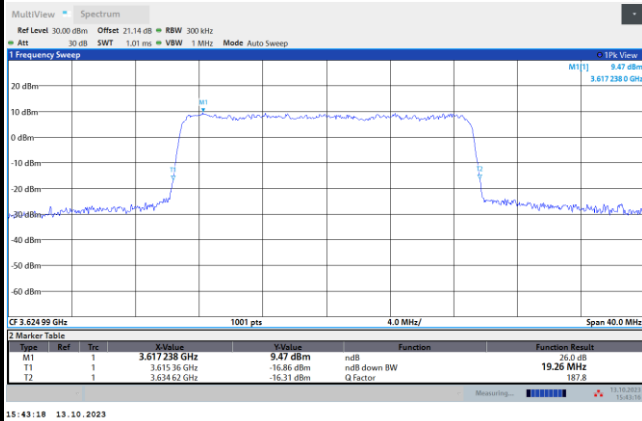
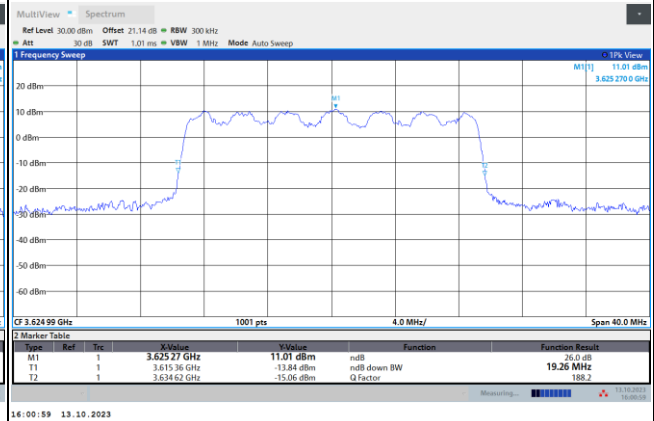


FR1 n48 / 20MHz / Middle Channel / 26dB BW

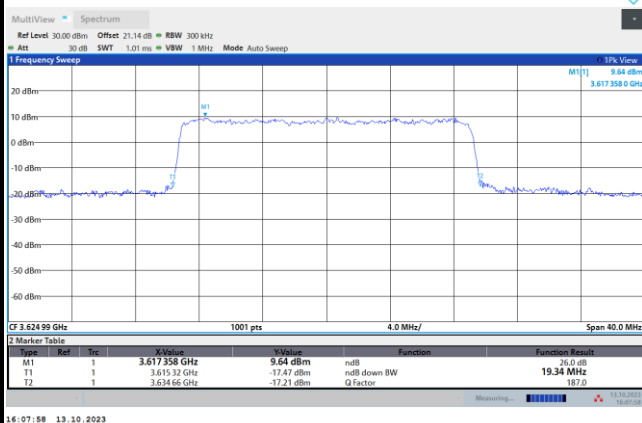
QPSK



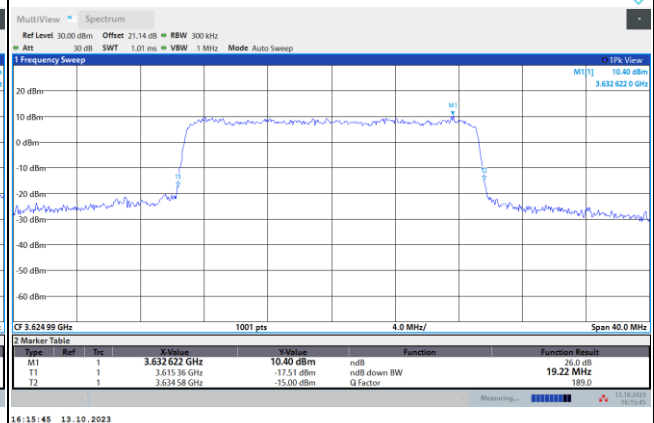
16QAM



64QAM



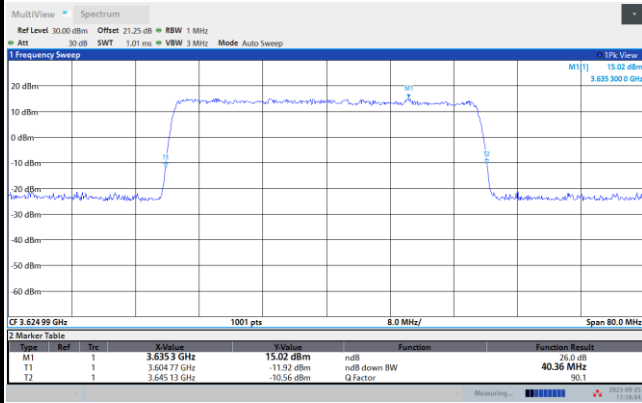
256QAM



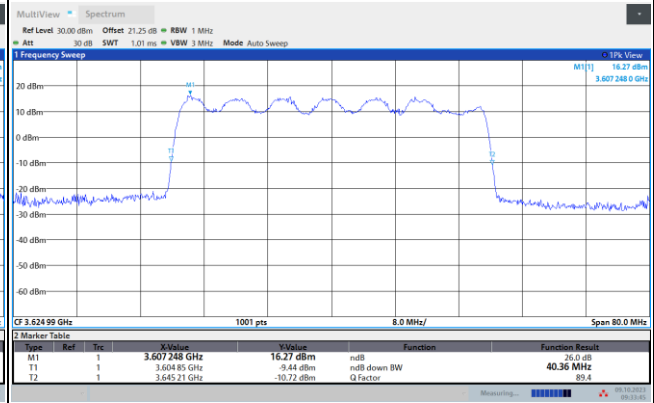


FR1 n48 / 40MHz / Middle Channel / 26dB BW

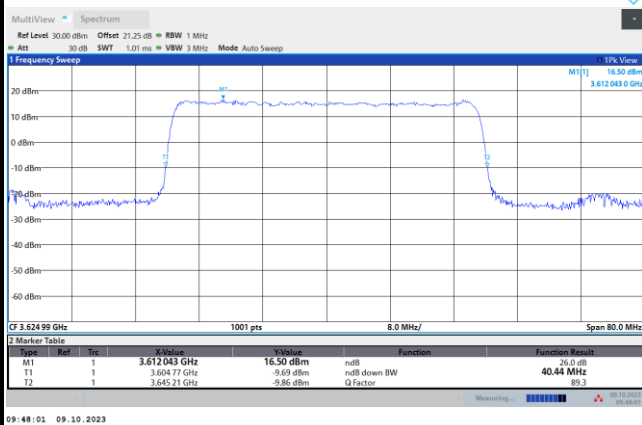
QPSK



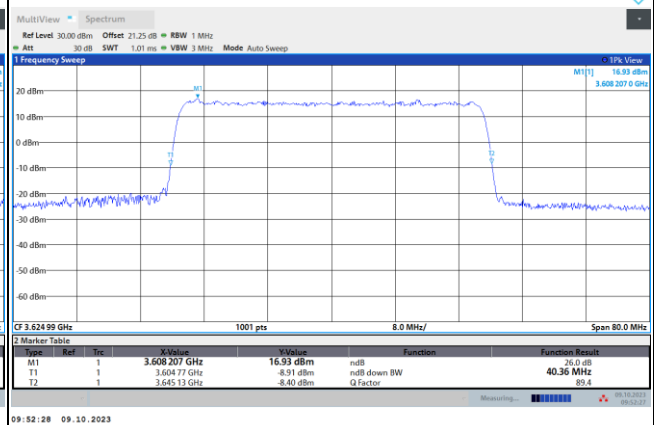
16QAM



64QAM



256QAM



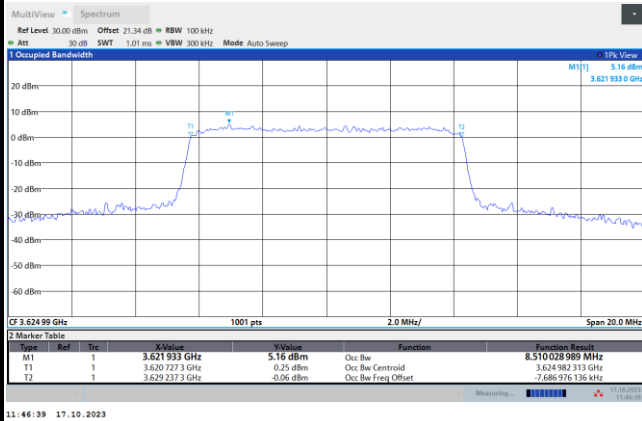
**Occupied Bandwidth**

Mode	FR1 n48 : 99%OBW (MHz)							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.51	8.43	18.09	18.14	37.87	38.09	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.51	8.51	18.14	18.08	37.96	37.89	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

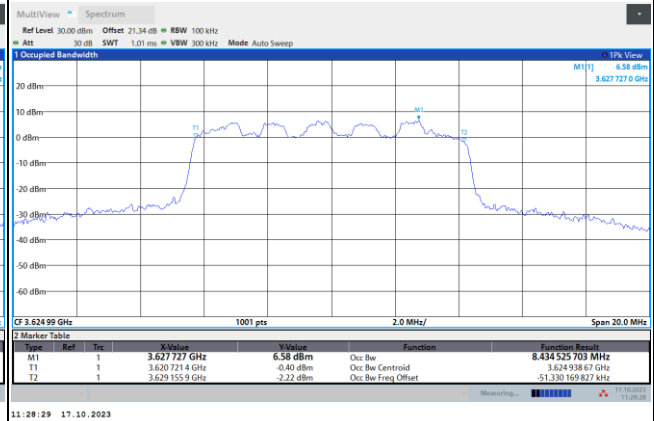


FR1 n48 / 10MHz / Middle Channel / 99%OBW

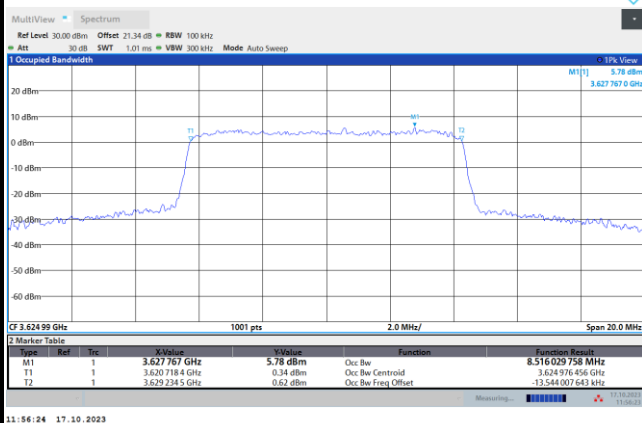
QPSK



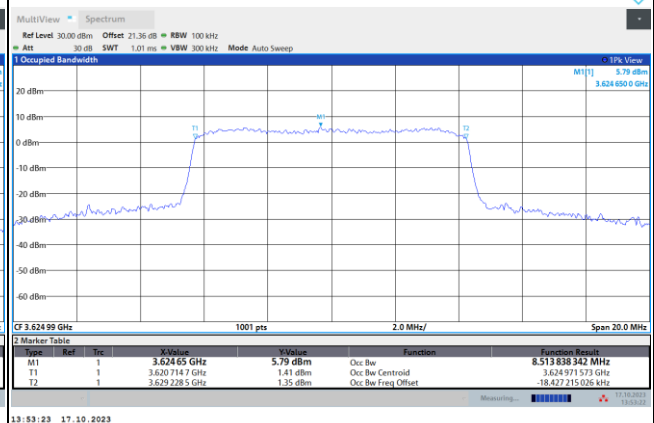
16QAM



64QAM



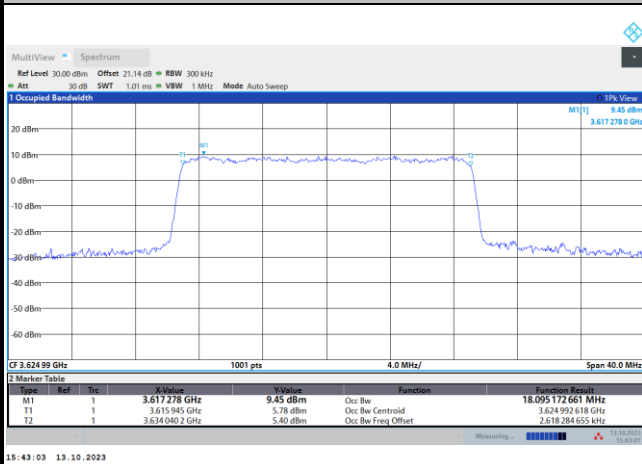
256QAM



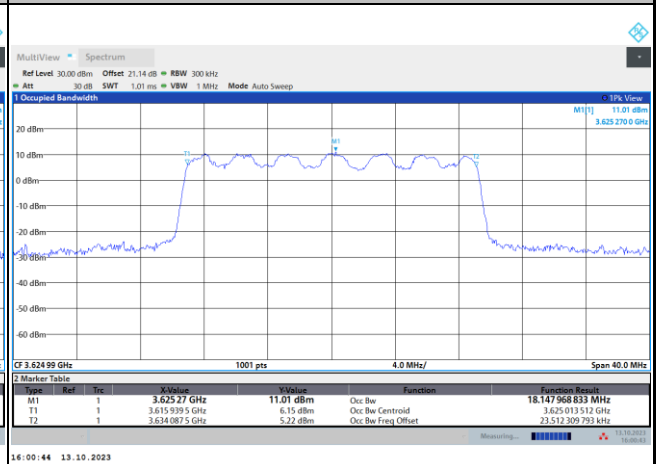


FR1 n48 / 20MHz / Middle Channel / 99%OBW

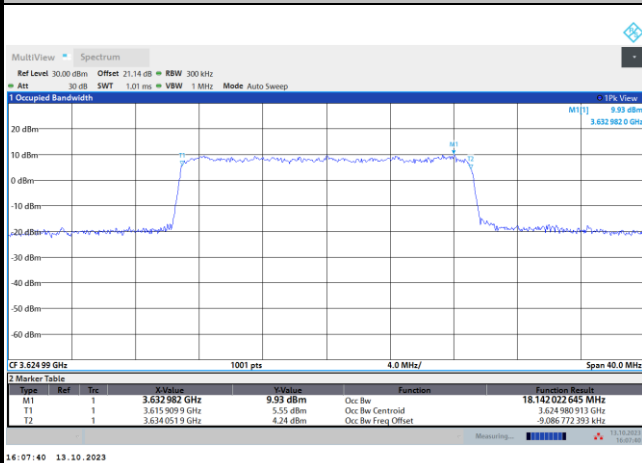
QPSK



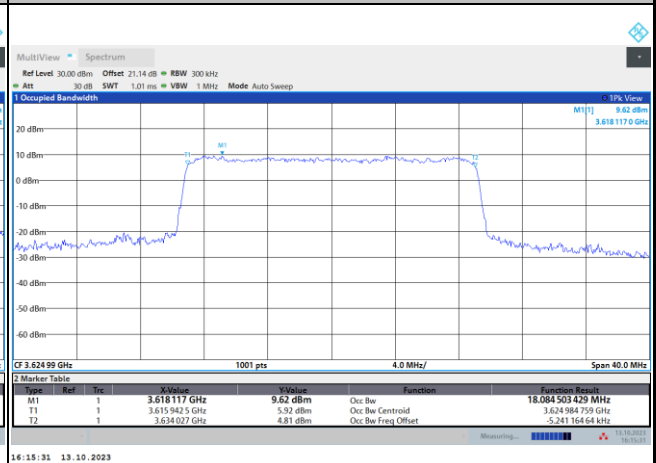
16QAM



64QAM



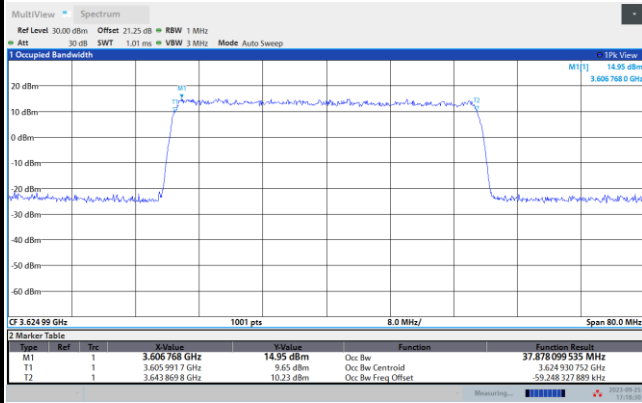
256QAM



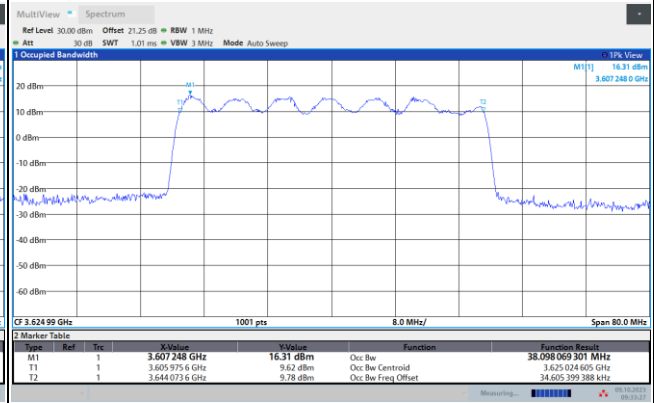


FR1 n48 / 40MHz / Middle Channel / 99%OBW

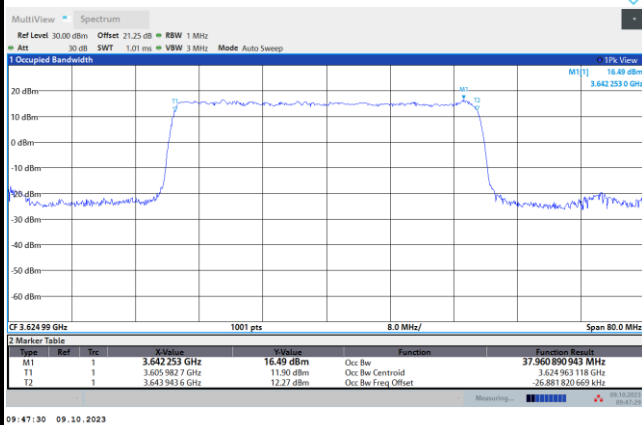
QPSK



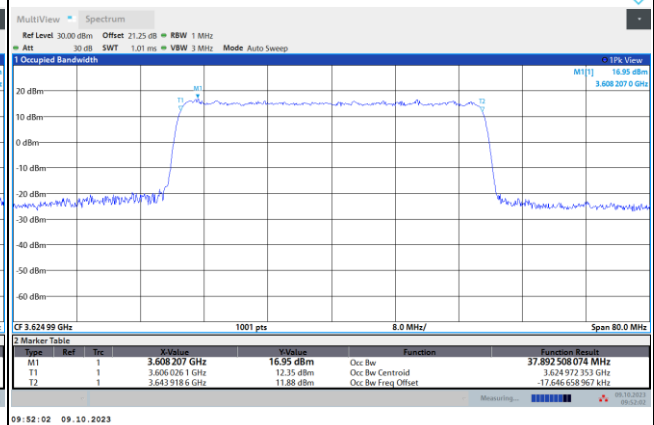
16QAM



64QAM



256QAM

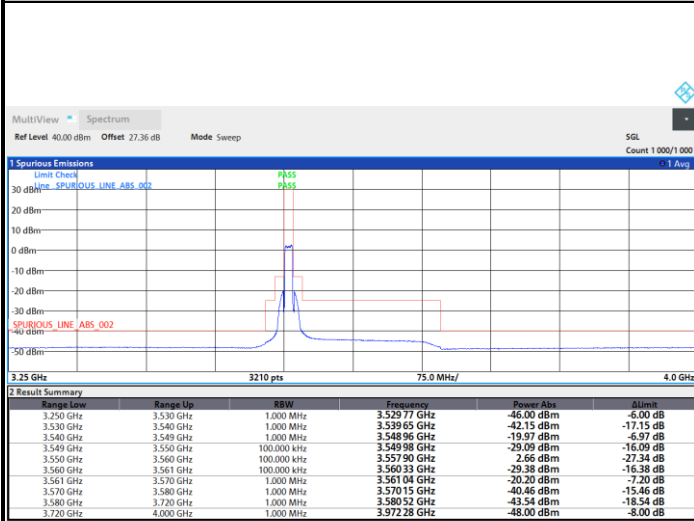




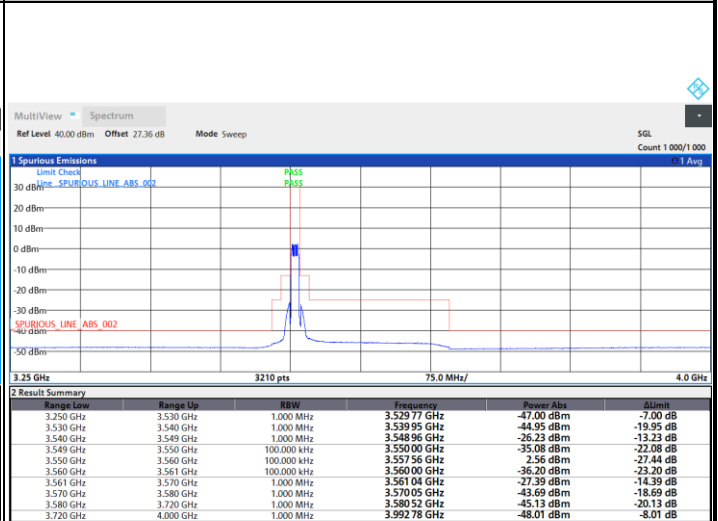
Unwanted Emission (MASK)

FR1 n48 / 10MHz / Lowest Channel / MASK

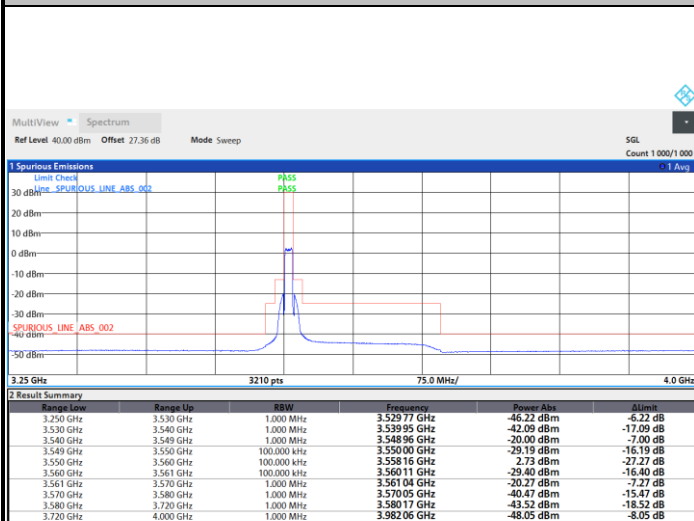
QPSK



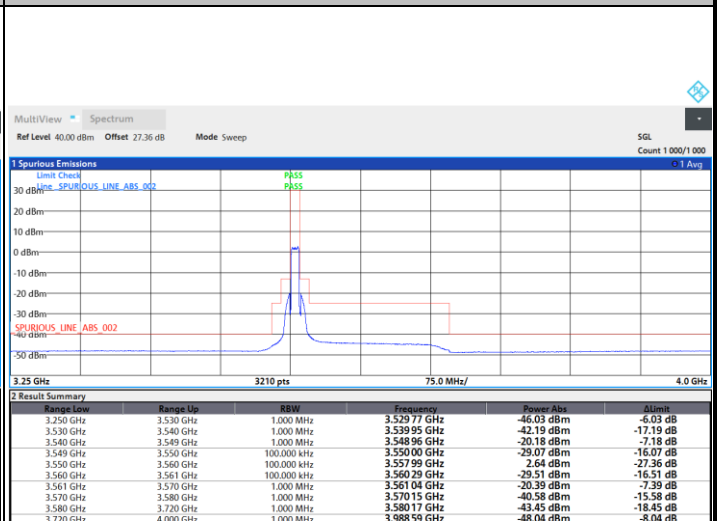
16QAM



64QAM



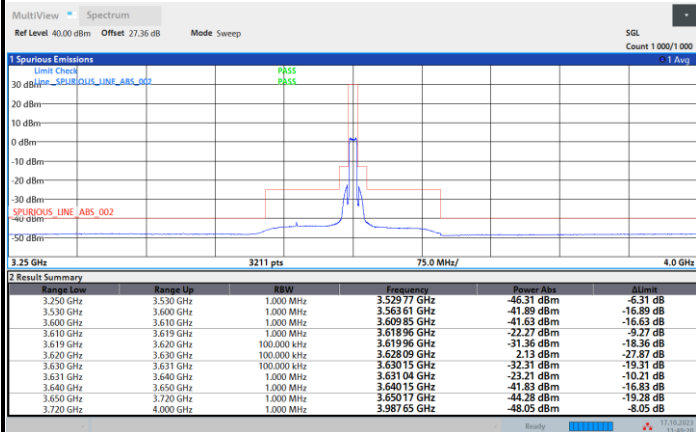
256QAM





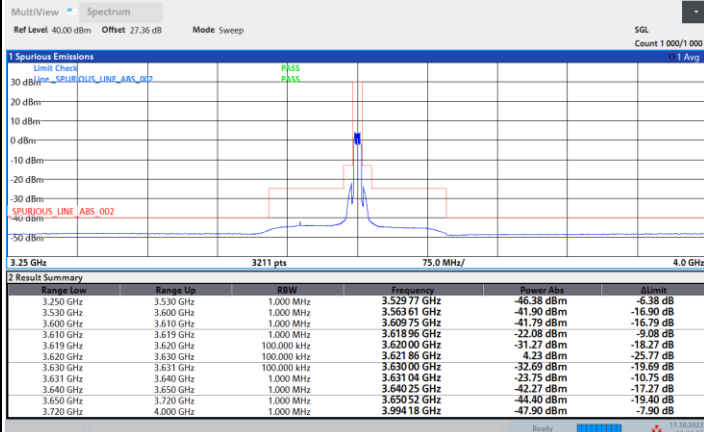
FR1 n48 / 10MHz / Middle Channel / MASK

QPSK



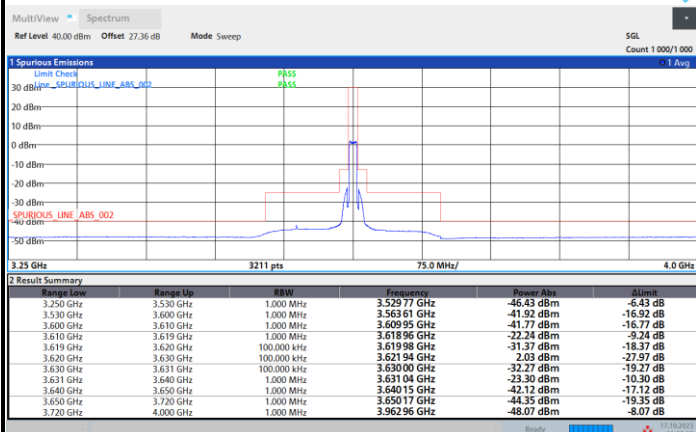
11:49:20 17.10.2023

16QAM



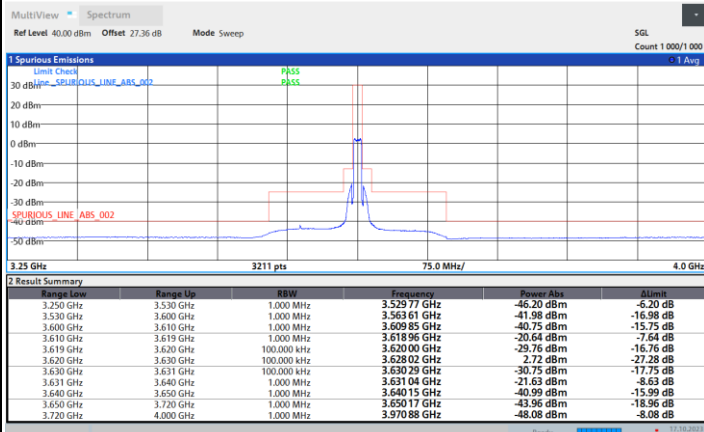
11:30:23 17.10.2023

64QAM



11:58:17 17.10.2023

256QAM

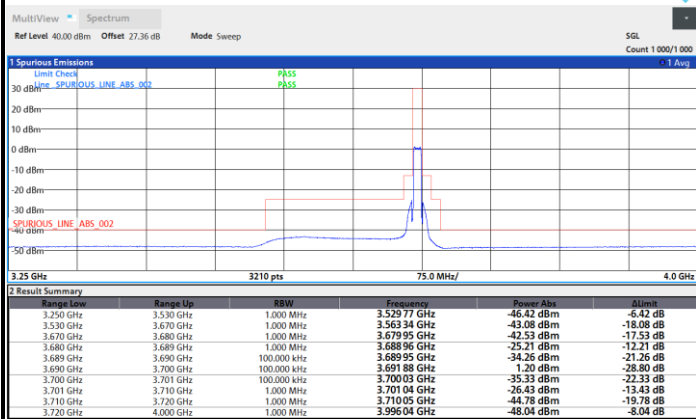


13:55:19 17.10.2023



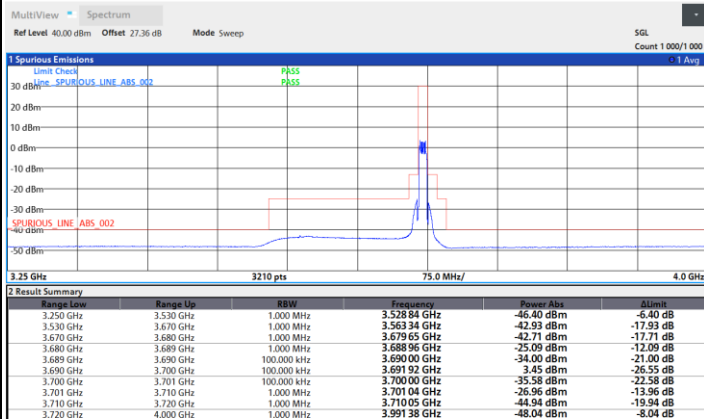
FR1 n48 / 10MHz / Highest Channel / MASK

QPSK



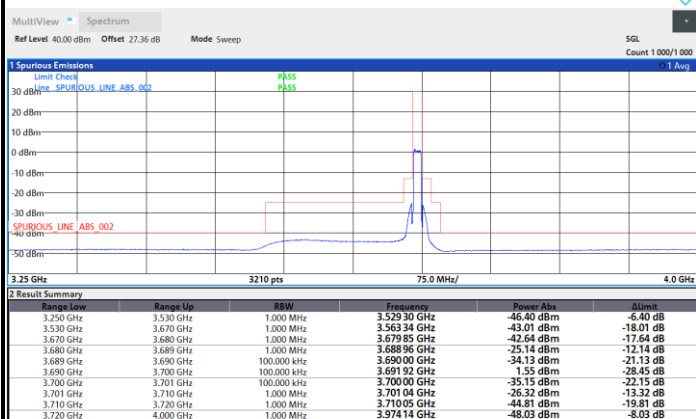
14:03:56 17.10.2023

16QAM



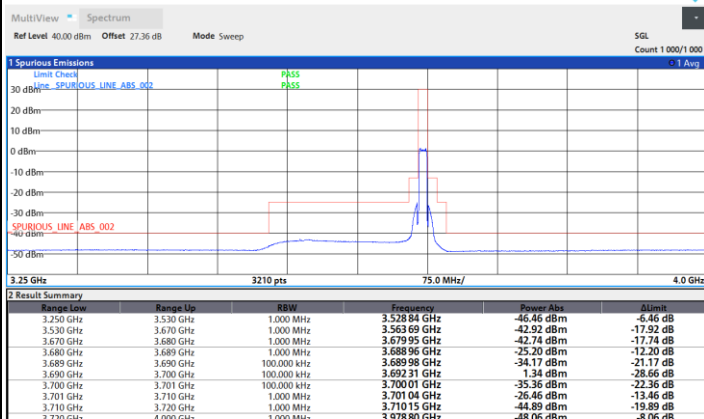
14:09:23 17.10.2023

64QAM



14:14:16 17.10.2023

256QAM

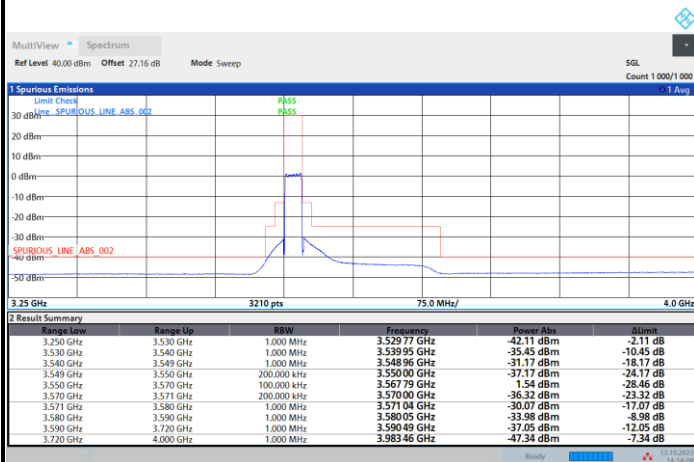


14:19:42 17.10.2023



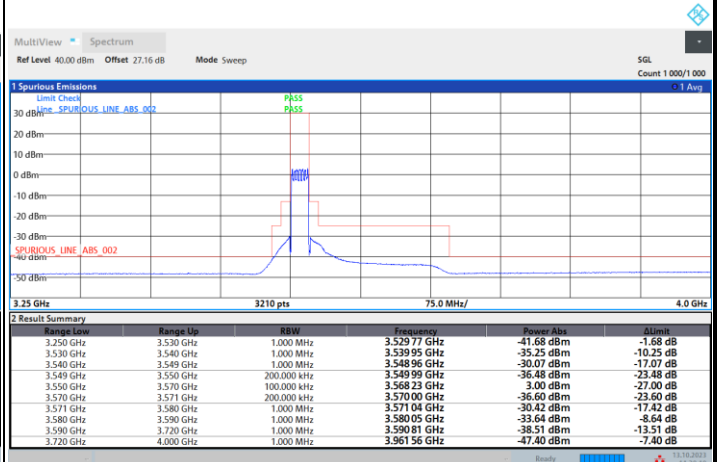
FR1 n48 / 20MHz / Lowest Channel / MASK

QPSK



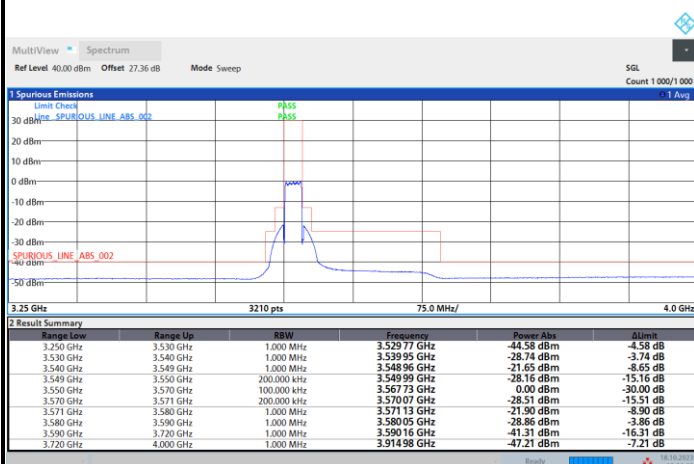
14:14:09 13.10.2023

16QAM



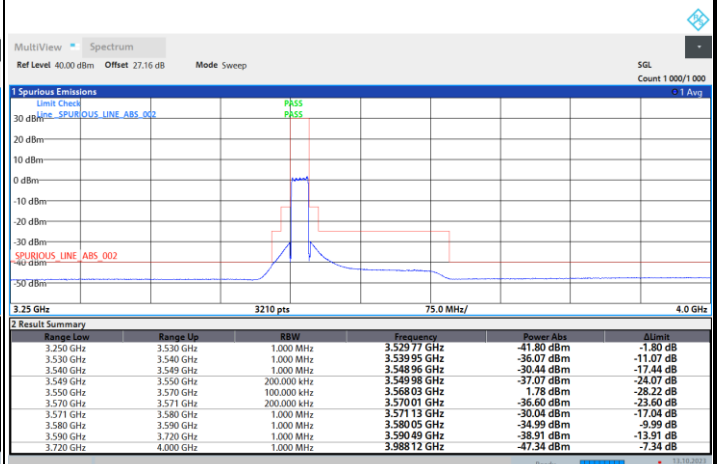
14:20:20 13.10.2023

64QAM



10:24:34 18.10.2023

256QAM

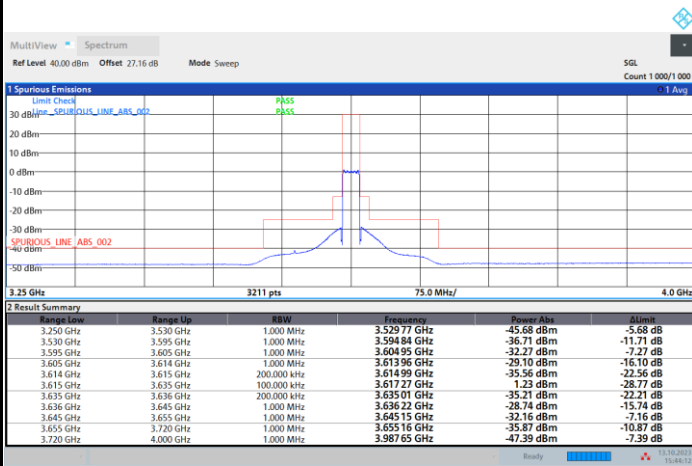


15:02:27 13.10.2023



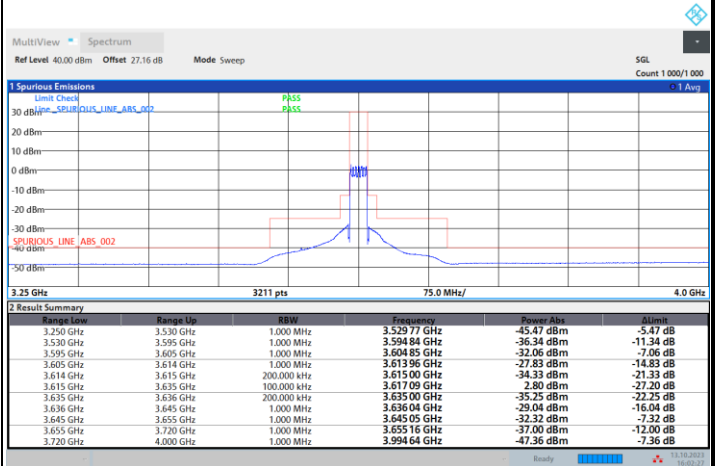
FR1 n48 / 20MHz / Middle Channel / MASK

QPSK



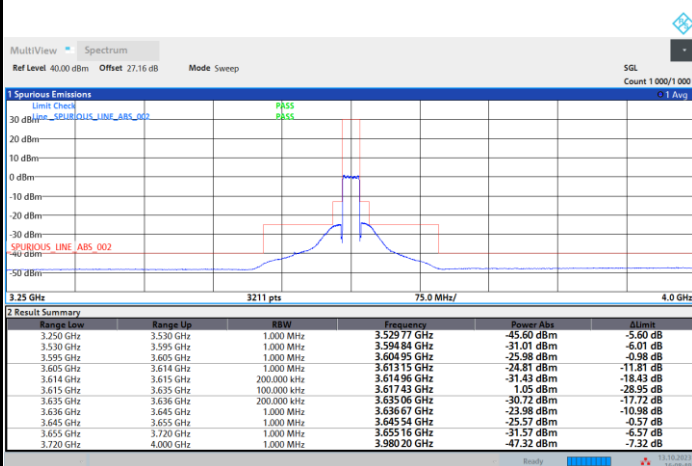
15:44:12 13.10.2023

16QAM



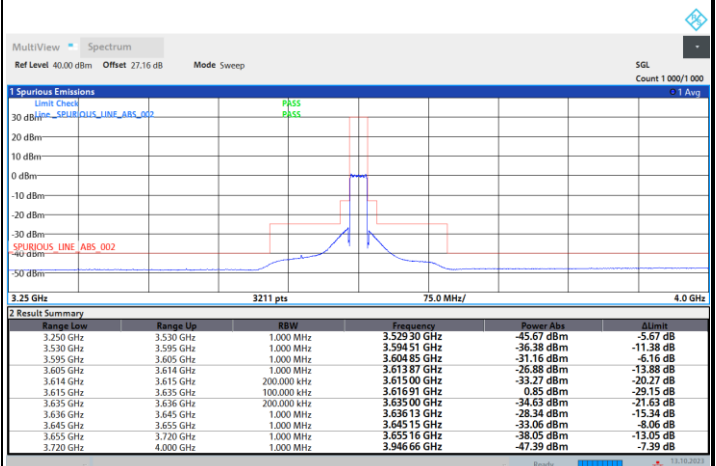
16:02:28 13.10.2023

64QAM



16:08:51 13.10.2023

256QAM

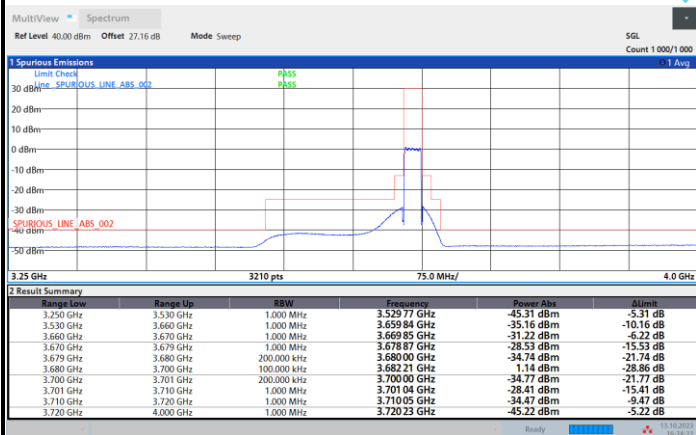


16:16:49 13.10.2023



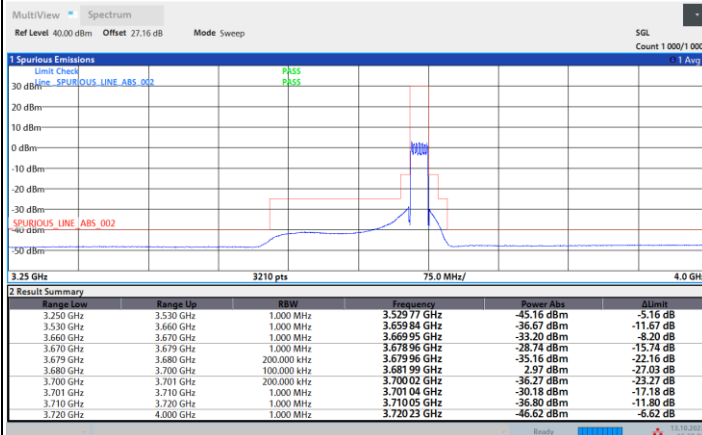
FR1 n48 / 20MHz / Highest Channel / MASK

QPSK



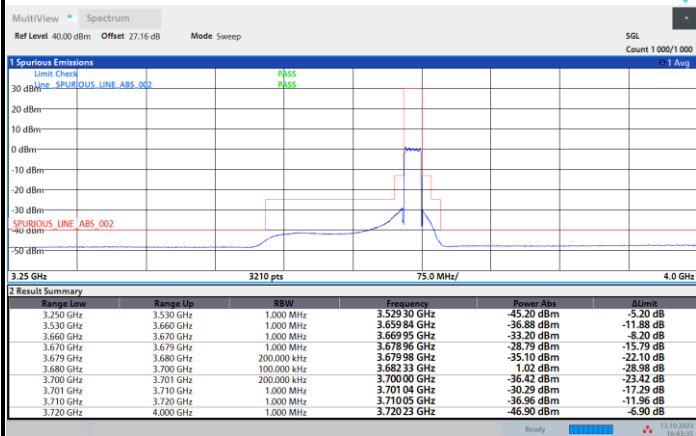
16:24:23 13.10.2023

16QAM



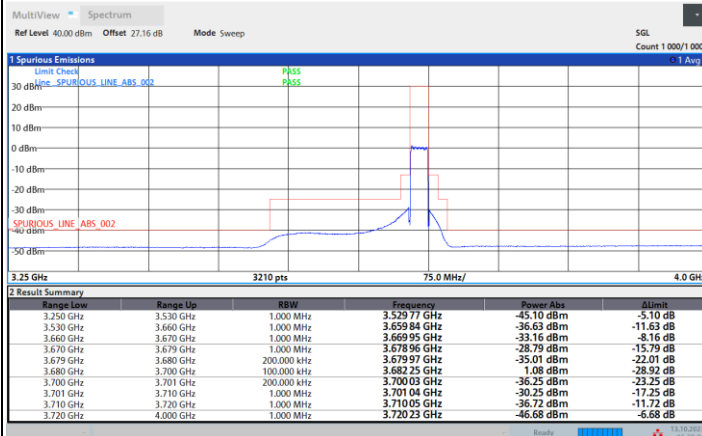
16:29:02 13.10.2023

64QAM



16:43:36 13.10.2023

256QAM

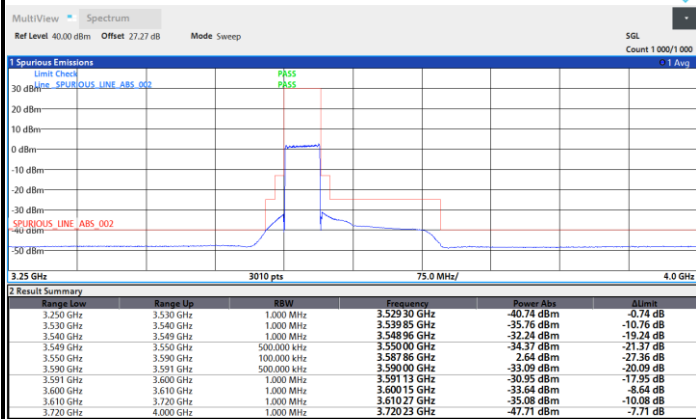


16:39:05 13.10.2023



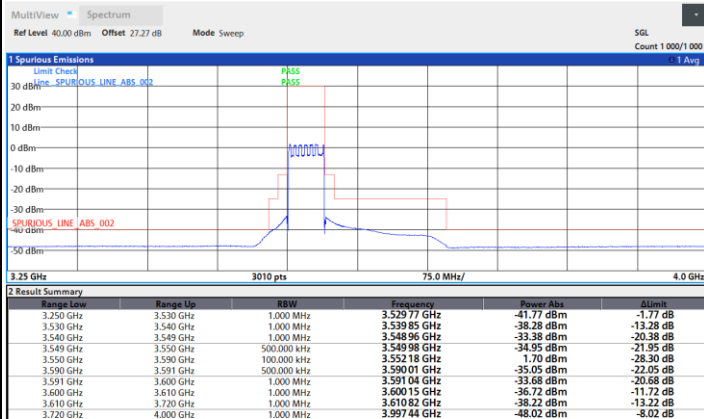
FR1 n48 / 40MHz / Lowest Channel / MASK

QPSK



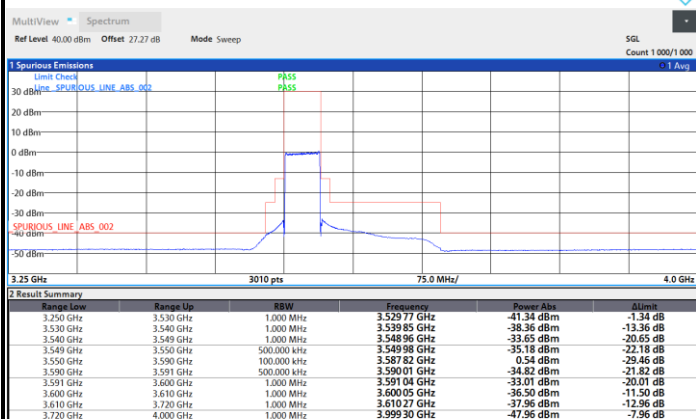
14:47:43 04.10.2023

16QAM



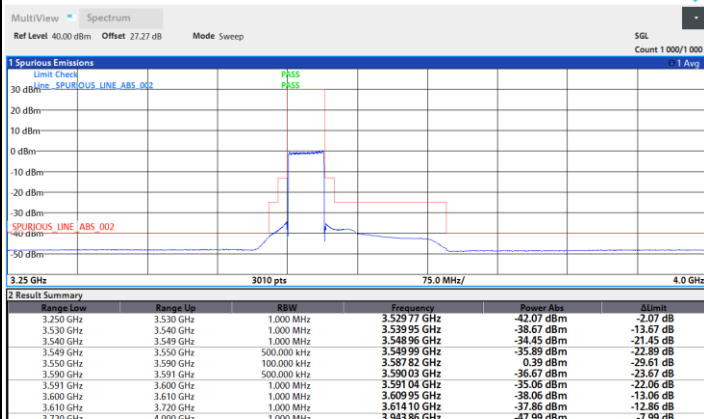
15:32:51 04.10.2023

64QAM



15:14:13 04.10.2023

256QAM

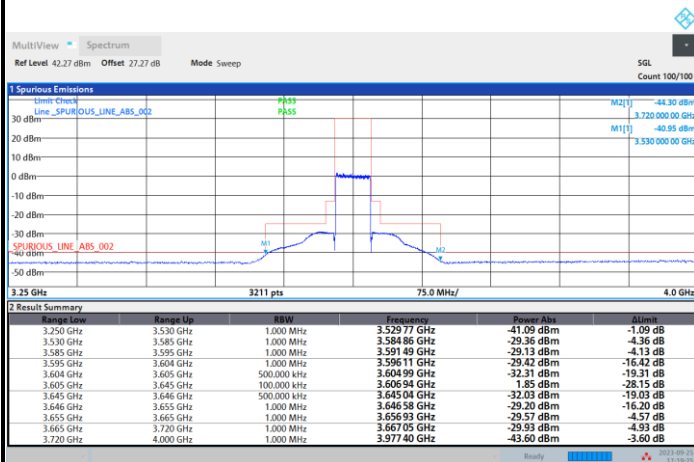


15:46:38 04.10.2023

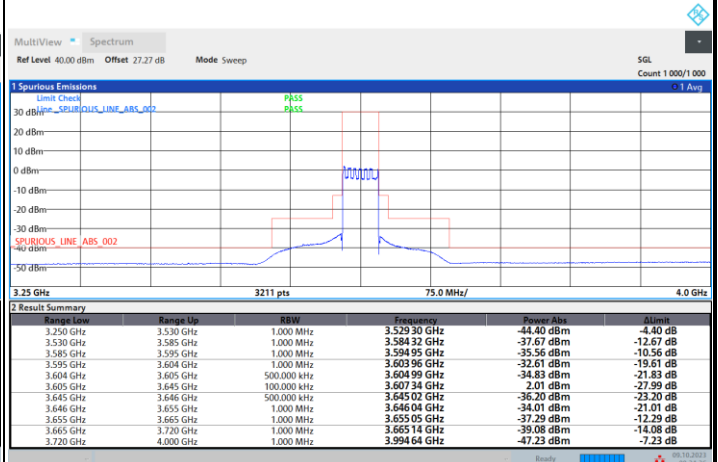


FR1 n48 / 40MHz / Middle Channel / MASK

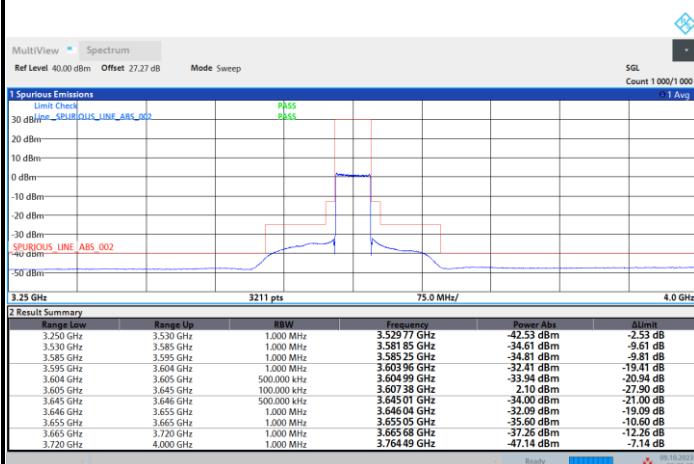
QPSK



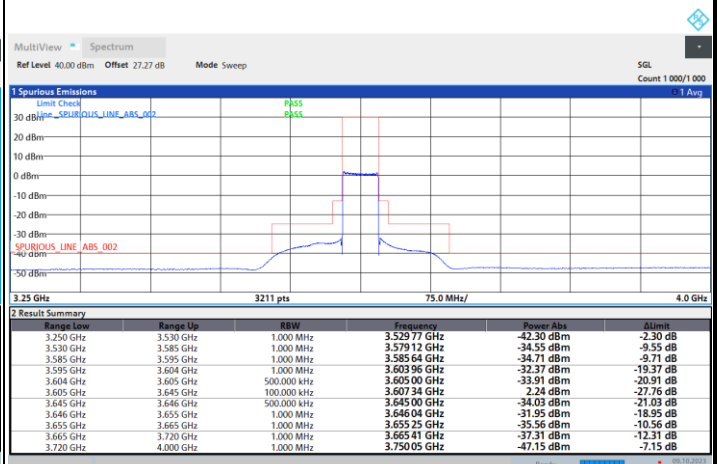
16QAM



64QAM



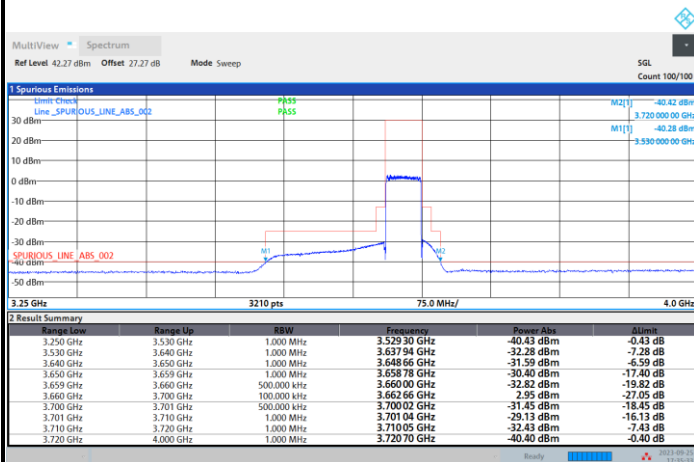
256QAM





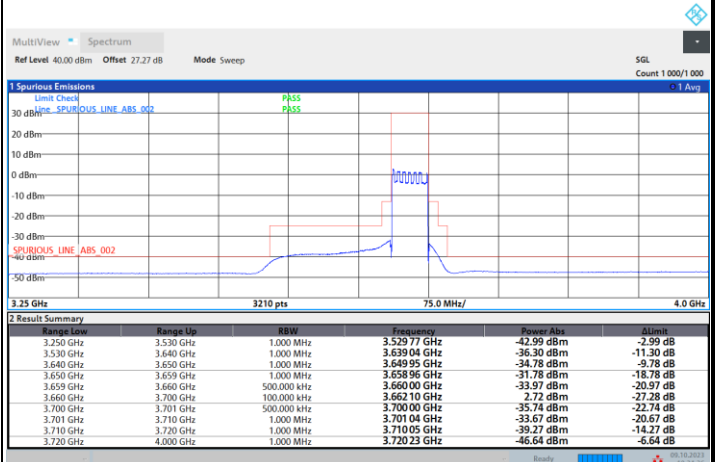
FR1 n48 / 40MHz / Highest Channel / MASK

QPSK



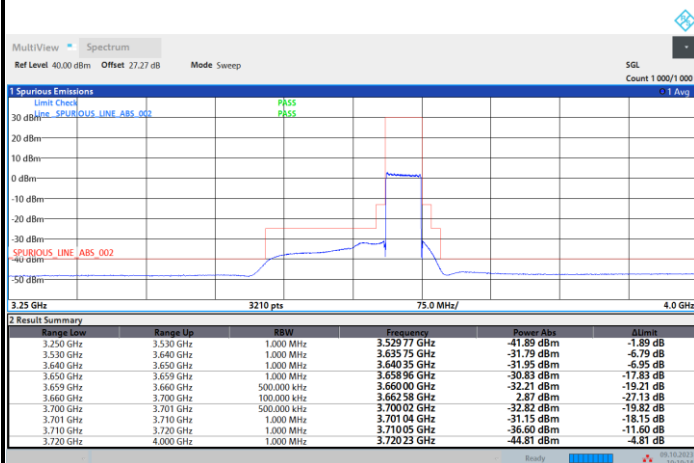
05:35:33 PM 09/25/2023

16QAM



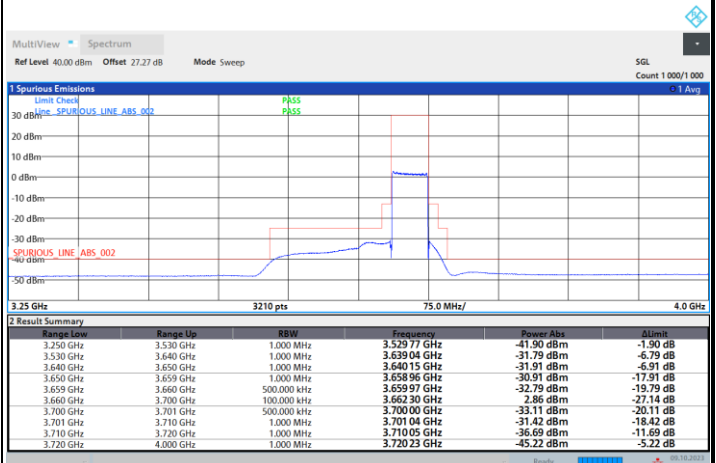
10:24:37 09.10.2023

64QAM



10:10:15 09.10.2023

256QAM



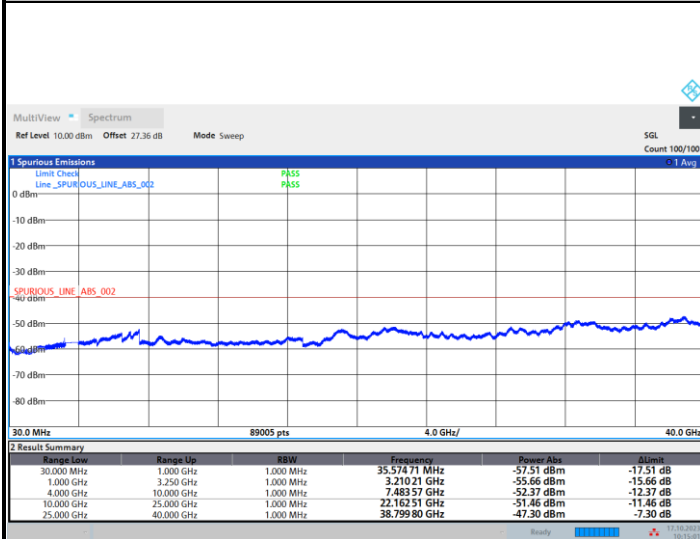
10:21:22 09.10.2023



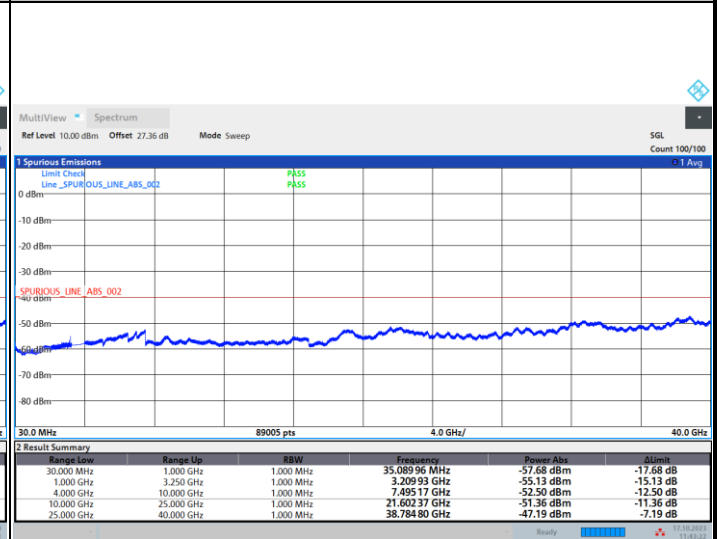
Conducted Spurious Emission

FR1 n48 / 10MHz / QPSK / CSE

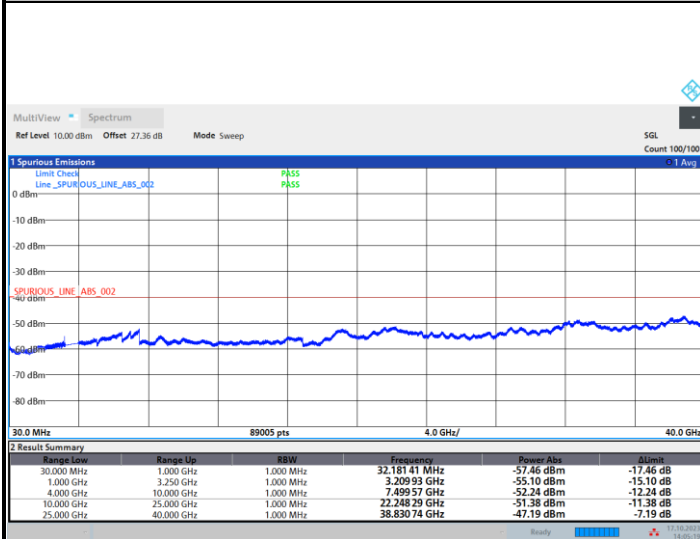
Lowest Channel



Middle Channel



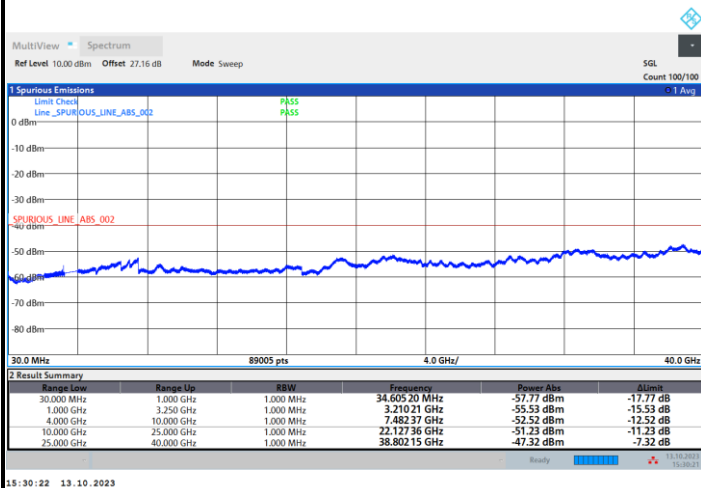
Highest Channel



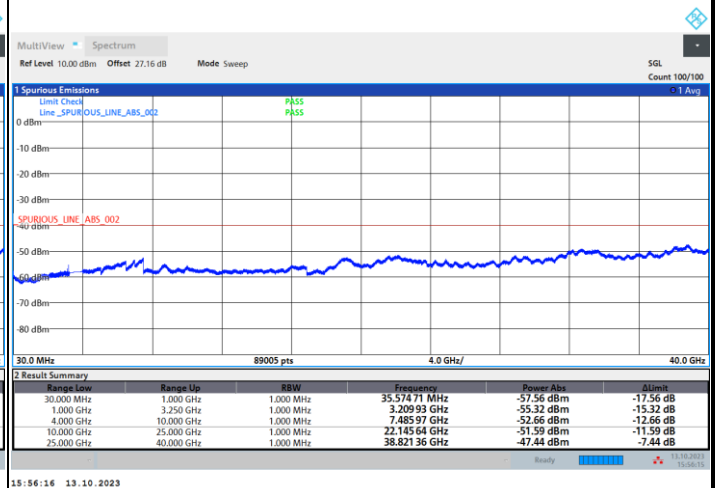


FR1 n48 / 20MHz / QPSK / CSE

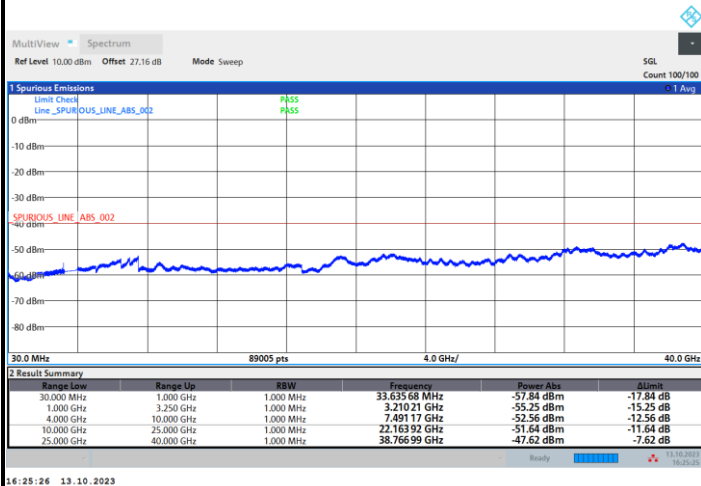
Lowest Channel



Middle Channel



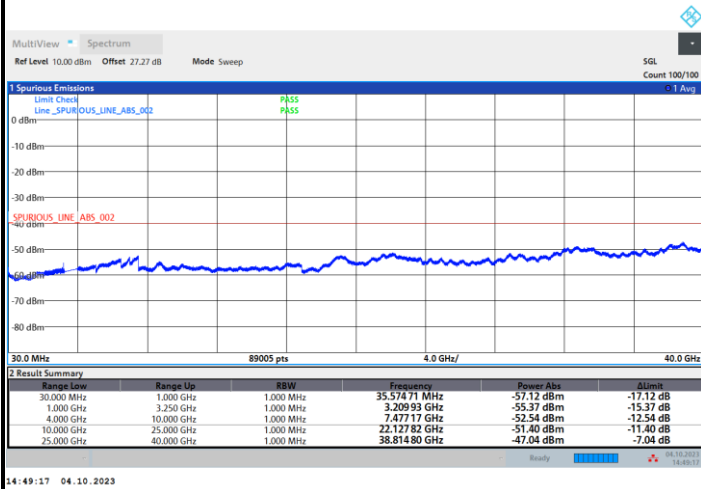
Highest Channel



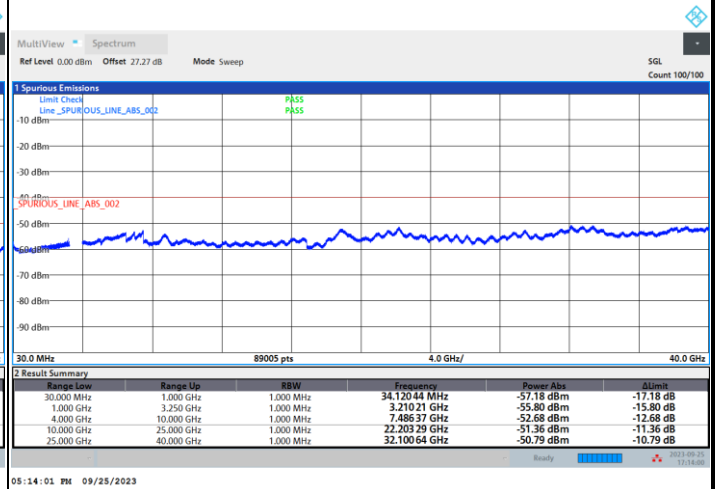


FR1 n48 / 40MHz / QPSK / CSE

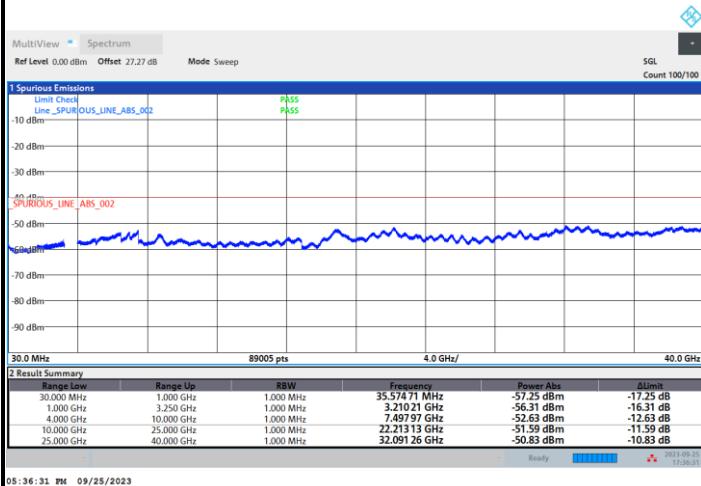
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Frequency offset (ppm)	Result
50	Normal Voltage	0.3862	PASS
40	Normal Voltage	0.2207	
30	Normal Voltage	0.1655	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.3310	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.1655	
-20	Normal Voltage	0.1103	
-30	Normal Voltage	0.6621	
20	Maximum Voltage	0.7172	
20	Normal Voltage	0.0552	
20	Minimum Voltage	0.1062	

Note:

1. Normal Voltage = 110 V. ; Minimum Voltage = 100 V. ; Maximum Voltage = 240 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



<MIMO ANT 3>

Maximum EIRP (dBm/10MHz)

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Lowest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	12.58	12.63	14.48	12.50	13.68	13.29	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	12.59	12.58	14.48	14.51	14.83	14.87	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	-	-	-	-

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Lowest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	26.10	26.15	28.00	26.02	27.20	26.81	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	26.11	26.10	28.00	28.03	28.35	28.39	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	-	-	-	-
Limit	30dBm/10MHz							
Result	PASS							

Note

1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 7.5dBi MIMO antenna gain.

Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Middle Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	12.63	12.61	14.61	12.53	13.67	11.19	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	12.56	12.66	14.60	14.51	15.28	15.20	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Middle Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	26.15	26.13	28.13	26.05	27.19	24.71	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	26.08	26.18	28.12	28.03	28.80	28.72	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-
Limit	30dBm/10MHz							
Result	PASS							

Note

1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 7.5dBi MIMO antenna gain.



Mode	FR1 n48 : Conducted (dBm/10MHz) <SISO> Highest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	13.83	13.81	13.80	13.69	14.72	12.86	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	13.78	13.82	13.84	13.86	14.56	14.62	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	-	-	-	-	-	-	-	-

Mode	FR1 n48 : Maximum EIRP (dBm/10MHz) <MIMO 4TX> Highest Channel							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	27.35	27.33	27.32	27.21	28.24	26.38	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	27.30	27.34	27.36	27.38	28.08	28.14	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Highest CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Highest CH	-	-	-	-	-	-	-	-
Limit	30dBm/10MHz							
Result	PASS							

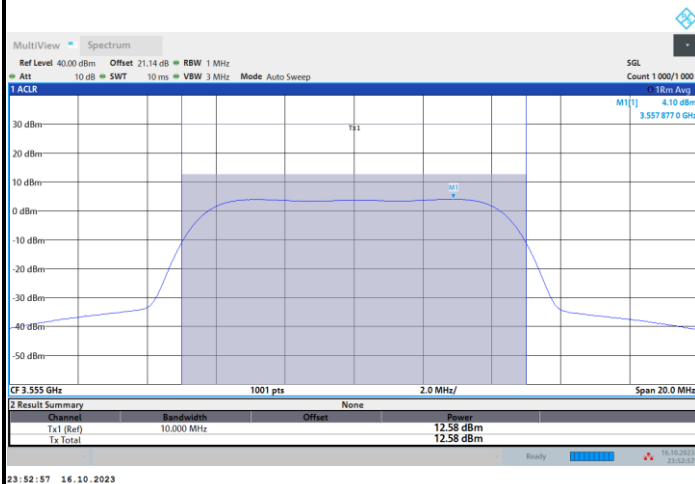
Note

1. The measured conducted result has included duty cycle offset factor.
2. The Maximum EIRP = conducted result + 6.02dB (4TX) + 7.5dBi MIMO antenna gain.



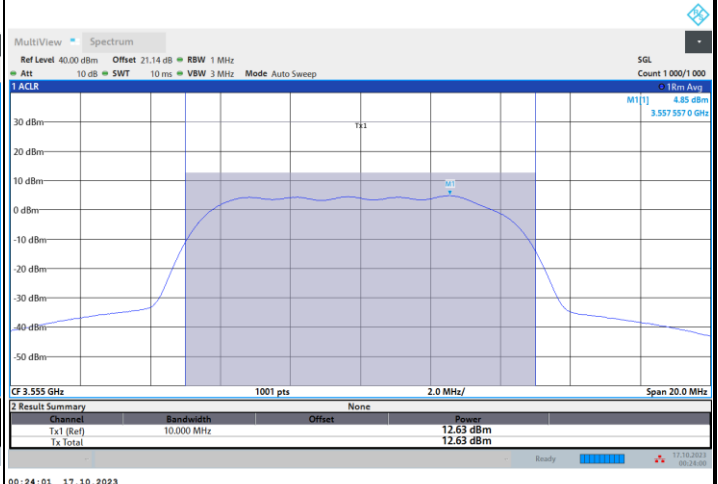
FR1 n48 / 10MHz / Lowest Channel / Conducted (dBm/10MHz)

QPSK



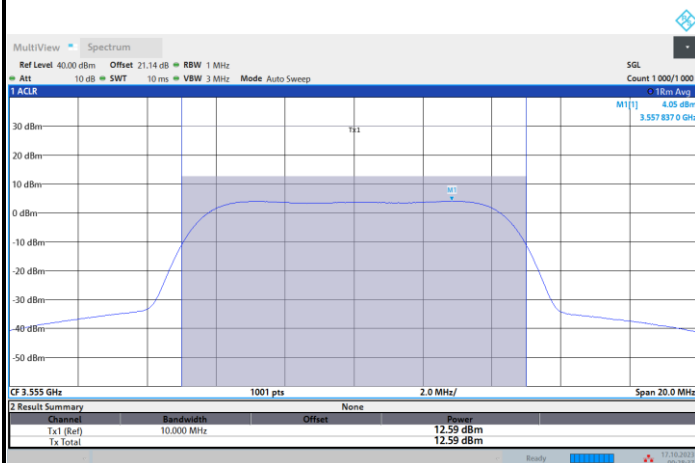
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16QAM



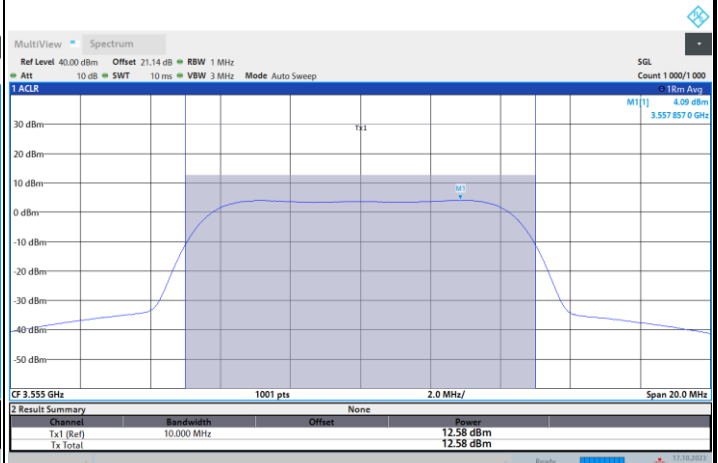
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64QAM



00:28:38 17.10.2023

256QAM

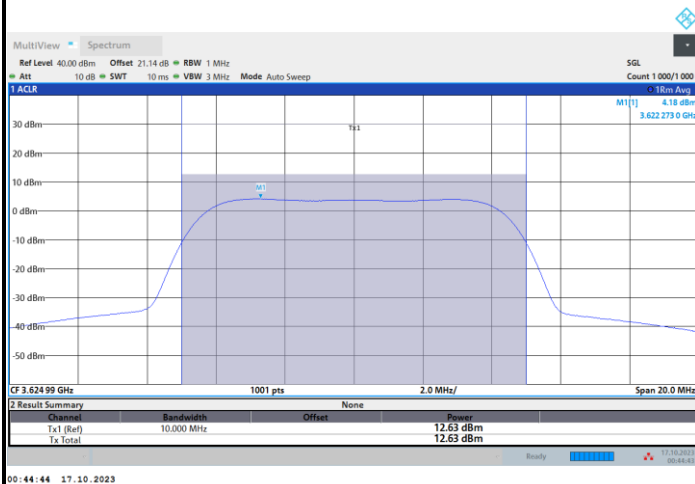


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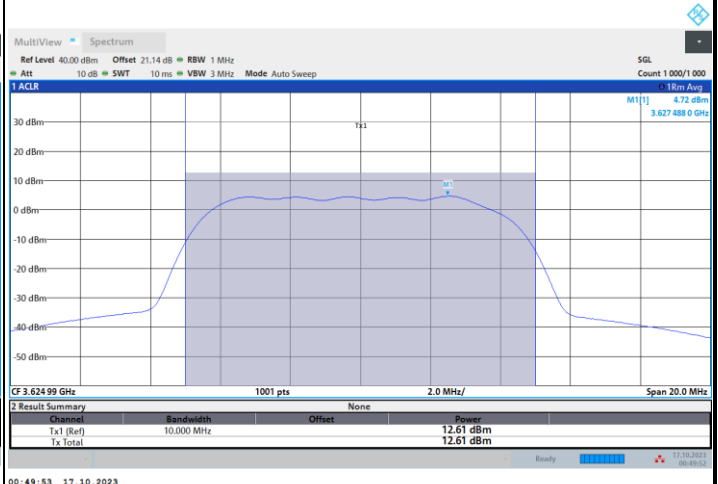
FR1 n48 / 10MHz / Middle Channel / Conducted (dBm/10MHz)

QPSK



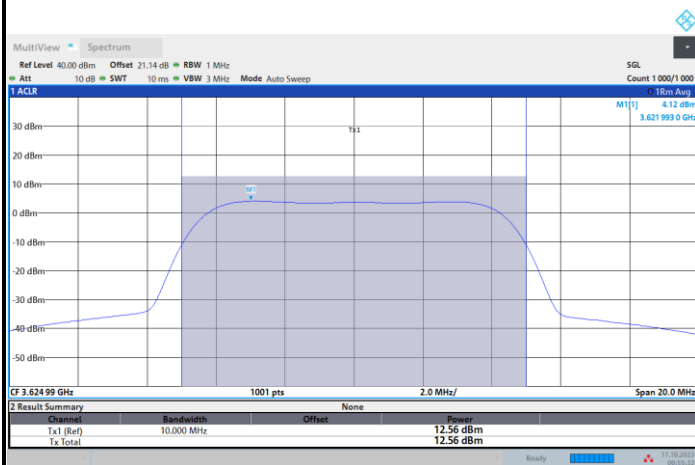
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16QAM



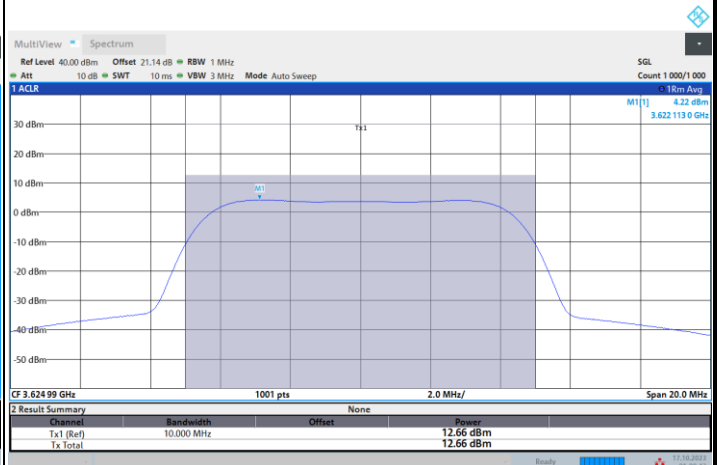
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64QAM



00:55:32 17.10.2023

256QAM



01:00:44 17.10.2023