

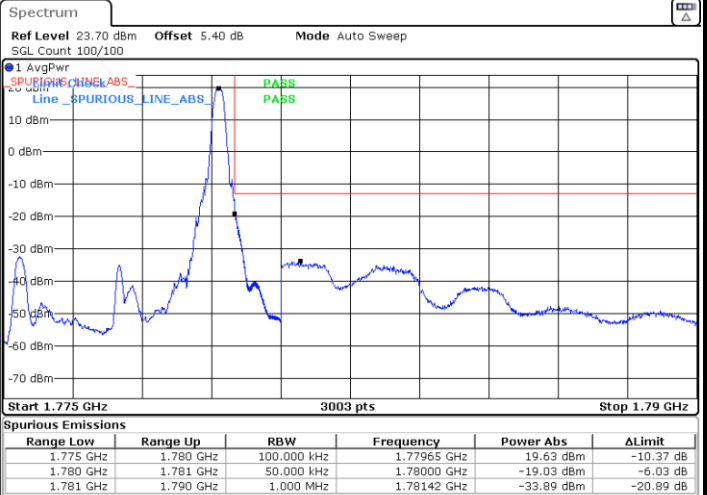
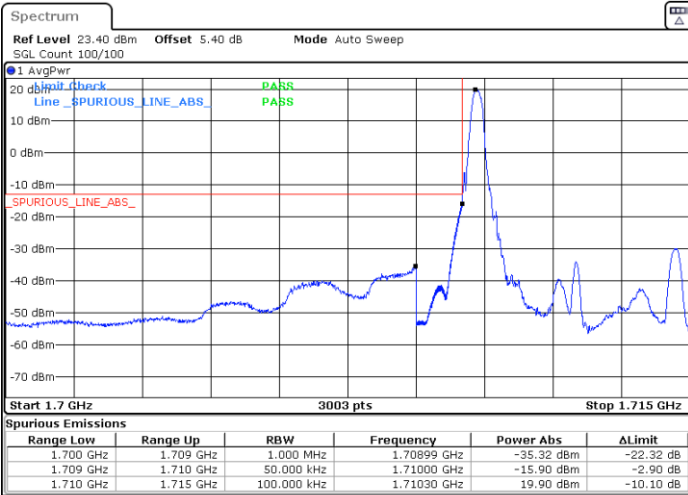


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

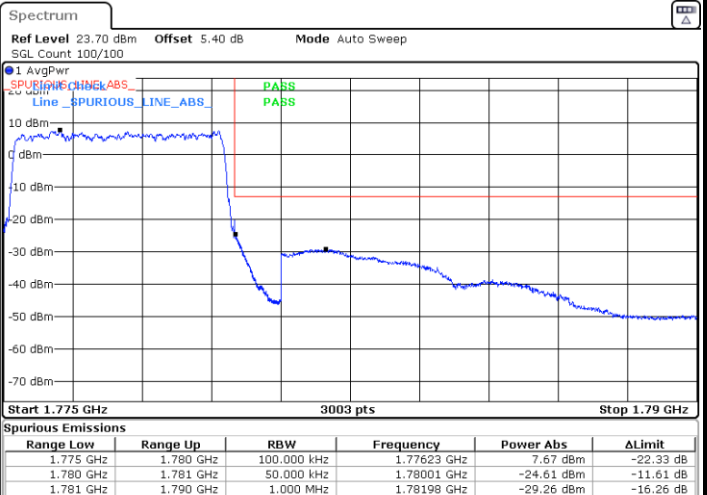
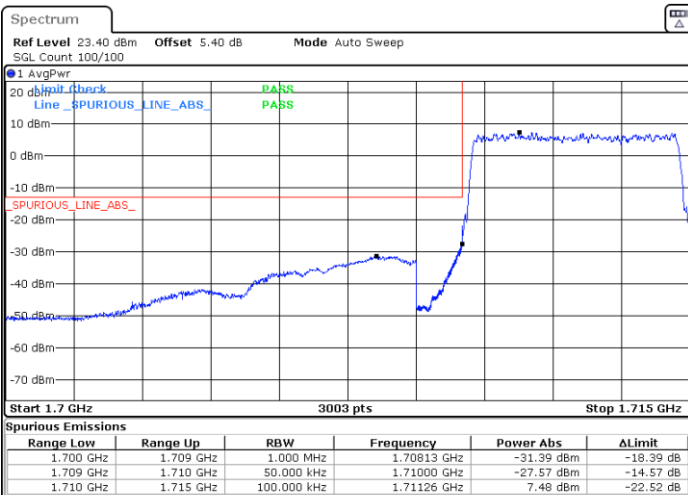


Date: 26 JUN 2022 15:45:33

Date: 26 JUN 2022 15:57:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 15:48:46

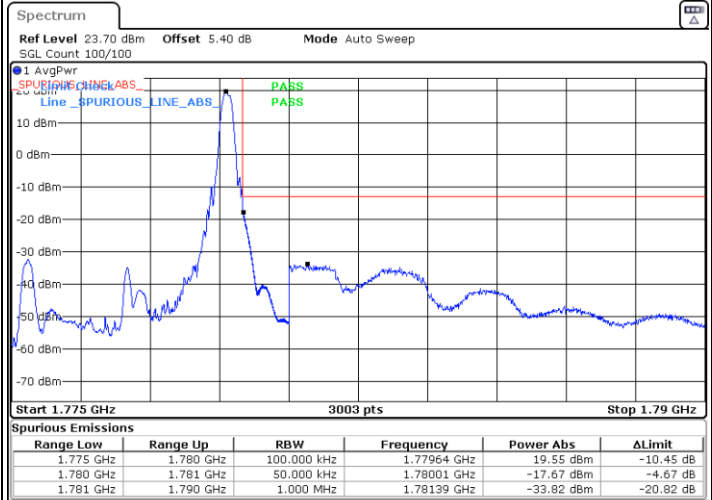
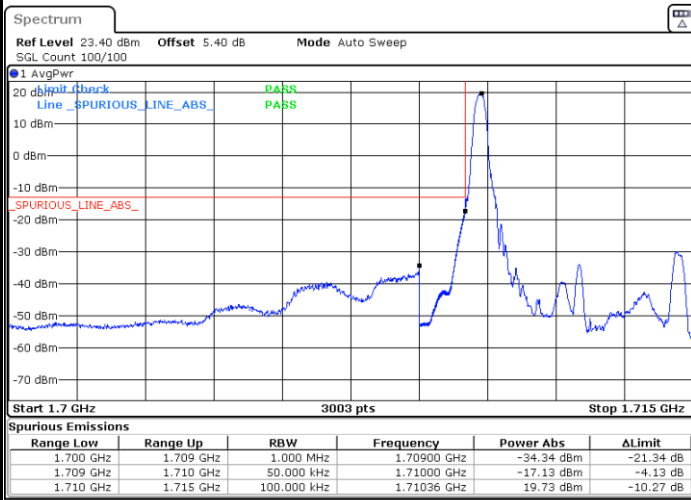
Date: 26 JUN 2022 15:59:31



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

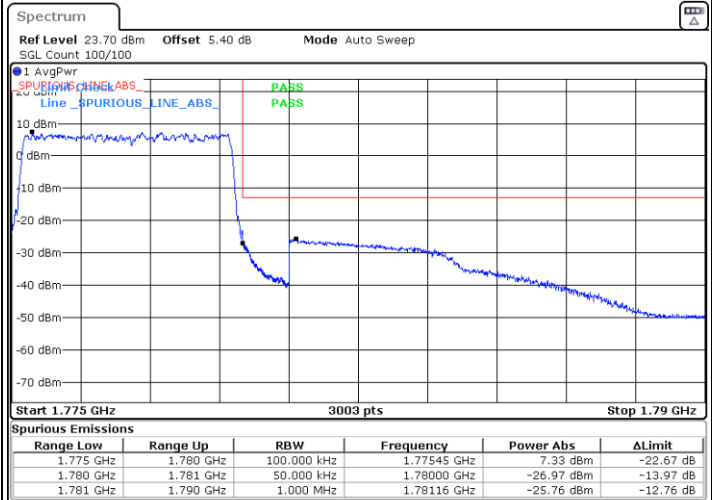
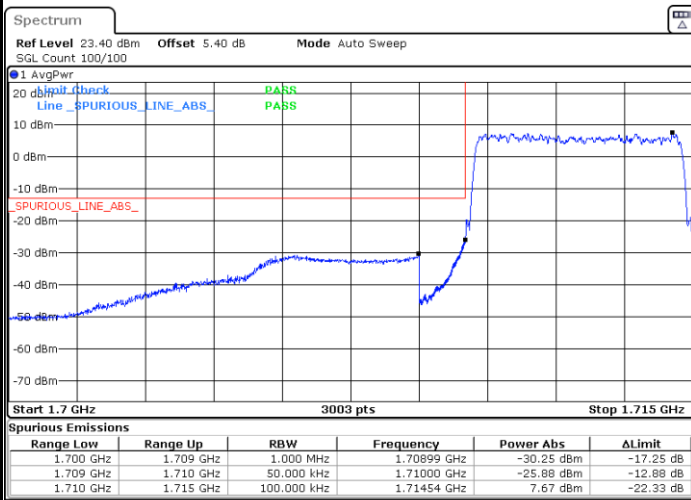


Date: 26. JUN. 2022 15:47:30

Date: 26. JUN. 2022 15:58:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26. JUN. 2022 15:48:15

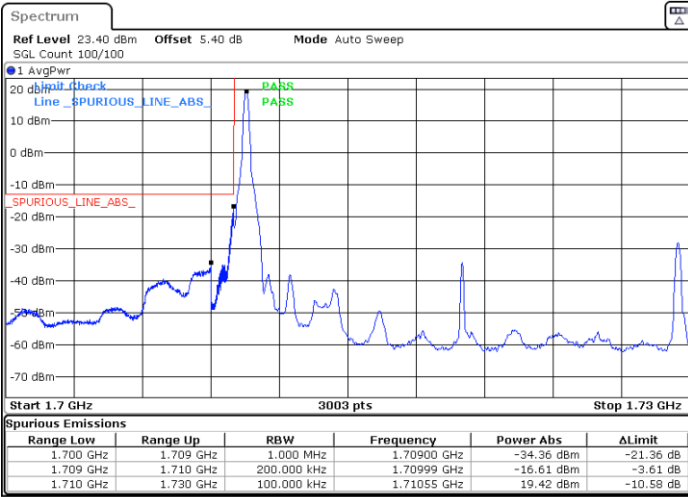
Date: 26. JUN. 2022 15:59:03



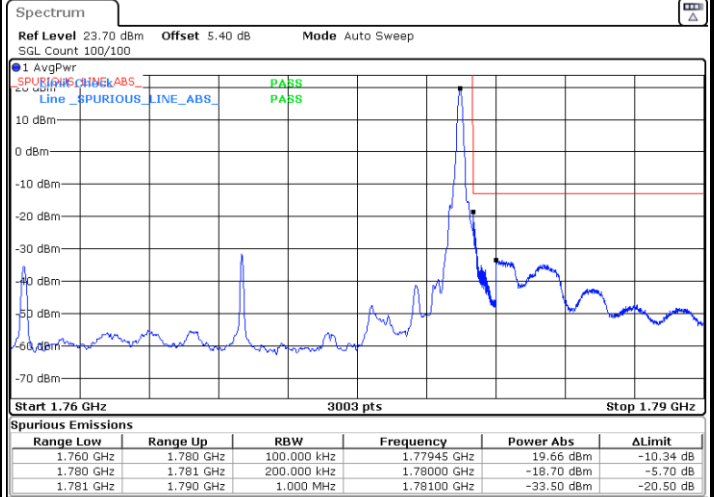
FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



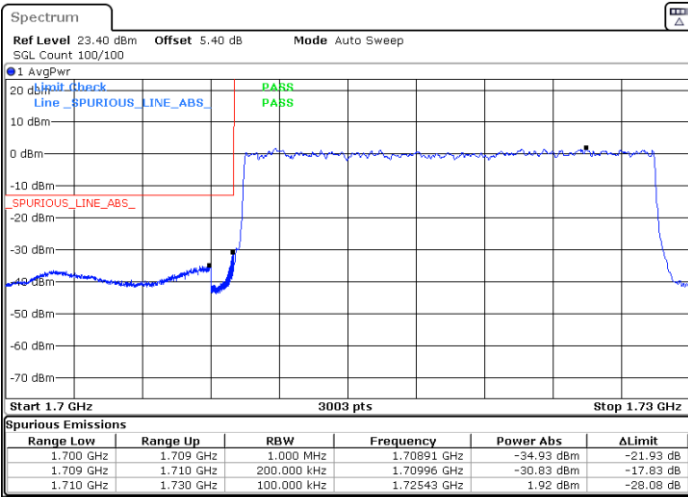
Date: 26 JUN.2022 16:19:51



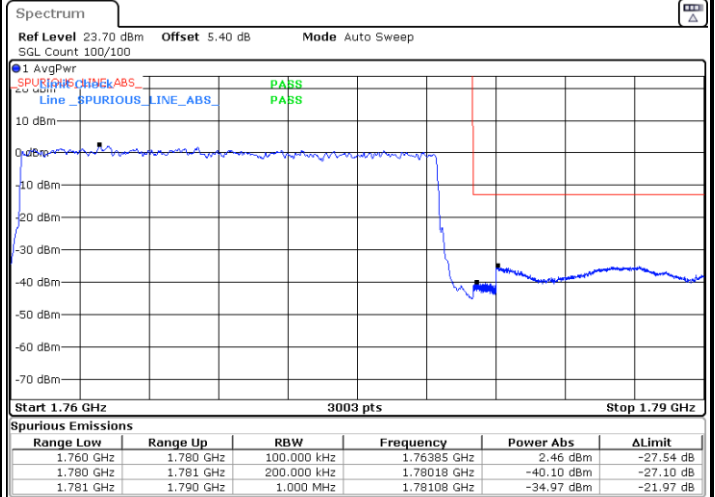
Date: 26 JUN.2022 16:21:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN.2022 16:20:49



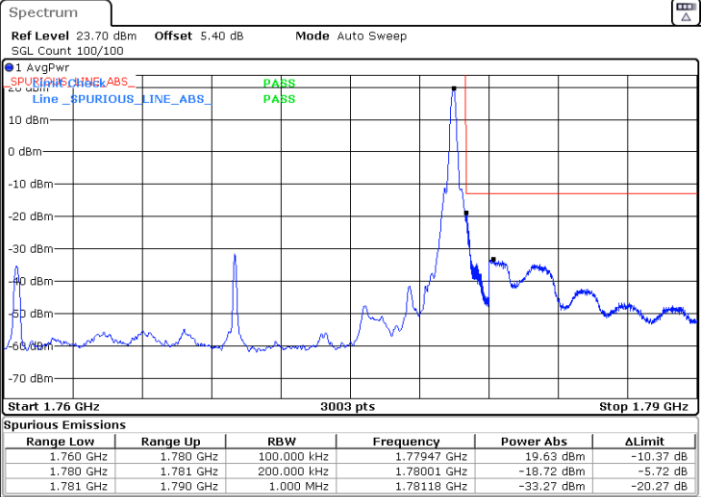
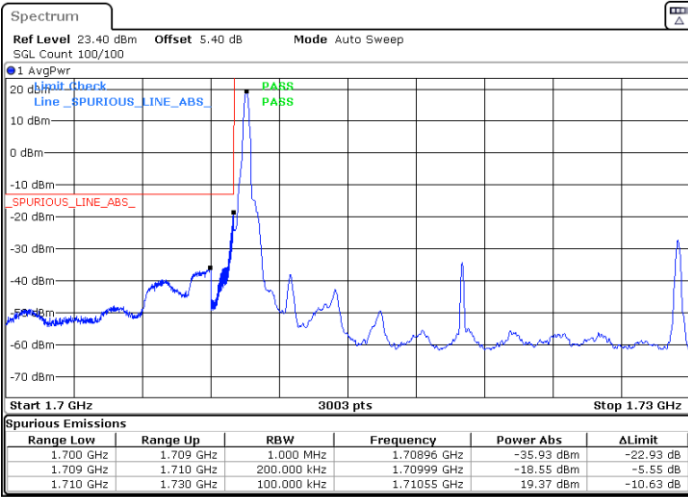
Date: 26 JUN.2022 16:22:56



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

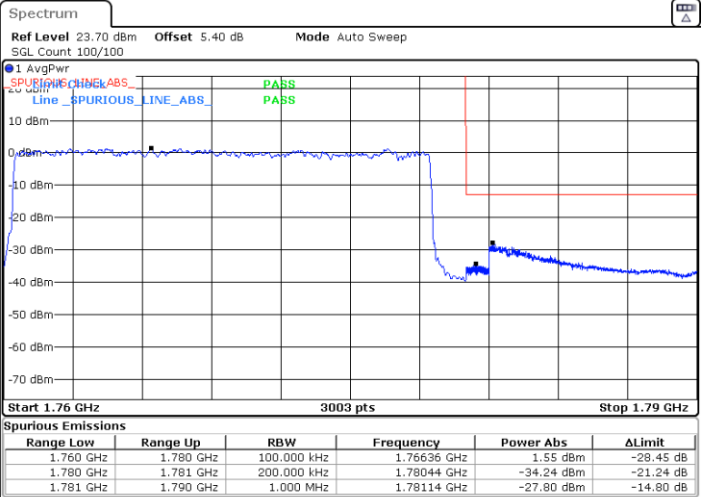
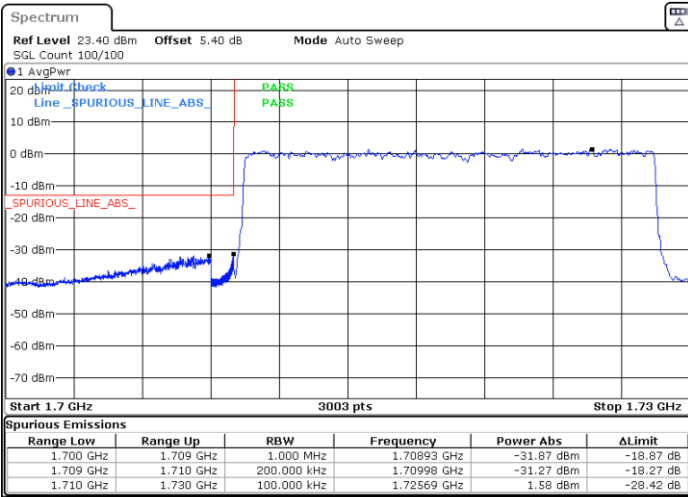


Date: 26 JUN.2022 16:20:08

Date: 26 JUN.2022 16:21:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN.2022 16:20:30

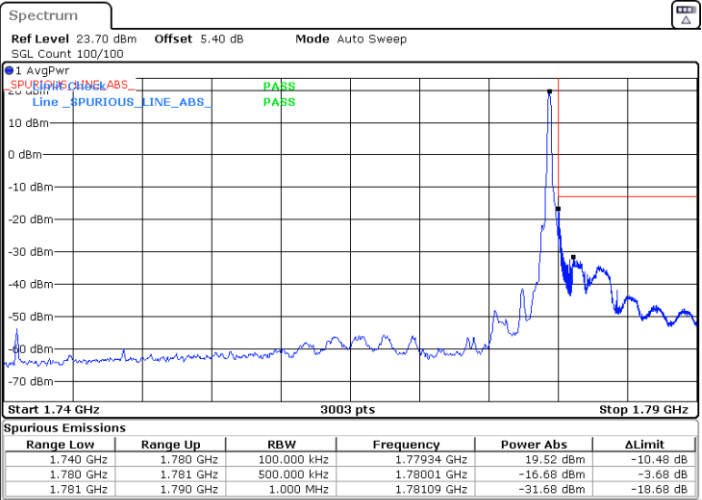
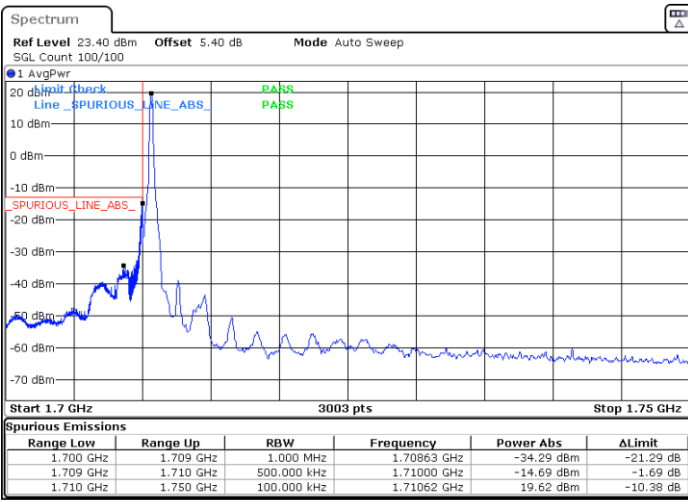
Date: 26 JUN.2022 16:22:08



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

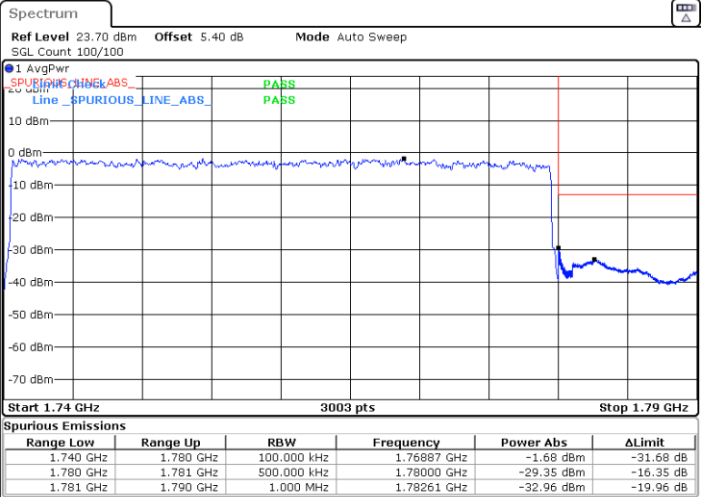
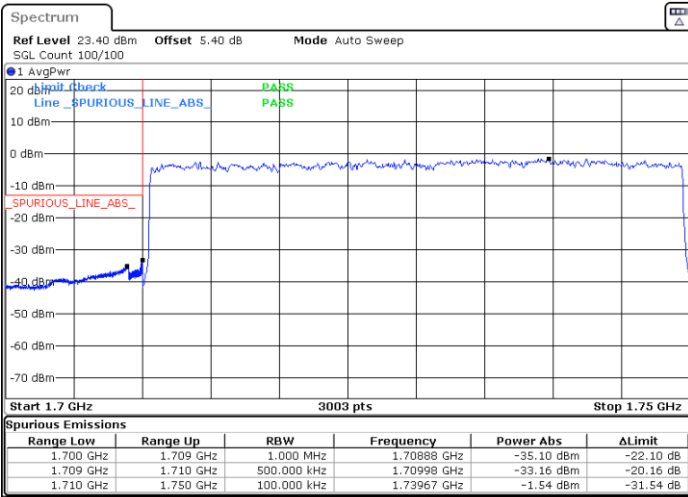


Date: 26 JUN.2022 16:39:10

Date: 26 JUN.2022 16:44:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN.2022 16:41:27

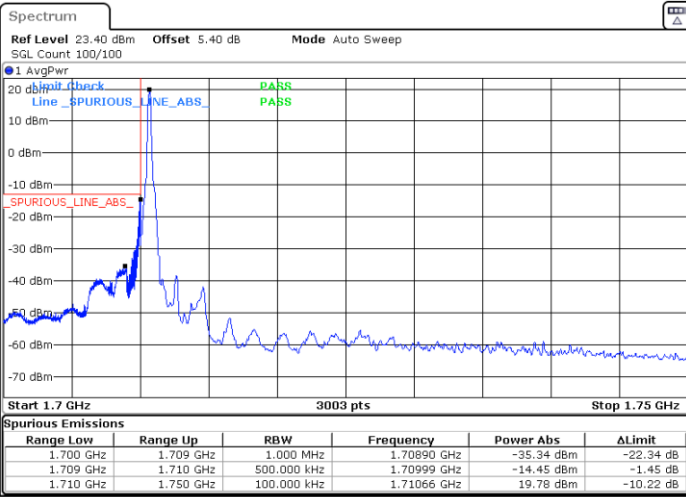
Date: 26 JUN.2022 16:42:28



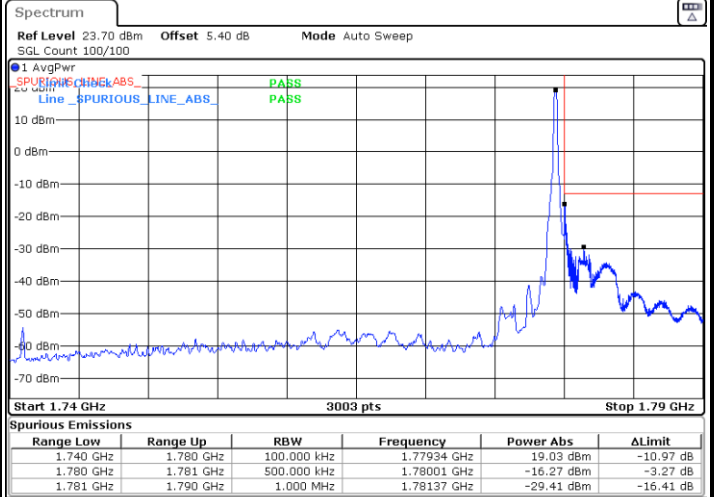
FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



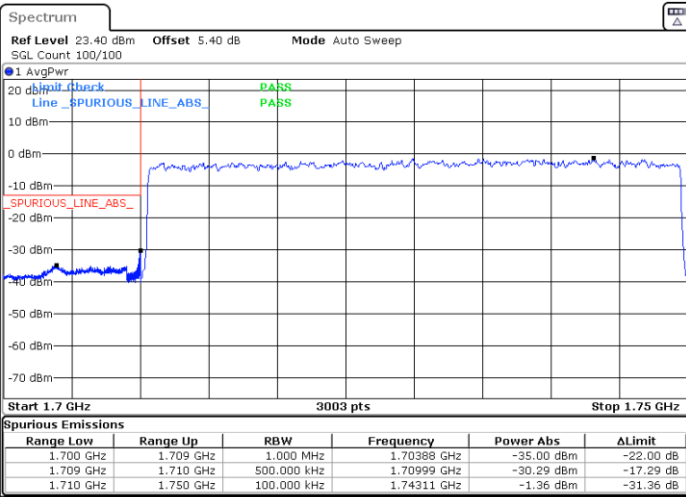
Date: 26 JUN 2022 16:40:38



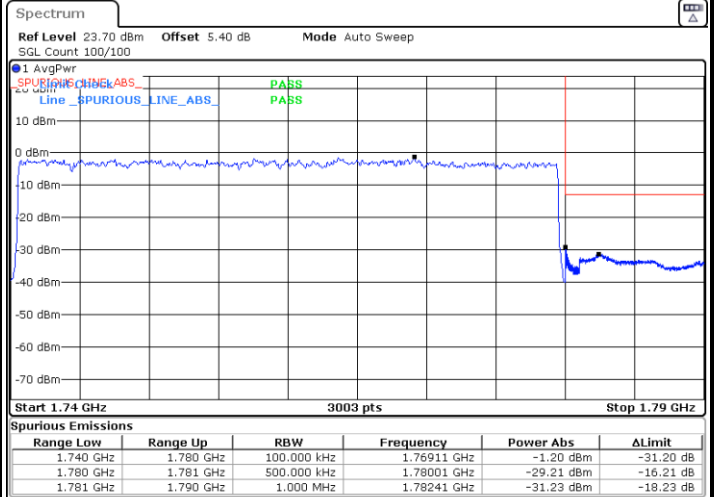
Date: 26 JUN 2022 16:43:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 16:41:05



Date: 26 JUN 2022 16:43:08

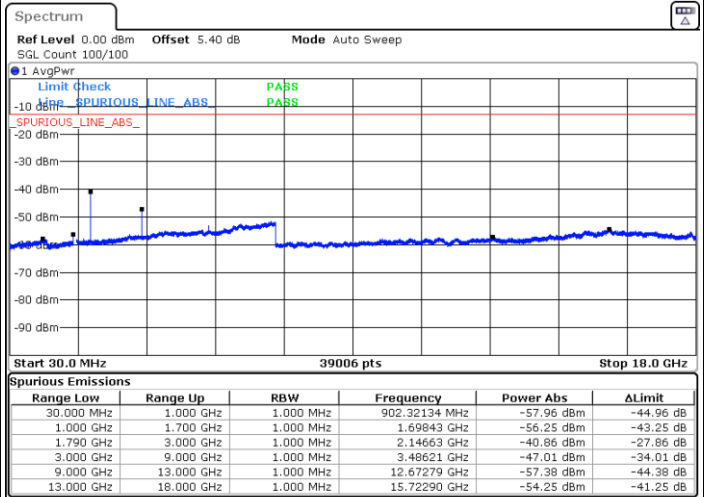
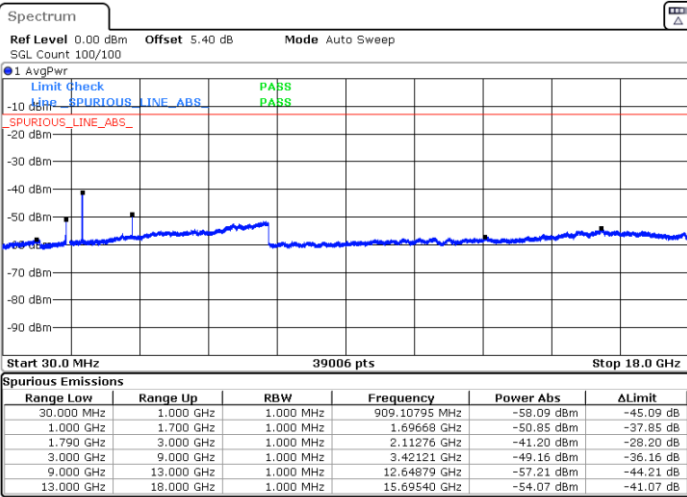


Conducted Spurious Emission

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

Lowest Channel / 1RB1

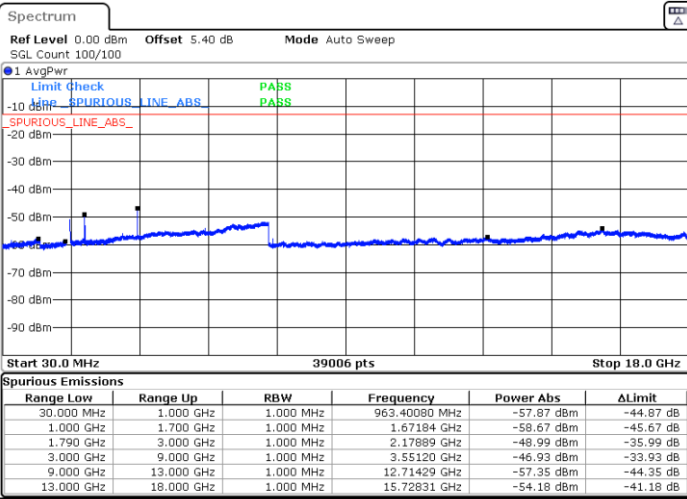
Middle Channel / 1RB1



Date: 26 JUN. 2022 15:43:53

Date: 26 JUN. 2022 15:50:31

Highest Channel / 1RB1



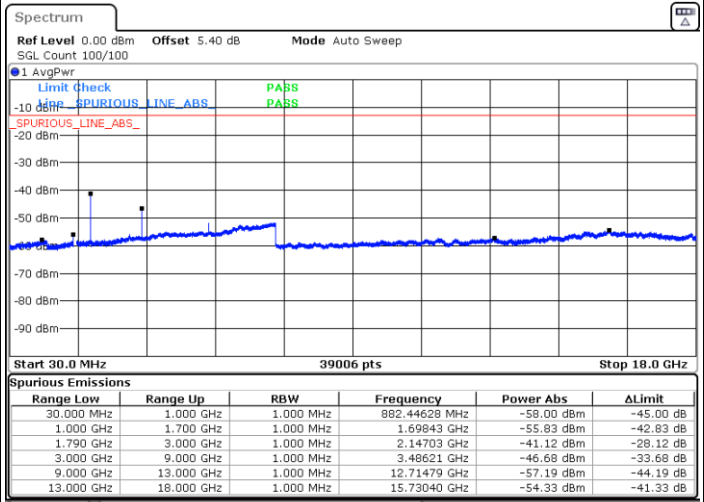
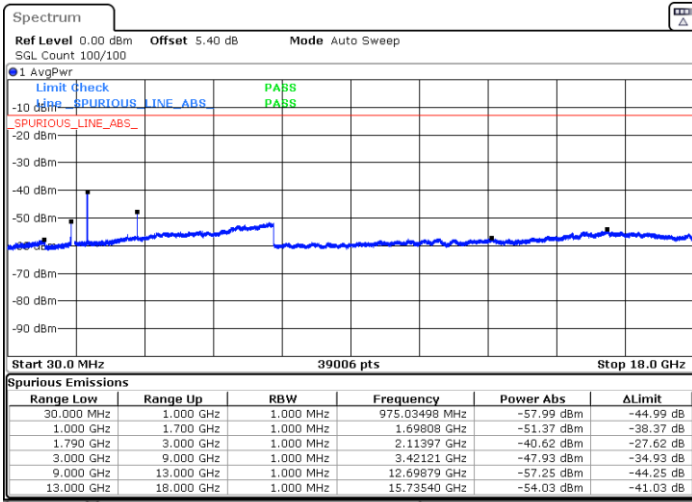
Date: 26 JUN. 2022 15:55:43



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

Lowest Channel / 1RB1

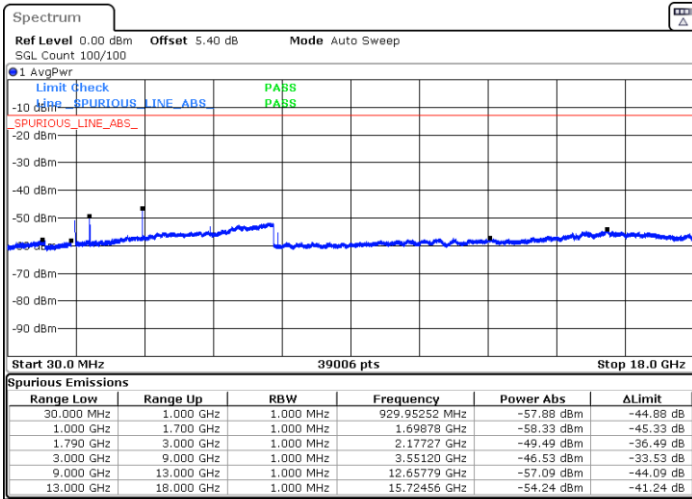
Middle Channel / 1RB1



Date: 26 JUN.2022 15:44:48

Date: 26 JUN.2022 15:51:21

Highest Channel / 1RB1



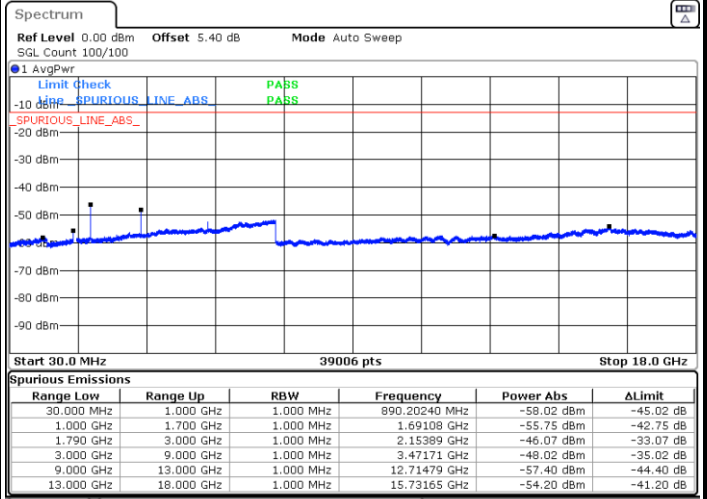
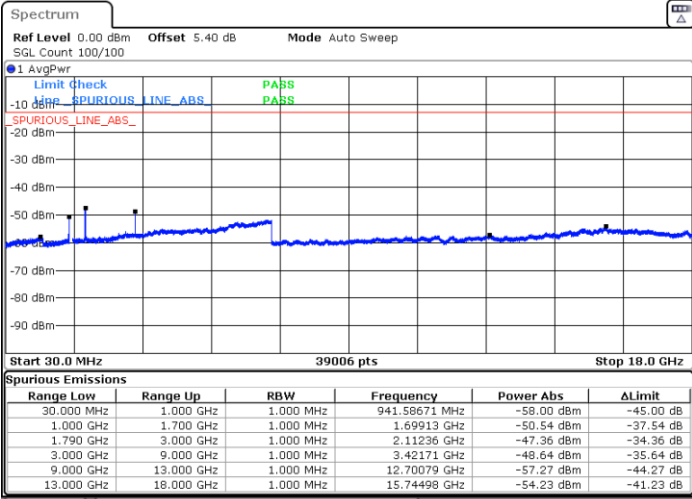
Date: 26 JUN.2022 15:57:07



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

Lowest Channel / 1RB1

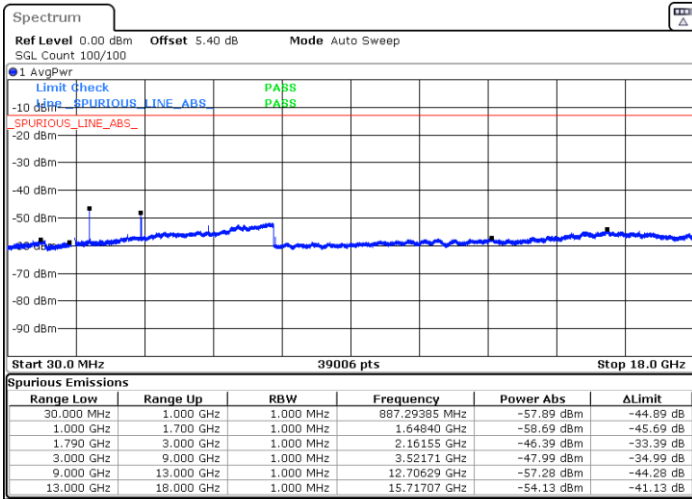
Middle Channel / 1RB1



Date: 26.JUN.2022 16:17:51

Date: 26.JUN.2022 16:15:08

Highest Channel / 1RB1



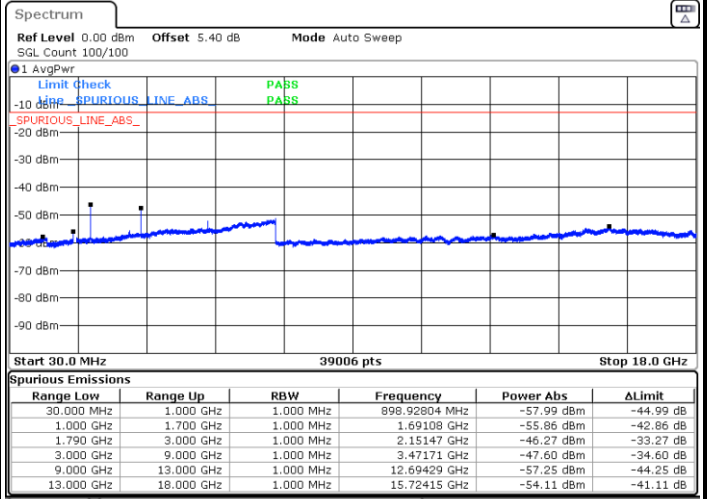
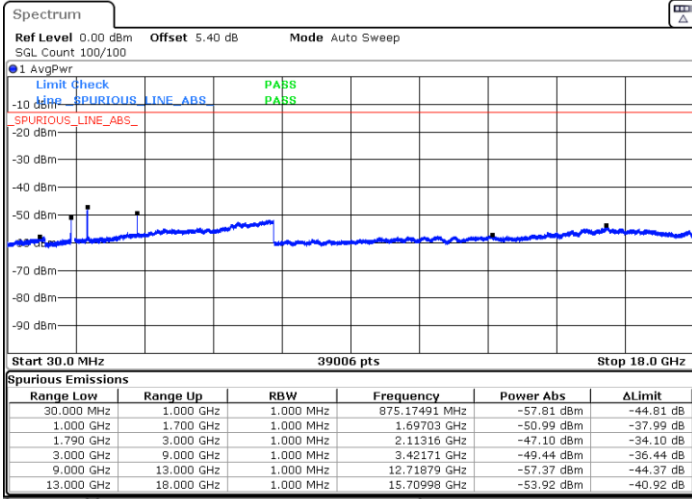
Date: 26.JUN.2022 16:23:54



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

Lowest Channel / 1RB1

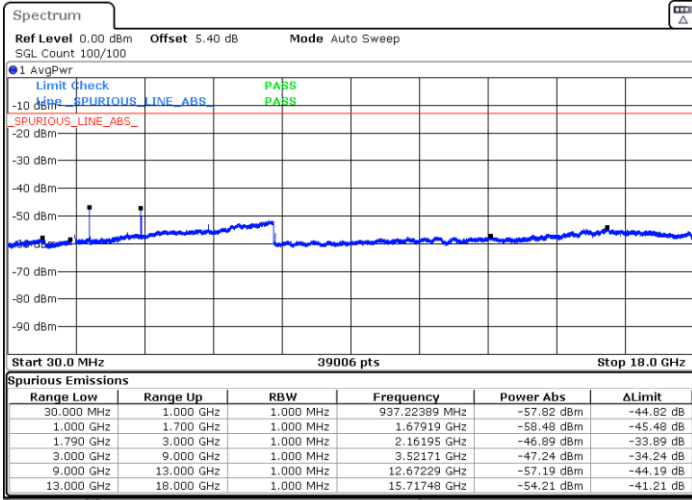
Middle Channel / 1RB1



Date: 26 JUN.2022 16:18:57

Date: 26 JUN.2022 16:16:33

Highest Channel / 1RB1



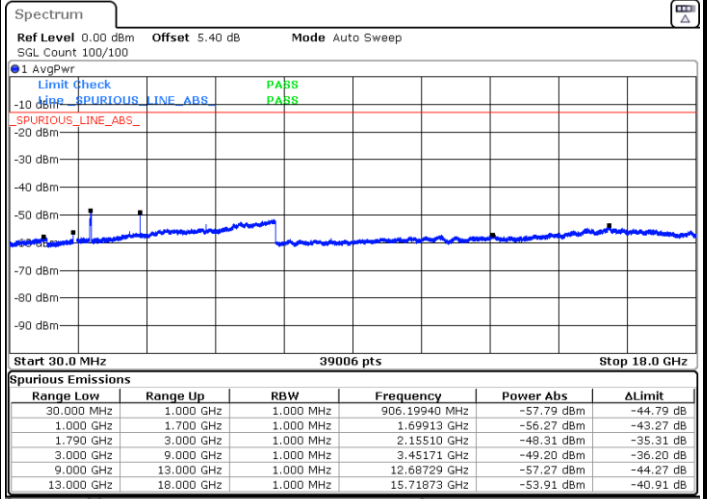
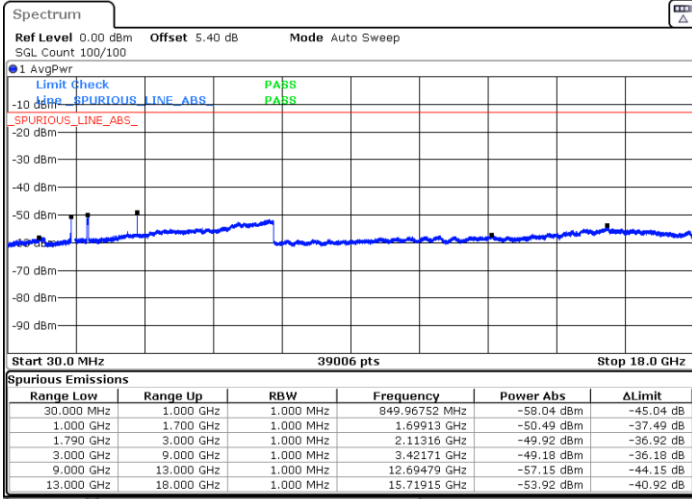
Date: 26 JUN.2022 16:24:38



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

Lowest Channel / 1RB1

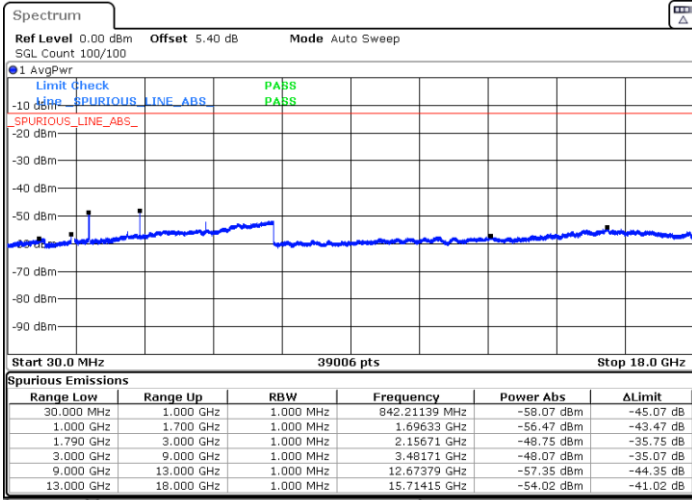
Middle Channel / 1RB1



Date: 26 JUN.2022 16:39:54

Date: 26 JUN.2022 16:35:29

Highest Channel / 1RB1



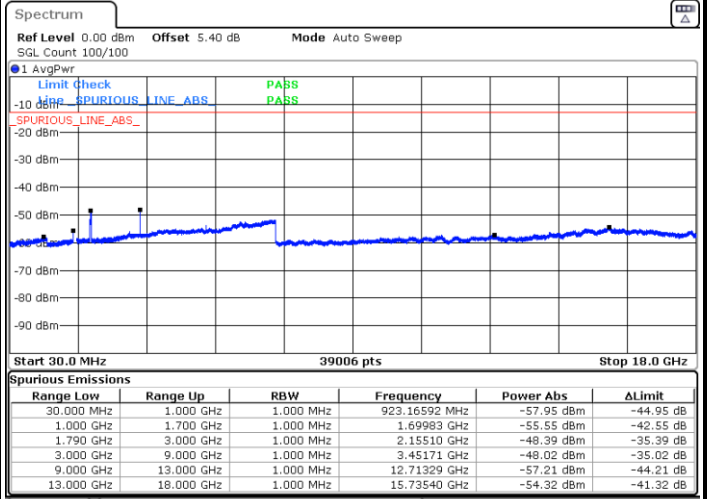
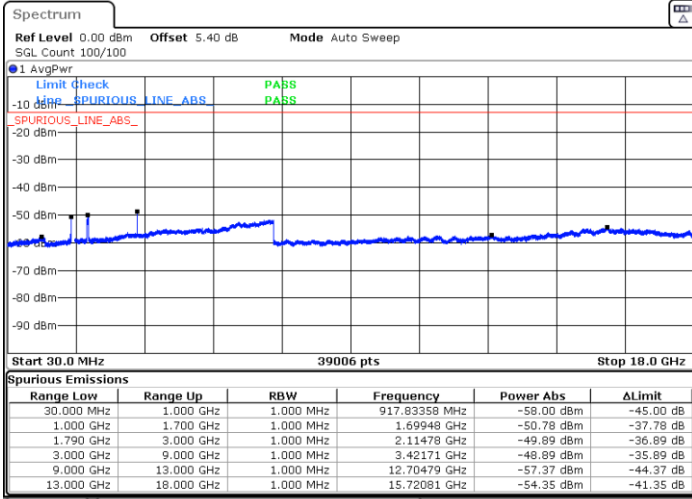
Date: 26 JUN.2022 16:45:16



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

Lowest Channel / 1RB1

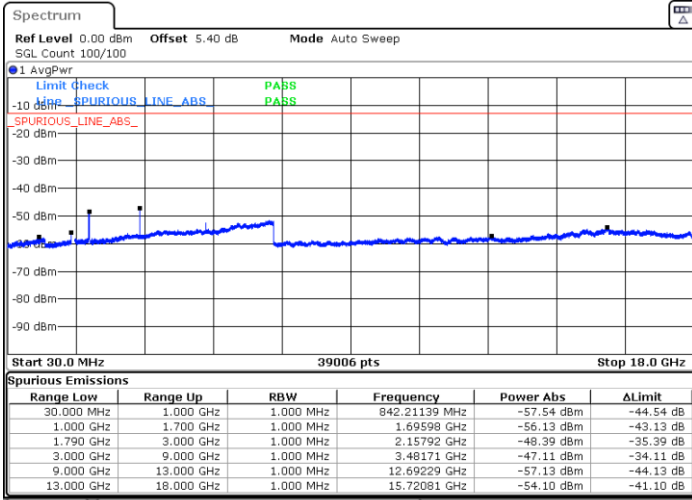
Middle Channel / 1RB1



Date: 26 JUN.2022 16:38:29

Date: 26 JUN.2022 16:36:52

Highest Channel / 1RB1



Date: 26 JUN.2022 16:46:01



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

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

Test Engineer :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

EN-DC_7A_n2A / LTE 20MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT0(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	3741	-59.20	-13	-46.20	-71.46	2.64	14.90	H
	5613	-56.67	-13	-43.67	-68.53	2.94	14.80	H
	7488	-53.81	-13	-40.81	-63.58	3.39	13.16	H
	3741	-58.83	-13	-45.83	-71.09	2.64	14.90	V
	5613	-57.69	-13	-44.69	-69.55	2.94	14.80	V
	7488	-54.46	-13	-41.46	-64.23	3.39	13.16	V

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

SA n5 / NR 20MHz / QPSK / ANT0								
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	-64.69	-13	-51.69	-71.66	1.58	10.70	H
	2480	-60.40	-13	-47.40	-68.65	2.10	12.50	H
	3312	-59.98	-13	-46.98	-68.87	2.86	13.90	H
	1656	-64.21	-13	-51.21	-71.18	1.58	10.70	V
	2480	-58.89	-13	-45.89	-67.14	2.10	12.50	V
	3312	-60.16	-13	-47.16	-69.05	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(LTE) & ANT0(NR)								
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	-65.10	-13	-52.10	-72.07	1.58	10.70	H
	2480	-60.21	-13	-47.21	-68.46	2.10	12.50	H
	3312	-59.89	-13	-46.89	-68.78	2.86	13.90	H
	1656	-63.76	-13	-50.76	-70.73	1.58	10.70	V
	2480	-58.68	-13	-45.68	-66.93	2.10	12.50	V
	3312	-59.87	-13	-46.87	-68.76	2.86	13.90	V

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

SA n7 / NR 40MHz / QPSK / ANT0								
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	5036	-62.03	-25	-37.03	-72.24	3.03	13.24	H
	7542	-49.83	-25	-24.83	-59.28	3.56	13.01	H
	10062	-61.19	-25	-36.19	-70.71	3.92	13.44	H
	5036	-61.12	-25	-36.12	-71.33	3.03	13.24	V
	7542	-46.15	-25	-21.15	-55.60	3.56	13.01	V
	10062	-61.54	-25	-36.54	-71.06	3.92	13.44	V

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

EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT0(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	5032	-61.74	-25	-36.74	-71.95	3.03	13.24	H
	7548	-52.17	-25	-27.17	-61.62	3.56	13.01	H
	10070	-61.52	-25	-36.52	-71.04	3.92	13.44	H
	5032	-63.14	-25	-38.14	-73.35	3.03	13.24	V
	7548	-58.54	-25	-33.54	-67.99	3.56	13.01	V
	10070	-61.90	-25	-36.90	-71.42	3.92	13.44	V

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



SA n41 / NR 100MHz / QPSK / ANT0								
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	5092	-62.42	-25	-37.42	-72.63	3.03	13.24	H
	7640	-61.76	-25	-36.76	-71.21	3.56	13.01	H
	10188	-61.01	-25	-36.01	-70.53	3.92	13.44	H
	5092	-61.08	-25	-36.08	-71.29	3.03	13.24	V
	7640	-49.88	-25	-24.88	-59.33	3.56	13.01	V
	10188	-61.29	-25	-36.29	-70.81	3.92	13.44	V

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

SA n41 UL MIMO / NR 100MHz / QPSK / ANT0+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	5092	-59.52	-25	-34.52	-69.73	3.03	13.24	H
	7636	-54.83	-25	-29.83	-64.28	3.56	13.01	H
	10188	-61.07	-25	-36.07	-70.59	3.92	13.44	H
	5092	-53.84	-25	-28.84	-64.05	3.03	13.24	V
	7636	-52.44	-25	-27.44	-61.89	3.56	13.01	V
	10188	-61.34	-25	-36.34	-70.86	3.92	13.44	V

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

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT1(LTE) & ANT0(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	3450	-56.88	-13	-43.88	-67.62	2.604	13.34	H
	5175	-54.41	-13	-41.41	-64.92	3.011	13.52	H
	6915	-53.55	-13	-40.55	-63.75	3.271	13.47	H
	3450	-57.46	-13	-44.46	-68.20	2.604	13.34	V
	5175	-54.85	-13	-41.85	-65.36	3.011	13.52	V
	6915	-54.09	-13	-41.09	-64.29	3.271	13.47	V

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