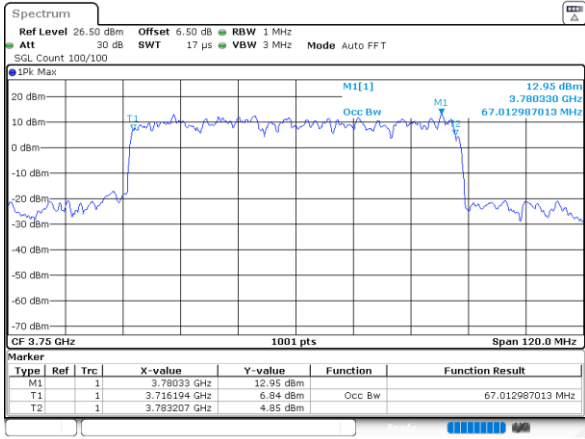




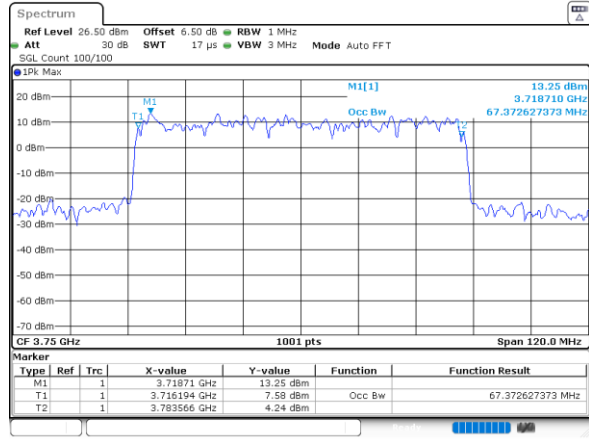
70MHz CP

QPSK



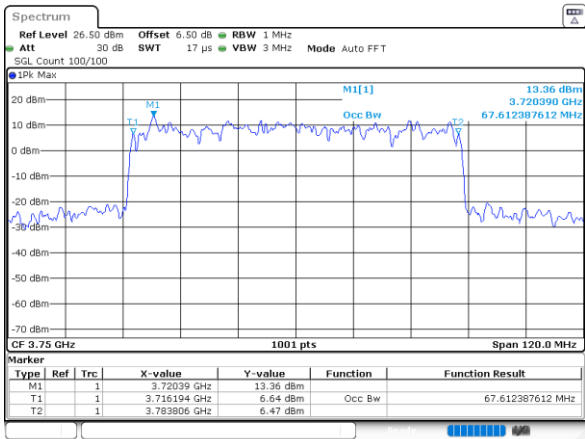
Date: 19.NOV.2022 08:01:13

16QAM



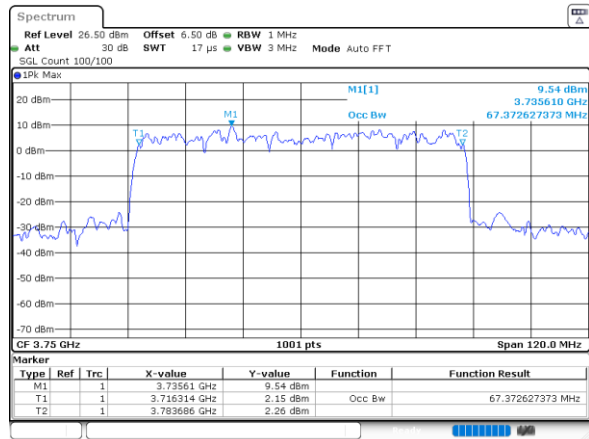
Date: 19.NOV.2022 08:01:46

64QAM



Date: 19.NOV.2022 08:05:33

256QAM

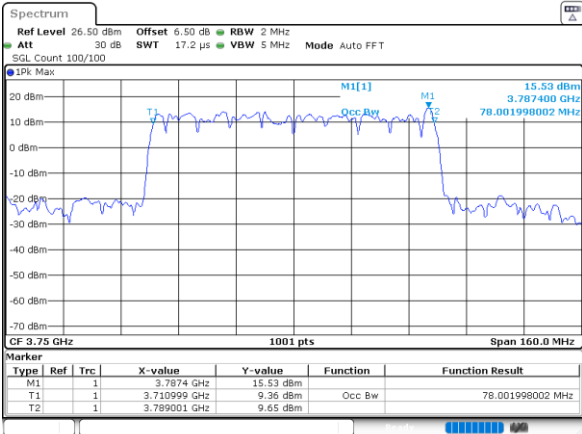


Date: 19.NOV.2022 08:06:54



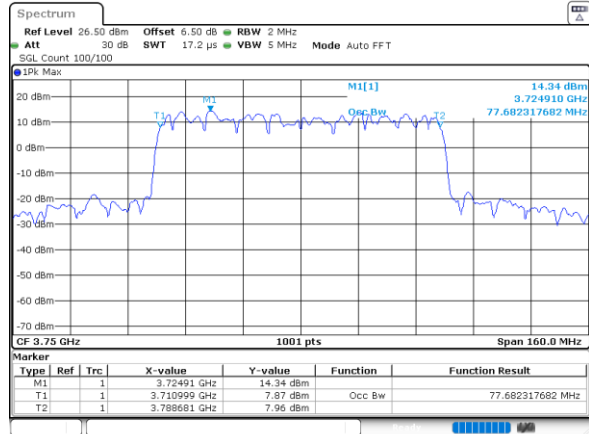
80MHz CP

QPSK



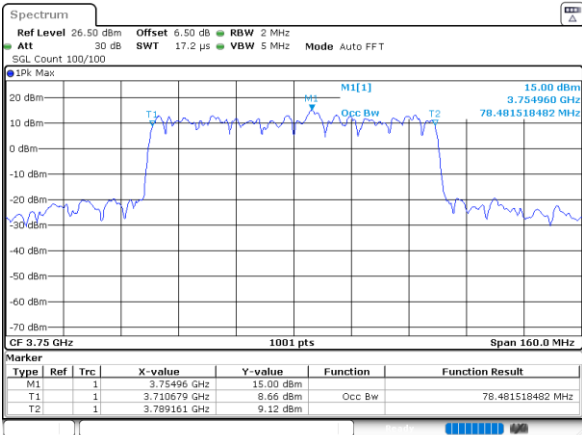
Date: 19.NOV.2022 08:13:47

16QAM



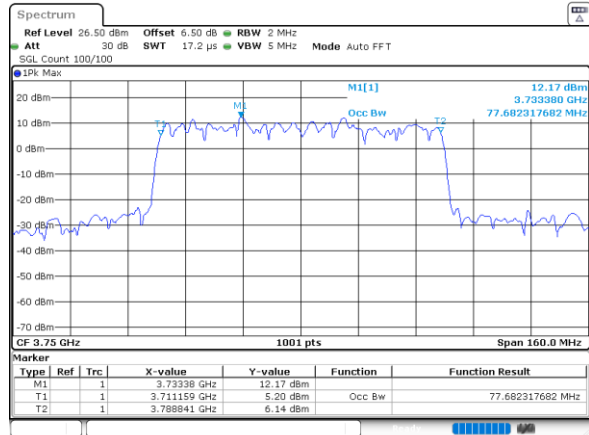
Date: 19.NOV.2022 08:13:27

64QAM



Date: 19.NOV.2022 08:13:08

256QAM

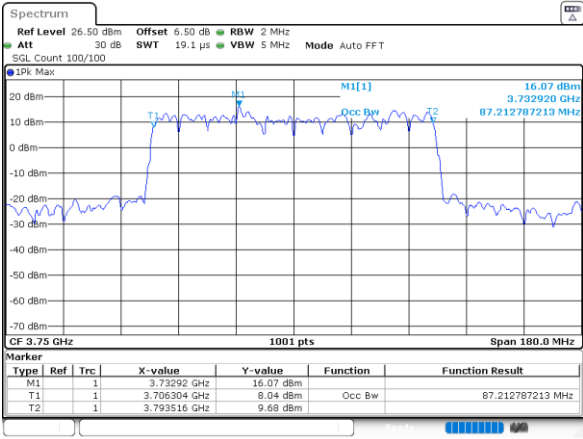


Date: 19.NOV.2022 08:12:33



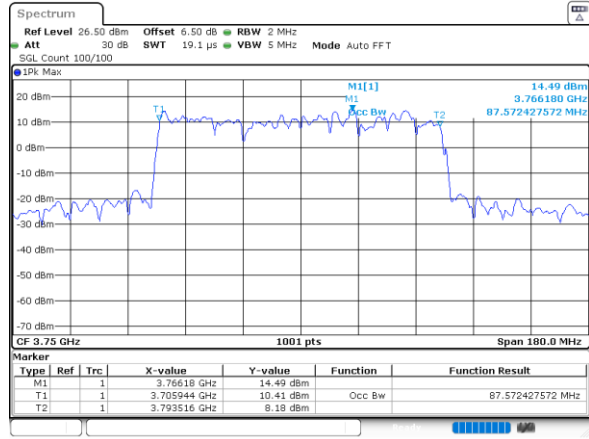
90MHz CP

QPSK



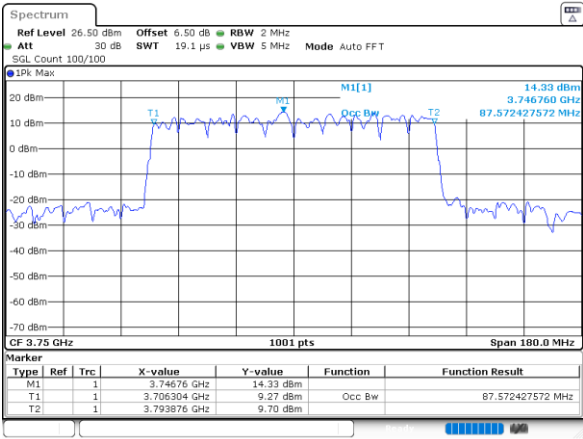
Date: 19.NOV.2022 08:19:23

16QAM



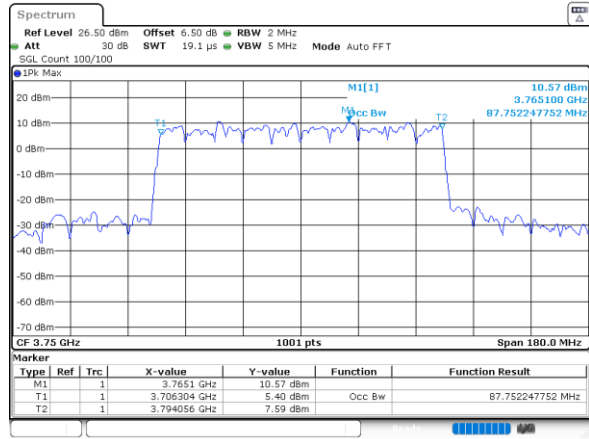
Date: 19.NOV.2022 08:19:41

64QAM



Date: 19.NOV.2022 08:20:01

256QAM

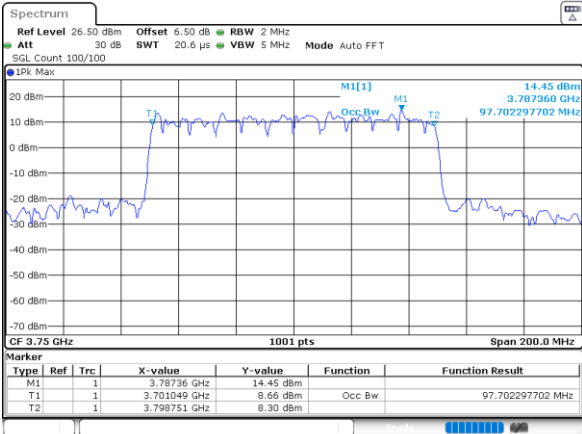


Date: 19.NOV.2022 08:20:21

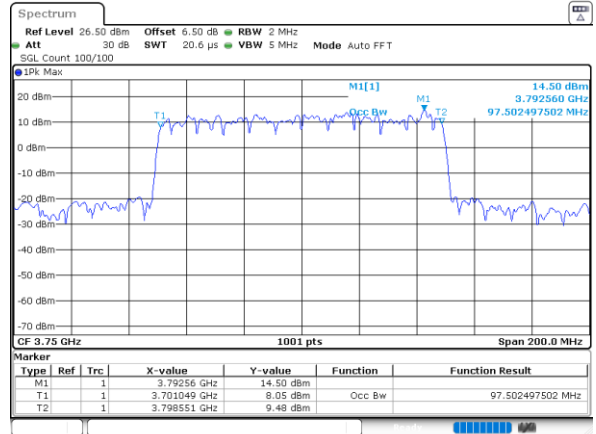


100MHz CP

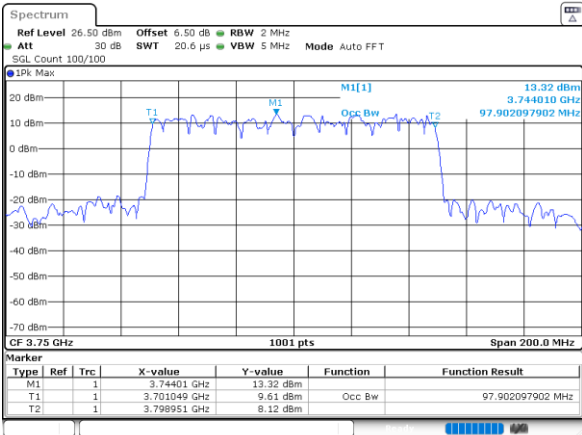
QPSK



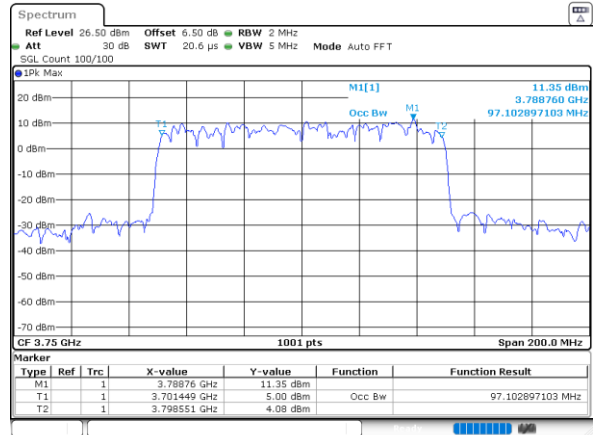
16QAM



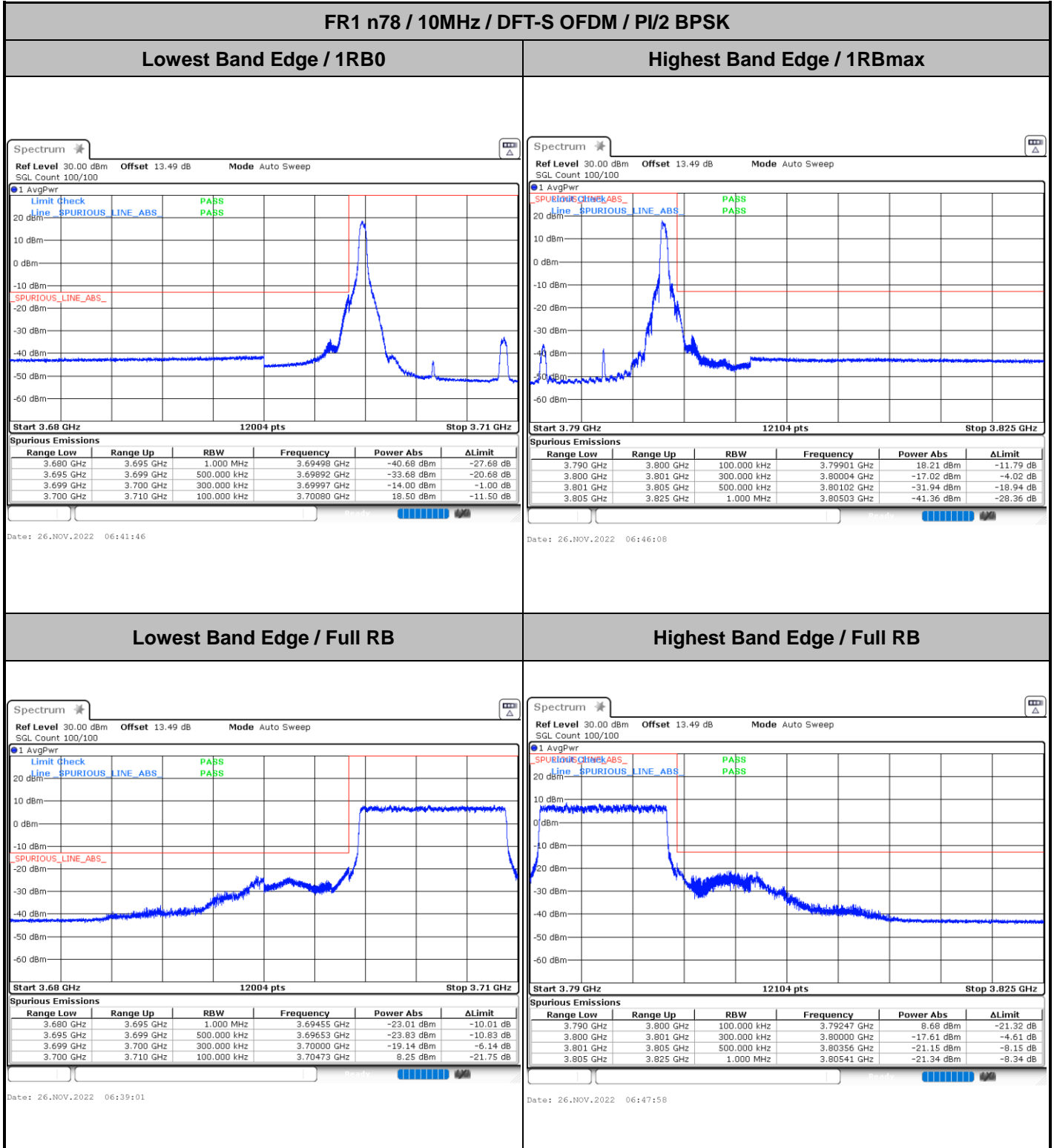
64QAM



256QAM



Conducted Band Edge

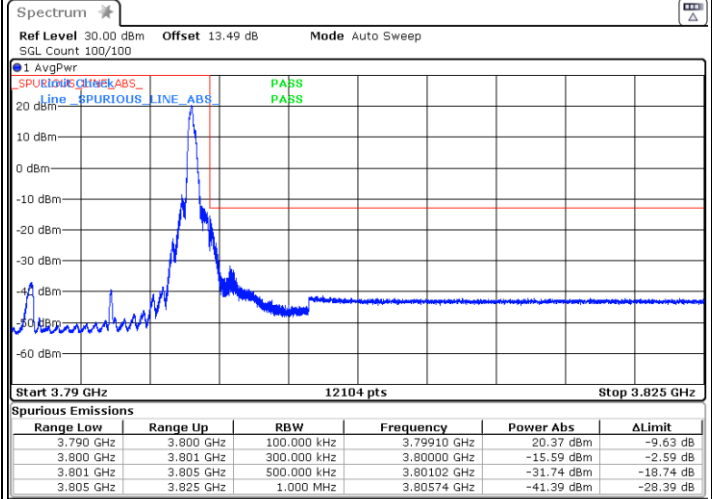
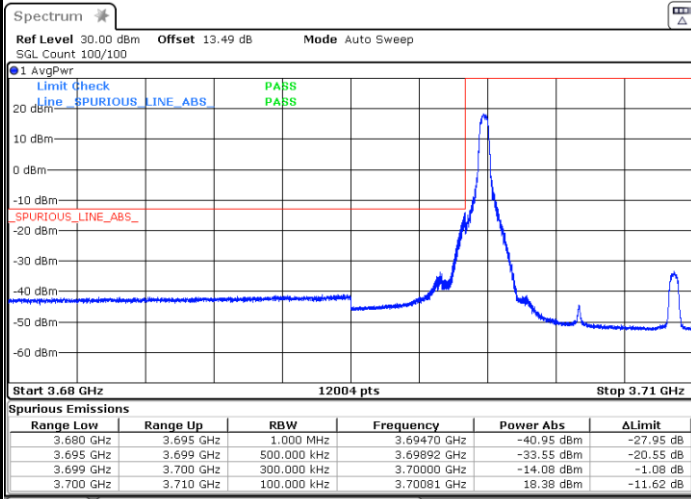




FR1 n78 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

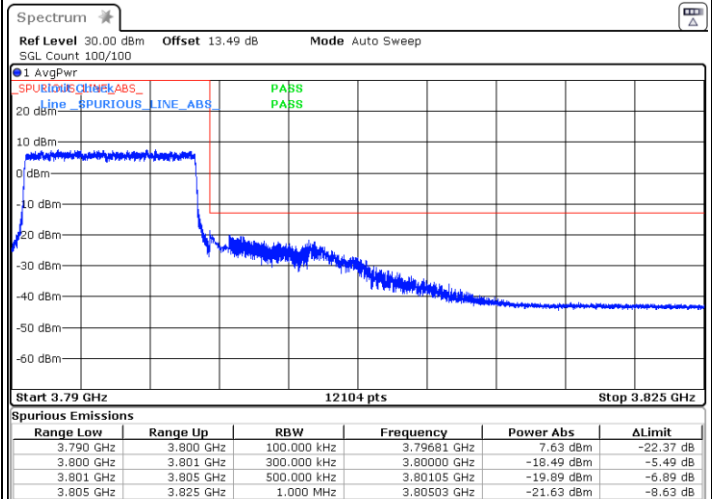
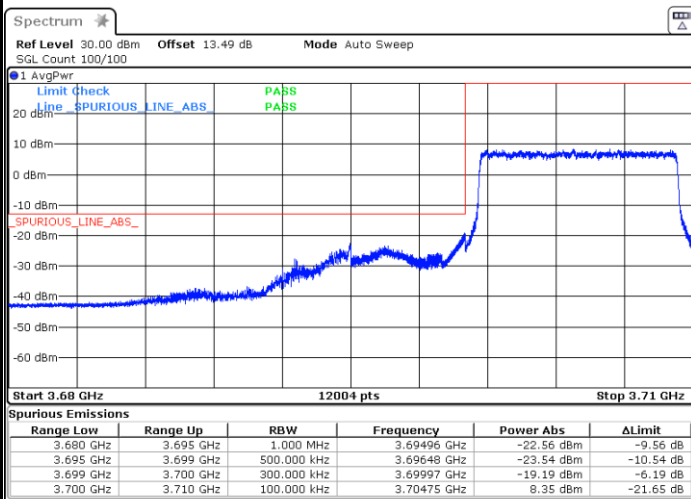


Date: 26.NOV.2022 06:43:21

Date: 26.NOV.2022 06:44:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26.NOV.2022 06:40:28

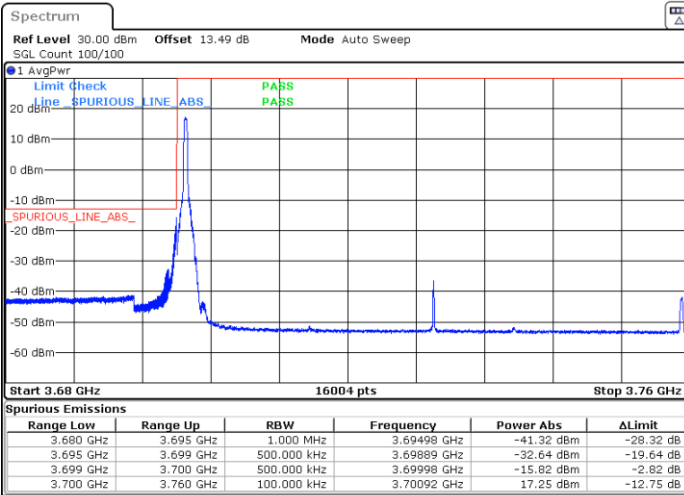
Date: 26.NOV.2022 06:49:13



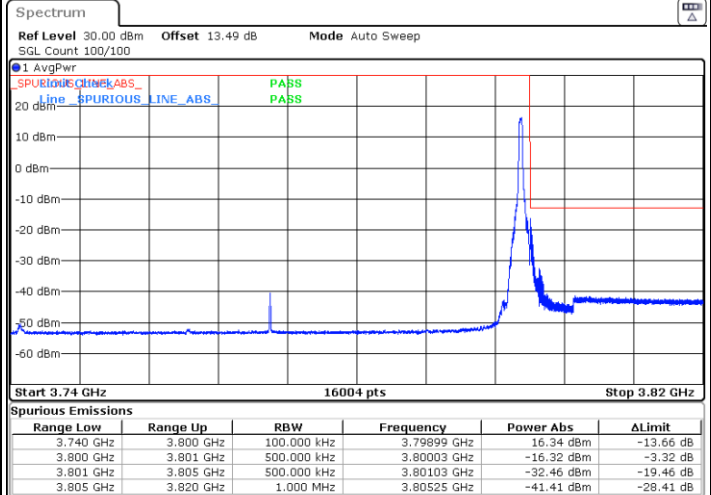
FR1 n78 / 60MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



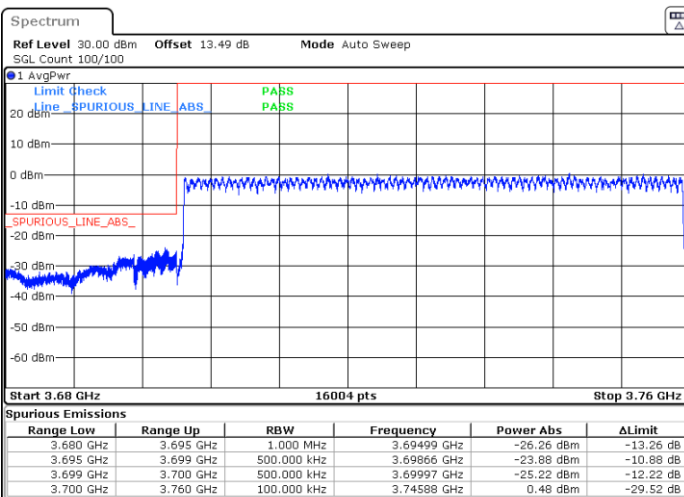
Date: 19.NOV.2022 06:58:15



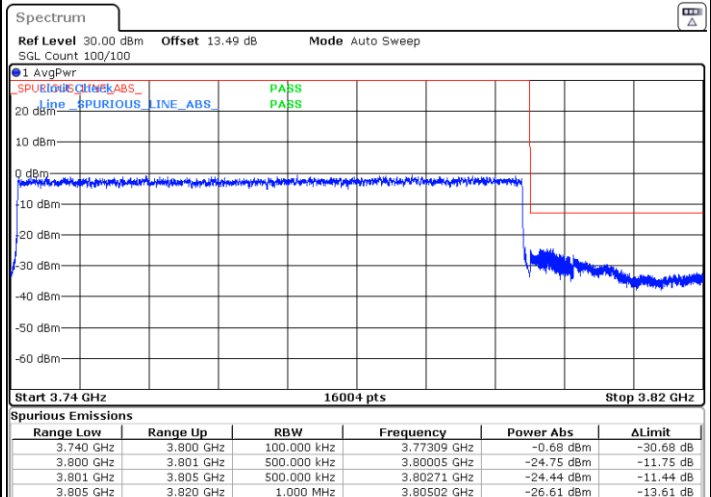
Date: 19.NOV.2022 07:52:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.NOV.2022 07:48:38



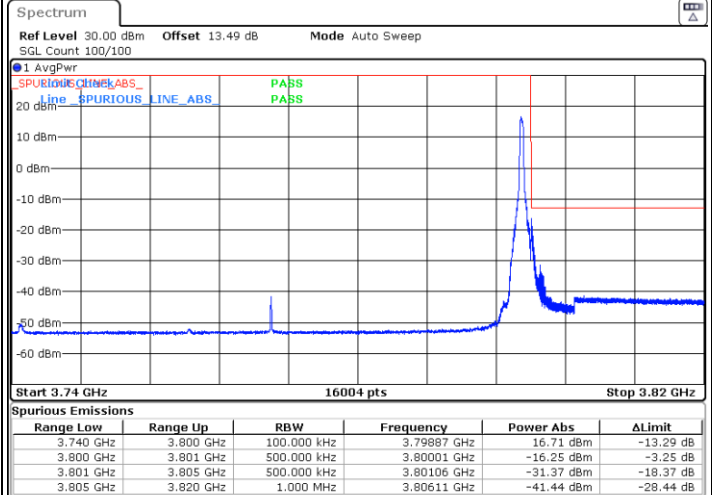
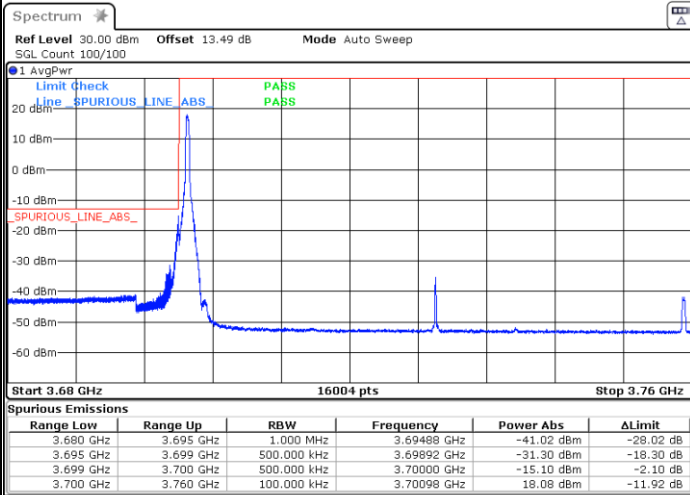
Date: 19.NOV.2022 07:50:16



FR1 n78 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

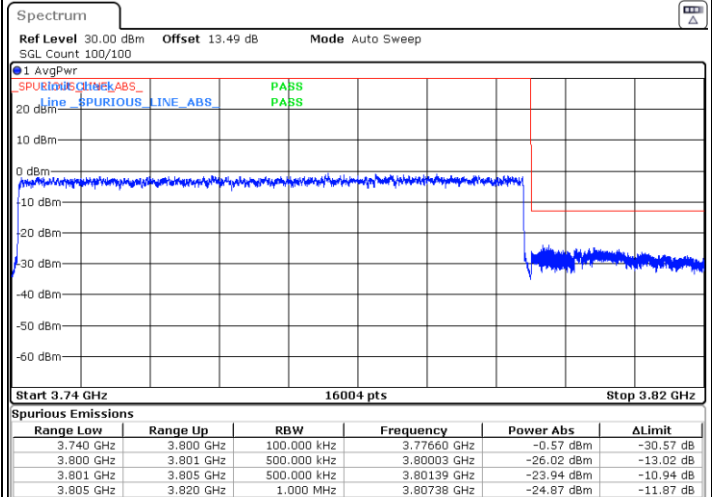
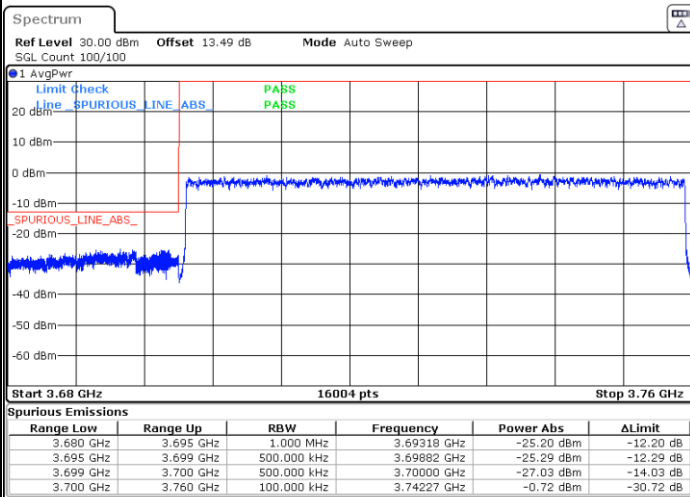


Date: 19.NOV.2022 07:00:45

Date: 19.NOV.2022 07:51:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.NOV.2022 07:47:40

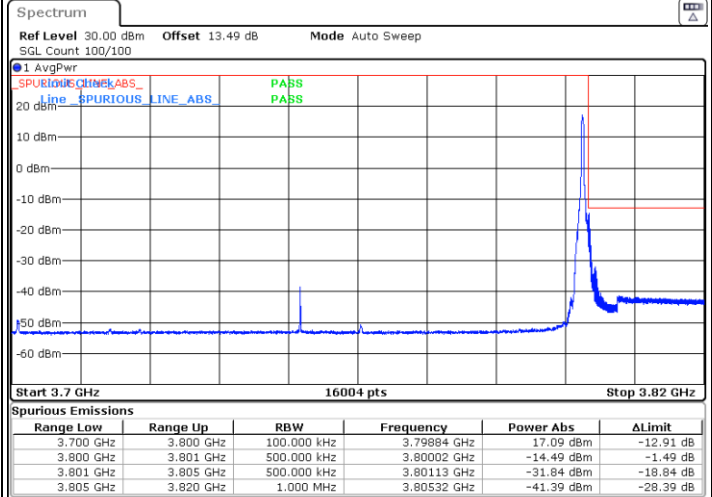
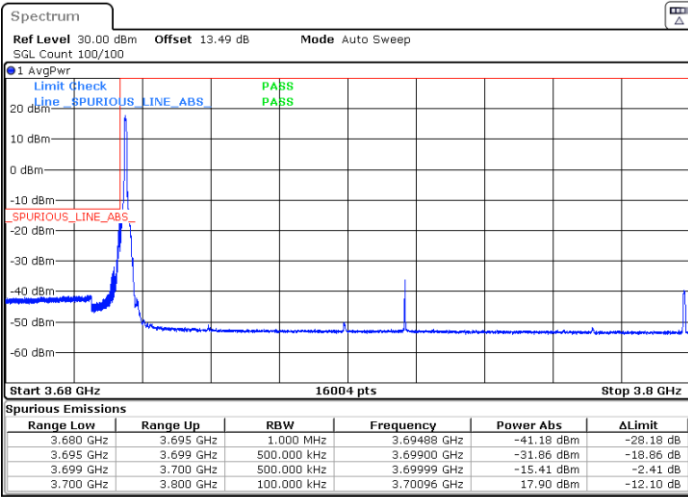
Date: 19.NOV.2022 07:50:57



FR1 n78 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

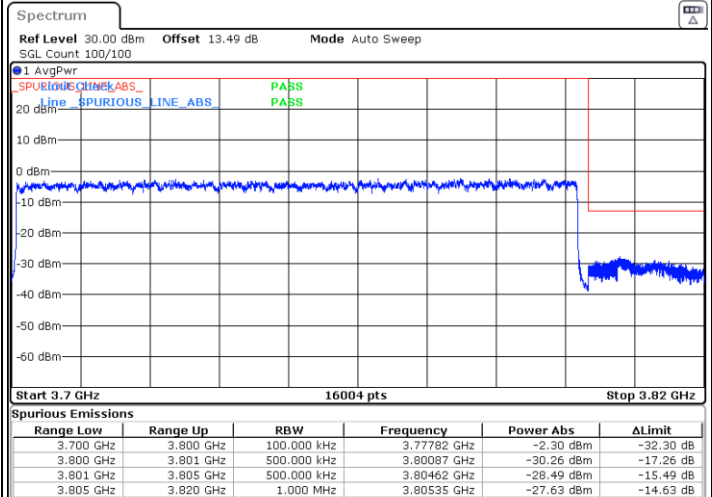
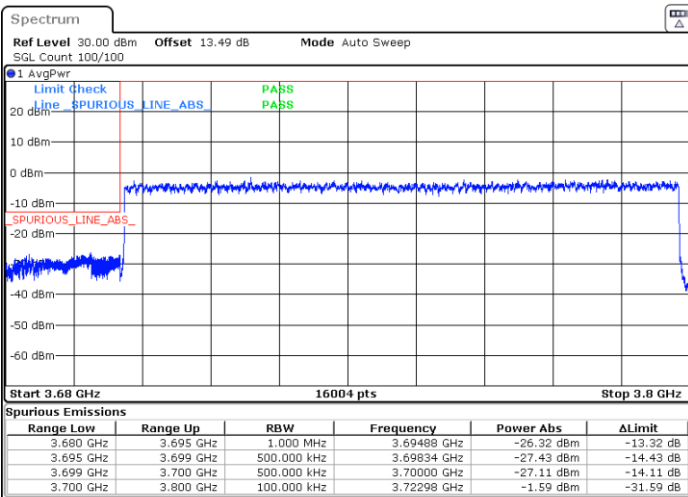


Date: 19.NOV.2022 08:33:09

Date: 19.NOV.2022 08:41:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.NOV.2022 08:37:40

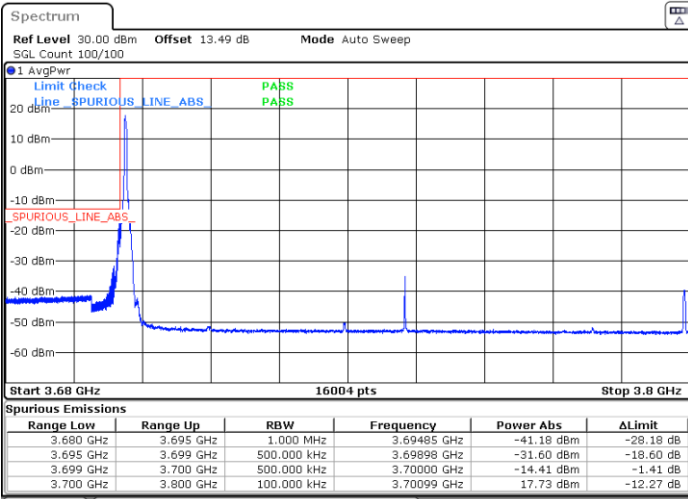
Date: 19.NOV.2022 08:39:13



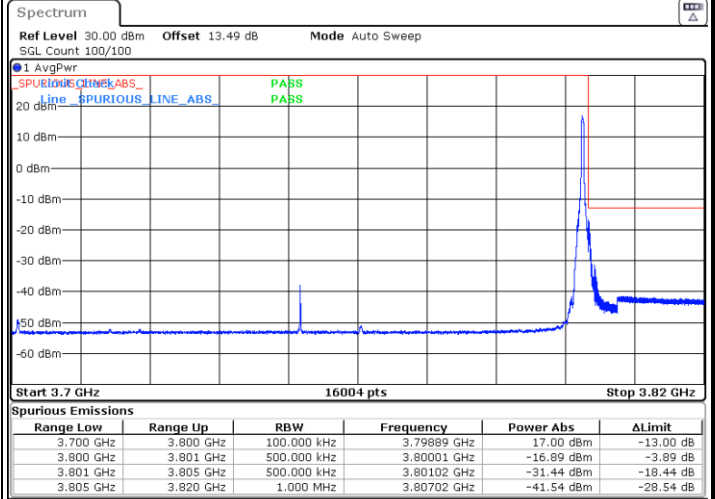
FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



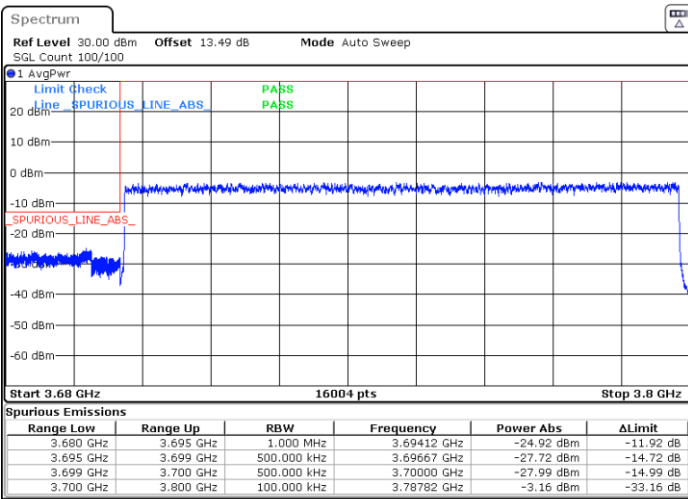
Date: 19.NOV.2022 08:34:36



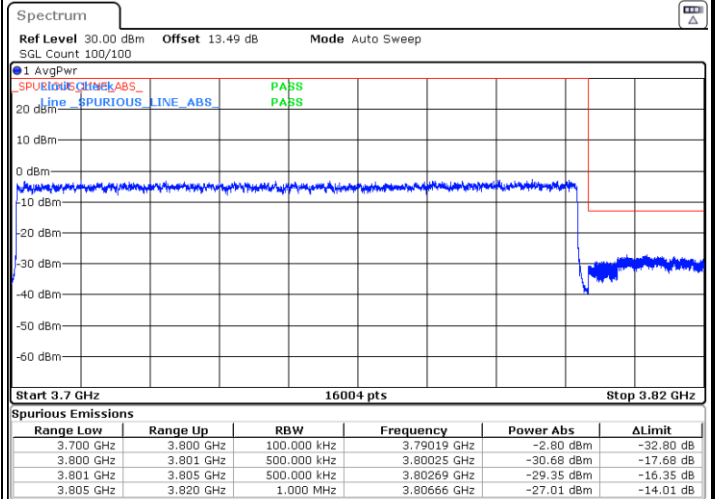
Date: 19.NOV.2022 08:40:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



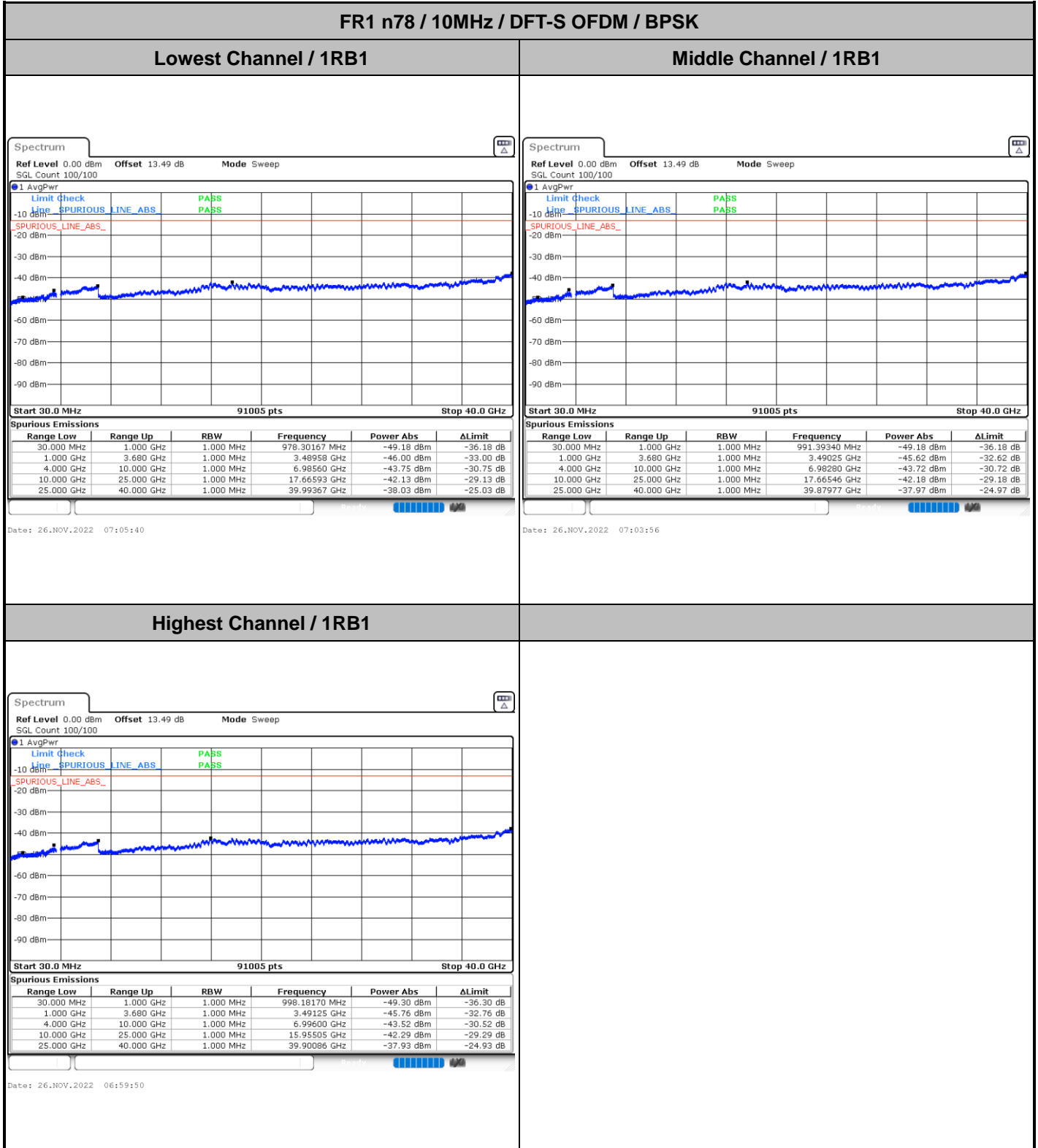
Date: 19.NOV.2022 08:36:13



Date: 19.NOV.2022 08:39:52



Conducted Spurious Emission

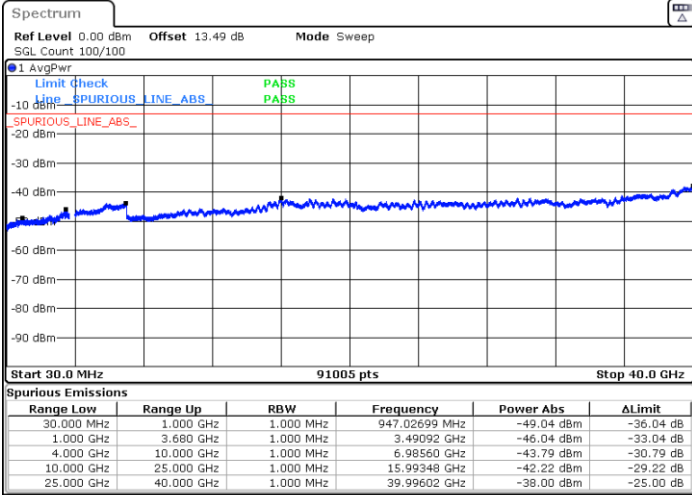




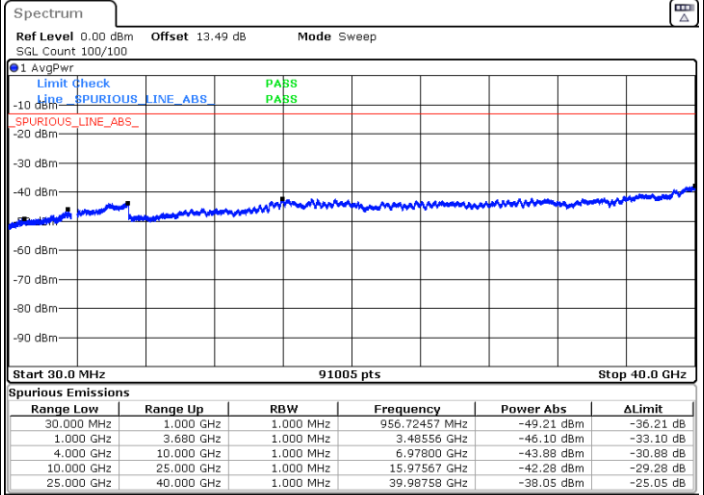
FR1 n78 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

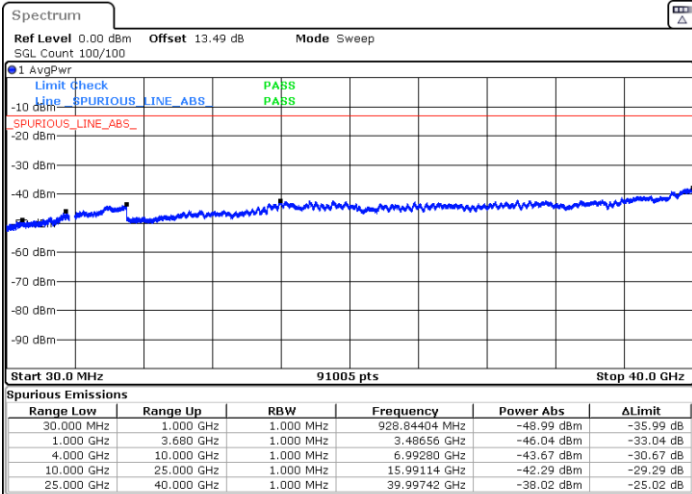


Date: 26.NOV.2022 07:06:51



Date: 26.NOV.2022 07:02:25

Highest Channel / 1RB1



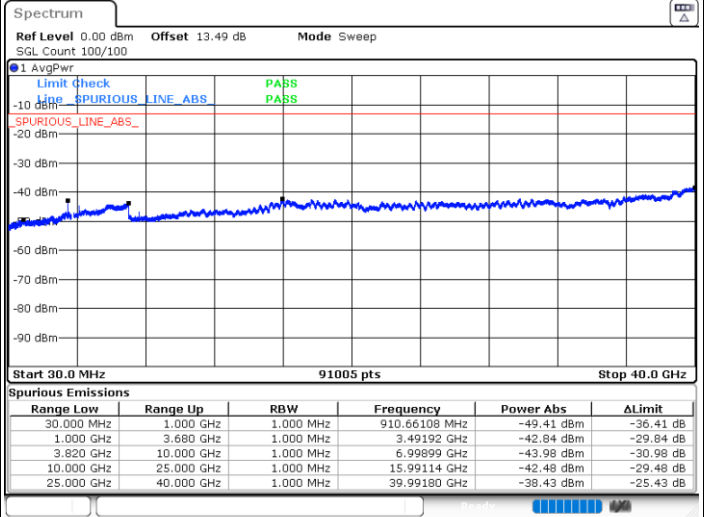
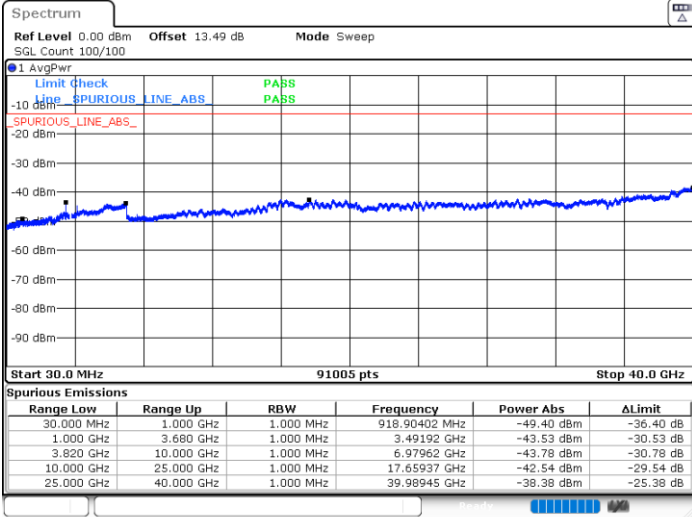
Date: 26.NOV.2022 07:01:02



FR1 n78 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

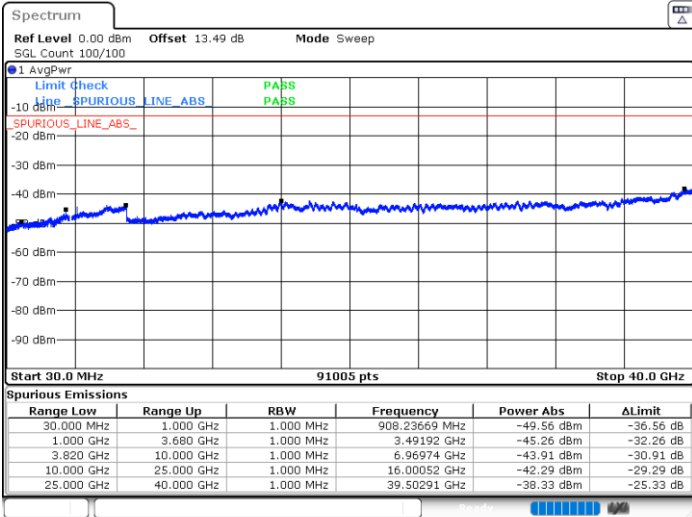
Middle Channel / 1RB1



Date: 19.NOV.2022 07:58:44

Date: 19.NOV.2022 07:57:35

Highest Channel / 1RB1



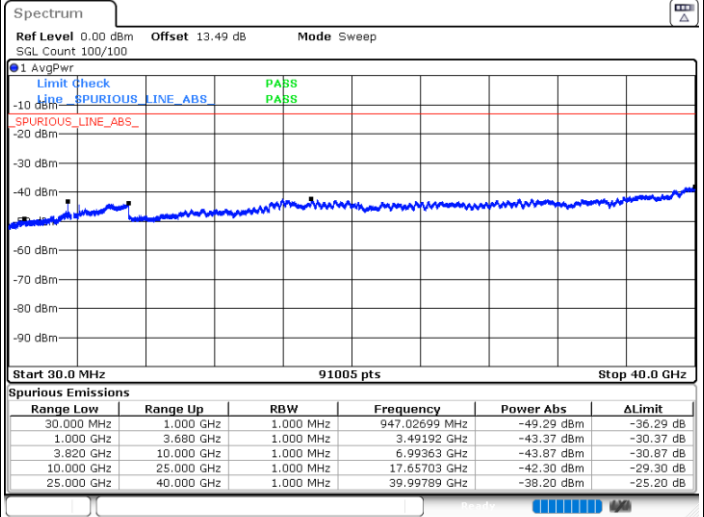
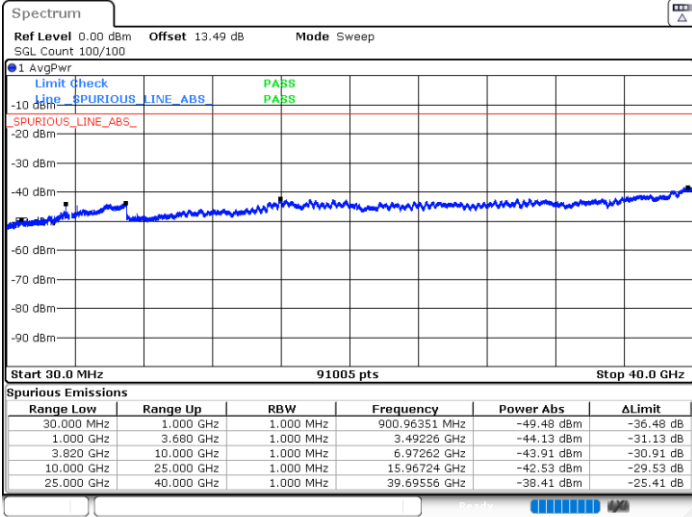
Date: 19.NOV.2022 07:54:00



FR1 n78 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

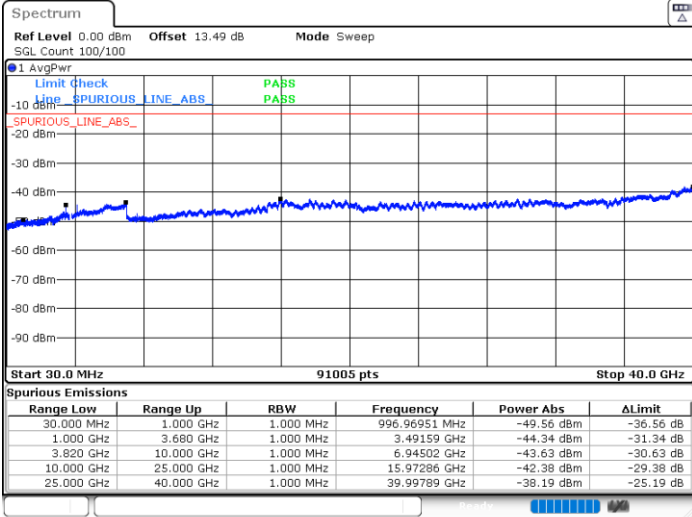
Middle Channel / 1RB1



Date: 19.NOV.2022 07:59:54

Date: 19.NOV.2022 07:56:19

Highest Channel / 1RB1

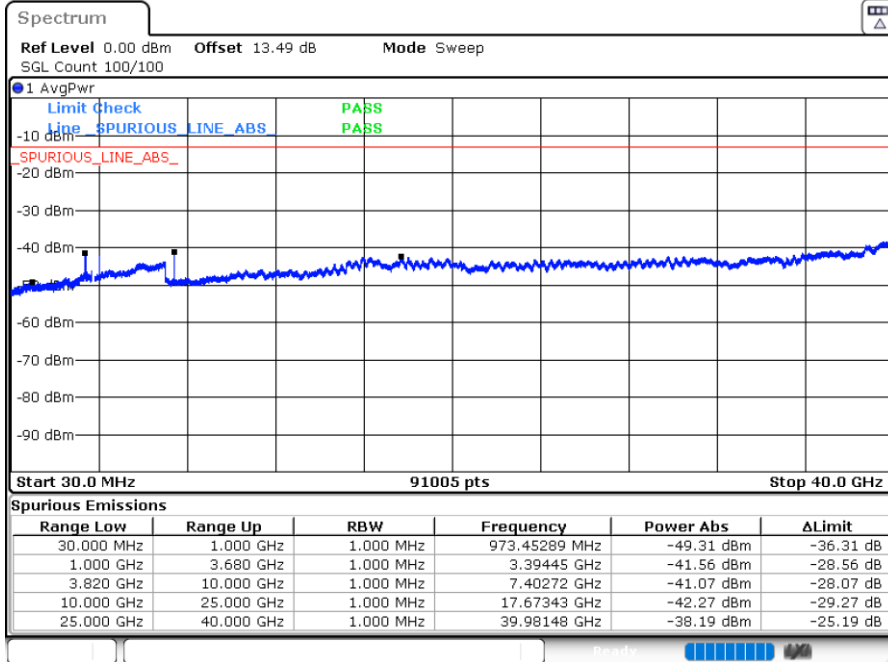


Date: 19.NOV.2022 07:55:06



FR1 n78 /100MHz / DFT-S OFDM / BPSK

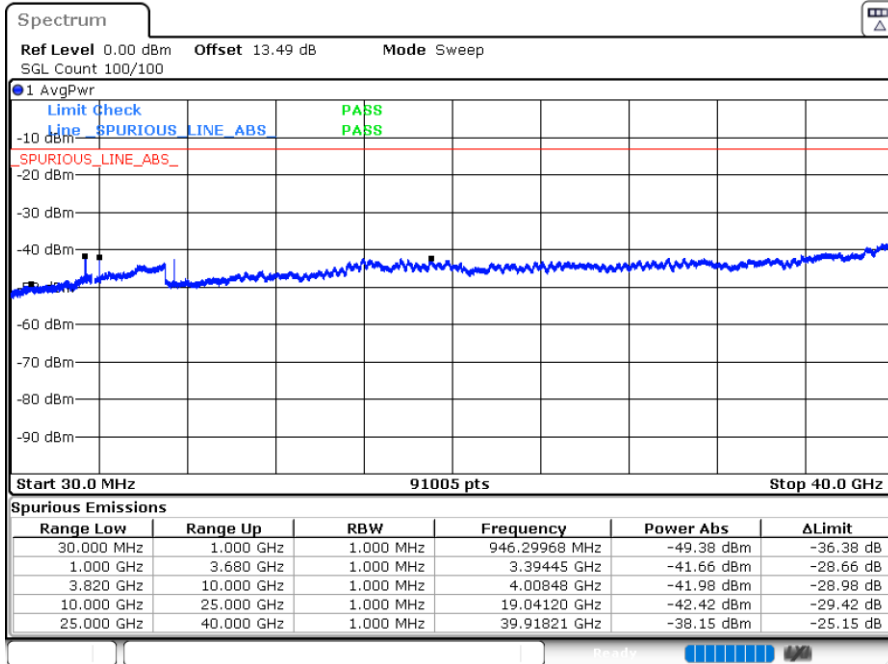
Middle Channel / 1RB1



Date: 19.NOV.2022 08:43:18

FR1 n78 /100MHz / DFT-S OFDM / QPSK

Middle Channel / 1RB1



Date: 19.NOV.2022 08:44:36

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

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.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / Ant7								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7590	-60.54	-13	-47.54	-71.02	2.76	13.24	H
	11388	-59.52	-13	-46.52	-69.11	3.42	13.01	H
	15180	-58.23	-13	-45.23	-67.84	3.83	13.44	H
	7590	-61.05	-13	-48.05	-71.49	2.80	13.24	V
	11388	-59.94	-13	-46.94	-69.49	3.46	13.01	V
	15180	-58.73	-13	-45.73	-68.29	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n78 / NR 100MHz / QPSK DFT-s-OFDM / Ant7								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7416	-64.25	-13	-51.25	-74.73	2.76	13.24	H
	11112	-62.78	-13	-49.78	-72.37	3.42	13.01	H
	14820	-58.16	-13	-45.16	-67.77	3.83	13.44	H
	7416	-64.28	-13	-51.28	-74.72	2.80	13.24	V
	11112	-63.26	-13	-50.26	-72.81	3.46	13.01	V
	14820	-58.14	-13	-45.14	-67.70	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_41A_n77 / LTE 20MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT2(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7590	-61.29	-13	-48.29	-71.77	2.76	13.24	H
	11388	-60.46	-13	-47.46	-70.05	3.42	13.01	H
	15180	-58.60	-13	-45.60	-68.21	3.83	13.44	H
	7590	-60.76	-13	-47.76	-71.20	2.80	13.24	V
	11388	-60.47	-13	-47.47	-70.02	3.46	13.01	V
	15180	-58.75	-13	-45.75	-68.31	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



EN-DC_41A_n78 / LTE 20MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT2(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7410	-63.80	-13	-50.80	-74.28	2.76	13.24	H
	11106	-60.10	-13	-47.10	-69.69	3.42	13.01	H
	14820	-60.30	-13	-47.30	-69.91	3.83	13.44	H
	7410	-63.68	-13	-50.68	-74.12	2.80	13.24	V
	11106	-60.60	-13	-47.60	-70.15	3.46	13.01	V
	14820	-60.54	-13	-47.54	-70.10	3.88	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.