
Measurement Protocol

Measurement Object	LTE Band 26_15M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26865_8N
--------------------	---

Project	612609
Report Generation Date	26/02/28 11:55
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	95.5	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	97.50	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.29	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.18	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	36.45	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.99	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.43	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.35	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.01	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.06	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.62	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.75	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB] , (occured at 3150Hz)	21.75	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.83	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.99	LTE Band 26_15M_QPSK_1RB_0Offset_EV S NB 24.4kbps_Ch26865_8N

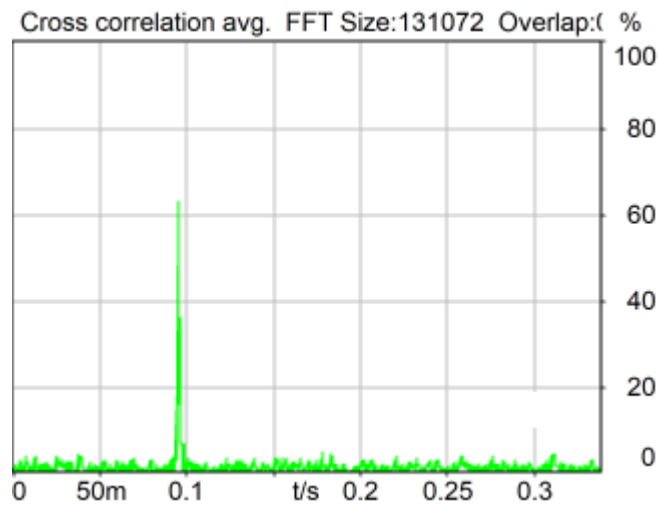
ACQUA Report
26_15M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26865_8N

Title: LTE Band

Overall Receive Delay NB	5
5.1a Receive Volume Control Performance 8N NB	6
5.2 RCV Distortion and Noise - 400 Hz NB	7
5.2 RCV Distortion and Noise - 500 Hz NB	8
5.2 RCV Distortion and Noise - 630 Hz NB	9
5.2 RCV Distortion and Noise - 800 Hz NB	10
5.2 RCV Distortion and Noise - 1000 Hz NB	11
5.2 RCV Distortion and Noise - 1250 Hz NB	12
5.2 RCV Distortion and Noise - 1600 Hz NB	13
5.2 RCV Distortion and Noise - 2000 Hz NB	14
5.2 RCV Distortion and Noise - 2500 Hz NB	15
5.2 RCV Distortion and Noise - 3150 Hz NB	16
Report - Receive Distortion and Noise (Conversational Gain)	17
5.3 Frequency Response 8N FF HANB	18
5.3 Frequency Response 8N DF HANB	19

Overall Receive Delay NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement

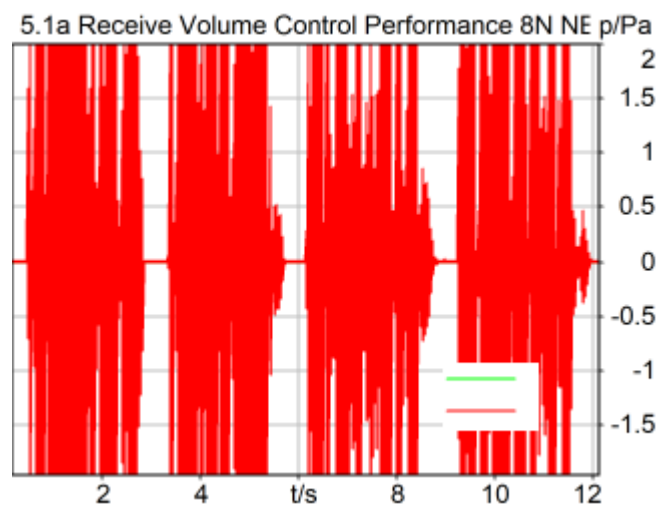


Delay (Cross): 95.5 ms

26/02/28 11:47 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



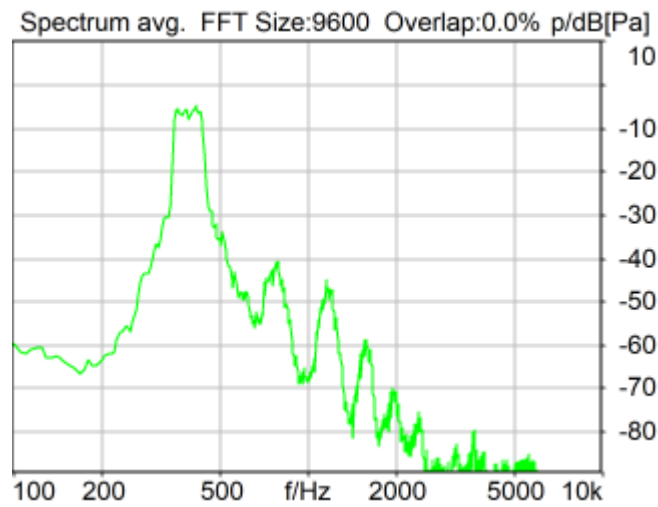
Speech Level RCV: 97.50 dB[SPL], Act.: 81.64% Ok

Ok

26/02/28 11:47 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 400 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



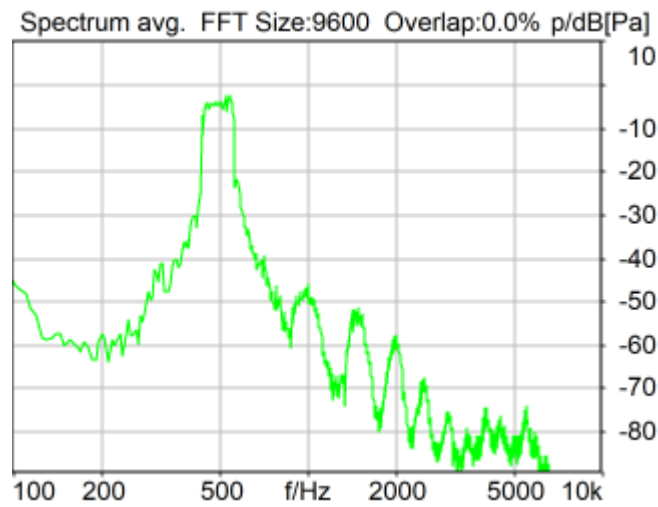
Distortion (Noise) RCV (packed): 31.29 dB (2.72%) Ok

Ok

26/02/28 11:48 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



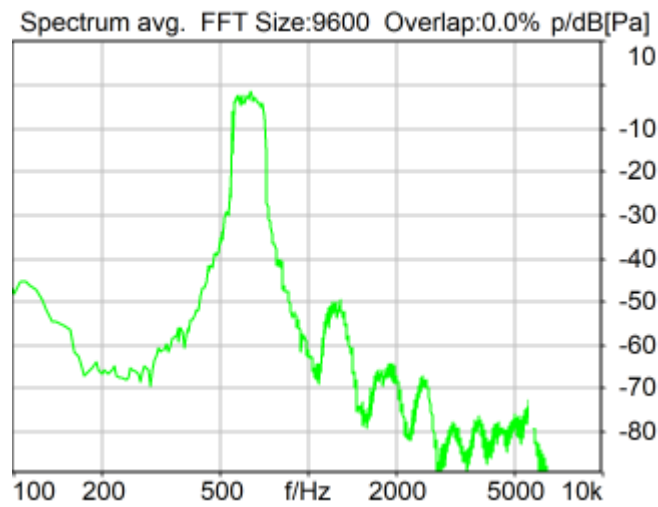
Distortion (Noise) RCV (packed): 32.18 dB (2.46%) Ok

Ok

26/02/28 11:48 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 630 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



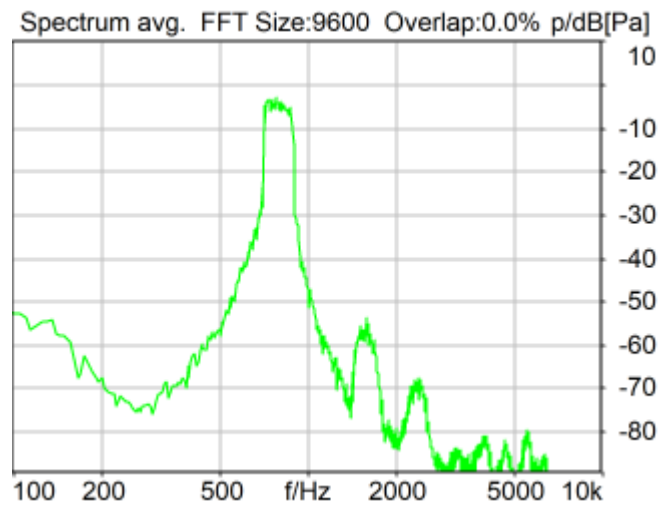
Distortion (Noise) RCV (packed): 36.45 dB (1.51%) Ok

Ok

26/02/28 11:49 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 800 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



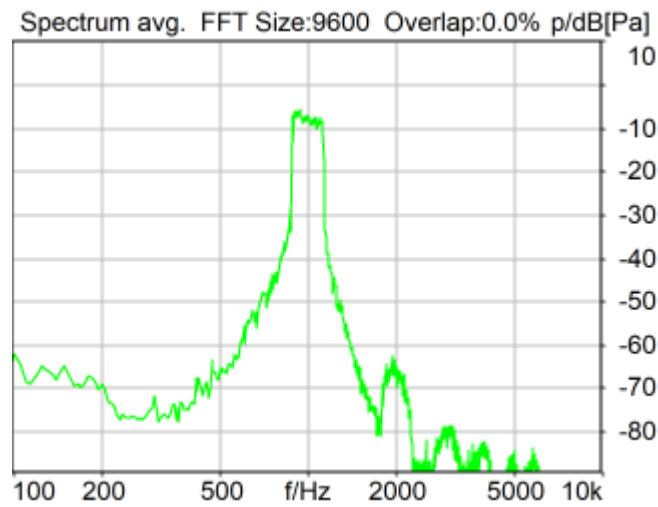
Distortion (Noise) RCV (packed): 35.99 dB (1.59%) Ok

Ok

26/02/28 11:49 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



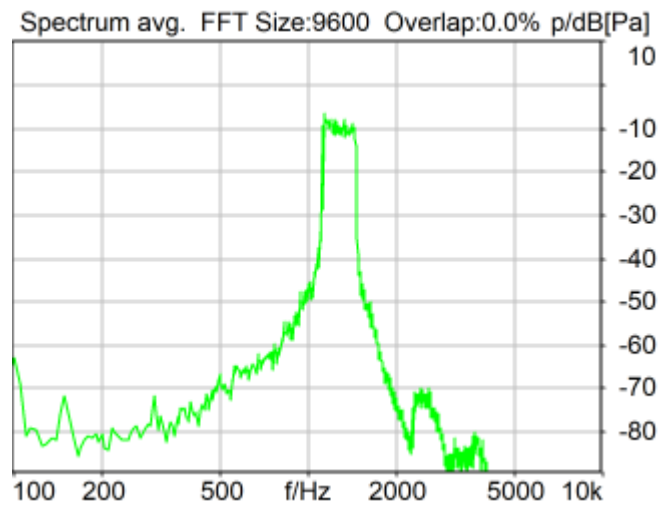
Distortion (Noise) RCV (packed): 34.43 dB (1.90%) Ok

Ok

26/02/28 11:50 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1250 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



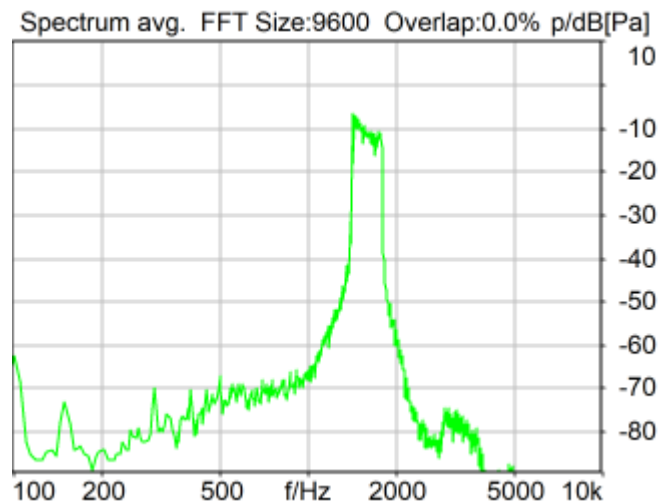
Distortion (Noise) RCV (packed): 32.35 dB (2.41%) Ok

Ok

26/02/28 11:50 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1600 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



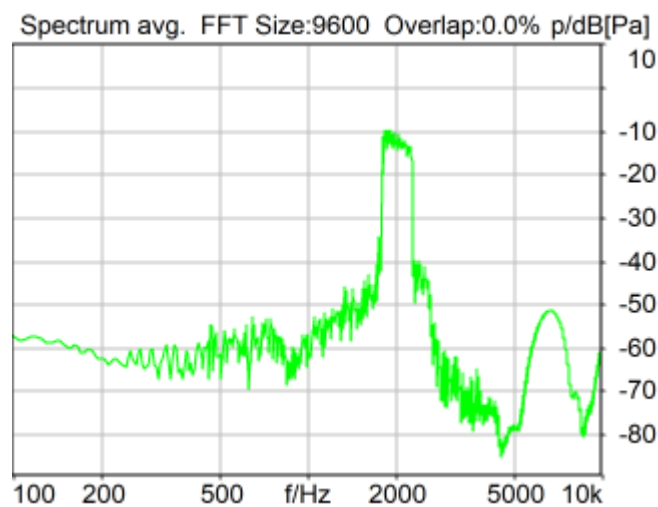
Distortion (Noise) RCV (packed): 38.01 dB (1.26%) Ok

Ok

26/02/28 11:51 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



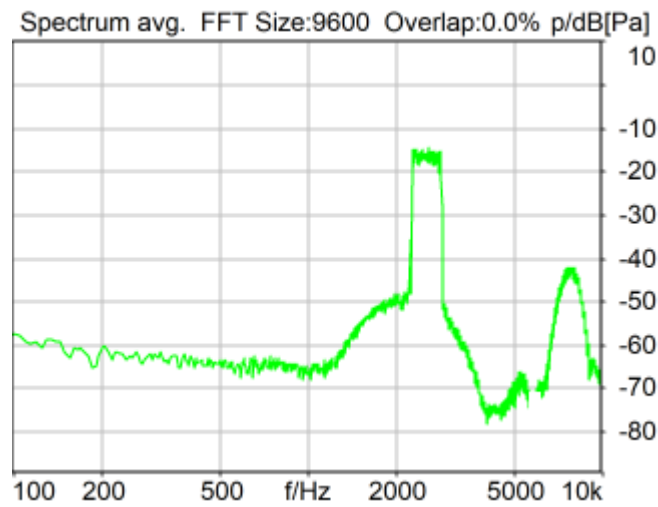
Distortion (Noise) RCV (packed): 28.06 dB (3.95%) Ok

Ok

26/02/28 11:51 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



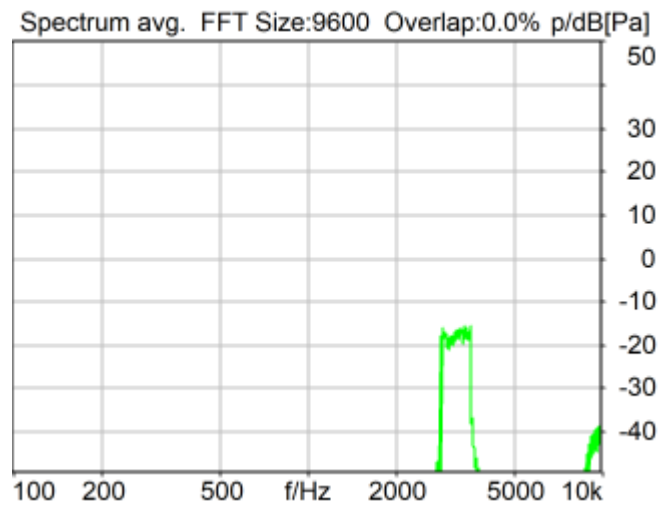
Distortion (Noise) RCV (packed): 23.62 dB (6.60%) Ok

Ok

26/02/28 11:52 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 3150 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



Distortion (Noise) RCV (packed): 21.75 dB (8.17%) Ok

Ok

26/02/28 11:52 ACQUA 5.1.200

Report - Receive Distortion and Noise (Conversational Gain)

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N

Region	Frequency	SDNR
1	400Hz	31.29 dB
2	500Hz	32.18 dB
3	630Hz	36.45 dB
4	800Hz	35.99 dB
5	1000Hz	34.43 dB
6	1250Hz	32.35 dB
7	1600Hz	38.01 dB
8	2000Hz	28.06 dB
9	2500Hz	23.62 dB
10	3150Hz	21.75 dB

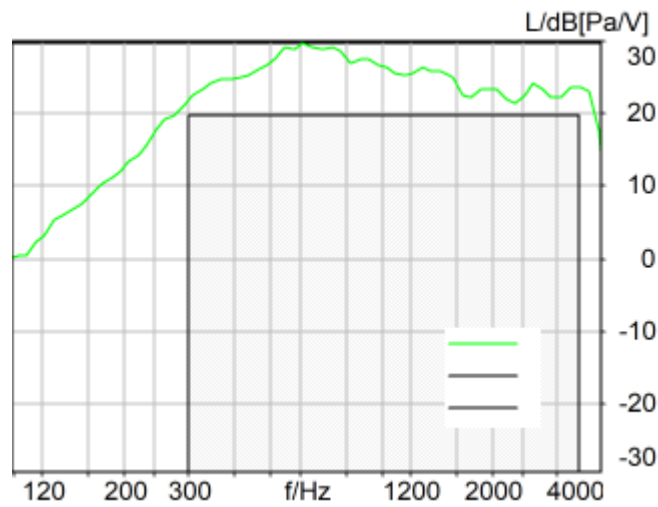
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.75dB at 3150Hz.

26/02/28 11:52 ACQUA

5.3 Frequency Response 8N FF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



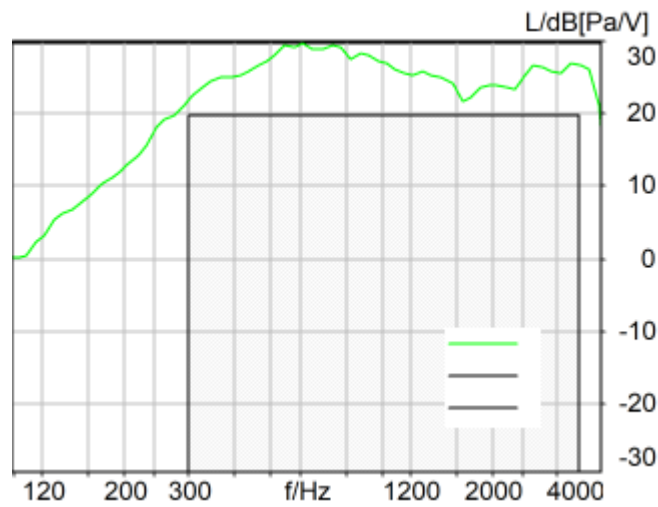
Absolute minimal distance
1.83 dB at 611.7 Hz Ok

Ok

26/02/28 11:53 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



Absolute minimal distance
1.99 dB at 611.7 Hz Ok

Ok

26/02/28 11:53 ACQUA 5.1.200

ACQUA Report
NB 24.4kbps_Ch641666_8N

Title: 02_FR1 n48_40M_QPSK_1RB_1Offset_EVS

Measurement Protocol

Measurement Object	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24.4kbps_Ch641666_8N
--------------------	--

Project	612609
Report Generation Date	26/03/05 18:30
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	255.1	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	97.55	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.90	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.47	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.62	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.78	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.98	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.60	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.85	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.21	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.70	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.81	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N
Report - Receive Distortion and Noise (Conversational)	Ok	Minimum SDNR [dB], (occured at 3150Hz)	21.81	FR1 n48_40M_QPSK_1RB_1Offset_EVS NB 24. 4kbps_Ch641666_8N

ACQUA Report
NB 24.4kbps_Ch641666_8N

Title: FR1 n48_40M_QPSK_1RB_1Offset_EVS

Gain)				EVS NB 24. 4kbps_Ch641666_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 2302.3 Hz	1.98	FR1 n48_40M_QPSK_1RB_1Offset_ EVS NB 24. 4kbps_Ch641666_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.85	FR1 n48_40M_QPSK_1RB_1Offset_ EVS NB 24. 4kbps_Ch641666_8N

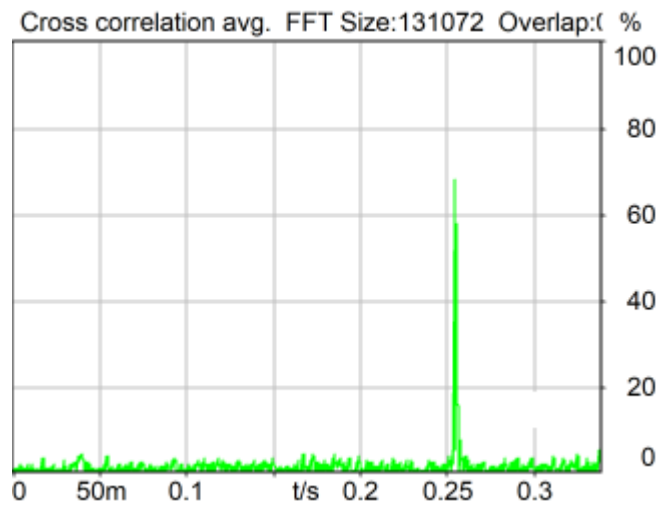
ACQUA Report
NB 24.4kbps_Ch641666_8N

Title: FR1 n48_40M_QPSK_1RB_1Offset_EVS

Overall Receive Delay NB	6
5.1a Receive Volume Control Performance 8N NB	7
5.2 RCV Distortion and Noise - 400 Hz NB	8
5.2 RCV Distortion and Noise - 500 Hz NB	9
5.2 RCV Distortion and Noise - 630 Hz NB	10
5.2 RCV Distortion and Noise - 800 Hz NB	11
5.2 RCV Distortion and Noise - 1000 Hz NB	12
5.2 RCV Distortion and Noise - 1250 Hz NB	13
5.2 RCV Distortion and Noise - 1600 Hz NB	14
5.2 RCV Distortion and Noise - 2000 Hz NB	15
5.2 RCV Distortion and Noise - 2500 Hz NB	16
5.2 RCV Distortion and Noise - 3150 Hz NB	17
Report - Receive Distortion and Noise (Conversational Gain)	18
5.3 Frequency Response 8N FF HANB	19
5.3 Frequency Response 8N DF HANB	20

Overall Receive Delay NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement

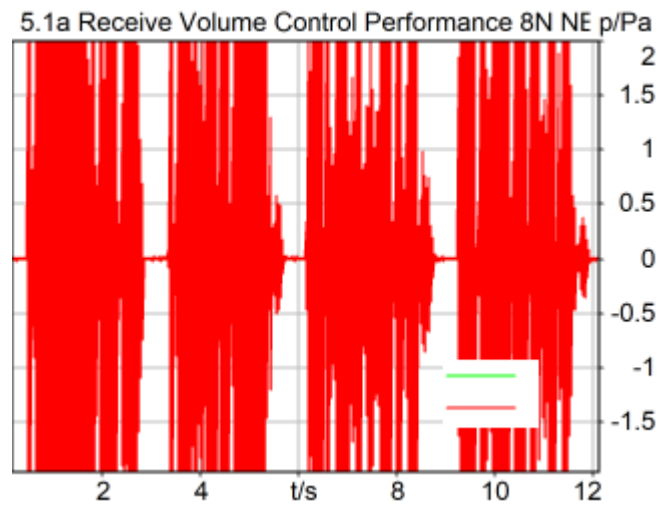


Delay (Cross): 255.1 ms

26/03/05 18:22 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



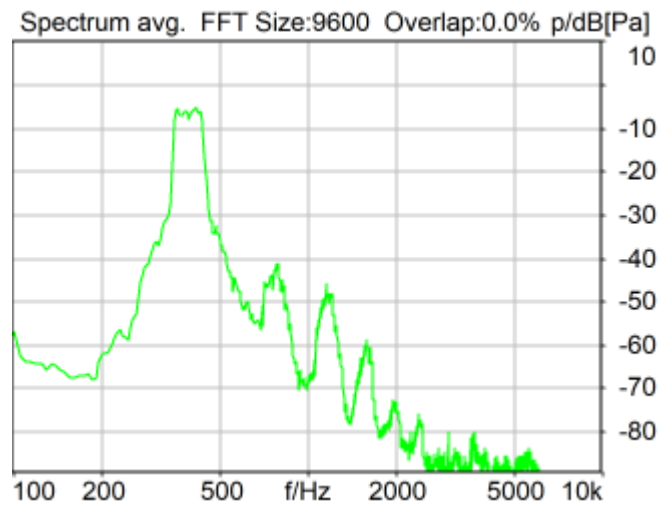
Speech Level RCV: 97.55 dB[SPL], Act.: 82.14% Ok

Ok

26/03/05 18:23 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 400 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



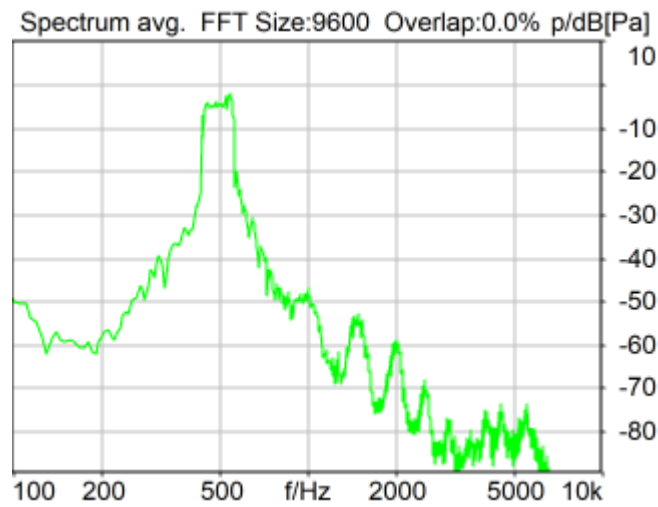
Distortion (Noise) RCV (packed): 31.90 dB (2.54%) Ok

Ok

26/03/05 18:23 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



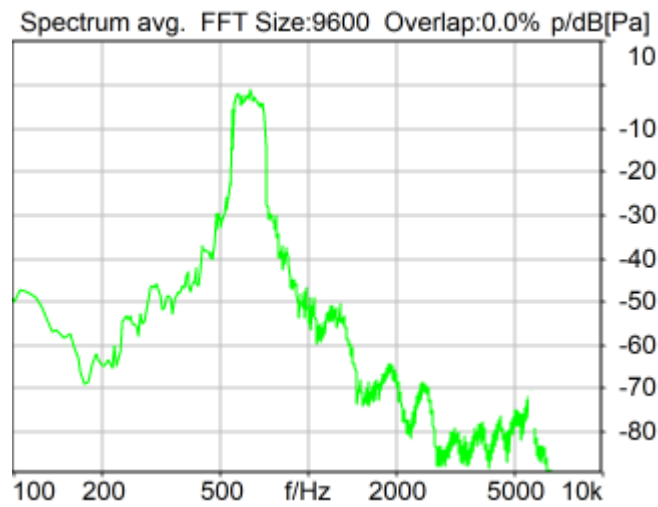
Distortion (Noise) RCV (packed): 29.47 dB (3.36%) Ok

Ok

26/03/05 18:24 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 630 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



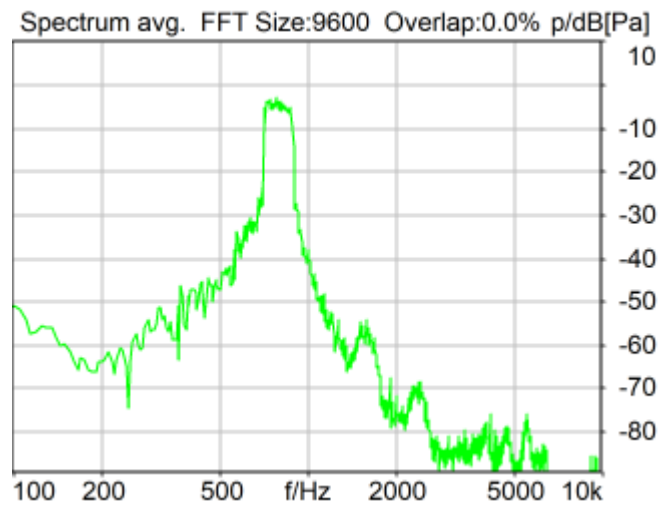
Distortion (Noise) RCV (packed): 31.62 dB (2.62%) Ok

Ok

26/03/05 18:24 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 800 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



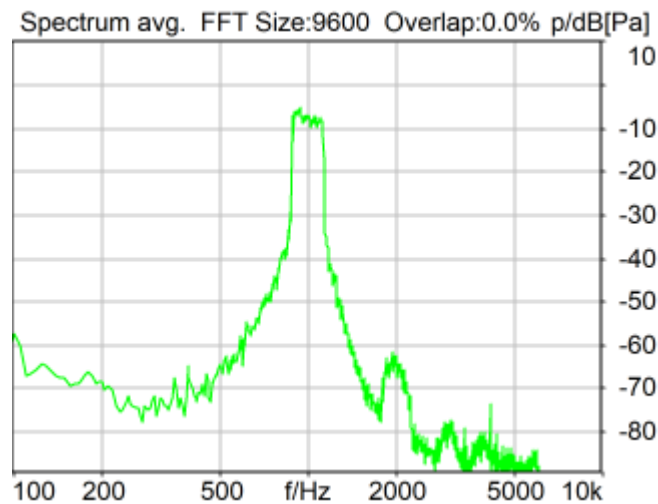
Distortion (Noise) RCV (packed): 30.78 dB (2.89%) Ok

Ok

26/03/05 18:25 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



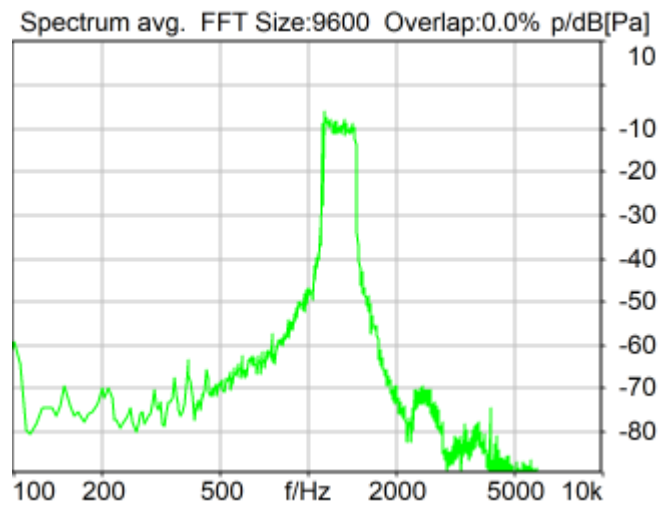
Distortion (Noise) RCV (packed): 34.98 dB (1.78%) Ok

Ok

26/03/05 18:25 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1250 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



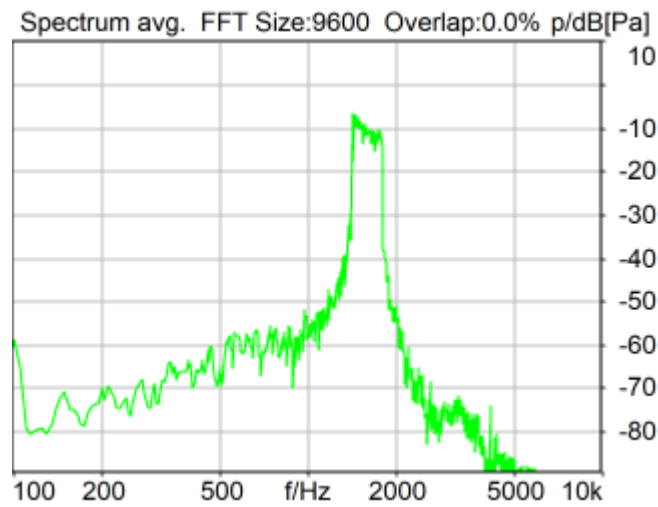
Distortion (Noise) RCV (packed): 31.60 dB (2.63%) Ok

Ok

26/03/05 18:26 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1600 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



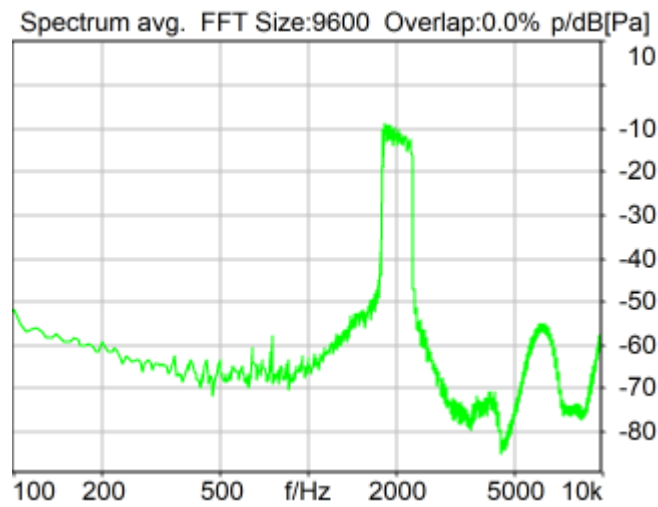
Distortion (Noise) RCV (packed): 32.85 dB (2.28%) Ok

Ok

26/03/05 18:26 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



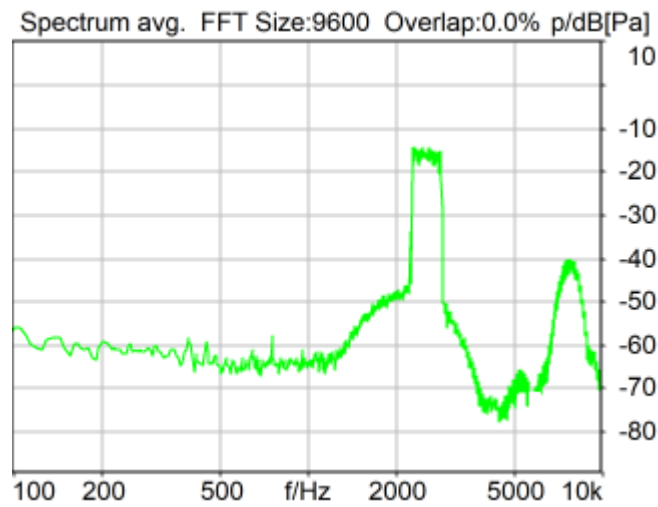
Distortion (Noise) RCV (packed): 35.21 dB (1.74%) Ok

Ok

26/03/05 18:27 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



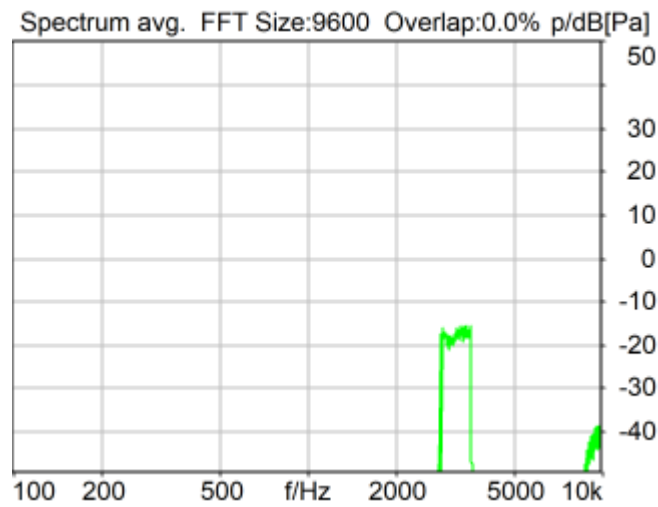
Distortion (Noise) RCV (packed): 22.70 dB (7.33%) Ok

Ok

26/03/05 18:27 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 3150 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



Ok

26/03/05 18:28 ACQUA 5.1.200

Report - Receive Distortion and Noise (Conversational Gain)

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N

Region	Frequency	SDNR
1	400Hz	31.90 dB
2	500Hz	29.47 dB
3	630Hz	31.62 dB
4	800Hz	30.78 dB
5	1000Hz	34.98 dB
6	1250Hz	31.60 dB
7	1600Hz	32.85 dB
8	2000Hz	35.21 dB
9	2500Hz	22.70 dB
10	3150Hz	21.81 dB

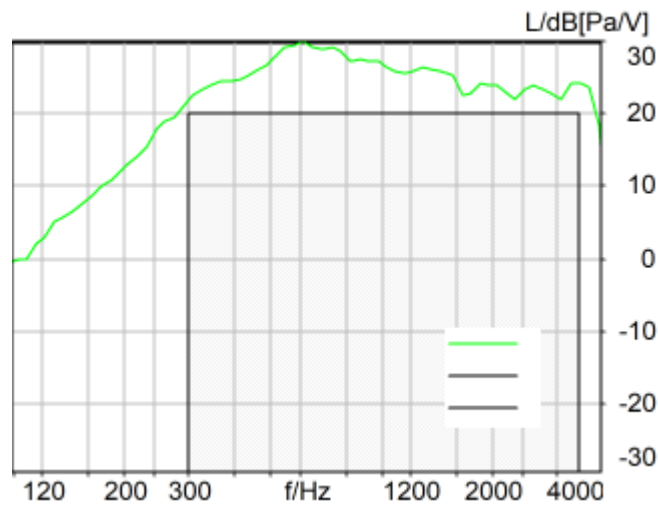
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.81dB at 3150Hz.

26/03/05 18:29 ACQUA

5.3 Frequency Response 8N FF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



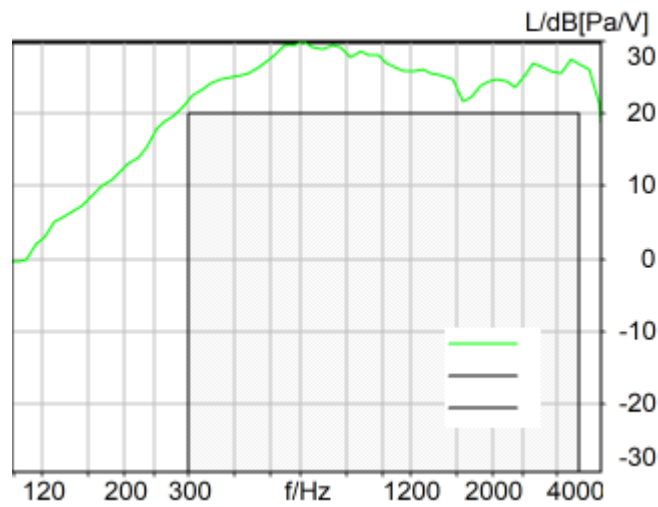
Absolute minimal distance
1.98 dB at 2302.3 Hz Ok

Ok

26/03/05 18:29 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



Absolute minimal distance
1.85 dB at 611.7 Hz Ok

Ok

26/03/05 18:29 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24.4kbps_Ch6_8N
--------------------	---

Project	612609
Report Generation Date	26/03/03 15:07
Responsible Person	AC01-KS

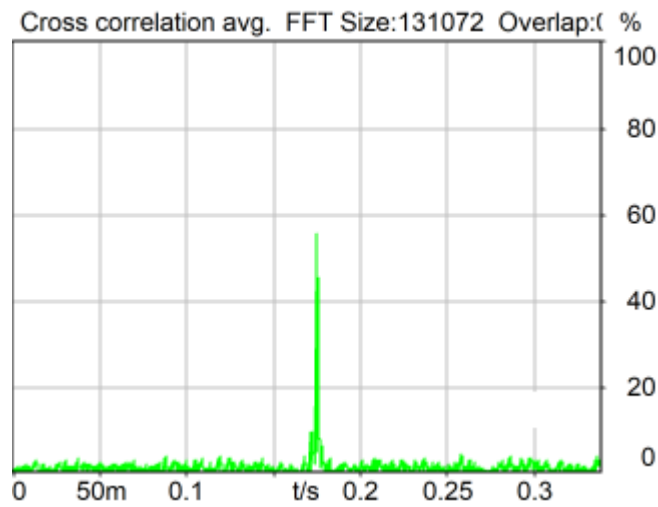
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	175.4	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	97.80	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.54	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.75	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.81	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.73	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.90	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.14	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.16	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.19	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	20.06	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	20.15	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 2500Hz)	20.06	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	1.93	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 305.9 Hz	1.88	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N

Overall Receive Delay NB	5
5.1a Receive Volume Control Performance 8N NB	6
5.2 RCV Distortion and Noise - 400 Hz NB	7
5.2 RCV Distortion and Noise - 500 Hz NB	8
5.2 RCV Distortion and Noise - 630 Hz NB	9
5.2 RCV Distortion and Noise - 800 Hz NB	10
5.2 RCV Distortion and Noise - 1000 Hz NB	11
5.2 RCV Distortion and Noise - 1250 Hz NB	12
5.2 RCV Distortion and Noise - 1600 Hz NB	13
5.2 RCV Distortion and Noise - 2000 Hz NB	14
5.2 RCV Distortion and Noise - 2500 Hz NB	15
5.2 RCV Distortion and Noise - 3150 Hz NB	16
Report - Receive Distortion and Noise (Conversational Gain)	17
5.3 Frequency Response 8N FF HANB	18
5.3 Frequency Response 8N DF HANB	19

Overall Receive Delay NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement

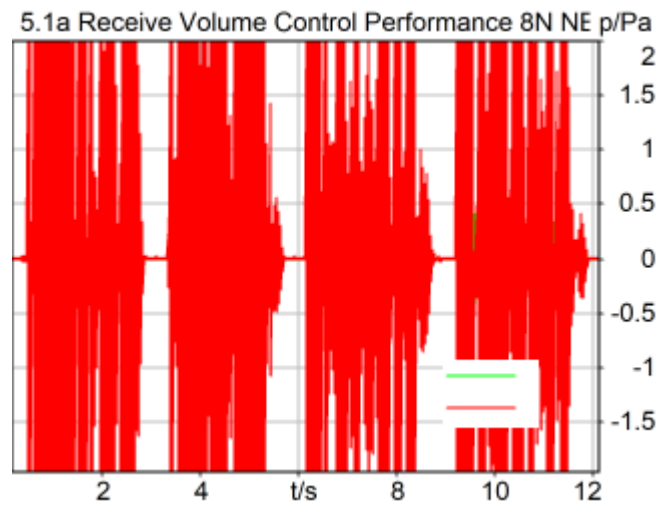


Delay (Cross): 175.4 ms

26/03/03 14:41 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



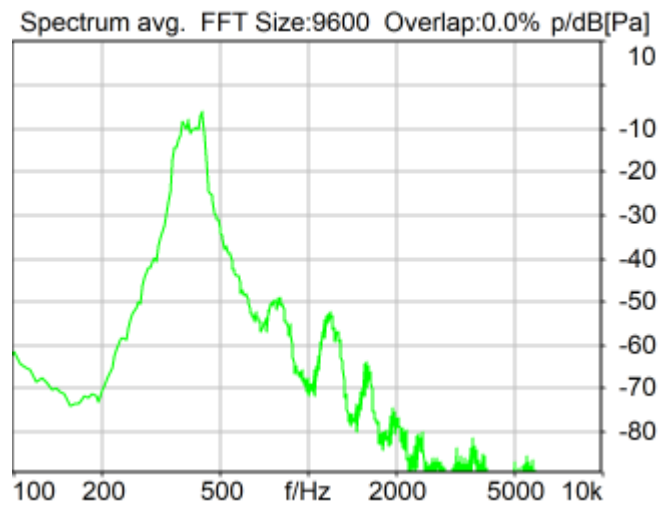
Speech Level RCV: 97.80 dB[SPL], Act.: 81.30% Ok

Ok

26/03/03 14:41 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 400 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



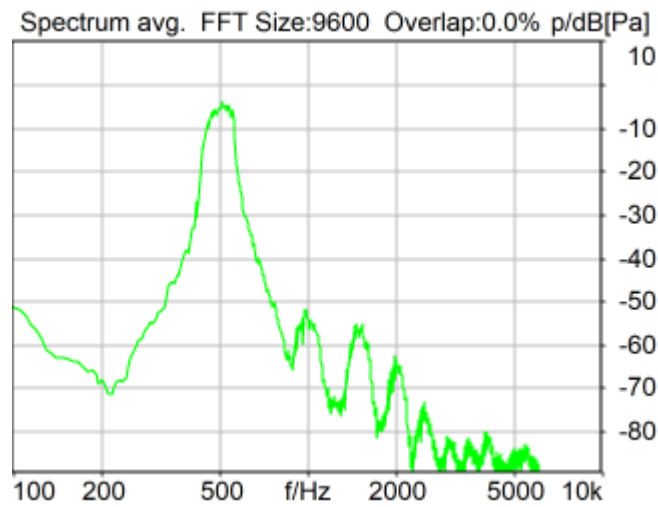
Distortion (Noise) RCV (packed): 28.54 dB (3.74%) Ok

Ok

26/03/03 14:42 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



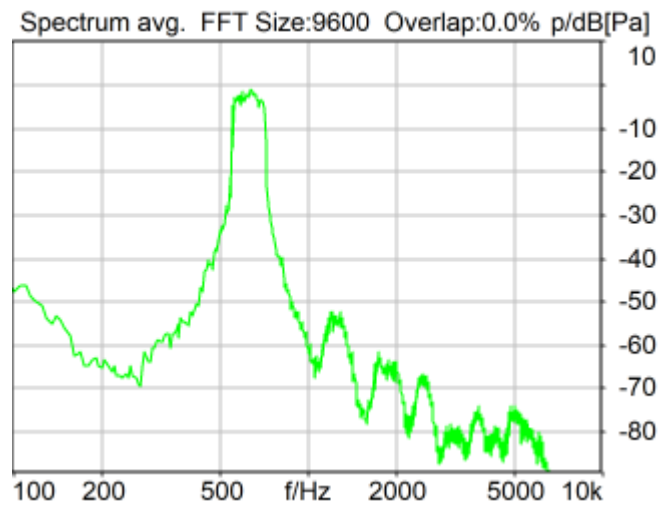
Distortion (Noise) RCV (packed): 29.75 dB (3.26%) Ok

Ok

26/03/03 14:42 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 630 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



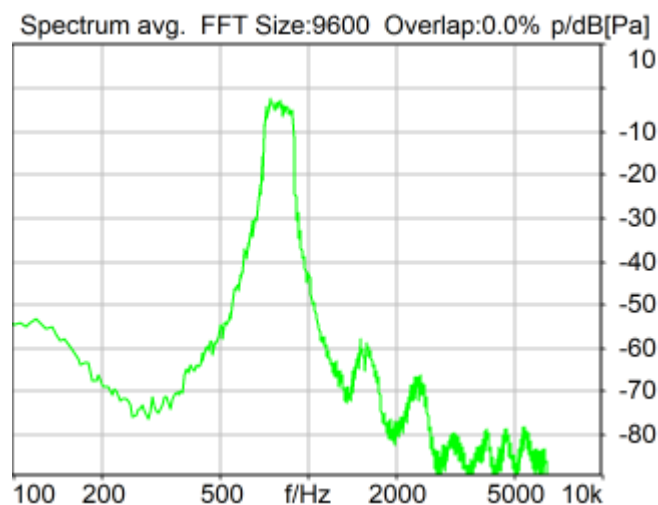
Distortion (Noise) RCV (packed): 35.81 dB (1.62%) Ok

Ok

26/03/03 14:43 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 800 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



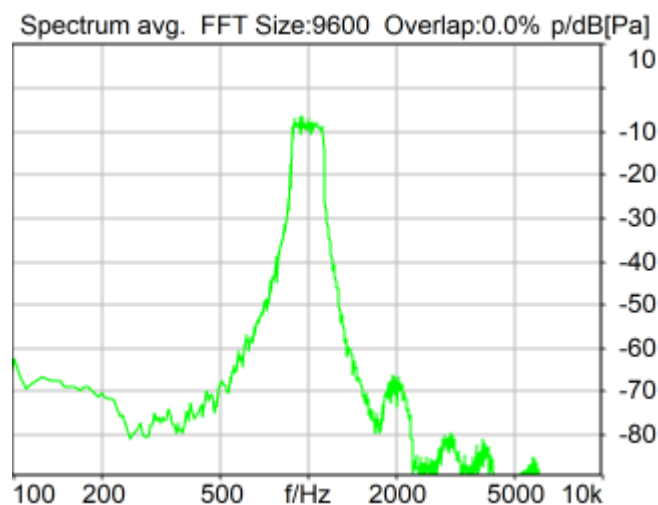
Distortion (Noise) RCV (packed): 32.73 dB (2.31%) Ok

Ok

26/03/03 14:43 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



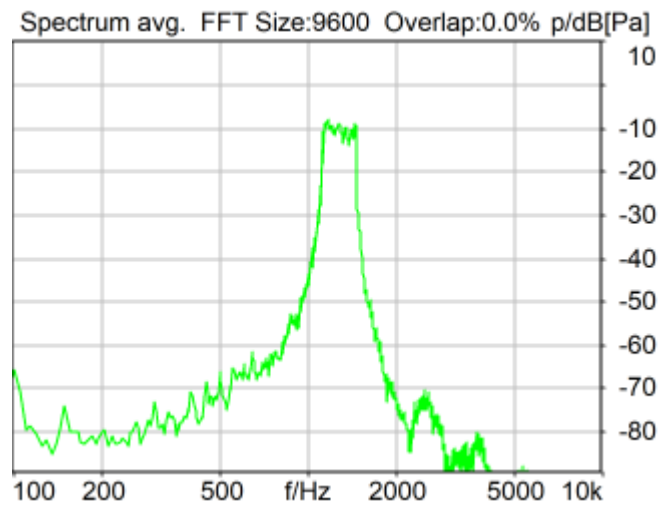
Distortion (Noise) RCV (packed): 28.90 dB (3.59%) Ok

Ok

26/03/03 14:44 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1250 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



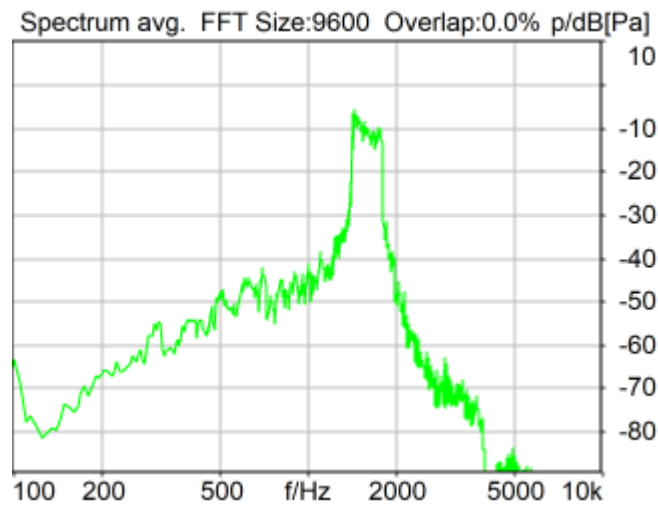
Distortion (Noise) RCV (packed): 23.14 dB (6.97%) Ok

Ok

26/03/03 14:44 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1600 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



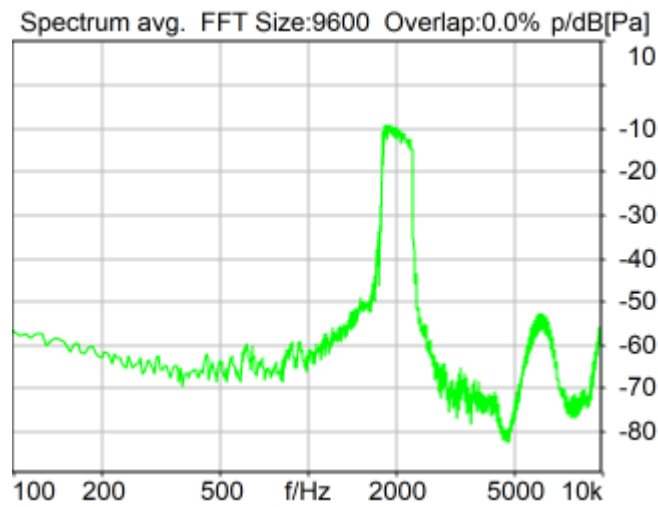
Distortion (Noise) RCV (packed): 25.16 dB (5.52%) Ok

Ok

26/03/03 14:45 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



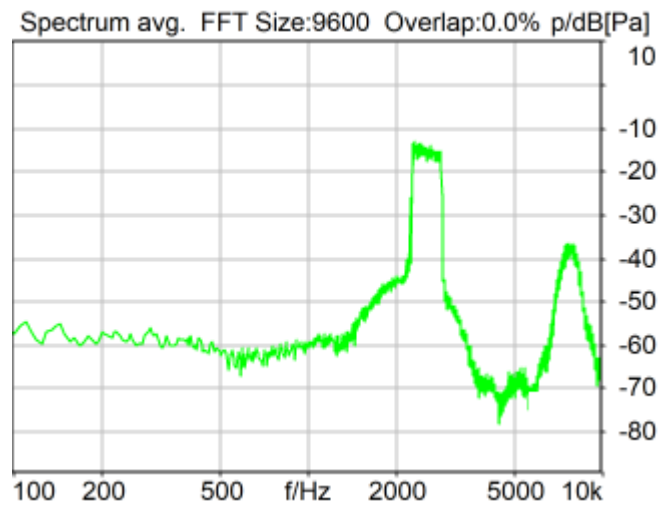
Distortion (Noise) RCV (packed): 32.19 dB (2.46%) Ok

Ok

26/03/03 14:45 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



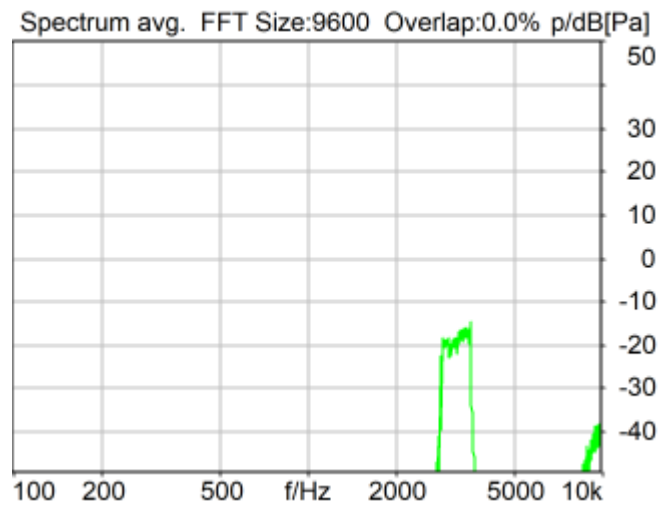
Distortion (Noise) RCV (packed): 20.06 dB (9.93%) Ok

Ok

26/03/03 14:46 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 3150 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N



Distortion (Noise) RCV (packed): 20.15 dB (9.82%) Ok

Ok

26/03/03 14:46 ACQUA 5.1.200

Report - Receive Distortion and Noise (Conversational Gain)

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N

Region	Frequency	SDNR
1	400Hz	28.54 dB
2	500Hz	29.75 dB
3	630Hz	35.81 dB
4	800Hz	32.73 dB
5	1000Hz	28.90 dB
6	1250Hz	23.14 dB
7	1600Hz	25.16 dB
8	2000Hz	32.19 dB
9	2500Hz	20.06 dB
10	3150Hz	20.15 dB

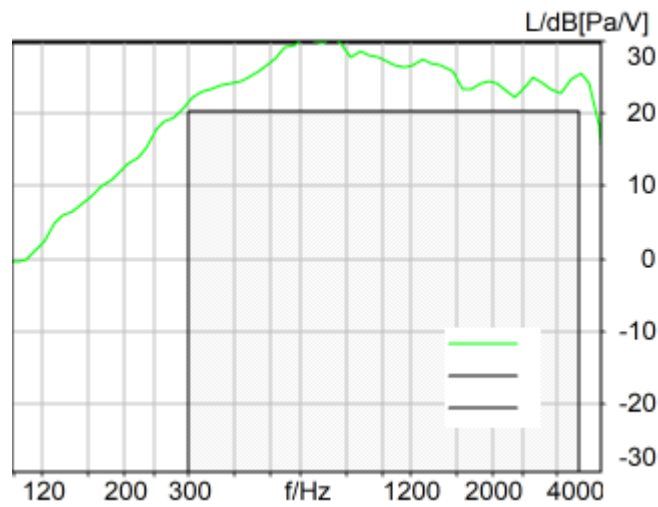
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 20.06dB at 2500Hz.

26/03/03 15:04 ACQUA

5.3 Frequency Response 8N FF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



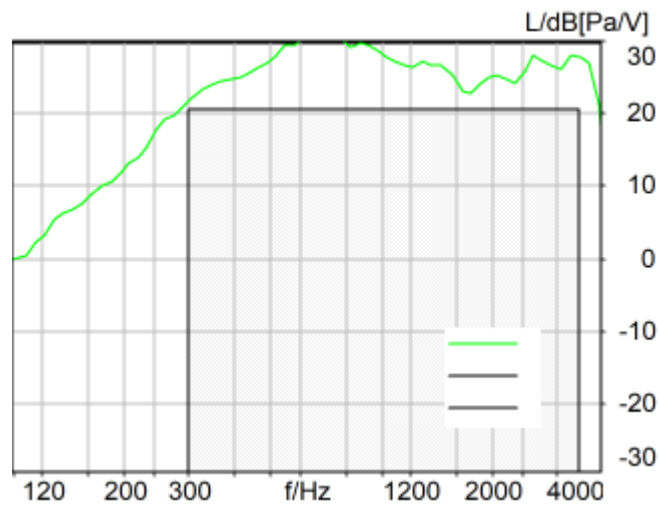
Absolute minimal distance
1.93 dB at 731.5 Hz Ok

Ok

26/03/03 15:05 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



Absolute minimal distance
1.88 dB at 305.9 Hz Ok

Ok

26/03/03 15:05 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch60_2N
--------------------	--

Project	612609
Report Generation Date	26/03/03 19:39
Responsible Person	AC01-KS

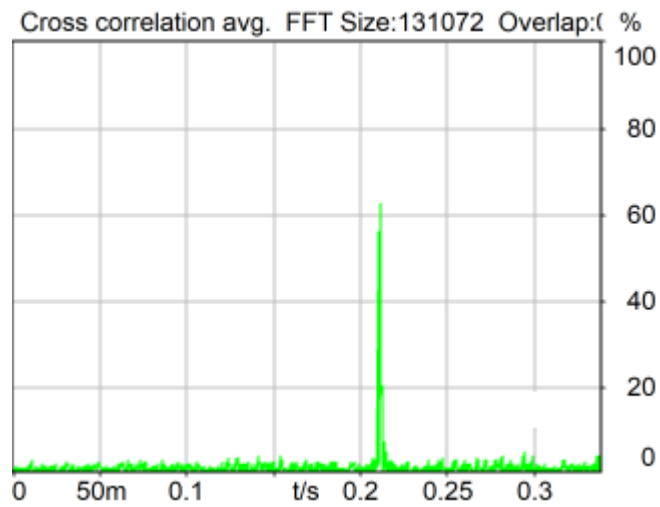
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	211.5	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	92.38	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.28	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.22	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.97	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.57	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.53	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.34	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.52	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.80	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.37	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.60	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1250Hz)	21.34	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 305.9 Hz	1.82	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	1.93	WLAN5GHz_802.11a 6Mbps_EVS NB 24. 4kbps_Ch60_2N

Overall Receive Delay NB	5
5.1b Receive Volume Control Performance 2N NB	6
5.2 RCV Distortion and Noise - 400 Hz NB	7
5.2 RCV Distortion and Noise - 500 Hz NB	8
5.2 RCV Distortion and Noise - 630 Hz NB	9
5.2 RCV Distortion and Noise - 800 Hz NB	10
5.2 RCV Distortion and Noise - 1000 Hz NB	11
5.2 RCV Distortion and Noise - 1250 Hz NB	12
5.2 RCV Distortion and Noise - 1600 Hz NB	13
5.2 RCV Distortion and Noise - 2000 Hz NB	14
5.2 RCV Distortion and Noise - 2500 Hz NB	15
5.2 RCV Distortion and Noise - 3150 Hz NB	16
Report - Receive Distortion and Noise (Conversational Gain)	17
5.3 Frequency Response 2N FF HANB	18
5.3 Frequency Response 2N DF HANB	19

Overall Receive Delay NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ Preparation - Delay measurement

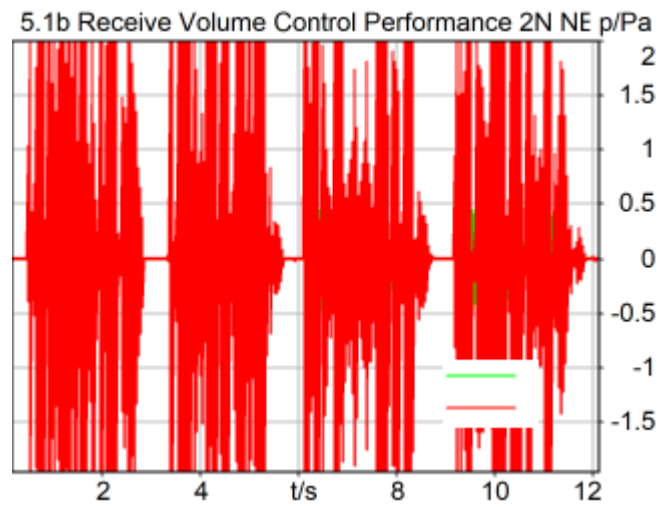


Delay (Cross): 211.5 ms

26/03/03 17:51 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

TIA-5050 (2018-01) \ Measurements \ Narrowband



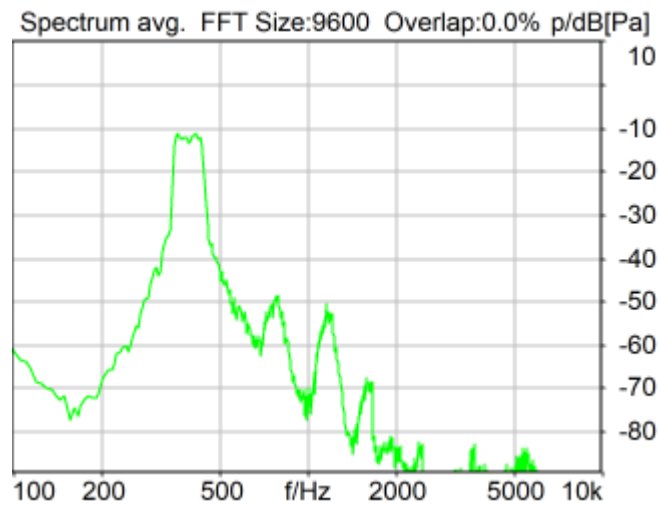
Speech Level RCV: 92.38 dB[SPL], Act.: 81.30% Ok

Ok

26/03/03 17:52 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 400 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



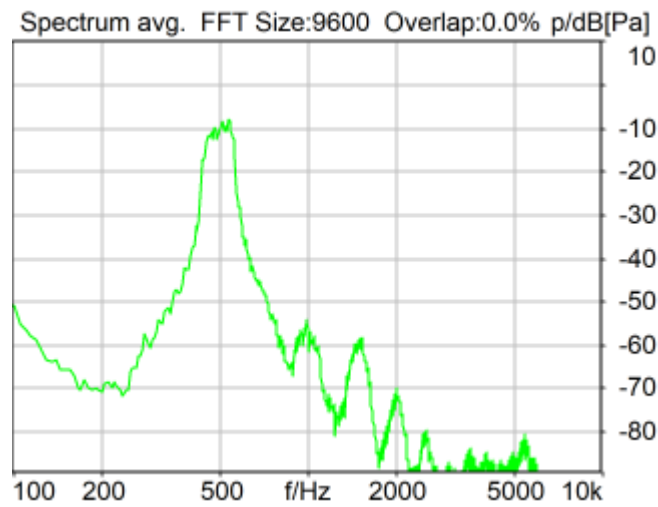
Distortion (Noise) RCV (packed): 32.28 dB (2.43%) Ok

Ok

26/03/03 17:52 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



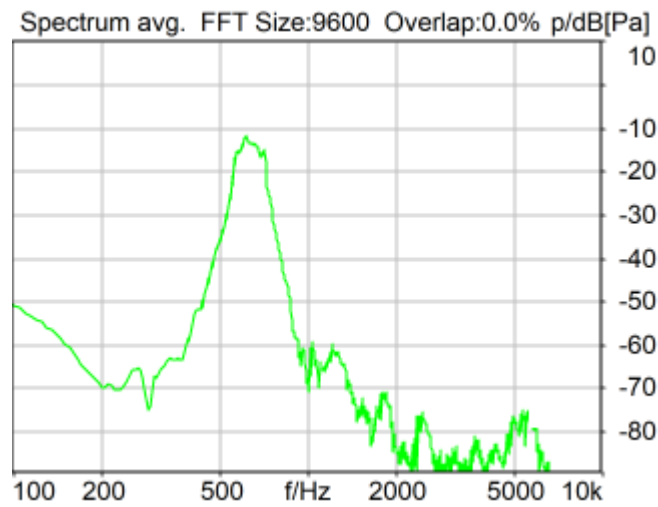
Distortion (Noise) RCV (packed): 31.22 dB (2.75%) Ok

Ok

26/03/03 17:53 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 630 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



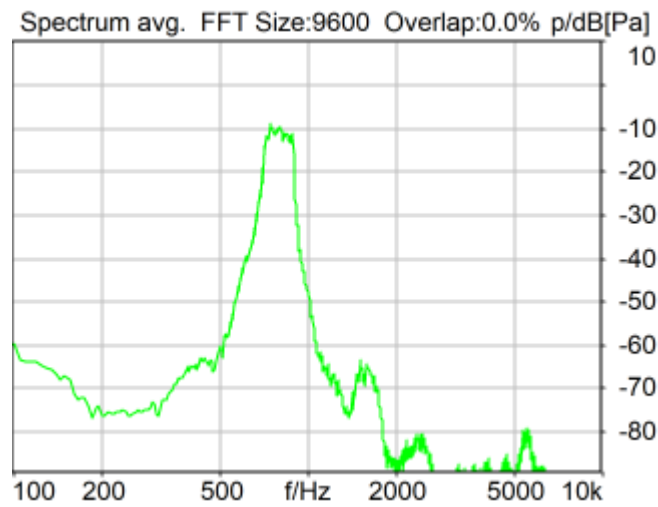
Distortion (Noise) RCV (packed): 22.97 dB (7.10%) Ok

Ok

26/03/03 17:53 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 800 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



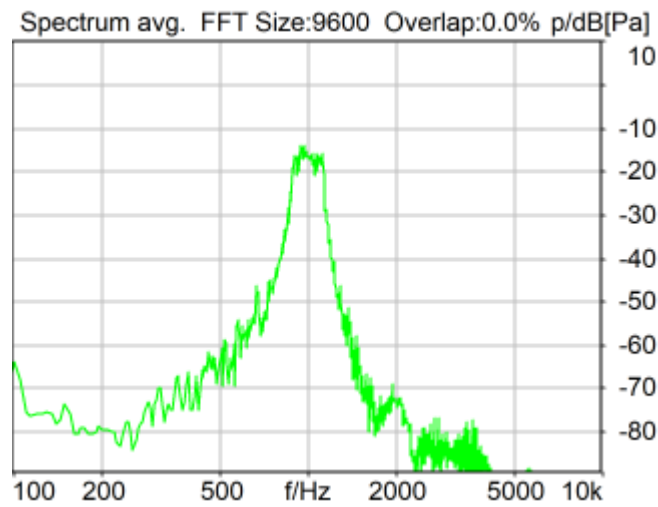
Distortion (Noise) RCV (packed): 29.57 dB (3.32%) Ok

Ok

26/03/03 17:54 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



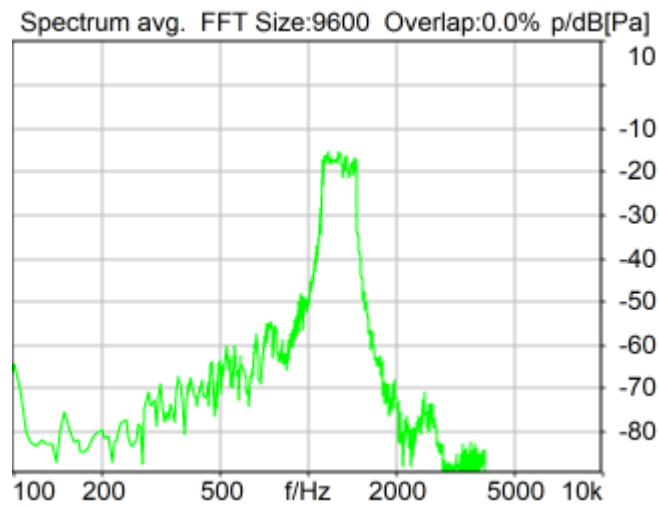
Distortion (Noise) RCV (packed): 22.53 dB (7.47%) Ok

Ok

26/03/03 17:54 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1250 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



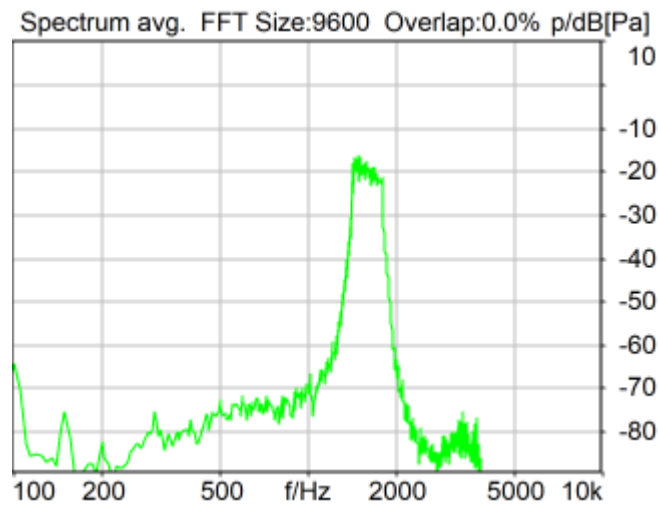
Distortion (Noise) RCV (packed): 21.34 dB (8.57%) Ok

Ok

26/03/03 17:55 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1600 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



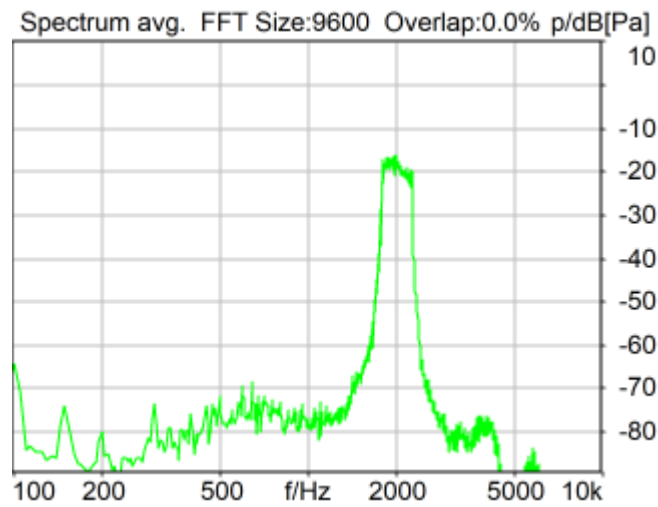
Distortion (Noise) RCV (packed): 26.52 dB (4.72%) Ok

Ok

26/03/03 17:55 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



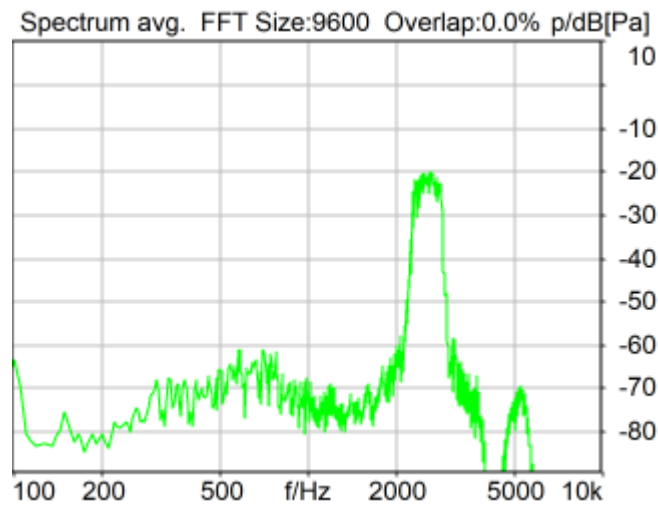
Distortion (Noise) RCV (packed): 30.80 dB (2.88%) Ok

Ok

26/03/03 17:56 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



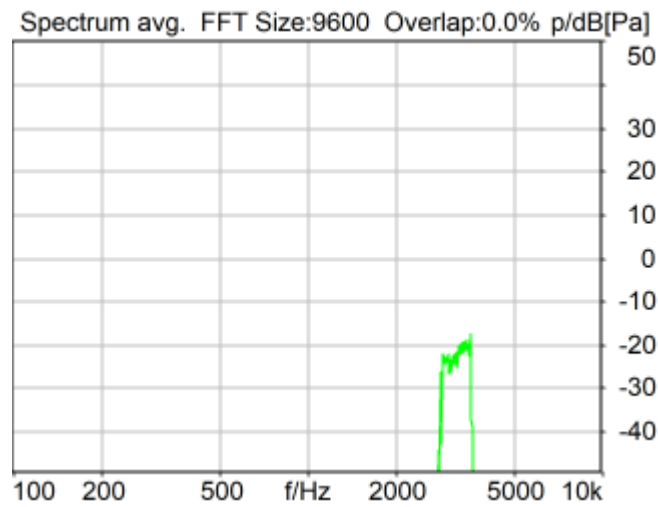
Distortion (Noise) RCV (packed): 28.37 dB (3.82%) Ok

Ok

26/03/03 17:56 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 3150 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N



Distortion (Noise) RCV (packed): 31.60 dB (2.63%) Ok

Ok

26/03/03 17:57 ACQUA 5.1.200

Report - Receive Distortion and Noise (Conversational Gain)

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 2N

Region	Frequency	SDNR
1	400Hz	32.28 dB
2	500Hz	31.22 dB
3	630Hz	22.97 dB
4	800Hz	29.57 dB
5	1000Hz	22.53 dB
6	1250Hz	21.34 dB
7	1600Hz	26.52 dB
8	2000Hz	30.80 dB
9	2500Hz	28.37 dB
10	3150Hz	31.60 dB

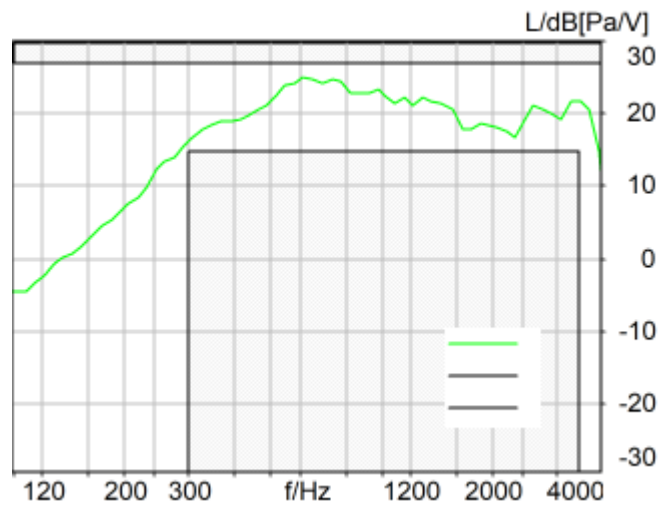
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.34dB at 1250Hz.

26/03/03 19:36 ACQUA

5.3 Frequency Response 2N FF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



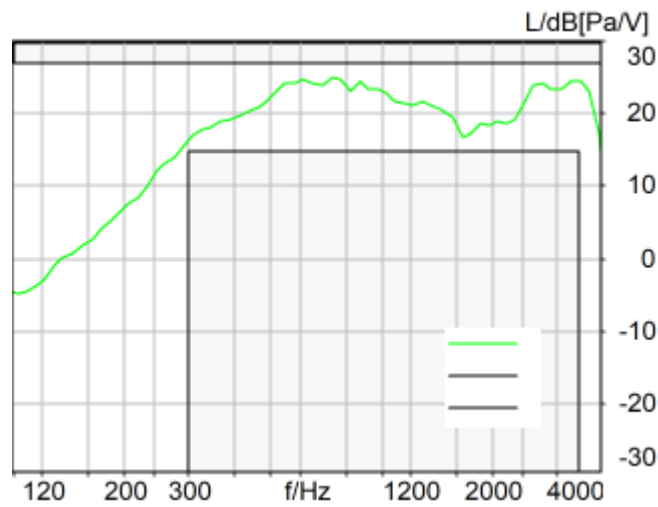
Absolute minimal distance
1.82 dB at 305.9 Hz Ok

Ok

26/03/03 19:36 ACQUA 5.1.200

5.3 Frequency Response 2N DF HANB

TIA-5050 (2018-01) \ Measurements \ Narrowband



Absolute minimal distance
1.93 dB at 731.5 Hz Ok

Ok

26/03/03 19:37 ACQUA 5.1.200

Measurement Protocol

Measurement Object	GSM1900_GSM Voice_AMR WB 6.60kbps_Ch661_2N
--------------------	--

Project	612609
Report Generation Date	26/03/03 10:56
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	196.4	GSM1900_GSM Voice_AMR WB 6.60kbps_Ch661_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	91.38	GSM1900_GSM Voice_AMR WB 6.60kbps_Ch661_2N

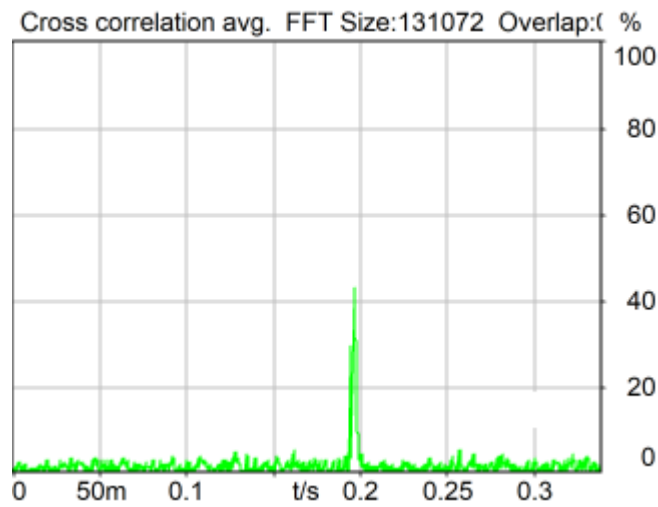
ACQUA Report
60kbps_Ch661_2N

Title: GSM1900_GSM Voice_AMR WB 6.

Overall Receive Delay WB	5
5.1b Receive Volume Control Performance 2N WB	6

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

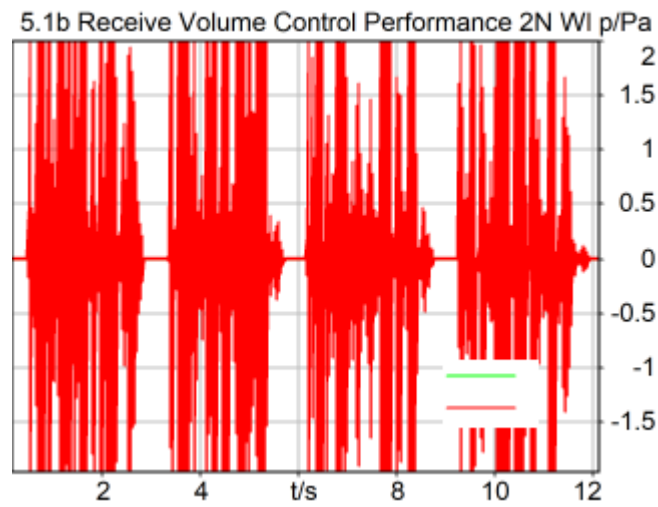


Delay (Cross): 196.4 ms

26/03/03 10:55 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



Speech Level RCV: 91.38 dB[SPL], Act.: 81.09% Ok

Ok

26/03/03 10:55 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WCDMA V_Voice_AMR WB 6.60kbps_Ch4182_2N
--------------------	---

Project	612609
Report Generation Date	26/03/03 13:34
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	192.8	WCDMA V_Voice_AMR WB 6. 60kbps_Ch4182_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	91.25	WCDMA V_Voice_AMR WB 6. 60kbps_Ch4182_2N

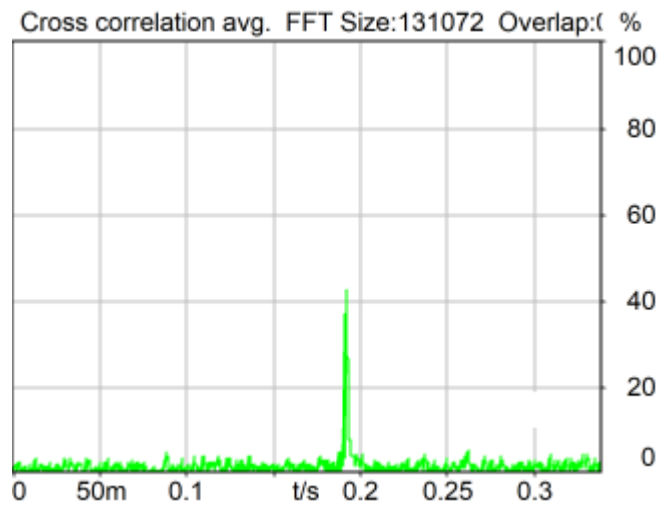
ACQUA Report
60kbps_Ch4182_2N

Title: WCDMA V_Voice_AMR WB 6.

Overall Receive Delay WB	5
5.1b Receive Volume Control Performance 2N WB	6

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

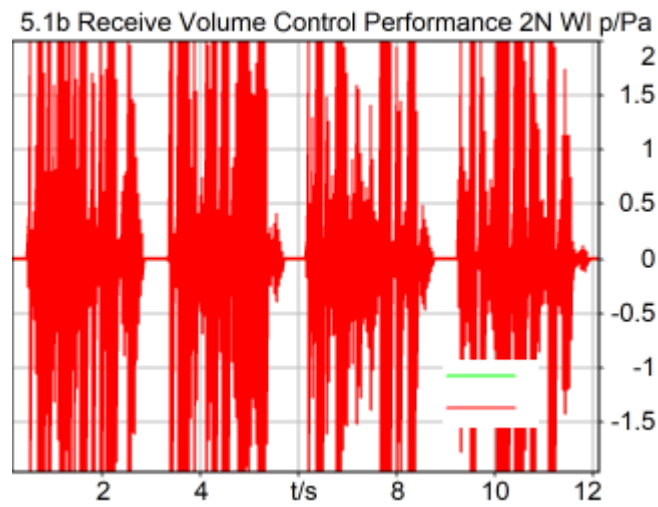


Delay (Cross): 192.8 ms

26/03/03 13:34 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



Speech Level RCV: 91.25 dB[SPL], Act.: 81.04% Ok

Ok

26/03/03 13:34 ACQUA 5.1.200

Measurement Protocol

Measurement Object	LTE Band 42_20M_QPSK_1RB_0Offset_EVS WB 5.9kbps_Ch42590_2N
--------------------	--

Project	612609
Report Generation Date	26/03/02 12:59
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	103.7	LTE Band 42_20M_QPSK_1RB_0Offset_EVS WB 5.9kbps_Ch42590_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	91.02	LTE Band 42_20M_QPSK_1RB_0Offset_EVS WB 5.9kbps_Ch42590_2N

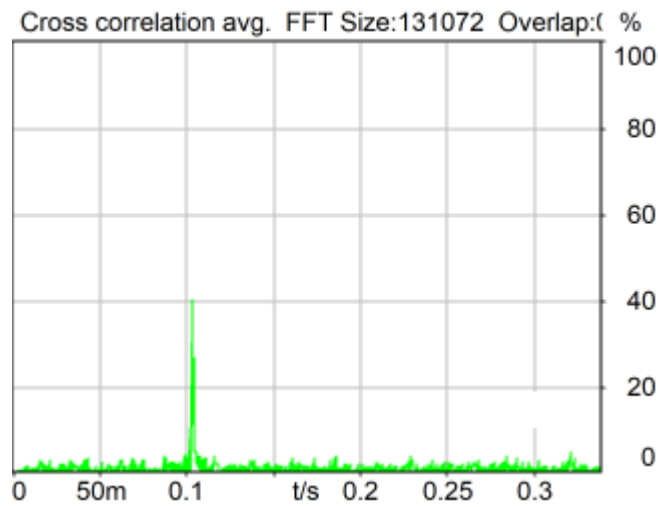
ACQUA Report
42_20M_QPSK_1RB_0Offset_EVS WB 5.9kbps_Ch42590_2N

Title: LTE Band

Overall Receive Delay WB	5
5.1b Receive Volume Control Performance 2N WB	6

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

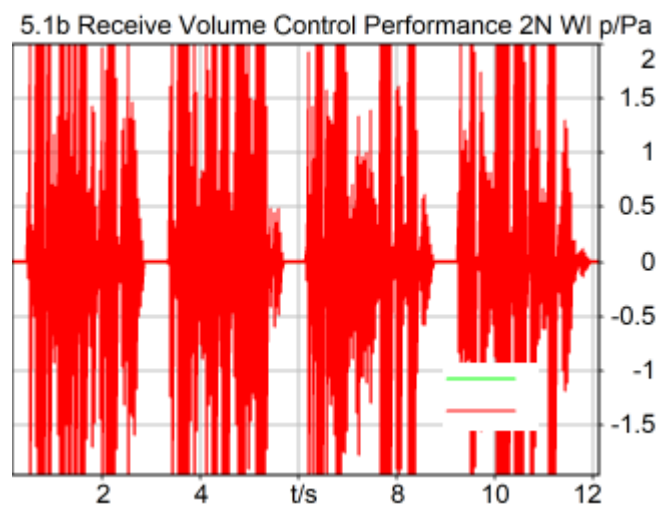


Delay (Cross): 103.7 ms

26/03/02 12:59 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



Speech Level RCV: 91.02 dB[SPL], Act.: 81.46% Ok

Ok

26/03/02 12:59 ACQUA 5.1.200

ACQUA Report
WB 6.60kbps_Ch633332_2N

Title: 08_FR1 n77_100M_QPSK_1RB_1Offset_AMR

Measurement Protocol

Measurement Object	FR1 n77_100M_QPSK_1RB_1Offset_AMR WB 6.60kbps_Ch633332_2N
--------------------	---

Project	612609
Report Generation Date	26/03/11 9:16
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	244.7	FR1 n77_100M_QPSK_1RB_1Offset_AMR WB 6.60kbps_Ch633332_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	91.46	FR1 n77_100M_QPSK_1RB_1Offset_AMR WB 6.60kbps_Ch633332_2N

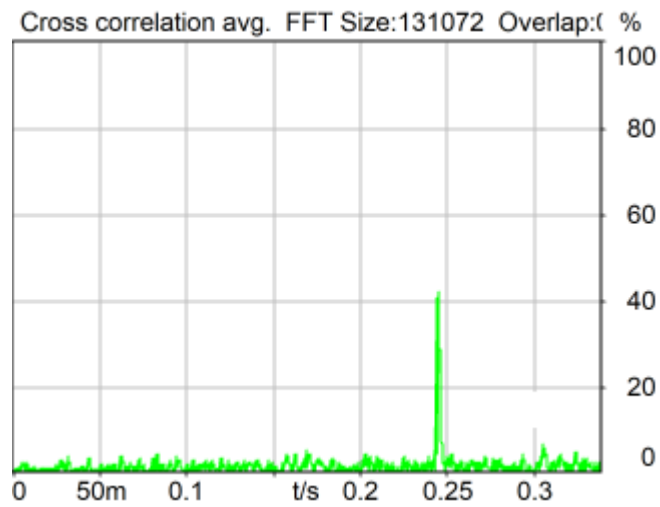
ACQUA Report
WB 6.60kbps_Ch633332_2N

Title: FR1 n77_100M_QPSK_1RB_1Offset_AMR

Overall Receive Delay WB	5
5.1b Receive Volume Control Performance 2N WB	6

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

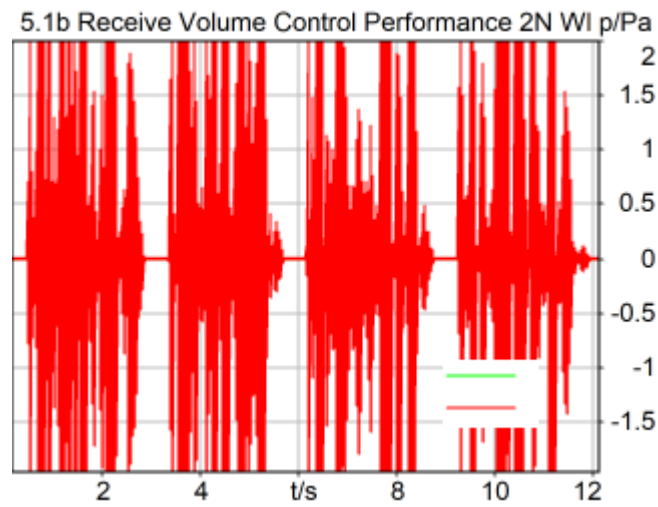


Delay (Cross): 244.7 ms

26/03/11 9:16 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



Speech Level RCV: 91.46 dB[SPL], Act.: 80.90% Ok

Ok

26/03/11 9:16 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_EVS WB 5.9kbps_Ch40_8N
--------------------	---

Project	612609
Report Generation Date	26/03/05 15:07
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	195.7	WLAN5GHz_802.11a 6Mbps_EVS WB 5.9kbps_Ch40_8N
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	95.67	WLAN5GHz_802.11a 6Mbps_EVS WB 5.9kbps_Ch40_8N

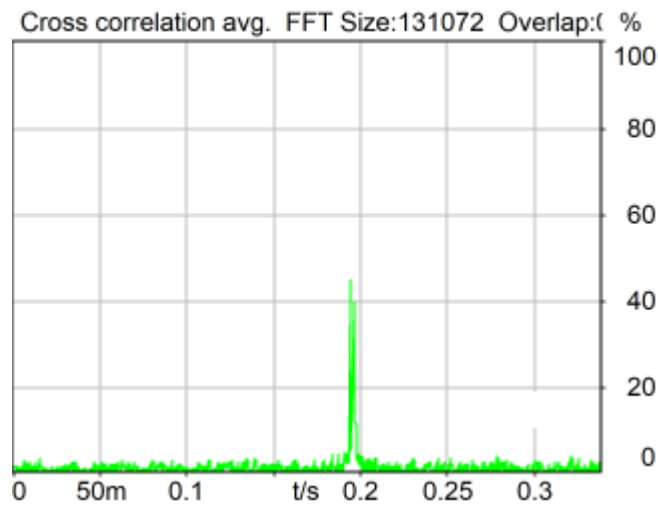
ACQUA Report
9kbps_Ch40_8N

Title: WLAN5GHz_802.11a 6Mbps_EVS WB 5.

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

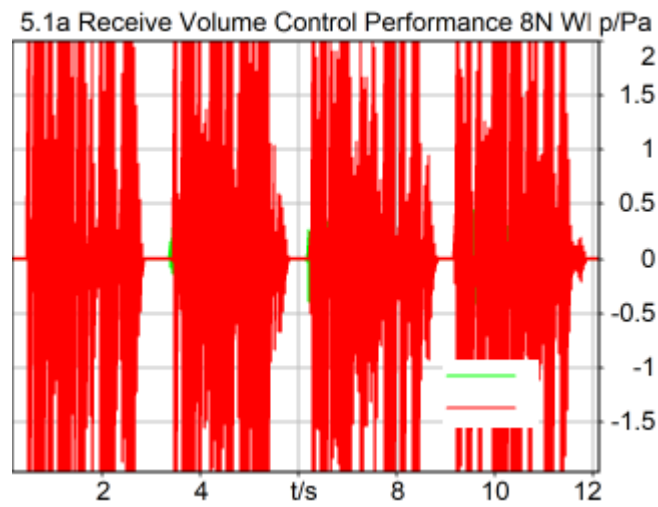


Delay (Cross): 195.7 ms

26/03/05 15:06 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



Speech Level RCV: 95.67 dB[SPL], Act.: 81.58% Ok

Ok

26/03/05 15:06 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
--------------------	---

Project	612609
Report Generation Date	26/03/03 16:54
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	202.2	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	90.41	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.23	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.64	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.58	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.26	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.09	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.08	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.38	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.71	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.33	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.61	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.33	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.97	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.80	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.22	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
Report - Receive Distortion	Ok	Minimum SDNR [dB],	23.23	WLAN5GHz_802.11a

ACQUA Report
128kbps_Ch40_2N

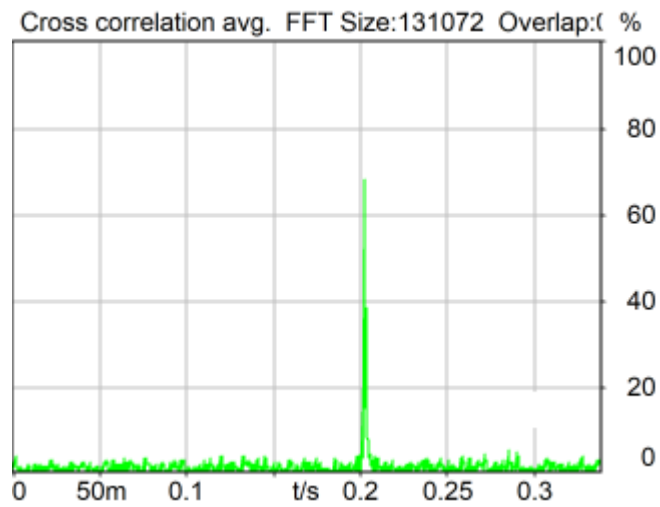
Title: WLAN5GHz_802.11a 6Mbps_EVS WB

and Noise (Conversational Gain)		(occured at 250Hz)		6Mbps_EVS WB 128kbps_Ch40_2N
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	0.47	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 5443.6 Hz	0.08	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch40_2N

Overall Receive Delay WB	6
5.1b Receive Volume Control Performance 2N WB	7
5.2 RCV Distortion and Noise - 250 Hz WB	8
5.2 RCV Distortion and Noise - 315 Hz WB	9
5.2 RCV Distortion and Noise - 400 Hz WB	10
5.2 RCV Distortion and Noise - 500 Hz WB	11
5.2 RCV Distortion and Noise - 630 Hz WB	12
5.2 RCV Distortion and Noise - 800 Hz WB	13
5.2 RCV Distortion and Noise - 1000 Hz WB	14
5.2 RCV Distortion and Noise - 1250 Hz WB	15
5.2 RCV Distortion and Noise - 1600 Hz WB	16
5.2 RCV Distortion and Noise - 2000 Hz WB	17
5.2 RCV Distortion and Noise - 2500 Hz WB	18
5.2 RCV Distortion and Noise - 3150 Hz WB	19
5.2 RCV Distortion and Noise - 4000 Hz WB	20
5.2 RCV Distortion and Noise - 5000 Hz WB	21
Report - Receive Distortion and Noise (Conversational Gain)	22
5.3 Frequency Response 2N FF	23
5.3 Frequency Response 2N DF	24

Overall Receive Delay WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ Preparation - Delay measurement

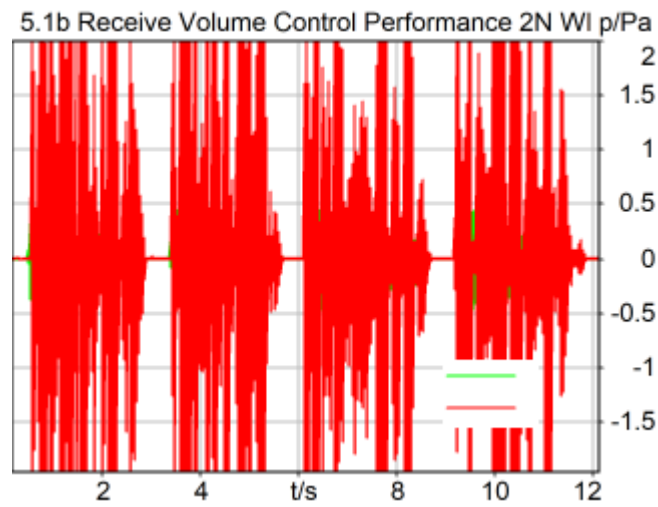


Delay (Cross): 202.2 ms

26/03/03 16:44 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband



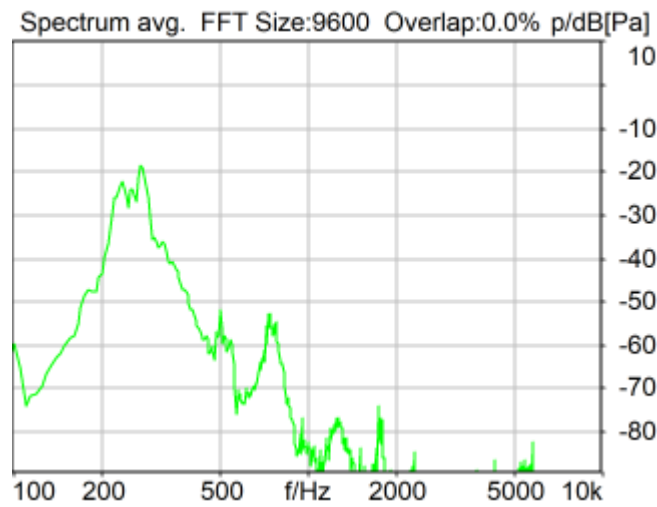
Speech Level RCV: 90.41 dB[SPL], Act.: 81.44% Ok

Ok

26/03/03 16:45 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



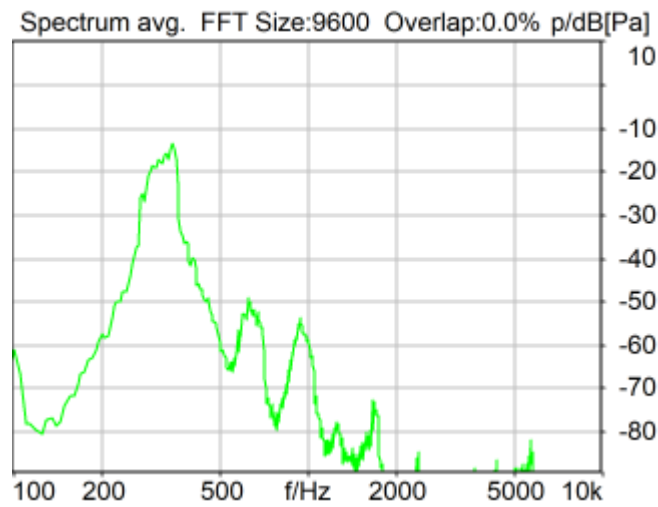
Distortion (Noise) RCV (packed): 23.23 dB (6.90%) Ok

Ok

26/03/03 16:45 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



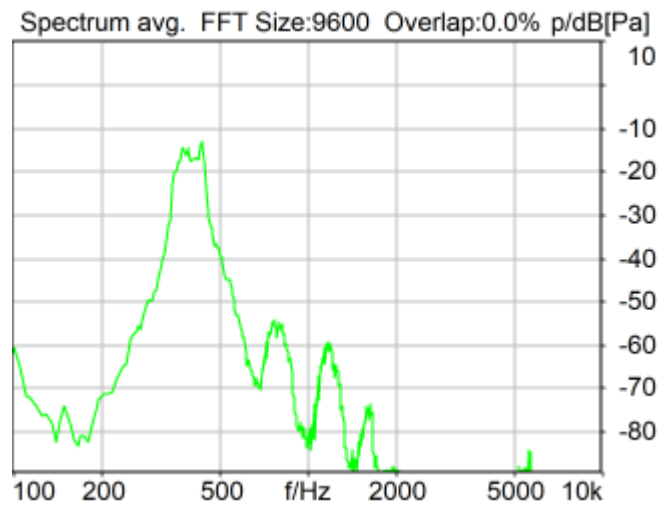
Distortion (Noise) RCV (packed): 29.64 dB (3.30%) Ok

Ok

26/03/03 16:46 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



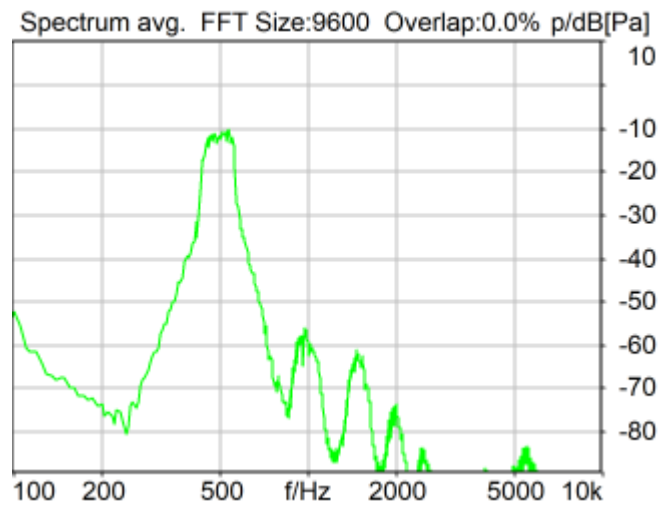
Distortion (Noise) RCV (packed): 28.58 dB (3.73%) Ok

Ok

26/03/03 16:46 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



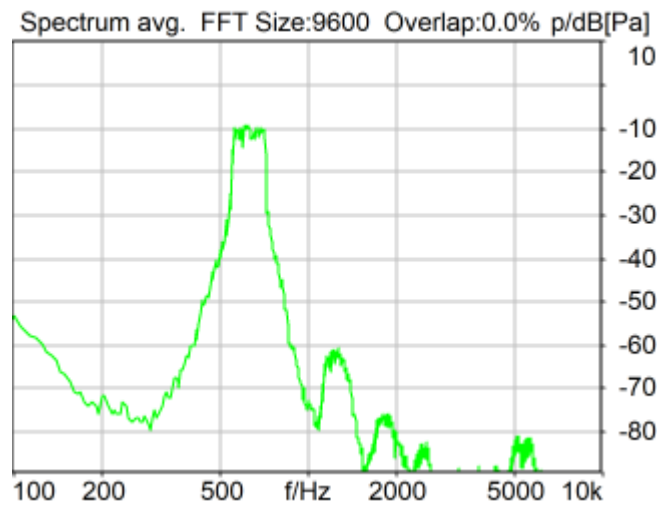
Distortion (Noise) RCV (packed): 30.26 dB (3.07%) Ok

Ok

26/03/03 16:47 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



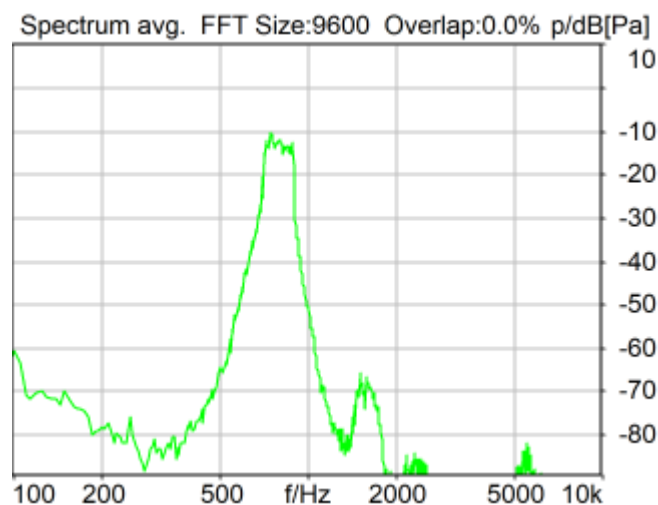
Distortion (Noise) RCV (packed): 32.09 dB (2.48%) Ok

Ok

26/03/03 16:47 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



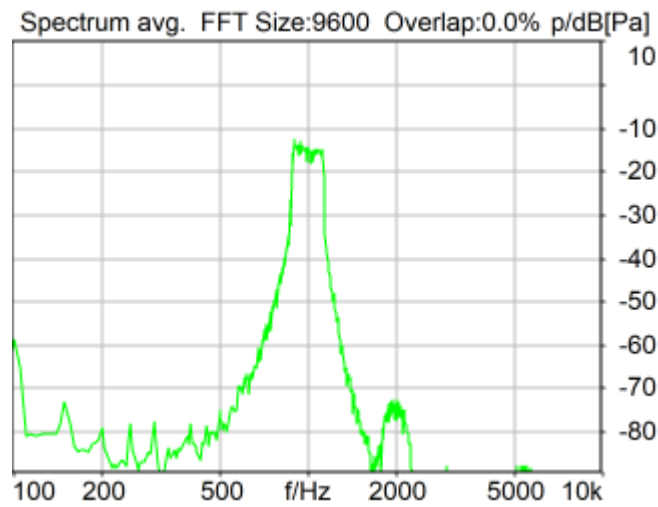
Distortion (Noise) RCV (packed): 29.08 dB (3.51%) Ok

Ok

26/03/03 16:48 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



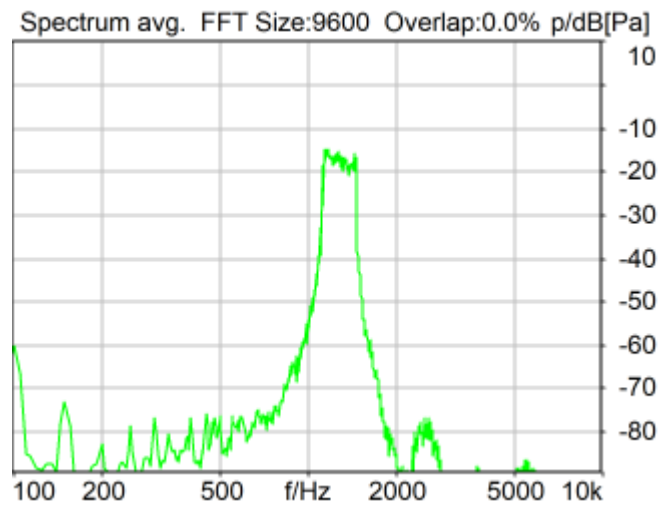
Distortion (Noise) RCV (packed): 30.38 dB (3.03%) Ok

Ok

26/03/03 16:48 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



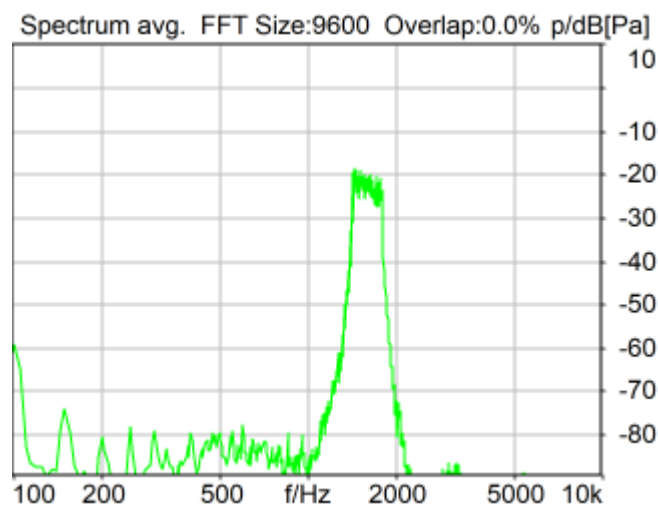
Distortion (Noise) RCV (packed): 25.71 dB (5.18%) Ok

Ok

26/03/03 16:49 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



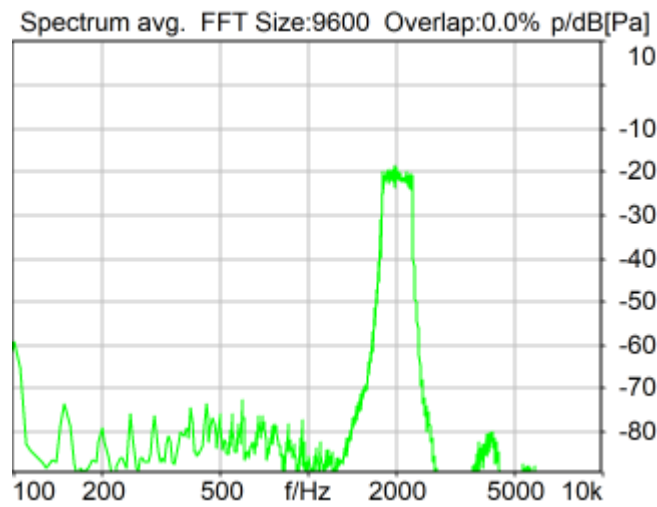
Distortion (Noise) RCV (packed): 31.33 dB (2.71%) Ok

Ok

26/03/03 16:49 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



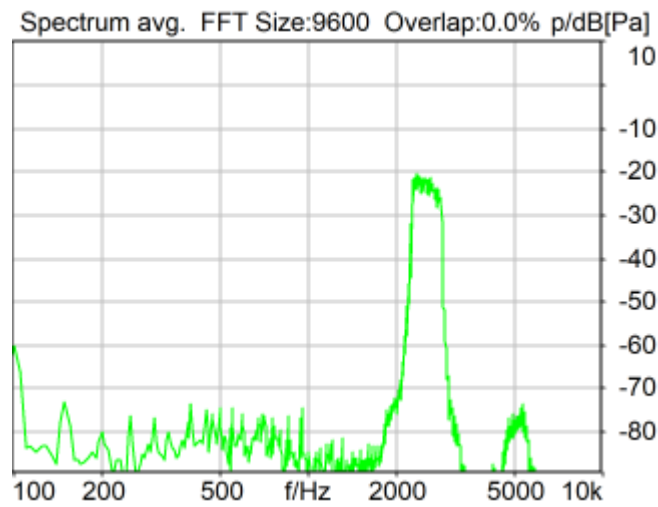
Distortion (Noise) RCV (packed): 30.61 dB (2.95%) Ok

Ok

26/03/03 16:50 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



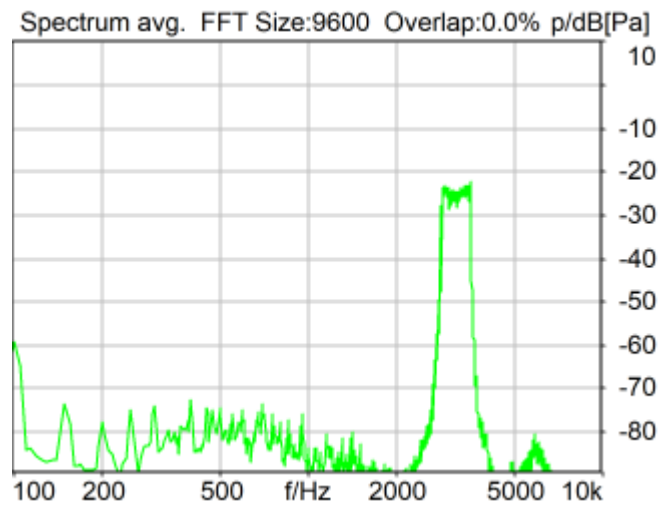
Distortion (Noise) RCV (packed): 33.33 dB (2.15%) Ok

Ok

26/03/03 16:50 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



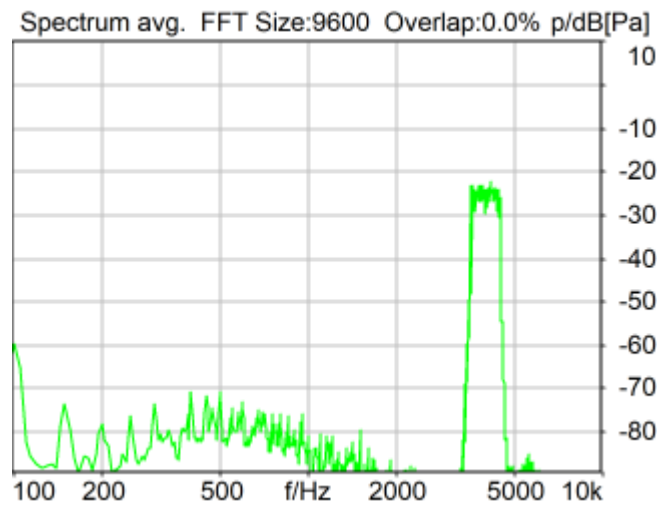
Distortion (Noise) RCV (packed): 35.97 dB (1.59%) Ok

Ok

26/03/03 16:51 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



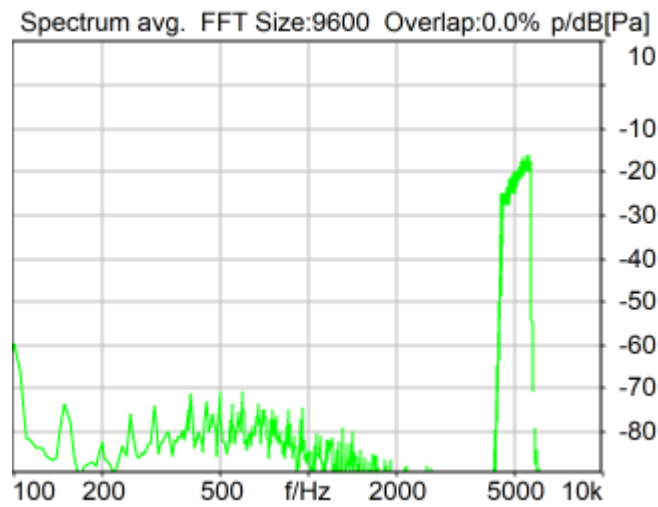
Distortion (Noise) RCV (packed): 37.80 dB (1.29%) Ok

Ok

26/03/03 16:51 ACQUA 5.1.200

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N



Distortion (Noise) RCV (packed): 42.22 dB (0.77%) Ok

Ok

26/03/03 16:52 ACQUA 5.1.200

Report - Receive Distortion and Noise (Conversational Gain)

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N

Region	Frequency	SDNR
1	250Hz	23.23 dB
2	315Hz	29.64 dB
3	400Hz	28.58 dB
4	500Hz	30.26 dB
5	630Hz	32.09 dB
6	800Hz	29.08 dB
7	1000Hz	30.38 dB
8	1250Hz	25.71 dB
9	1600Hz	31.33 dB
10	2000Hz	30.61 dB
11	2500Hz	33.33 dB
12	3150Hz	35.97 dB
13	4000Hz	37.80 dB
14	5000Hz	42.22 dB

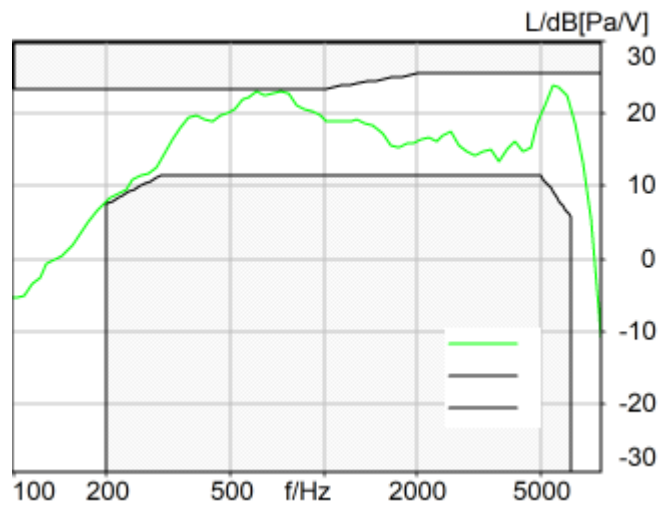
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 23.23dB at 250Hz.

26/03/03 16:52 ACQUA

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband



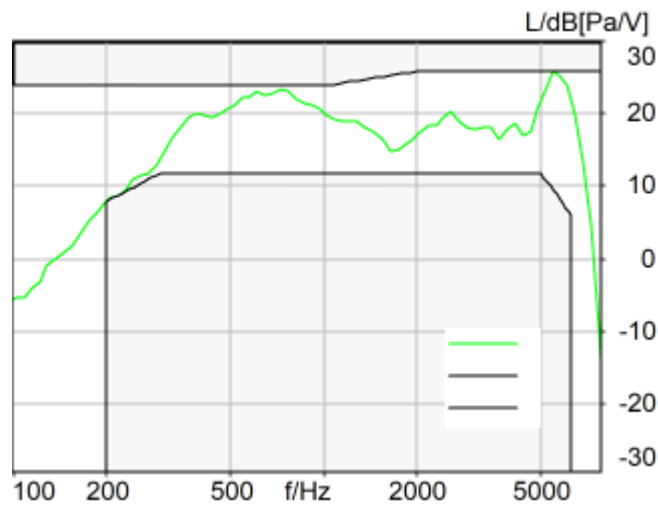
Absolute minimal distance
0.47 dB at 611.7 Hz Ok

Ok

26/03/03 16:52 ACQUA 5.1.200

5.3 Frequency Response 2N DF

TIA-5050 (2018-01) \ Measurements \ Wideband



Absolute minimal distance
0.08 dB at 5443.6 Hz Ok

Ok

26/03/03 16:52 ACQUA 5.1.200