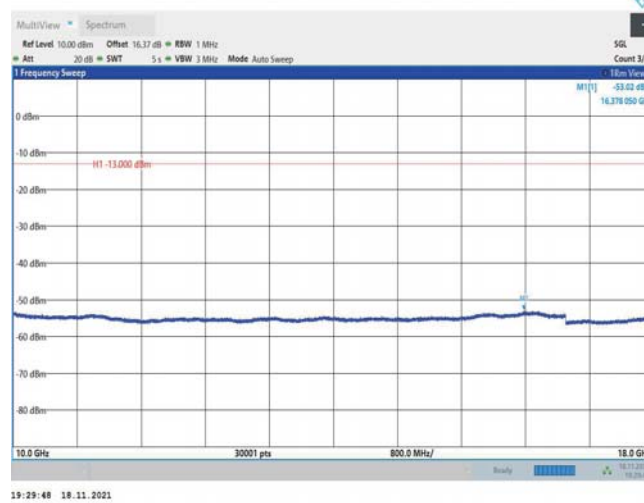
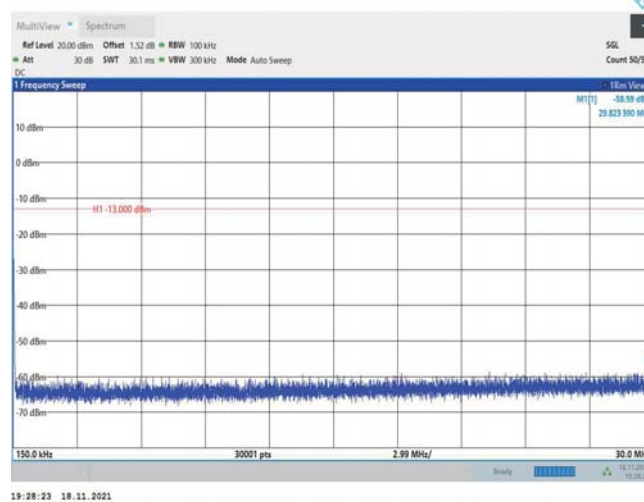




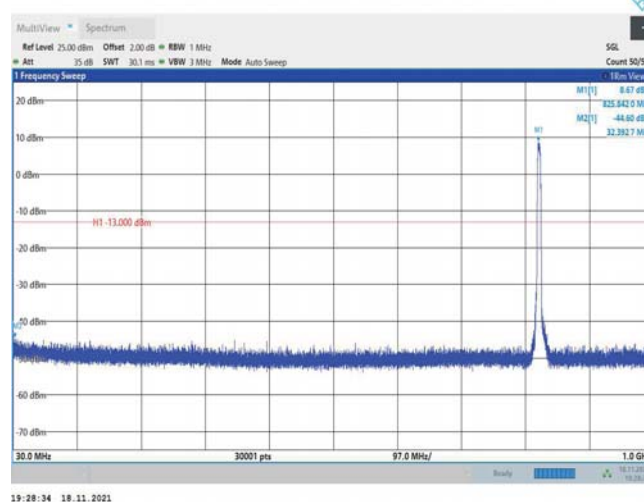
Band5-4132-3-10000~18000MHz



Band5-4132-3-0.15~30MHz

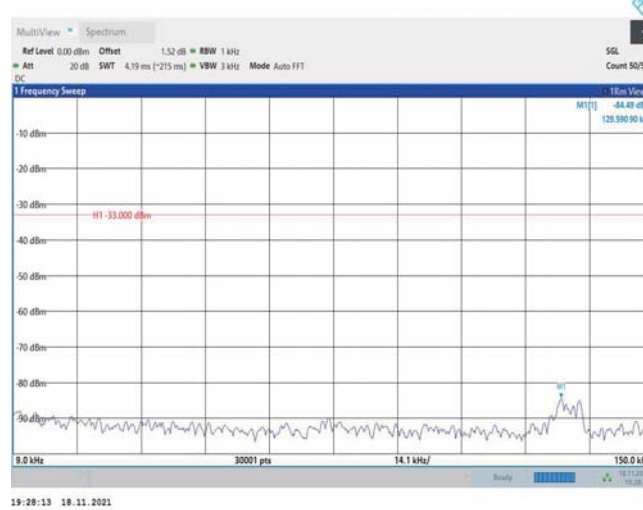


Band5-4132-3-30~1000MHz

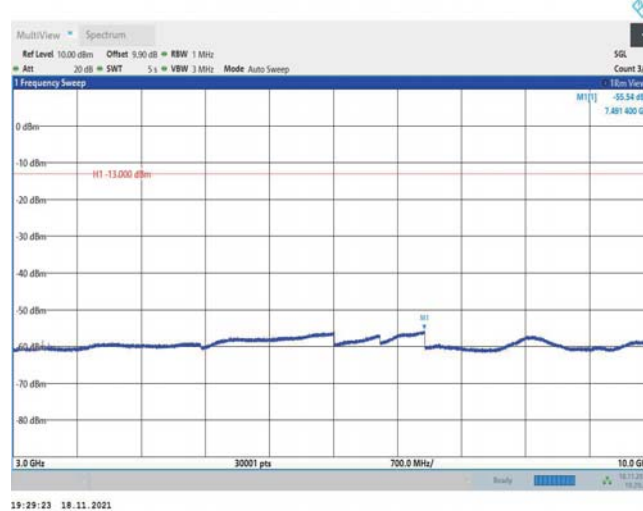




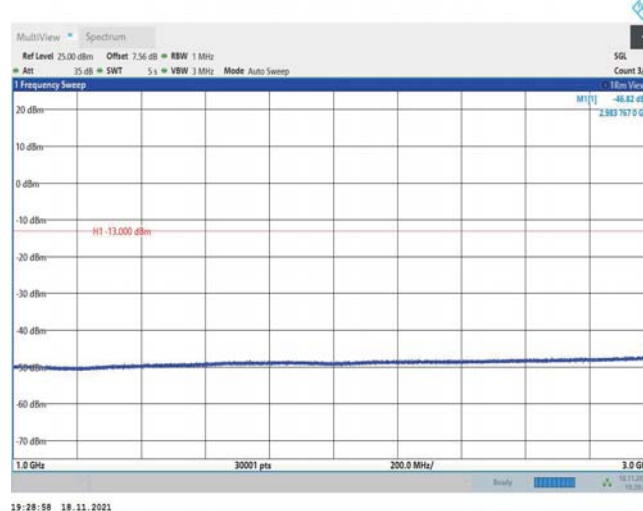
Band5-4132-3-0.009~0.15MHz



Band5-4132-3-3000~10000MHz

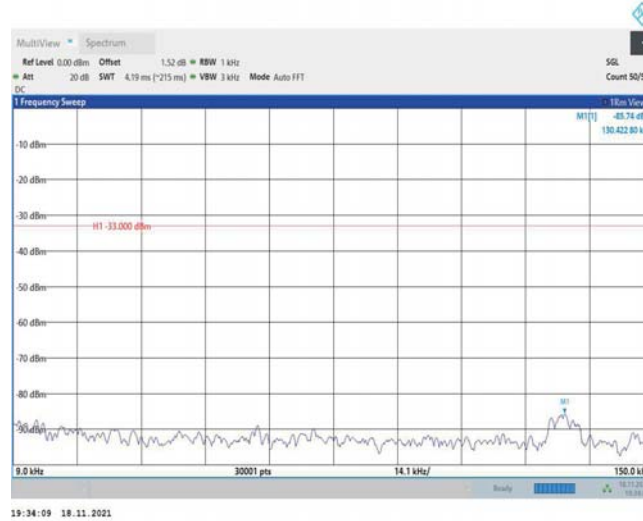


Band5-4132-3-1000~3000MHz

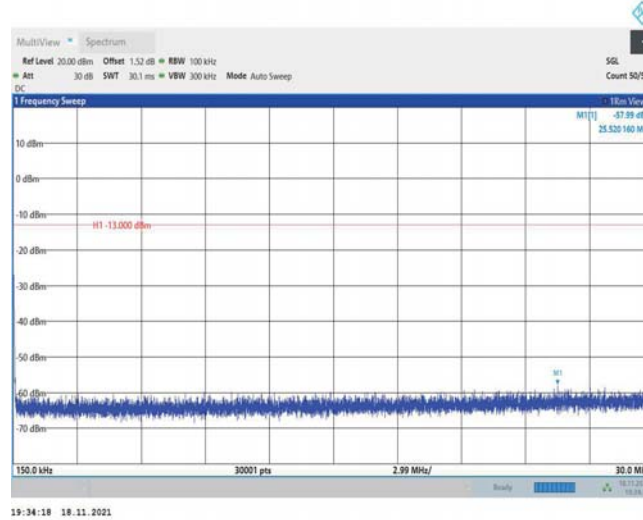




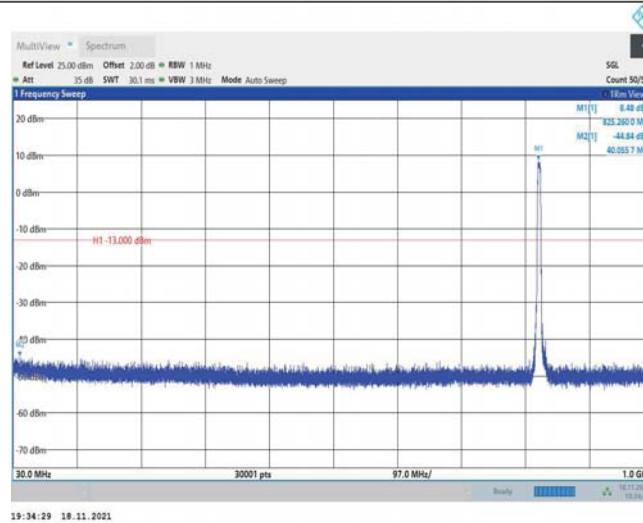
Band5-4132-4-0.009~0.15MHz



Band5-4132-4-0.15~30MHz

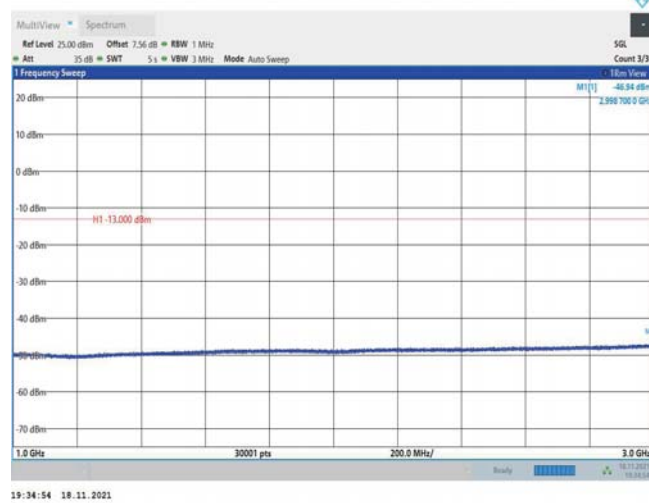


Band5-4132-4-30~1000MHz

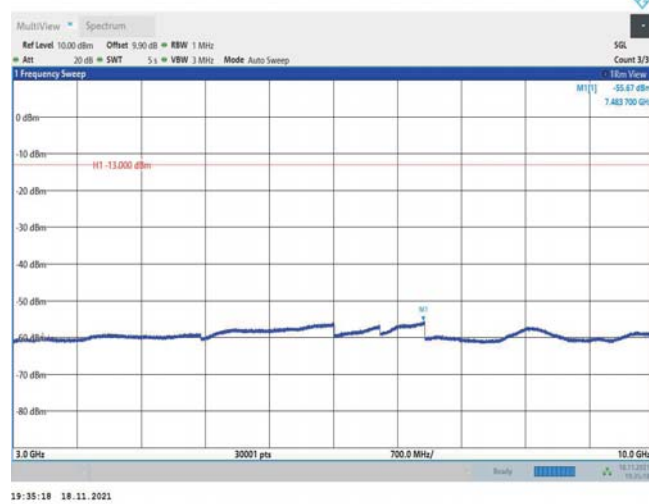




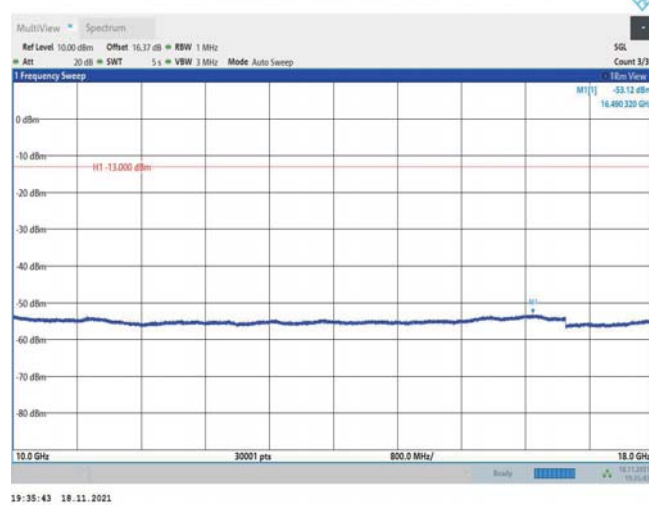
Band5-4132-4-1000~3000MHz



Band5-4132-4-3000~10000MHz

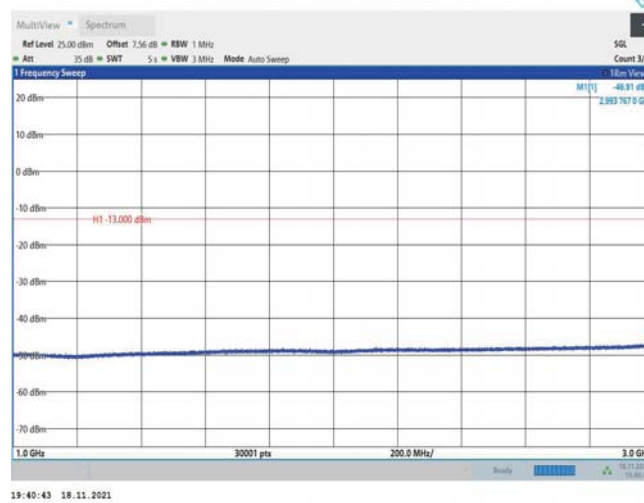


Band5-4132-4-10000~18000MHz

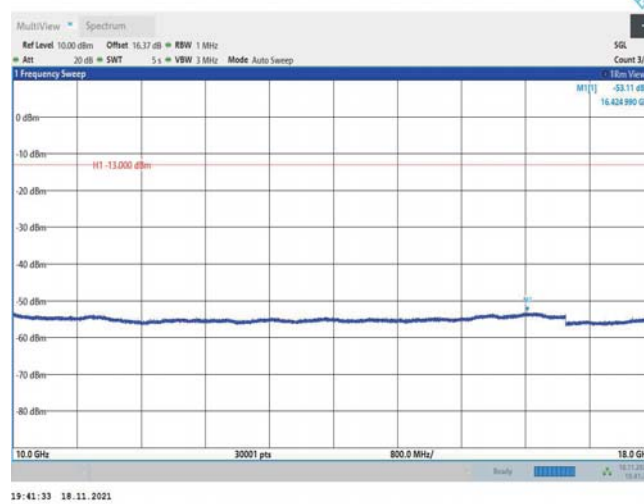




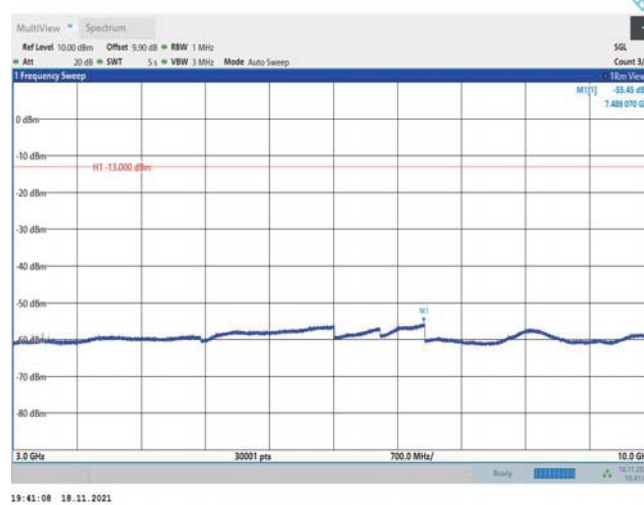
Band5-4132-5-1000~3000MHz



Band5-4132-5-10000~18000MHz

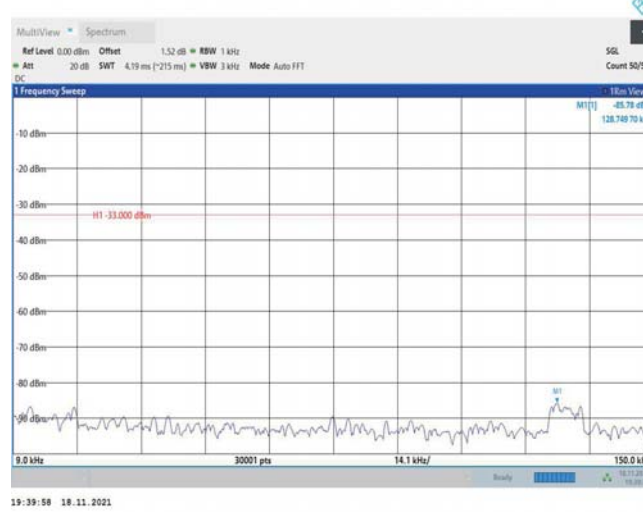


Band5-4132-5-3000~10000MHz

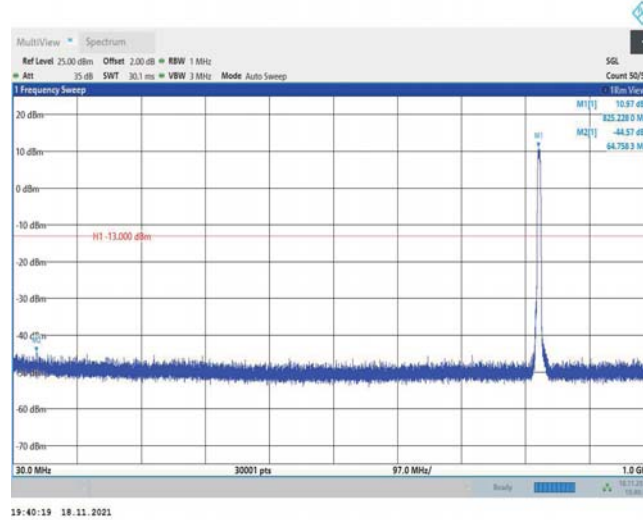




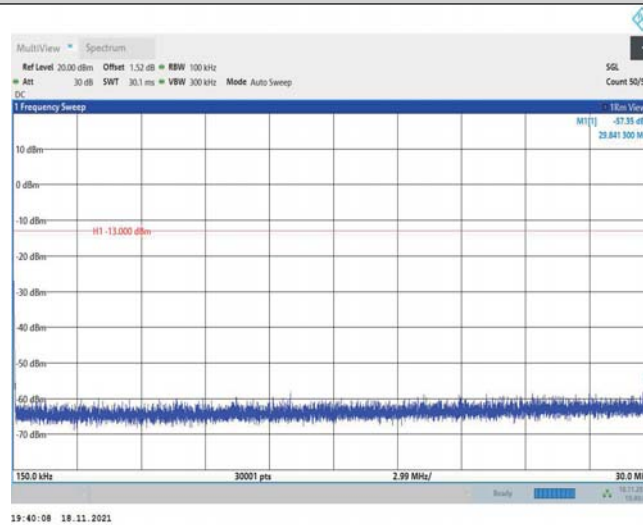
Band5-4132-5-0.009~0.15MHz



Band5-4132-5-30~1000MHz

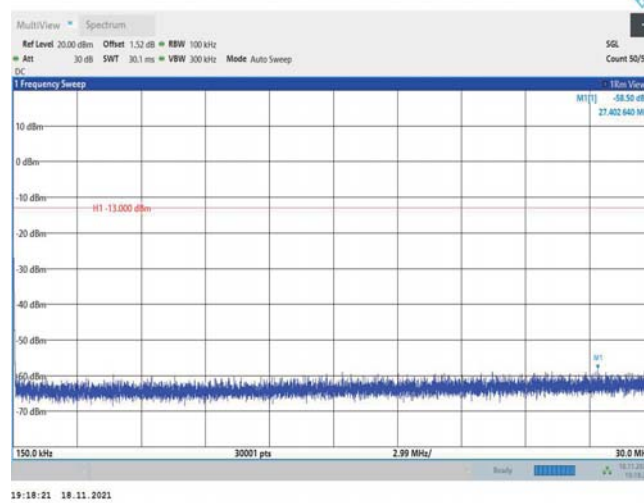


Band5-4132-5-0.15~30MHz

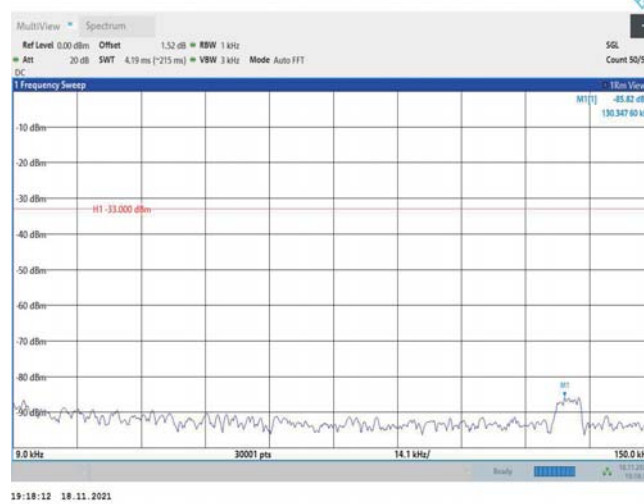




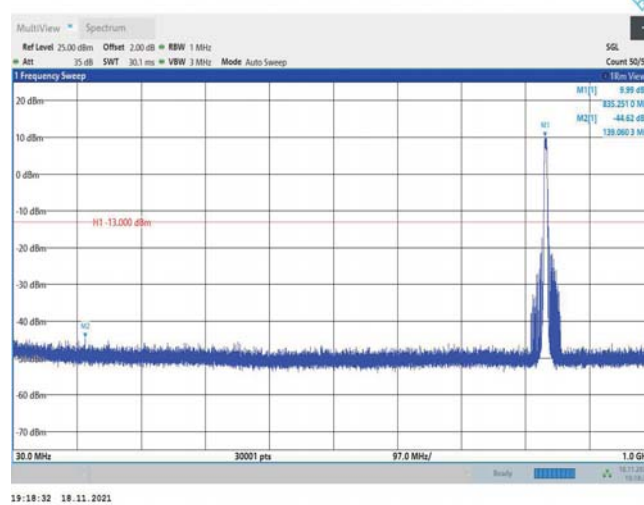
Band5-4182-1-0.15~30MHz

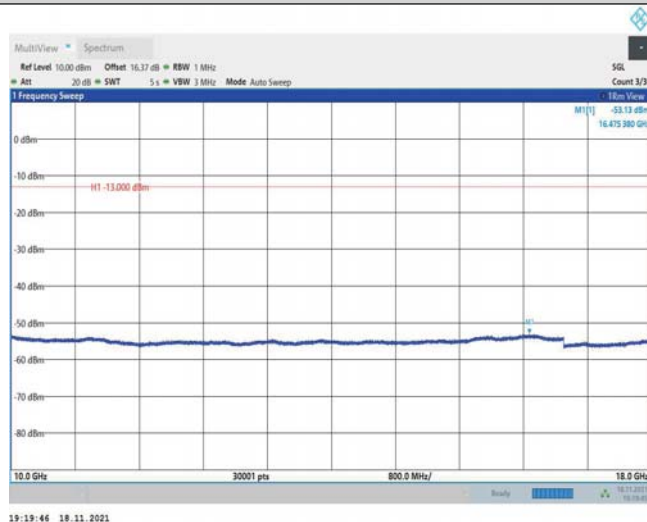
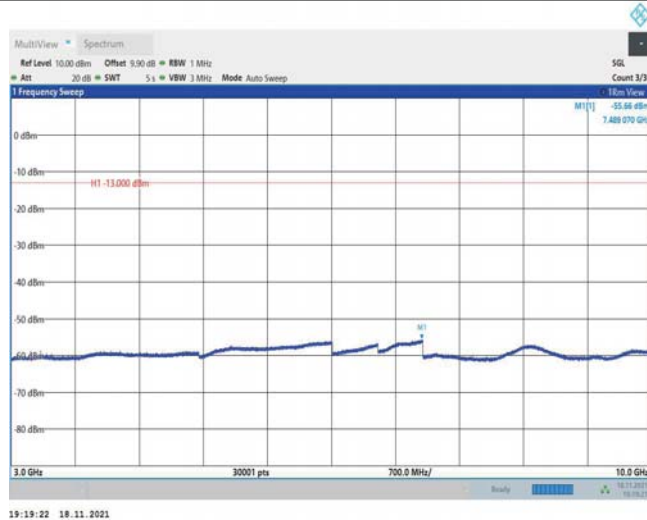
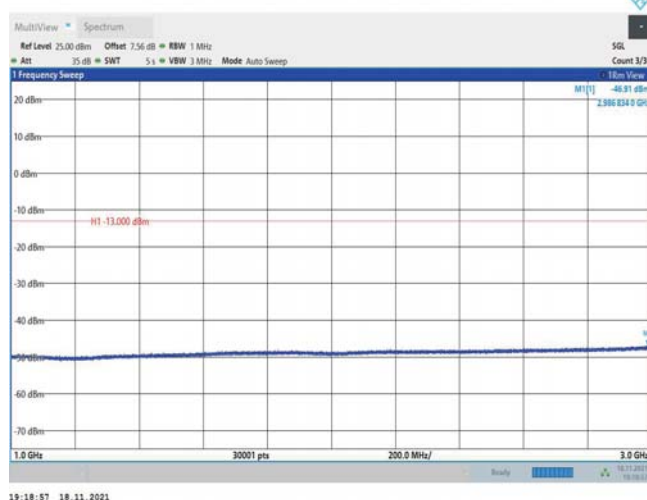


Band5-4182-1-0.009~0.15MHz



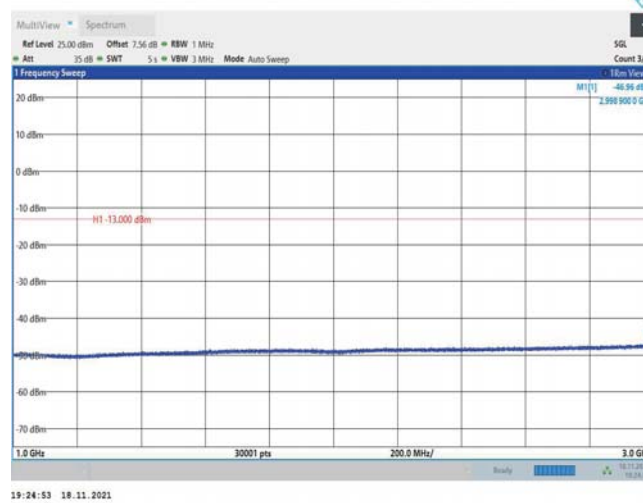
Band5-4182-1-30~1000MHz



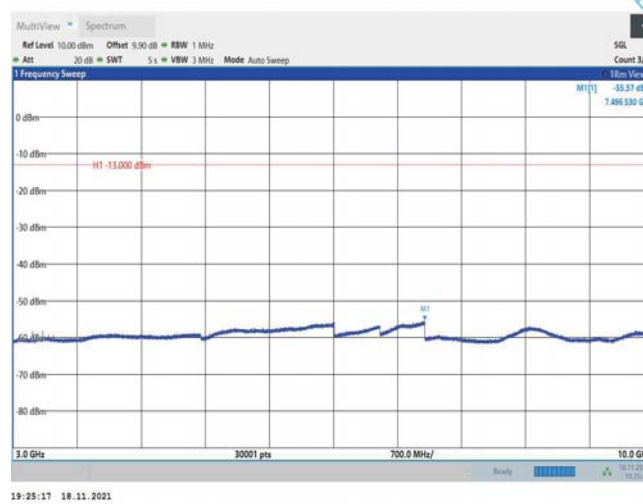




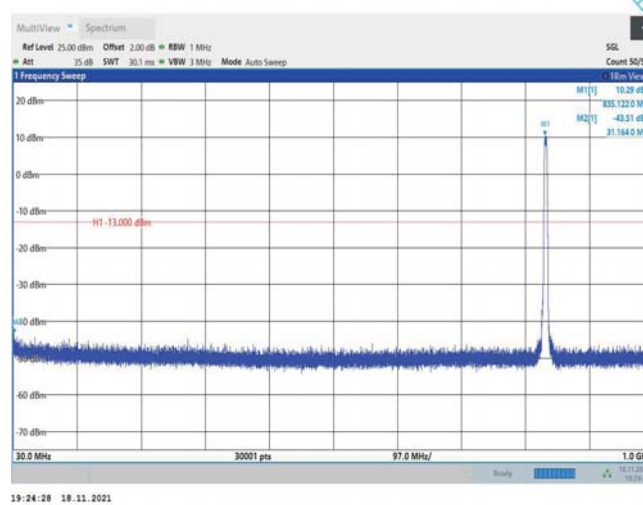
Band5-4182-2-1000~3000MHz



Band5-4182-2-3000~10000MHz

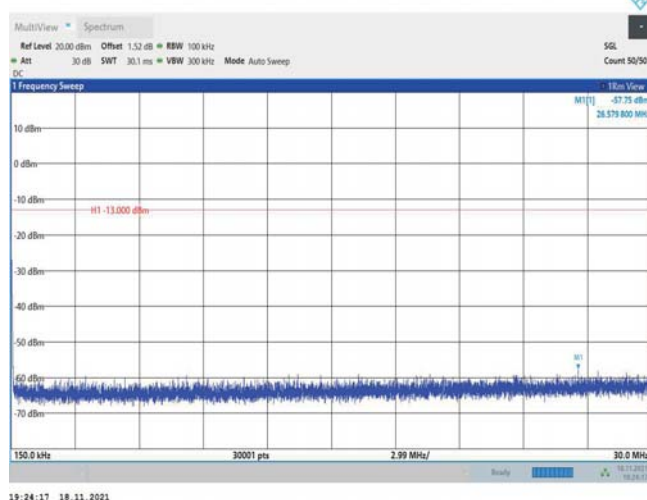


Band5-4182-2-30~1000MHz

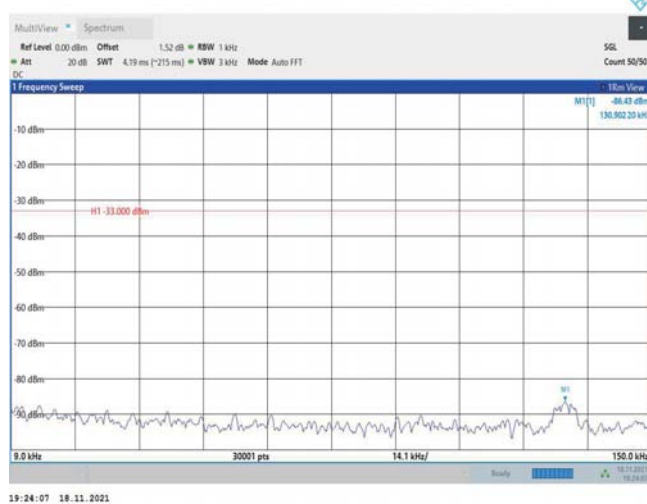




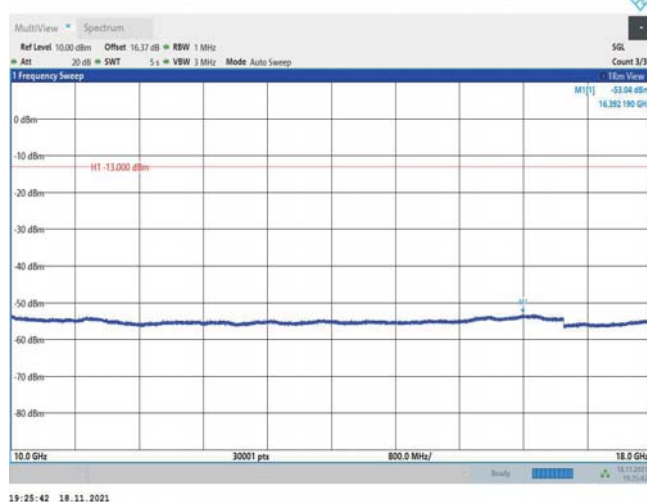
Band5-4182-2-0.15~30MHz



Band5-4182-2-0.009~0.15MHz

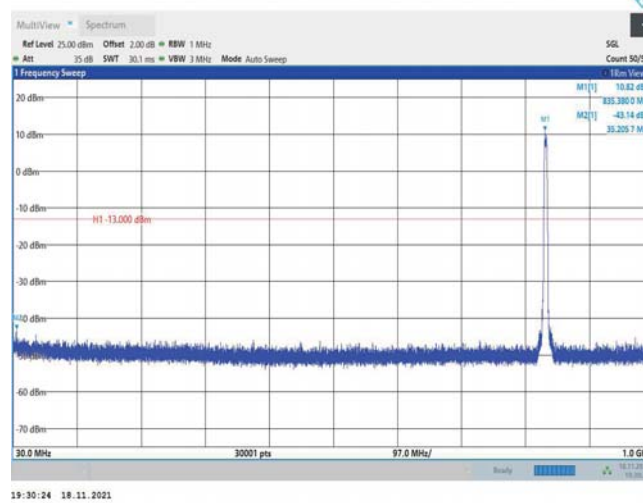


Band5-4182-2-10000~18000MHz

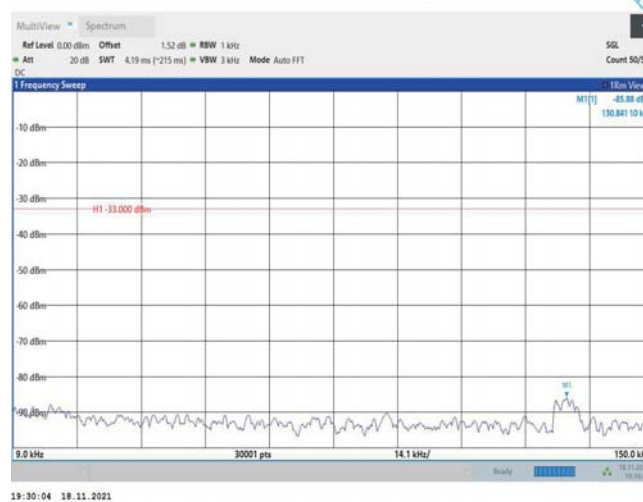




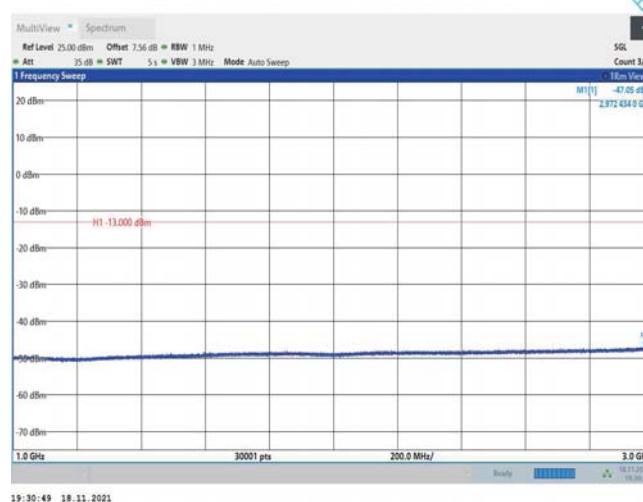
Band5-4182-3-30~1000MHz



Band5-4182-3-0.009~0.15MHz

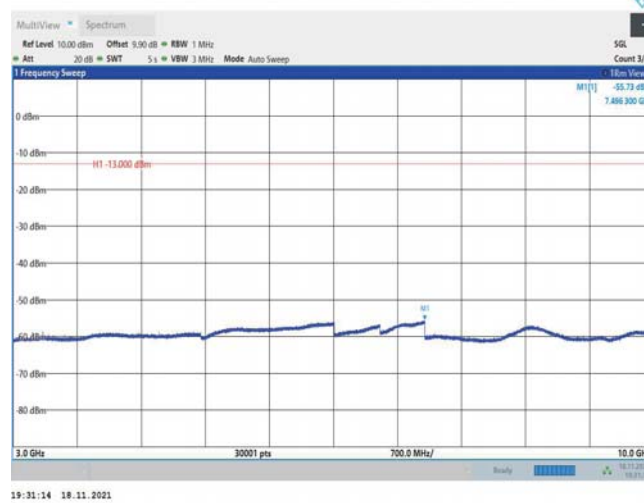


Band5-4182-3-1000~3000MHz

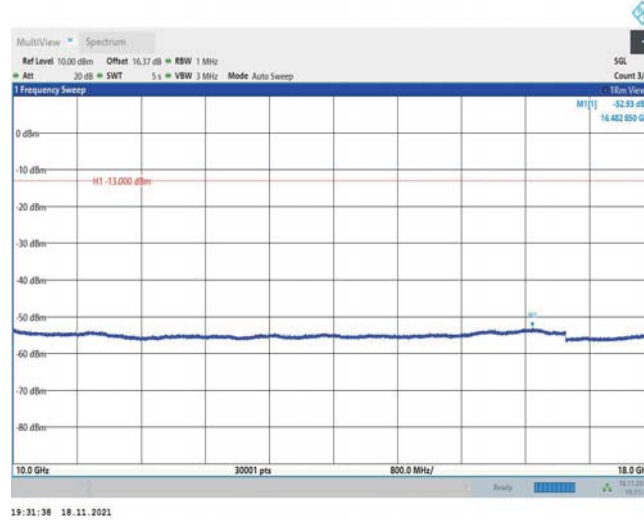




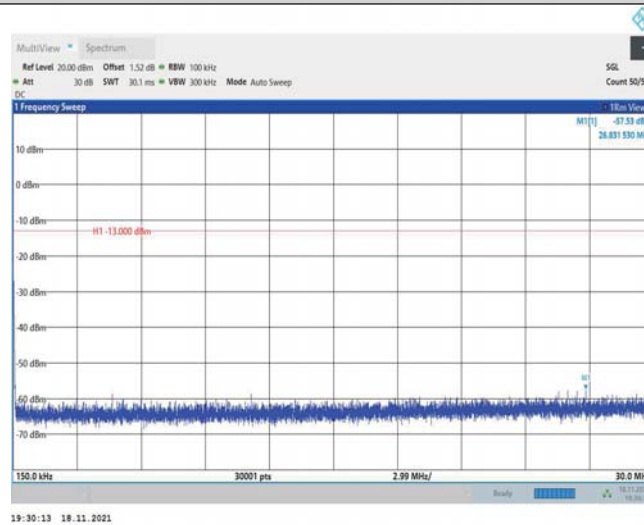
Band5-4182-3-3000~10000MHz



Band5-4182-3-10000~18000MHz

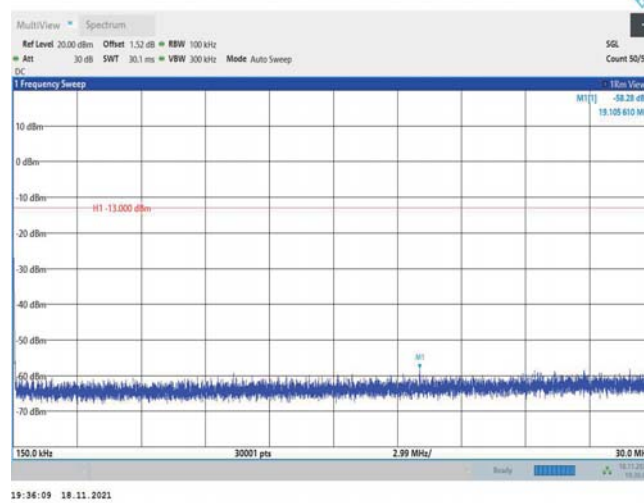


Band5-4182-3-0.15~30MHz

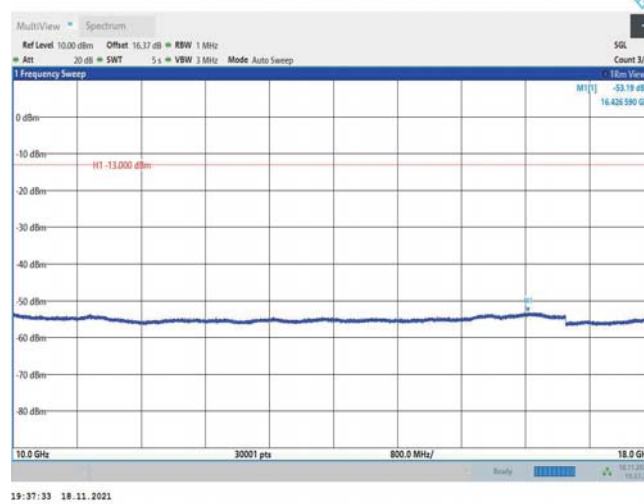




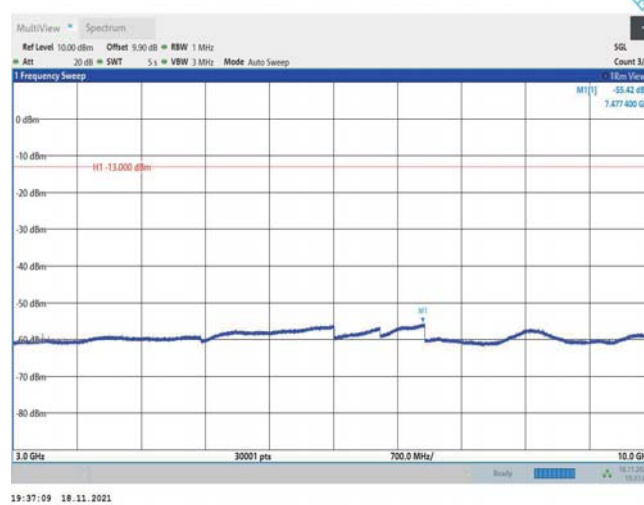
Band5-4182-4-0.15~30MHz



Band5-4182-4-10000~18000MHz

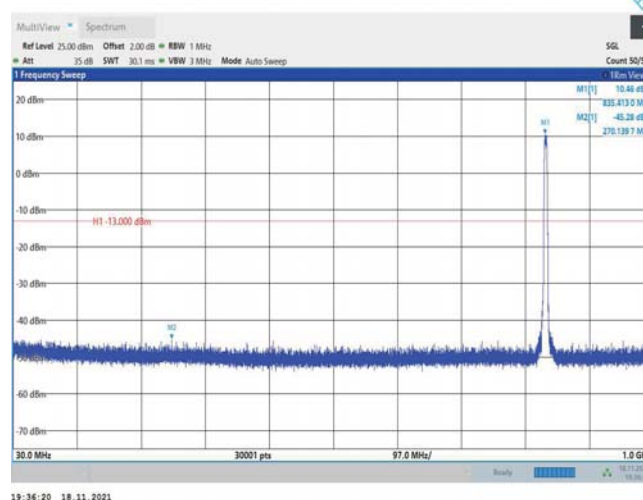


Band5-4182-4-3000~10000MHz

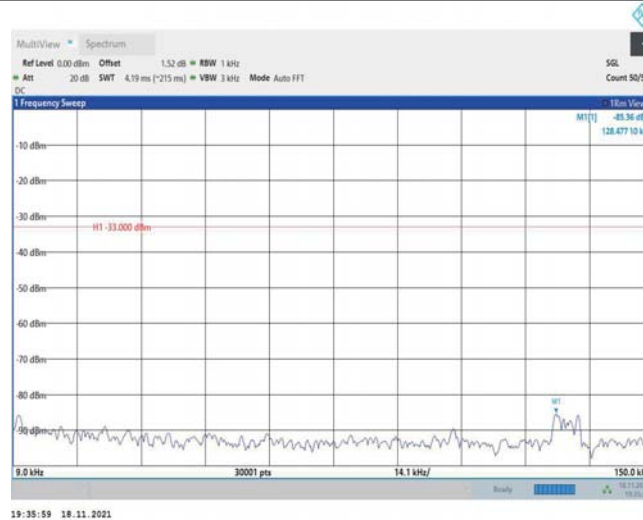




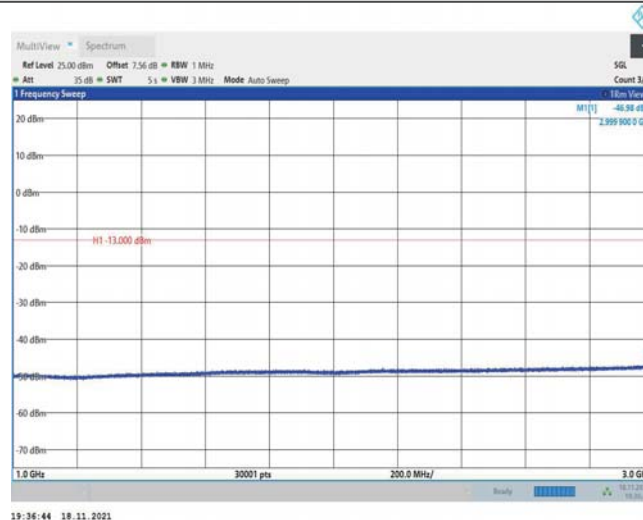
Band5-4182-4-30~1000MHz



Band5-4182-4-0.009~0.15MHz

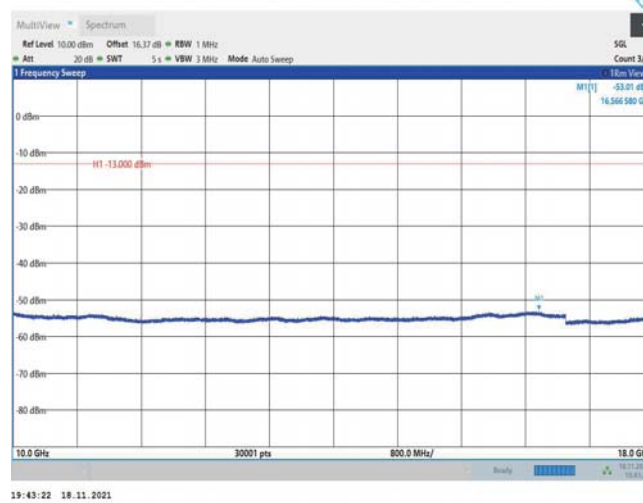


Band5-4182-4-1000~3000MHz

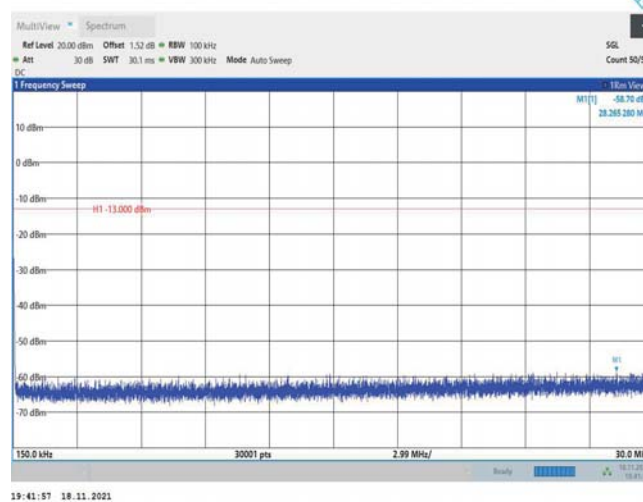




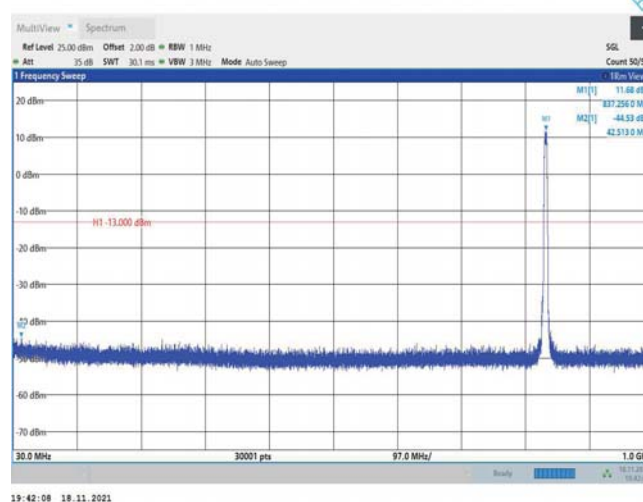
Band5-4182-5-10000~18000MHz

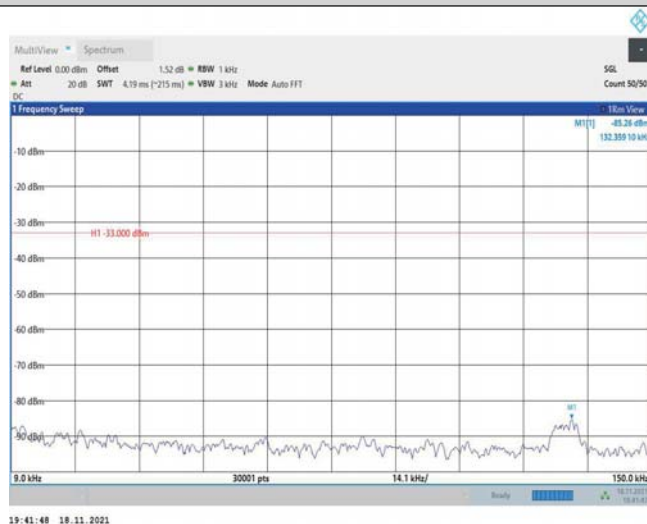
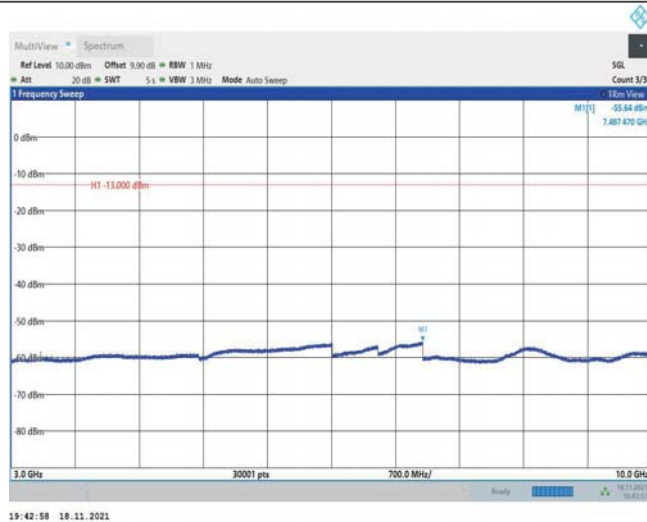
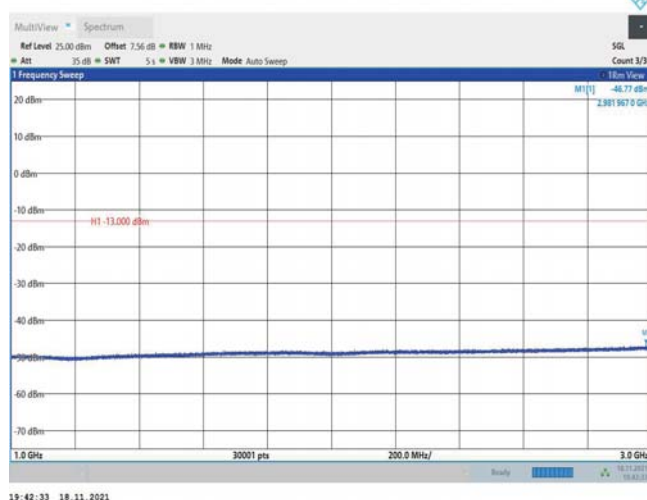


Band5-4182-5-0.15~30MHz



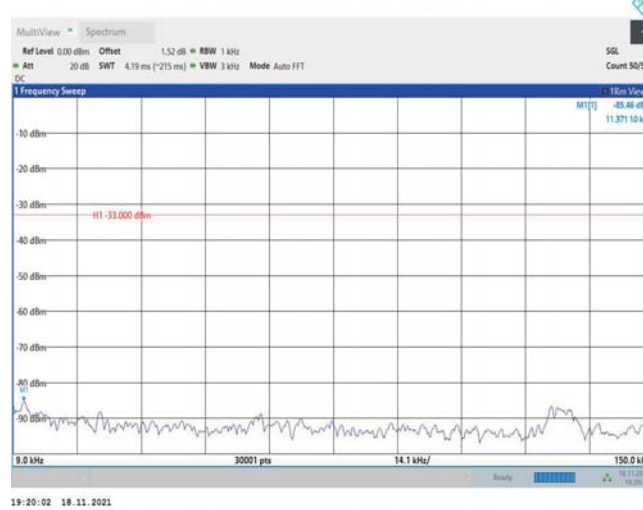
Band5-4182-5-30~1000MHz



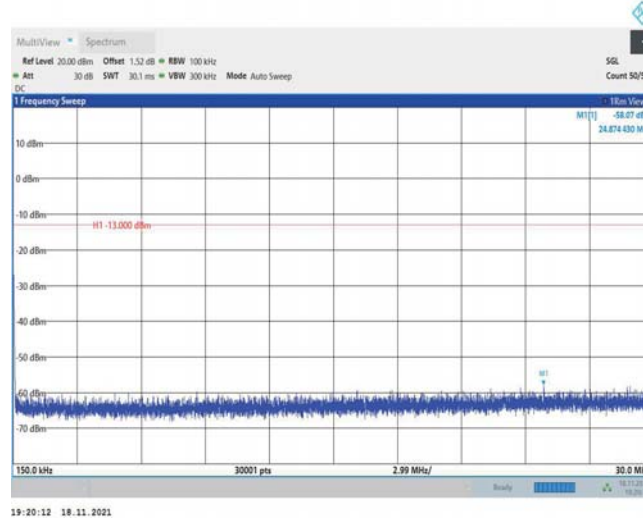




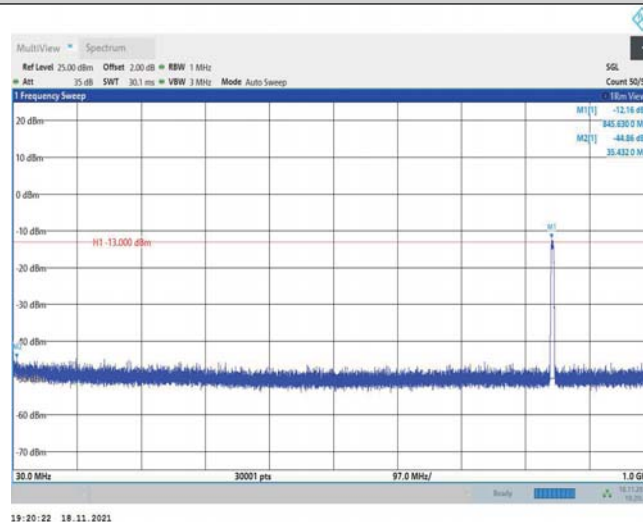
Band5-4233-1-0.009~0.15MHz



Band5-4233-1-0.15~30MHz

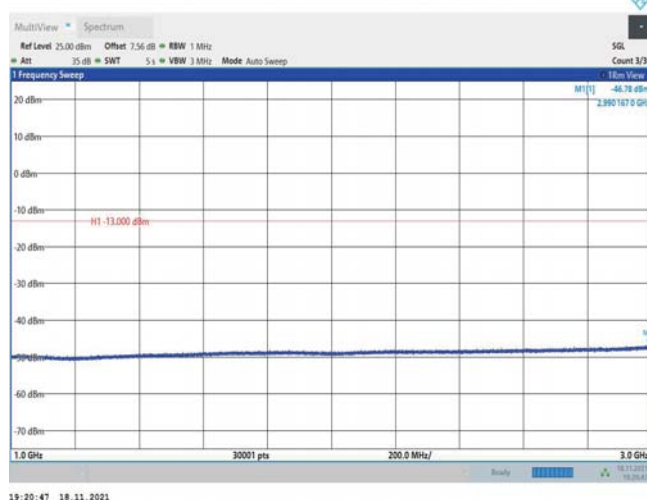


Band5-4233-1-30~1000MHz

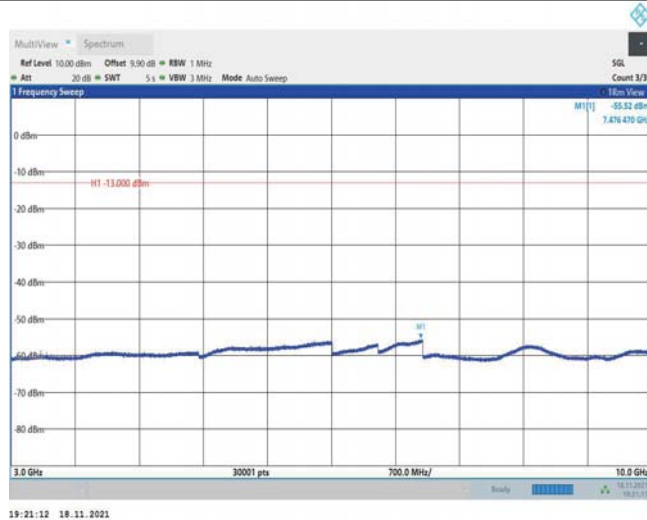




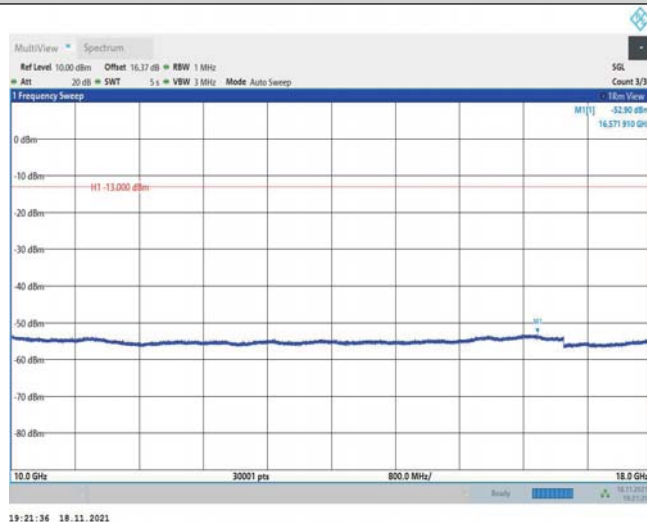
Band5-4233-1-1000~3000MHz



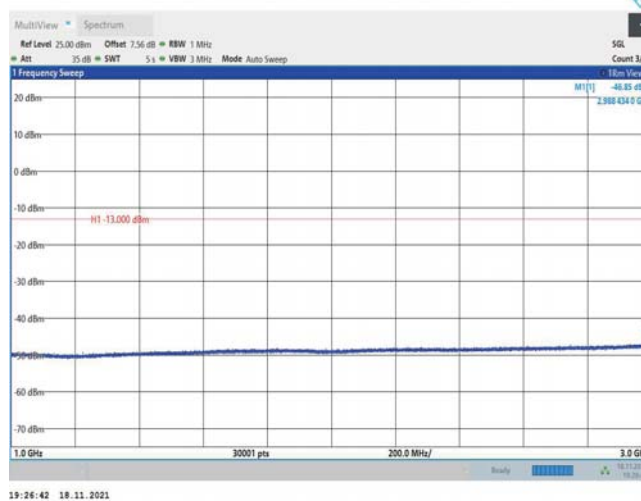
Band5-4233-1-3000~10000MHz



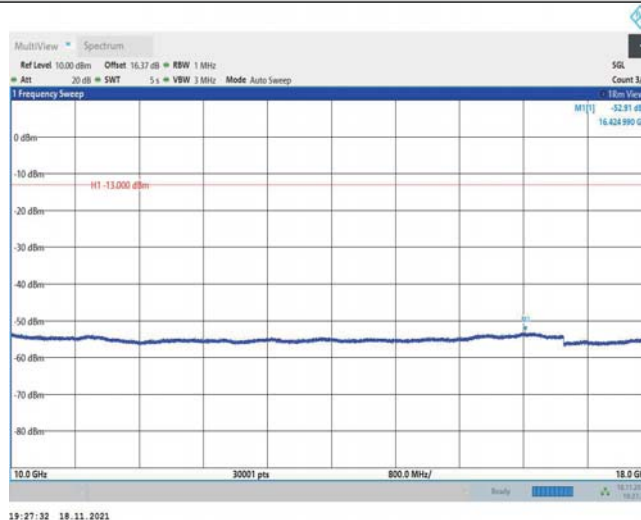
Band5-4233-1-10000~18000MHz



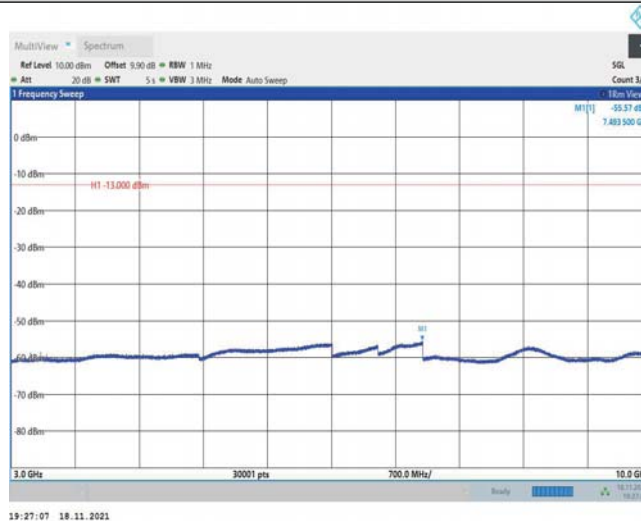
Band5-4233-2-1000~3000MHz



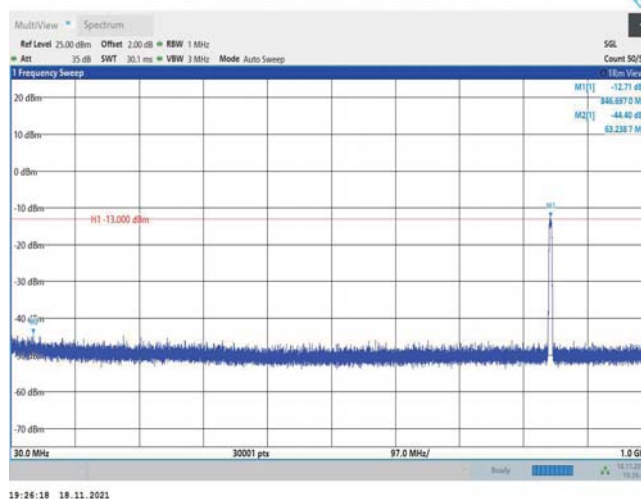
Band5-4233-2-10000~18000MHz



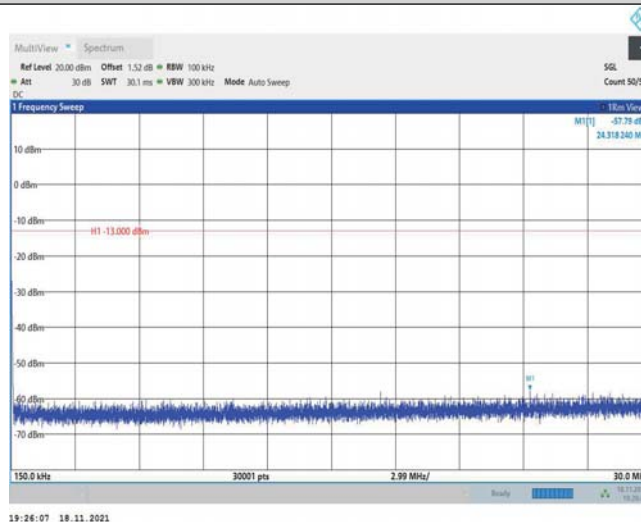
Band5-4233-2-3000~10000MHz



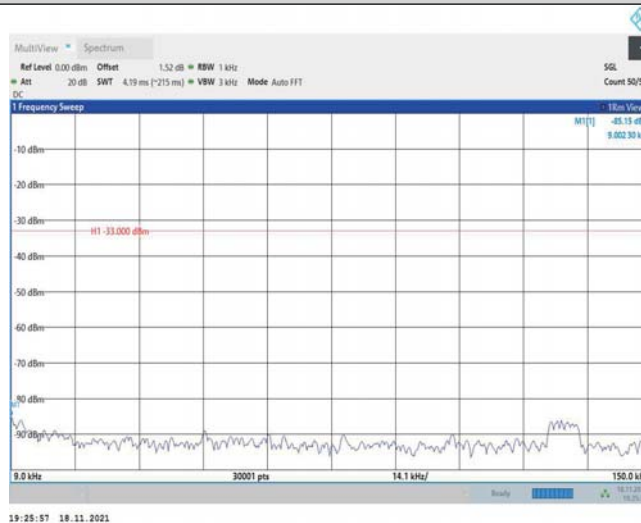
Band5-4233-2-30~1000MHz



Band5-4233-2-0.15~30MHz

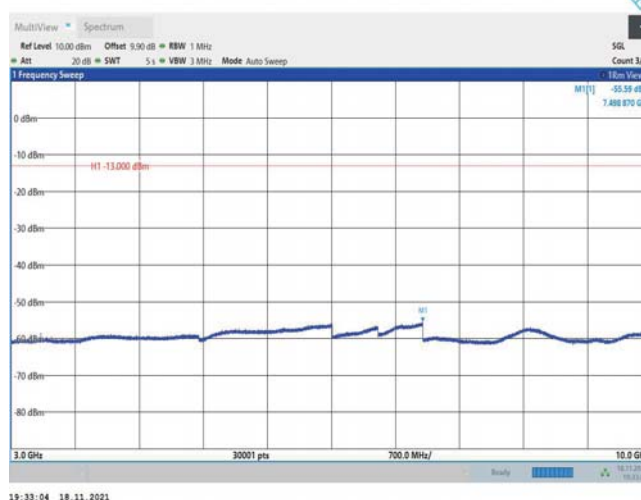


Band5-4233-2-0.009~0.15MHz

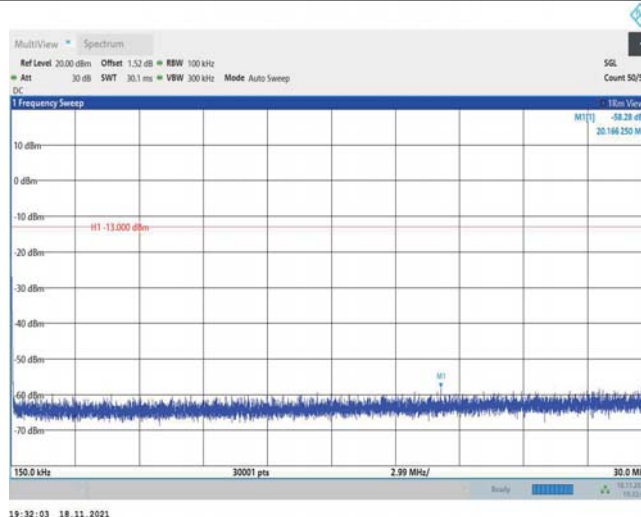




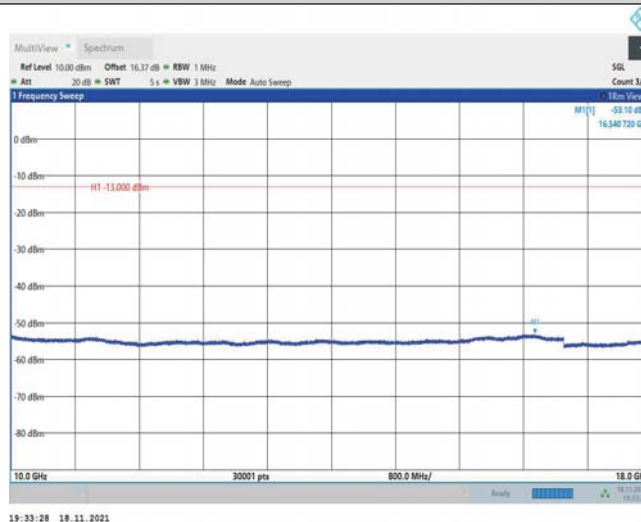
Band5-4233-3-3000~10000MHz



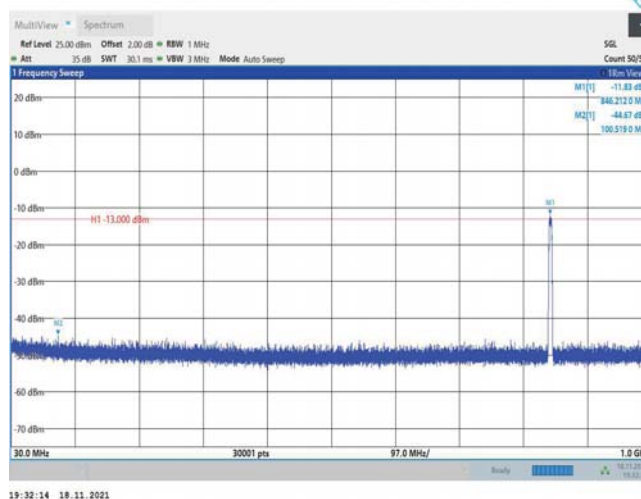
Band5-4233-3-0.15~30MHz



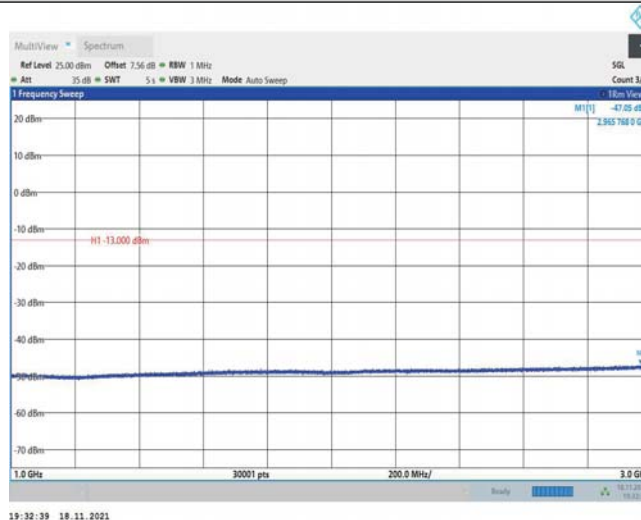
Band5-4233-3-10000~18000MHz



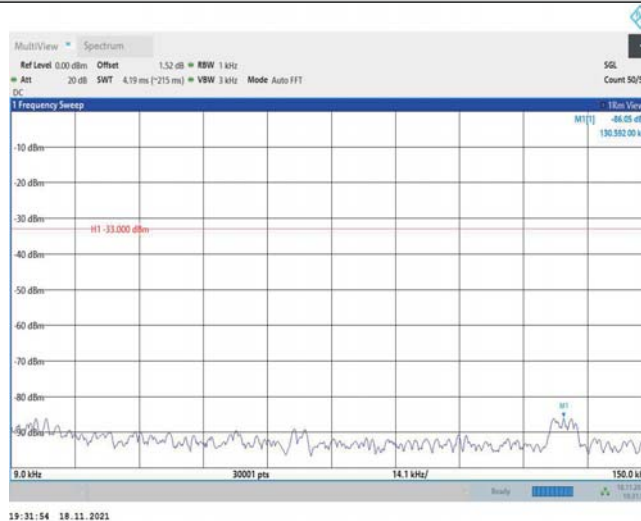
Band5-4233-3-30~1000MHz



Band5-4233-3-1000~3000MHz

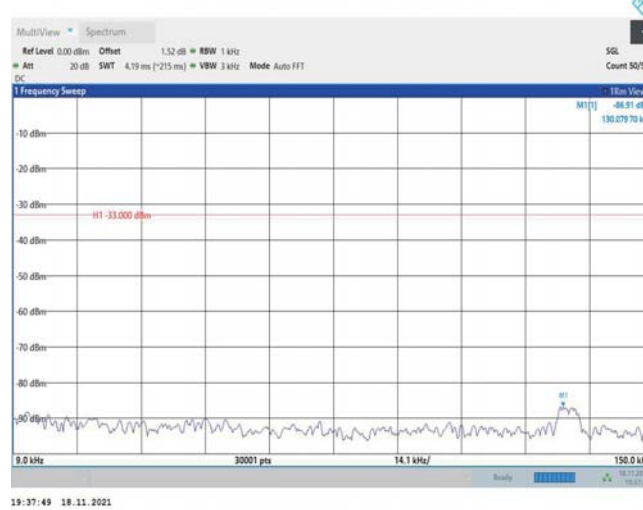


Band5-4233-3-0.009~0.15MHz

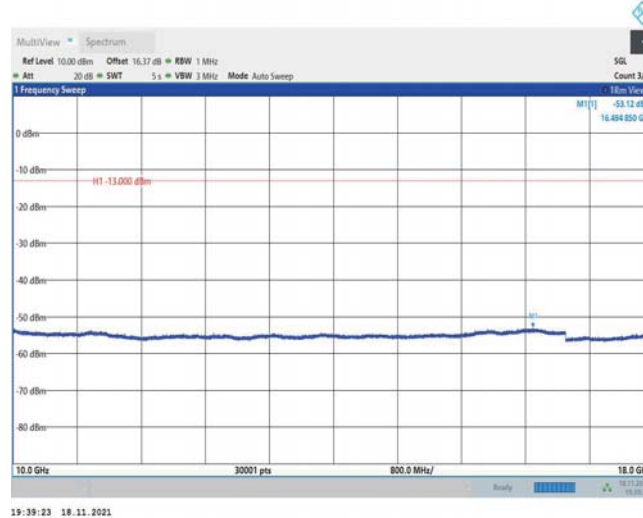




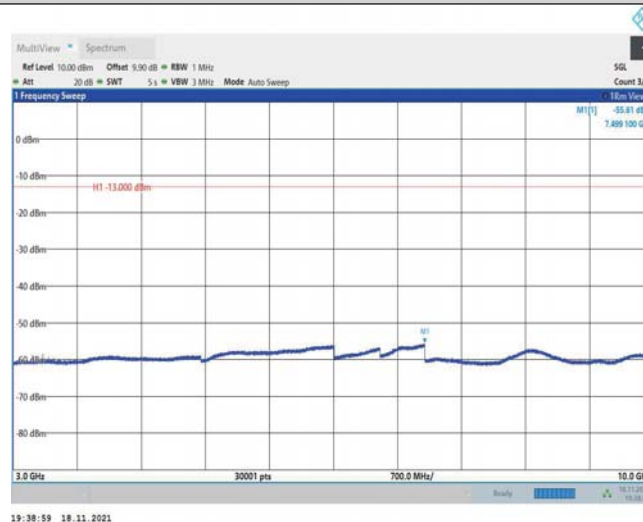
Band5-4233-4-0.009~0.15MHz



Band5-4233-4-10000~18000MHz

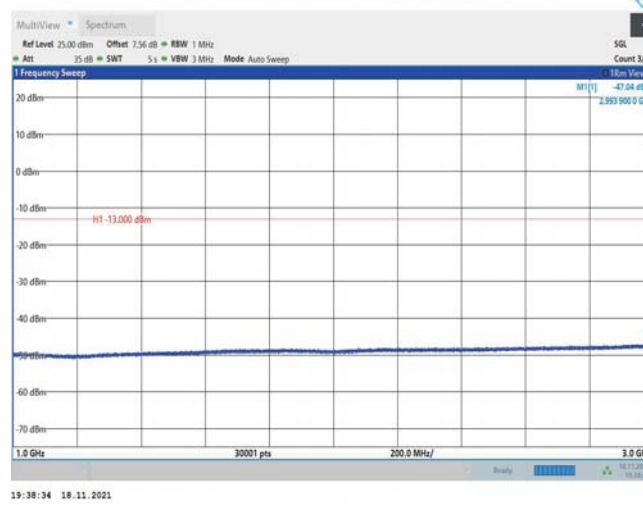


Band5-4233-4-3000~10000MHz

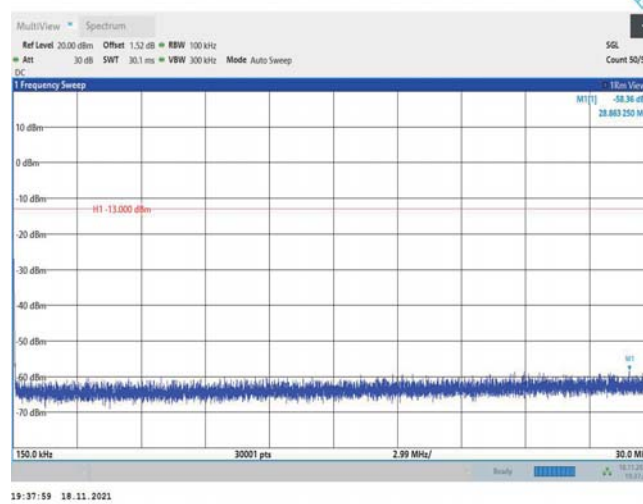




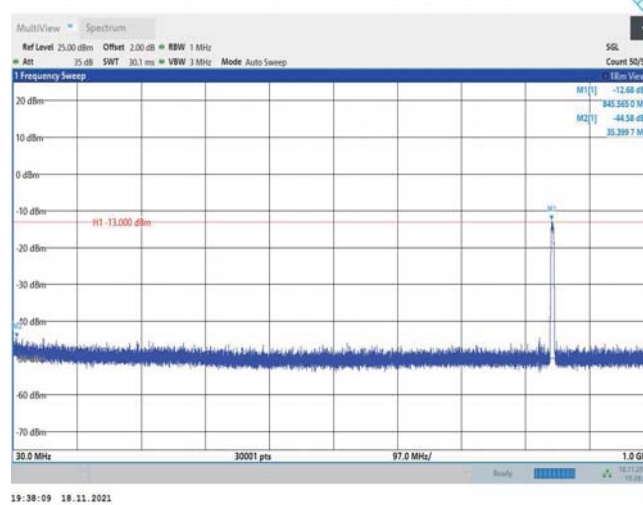
Band5-4233-4-1000~3000MHz



Band5-4233-4-0.15~30MHz

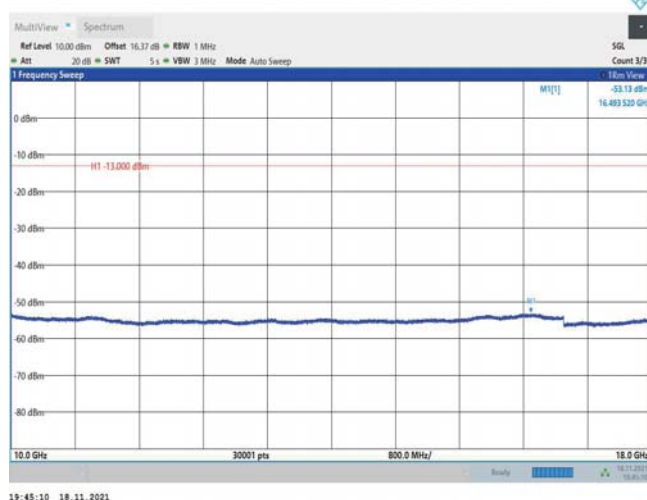


Band5-4233-4-30~1000MHz

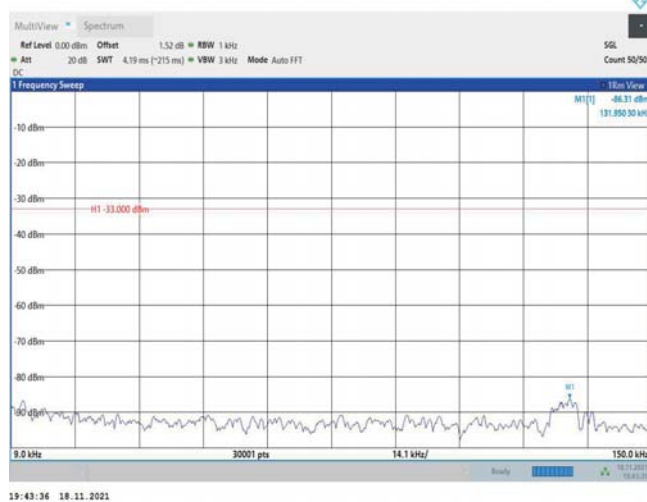




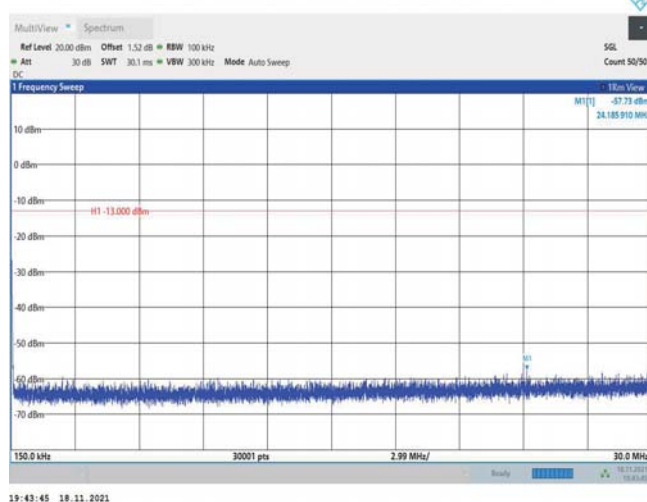
Band5-4233-5-10000~18000MHz



Band5-4233-5-0.009~0.15MHz

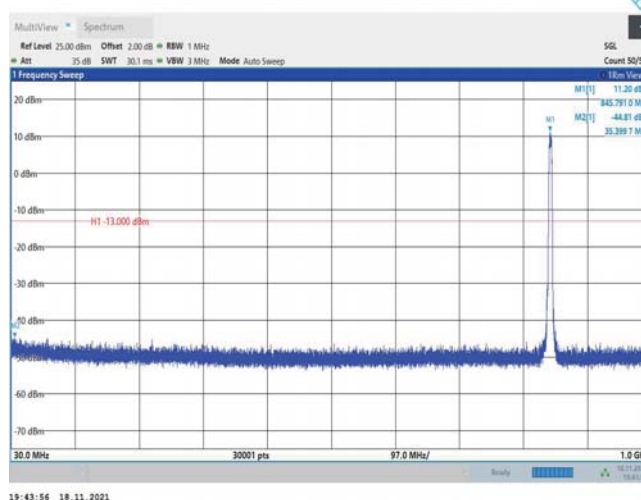


Band5-4233-5-0.15~30MHz

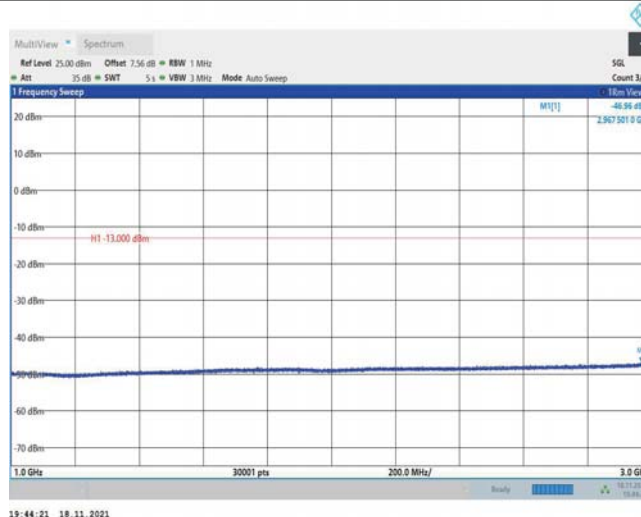




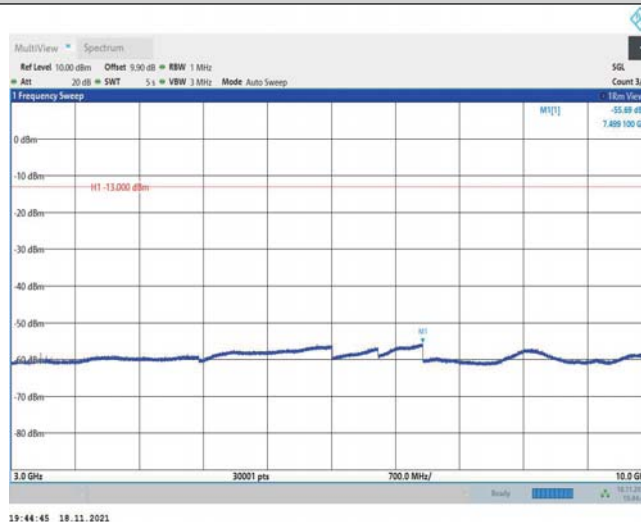
Band5-4233-5-30~1000MHz



Band5-4233-5-1000~3000MHz

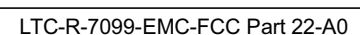
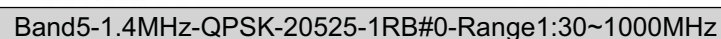
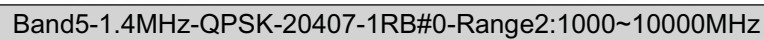


Band5-4233-5-3000~10000MHz



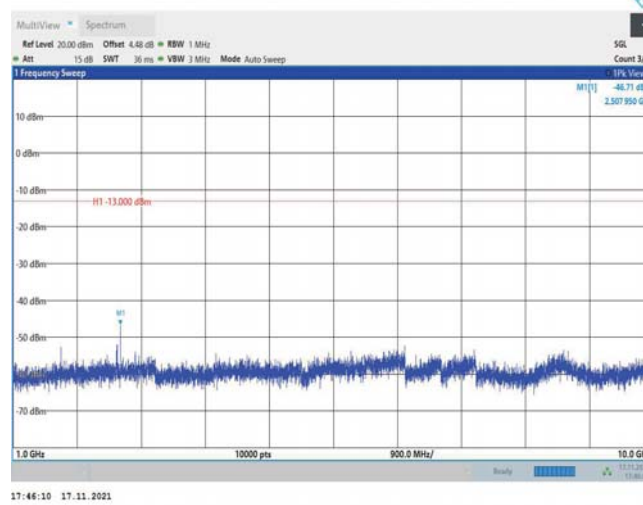


Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz

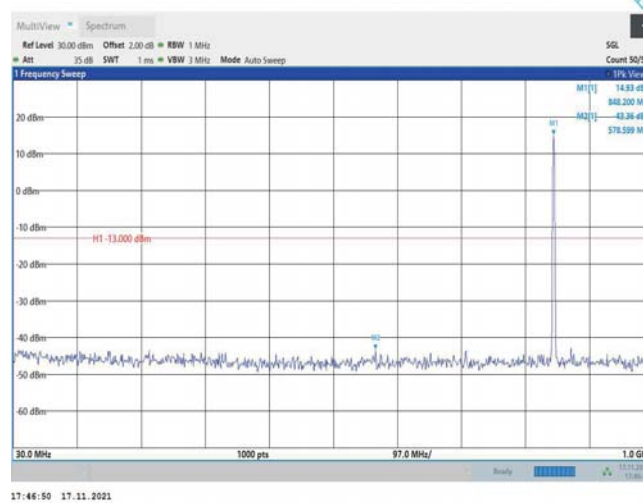




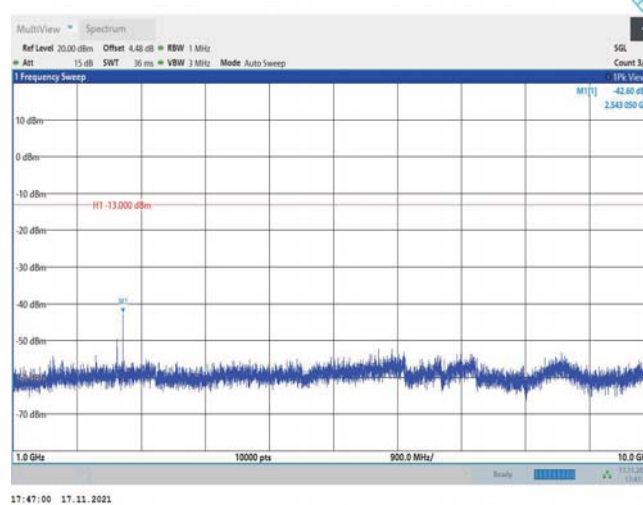
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

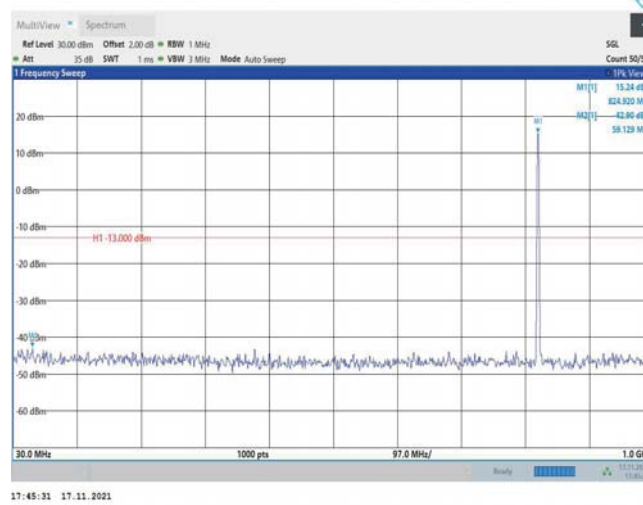


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz

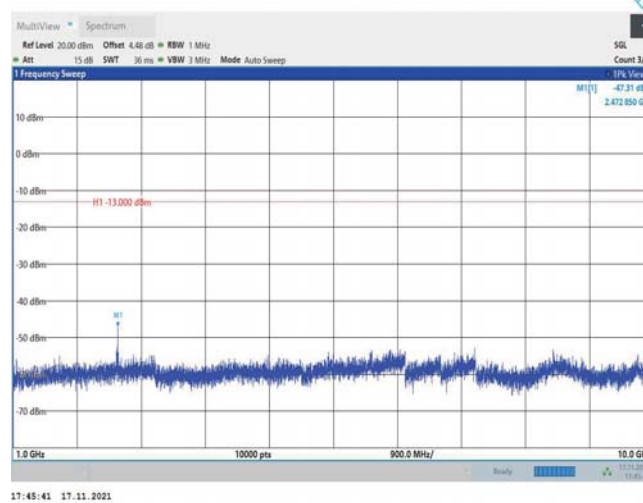




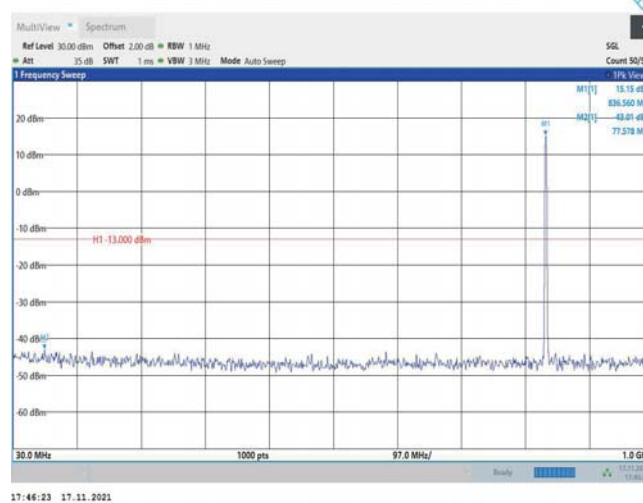
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz

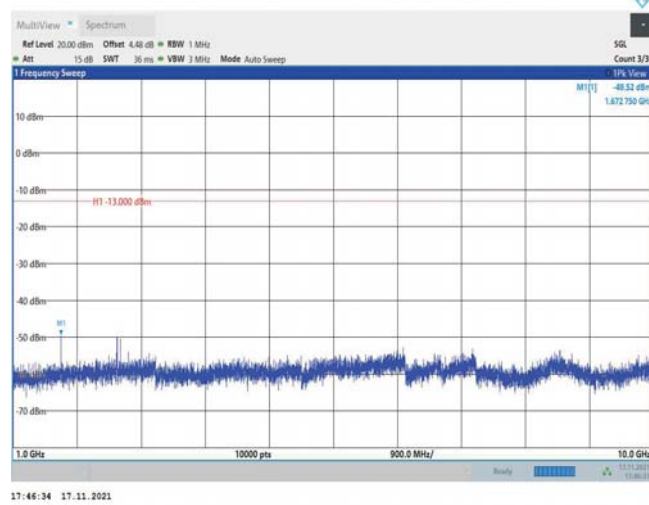


Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

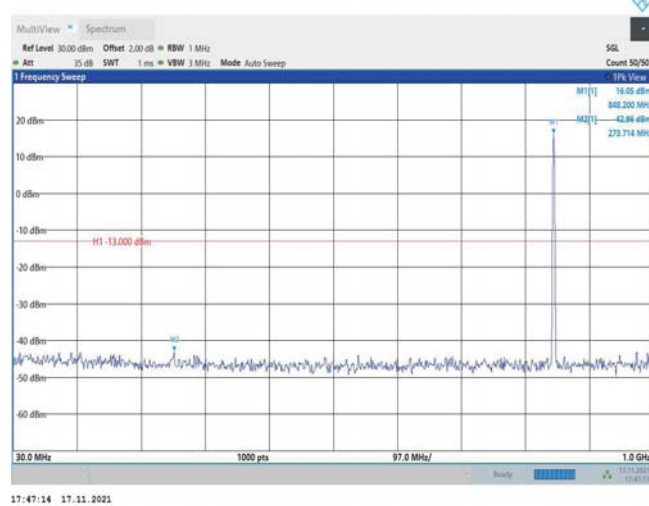




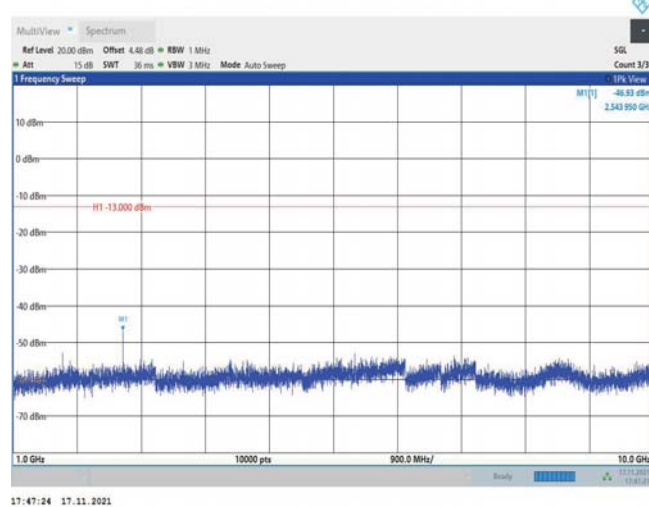
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz

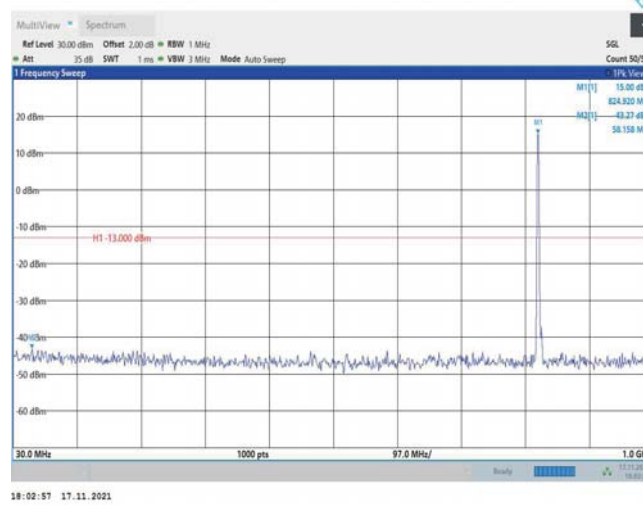


Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz

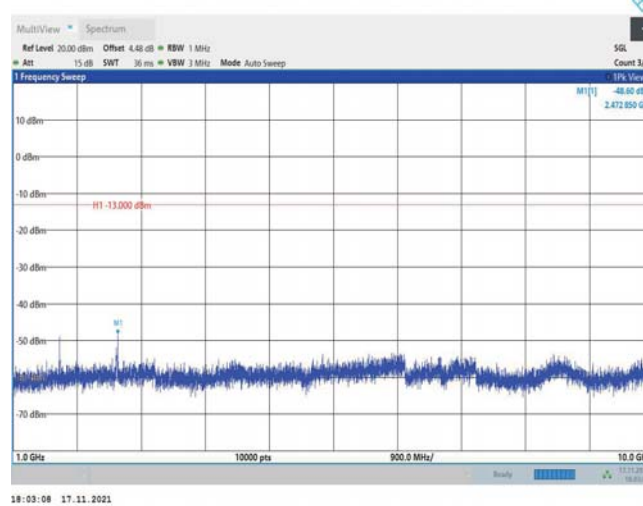




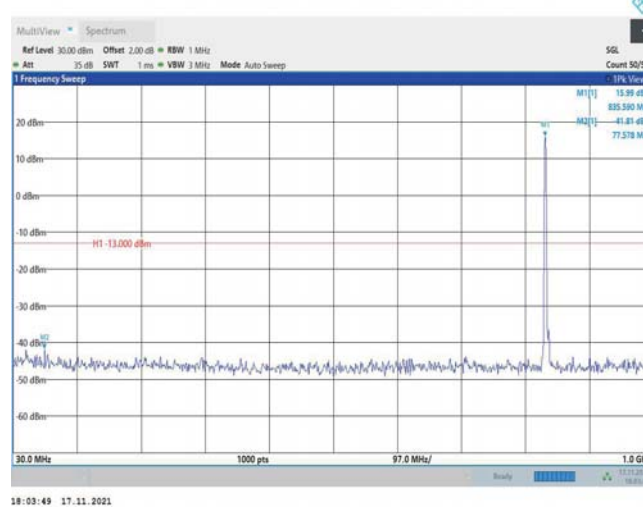
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz

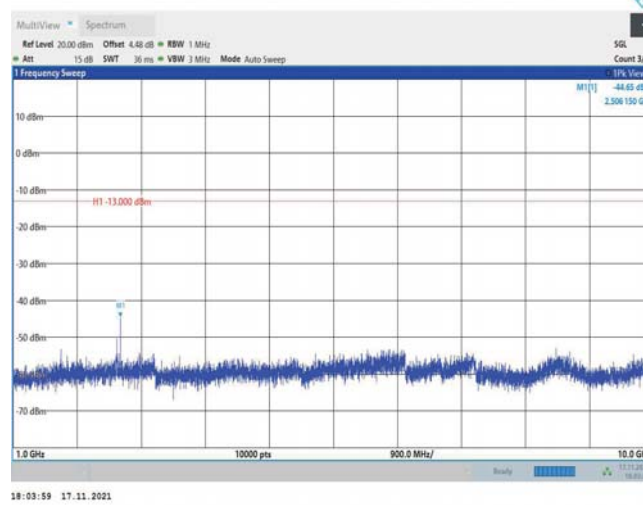


Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

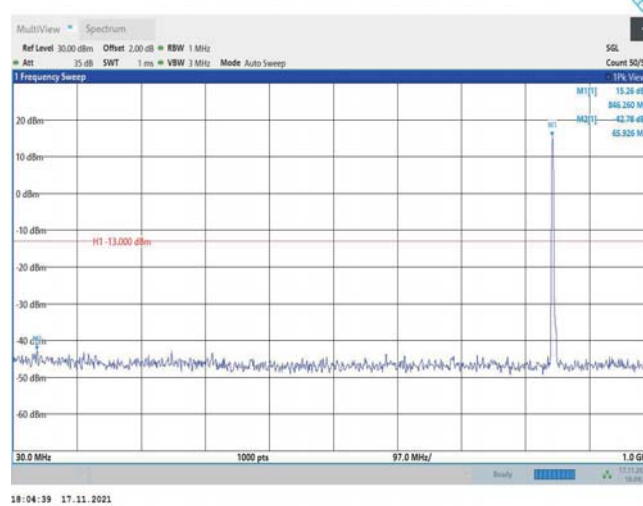




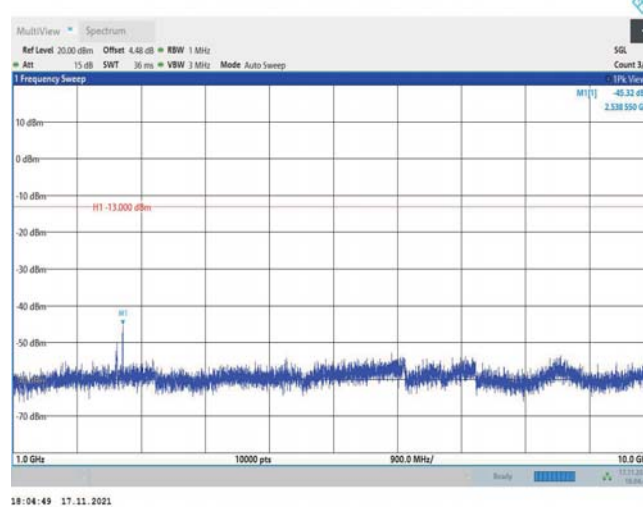
Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

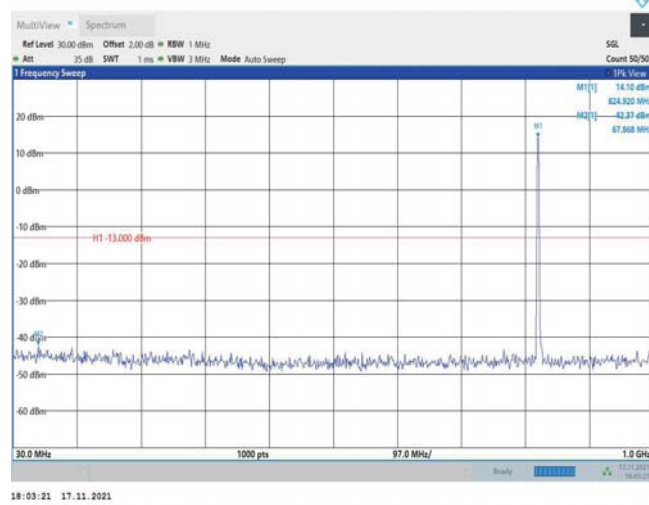


Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz

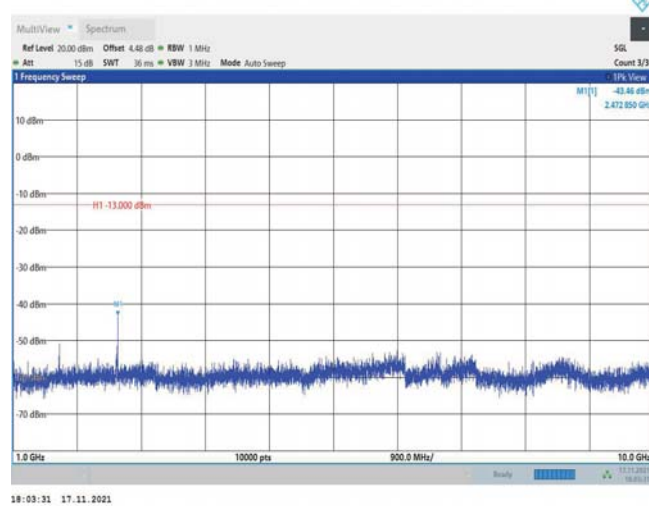




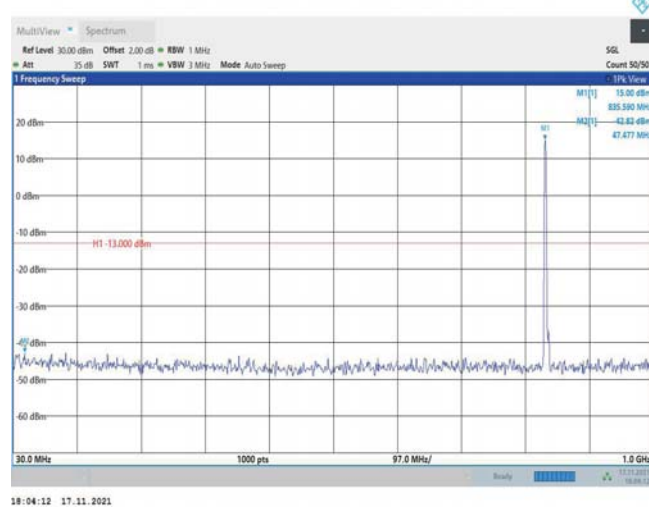
Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz

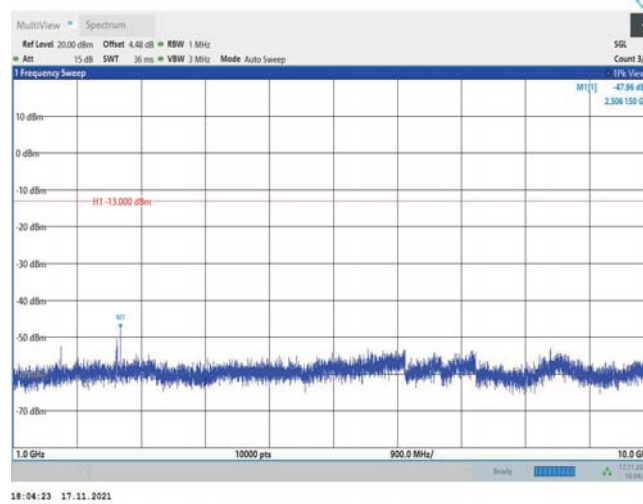


Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

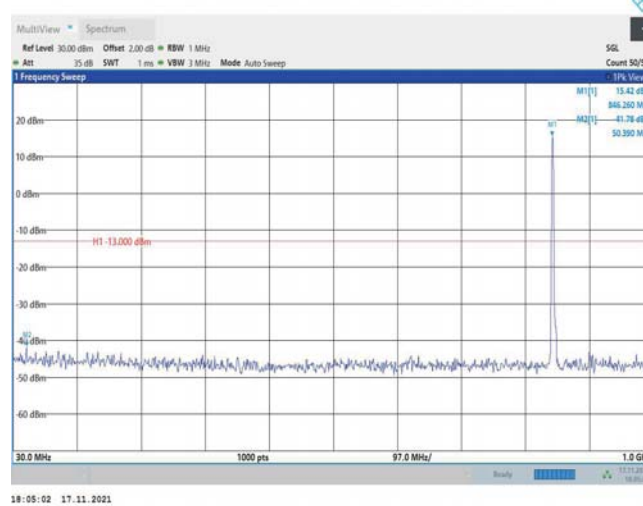




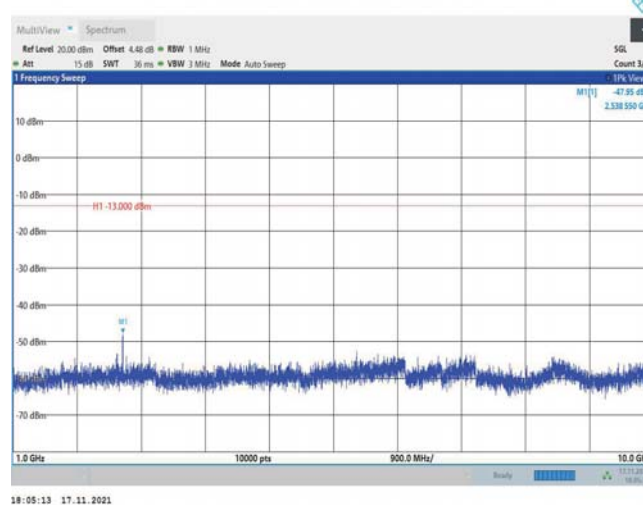
Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz

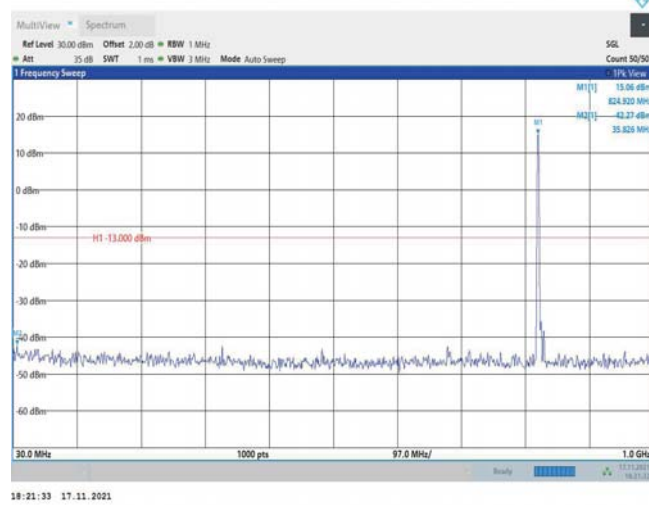


Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz

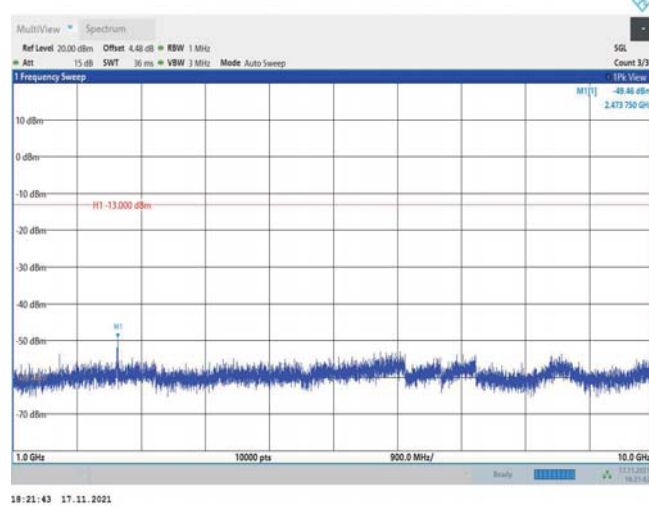




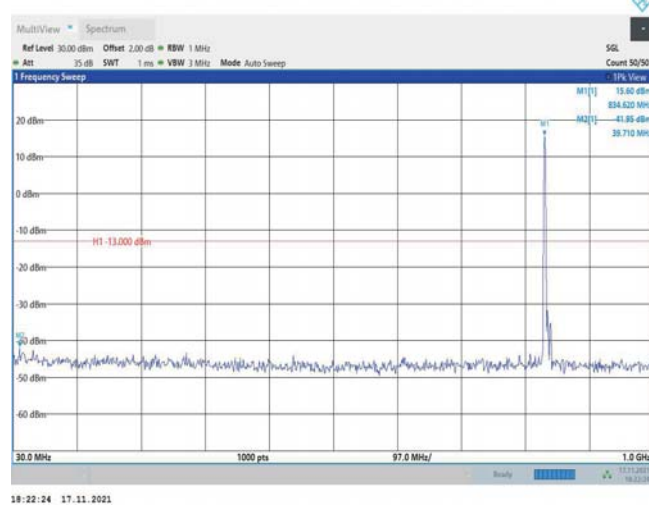
Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz

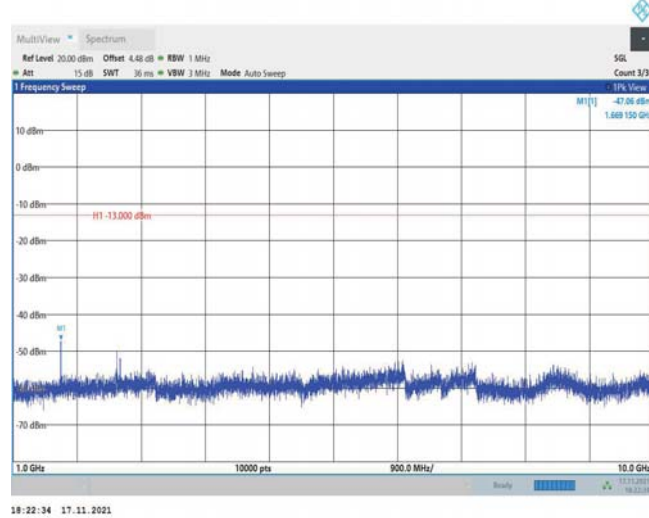


Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

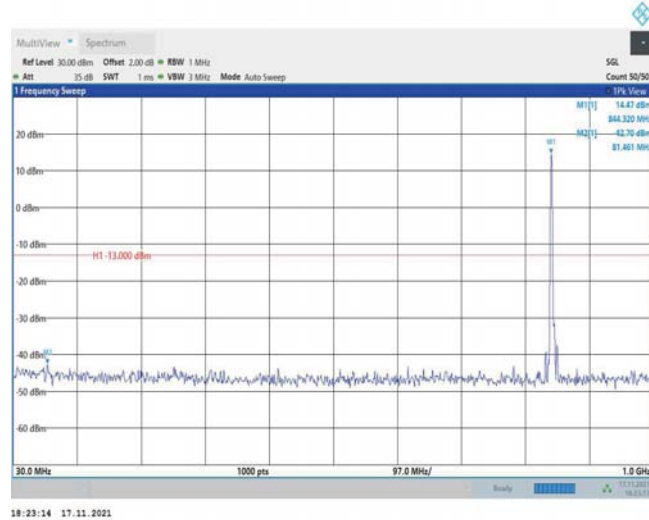




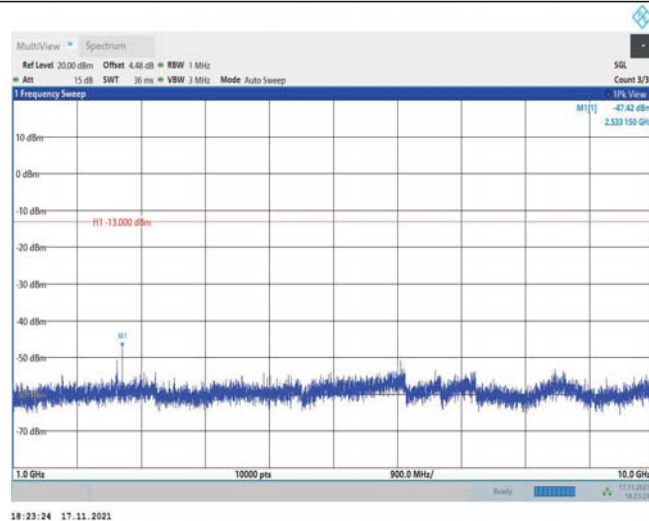
Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz

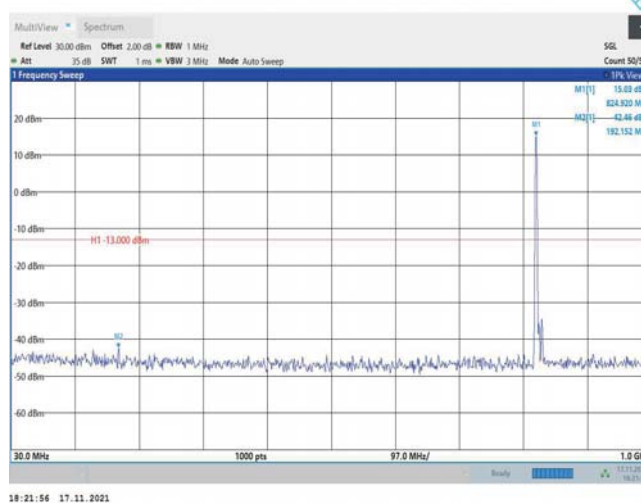


Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz

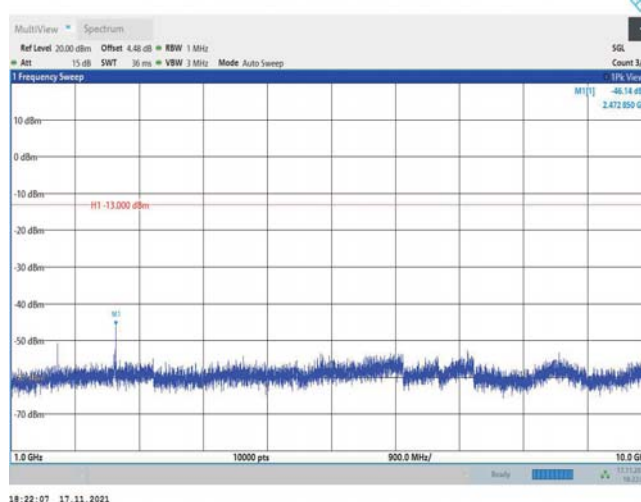




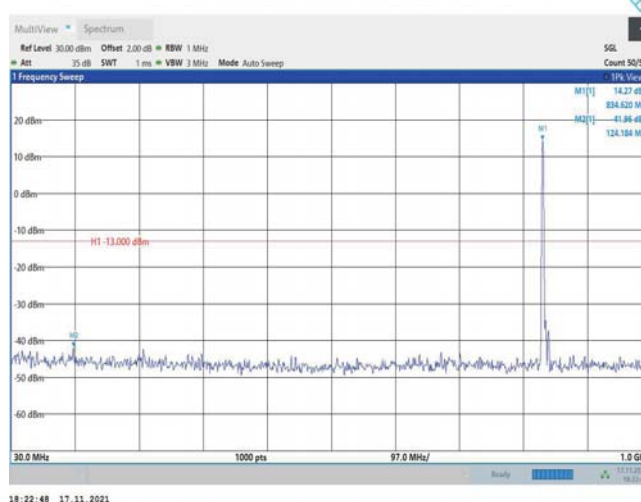
Band5-5MHz-16QAM-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz

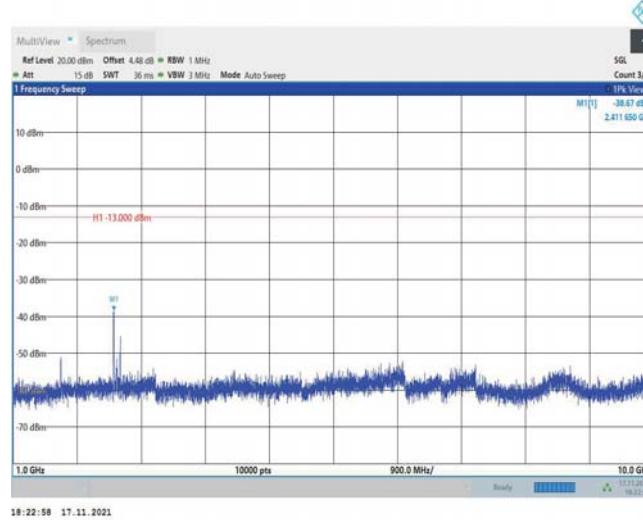


Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

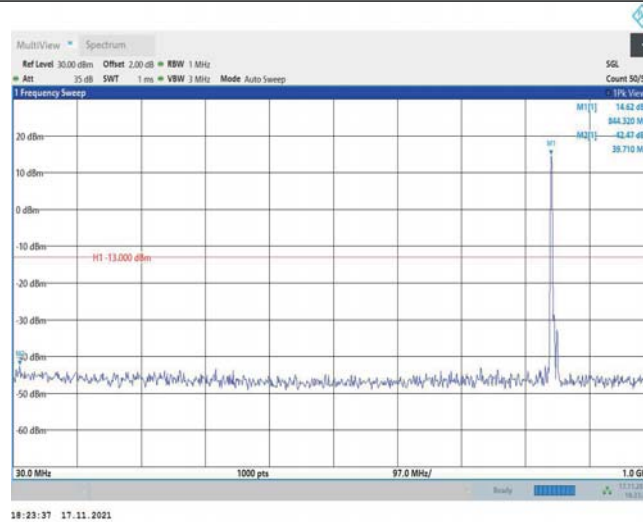




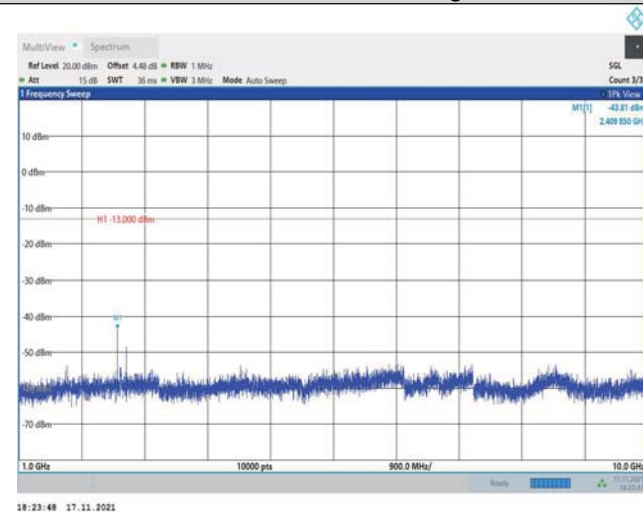
Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz

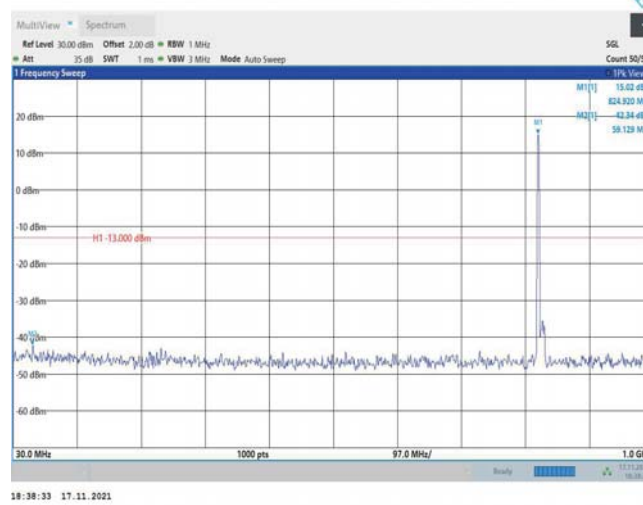


Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz

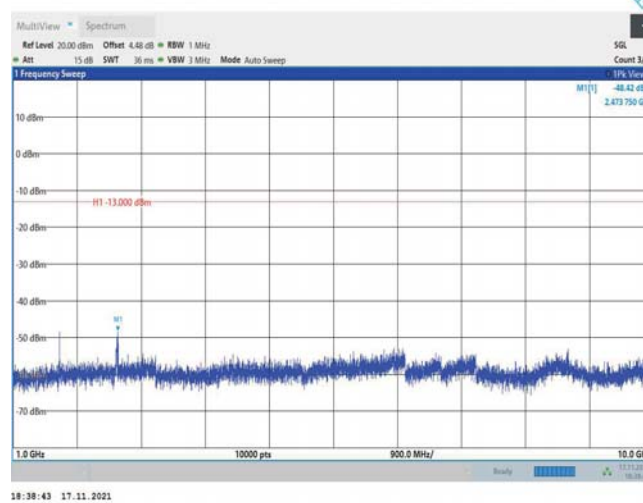




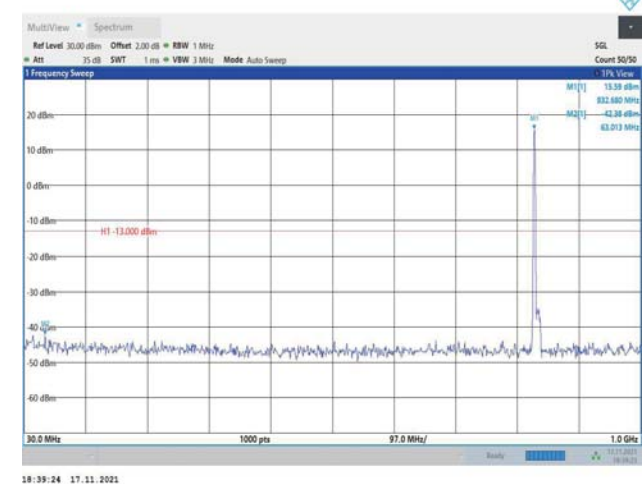
Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz

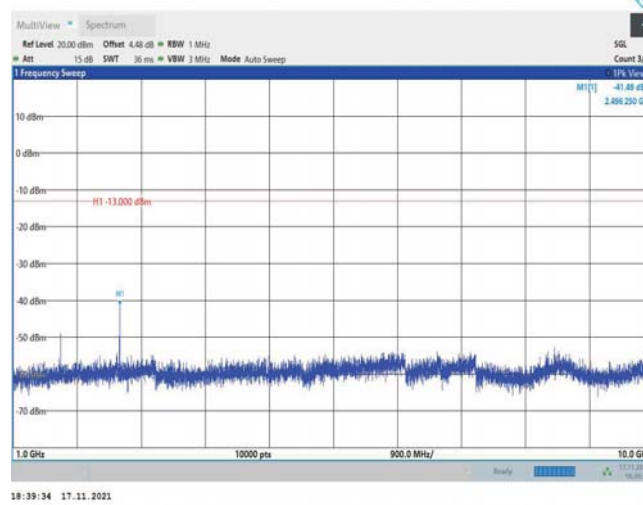


Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

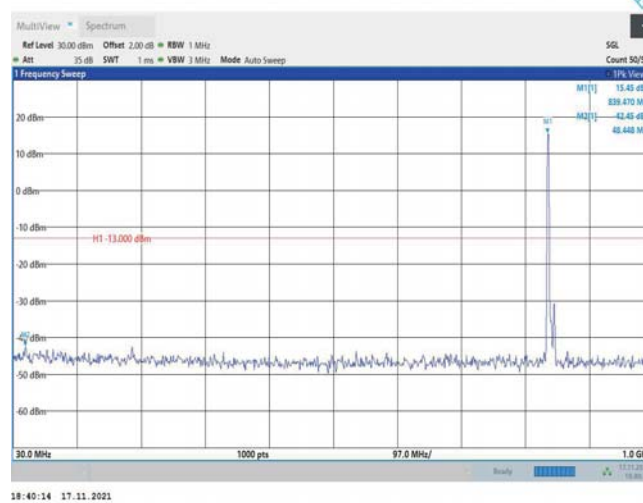




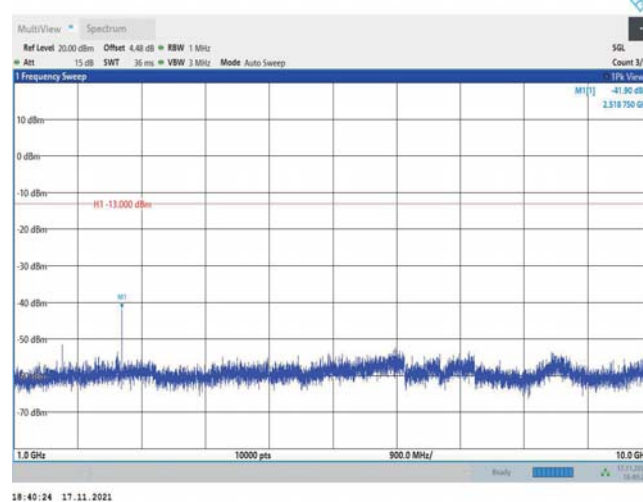
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz





MultiView Spectrum

Ref Level 30.00 dBm Offset 2.00 dB RBW 1 MHz

Att 35 dB SWF 1 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm

30.0 MHz 1000 pts 97.0 MHz/ 1.0 G

15.18 dB
824.820 M
-43.85 dB
177.588 M

M1 [1]
M2 [1]

H1 -13.000 dBm

18:39:56 17.11.2021

MultiView Spectrum

Ref Level 20.00 dBm Offset 4.40 dB RBW 1 MHz
 Att 15 dB SWF 36 ms VBW 3 MHz Mode Auto Sweep

1 Frequency Sweep

10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm

M1 -13.000 dBm

1.0 GHz 10000 pts 900.0 MHz/ 10.0 GHz

18:39:06 17.11.2021

MultiView Spectrum

Ref Level 30.00 dBm Offset 2.00 dB BW 1 MHz

Att 25 dB SWT 1 ms VSW 3 MHz Mode Auto Sweep

1 Frequency Sweep

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

H1 -13.000 dBm

30.0 MHz

1000 pts

97.0 MHz

1.0 GHz

Count 50/50

1% View

16.00 dBm

832.000 MHz

43.03 dBm

228.078 MHz

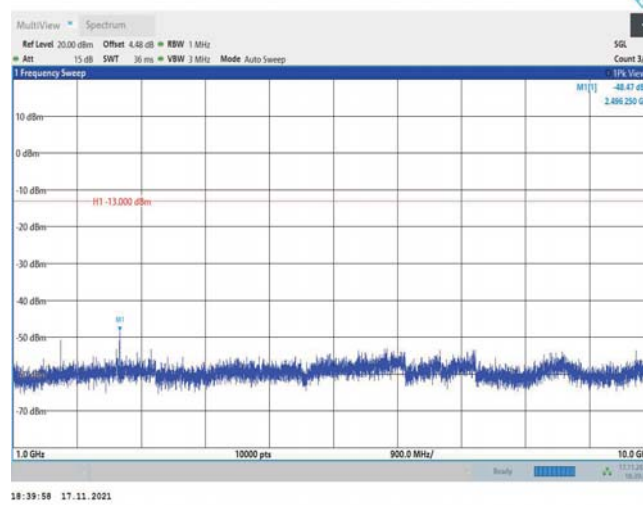
Ready

17.11.2021

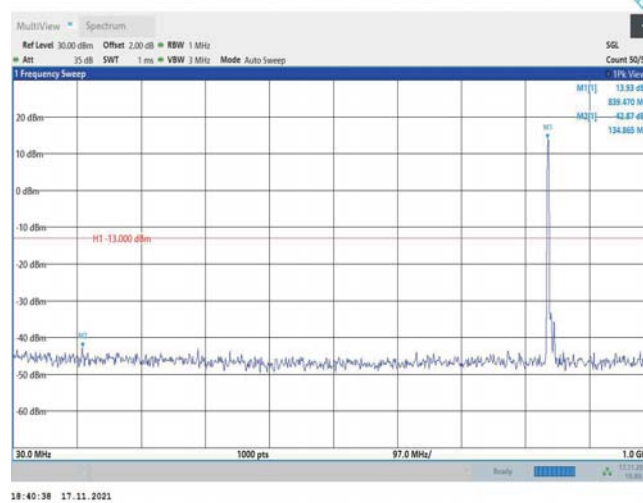
10:24:41



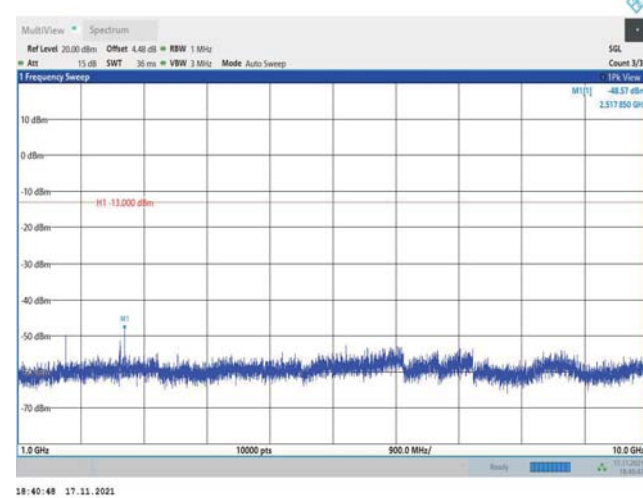
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz





5.6 Frequency Stability

5.6.1 Test Result(WCDMA)

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	0.65	0.000787	±2.5	PASS
Band5	4132	VN	NT	0.54	0.000653	±2.5	PASS
Band5	4132	VH	NT	0.65	0.000787	±2.5	PASS
Band5	4182	VL	NT	0.19	0.000227	±2.5	PASS
Band5	4182	VN	NT	0.03	0.000036	±2.5	PASS
Band5	4182	VH	NT	-0.10	-0.000120	±2.5	PASS
Band5	4233	VL	NT	-0.91	-0.001075	±2.5	PASS
Band5	4233	VN	NT	-0.99	-0.001169	±2.5	PASS
Band5	4233	VH	NT	-0.94	-0.001110	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	0.55	0.000666	±2.5	PASS
Band5	4132	NV	-20	0.55	0.000666	±2.5	PASS
Band5	4132	NV	0	0.63	0.000762	±2.5	PASS
Band5	4132	NV	10	0.49	0.000593	±2.5	PASS
Band5	4132	NV	20	0.58	0.000702	±2.5	PASS
Band5	4182	NV	-30	0.18	0.000215	±2.5	PASS
Band5	4182	NV	-20	0.37	0.000442	±2.5	PASS
Band5	4182	NV	0	-0.20	-0.000239	±2.5	PASS
Band5	4182	NV	10	0.01	0.000012	±2.5	PASS
Band5	4182	NV	20	-0.13	-0.000155	±2.5	PASS
Band5	4233	NV	-30	-1.07	-0.001264	±2.5	PASS
Band5	4233	NV	-20	-1.34	-0.001583	±2.5	PASS
Band5	4233	NV	0	-1.37	-0.001618	±2.5	PASS
Band5	4233	NV	10	-0.80	-0.000945	±2.5	PASS
Band5	4233	NV	20	-1.04	-0.001228	±2.5	PASS



5.6.2 Test Result(HSDPA)

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	VL	NT	-1.17	-0.001416	±2.5	PASS
Band5	4132	1	VN	NT	-1.12	-0.001355	±2.5	PASS
Band5	4132	1	VH	NT	-1.70	-0.002057	±2.5	PASS
Band5	4132	2	VL	NT	-1.20	-0.001452	±2.5	PASS
Band5	4132	2	VN	NT	-1.05	-0.001271	±2.5	PASS
Band5	4132	2	VH	NT	-0.93	-0.001125	±2.5	PASS
Band5	4132	3	VL	NT	-1.15	-0.001392	±2.5	PASS
Band5	4132	3	VN	NT	-1.73	-0.002093	±2.5	PASS
Band5	4132	3	VH	NT	-1.06	-0.001283	±2.5	PASS
Band5	4132	4	VL	NT	-1.08	-0.001307	±2.5	PASS
Band5	4132	4	VN	NT	-1.16	-0.001404	±2.5	PASS
Band5	4132	4	VH	NT	-1.03	-0.001246	±2.5	PASS
Band5	4182	1	VL	NT	-2.00	-0.002391	±2.5	PASS
Band5	4182	1	VN	NT	-3.17	-0.003790	±2.5	PASS
Band5	4182	1	VH	NT	-1.31	-0.001566	±2.5	PASS
Band5	4182	2	VL	NT	-1.28	-0.001530	±2.5	PASS
Band5	4182	2	VN	NT	-2.49	-0.002977	±2.5	PASS
Band5	4182	2	VH	NT	-1.13	-0.001351	±2.5	PASS
Band5	4182	3	VL	NT	-1.55	-0.001853	±2.5	PASS
Band5	4182	3	VN	NT	-1.26	-0.001506	±2.5	PASS
Band5	4182	3	VH	NT	-0.90	-0.001076	±2.5	PASS
Band5	4182	4	VL	NT	-1.17	-0.001399	±2.5	PASS
Band5	4182	4	VN	NT	-1.46	-0.001746	±2.5	PASS
Band5	4182	4	VH	NT	-1.17	-0.001399	±2.5	PASS
Band5	4233	1	VL	NT	-1.07	-0.001264	±2.5	PASS
Band5	4233	1	VN	NT	-1.16	-0.001370	±2.5	PASS
Band5	4233	1	VH	NT	-1.07	-0.001264	±2.5	PASS
Band5	4233	2	VL	NT	-1.44	-0.001701	±2.5	PASS
Band5	4233	2	VN	NT	-2.64	-0.003118	±2.5	PASS
Band5	4233	2	VH	NT	-1.15	-0.001358	±2.5	PASS
Band5	4233	3	VL	NT	-1.50	-0.001772	±2.5	PASS
Band5	4233	3	VN	NT	-1.40	-0.001654	±2.5	PASS
Band5	4233	3	VH	NT	-1.45	-0.001713	±2.5	PASS
Band5	4233	4	VL	NT	-1.03	-0.001217	±2.5	PASS
Band5	4233	4	VN	NT	-2.11	-0.002492	±2.5	PASS
Band5	4233	4	VH	NT	-1.40	-0.001654	±2.5	PASS



Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	NV	-30	-1.22	-0.001476	±2.5	PASS
Band5	4132	1	NV	-20	-1.04	-0.001258	±2.5	PASS
Band5	4132	1	NV	0	-1.24	-0.001500	±2.5	PASS
Band5	4132	1	NV	10	-1.53	-0.001851	±2.5	PASS
Band5	4132	1	NV	20	-0.99	-0.001198	±2.5	PASS
Band5	4132	2	NV	-30	-1.94	-0.002348	±2.5	PASS
Band5	4132	2	NV	-20	-2.57	-0.003110	±2.5	PASS
Band5	4132	2	NV	0	-1.25	-0.001513	±2.5	PASS
Band5	4132	2	NV	10	-1.36	-0.001646	±2.5	PASS
Band5	4132	2	NV	20	-1.46	-0.001767	±2.5	PASS
Band5	4132	3	NV	-30	-1.17	-0.001416	±2.5	PASS
Band5	4132	3	NV	-20	-1.24	-0.001500	±2.5	PASS
Band5	4132	3	NV	0	-1.30	-0.001573	±2.5	PASS
Band5	4132	3	NV	10	-1.15	-0.001392	±2.5	PASS
Band5	4132	3	NV	20	-1.45	-0.001755	±2.5	PASS
Band5	4132	4	NV	-30	-1.37	-0.001658	±2.5	PASS
Band5	4132	4	NV	-20	-1.10	-0.001331	±2.5	PASS
Band5	4132	4	NV	0	-1.52	-0.001839	±2.5	PASS
Band5	4132	4	NV	10	-1.22	-0.001476	±2.5	PASS
Band5	4132	4	NV	20	-0.77	-0.000932	±2.5	PASS
Band5	4182	1	NV	-30	-1.27	-0.001518	±2.5	PASS
Band5	4182	1	NV	-20	-1.67	-0.001997	±2.5	PASS
Band5	4182	1	NV	0	-1.50	-0.001793	±2.5	PASS
Band5	4182	1	NV	10	-1.58	-0.001889	±2.5	PASS
Band5	4182	1	NV	20	-1.55	-0.001853	±2.5	PASS
Band5	4182	2	NV	-30	-1.51	-0.001805	±2.5	PASS
Band5	4182	2	NV	-20	-1.76	-0.002104	±2.5	PASS
Band5	4182	2	NV	0	-1.04	-0.001243	±2.5	PASS
Band5	4182	2	NV	10	-1.38	-0.001650	±2.5	PASS
Band5	4182	2	NV	20	-1.08	-0.001291	±2.5	PASS
Band5	4182	3	NV	-30	-1.41	-0.001686	±2.5	PASS
Band5	4182	3	NV	-20	-2.48	-0.002965	±2.5	PASS
Band5	4182	3	NV	0	-1.56	-0.001865	±2.5	PASS
Band5	4182	3	NV	10	-1.25	-0.001495	±2.5	PASS
Band5	4182	3	NV	20	-1.31	-0.001566	±2.5	PASS
Band5	4182	4	NV	-30	-1.88	-0.002248	±2.5	PASS
Band5	4182	4	NV	-20	-2.33	-0.002786	±2.5	PASS
Band5	4182	4	NV	0	-1.59	-0.001901	±2.5	PASS
Band5	4182	4	NV	10	-1.09	-0.001303	±2.5	PASS
Band5	4182	4	NV	20	-0.98	-0.001172	±2.5	PASS
Band5	4233	1	NV	-30	-1.46	-0.001725	±2.5	PASS
Band5	4233	1	NV	-20	-2.59	-0.003059	±2.5	PASS
Band5	4233	1	NV	0	-1.37	-0.001618	±2.5	PASS
Band5	4233	1	NV	10	-0.79	-0.000933	±2.5	PASS
Band5	4233	1	NV	20	-1.45	-0.001713	±2.5	PASS



Band5	4233	2	NV	-30	-1.45	-0.001713	±2.5	PASS
Band5	4233	2	NV	-20	-1.21	-0.001429	±2.5	PASS
Band5	4233	2	NV	0	-1.17	-0.001382	±2.5	PASS
Band5	4233	2	NV	10	-1.38	-0.001630	±2.5	PASS
Band5	4233	2	NV	20	-1.46	-0.001725	±2.5	PASS
Band5	4233	3	NV	-30	-1.66	-0.001961	±2.5	PASS
Band5	4233	3	NV	-20	-1.40	-0.001654	±2.5	PASS
Band5	4233	3	NV	0	-2.15	-0.002540	±2.5	PASS
Band5	4233	3	NV	10	-1.25	-0.001476	±2.5	PASS
Band5	4233	3	NV	20	-1.57	-0.001854	±2.5	PASS
Band5	4233	4	NV	-30	-1.73	-0.002043	±2.5	PASS
Band5	4233	4	NV	-20	-1.64	-0.001937	±2.5	PASS
Band5	4233	4	NV	0	-2.24	-0.002646	±2.5	PASS
Band5	4233	4	NV	10	-1.36	-0.001606	±2.5	PASS
Band5	4233	4	NV	20	-1.54	-0.001819	±2.5	PASS



5.6.3 Test Result(HSUPA)

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	VL	NT	-0.54	-0.000653	±2.5	PASS
Band5	4132	1	VN	NT	-0.64	-0.000774	±2.5	PASS
Band5	4132	1	VH	NT	-1.24	-0.001500	±2.5	PASS
Band5	4132	2	VL	NT	-1.09	-0.001319	±2.5	PASS
Band5	4132	2	VN	NT	-1.42	-0.001718	±2.5	PASS
Band5	4132	2	VH	NT	-1.01	-0.001222	±2.5	PASS
Band5	4132	3	VL	NT	-1.20	-0.001452	±2.5	PASS
Band5	4132	3	VN	NT	-1.01	-0.001222	±2.5	PASS
Band5	4132	3	VH	NT	-1.71	-0.002069	±2.5	PASS
Band5	4132	4	VL	NT	-0.91	-0.001101	±2.5	PASS
Band5	4132	4	VN	NT	-1.73	-0.002093	±2.5	PASS
Band5	4132	4	VH	NT	-1.55	-0.001876	±2.5	PASS
Band5	4132	5	VL	NT	-0.01	-0.000012	±2.5	PASS
Band5	4132	5	VN	NT	-1.60	-0.001936	±2.5	PASS
Band5	4132	5	VH	NT	-2.01	-0.002432	±2.5	PASS
Band5	4182	1	VL	NT	-0.88	-0.001052	±2.5	PASS
Band5	4182	1	VN	NT	-1.55	-0.001853	±2.5	PASS
Band5	4182	1	VH	NT	-0.91	-0.001088	±2.5	PASS
Band5	4182	2	VL	NT	-0.89	-0.001064	±2.5	PASS
Band5	4182	2	VN	NT	-1.01	-0.001208	±2.5	PASS
Band5	4182	2	VH	NT	-0.39	-0.000466	±2.5	PASS
Band5	4182	3	VL	NT	-1.46	-0.001746	±2.5	PASS
Band5	4182	3	VN	NT	-1.26	-0.001506	±2.5	PASS
Band5	4182	3	VH	NT	-1.31	-0.001566	±2.5	PASS
Band5	4182	4	VL	NT	-2.37	-0.002834	±2.5	PASS
Band5	4182	4	VN	NT	-1.52	-0.001817	±2.5	PASS
Band5	4182	4	VH	NT	-1.28	-0.001530	±2.5	PASS
Band5	4182	5	VL	NT	-1.11	-0.001327	±2.5	PASS
Band5	4182	5	VN	NT	-0.60	-0.000717	±2.5	PASS
Band5	4182	5	VH	NT	-1.05	-0.001255	±2.5	PASS
Band5	4233	1	VL	NT	-0.75	-0.000886	±2.5	PASS
Band5	4233	1	VN	NT	-1.00	-0.001181	±2.5	PASS
Band5	4233	1	VH	NT	-1.54	-0.001819	±2.5	PASS
Band5	4233	2	VL	NT	-1.67	-0.001973	±2.5	PASS
Band5	4233	2	VN	NT	-0.97	-0.001146	±2.5	PASS
Band5	4233	2	VH	NT	-1.37	-0.001618	±2.5	PASS
Band5	4233	3	VL	NT	-1.58	-0.001866	±2.5	PASS
Band5	4233	3	VN	NT	-0.93	-0.001099	±2.5	PASS
Band5	4233	3	VH	NT	-1.41	-0.001665	±2.5	PASS
Band5	4233	4	VL	NT	-1.43	-0.001689	±2.5	PASS
Band5	4233	4	VN	NT	-1.22	-0.001441	±2.5	PASS
Band5	4233	4	VH	NT	-1.37	-0.001618	±2.5	PASS
Band5	4233	5	VL	NT	-2.12	-0.002504	±2.5	PASS
Band5	4233	5	VN	NT	-0.65	-0.000768	±2.5	PASS



Band5	4233	5	VH	NT	-1.01	-0.001193	±2.5	PASS
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Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	1	NV	-30	-1.17	-0.001416	±2.5	PASS
Band5	4132	1	NV	-20	-0.86	-0.001041	±2.5	PASS
Band5	4132	1	NV	0	-0.69	-0.000835	±2.5	PASS
Band5	4132	1	NV	10	-1.80	-0.002178	±2.5	PASS
Band5	4132	1	NV	20	-0.70	-0.000847	±2.5	PASS
Band5	4132	2	NV	-30	-1.26	-0.001525	±2.5	PASS
Band5	4132	2	NV	-20	-1.32	-0.001597	±2.5	PASS
Band5	4132	2	NV	0	-1.21	-0.001464	±2.5	PASS
Band5	4132	2	NV	10	-0.97	-0.001174	±2.5	PASS
Band5	4132	2	NV	20	-0.70	-0.000847	±2.5	PASS
Band5	4132	3	NV	-30	-1.79	-0.002166	±2.5	PASS
Band5	4132	3	NV	-20	-1.13	-0.001367	±2.5	PASS
Band5	4132	3	NV	0	-1.15	-0.001392	±2.5	PASS
Band5	4132	3	NV	10	-0.80	-0.000968	±2.5	PASS
Band5	4132	3	NV	20	-1.57	-0.001900	±2.5	PASS
Band5	4132	4	NV	-30	-1.64	-0.001985	±2.5	PASS
Band5	4132	4	NV	-20	-1.75	-0.002118	±2.5	PASS
Band5	4132	4	NV	0	-0.57	-0.000690	±2.5	PASS
Band5	4132	4	NV	10	-1.51	-0.001827	±2.5	PASS
Band5	4132	4	NV	20	-1.75	-0.002118	±2.5	PASS
Band5	4132	5	NV	-30	-1.70	-0.002057	±2.5	PASS
Band5	4132	5	NV	-20	-1.25	-0.001513	±2.5	PASS
Band5	4132	5	NV	0	-1.00	-0.001210	±2.5	PASS
Band5	4132	5	NV	10	-0.59	-0.000714	±2.5	PASS
Band5	4132	5	NV	20	-1.49	-0.001803	±2.5	PASS
Band5	4182	1	NV	-30	-0.80	-0.000956	±2.5	PASS
Band5	4182	1	NV	-20	-0.62	-0.000741	±2.5	PASS
Band5	4182	1	NV	0	-0.73	-0.000873	±2.5	PASS
Band5	4182	1	NV	10	-1.50	-0.001793	±2.5	PASS
Band5	4182	1	NV	20	-1.62	-0.001937	±2.5	PASS
Band5	4182	2	NV	-30	-0.94	-0.001124	±2.5	PASS
Band5	4182	2	NV	-20	-0.30	-0.000359	±2.5	PASS
Band5	4182	2	NV	0	-1.08	-0.001291	±2.5	PASS
Band5	4182	2	NV	10	-1.24	-0.001483	±2.5	PASS
Band5	4182	2	NV	20	-1.66	-0.001985	±2.5	PASS
Band5	4182	3	NV	-30	-0.76	-0.000909	±2.5	PASS
Band5	4182	3	NV	-20	-1.42	-0.001698	±2.5	PASS
Band5	4182	3	NV	0	-1.38	-0.001650	±2.5	PASS
Band5	4182	3	NV	10	-0.85	-0.001016	±2.5	PASS
Band5	4182	3	NV	20	-1.24	-0.001483	±2.5	PASS
Band5	4182	4	NV	-30	-0.26	-0.000311	±2.5	PASS
Band5	4182	4	NV	-20	-1.47	-0.001758	±2.5	PASS
Band5	4182	4	NV	0	-1.16	-0.001387	±2.5	PASS



Band5	4182	4	NV	10	-1.66	-0.001985	±2.5	PASS
Band5	4182	4	NV	20	-0.94	-0.001124	±2.5	PASS
Band5	4182	5	NV	-30	-1.64	-0.001961	±2.5	PASS
Band5	4182	5	NV	-20	-1.16	-0.001387	±2.5	PASS
Band5	4182	5	NV	0	-1.25	-0.001495	±2.5	PASS
Band5	4182	5	NV	10	-1.39	-0.001662	±2.5	PASS
Band5	4182	5	NV	20	-0.99	-0.001184	±2.5	PASS
Band5	4233	1	NV	-30	-0.94	-0.001110	±2.5	PASS
Band5	4233	1	NV	-20	-1.78	-0.002103	±2.5	PASS
Band5	4233	1	NV	0	-1.84	-0.002173	±2.5	PASS
Band5	4233	1	NV	10	-0.95	-0.001122	±2.5	PASS
Band5	4233	1	NV	20	-1.10	-0.001299	±2.5	PASS
Band5	4233	2	NV	-30	-1.64	-0.001937	±2.5	PASS
Band5	4233	2	NV	-20	-1.13	-0.001335	±2.5	PASS
Band5	4233	2	NV	0	-0.79	-0.000933	±2.5	PASS
Band5	4233	2	NV	10	-1.09	-0.001288	±2.5	PASS
Band5	4233	2	NV	20	-1.19	-0.001406	±2.5	PASS
Band5	4233	3	NV	-30	-0.95	-0.001122	±2.5	PASS
Band5	4233	3	NV	-20	-0.65	-0.000768	±2.5	PASS
Band5	4233	3	NV	0	-1.39	-0.001642	±2.5	PASS
Band5	4233	3	NV	10	-0.77	-0.000910	±2.5	PASS
Band5	4233	3	NV	20	-1.36	-0.001606	±2.5	PASS
Band5	4233	4	NV	-30	-0.98	-0.001158	±2.5	PASS
Band5	4233	4	NV	-20	-1.39	-0.001642	±2.5	PASS
Band5	4233	4	NV	0	-0.82	-0.000969	±2.5	PASS
Band5	4233	4	NV	10	-1.25	-0.001476	±2.5	PASS
Band5	4233	4	NV	20	-1.57	-0.001854	±2.5	PASS
Band5	4233	5	NV	-30	-1.23	-0.001453	±2.5	PASS
Band5	4233	5	NV	-20	-1.79	-0.002114	±2.5	PASS
Band5	4233	5	NV	0	-1.19	-0.001406	±2.5	PASS
Band5	4233	5	NV	10	-0.81	-0.000957	±2.5	PASS
Band5	4233	5	NV	20	-0.96	-0.001134	±2.5	PASS



5.6.4 Test Result(LTE)

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	-4.74	-0.005748	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	-5.34	-0.006475	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	-4.90	-0.005942	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-2.64	-0.003156	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	1.96	0.002343	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-1.05	-0.001255	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	2.01	0.002369	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	2.55	0.003006	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-2.32	-0.002735	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	-2.88	-0.003492	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	-5.51	-0.006681	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	-4.88	-0.005917	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	-2.49	-0.002977	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	-2.84	-0.003395	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	-2.79	-0.003335	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	1.76	0.002075	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	2.91	0.003430	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	1.94	0.002287	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-2.20	-0.002665	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	-2.05	-0.002483	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	1.96	0.002374	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	2.76	0.003299	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-2.09	-0.002499	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	2.22	0.002654	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-5.16	-0.006088	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-3.76	-0.004437	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-6.01	-0.007091	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	-4.31	-0.005221	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	1.40	0.001696	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	2.34	0.002835	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	-2.71	-0.003240	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	-2.02	-0.002415	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	3.15	0.003766	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	-3.15	-0.003717	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VN	NT	-3.03	-0.003575	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	-3.24	-0.003823	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	-4.34	-0.005251	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	-3.98	-0.004815	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	-3.33	-0.004029	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-3.38	-0.004041	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	-2.78	-0.003323	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-3.30	-0.003945	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-1.93	-0.002280	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-2.87	-0.003390	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-2.14	-0.002528	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	-4.25	-0.005142	±2.5	PASS



Band5	5MHz	16QAM	20425	25RB#0	VN	NT	-3.93	-0.004755	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	-3.42	-0.004138	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-3.19	-0.003814	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	1.86	0.002224	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	1.91	0.002283	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	-4.14	-0.004891	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	2.17	0.002563	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	-1.29	-0.001524	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-2.05	-0.002473	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-2.70	-0.003257	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	2.44	0.002943	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	1.98	0.002367	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.28	-0.002726	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-3.25	-0.003851	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-1.75	-0.002073	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-2.57	-0.003045	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-3.27	-0.003945	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	3.28	0.003957	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	1.26	0.001520	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	2.38	0.002845	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-3.40	-0.004065	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-1.62	-0.001937	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-2.90	-0.003436	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	1.90	0.002251	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-1.81	-0.002145	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-4.28	-0.005190	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-5.04	-0.006111	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-4.27	-0.005178	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-3.72	-0.004511	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-5.33	-0.006463	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	2.91	0.003479	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	2.57	0.003072	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-1.82	-0.002176	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	1.89	0.002259	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-2.78	-0.003323	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	2.00	0.002358	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-1.36	-0.001603	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-2.58	-0.003041	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	2.32	0.002735	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	1.89	0.002228	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-3.49	-0.004232	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-3.85	-0.004668	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-0.91	-0.001103	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-3.98	-0.004826	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-3.97	-0.004814	±2.5	PASS



Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	1.14	0.001363	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-2.29	-0.002738	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-2.56	-0.003060	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-1.82	-0.002176	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-2.85	-0.003407	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-1.45	-0.001709	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	2.05	0.002417	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-1.94	-0.002287	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-2.45	-0.002888	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-2.18	-0.002570	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-1.17	-0.001417	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-1.44	-0.001744	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	2.74	0.003319	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-2.13	-0.002580	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	2.00	0.002423	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-1.25	-0.001494	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-2.07	-0.002475	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	-3.38	-0.004041	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-3.30	-0.003945	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-1.50	-0.001793	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-2.45	-0.002891	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-3.96	-0.004673	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-4.79	-0.005652	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-2.97	-0.003504	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-3.64	-0.004295	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-2.58	-0.003125	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-3.59	-0.004349	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-2.41	-0.002919	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-1.40	-0.001696	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-3.15	-0.003816	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	2.10	0.002510	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	2.56	0.003060	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	4.28	0.005117	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	2.45	0.002929	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-1.39	-0.001662	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-2.46	-0.002903	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-2.47	-0.002914	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-4.13	-0.004873	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-3.81	-0.004496	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-2.89	-0.003410	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-2.80	-0.003388	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-3.76	-0.004549	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-3.61	-0.004368	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-4.38	-0.005299	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-3.32	-0.004017	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-2.90	-0.003467	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-3.49	-0.004172	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	2.06	0.002463	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	2.74	0.003276	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	2.01	0.002403	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	2.18	0.002575	±2.5	PASS



Band5	5MHz	QPSK	20625	25RB#0	NV	-20	2.19	0.002587	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	1.32	0.001559	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-2.91	-0.003438	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	3.16	0.003733	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-3.32	-0.004017	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-5.07	-0.006134	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-4.35	-0.005263	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-4.13	-0.004997	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-4.63	-0.005602	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-1.51	-0.001805	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-2.58	-0.003084	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-1.92	-0.002295	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	-2.68	-0.003204	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-2.65	-0.003168	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	-3.87	-0.004572	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	3.46	0.004087	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	2.72	0.003213	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	-2.60	-0.003071	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	-3.81	-0.004501	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	1.64	0.001978	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-2.57	-0.003100	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-2.54	-0.003064	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	1.80	0.002171	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-1.83	-0.002207	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.55	-0.003048	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.31	-0.002762	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-2.24	-0.002678	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-3.90	-0.004662	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-2.94	-0.003483	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	2.88	0.003412	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	2.71	0.003211	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-1.54	-0.001825	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-2.90	-0.003436	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	2.38	0.002871	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-2.88	-0.003474	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-1.72	-0.002075	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-4.19	-0.005054	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-1.25	-0.001508	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-1.89	-0.002259	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-1.99	-0.002379	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-3.04	-0.003634	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-2.66	-0.003180	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	1.68	0.001991	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-2.02	-0.002393	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	1.64	0.001943	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	2.22	0.002630	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	2.57	0.003045	±2.5	PASS



6 Appendix B

Antenna Port Conducted Test				
Equipment	Model No.	Serial Number	Manufacturer	Cal. Due
Communication Shielded Room 1	4m*3m*3m	CRTDSWKS44301	CRT	2024/04/24
Spectrum Analyzer	FSV30	104337	R&S	2022/11/03
Comprehensive Test Instrument	CMW500	137779	R&S	2022/06/30
LTE Comprehensive Test Instrument	E7515A	MY58010639	KEYSIGHT	2022/04/14
Analog Signal Generator	SMA100B	103663	R&S	2022/06/30
Vector Signal Generator	SMBV100B	101757	R&S	2022/06/30
Programmable DC Power Supply	E3642A	MY59108106	KEYSIGHT	2022/08/05

Radiated Emission Test - 3M Chamber				
Equipment	Model No.	Serial Number	Manufacturer	Cal. Due
3m Semi-Anechoic Chamber	FACT-4	ST08035	ETS	2024/12/12
Spectrum Analyzer	N9010B	MY57470323	KEYSIGHT	2022/03/04
EMI Test Receiver	N9038A-508	MY532290079	Agilent	2022/03/05
Broadband Antenna	VULB 9163	9163-530	SCHWARZBECK	2022/06/26
Waveguide Horn Antenna	HF906	360306/008	R&S	2022/03/05
Waveguide Horn Antenna	BBHA9170	00949	SCHWARZBECK	2022/08/27
Preamplifier	BBV 9721	9721-050	SCHWARZBECK	2022/06/30
5G Bandstop Filters	WRCJV12-4900-5100-5900-6100-50EE	1	WI	2021/12/16
Comprehensive tester	CMW500	159000	R&S	2022/01/04



Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

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