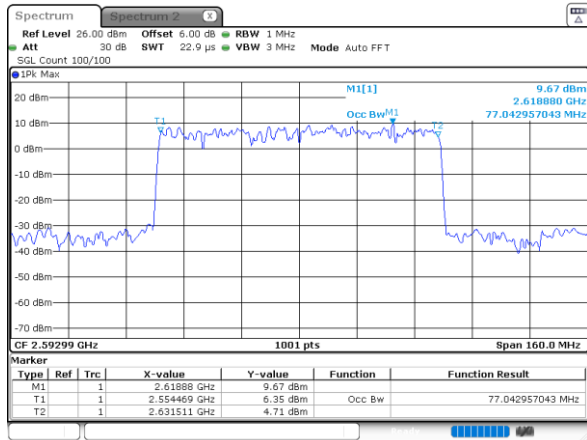




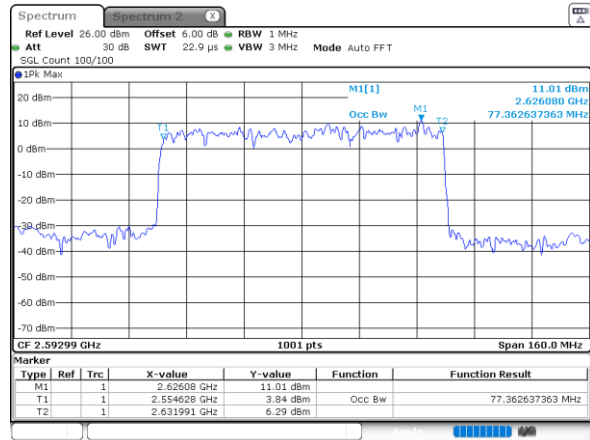
80MHz CP

QPSK



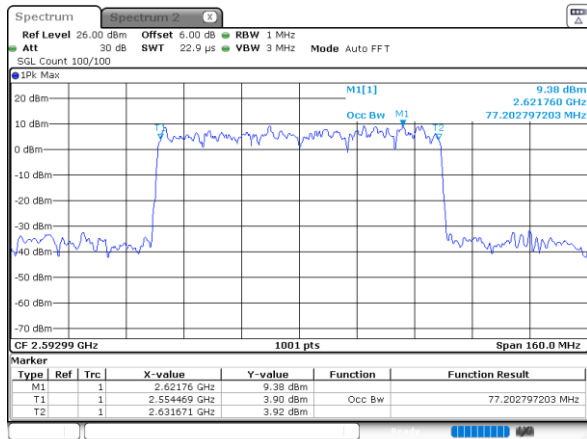
Date: 12.NOV.2022 09:19:19

16QAM



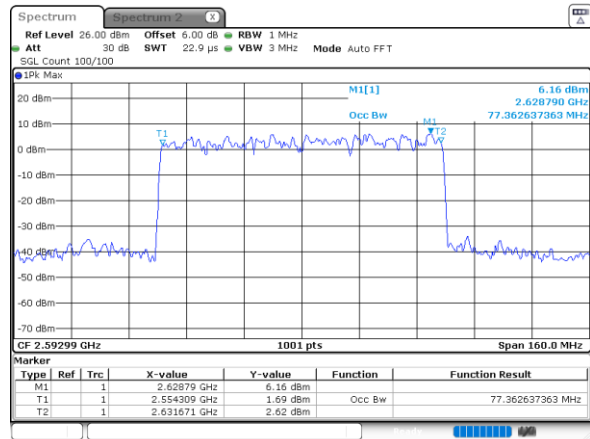
Date: 12.NOV.2022 09:18:56

64QAM



Date: 12.NOV.2022 09:18:38

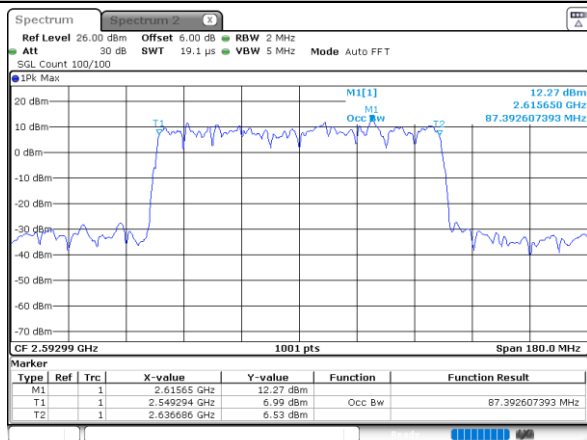
256QAM



Date: 12.NOV.2022 09:18:19

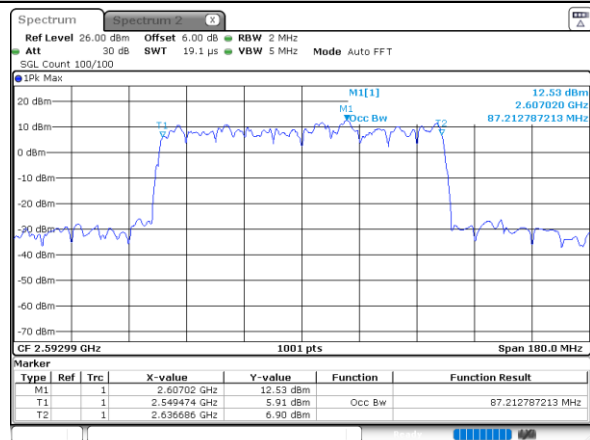
90MHz CP

QPSK



Date: 12.NOV.2022 09:16:36

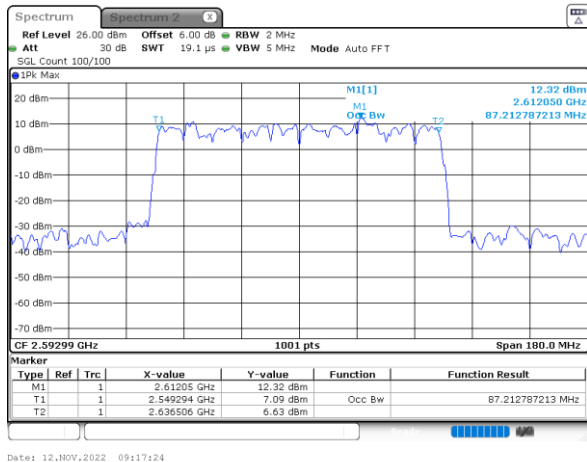
16QAM



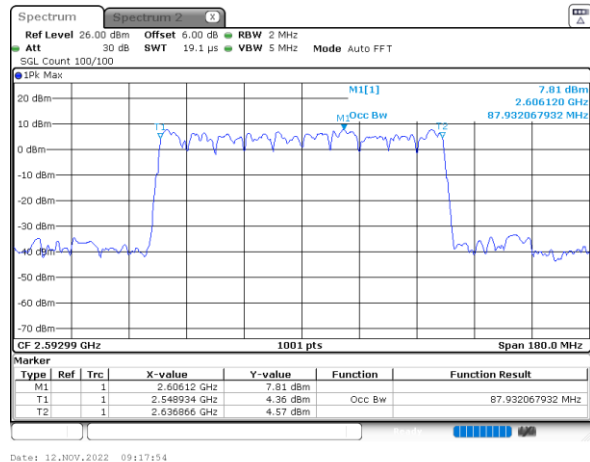
Date: 12.NOV.2022 09:16:56



64QAM

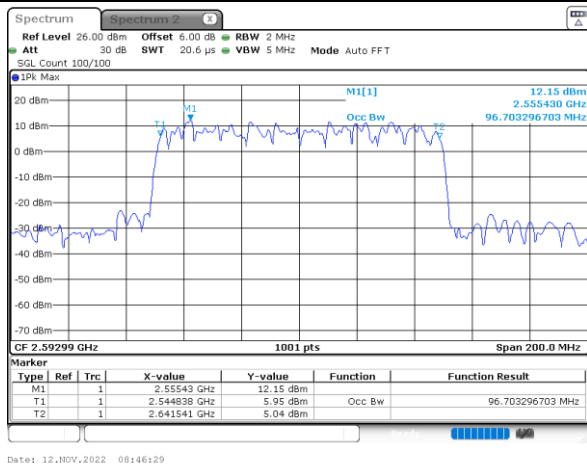


256QAM

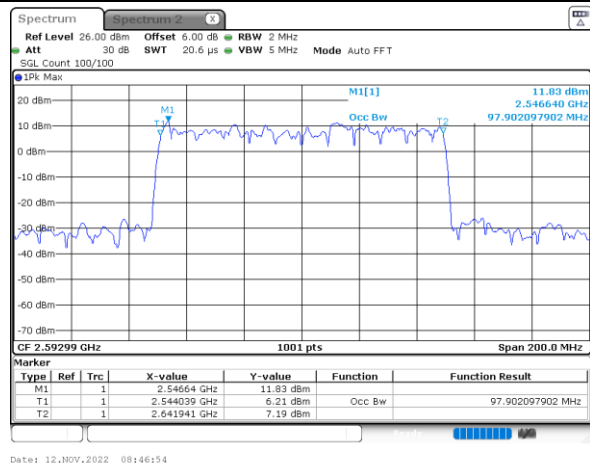


100MHz CP

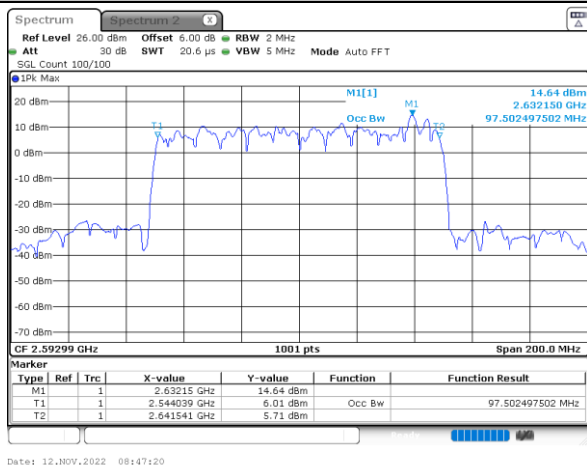
QPSK



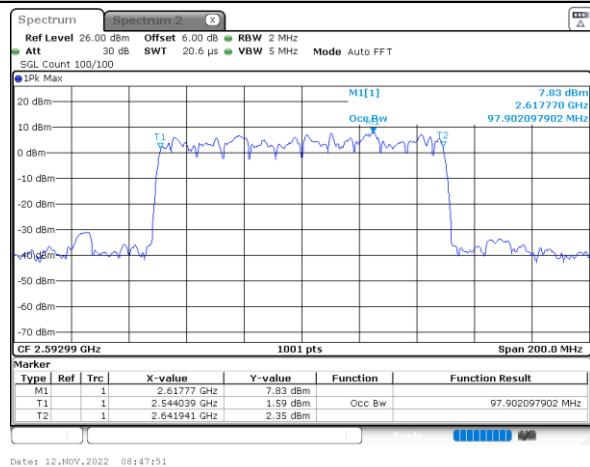
16QAM



64QAM



256QAM

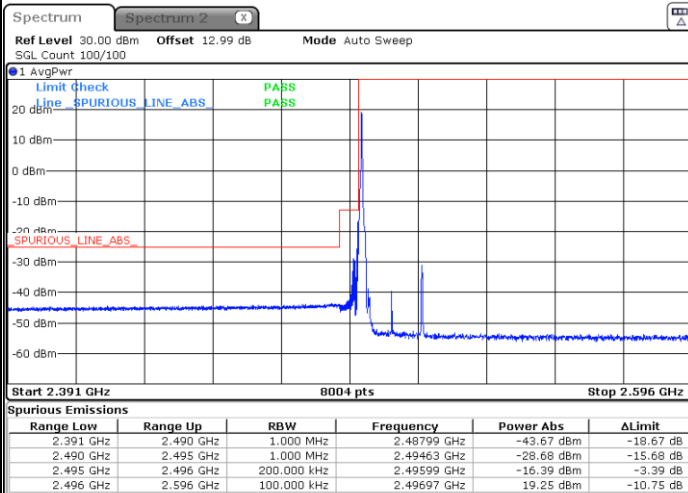


**Conducted Band Edge**

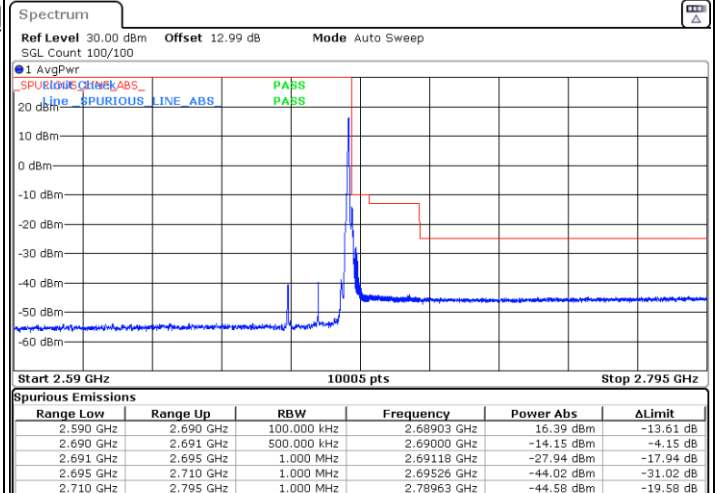
FR1 n41 / 20MHz / DFT OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



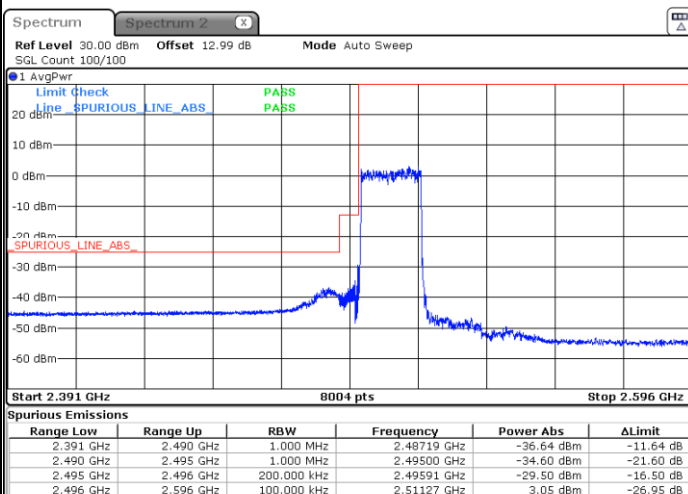
Date: 12.NOV.2022 10:36:14



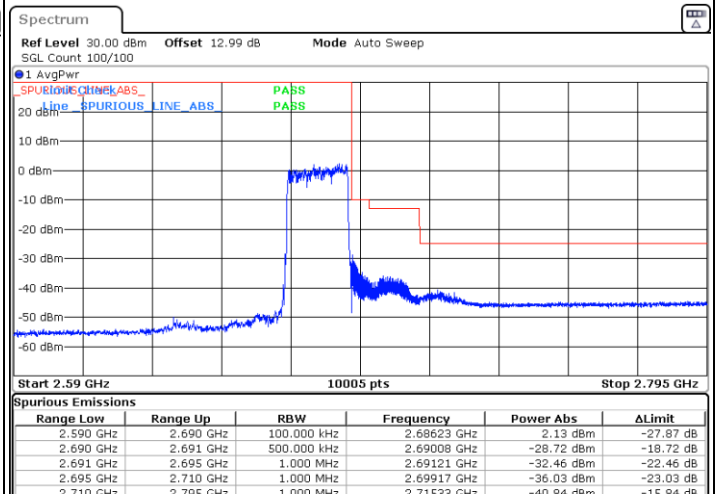
Date: 16.DEC.2022 07:18:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 10:38:54



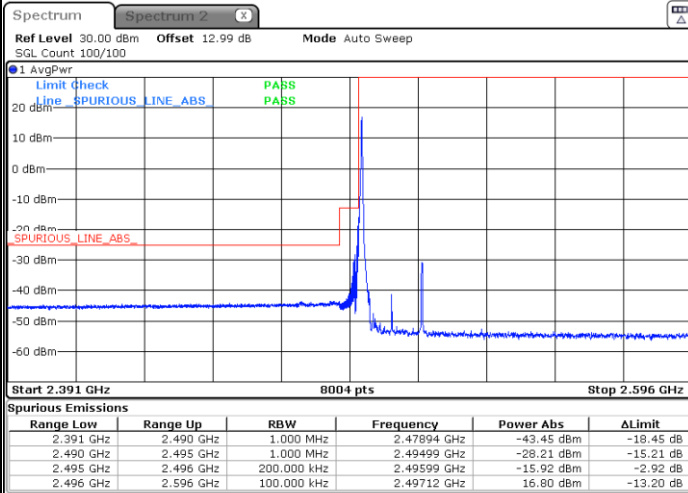
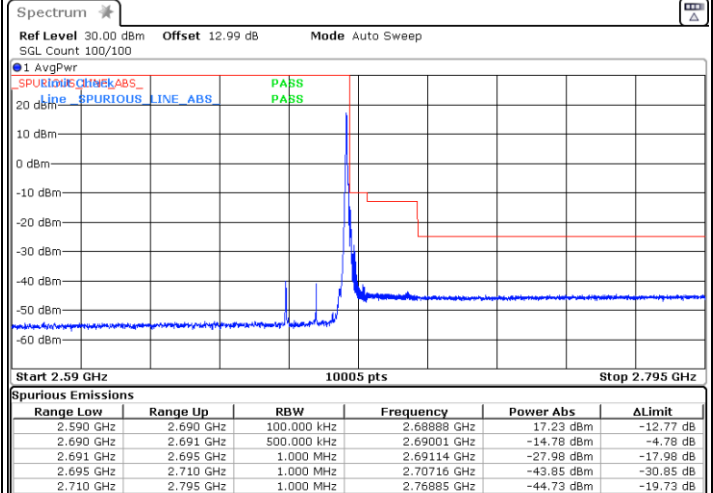
Date: 16.DEC.2022 07:17:38



FR1 n41 / 20MHz / DFT OFDM / QPSK

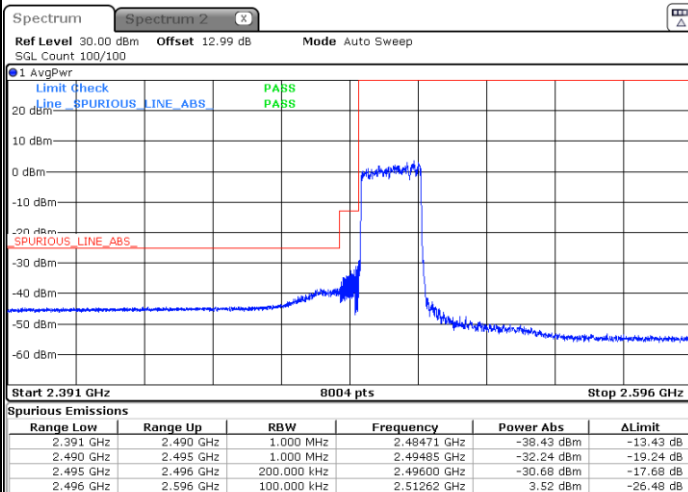
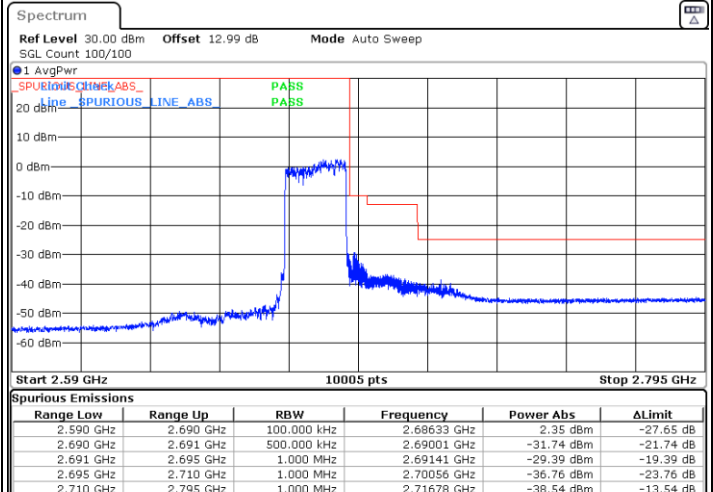
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

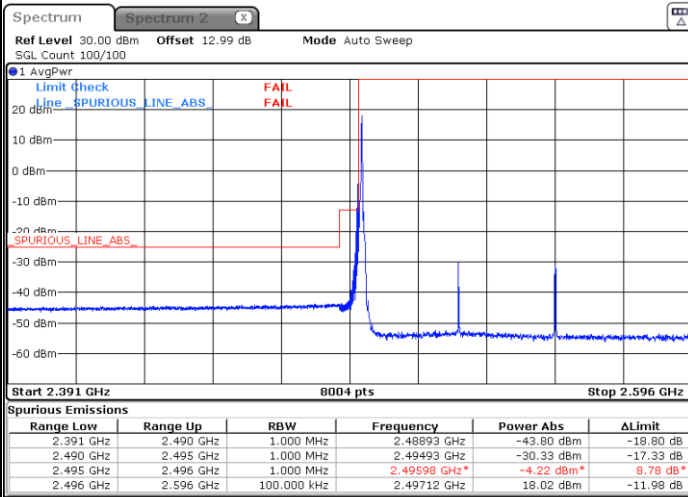




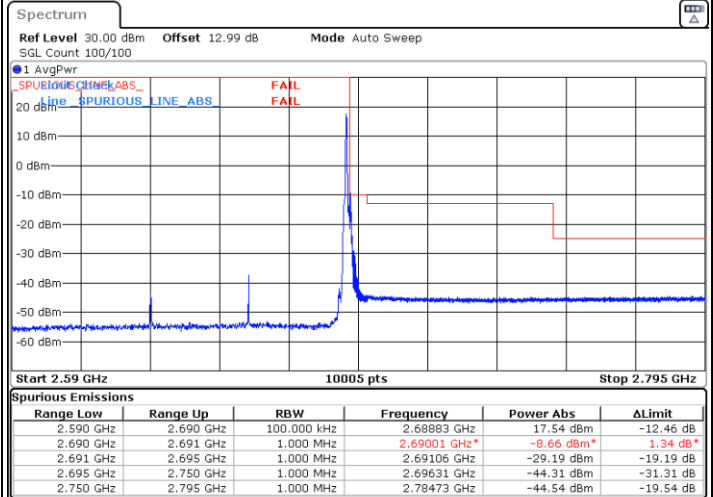
FR1 n41 / 60MHz / DFT OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

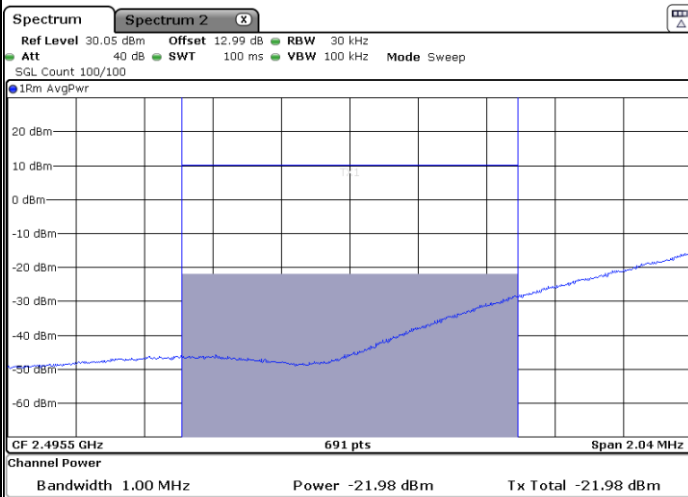
Highest Band Edge / 1RBmax



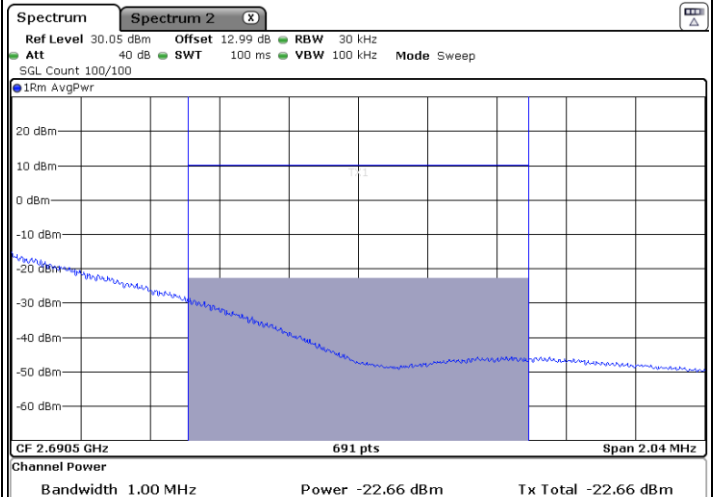
Date: 12.NOV.2022 10:06:54



Date: 16.DEC.2022 07:24:29



Date: 12.NOV.2022 10:55:56

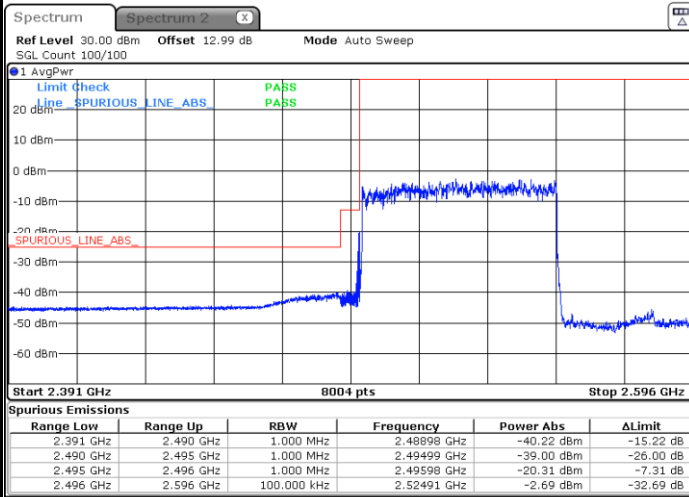


Date: 12.NOV.2022 10:58:17

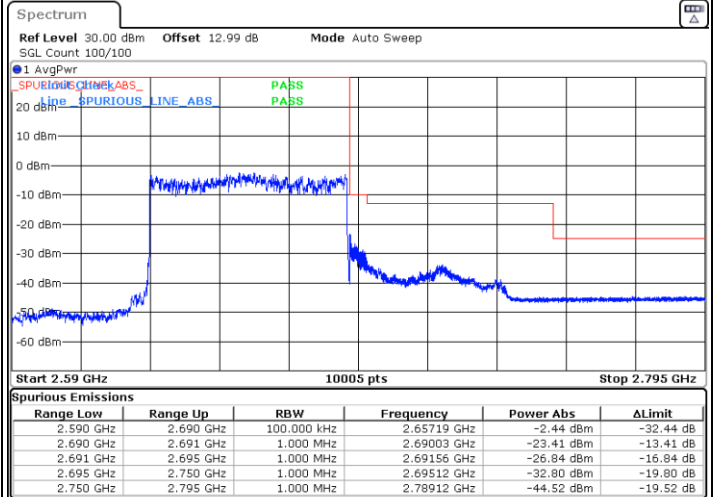


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 10:07:54



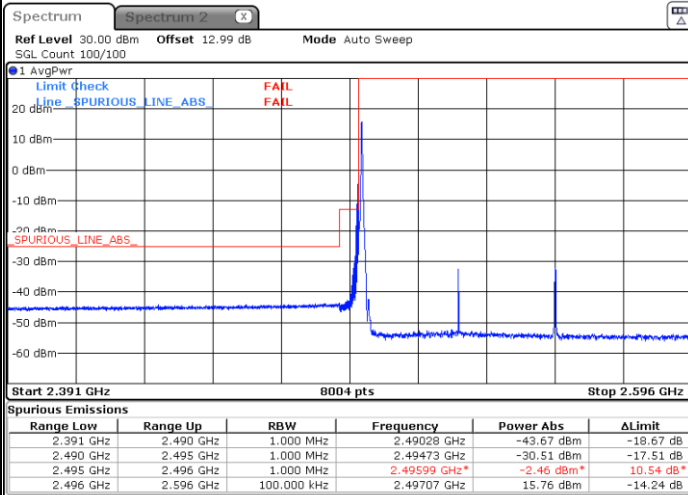
Date: 16.DEC.2022 07:23:27



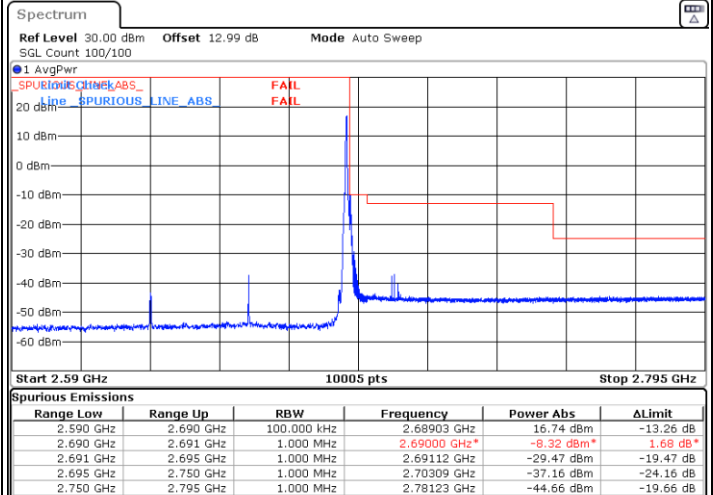
FR1 n41 / 60MHz / DFT OFDM / QPSK

Lowest Band Edge / 1RB0

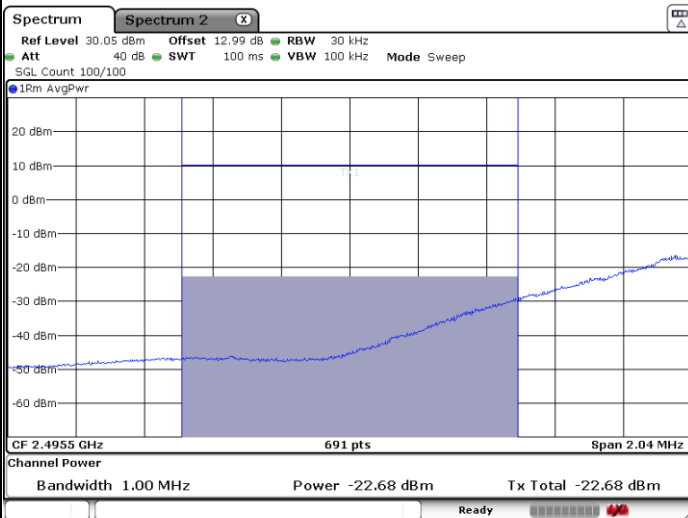
Highest Band Edge / 1RBmax



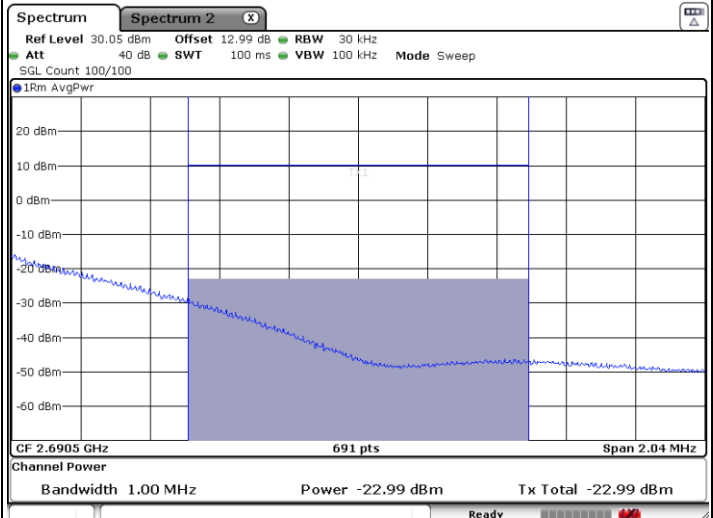
Date: 12.NOV.2022 10:06:34



Date: 16.DEC.2022 07:25:01



Date: 12.NOV.2022 10:56:33

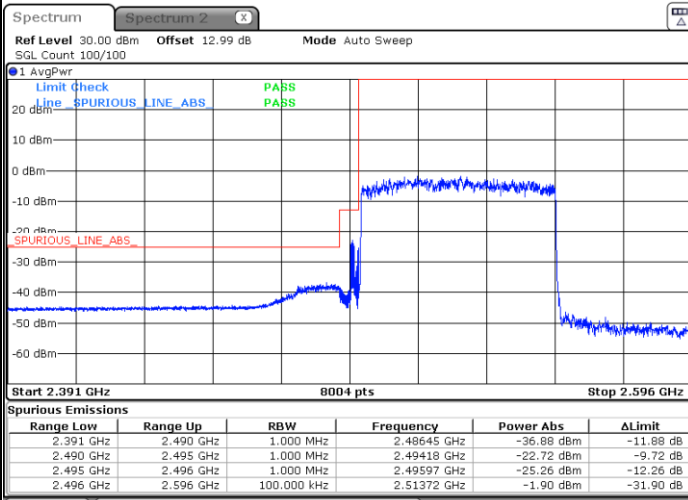


Date: 12.NOV.2022 10:57:50

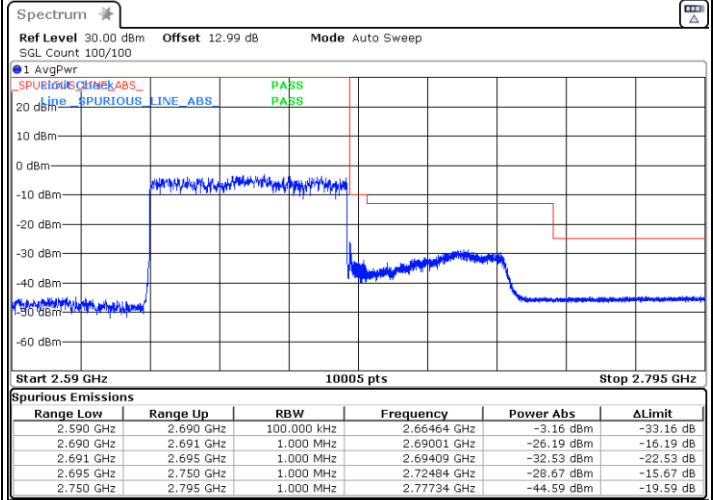


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 10:08:09



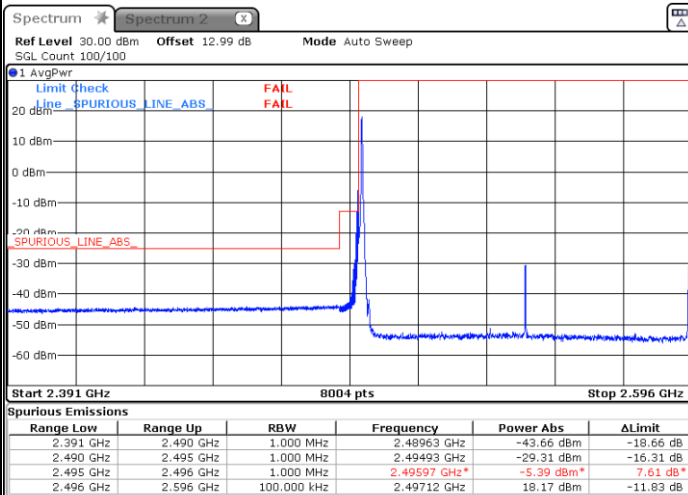
Date: 16.DEC.2022 07:22:47



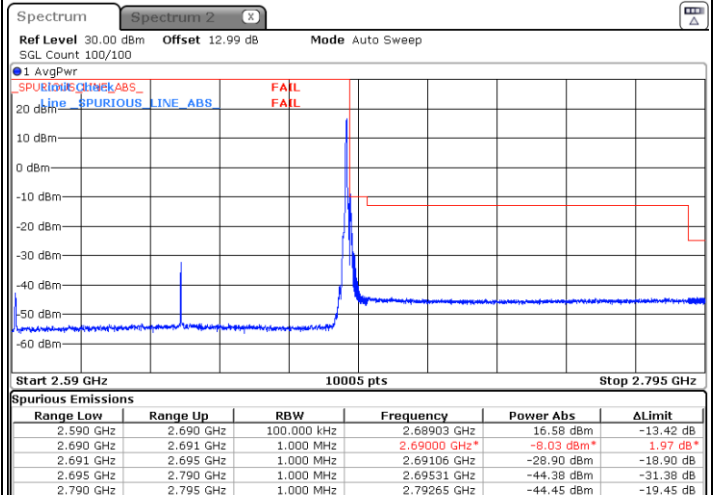
FR1 n41 / 100MHz / DFT OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

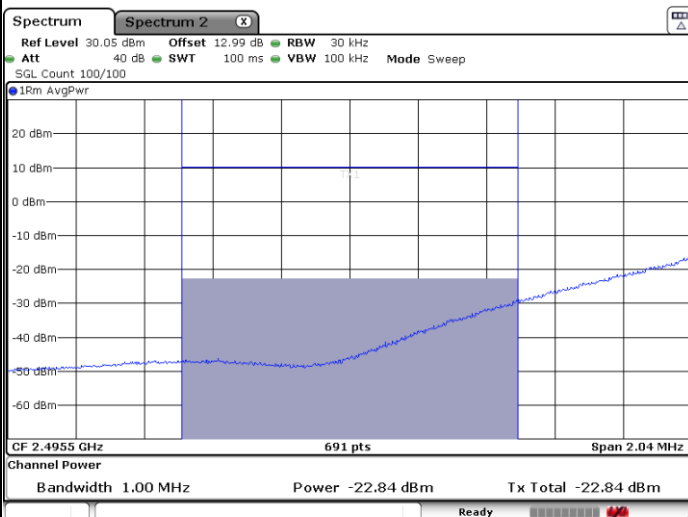
Highest Band Edge / 1RBmax



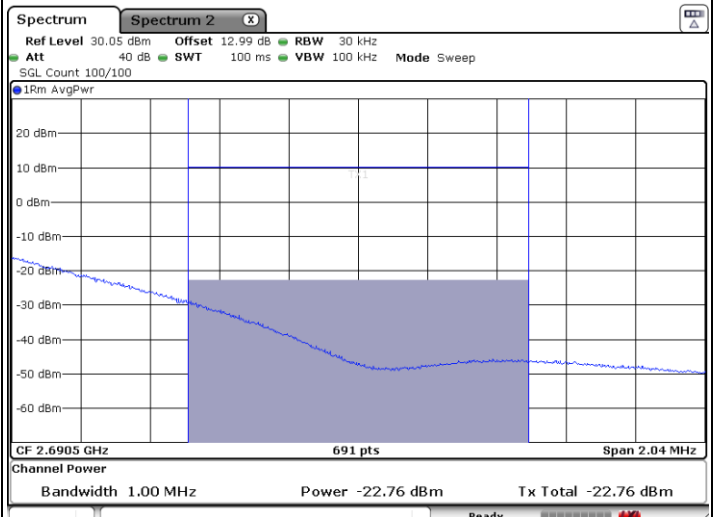
Date: 12.NOV.2022 08:49:20



Date: 12.NOV.2022 09:07:34



Date: 12.NOV.2022 11:00:44

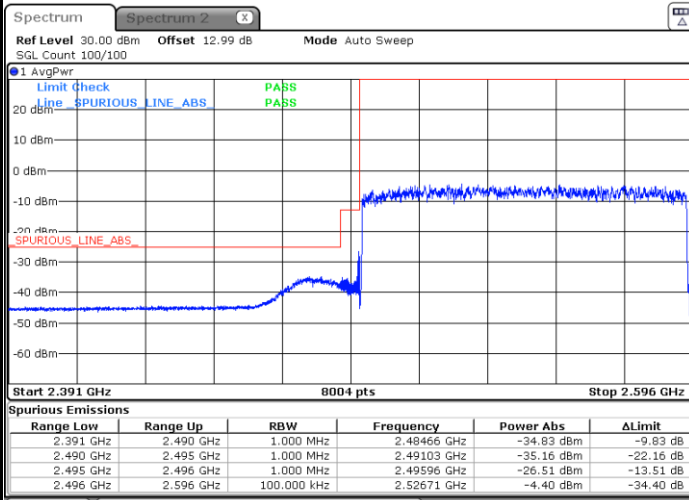


Date: 12.NOV.2022 11:02:38

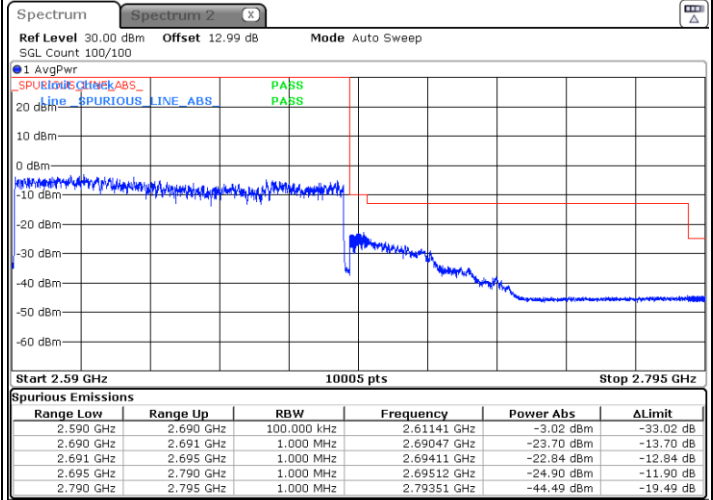


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.NOV.2022 09:02:10



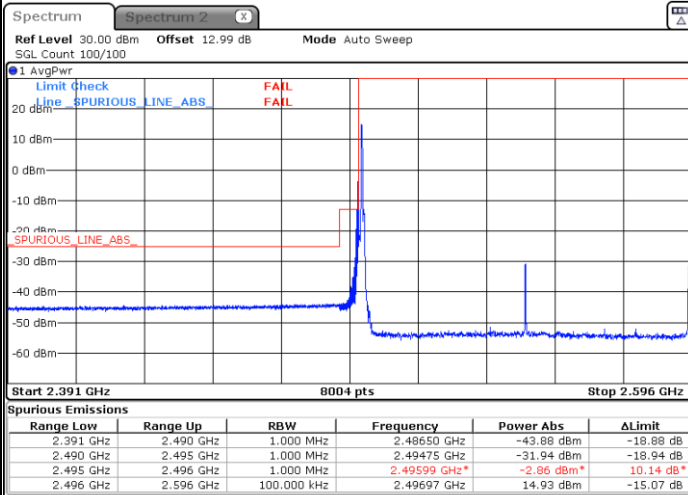
Date: 12.NOV.2022 09:04:59



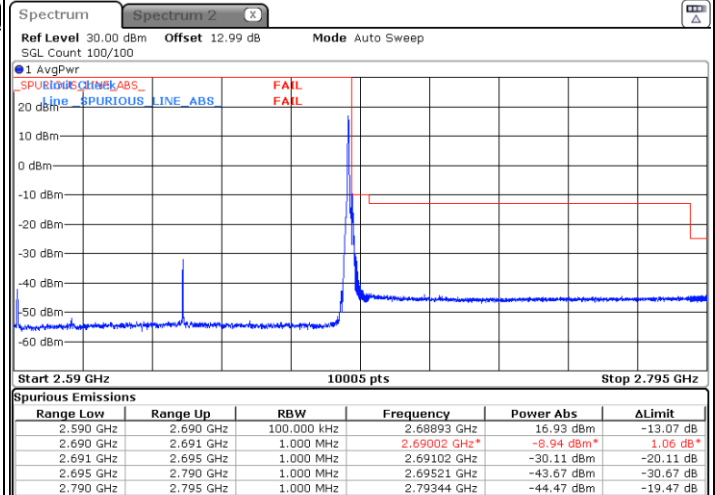
FR1 n41 / 100MHz / DFT OFDM / QPSK

Lowest Band Edge / 1RB0

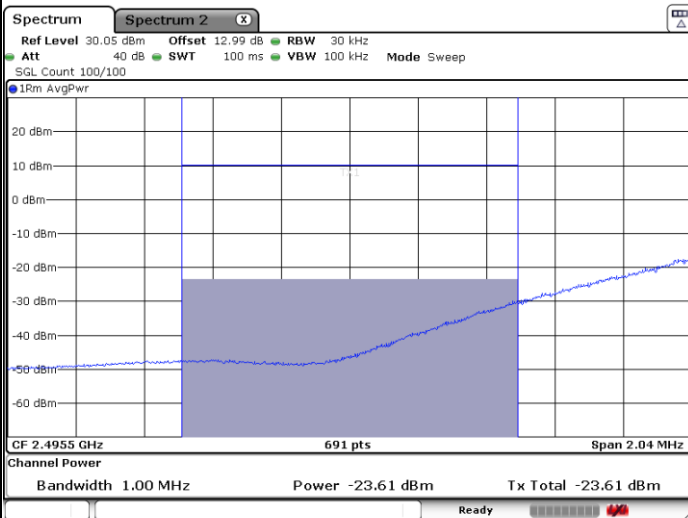
Highest Band Edge / 1RBmax



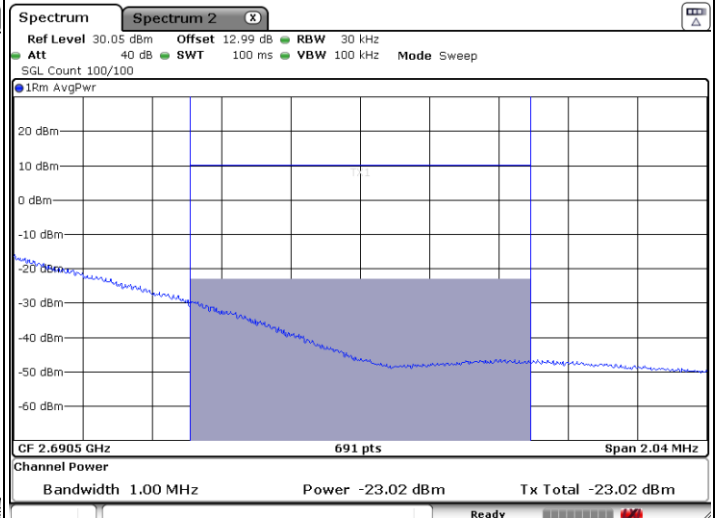
Date: 12.NOV.2022 08:50:34



Date: 12.NOV.2022 09:06:22



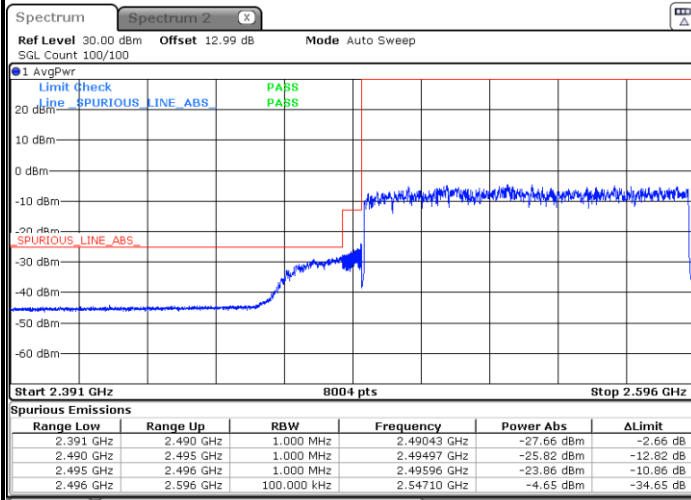
Date: 12.NOV.2022 11:01:23



Date: 12.NOV.2022 11:02:09

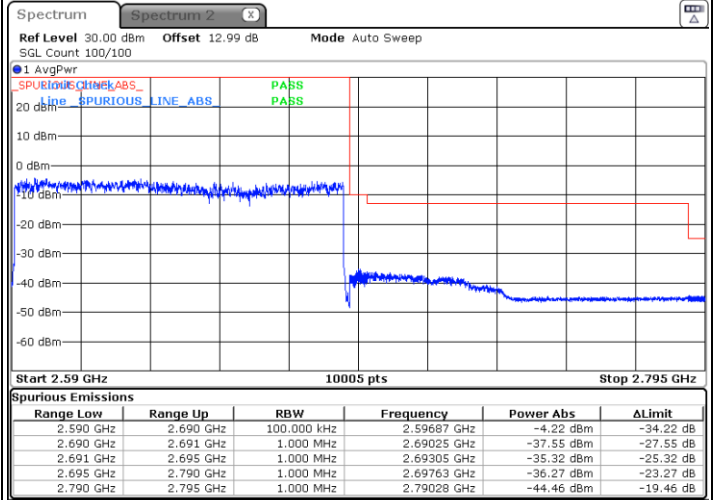


Lowest Band Edge / Full RB



Date: 12.NOV.2022 09:02:35

Highest Band Edge / Full RB



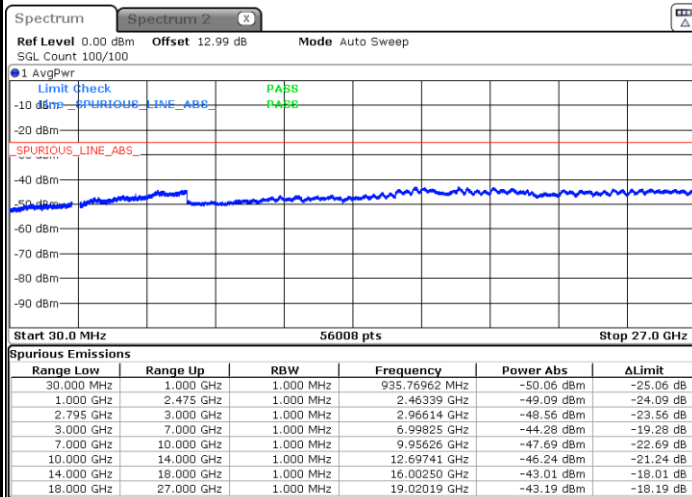
Date: 12.NOV.2022 09:05:25



Conducted Spurious Emission

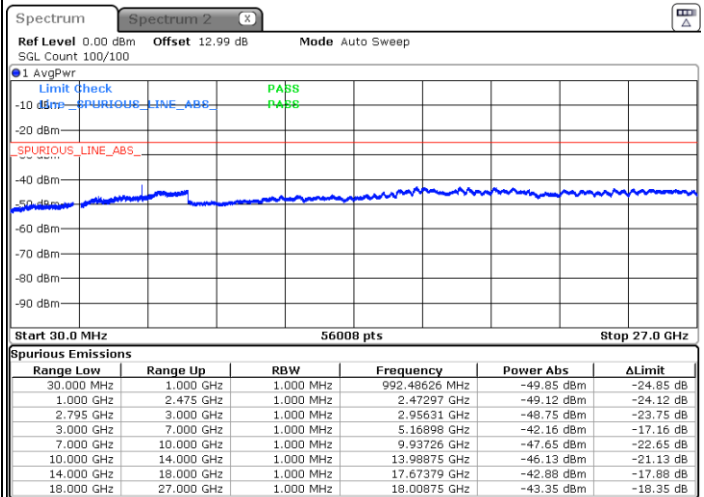
FR1 n41 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



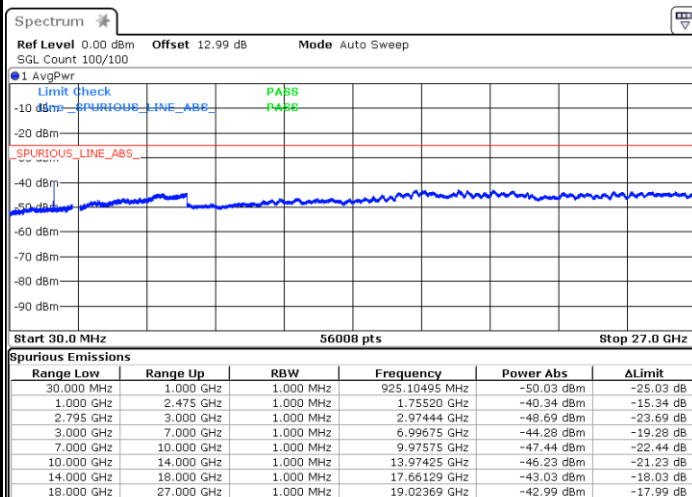
Date: 12.NOV.2022 10:35:57

Middle Channel / 1RB1



Date: 12.NOV.2022 10:31:58

Highest Channel / 1RB1

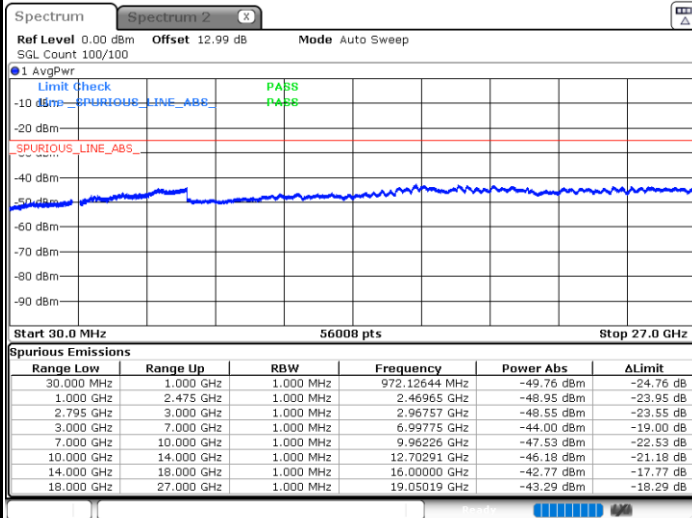


Date: 13.NOV.2022 19:31:15



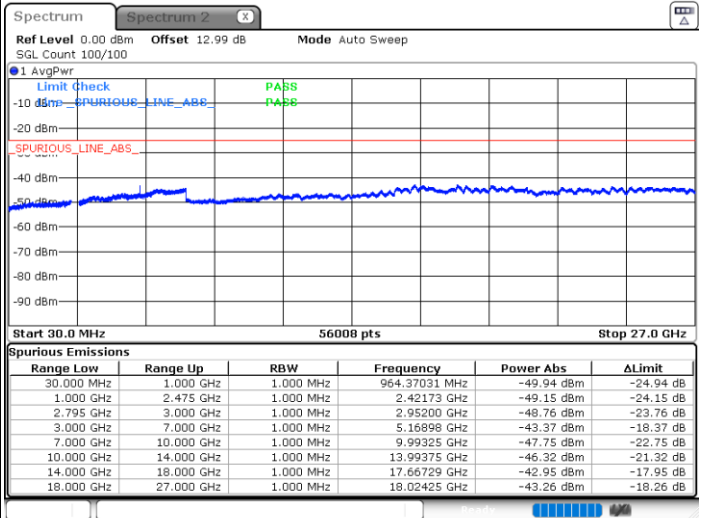
FR1 n41 / 20MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1



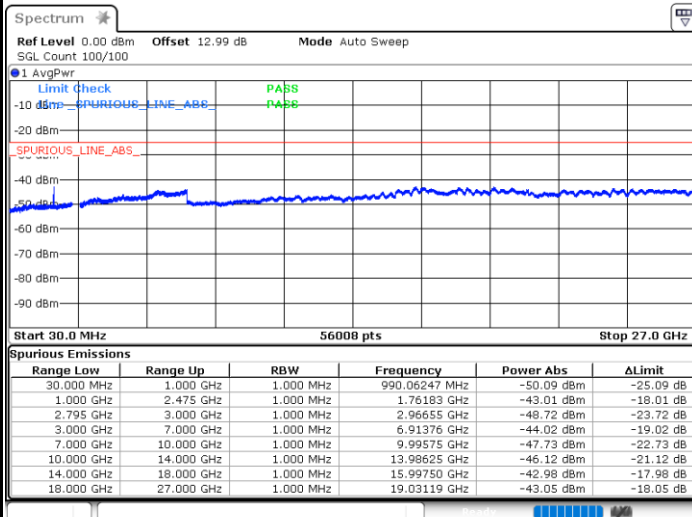
Date: 12.NOV.2022 10:35:01

Middle Channel / 1RB1



Date: 12.NOV.2022 10:33:55

Highest Channel / 1RB1

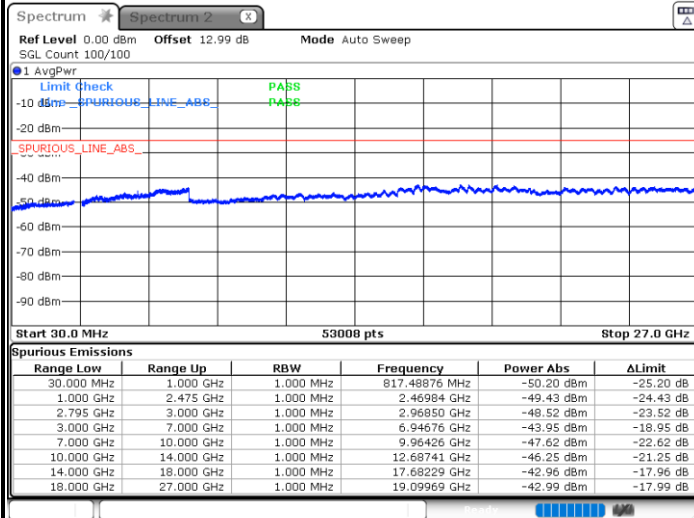


Date: 13.NOV.2022 19:33:13



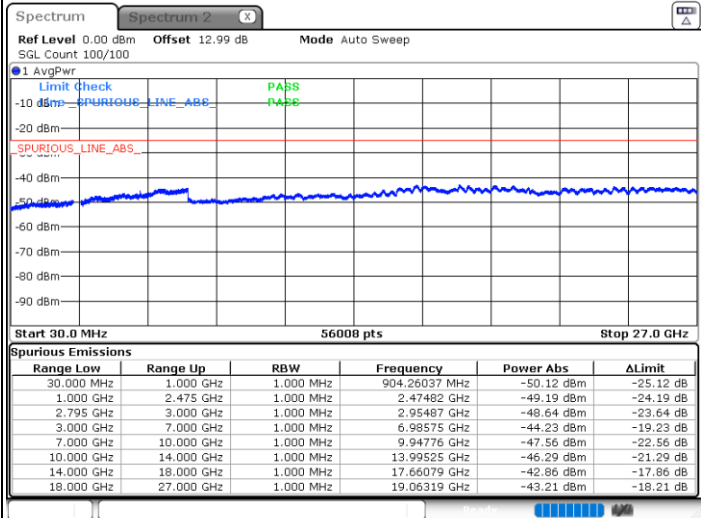
FR1 n41 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



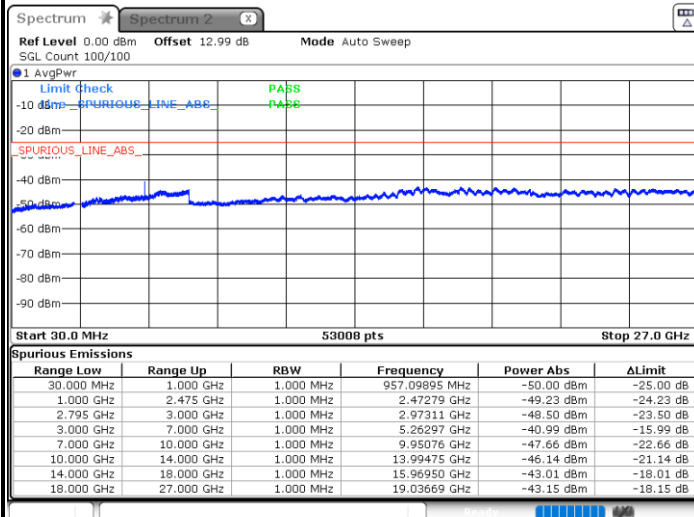
Date: 12.NOV.2022 10:11:48

Middle Channel / 1RB1



Date: 12.NOV.2022 09:55:19

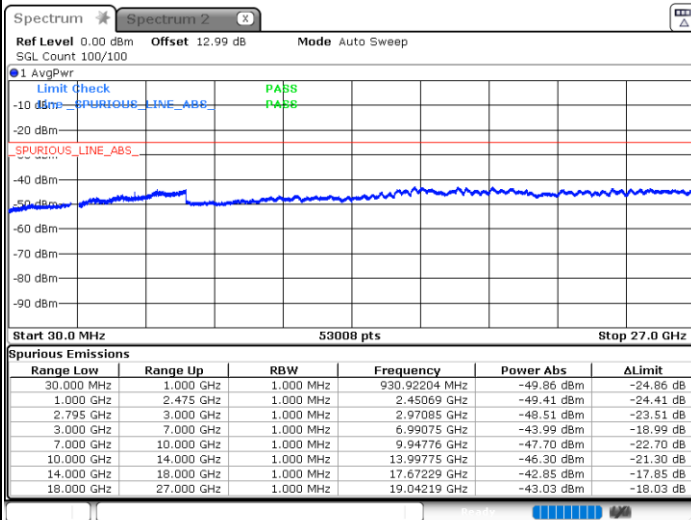
Highest Channel / 1RB1



Date: 12.NOV.2022 10:13:48

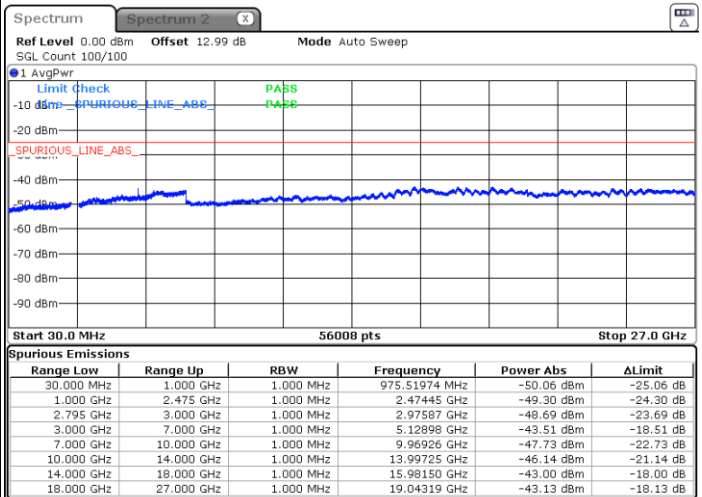
FR1 n41 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1



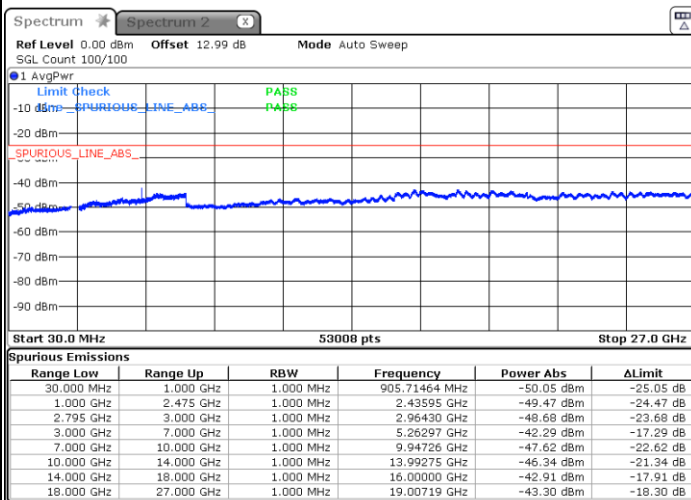
Date: 12.NOV.2022 10:09:31

Middle Channel / 1RB1



Date: 12.NOV.2022 09:56:28

Highest Channel / 1RB1

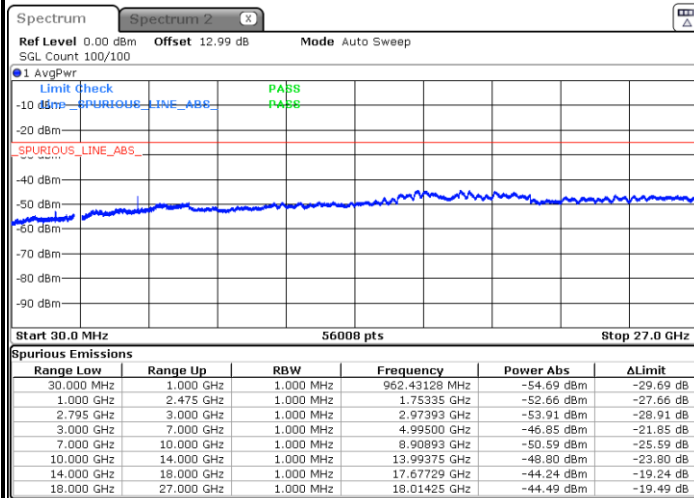


Date: 12.NOV.2022 10:14:52



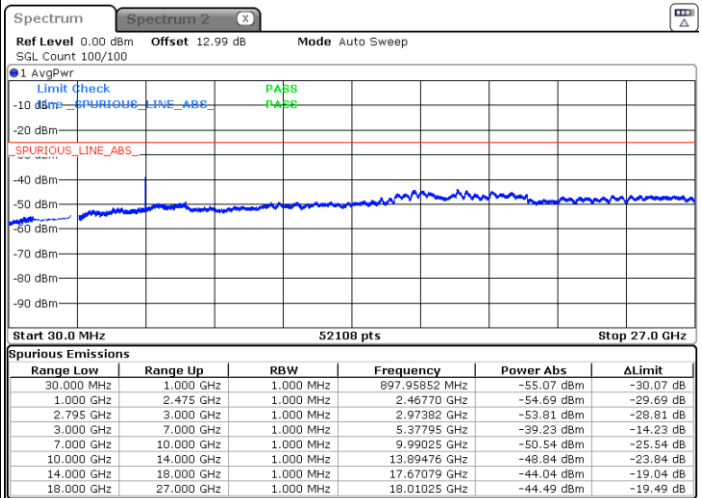
FR1 n41 /100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



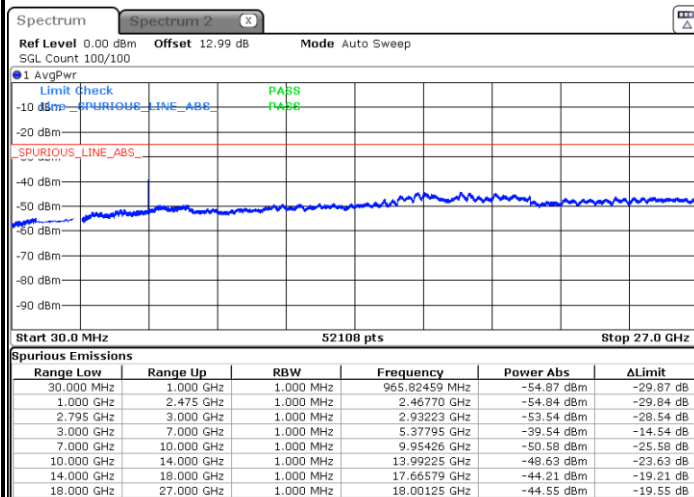
Date: 12.NOV.2022 08:59:25

Middle Channel / 1RB1



Date: 12.NOV.2022 09:15:49

Highest Channel / 1RB1

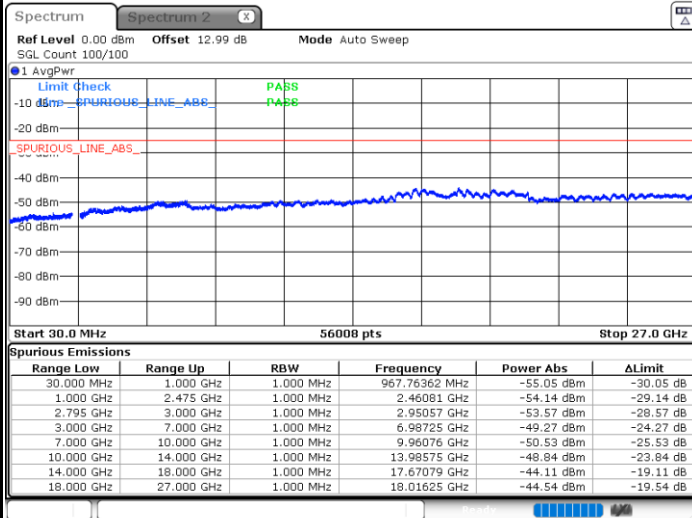


Date: 12.NOV.2022 09:09:28



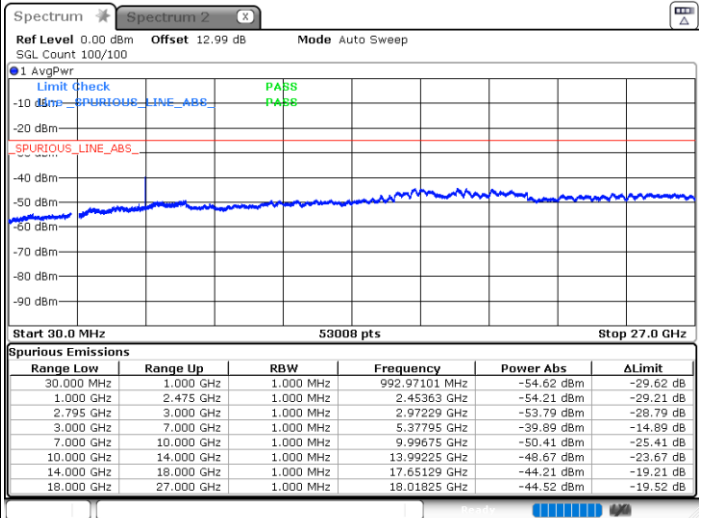
FR1 n41 /100MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1



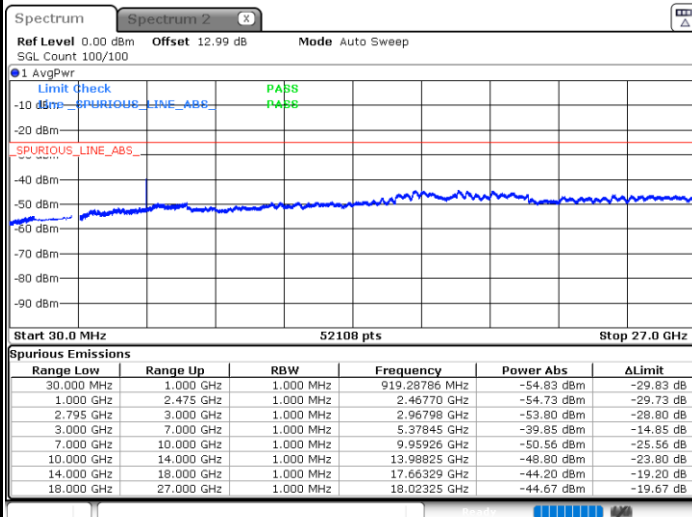
Date: 12.NOV.2022 08:57:23

Middle Channel / 1RB1



Date: 12.NOV.2022 09:13:14

Highest Channel / 1RB1



Date: 12.NOV.2022 09:10:22

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



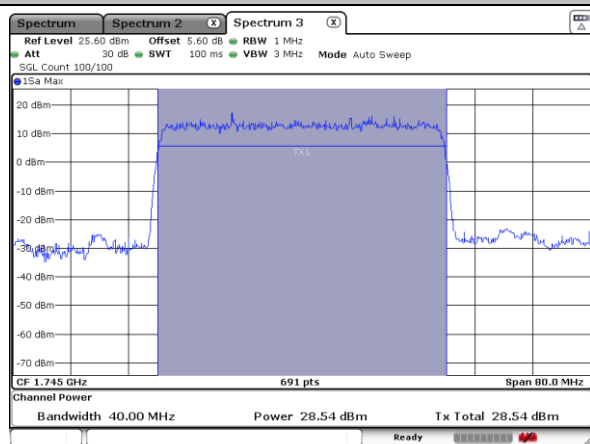
FR1 n66(Main PA)

Peak-to-Average Ratio

Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	6.67	6.65			PASS

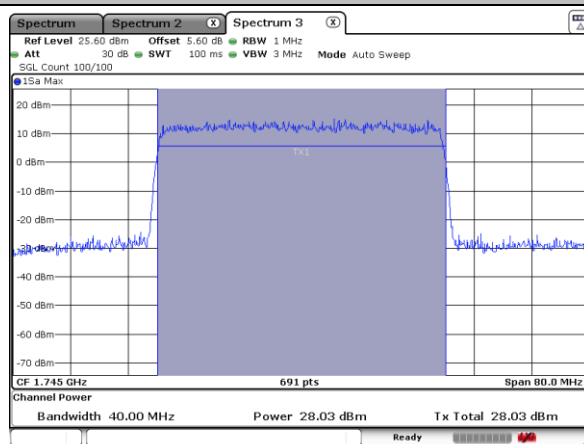
FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



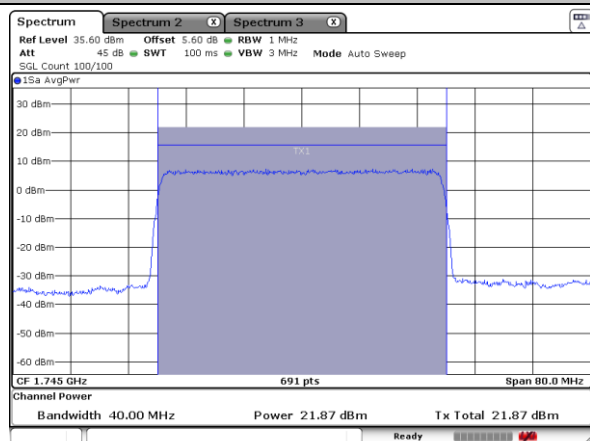
Date: 8,NOV,2022 13:04:03

QPSK



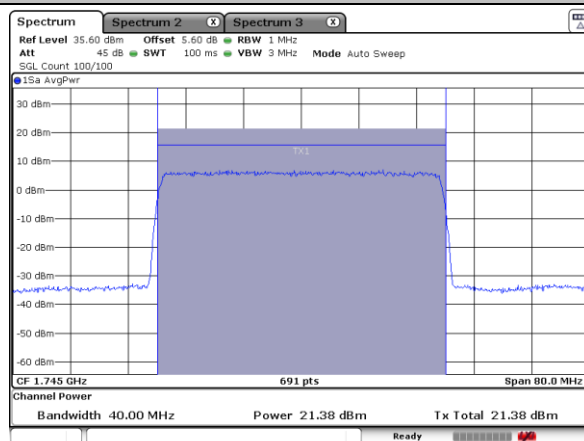
Date: 8,NOV,2022 13:04:30

PI/2 BPSK



Date: 8,NOV,2022 13:03:24

QPSK



Date: 8,NOV,2022 13:05:03

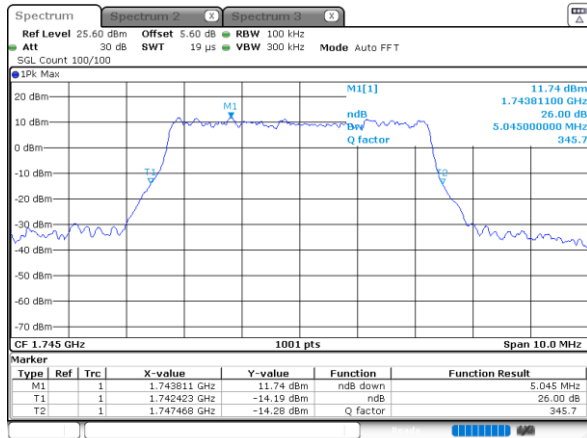
**26dB Bandwidth**

Mode	FR1 n66 : 26dBW (MHz) / CP OFDM					
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Middle CH	5.05	9.99	14.90	20.14	29.49	41.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM
Middle CH	5.08	10.19	15.11	19.86	29.65	41.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Middle CH	4.98	10.15	14.96	20.06	29.57	41.00
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Middle CH	5.11	10.17	15.23	19.78	29.73	40.92

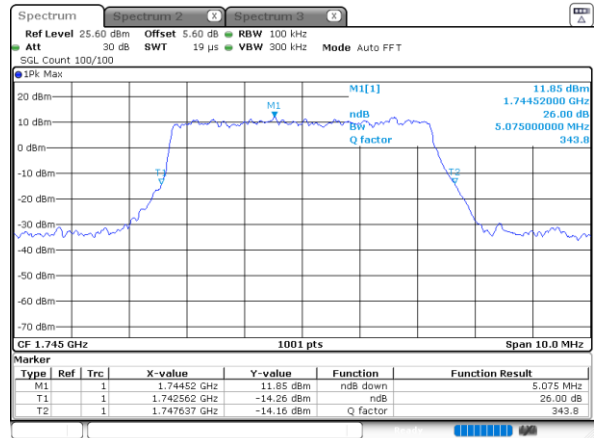


FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

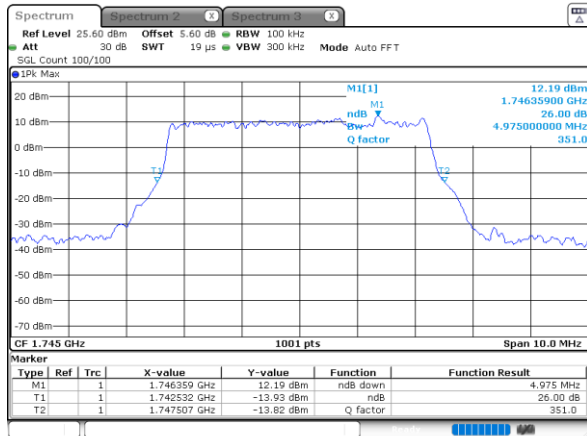
QPSK



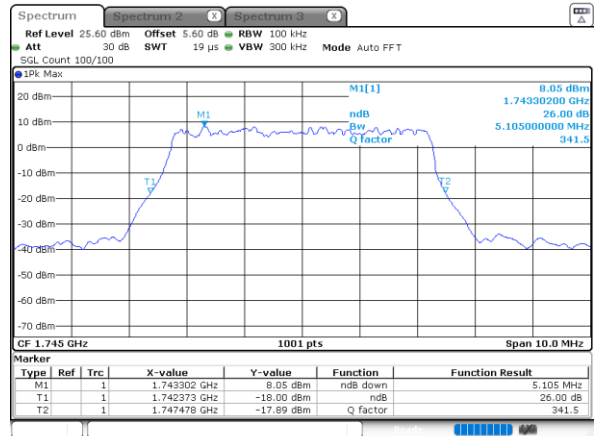
16QAM



64QAM



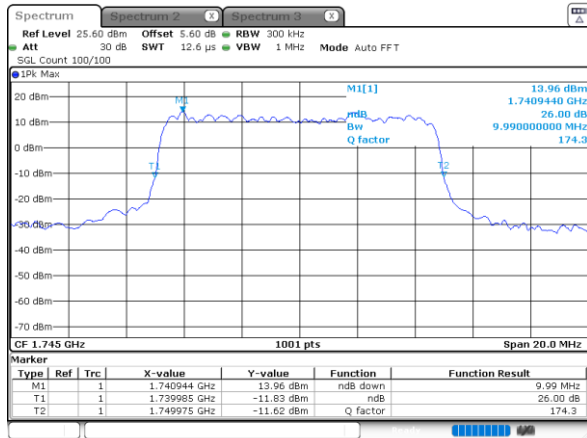
256QAM



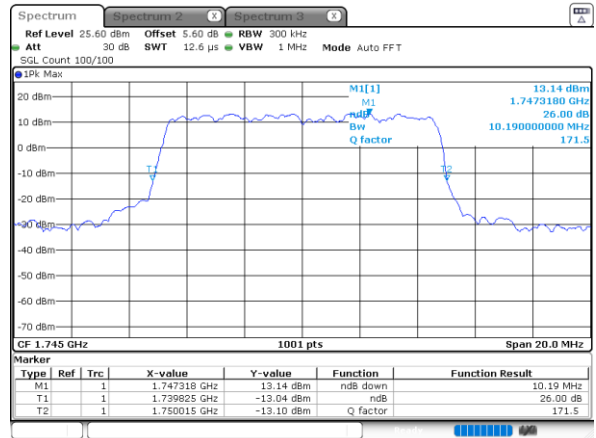


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

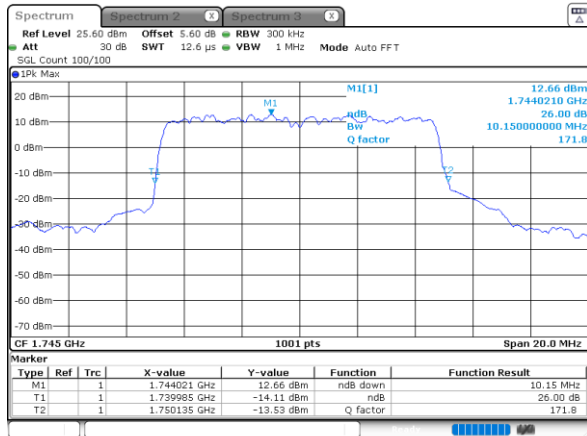
QPSK



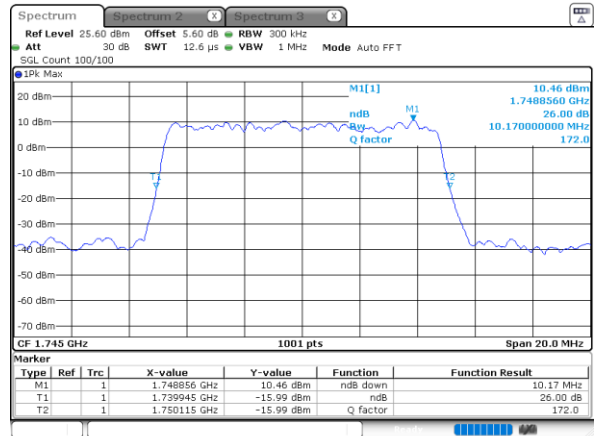
16QAM



64QAM



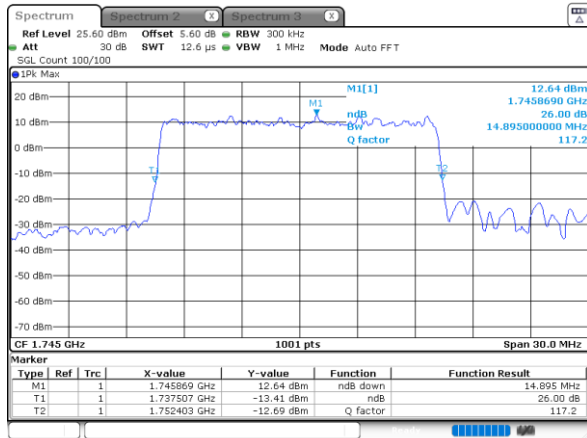
256QAM



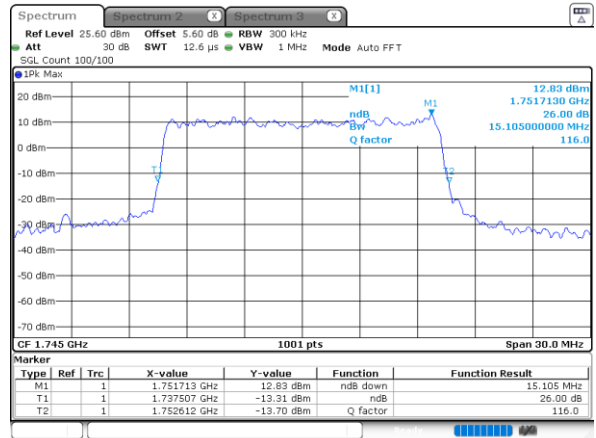


FR1 n66 /15MHz / CP OFDM / Middle Channel / Full RB

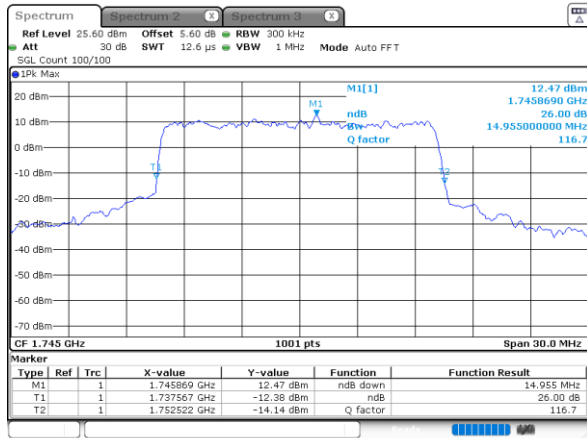
QPSK



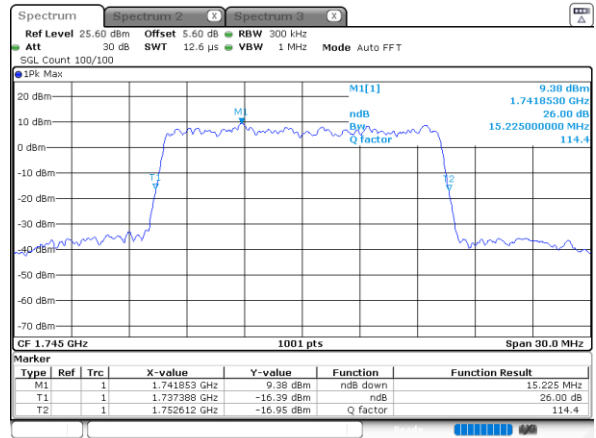
16QAM



64QAM



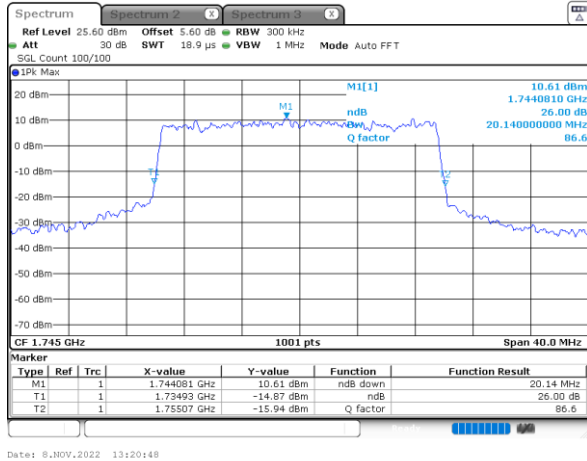
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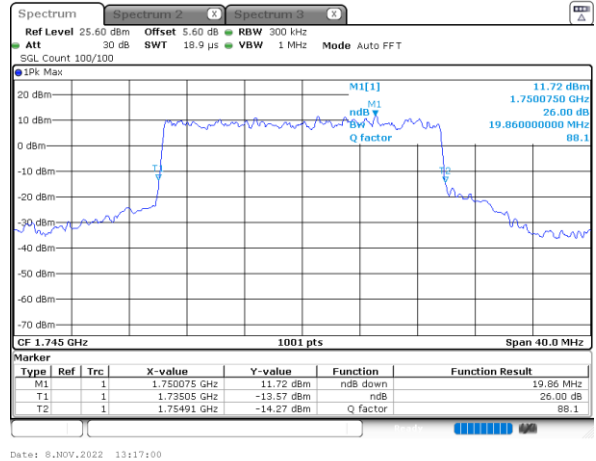


FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

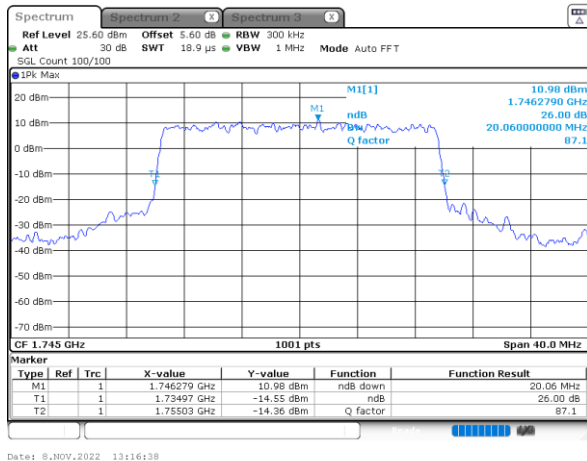
QPSK



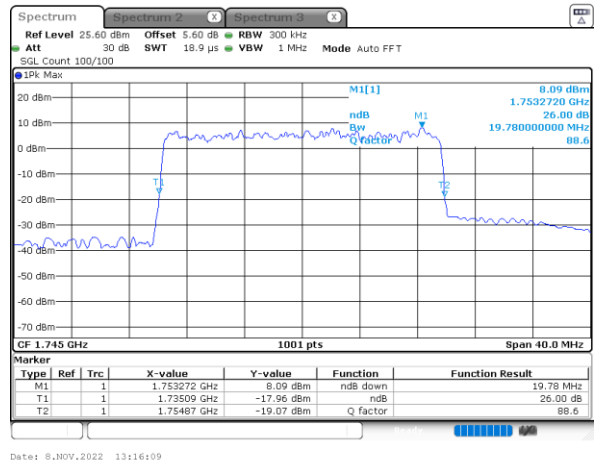
16QAM



64QAM



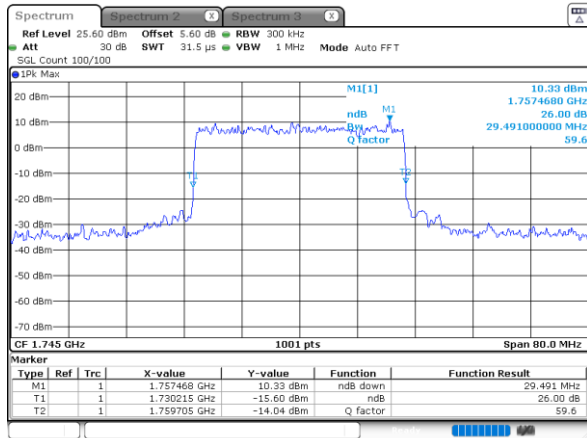
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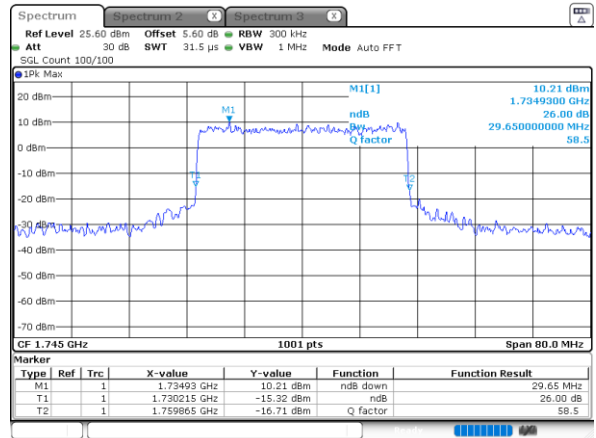


FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

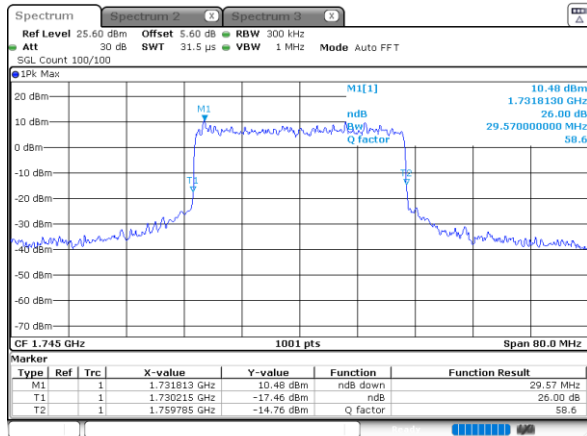
QPSK



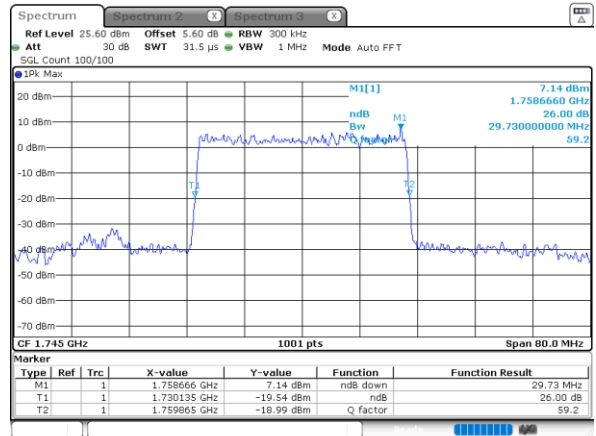
16QAM



64QAM



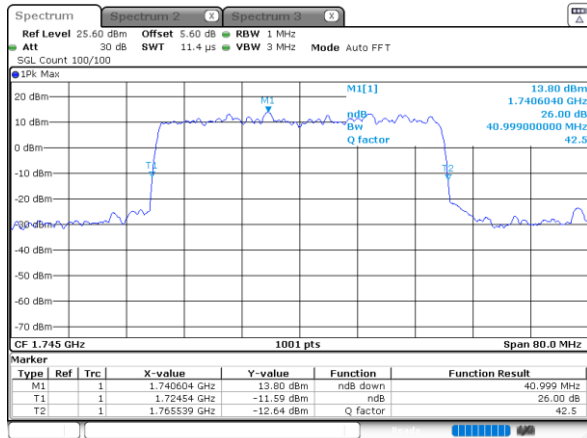
256QAM



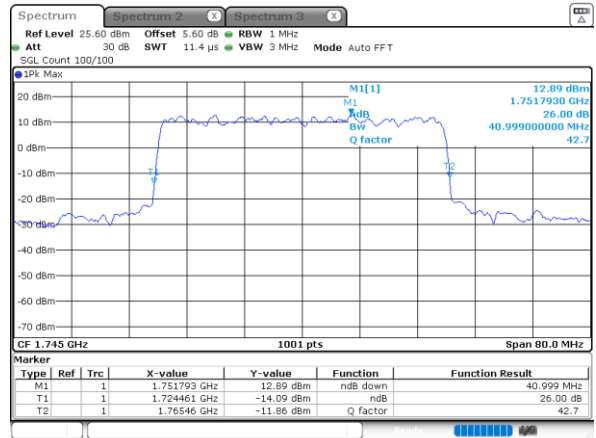


FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

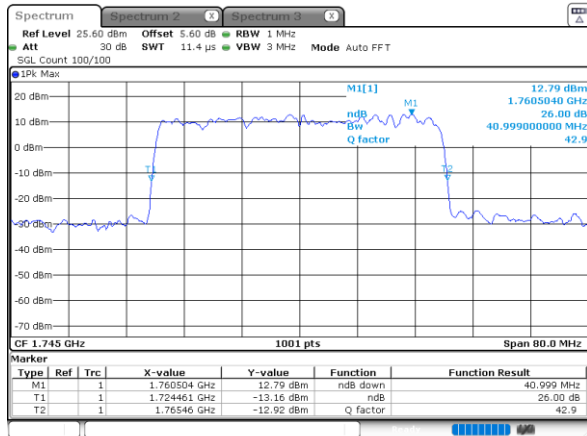
QPSK



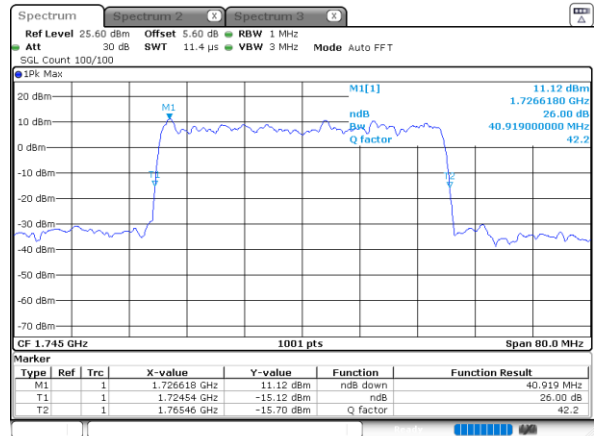
16QAM



64QAM



256QAM



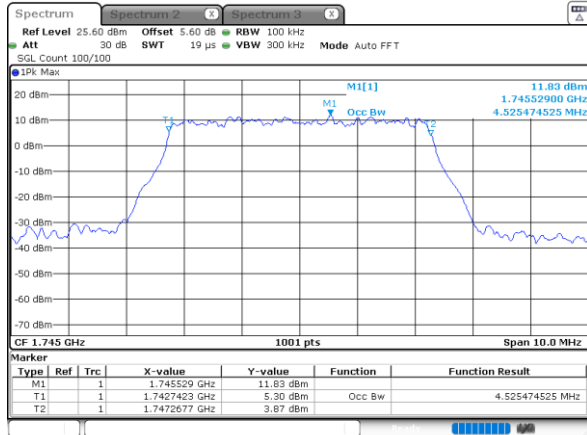
Occupied Bandwidth

Mode	FR1 n66 : 99%OBW (MHz) / CP OFDM					
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Middle CH	4.53	9.39	14.09	18.90	28.53	38.68
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM
Middle CH	4.50	9.31	14.21	18.94	28.61	38.76
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Middle CH	4.49	9.43	14.15	18.98	28.53	38.76
BW	5MHz	10MHz	15MHz	20MHz	30MHz	40MHz
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Middle CH	4.50	9.37	14.18	18.94	28.53	38.60

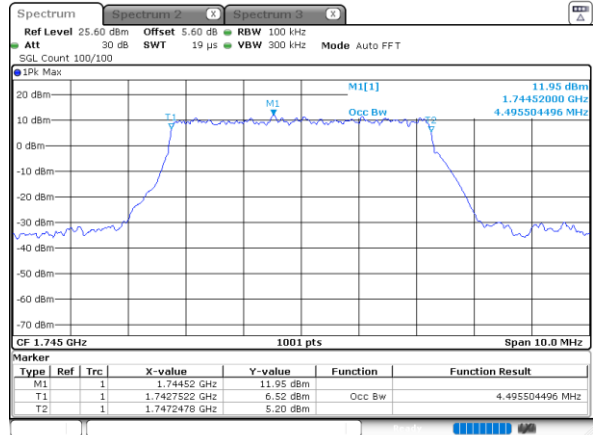


FR1 n66/ 5MHz / CP OFDM / Middle Channel / Full RB

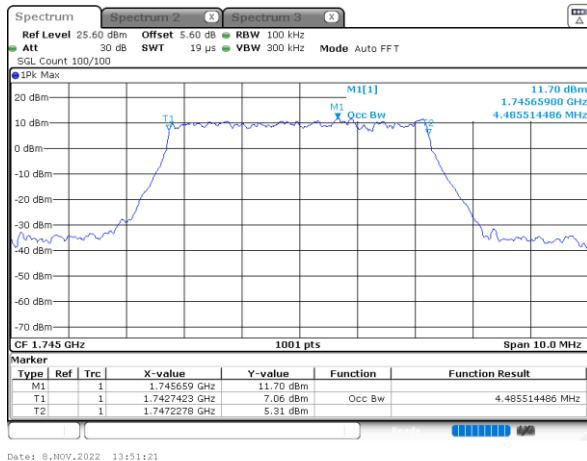
QPSK



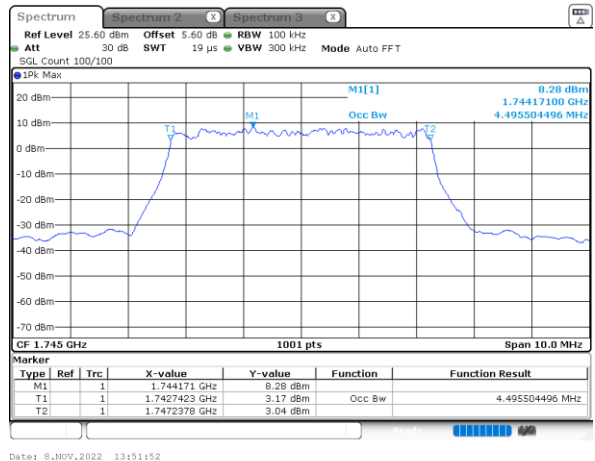
16QAM



64QAM



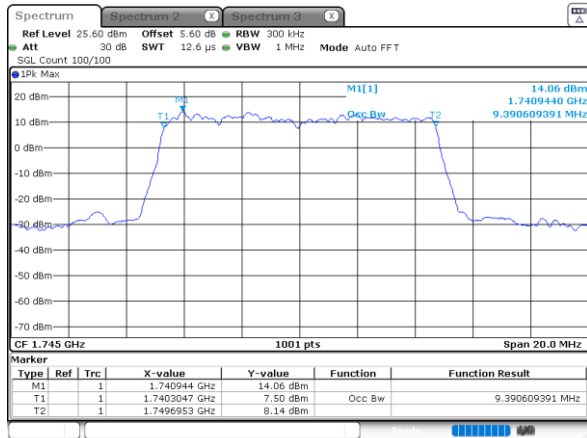
256QAM



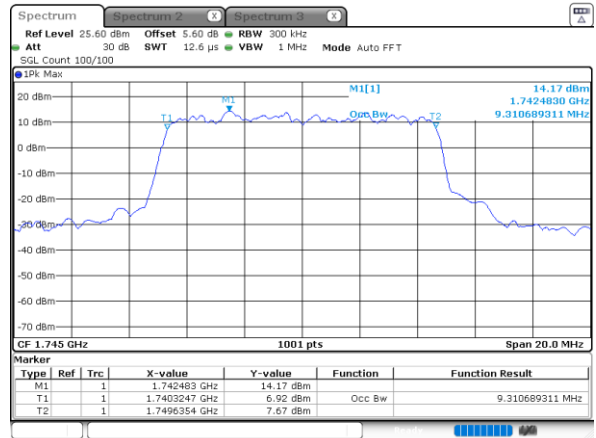


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

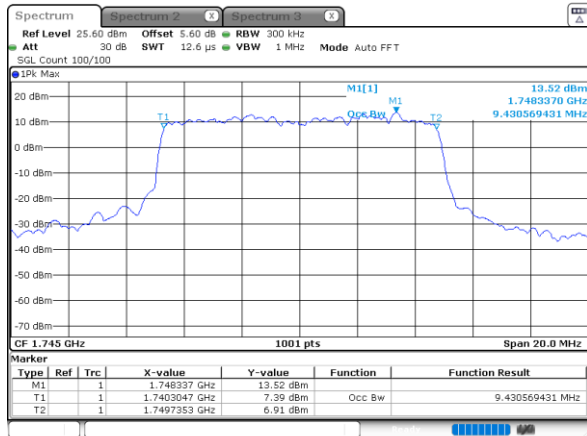
QPSK



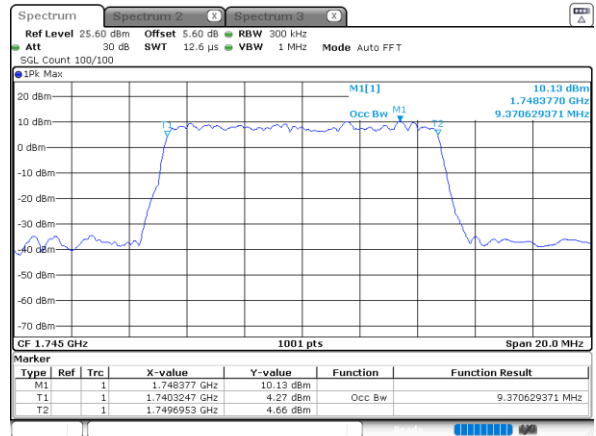
16QAM



64QAM



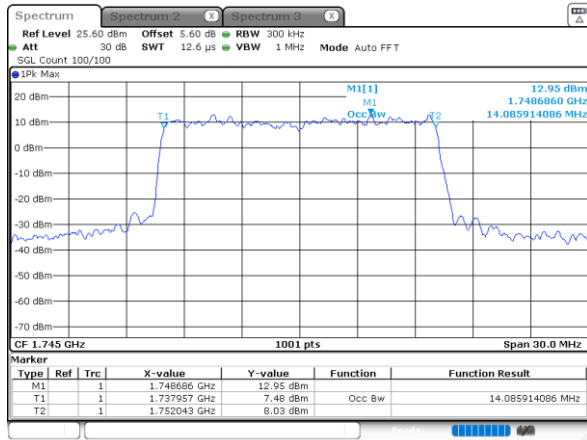
256QAM



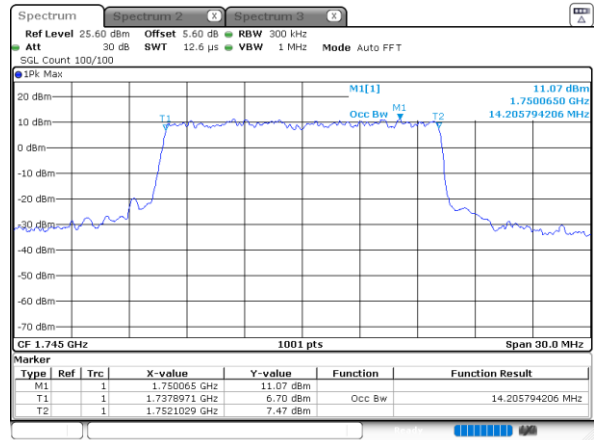


FR1 n66 /15MHz / CP OFDM / Middle Channel / Full RB

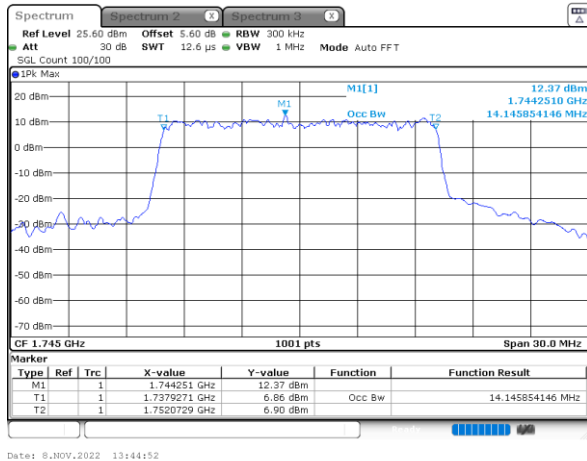
QPSK



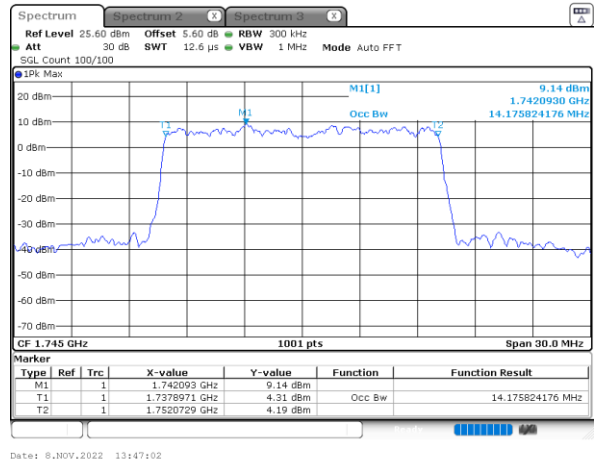
16QAM



64QAM



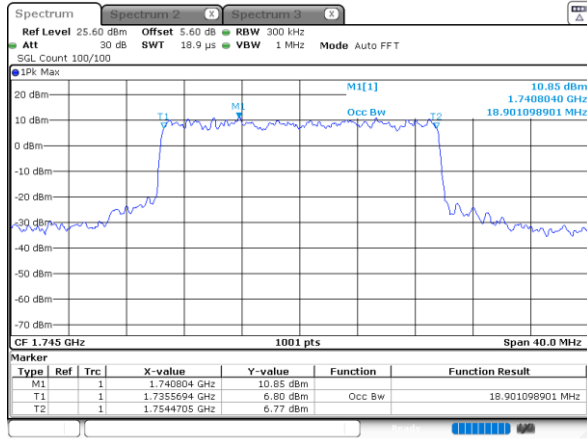
256QAM



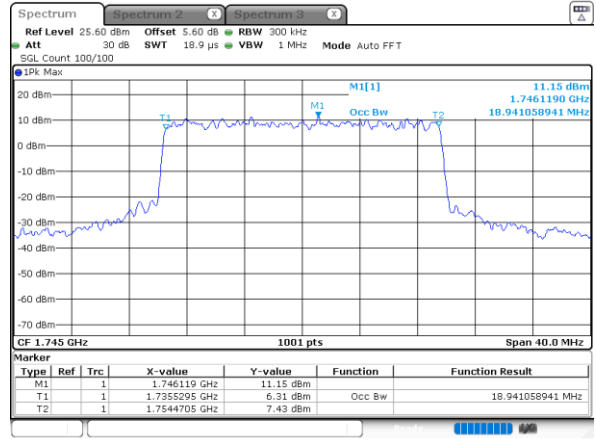


FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

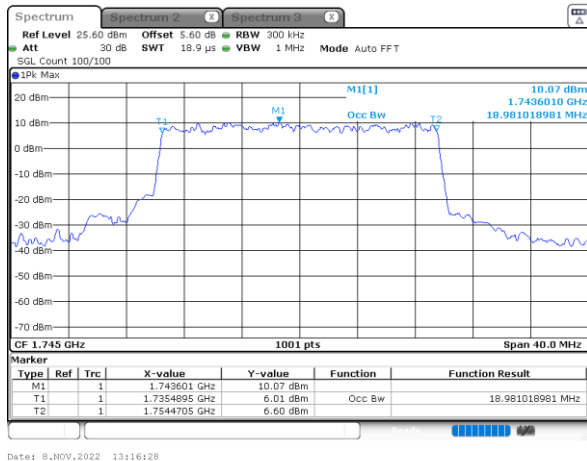
QPSK



16QAM



64QAM



256QAM

