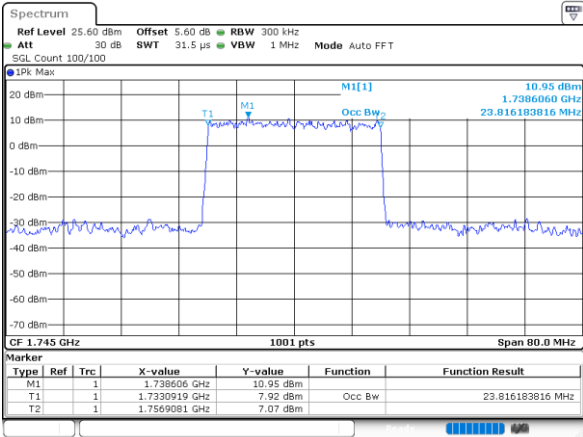
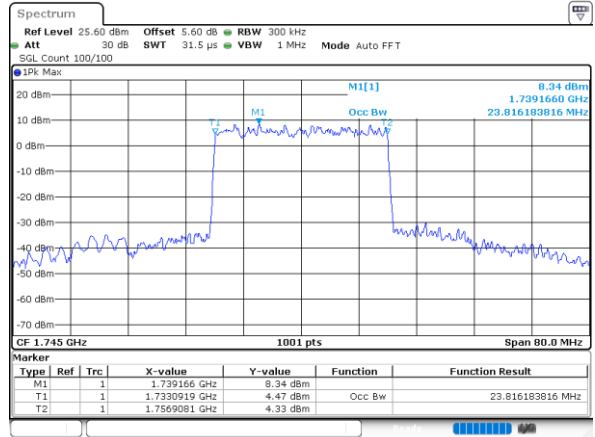




64QAM

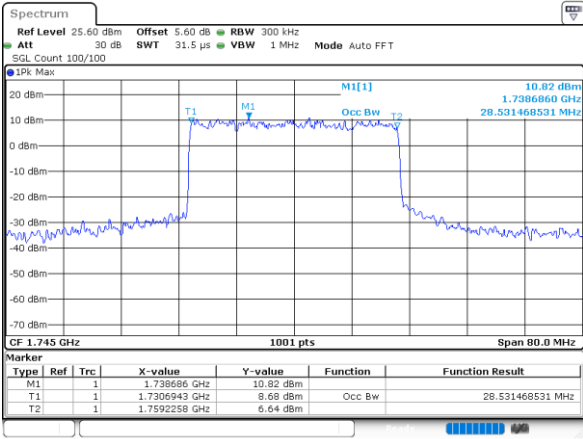


256QAM

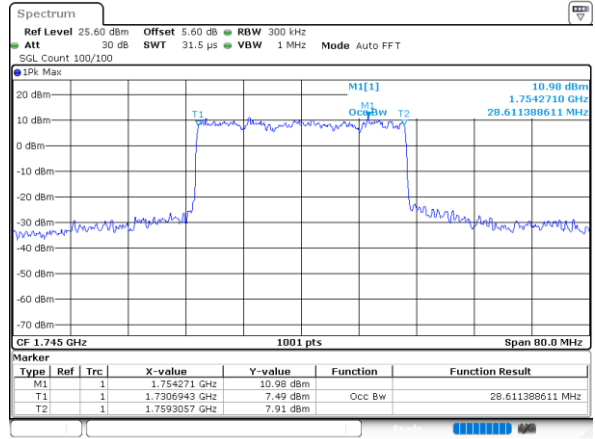


FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

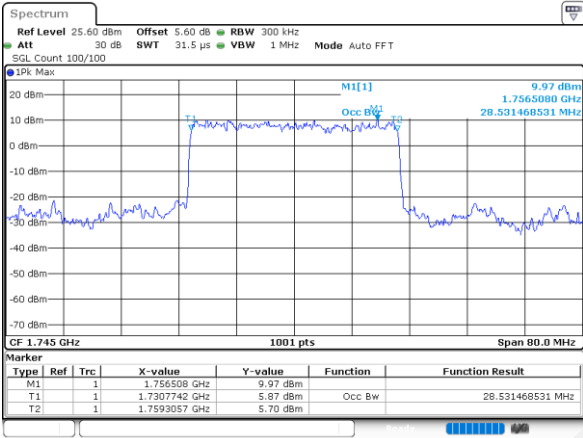
QPSK



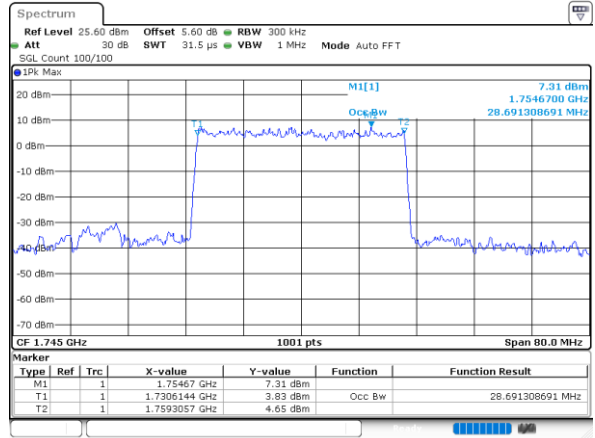
16QAM



64QAM



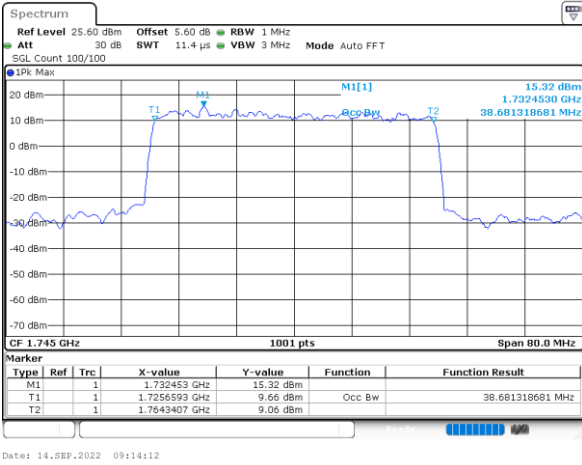
256QAM





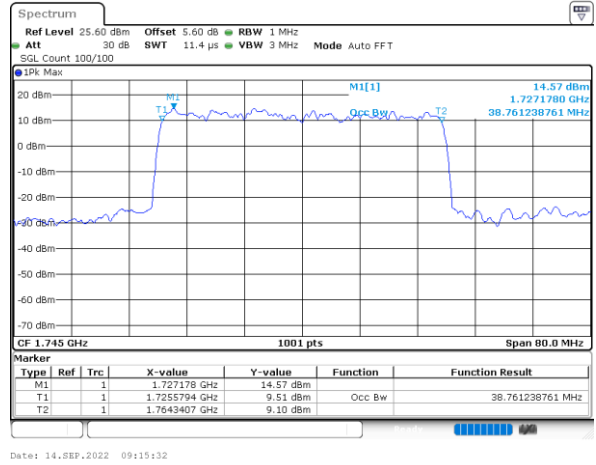
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



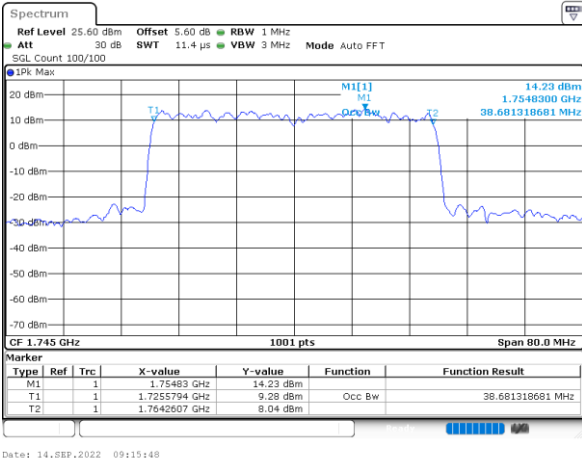
Date: 14.SEP.2022 09:14:12

16QAM



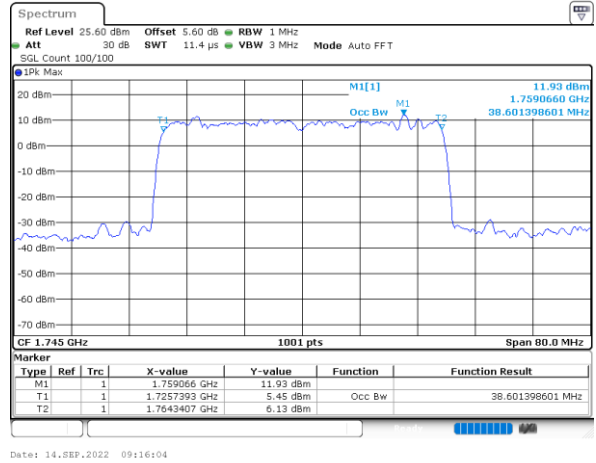
Date: 14.SEP.2022 09:15:32

64QAM



Date: 14.SEP.2022 09:15:48

256QAM



Date: 14.SEP.2022 09:16:04

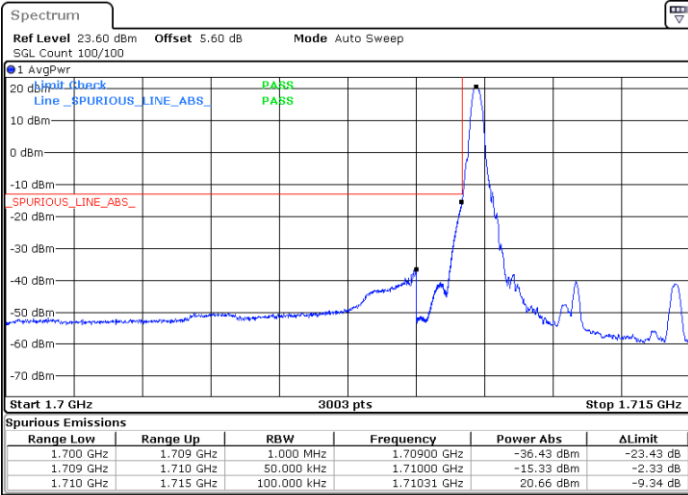


Conducted Band Edge

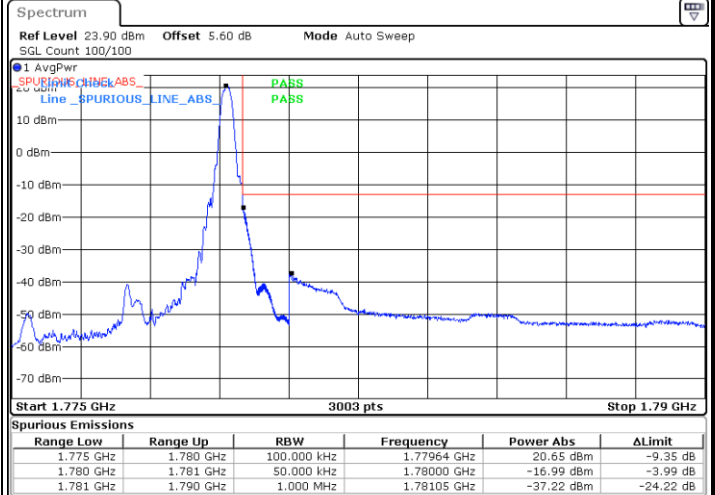
FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



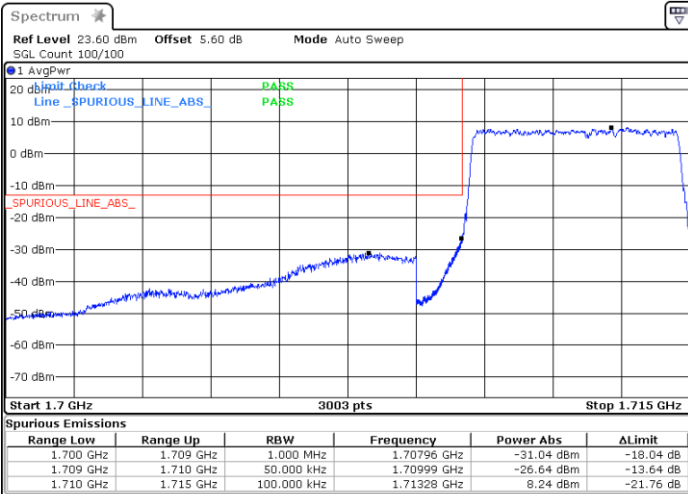
Date: 14.SEP.2022 10:01:45



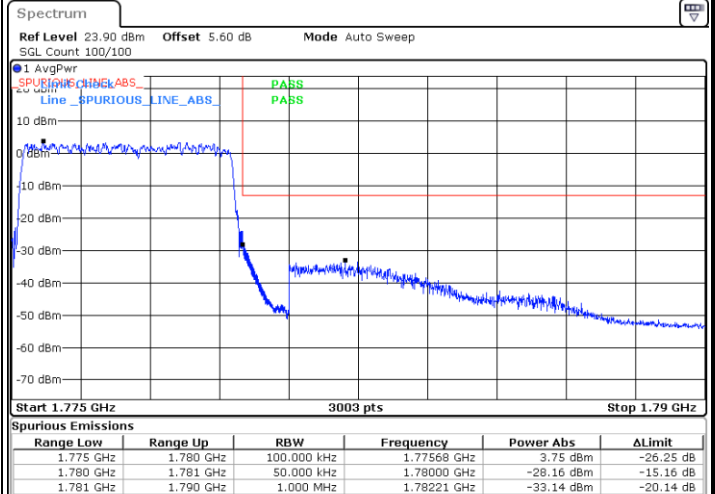
Date: 14.SEP.2022 10:09:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 10:04:07



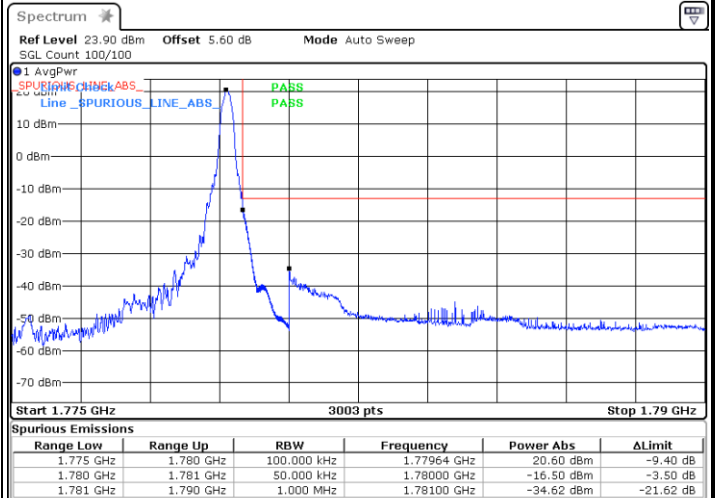
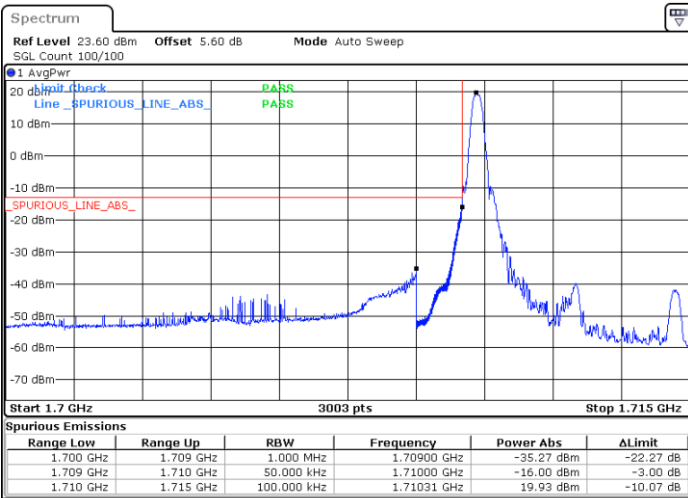
Date: 14.SEP.2022 10:13:03



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

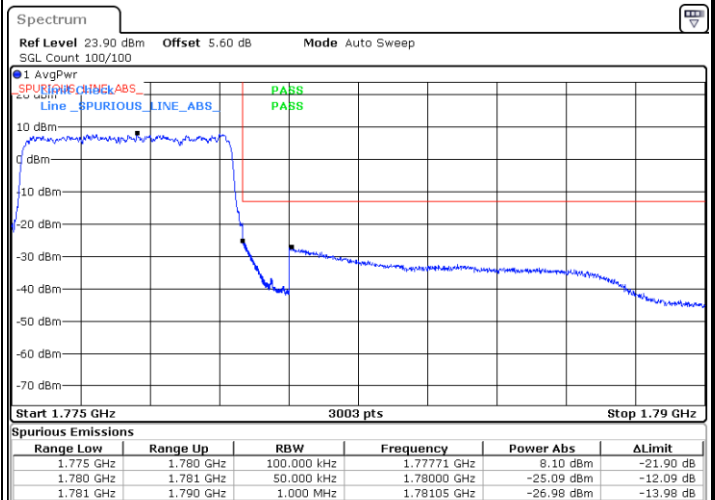
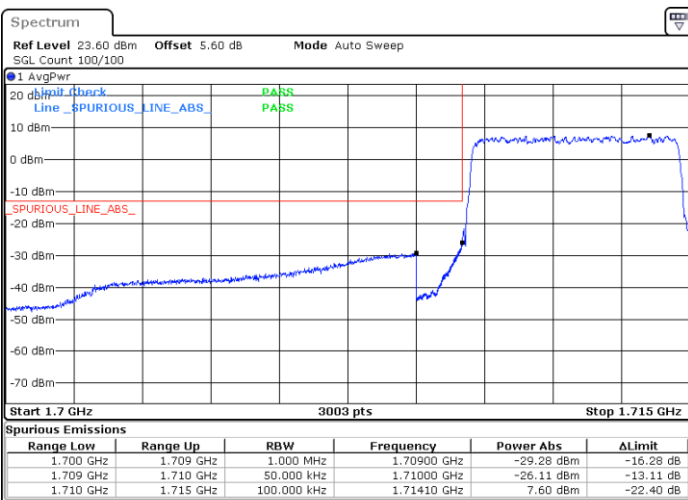


Date: 14.SEP.2022 10:02:38

Date: 14.SEP.2022 10:11:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 10:03:18

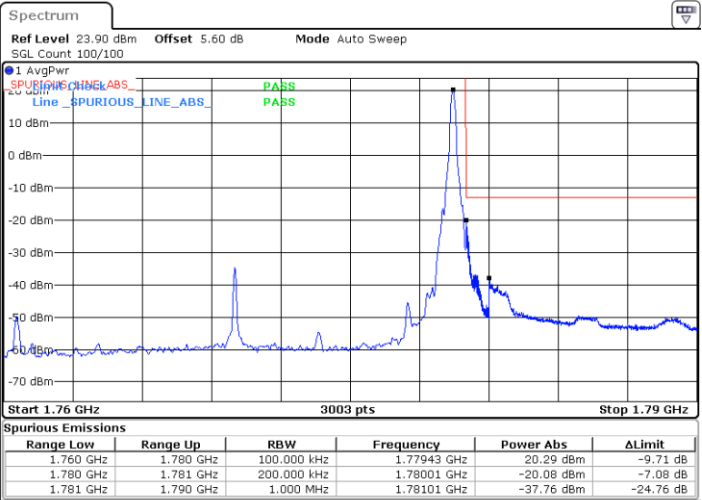
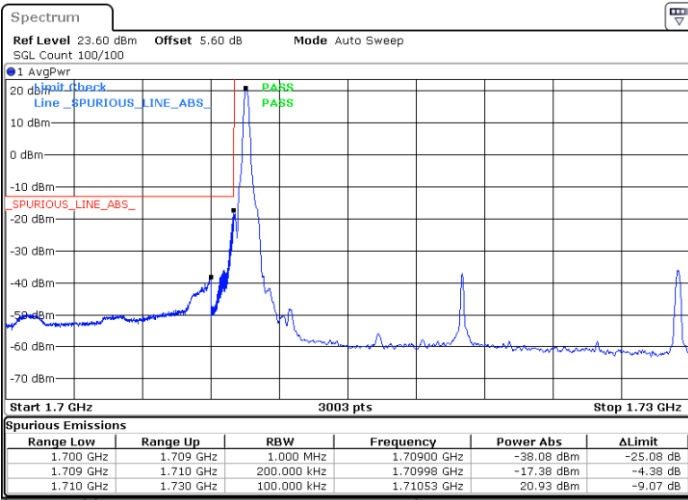
Date: 14.SEP.2022 10:12:04



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

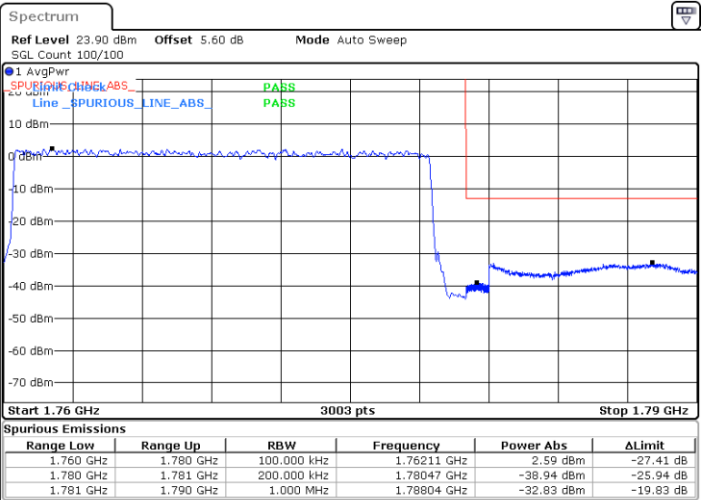
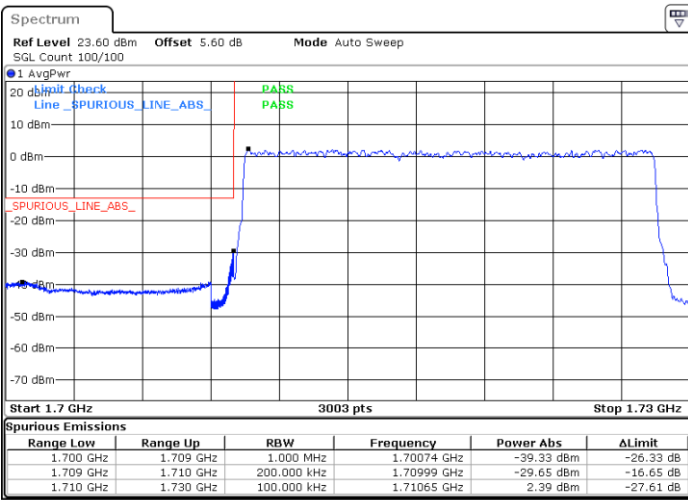


Date: 14.SEP.2022 09:44:31

Date: 14.SEP.2022 09:49:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 09:44:48

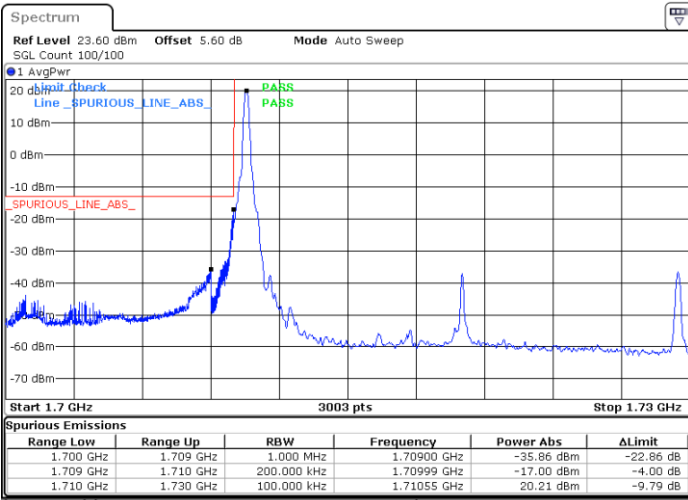
Date: 14.SEP.2022 09:51:04



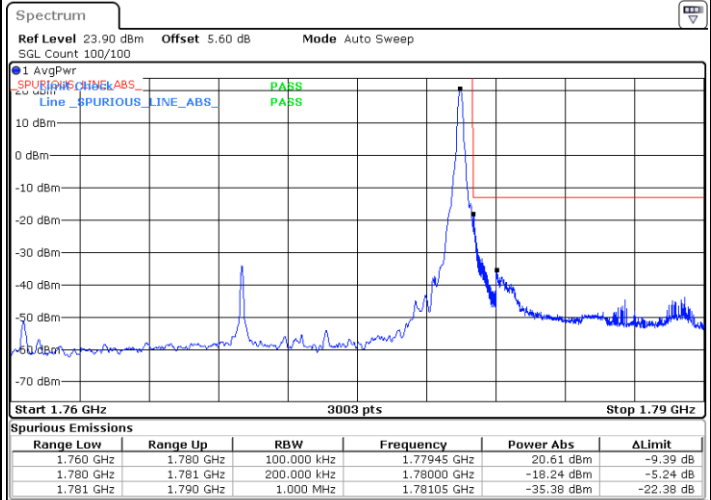
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



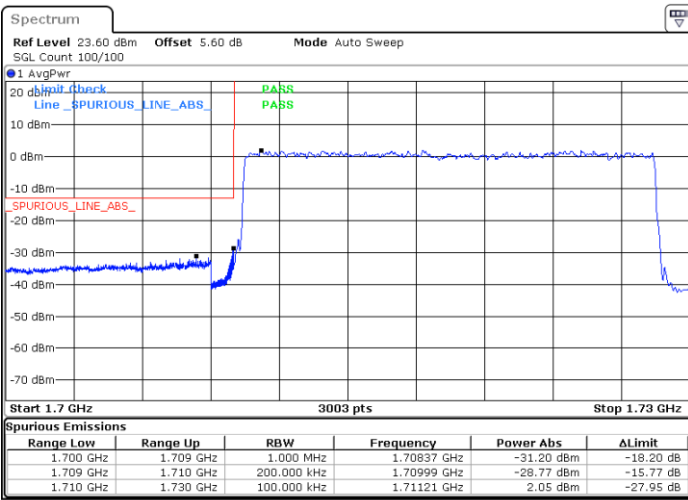
Date: 14.SEP.2022 09:44:08



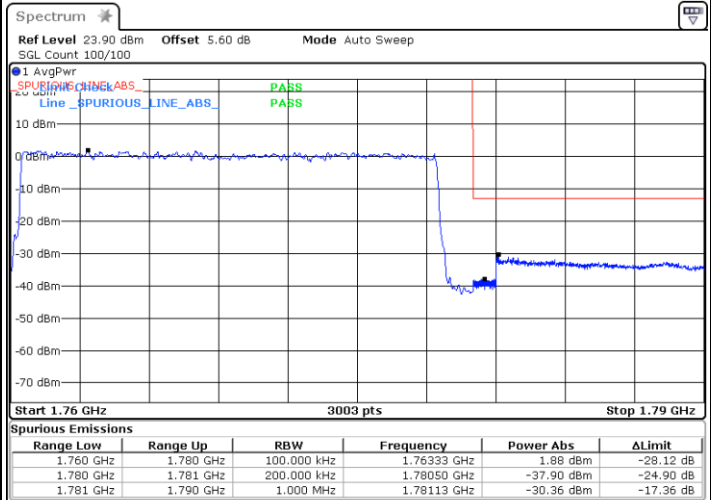
Date: 14.SEP.2022 09:49:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 09:45:07



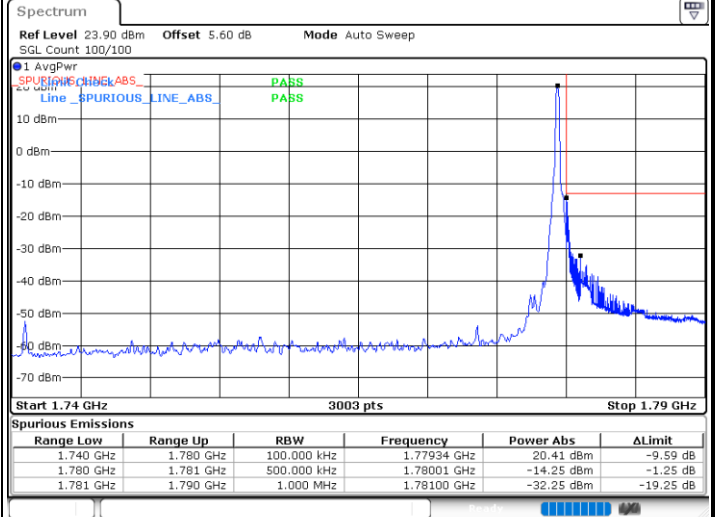
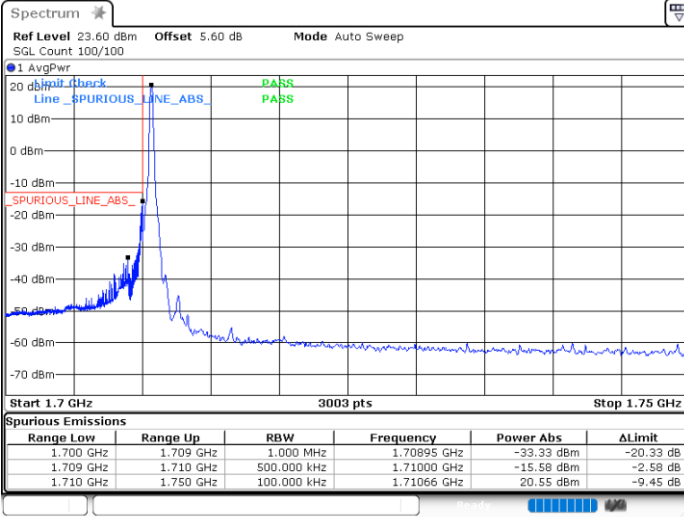
Date: 14.SEP.2022 09:50:41



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

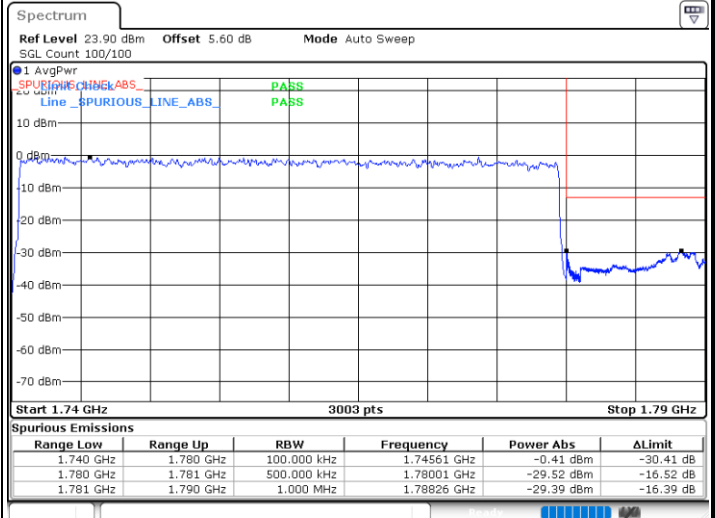
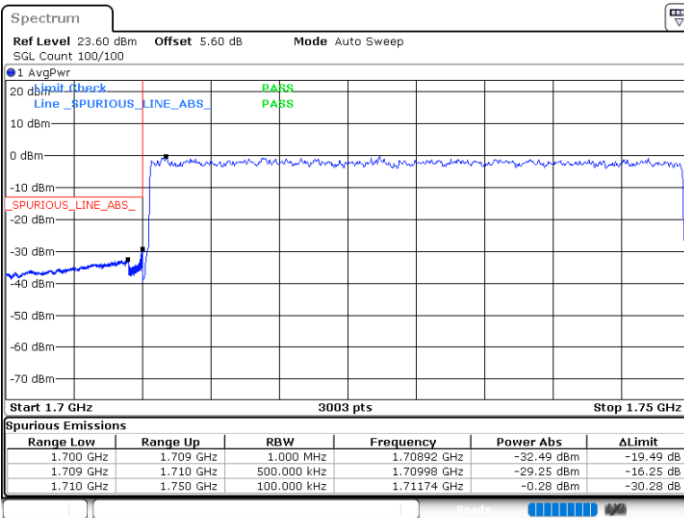


Date: 14.SEP.2022 09:23:31

Date: 14.SEP.2022 09:27:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 09:25:31

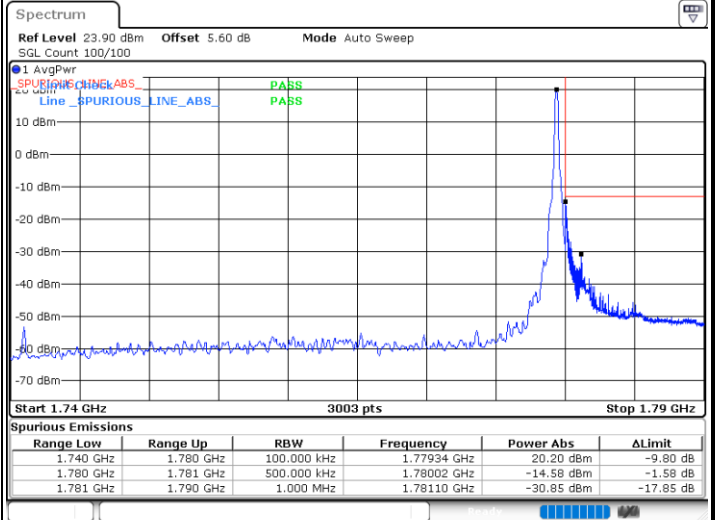
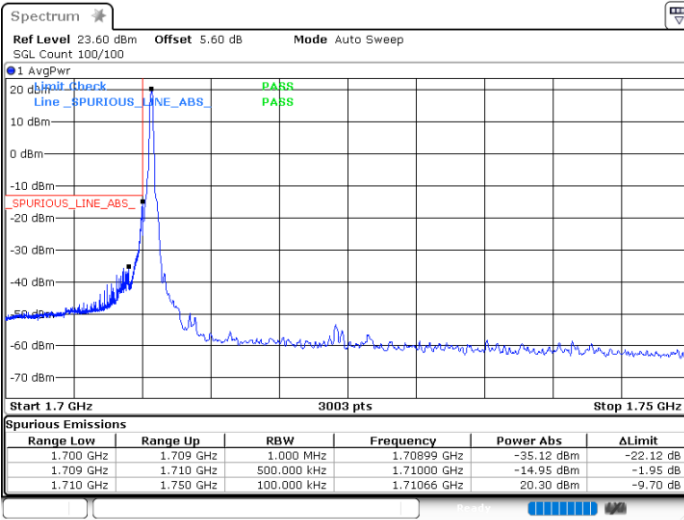
Date: 14.SEP.2022 09:26:33



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

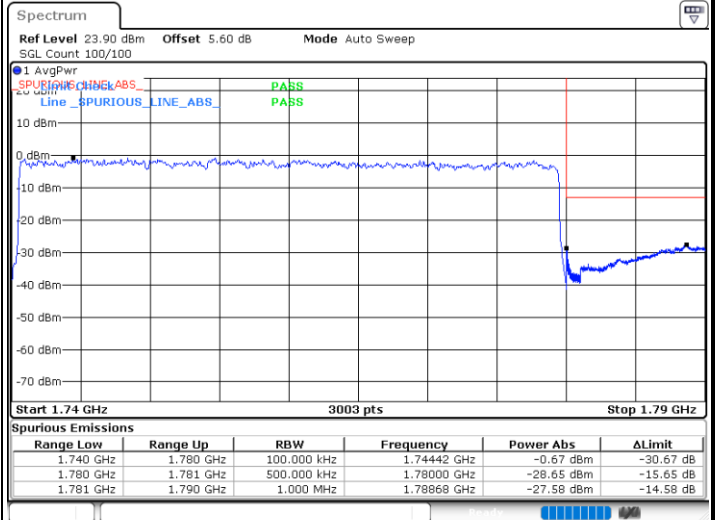
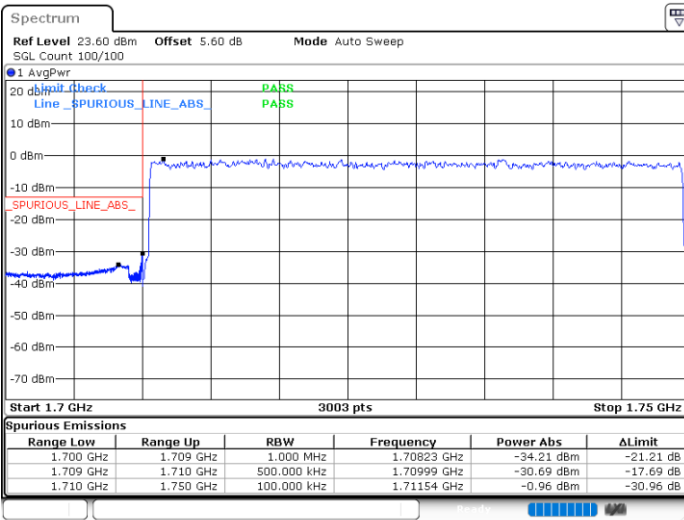


Date: 14.SEP.2022 09:24:26

Date: 14.SEP.2022 09:27:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.SEP.2022 09:25:51

Date: 14.SEP.2022 09:26:18

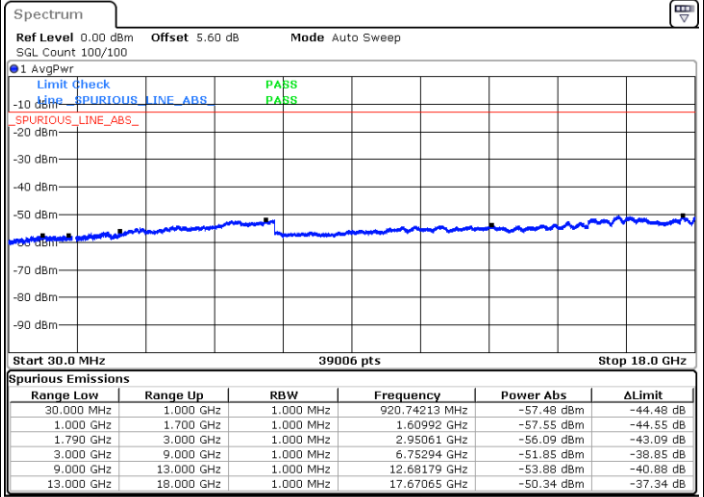
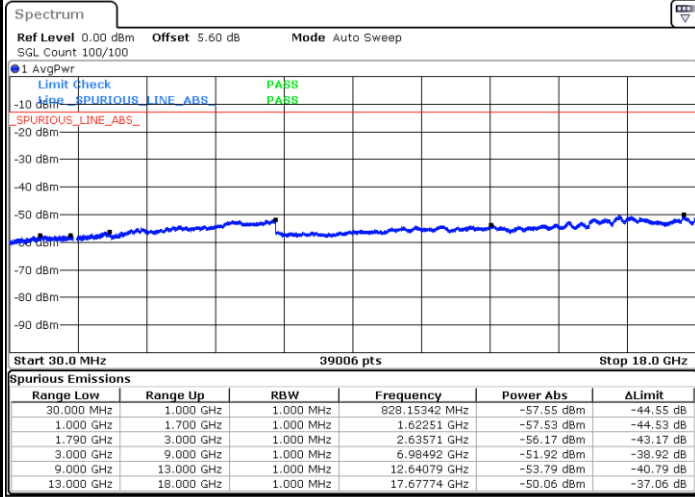


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

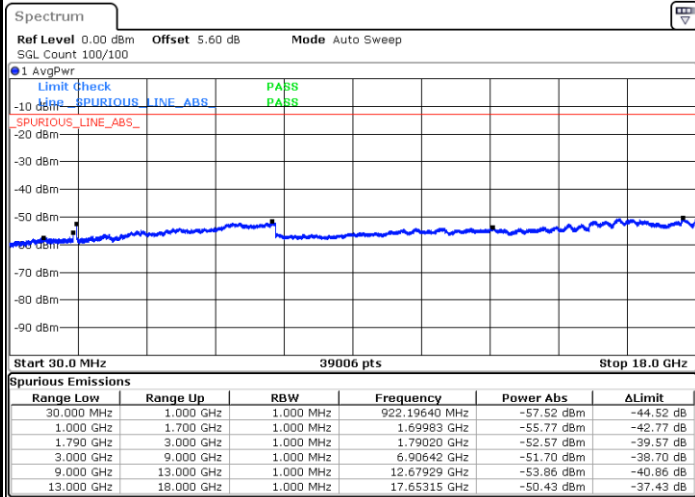
Middle Channel / 1RB1



Date: 14.SEP.2022 10:06:28

Date: 14.SEP.2022 10:00:29

Highest Channel / 1RB1



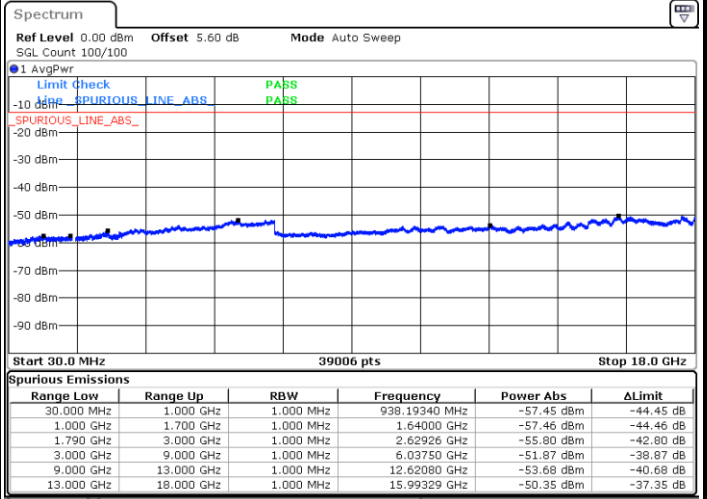
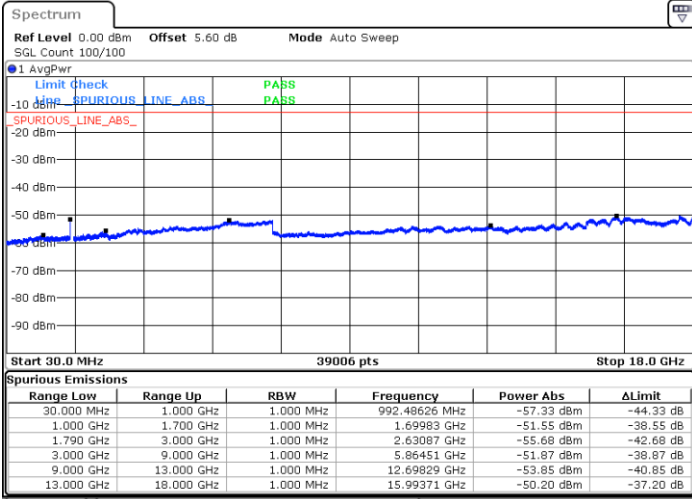
Date: 14.SEP.2022 10:09:09



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

Lowest Channel / 1RB1

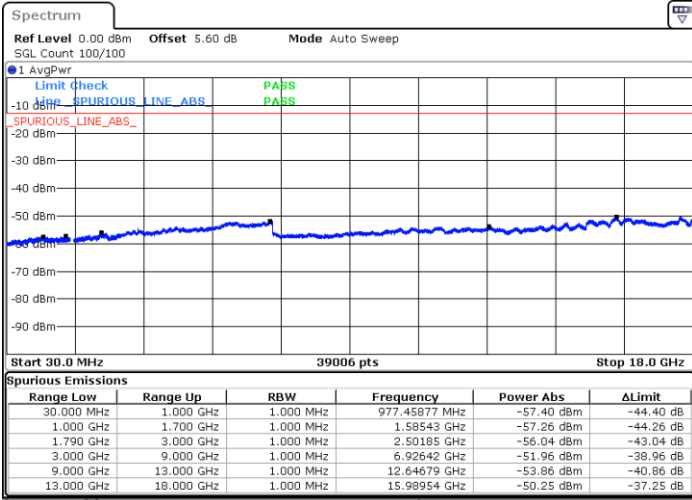
Middle Channel / 1RB1



Date: 14.SEP.2022 10:07:18

Date: 14.SEP.2022 09:59:18

Highest Channel / 1RB1



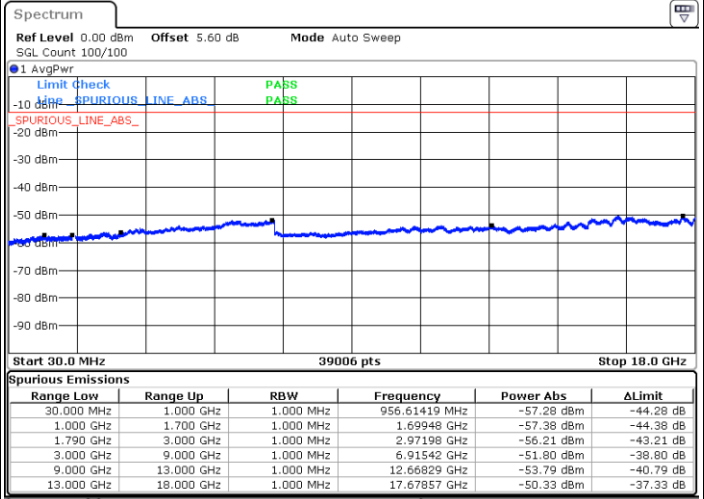
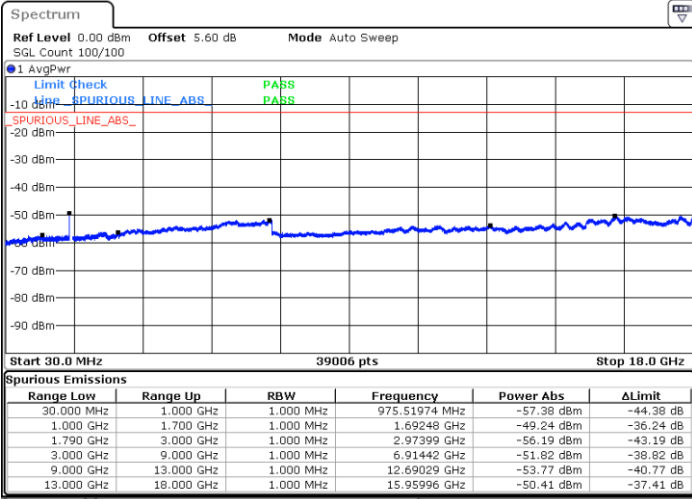
Date: 14.SEP.2022 10:08:02



FR1 n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

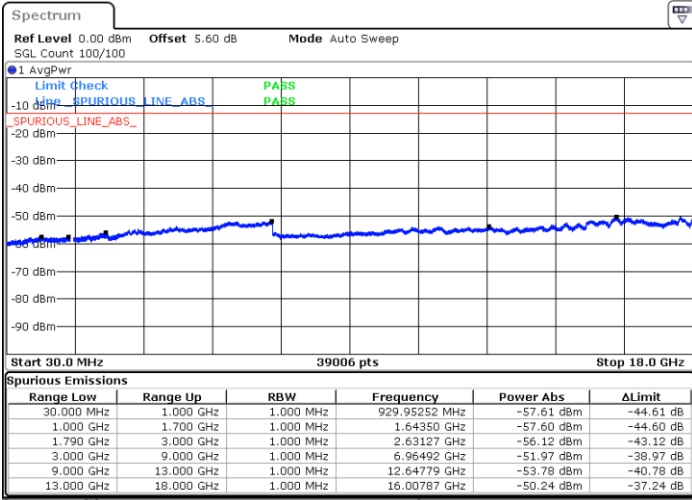
Middle Channel / 1RB1



Date: 14.SEP.2022 09:43:29

Date: 14.SEP.2022 09:40:34

Highest Channel / 1RB1



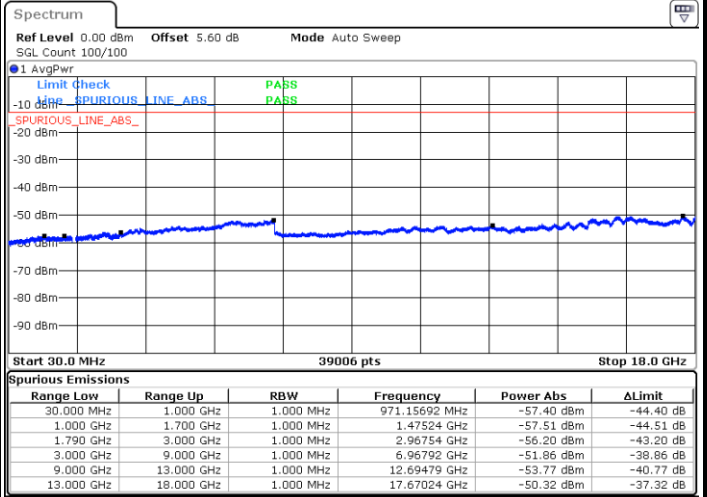
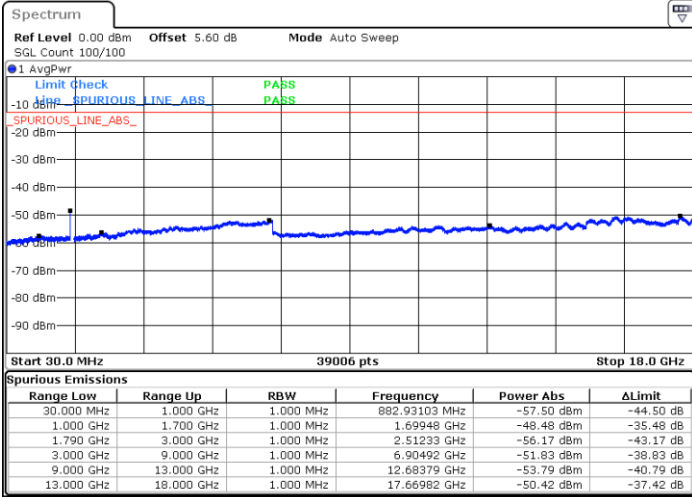
Date: 14.SEP.2022 09:48:21



FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

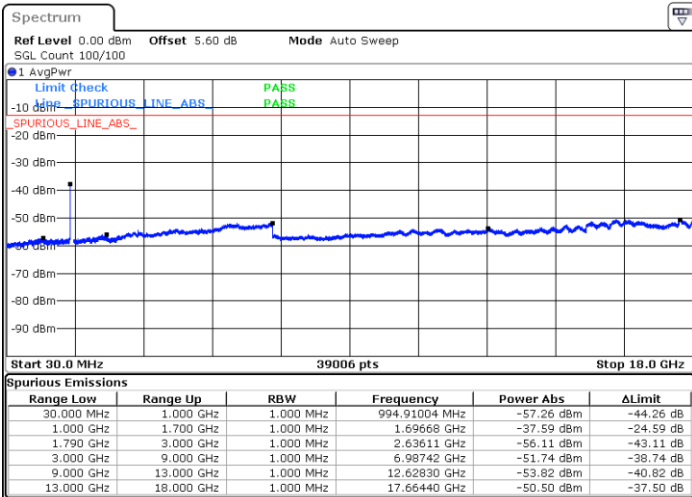
Middle Channel / 1RB1



Date: 14.SEP.2022 09:42:48

Date: 14.SEP.2022 09:42:06

Highest Channel / 1RB1



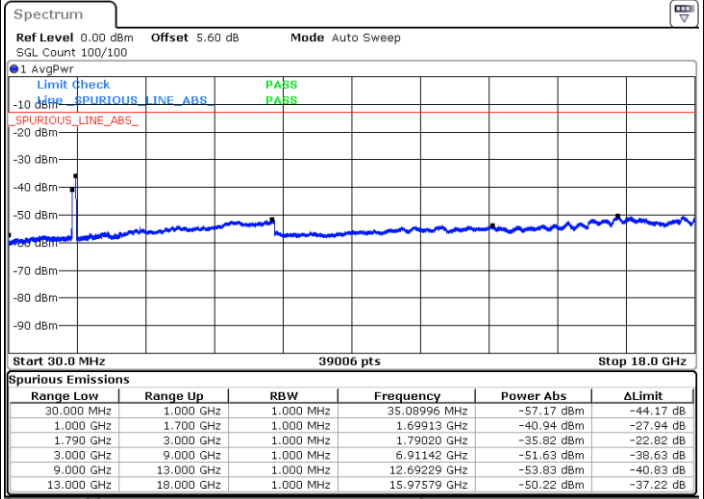
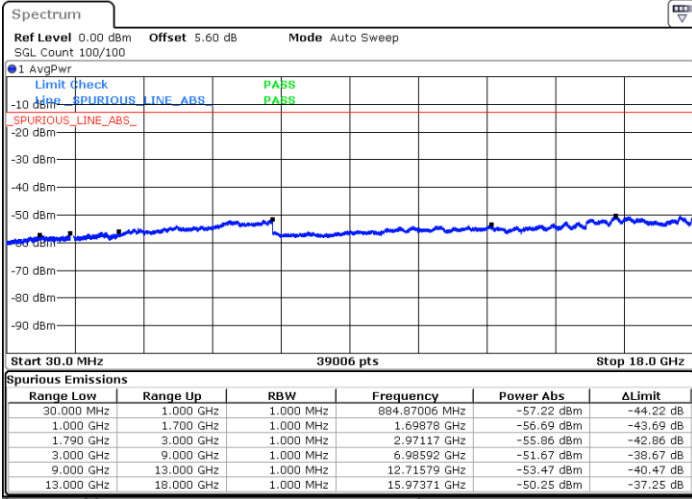
Date: 14.SEP.2022 09:46:52



FR1 n66 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

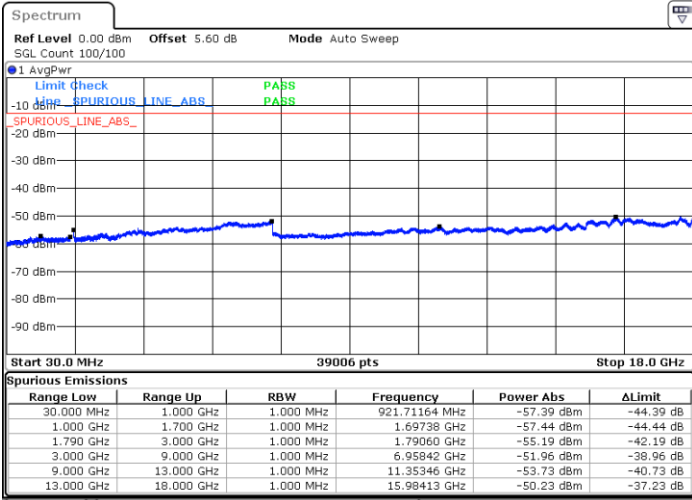
Middle Channel / 1RB1



Date: 14.SEP.2022 09:21:59

Date: 14.SEP.2022 09:18:08

Highest Channel / 1RB1



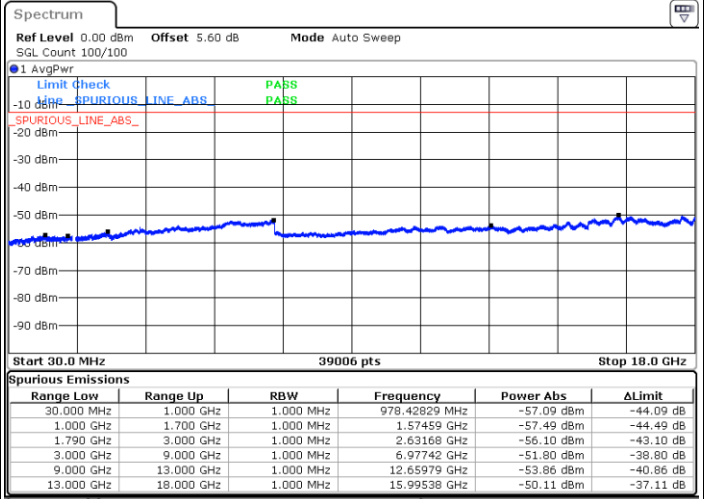
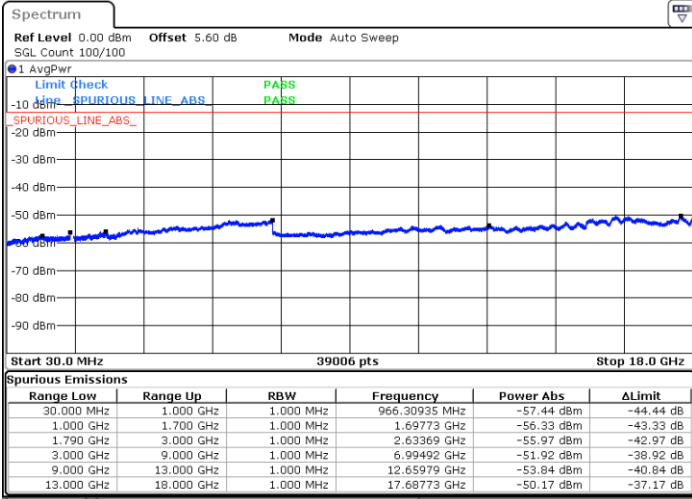
Date: 14.SEP.2022 09:29:24



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

Lowest Channel / 1RB1

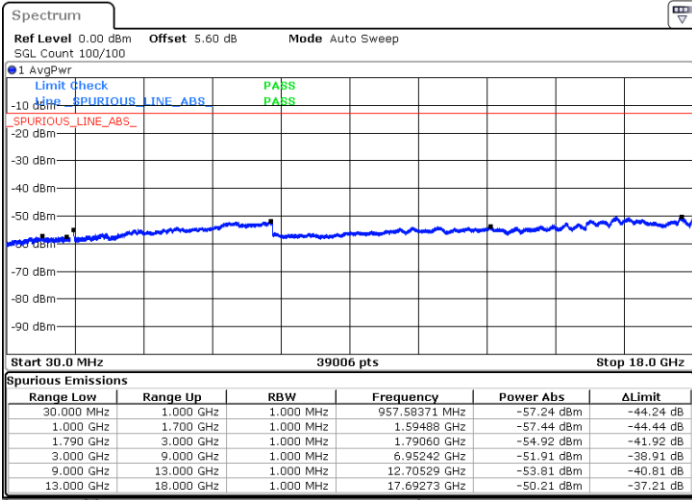
Middle Channel / 1RB1



Date: 14.SEP.2022 09:20:48

Date: 14.SEP.2022 09:20:04

Highest Channel / 1RB1



Date: 14.SEP.2022 09:27:59



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0002	

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 n5 / NR 20MHz / QPSK / ANT1								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-62.39	-13	-49.39	-69.36	1.58	10.70	H
	2480	-57.50	-13	-44.50	-65.75	2.10	12.50	H
	3312	-56.84	-13	-43.84	-65.73	2.86	13.90	H
	1656	-61.44	-13	-48.44	-68.41	1.58	10.70	V
	2480	-55.86	-13	-42.86	-64.11	2.10	12.50	V
	3312	-56.96	-13	-43.96	-65.85	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK/ ANT1+0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-64.55	-13	-51.55	-71.52	1.58	10.70	H
	2480	-60.73	-13	-47.73	-68.98	2.10	12.50	H
	3312	-59.65	-13	-46.65	-68.54	2.86	13.90	H
	1656	-64.08	-13	-51.08	-71.05	1.58	10.70	V
	2480	-58.57	-13	-45.57	-66.82	2.10	12.50	V
	3312	-59.72	-13	-46.72	-68.61	2.86	13.90	V

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

SA n2 / NR 20MHz / QPSK / ANT1								
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	3735	-55.95	-13	-42.95	-68.21	2.64	14.90	H
	5610	-52.25	-13	-39.25	-64.11	2.94	14.80	H
	7485	-49.18	-13	-36.18	-58.95	3.39	13.16	H
	3735	-56.02	-13	-43.02	-68.28	2.64	14.90	V
	5610	-49.44	-13	-36.44	-61.30	2.94	14.80	V
	7485	-50.14	-13	-37.14	-59.91	3.39	13.16	V

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



EN-DC_7A_n2A / LTE 20MHz + NR 20MHz / QPSK/ ANT2+1								
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	3741	-57.11	-13	-44.11	-69.37	2.64	14.90	H
	5613	-52.42	-13	-39.42	-64.28	2.94	14.80	H
	7488	-51.75	-13	-38.75	-61.52	3.39	13.16	H
	3741	-56.66	-13	-43.66	-68.92	2.64	14.90	V
	5613	-52.02	-13	-39.02	-63.88	2.94	14.80	V
	7488	-51.12	-13	-38.12	-60.89	3.39	13.16	V

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

SA n66 / NR 40MHz / QPSK / ANT1								
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	3450	-56.62	-13	-43.62	-67.36	2.604	13.34	H
	5175	-54.65	-13	-41.65	-65.16	3.011	13.52	H
	6915	-52.90	-13	-39.90	-63.10	3.271	13.47	H
	3450	-56.65	-13	-43.65	-67.39	2.604	13.34	V
	5175	-54.65	-13	-41.65	-65.16	3.011	13.52	V
	6915	-53.04	-13	-40.04	-63.24	3.271	13.47	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK/ ANT2+1								
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	3453	-57.58	-13	-44.58	-68.32	2.604	13.34	H
	5181	-55.45	-13	-42.45	-65.96	3.011	13.52	H
	6912	-53.84	-13	-40.84	-64.04	3.271	13.47	H
	3453	-57.76	-13	-44.76	-68.50	2.604	13.34	V
	5181	-55.18	-13	-42.18	-65.69	3.011	13.52	V
	6912	-53.22	-13	-40.22	-63.42	3.271	13.47	V

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