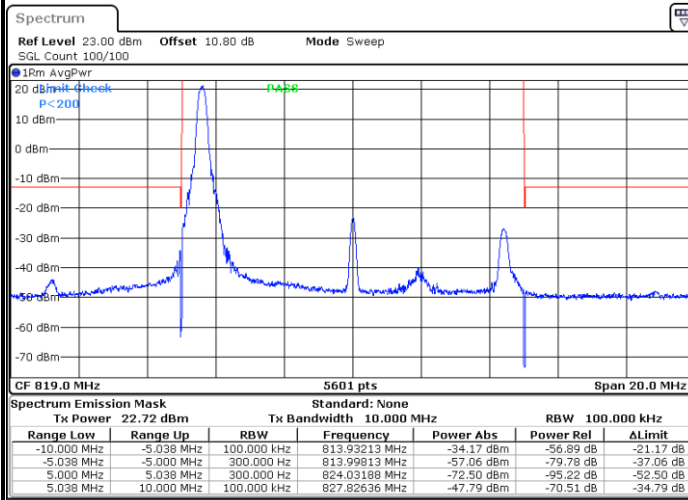




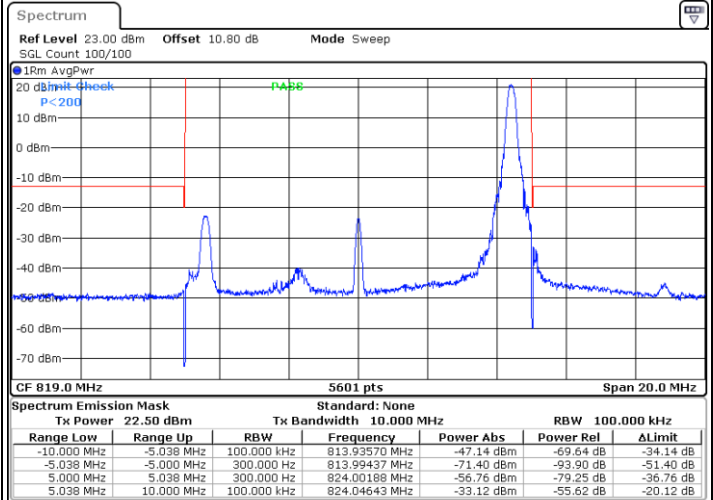
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



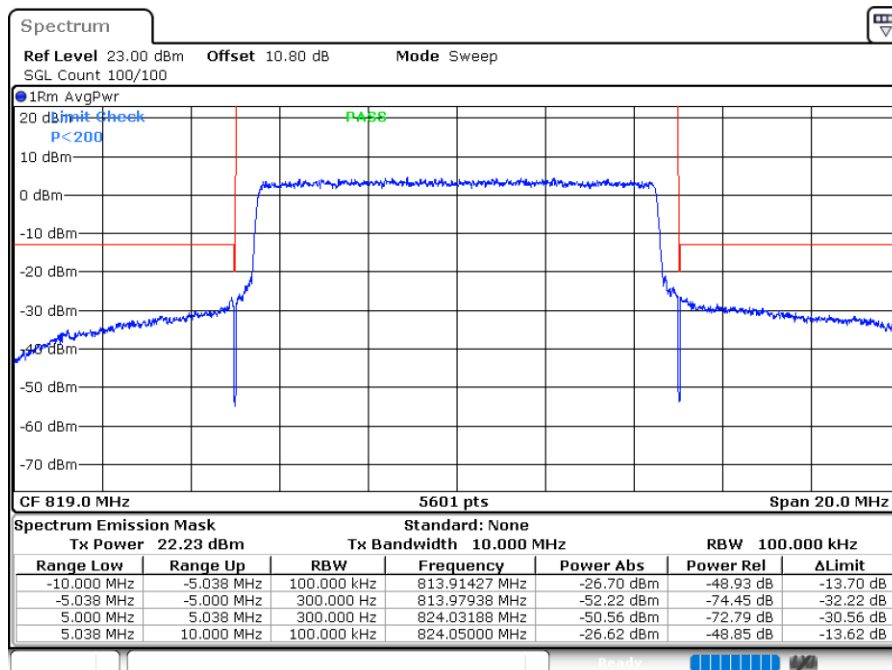
Date: 15.MAR.2020 15:42:26

Highest Band Edge / 1 RB



Date: 15.MAR.2020 15:43:25

Band Edge / Full RB

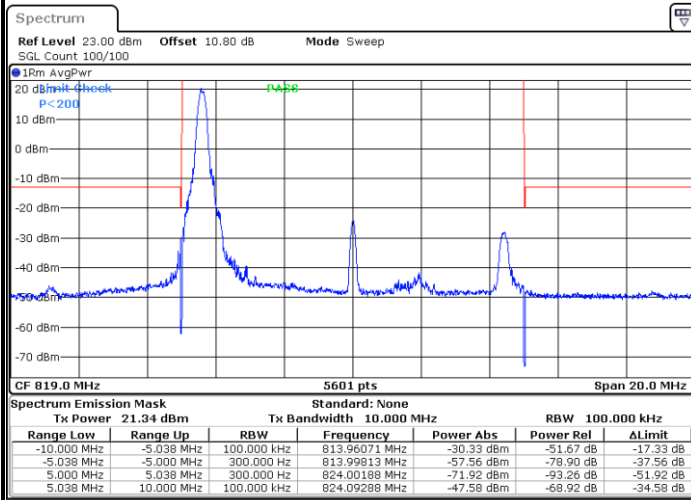


Date: 15.MAR.2020 15:44:24

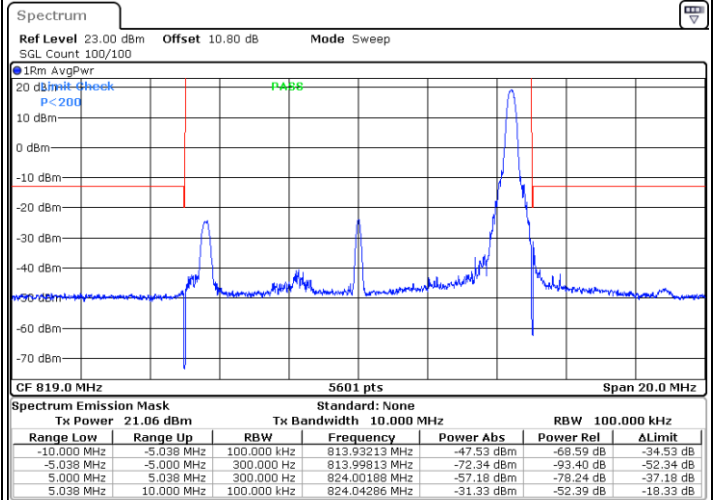


LTE Band 26 / 10MHz / 16QAM

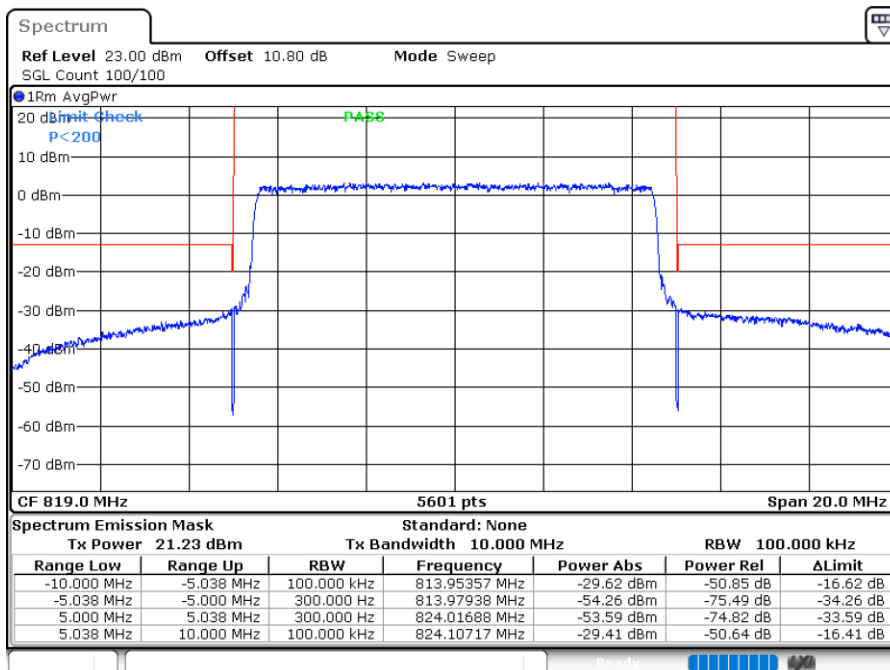
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



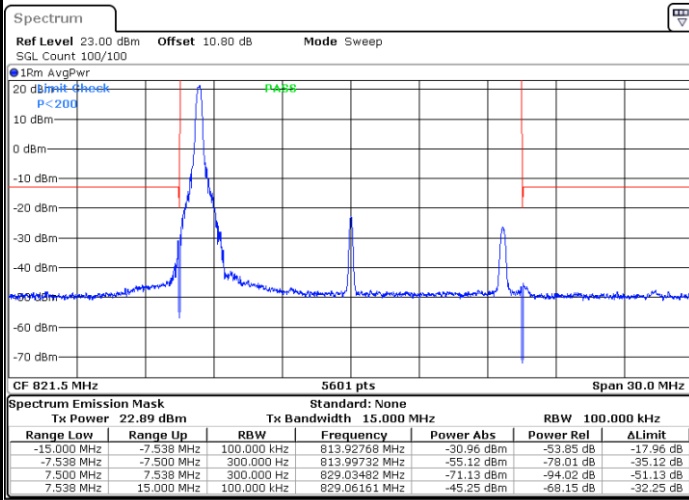
Band Edge / Full RB



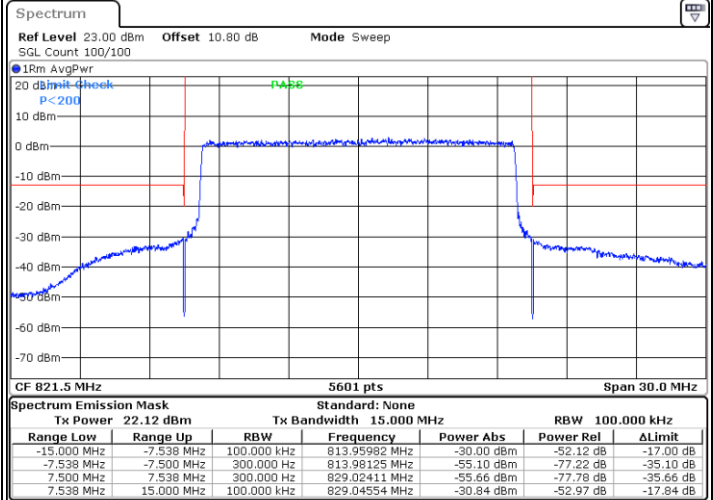


LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB

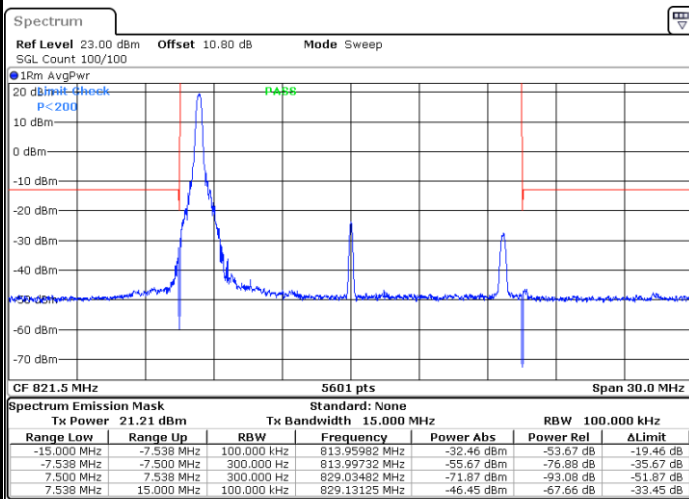


Lowest Band Edge / Full RB

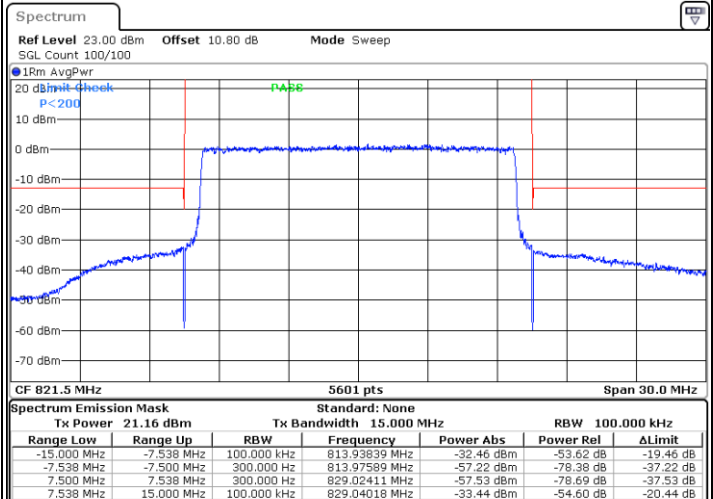


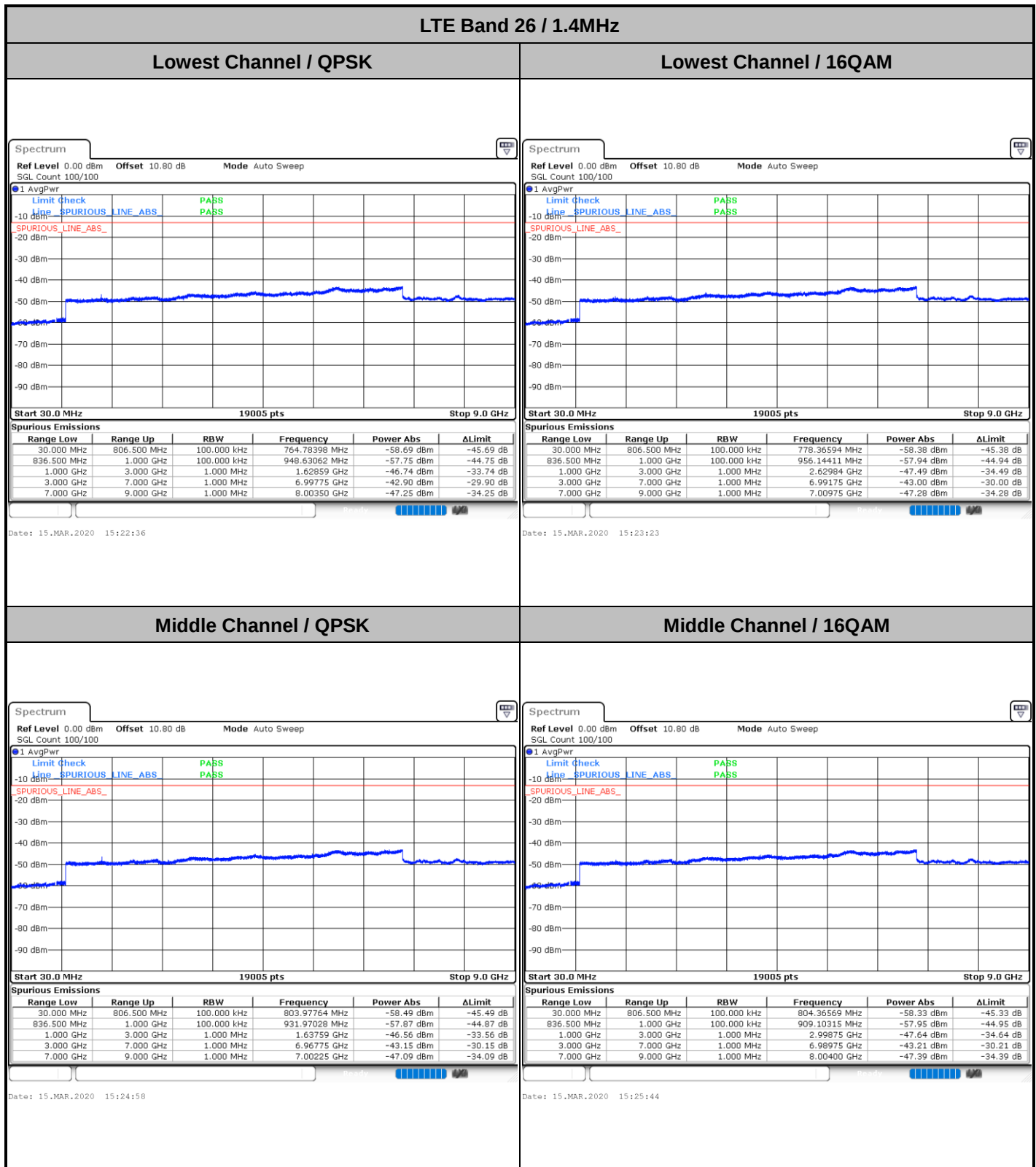
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Lowest Band Edge / Full RB

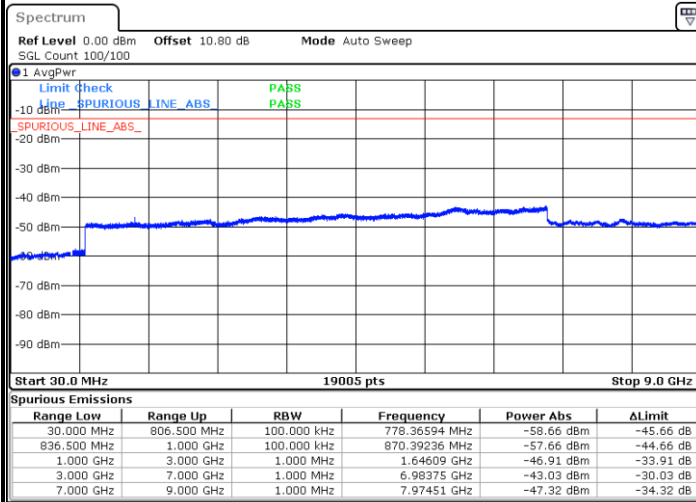


**Emission masks – Out of band emissions**



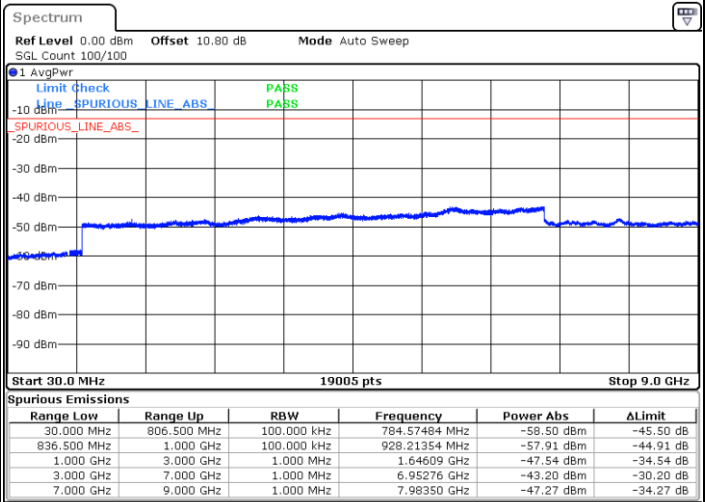
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 15.MAR.2020 15:27:19

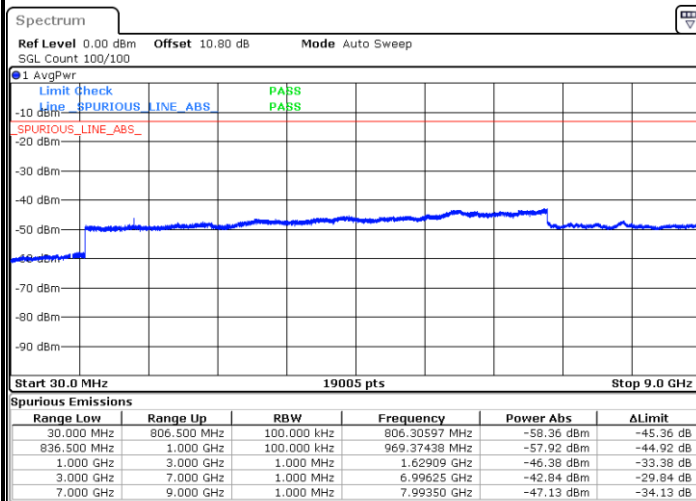
Highest Channel / 16QAM



Date: 15.MAR.2020 15:28:06

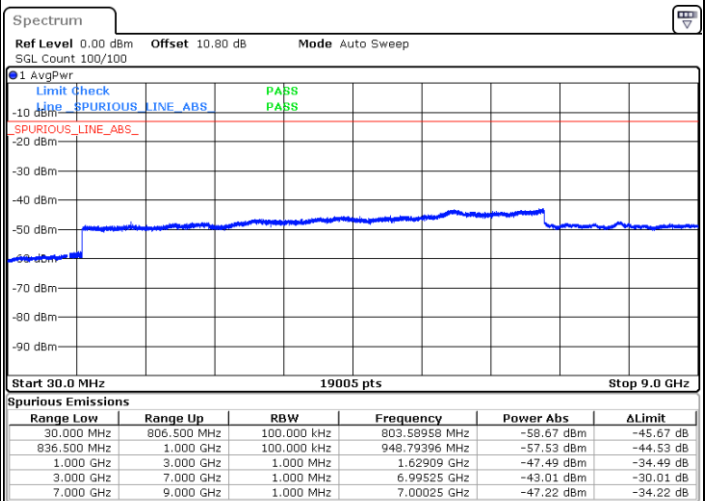
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 15.MAR.2020 16:07:21

Lowest Channel / 16QAM

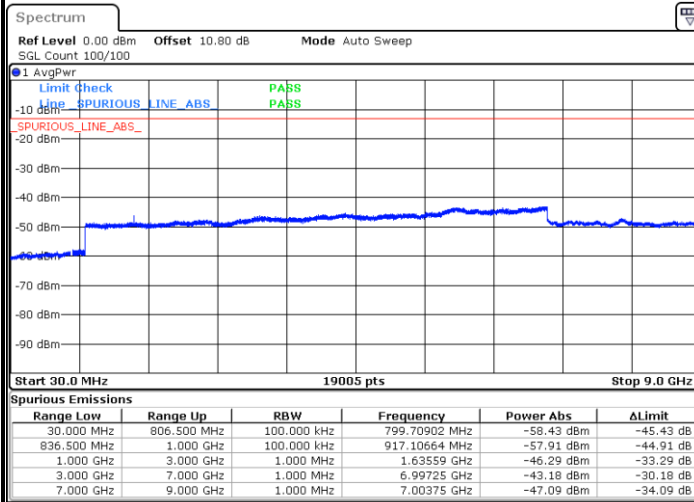


Date: 15.MAR.2020 16:08:08



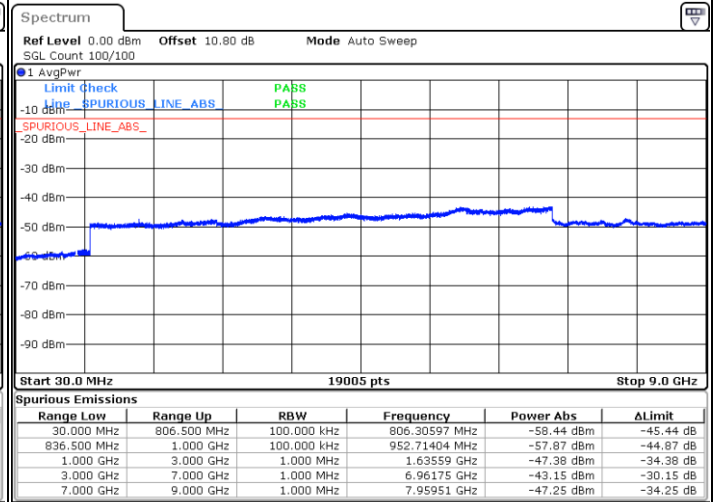
LTE Band 26 / 3MHz

Middle Channel / QPSK



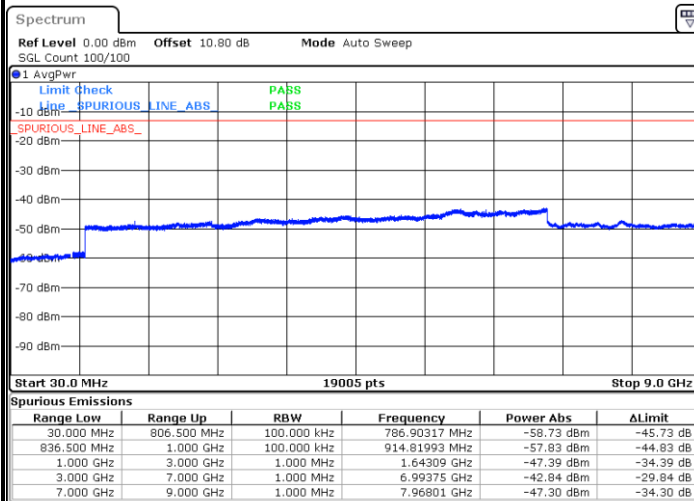
Date: 15.MAR.2020 16:09:42

Middle Channel / 16QAM



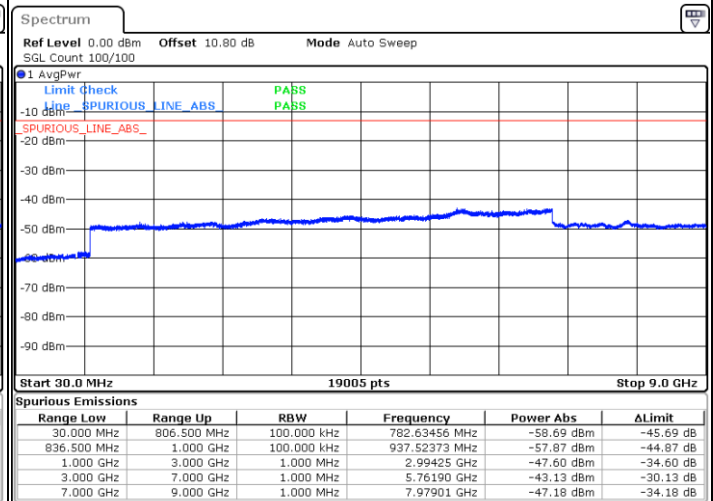
Date: 15.MAR.2020 16:10:28

Highest Channel / QPSK



Date: 15.MAR.2020 16:12:03

Highest Channel / 16QAM

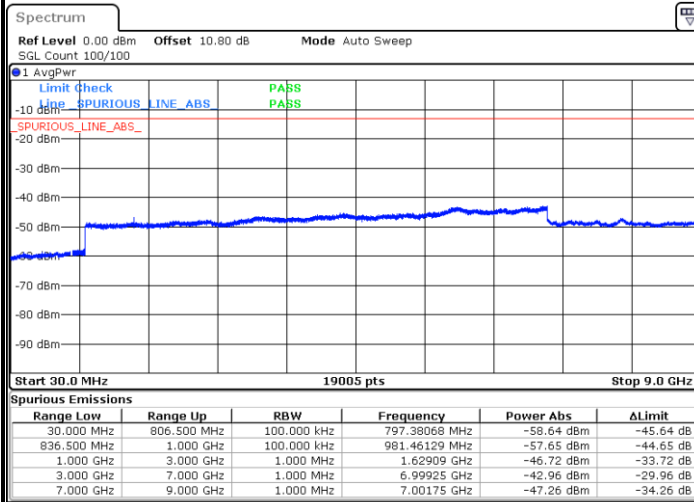


Date: 15.MAR.2020 16:12:49



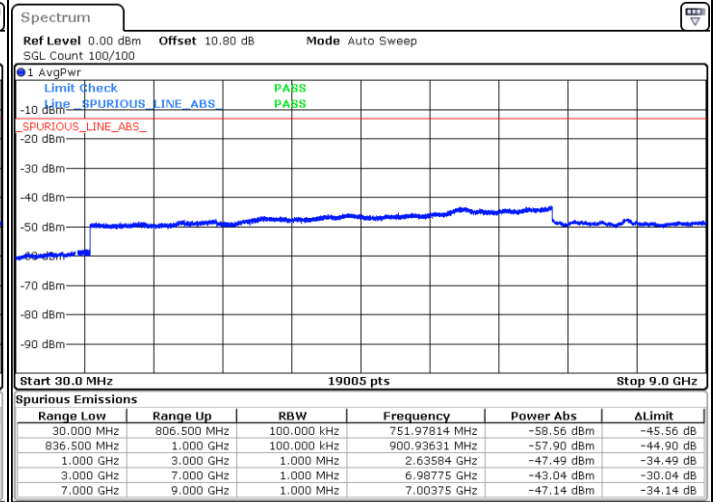
LTE Band 26 / 5MHz

Lowest Channel / QPSK



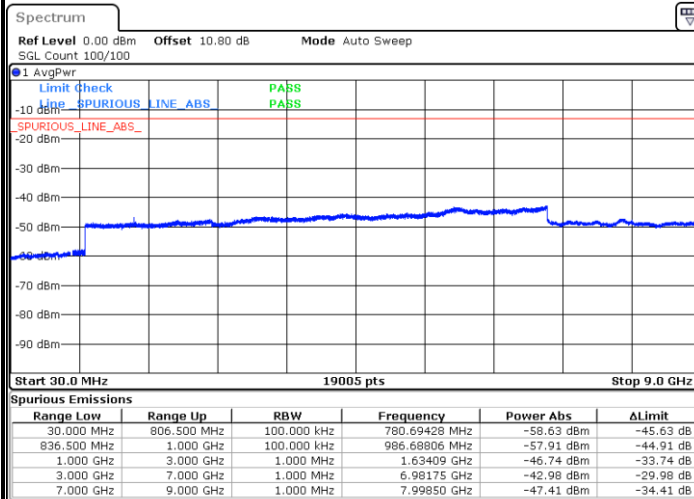
Date: 15.MAR.2020 16:14:24

Lowest Channel / 16QAM



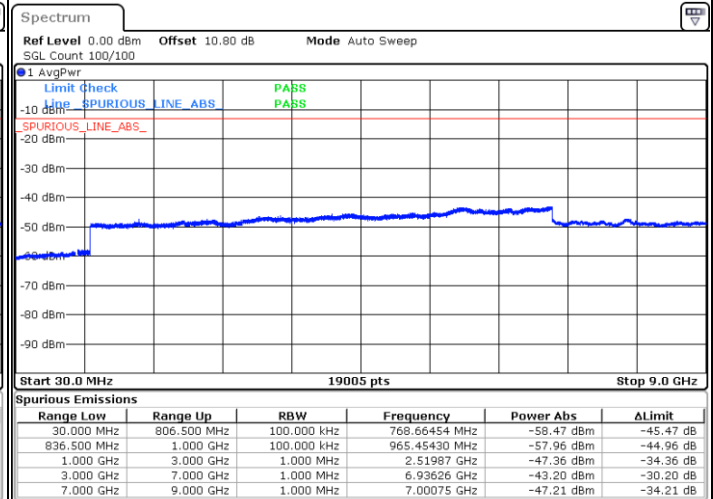
Date: 15.MAR.2020 16:15:11

Middle Channel / QPSK



Date: 15.MAR.2020 16:16:45

Middle Channel / 16QAM

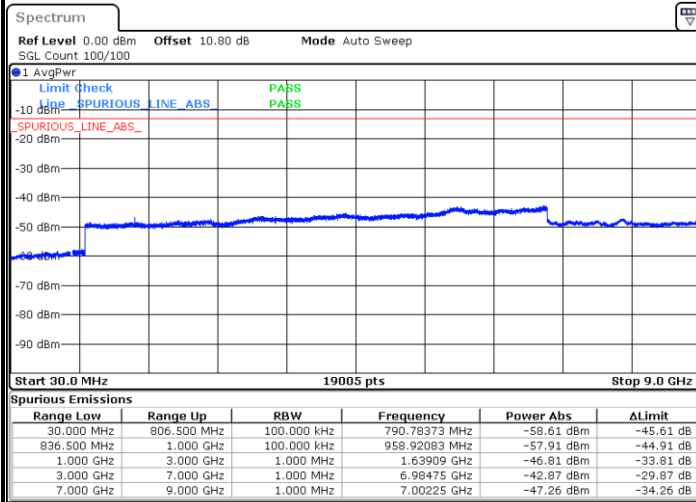


Date: 15.MAR.2020 16:17:31



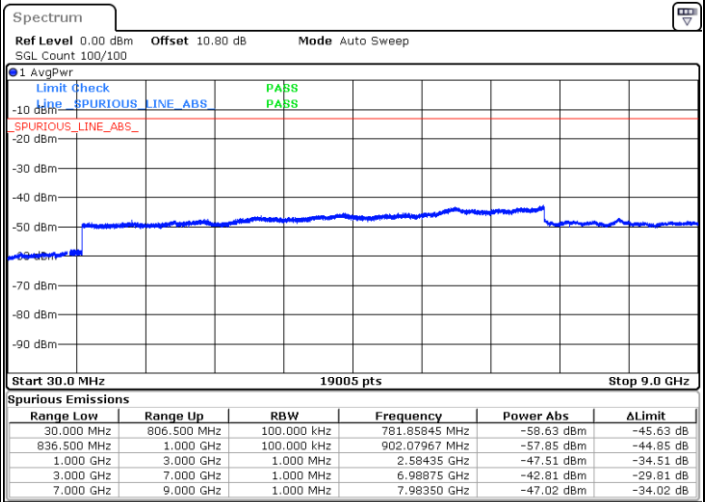
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 15.MAR.2020 16:19:06

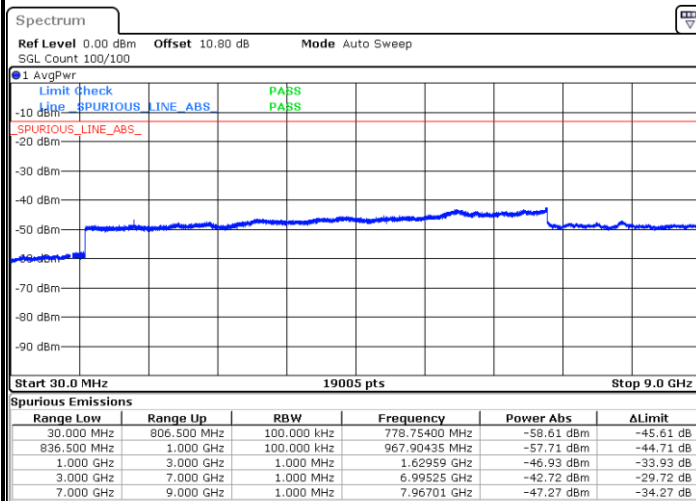
Highest Channel / 16QAM



Date: 15.MAR.2020 16:19:52

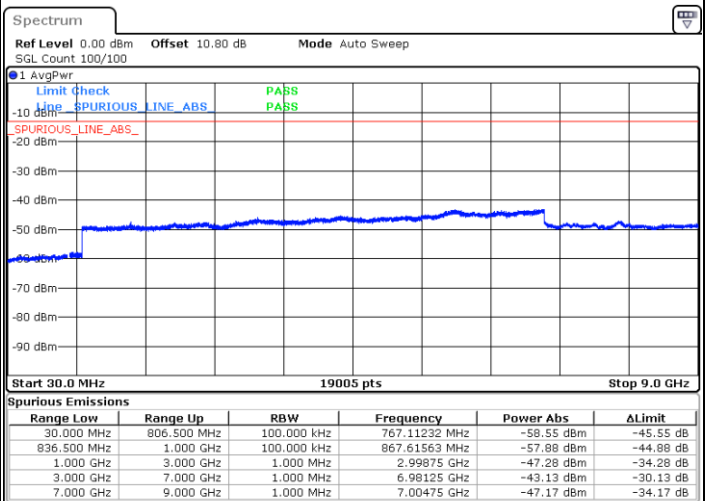
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 15.MAR.2020 16:21:27

Middle Channel / 16QAM

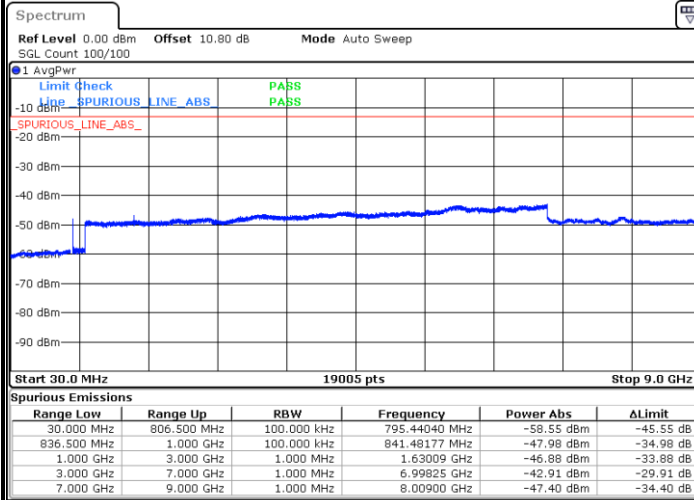


Date: 15.MAR.2020 16:22:14



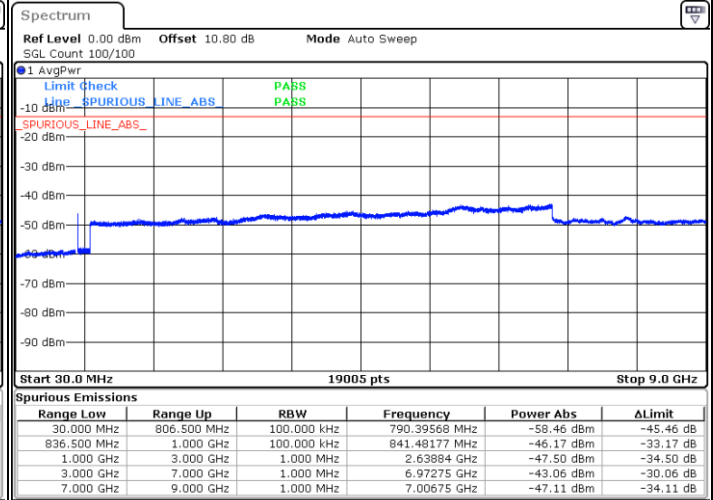
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 15.MAR.2020 16:23:49

Lowest Channel / 16QAM



Date: 15.MAR.2020 16:24:35

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0105	
-20	Normal Voltage	0.0089	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0145	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0063	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0156	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0157	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0156	
0	Normal Voltage	0.0195	
-10	Normal Voltage	0.0138	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0168	
20	Maximum Voltage	0.0125	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0057	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**Appendix B. Test Results of ERP and Radiated Test****ERP****<Reporting Only>**

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -12.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.81	0.3027	10.06	0.0101
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	23.82	0.2410	9.07	0.0081
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 100W			Result		PASS	

**Radiated Spurious Emission****Part 90S LTE Band 26**

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1640	-54.14	-13	-41.14	-64.91	-59.96	0.69	8.66	H
	2457	-49.84	-13	-36.84	-65.52	-57.48	0.94	10.74	H
	3276	-48.34	-13	-35.34	-66.31	-56.80	1.20	11.81	H
									H
	1640	-53.85	-13	-40.85	-64.49	-59.67	0.69	8.66	V
	2457	-50.21	-13	-37.21	-65.92	-57.85	0.94	10.74	V
	3276	-48.74	-13	-35.74	-66.62	-57.20	1.20	11.81	V
									V
Middle	1640	-54.28	-13	-41.28	-65.05	-60.10	0.69	8.66	H
	2457	-50.32	-13	-37.32	-66	-57.96	0.94	10.74	H
	3276	-48.85	-13	-35.85	-66.82	-57.31	1.20	11.81	H
									H
	1640	-53.18	-13	-40.18	-63.82	-59.00	0.69	8.66	V
	2457	-49.36	-13	-36.36	-65.05	-57.00	0.94	10.74	V
	3276	-48.60	-13	-35.60	-66.48	-57.06	1.20	11.81	V
									V
Highest	1640	-54.46	-13	-41.46	-65.23	-60.28	0.69	8.66	H
	2464.5	-50.16	-13	-37.16	-65.83	-57.81	0.95	10.75	H
	3286	-48.56	-13	-35.56	-66.5	-57.04	1.20	11.83	H
									H
	1640	-48.75	-13	-35.75	-64.21	-54.57	0.69	8.66	V
	2464.5	-43.21	-13	-30.21	-65.55	-50.86	0.95	10.75	V
	3286	-41.15	-13	-28.15	-66.45	-49.63	1.20	11.83	V
									V

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



LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1646.82	-53.63	-13	-40.63	-64.43	-59.47	0.69	8.68	H
	2470.23	-49.60	-13	-36.60	-65.28	-57.26	0.95	10.76	H
	3293.64	-48.55	-13	-35.55	-66.47	-57.04	1.20	11.84	H
									H
	1646.82	-53.15	-13	-40.15	-63.83	-58.99	0.69	8.68	V
	2470.23	-50.28	-13	-37.28	-65.97	-57.94	0.95	10.76	V
	3293.64	-48.18	-13	-35.18	-65.96	-56.67	1.20	11.84	V
									V

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



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1629.68	-54.24	-13	-41.24	-64.96	-60.02	0.68	8.62	H
	2444.52	-49.99	-13	-36.99	-65.67	-57.62	0.94	10.72	H
	3259.36	-48.01	-13	-35.01	-66.02	-56.44	1.19	11.77	H
									H
	1629.68	-51.29	-13	-38.29	-61.87	-57.07	0.68	8.62	V
	2444.52	-50.24	-13	-37.24	-65.98	-57.87	0.94	10.72	V
	3259.36	-48.68	-13	-35.68	-66.65	-57.11	1.19	11.77	V
									V

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