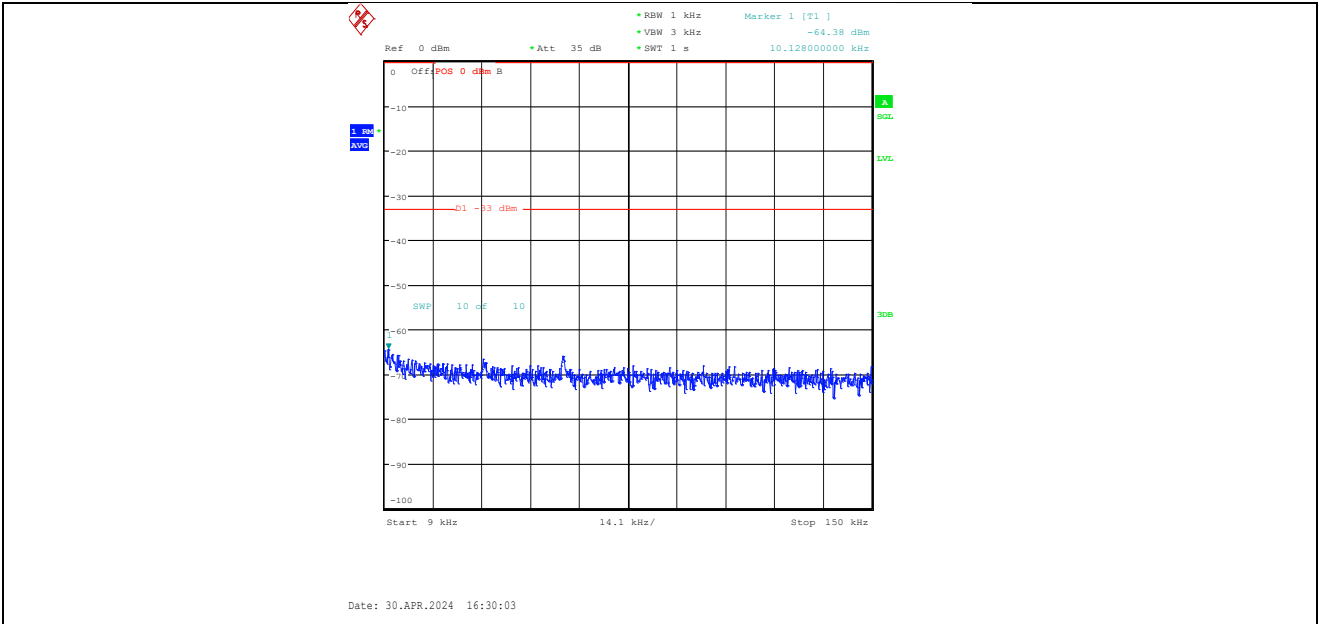
Band5-4182-1-0.15~30MHz-PASS



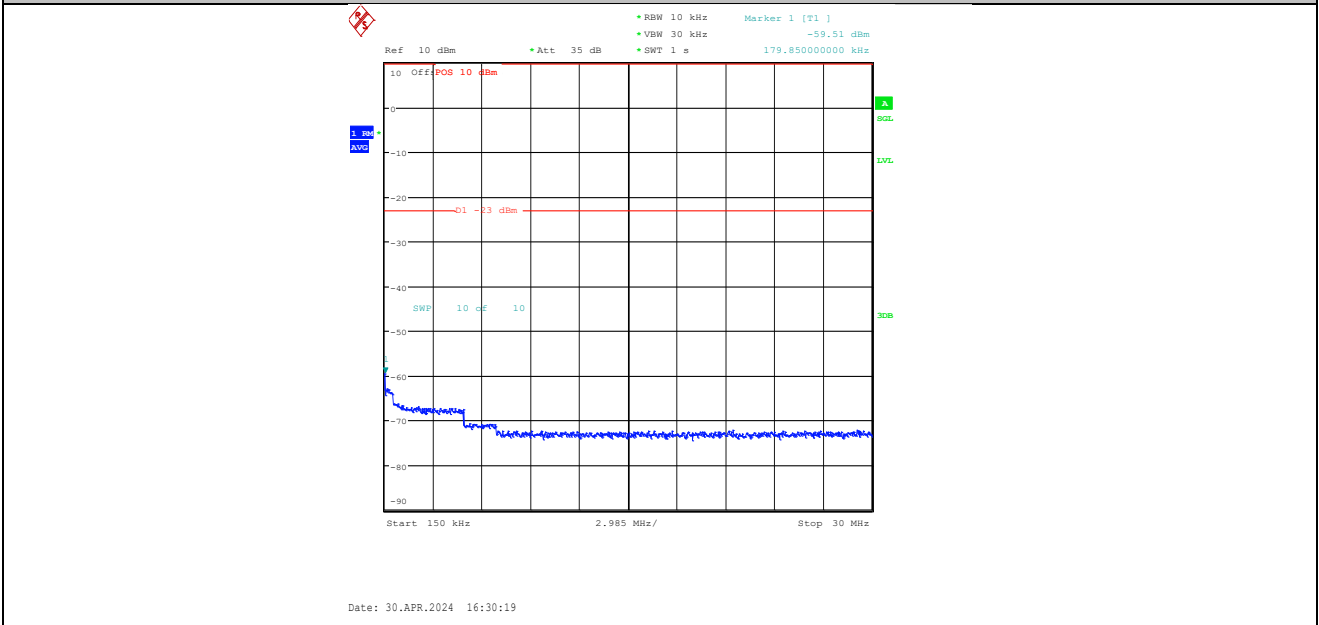
Band5-4182-1-30~1000MHz-PASS



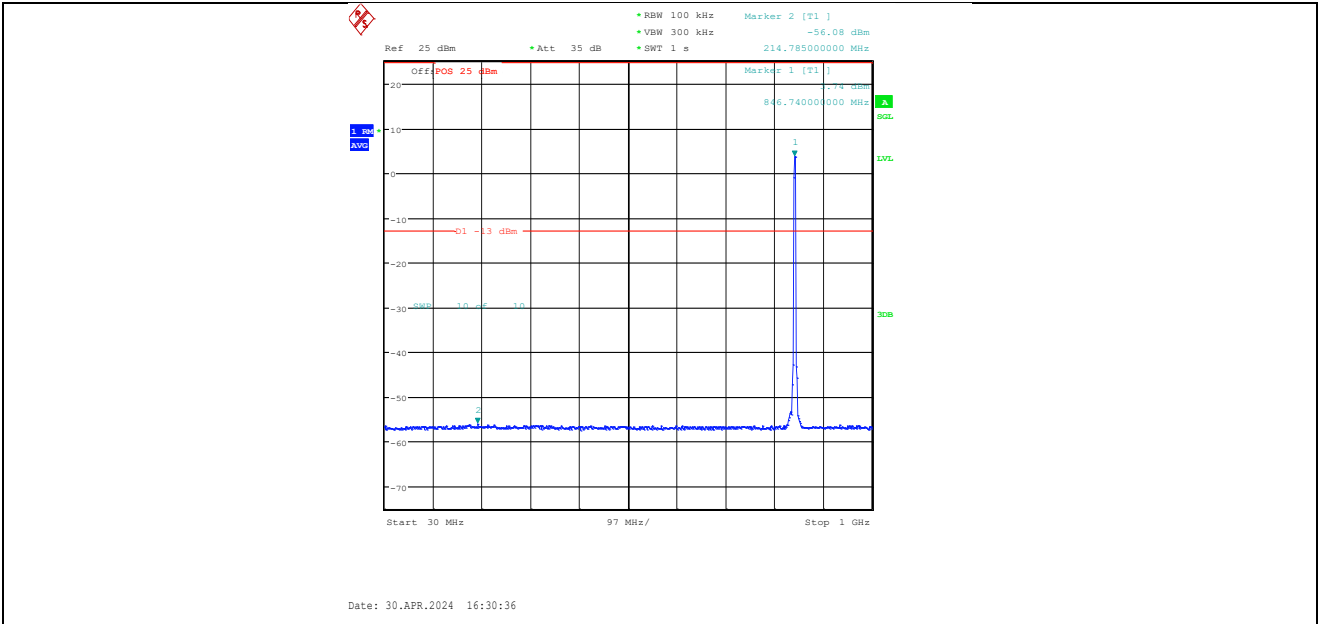
Band5-4182-1-1000~10000MHz-PASS



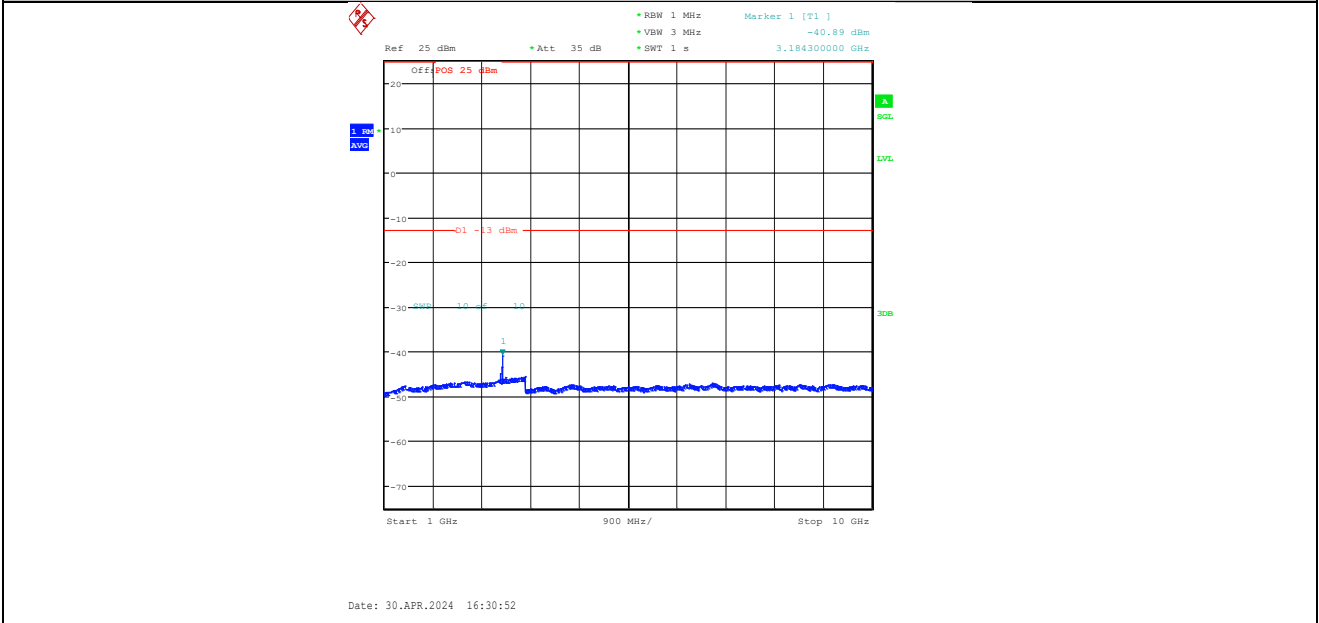
Band5-4233-1-0.009~0.15MHz-PASS



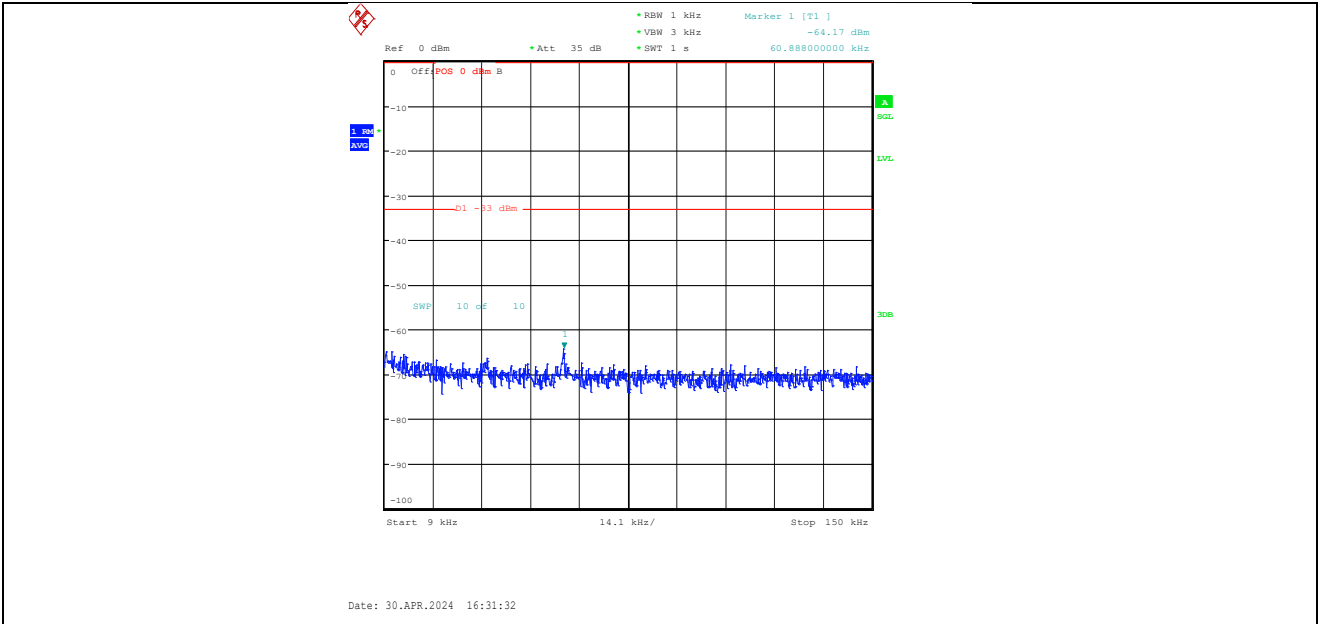
Band5-4233-1-0.15~30MHz-PASS



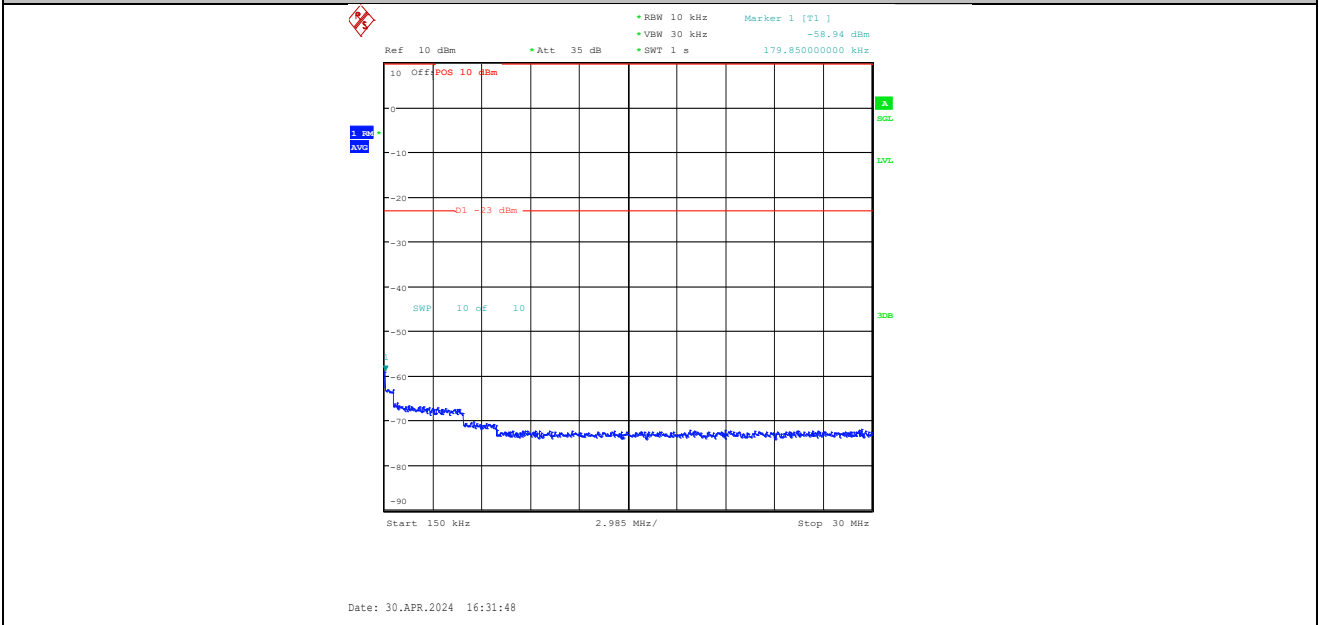
Band5-4233-1-30~1000MHz-PASS



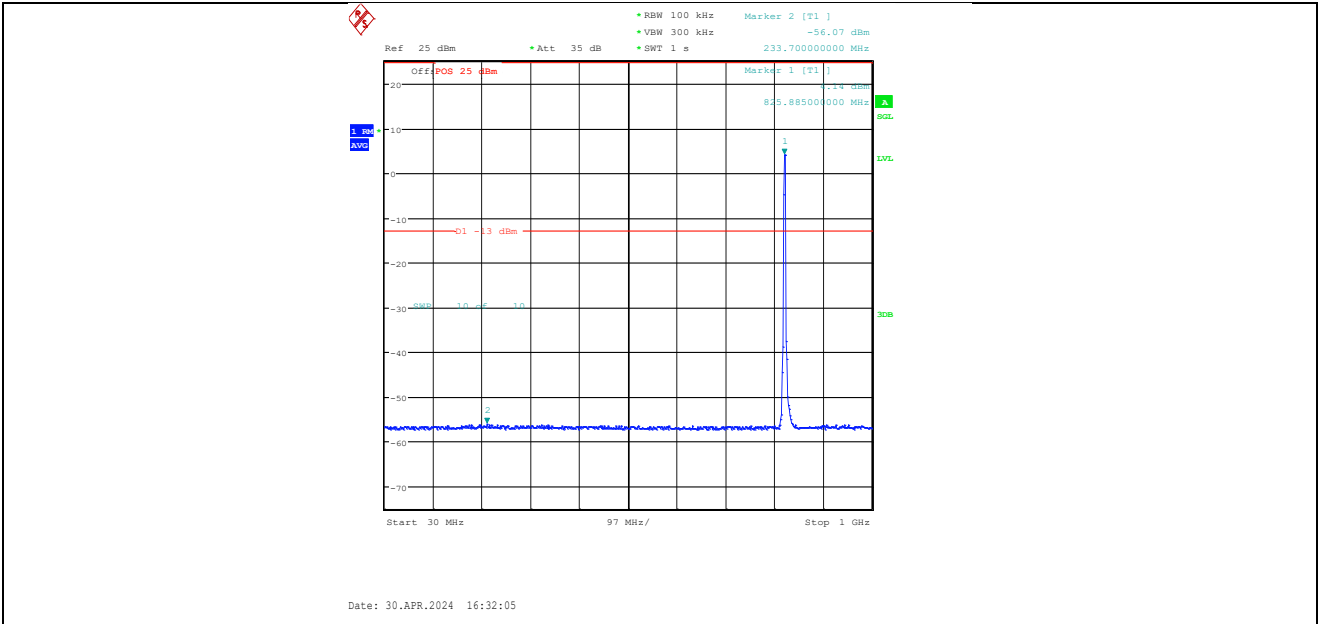
Band5-4233-1-1000~10000MHz-PASS



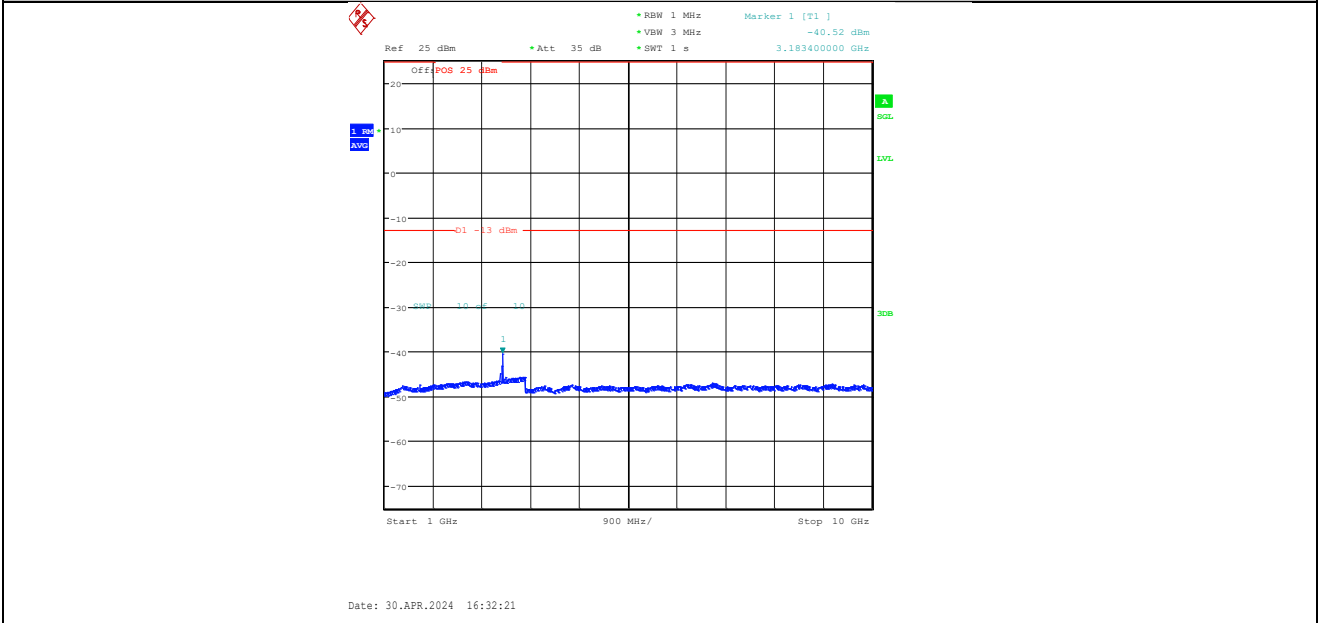
Band5-4132-2-0.009~0.15MHz-PASS



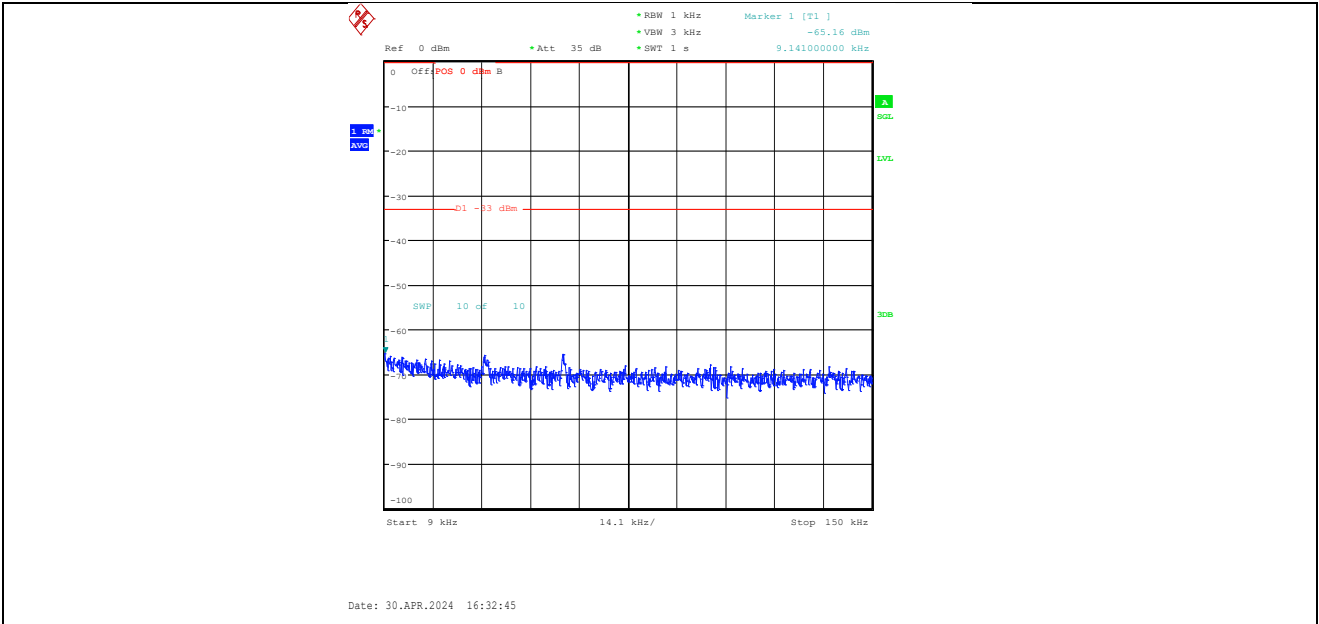
Band5-4132-2-0.15~30MHz-PASS



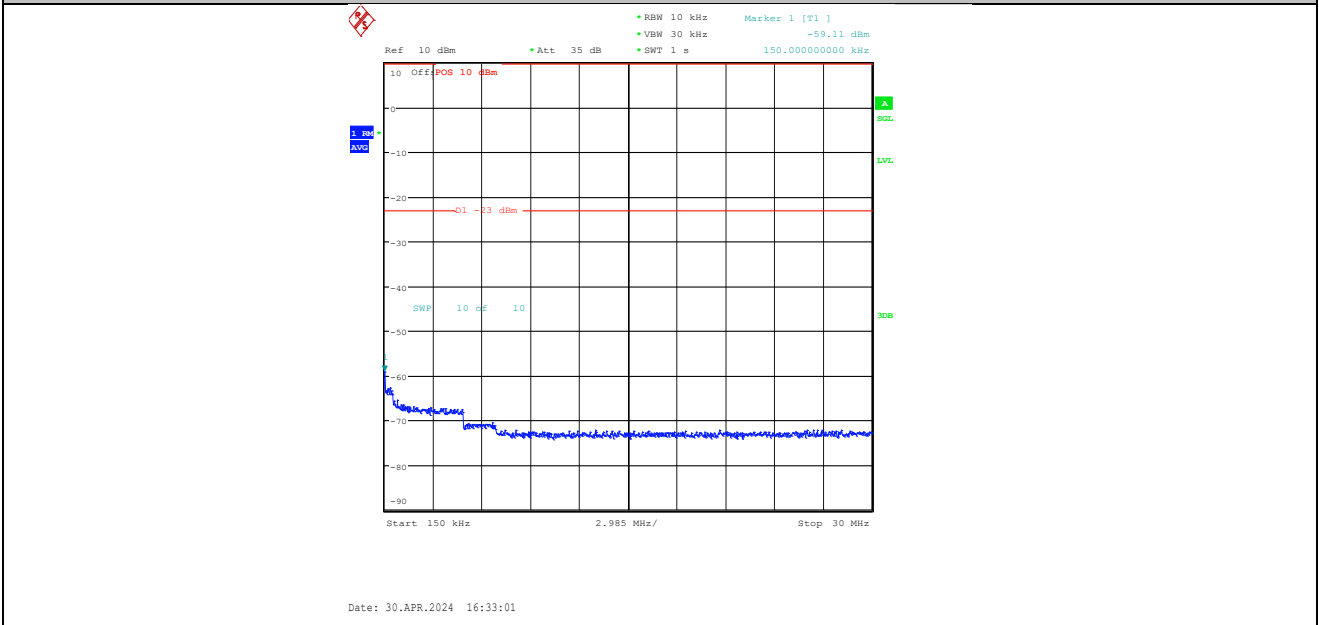
Band5-4132-2-30~1000MHz-PASS



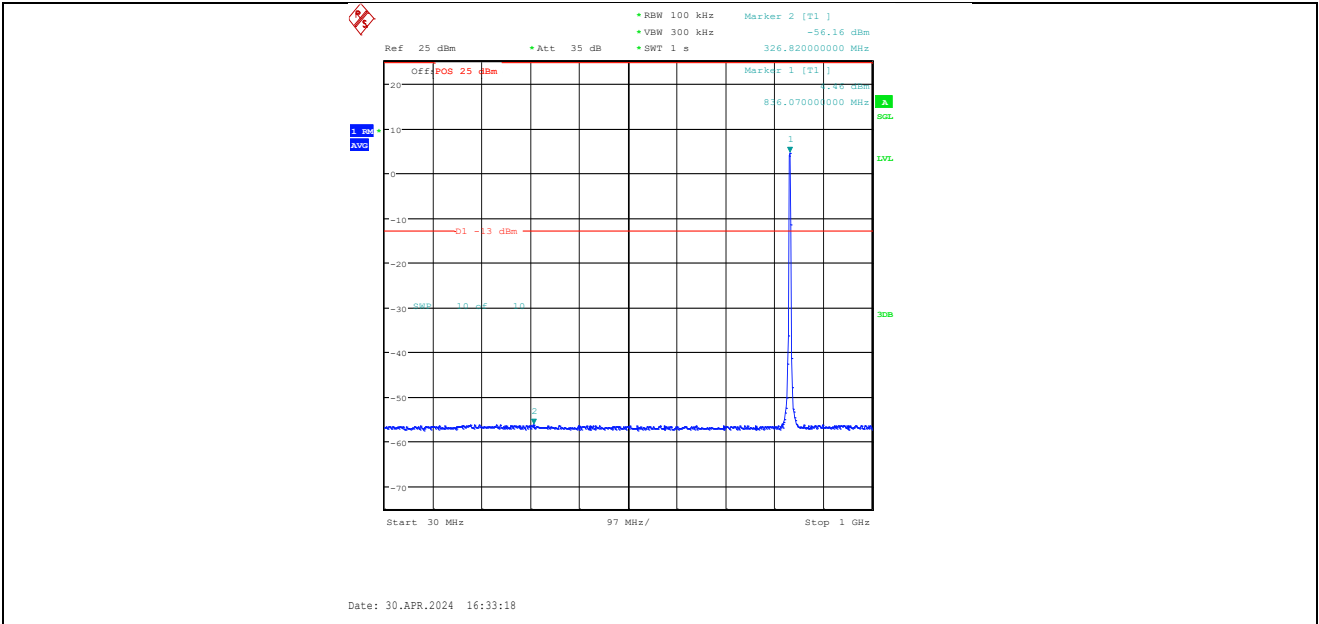
Band5-4132-2-1000~10000MHz-PASS



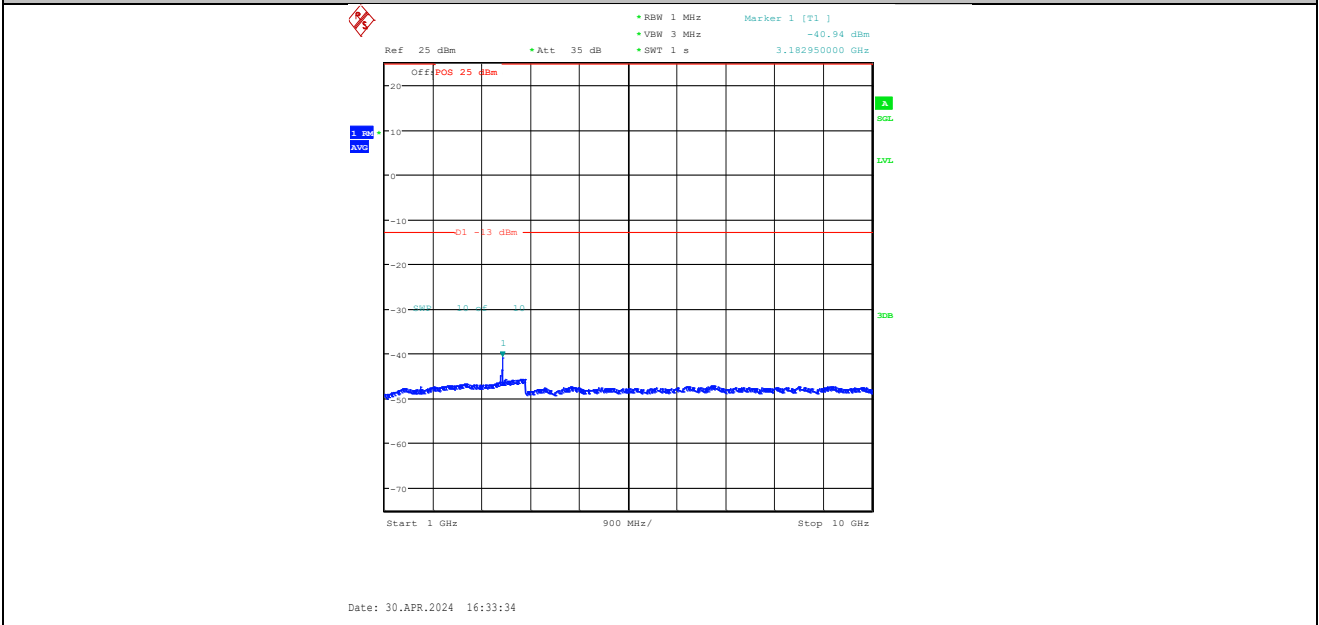
Band5-4182-2-0.009~0.15MHz-PASS



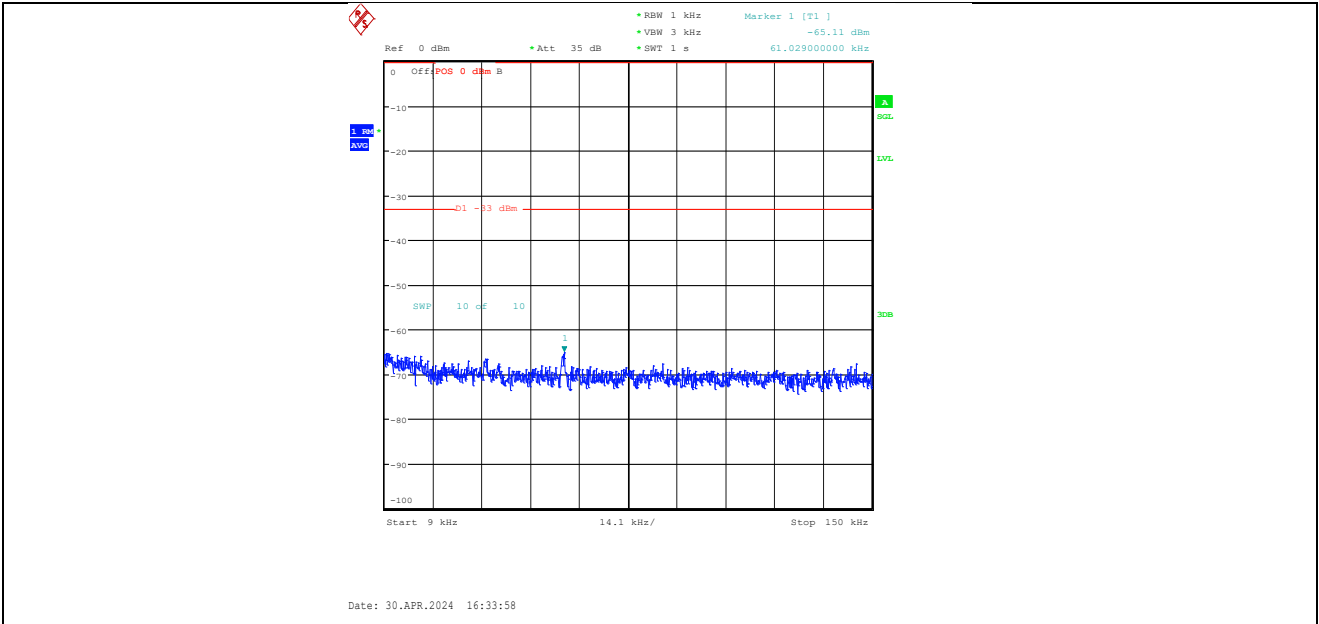
Band5-4182-2-0.15~30MHz-PASS



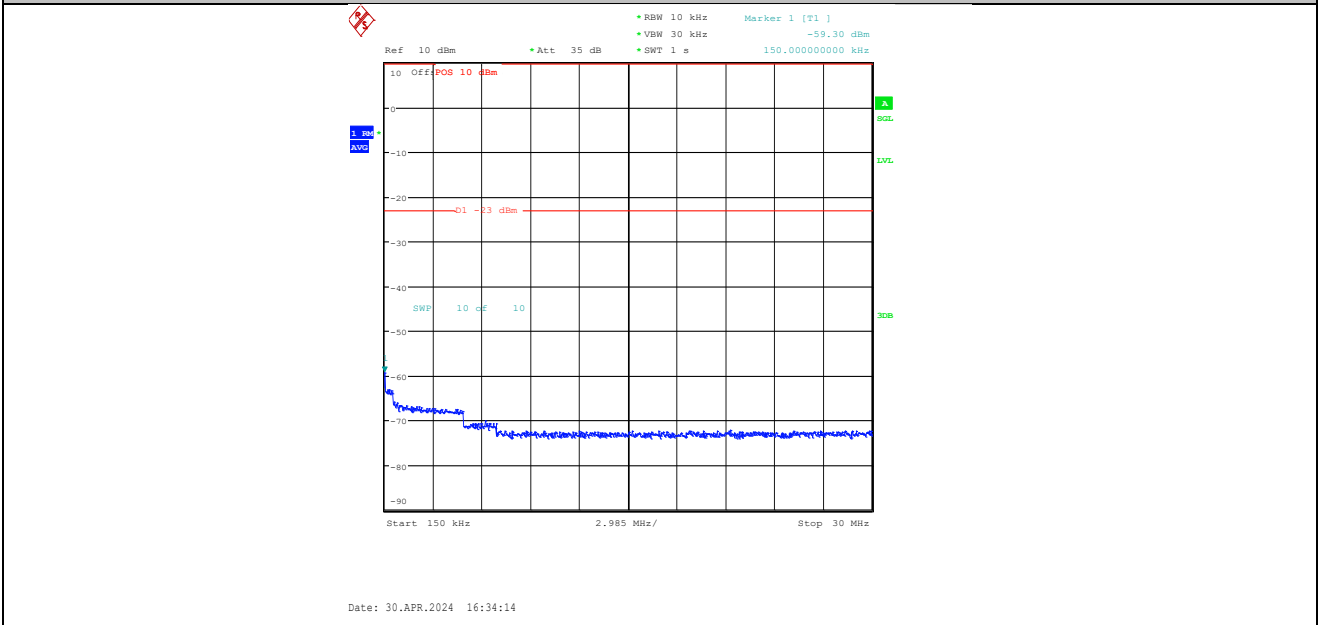
Band5-4182-2-30~1000MHz-PASS



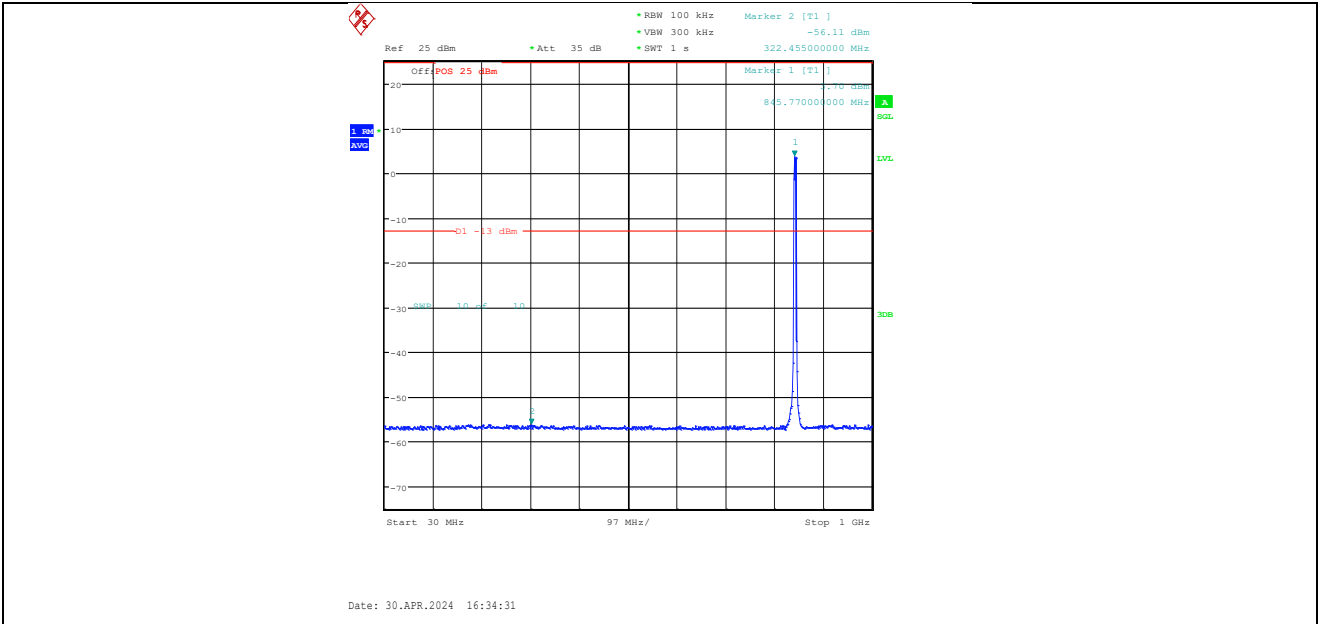
Band5-4182-2-1000~10000MHz-PASS



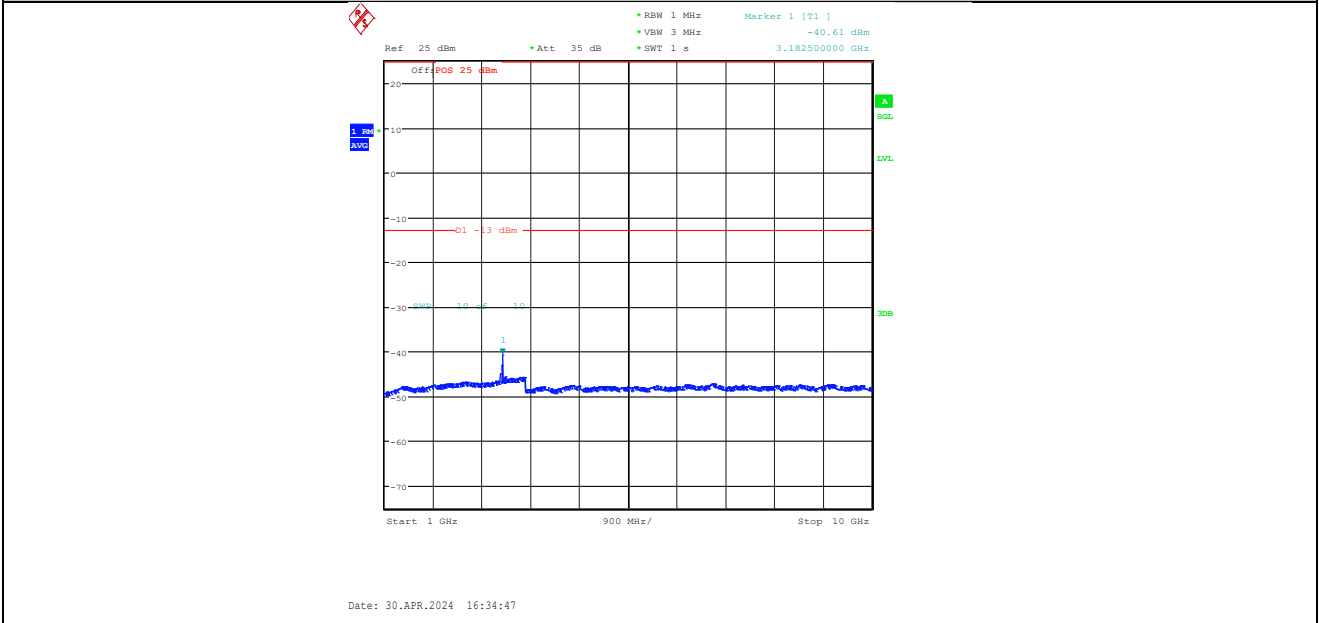
Band5-4233-2-0.009~0.15MHz-PASS



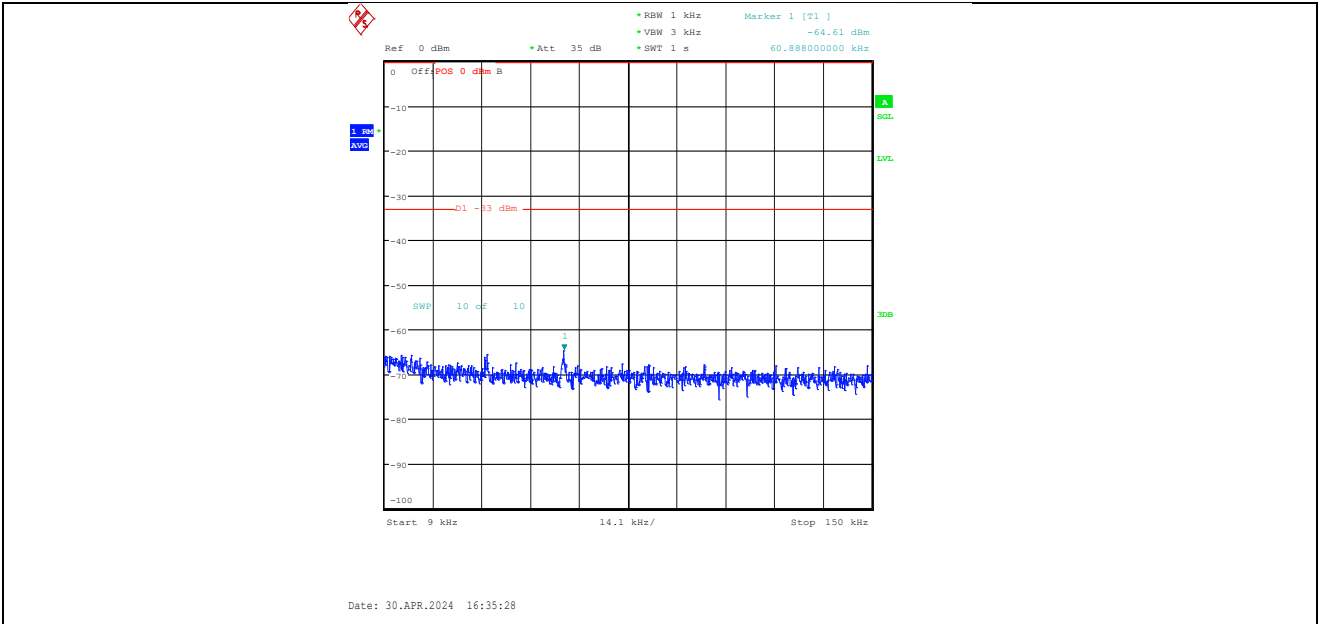
Band5-4233-2-0.15~30MHz-PASS



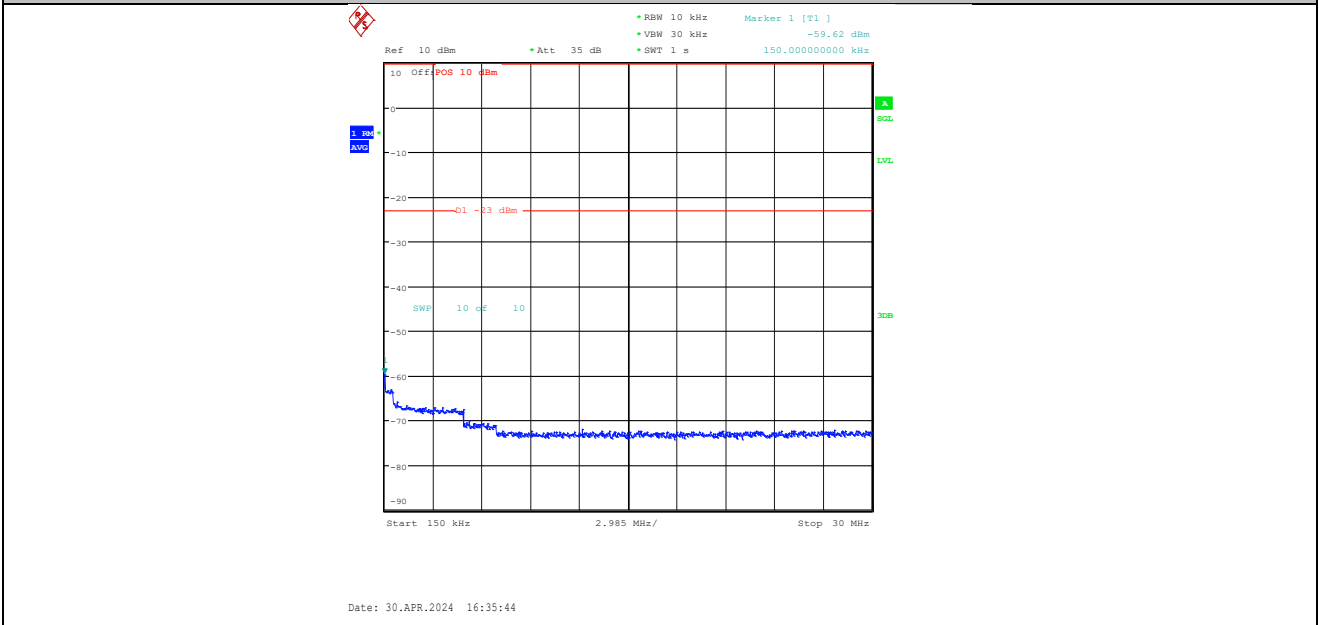
Band5-4233-2-30~1000MHz-PASS



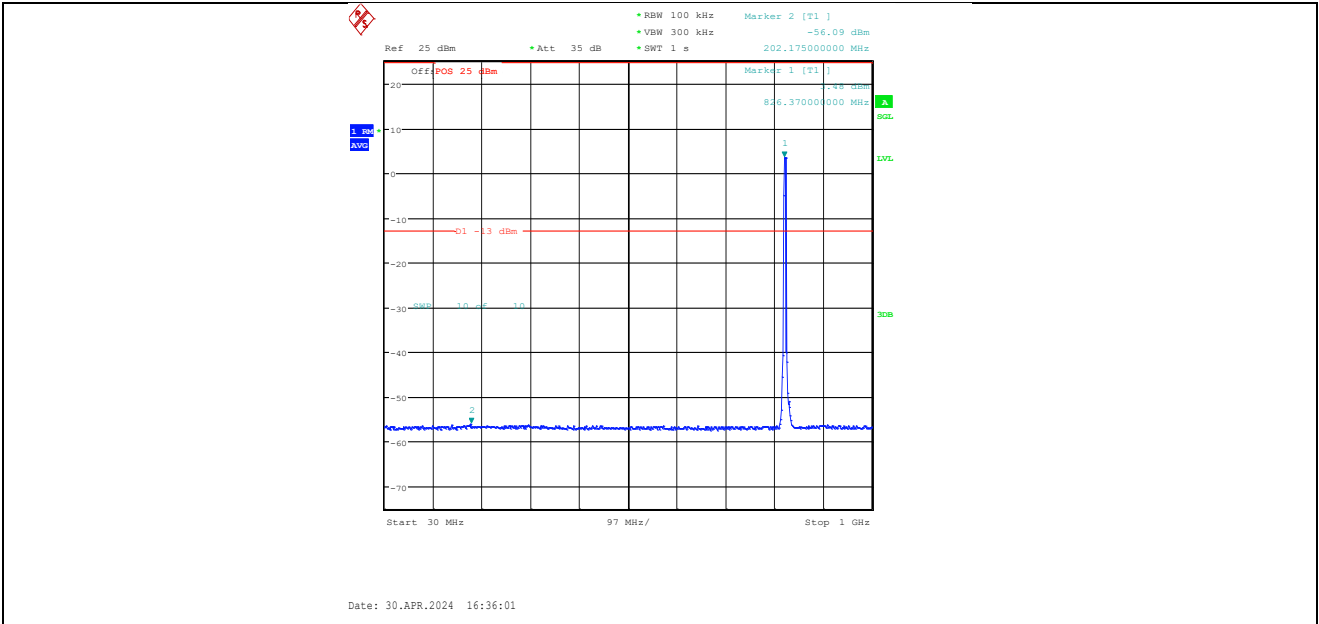
Band5-4233-2-1000~10000MHz-PASS



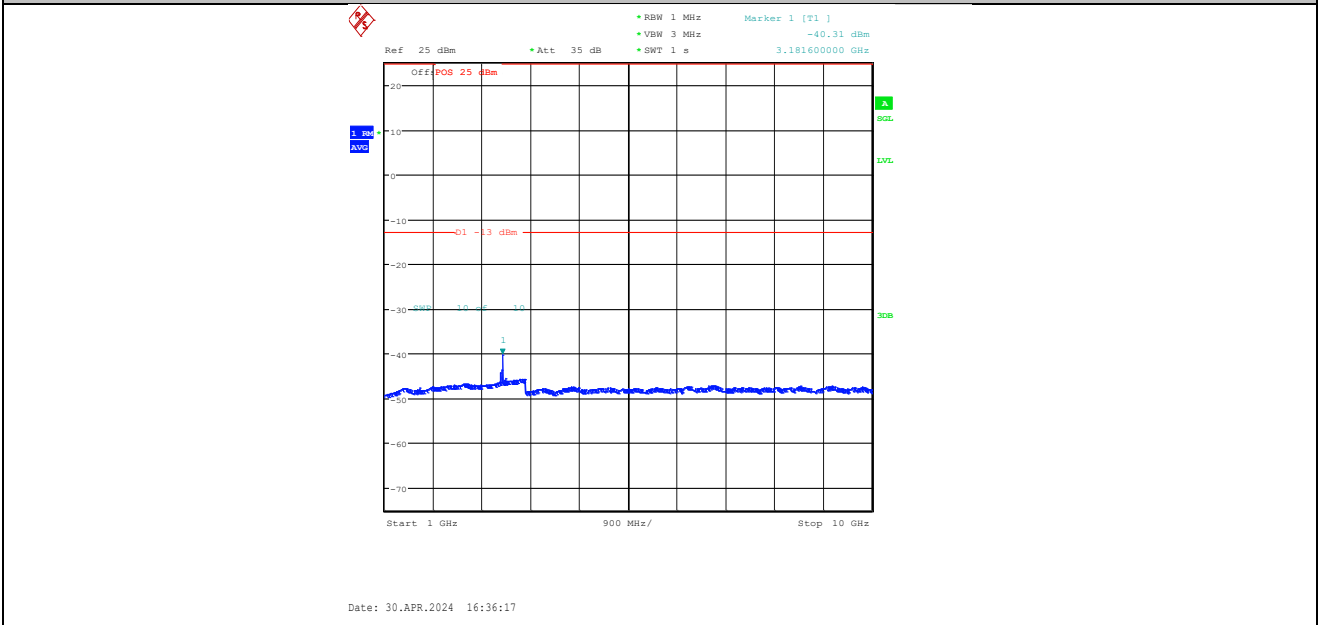
Band5-4132-3-0.009~0.15MHz-PASS



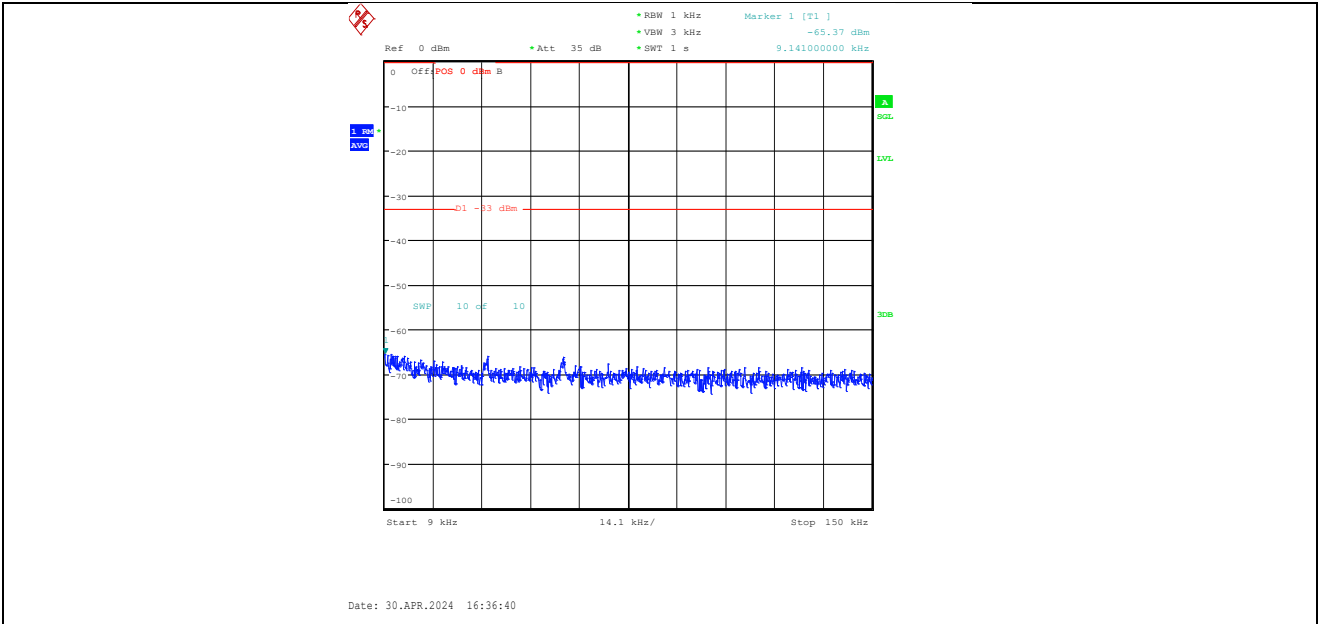
Band5-4132-3-0.15~30MHz-PASS



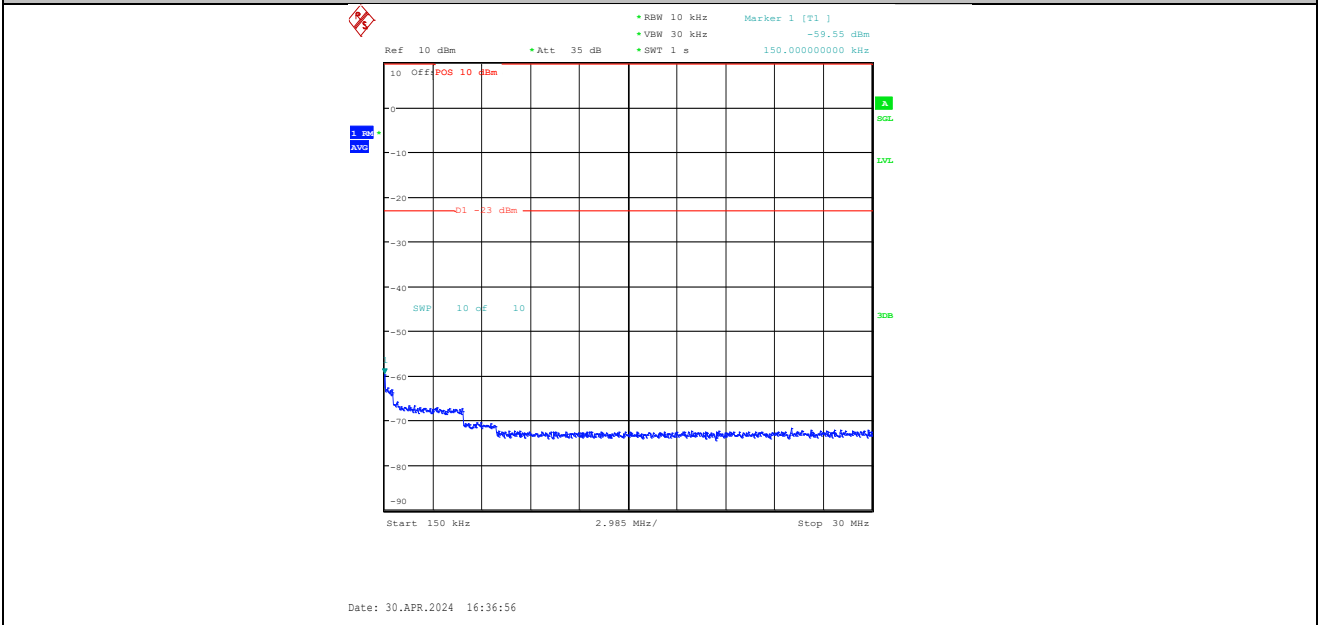
Band5-4132-3-30~1000MHz-PASS



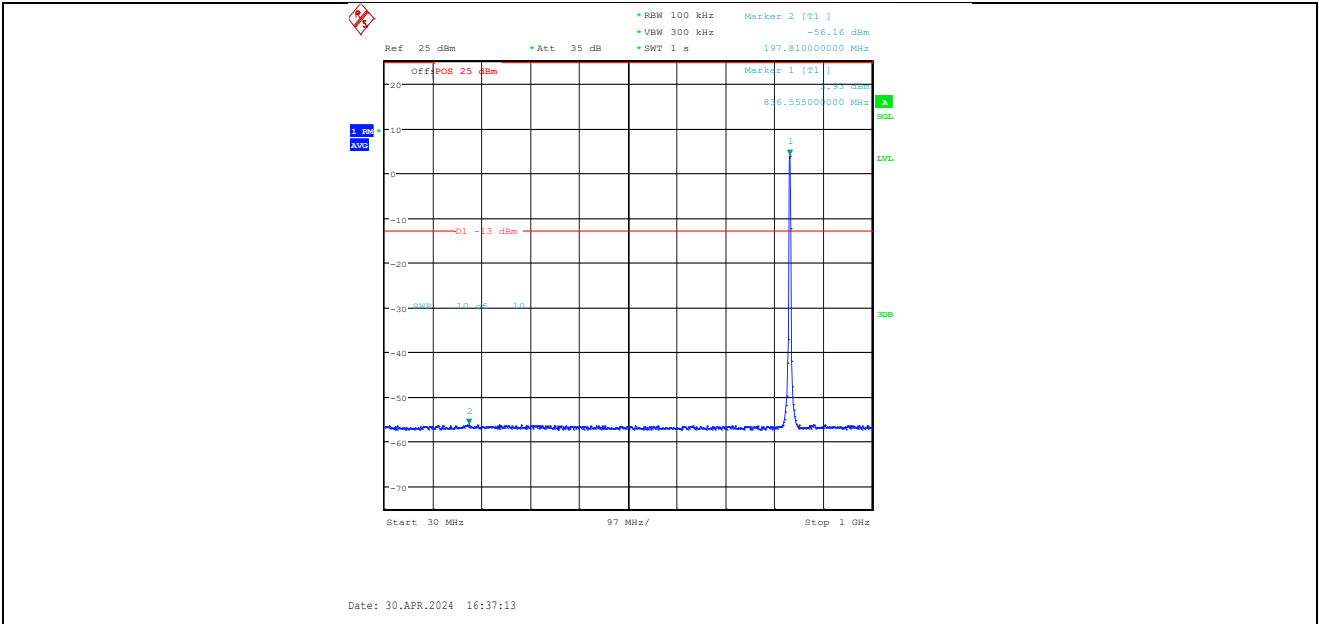
Band5-4132-3-1000~10000MHz-PASS



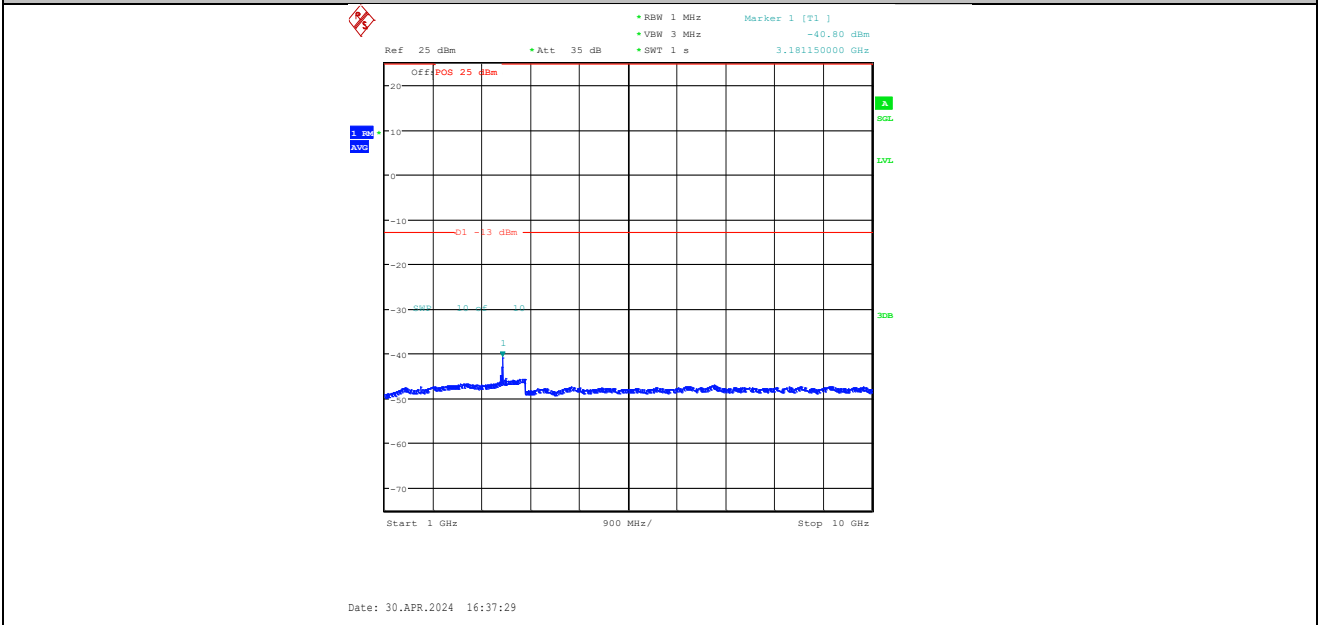
Band5-4182-3-0.009~0.15MHz-PASS



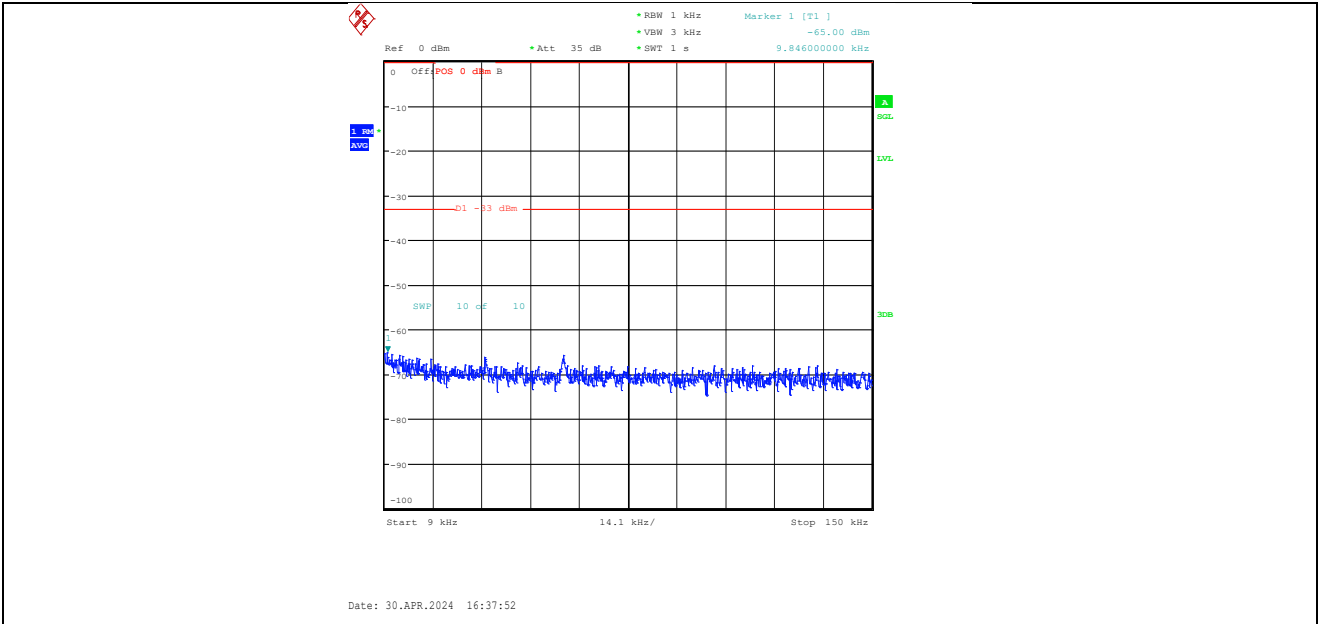
Band5-4182-3-0.15~30MHz-PASS



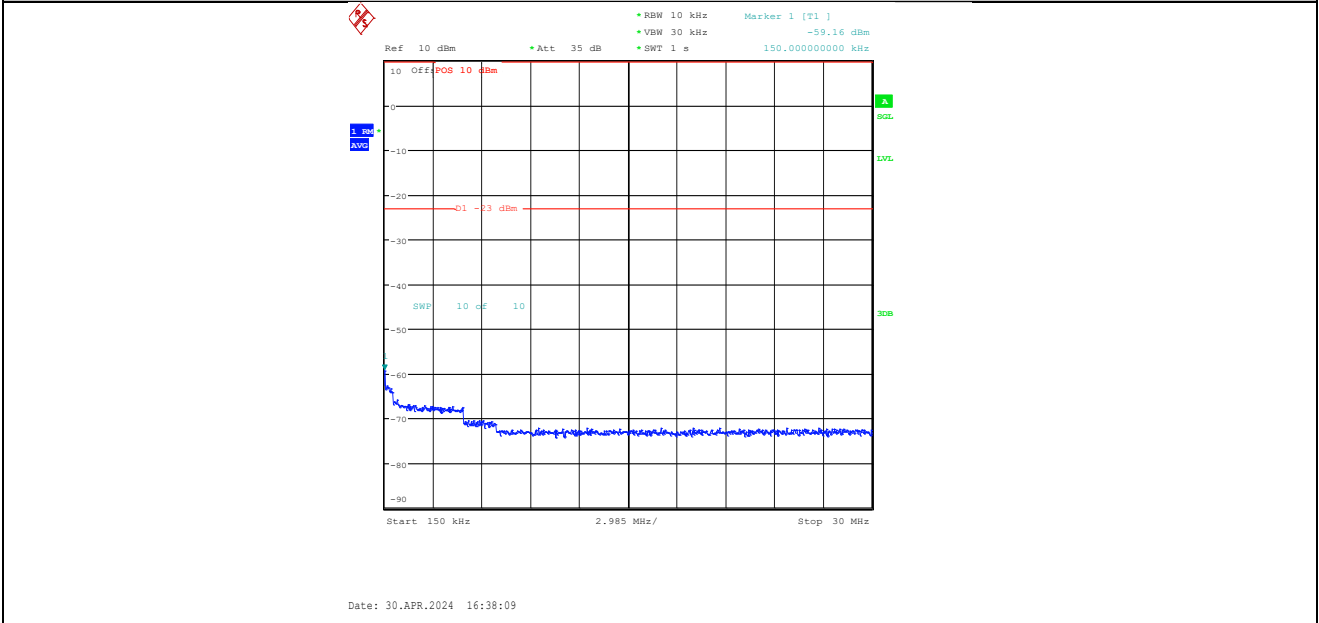
Band5-4182-3-30~1000MHz-PASS



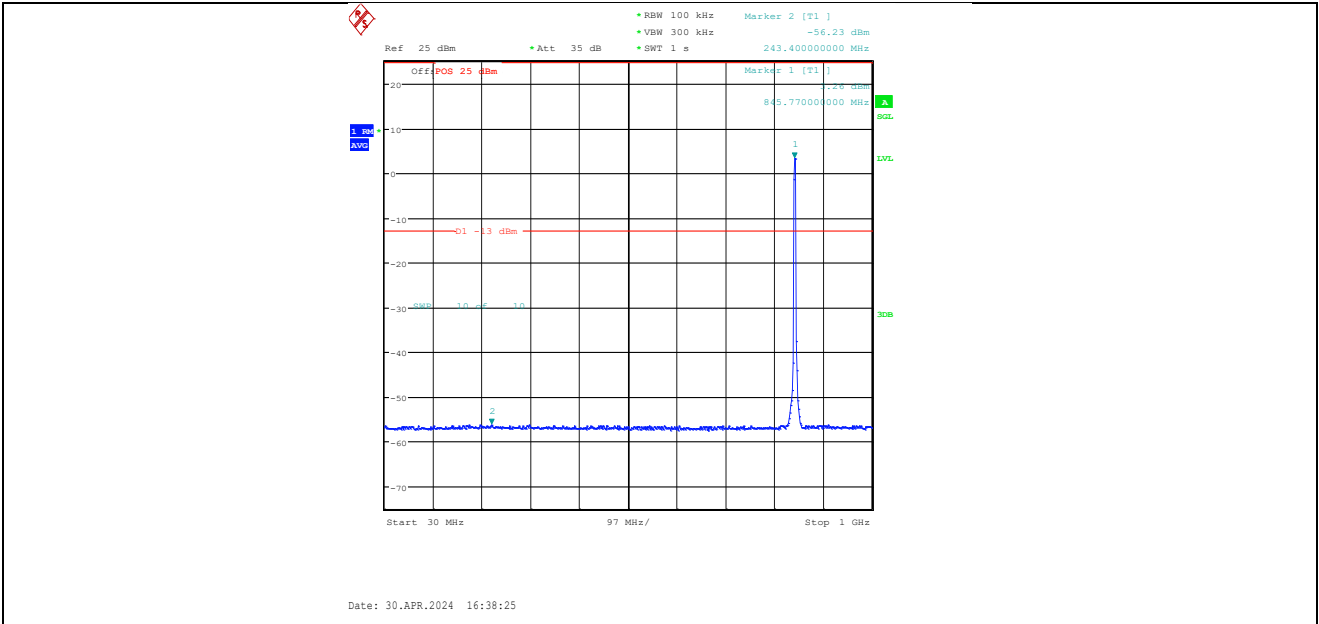
Band5-4182-3-1000~10000MHz-PASS



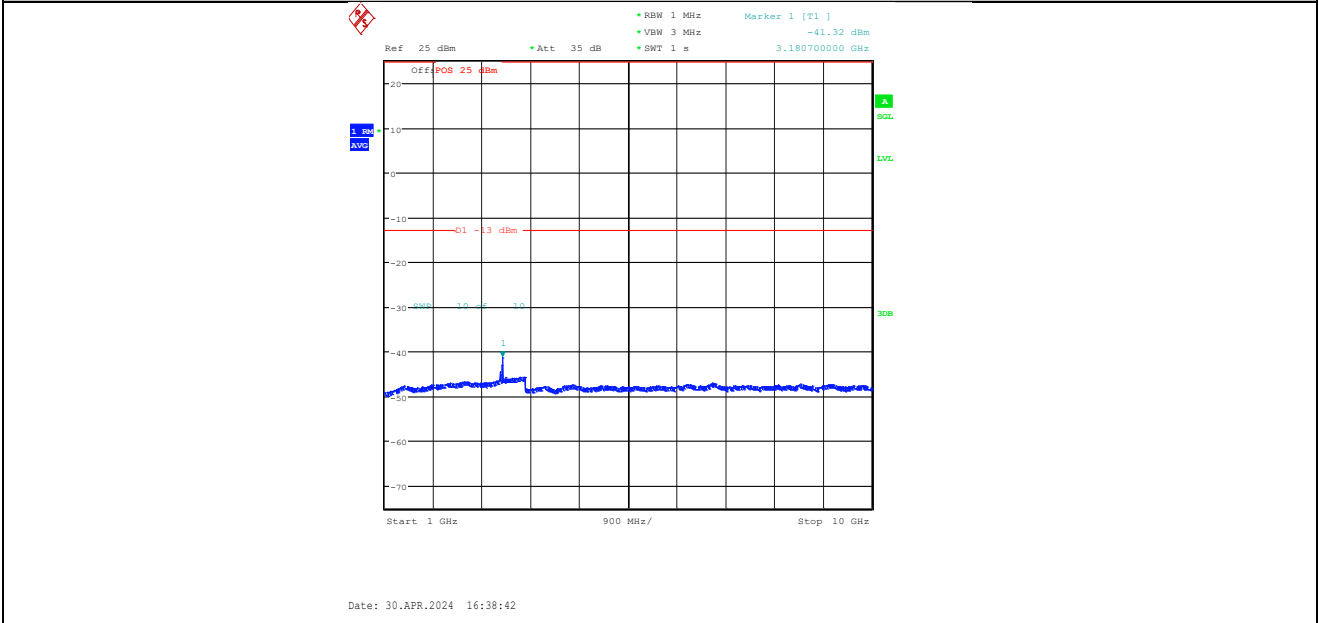
Band5-4233-3-0.009~0.15MHz-PASS



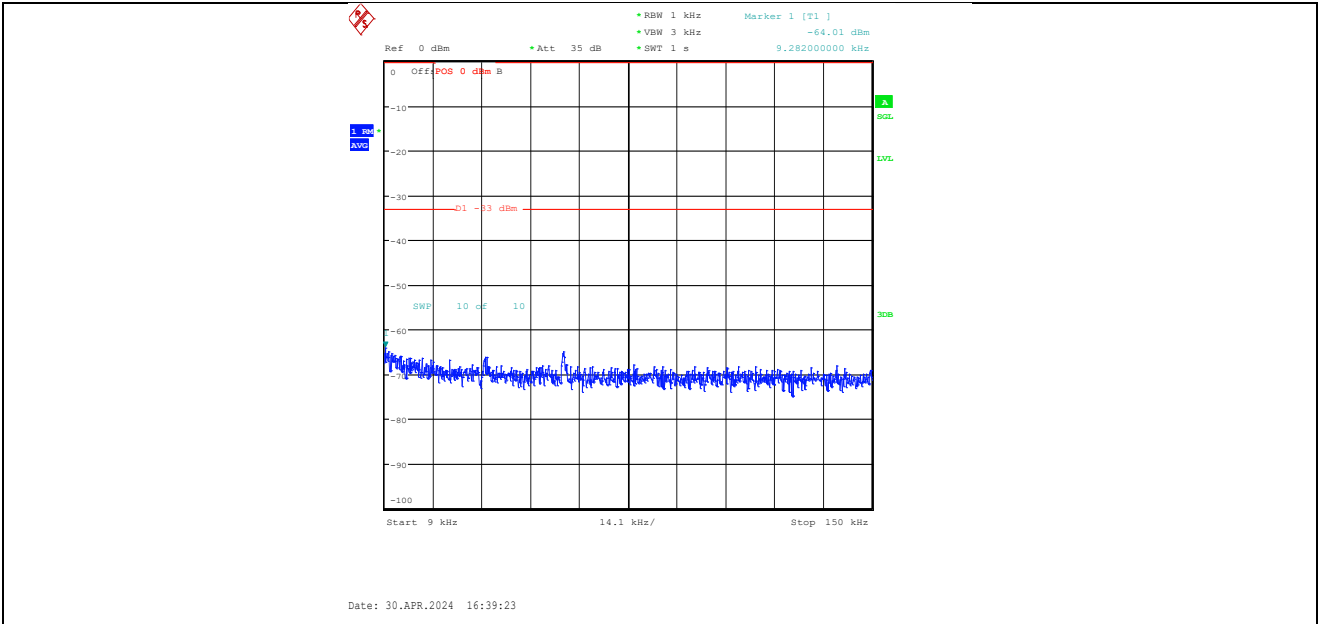
Band5-4233-3-0.15~30MHz-PASS



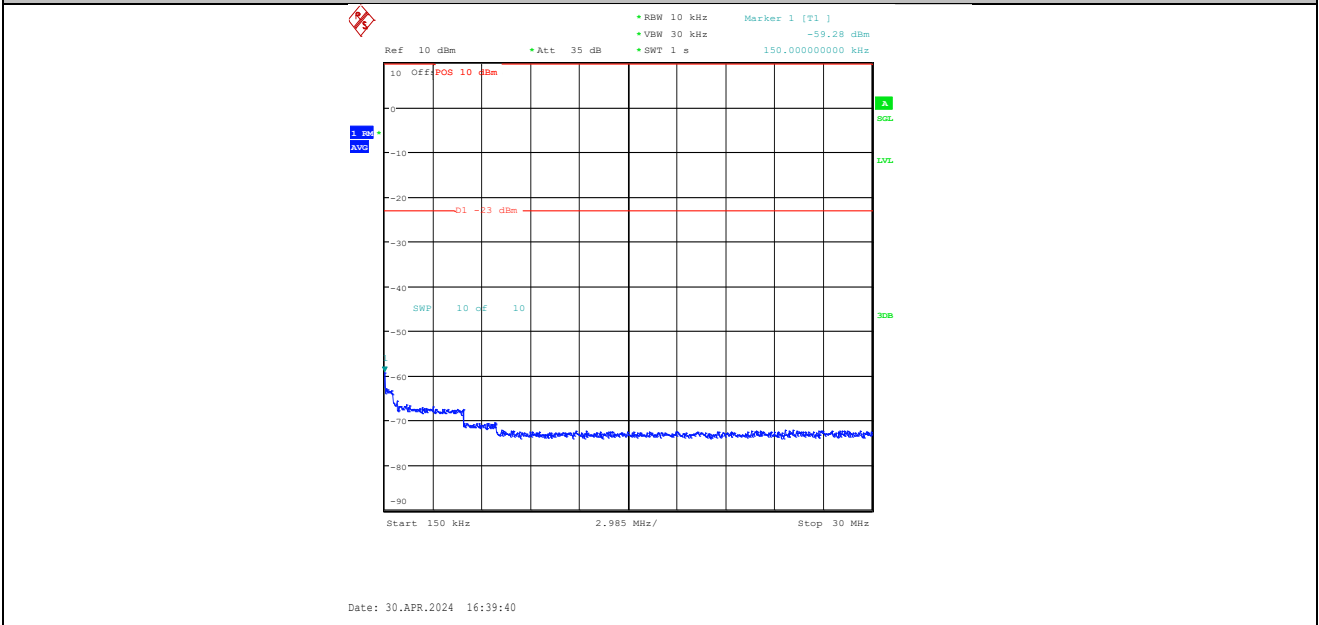
Band5-4233-3-30~1000MHz-PASS



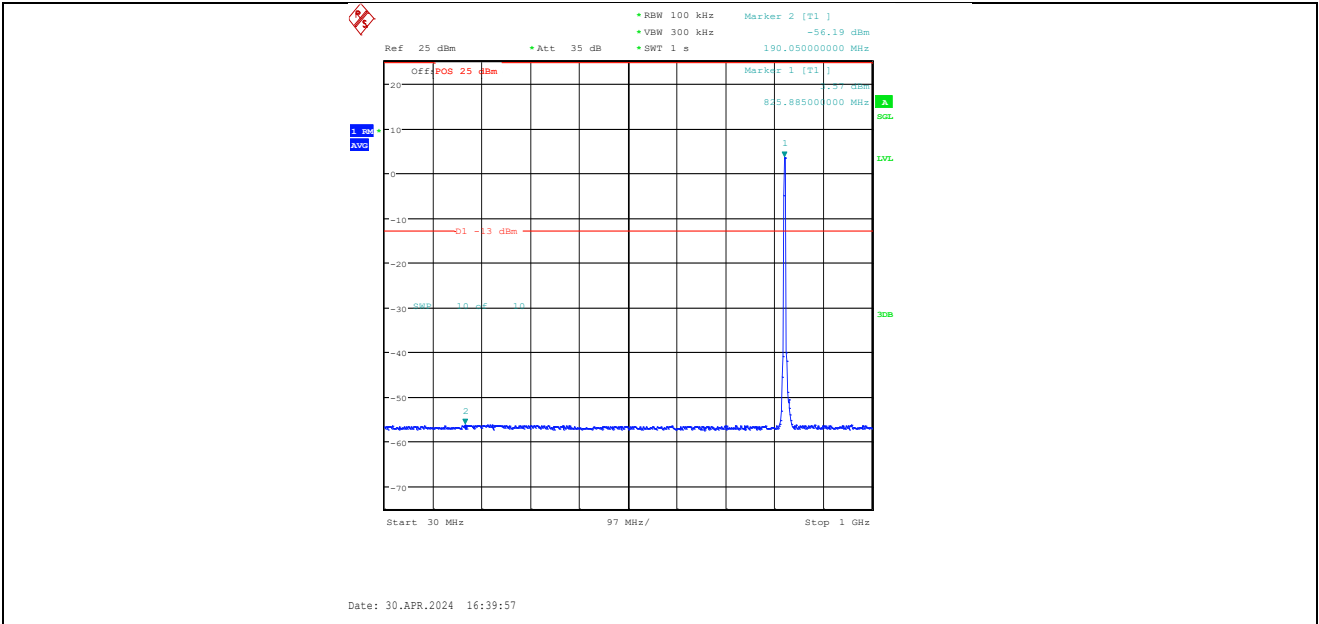
Band5-4233-3-1000~10000MHz-PASS



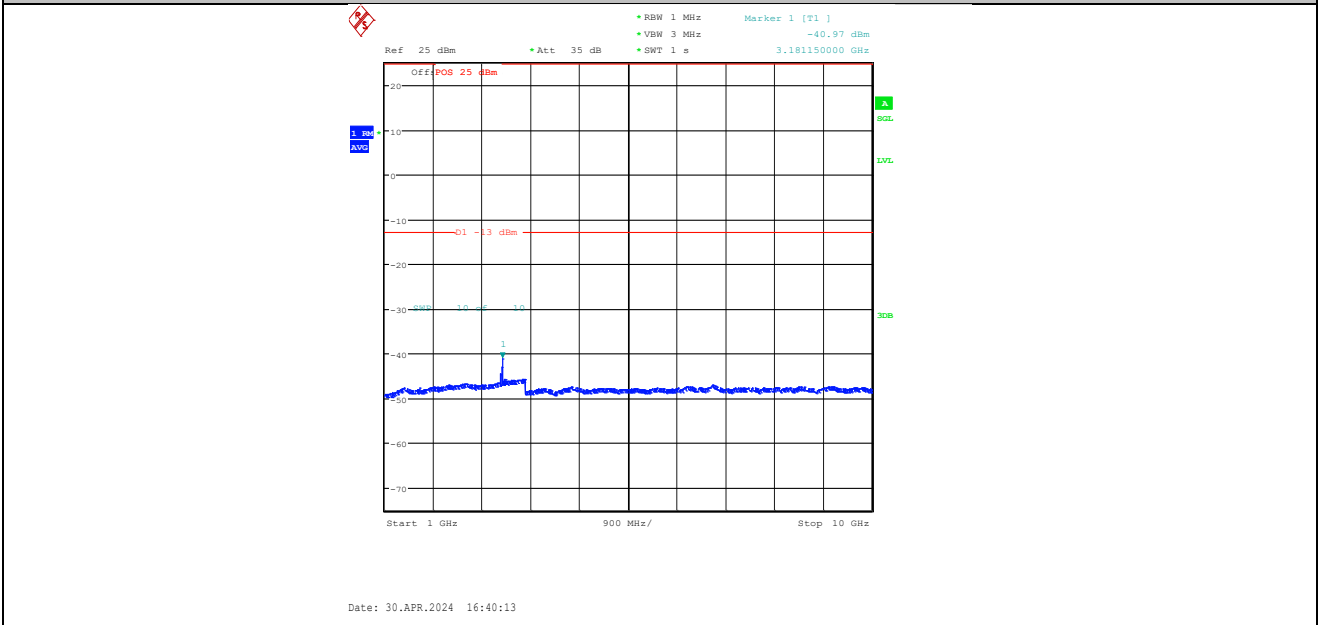
Band5-4132-4-0.009~0.15MHz-PASS



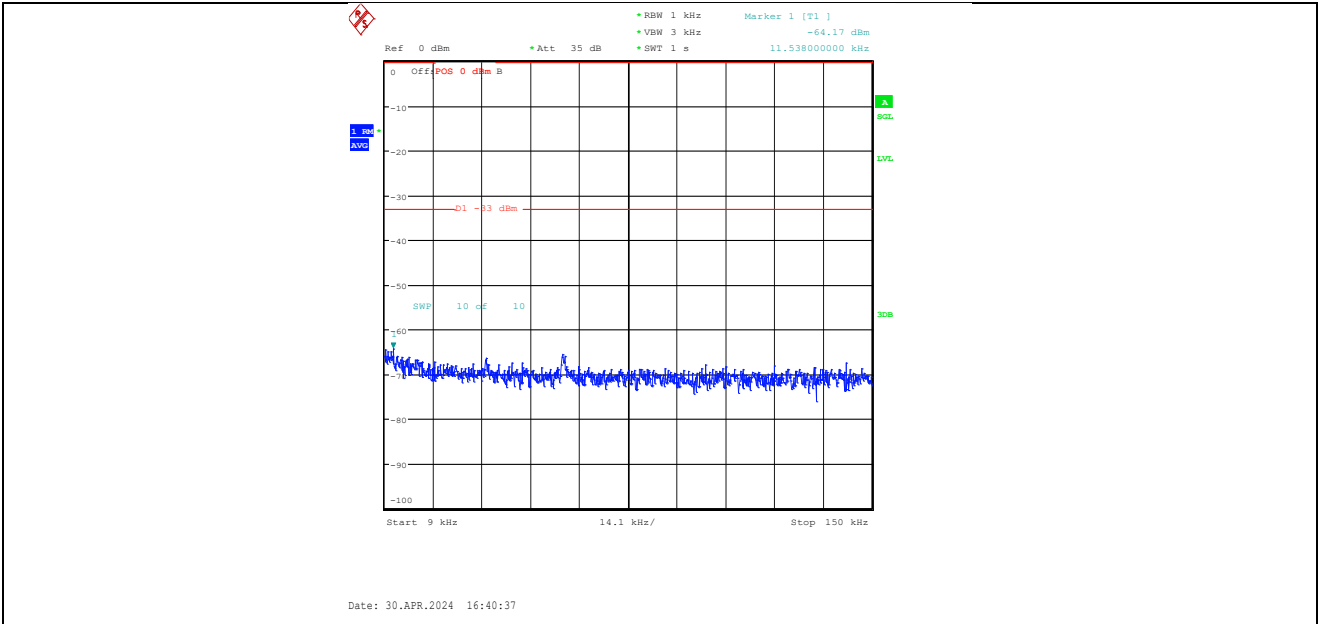
Band5-4132-4-0.15~30MHz-PASS



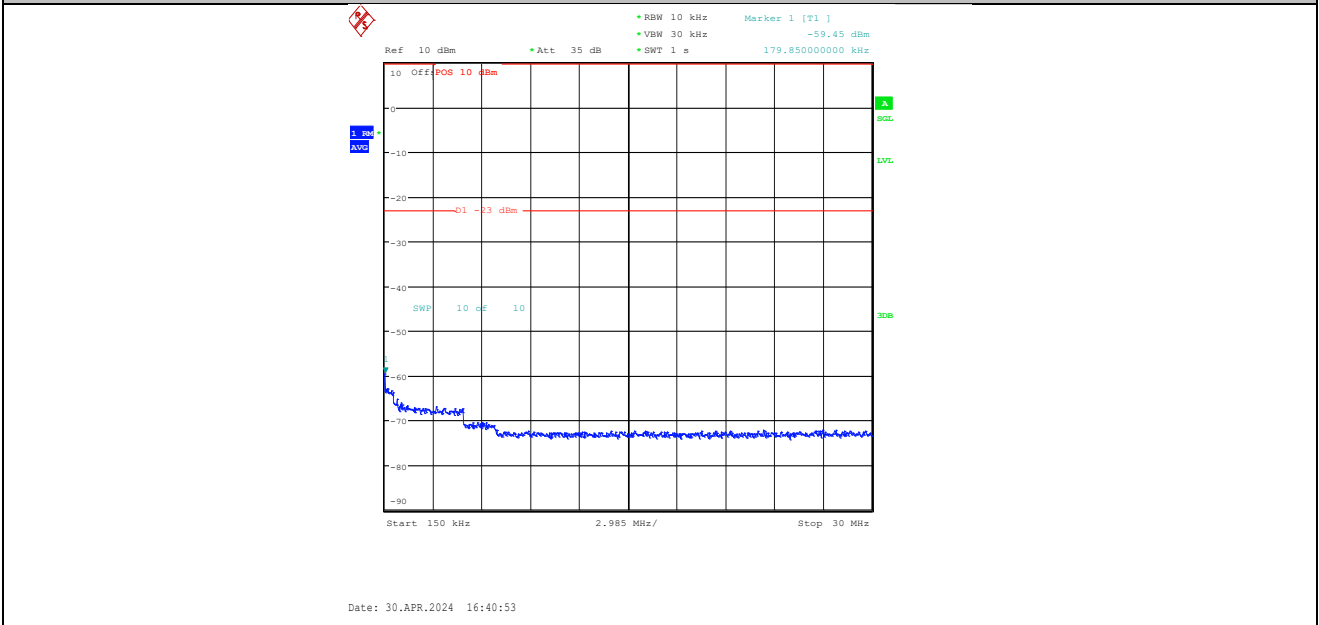
Band5-4132-4-30~1000MHz-PASS



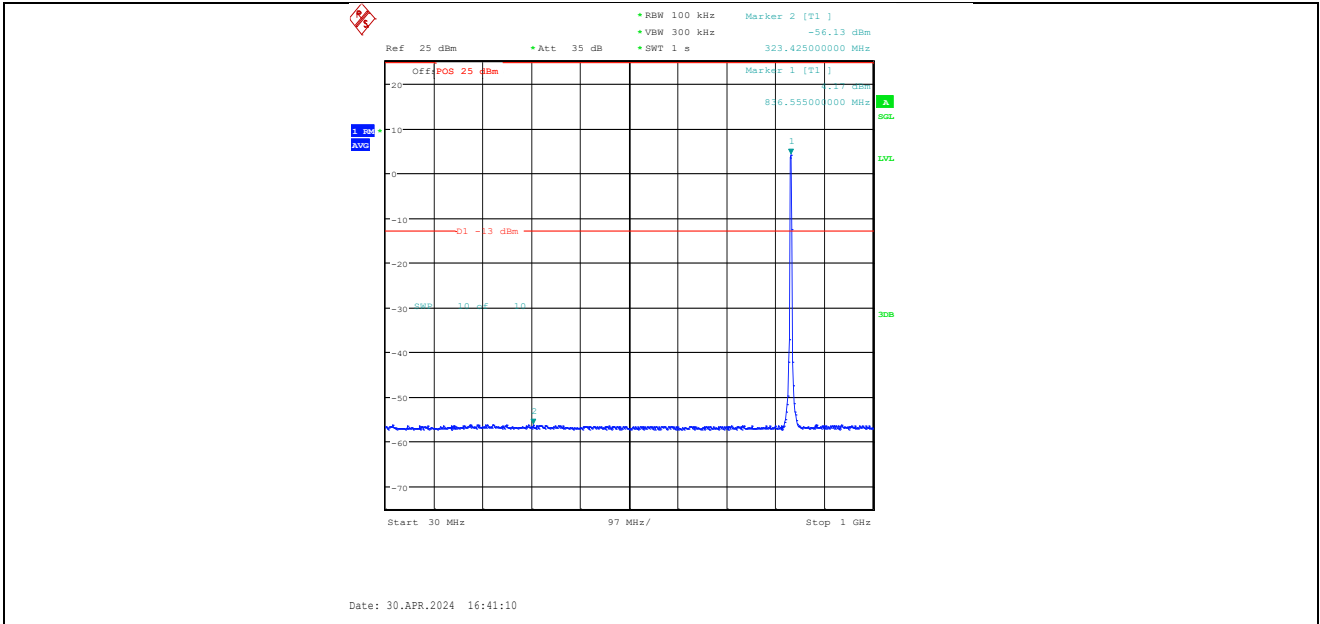
Band5-4132-4-1000~10000MHz-PASS



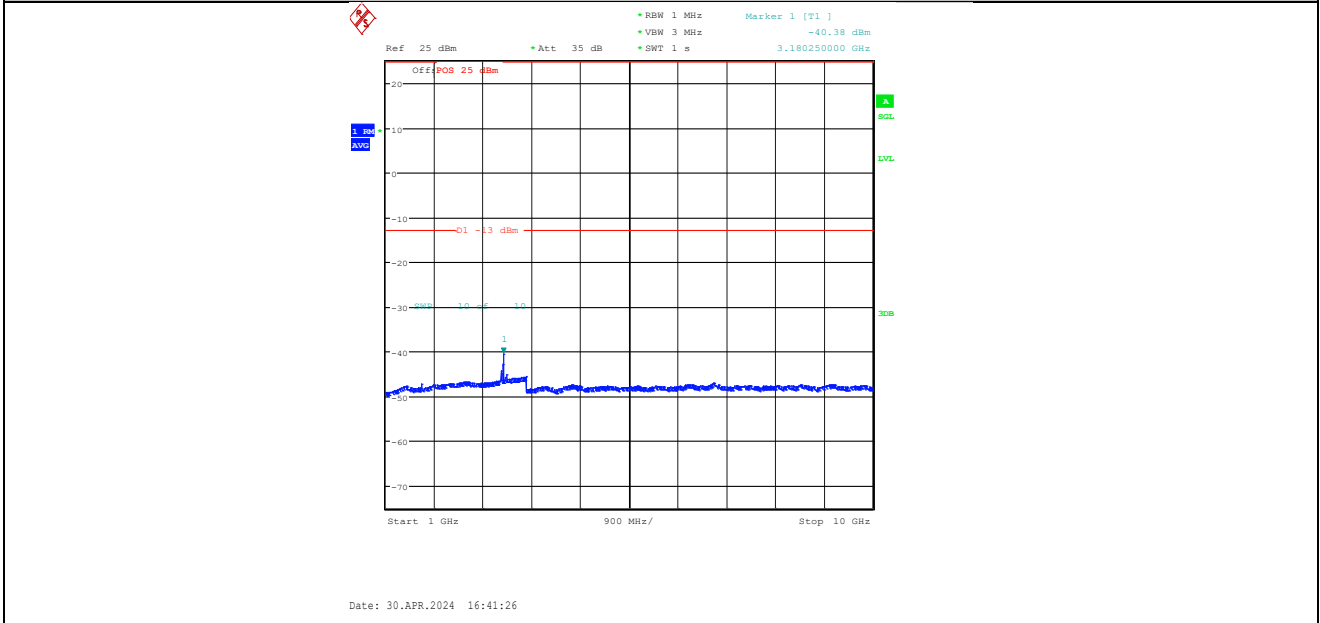
Band5-4182-4-0.009~0.15MHz-PASS



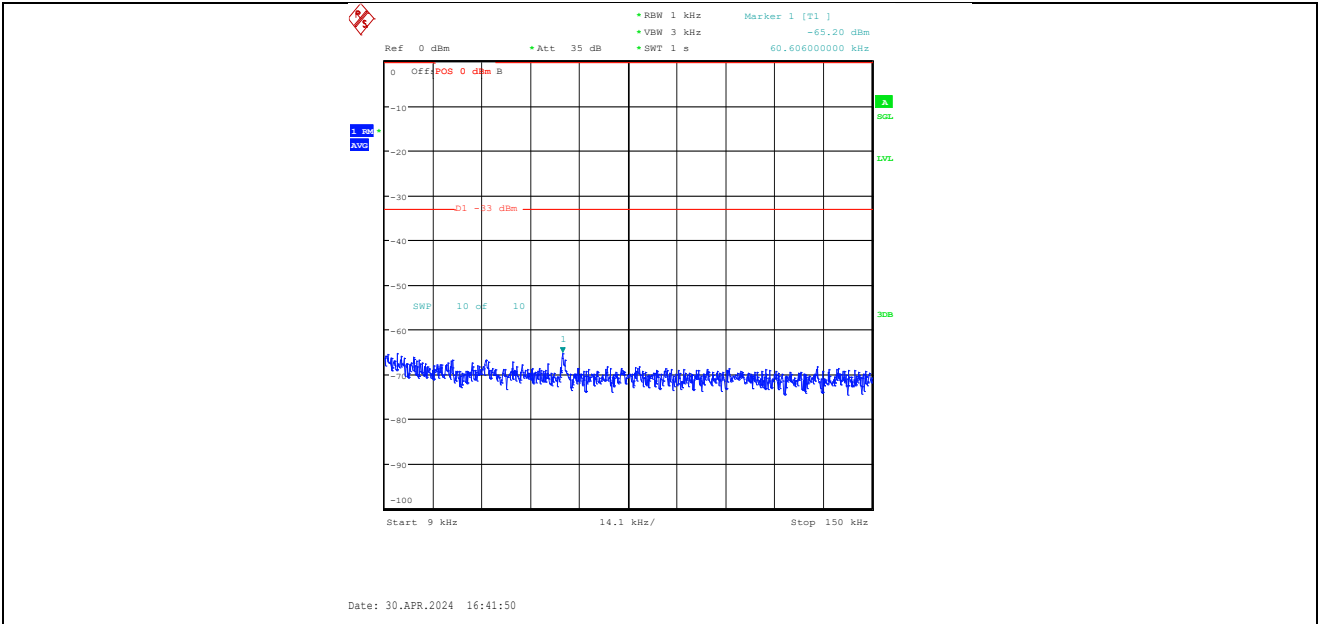
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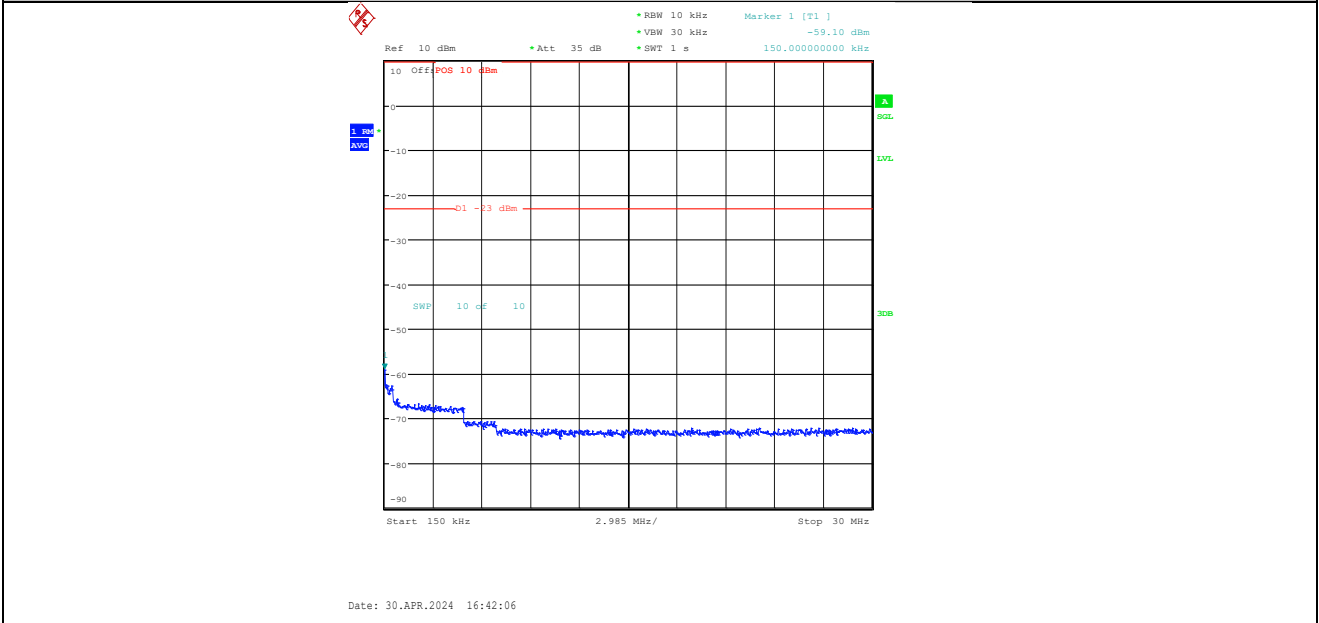
Band5-4182-4-30~1000MHz-PASS



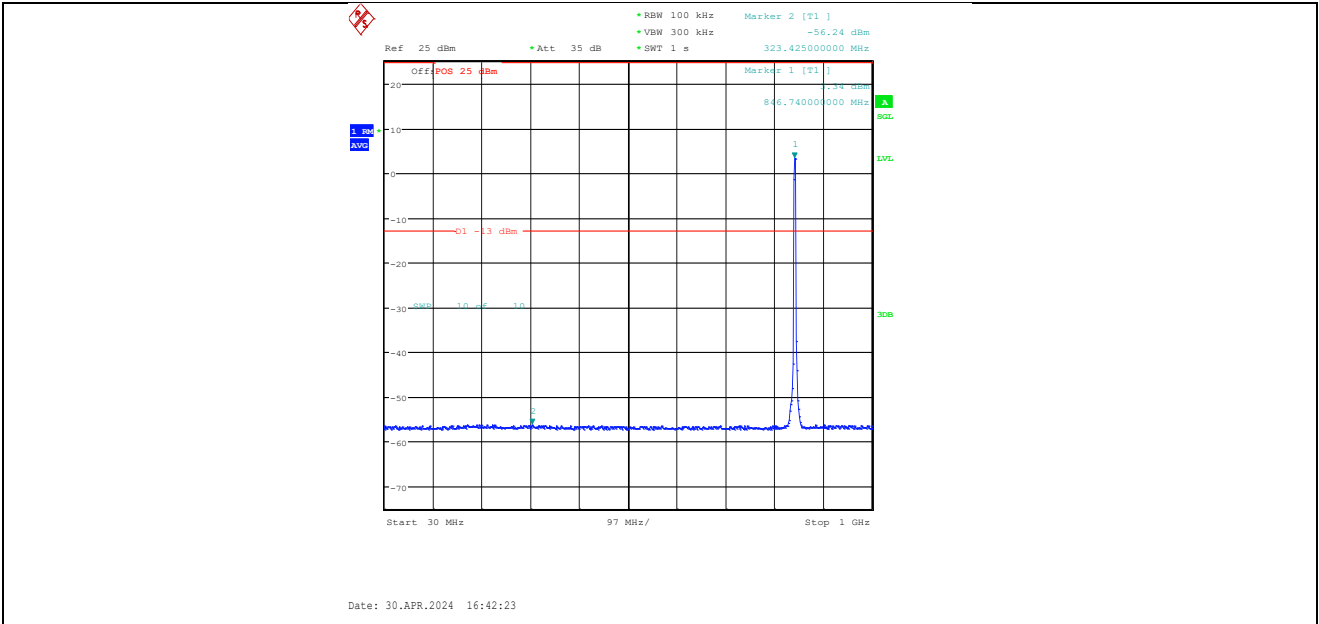
Band5-4182-4-1000~10000MHz-PASS



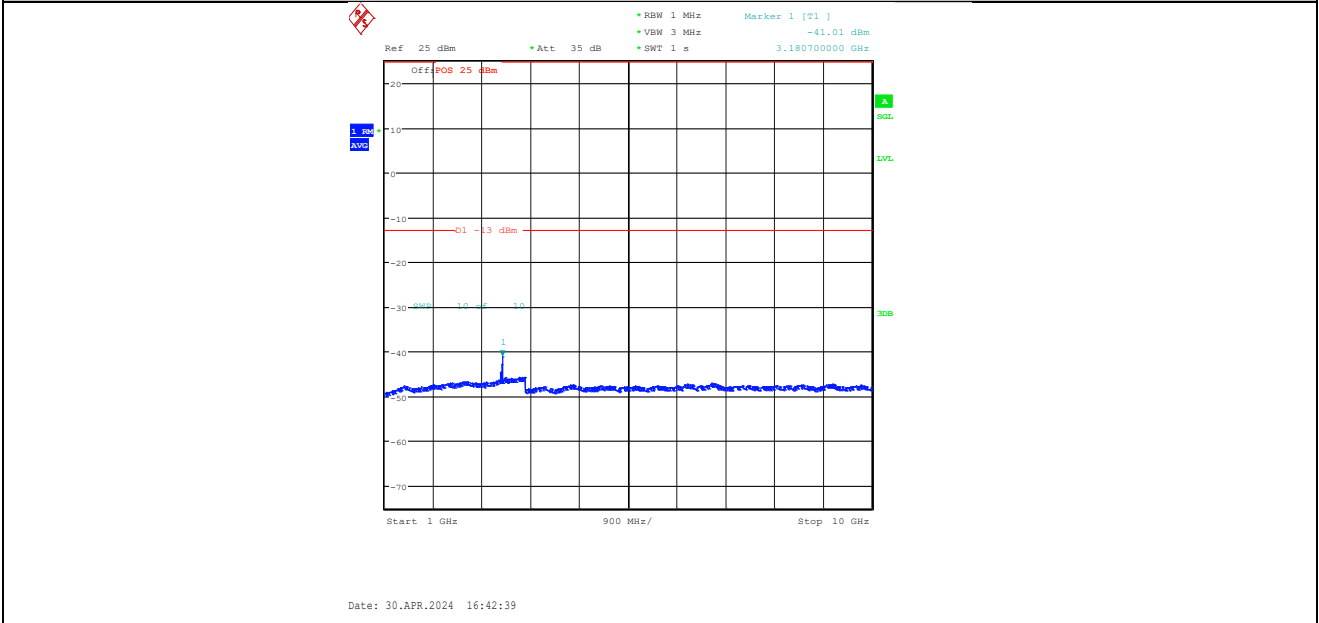
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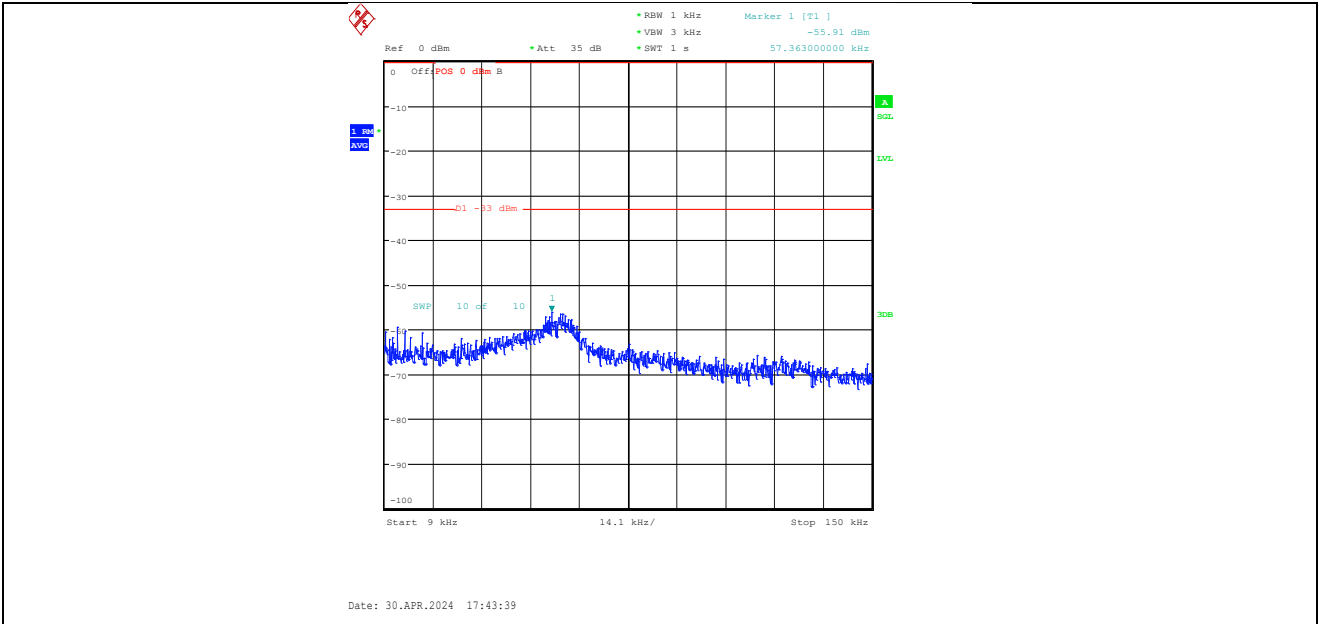
Band5-4233-4-0.15~30MHz-PASS



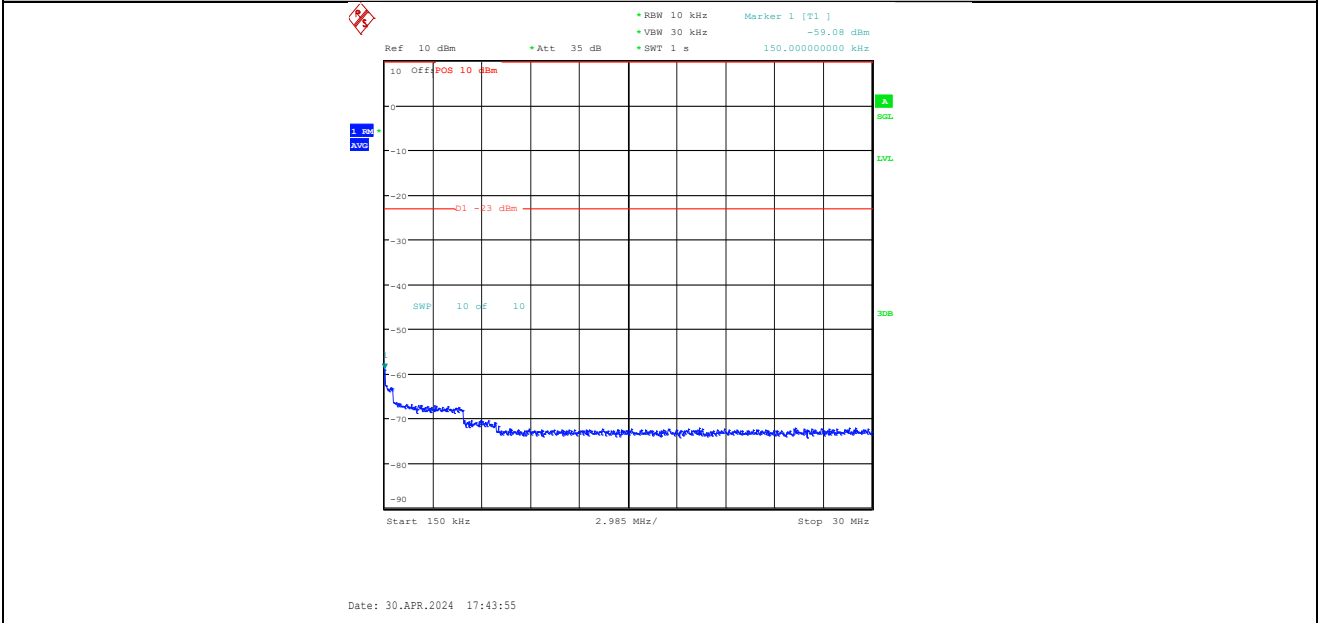
Band5-4233-4-30~1000MHz-PASS



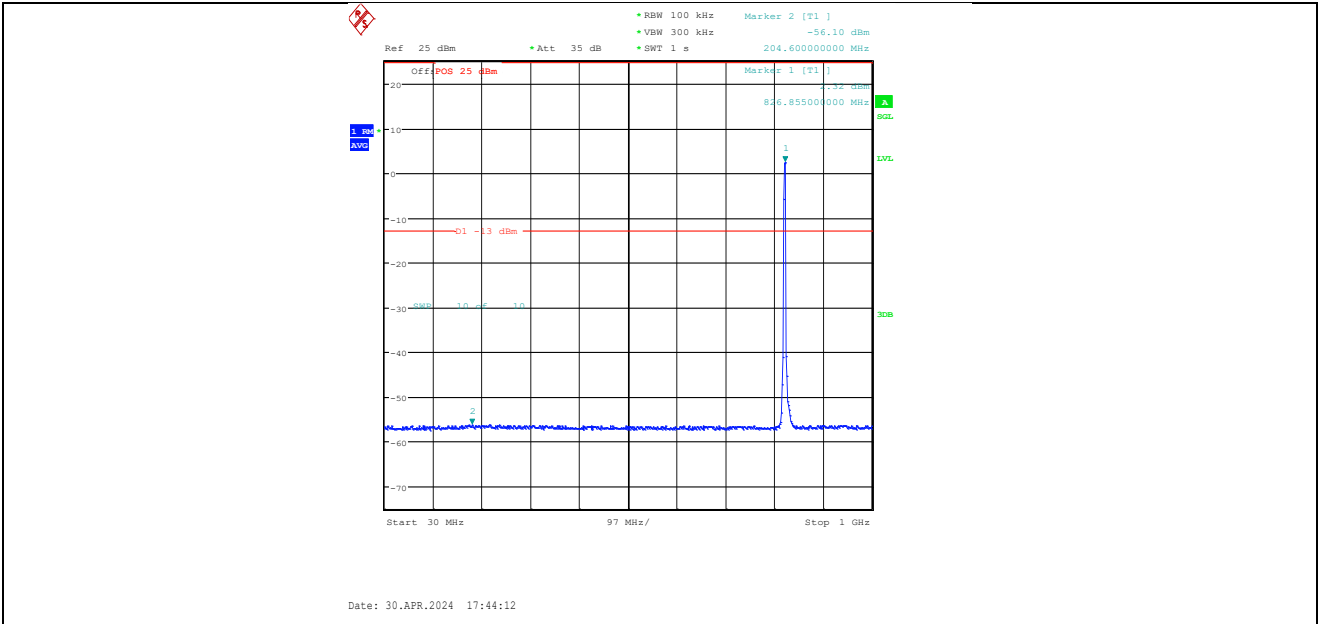
Band5-4233-4-1000~10000MHz-PASS



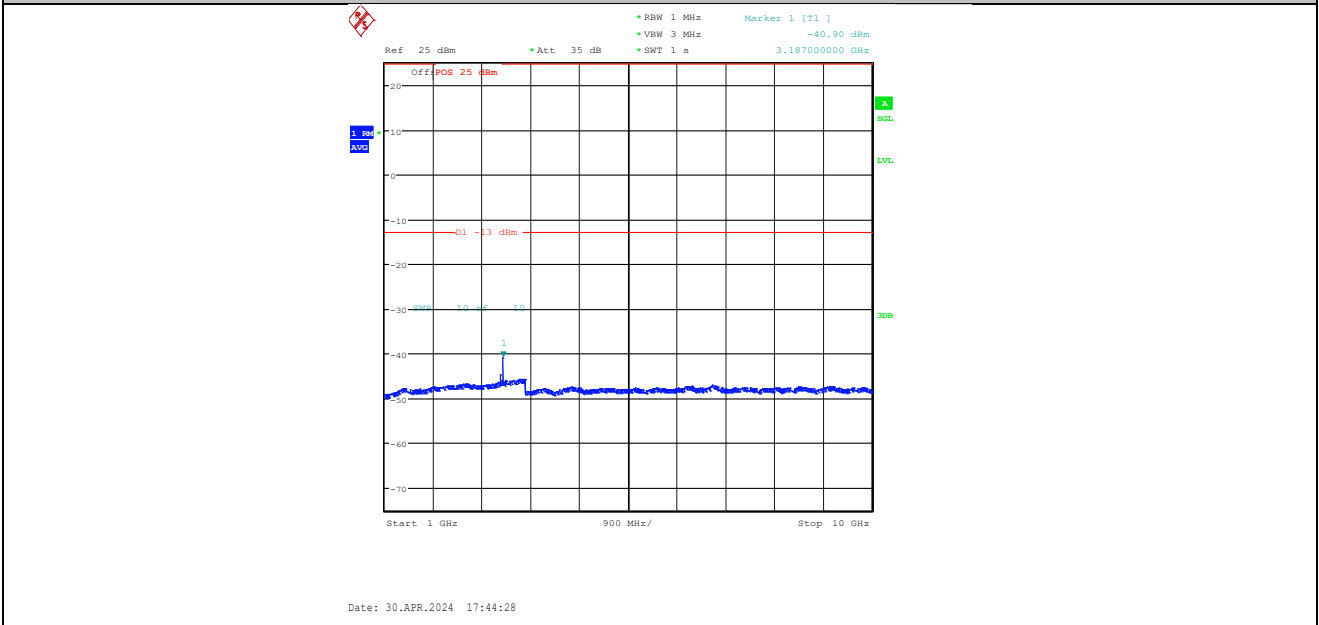
Band5-4132-1-0.009~0.15MHz-PASS



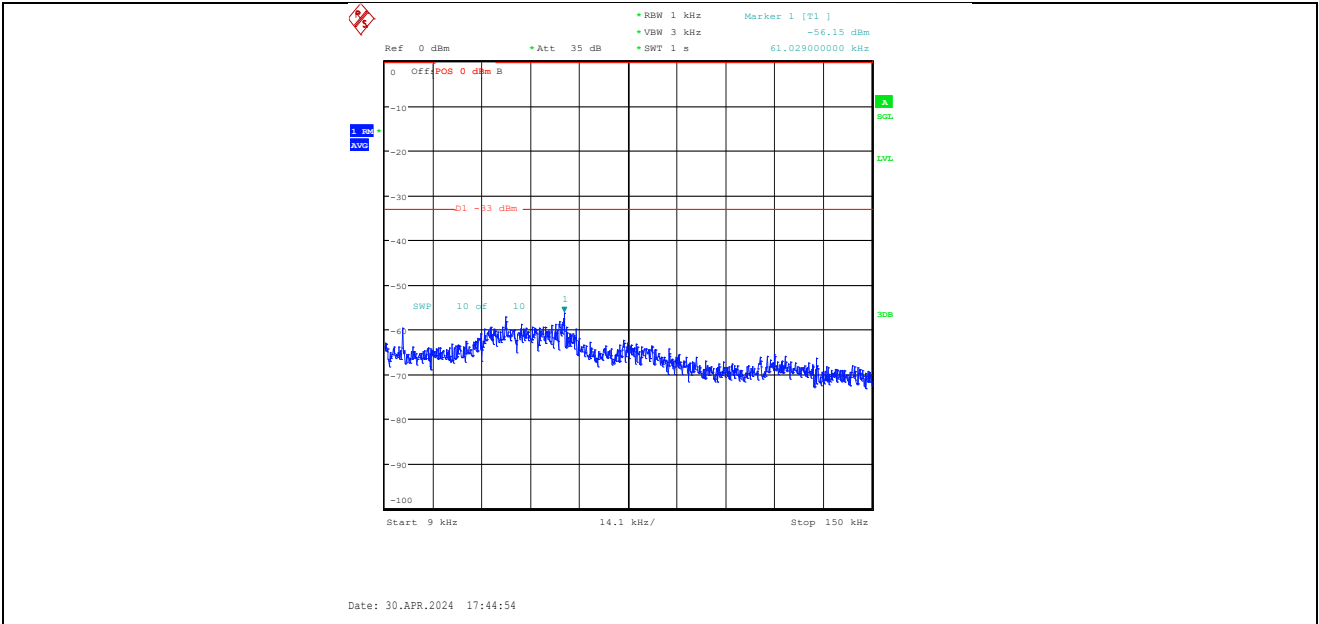
Band5-4132-1-0.15~30MHz-PASS



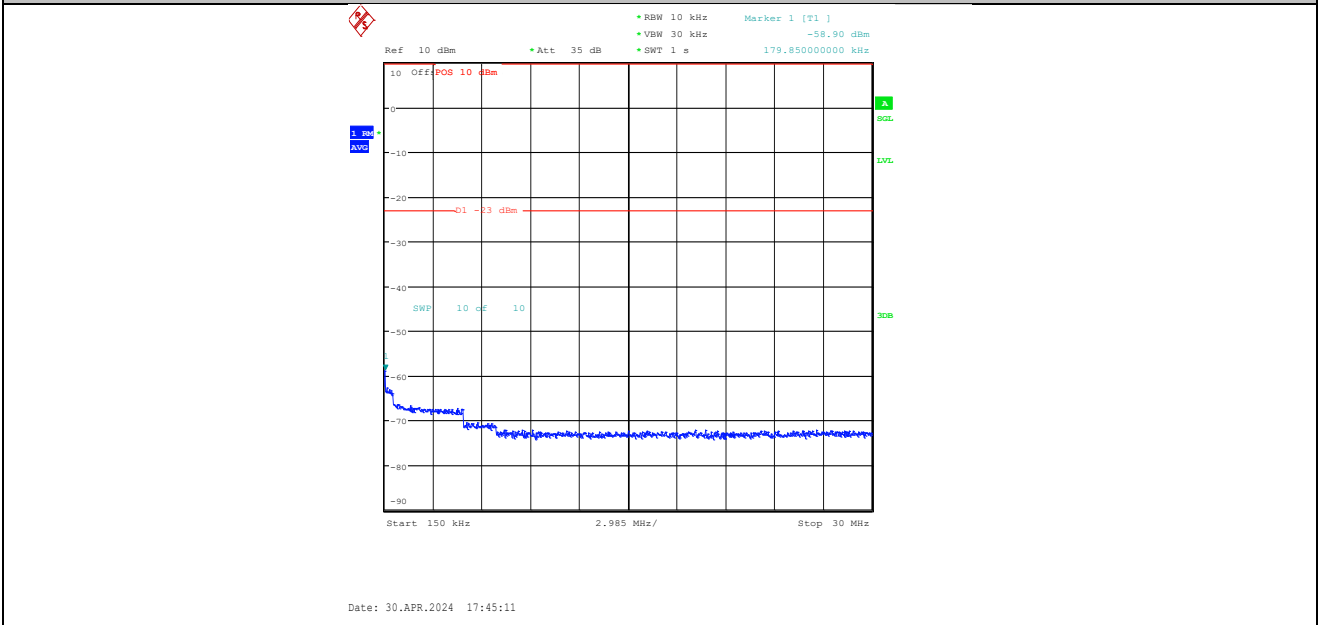
Band5-4132-1-30~1000MHz-PASS



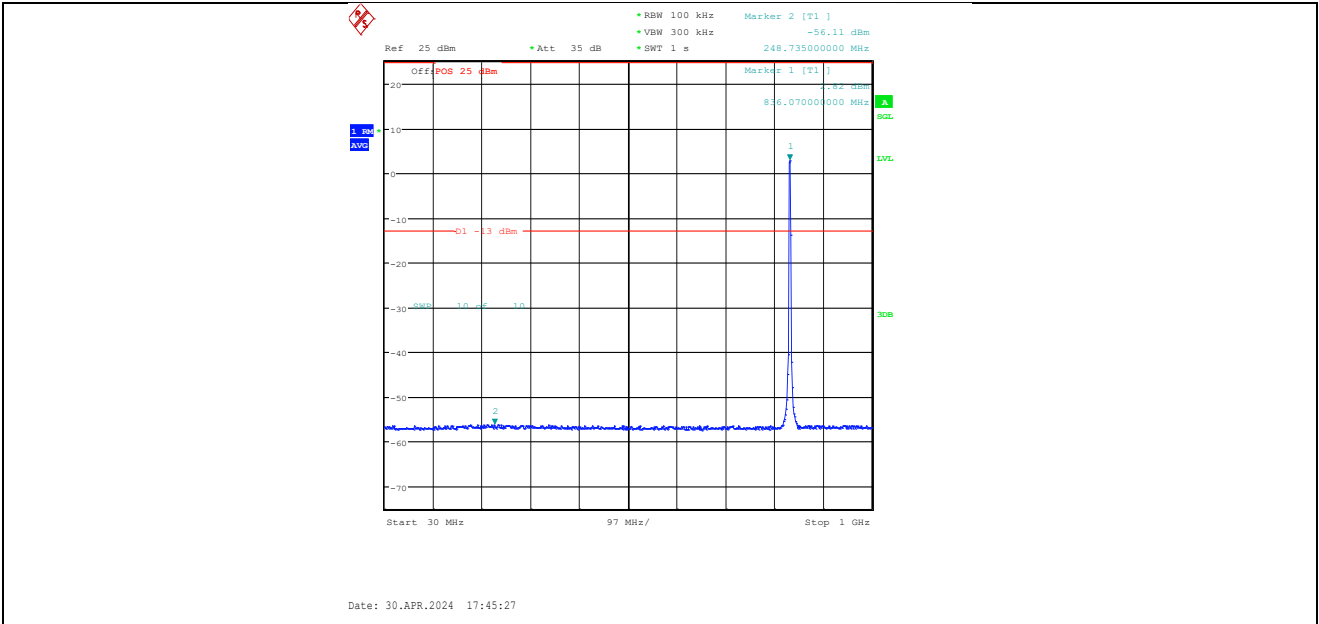
Band5-4132-1-1000~10000MHz-PASS



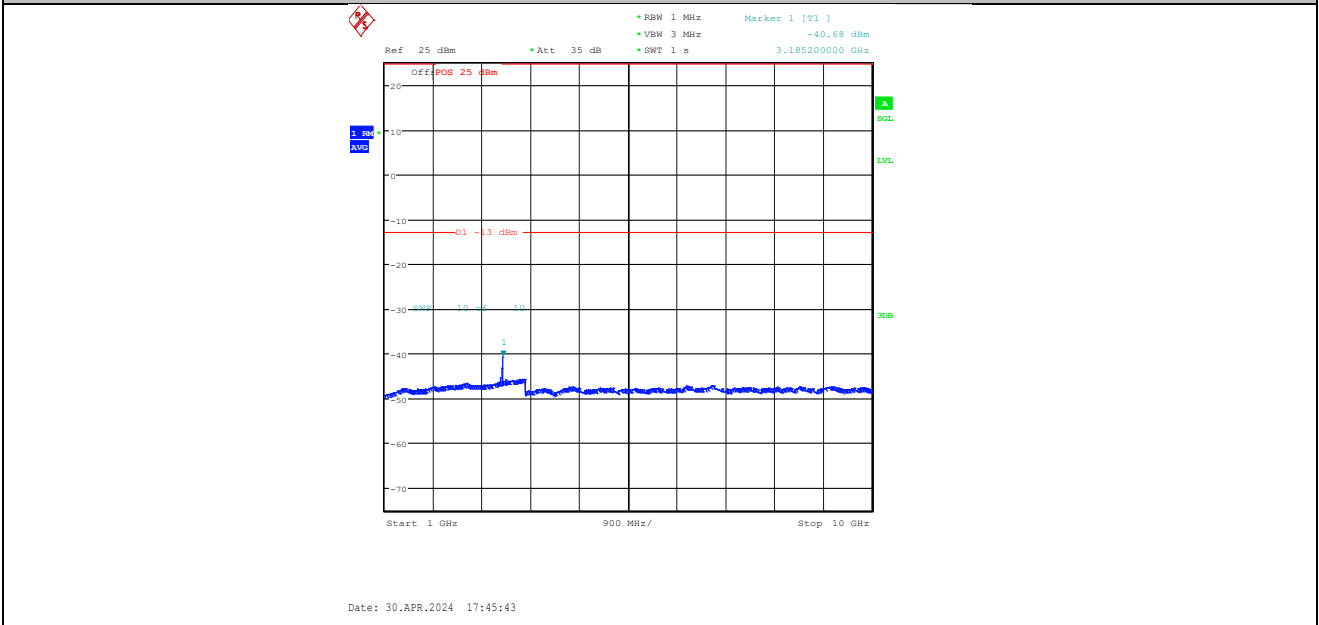
Band5-4182-1-0.009~0.15MHz-PASS



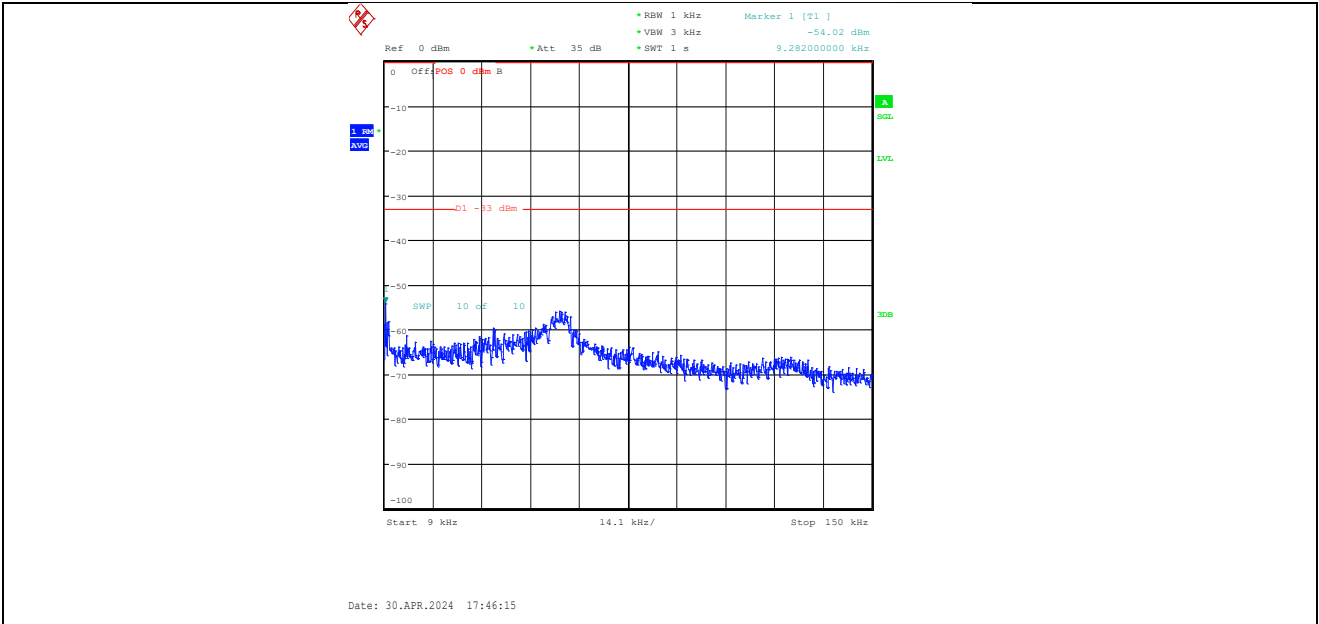
Band5-4182-1-0.15~30MHz-PASS



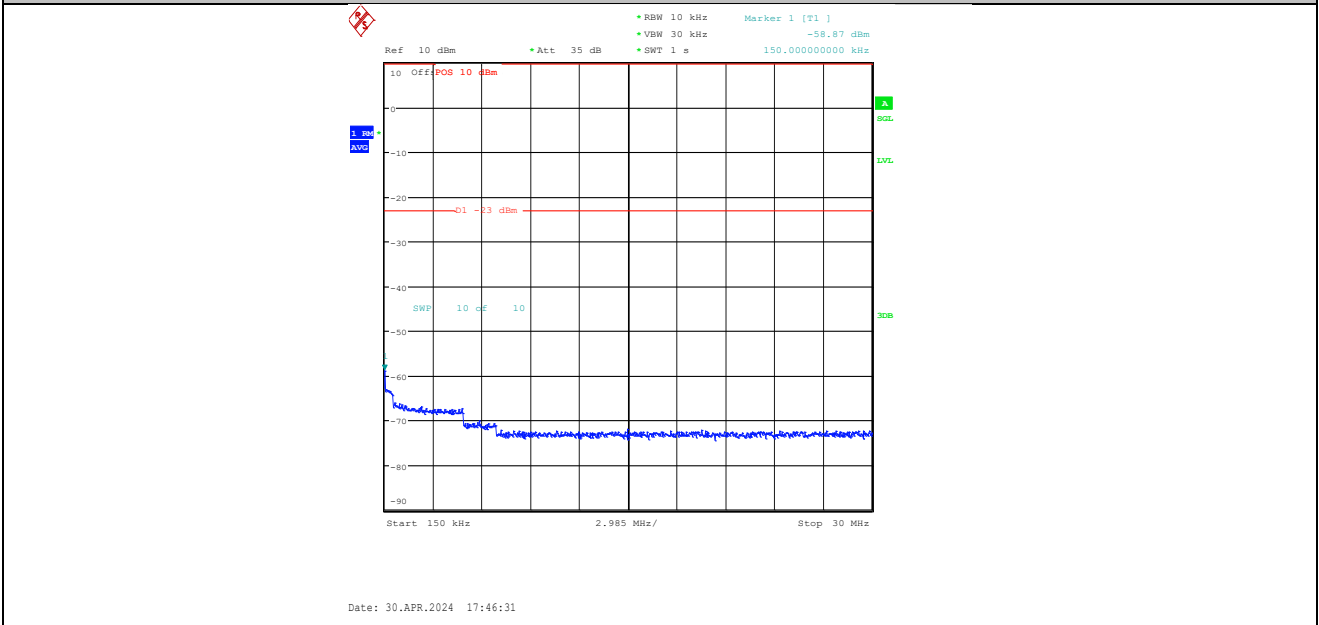
Band5-4182-1-30~1000MHz-PASS



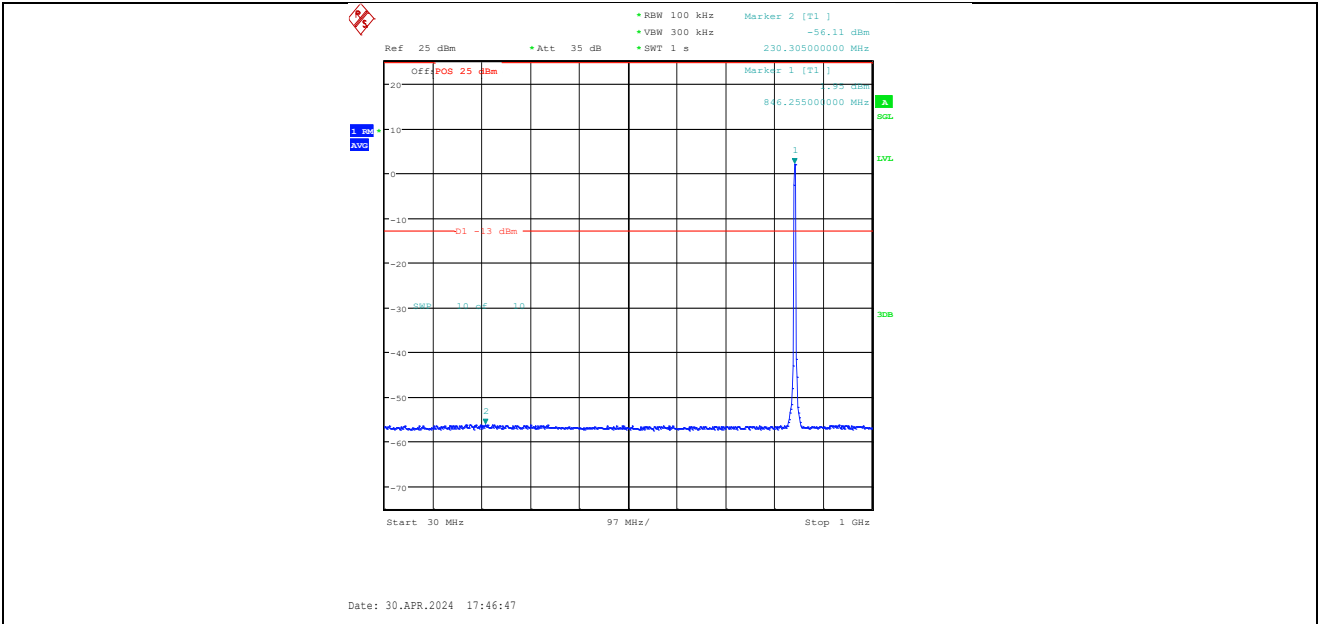
Band5-4182-1-1000~10000MHz-PASS



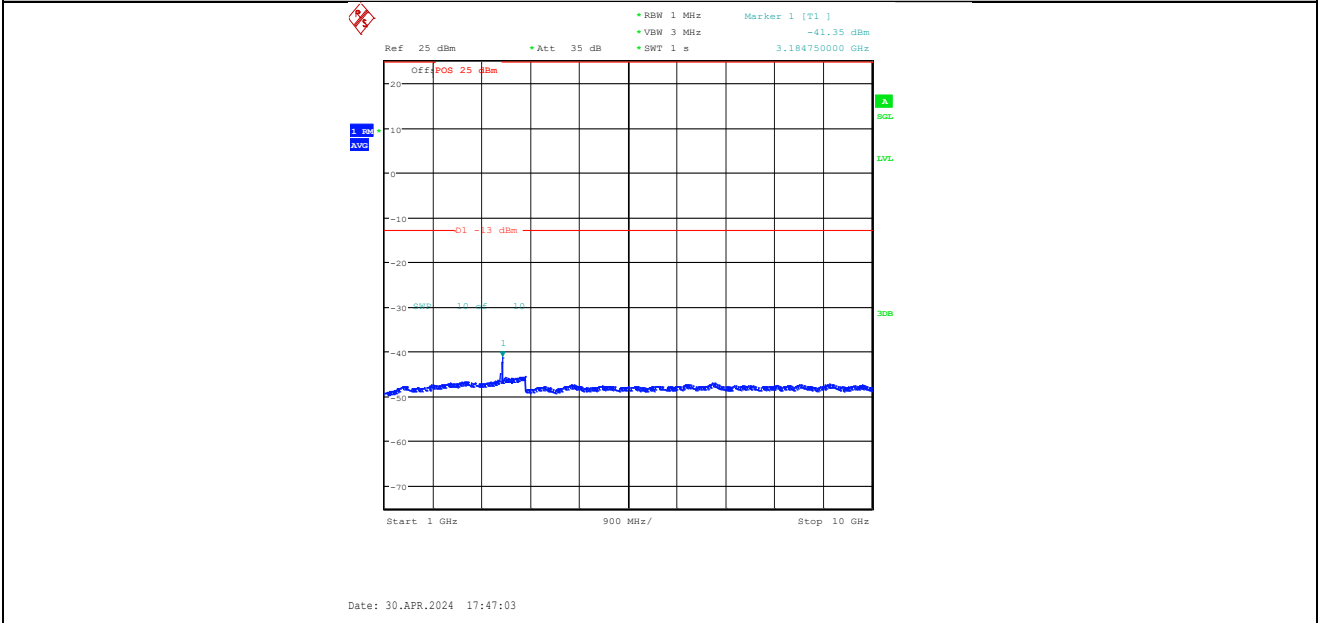
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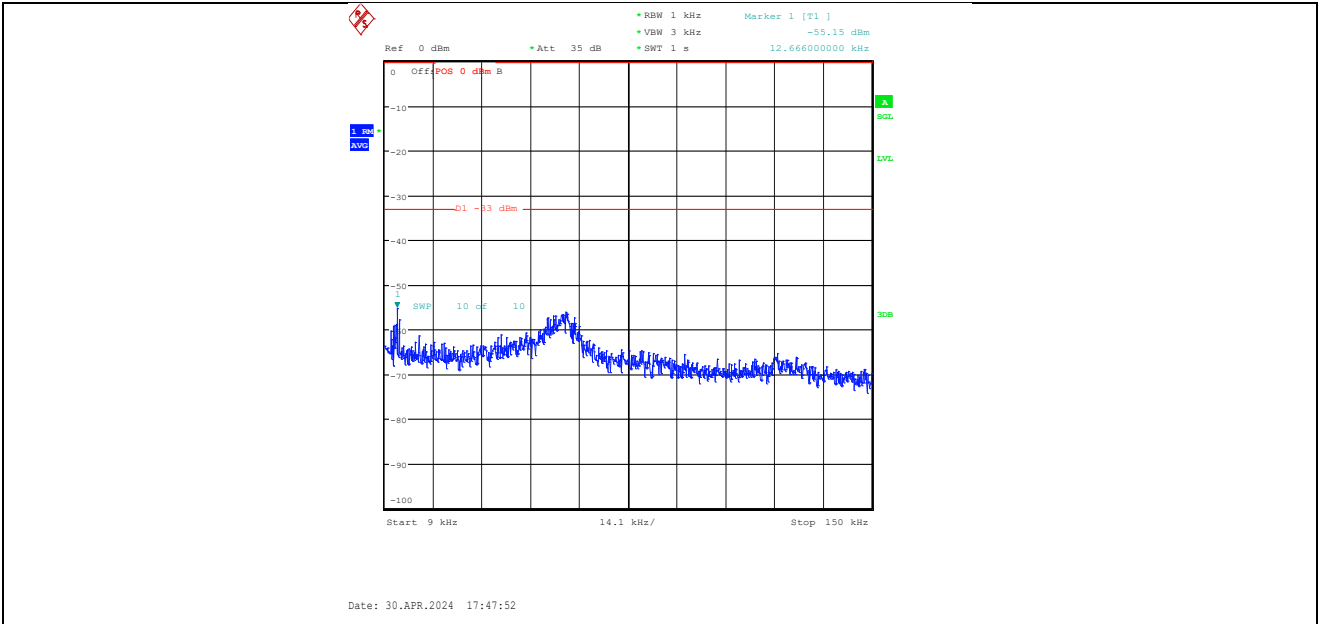
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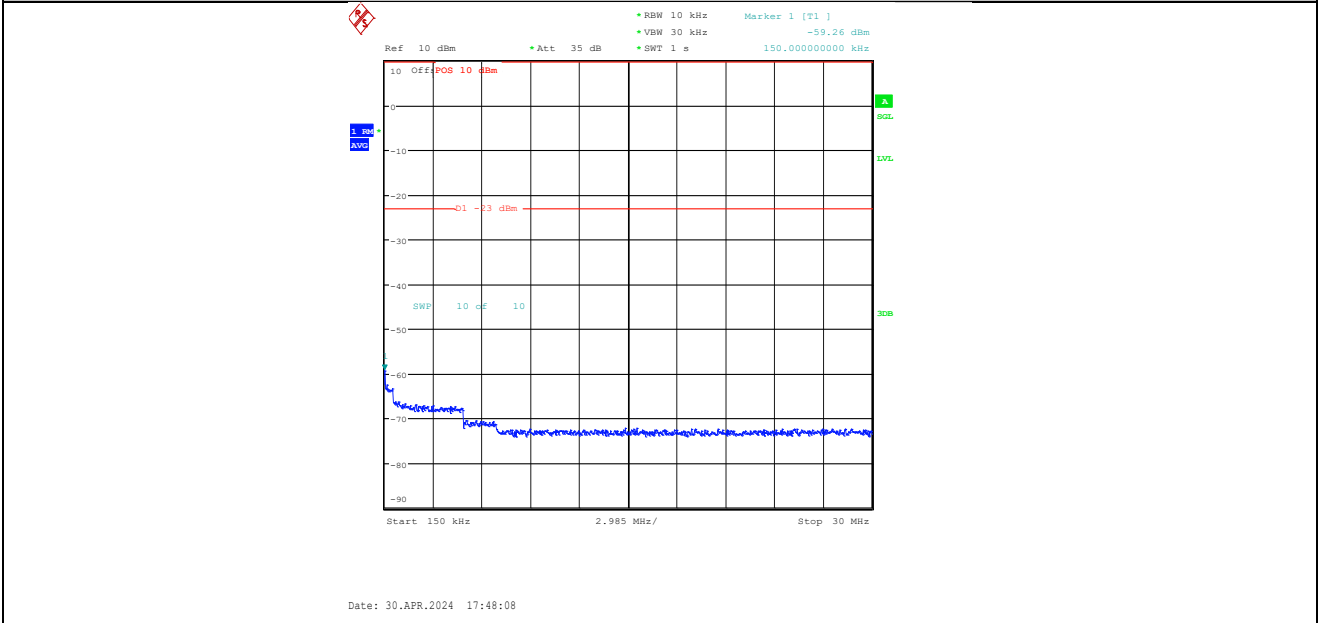
Band5-4233-1-30~1000MHz-PASS



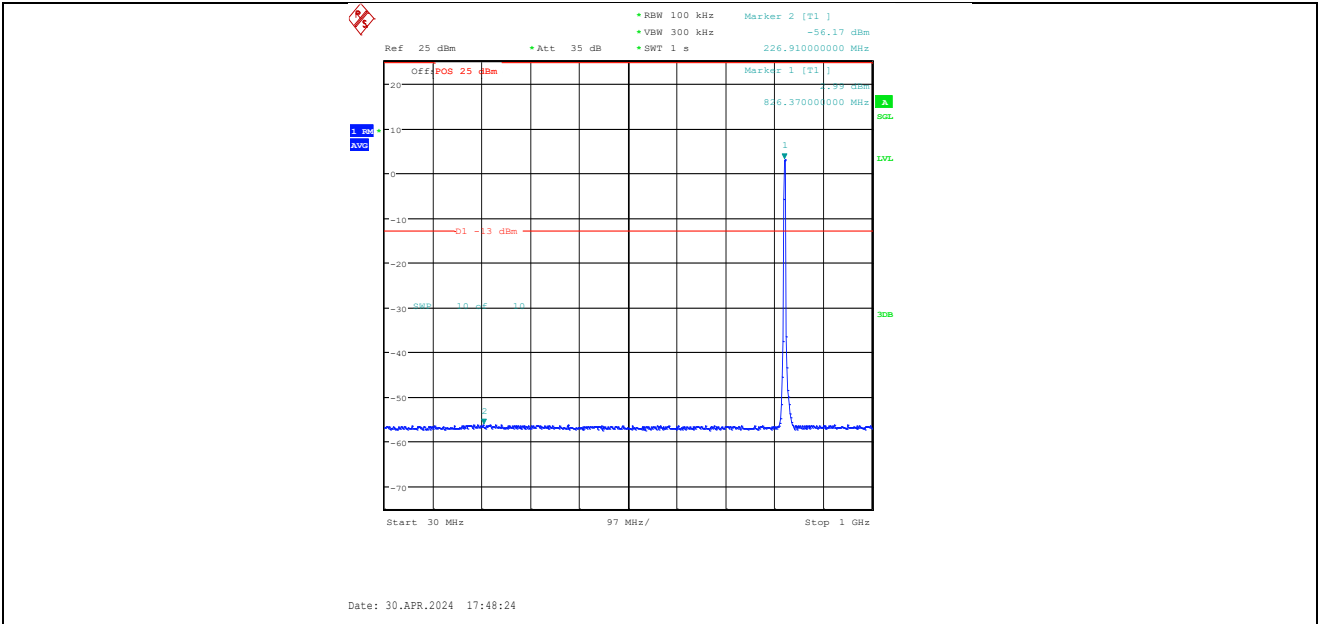
Band5-4233-1-1000~10000MHz-PASS



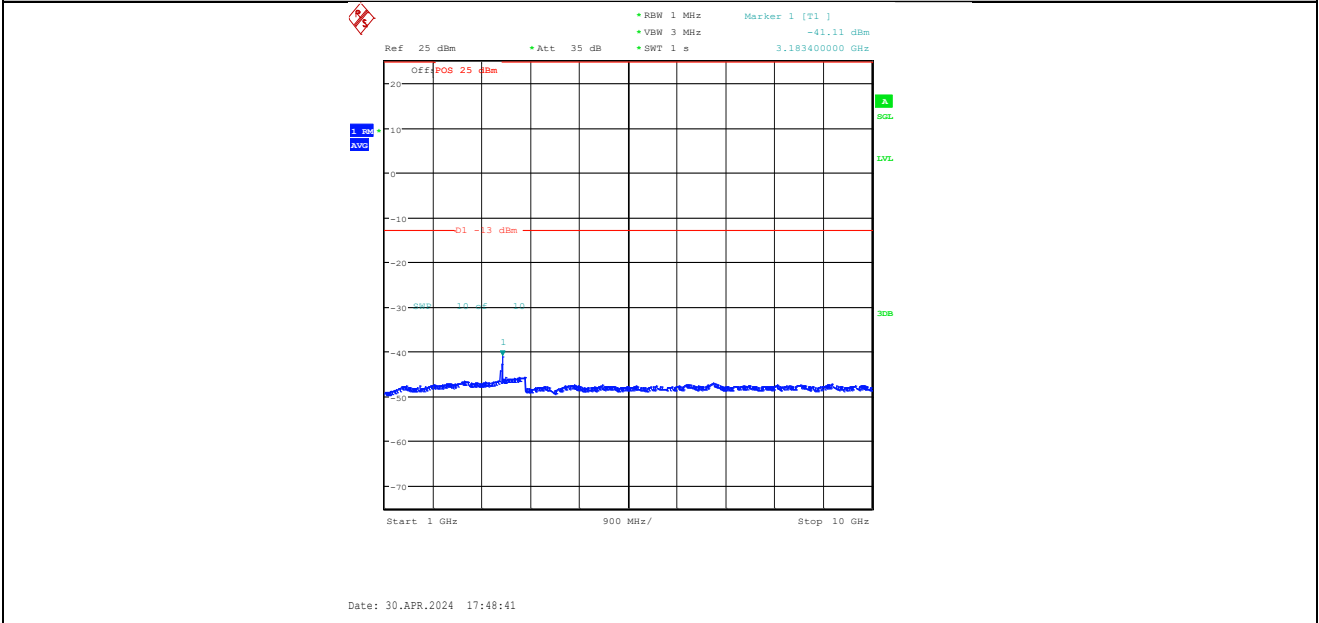
Band5-4132-2-0.009~0.15MHz-PASS



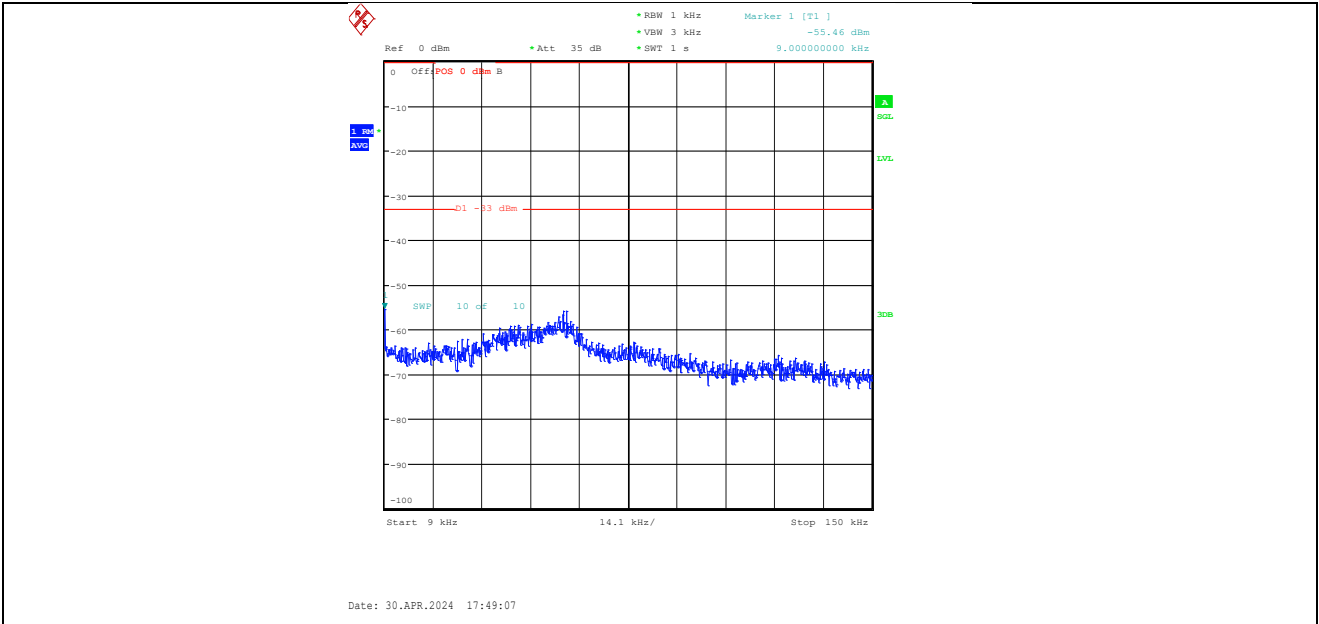
Band5-4132-2-0.15~30MHz-PASS



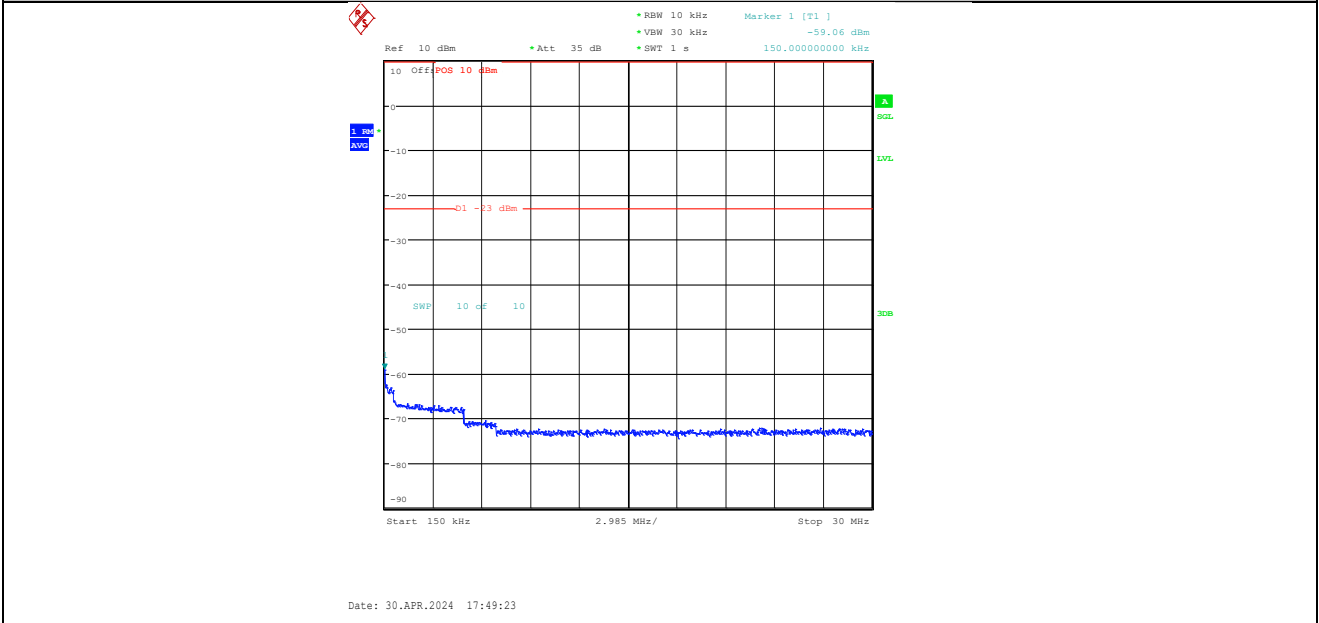
Band5-4132-2-30~1000MHz-PASS



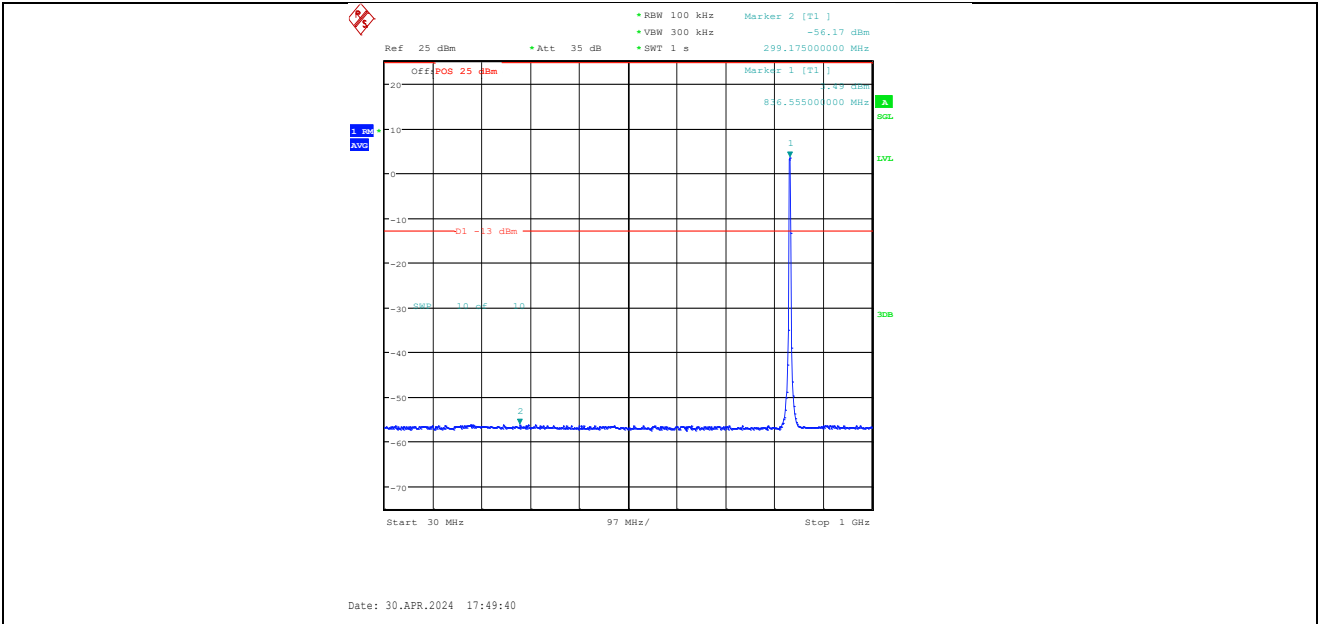
Band5-4132-2-1000~10000MHz-PASS



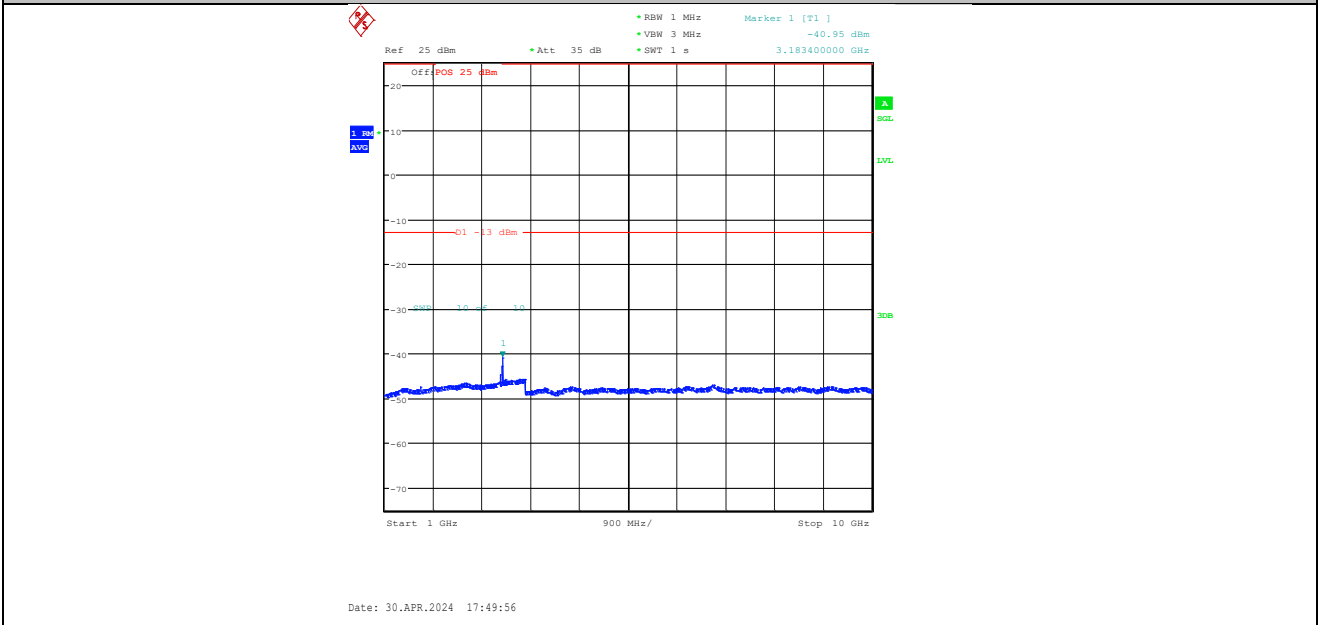
Band5-4182-2-0.009~0.15MHz-PASS



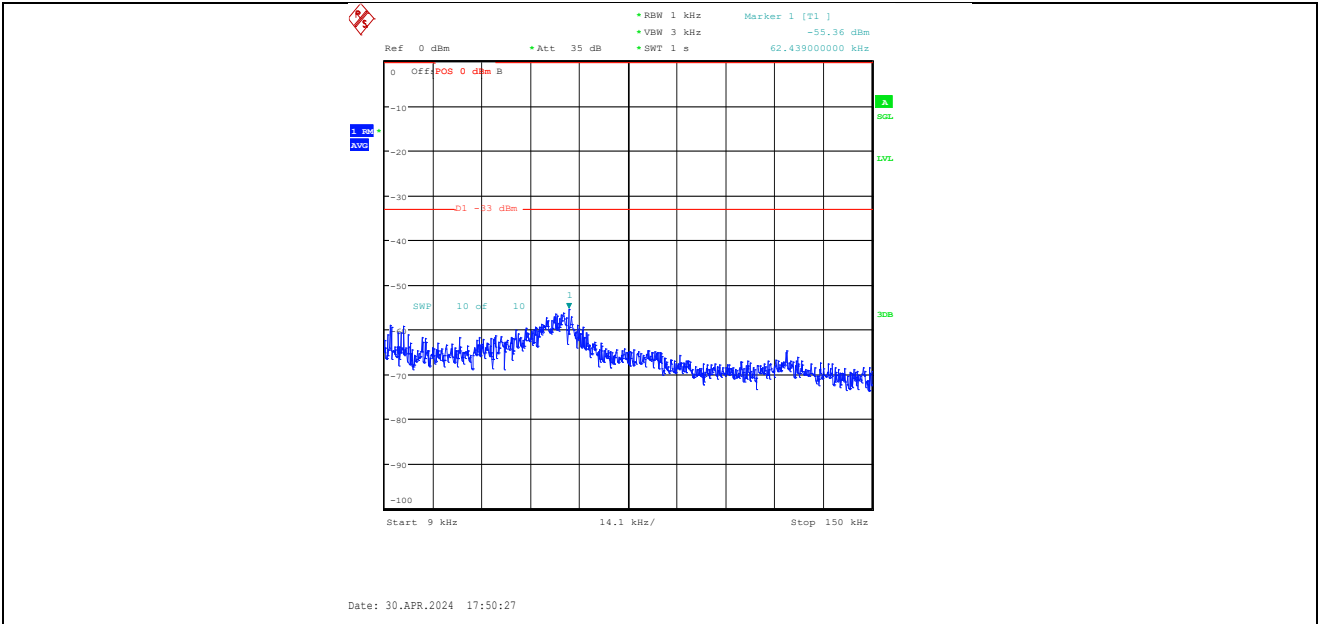
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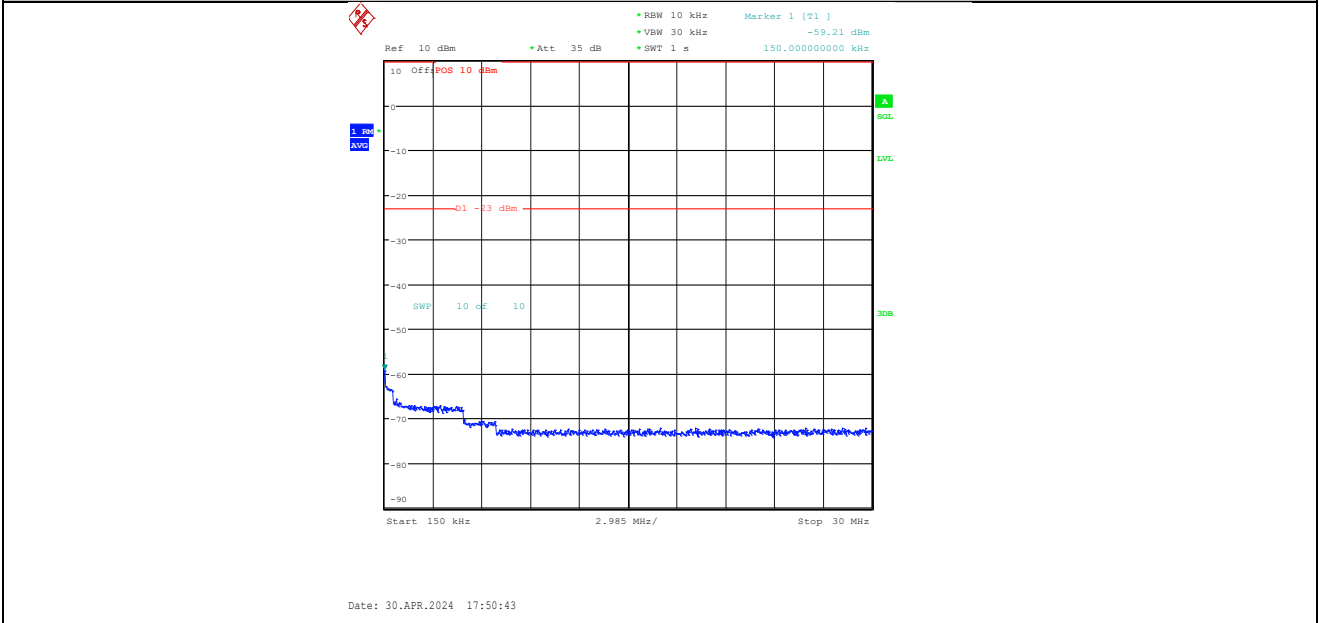
Band5-4182-2-30~1000MHz-PASS



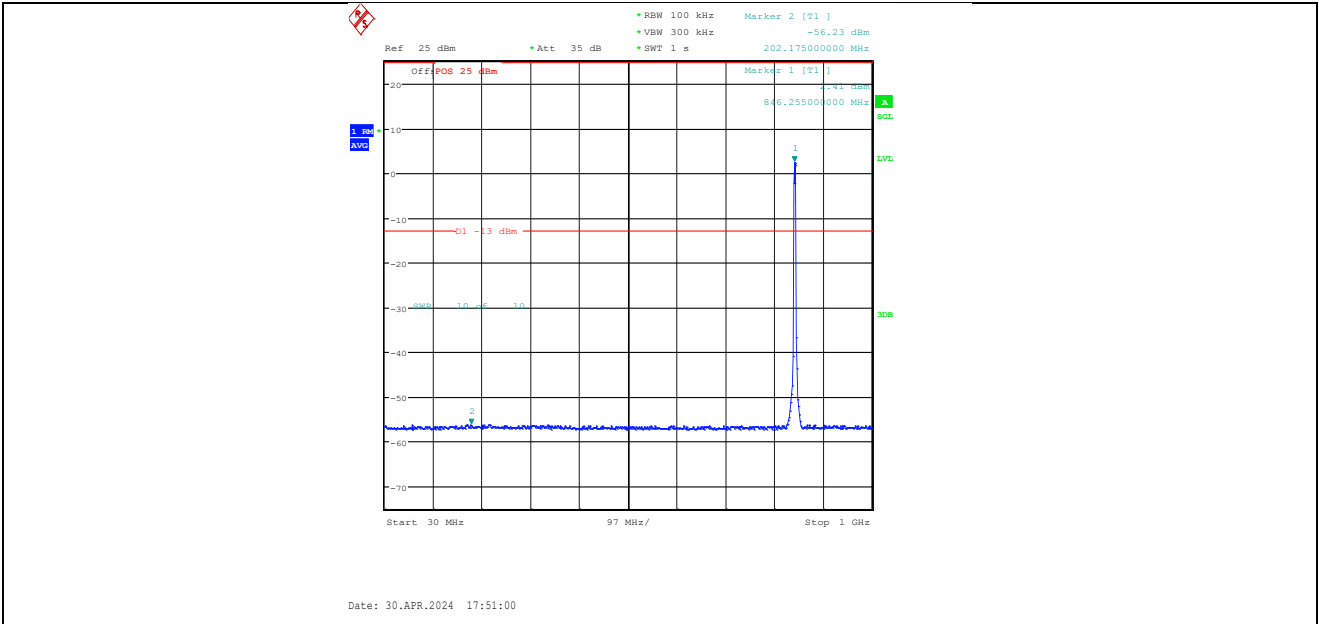
Band5-4182-2-1000~10000MHz-PASS



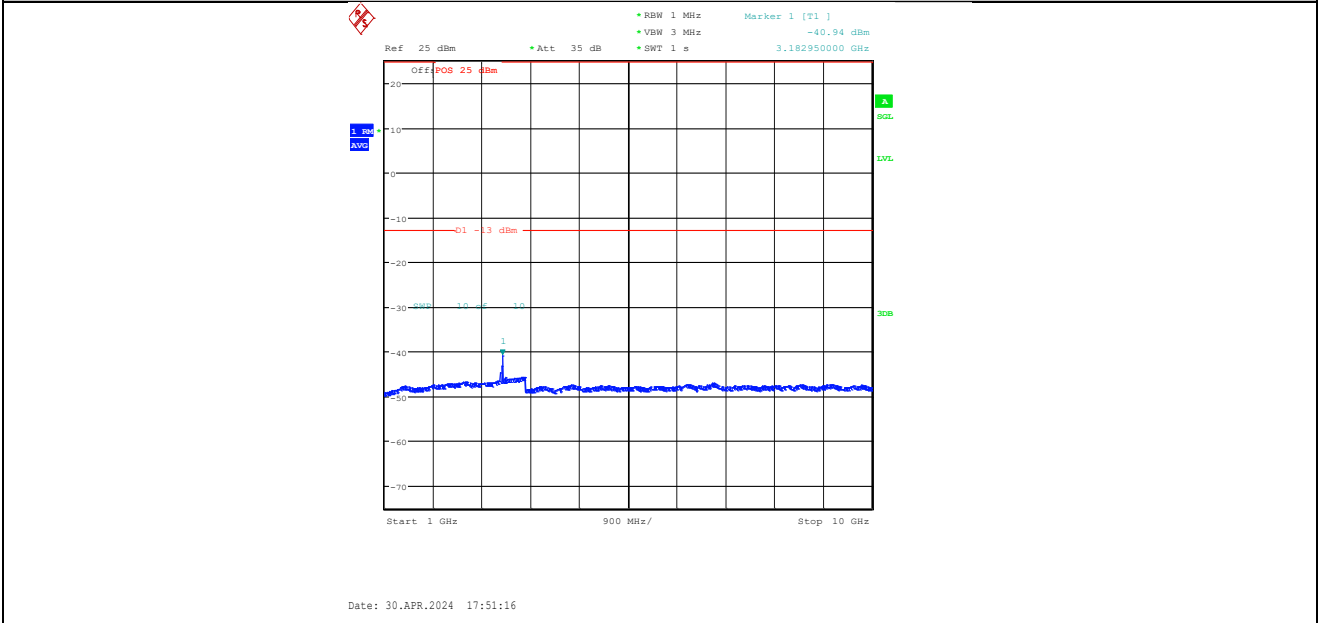
Band5-4233-2-0.009~0.15MHz-PASS



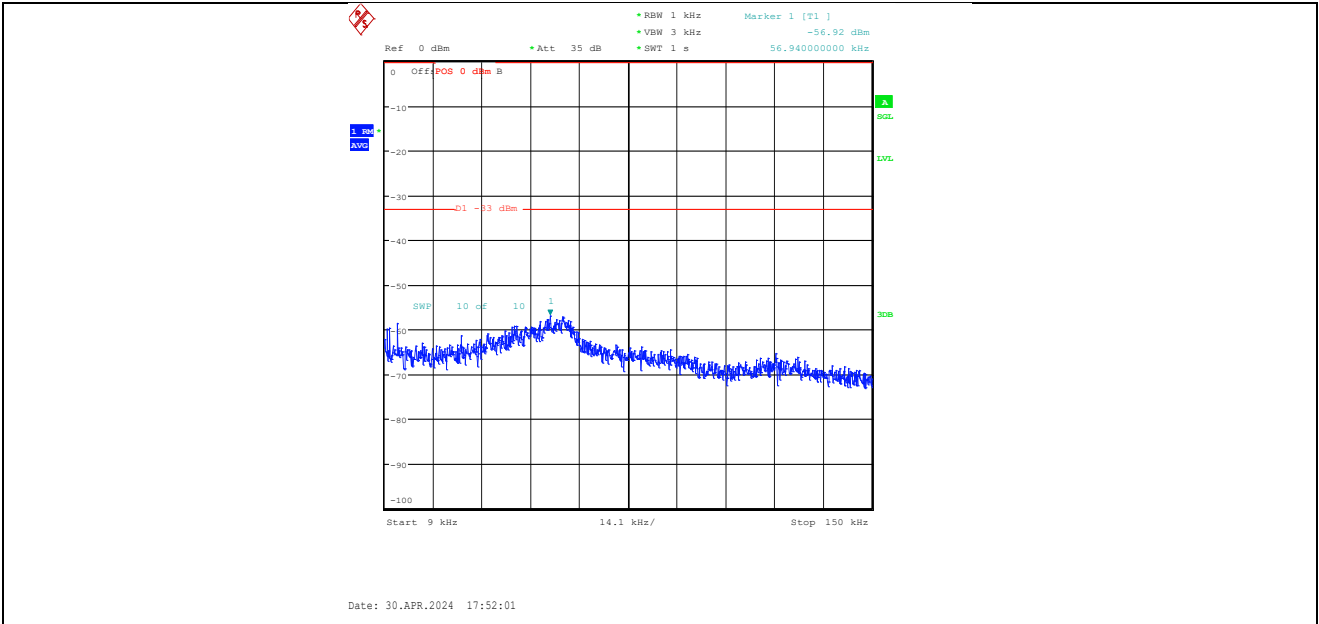
Band5-4233-2-0.15~30MHz-PASS



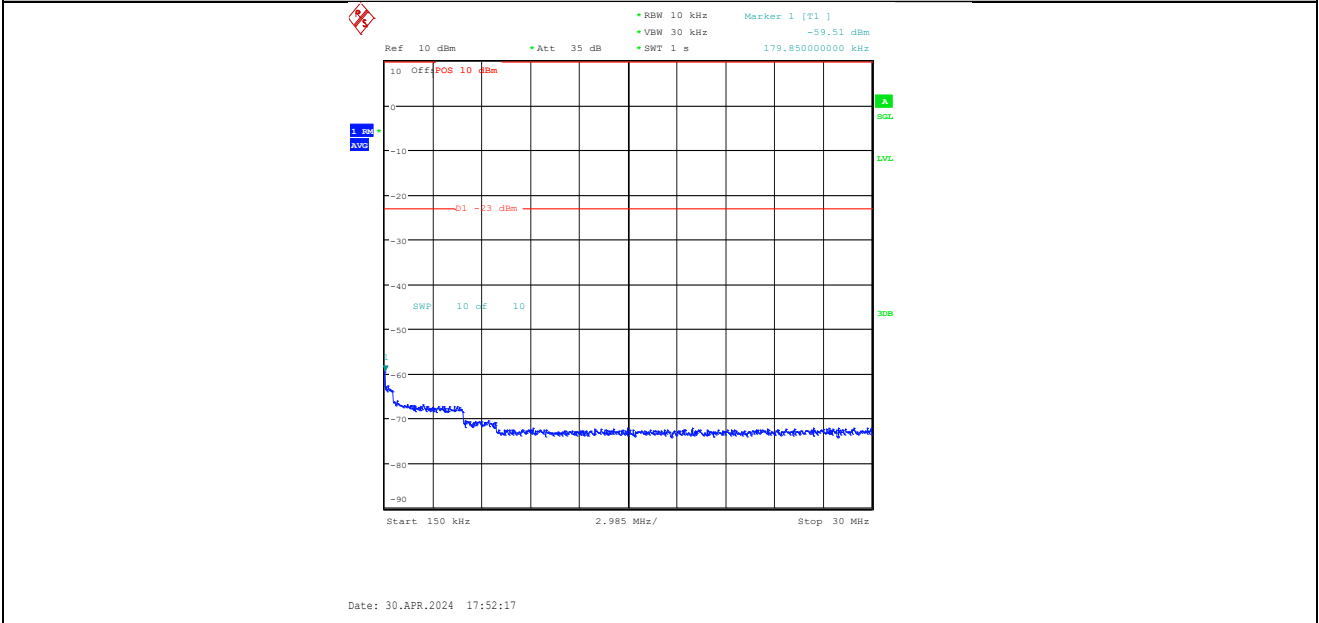
Band5-4233-2-30~1000MHz-PASS



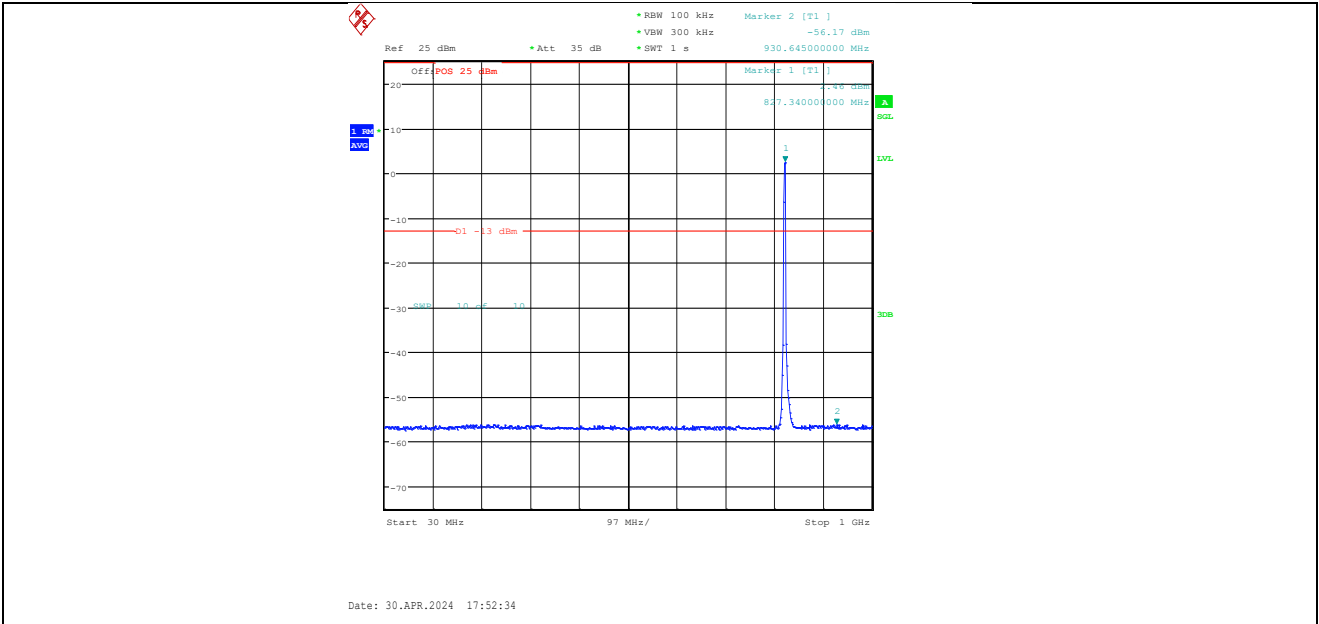
Band5-4233-2-1000~10000MHz-PASS



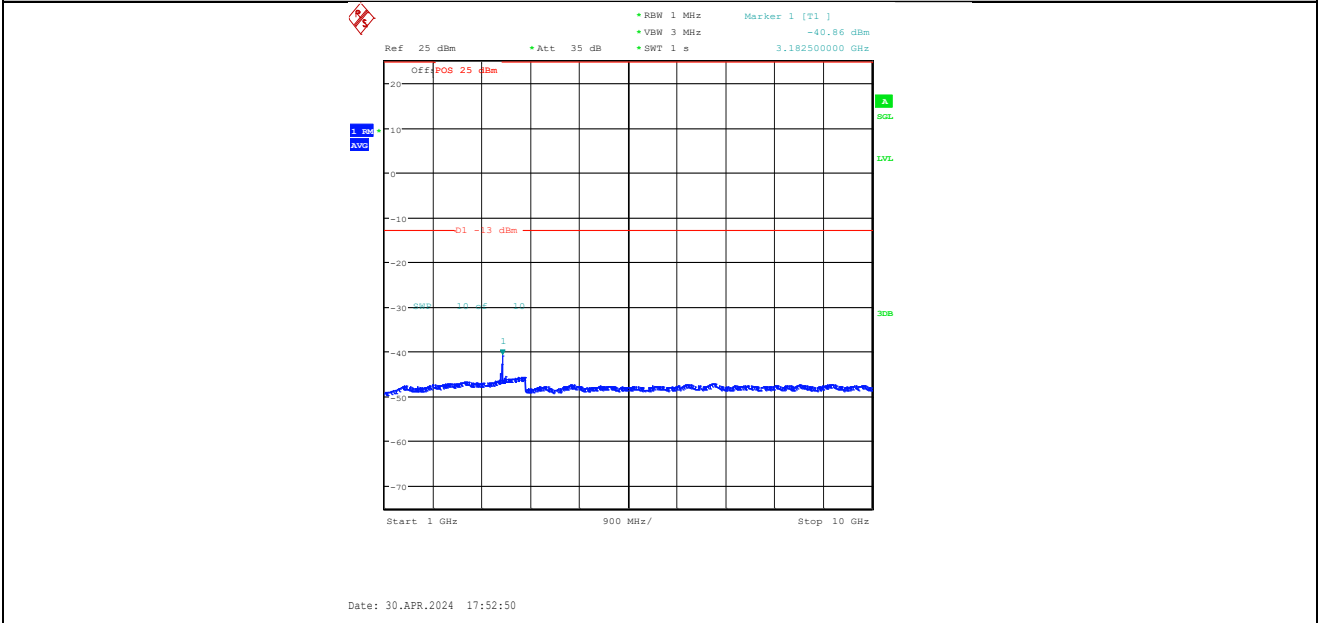
Band5-4132-3-0.009~0.15MHz-PASS



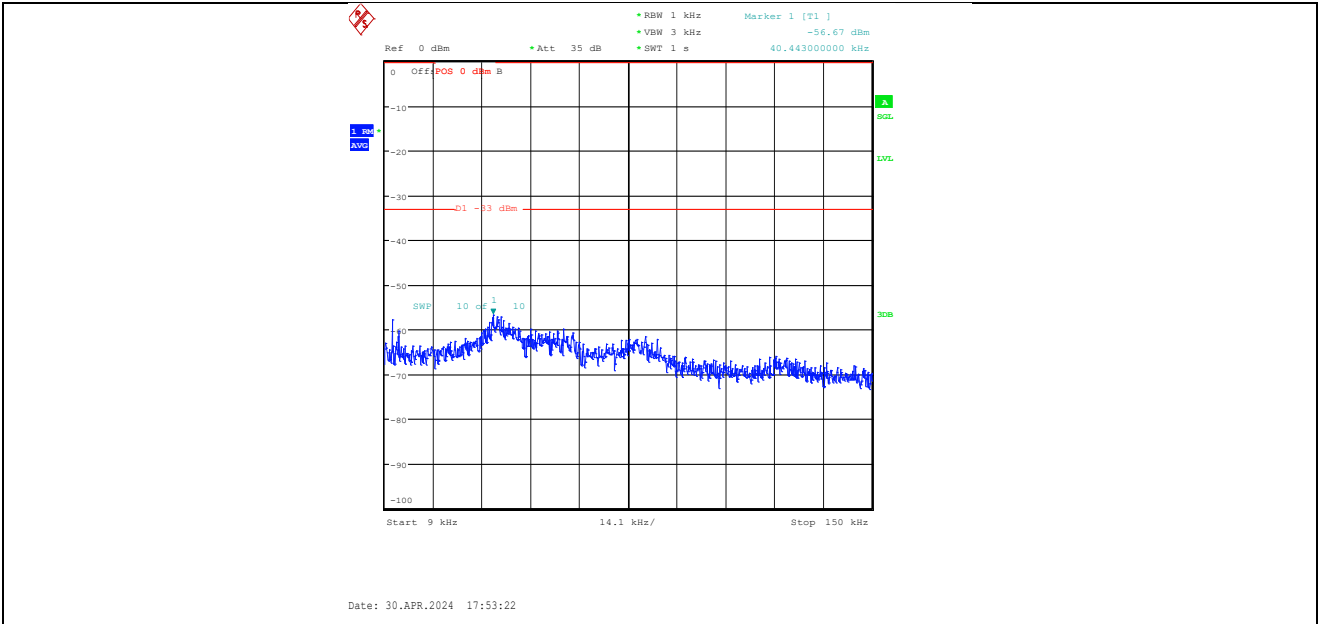
Band5-4132-3-0.15~30MHz-PASS



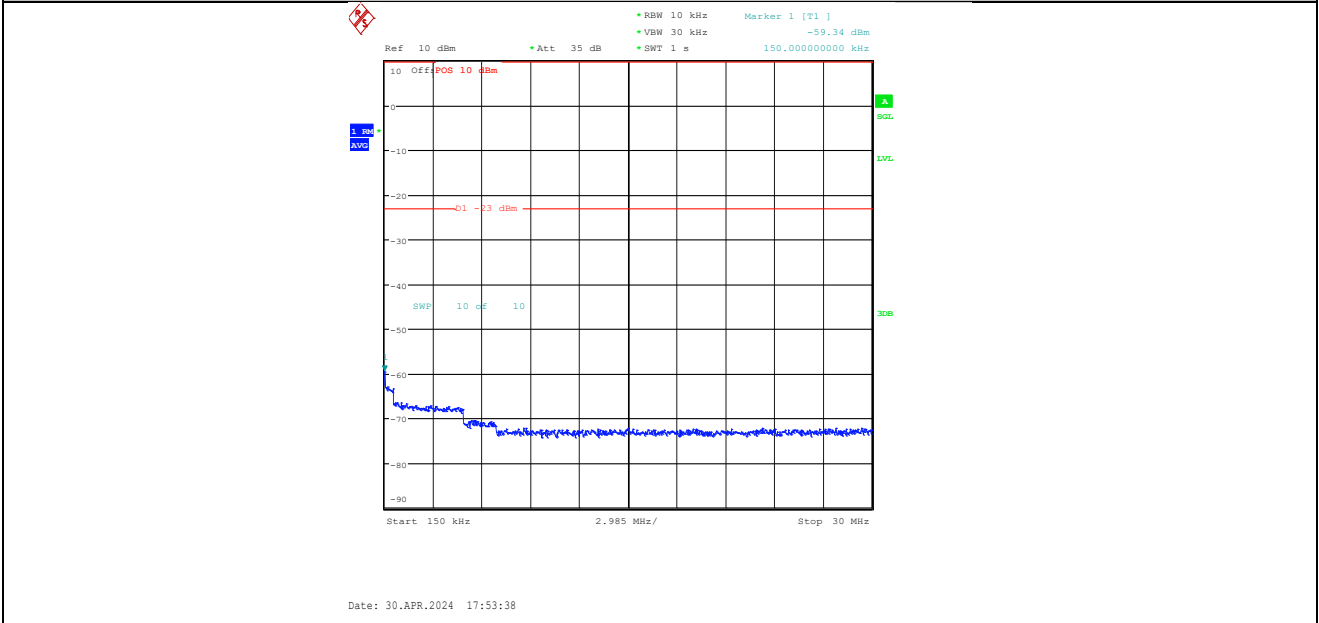
Band5-4132-3-30~1000MHz-PASS



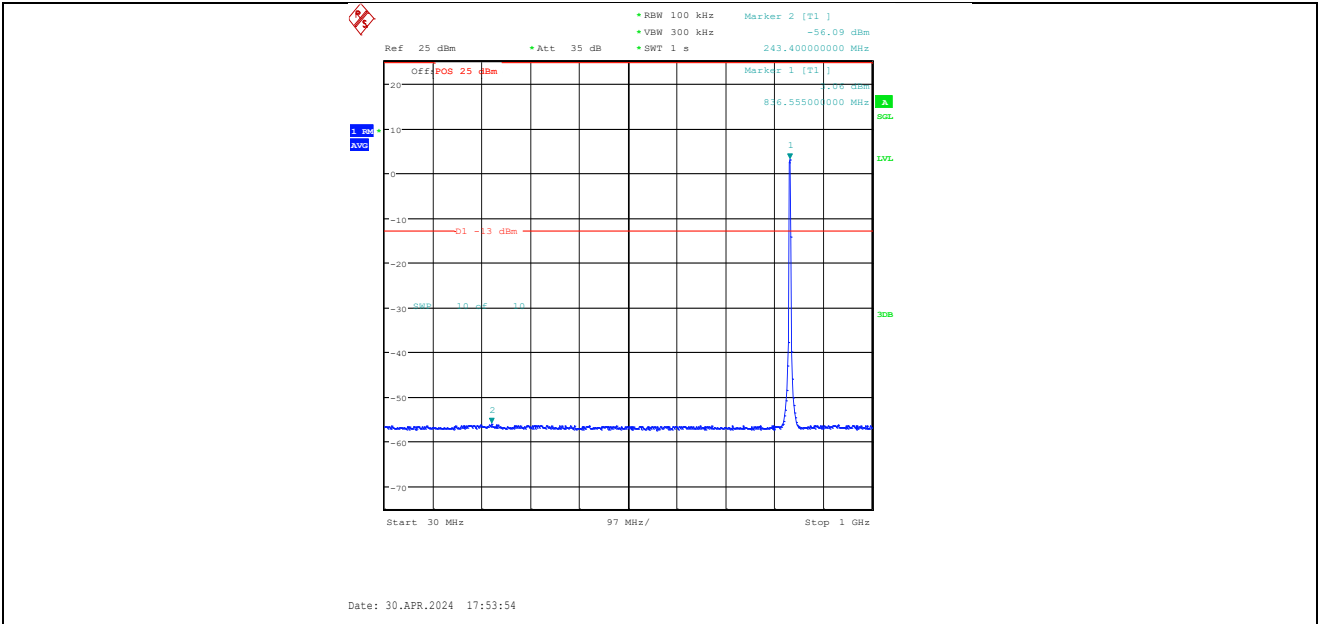
Band5-4132-3-1000~10000MHz-PASS



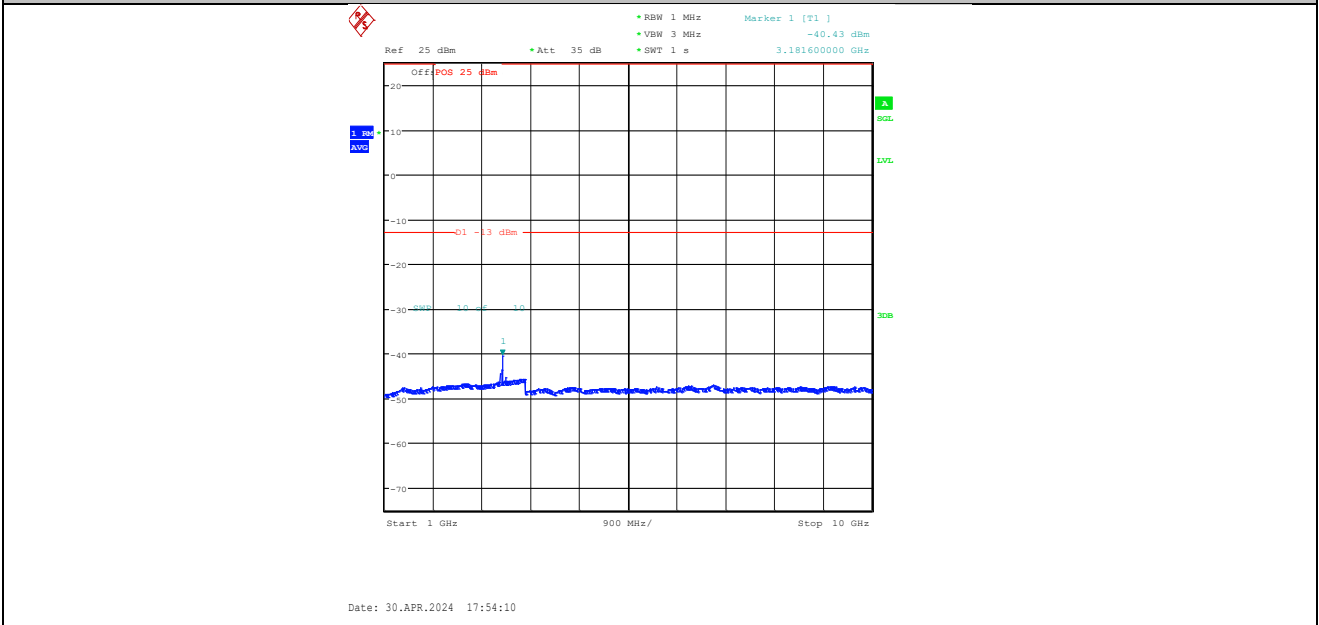
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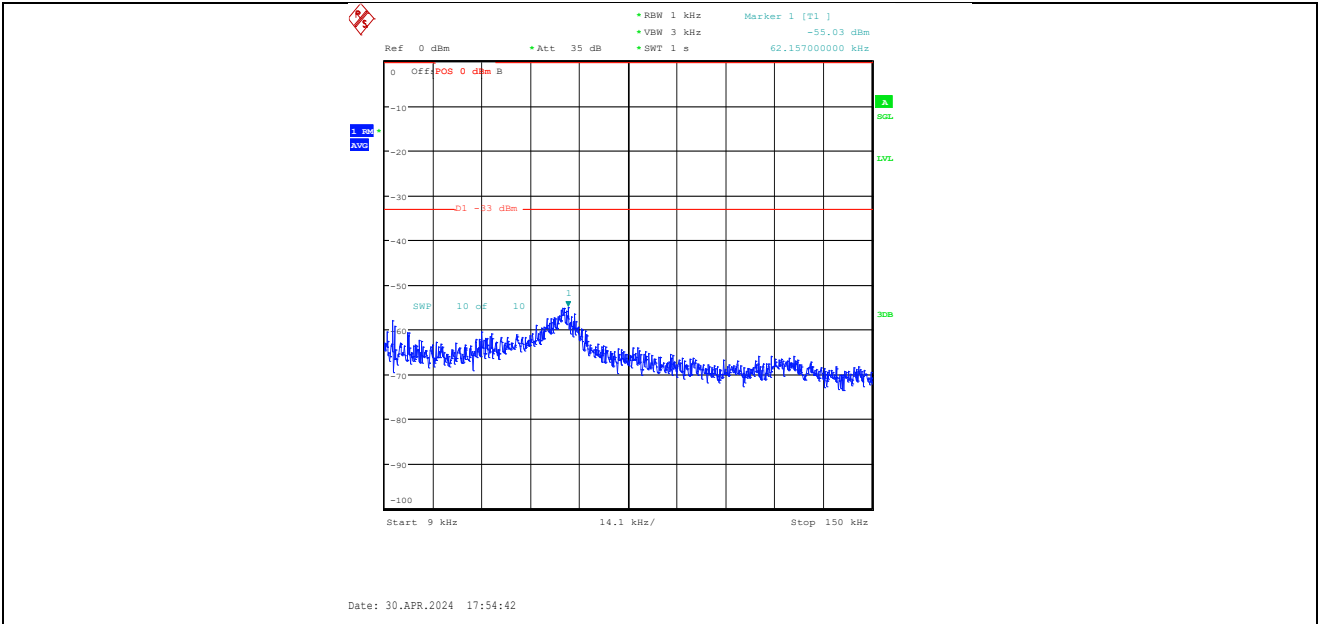
Band5-4182-3-0.15~30MHz-PASS



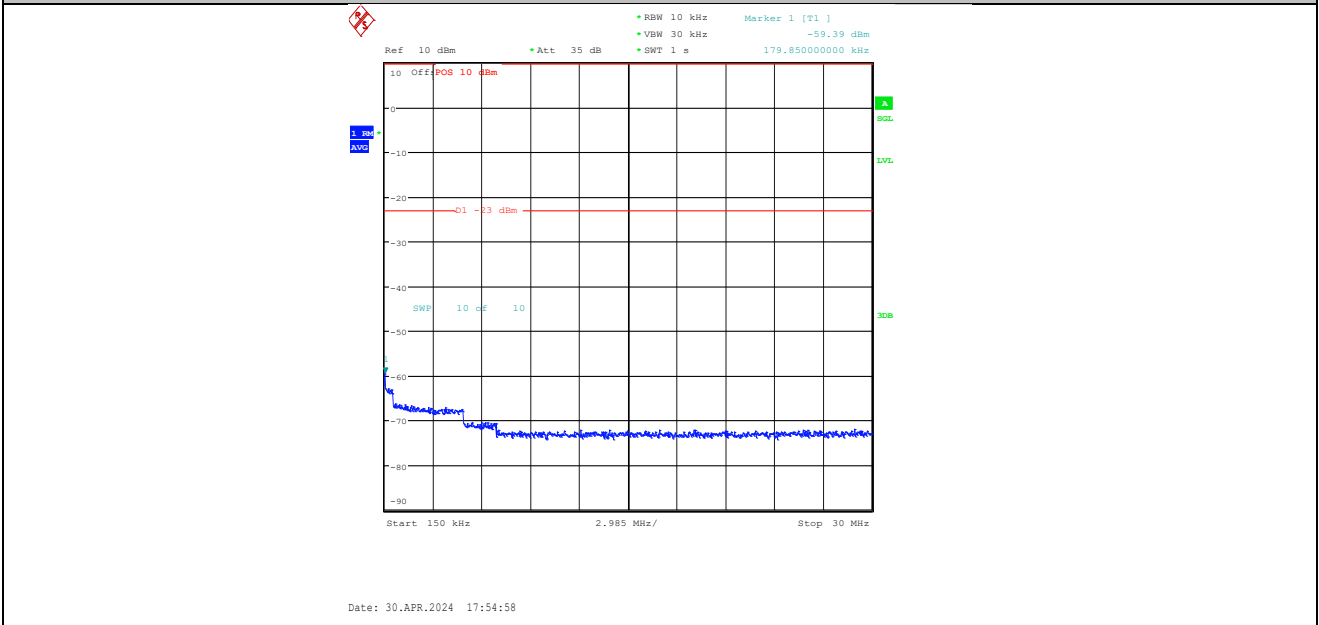
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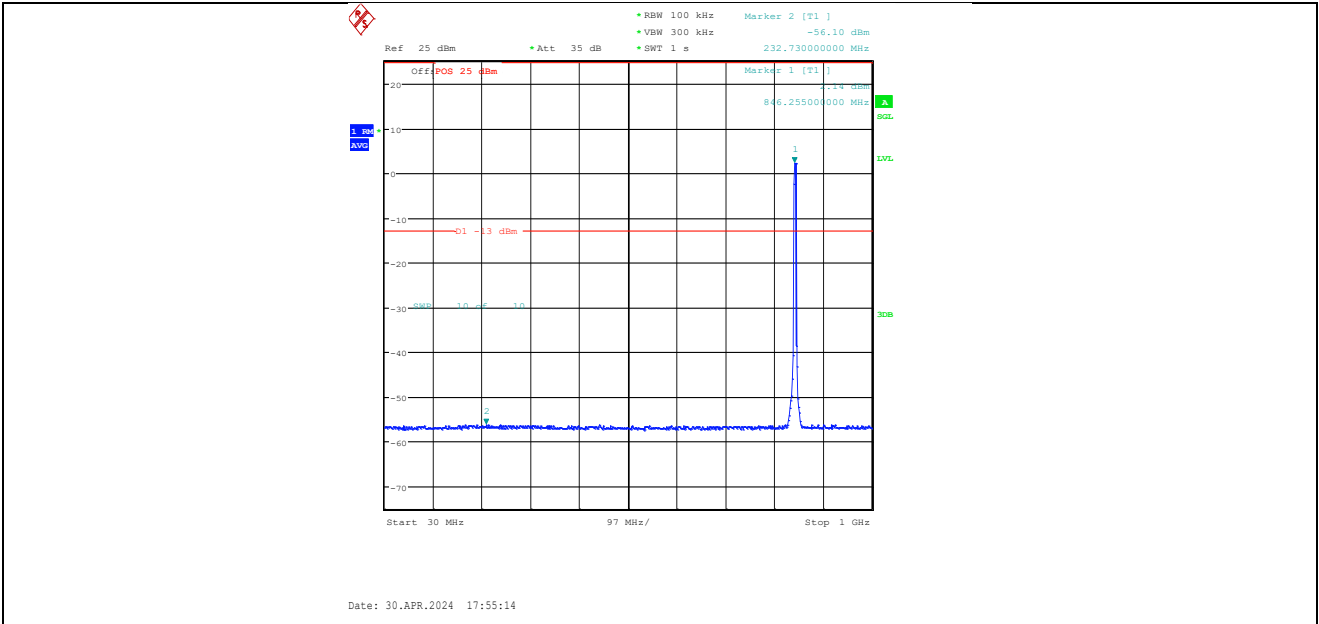
Band5-4182-3-1000~10000MHz-PASS



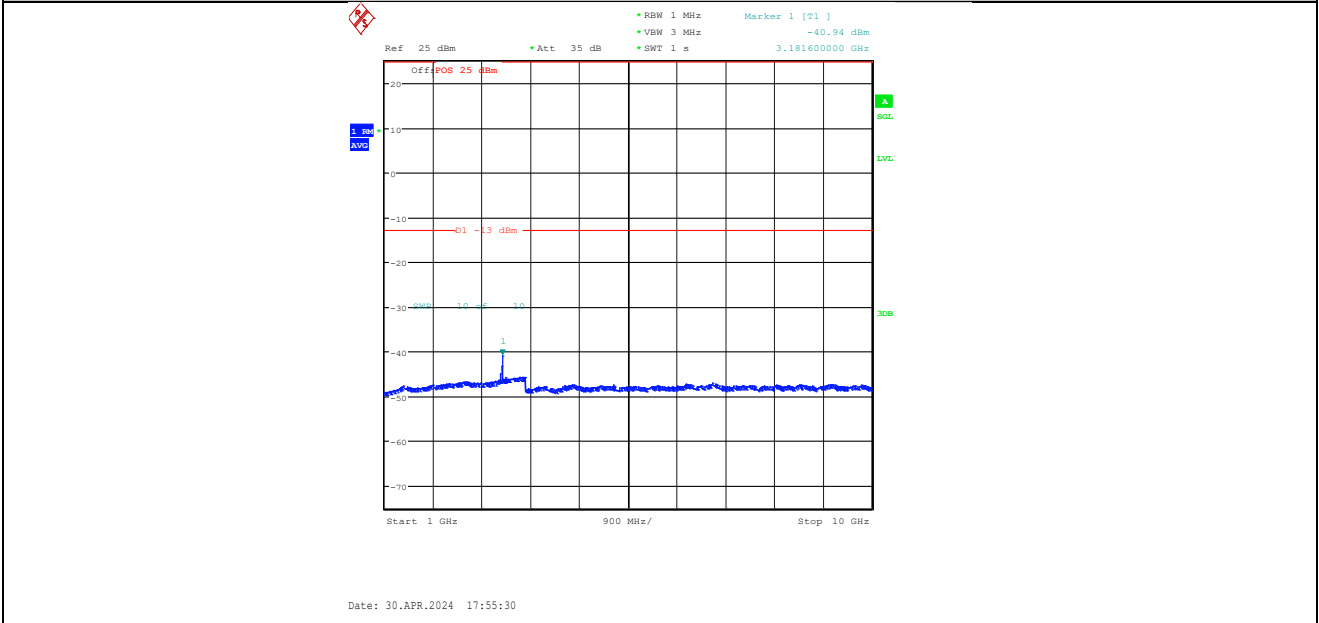
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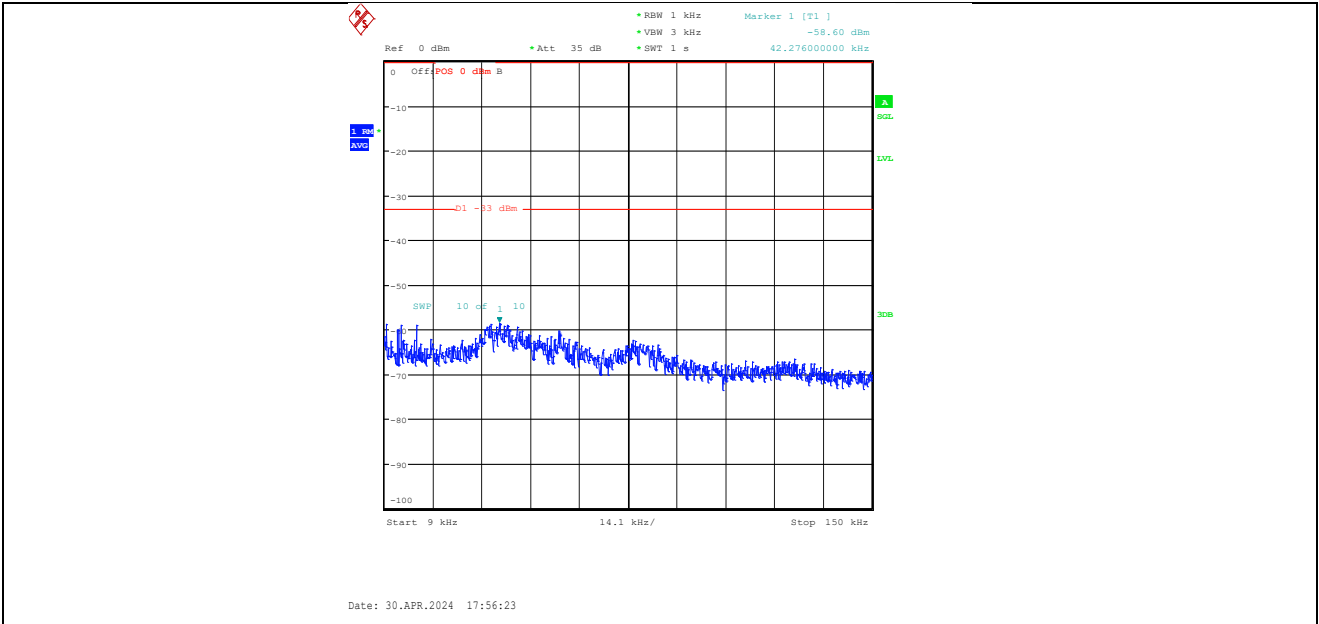
Band5-4233-3-0.15~30MHz-PASS



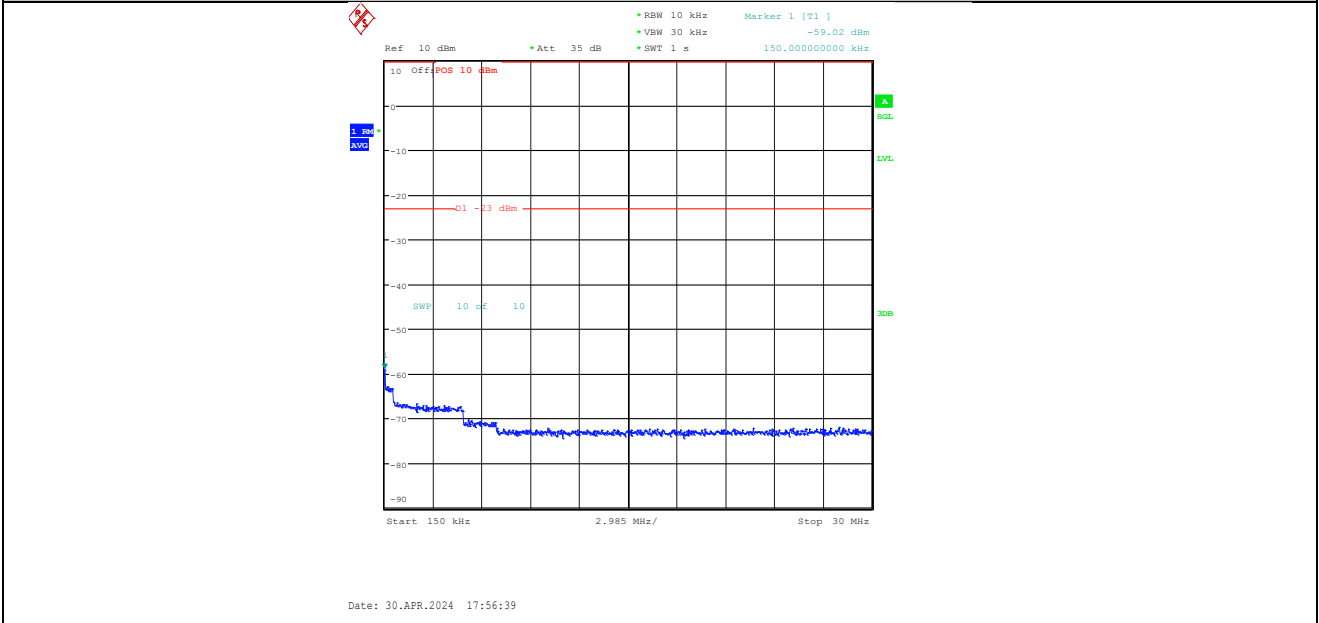
Band5-4233-3-30~1000MHz-PASS



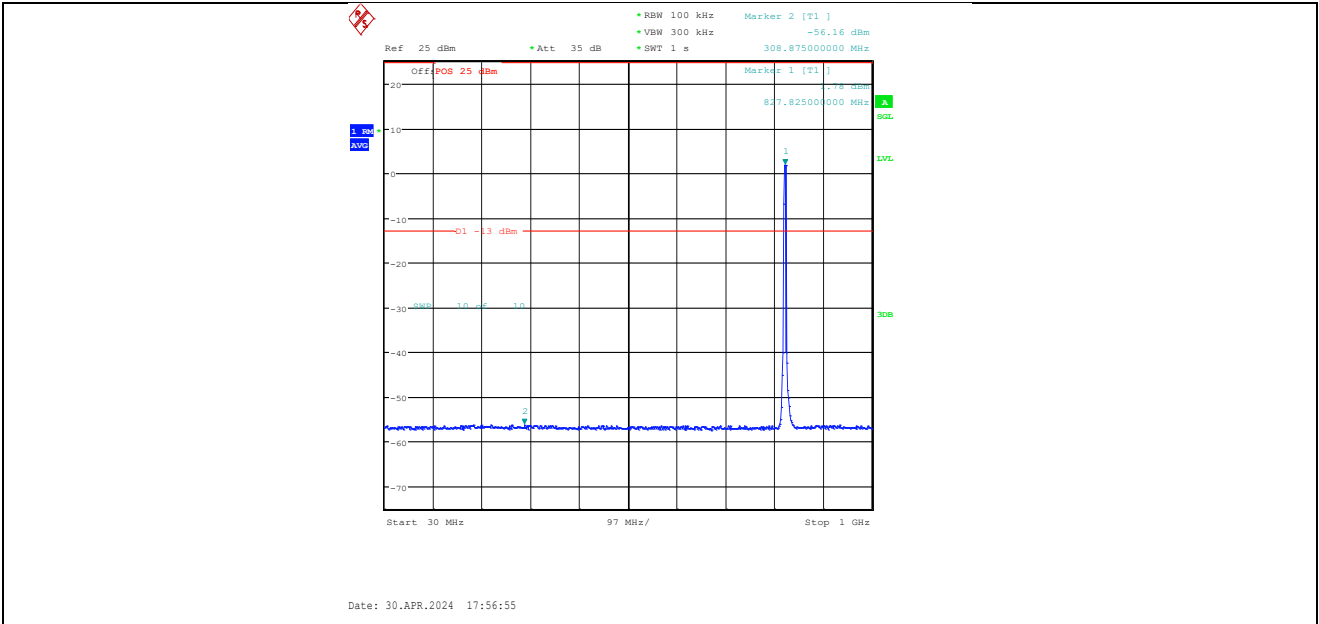
Band5-4233-3-1000~10000MHz-PASS



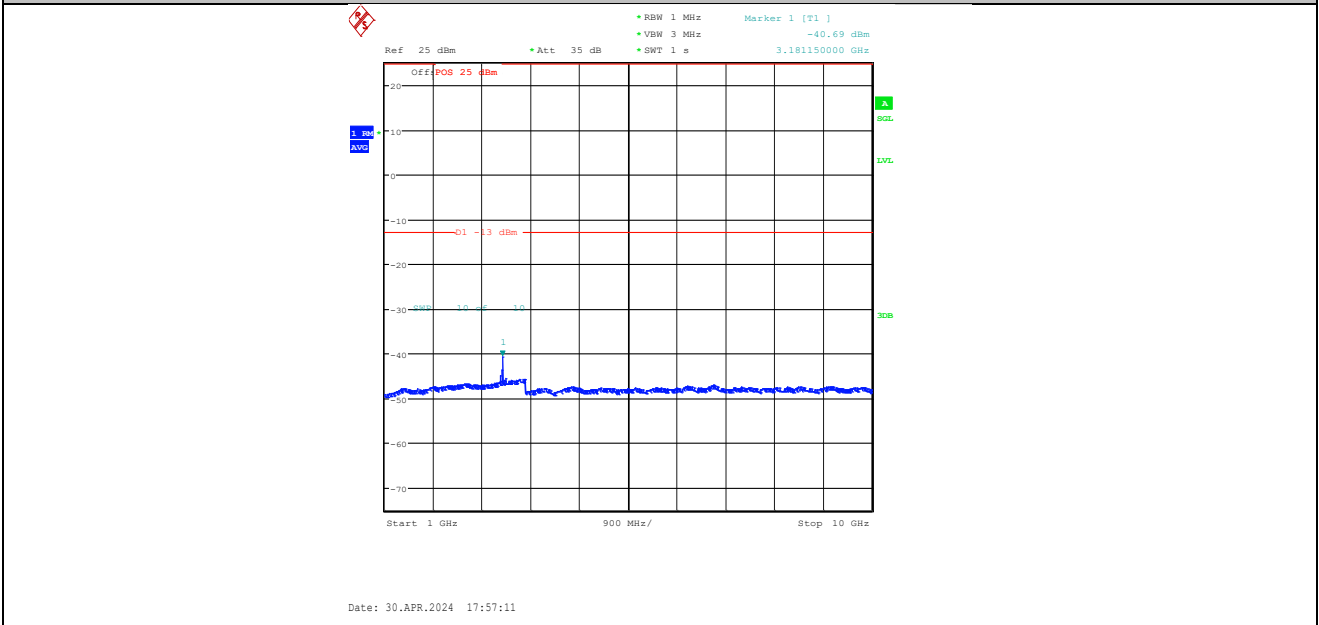
Band5-4132-4-0.009~0.15MHz-PASS



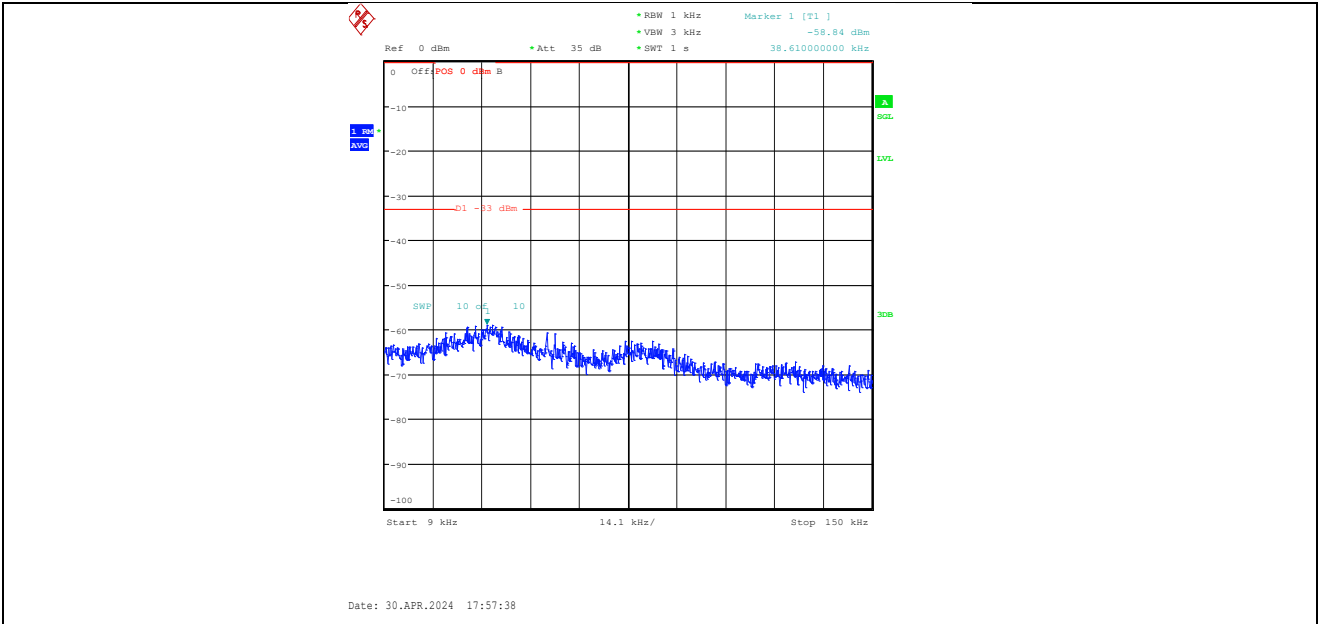
Band5-4132-4-0.15~30MHz-PASS



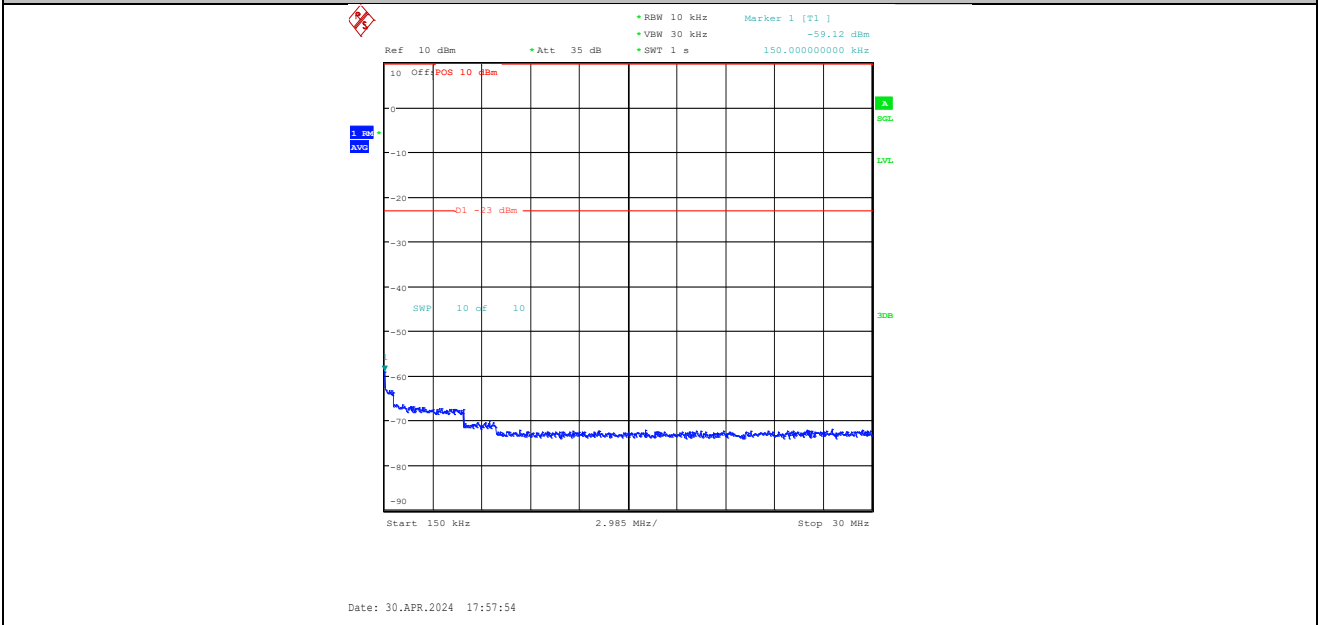
Band5-4132-4-30~1000MHz-PASS



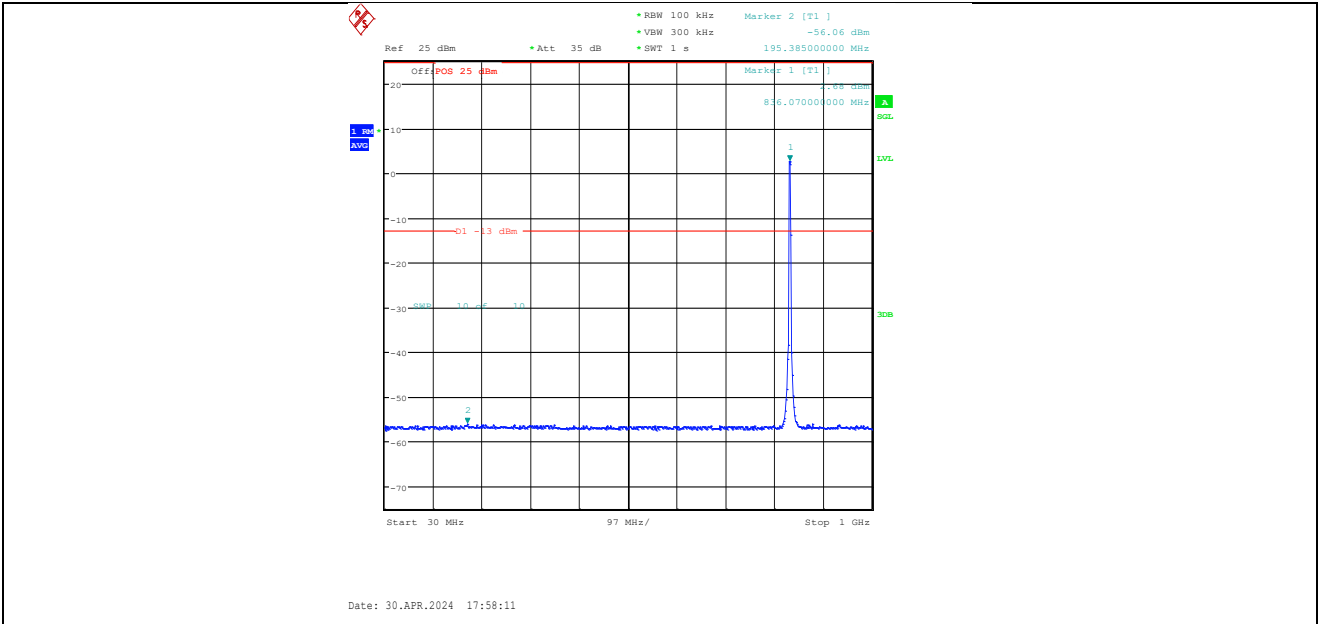
Band5-4132-4-1000~10000MHz-PASS



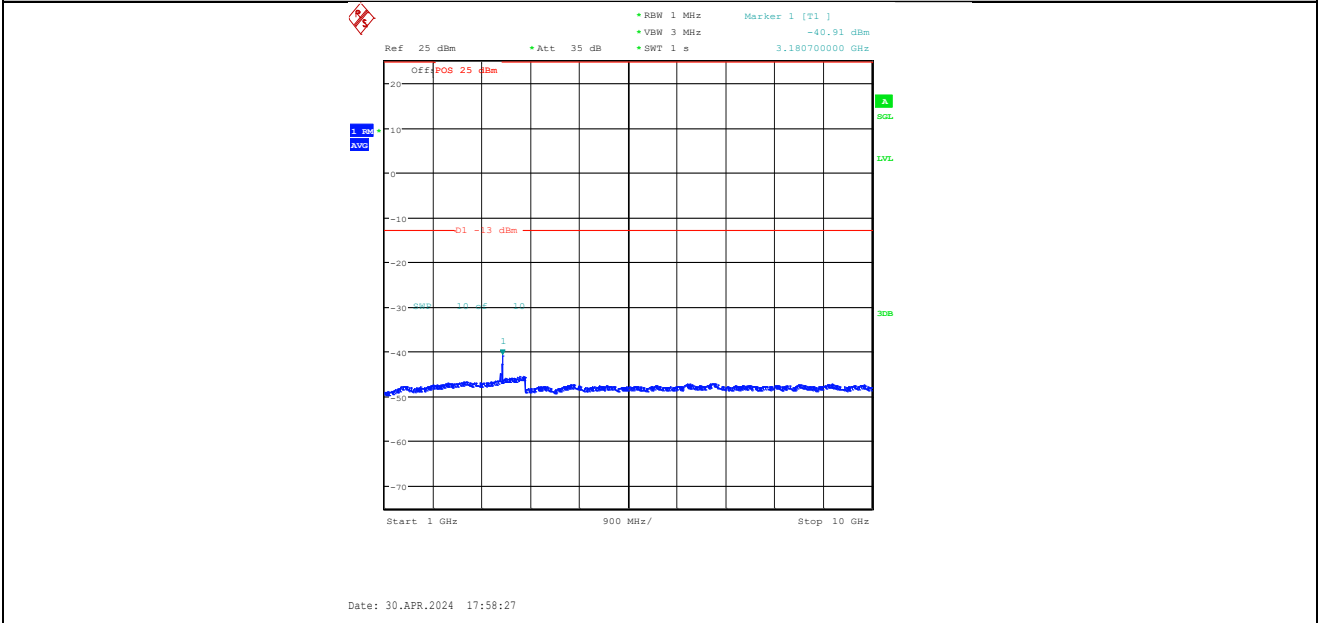
Band5-4182-4-0.009~0.15MHz-PASS



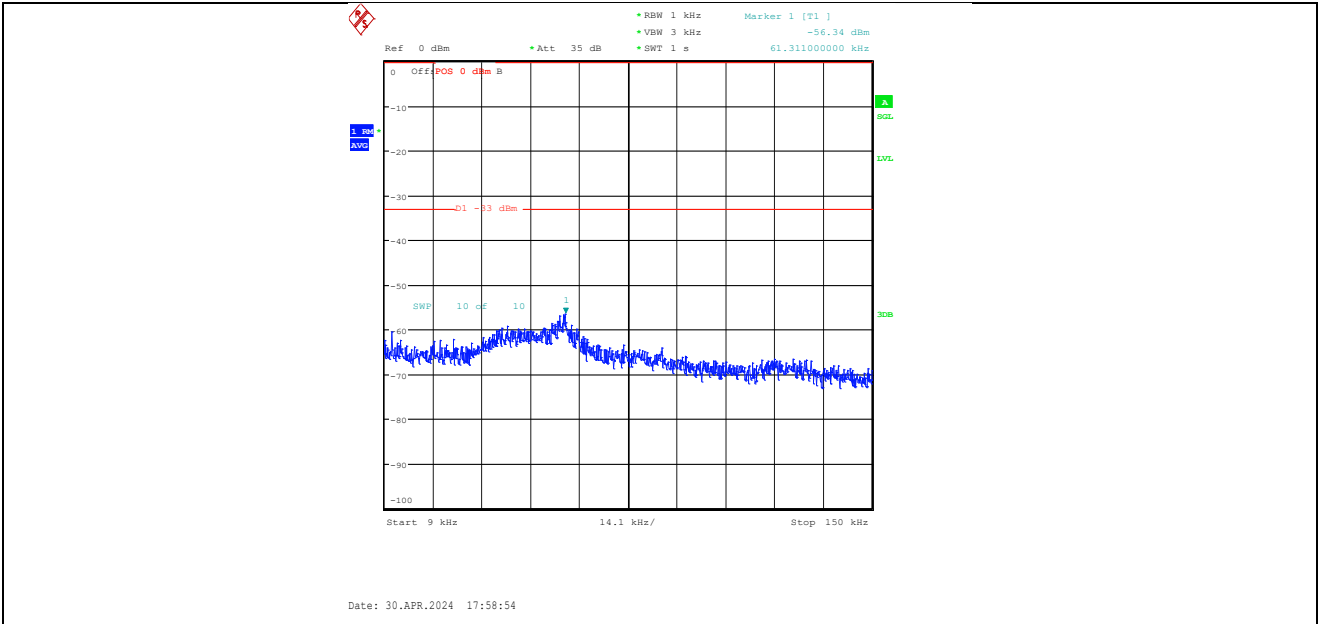
Band5-4182-4-0.15~30MHz-PASS



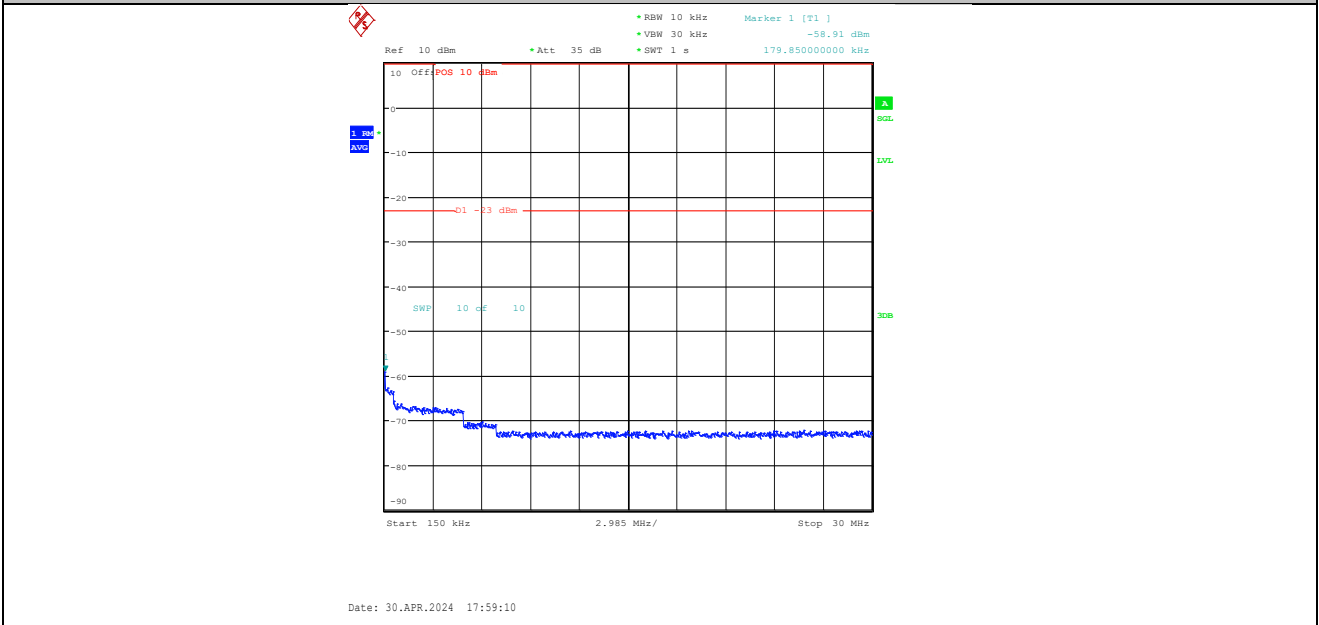
Band5-4182-4-30~1000MHz-PASS



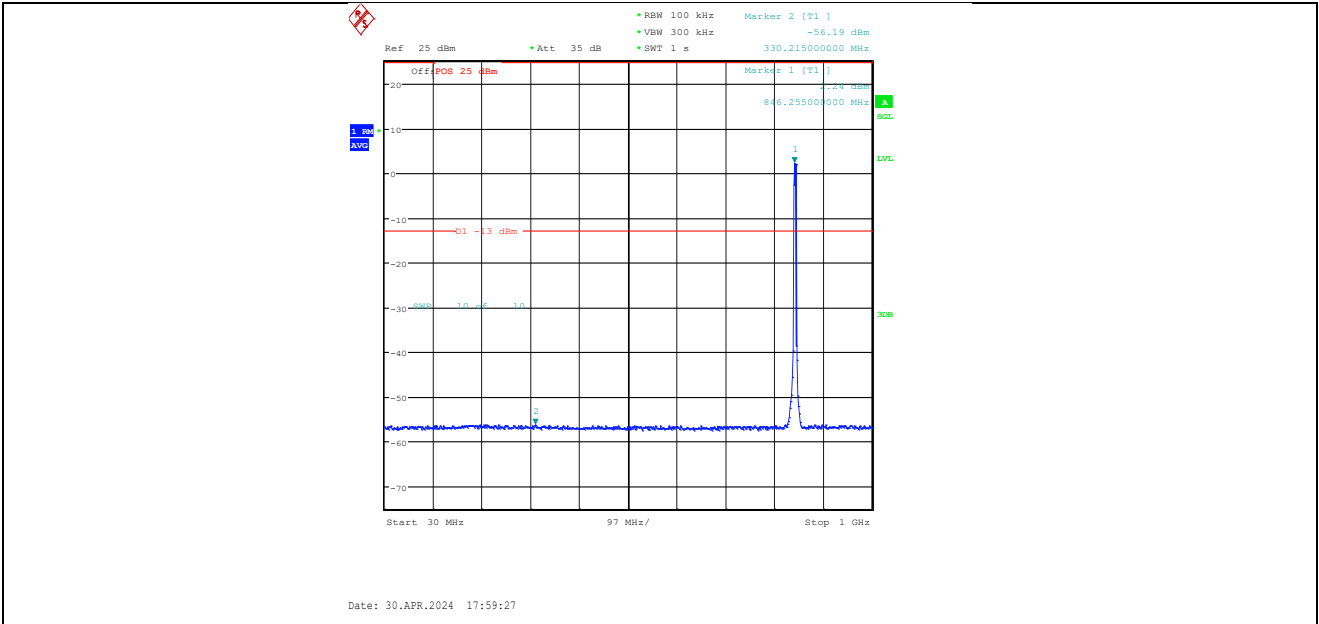
Band5-4182-4-1000~10000MHz-PASS



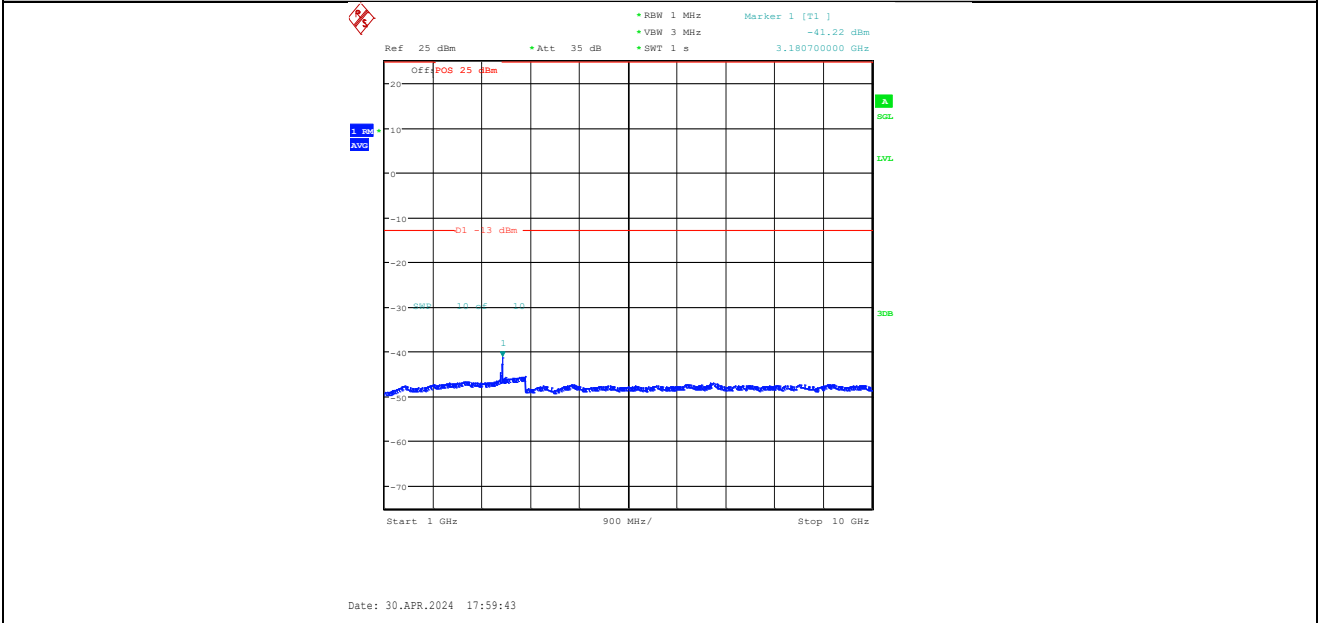
Band5-4233-4-0.009~0.15MHz-PASS



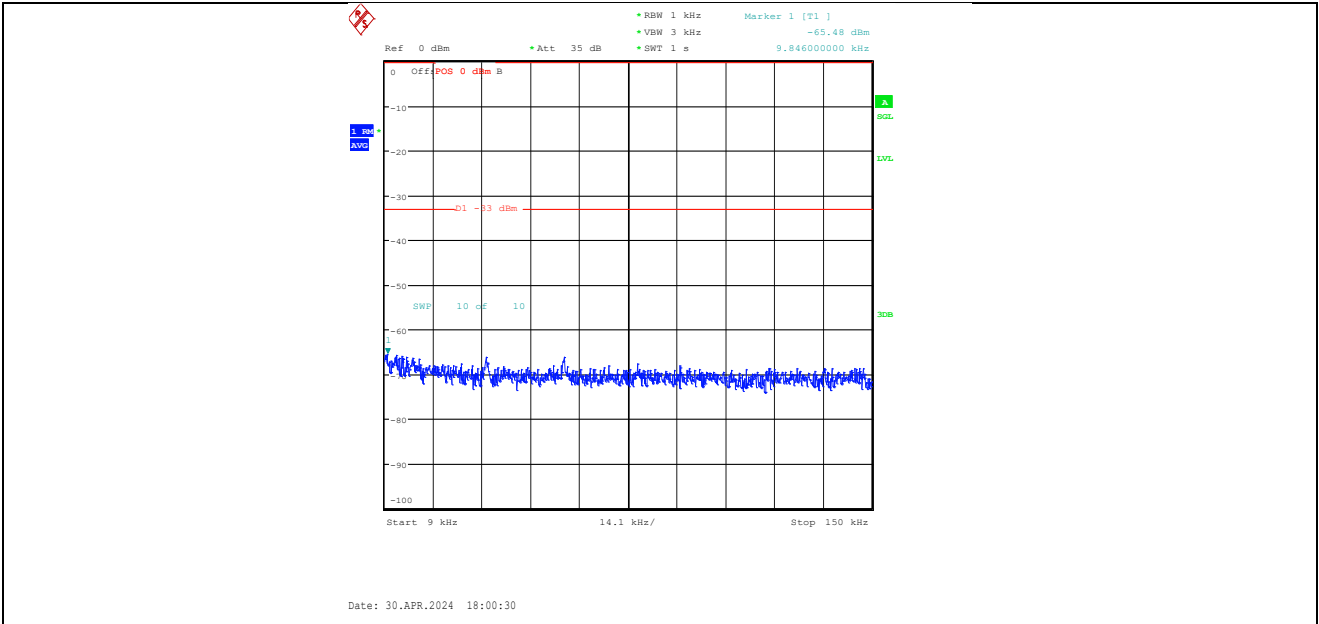
Band5-4233-4-0.15~30MHz-PASS



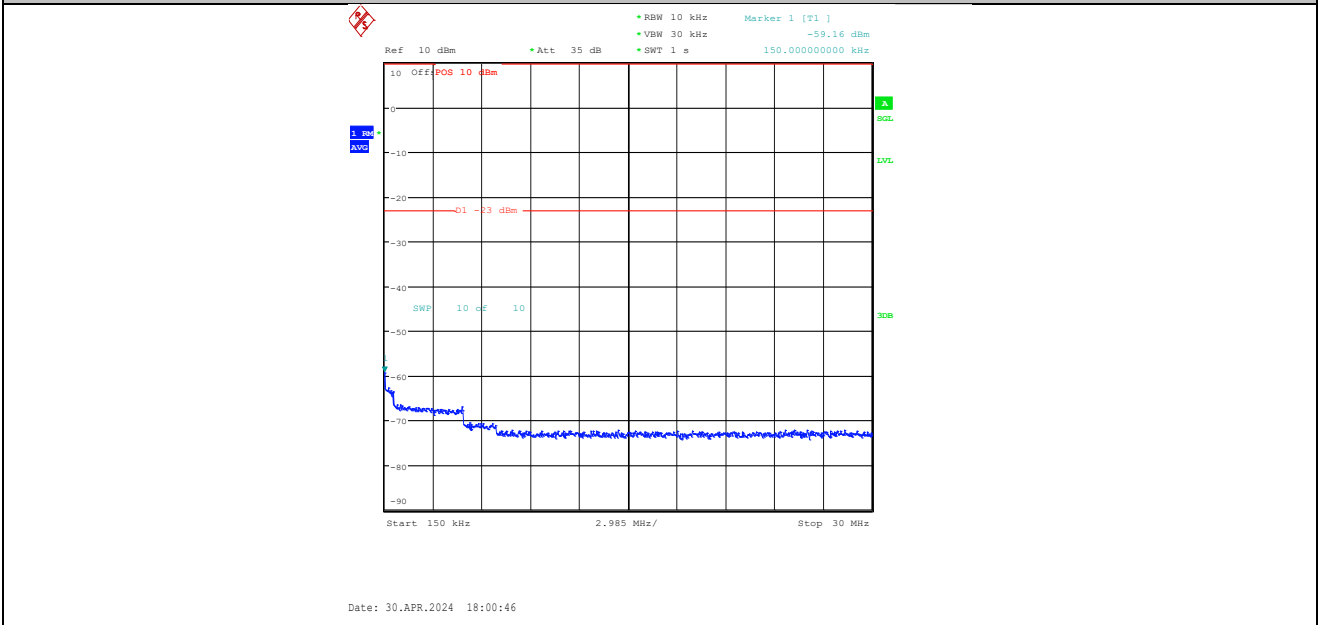
Band5-4233-4-30~1000MHz-PASS



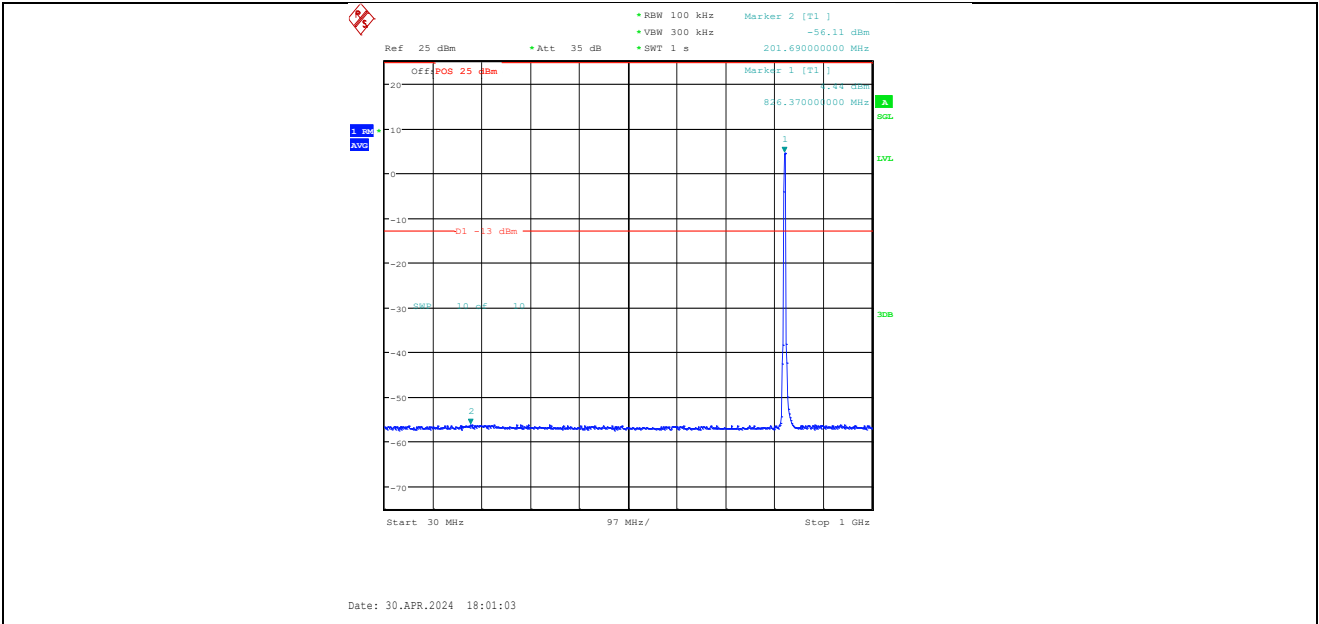
Band5-4233-4-1000~10000MHz-PASS



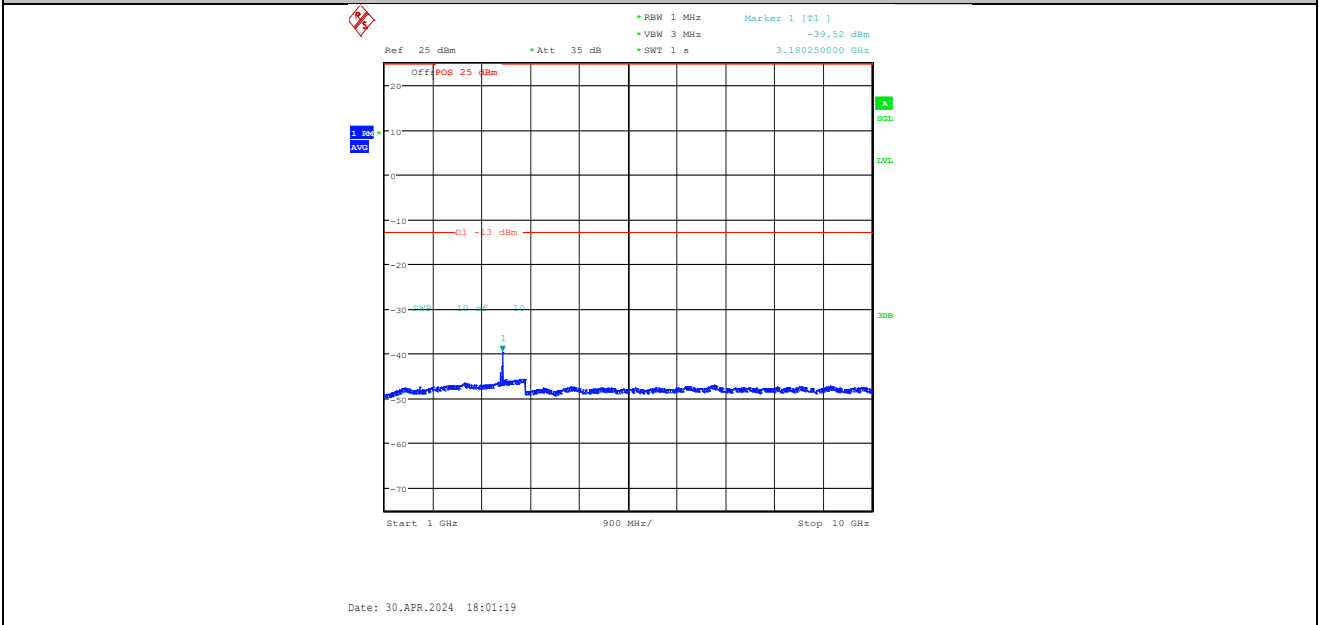
Band5-4132-5-0.009~0.15MHz-PASS



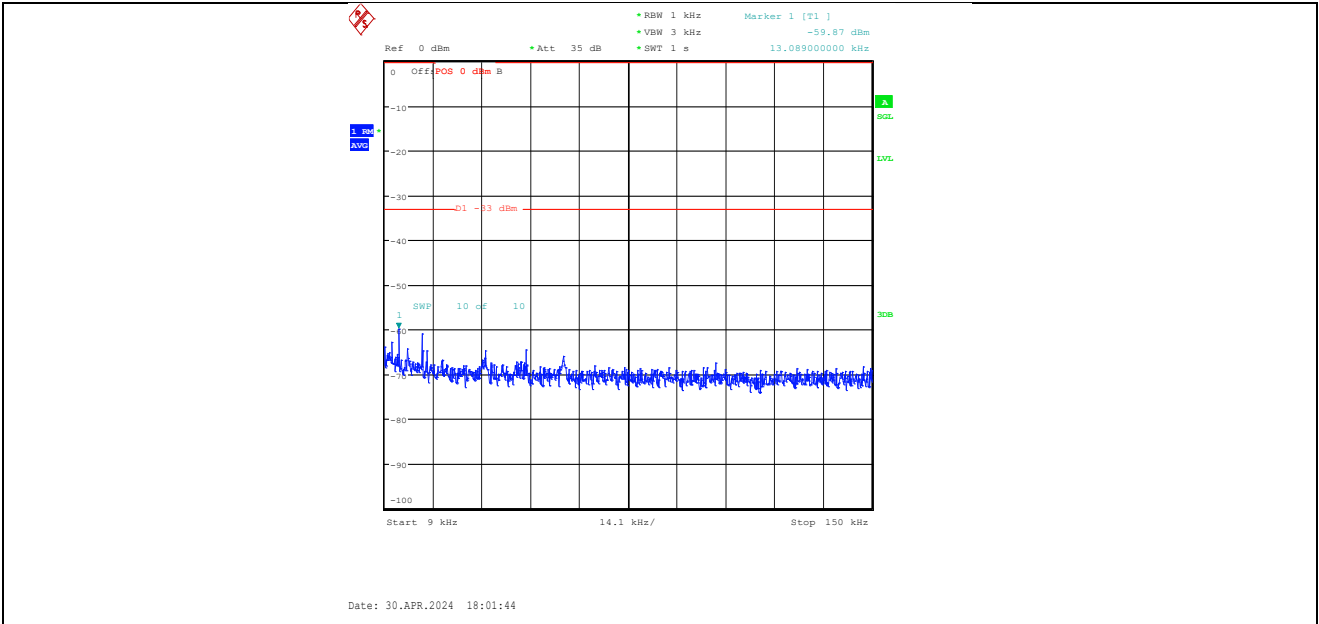
Band5-4132-5-0.15~30MHz-PASS



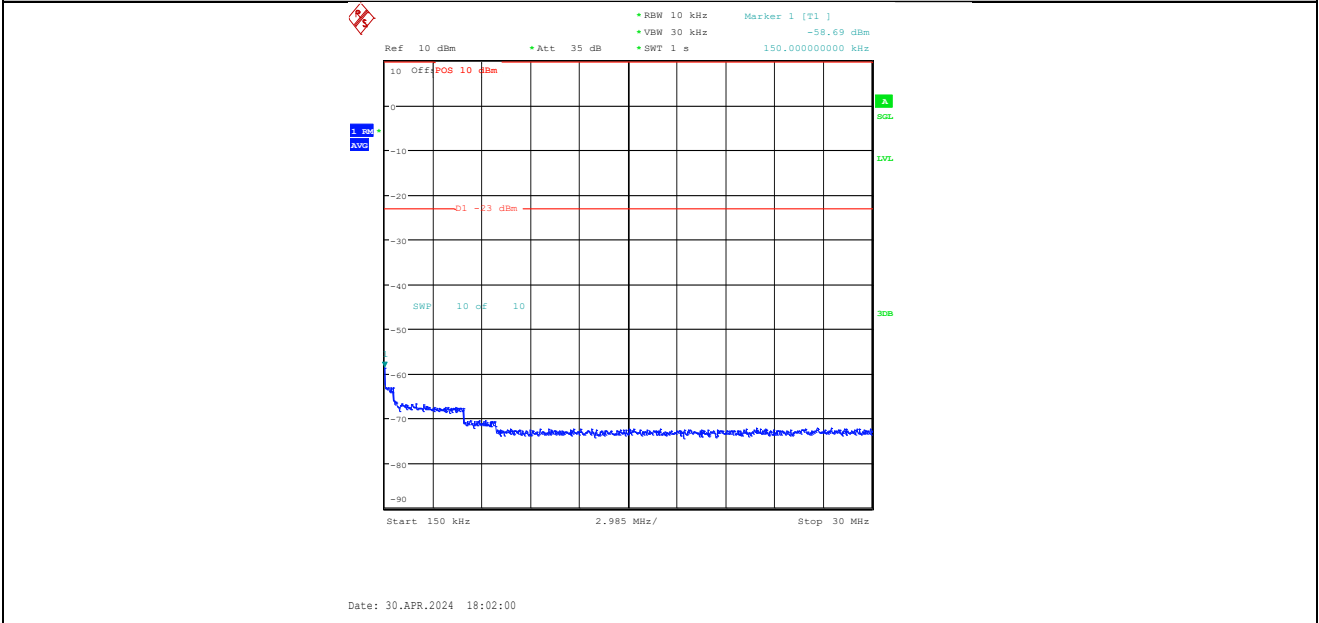
Band5-4132-5-30~1000MHz-PASS



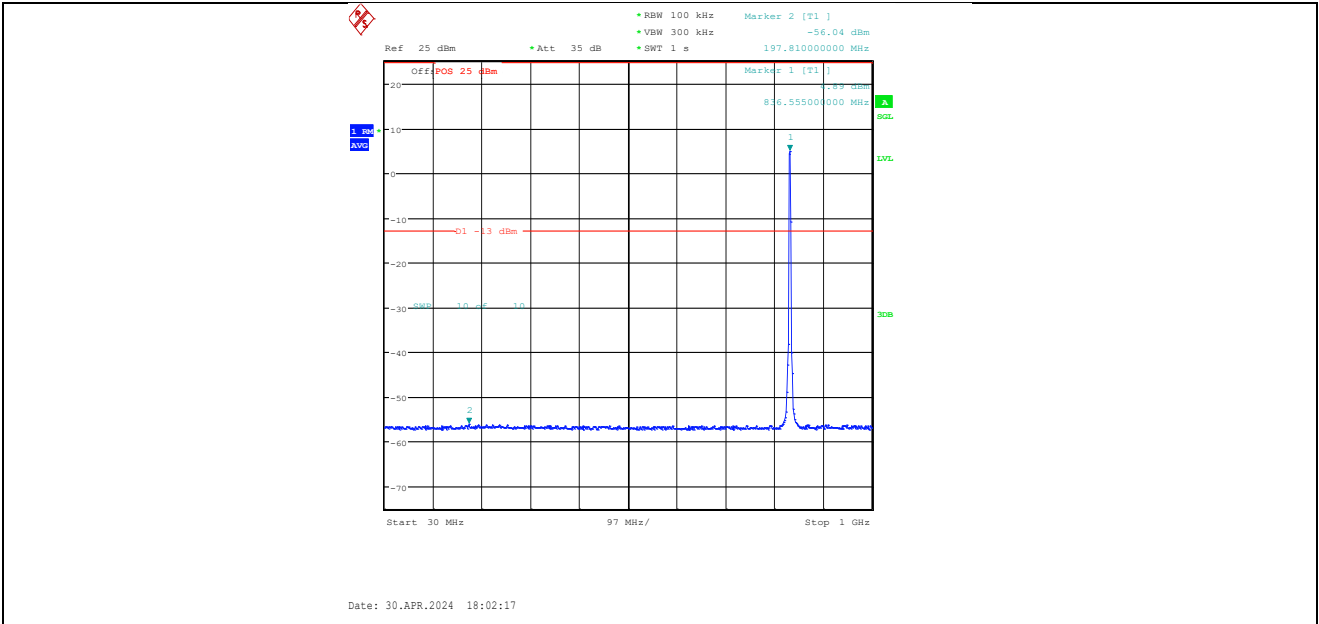
Band5-4132-5-1000~10000MHz-PASS



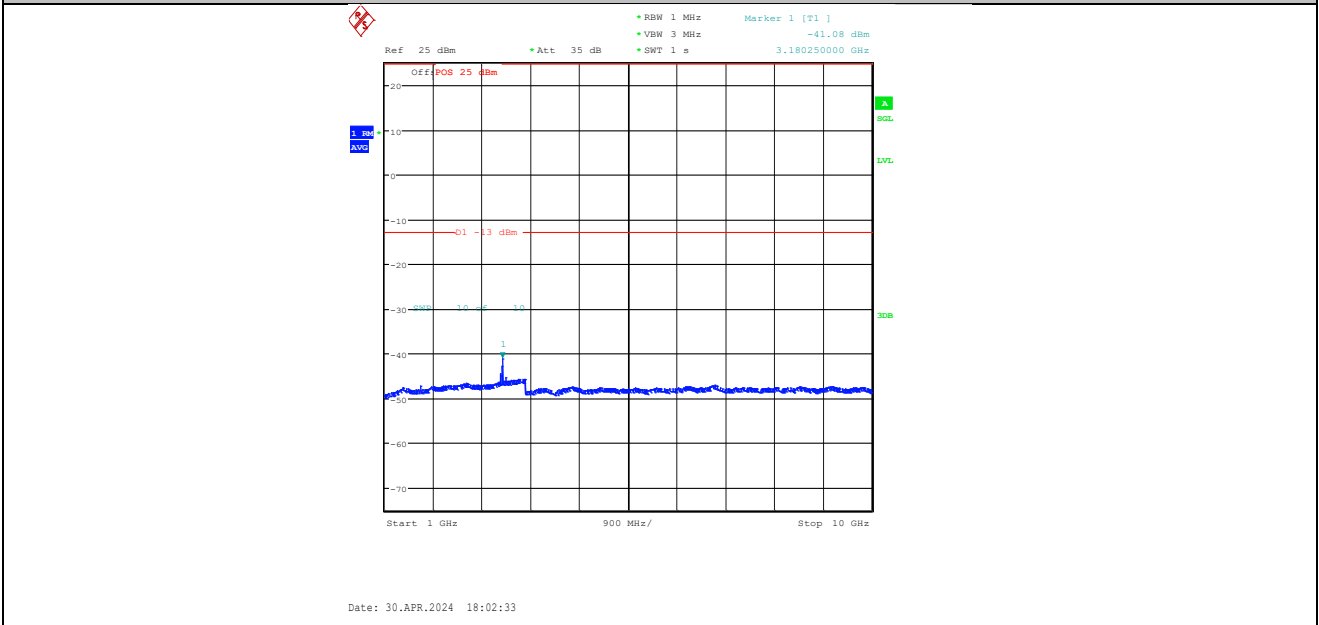
Band5-4182-5-0.009~0.15MHz-PASS



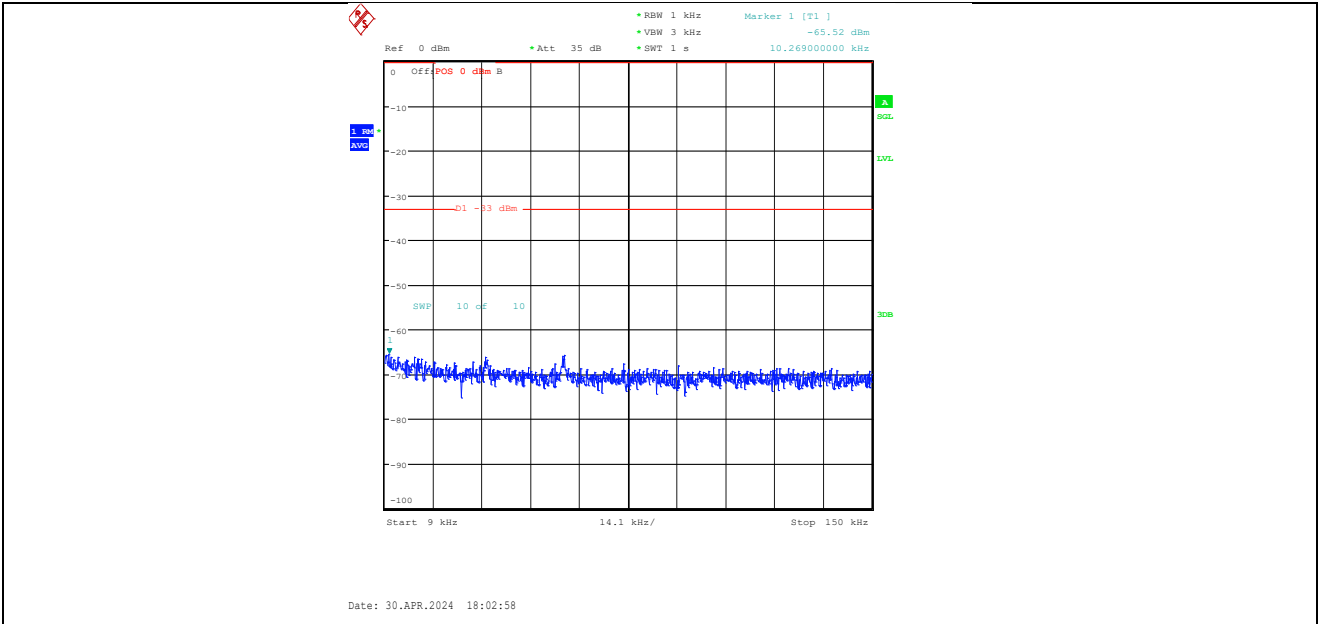
Band5-4182-5-0.15~30MHz-PASS



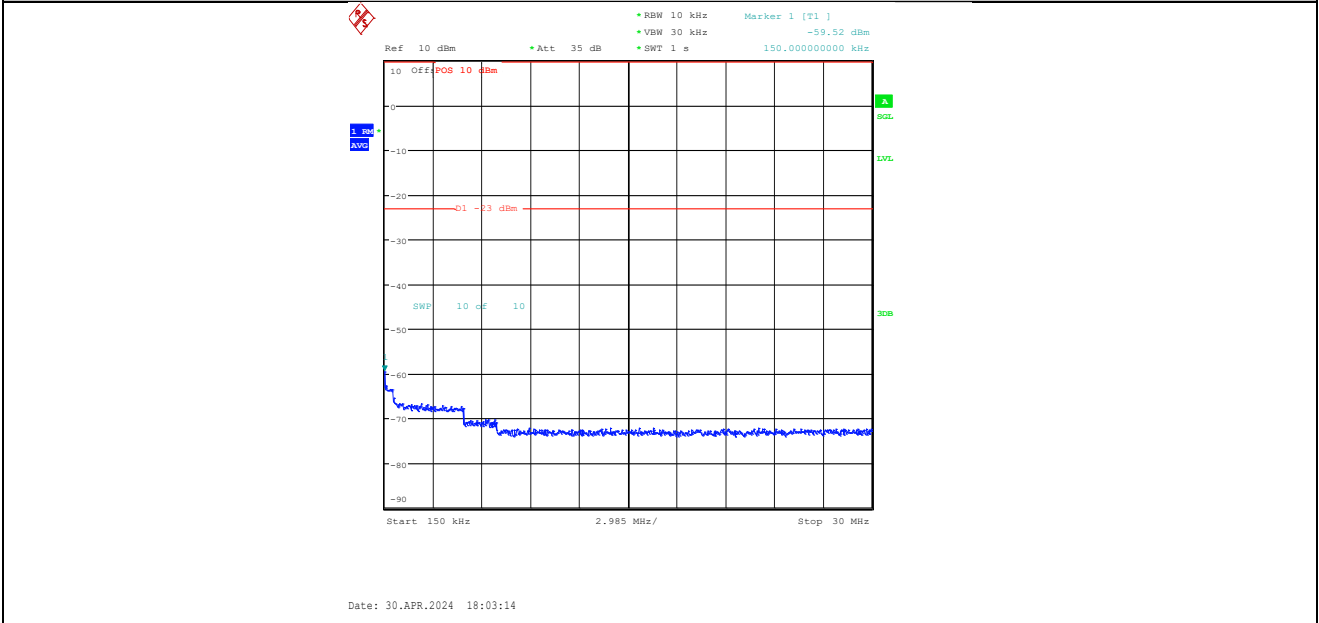
Band5-4182-5-30~1000MHz-PASS



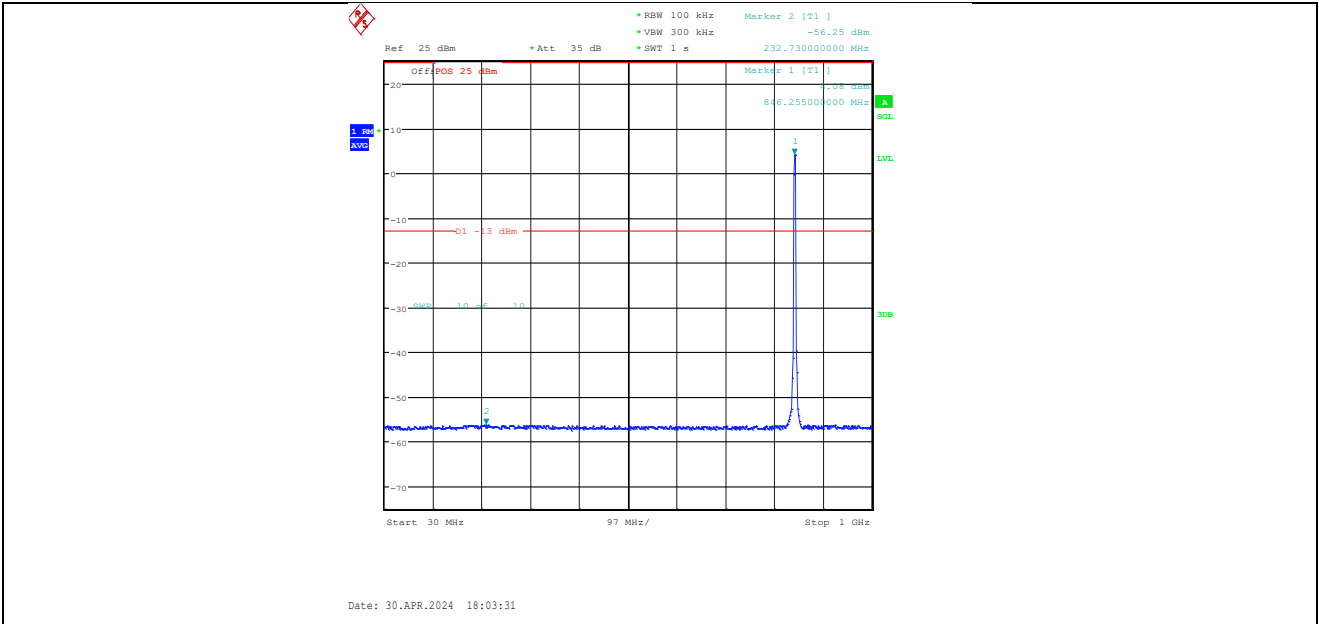
Band5-4182-5-1000~10000MHz-PASS



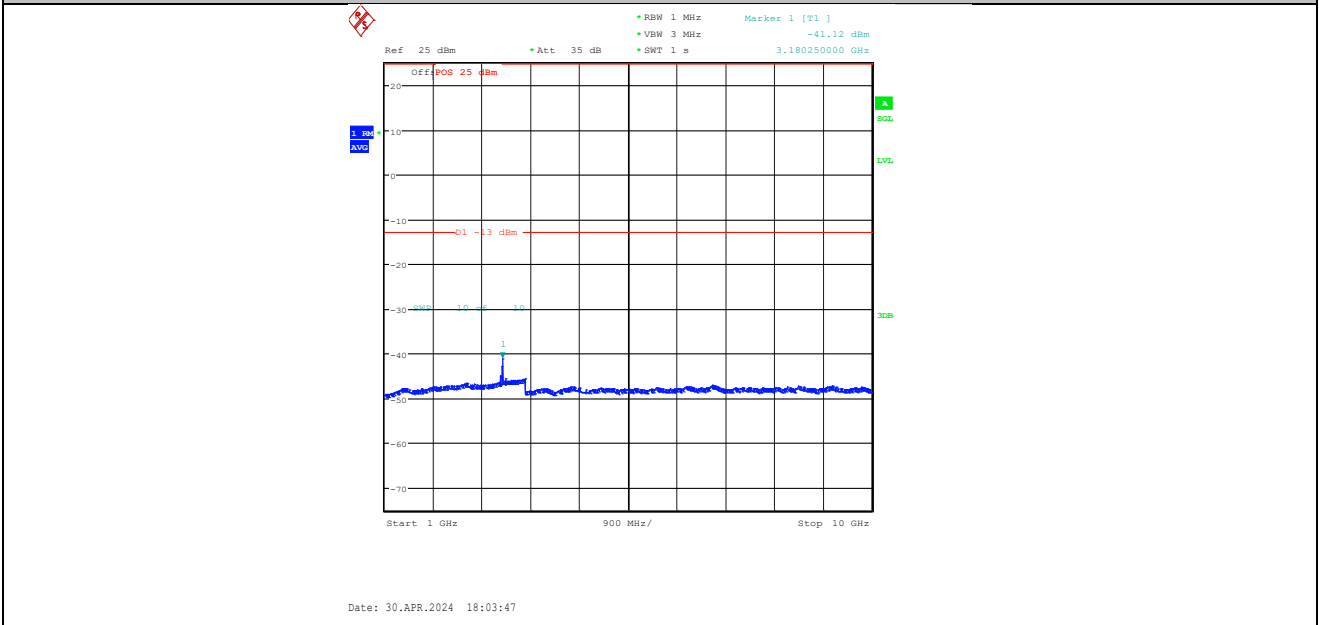
Band5-4233-5-0.009~0.15MHz-PASS



Band5-4233-5-0.15~30MHz-PASS



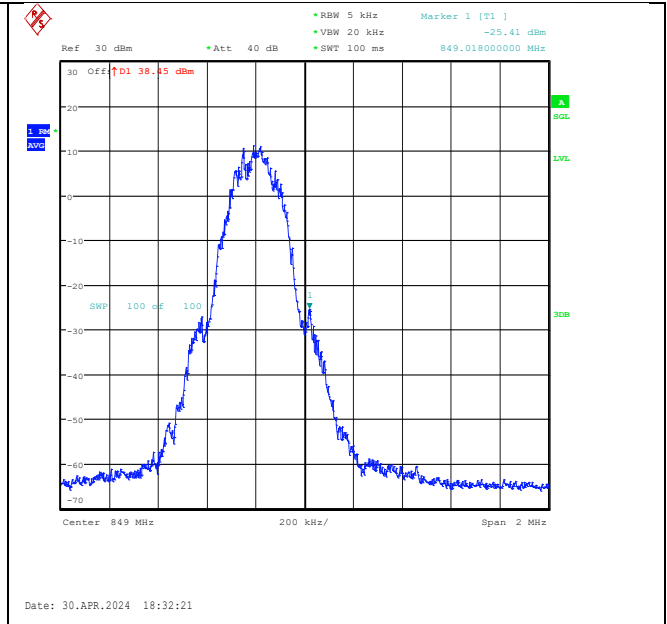
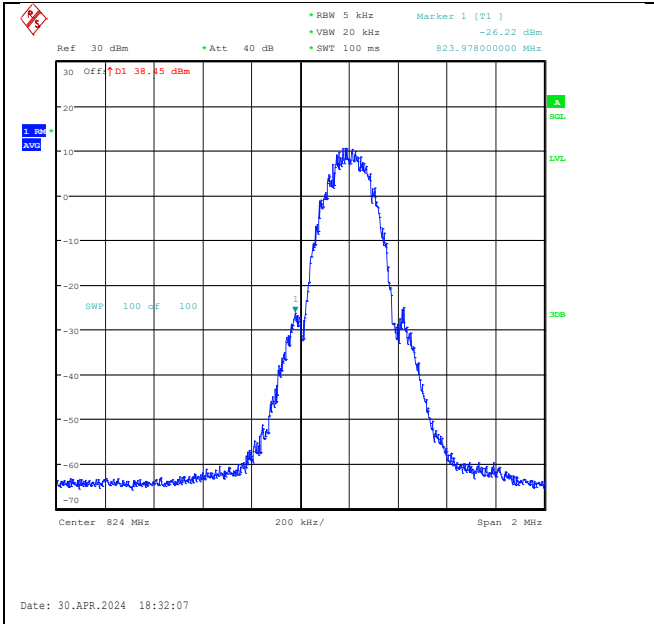
Band5-4233-5-30~1000MHz-PASS



Band5-4233-5-1000~10000MHz-PASS

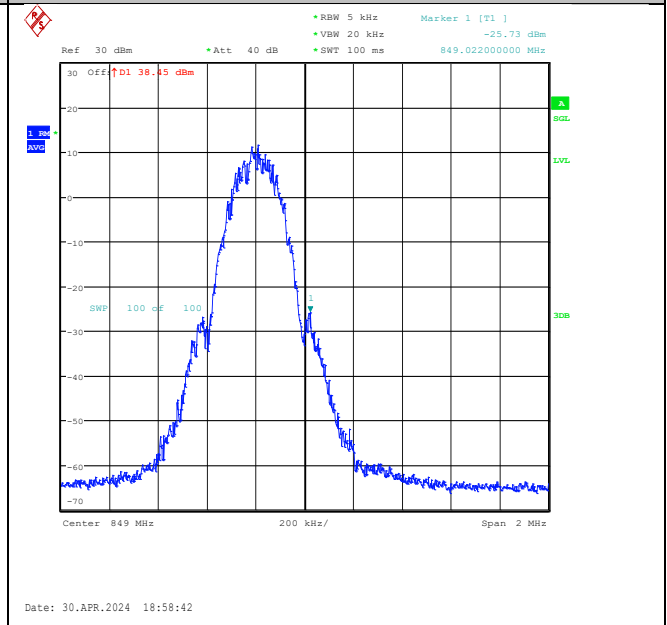
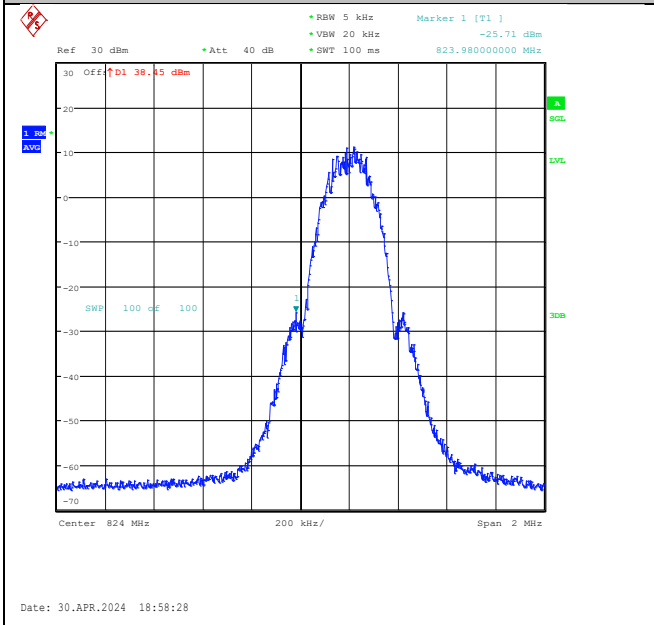
Band Edge:

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-26.22	-13.00	PASS
GSM850	251	849.02	-25.41	-13.00	PASS
GPRS850	128	823.98	-25.71	-13.00	PASS
GPRS850	251	849.02	-25.73	-13.00	PASS
EGPRS850	128	823.99	-32.54	-13.00	PASS
EGPRS850	251	849.02	-33.53	-13.00	PASS



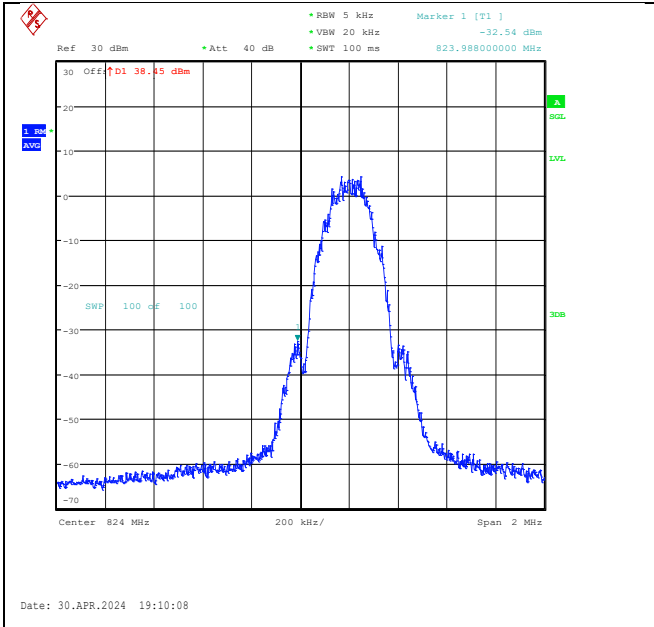
GSM850-128-5-PASS

GSM850-251-5-PASS

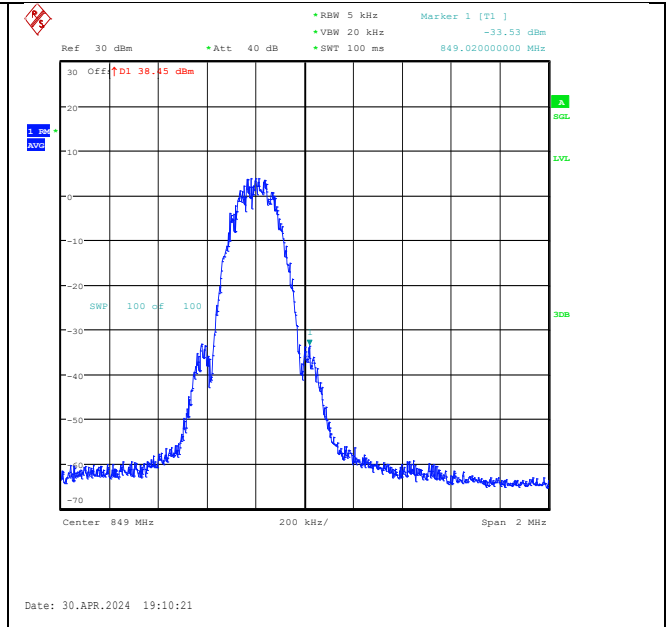


GPRS850-128-5-PASS

GPRS850-251-5-PASS

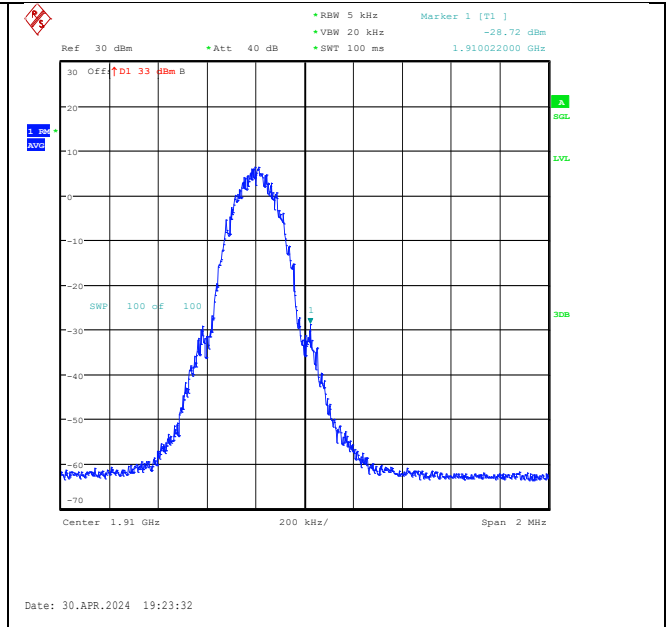
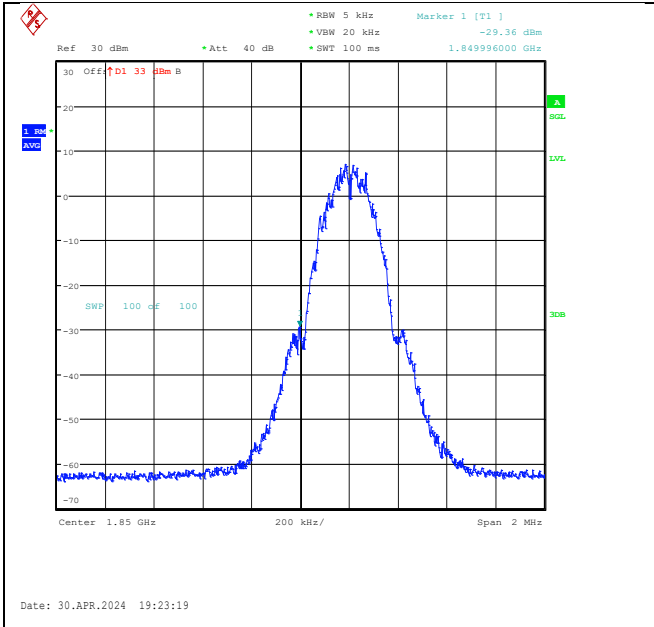


EGPRS850-128-8-PASS



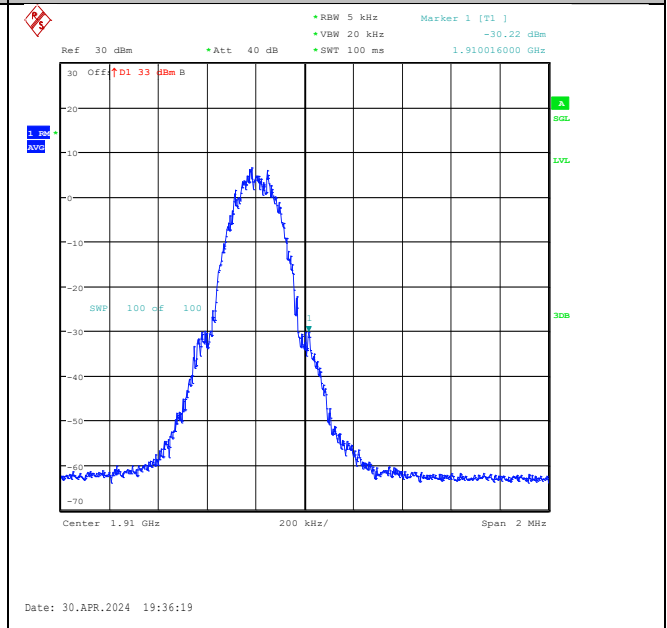
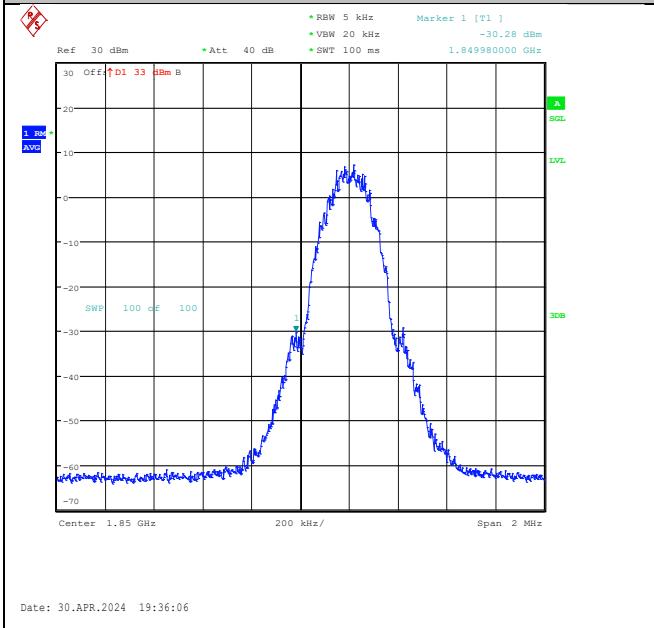
EGPRS850-251-8-PASS

Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM1900	512	1850.00	-29.36	-13.00	PASS
GSM1900	810	1910.02	-28.72	-13.00	PASS
GPRS1900	512	1849.98	-30.28	-13.00	PASS
GPRS1900	810	1910.02	-30.22	-13.00	PASS
EGPRS1900	512	1849.98	-32.54	-13.00	PASS
EGPRS1900	810	1910.03	-34.53	-13.00	PASS



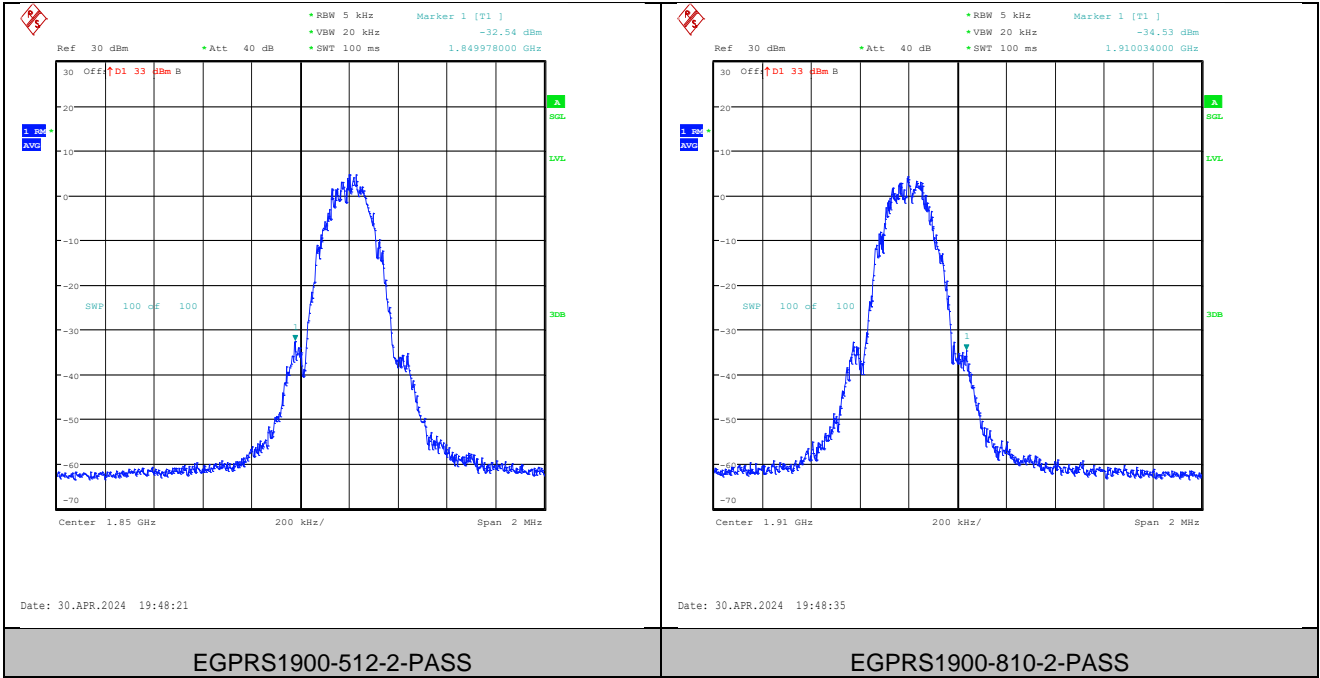
GSM1900-512-0-PASS

GSM1900-810-0-PASS



GPRS1900-512-0-PASS

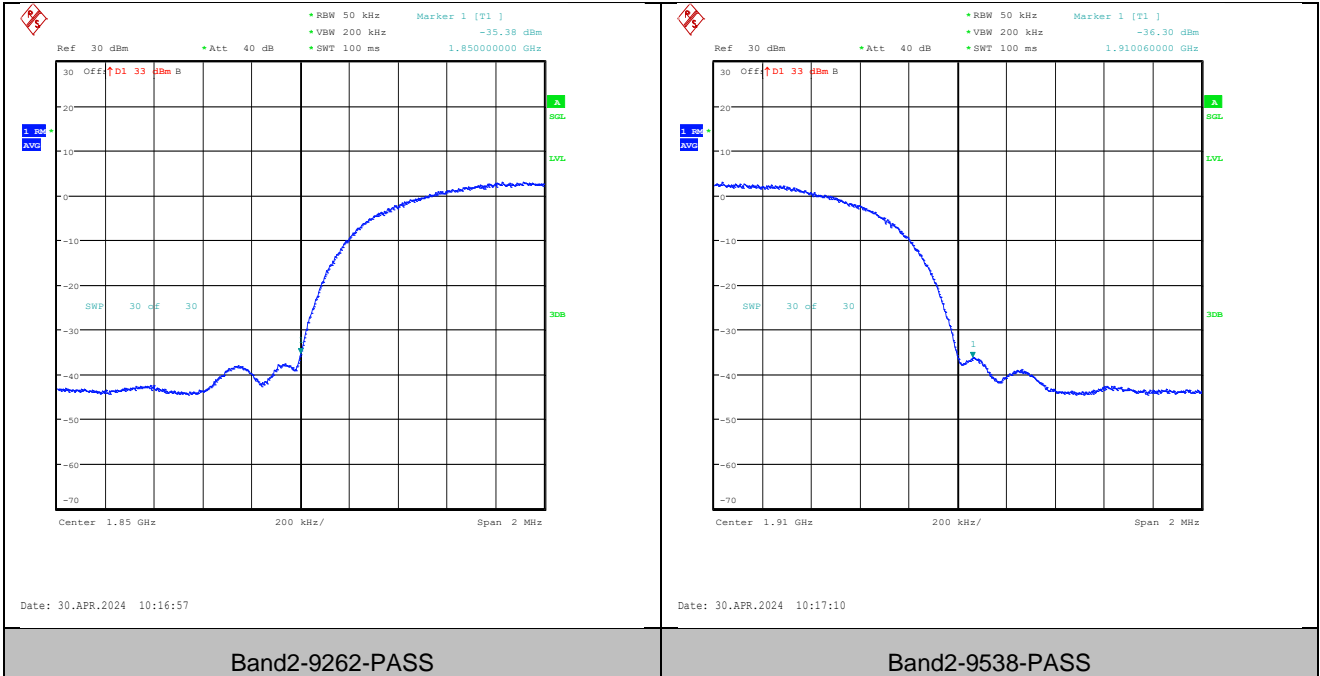
GPRS1900-810-0-PASS

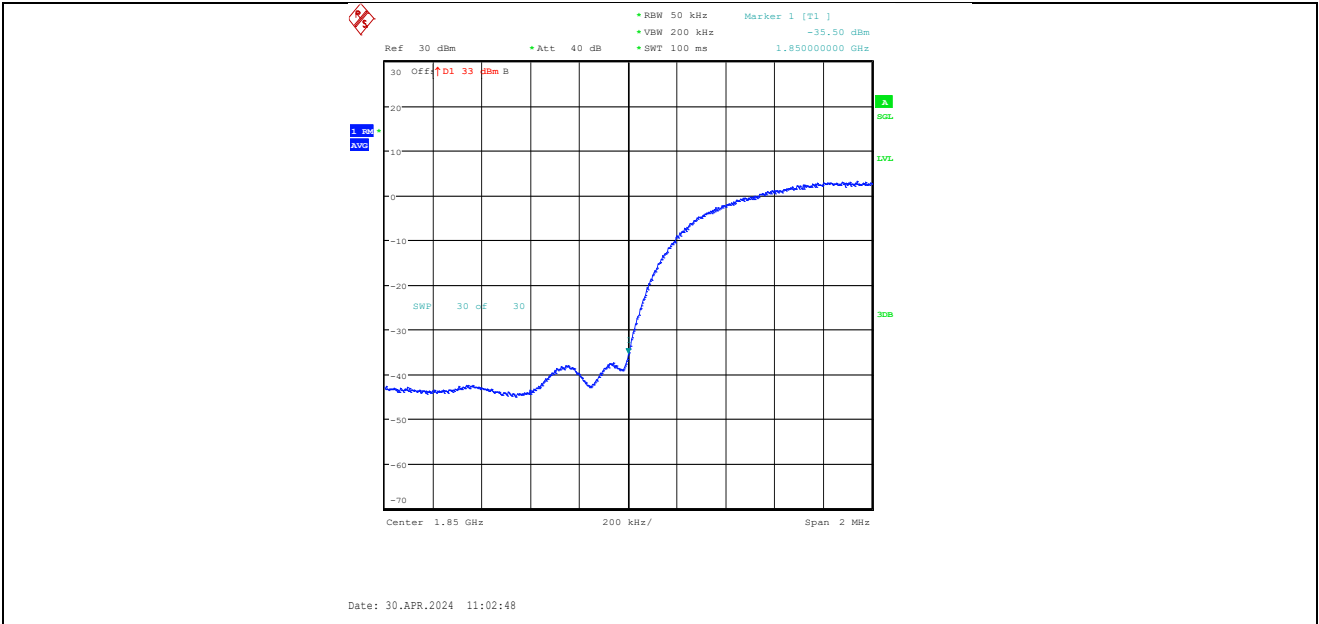


Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-35.38	-13.00	PASS
Band2	9538	1910.06	-36.13	-13.00	PASS

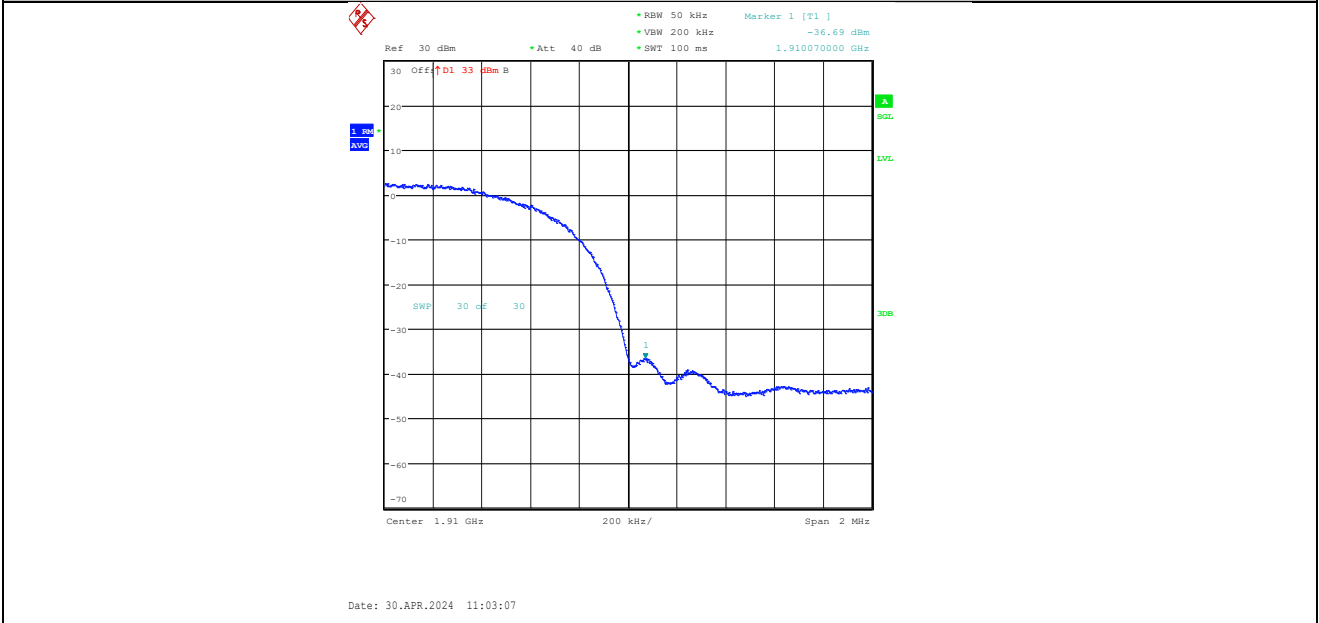
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-35.50	-13.00	PASS
Band2	9538	1	1910.07	-36.49	-13.00	PASS
Band2	9262	2	1849.94	-34.30	-13.00	PASS
Band2	9538	2	1910.06	-34.66	-13.00	PASS
Band2	9262	3	1849.92	-33.03	-13.00	PASS
Band2	9538	3	1910.07	-33.72	-13.00	PASS
Band2	9262	4	1849.92	-32.37	-13.00	PASS
Band2	9538	4	1910.07	-33.53	-13.00	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-36.94	-13.00	PASS
Band2	9538	1	1910.00	-37.64	-13.00	PASS
Band2	9262	2	1849.92	-34.04	-13.00	PASS
Band2	9538	2	1910.07	-34.78	-13.00	PASS
Band2	9262	3	1849.94	-35.10	-13.00	PASS
Band2	9538	3	1910.07	-35.55	-13.00	PASS
Band2	9262	4	1849.92	-32.13	-13.00	PASS
Band2	9538	4	1910.07	-33.16	-13.00	PASS
Band2	9262	5	1850.00	-35.11	-13.00	PASS
Band2	9538	5	1910.07	-35.52	-13.00	PASS

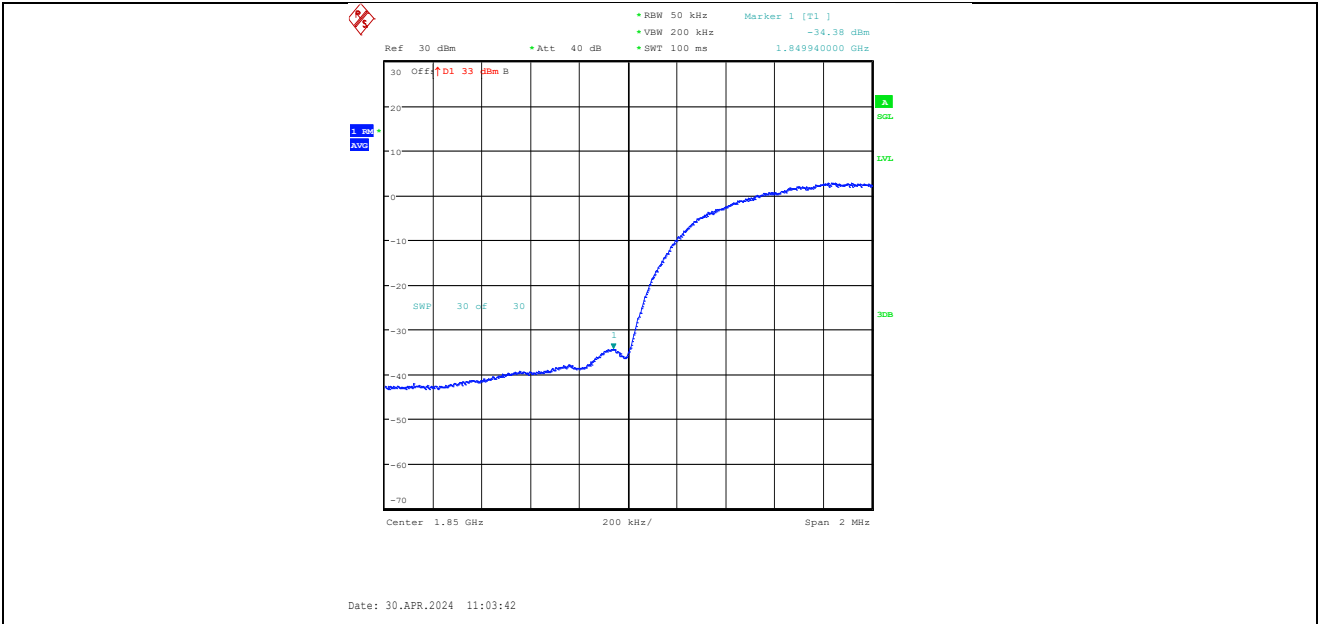




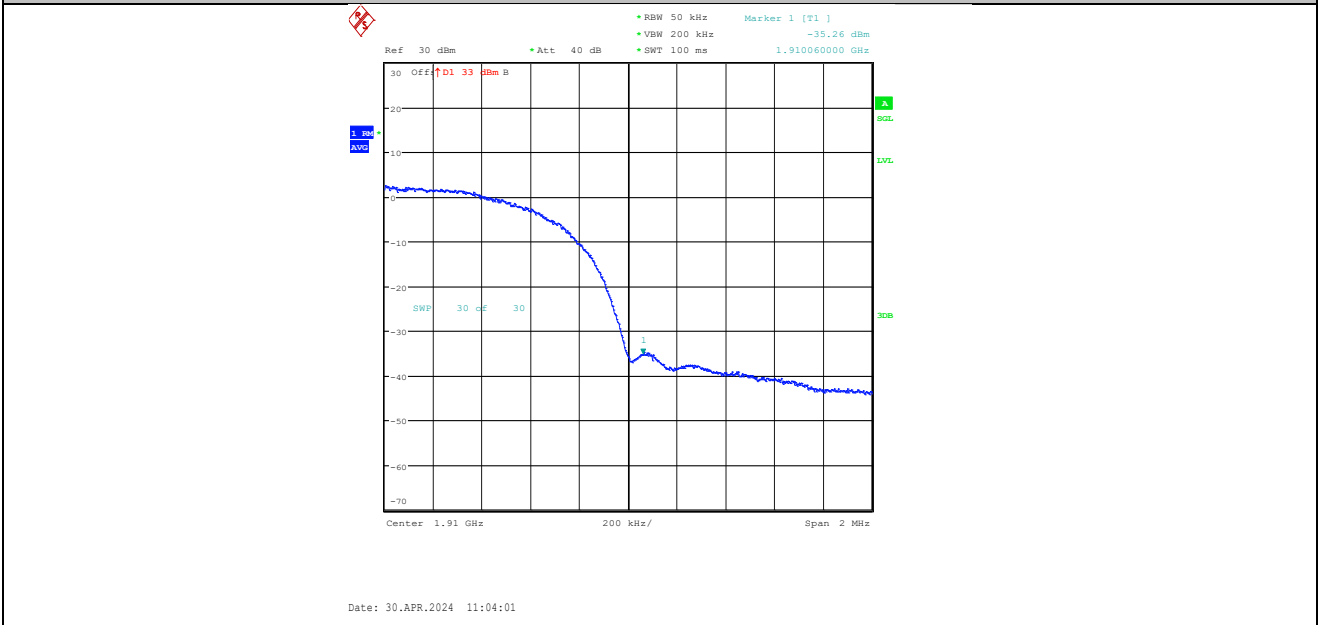
Band2-9262-1-PASS



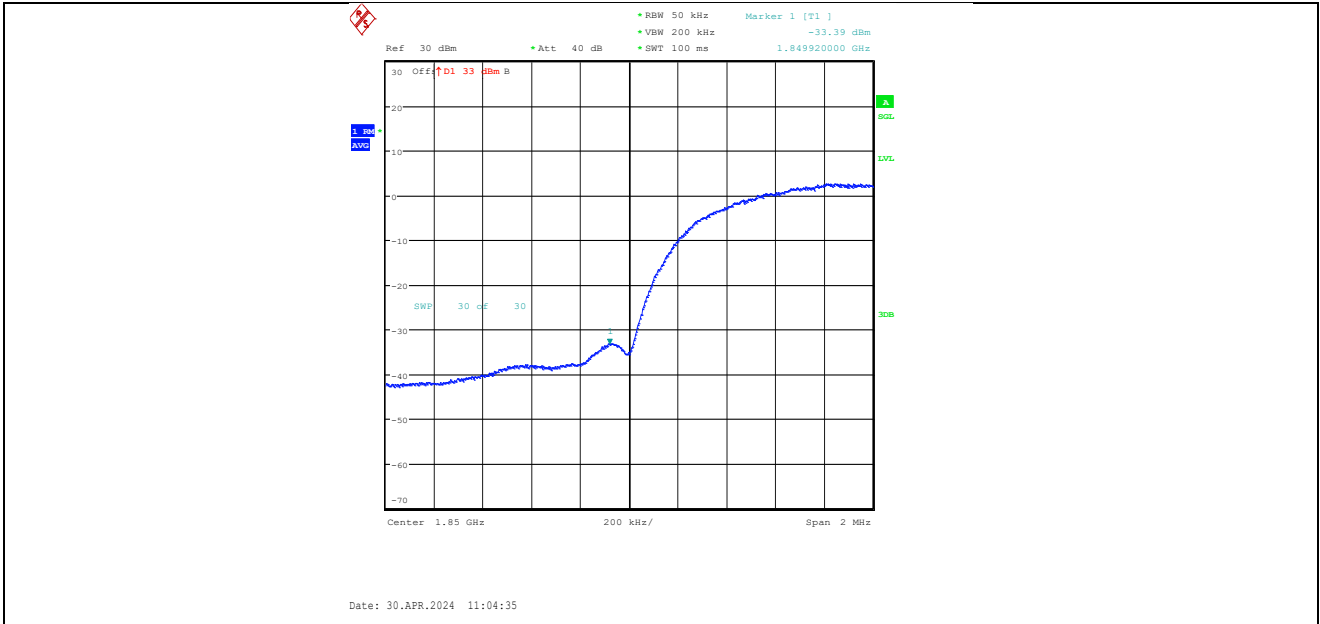
Band2-9538-1-PASS



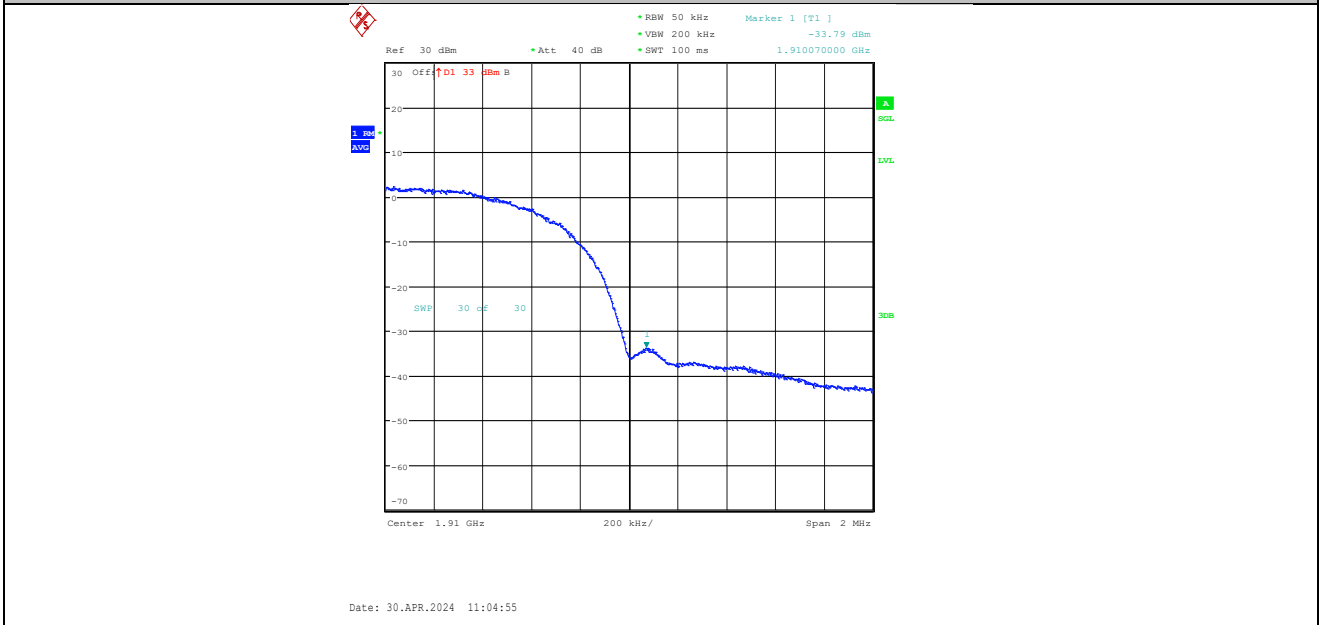
Band2-9262-2-PASS



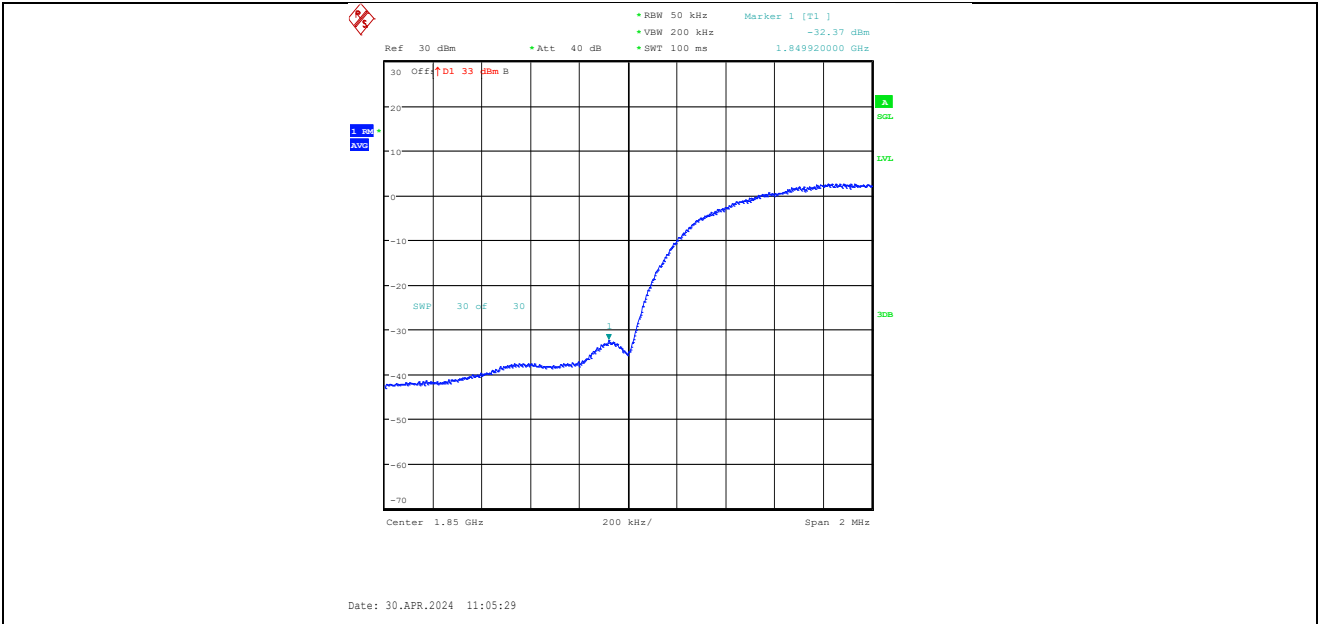
Band2-9538-2-PASS



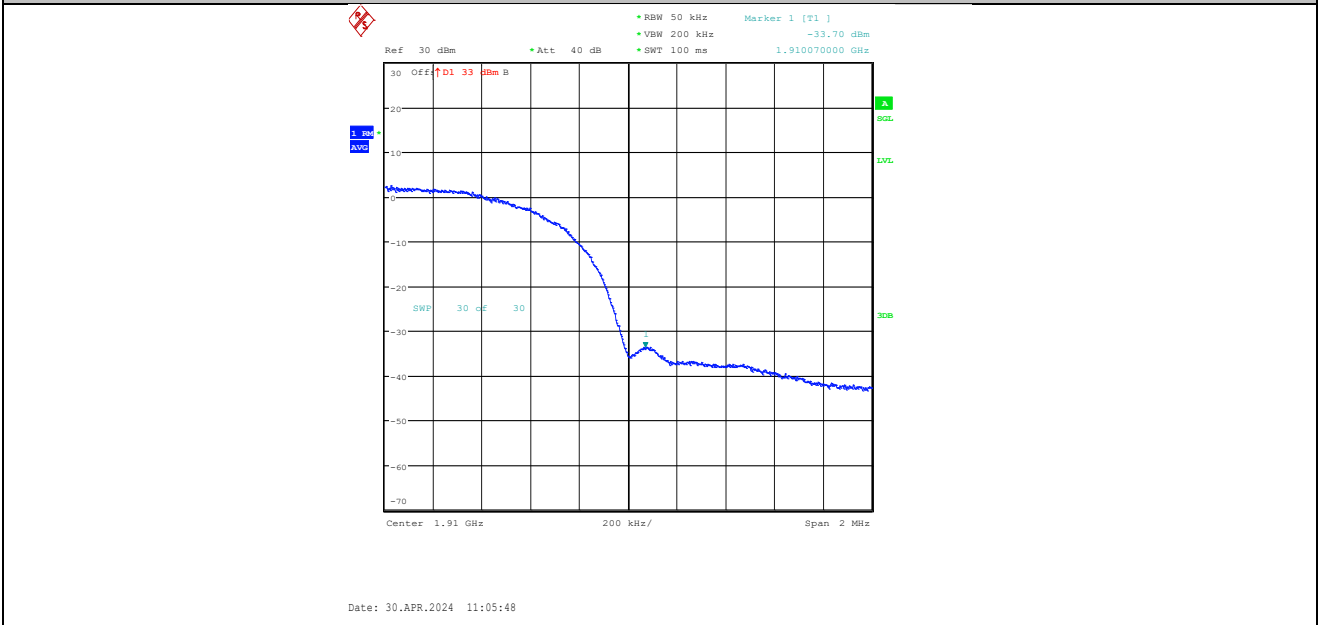
Band2-9262-3-PASS



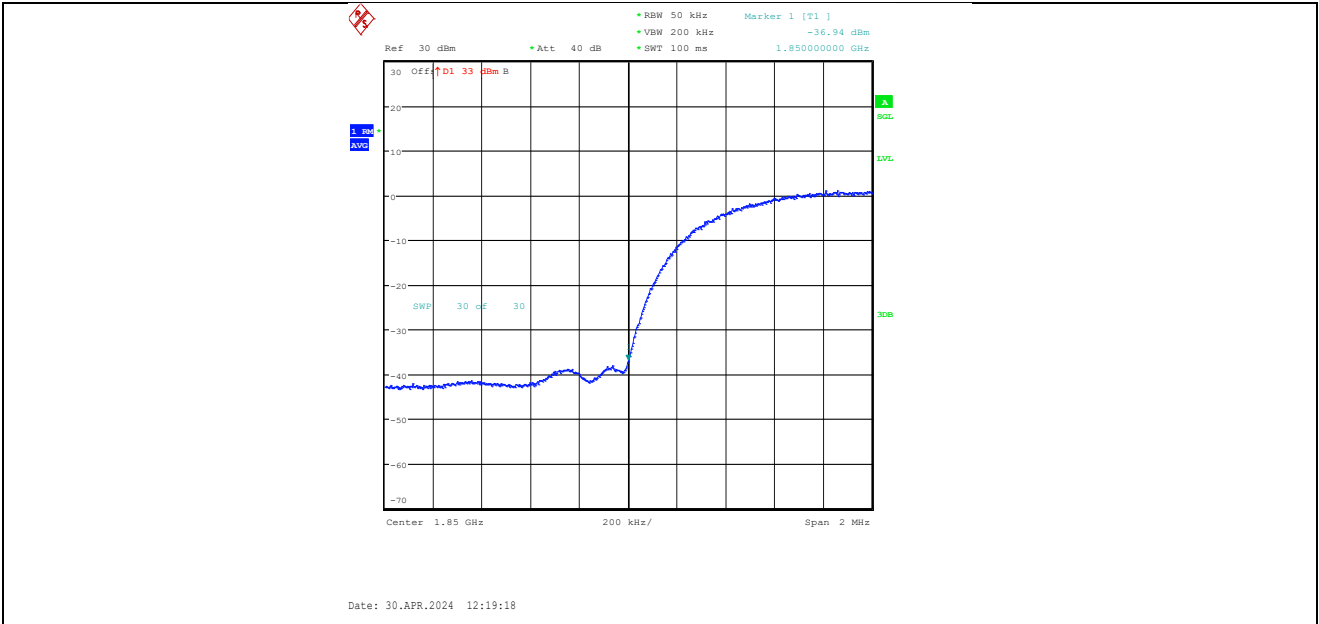
Band2-9538-3-PASS



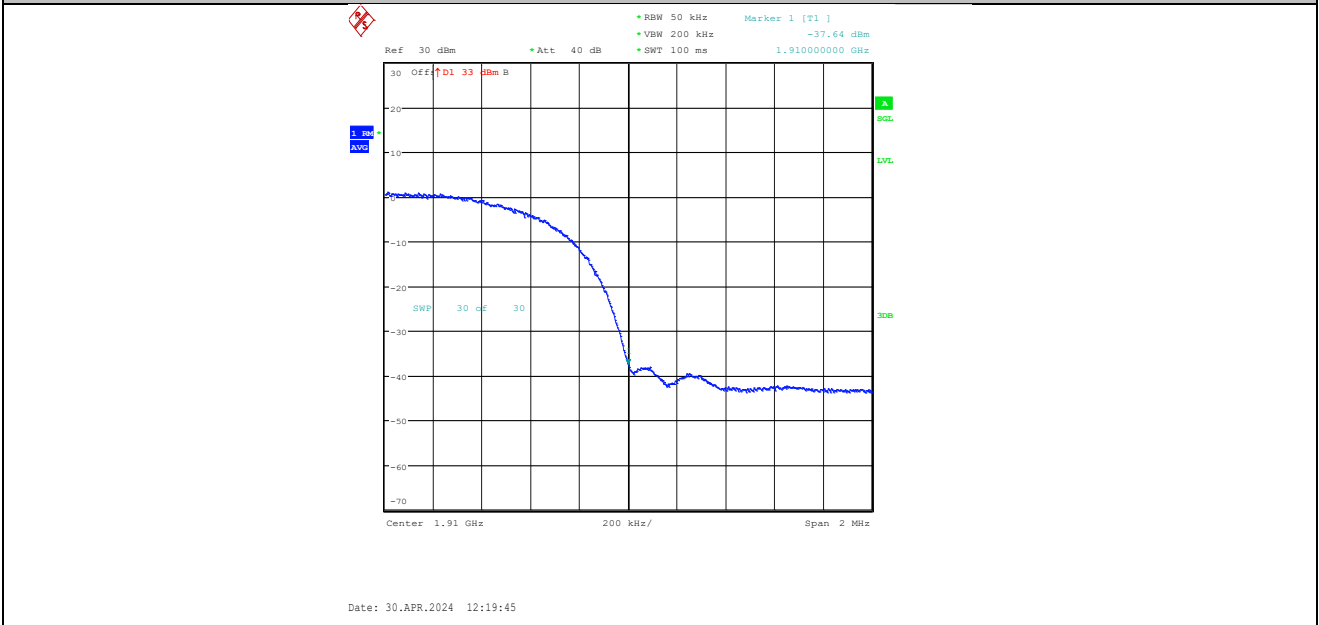
Band2-9262-4-PASS



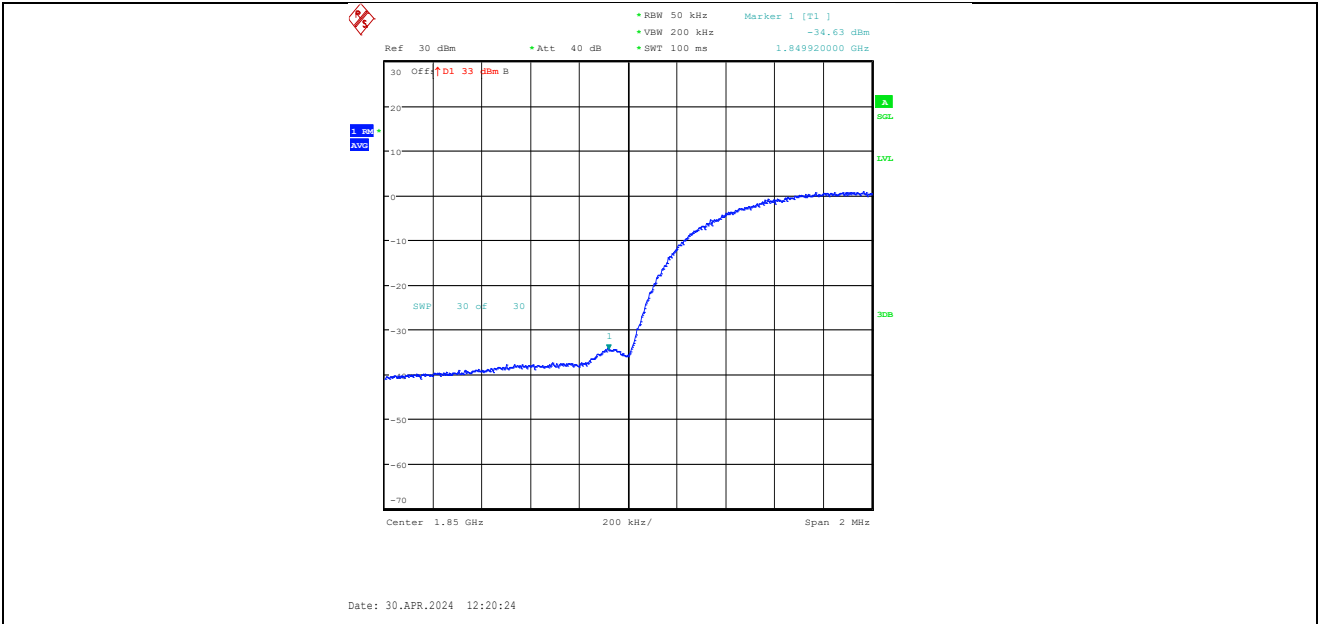
Band2-9538-4-PASS



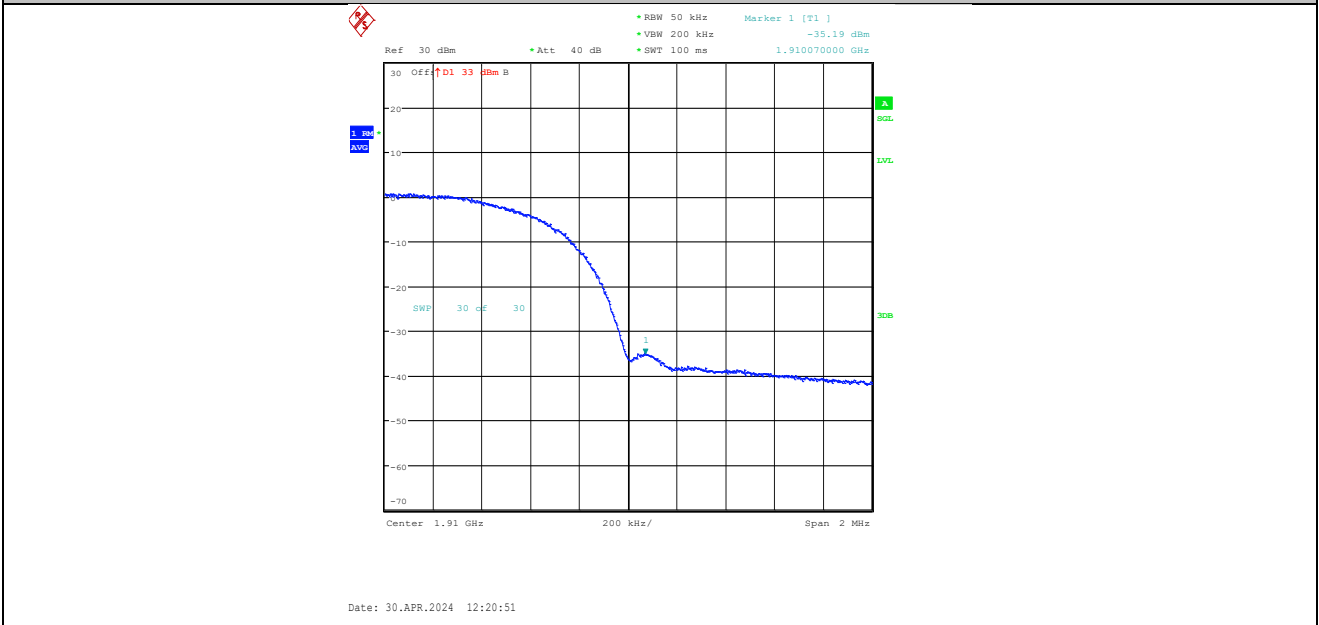
Band2-9262-1-PASS



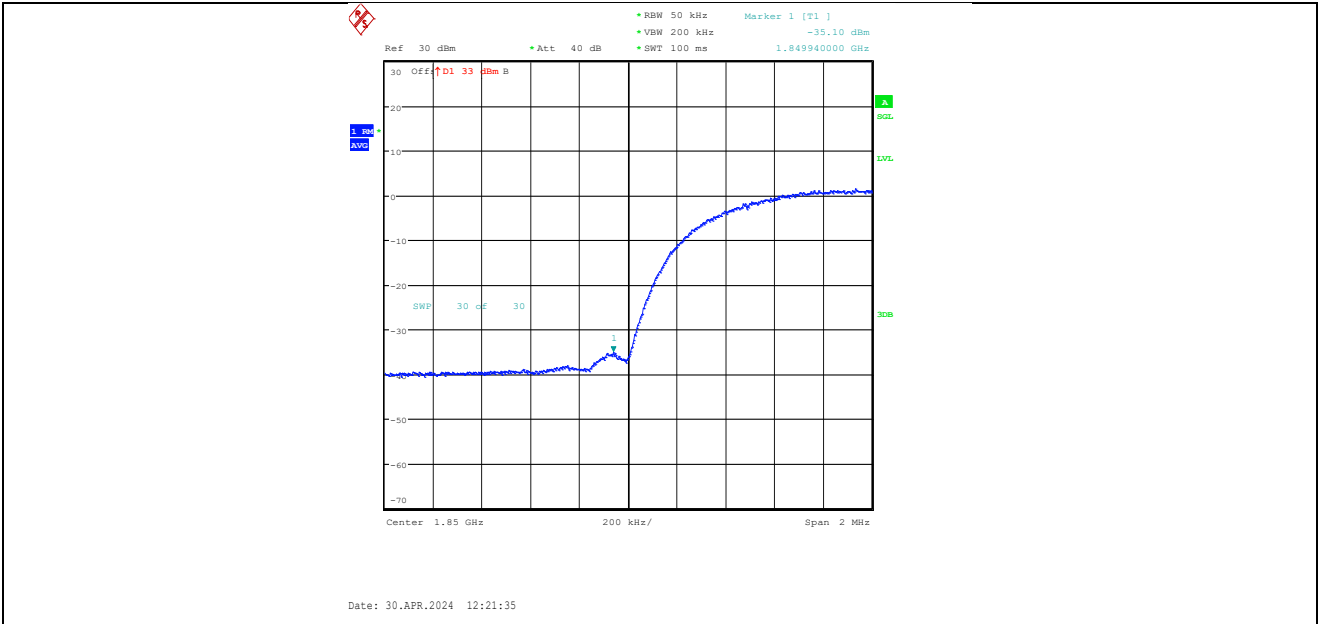
Band2-9538-1-PASS



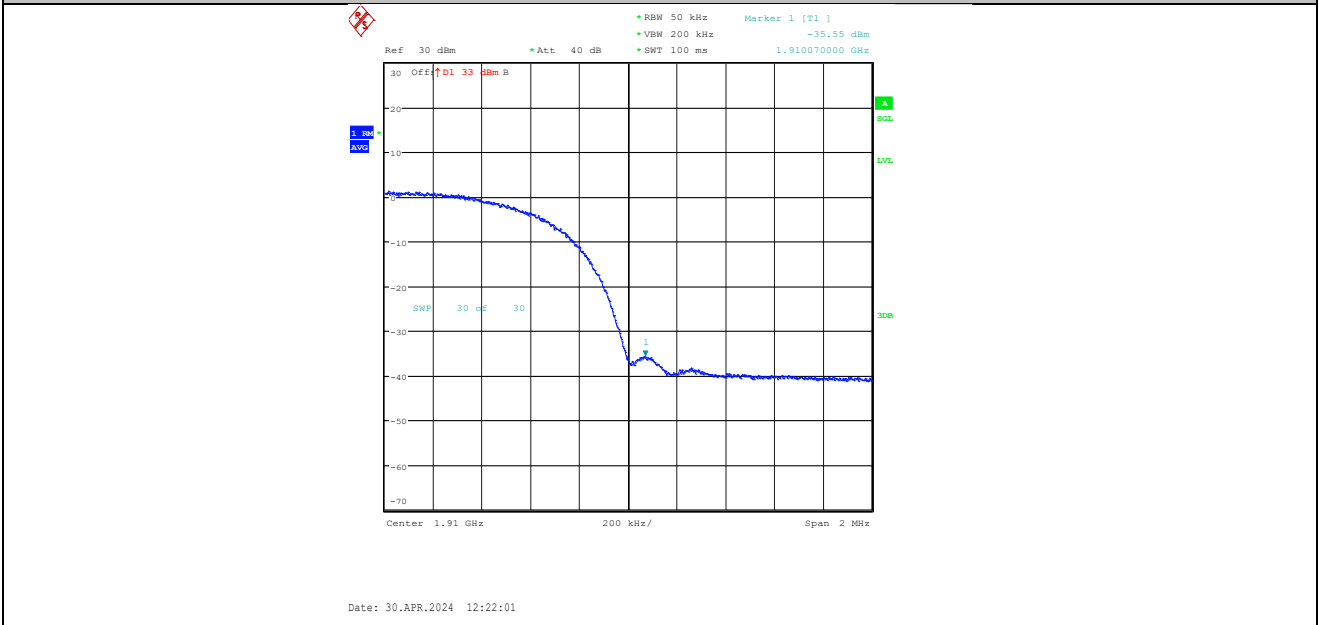
Band2-9262-2-PASS



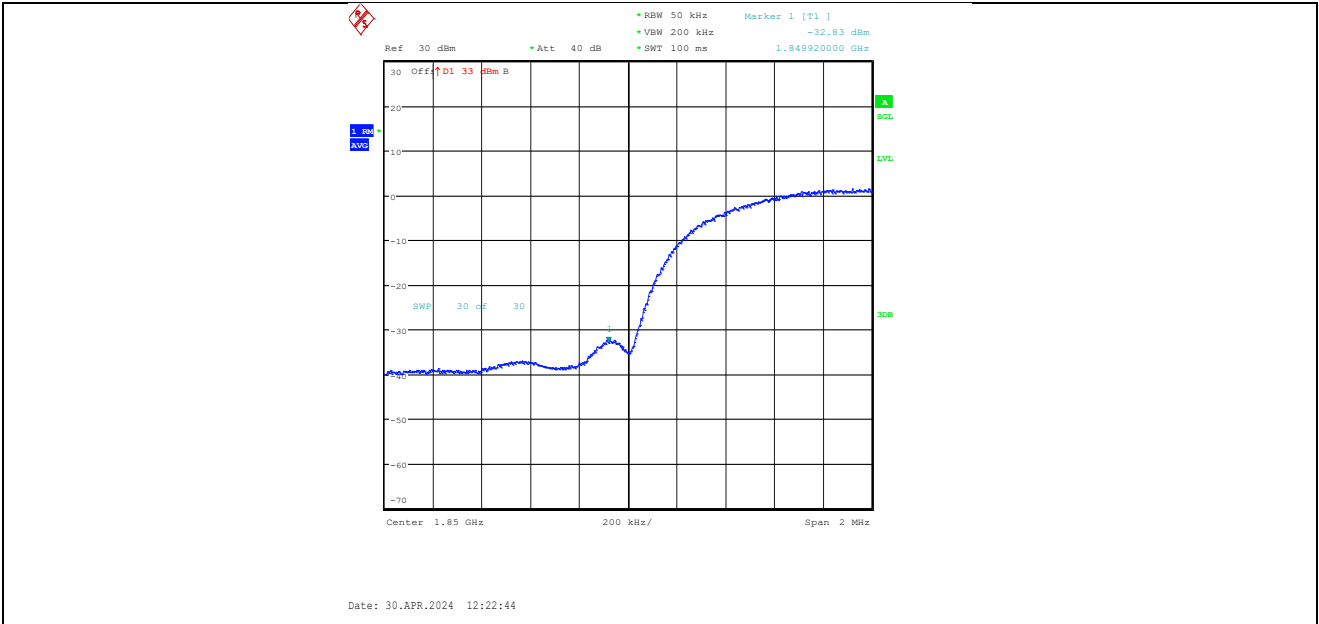
Band2-9538-2-PASS



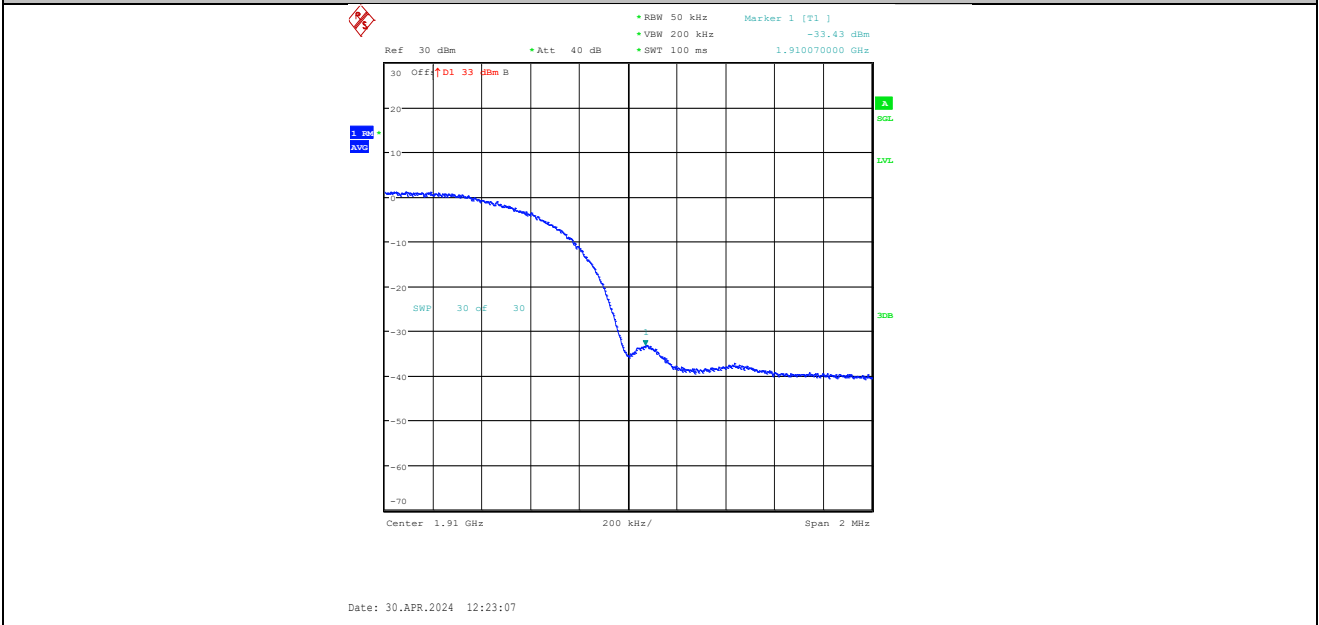
Band2-9262-3-PASS



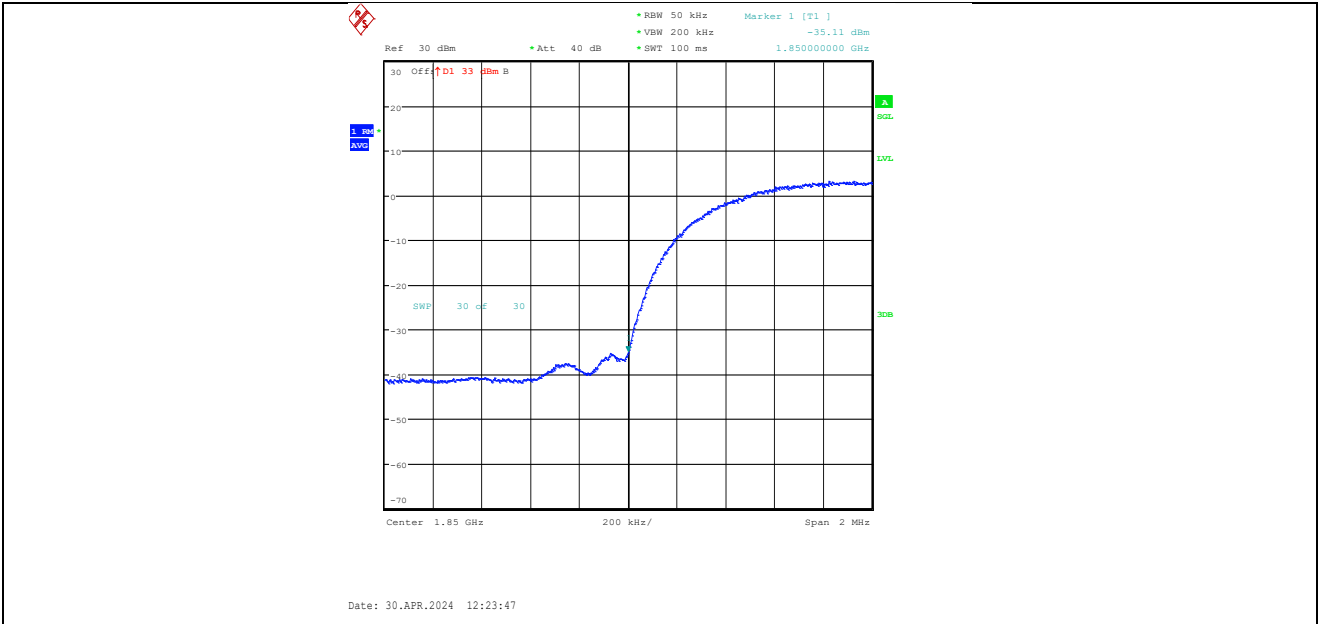
Band2-9538-3-PASS



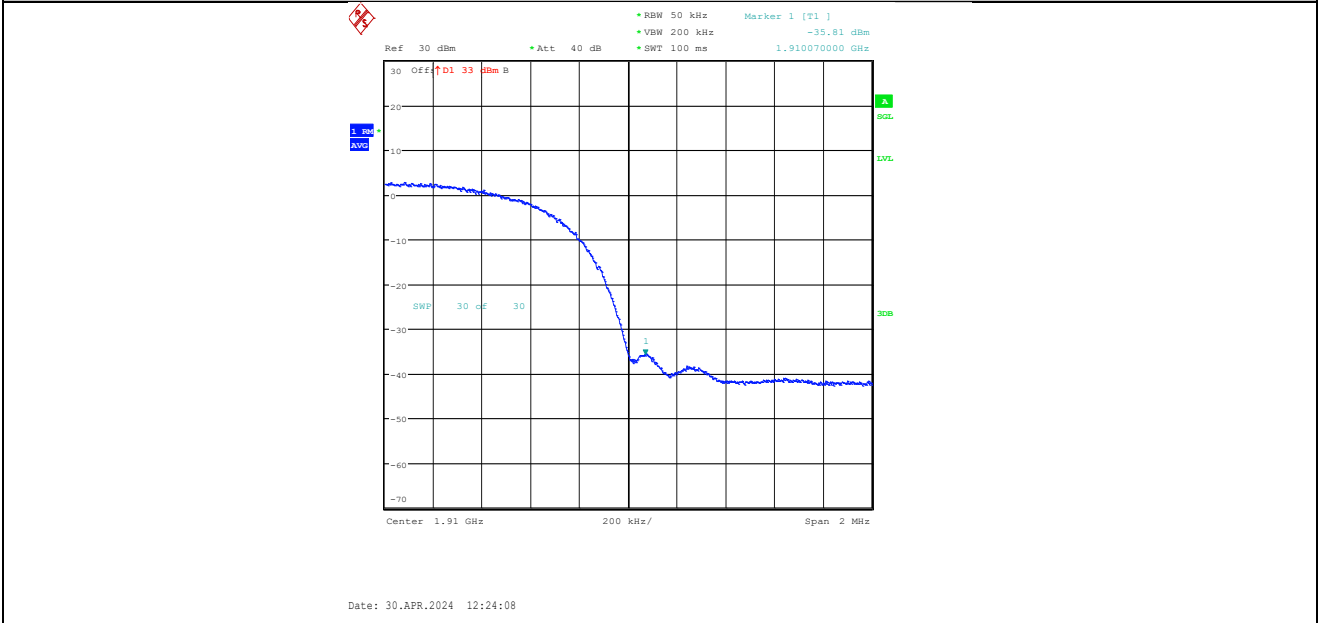
Band2-9262-4-PASS



Band2-9538-4-PASS

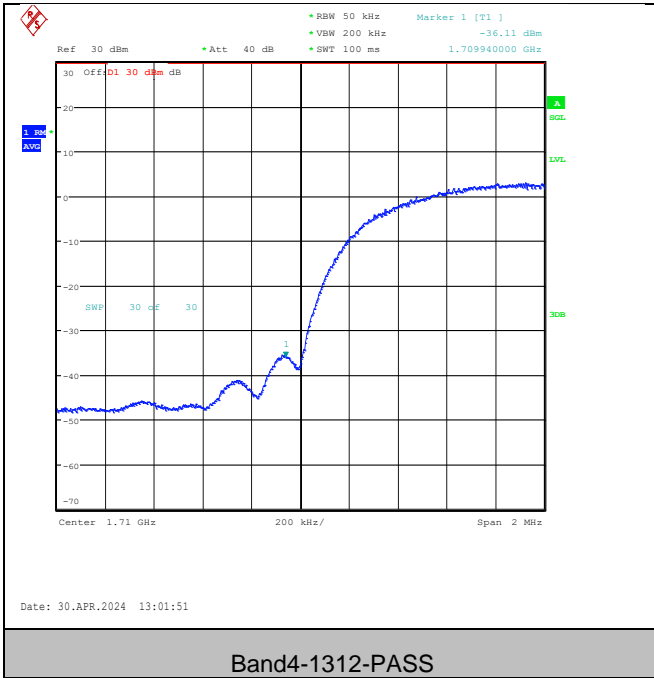


Band2-9262-5-PASS



Band2-9538-5-PASS

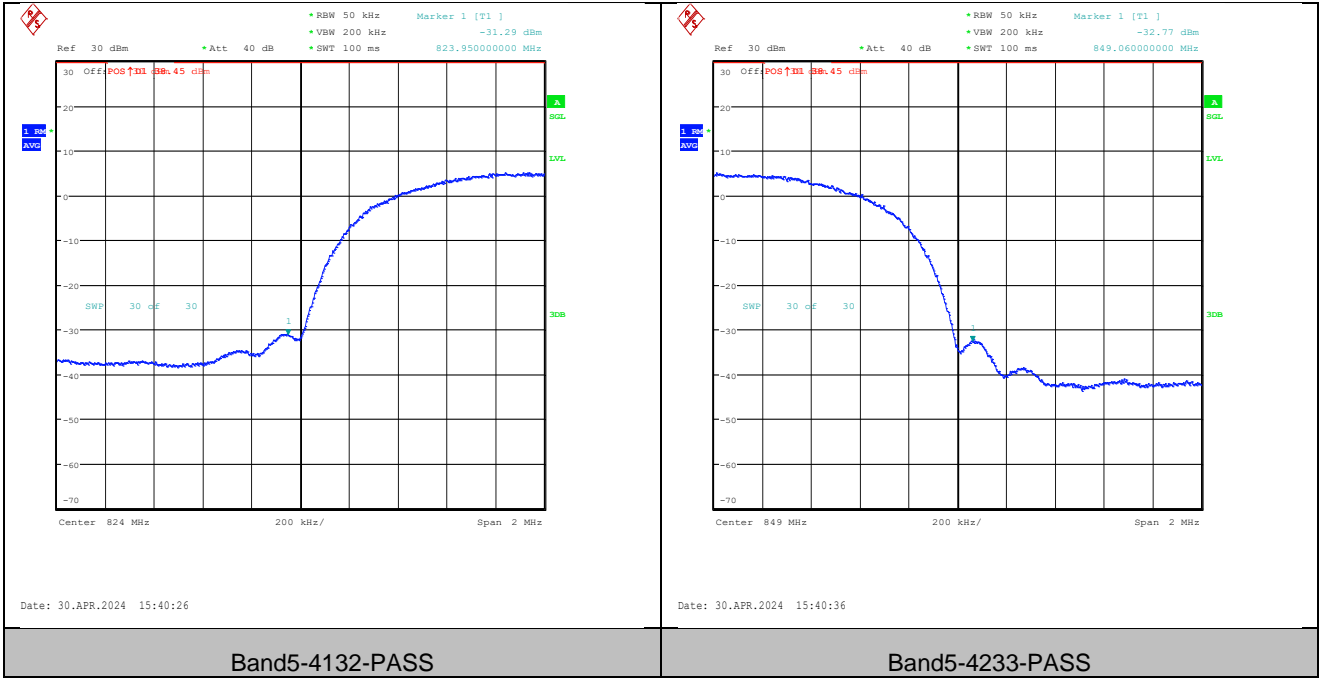
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.94	-35.36	-13.00	PASS
Band4	1513	1755.06	-35.78	-13.00	PASS



Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.95	-30.76	-13.00	PASS
Band5	4233	849.06	-32.11	-13.00	PASS

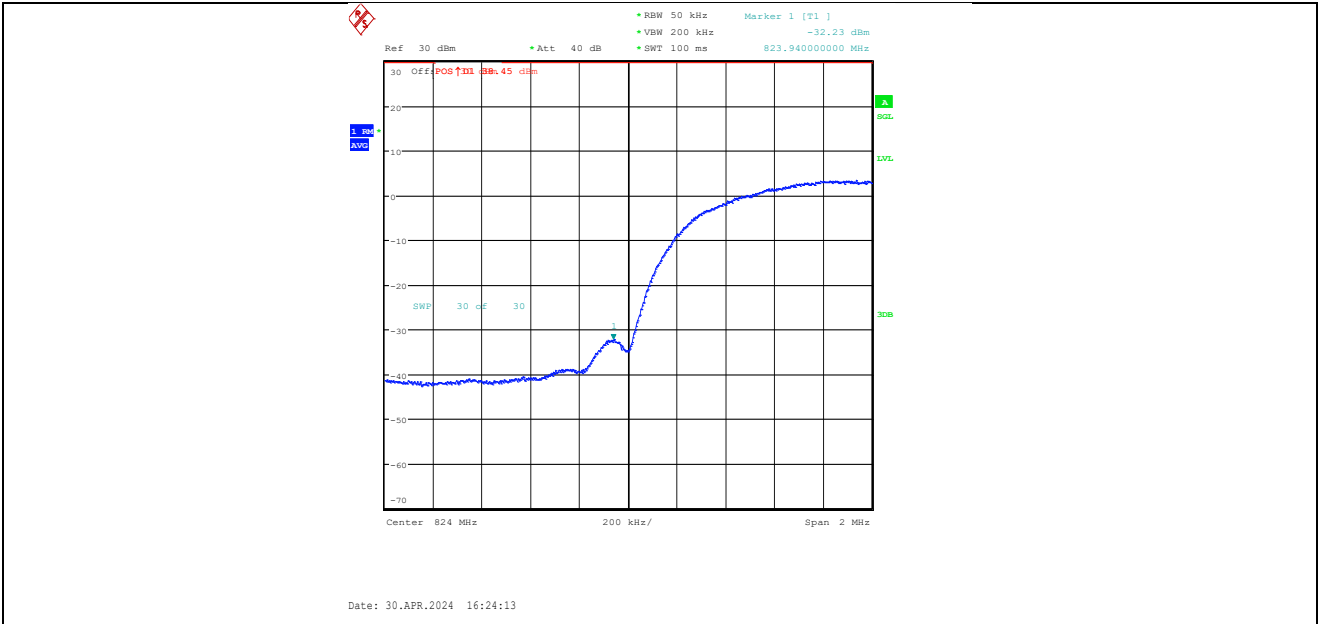
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.94	-32.13	-13.00	PASS
Band5	4233	1	849.06	-33.25	-13.00	PASS
Band5	4132	2	823.92	-31.74	-13.00	PASS
Band5	4233	2	849.06	-34.16	-13.00	PASS
Band5	4132	3	823.93	-33.21	-13.00	PASS
Band5	4233	3	849.27	-35.15	-13.00	PASS
Band5	4132	4	823.93	-33.18	-13.00	PASS
Band5	4233	4	849.27	-35.28	-13.00	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	1	823.94	-33.73	-13.00	PASS
Band5	4233	1	849.06	-34.36	-13.00	PASS
Band5	4132	2	823.95	-32.44	-13.00	PASS
Band5	4233	2	849.25	-34.48	-13.00	PASS
Band5	4132	3	823.94	-33.85	-13.00	PASS
Band5	4233	3	849.06	-34.66	-13.00	PASS
Band5	4132	4	824.00	-35.80	-13.00	PASS
Band5	4233	4	849.28	-36.92	-13.00	PASS
Band5	4132	5	823.93	-32.67	-13.00	PASS
Band5	4233	5	849.09	-34.36	-13.00	PASS

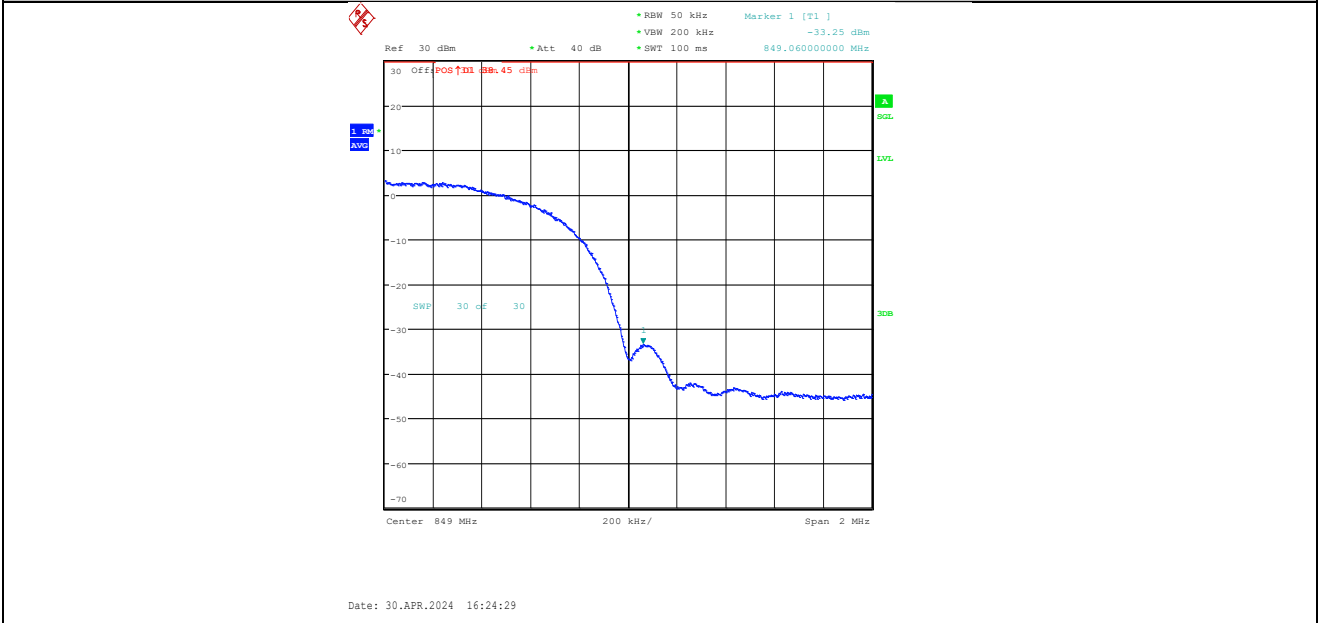


Band5-4132-PASS

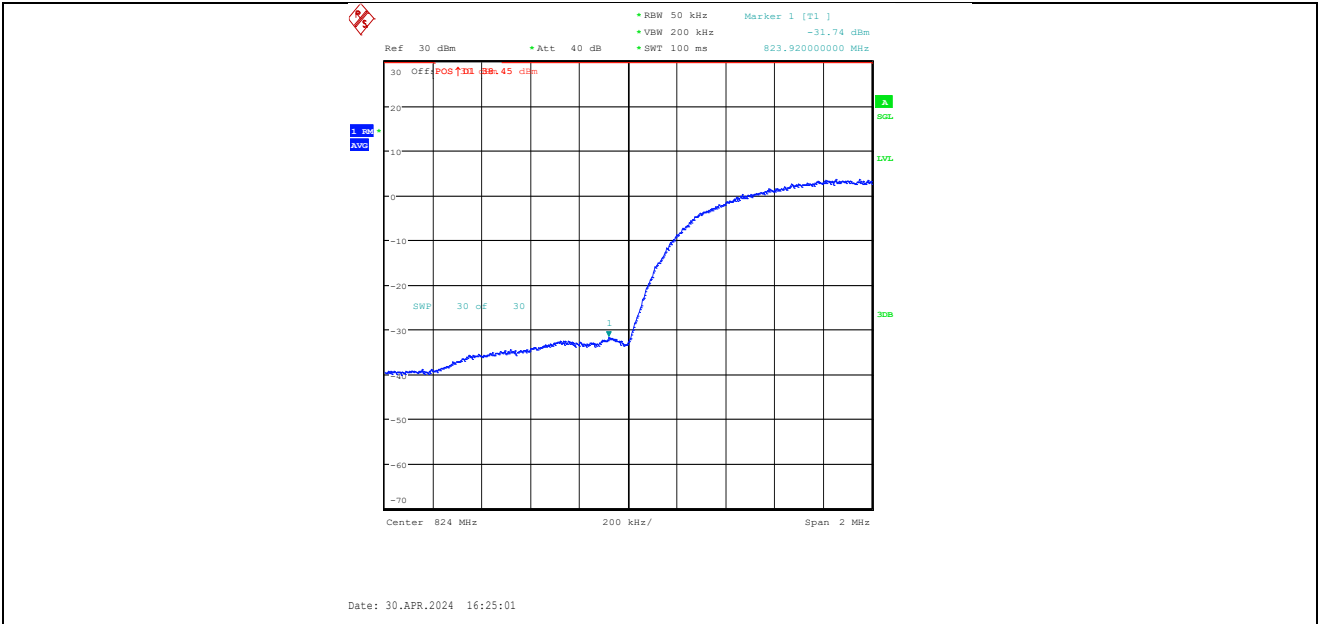
Band5-4233-PASS



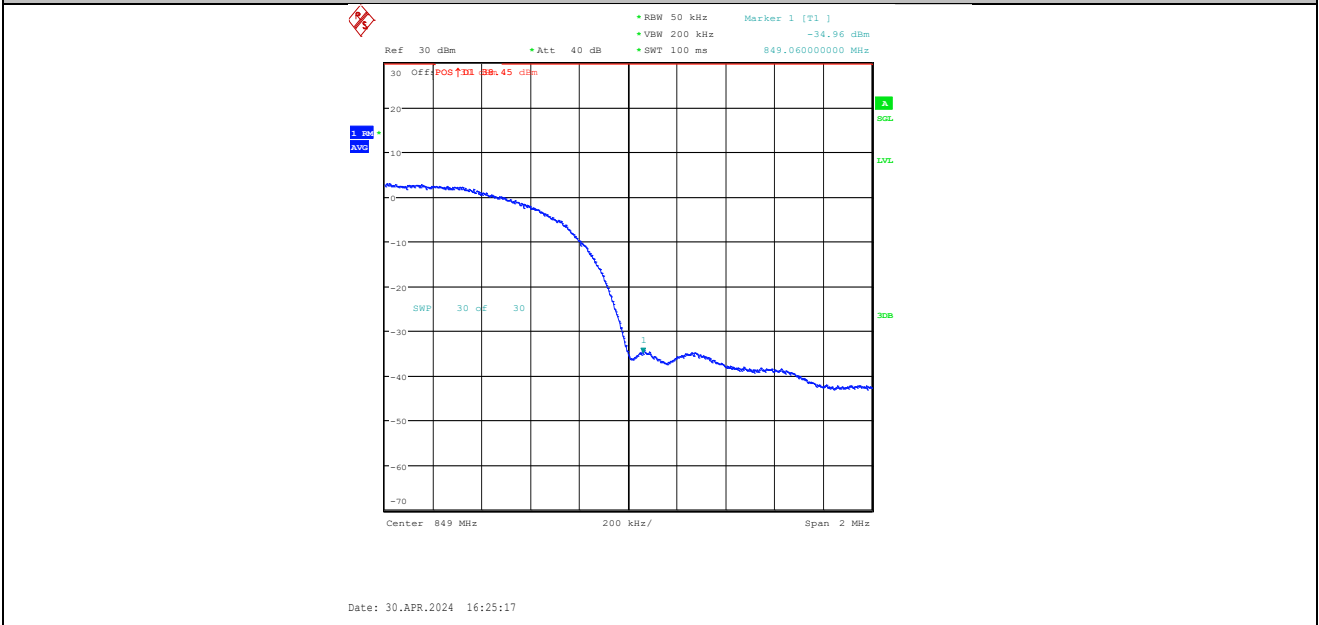
Band5-4132-1-PASS



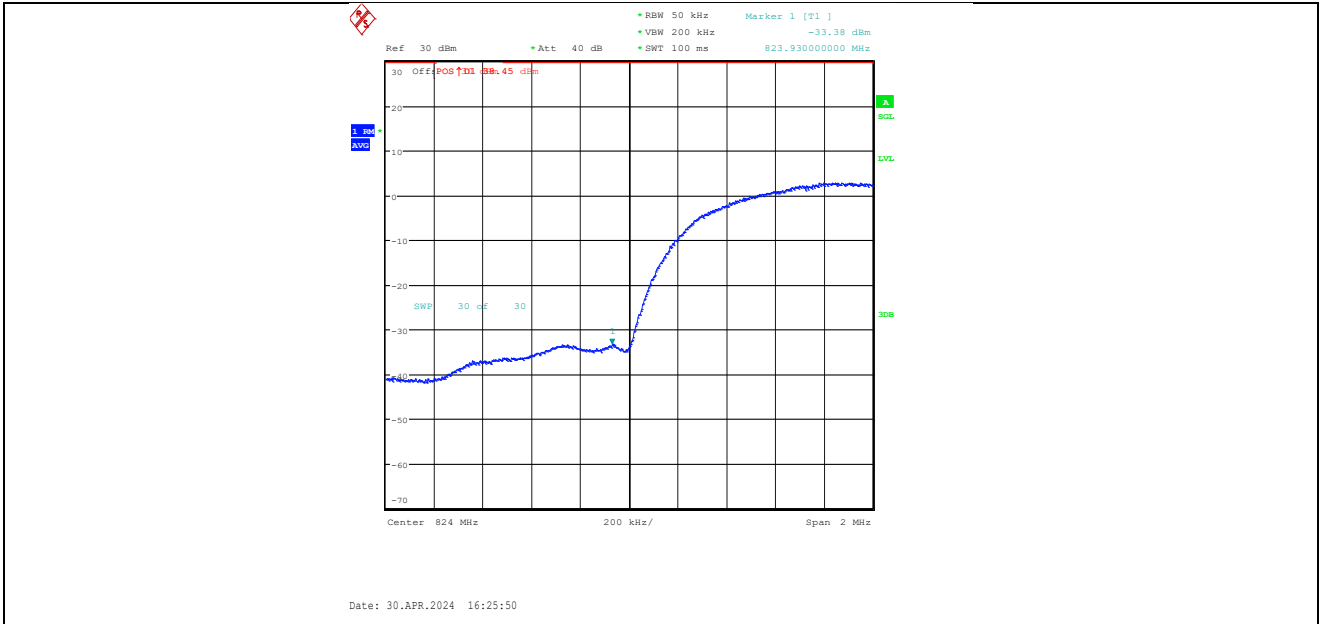
Band5-4233-1-PASS



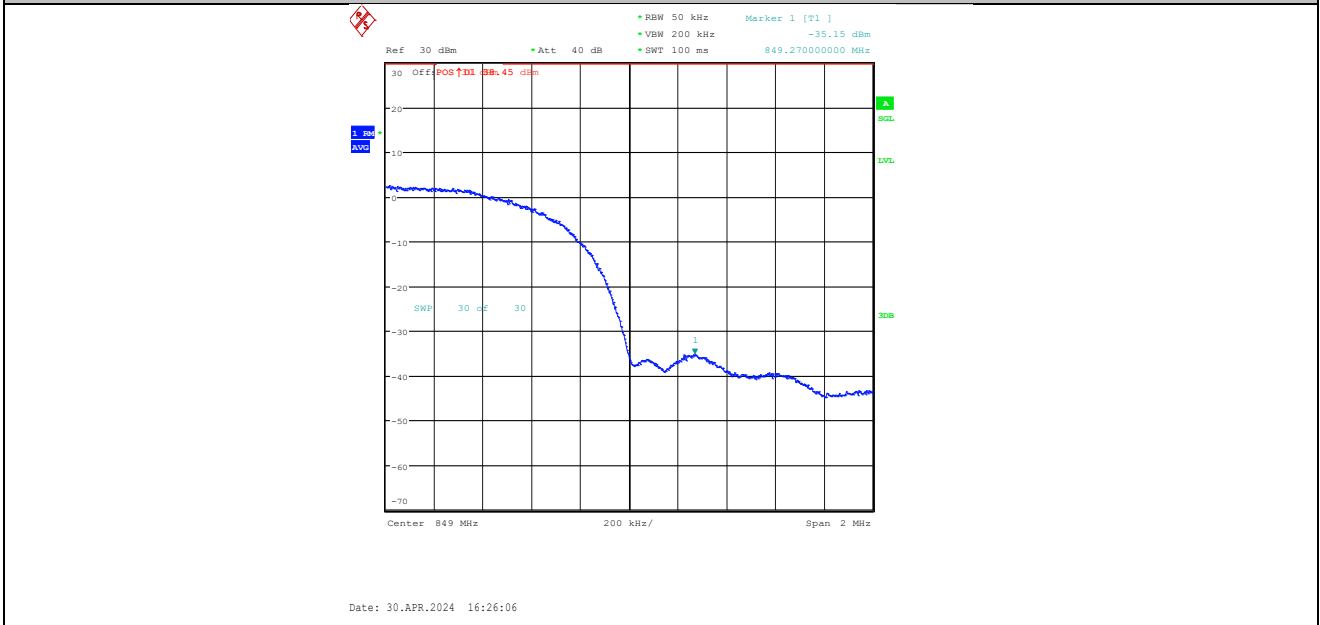
Band5-4132-2-PASS



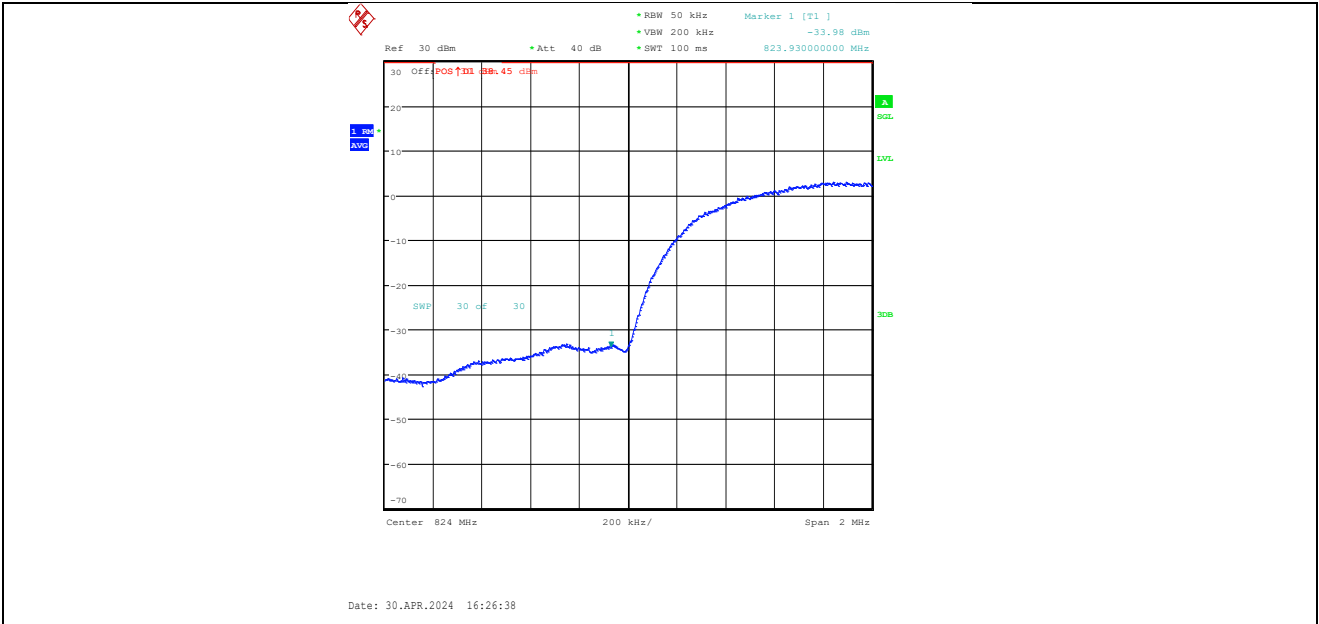
Band5-4233-2-PASS



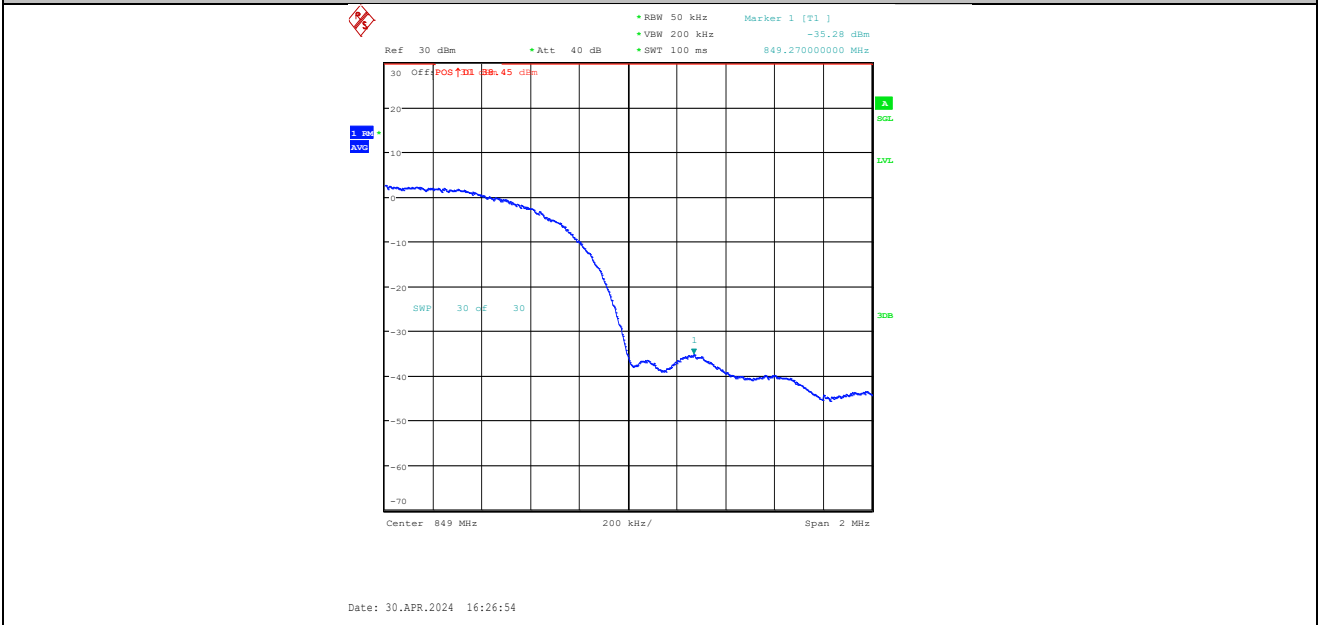
Band5-4132-3-PASS



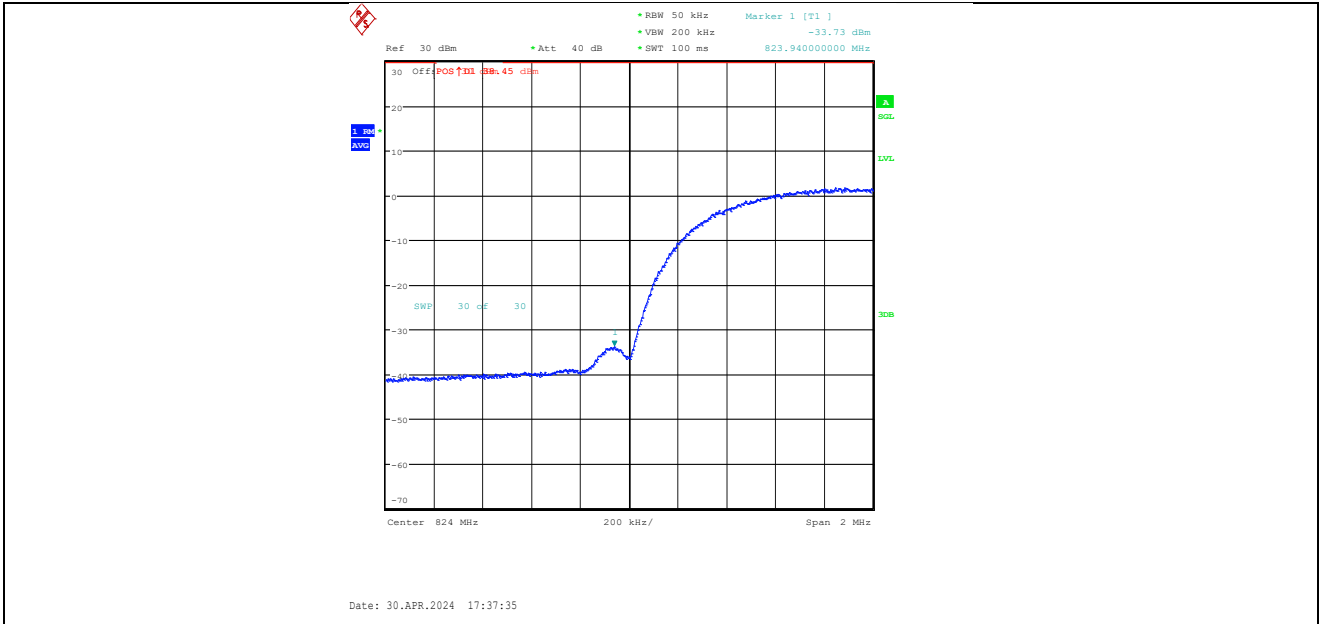
Band5-4233-3-PASS



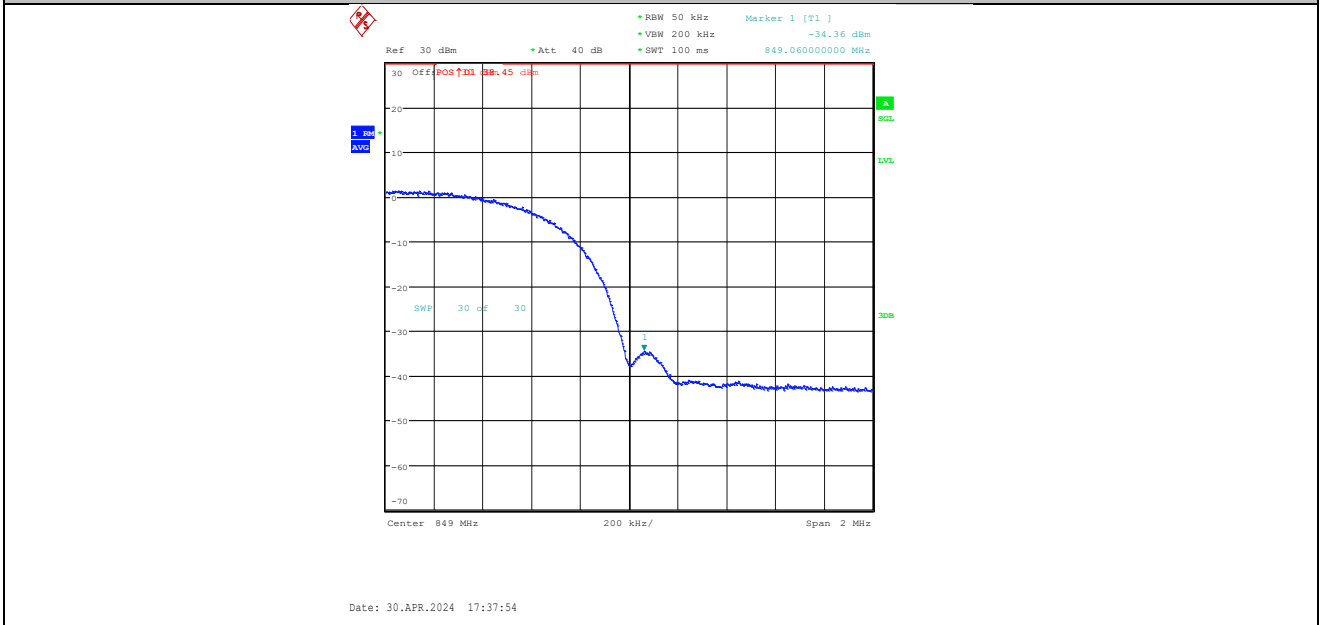
Band5-4132-4-PASS



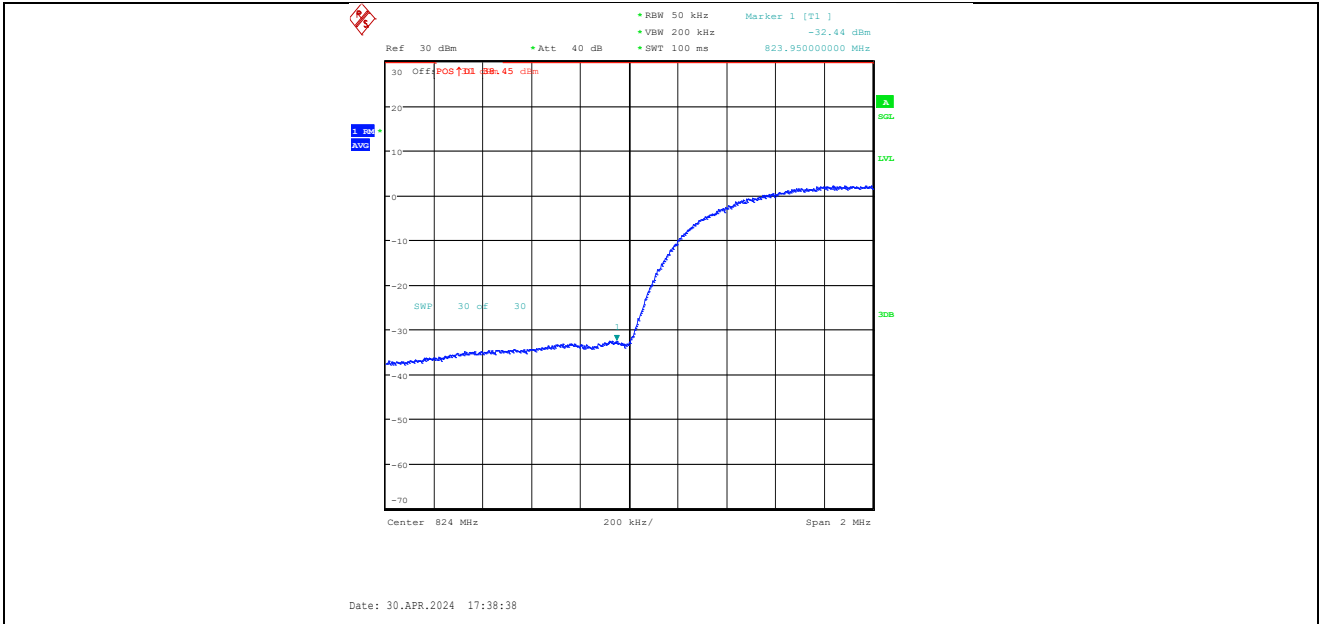
Band5-4233-4-PASS



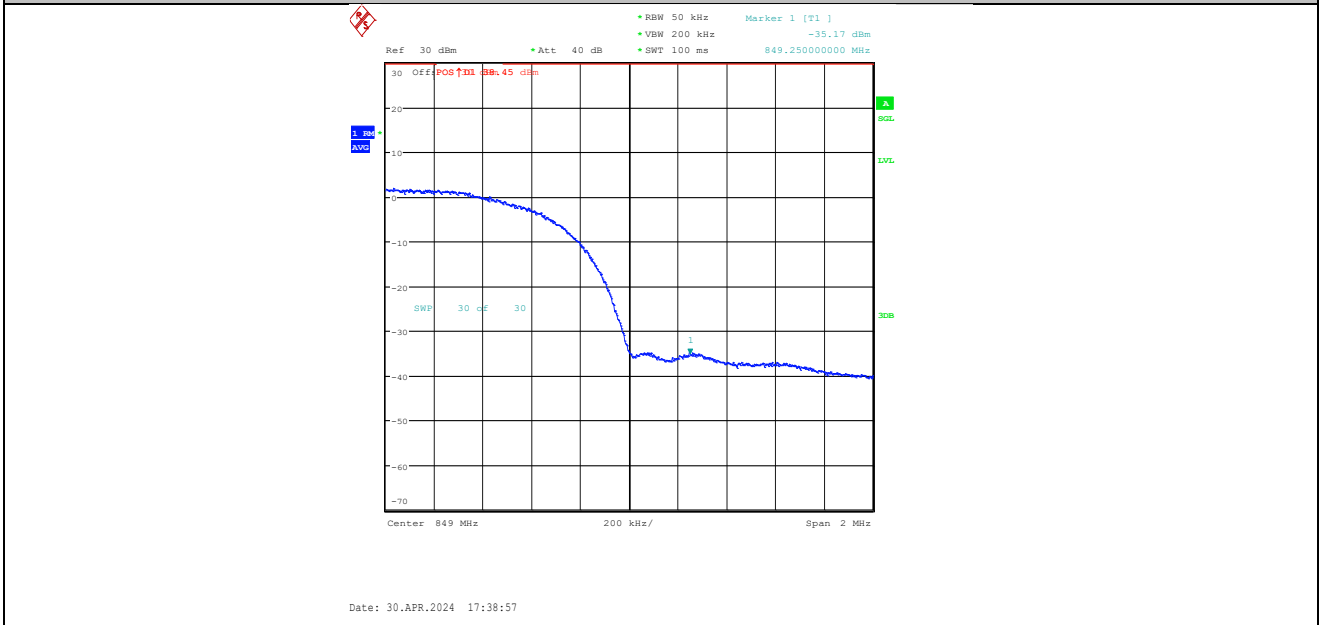
Band5-4132-1-PASS



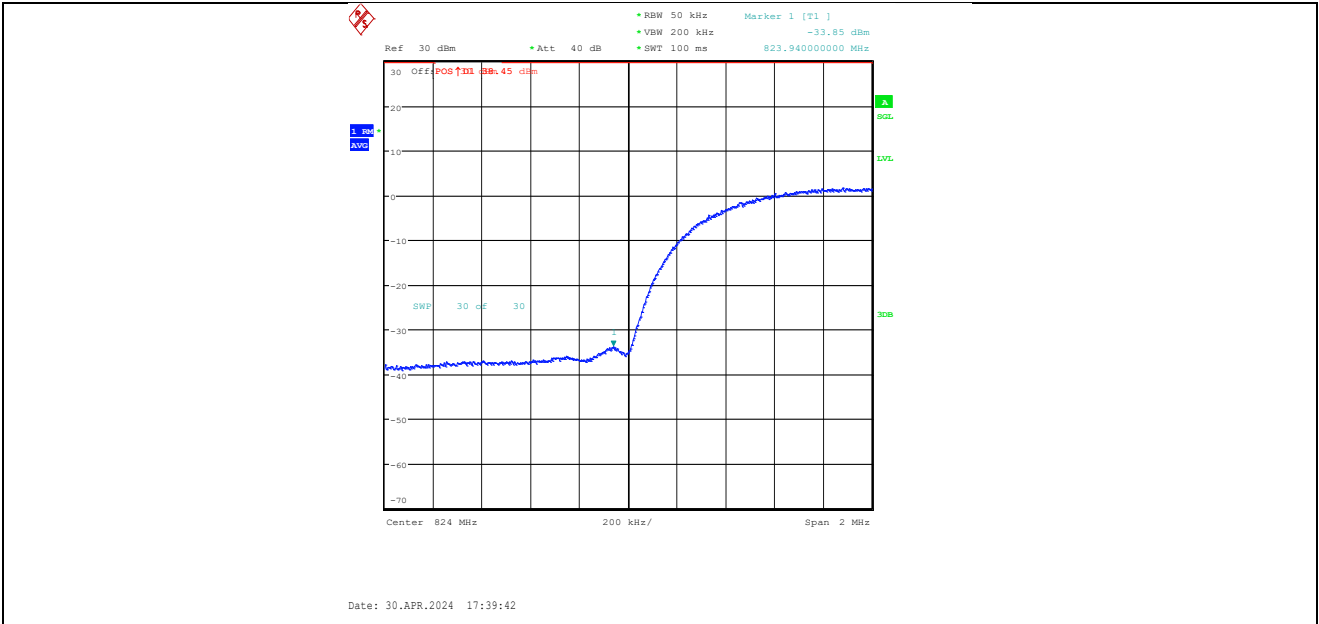
Band5-4233-1-PASS



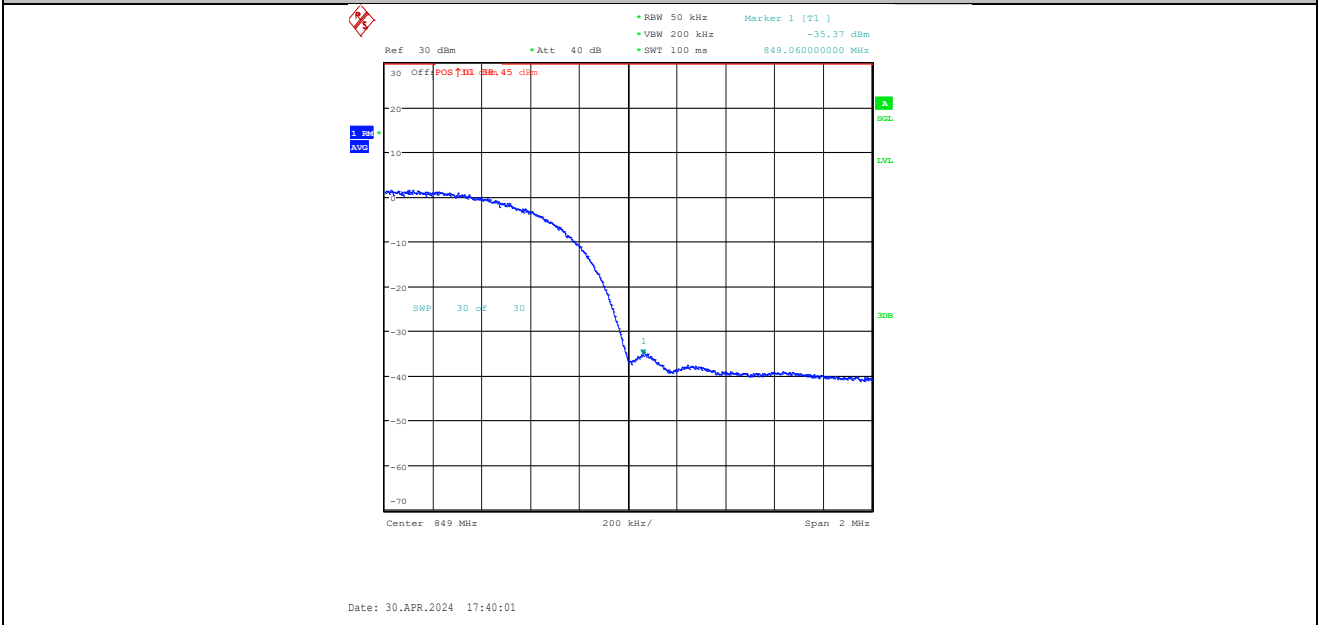
Band5-4132-2-PASS



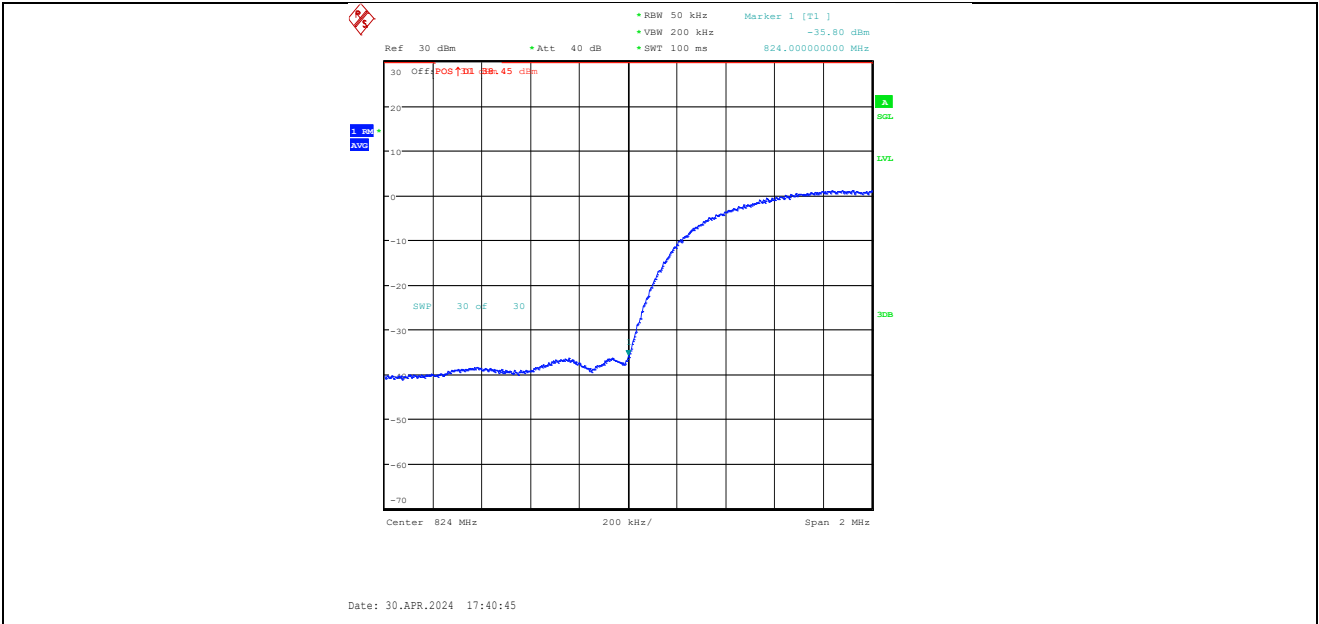
Band5-4233-2-PASS



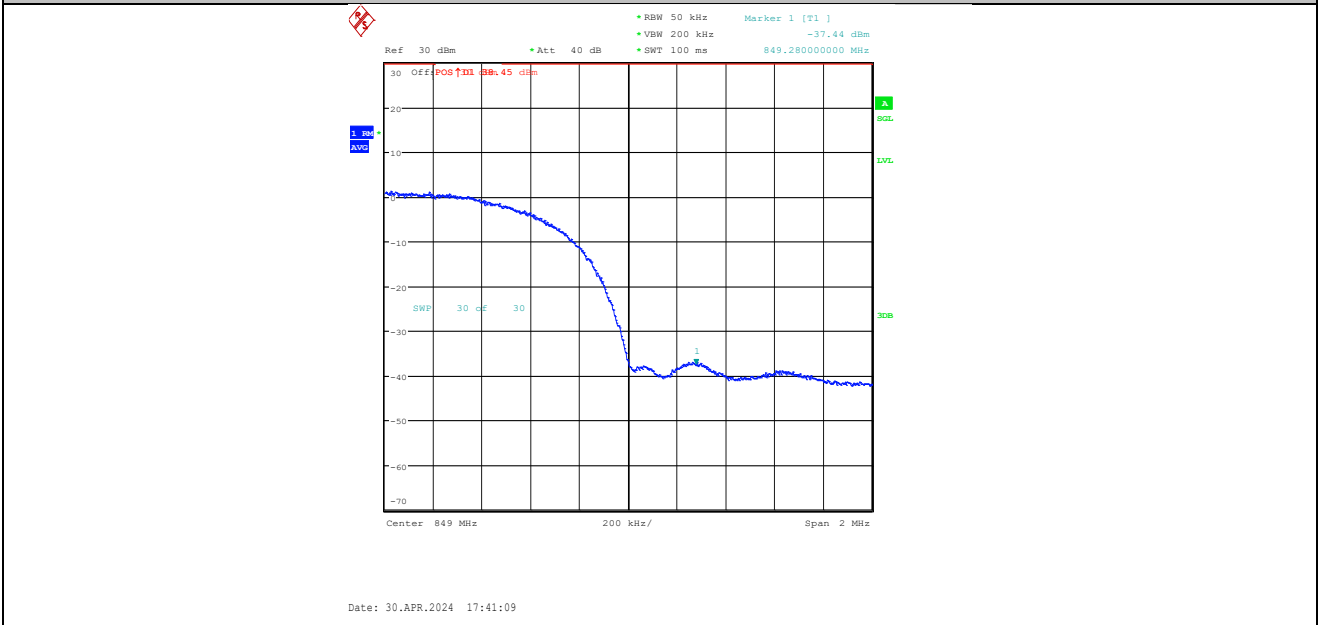
Band5-4132-3-PASS



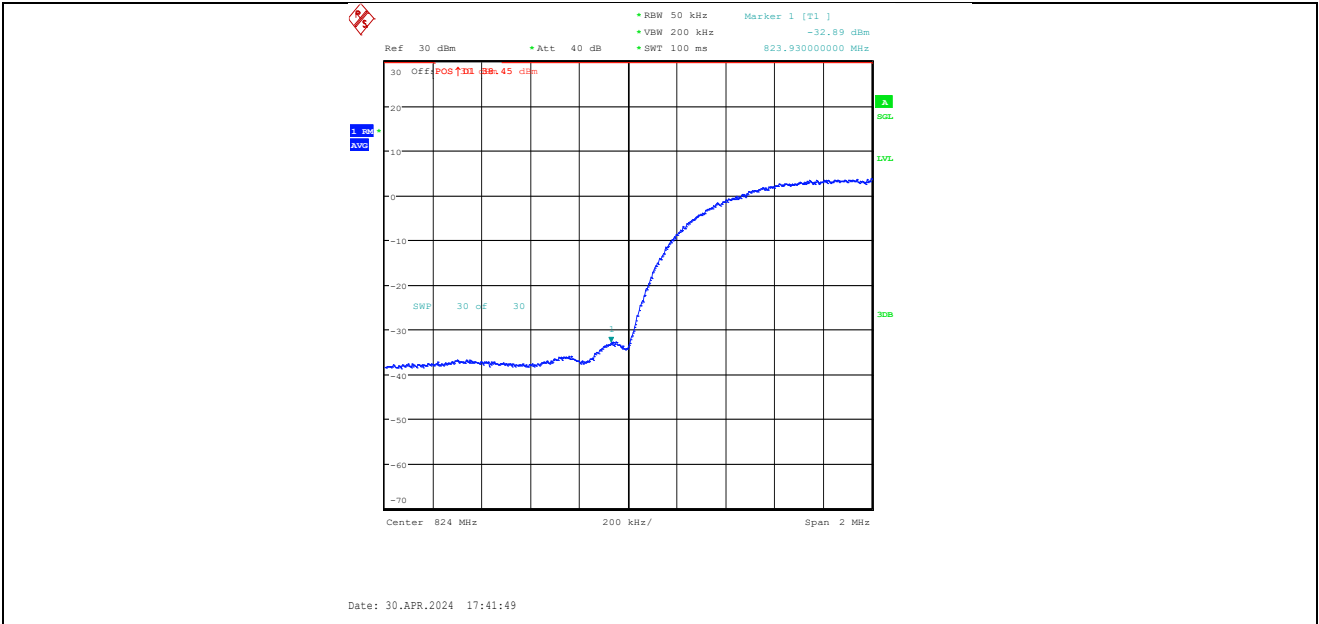
Band5-4233-3-PASS



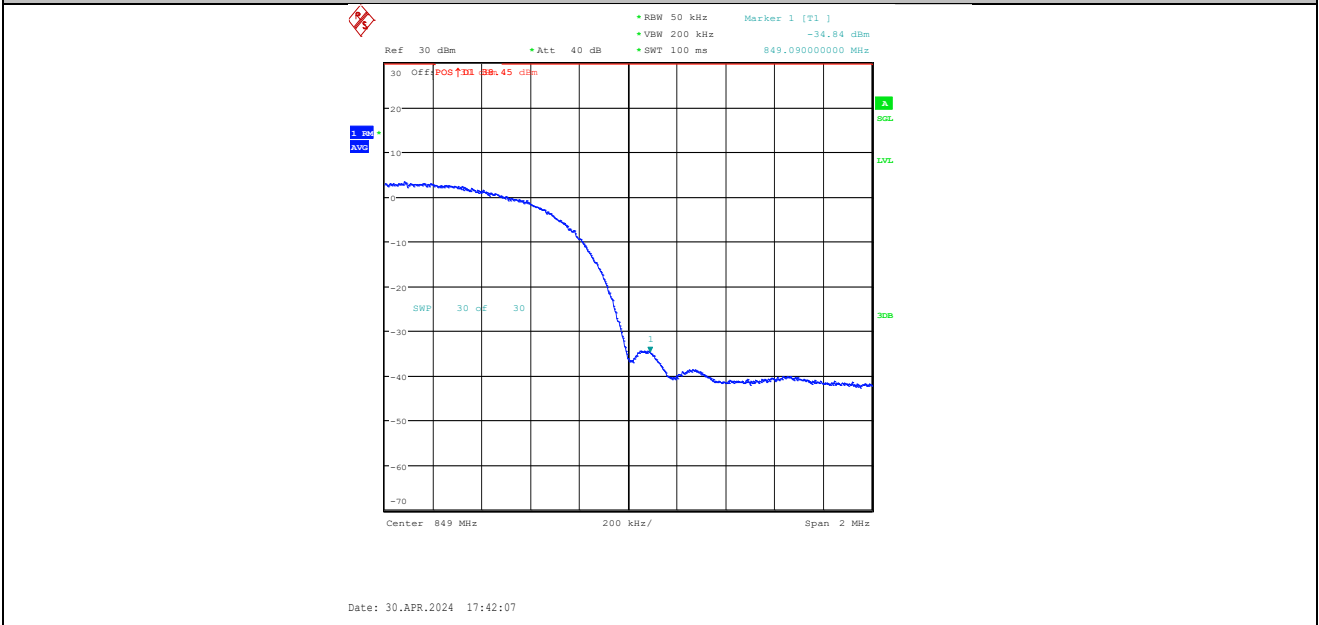
Band5-4132-4-PASS



Band5-4233-4-PASS



Band5-4132-5-PASS



Band5-4233-5-PASS

4.8 ERP, EIRP Measurement

Test Requirement:	FCC part22.913(a) and FCC part24.232(b), FCC part27.50(a)
Test Method:	FCC part2.1046
Limit:	GSM850, WCDMA Band V: 7W PCS1900, WCDMA Band II: 2W WCDMA Band IV: 1W
Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p> <p>Substituted method:</p>

<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was in communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP in frequency band 824.2 –848.8MHz were measured using a substitution method. The EUT was replaced by a dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows: $\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$ 4. EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$
<p>Test Instruments:</p>	<p>Refer to section 3 for details</p>
<p>Test mode:</p>	<p>Refer to section 4.1 for details</p>
<p>Test results:</p>	<p>Pass</p>

Measurement Data

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
GSM850 (GSM link)	Lowest	H	V	31.05	38.45	Pass
			H	32.64		
		E1	V	32.14		
			H	31.57		
		E2	V	32.64		
			H	31.57		
	Middle	H	V	31.01	38.45	Pass
			H	31.28		
		E1	V	30.57		
			H	31.14		
		E2	V	33.25		
			H	30.01		
	Highest	H	V	33.01	38.45	Pass
			H	32.61		
		E1	V	33.01		
			H	31.25		
		E2	V	32.61		
			H	30.14		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
GSM850 (GPRS 1 link)	Lowest	H	V	33.25	38.45	Pass
			H	32.01		
		E1	V	31.14		
			H	30.18		
		E2	V	32.51		
			H	30.14		
	Middle	H	V	32.74	38.45	Pass
			H	32.44		
		E1	V	32.14		
			H	30.17		
		E2	V	32.25		
			H	30.15		
	Highest	H	V	30.25	38.45	Pass
			H	31.47		
		E1	V	32.57		
			H	31.01		
		E2	V	32.52		
			H	31.55		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
GSM850 (EGPRS 1 link)	Lowest	H	V	32.58	38.45	Pass
			H	32.10		
		E1	V	33.41		
			H	30.14		
		E2	V	32.41		
			H	31.34		
	Middle	H	V	33.25	38.45	Pass
			H	32.12		
		E1	V	34.85		
			H	30.74		
		E2	V	32.74		
			H	32.10		
	Highest	H	V	33.41	38.45	Pass
			H	32.52		
		E1	V	32.01		
			H	30.41		
		E2	V	34.35		
			H	30.25		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
PCS1900 (GSM link)	Lowest	H	V	31.25	33.01	Pass
			H	29.61		
		E1	V	30.25		
			H	29.31		
		E2	V	30.76		
			H	30.35		
	Middle	H	V	32.01	33.01	Pass
			H	29.86		
		E1	V	31.05		
			H	30.25		
		E2	V	31.74		
			H	30.01		
	Highest	H	V	31.58	33.01	Pass
			H	29.68		
		E1	V	30.74		
			H	29.65		
		E2	V	31.25		
			H	30.74		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
PCS1900 (GPRS 1 link)	Lowest	H	V	32.41	33.01	Pass
			H	30.35		
		E1	V	30.01		
			H	29.42		
		E2	V	30.35		
			H	29.31		
	Middle	H	V	30.58	33.01	Pass
			H	29.86		
		E1	V	30.01		
			H	28.93		
		E2	V	31.41		
			H	28.25		
	Highest	H	V	31.52	33.01	Pass
			H	29.65		
		E1	V	30.14		
			H	29.85		
		E2	V	30.01		
			H	29.85		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
PCS1900 (EGPRS 1 link)	Lowest	H	V	30.28	33.01	Pass
			H	29.35		
		E1	V	28.32		
			H	28.05		
		E2	V	30.74		
			H	30.25		
	Middle	H	V	31.02	33.01	Pass
			H	29.68		
		E1	V	30.58		
			H	30.85		
		E2	V	29.86		
			H	28.12		
	Highest	H	V	30.85	33.01	Pass
			H	30.05		
		E1	V	29.96		
			H	28.32		
		E2	V	30.01		
			H	29.86		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
WCDMA Band V	Lowest	H	V	31.25	38.45	Pass
			H	30.58		
		E1	V	31.08		
			H	29.98		
		E2	V	30.36		
			H	29.86		
	Middle	H	V	30.15	38.45	Pass
			H	28.85		
		E1	V	31.25		
			H	29.68		
		E2	V	32.05		
			H	28.85		
	Highest	H	V	31.85	38.45	Pass
			H	29.61		
		E1	V	32.01		
			H	30.01		
		E2	V	30.74		
			H	29.32		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
WCDMA Band II	Lowest	H	V	26.31	33.01	Pass
			H	25.08		
		E1	V	24.12		
			H	24.86		
		E2	V	24.73		
			H	25.31		
	Middle	H	V	23.41	33.01	Pass
			H	24.89		
		E1	V	24.01		
			H	25.74		
		E2	V	24.74		
			H	24.01		
	Highest	H	V	25.74	33.01	Pass
			H	25.01		
		E1	V	24.58		
			H	23.01		
		E2	V	24.12		
			H	25.74		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
WCDMA Band IV	Lowest	H	V	25.68	33.01	Pass
			H	24.12		
		E1	V	25.01		
			H	23.44		
		E2	V	26.12		
			H	24.14		
	Middle	H	V	26.74	33.01	Pass
			H	25.45		
		E1	V	26.58		
			H	24.01		
		E2	V	25.35		
			H	24.54		
	Highest	H	V	24.86	33.01	Pass
			H	24.13		
		E1	V	24.25		
			H	24.75		
		E2	V	24.01		
			H	23.86		

4.9 Field strength of spurious radiation measurement

Test Requirement:	FCC part22.917(a) and FCC part24.238(a), FCC part27.55(a)
Test Method:	FCC part2.1053
Limit:	-13dBm
Test setup:	<p>Below 1GHz</p> <p>Above 1GHz</p> <p>Substituted method:</p>

Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Measurement Data

Test mode:	GSM850		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1648.24	Vertical	-32.42	-13.00	Pass
2472.31	V	-33.12		
3297.13	V	-37.45		
4121.53	V	-42.54		
4947.20	V	---		
1649.10	Horizontal	-38.64	-13.00	Pass
2472.24	H	-40.41		
3297.48	H	-43.86		
4130.25	H	-46.45		
4947.31	H	---		
Test mode:	GSM850		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1673.12	Vertical	-31.05	-13.00	Pass
2509.56	V	-32.85		
3346.01	V	-35.52		
4184.35	V	-40.41		
5020.28	V	---		
1658.14	Horizontal	-36.52	-13.00	Pass
2510.32	H	-40.85		
3356.10	H	-42.42		
4184.35	H	-40.74		
5019.28	H	---		
Test mode:	GSM850		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.85	Vertical	-35.85	-13.00	Pass
2547.31	V	-36.21		
3396.38	V	-35.12		
4243.05	V	-40.12		
5093.31	V	---		
1686.74	Horizontal	-37.05	-13.00	Pass
2547.21	H	-40.12		
3397.01	H	-42.42		
4253.35	H	-43.07		
5093.14	H	---		

Test mode:	PCS1900		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3700.12	Vertical	-34.05	-13.00	Pass
5550.25	V	-35.62		
7400.12	V	-34.85		
9251.41	V	-40.12		
11101.31	V	---		
3700.23	Horizontal	-35.85	-13.00	Pass
5550.31	H	-40.12		
7400.85	H	-40.52		
9251.41	H	-43.11		
11101.01	H	---		
Test mode:	PCS1900		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.12	Vertical	-34.25	-13.00	Pass
5640.53	V	-36.12		
7520.57	V	-37.35		
9400.12	V	-41.85		
11280.01	V	---		
3760.74	Horizontal	-38.93	-13.00	Pass
5640.35	H	-41.28		
7520.32	H	-45.01		
9400.85	H	-43.32		
11280.12	H	---		
Test mode:	PCS1900		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3861.52	Vertical	-35.61	-13.00	Pass
5730.85	V	-33.52		
7685.61	V	-32.74		
9531.52	V	-40.74		
11425.61	V	---		
3838.61	Horizontal	-36.85	-13.00	Pass
5776.21	H	-40.25		
7628.61	H	-41.58		
9551.52	H	-43.85		
11433.52	H	---		

Test mode:	WCDMA Band V		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1663.51	Vertical	-32.51	-13.00	Pass
2475.38	V	-33.85		
3325.41	V	-33.51		
4128.61	V	-40.15		
4948.61	V	---		
1632.58	Horizontal	-35.67	-13.00	Pass
2412.54	H	-40.31		
3335.85	H	-40.85		
4101.52	H	-40.12		
4975.51	H	---		
Test mode:	WCDMA Band V		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1653.51	Vertical	-32.61	-13.00	Pass
2512.51	V	-35.62		
3375.63	V	-33.52		
4175.60	V	-40.14		
5028.47	V	---		
1631.25	Horizontal	-33.52	-13.00	Pass
2510.58	H	-41.52		
3375.25	H	-40.12		
4101.31	H	-42.41		
5028.67	H	---		
Test mode:	WCDMA Band V		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1657.61	Vertical	-33.82	-13.00	Pass
2525.12	V	-35.61		
3375.61	V	-33.01		
4222.17	V	-40.74		
5080.35	V	---		
1675.61	Horizontal	-32.71	-13.00	Pass
2540.12	H	-40.52		
3382.31	H	-39.61		
4212.52	H	-40.52		
5080.12	H	---		

Test mode:	WCDMA Band II		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3712.51	Vertical	-33.24	-13.00	Pass
5525.61	V	-32.82		
7412.75	V	-35.61		
9238.61	V	-40.52		
11128.61	V	---		
3735.61	Horizontal	-33.52	-13.00	Pass
5527.91	H	-40.25		
7410.25	H	-40.14		
9261.82	H	-40.42		
11128.12	H	---		
Test mode:	WCDMA Band II		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3726.12	Vertical	-32.12	-13.00	Pass
5628.61	V	-32.84		
7535.74	V	-31.27		
9401.12	V	-40.27		
11253.02	V	---		
3728.74	Horizontal	-36.52	-13.00	Pass
5635.12	H	-41.05		
7538.54	H	-42.74		
9427.61	H	-42.01		
11238.61	H	---		
Test mode:	WCDMA Band II		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3826.31	Vertical	-33.22	-13.00	Pass
5712.78	V	-31.21		
7628.45	V	-33.52		
9528.01	V	-40.28		
11431.52	V	---		
3828.74	Horizontal	-36.12	-13.00	Pass
5721.82	H	-40.25		
7682.12	H	-42.32		
9512.74	H	-43.28		
11442.25	H	---		

Test mode:	WCDMA Band IV		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3512.85	Vertical	-32.63	-13.00	Pass
5128.51	V	-34.52		
10236.51	V	-33.01		
15459.31	V	-40.65		
3085.62	V	---		
4056.45	Horizontal	-35.61	-13.00	Pass
5631.52	H	-40.12		
10235.27	H	-41.85		
15463.53	H	-42.85		
30845.31	H	---		
Test mode:	WCDMA Band IV		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3480.63	Vertical	-32.53	-13.00	Pass
5220.21	V	-33.01		
10440.83	V	-32.74		
15660.27	V	-40.51		
31320.12	V	---		
3480.28	Horizontal	-35.96	-13.00	Pass
5220.12	H	-39.61		
10440.83	H	-38.74		
15660.47	H	-38.01		
31320.12	H	---		
Test mode:	WCDMA Band IV		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3503.52	Vertical	-35.61	-13.00	Pass
5245.31	V	-33.28		
10525.12	V	-33.12		
15731.25	V	-40.01		
31538.30	V	---		
3502.74	Horizontal	-35.61	-13.00	Pass
5256.21	H	-41.08		
10510.28	H	-42.12		
15729.12	H	-40.41		
31503.12	H	---		

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Remark"---" means that the emission level is too low to be measured
3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.