

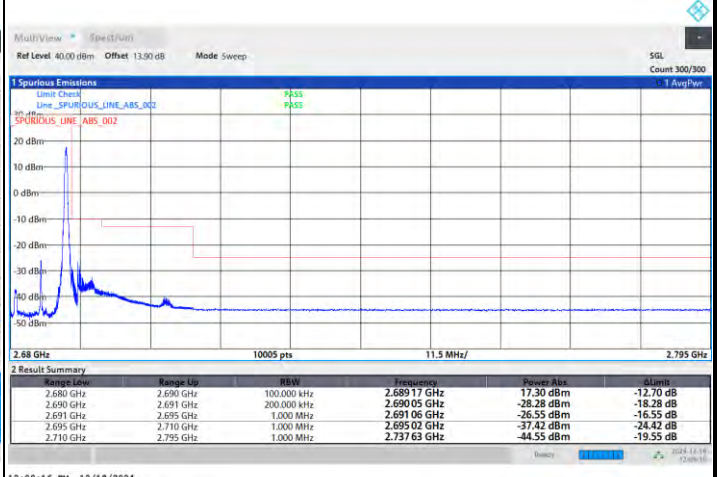


Conducted Band Edge

FR1 n41 / 10MHz / CP OFDM / QPSK

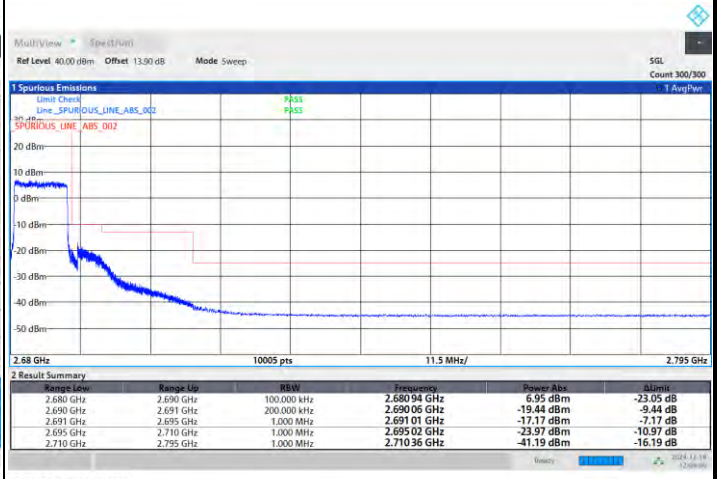
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

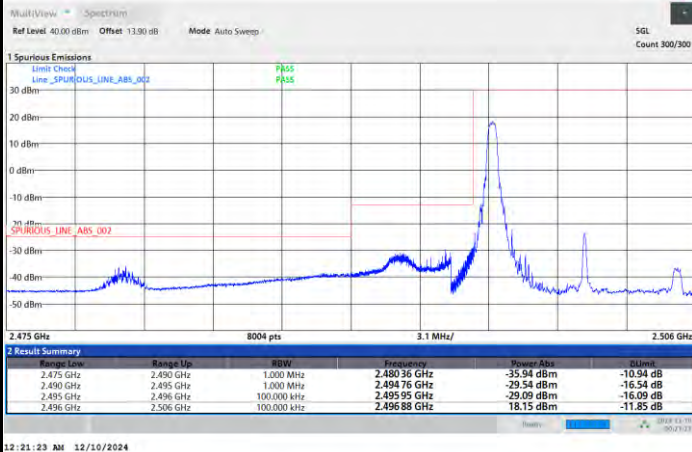




FR1 n41 / 10MHz / CP OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

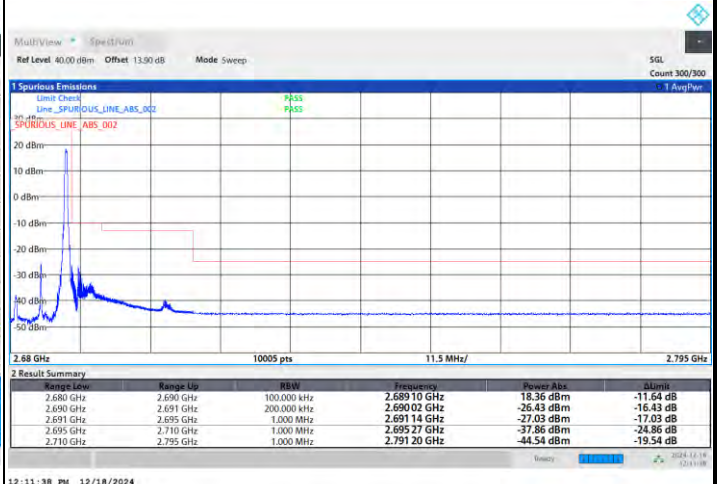




FR1 n41 / 10MHz / CP OFDM / 64QAM

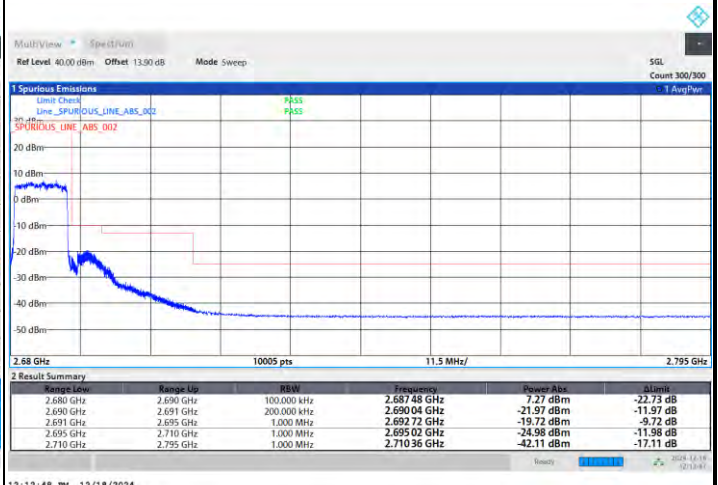
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

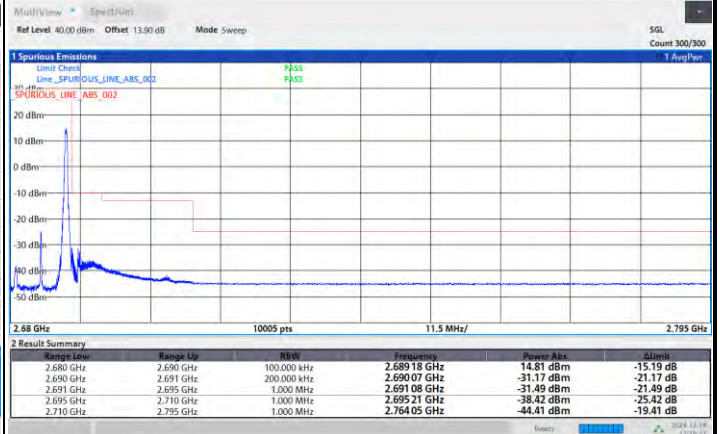
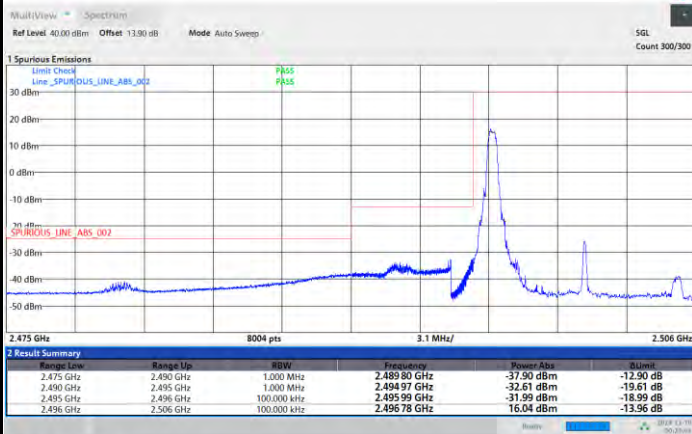




FR1 n41 / 10MHz / CP OFDM / 256QAM

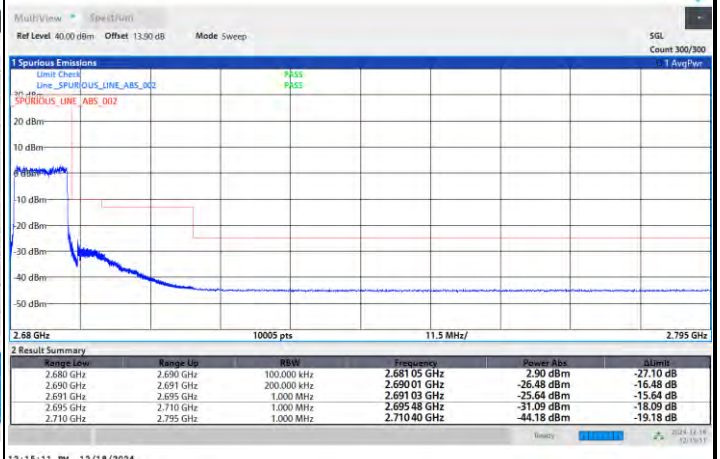
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



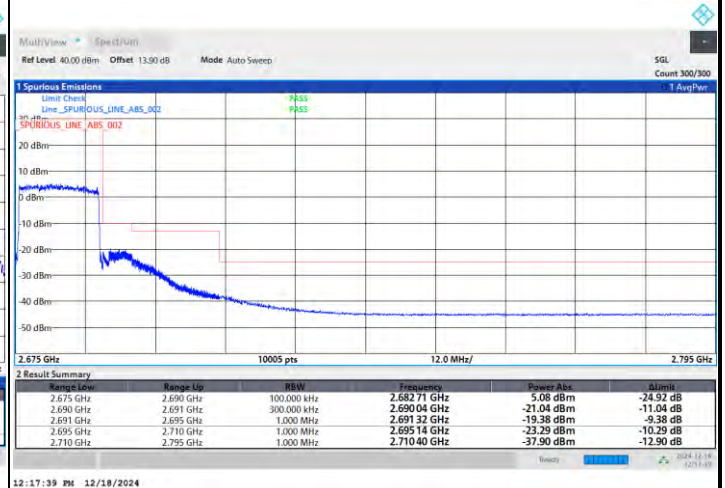


FR1 n41 / 15MHz / CP OFDM / QPSK

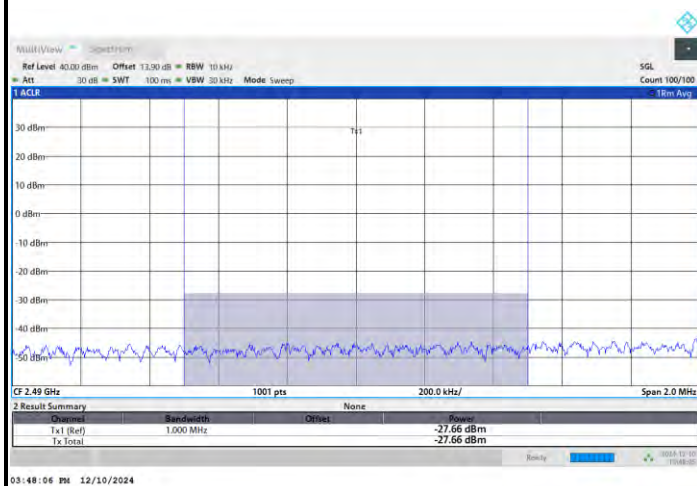
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



Power Limit -25dBm > -27.66 dBm Pass



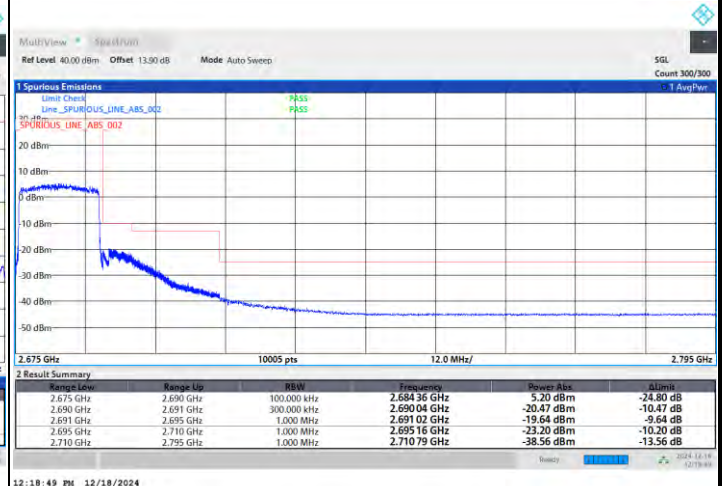


FR1 n41 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



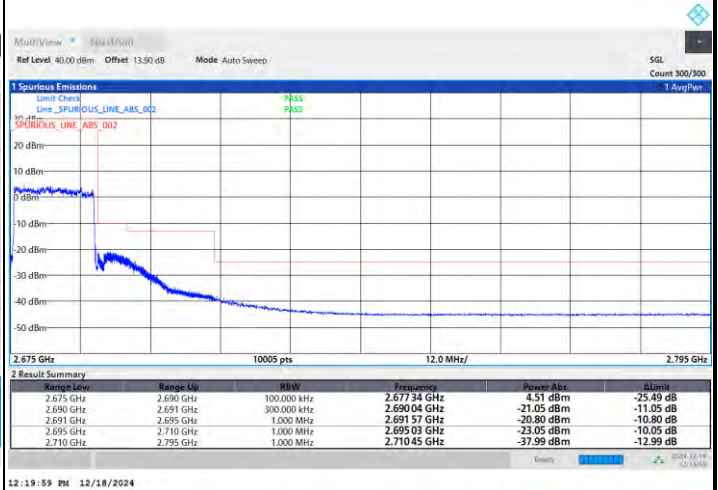


FR1 n41 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

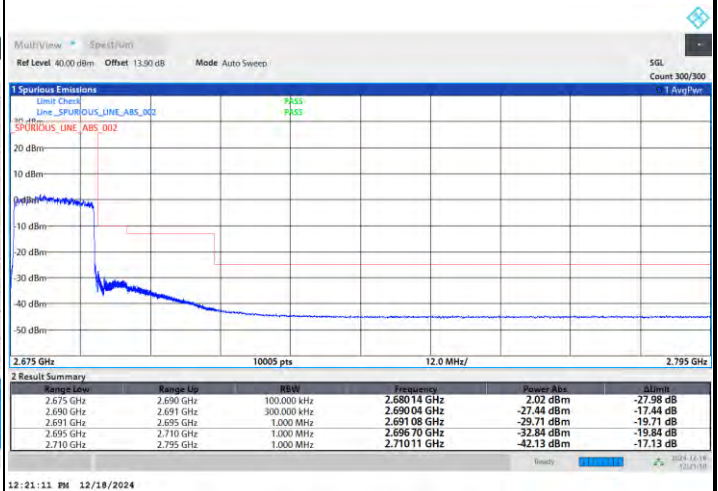


FR1 n41 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

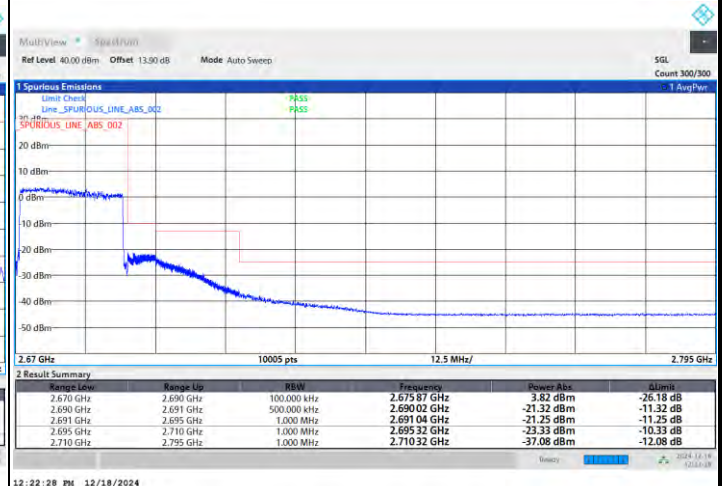


Highest Band Edge / Full RB



**FR1 n41 / 20MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB**

03:41:09 PM 12/10/2024

Highest Band Edge / Full RB

12:02:28 PM 12/18/2024

FR1 n41 / 20MHz / CP OFDM / 16QAM**Lowest Band Edge / Full RB**

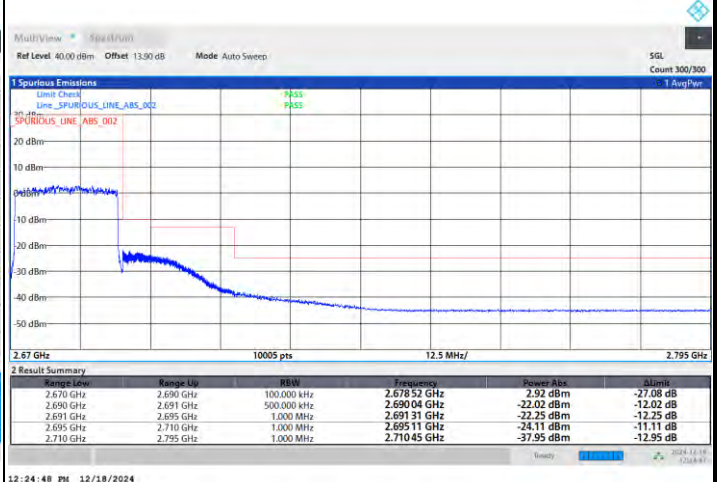
12:09:32 AM 12/10/2024

Highest Band Edge / Full RB

12:23:38 PM 12/18/2024

**FR1 n41 / 20MHz / CP OFDM / 64QAM****Lowest Band Edge / Full RB**

12:10:42 AM 12/10/2024

Highest Band Edge / Full RB

12:24:48 PM 12/18/2024

FR1 n41 / 20MHz / CP OFDM / 256QAM**Lowest Band Edge / Full RB**

12:11:53 AM 12/10/2024

Highest Band Edge / Full RB

12:25:59 PM 12/18/2024

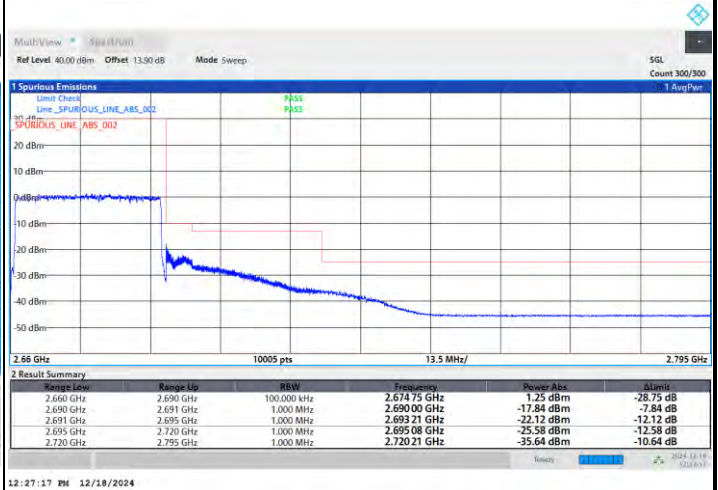


FR1 n41 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

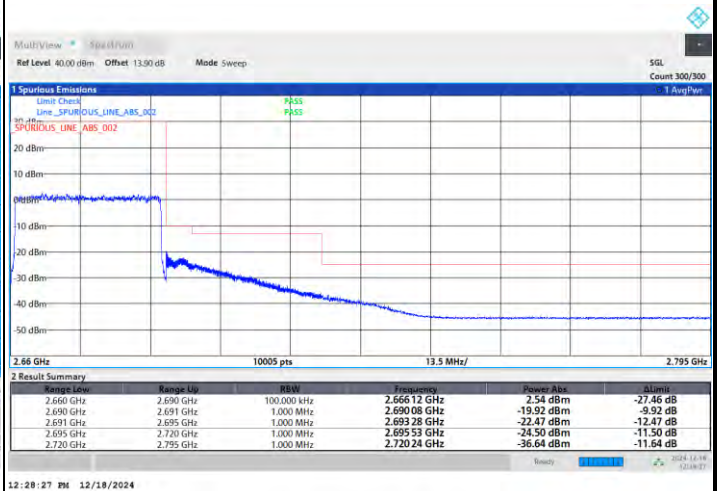


FR1 n41 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n41 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

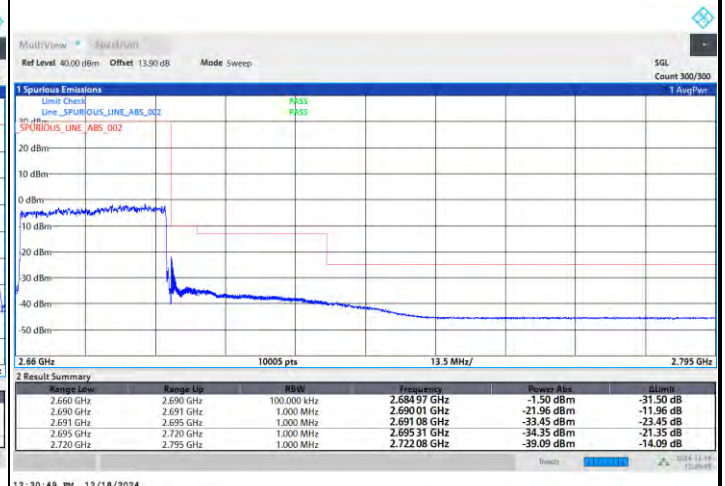


FR1 n41 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:54:21 PM 12/09/2024

Highest Band Edge / Full RB



12:32:05 PM 12/18/2024

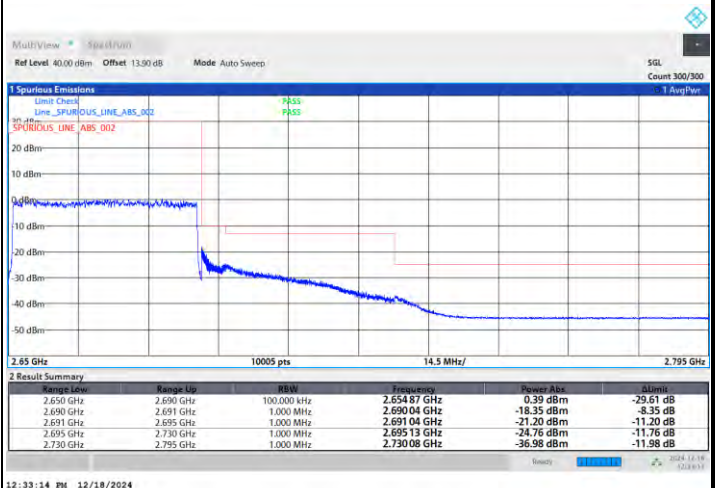
FR1 n41 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:55:31 PM 12/09/2024

Highest Band Edge / Full RB



12:33:14 PM 12/18/2024



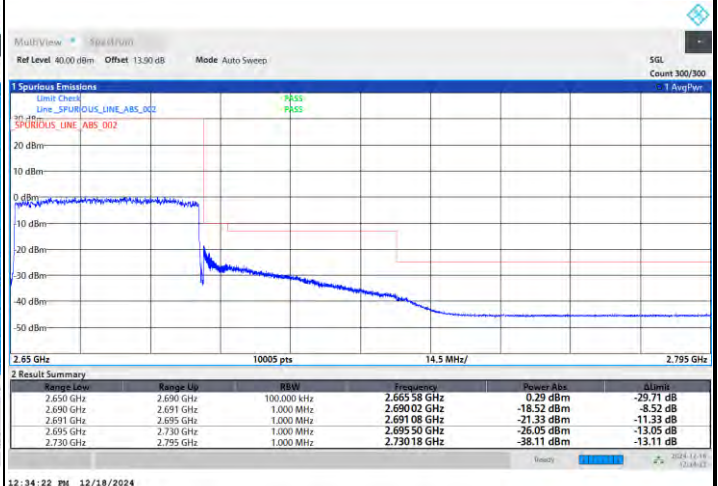
FR1 n41 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:56:41 PM 12/09/2024

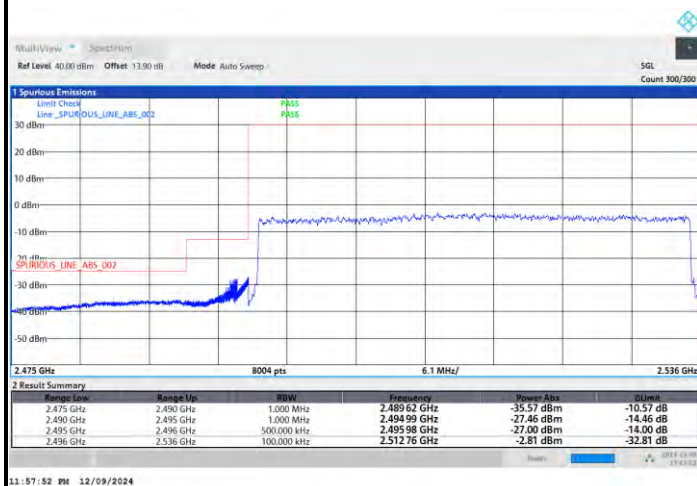
Highest Band Edge / Full RB



12:14:22 PM 12/18/2024

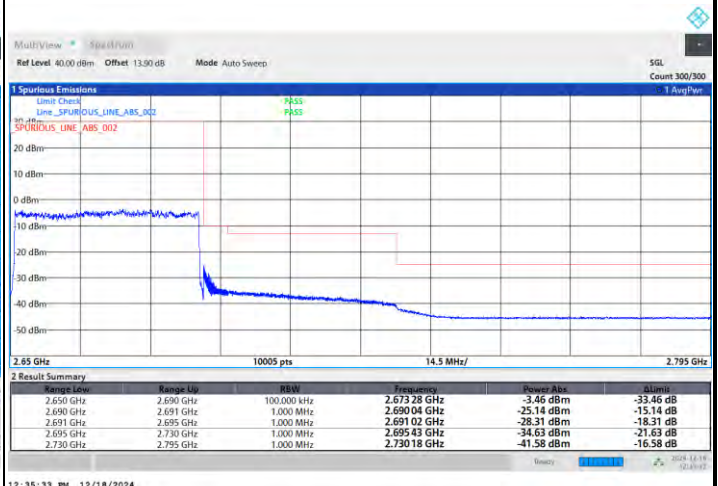
FR1 n41 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

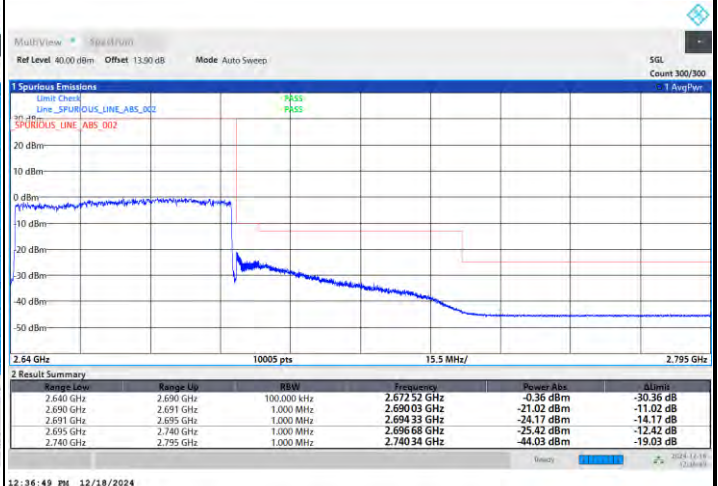
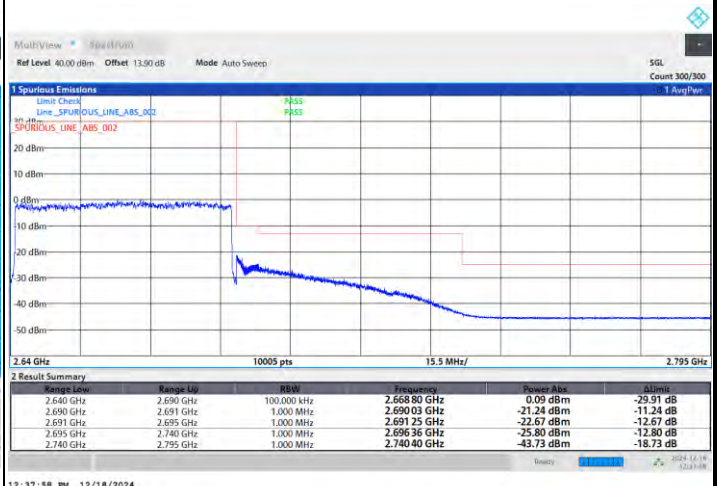


11:57:52 PM 12/09/2024

Highest Band Edge / Full RB



12:35:33 PM 12/18/2024

**FR1 n41 / 50MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n41 / 50MHz / CP OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:51:54 PM 12/09/2024

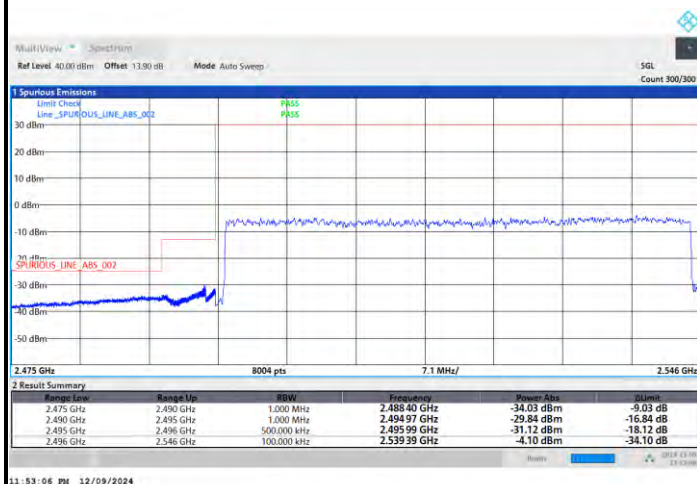
Highest Band Edge / Full RB



12:39:07 PM 12/18/2024

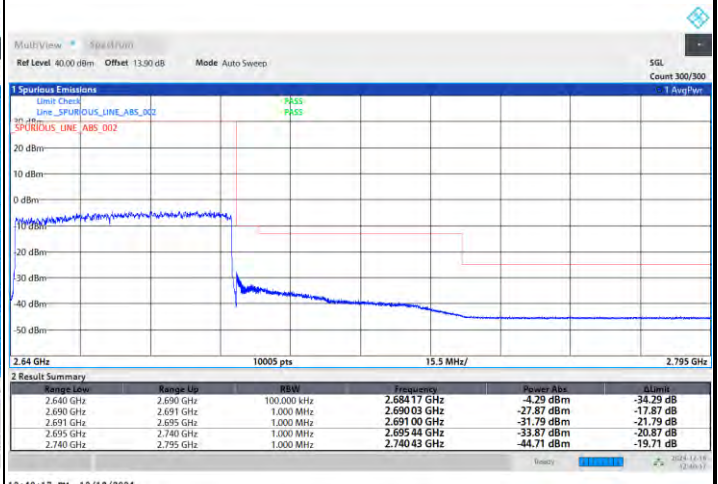
FR1 n41 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



11:53:06 PM 12/09/2024

Highest Band Edge / Full RB

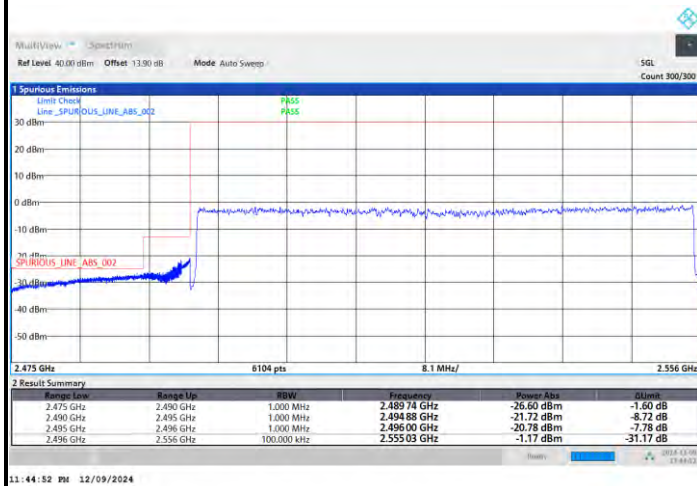


12:40:17 PM 12/18/2024



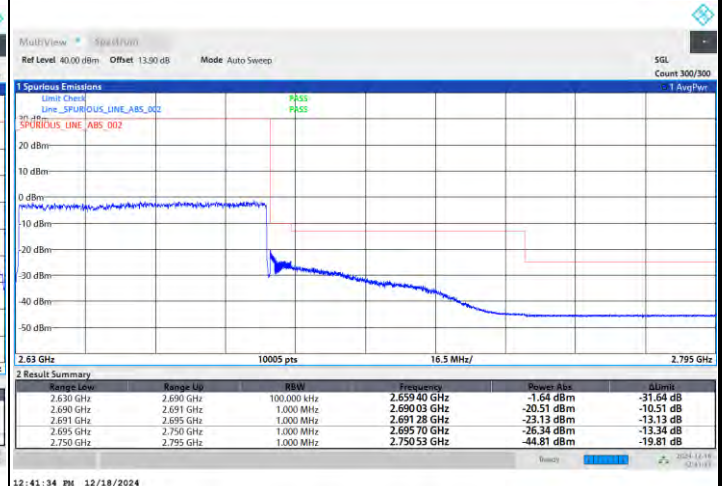
FR1 n41 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



11:44:52 PM 12/09/2024

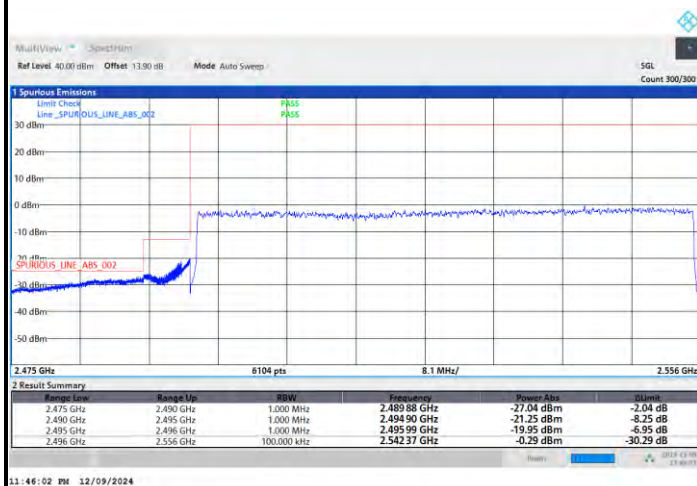
Highest Band Edge / Full RB



12:41:34 PM 12/18/2024

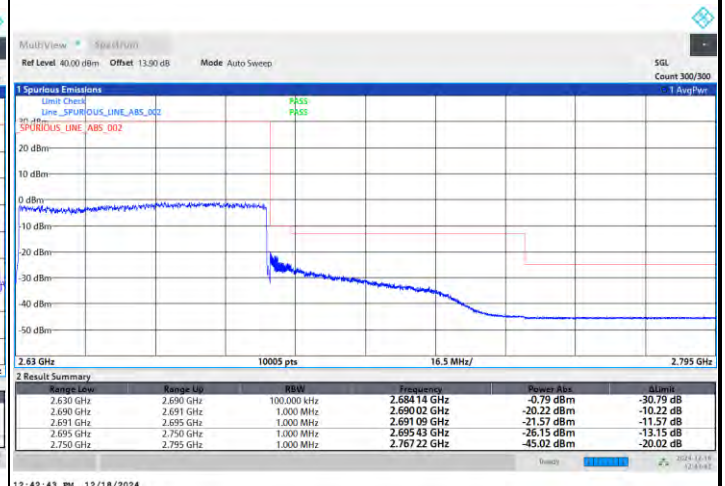
FR1 n41 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



11:46:02 PM 12/09/2024

Highest Band Edge / Full RB

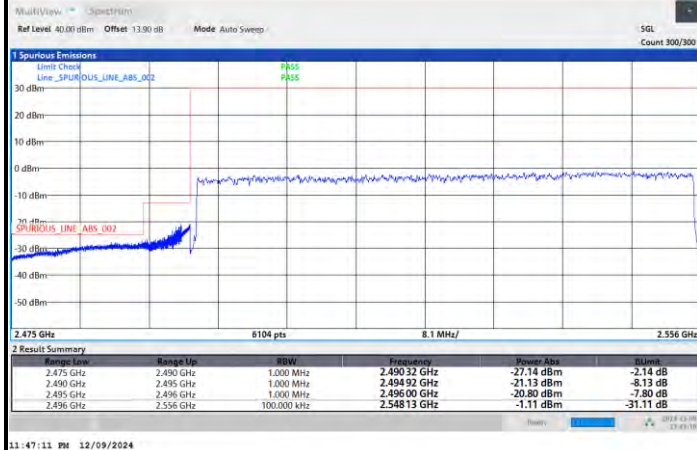


12:42:43 PM 12/18/2024



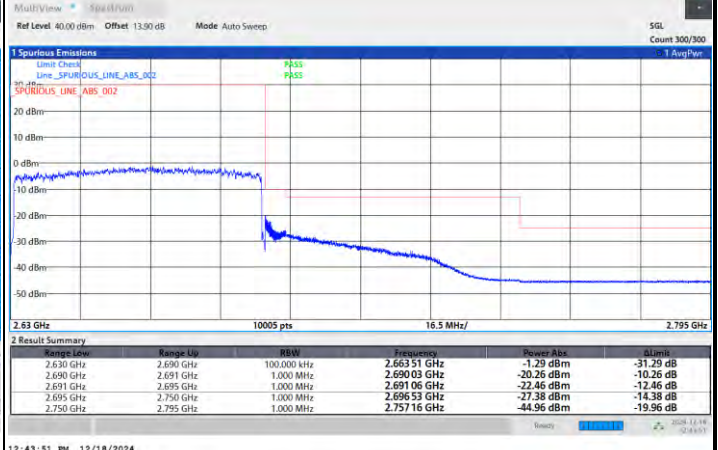
FR1 n41 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:47:11 PM 12/09/2024

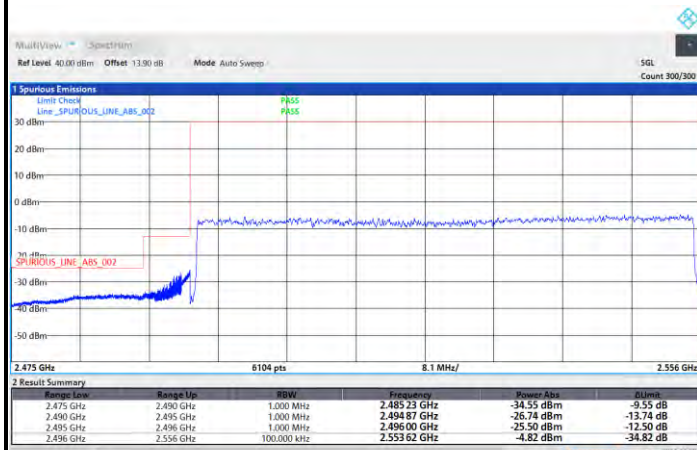
Highest Band Edge / Full RB



12:43:51 PM 12/18/2024

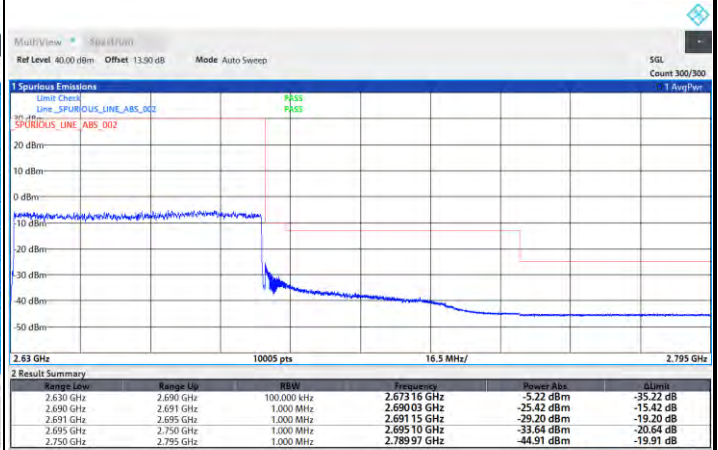
FR1 n41 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



11:48:21 PM 12/09/2024

Highest Band Edge / Full RB

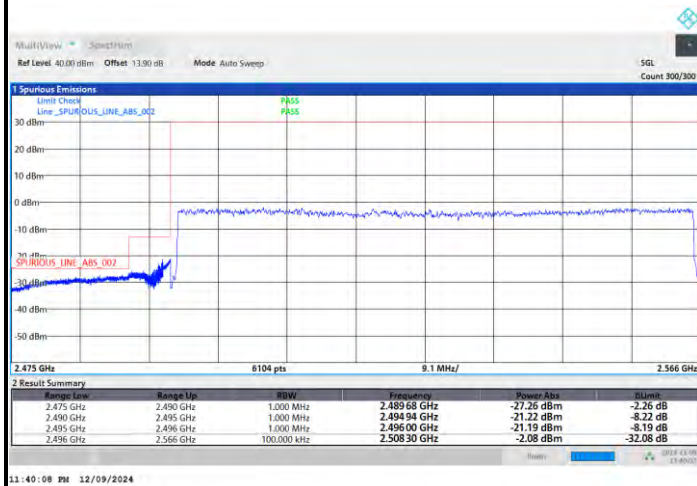


12:45:02 PM 12/18/2024

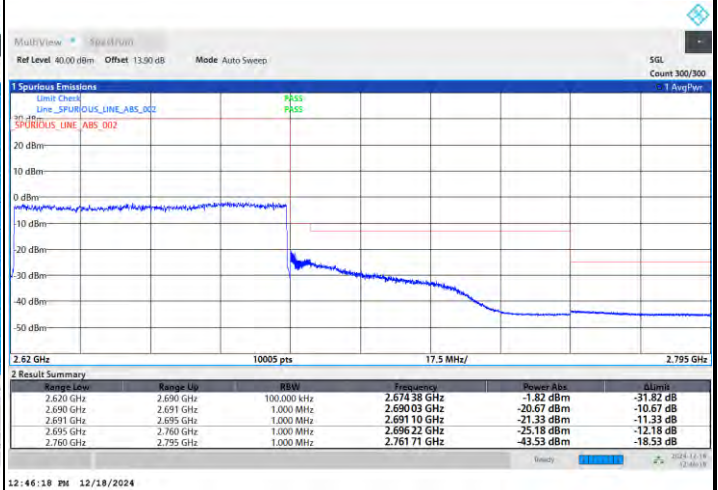


FR1 n41 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

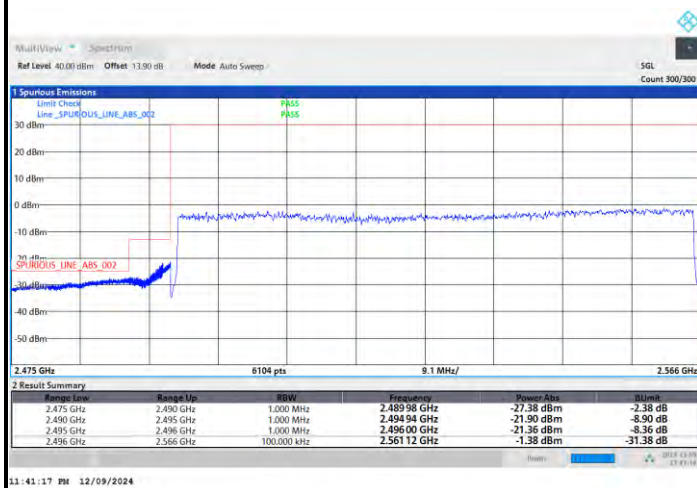


Highest Band Edge / Full RB

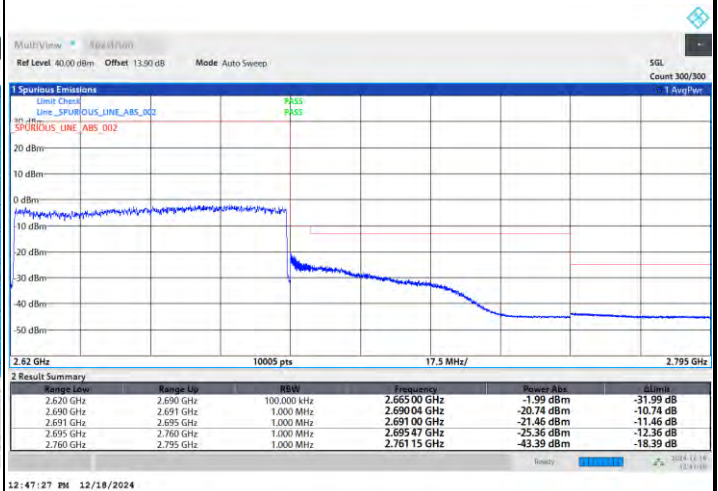


FR1 n41 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



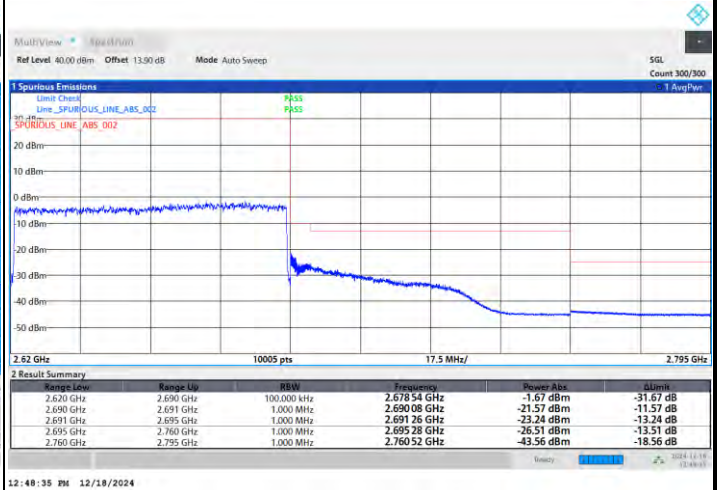


FR1 n41 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

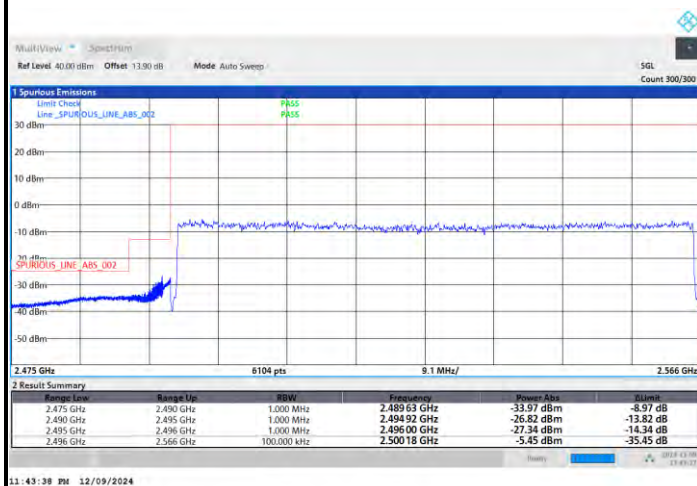


Highest Band Edge / Full RB

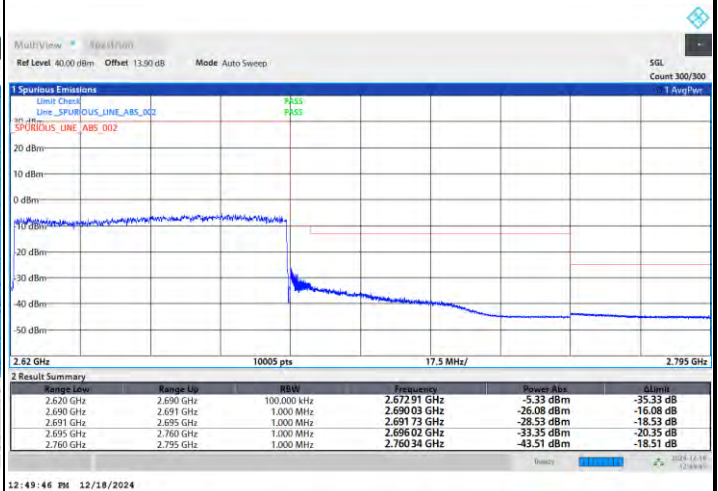


FR1 n41 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

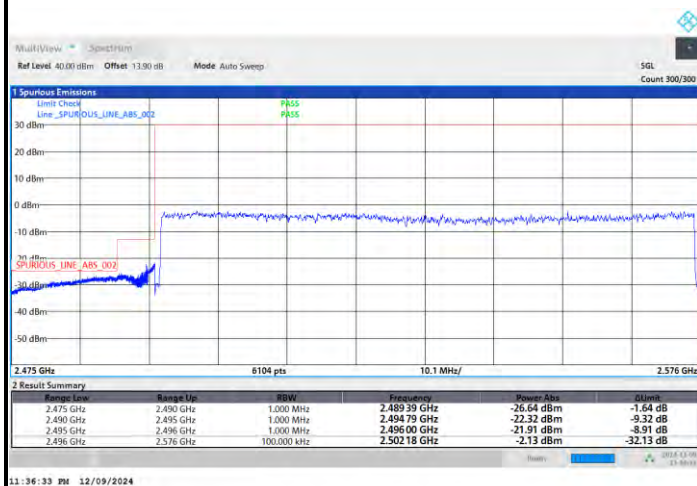


Highest Band Edge / Full RB



FR1 n41 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n41 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



11:37:43 PM 12/09/2024

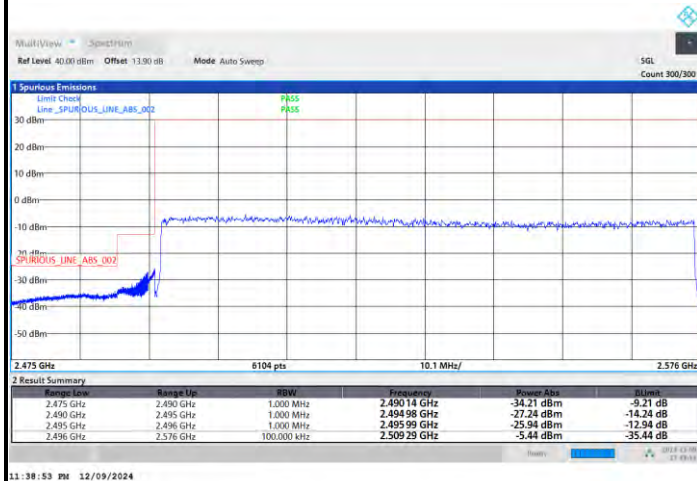
Highest Band Edge / Full RB



12:53:20 PM 12/18/2024

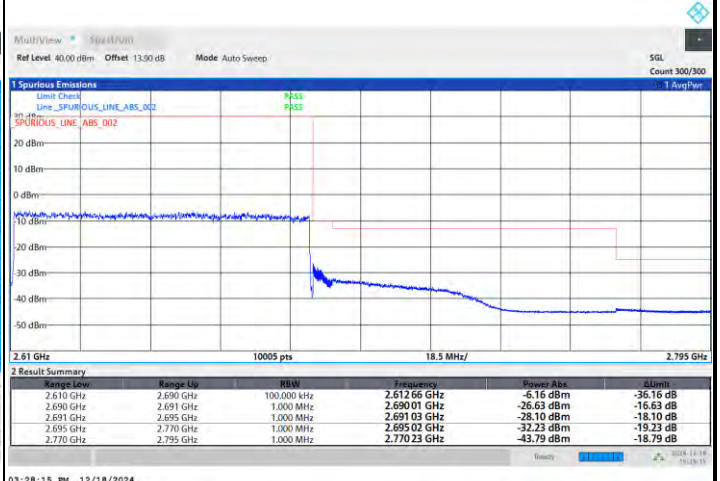
FR1 n41 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



11:38:53 PM 12/09/2024

Highest Band Edge / Full RB



09:28:15 PM 12/18/2024

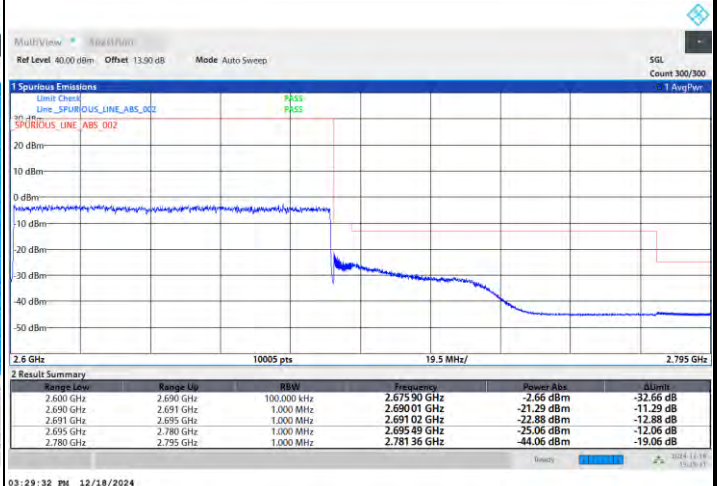


FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

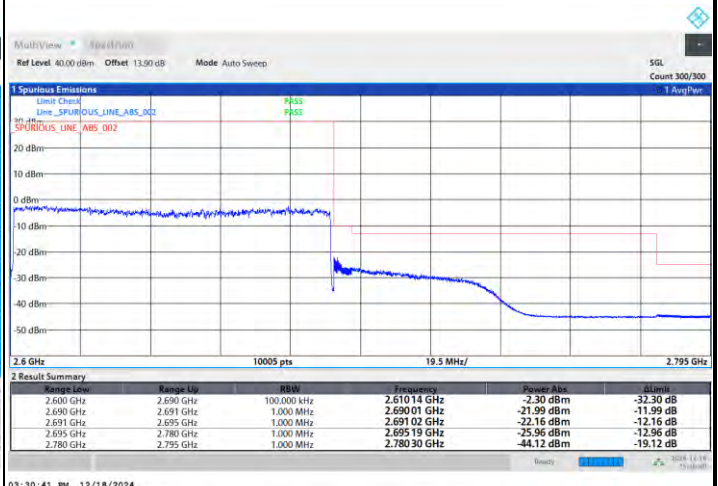


FR1 n41 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



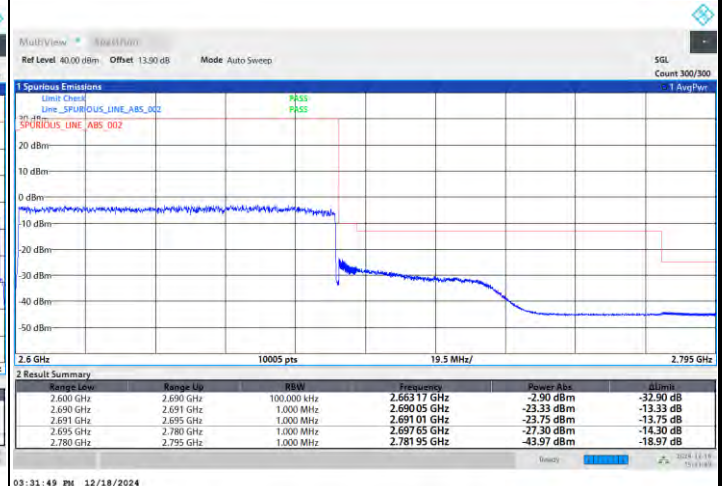


FR1 n41 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

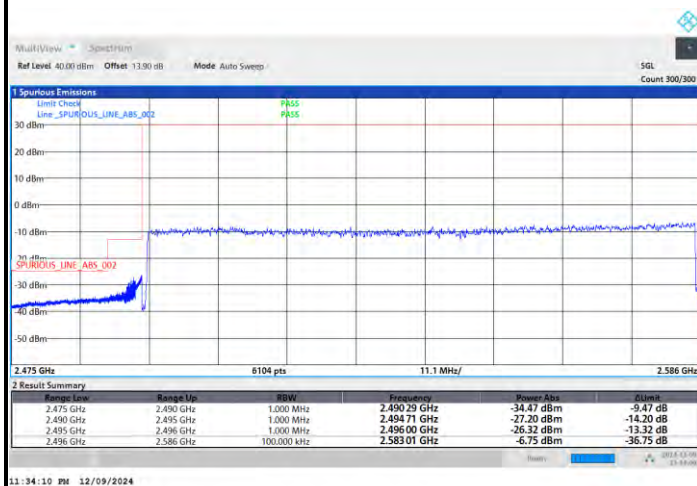


Highest Band Edge / Full RB

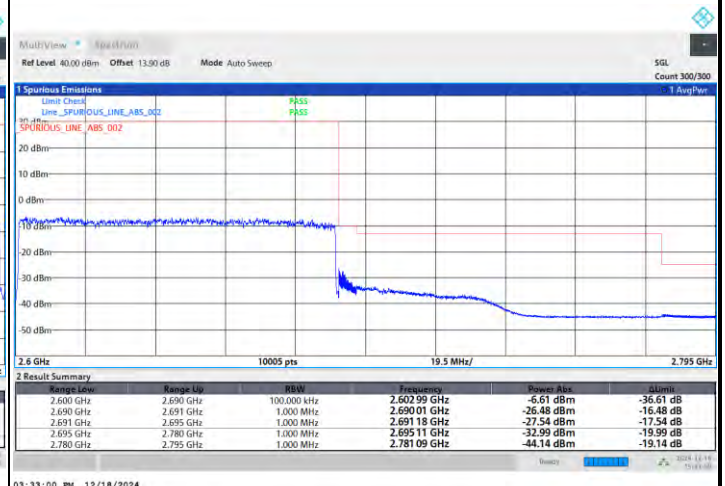


FR1 n41 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



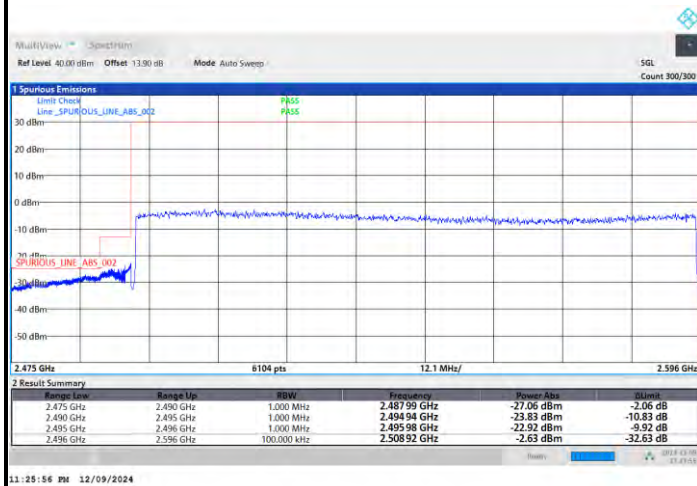
Highest Band Edge / Full RB





FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

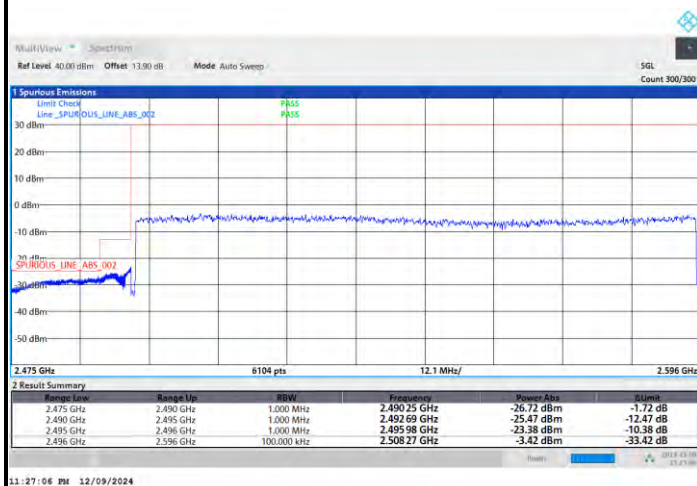


Highest Band Edge / Full RB

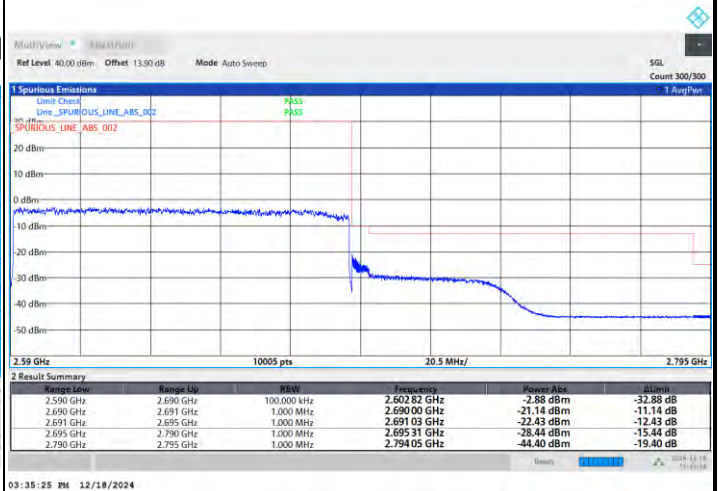


FR1 n41 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

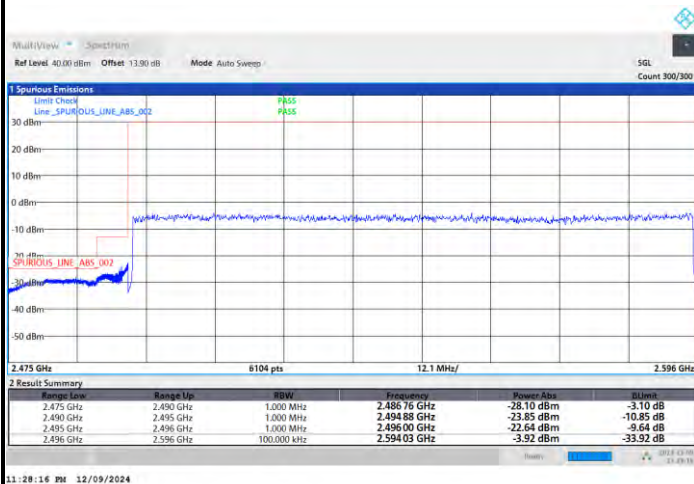




Report No. : FG4N0919C

FR1 n41 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

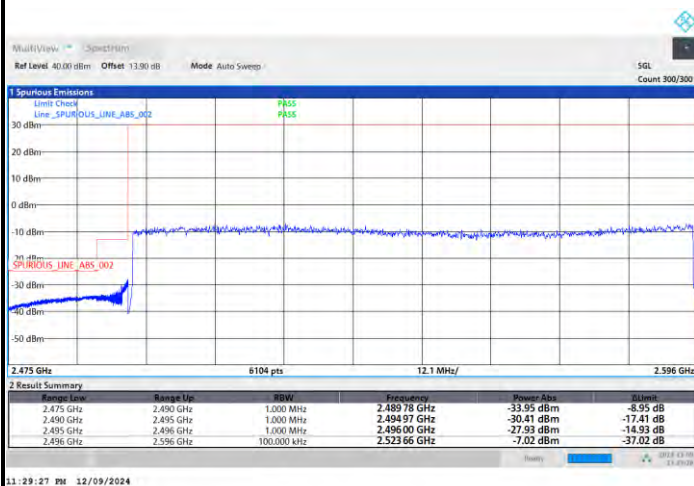


Highest Band Edge / Full RB

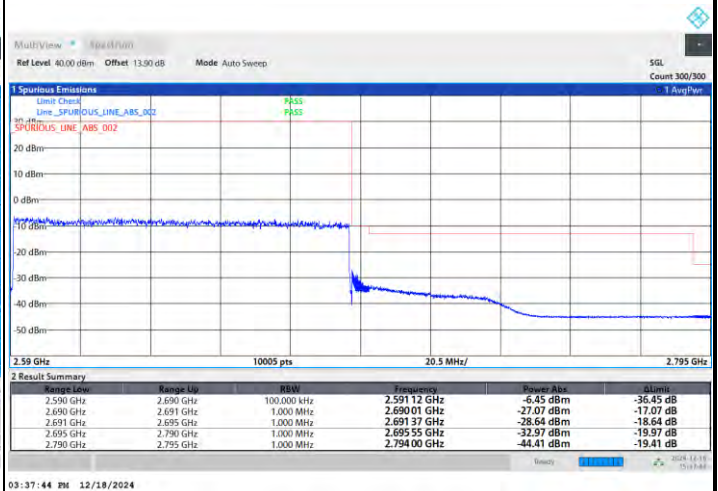


FR1 n41 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

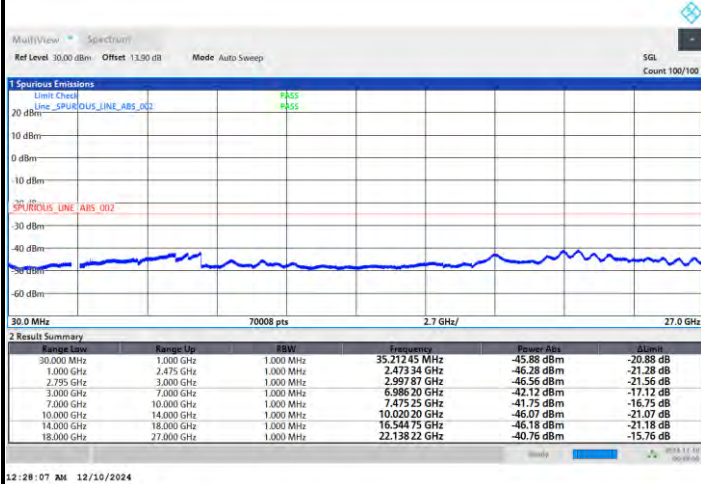




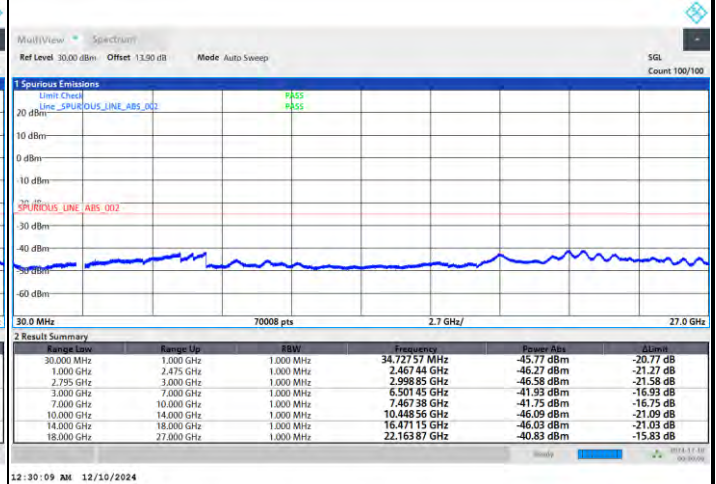
Conducted Spurious Emission

FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

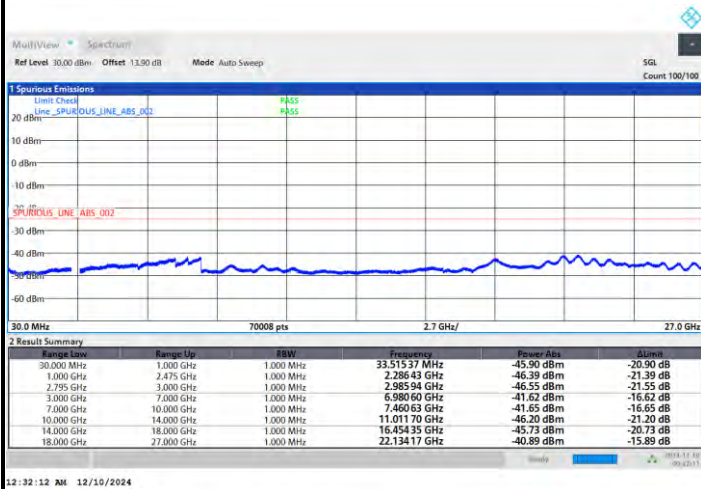
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0024	
20	Minimum Voltage	0.0010	

Note:

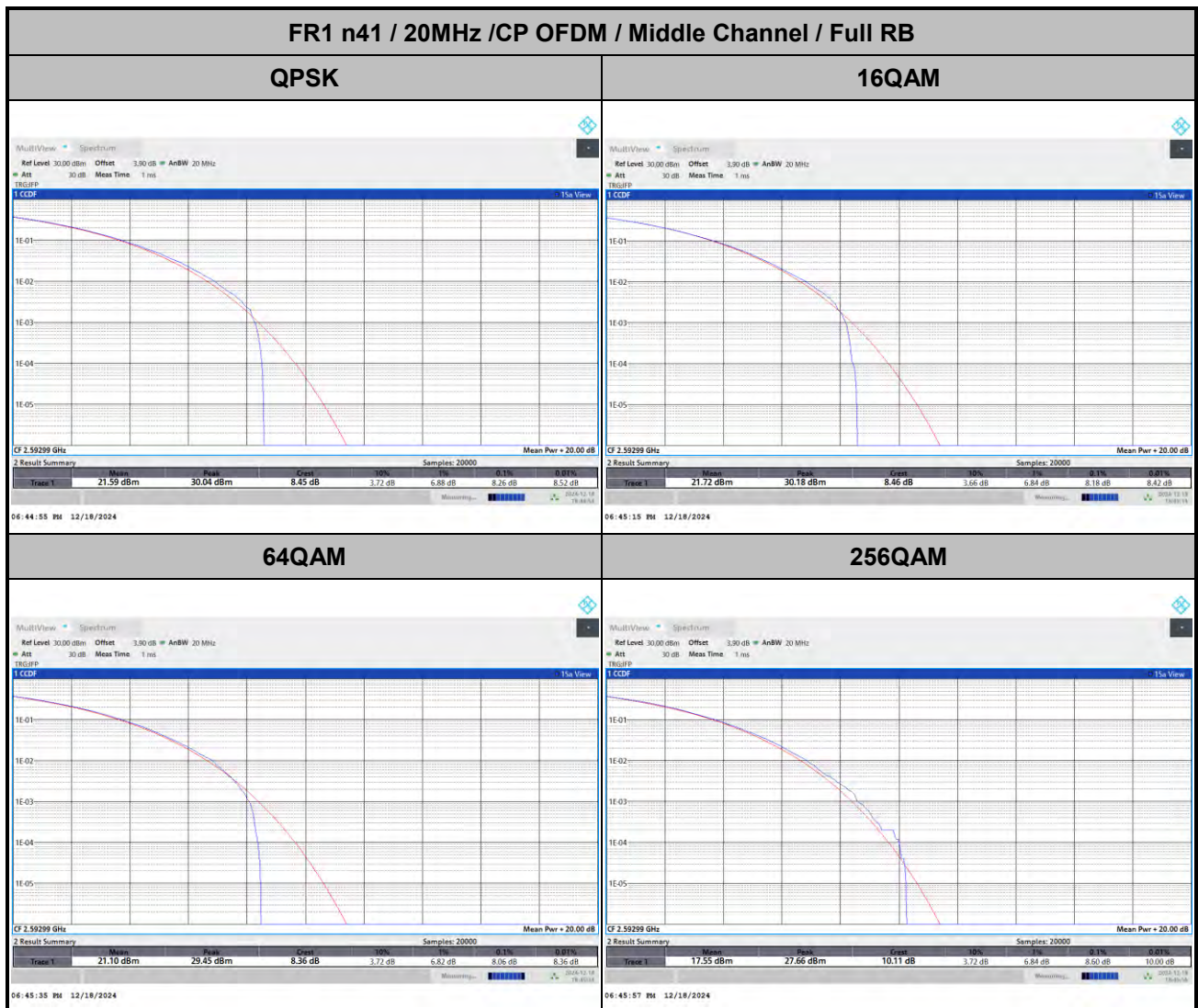
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



MIMO <Ant. 2+1> (Ant. 1)

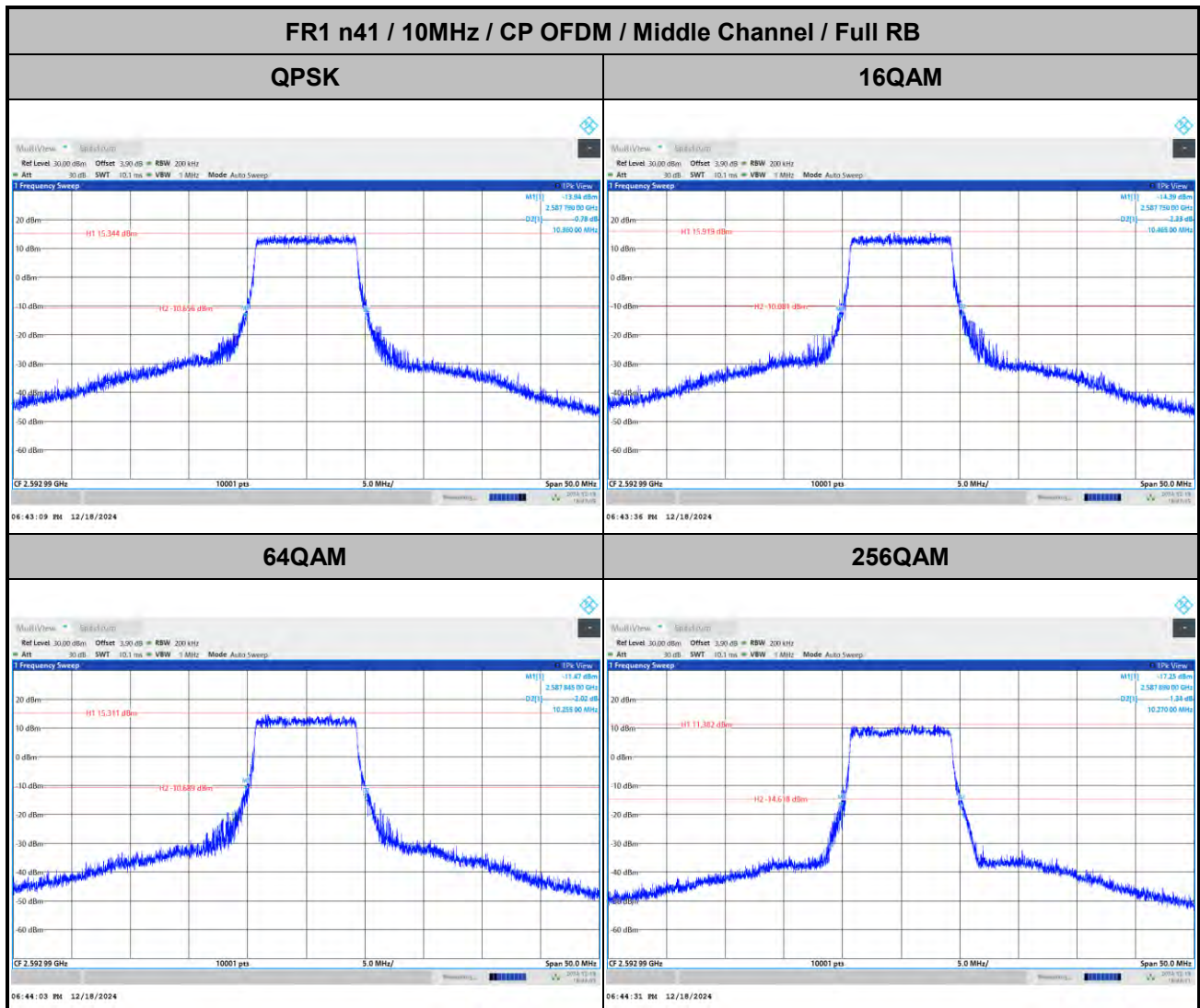
Peak-to-Average Ratio

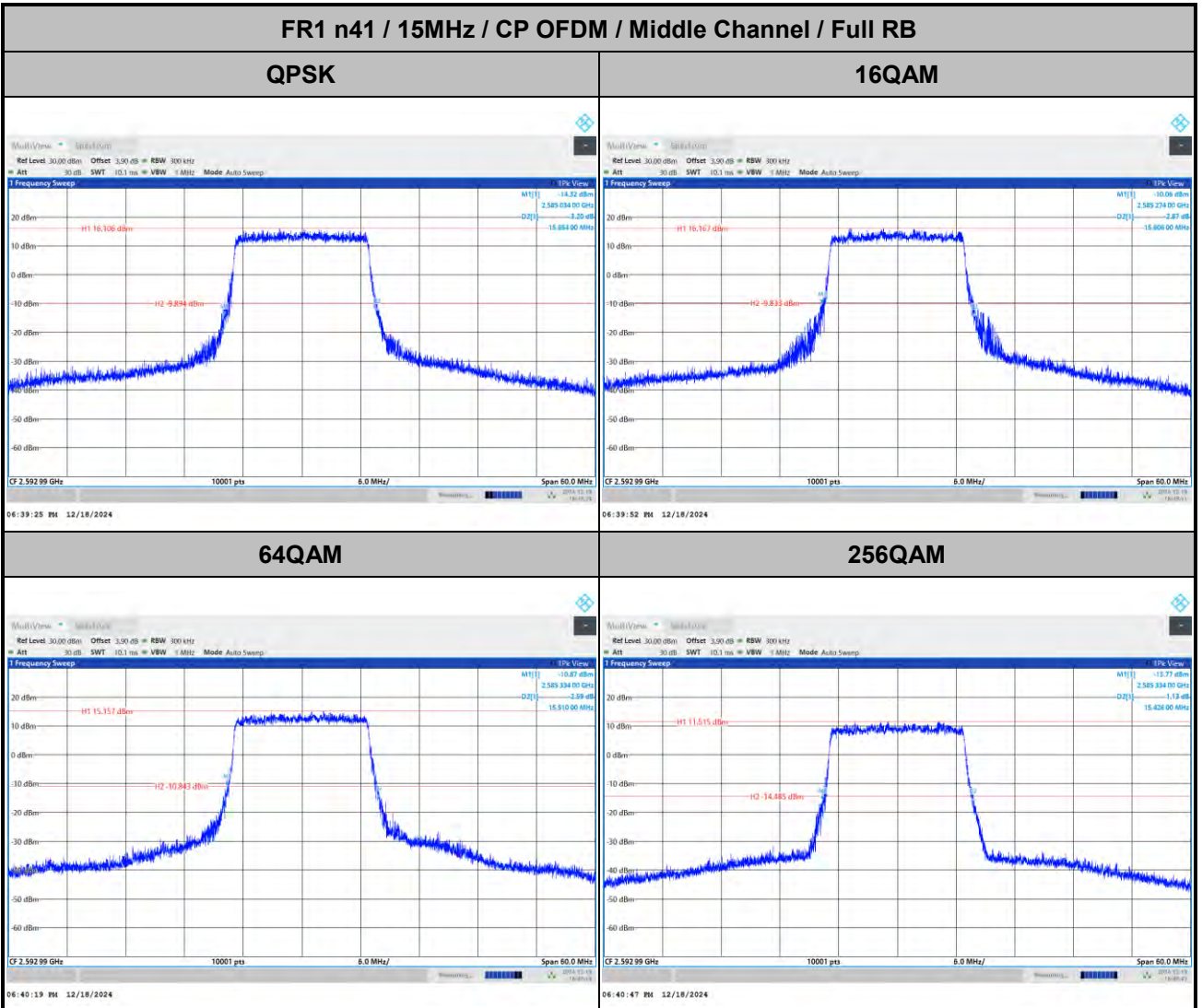
Mode	FR1 n41 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.26	8.18	8.06	8.60	PASS

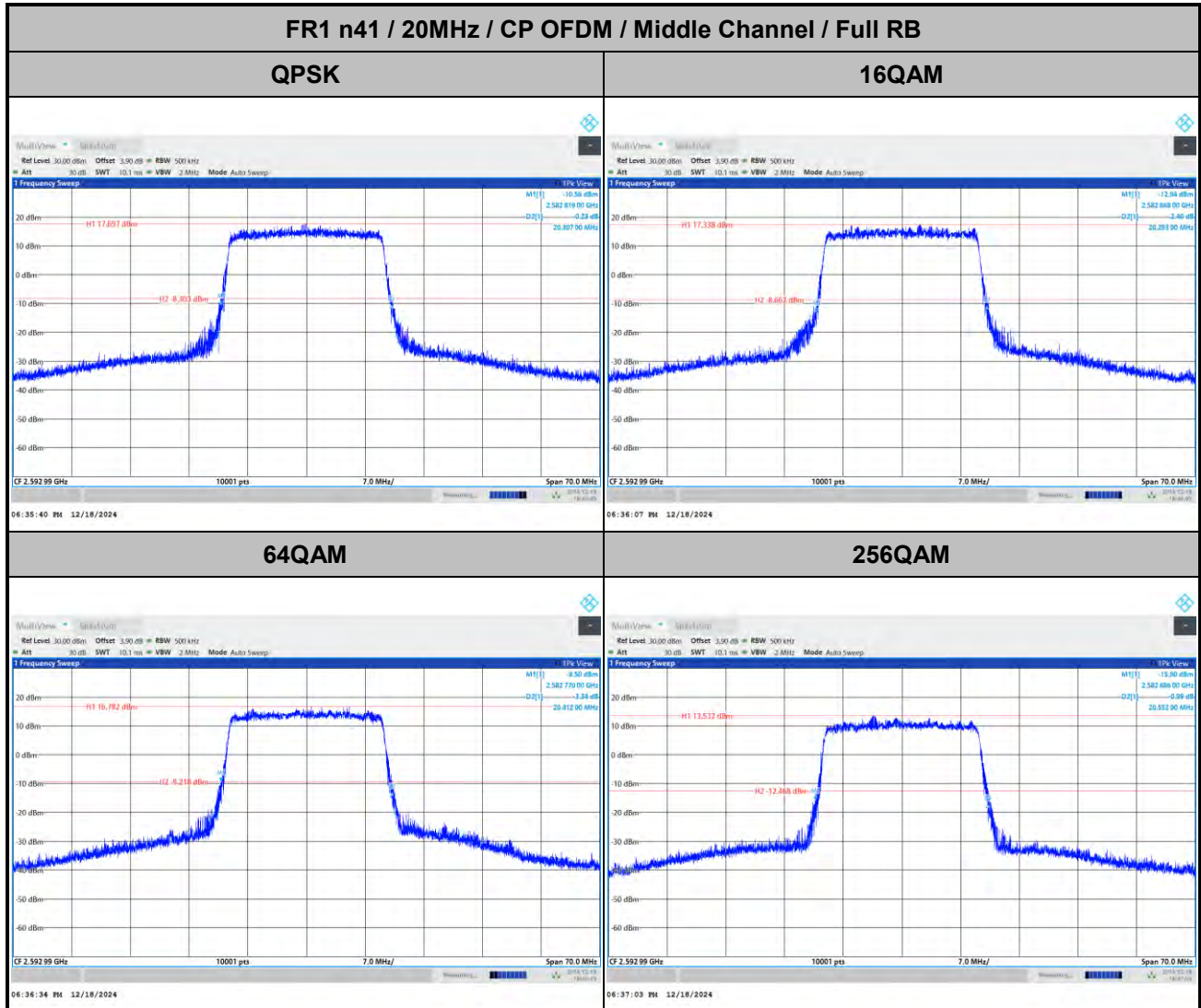


**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.36	10.46	15.65	15.60	20.30	20.29	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.25	10.27	15.51	15.42	20.41	20.55	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.42	31.17	42.68	42.28	52.39	52.22	67.17	67.24
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.05	30.82	42.69	42.35	52.39	52.55	68.88	67.74
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.94	77.09	85.04	84.01	96.30	97.10	106.72	105.86
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.23	77.24	83.67	84.62	97.08	98.25	106.58	105.66



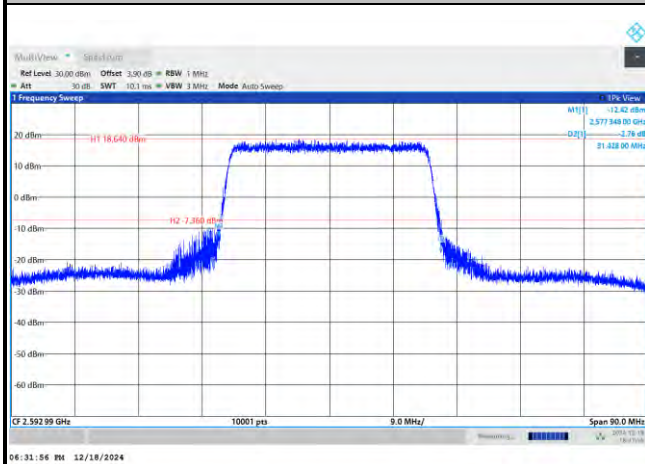




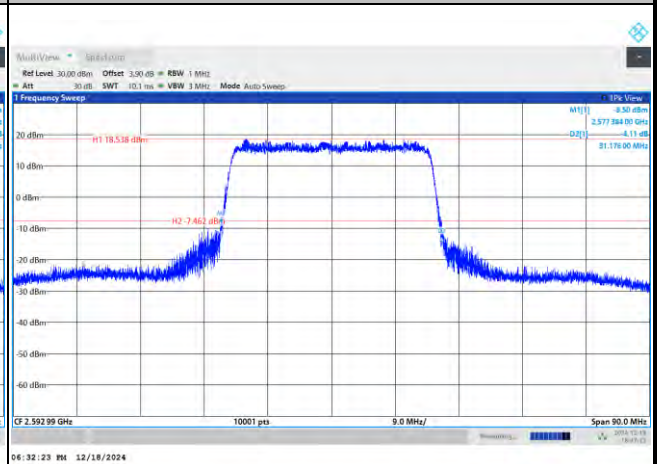


FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

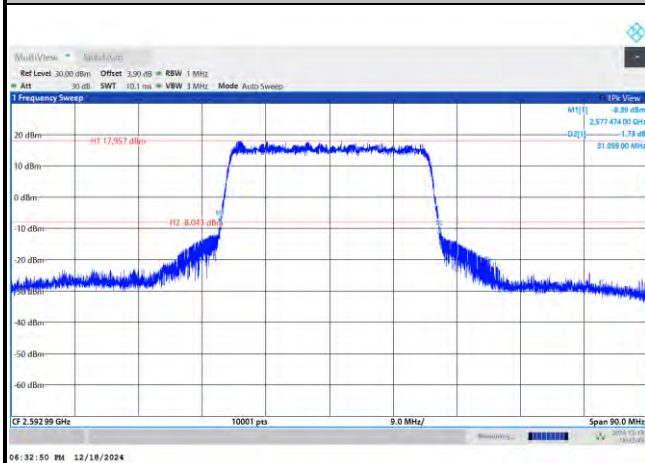
QPSK



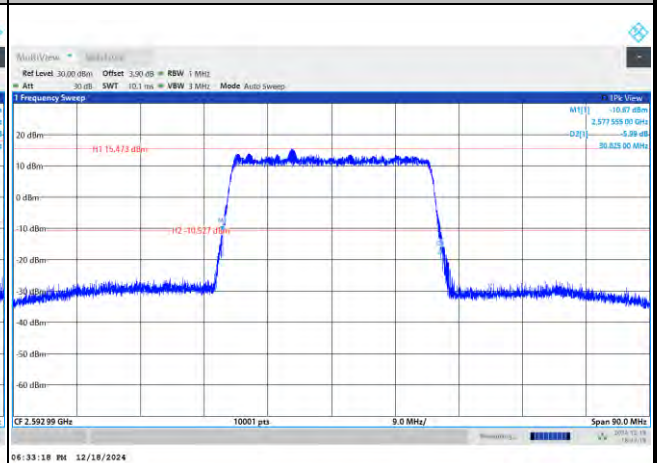
16QAM

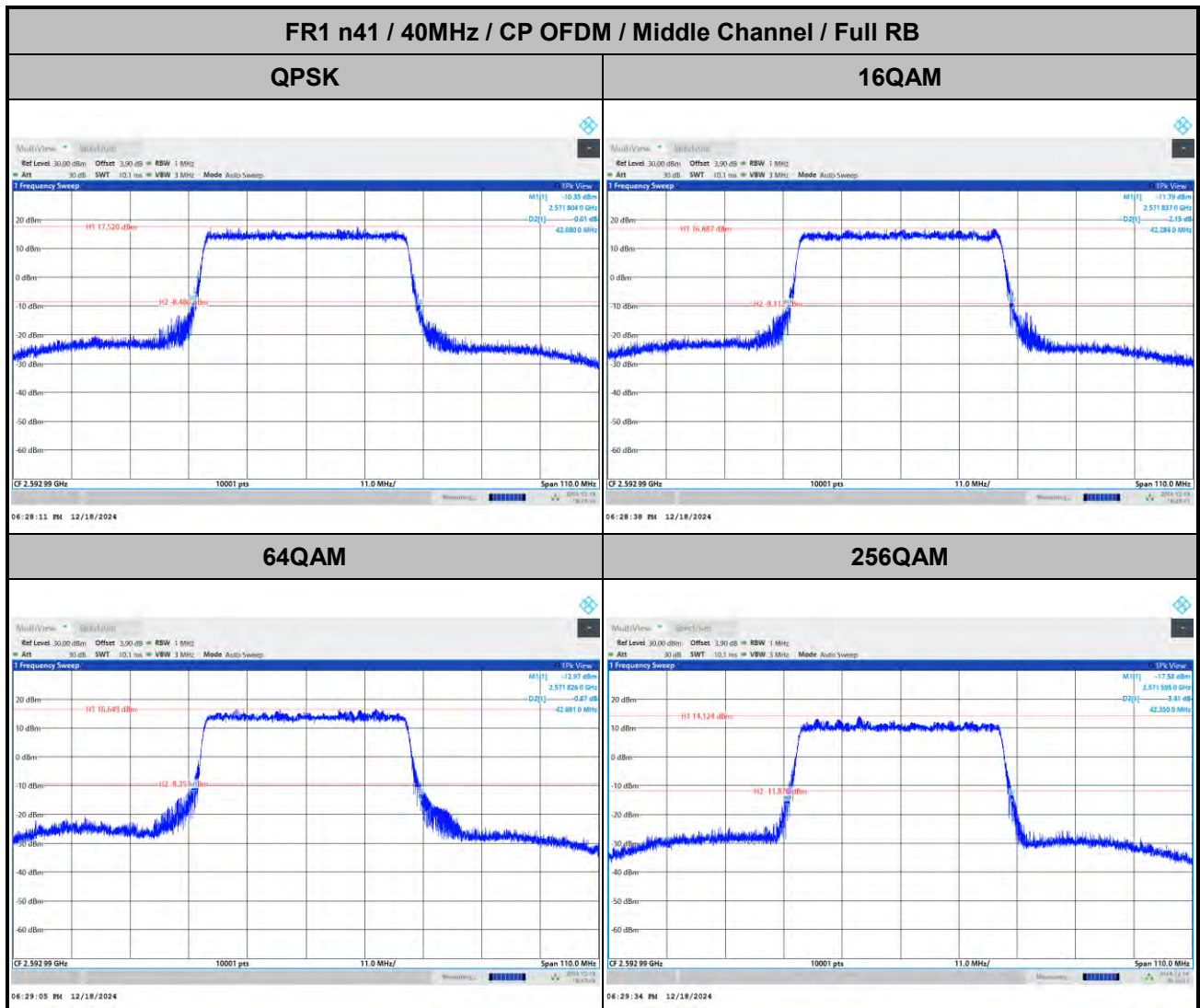


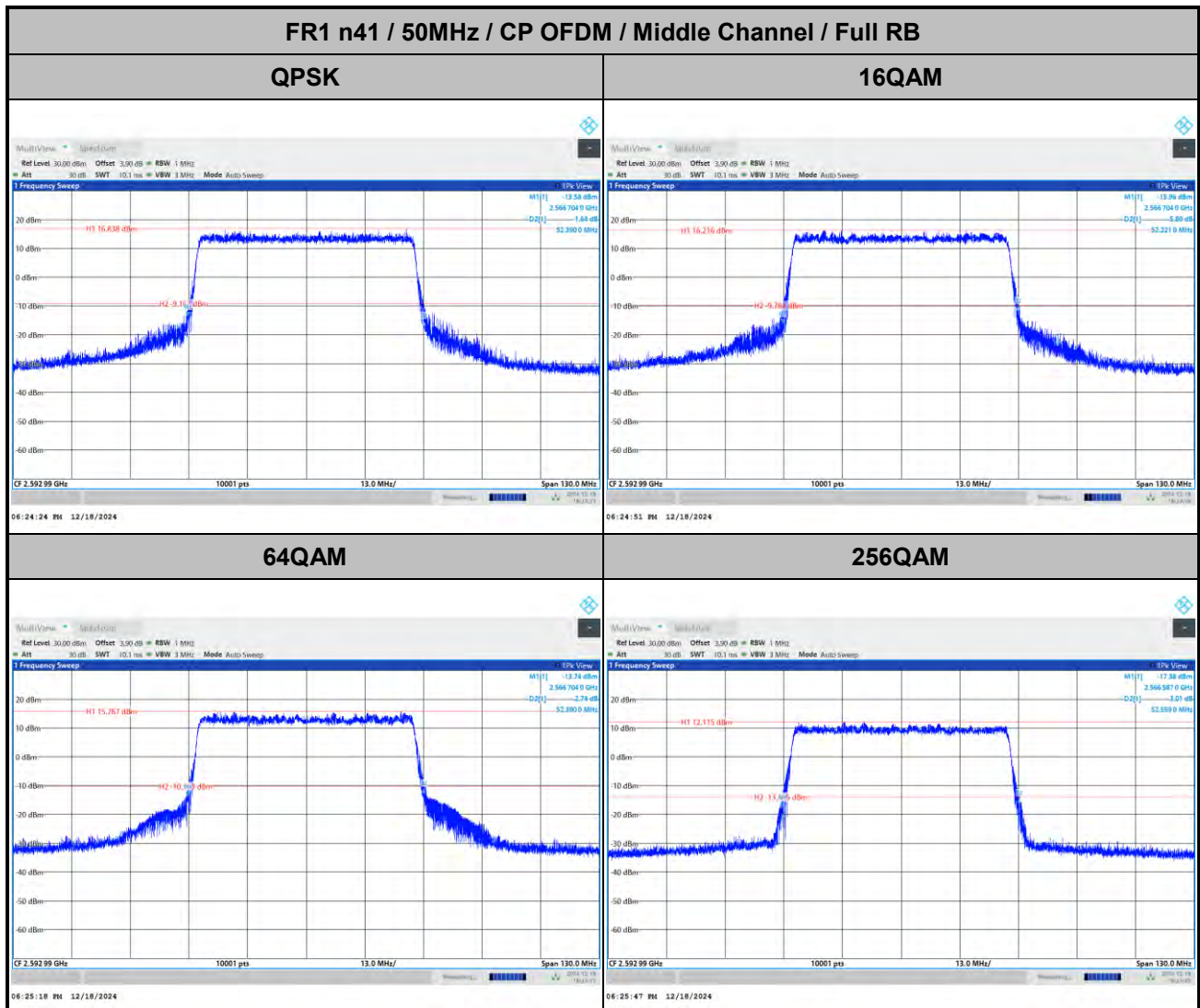
64QAM

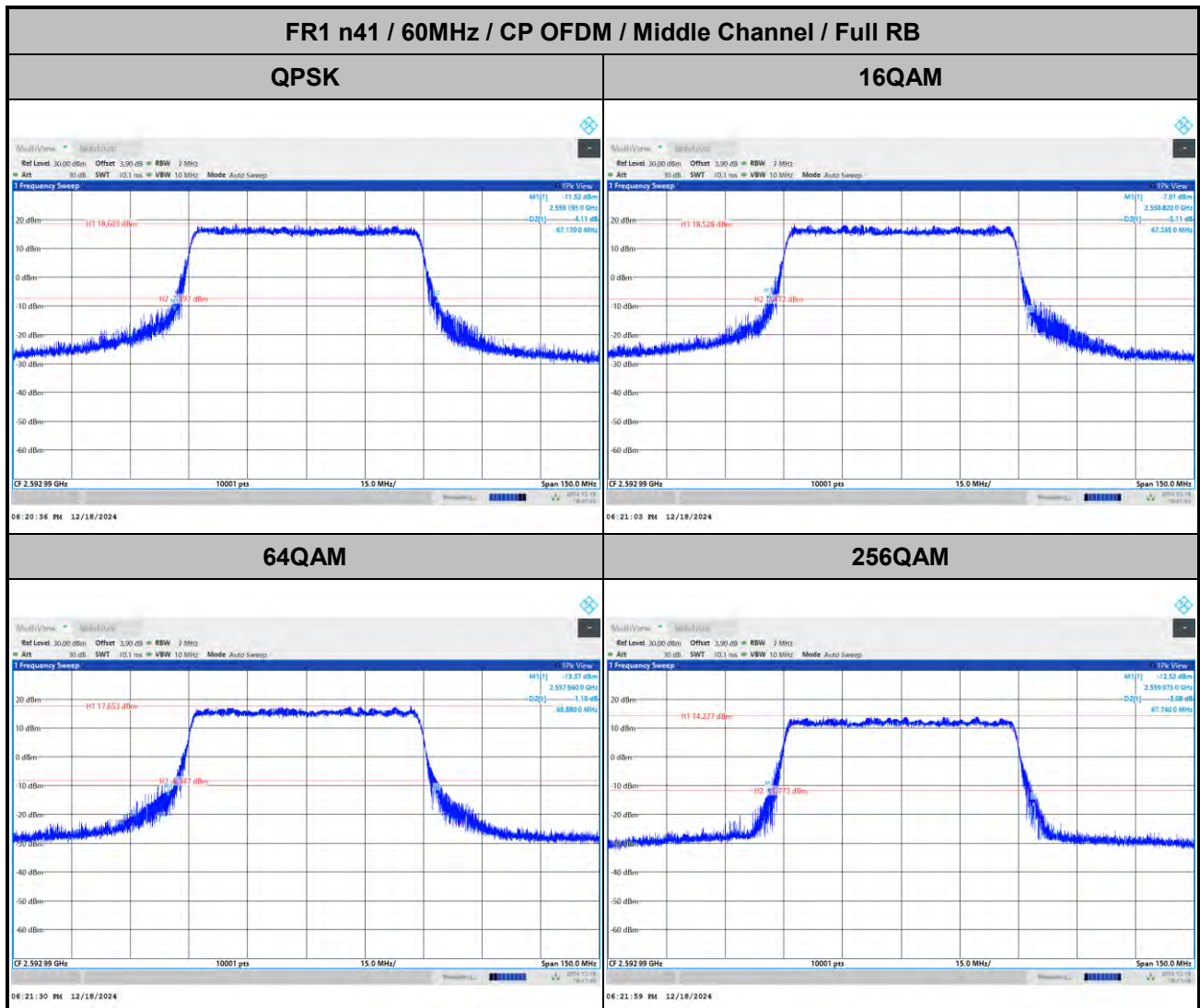


256QAM





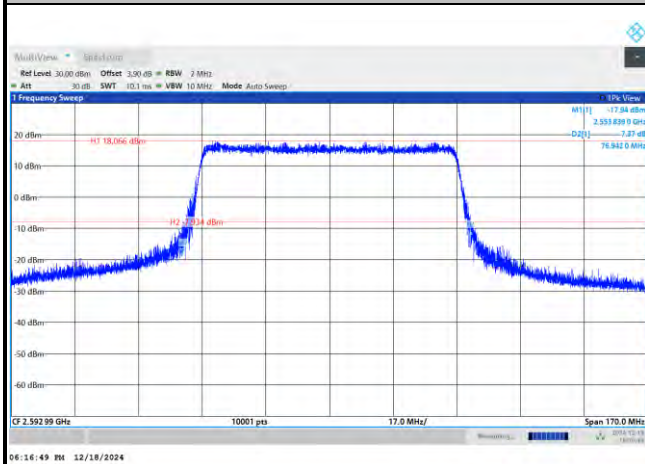




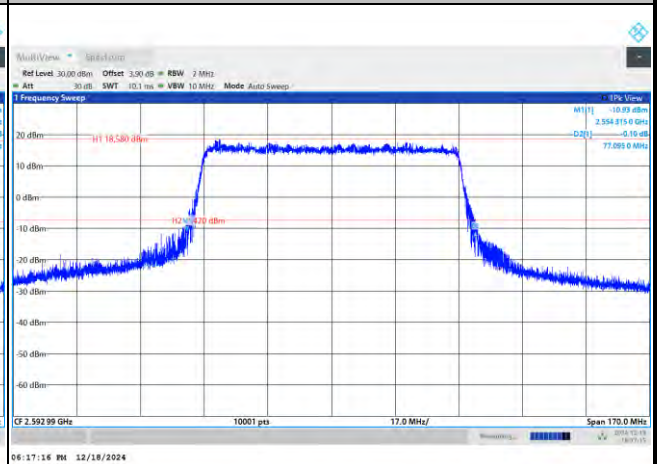


FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

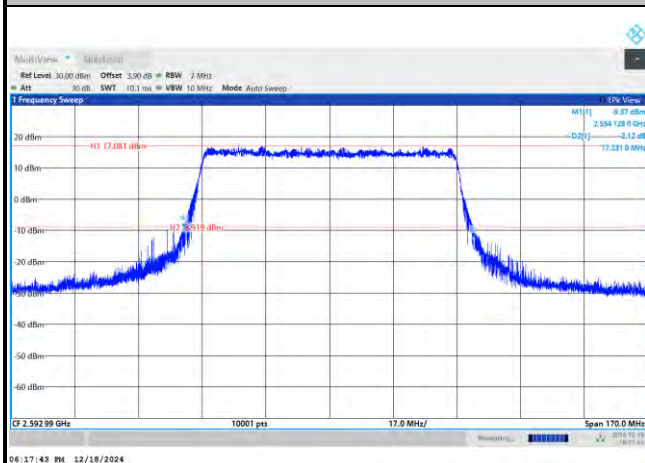
QPSK



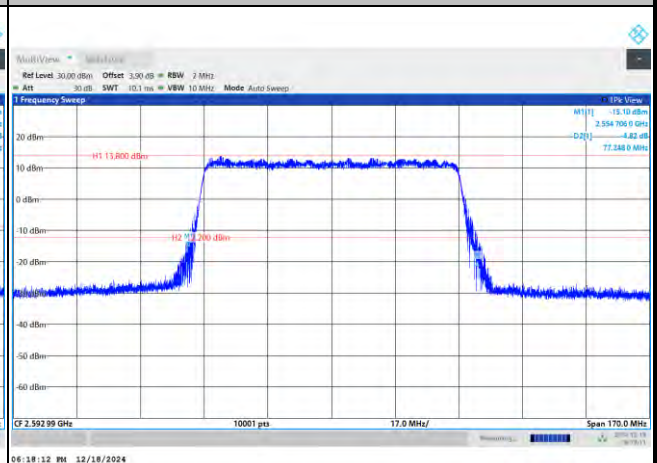
16QAM

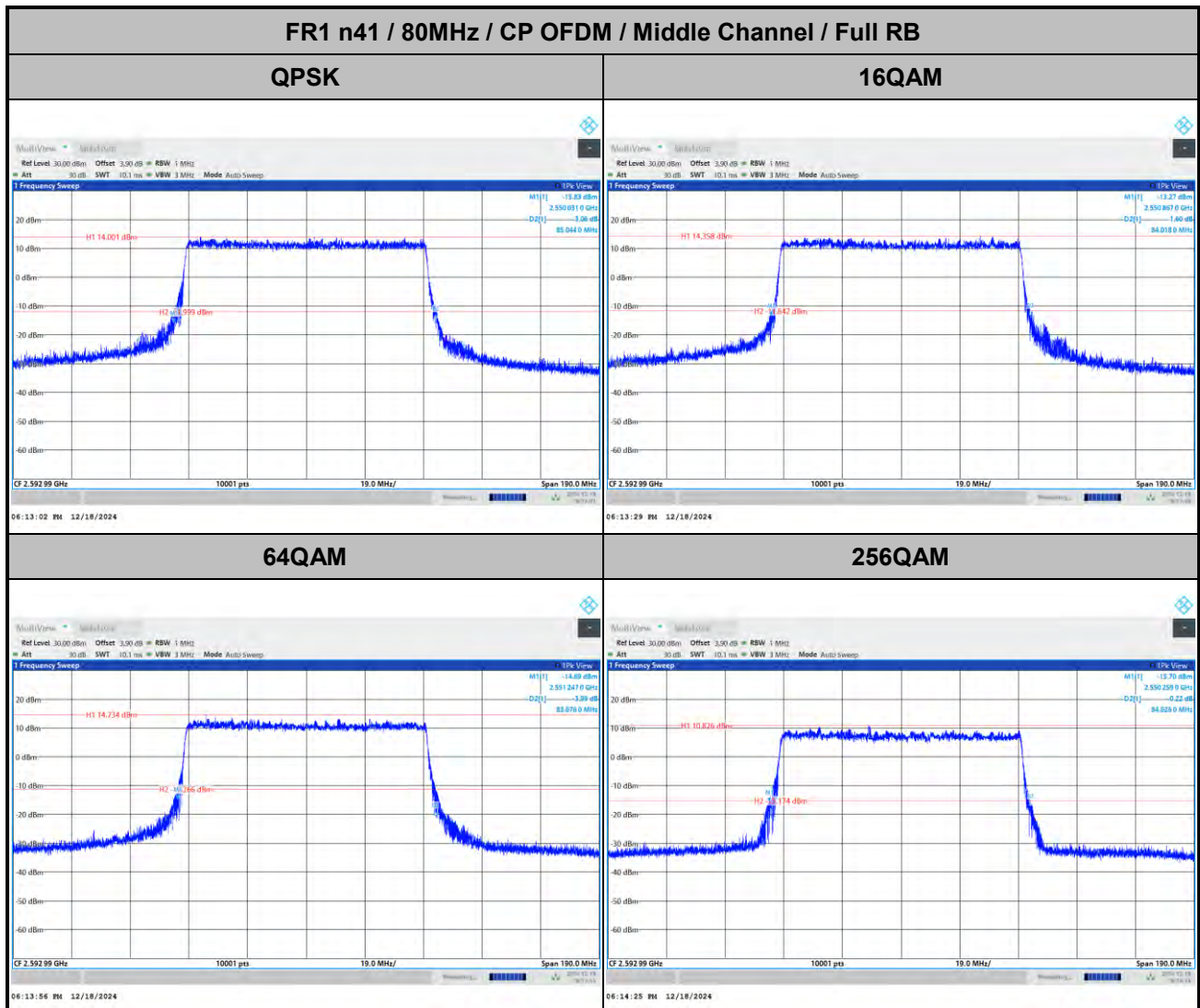


64QAM



256QAM

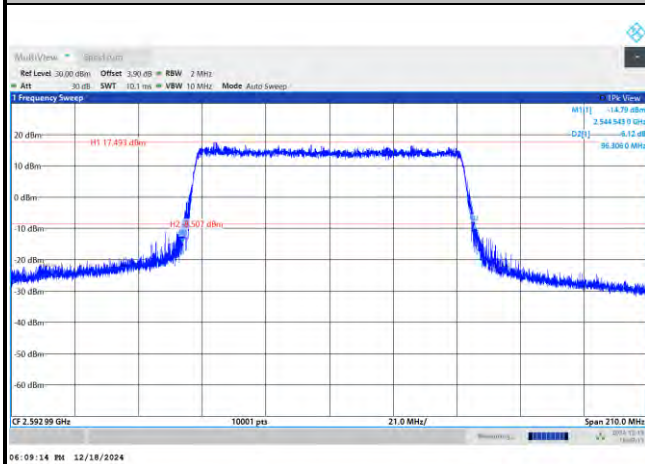




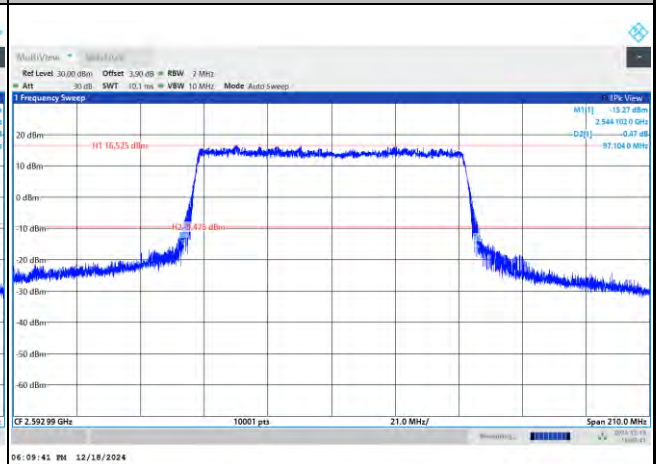


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

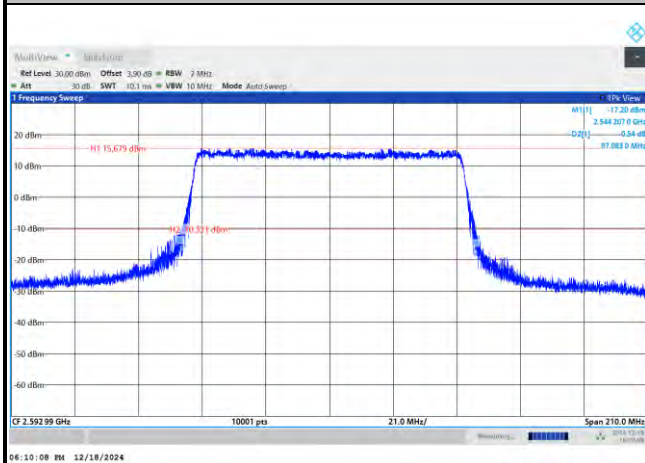
QPSK



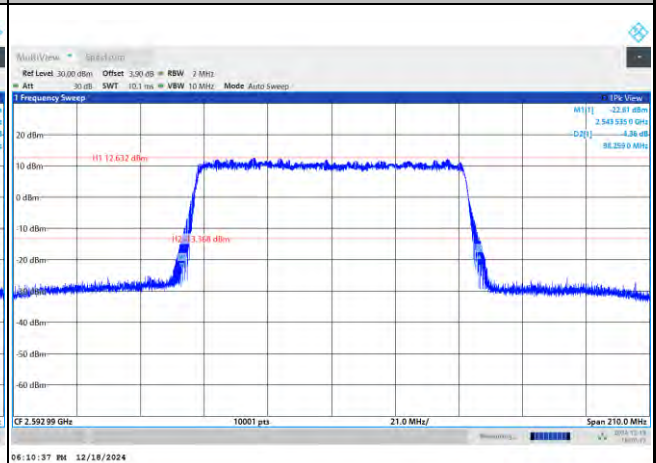
16QAM

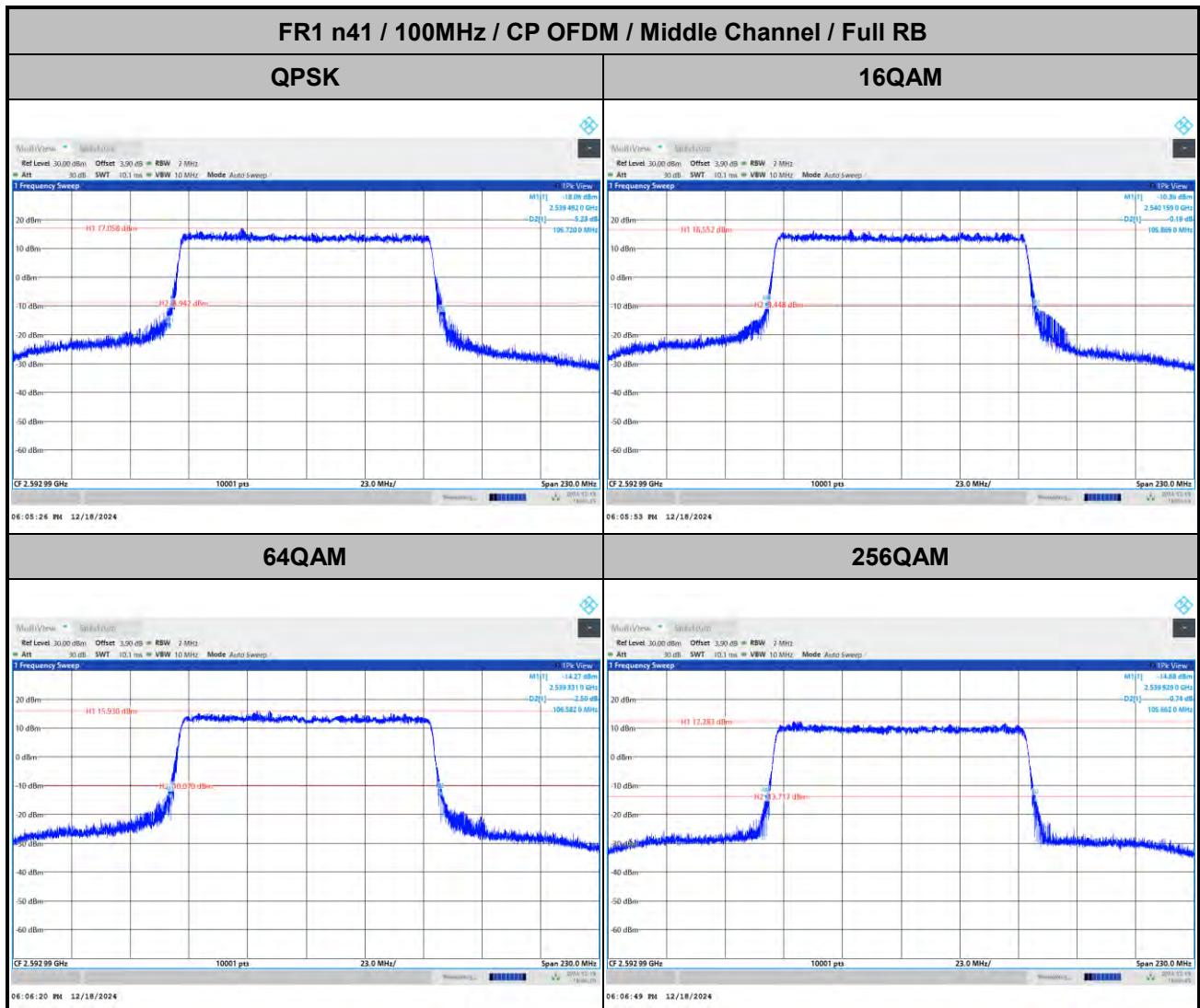


64QAM



256QAM





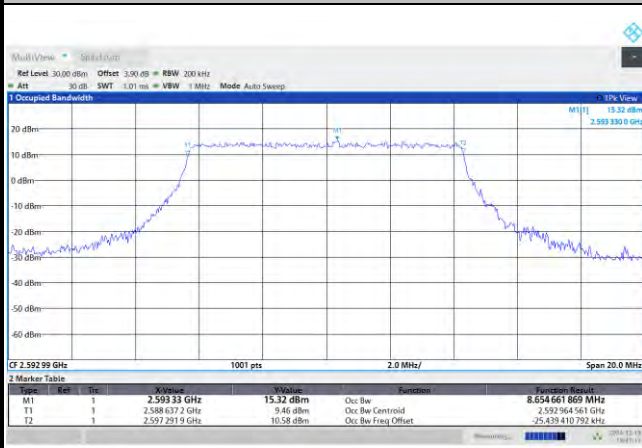
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.65	8.68	13.65	13.64	18.28	18.28	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.67	8.65	13.65	13.64	18.31	18.37	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.19	28.11	38.13	38.00	47.65	47.70	58.81	58.54
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.26	28.19	38.10	38.00	47.68	47.72	58.60	58.81
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.25	68.47	77.93	77.97	87.79	88.08	97.89	97.88
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.30	68.01	78.17	78.23	87.90	88.16	97.83	97.72



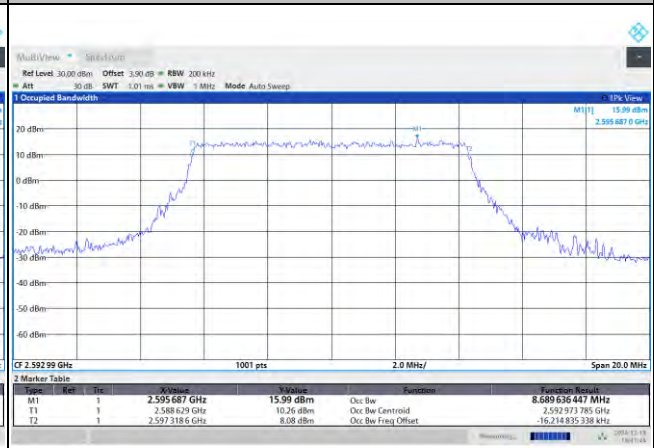
FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



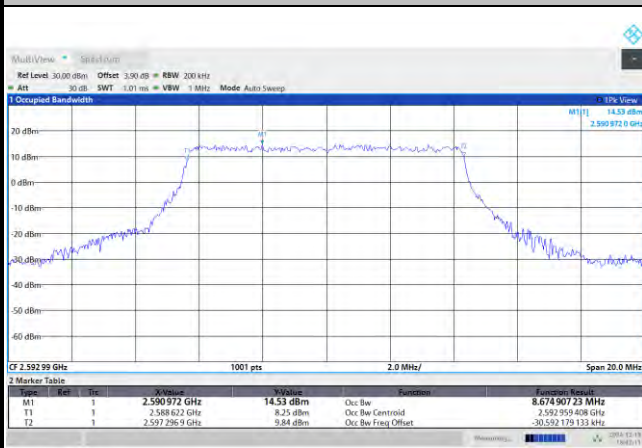
06:41:17 PM 12/18/2024

16QAM



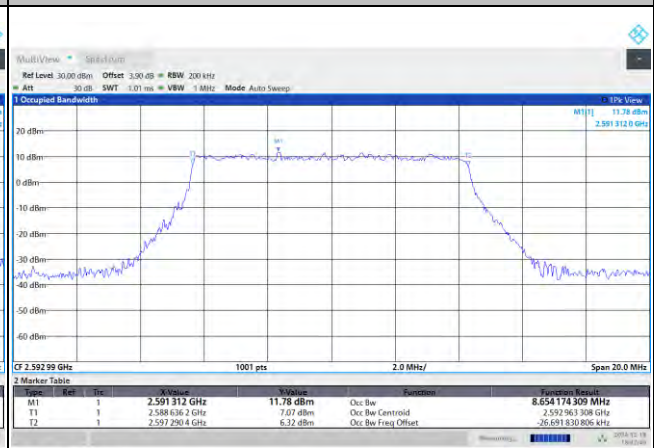
06:41:45 PM 12/18/2024

64QAM



06:42:12 PM 12/18/2024

256QAM

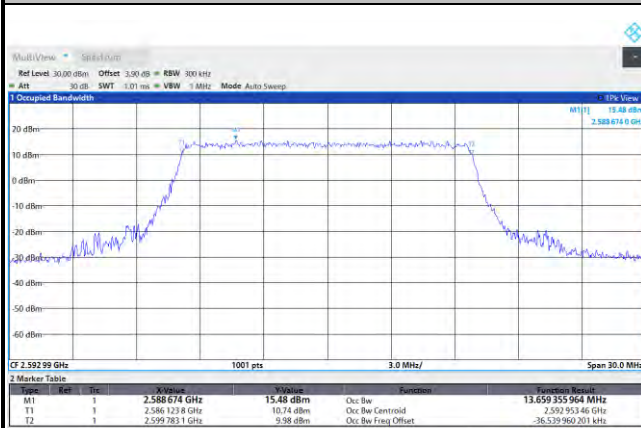


06:42:41 PM 12/18/2024



FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



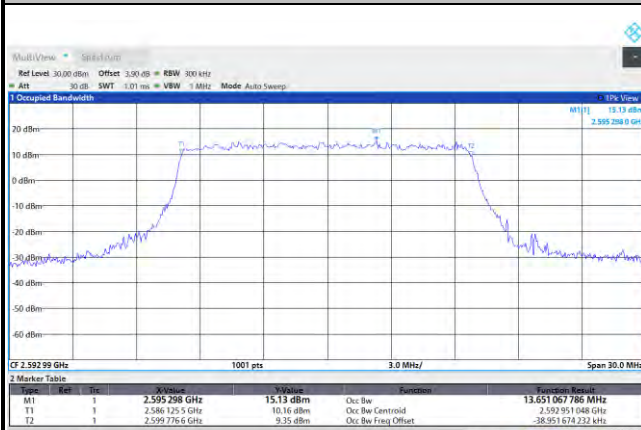
06:37:33 PM 12/18/2024

16QAM



06:38:00 PM 12/18/2024

64QAM



06:38:28 PM 12/18/2024

256QAM

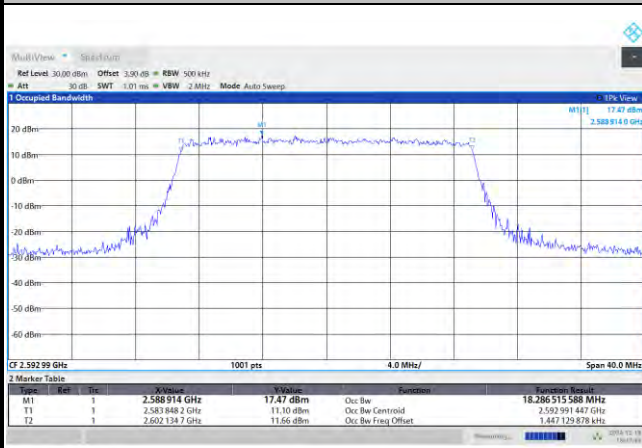


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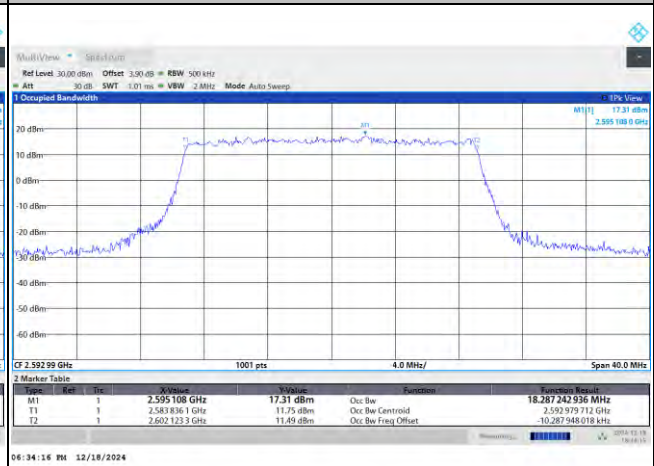


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

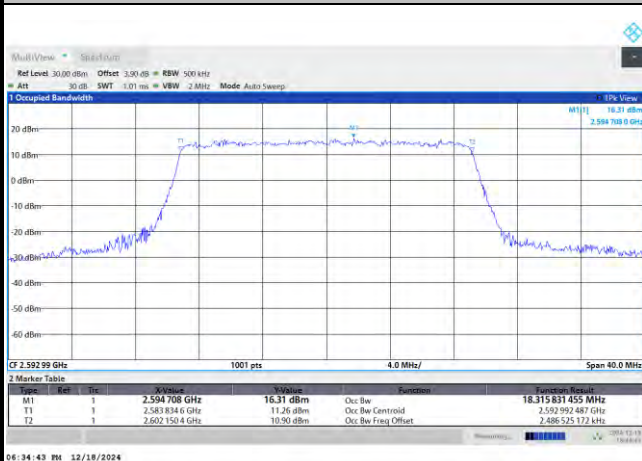
QPSK



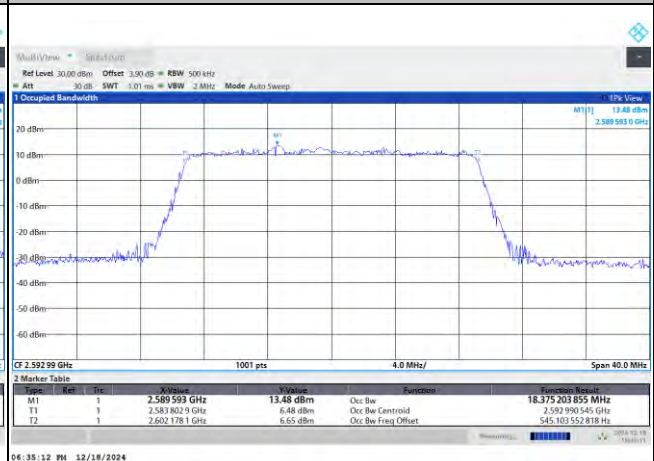
16QAM



64QAM



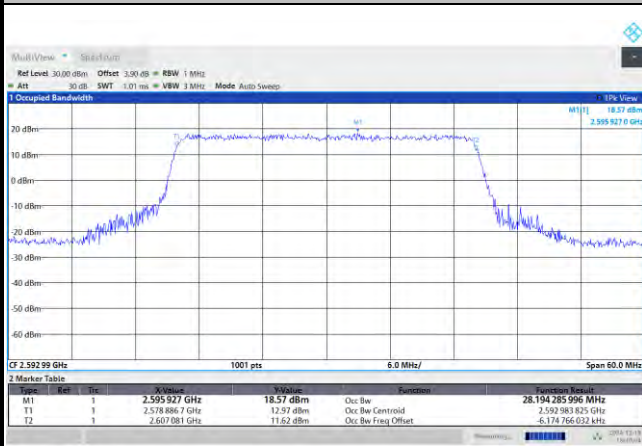
256QAM





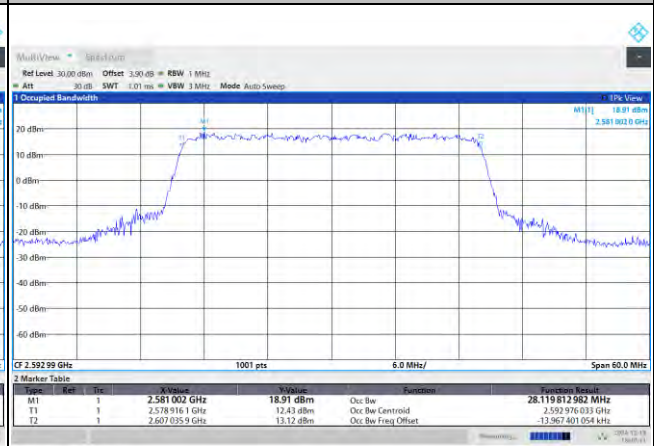
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



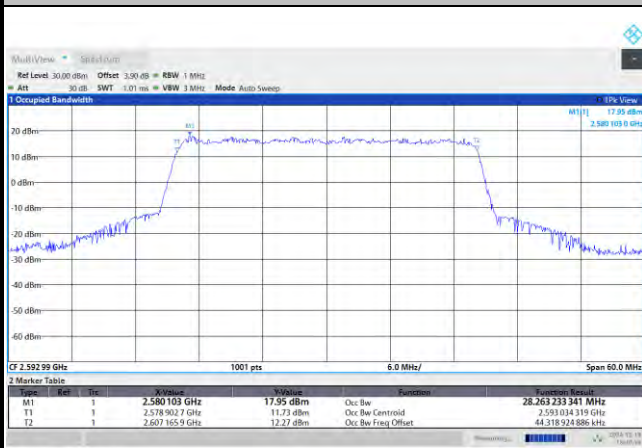
06:30:05 PM 12/18/2024

16QAM



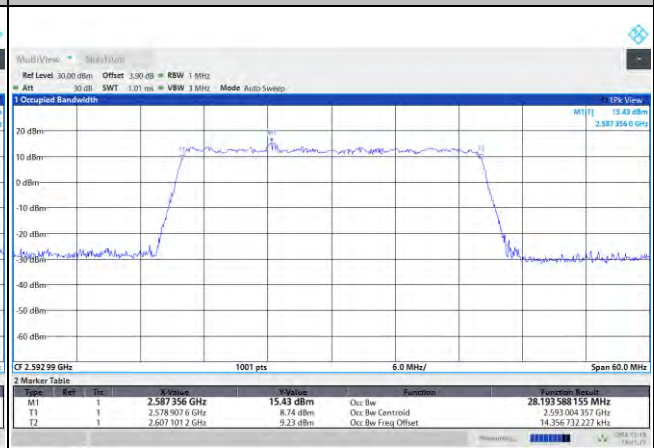
06:30:32 PM 12/18/2024

64QAM



06:30:59 PM 12/18/2024

256QAM

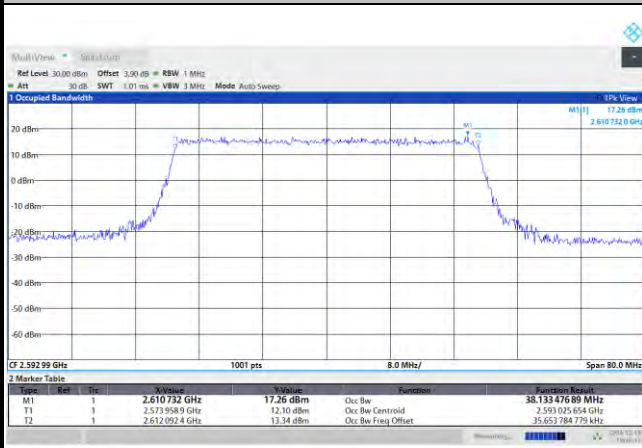


06:31:28 PM 12/18/2024



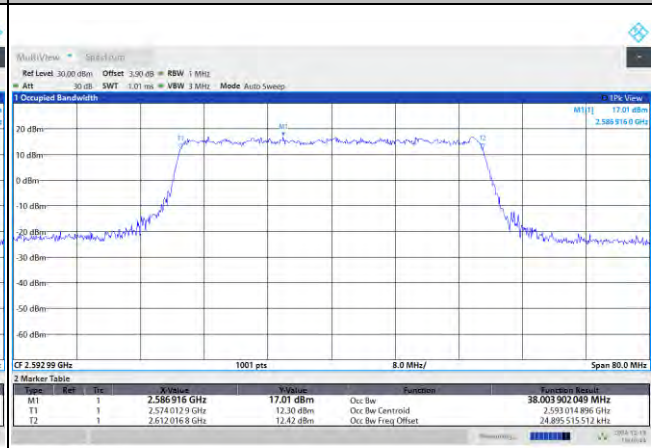
FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



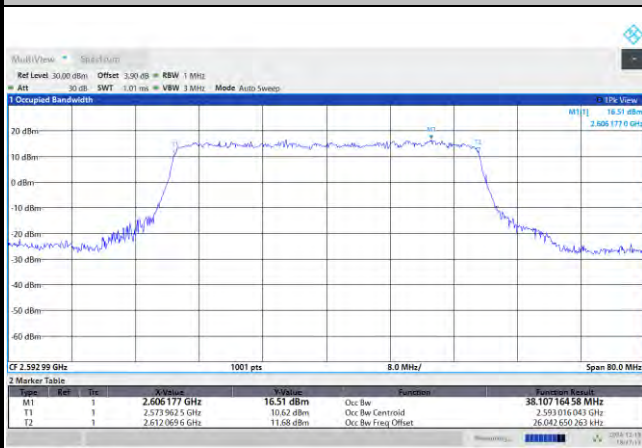
06:26:18 PM 12/18/2024

16QAM



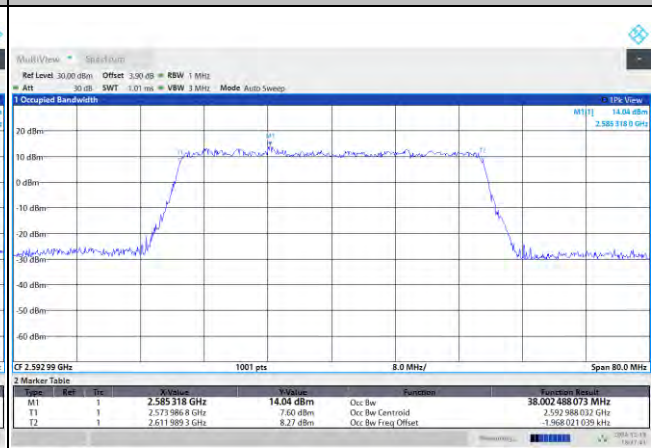
06:26:45 PM 12/18/2024

64QAM



06:27:13 PM 12/18/2024

256QAM

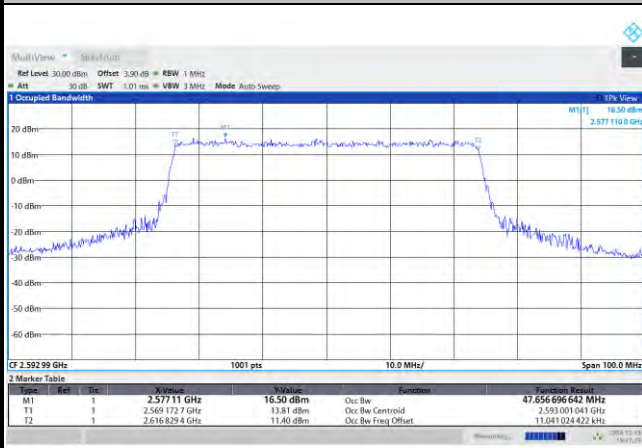


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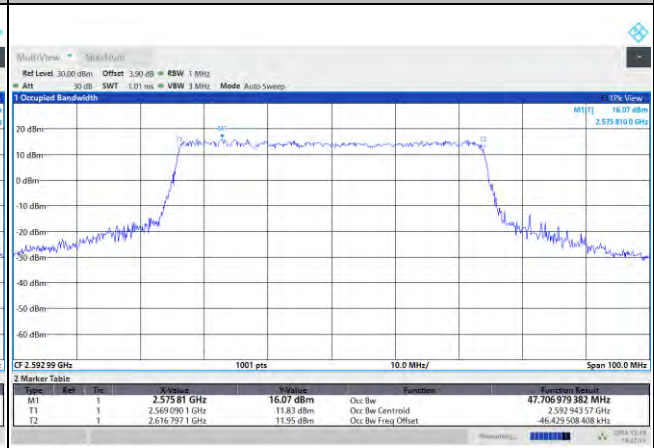
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



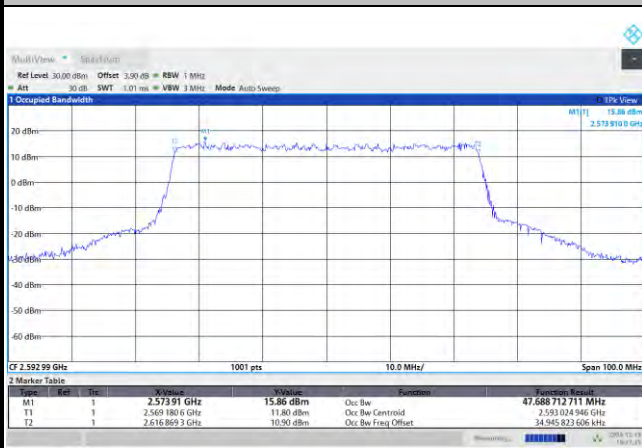
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16QAM



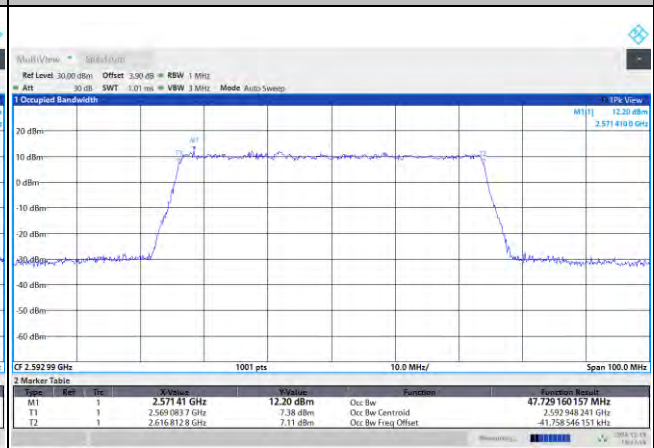
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64QAM



06:23:26 PM 12/18/2024

256QAM

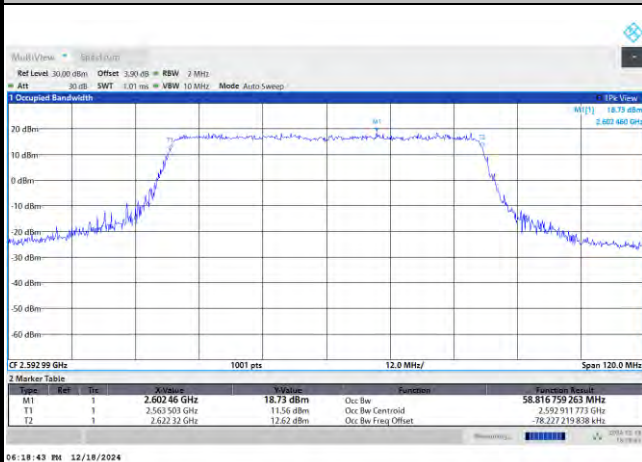


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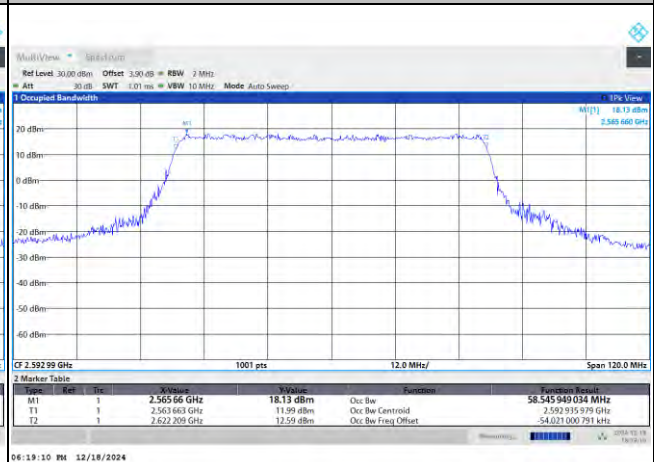
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



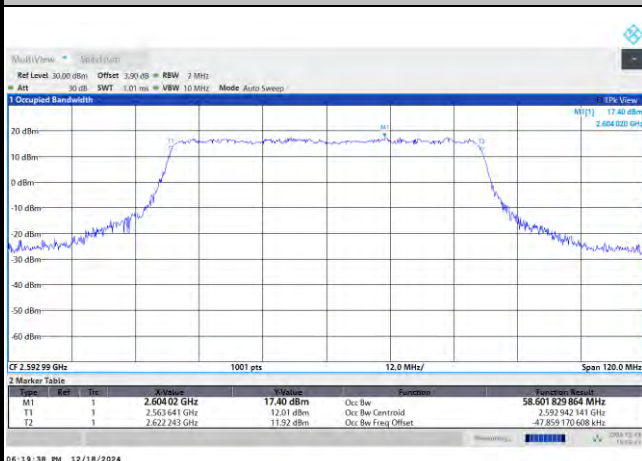
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16QAM



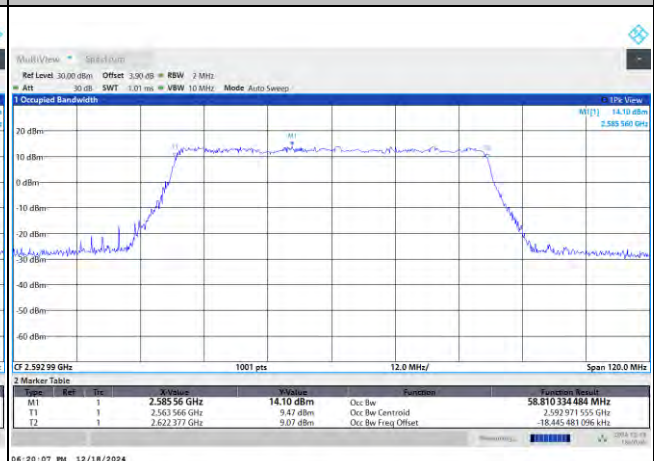
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64QAM



06:19:38 PM 12/18/2024

256QAM

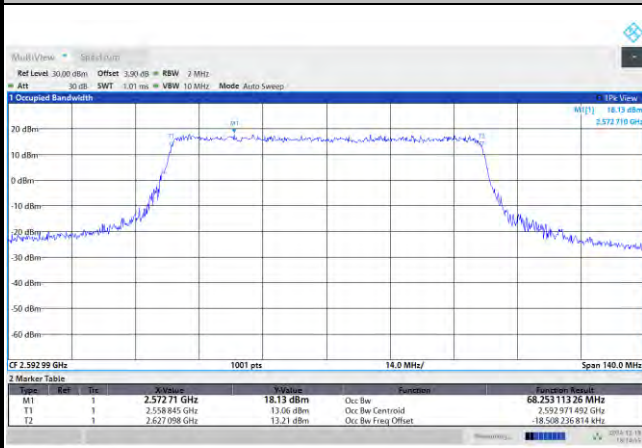


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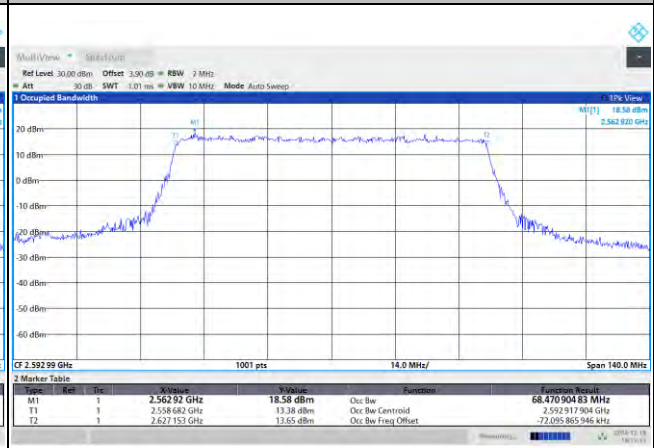
FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



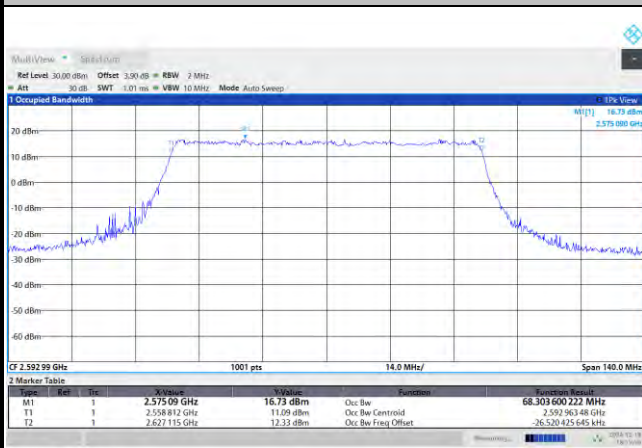
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16QAM



06:15:23 PM 12/18/2024

64QAM



06:15:51 PM 12/18/2024

256QAM

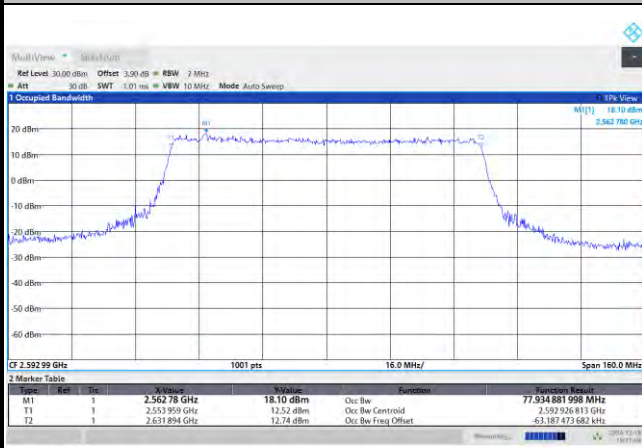


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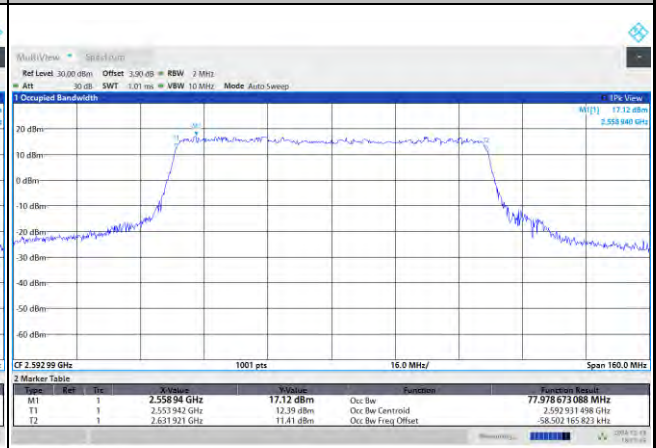
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



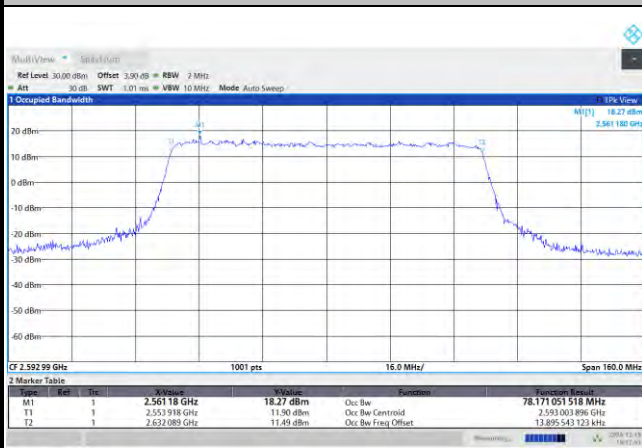
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16QAM



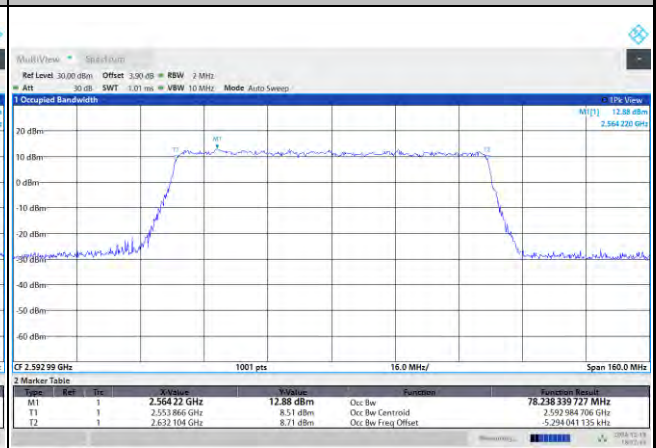
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64QAM



06:12:04 PM 12/18/2024

256QAM

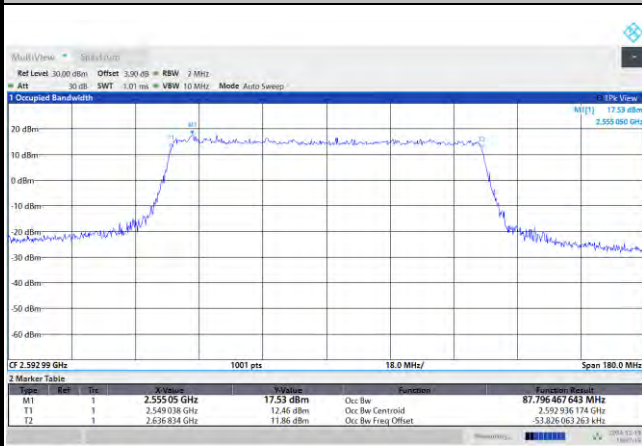


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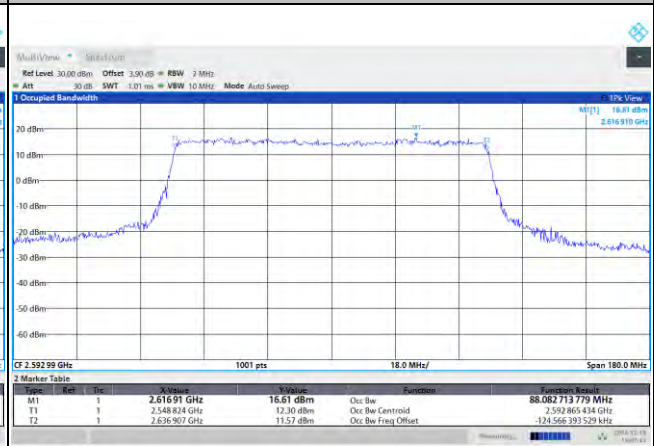
FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

QPSK



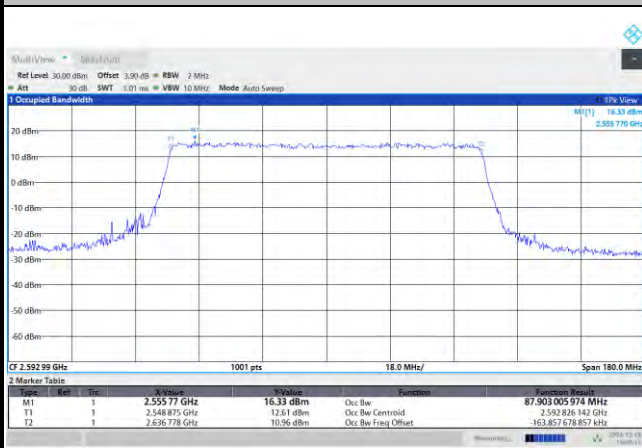
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16QAM



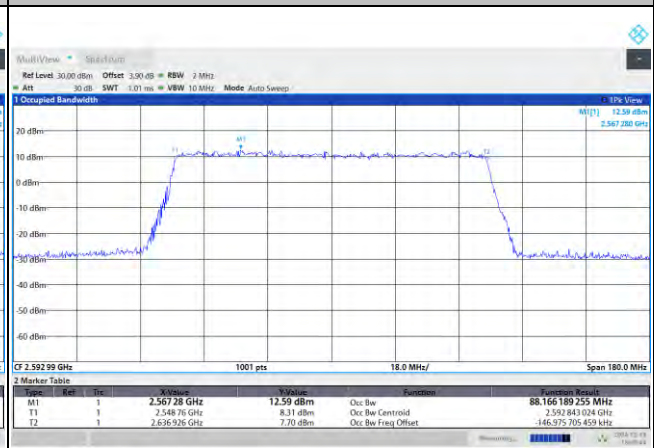
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64QAM



06:08:15 PM 12/18/2024

256QAM

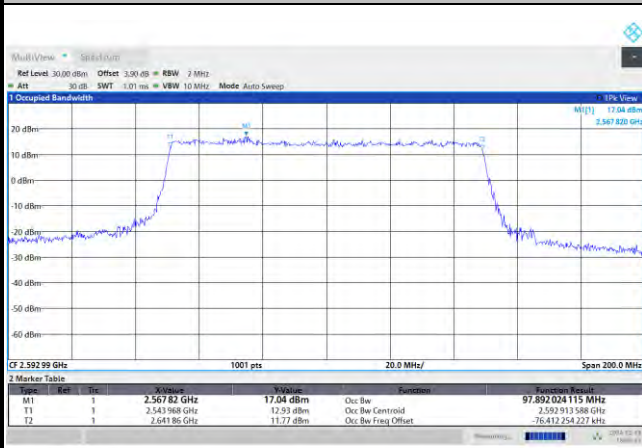


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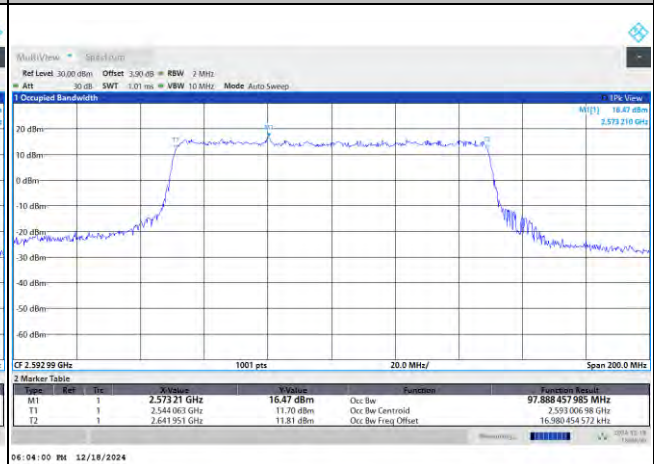


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

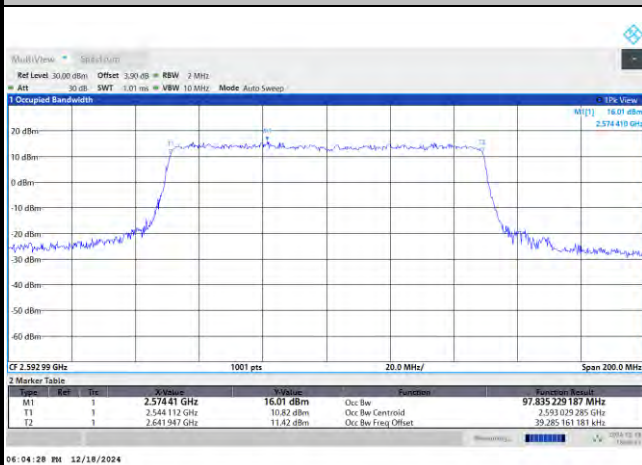
QPSK



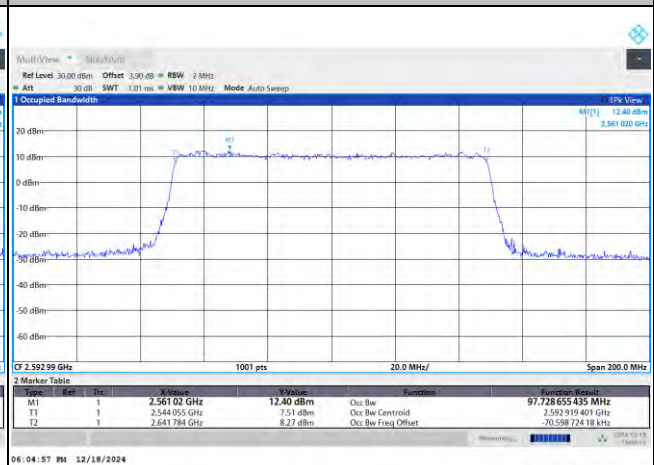
16QAM

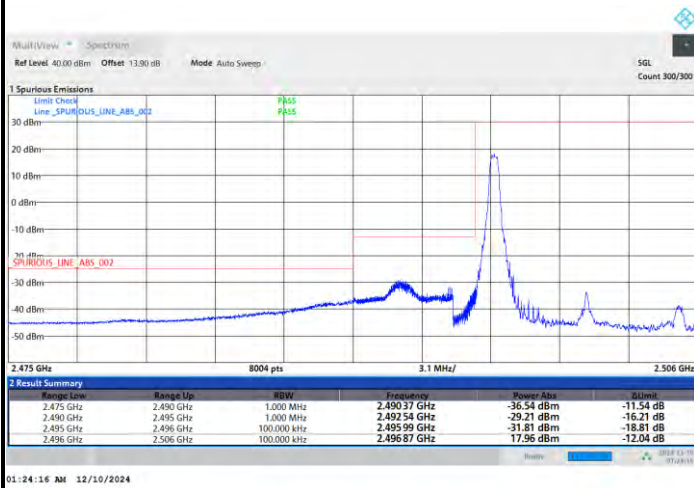
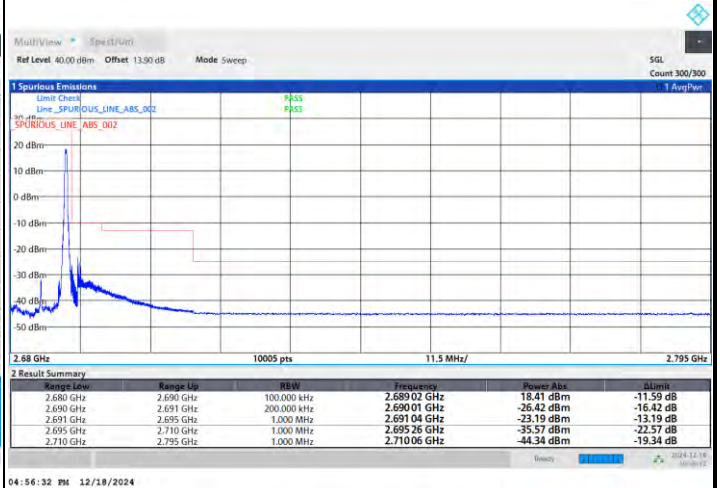
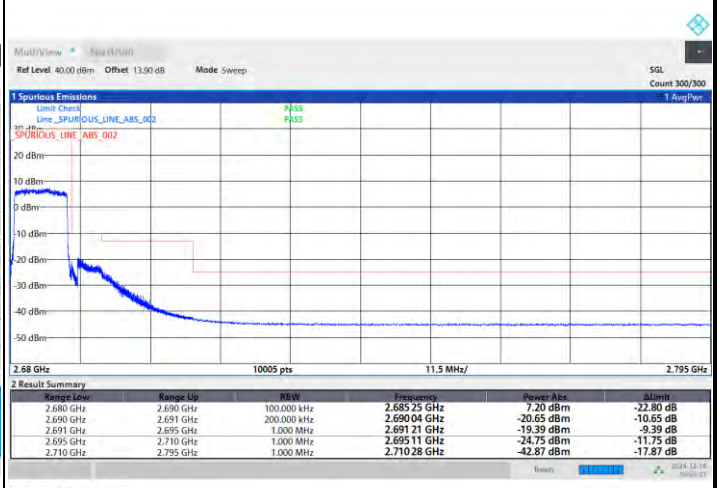


64QAM



256QAM



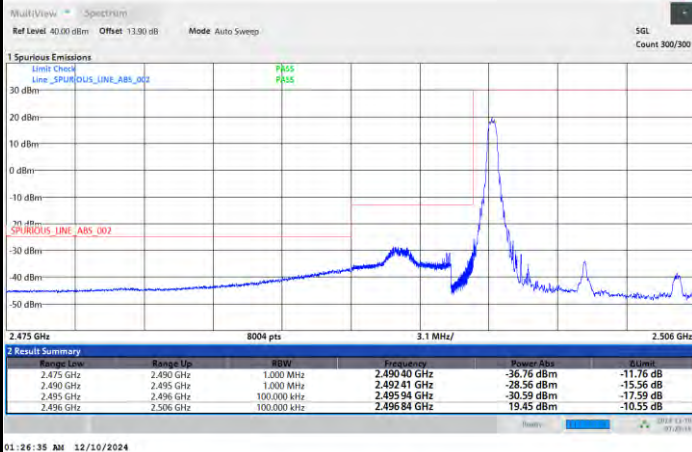
**Conducted Band Edge****FR1 n41 / 10MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 10MHz / CP OFDM / 16QAM

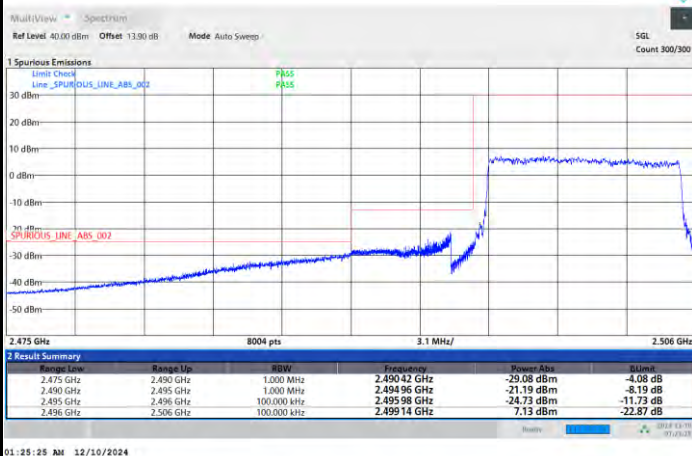
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB





FR1 n41 / 10MHz / CP OFDM / 64QAM

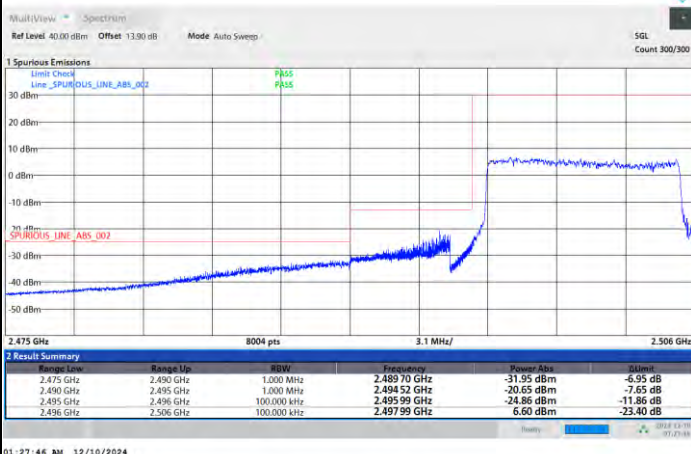
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

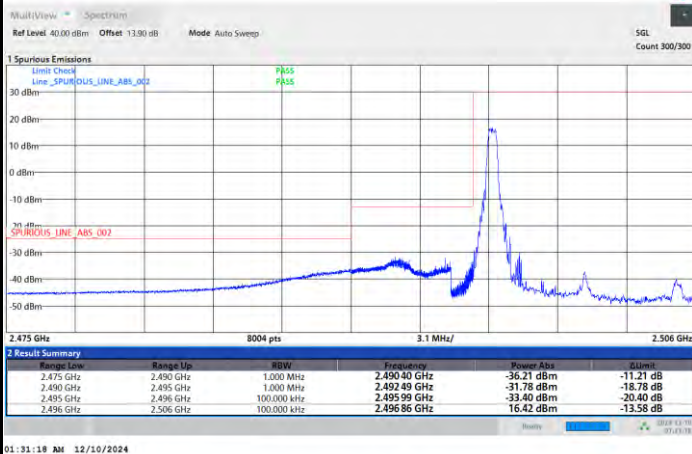




FR1 n41 / 10MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



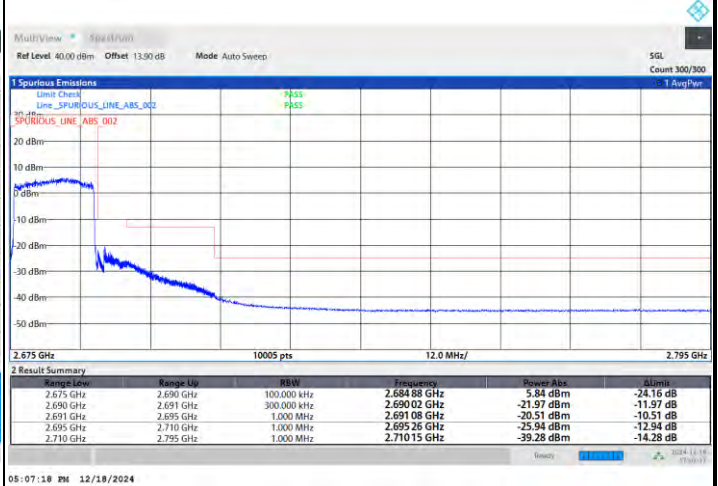


FR1 n41 / 15MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

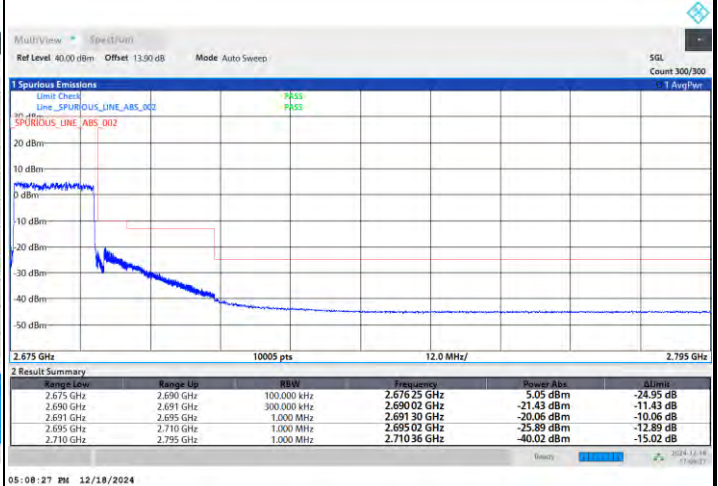


FR1 n41 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



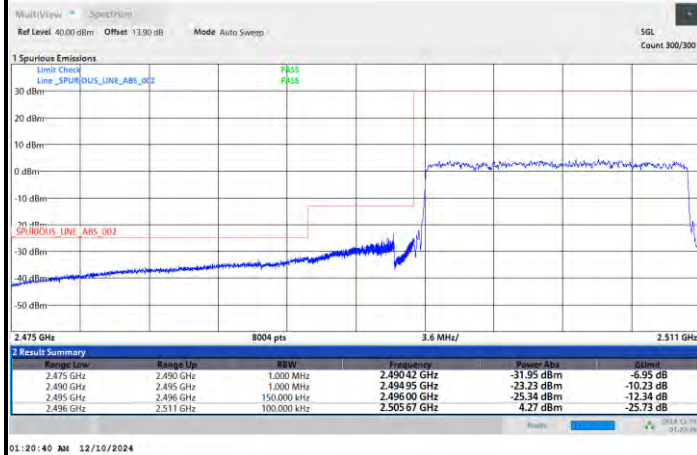
Highest Band Edge / Full RB



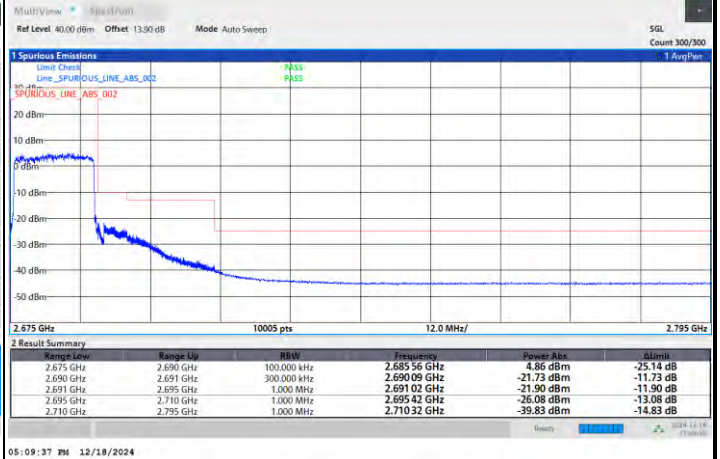


FR1 n41 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



FR1 n41 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

