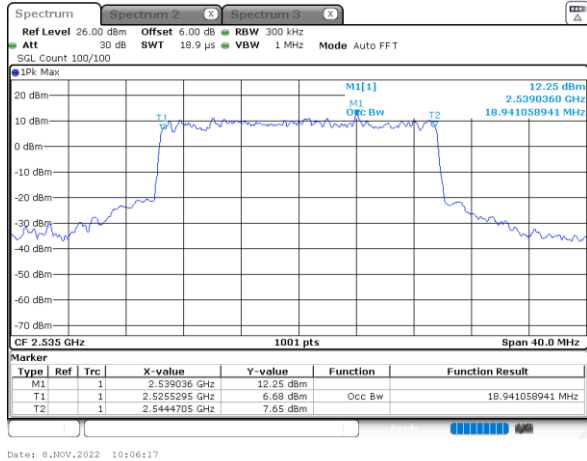


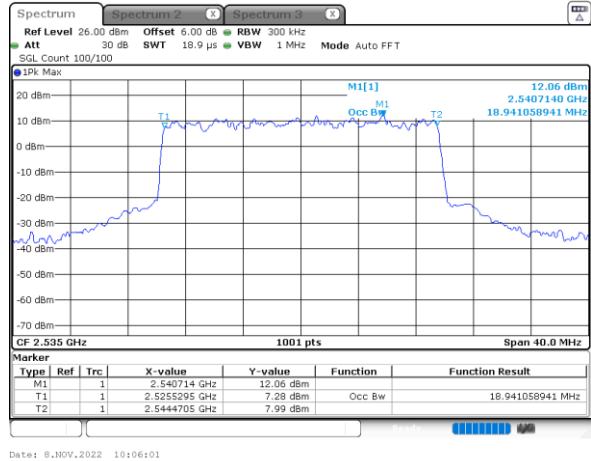


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

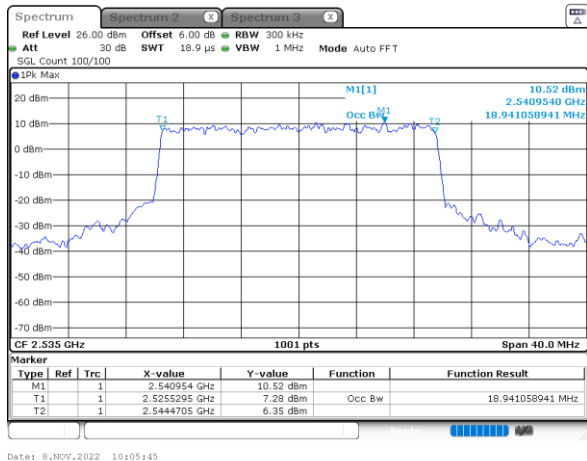
QPSK



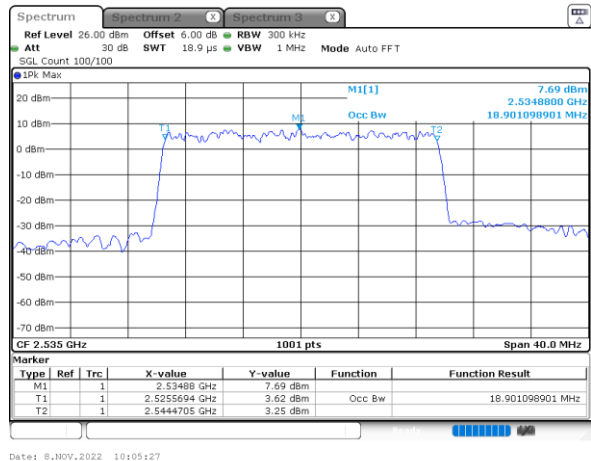
16QAM



64QAM



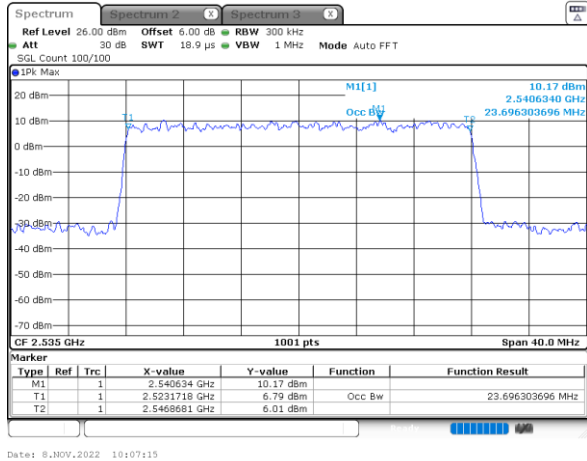
256QAM



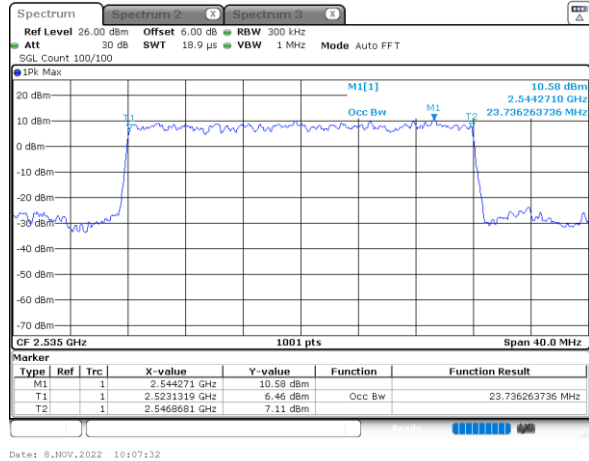


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

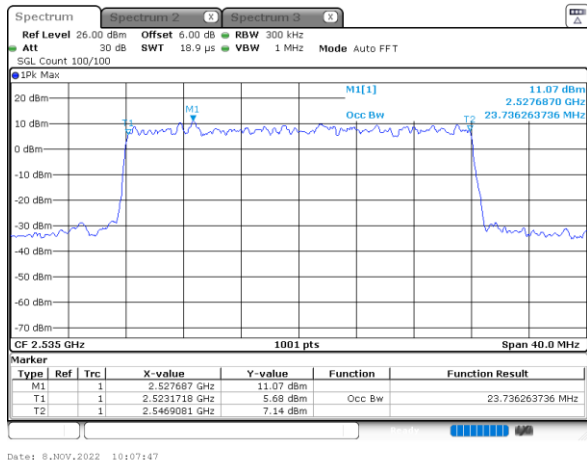
QPSK



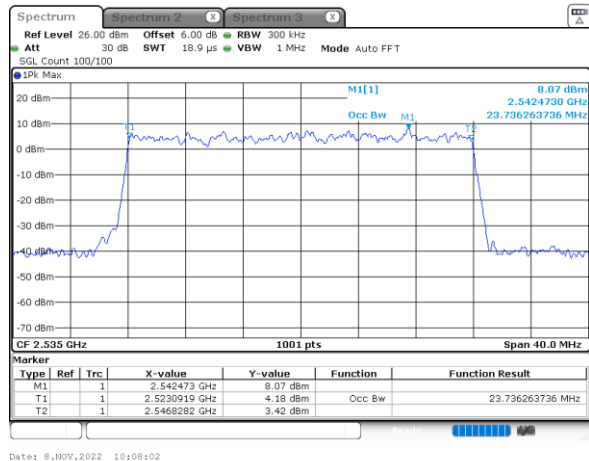
16QAM



64QAM



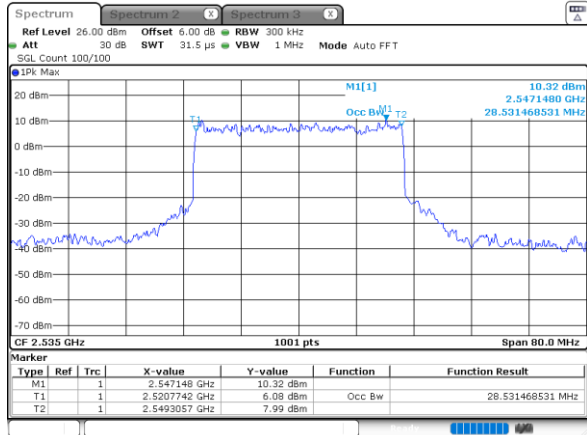
256QAM



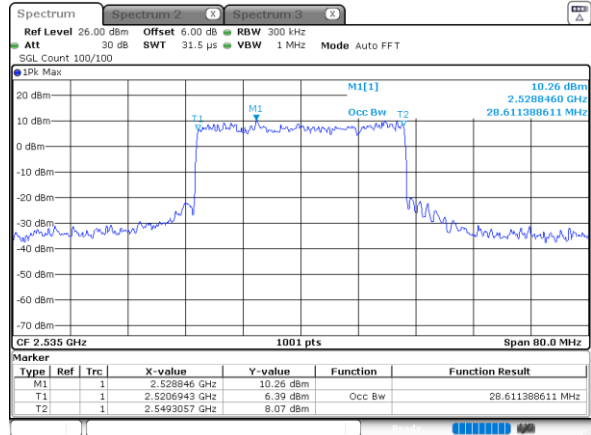


FR1 n7/ 30MHz / CP OFDM / Middle Channel / Full RB

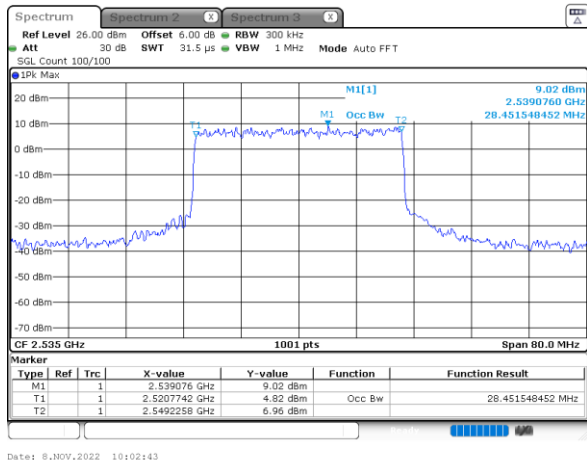
QPSK



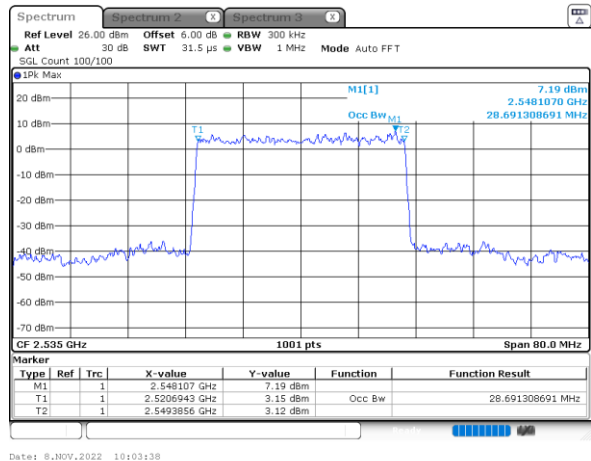
16QAM



64QAM



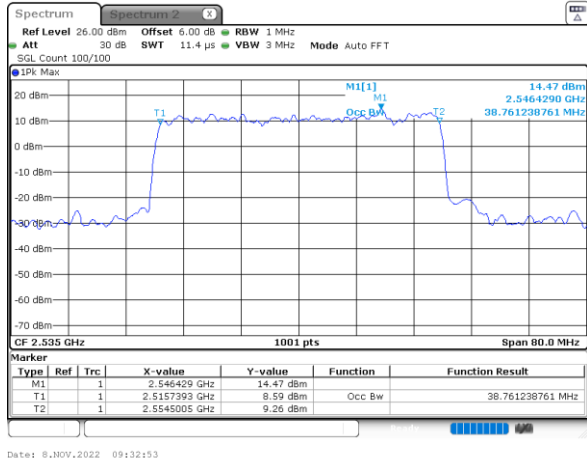
256QAM



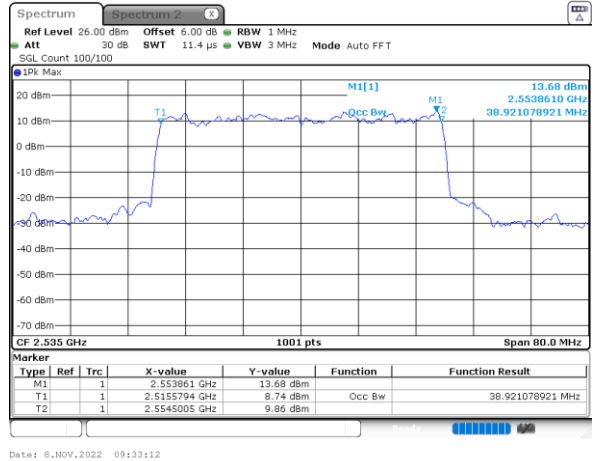


FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

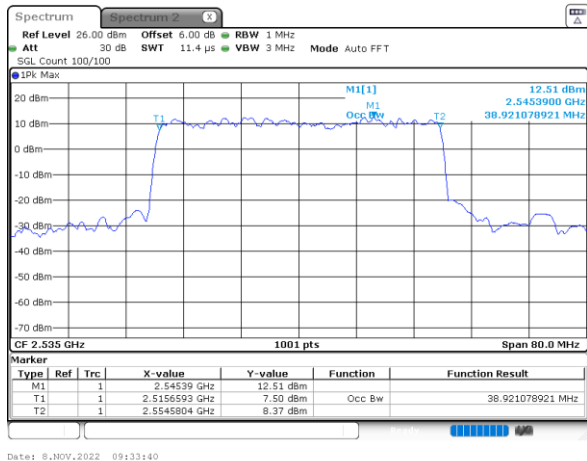
QPSK



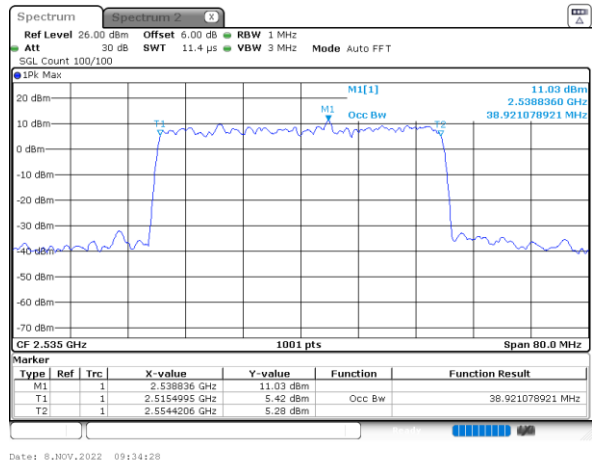
16QAM



64QAM



256QAM

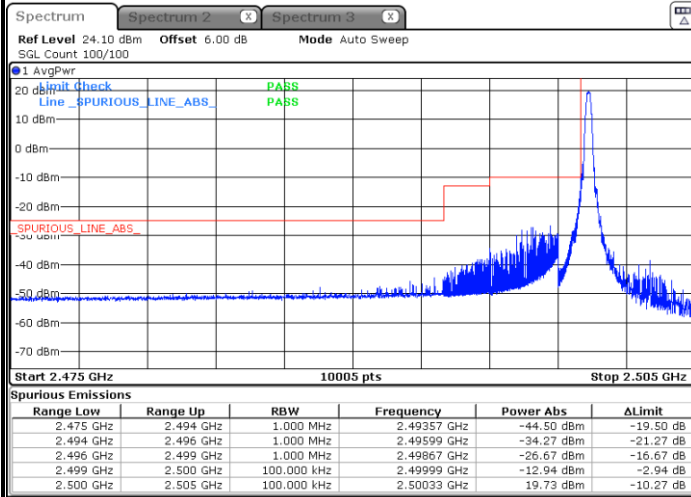




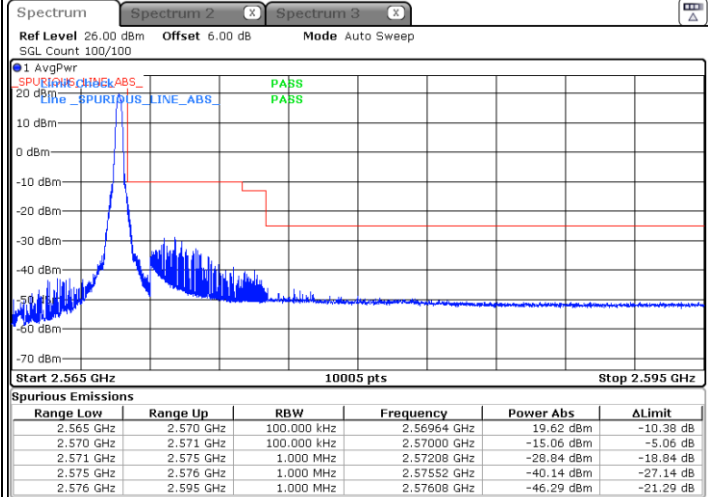
Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

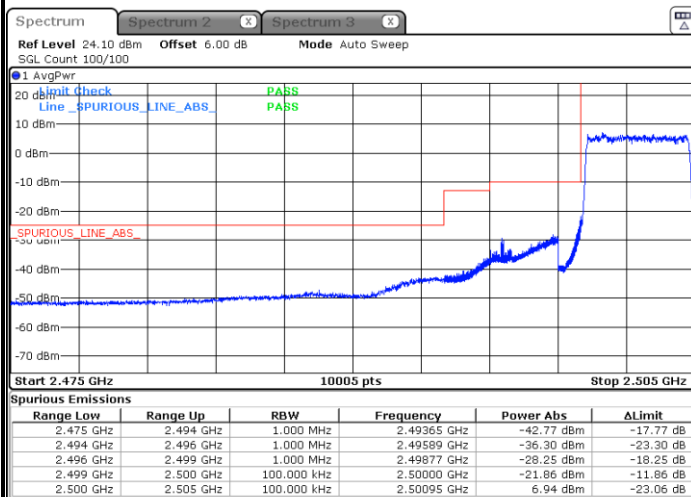
Lowest Band Edge / 1RB0



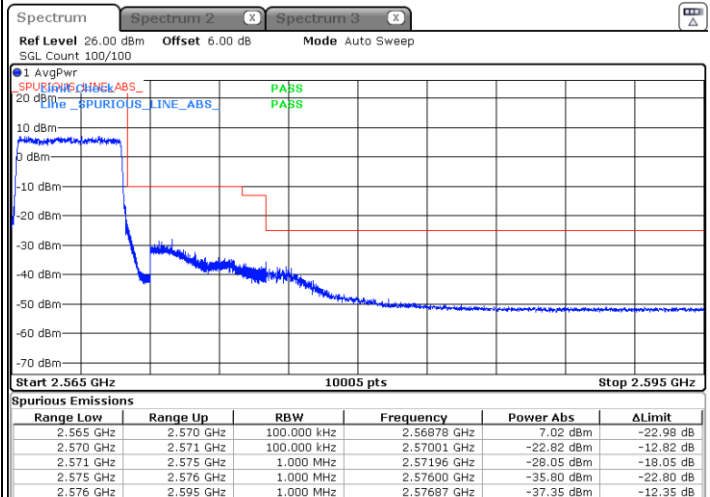
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



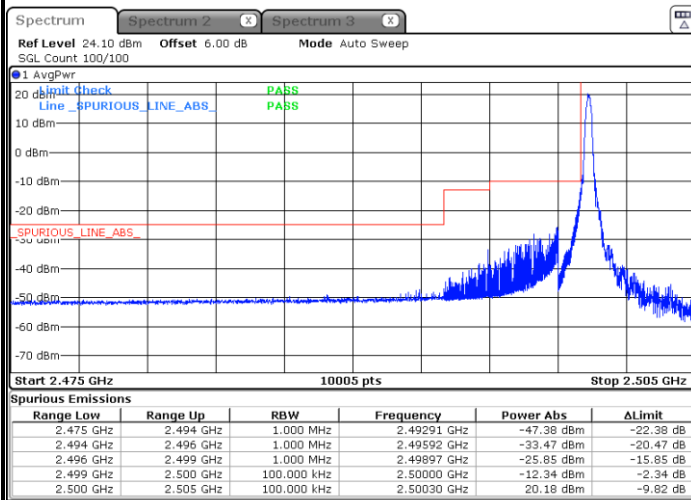
Highest Band Edge / Full RB



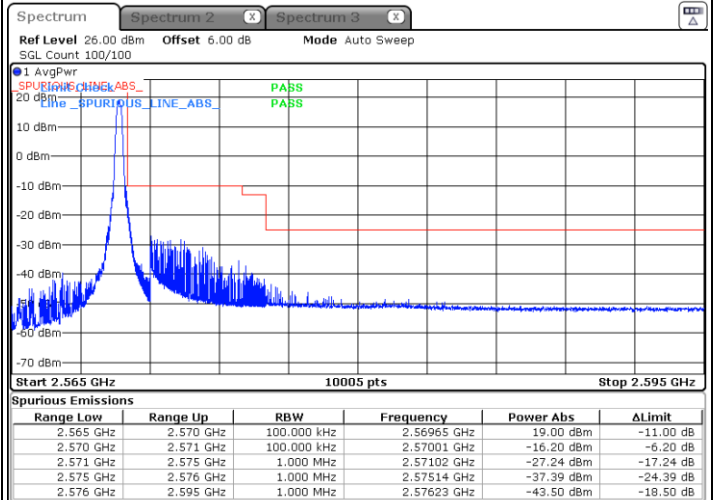


FR1 n7 / 5MHz / DFT-S OFDM / QPSK

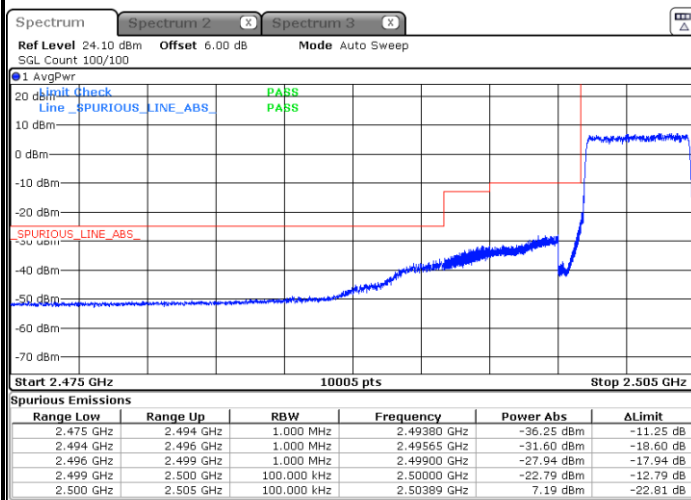
Lowest Band Edge / 1RB0



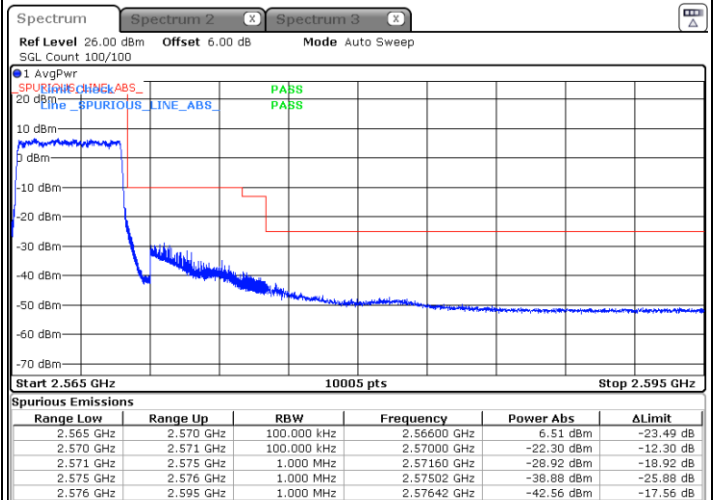
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

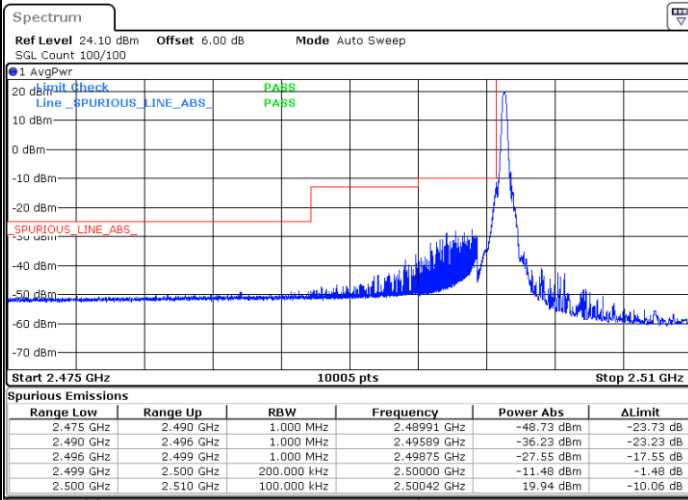




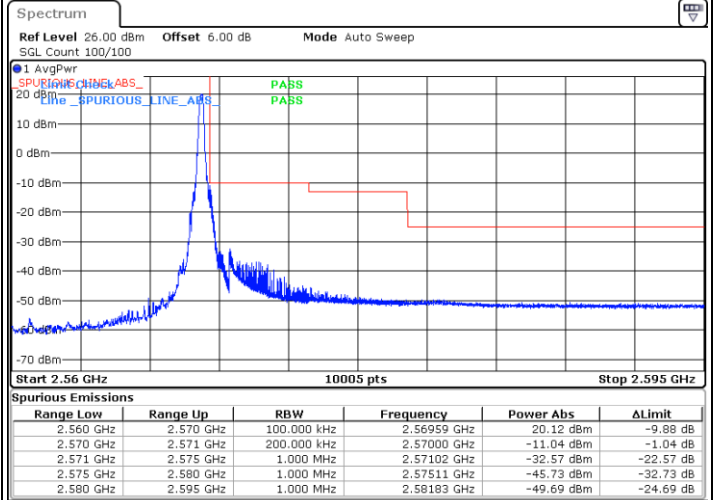
FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



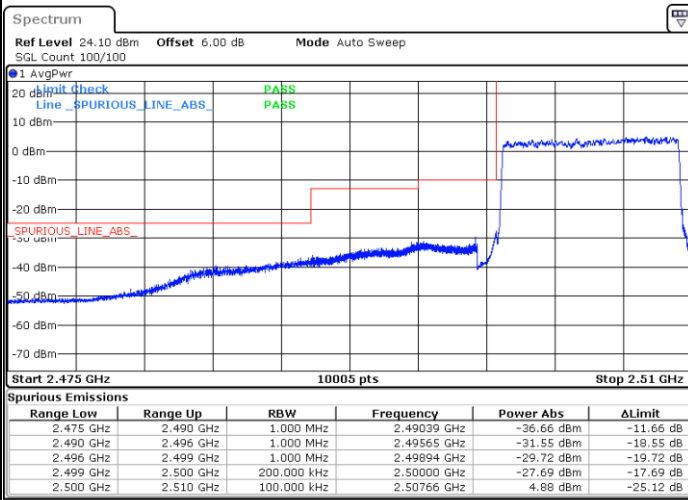
Date: 21.NOV.2022 14:19:28



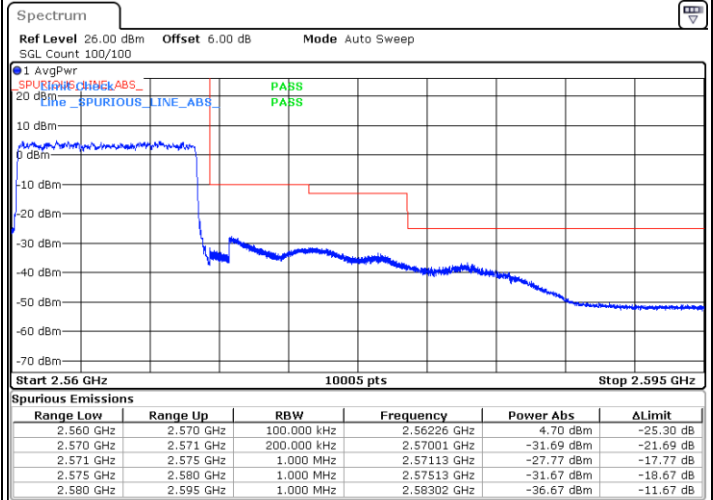
Date: 21.NOV.2022 14:24:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2022 14:22:47



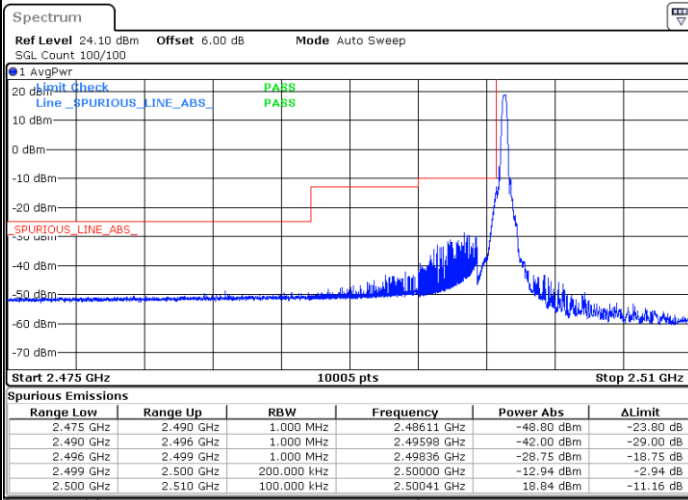
Date: 21.NOV.2022 14:23:39



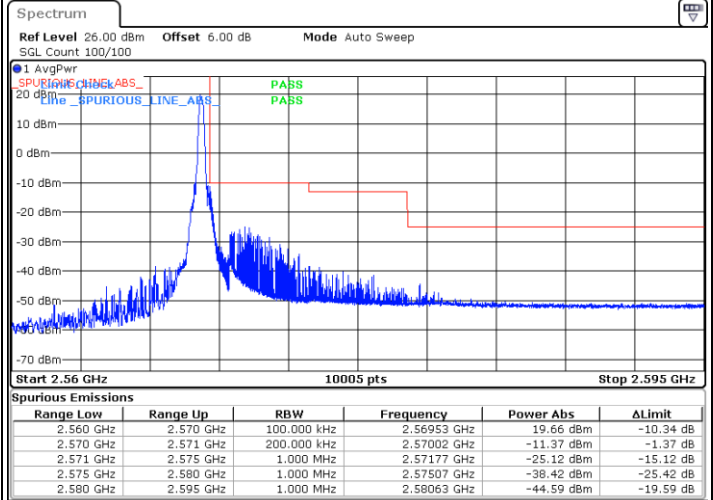
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



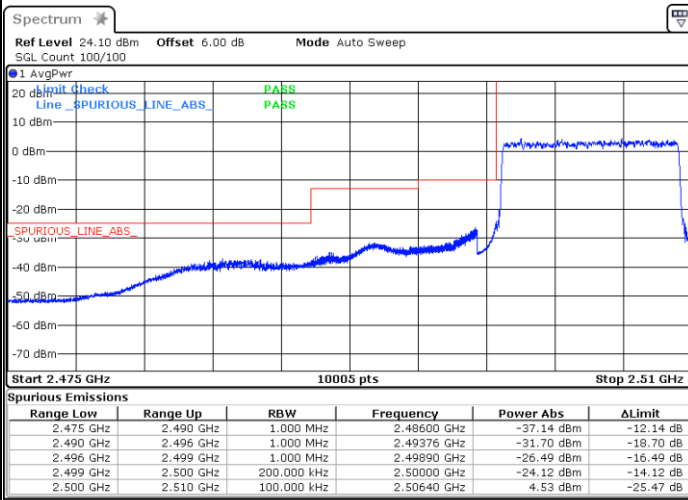
Date: 21.NOV.2022 14:20:41



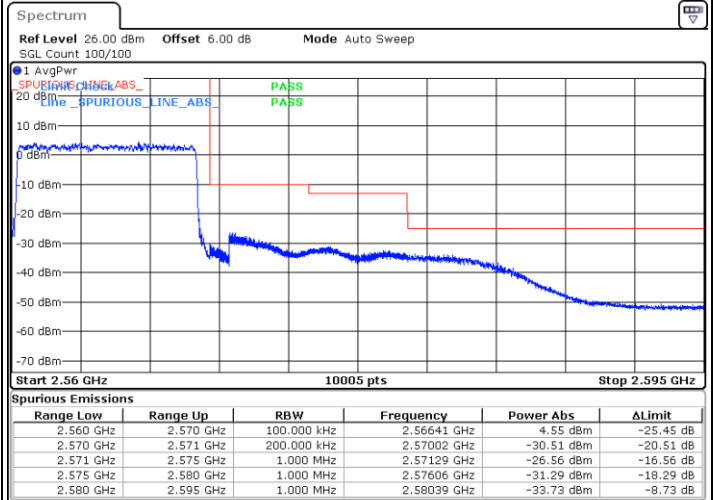
Date: 21.NOV.2022 14:24:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2022 14:21:50



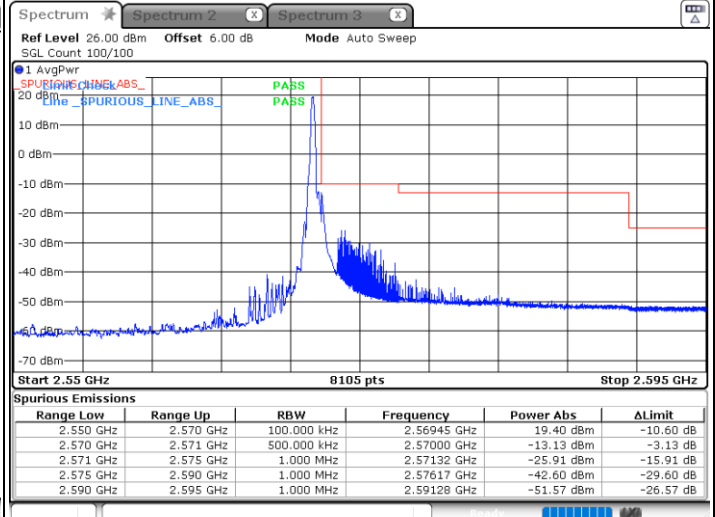
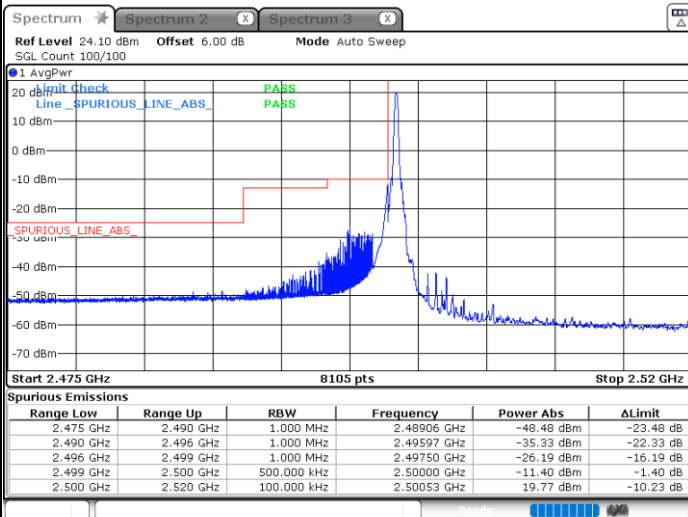
Date: 21.NOV.2022 14:23:55



FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

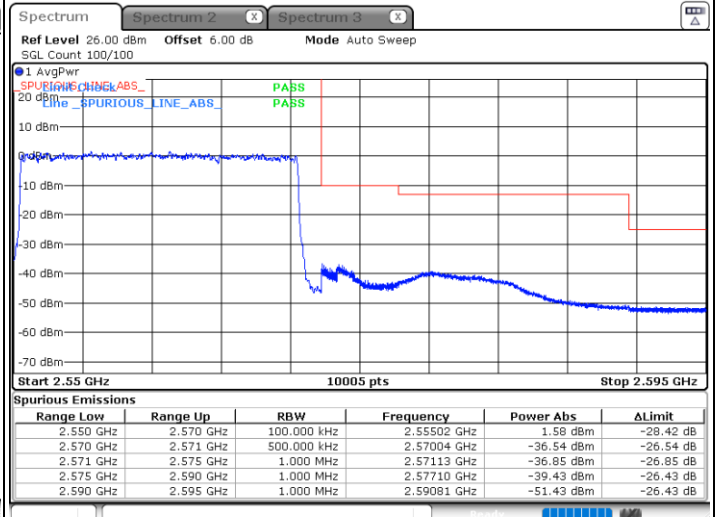
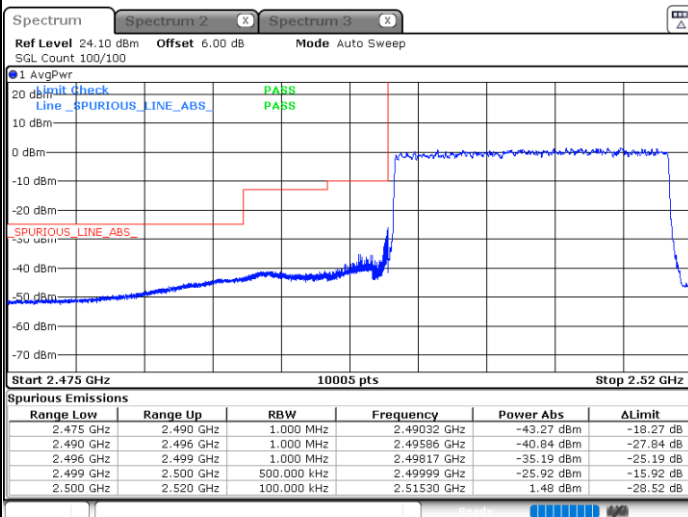
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

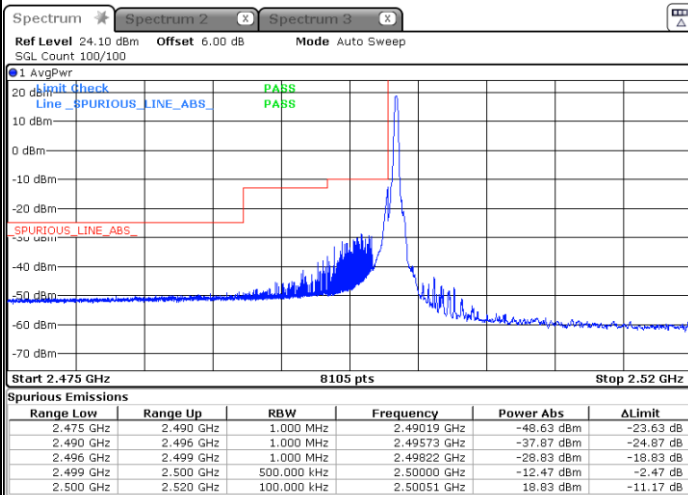




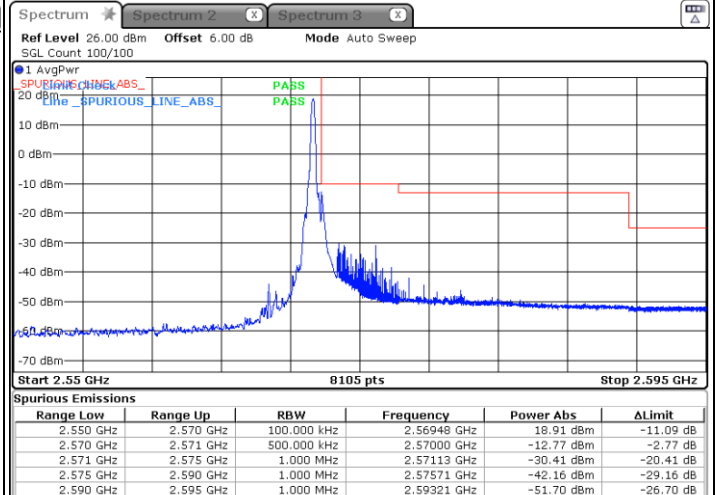
FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



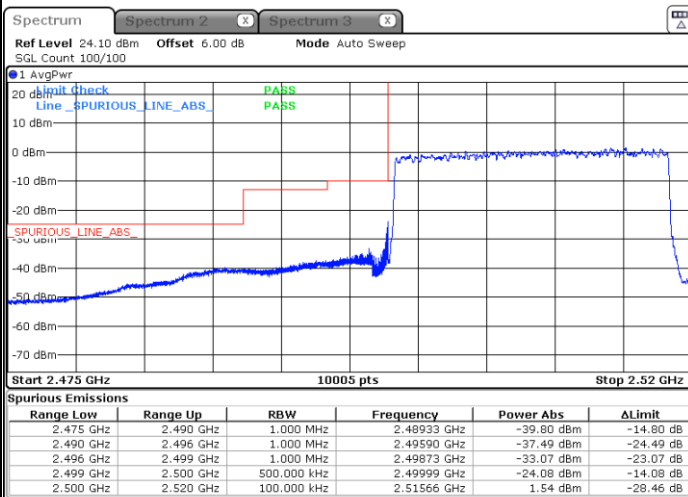
Date: 8.NOV.2022 10:35:27



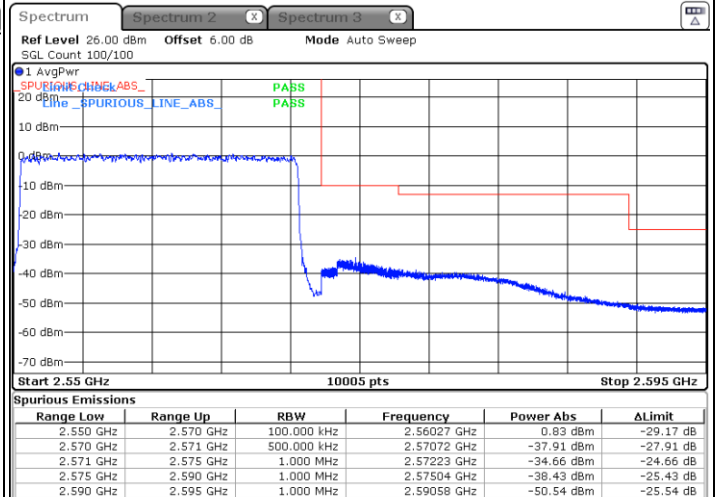
Date: 8.NOV.2022 10:27:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 10:36:08



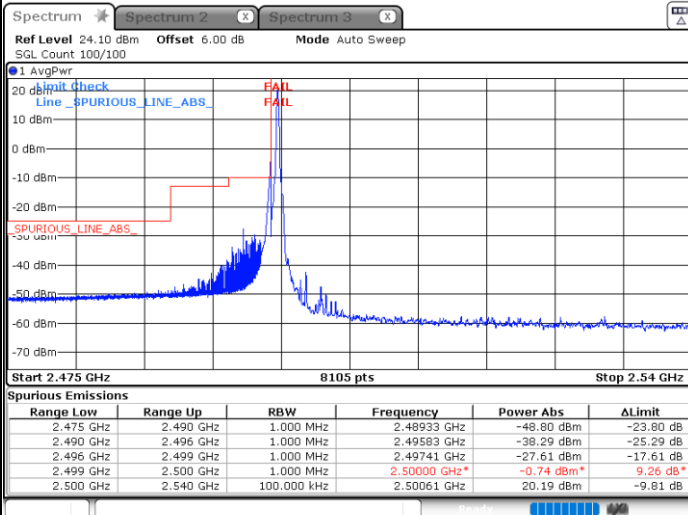
Date: 8.NOV.2022 10:24:24



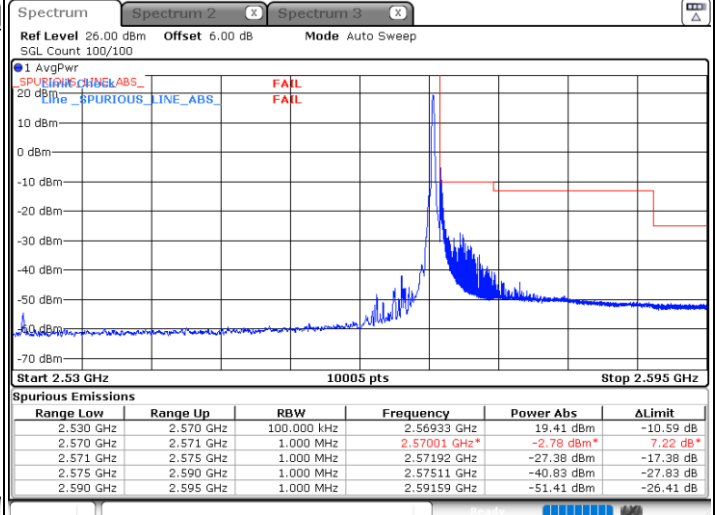
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

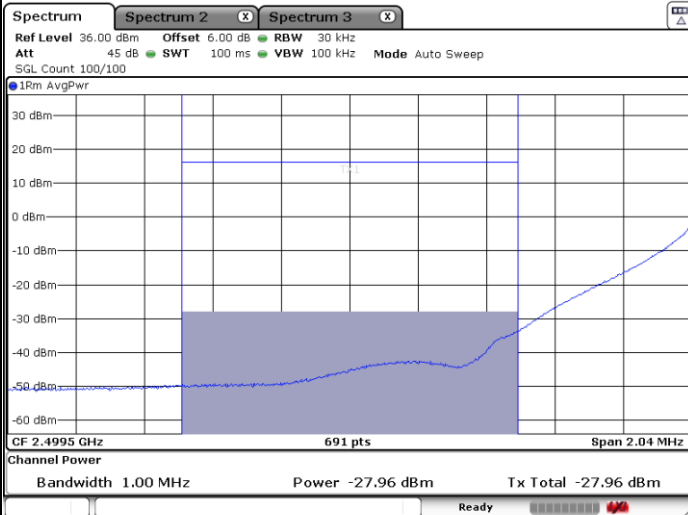
Highest Band Edge / 1RBmax



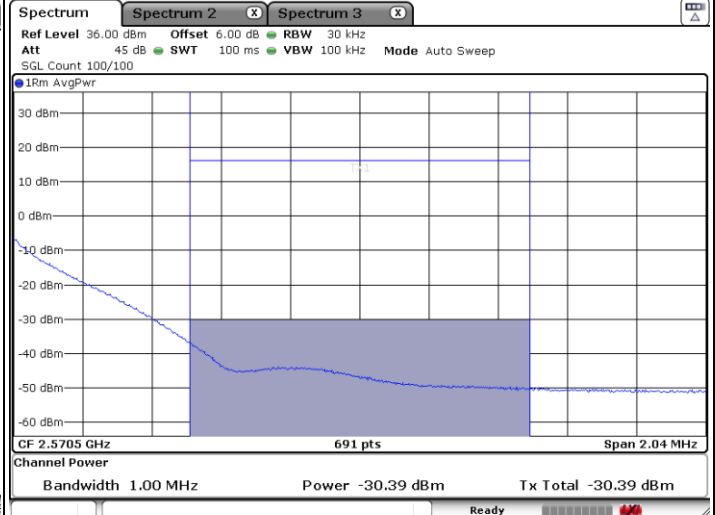
Date: 8.NOV.2022 09:48:19



Date: 8.NOV.2022 09:58:15



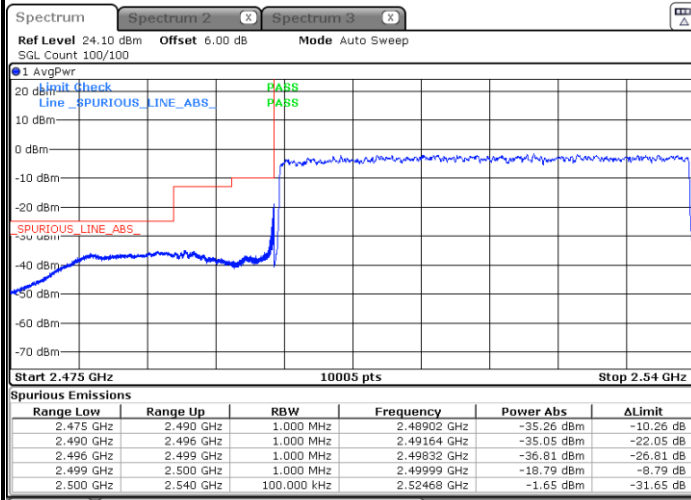
Date: 8.NOV.2022 11:07:23



Date: 8.NOV.2022 11:09:12

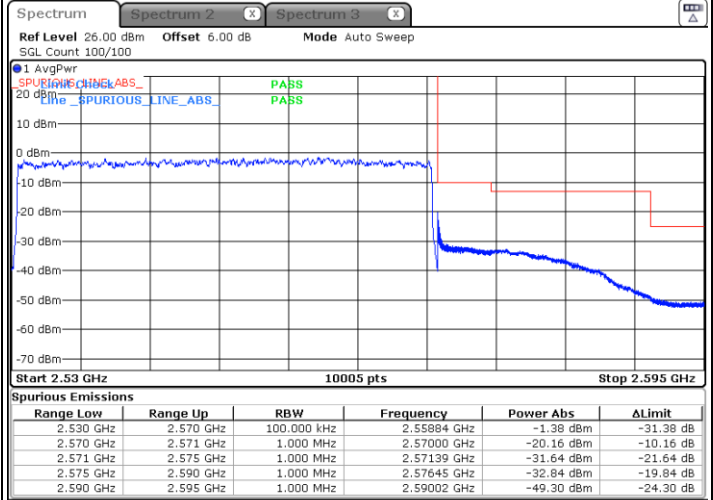


Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:52:23

Highest Band Edge / Full RB



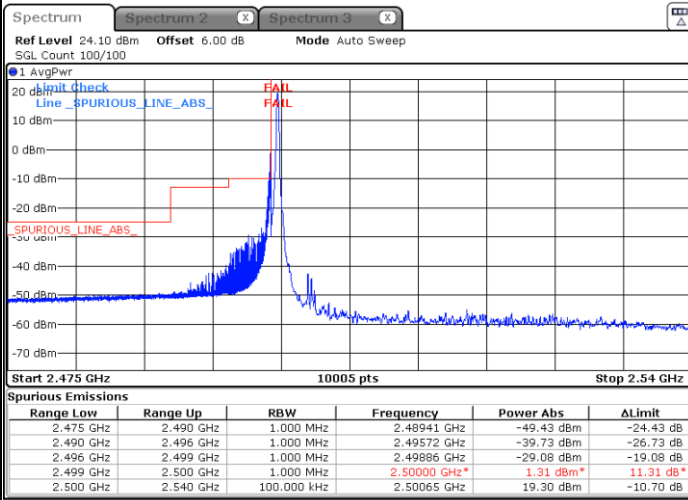
Date: 8.NOV.2022 09:54:09



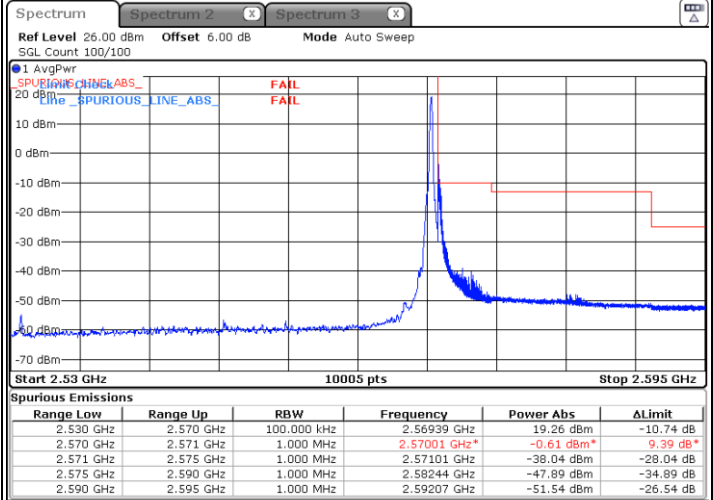
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

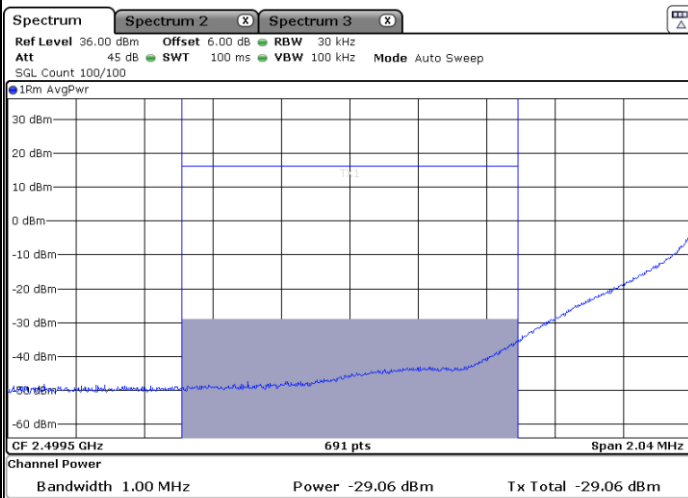
Highest Band Edge / 1RBmax



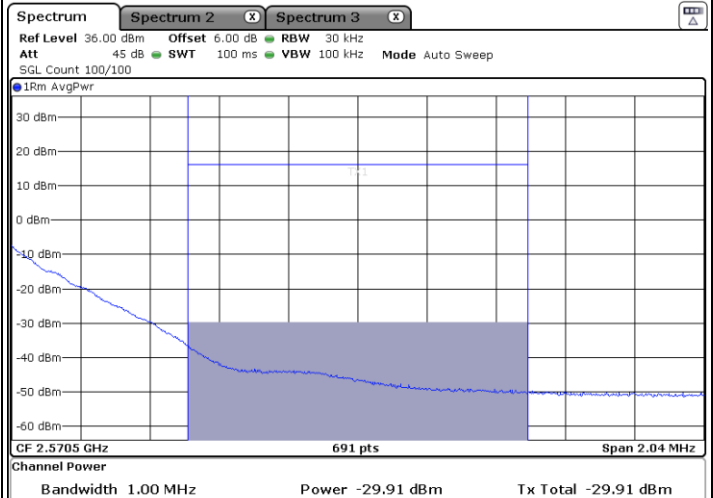
Date: 8.NOV.2022 09:49:57



Date: 8.NOV.2022 09:57:29



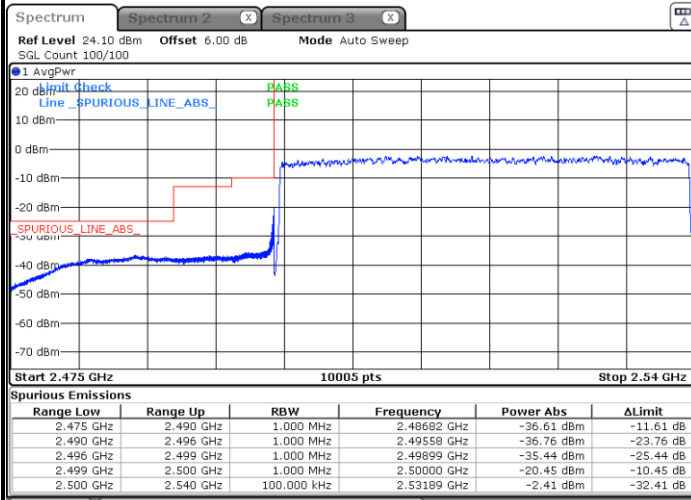
Date: 8.NOV.2022 11:07:52



Date: 8.NOV.2022 11:08:42

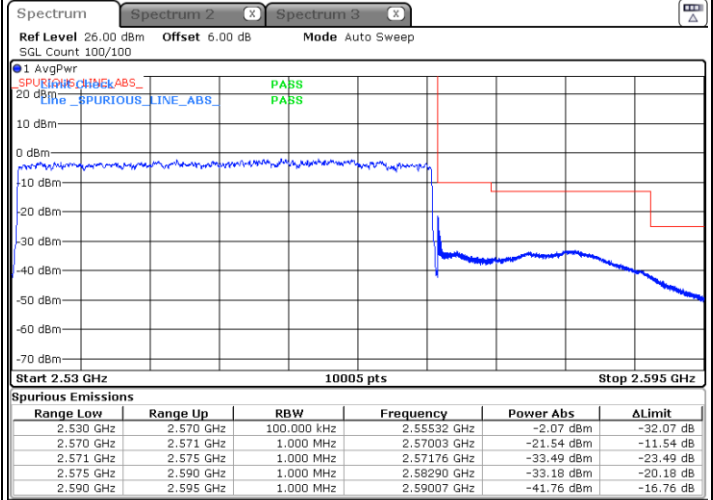


Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:51:09

Highest Band Edge / Full RB



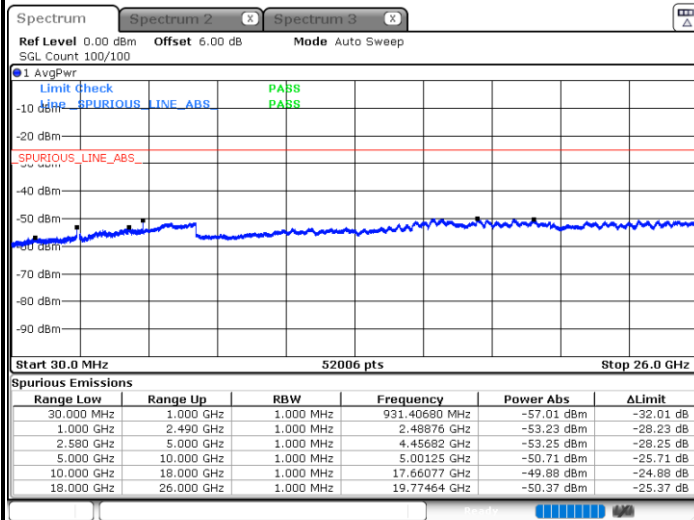
Date: 8.NOV.2022 09:55:14



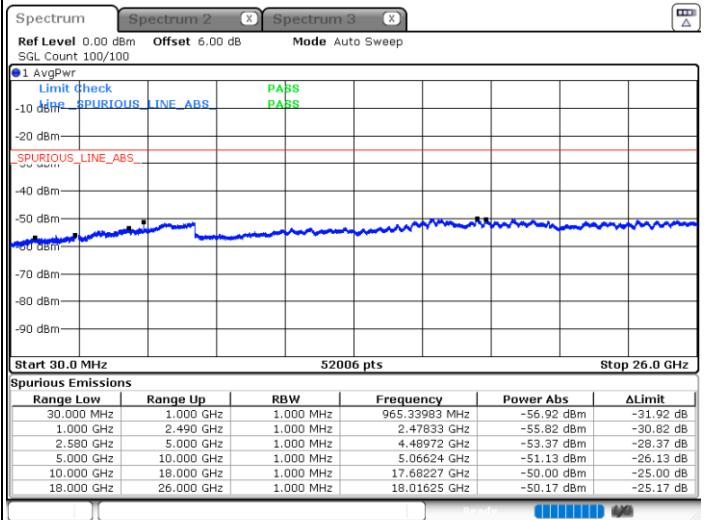
Conducted Spurious Emission

FR1 n7 / 5MHz / DFT-S OFDM / BPSK

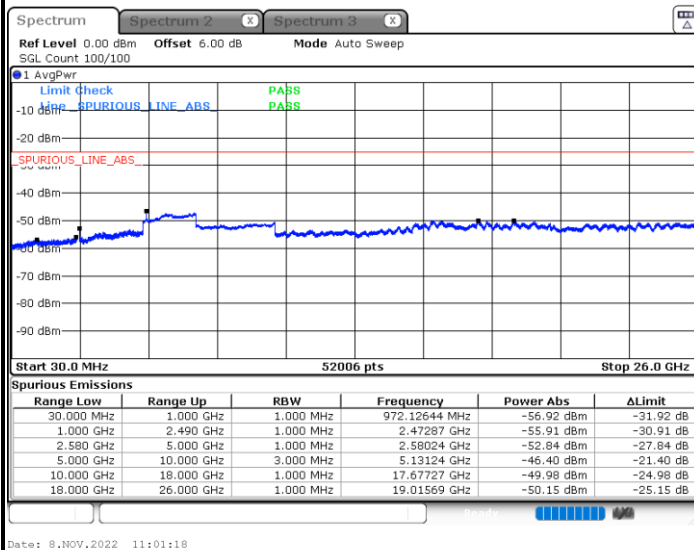
Lowest Channel / 1RB1



Middle Channel / 1RB1



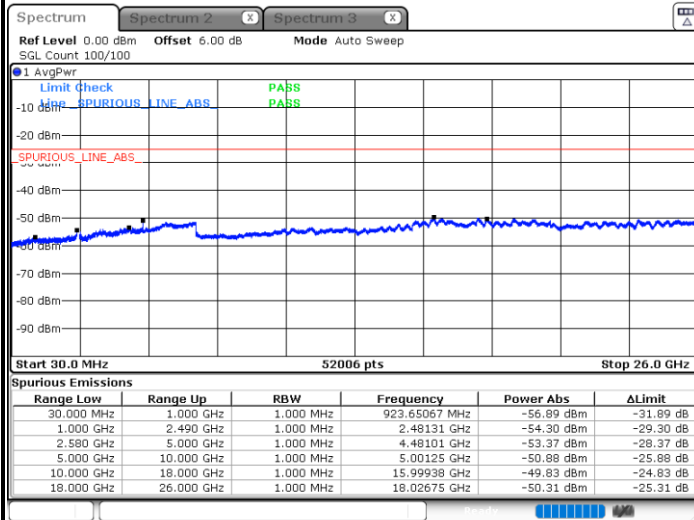
Highest Channel / 1RB1





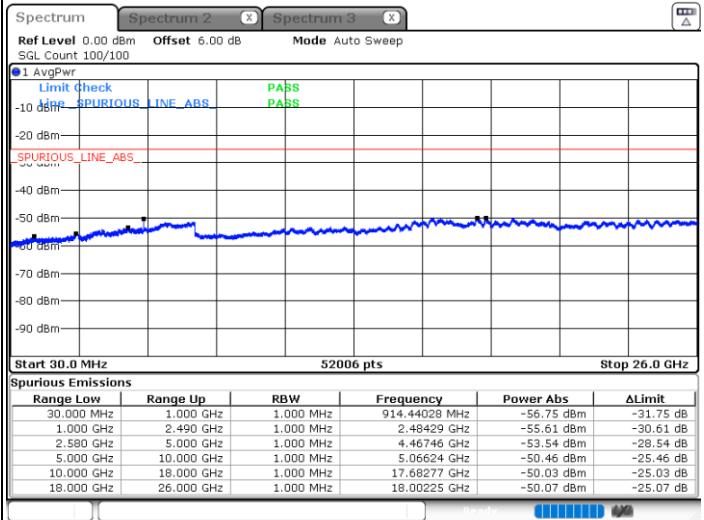
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



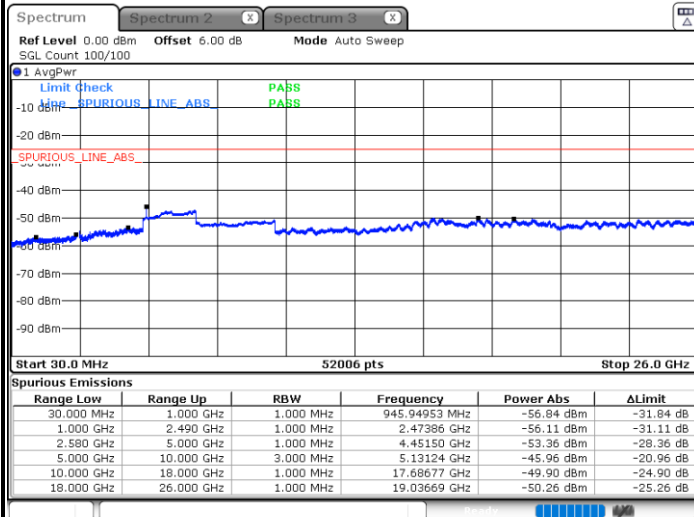
Date: 8.NOV.2022 10:51:45

Middle Channel / 1RB1



Date: 8.NOV.2022 10:49:45

Highest Channel / 1RB1

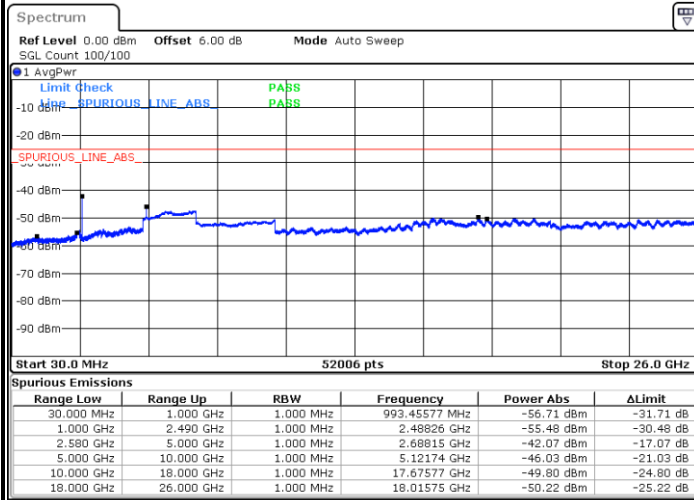


Date: 8.NOV.2022 11:02:30



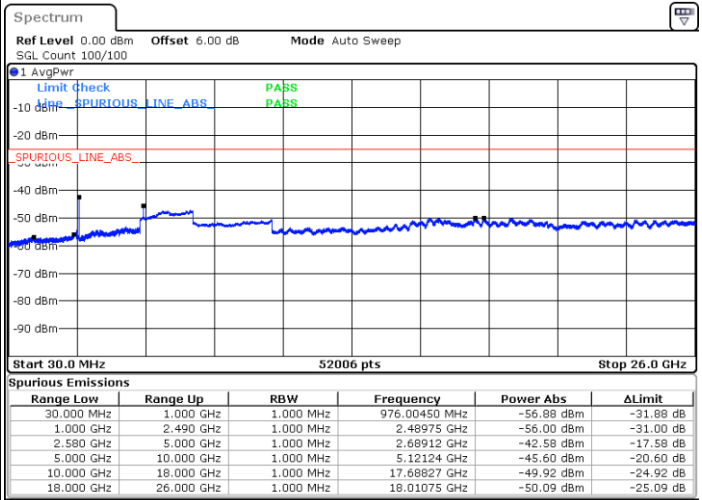
FR1 n7 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



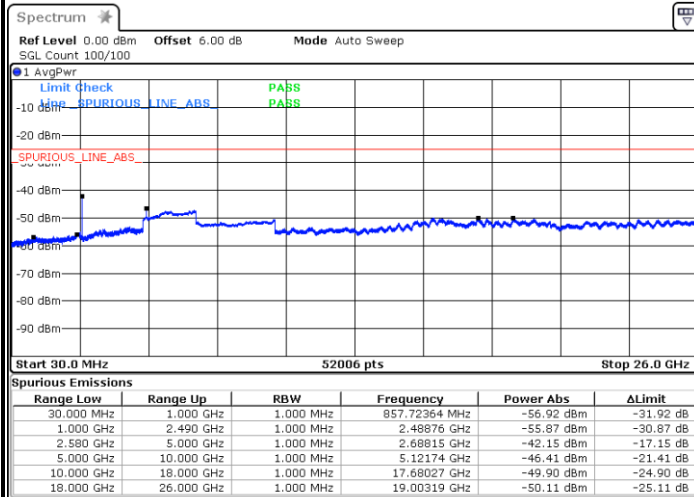
Date: 21.NOV.2022 14:32:24

Middle Channel / 1RB1



Date: 21.NOV.2022 14:31:14

Highest Channel / 1RB1

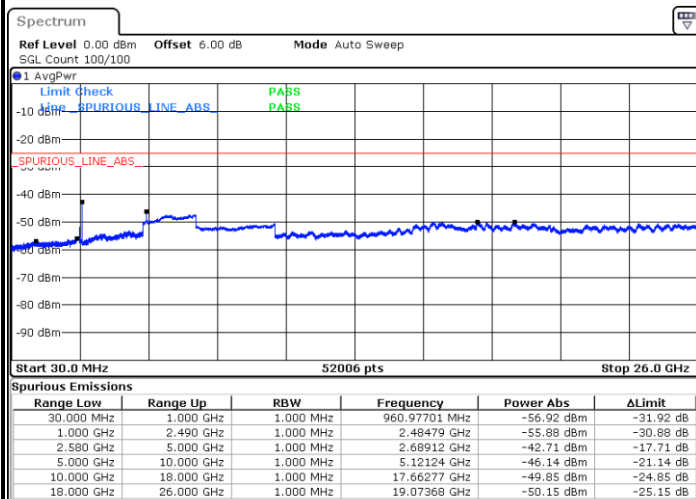


Date: 21.NOV.2022 14:26:54



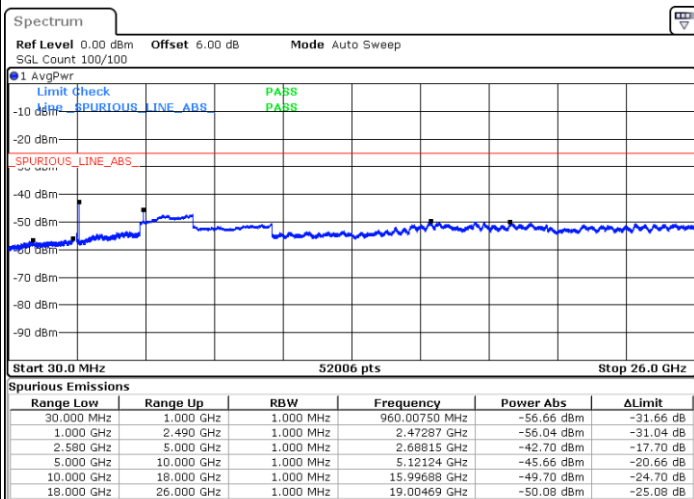
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



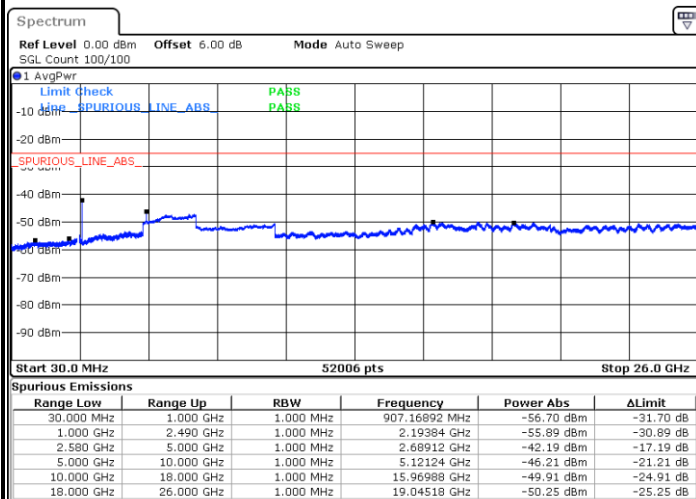
Date: 21.NOV.2022 14:33:50

Middle Channel / 1RB1



Date: 21.NOV.2022 14:30:23

Highest Channel / 1RB1

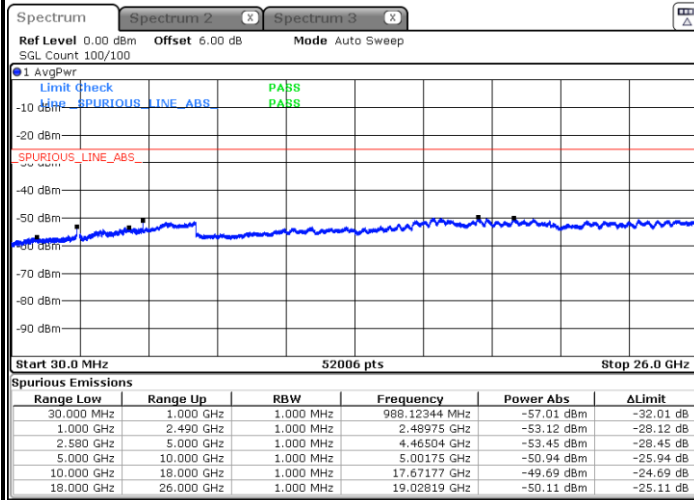


Date: 21.NOV.2022 14:28:46



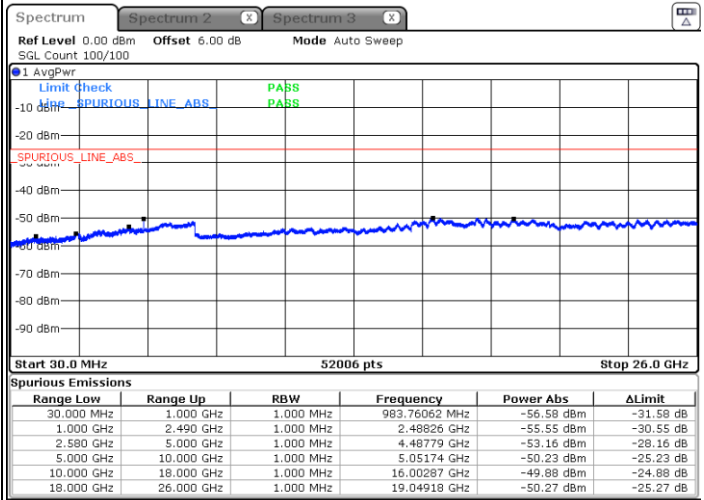
FR1 n7 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



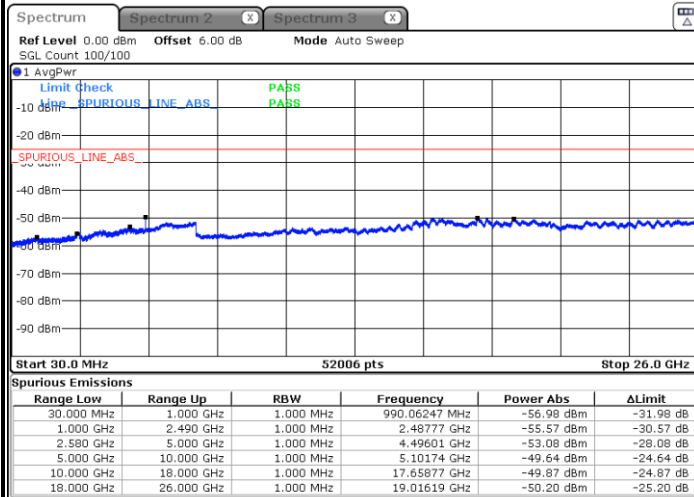
Date: 8.NOV.2022 10:20:00

Middle Channel / 1RB1



Date: 8.NOV.2022 10:09:59

Highest Channel / 1RB1

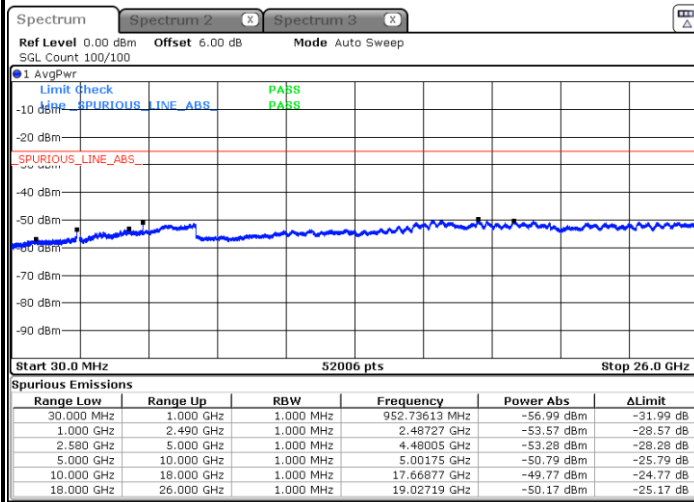


Date: 8.NOV.2022 10:21:47



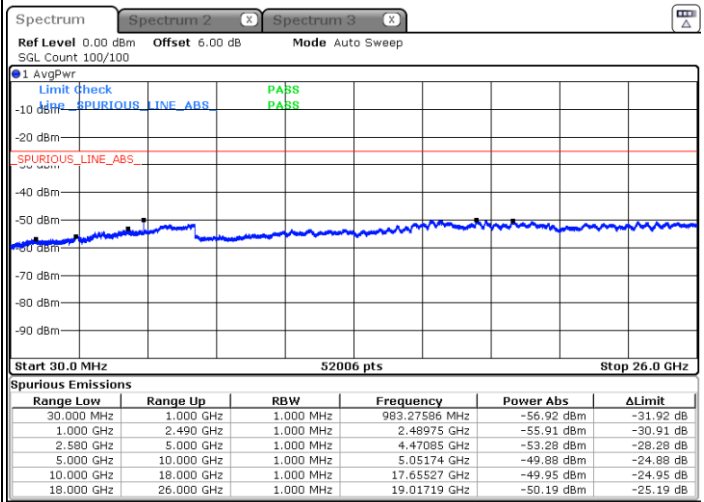
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



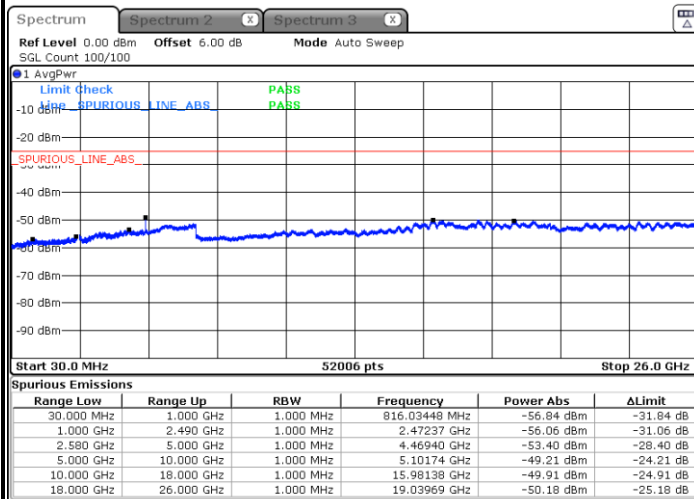
Date: 8.NOV.2022 10:15:08

Middle Channel / 1RB1



Date: 8.NOV.2022 10:13:49

Highest Channel / 1RB1

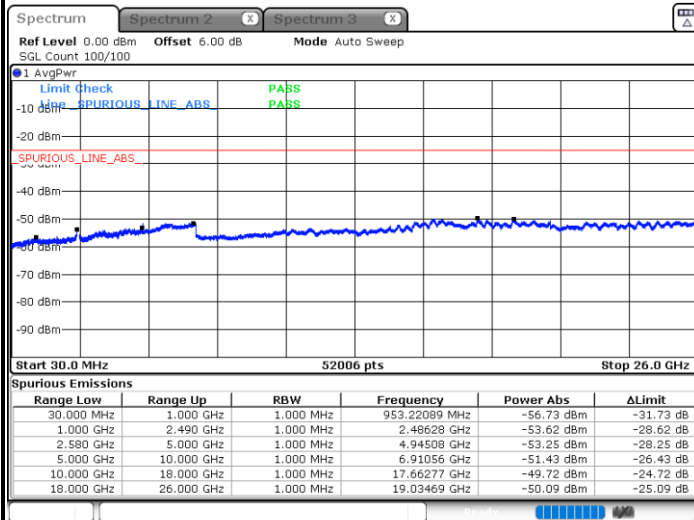


Date: 8.NOV.2022 10:23:08



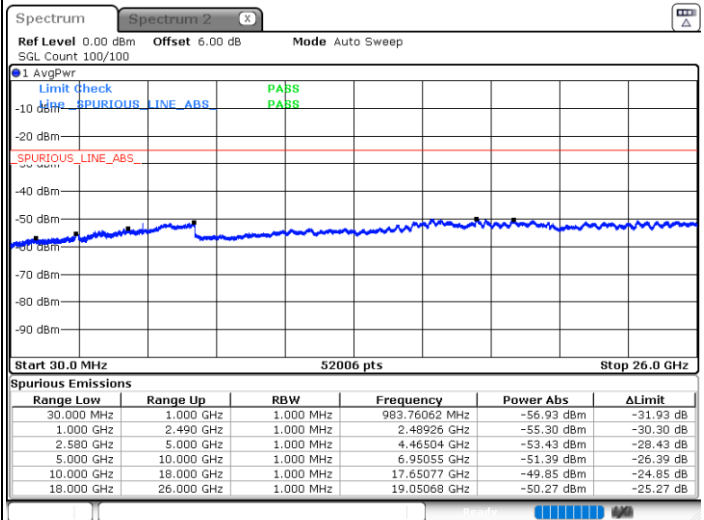
FR1 n7 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



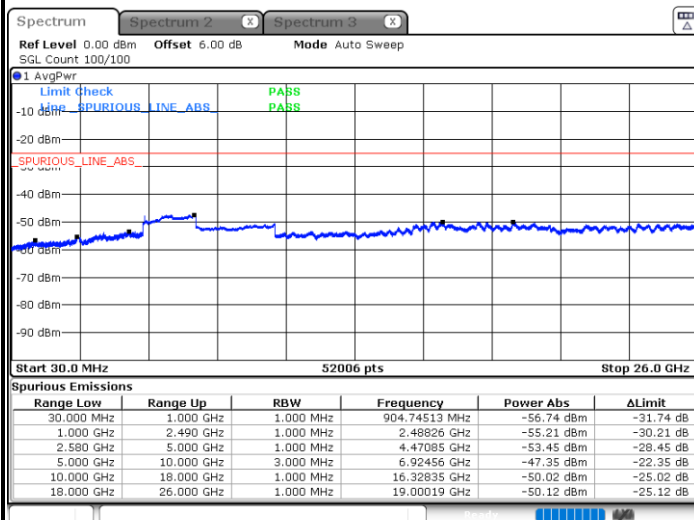
Date: 8.NOV.2022 09:43:58

Middle Channel / 1RB1



Date: 8.NOV.2022 09:29:37

Highest Channel / 1RB1

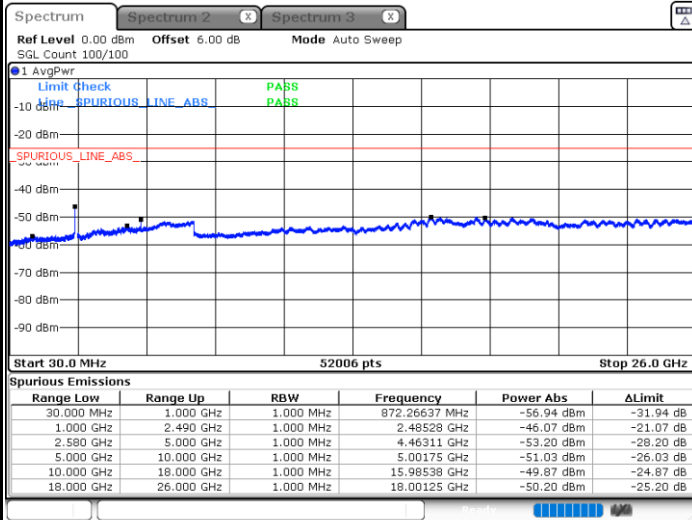


Date: 8.NOV.2022 09:59:18

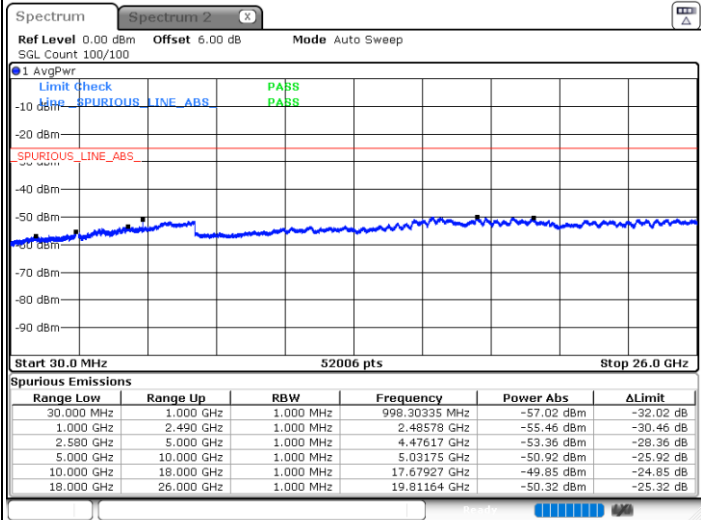


FR1 n7 / 40MHz / DFT-S OFDM / QPSK

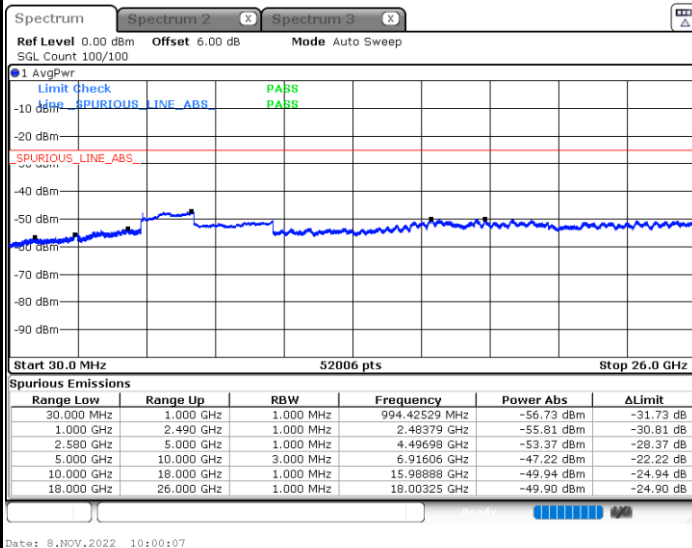
Lowest Channel / 1RB1



Middle Channel / 1RB1



Highest Channel / 1RB1



Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

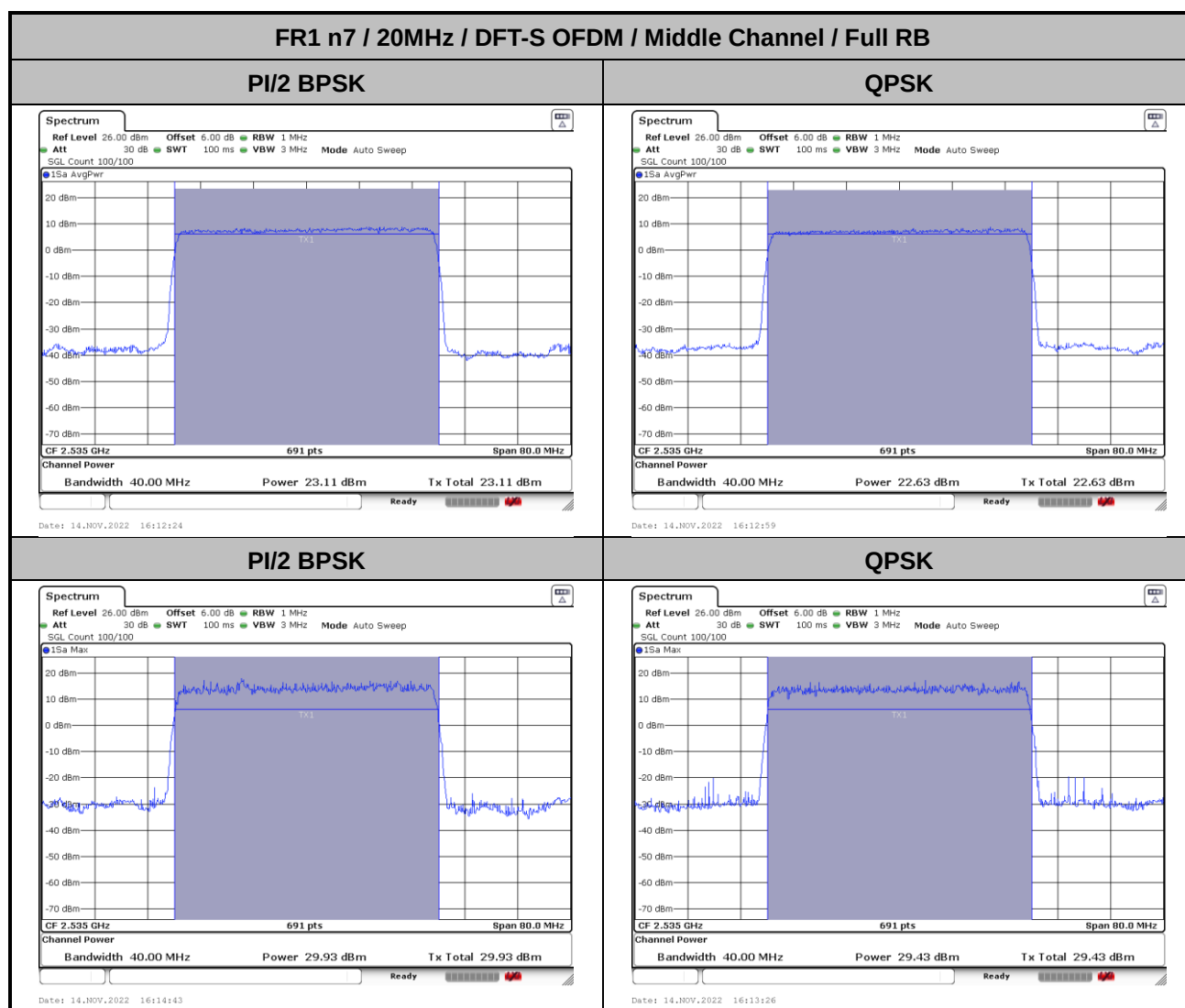
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n7(other PA)

Peak-to-Average Ratio

Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	6.82	6.8			PASS



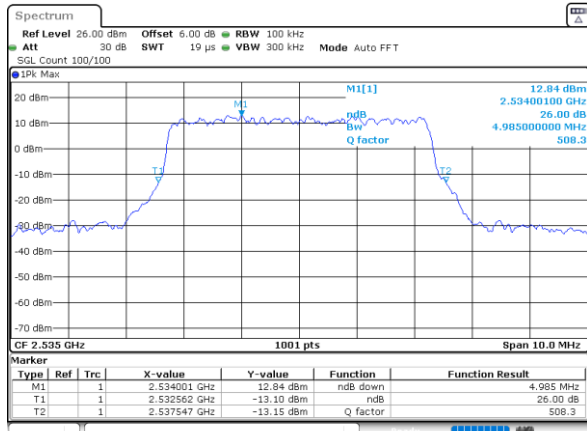
26dB Bandwidth

Mode	FR1 n7 : 26dBW (MHz) / CP OFDM						
BW	5MHz	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz
Mod.	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Middle CH	4.99	10.29	15.08	20.06	24.74	29.69	41
BW	5MHz	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz
Mod.	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM	16QAM
Middle CH	5.28	10.07	15.11	19.74	24.58	29.85	41.08
BW	5MHz	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Middle CH	5.28	10.19	15.05	20.1	24.66	29.69	41
BW	5MHz	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz
Mod.	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM	256QAM
Middle CH	5.03	10.19	15.08	19.74	24.70	29.57	41

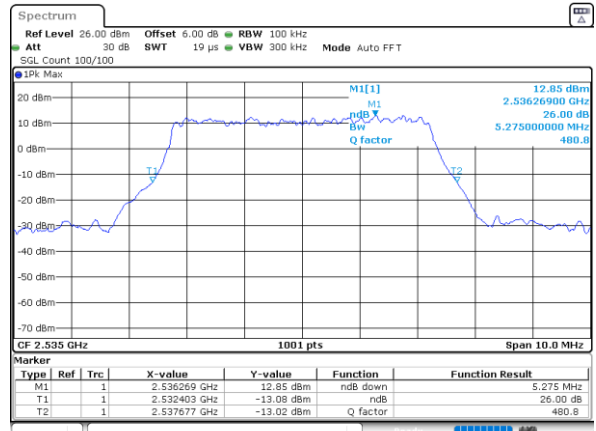


FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

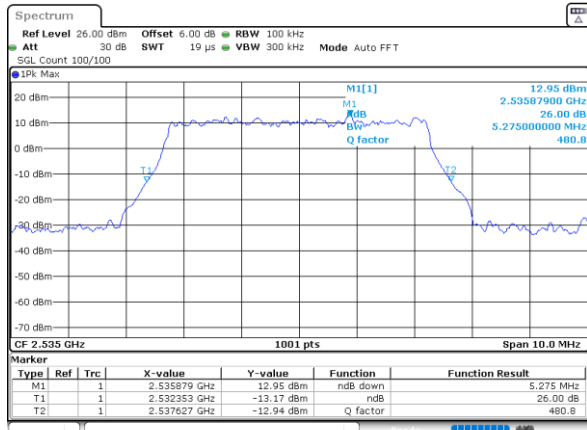
QPSK



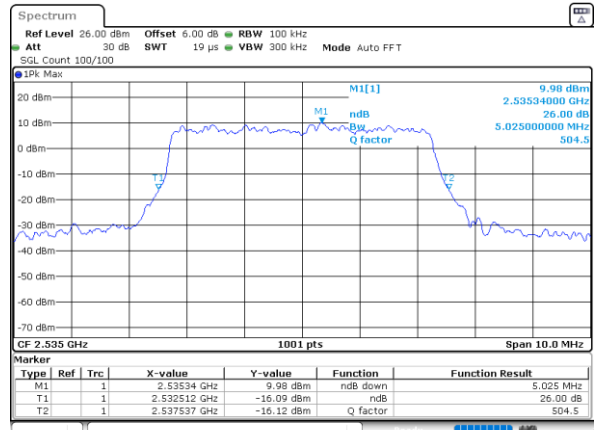
16QAM



64QAM



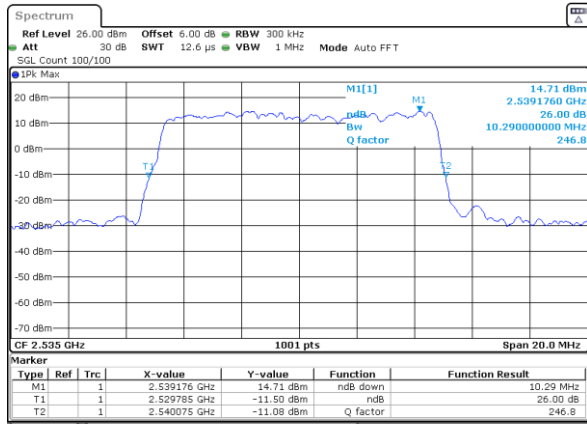
256QAM



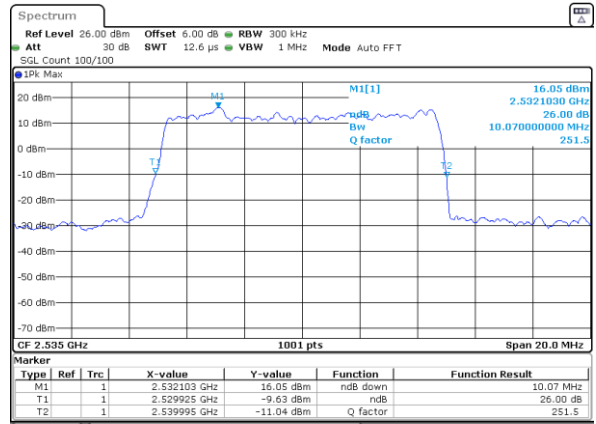


FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

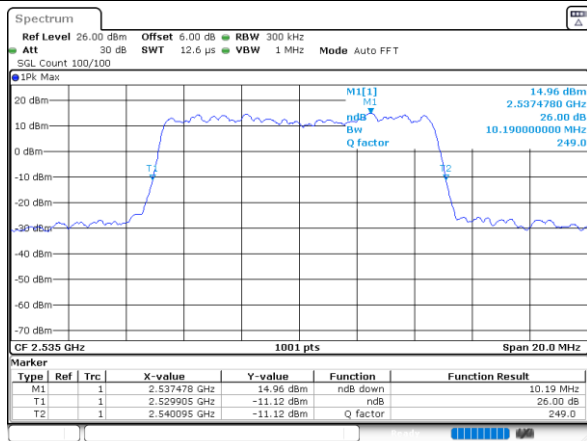
QPSK



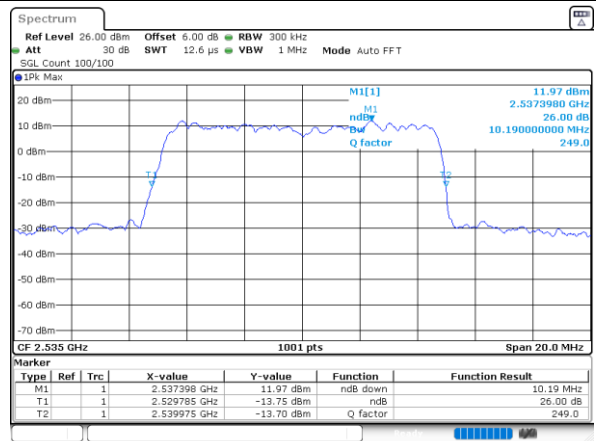
16QAM



64QAM



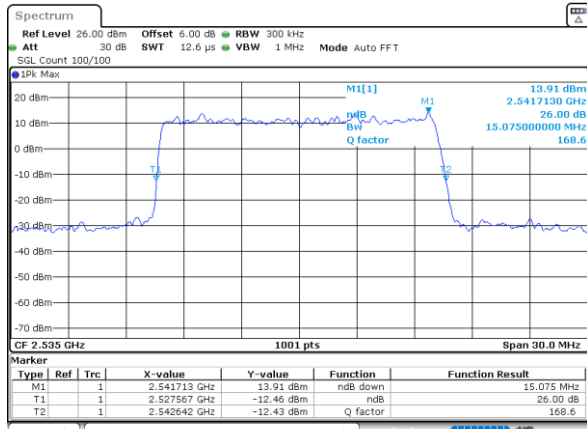
256QAM





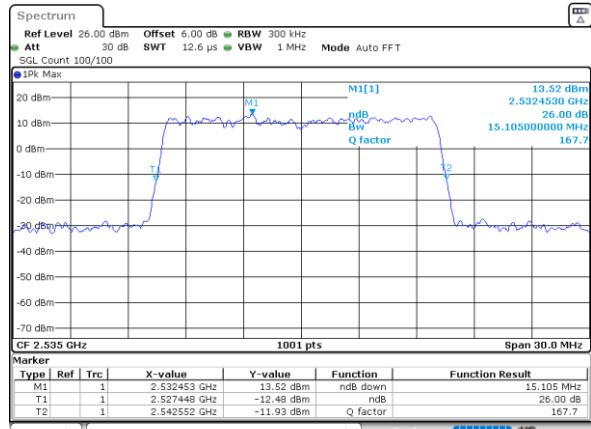
FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



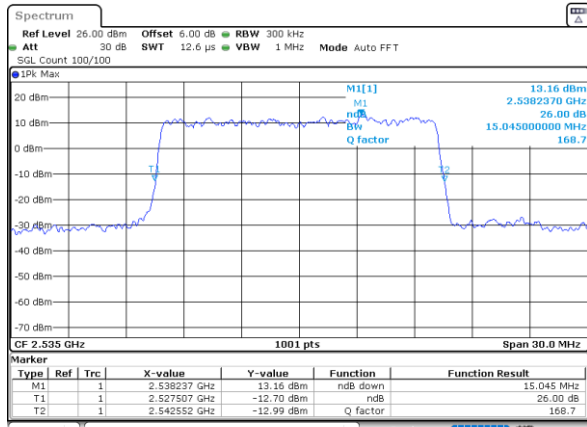
Date: 14.NOV.2022 16:21:42

16QAM



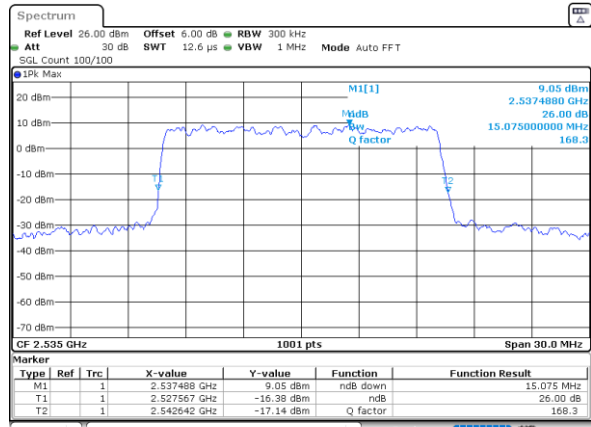
Date: 14.NOV.2022 16:21:58

64QAM



Date: 14.NOV.2022 16:22:13

256QAM

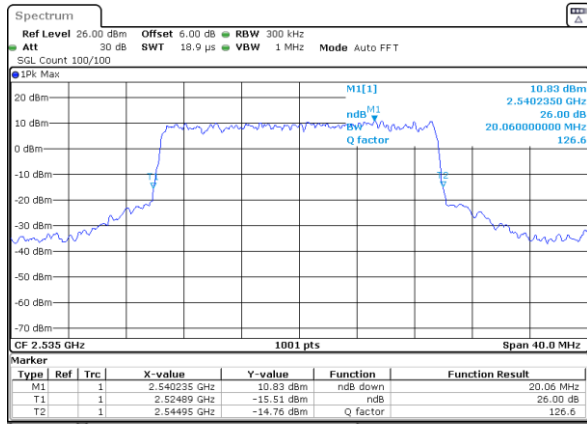


Date: 14.NOV.2022 16:22:32

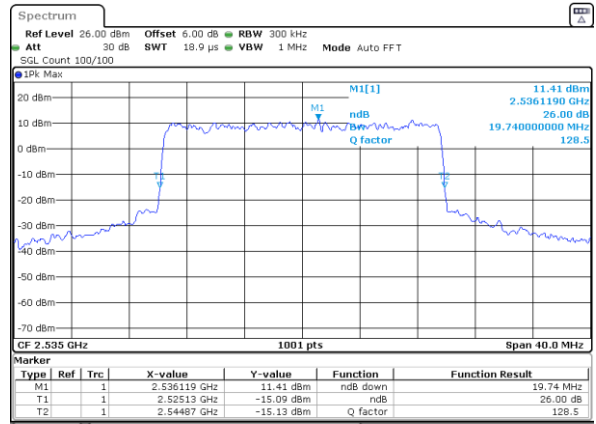


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

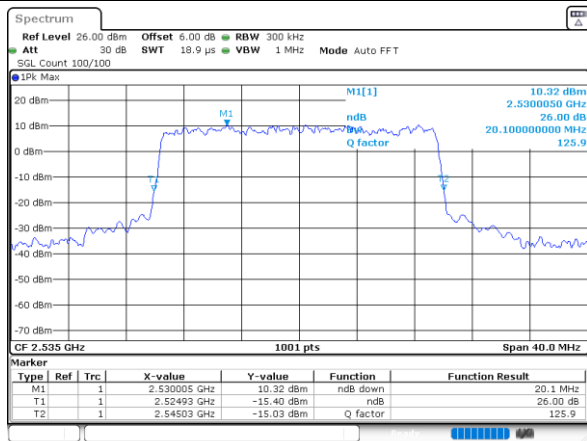
QPSK



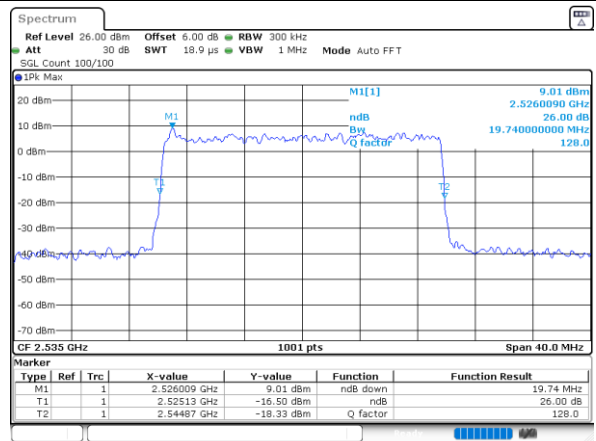
16QAM



64QAM



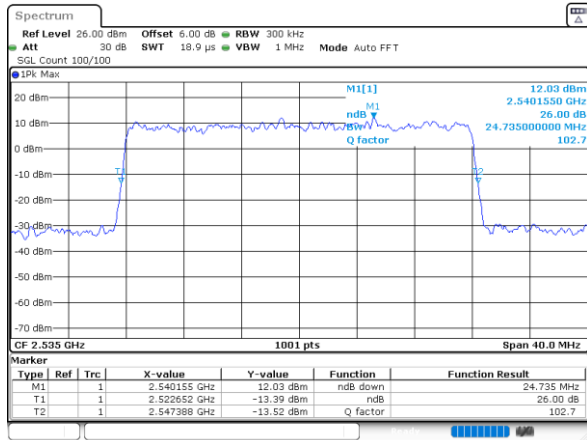
256QAM



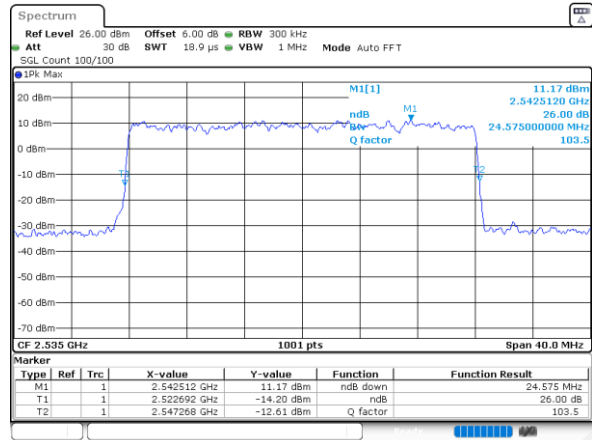


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

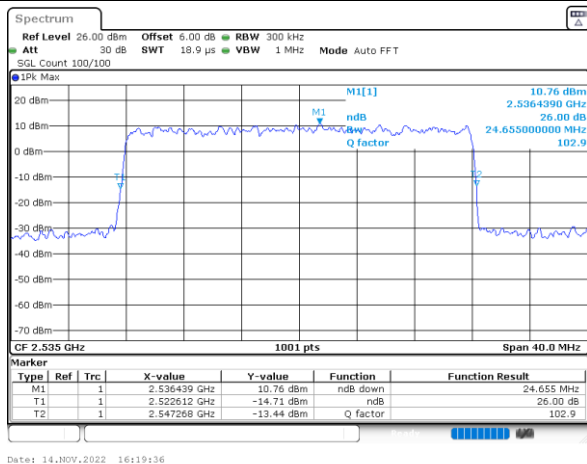
QPSK



16QAM



64QAM



256QAM

