



FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

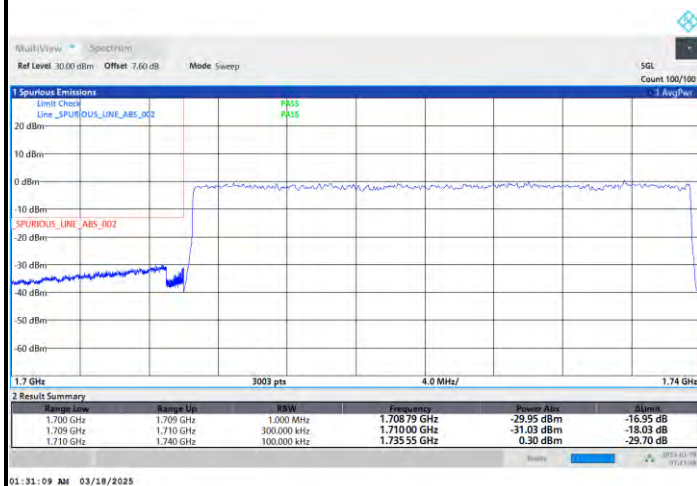


Highest Band Edge / Full RB



FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



**FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM****Lowest Band Edge / Full RB**

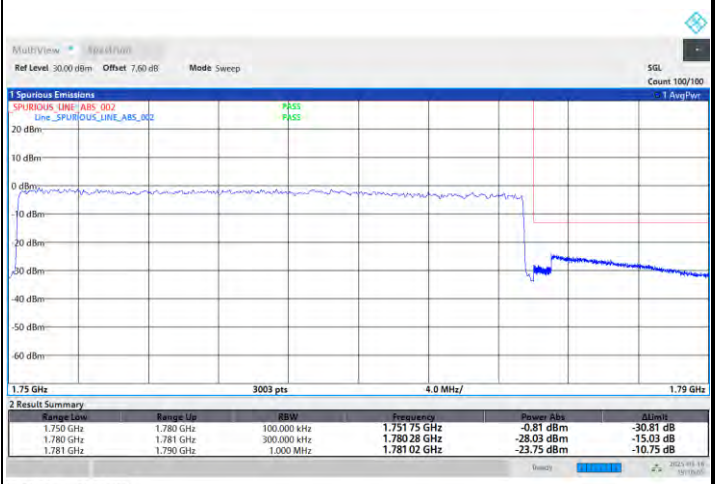
01:30:08 AM 03/18/2025

Highest Band Edge / Full RB

07:15:04 PM 03/18/2025

FR1 n66 / 30MHz / CP OFDM / QPSK / Full RB**Lowest Band Edge**

07:09:05 PM 03/18/2025

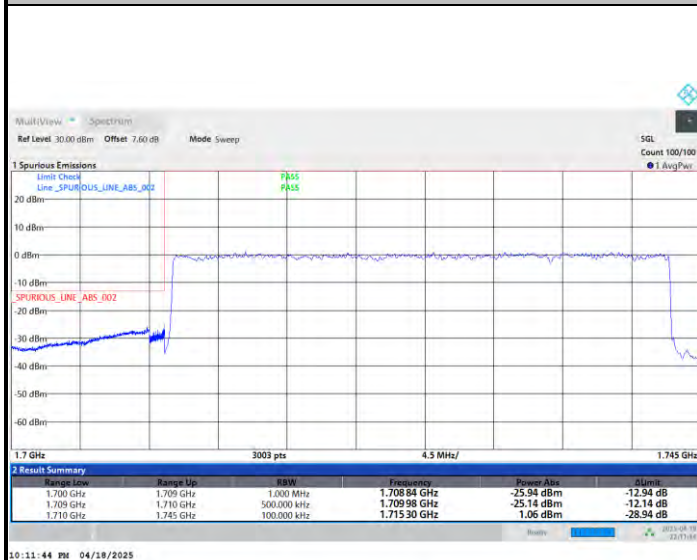
Highest Band Edge

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FR1 n66 / 35MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

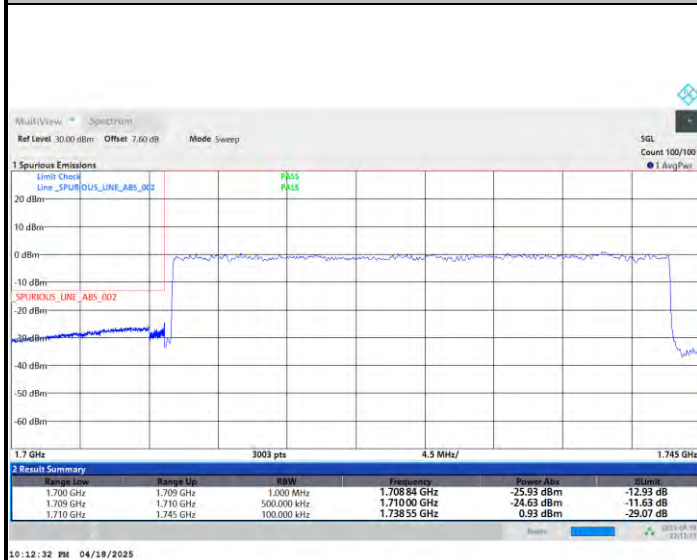


Highest Band Edge / Full RB



FR1 n66 / 35MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



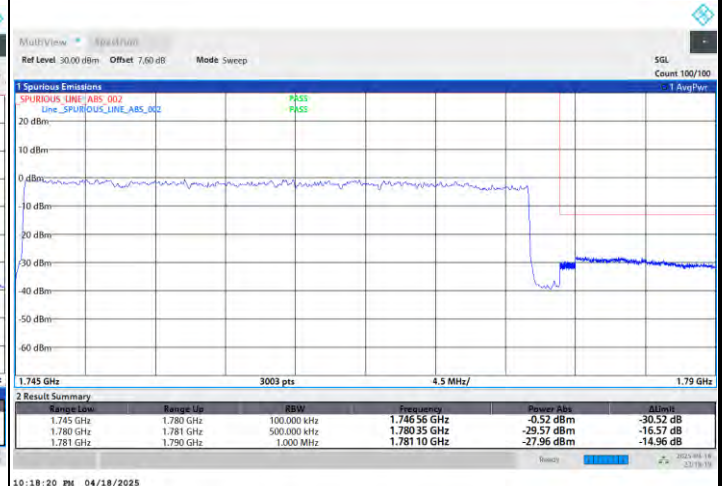


FR1 n66 / 35MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



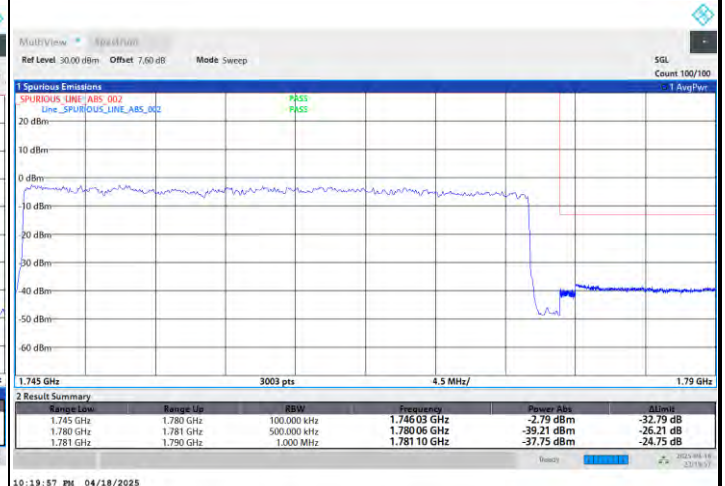
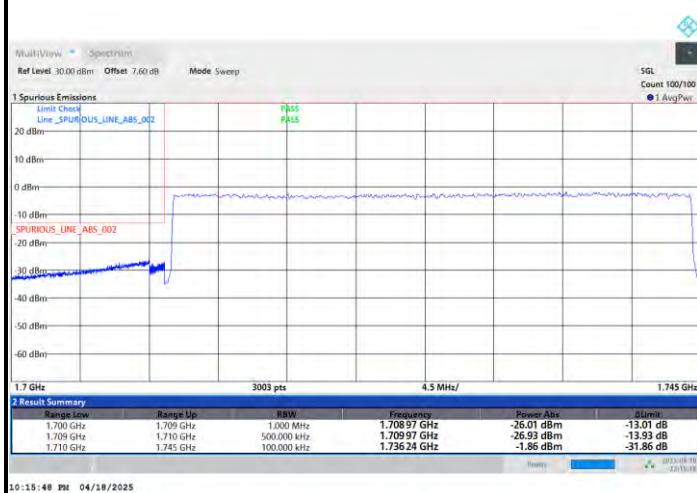
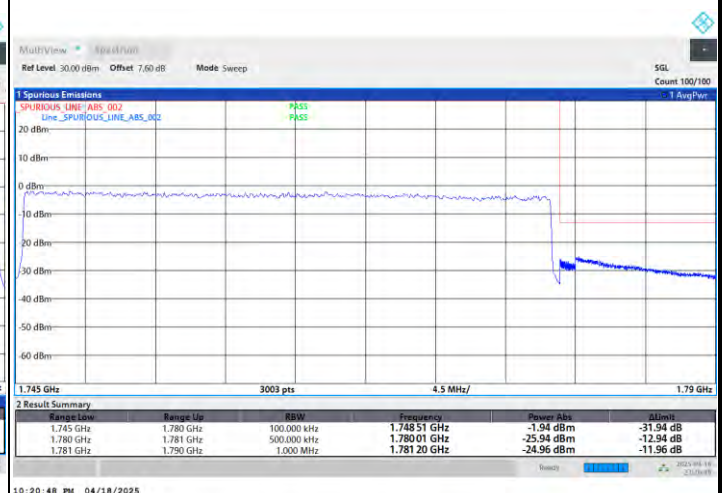
FR1 n66 / 35MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

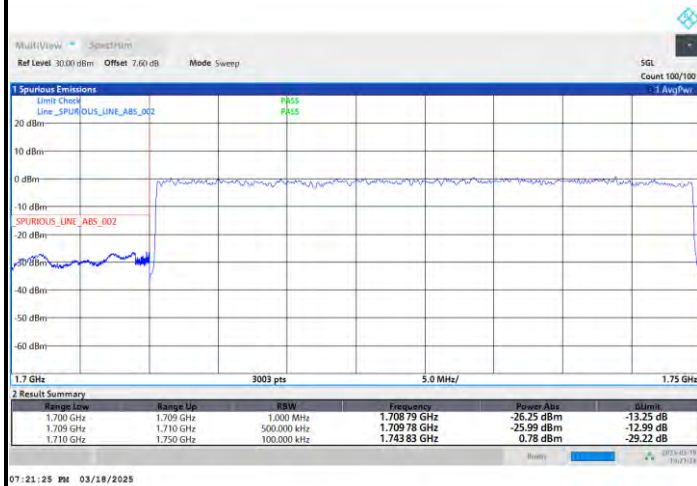


**FR1 n66 / 35MHz / DFT-s-OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n66 / 35MHz / CP OFDM / QPSK / Full RB****Lowest Band Edge****Highest Band Edge**

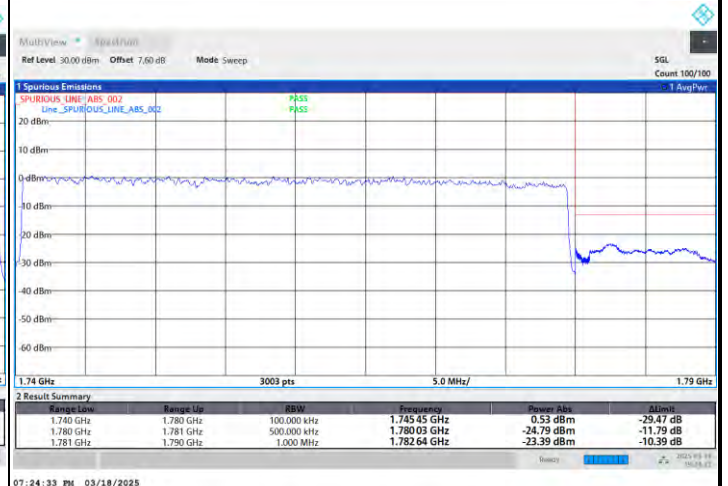


FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

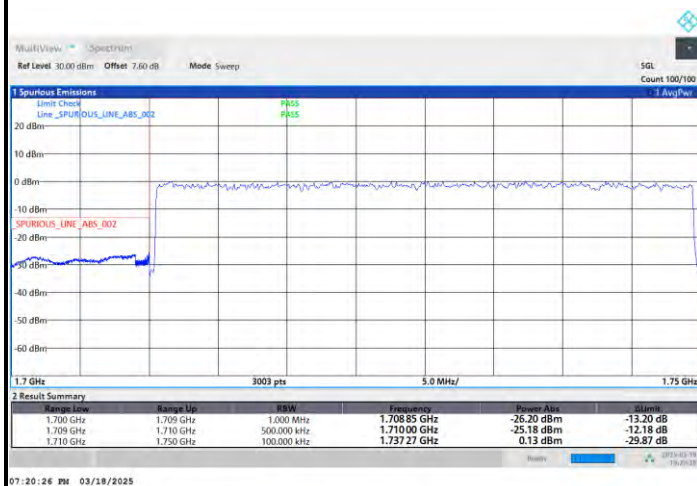


Highest Band Edge / Full RB

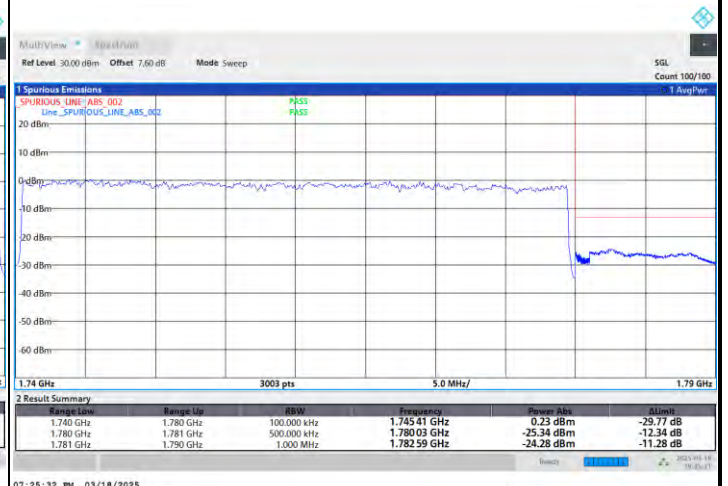


FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



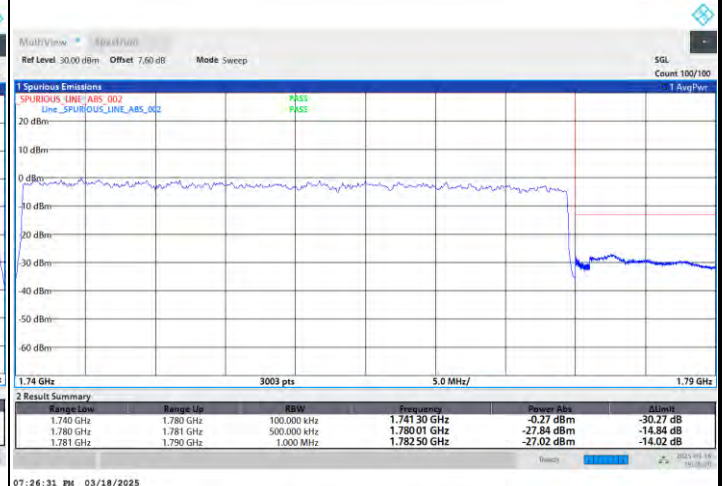


FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

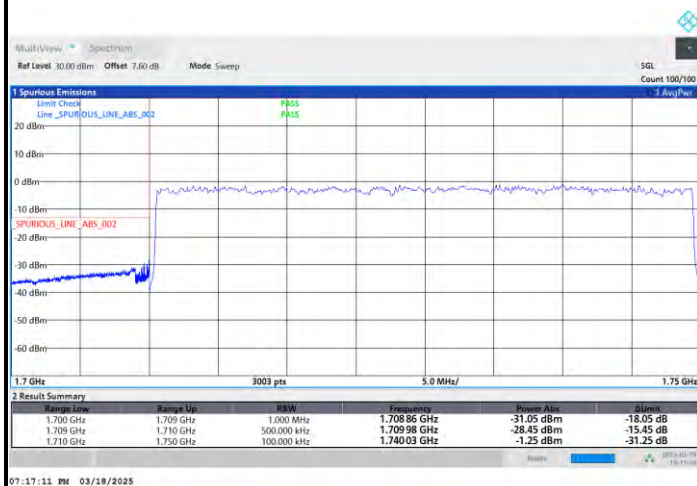


Highest Band Edge / Full RB

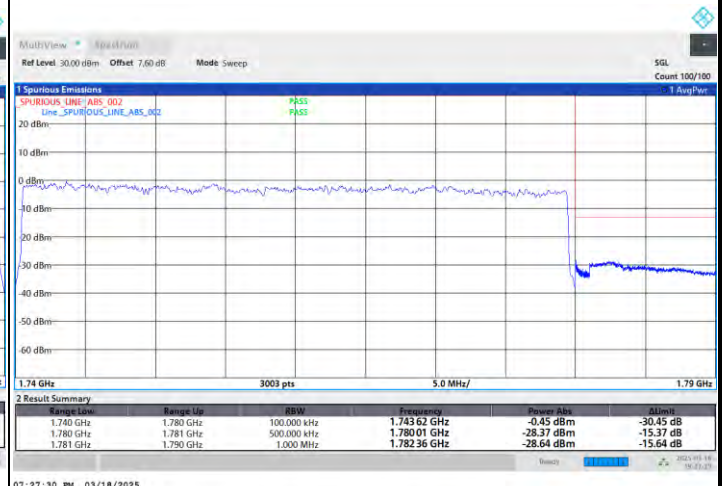


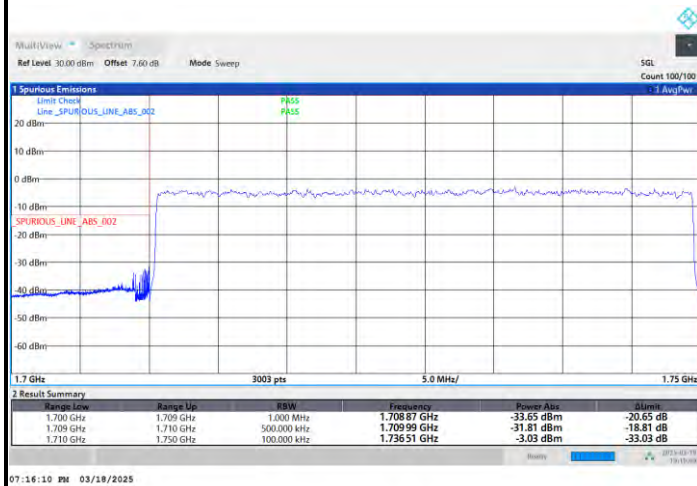
FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

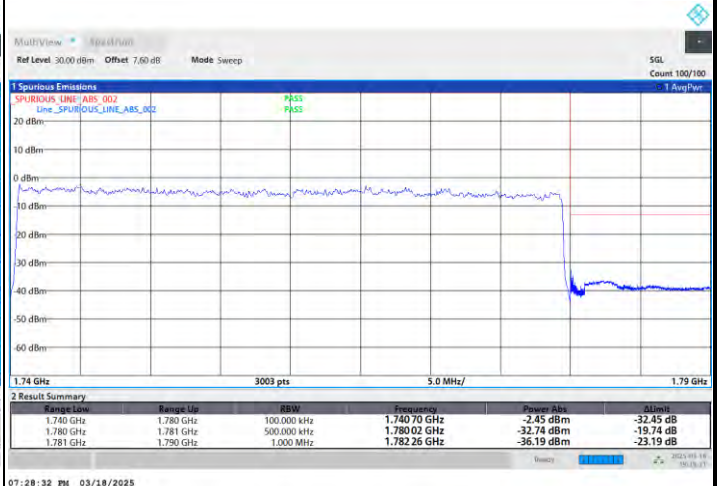


Highest Band Edge / Full RB

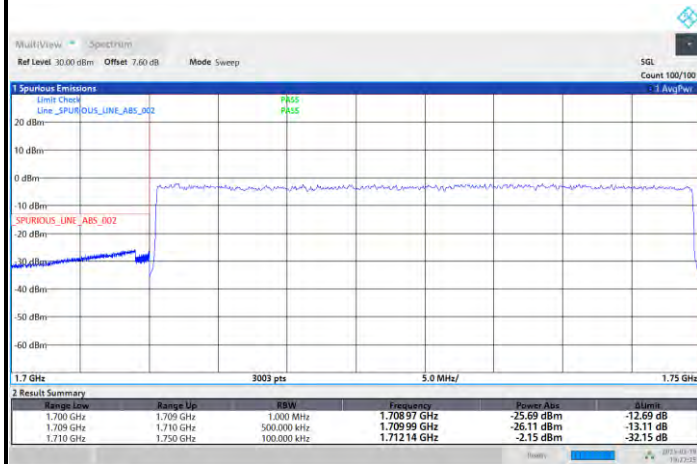


**FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM****Lowest Band Edge / Full RB**

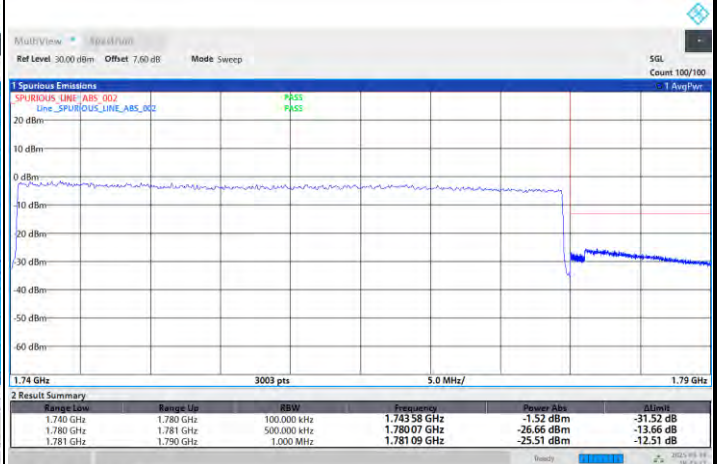
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Highest Band Edge / Full RB

07:28:32 PM 03/18/2025

FR1 n66 / 40MHz / CP OFDM / QPSK / Full RB**Lowest Band Edge**

07:22:26 PM 03/18/2025

Highest Band Edge

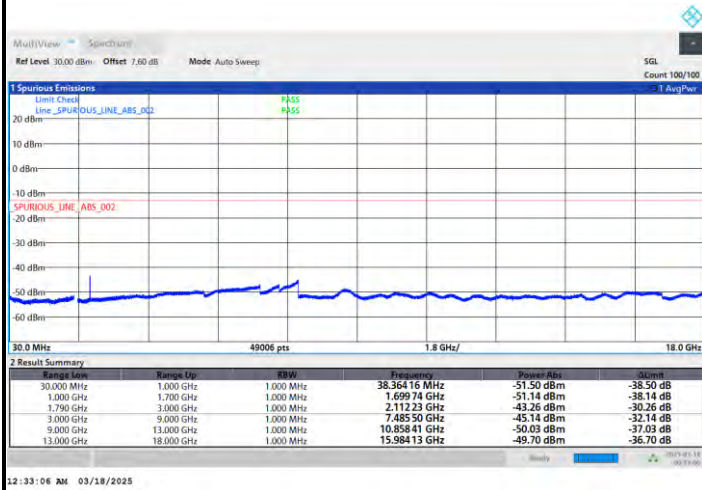
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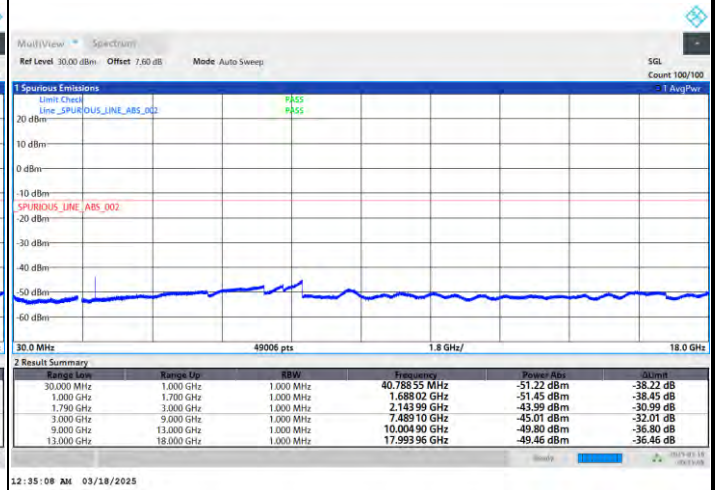
Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

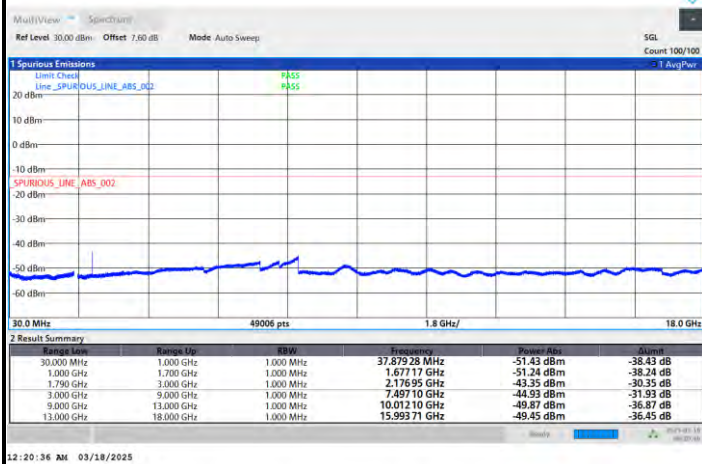
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

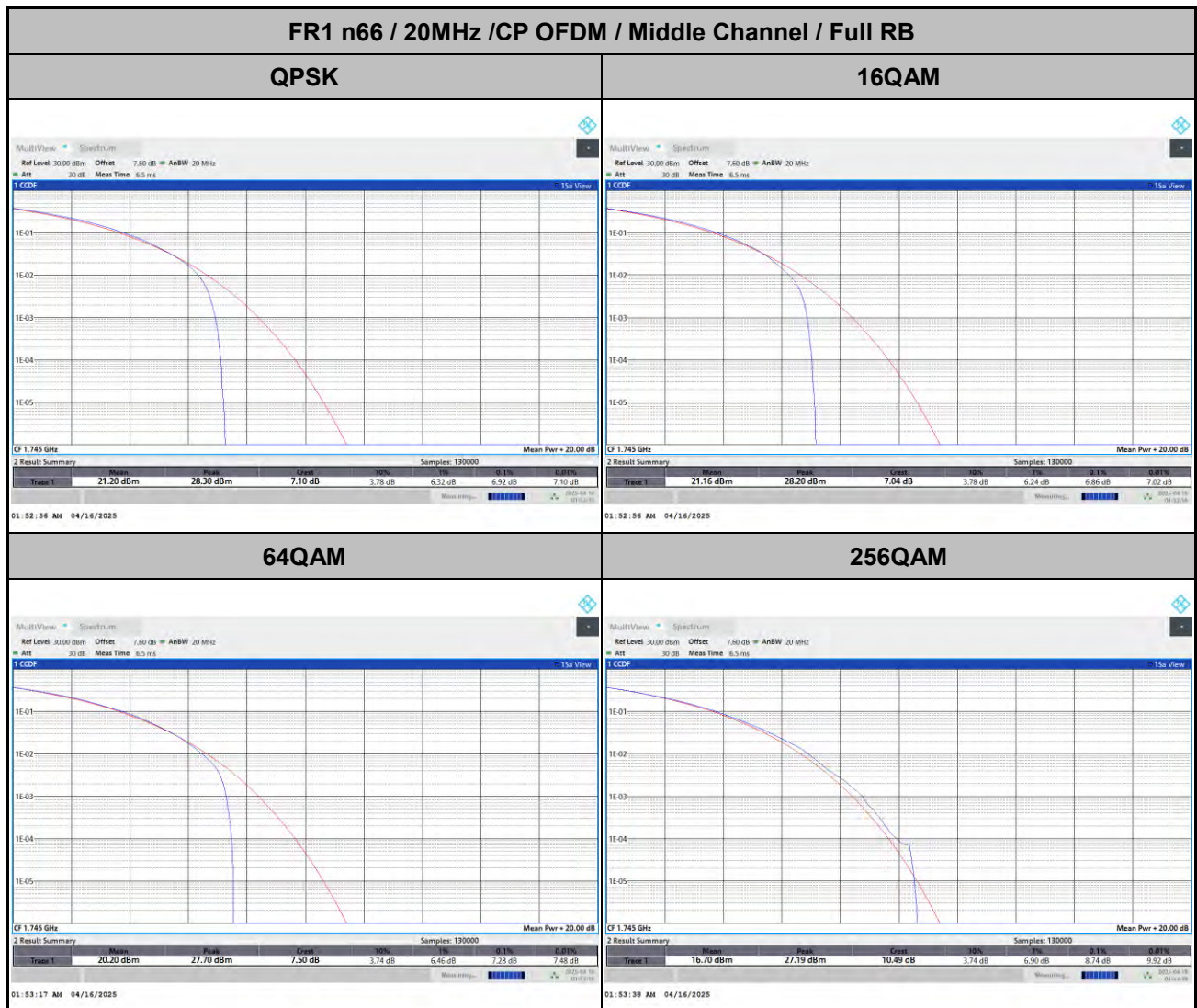
Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0058	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0051	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

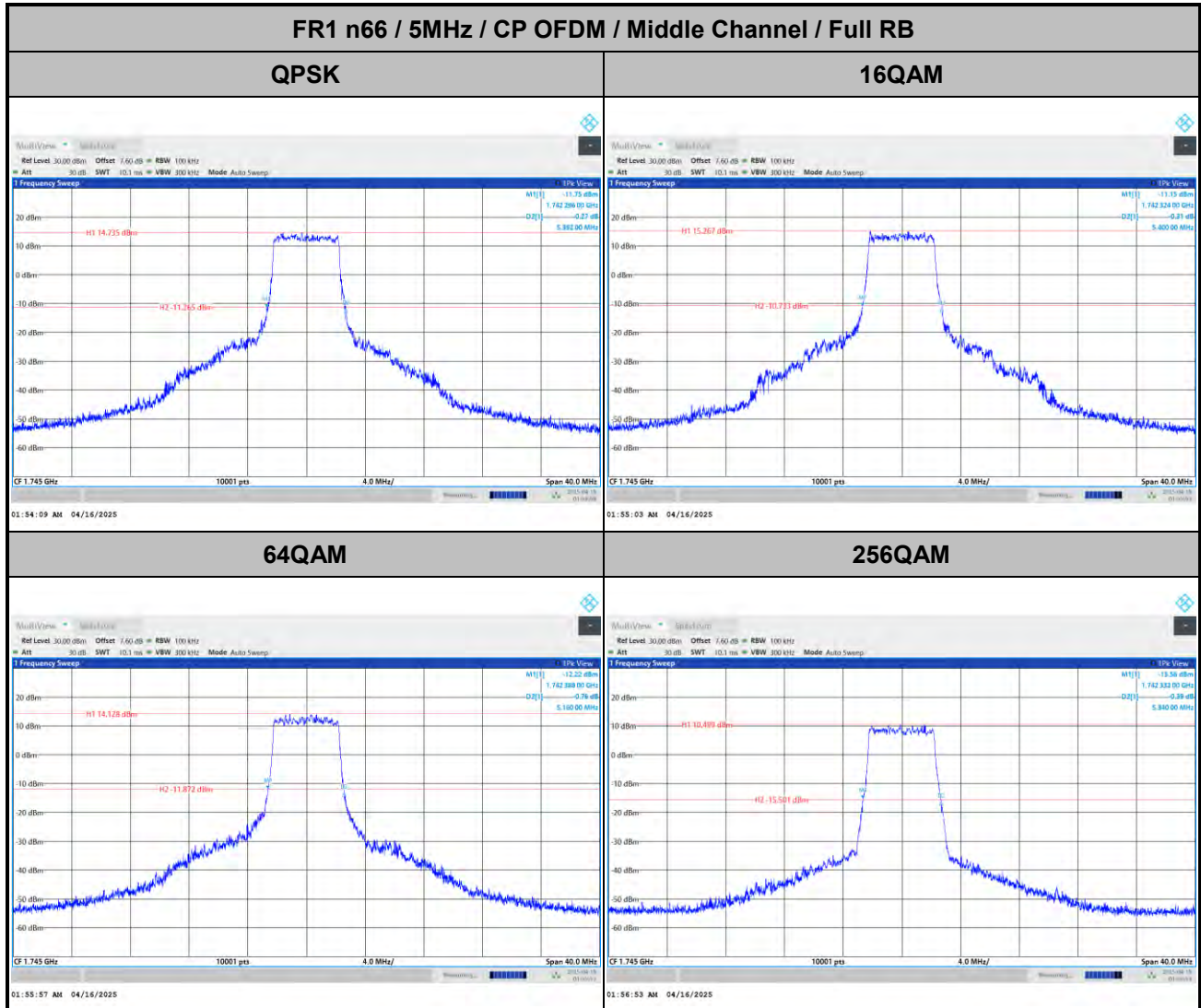
**<MIMO Mode>****MIMO <Ant. 0+3> (Ant. 0)****Peak-to-Average Ratio**

Mode	FR1 n66 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.92	6.86	7.28	8.74	PASS



**26dB Bandwidth**

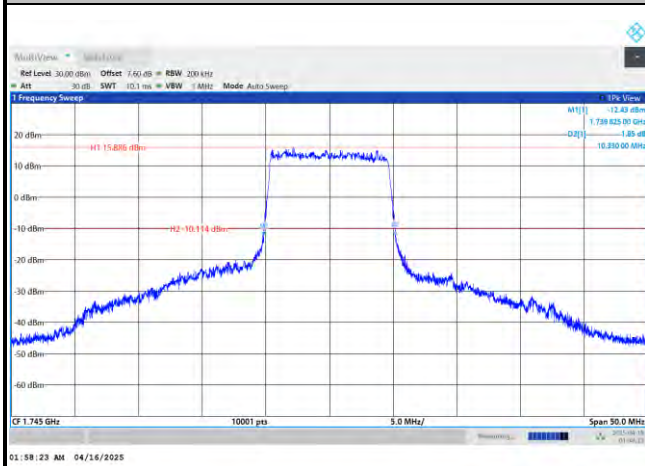
Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.39	5.40	10.33	10.24	15.15	15.09	20.53	20.35
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.16	5.34	10.13	10.28	15.08	15.03	20.46	20.43
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.23	25.45	32.40	31.24	36.81	36.41	41.20	42.07
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.08	25.20	31.11	31.06	38.23	36.22	41.30	41.15



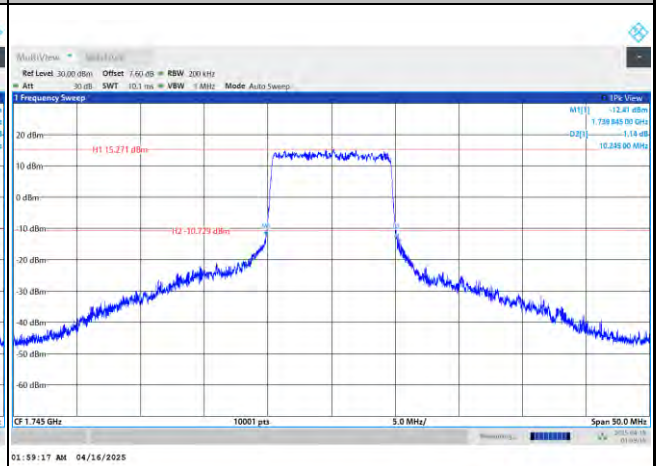


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

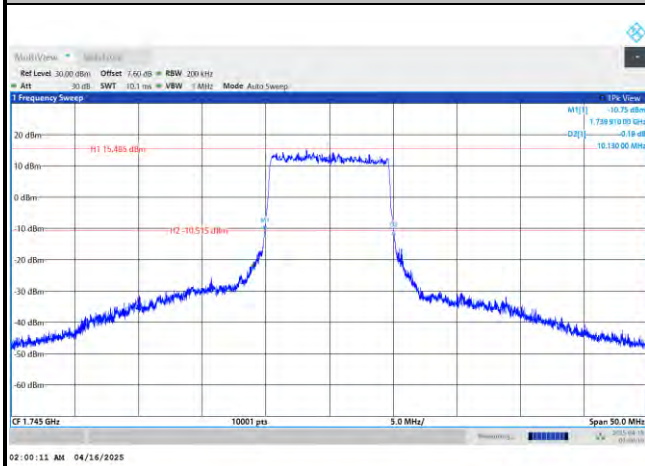
QPSK



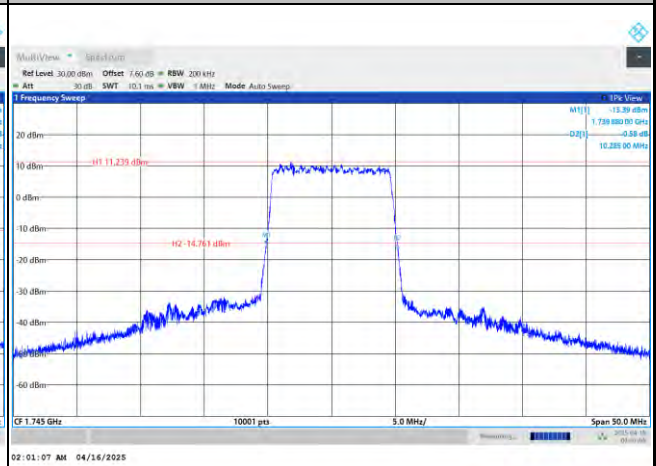
16QAM



64QAM



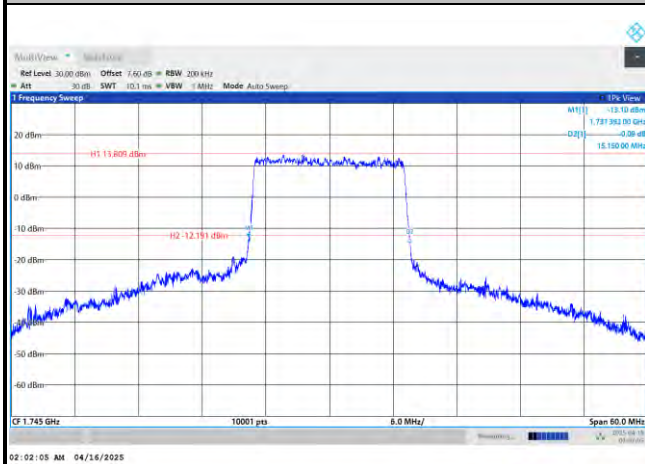
256QAM



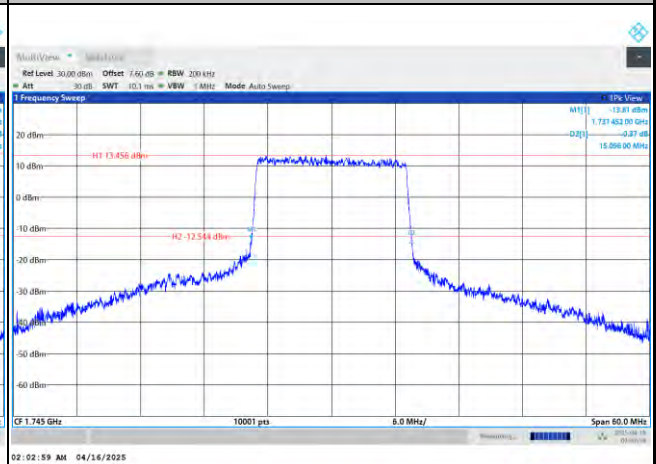


FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB

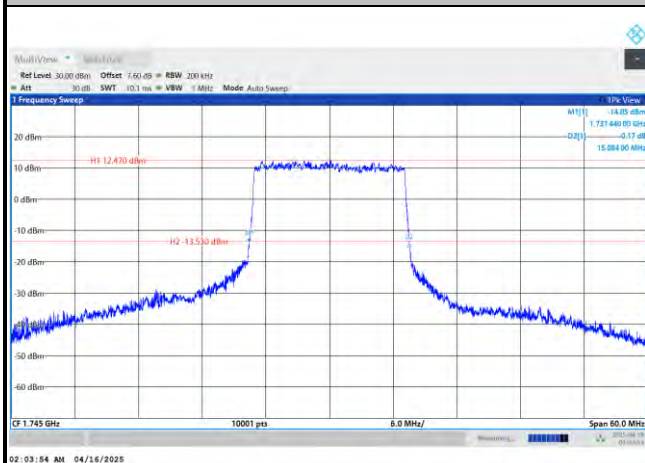
QPSK



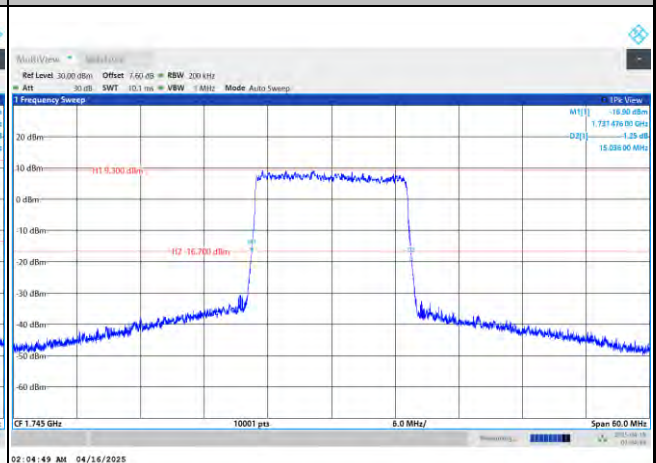
16QAM



64QAM



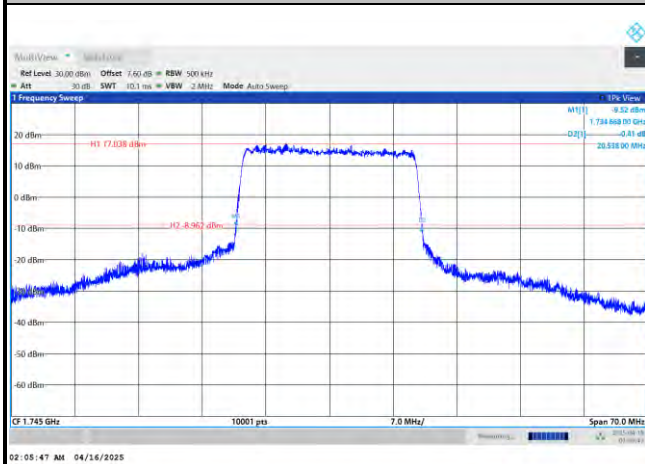
256QAM



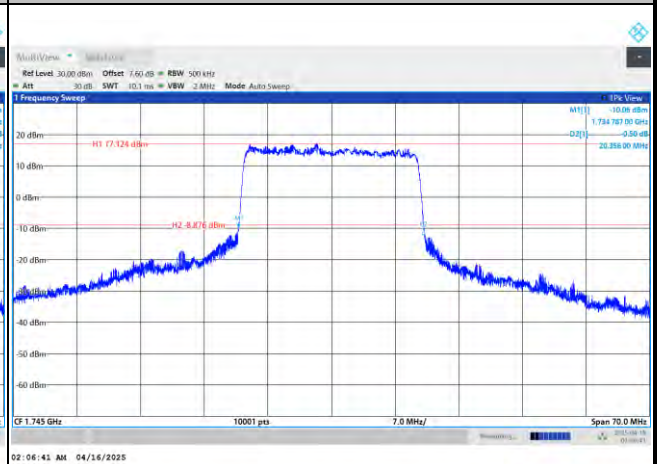


FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

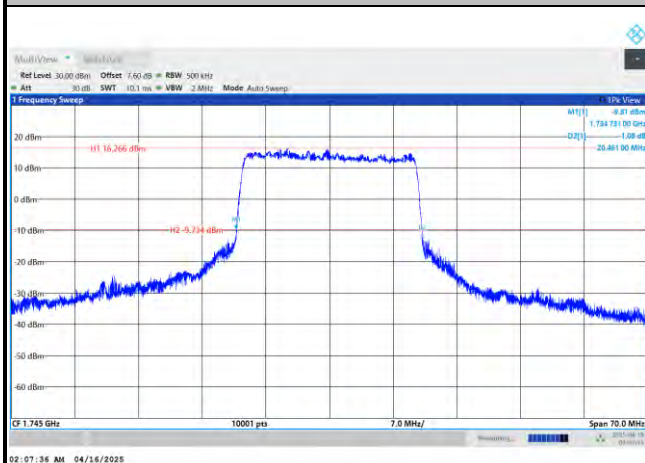
QPSK



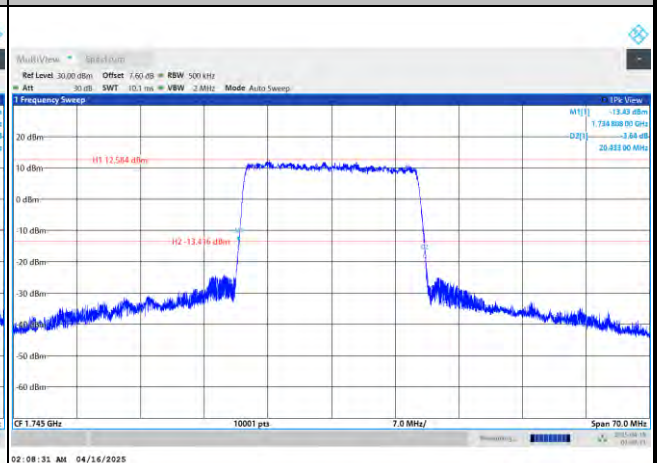
16QAM



64QAM



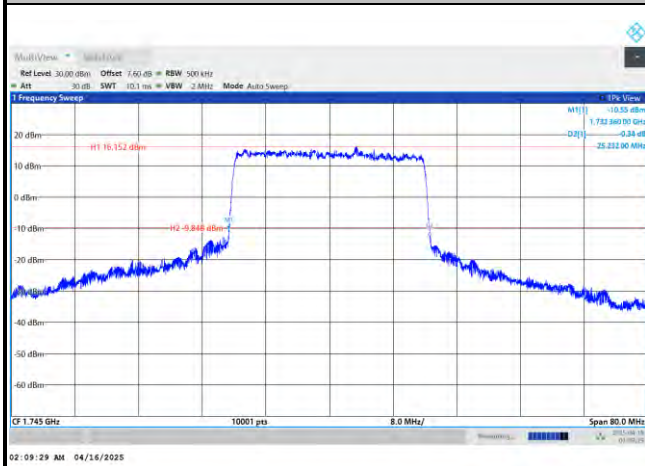
256QAM



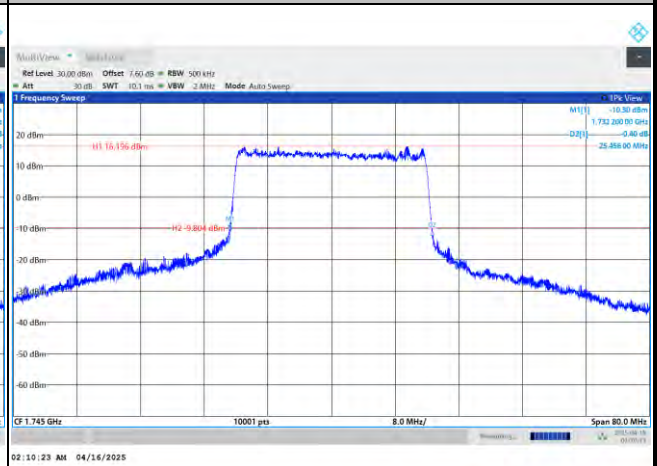


FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB

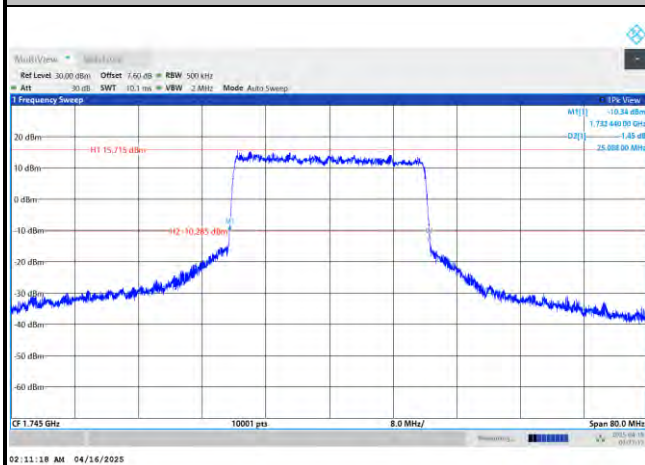
QPSK



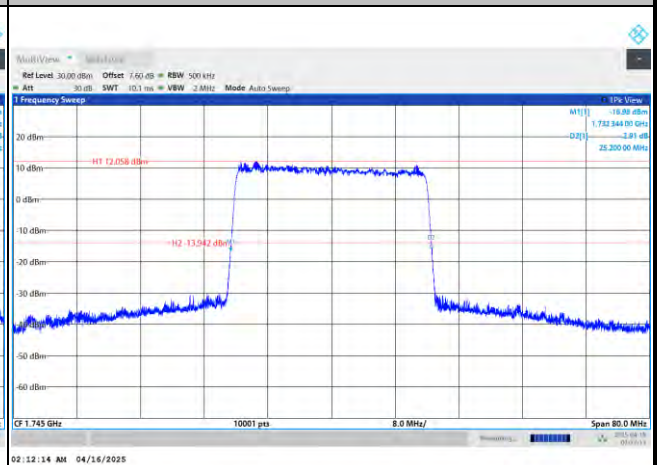
16QAM



64QAM



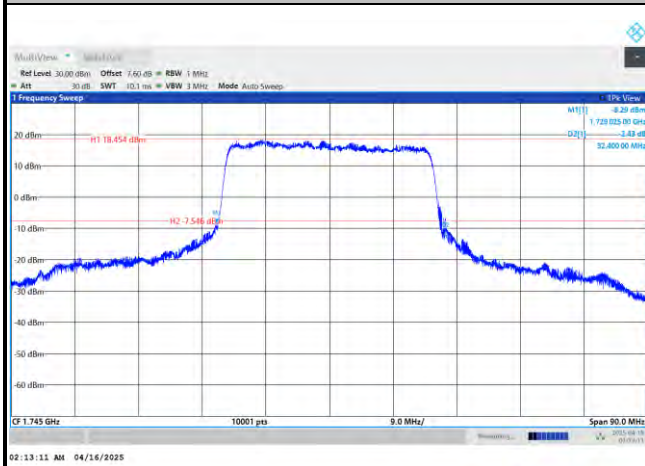
256QAM



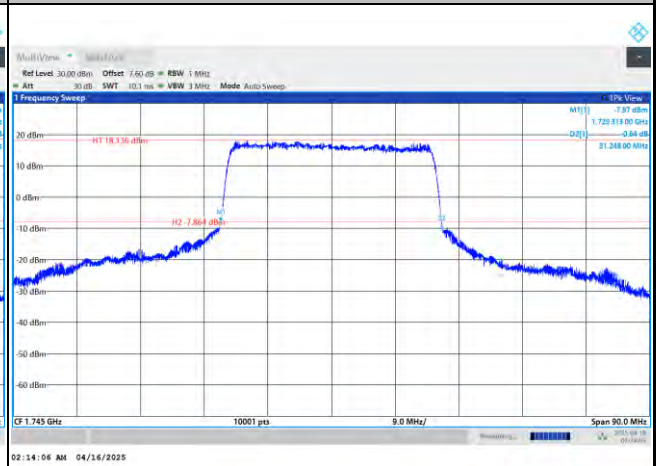


FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

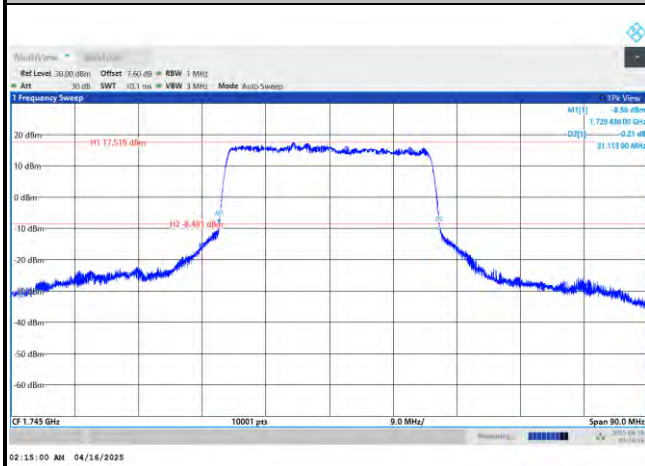
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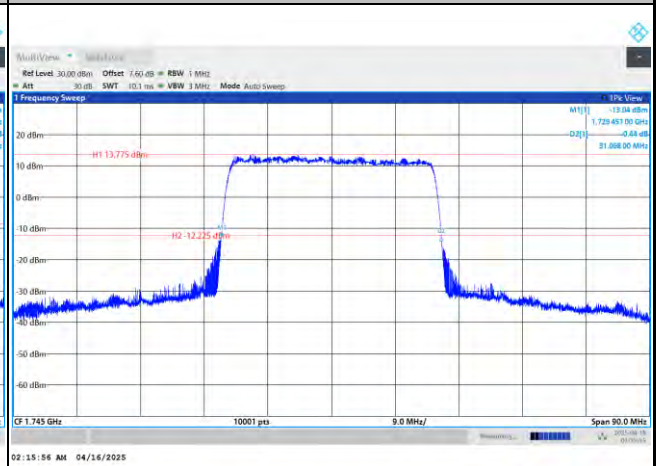
16QAM



64QAM



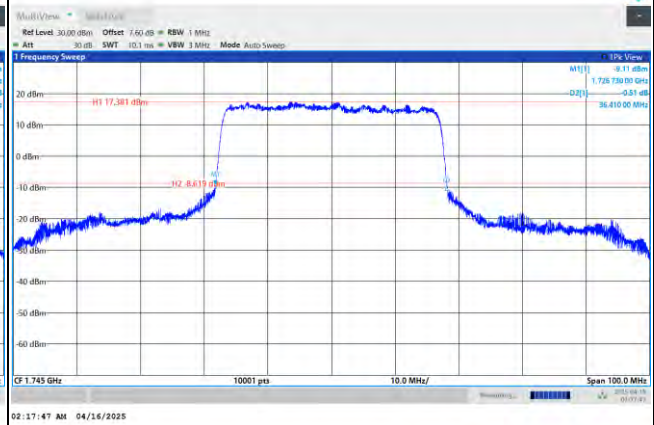
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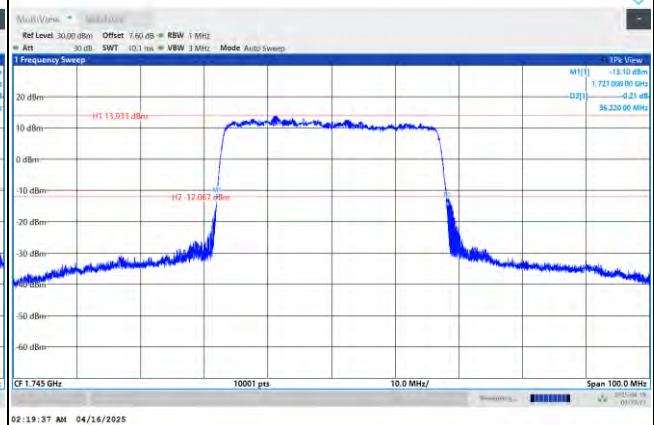


FR1 n66 / 35MHz / CP OFDM / Middle Channel / Full RB

16QAM



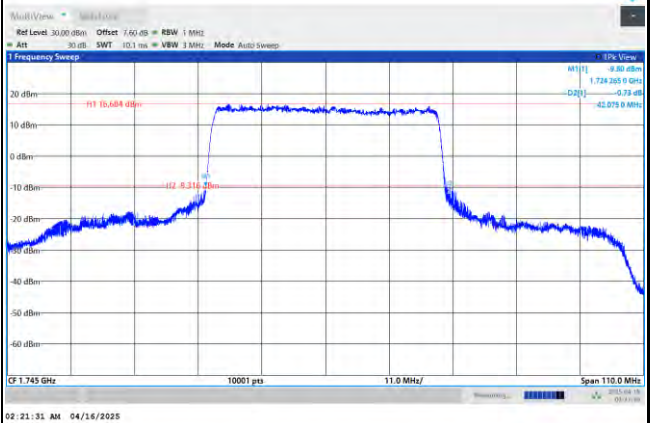
256QAM



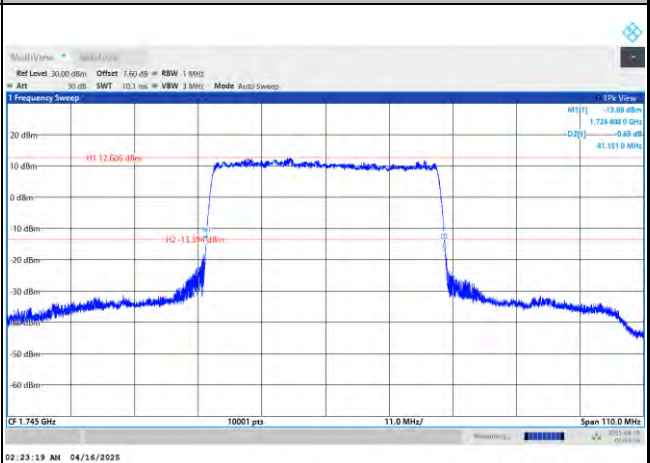


FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

16QAM



256QAM



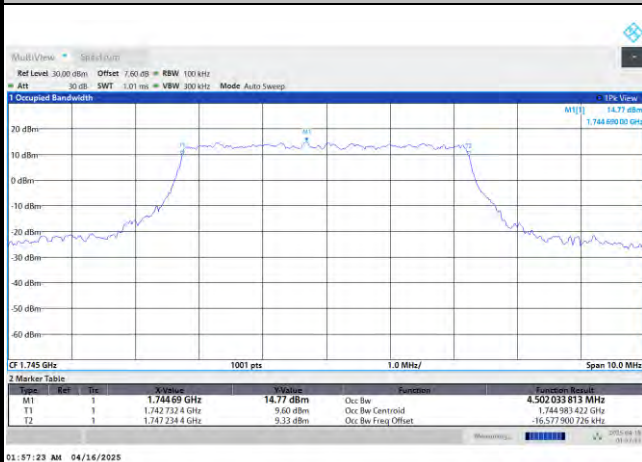
**Occupied Bandwidth**

Mode	FR1 n66 : OB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.53	9.34	9.33	14.10	14.10	19.01	19.06
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.49	4.50	9.32	9.33	14.13	14.14	19.05	18.99
BW	25MHz		30MHz		35MHz		40MH	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.77	23.78	28.87	28.94	33.83	33.90	38.80	38.82
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.79	23.77	28.92	28.93	33.86	33.70	38.81	38.81

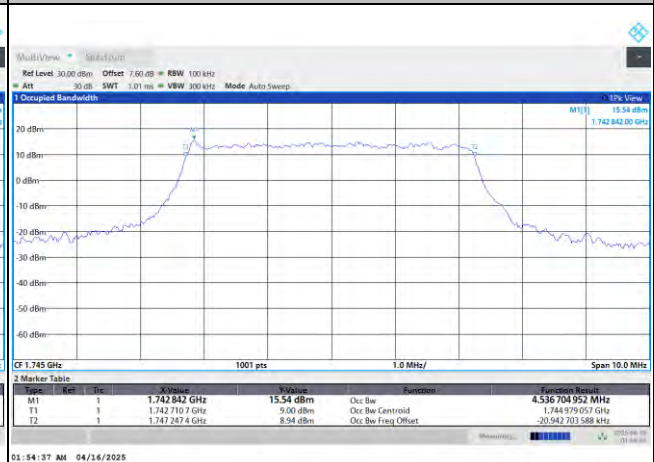


FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

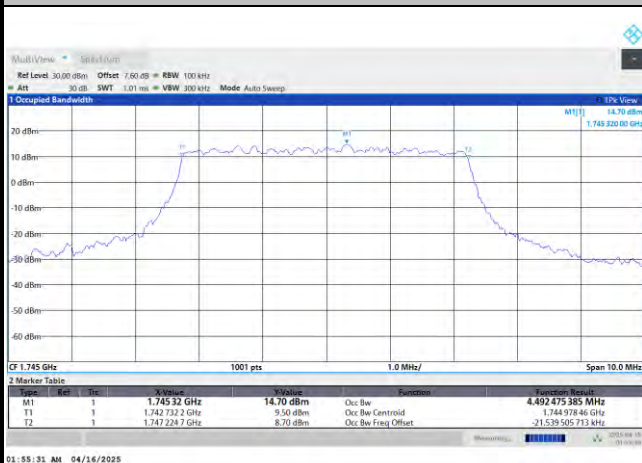
QPSK



16QAM



64QAM



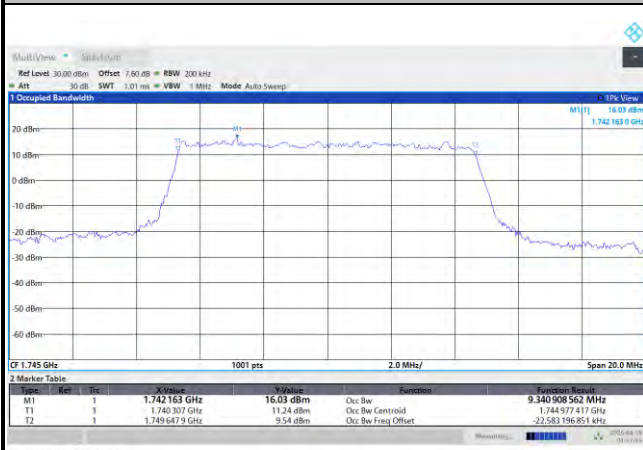
256QAM



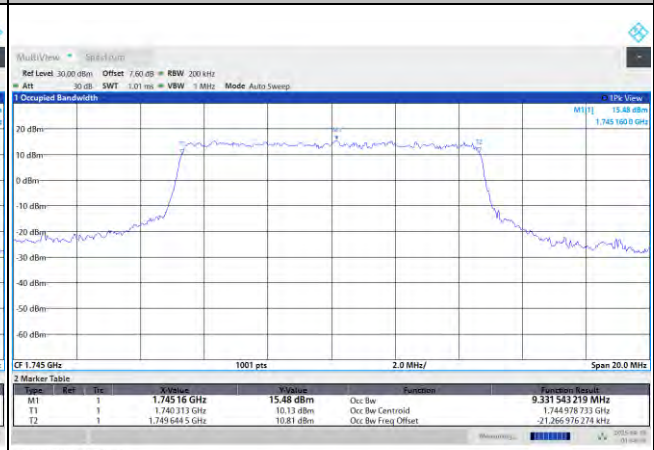


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

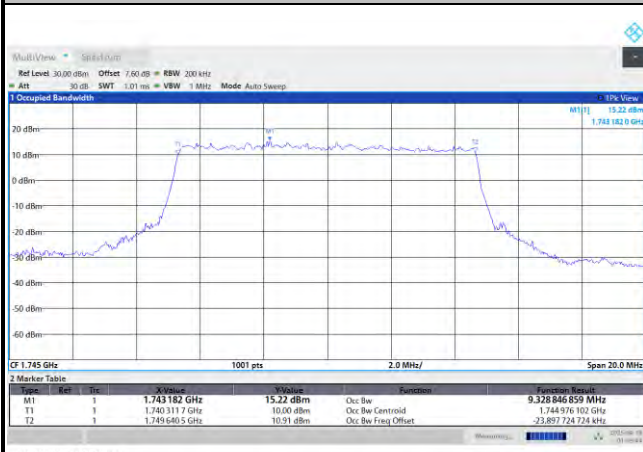
QPSK



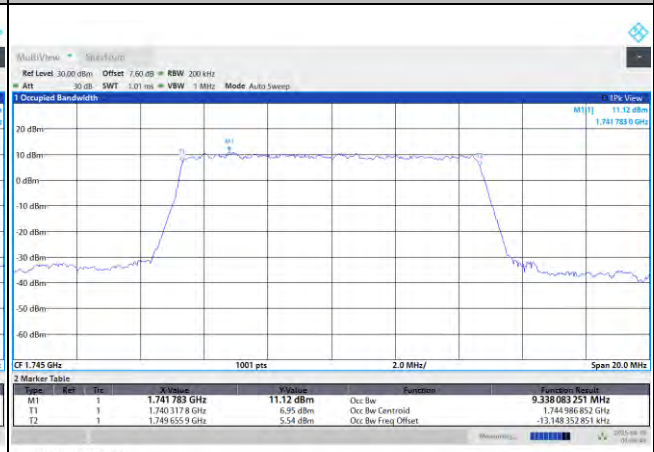
16QAM



64QAM



256QAM



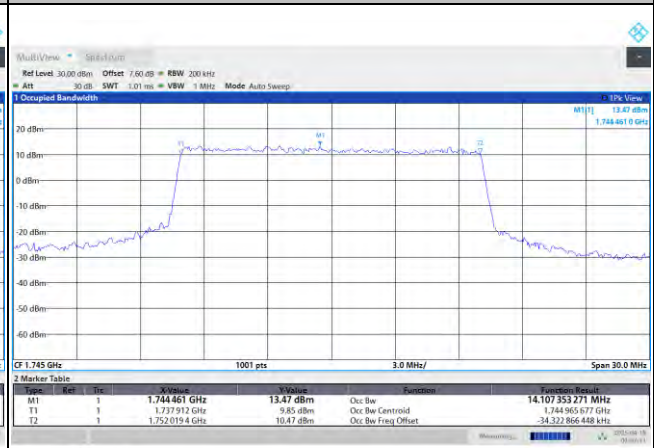


FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB

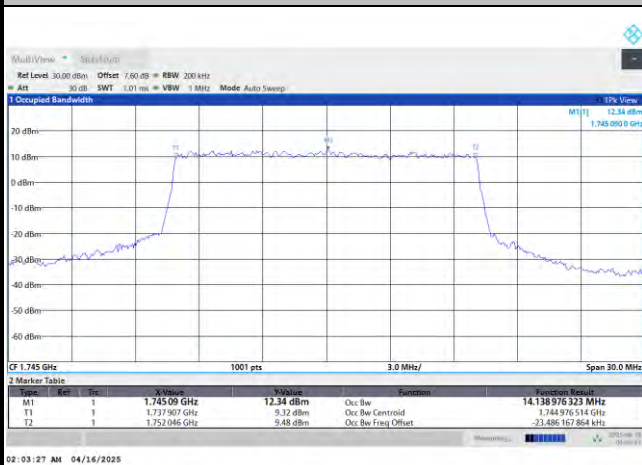
QPSK



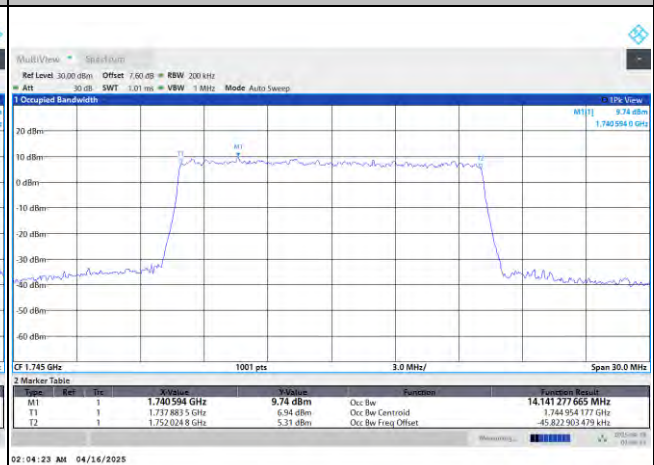
16QAM



64QAM



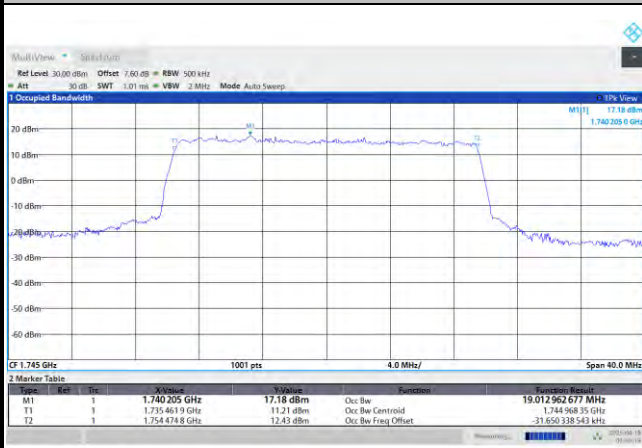
256QAM





FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

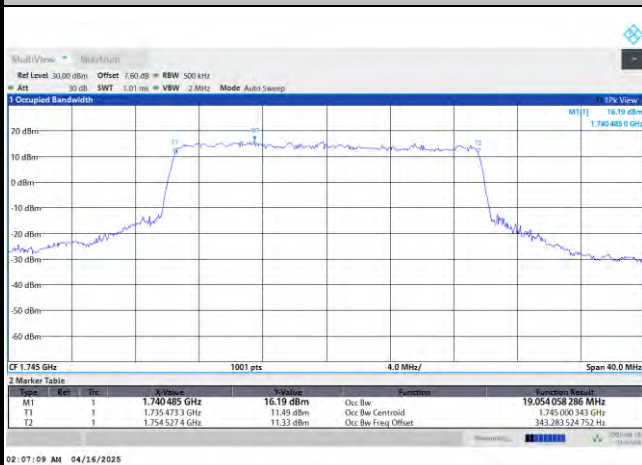
QPSK



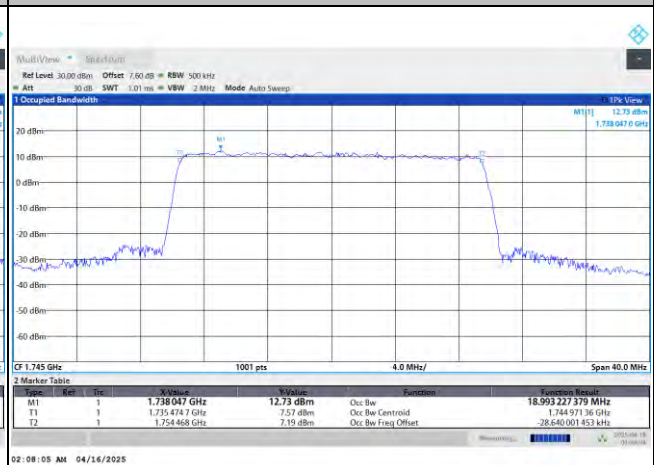
16QAM



64QAM



256QAM





FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB

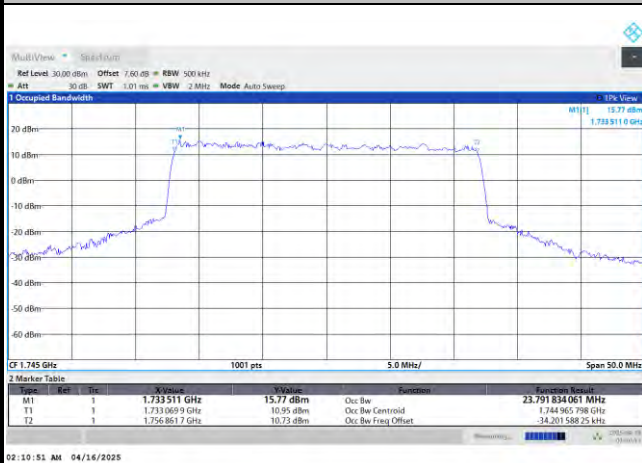
QPSK



16QAM



64QAM



256QAM





FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



02:12:44 AM 04/16/2025

16QAM



02:13:39 AM 04/16/2025

64QAM



02:14:33 AM 04/16/2025

256QAM

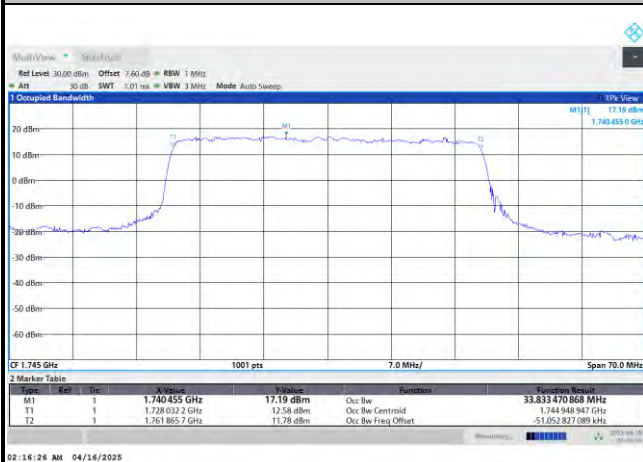


02:15:29 AM 04/16/2025



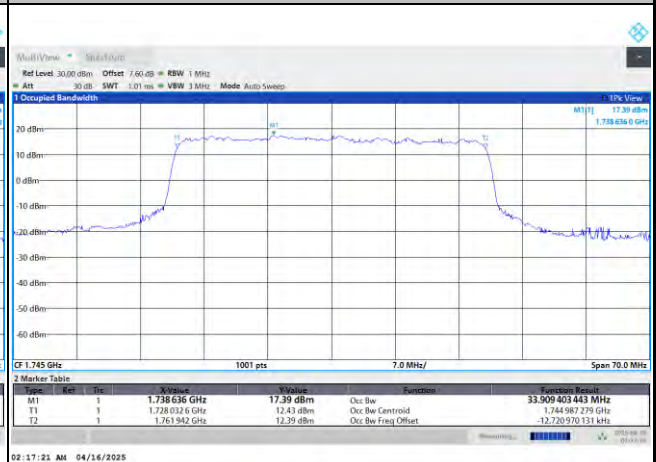
FR1 n66 / 35MHz / CP OFDM / Middle Channel / Full RB

QPSK



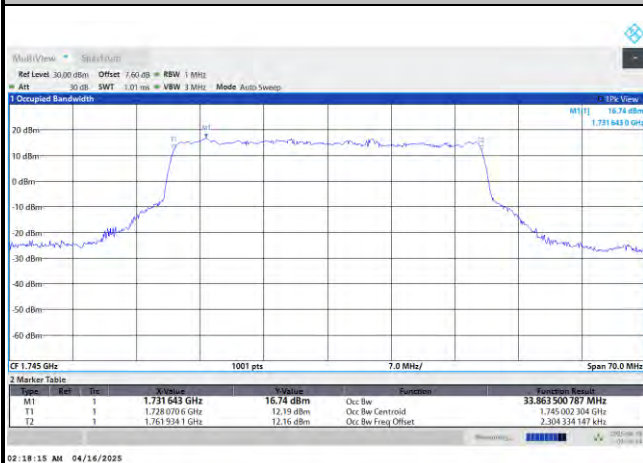
02:16:26 AM 04/16/2025

16QAM



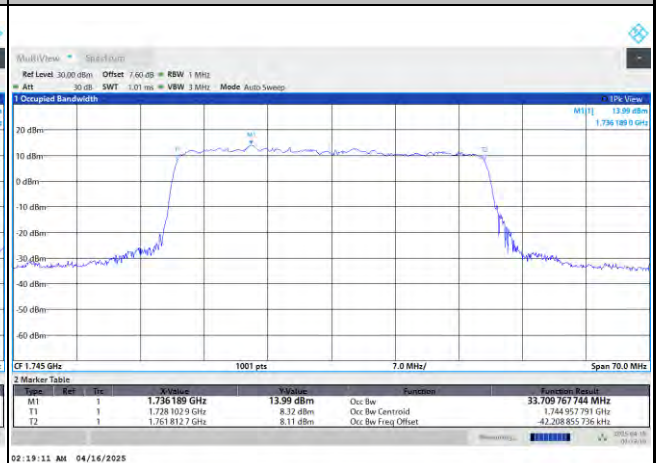
02:17:21 AM 04/16/2025

64QAM



02:18:15 AM 04/16/2025

256QAM

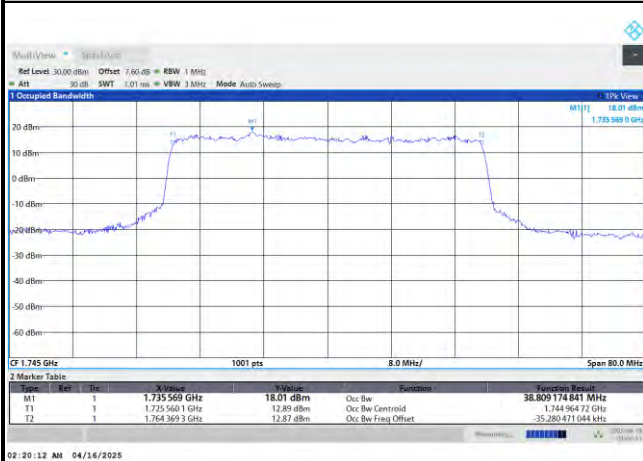


02:19:11 AM 04/16/2025



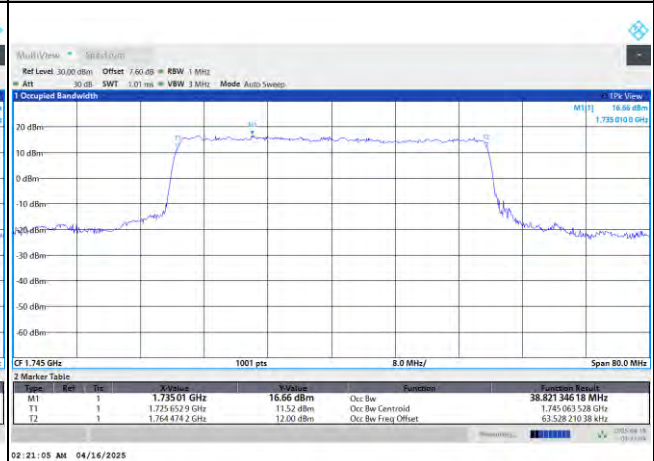
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



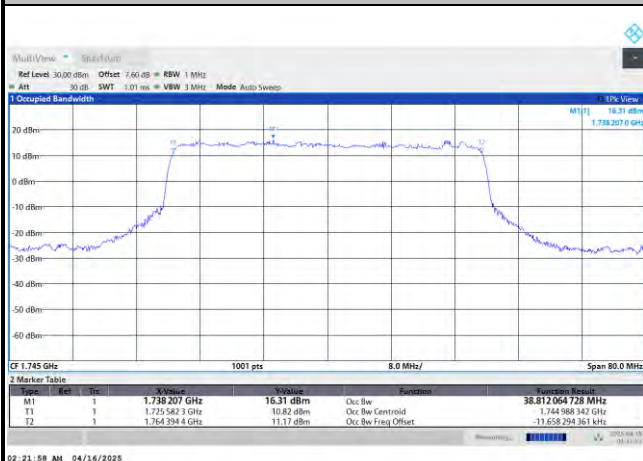
02:20:12 AM 04/16/2025

16QAM



02:21:05 AM 04/16/2025

64QAM

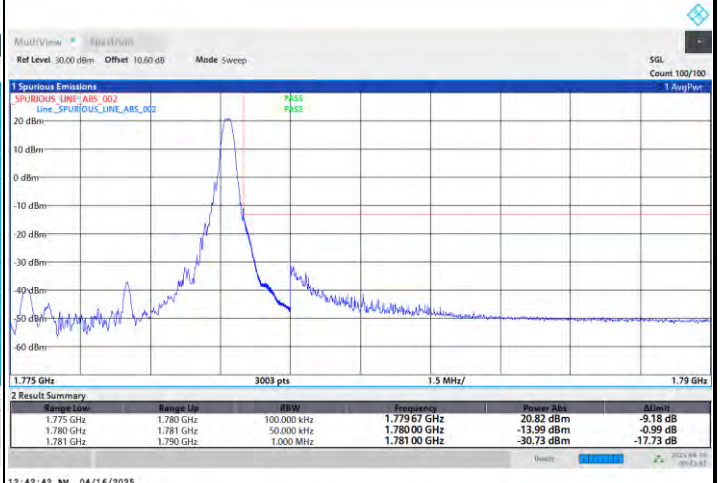
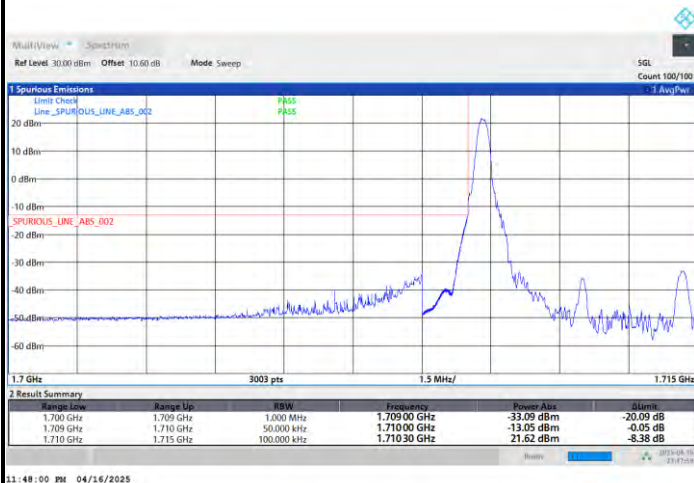


02:21:58 AM 04/16/2025

256QAM



02:22:53 AM 04/16/2025

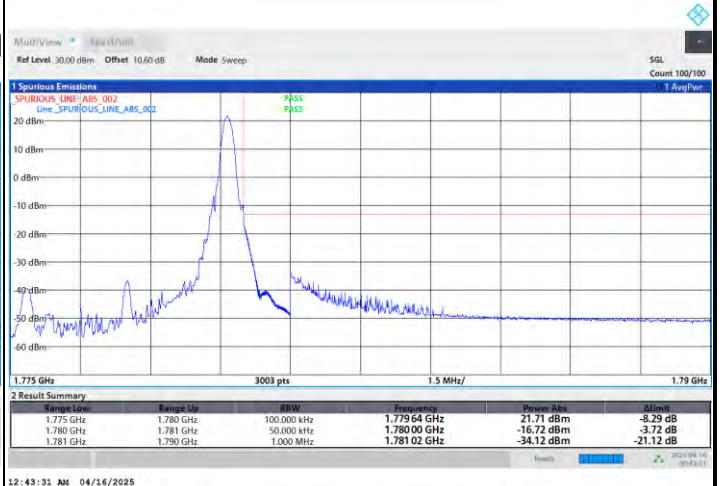
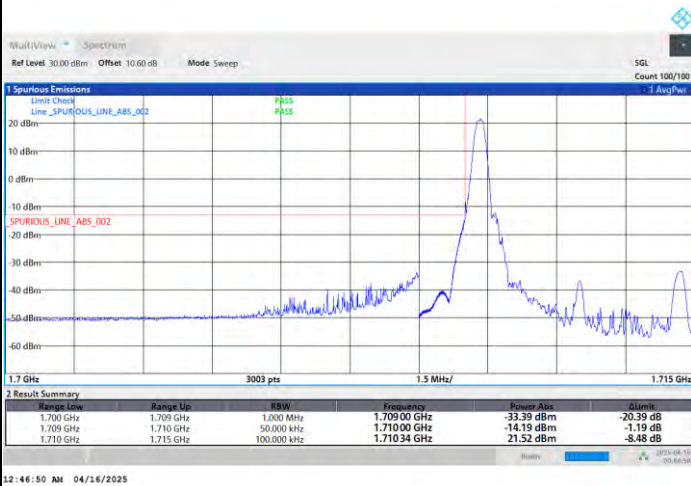
**Conducted Band Edge****FR1 n66 / 5MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n66 / 5MHz / CP OFDM / 16QAM

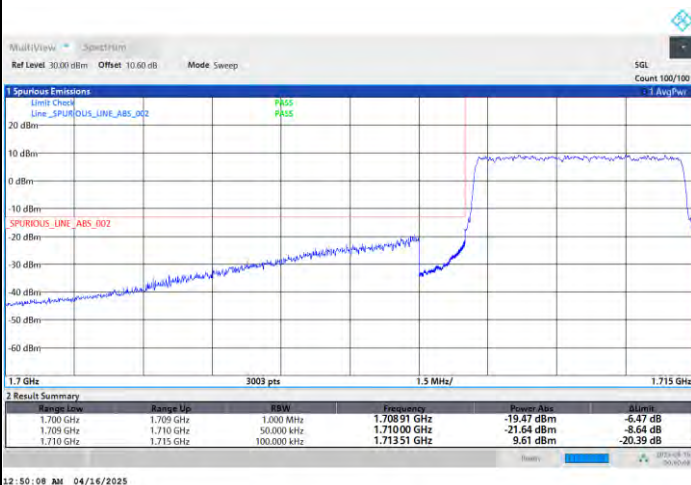
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

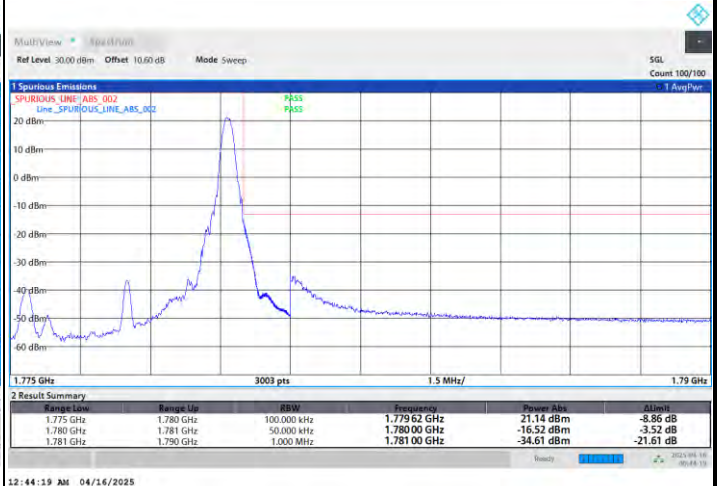
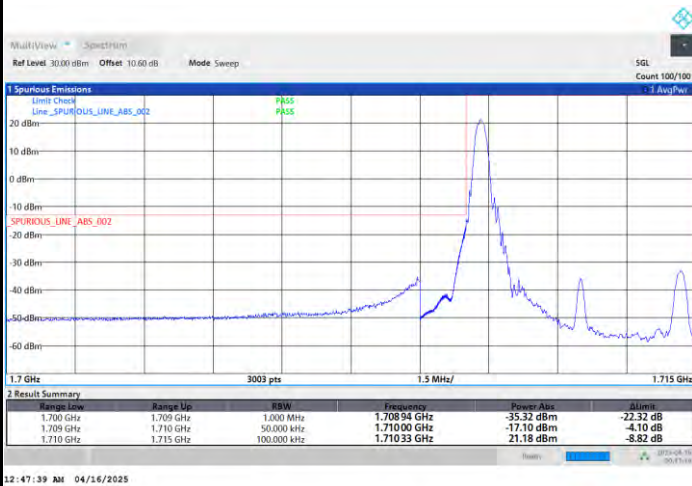




FR1 n66 / 5MHz / CP OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

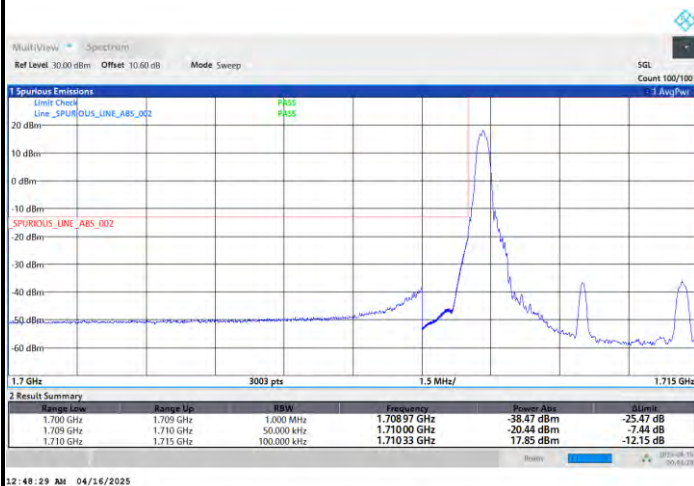
Highest Band Edge / Full RB





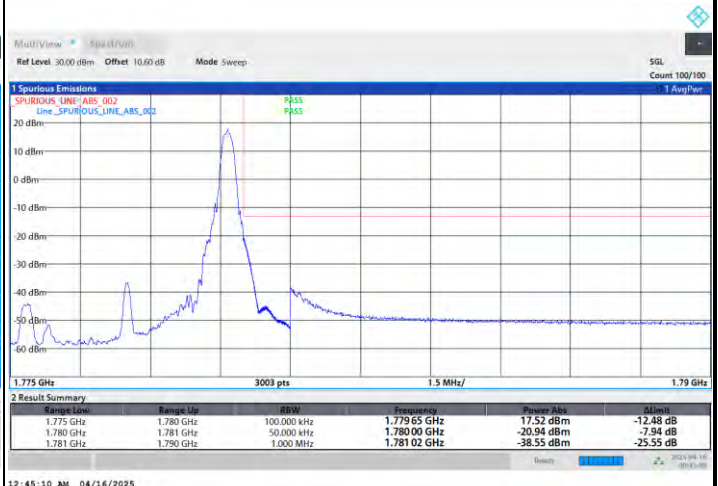
FR1 n66 / 5MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0



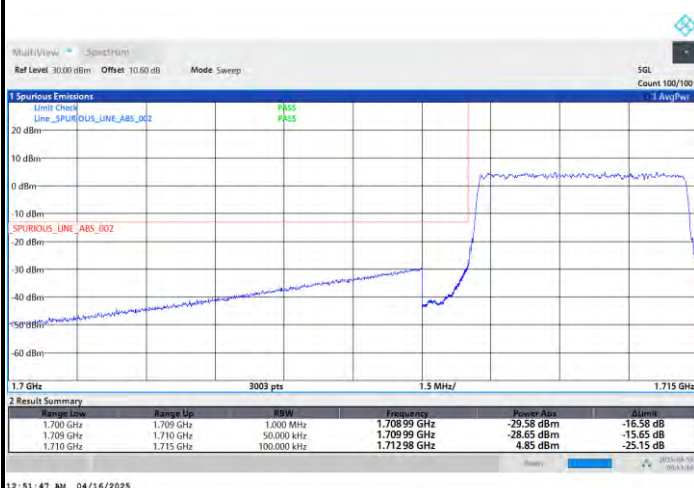
12:48:29 AM 04/16/2025

Highest Band Edge / 1RBmax



12:48:10 AM 04/16/2025

Lowest Band Edge / Full RB



12:51:47 AM 04/16/2025

Highest Band Edge / Full RB

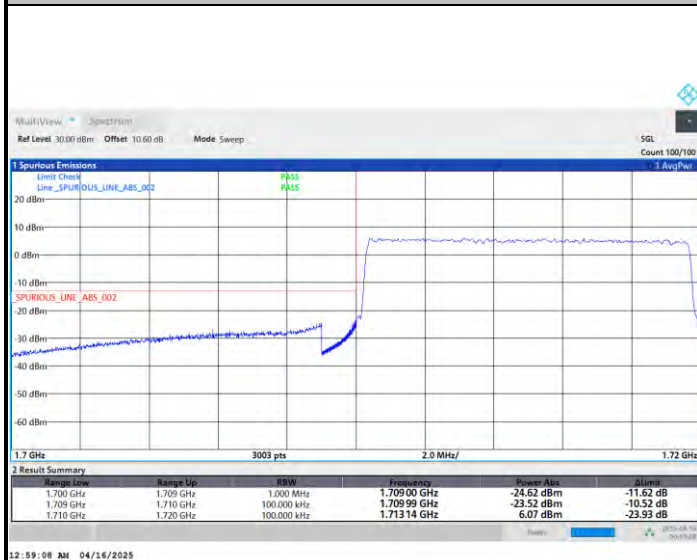


12:55:06 AM 04/16/2025

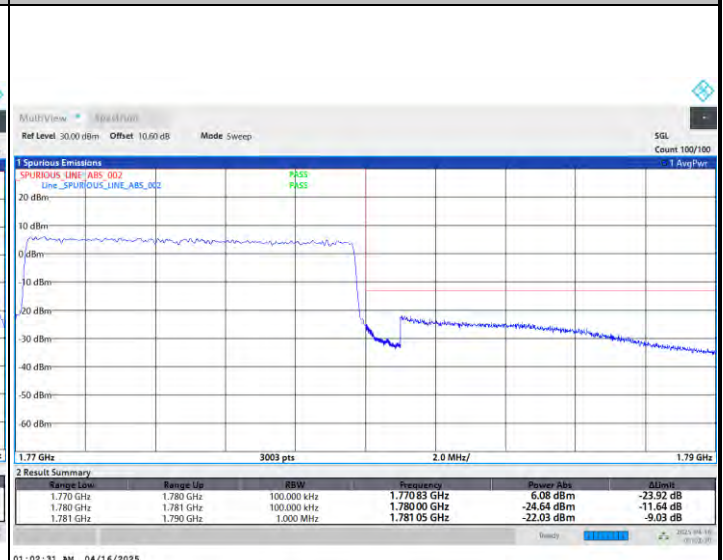


FR1 n66 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

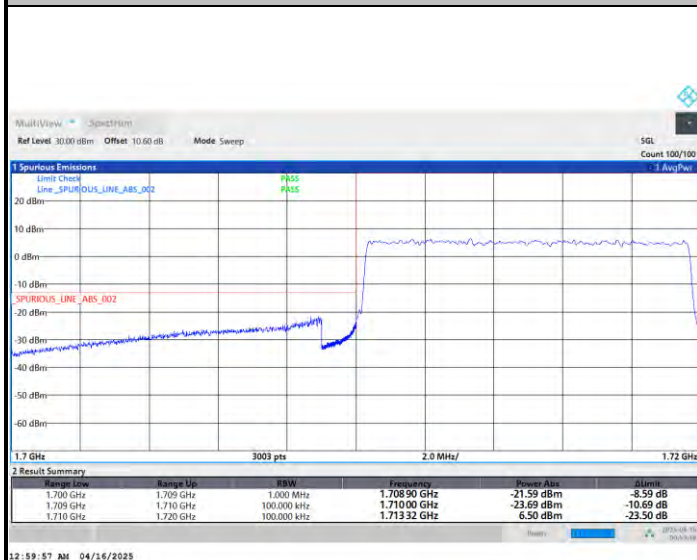


Highest Band Edge / Full RB



FR1 n66 / 10MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



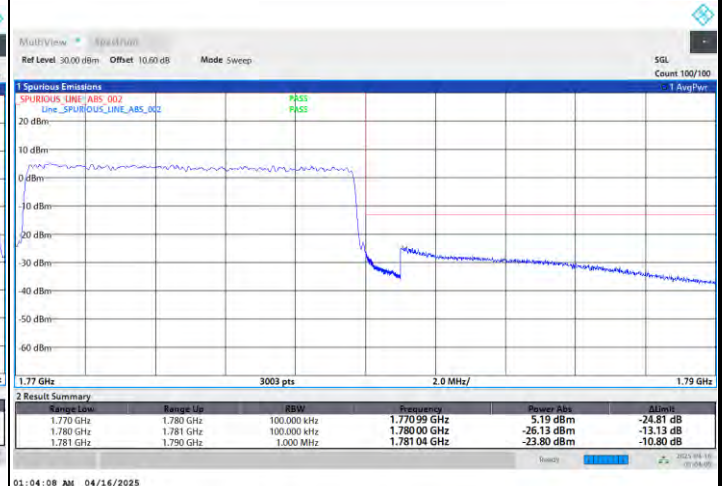


FR1 n66 / 10MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

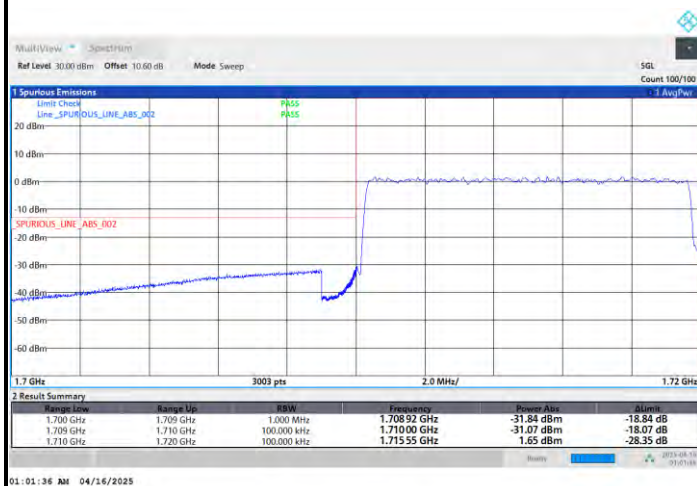


Highest Band Edge / Full RB



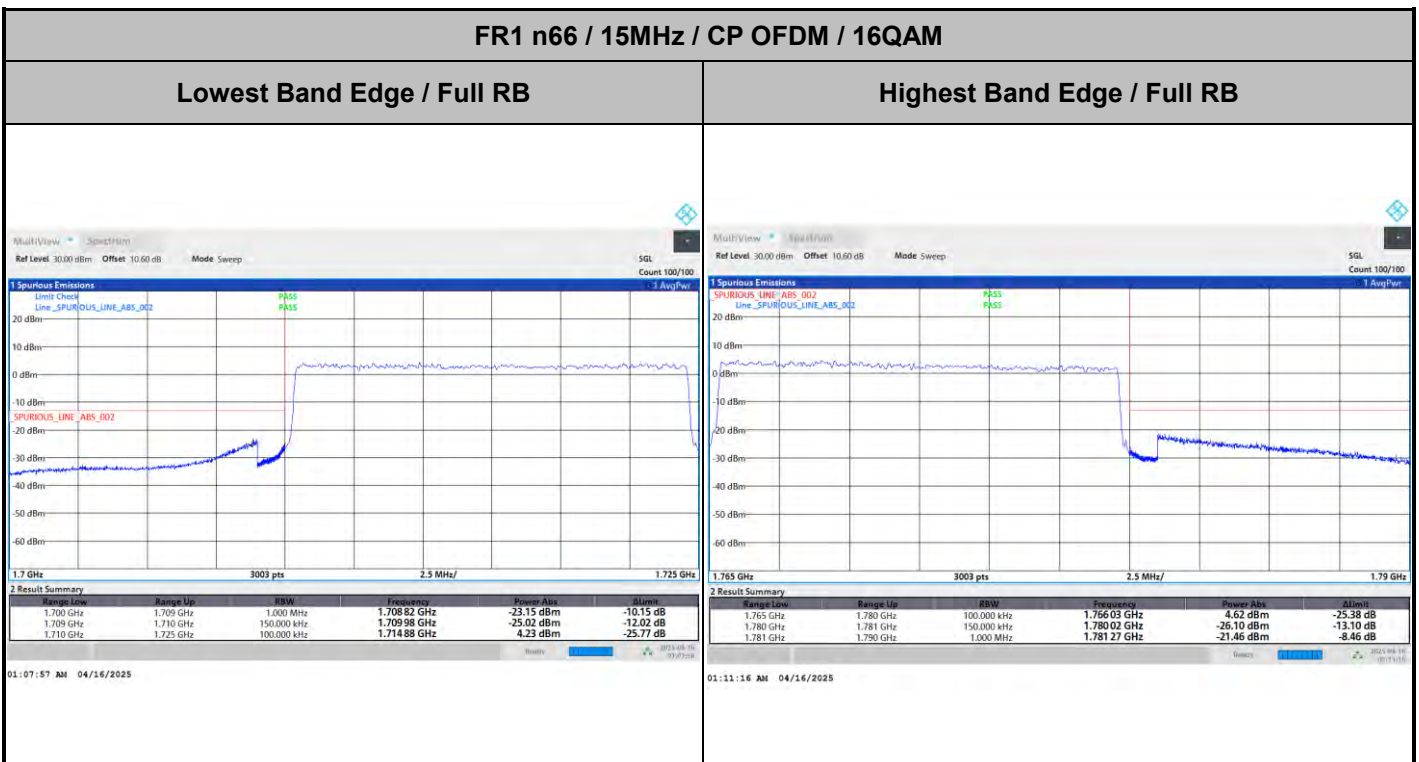
FR1 n66 / 10MHz / CP OFDM / 256QAM

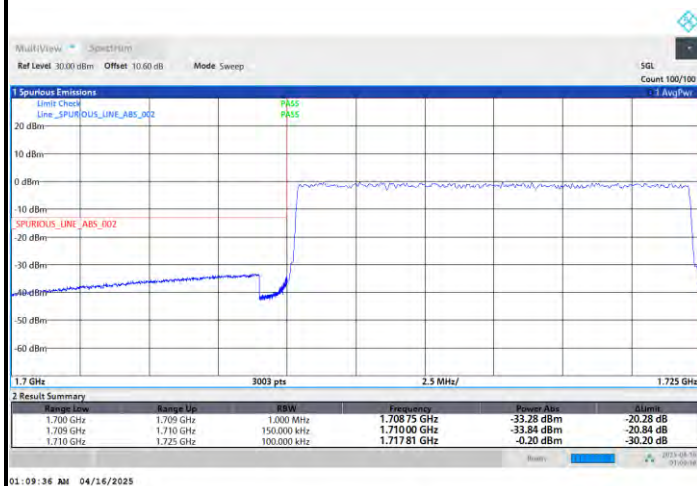
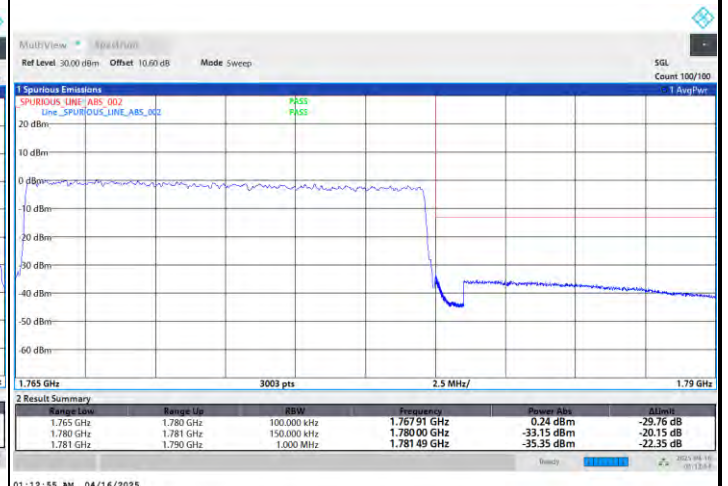
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



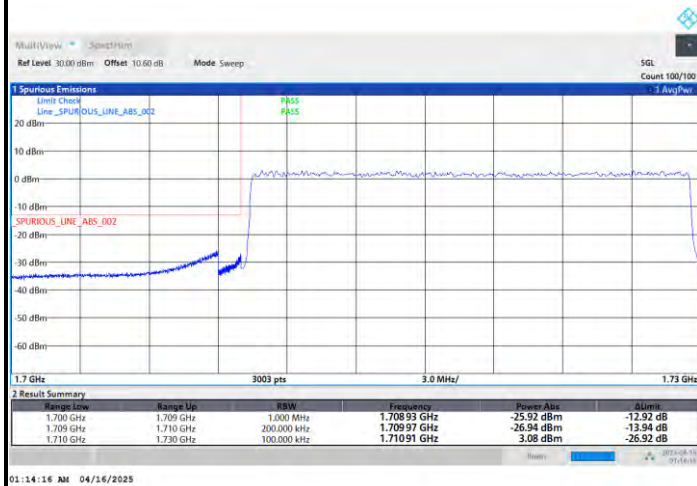


**FR1 n66 / 15MHz / CP OFDM / 64QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n66 / 15MHz / CP OFDM / 256QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n66 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

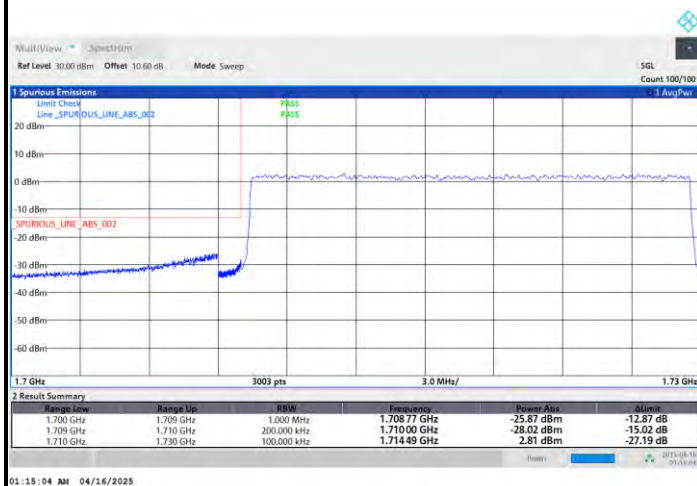


Highest Band Edge / Full RB

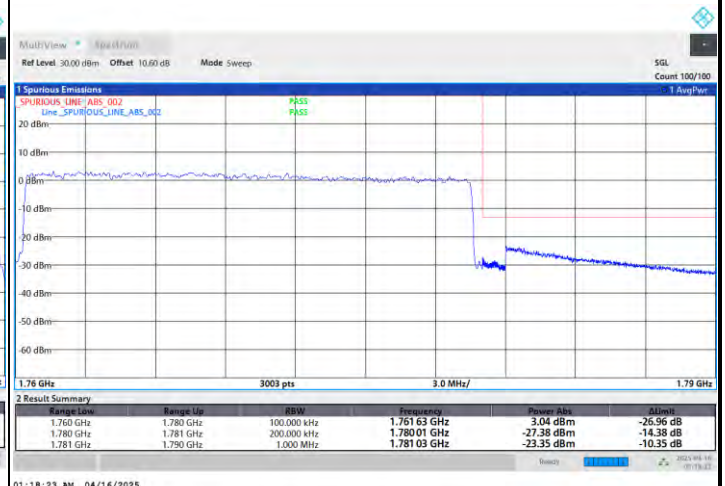


FR1 n66 / 20MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



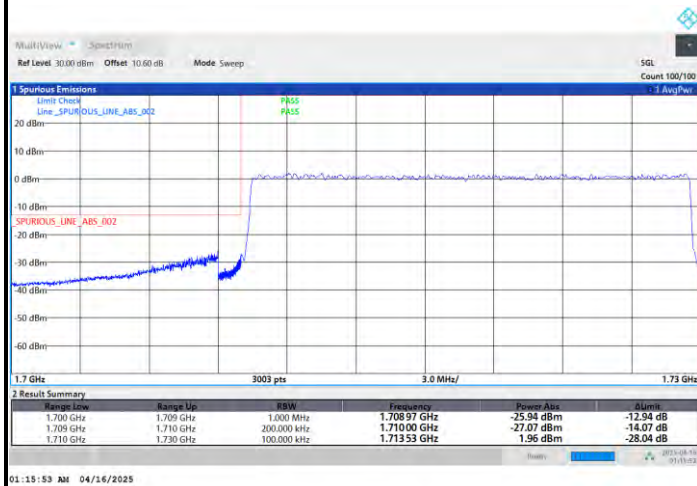
Highest Band Edge / Full RB





FR1 n66 / 20MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

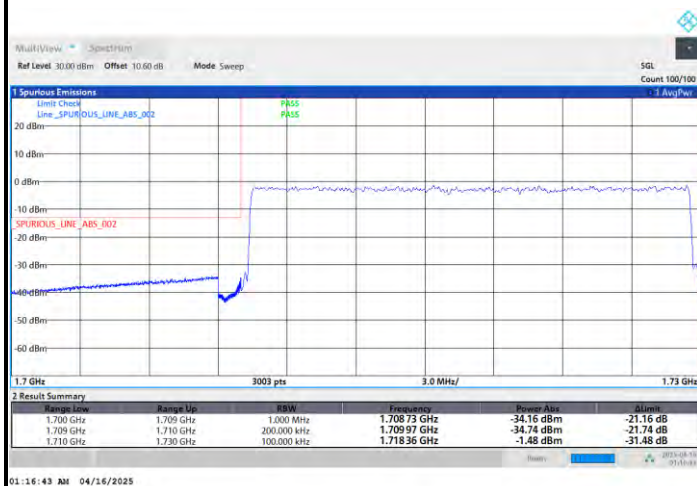


Highest Band Edge / Full RB



FR1 n66 / 20MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n66 / 25MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



01:26:12 AM 04/16/2025

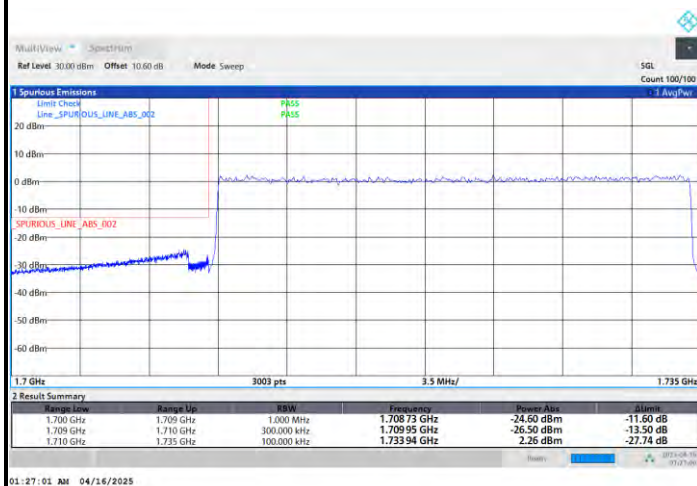
Highest Band Edge / Full RB



01:29:35 AM 04/16/2025

FR1 n66 / 25MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



01:27:01 AM 04/16/2025

Highest Band Edge / Full RB

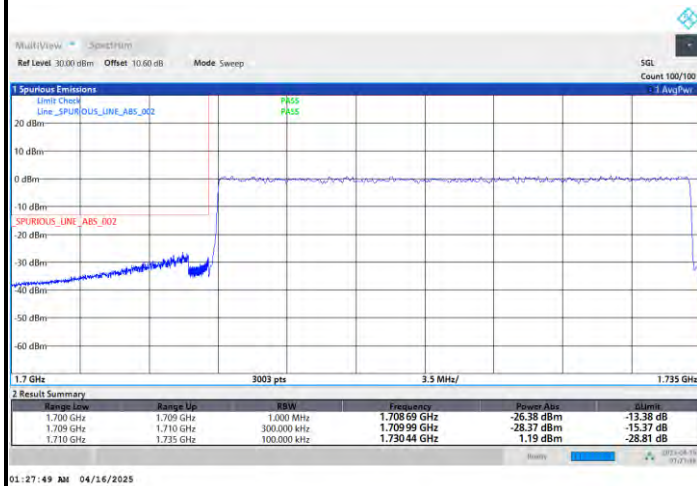


01:30:24 AM 04/16/2025



FR1 n66 / 25MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

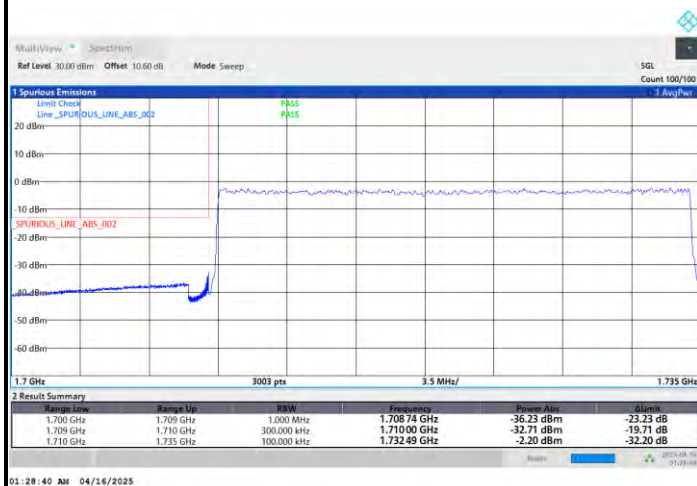


Highest Band Edge / Full RB

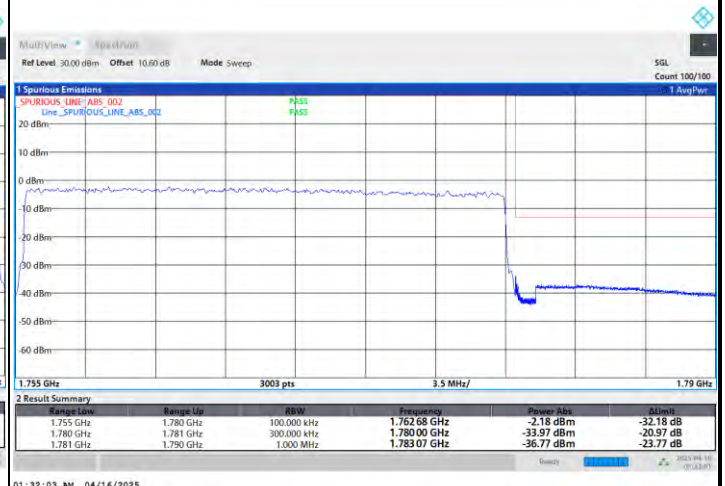


FR1 n66 / 25MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



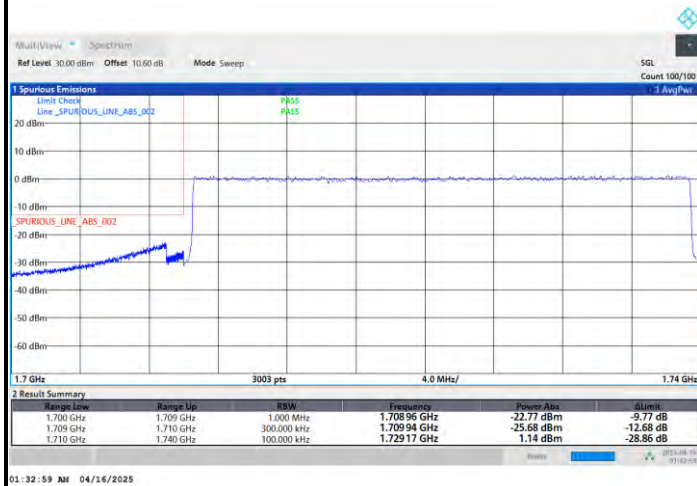
Highest Band Edge / Full RB



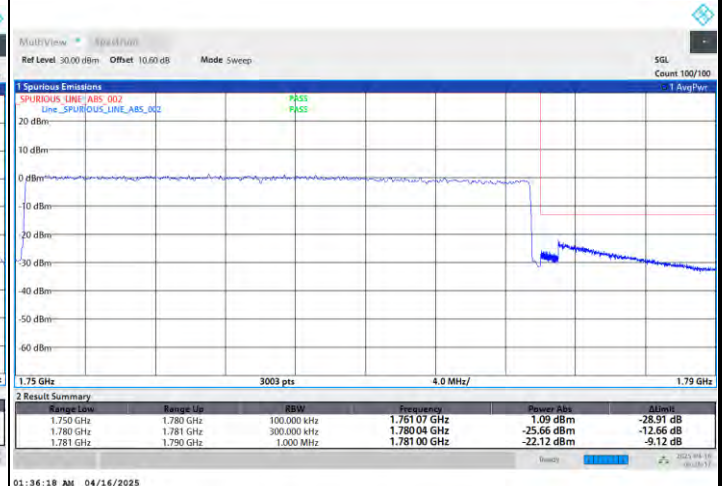


FR1 n66 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

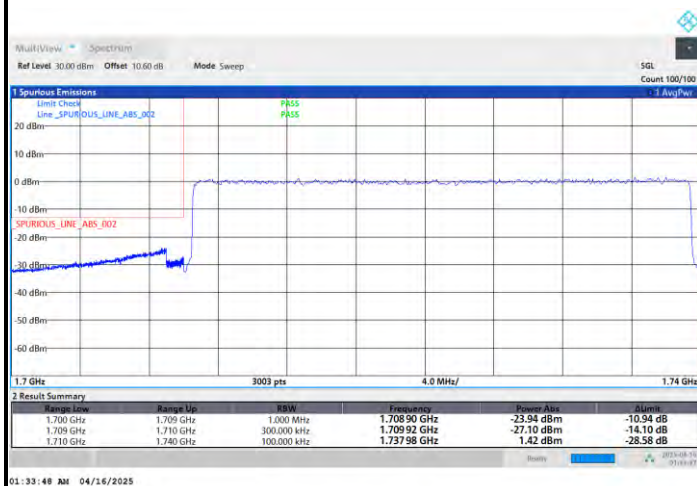


Highest Band Edge / Full RB



FR1 n66 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



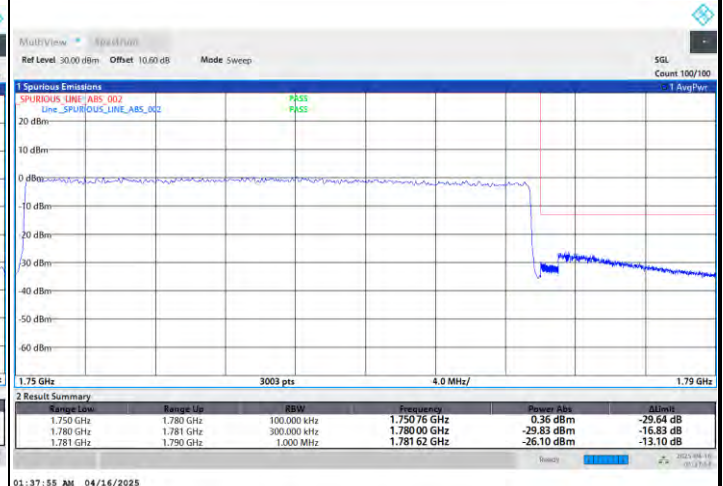


FR1 n66 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

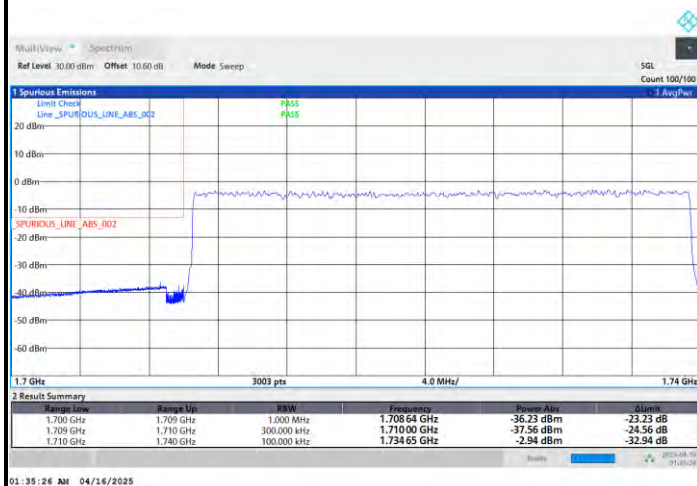


Highest Band Edge / Full RB

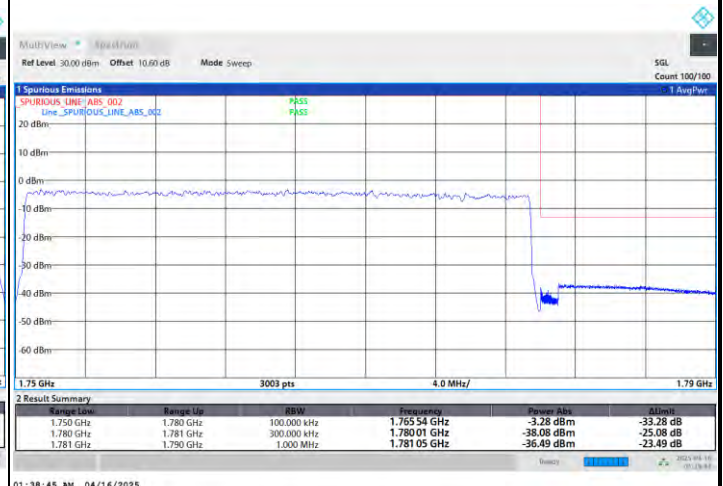


FR1 n66 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



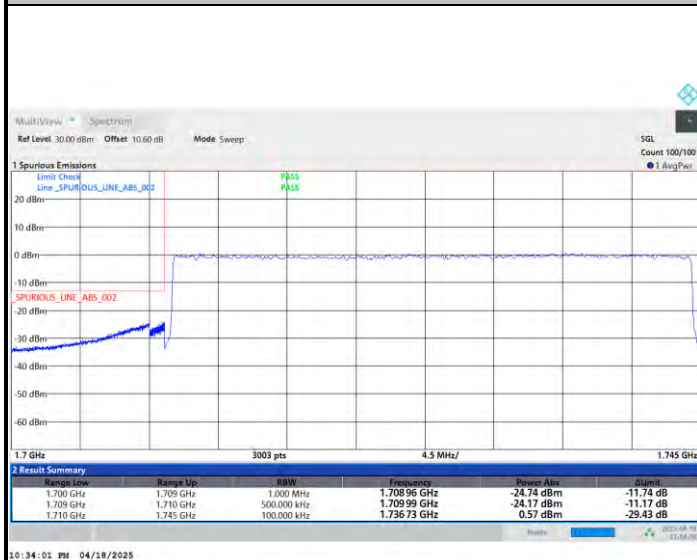
Highest Band Edge / Full RB





FR1 n66 / 35MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



10:34:01 PM 04/18/2025

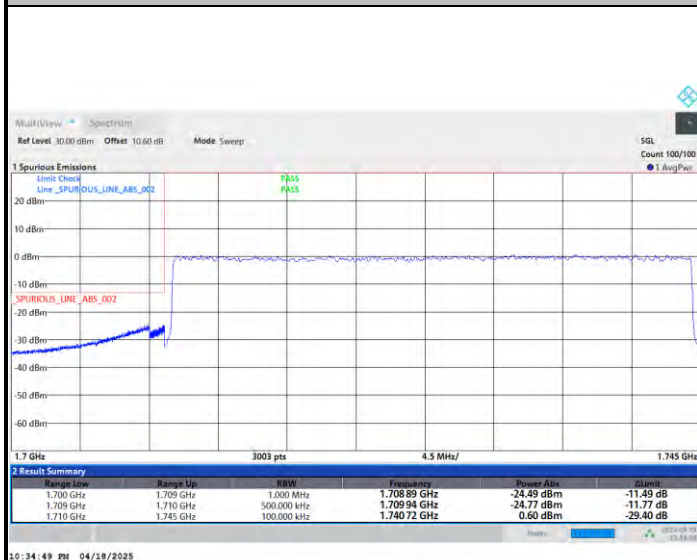
Highest Band Edge / Full RB



10:37:18 PM 04/18/2025

FR1 n66 / 35MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



10:34:49 PM 04/18/2025

Highest Band Edge / Full RB



10:38:06 PM 04/18/2025



FR1 n66 / 35MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



FR1 n66 / 35MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



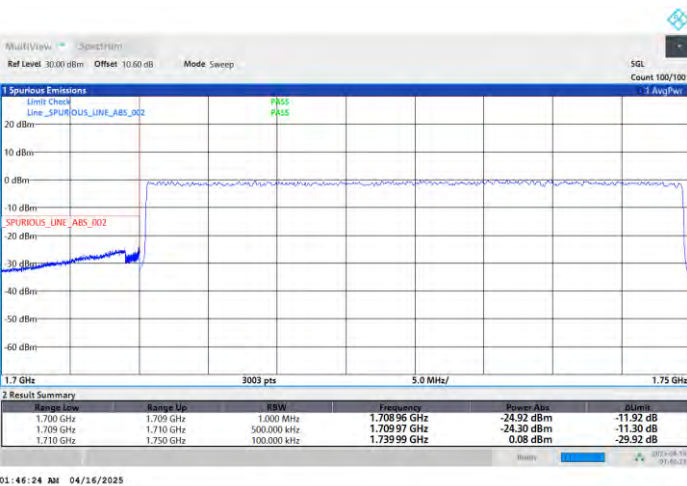
Highest Band Edge / Full RB



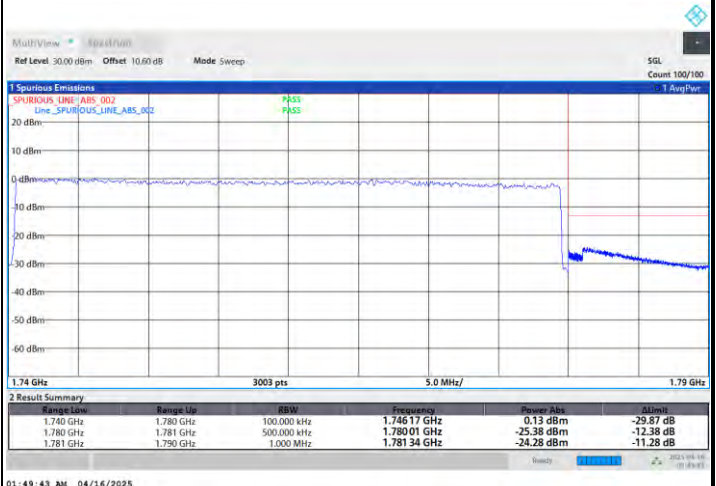


FR1 n66 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

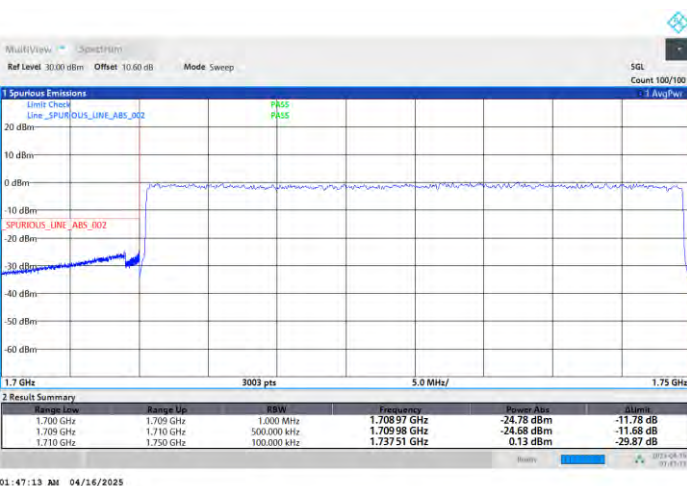


Highest Band Edge / Full RB

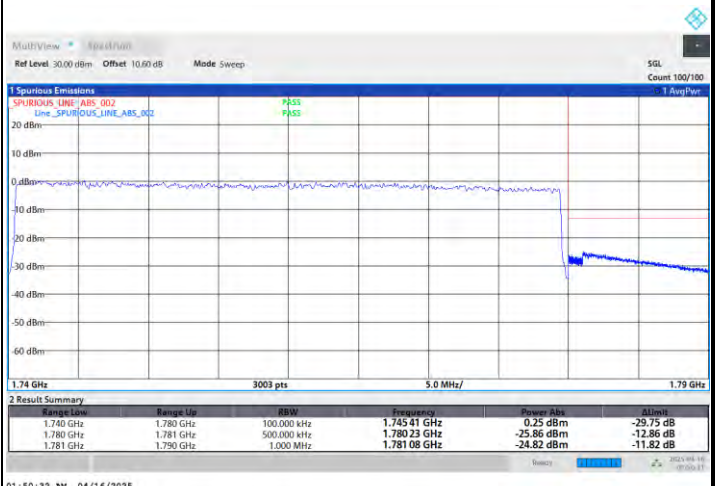


FR1 n66 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



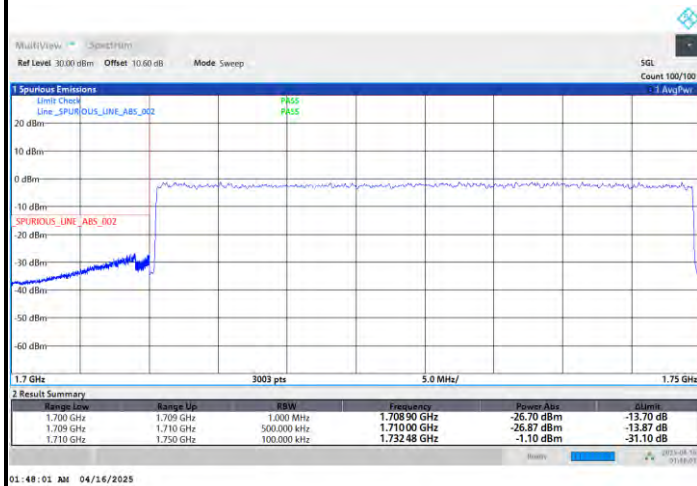
Highest Band Edge / Full RB





FR1 n66 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

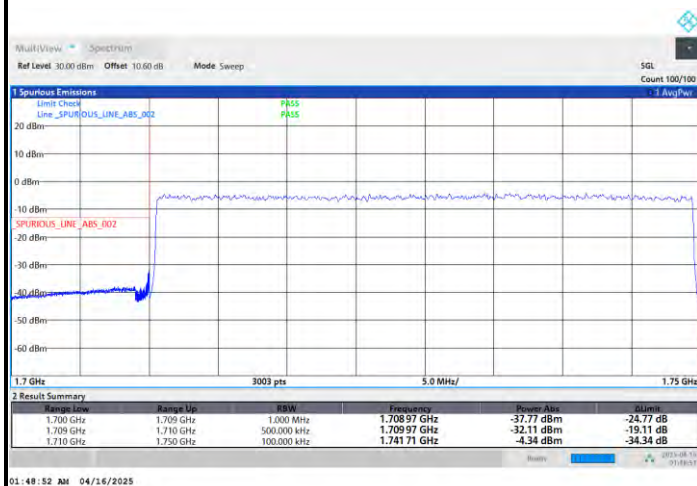


Highest Band Edge / Full RB

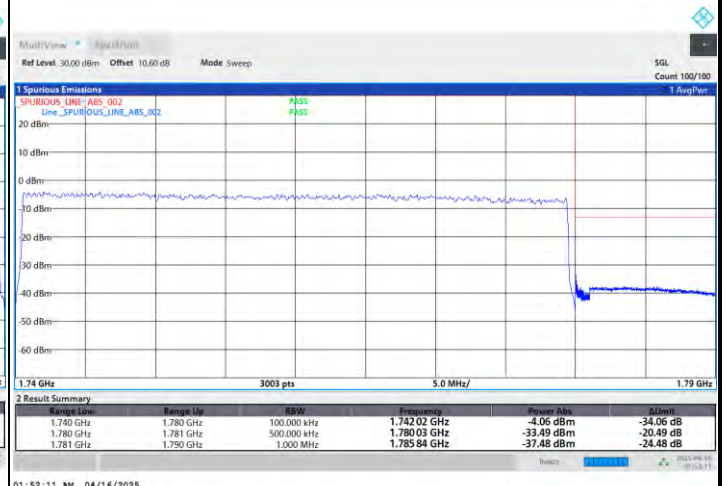


FR1 n66 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

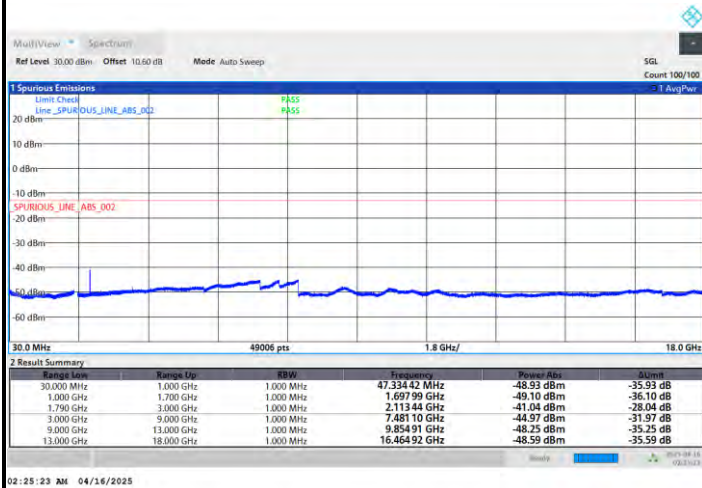




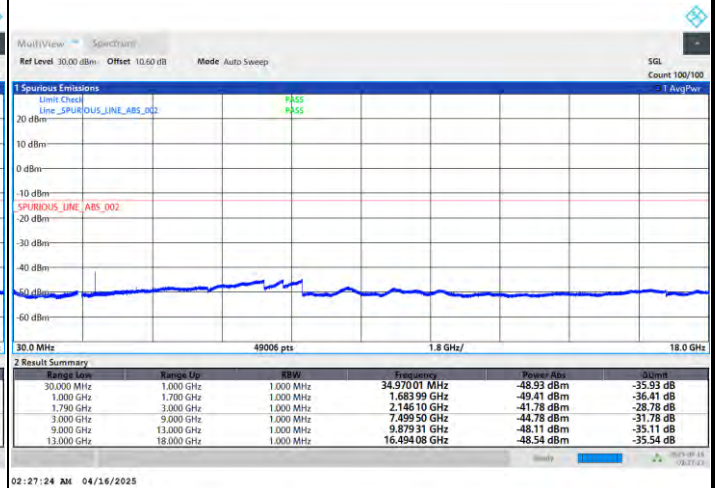
Conducted Spurious Emission

FR1 n66 / 5MHz / CP OFDM / QPSK / 1RB1

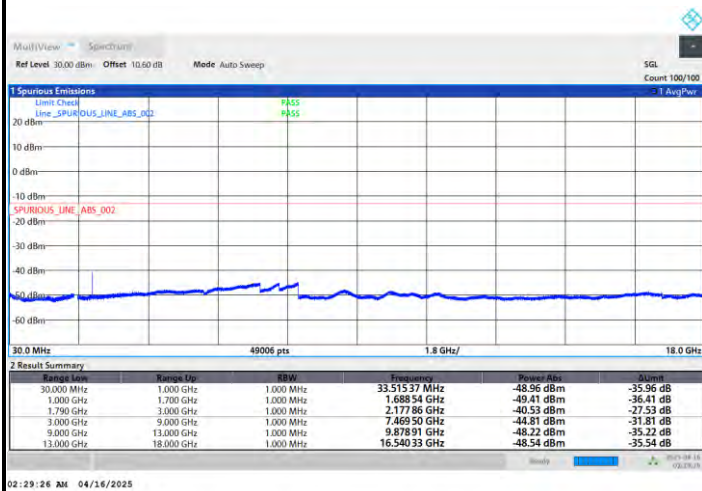
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0079	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0111	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0017	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

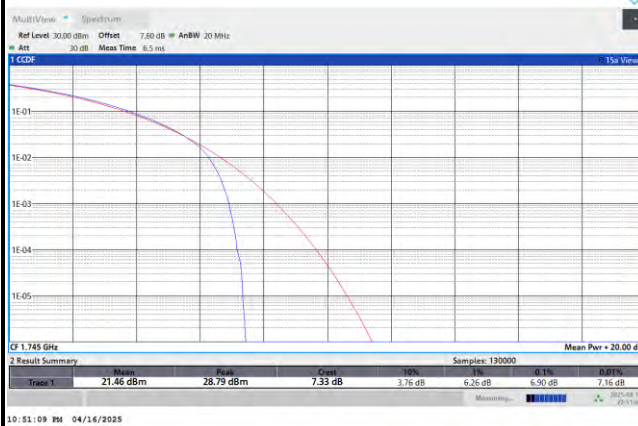
**<MIMO Mode>****MIMO <Ant. 0+3> (Ant. 3)****Peak-to-Average Ratio**

Mode	FR1 n66 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.90	6.94	7.84	8.58	PASS

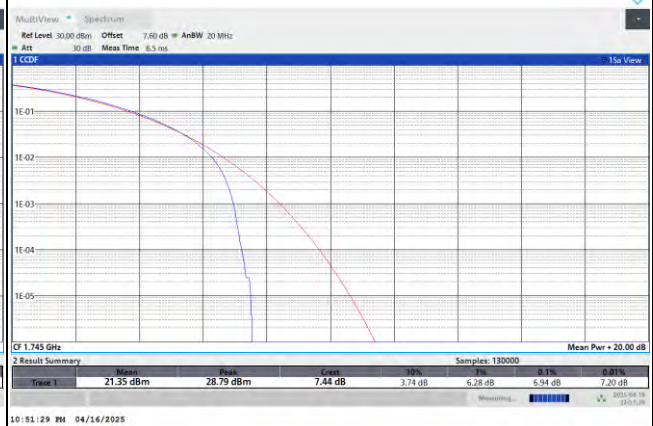


FR1 n66 / 20MHz /CP OFDM / Middle Channel / Full RB

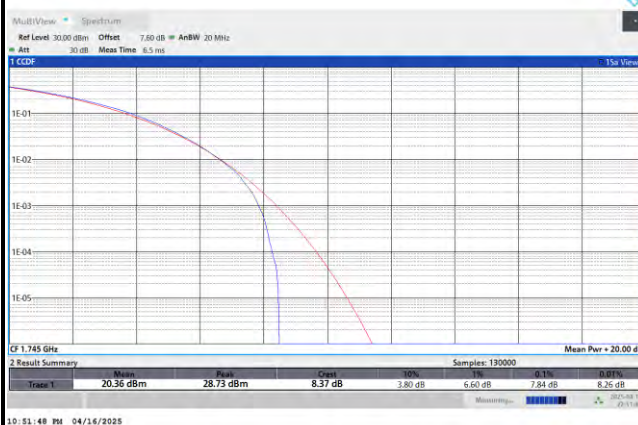
QPSK



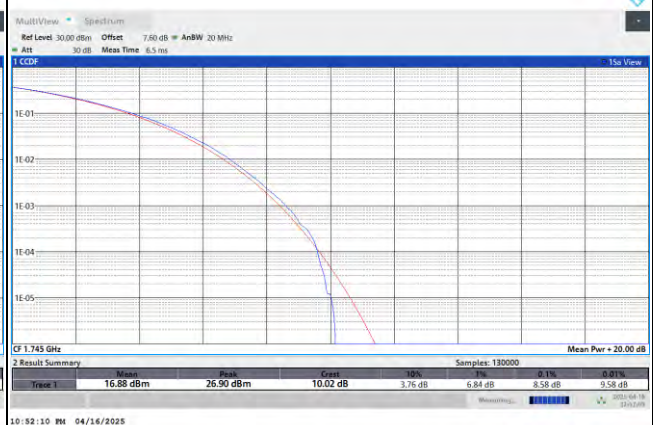
16QAM



64QAM

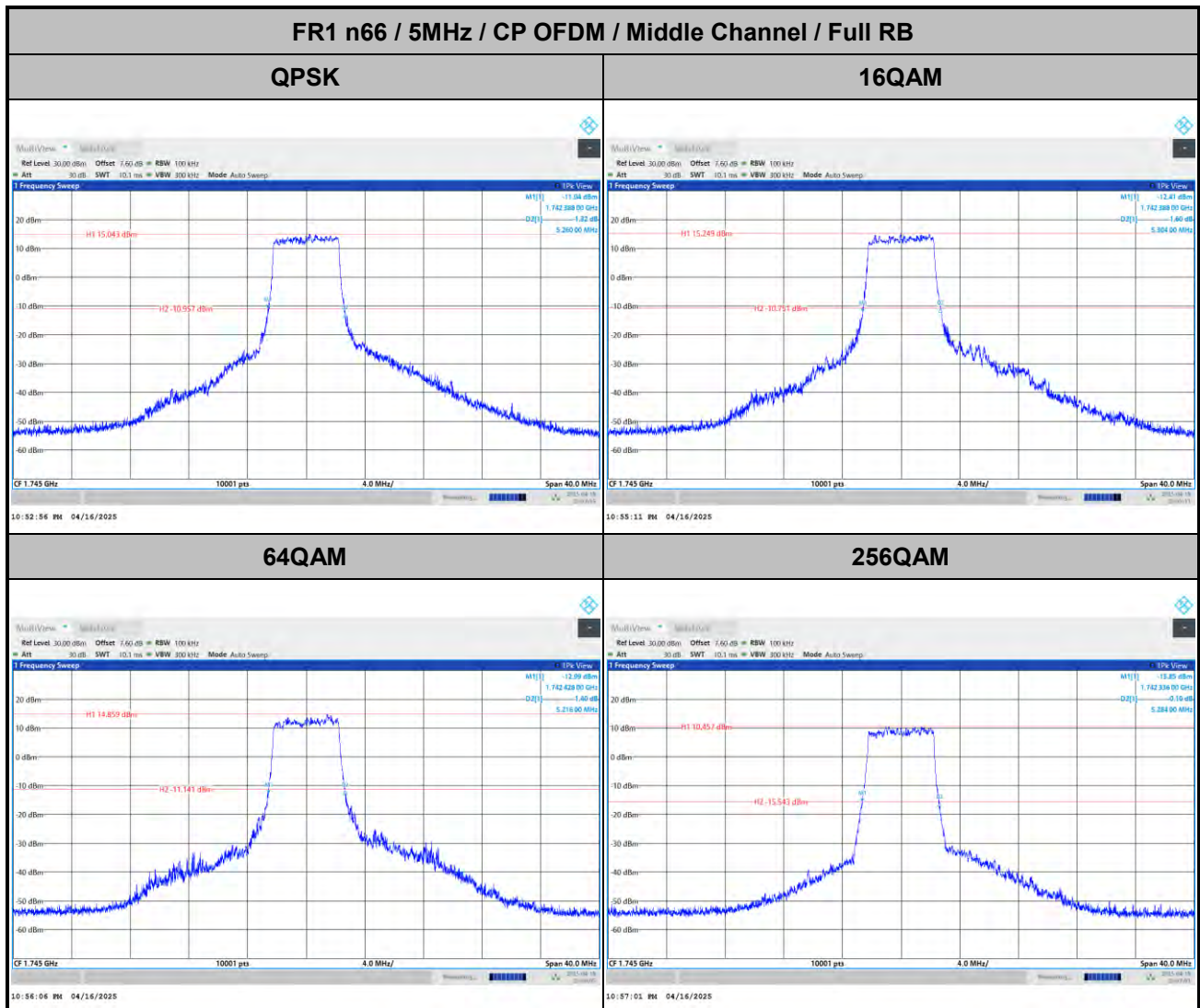


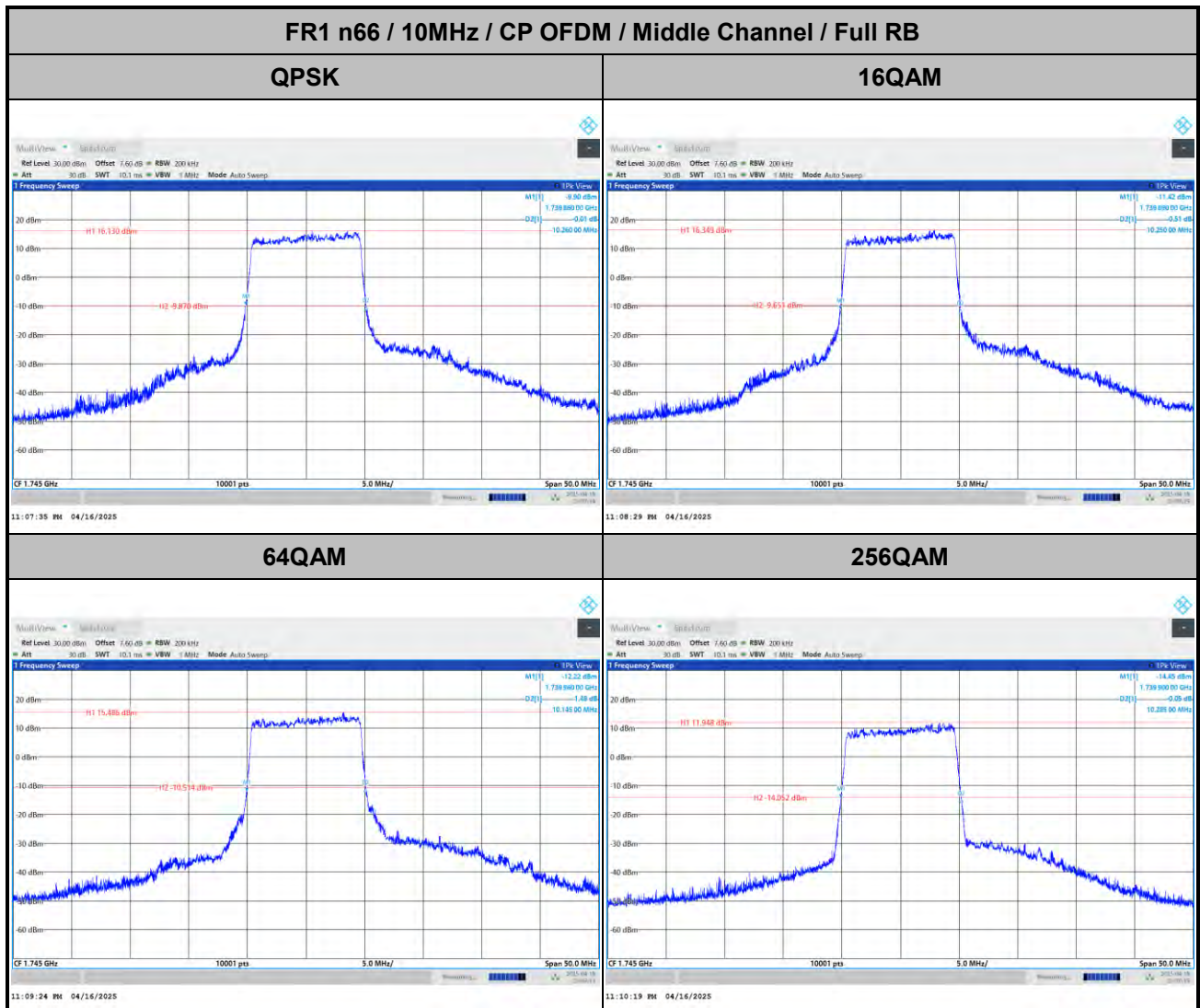
256QAM

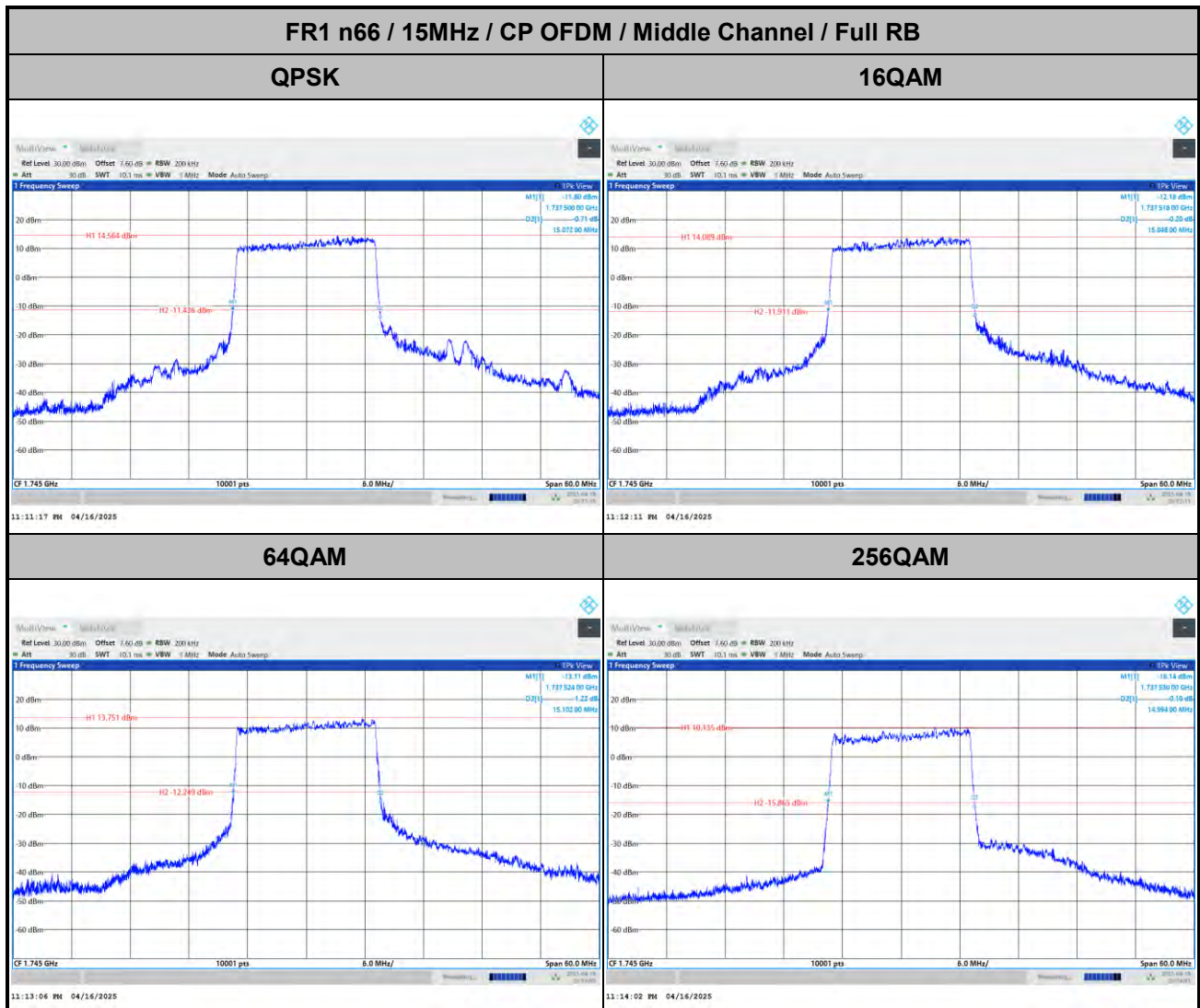


**26dB Bandwidth**

Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.26	5.30	10.26	10.25	15.07	15.04	20.36	20.53
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.21	5.28	10.14	10.28	15.10	14.99	20.31	20.41
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.27	25.20	31.00	30.96	35.89	36.02	40.98	40.95
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.16	25.29	30.94	30.88	36.00	36.01	40.90	40.93



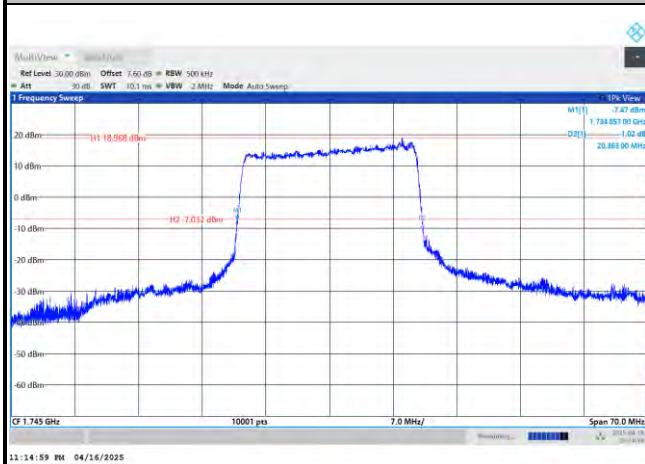






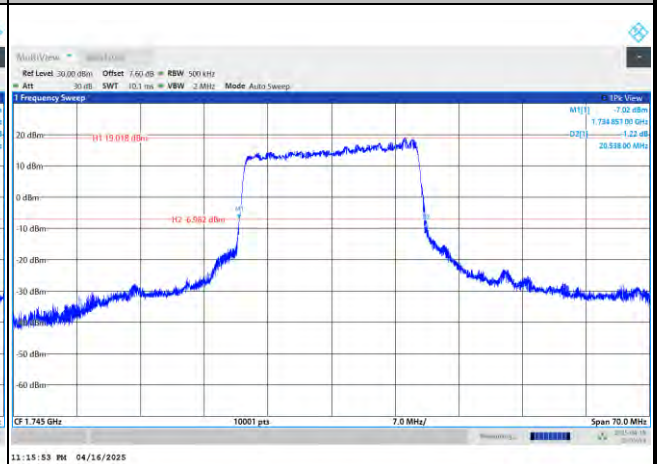
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



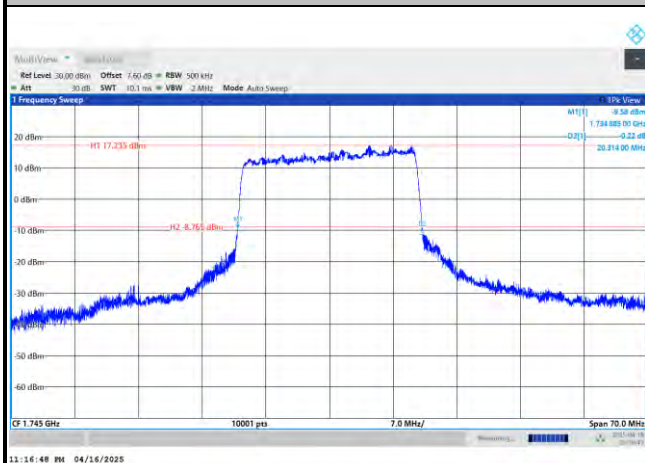
11:14:59 PM 04/16/2025

16QAM



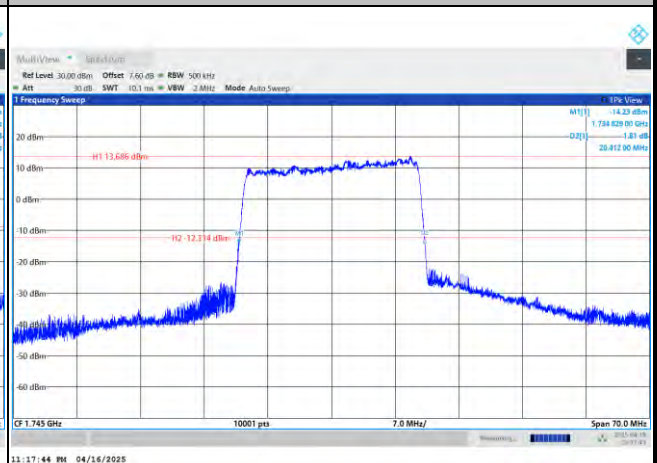
11:15:53 PM 04/16/2025

64QAM



11:16:48 PM 04/16/2025

256QAM

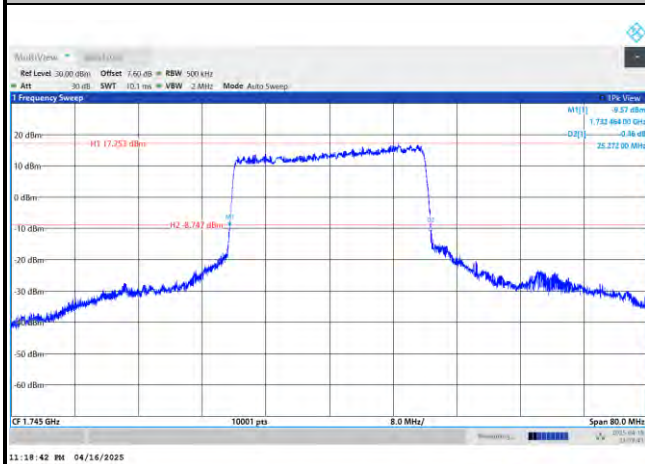


11:17:44 PM 04/16/2025

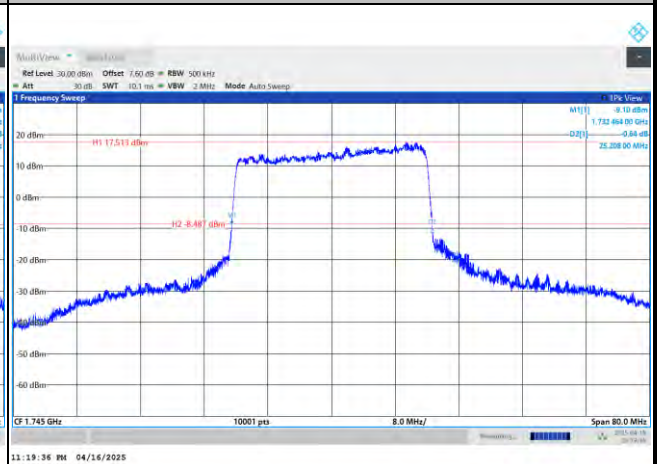


FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB

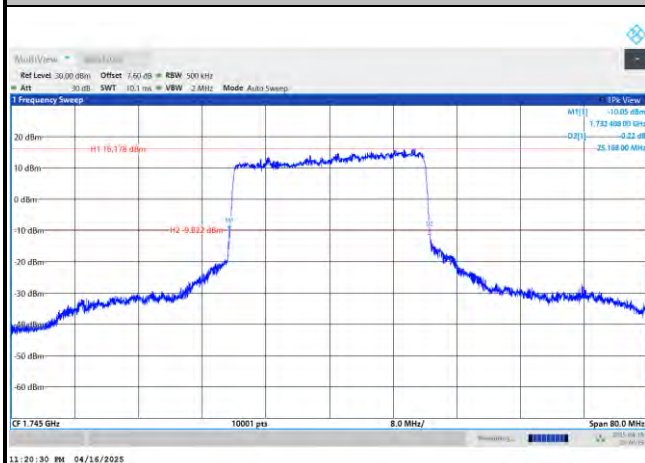
QPSK



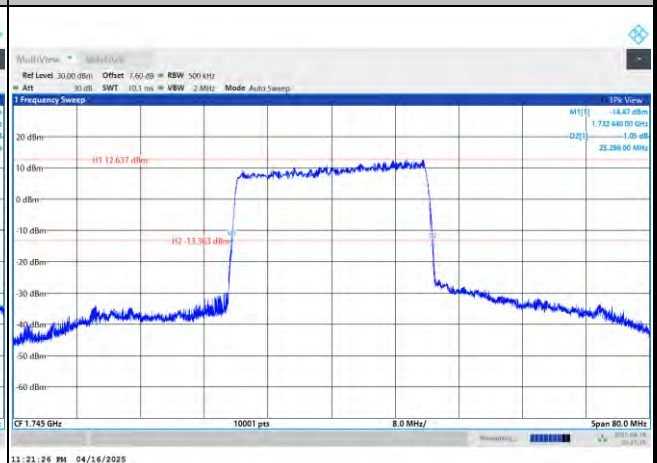
16QAM



64QAM



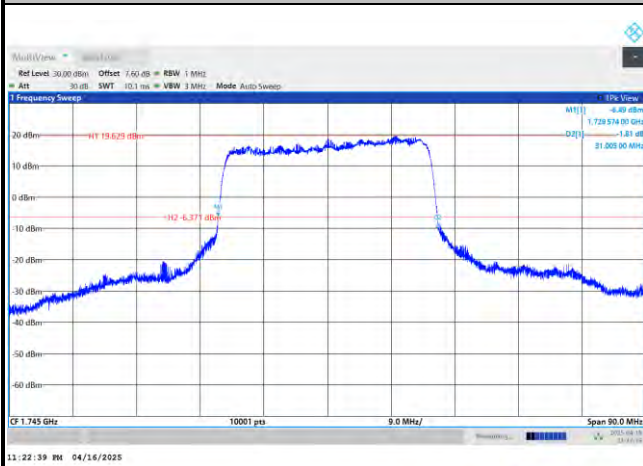
256QAM



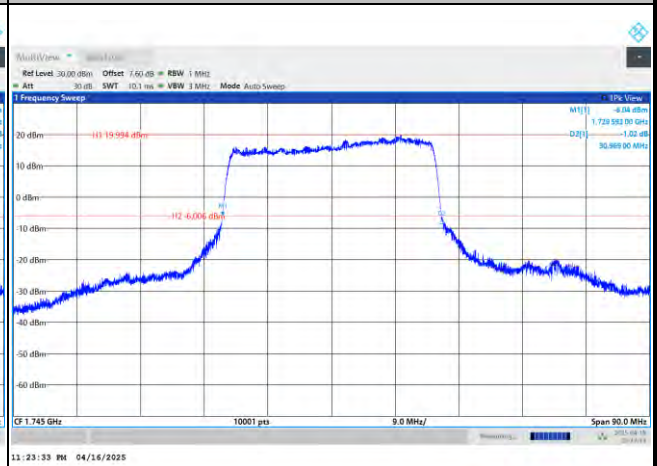


FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

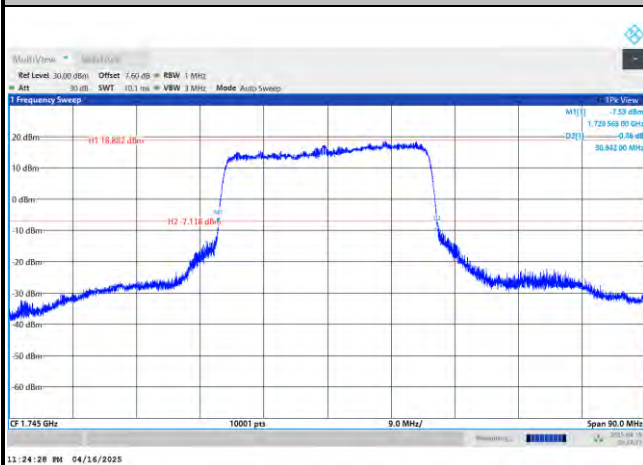
QPSK



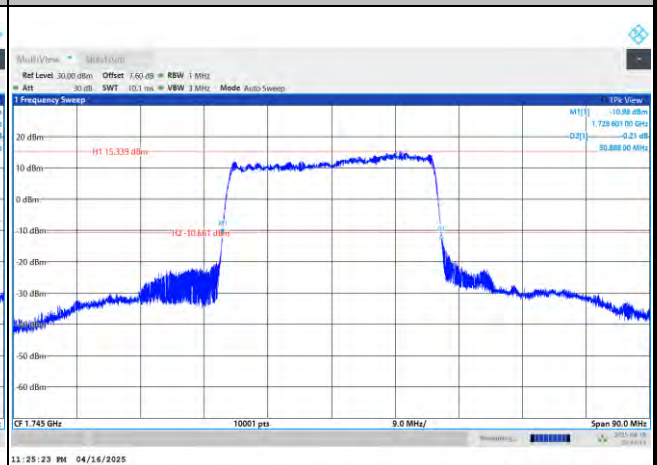
16QAM



64QAM



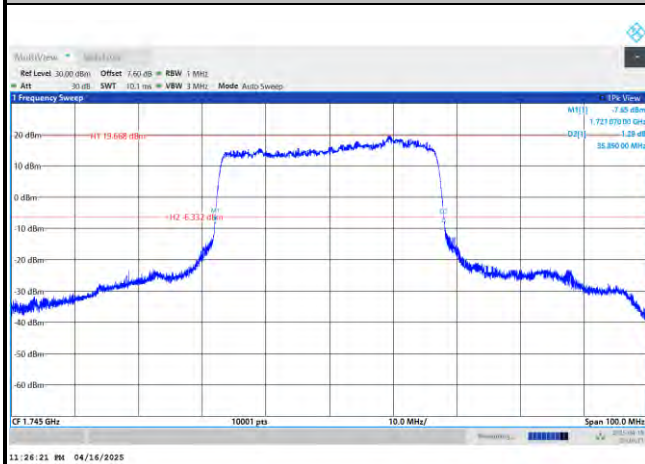
256QAM



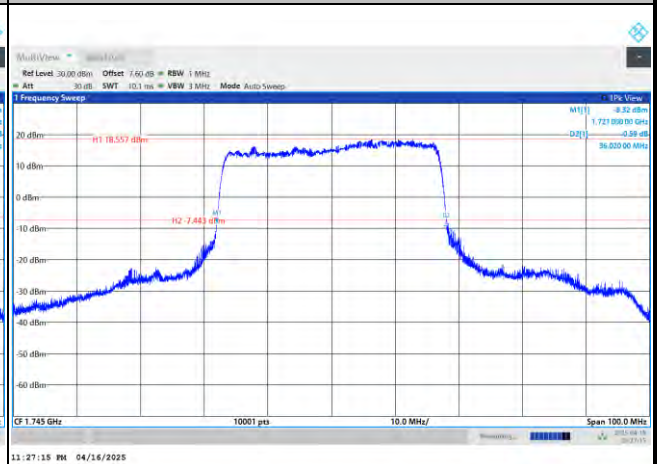


FR1 n66 / 35MHz / CP OFDM / Middle Channel / Full RB

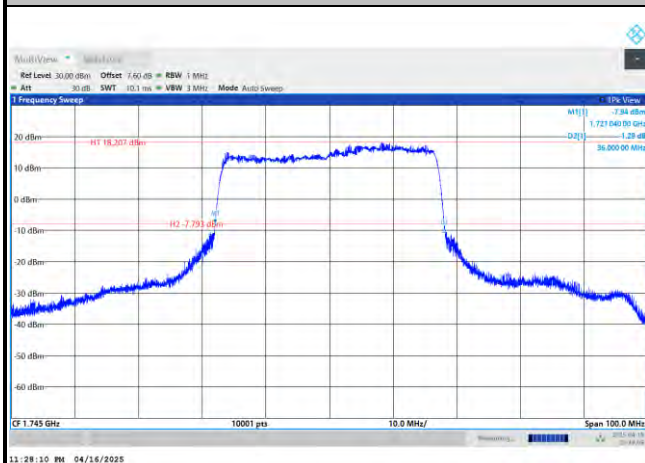
QPSK



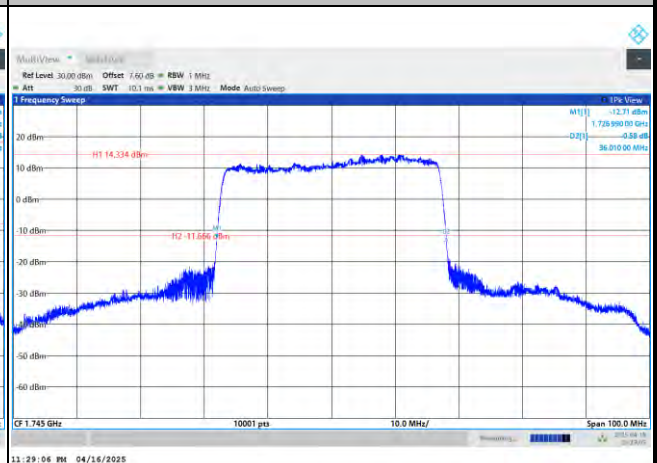
16QAM



64QAM



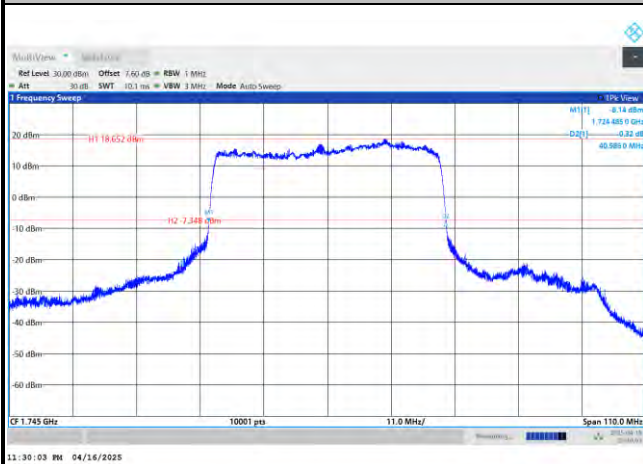
256QAM



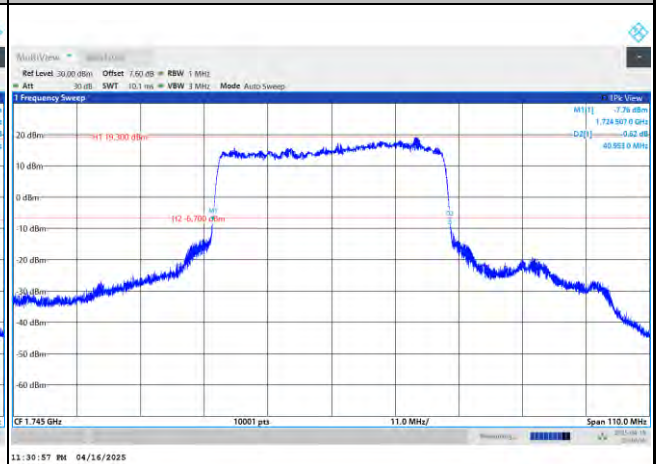


FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

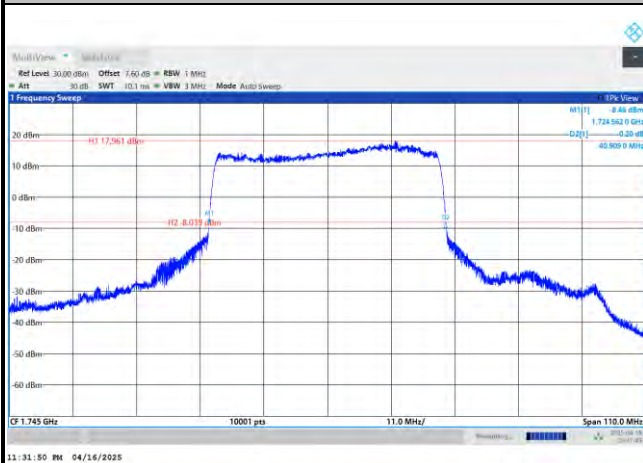
QPSK



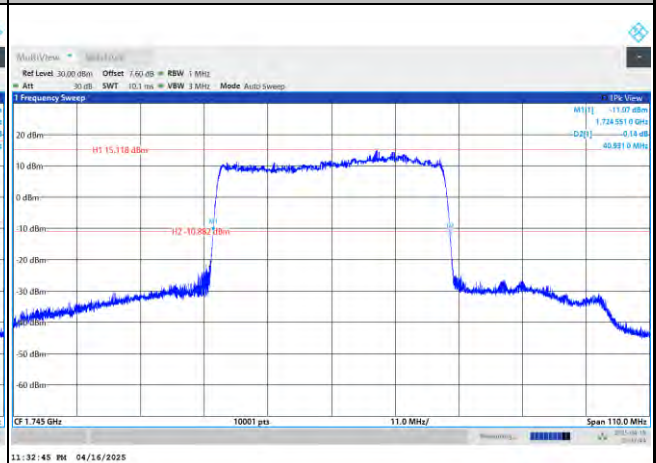
16QAM



64QAM



256QAM



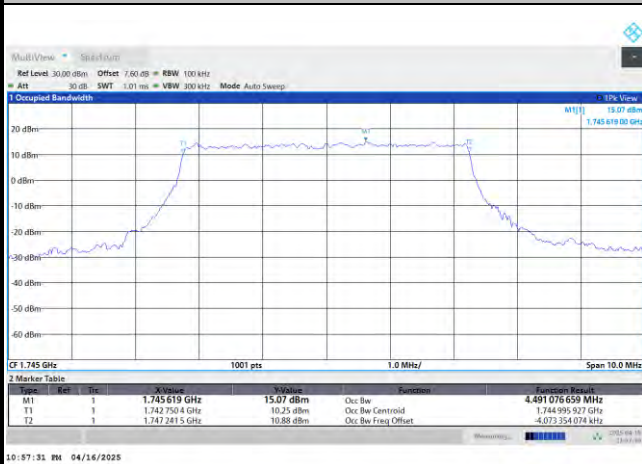
**Occupied Bandwidth**

Mode	FR1 n66 : OB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.53	9.32	9.34	14.12	14.10	19.03	19.01
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.49	4.50	9.33	9.36	14.16	14.09	19.05	19.03
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.84	23.79	28.78	28.89	33.74	33.73	38.68	38.68
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.84	23.81	28.80	28.91	33.65	33.80	38.65	38.67

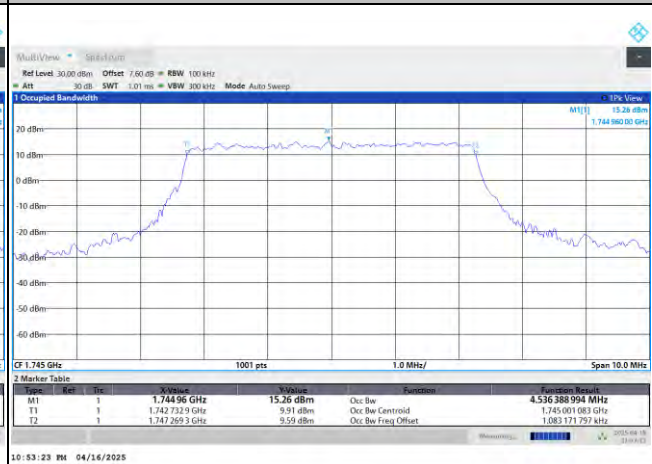


FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

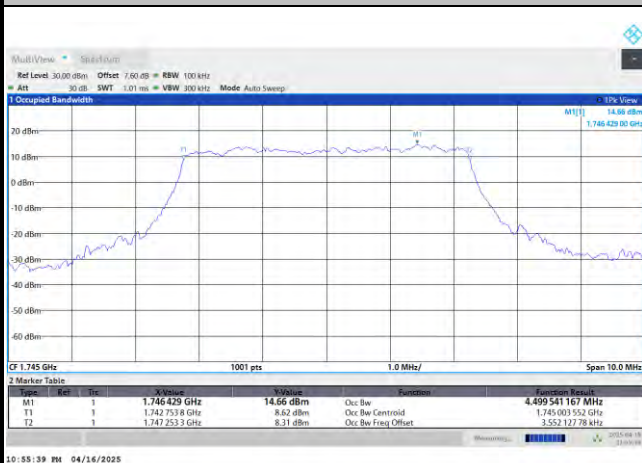
QPSK



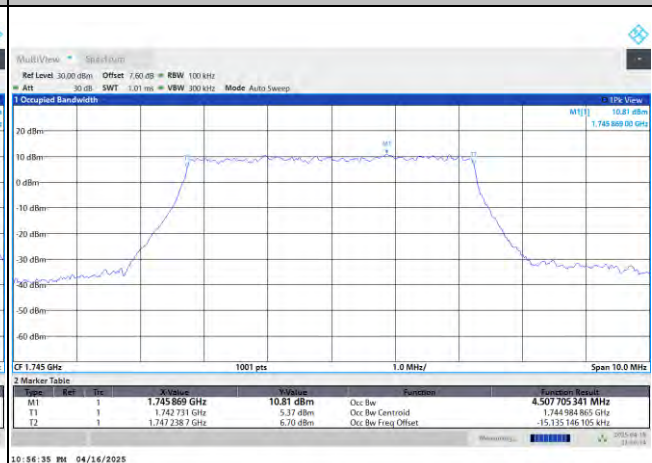
16QAM



64QAM



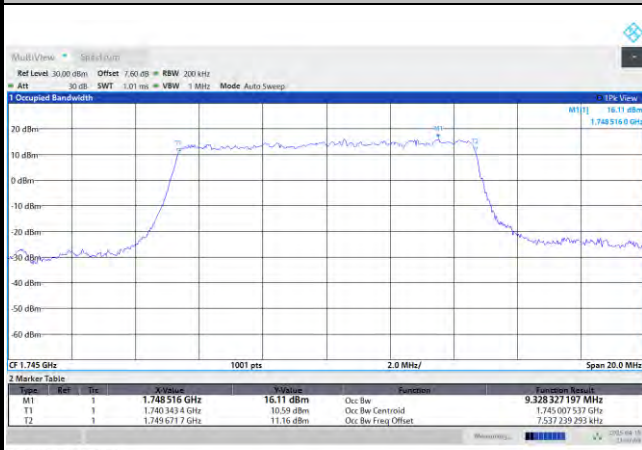
256QAM



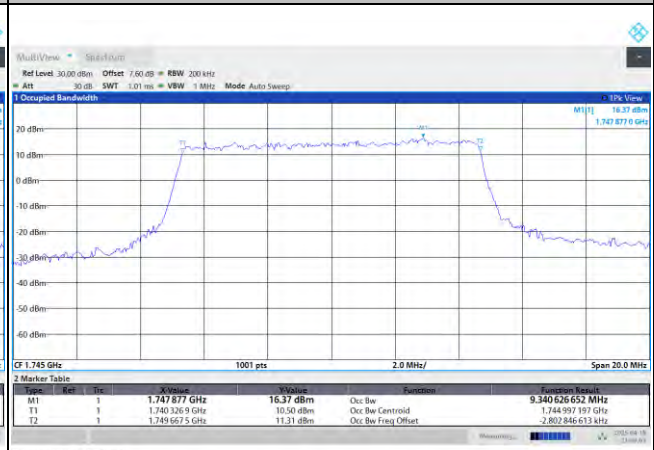


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

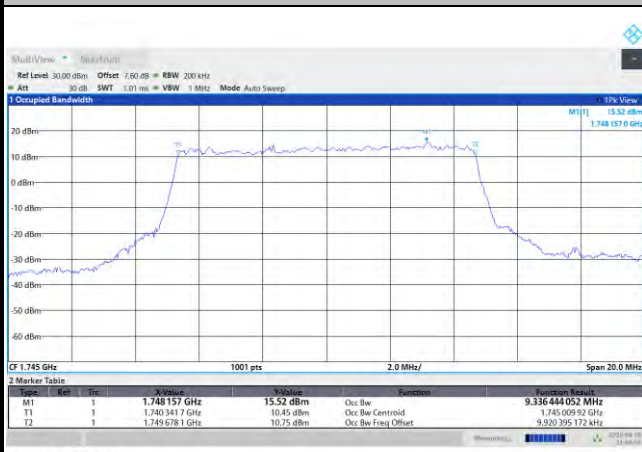
QPSK



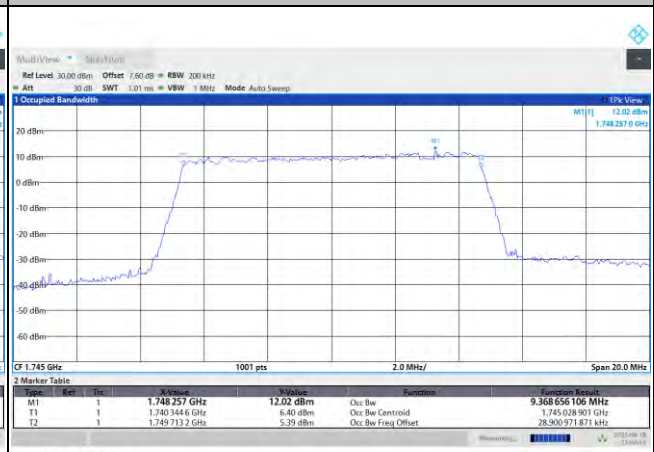
16QAM



64QAM



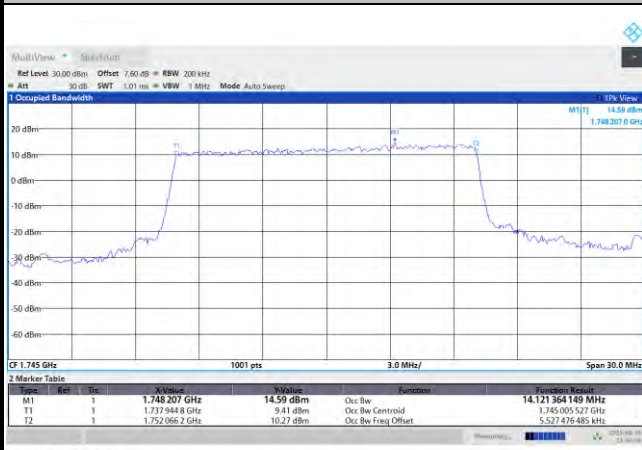
256QAM



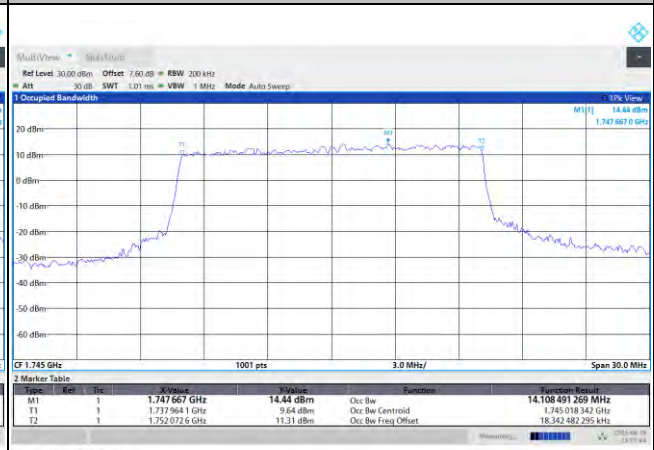


FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB

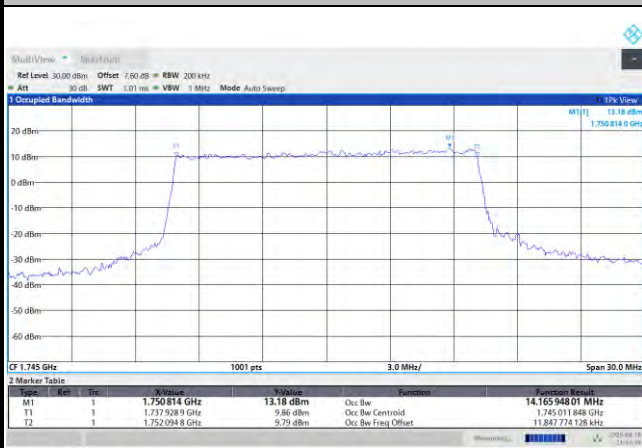
QPSK



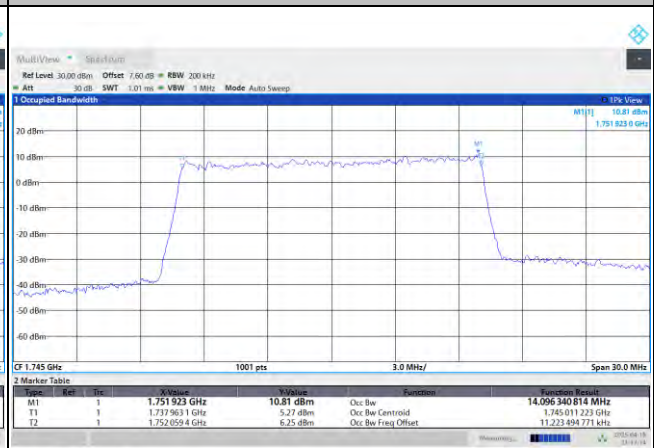
16QAM



64QAM



256QAM



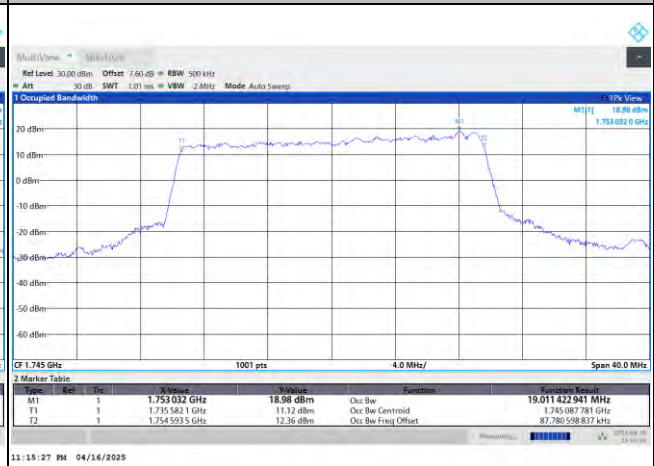


FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

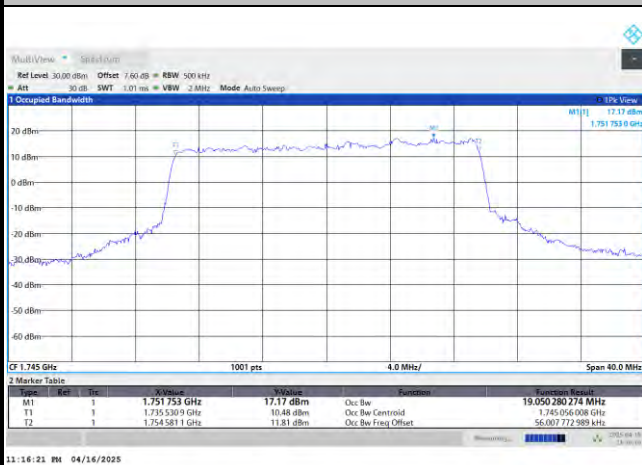
QPSK



16QAM



64QAM



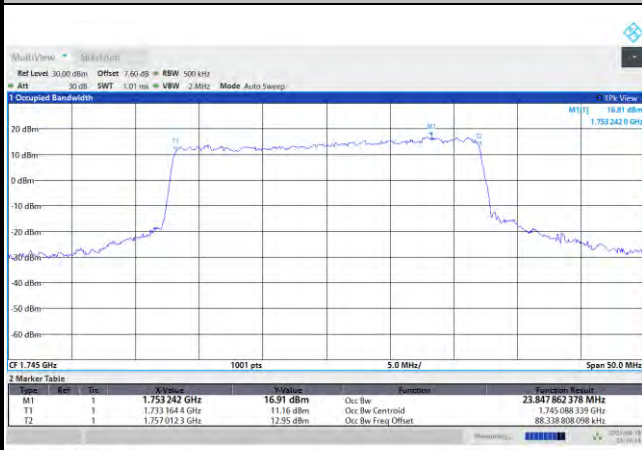
256QAM





FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB

QPSK



11:18:15 PM 04/16/2025

16QAM



11:19:09 PM 04/16/2025

64QAM



11:20:03 PM 04/16/2025

256QAM



11:20:59 PM 04/16/2025