
Measurement Protocol

Measurement Object	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
--------------------	---

Project	561202
Report Generation Date	25/07/17 18:44
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	279.5	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.77	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.10	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.81	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.01	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.79	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.51	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.95	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.68	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.97	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.03	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.89	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1250Hz)	25.95	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 305.9 Hz	1.50	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 1747.8 Hz	1.79	LTE Band 25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N

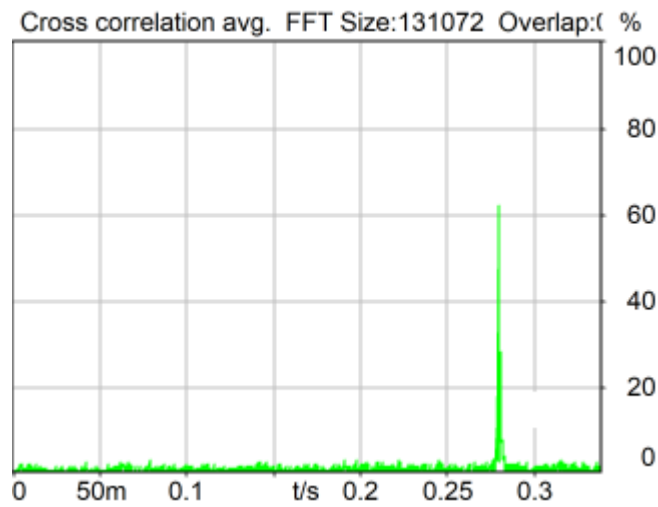
ACQUA Report
25_20M_QPSK_1RB_0Offset_EVS NB 24.4kbps_Ch26340_8N

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

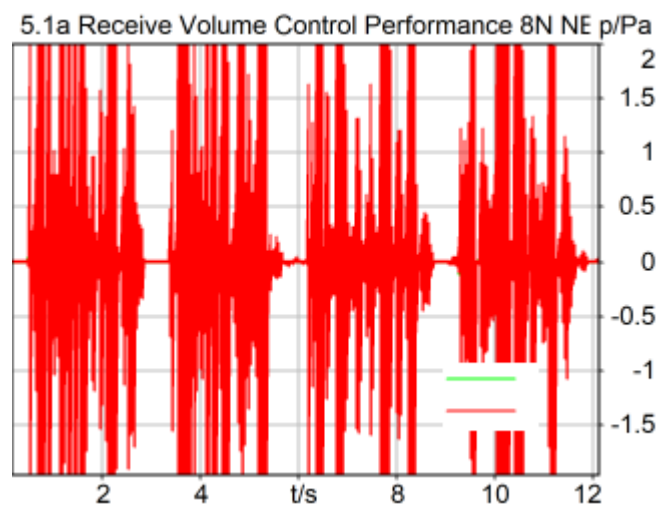


Delay (Cross): 279.5 ms

25/07/17 18:34 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



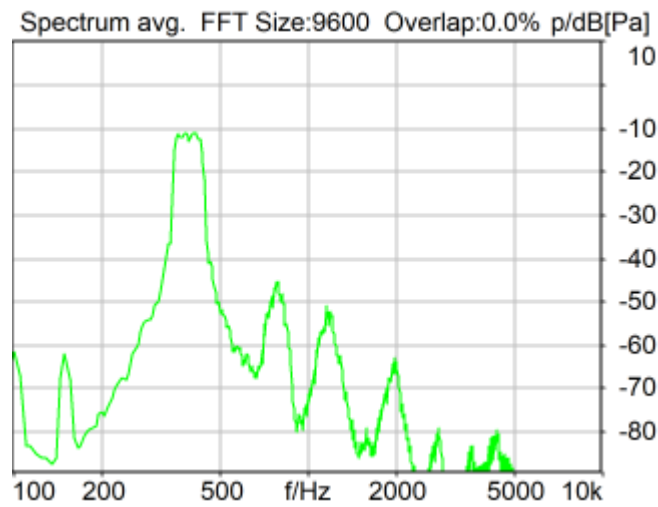
Speech Level RCV: 89.77 dB[SPL], Act.: 80.06% Ok

Ok

25/07/17 18:34 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



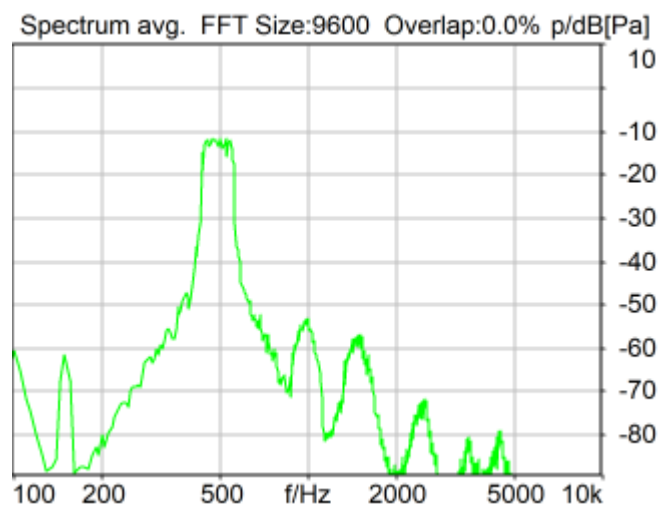
Distortion (Noise) RCV (packed): 34.10 dB (1.97%) Ok

Ok

25/07/17 18:35 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



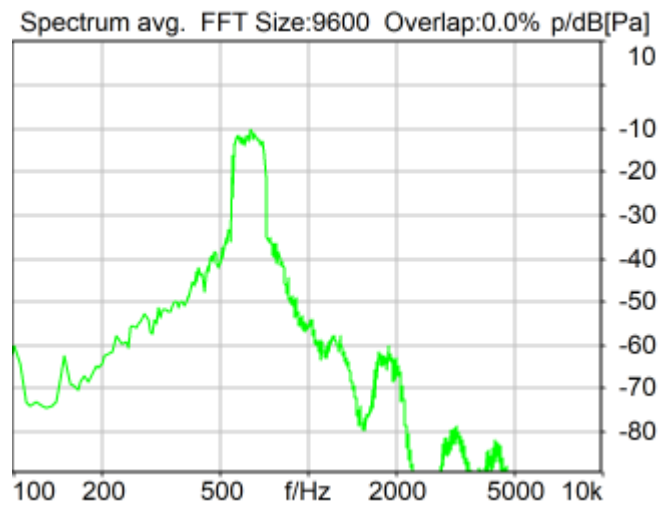
Distortion (Noise) RCV (packed): 35.81 dB (1.62%) Ok

Ok

25/07/17 18:35 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



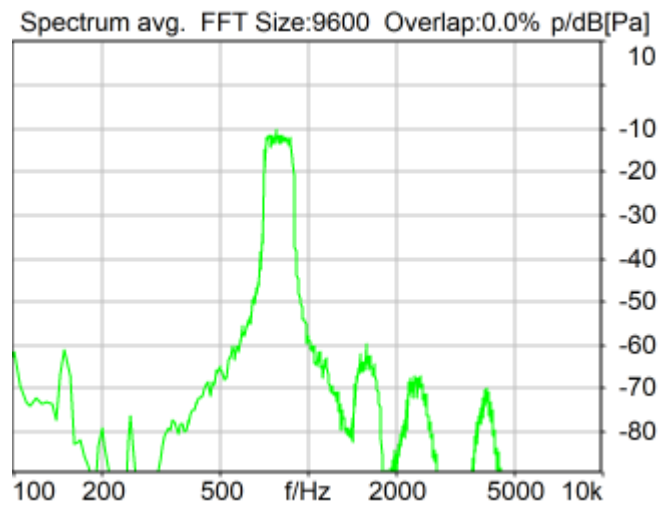
Distortion (Noise) RCV (packed): 28.01 dB (3.97%) Ok

Ok

25/07/17 18:36 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



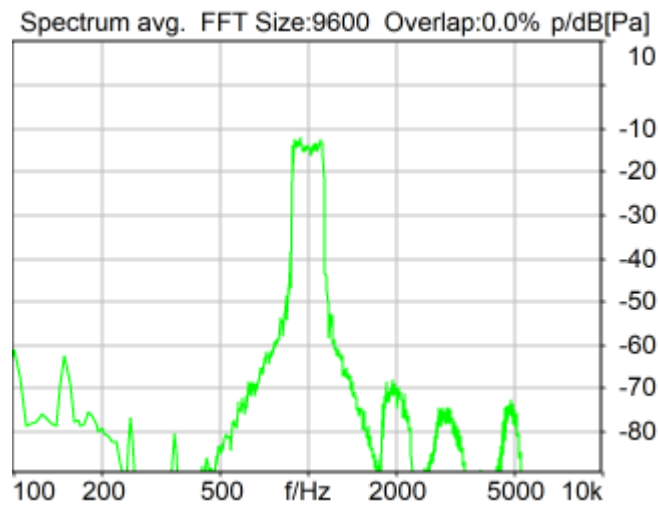
Distortion (Noise) RCV (packed): 39.79 dB (1.02%) Ok

Ok

25/07/17 18:36 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



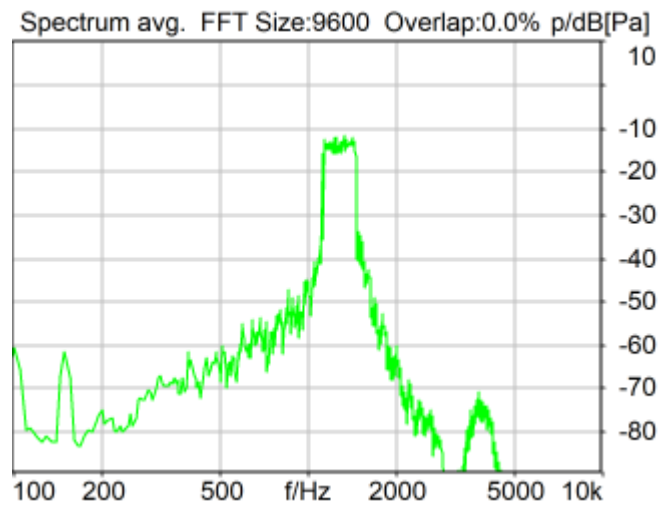
Distortion (Noise) RCV (packed): 41.51 dB (0.84%) Ok

Ok

25/07/17 18:37 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



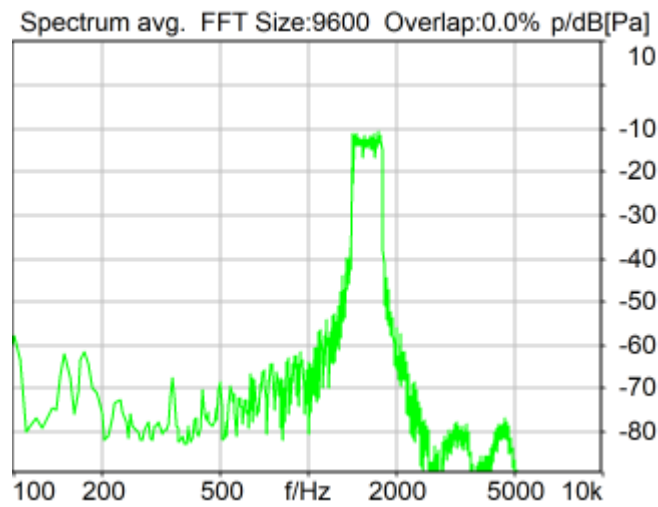
Distortion (Noise) RCV (packed): 25.95 dB (5.04%) Ok

Ok

25/07/17 18:37 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



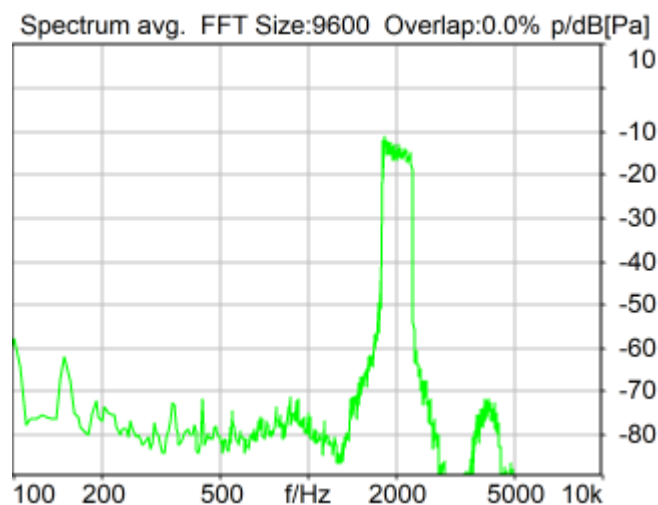
Distortion (Noise) RCV (packed): 35.68 dB (1.64%) Ok

Ok

25/07/17 18:38 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



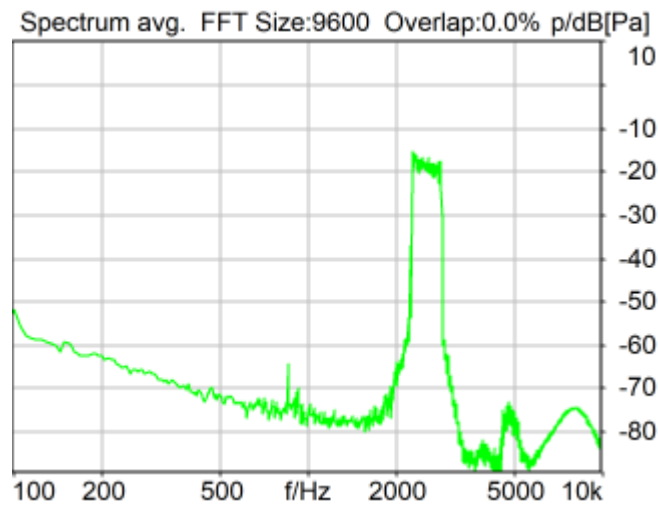
Distortion (Noise) RCV (packed): 44.97 dB (0.56%) Ok

Ok

25/07/17 18:38 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



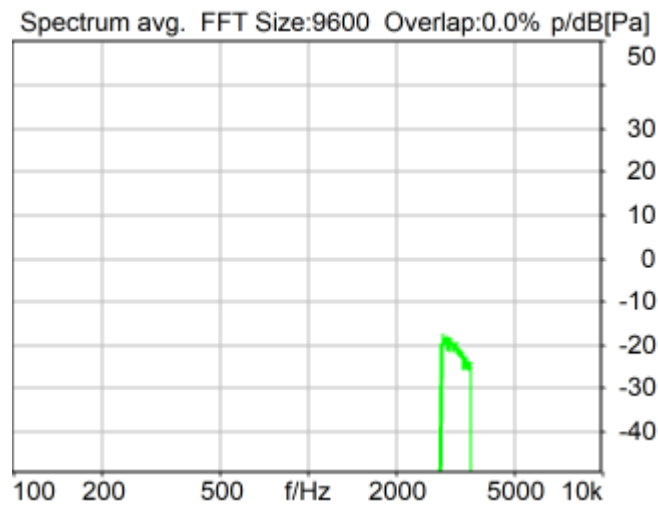
Distortion (Noise) RCV (packed): 42.03 dB (0.79%) Ok

Ok

25/07/17 18:38 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): 42.89 dB (0.72%) Ok

Ok

25/07/17 18:39 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	34.10 dB
2	500Hz	35.81 dB
3	630Hz	28.01 dB
4	800Hz	39.79 dB
5	1000Hz	41.51 dB
6	1250Hz	25.95 dB
7	1600Hz	35.68 dB
8	2000Hz	44.97 dB
9	2500Hz	42.03 dB
10	3150Hz	42.89 dB

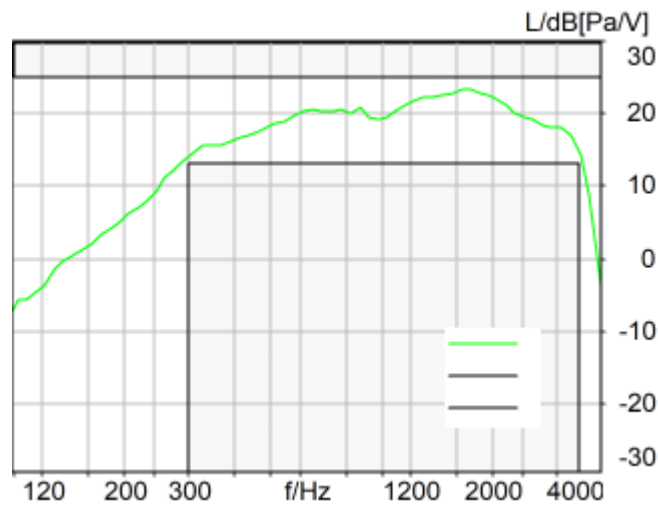
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 25.95dB at 1250Hz.

25/07/17 18:40 ACQUA

5.3 Frequency Response 8N FF HANB

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



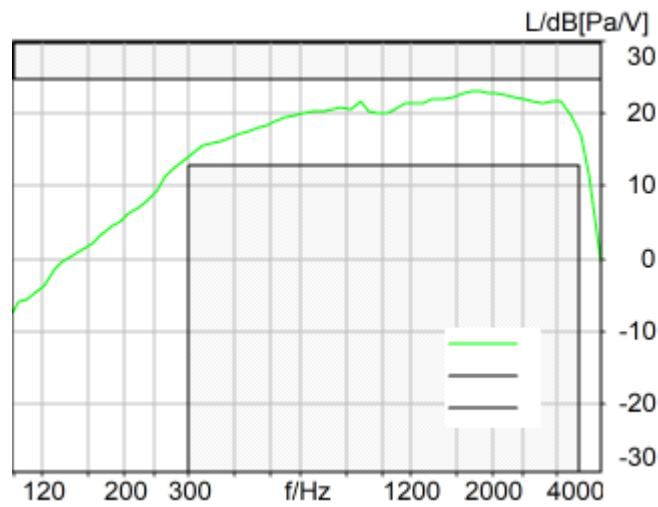
Absolute minimal distance
1.50 dB at 305.9 Hz Ok

Ok

25/07/17 18:40 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance
1.79 dB at 1747.8 Hz Ok

Ok

25/07/17 18:40 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n25_40M_BPSK_1RB_1Offset_EVS NB 24.4kbps_Ch376500_8N
--------------------	--

Project	561202
Report Generation Date	25/07/31 22:16
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	279.1	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.13	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.01	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.76	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.64	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.15	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.85	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.40	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.21	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.43	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.34	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.78	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1000Hz)	25.85	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1747.8 Hz	1.66	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 1747.8 Hz	1.91	FR1 n25_40M_BPSK_1RB_1Offset_E VS NB 24.4kbps_Ch376500_8N

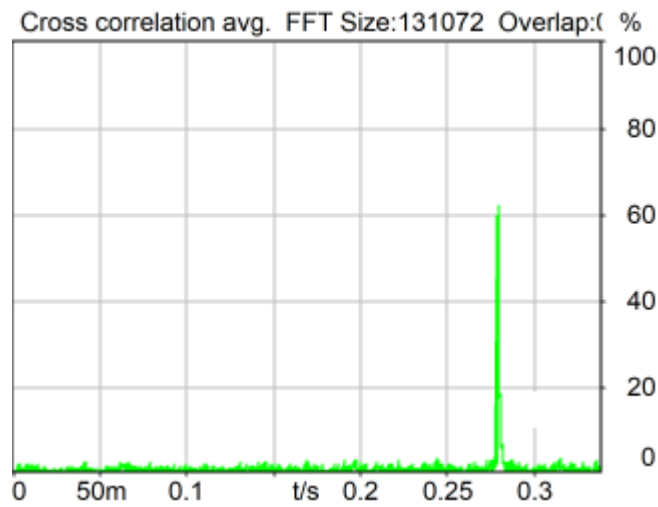
ACQUA Report
24.4kbps_Ch376500_8N

Title: FR1 n25_40M_BPSK_1RB_1Offset_EVS NB

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

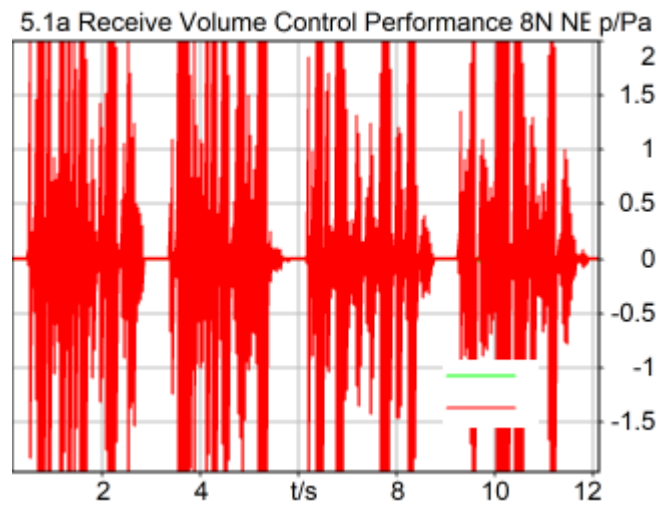


Delay (Cross): 279.1 ms

25/07/31 22:10 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



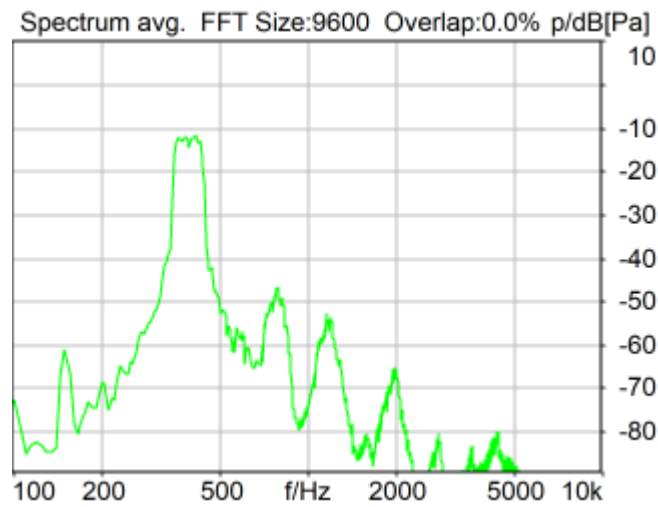
Speech Level RCV: 89.13 dB[SPL], Act.: 79.69% Ok

Ok

25/07/31 22:10 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



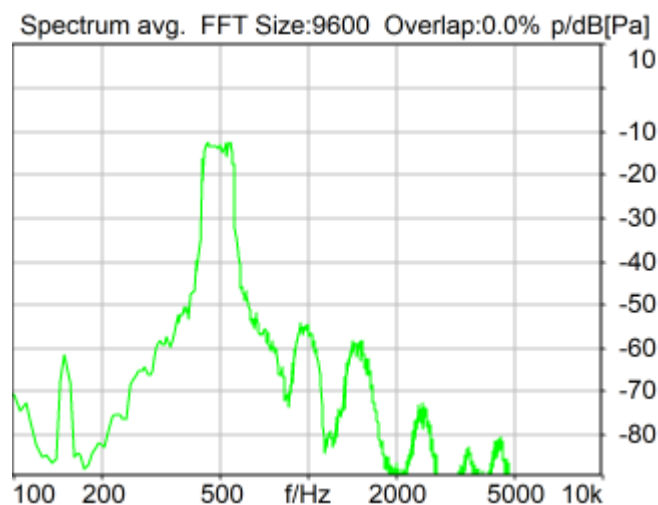
Distortion (Noise) RCV (packed): 34.01 dB (1.99%) Ok

Ok

25/07/31 22:10 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



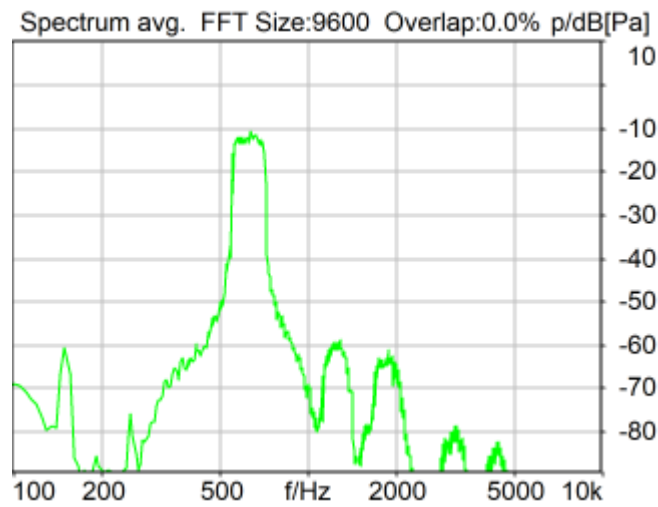
Distortion (Noise) RCV (packed): 35.76 dB (1.63%) Ok

Ok

25/07/31 22:11 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



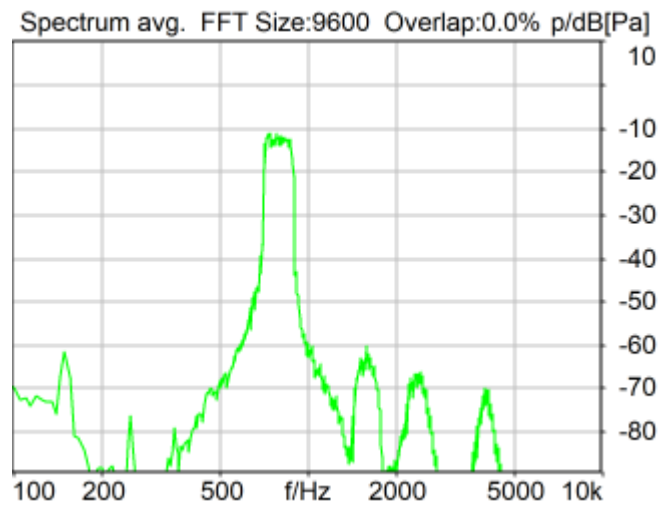
Distortion (Noise) RCV (packed): 38.64 dB (1.17%) Ok

Ok

25/07/31 22:11 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



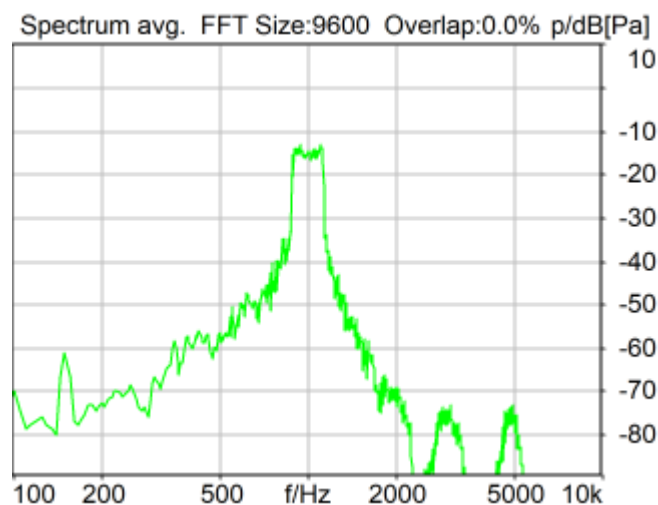
Distortion (Noise) RCV (packed): 41.15 dB (0.88%) Ok

Ok

25/07/31 22:12 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



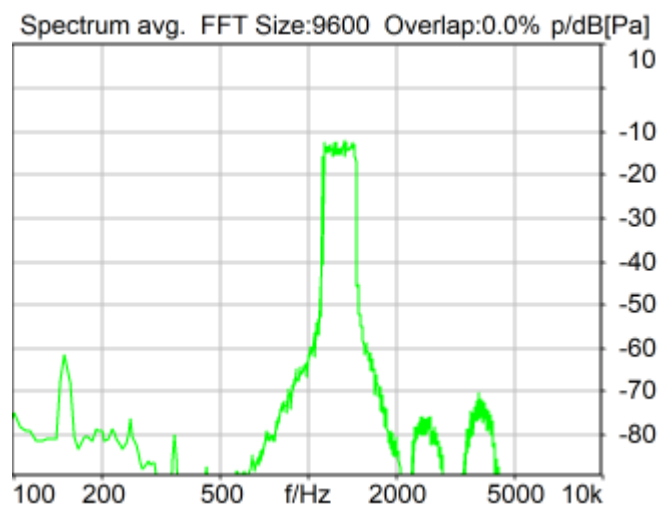
Distortion (Noise) RCV (packed): 25.85 dB (5.10%) Ok

Ok

25/07/31 22:12 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



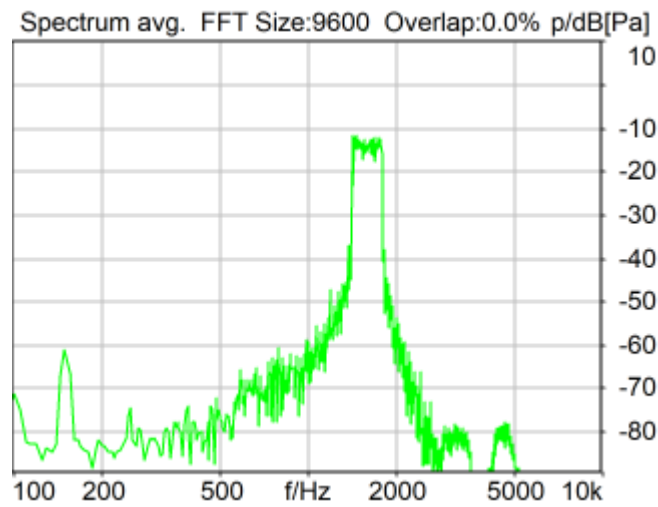
Distortion (Noise) RCV (packed): 33.40 dB (2.14%) Ok

Ok

25/07/31 22:13 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



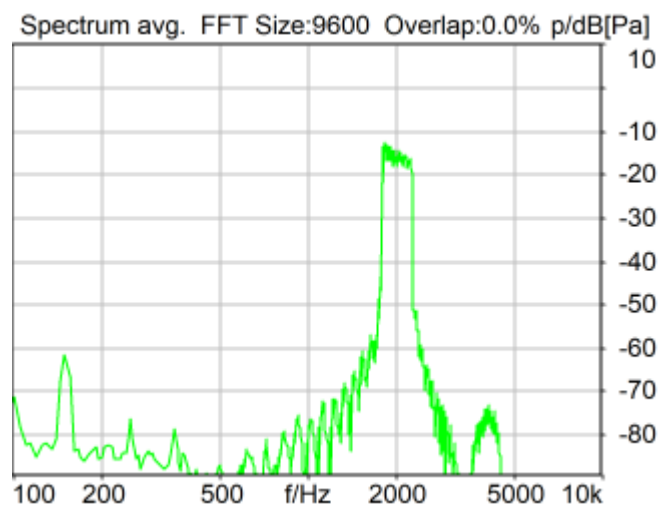
Distortion (Noise) RCV (packed): 35.21 dB (1.74%) Ok

Ok

25/07/31 22:13 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



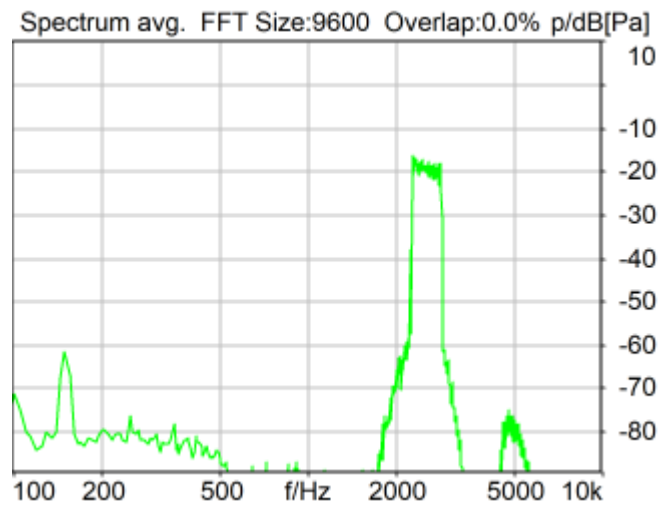
Distortion (Noise) RCV (packed): 40.43 dB (0.95%) Ok

Ok

25/07/31 22:14 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



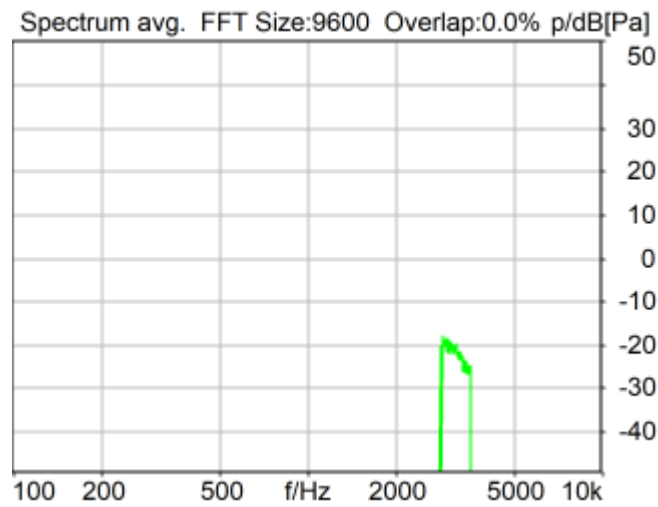
Distortion (Noise) RCV (packed): 44.34 dB (0.61%) Ok

Ok

25/07/31 22:14 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): 42.78 dB (0.73%) Ok

Ok

25/07/31 22:15 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	34.01 dB
2	500Hz	35.76 dB
3	630Hz	38.64 dB
4	800Hz	41.15 dB
5	1000Hz	25.85 dB
6	1250Hz	33.40 dB
7	1600Hz	35.21 dB
8	2000Hz	40.43 dB
9	2500Hz	44.34 dB
10	3150Hz	42.78 dB

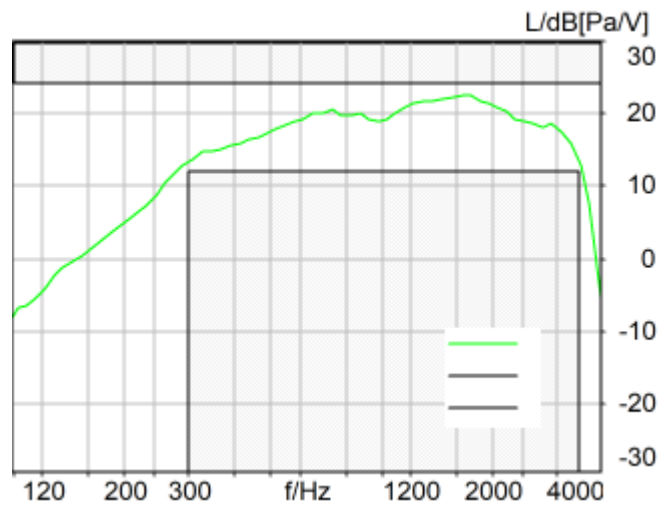
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 25.85dB at 1000Hz.

25/07/31 22:15 ACQUA

5.3 Frequency Response 8N FF HANB

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



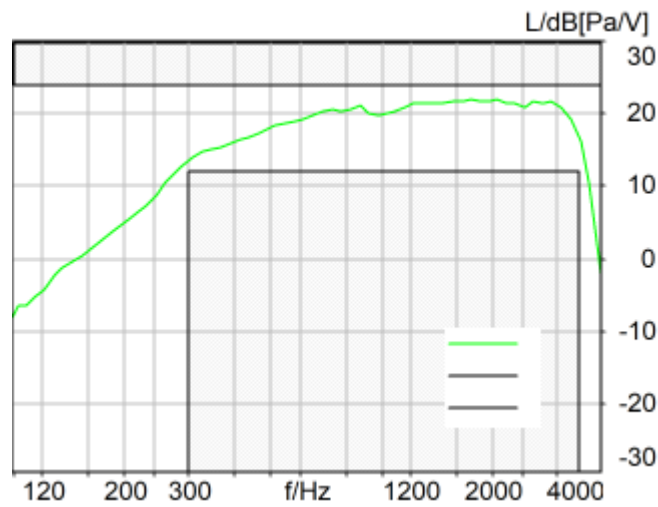
Absolute minimal distance
1.66 dB at 1747.8 Hz Ok

Ok

25/07/31 22:15 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance
1.91 dB at 1747.8 Hz Ok

Ok

25/07/31 22:15 ACQUA 5.1.200

Measurement Protocol

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

Project	561202
Report Generation Date	25/07/28 13:39
Responsible Person	AC01-KS

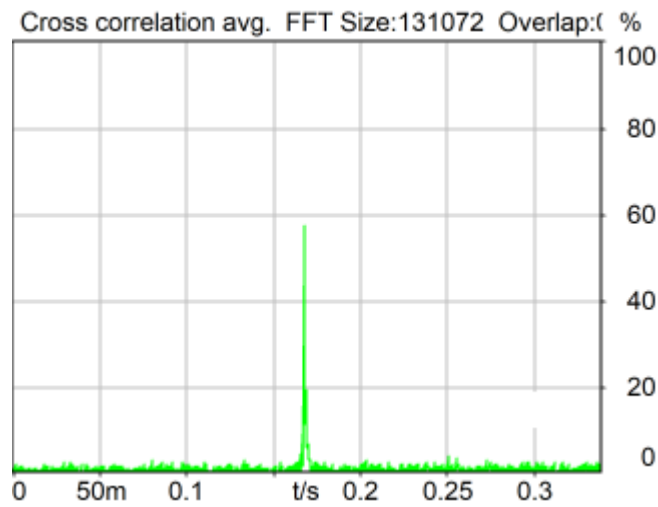
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	167.7	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.36	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	32.88	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	32.27	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	28.67	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	39.93	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	27.78	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	22.16	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	24.30	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	32.50	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	23.27	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	43.24	WLAN2.4GHz_802.11b 1Mbps_EVS NB 24. 4kbps_Ch6_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1250Hz)	22.16	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], 1647.8 Hz	1.50	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], 1747.8 Hz	1.77	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

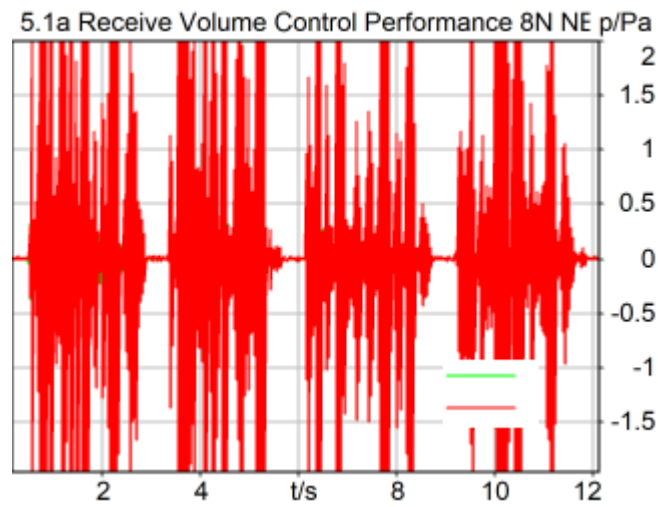


Delay (Cross): 167.7 ms

25/07/28 13:32 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



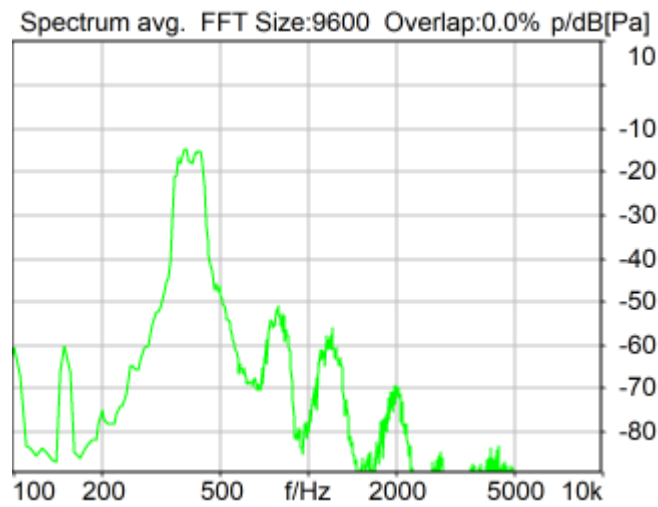
Speech Level RCV: 89.36 dB[SPL], Act.: 81.05% Ok

Ok

25/07/28 13:32 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



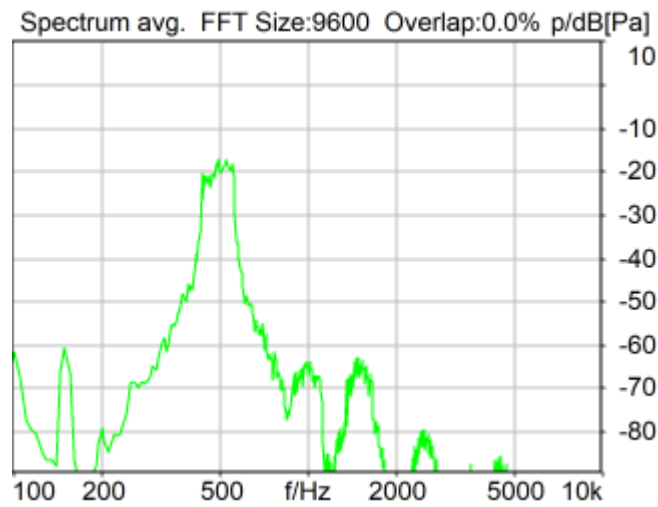
Distortion (Noise) RCV (packed): 32.88 dB (2.27%) Ok

Ok

25/07/28 13:33 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



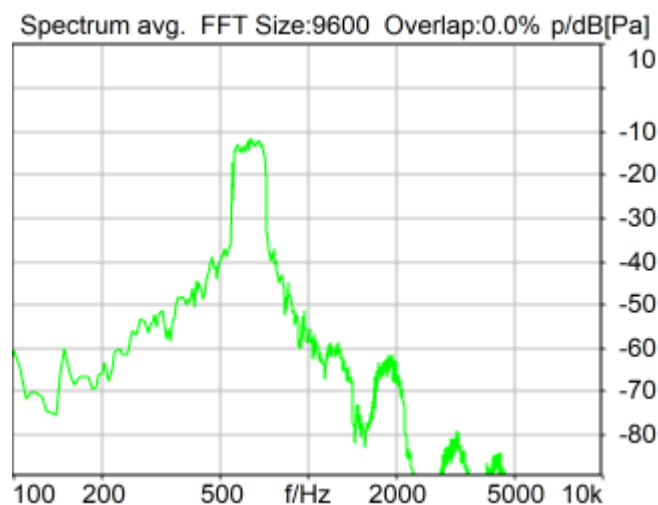
Distortion (Noise) RCV (packed): 32.27 dB (2.44%) Ok

Ok

25/07/28 13:33 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



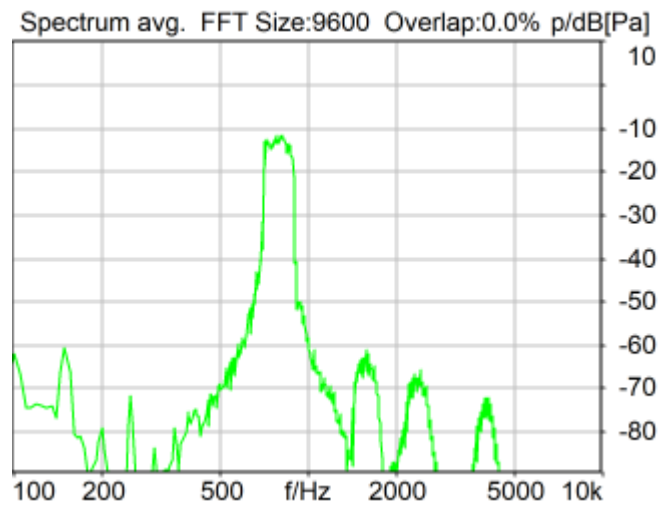
Distortion (Noise) RCV (packed): 28.67 dB (3.69%) Ok

Ok

25/07/28 13:34 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



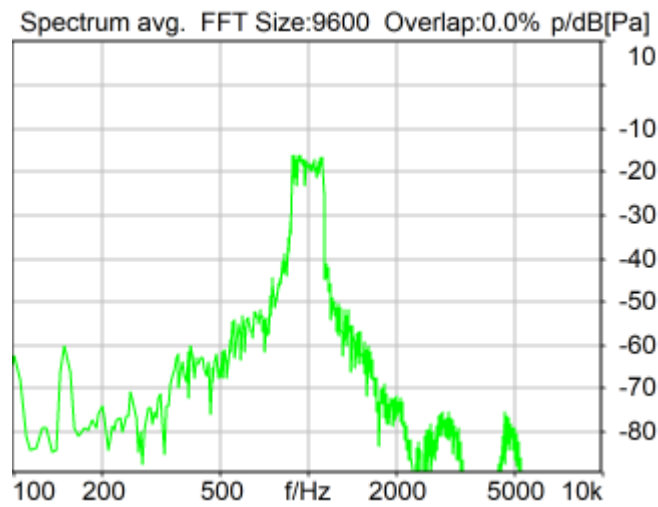
Distortion (Noise) RCV (packed): 39.93 dB (1.01%) Ok

Ok

25/07/28 13:34 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



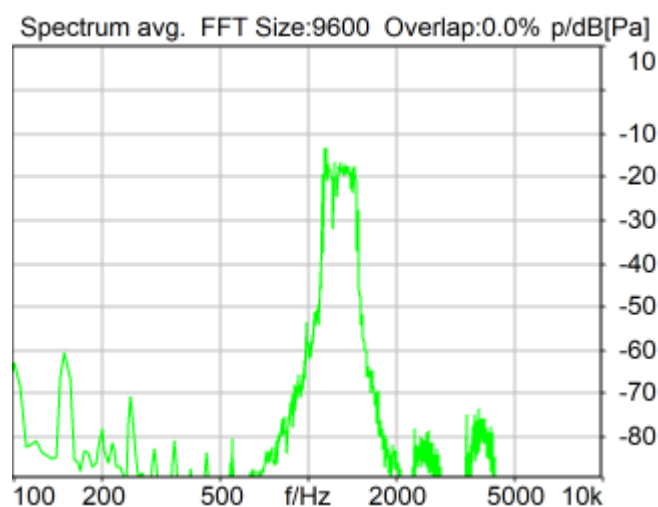
Distortion (Noise) RCV (packed): 27.78 dB (4.09%) Ok

Ok

25/07/28 13:35 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



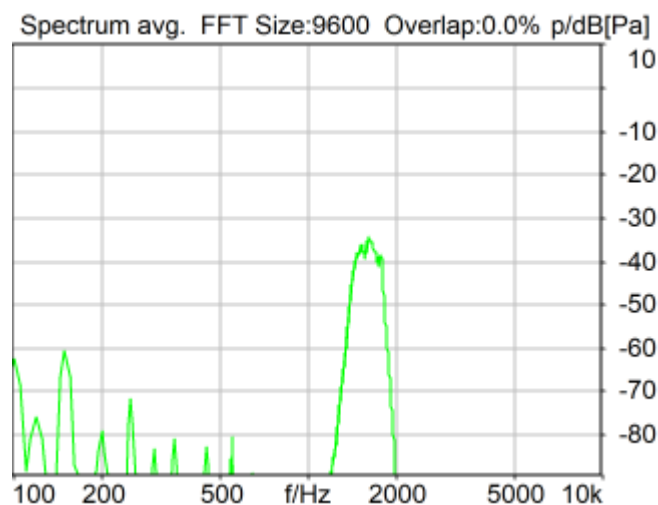
Distortion (Noise) RCV (packed): 22.16 dB (7.79%) Ok

Ok

25/07/28 13:35 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



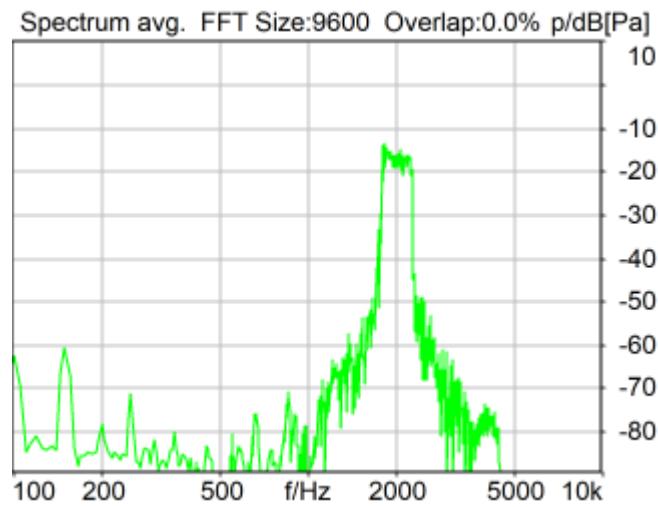
Distortion (Noise) RCV (packed): 24.30 dB (6.10%) Ok

Ok

25/07/28 13:36 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



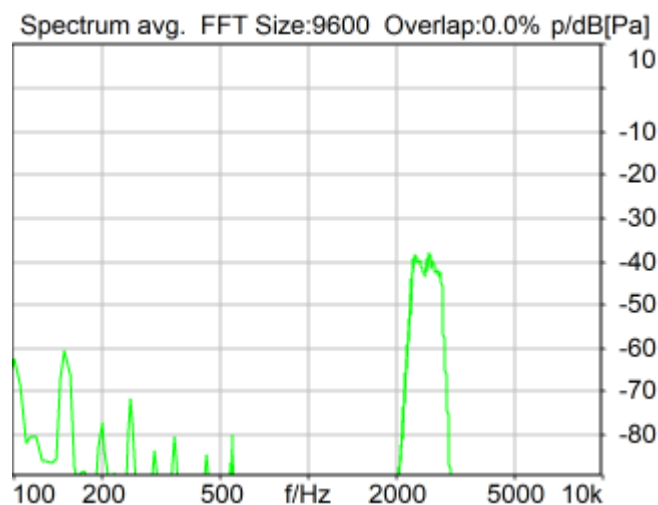
Distortion (Noise) RCV (packed): 32.50 dB (2.37%) Ok

Ok

25/07/28 13:36 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



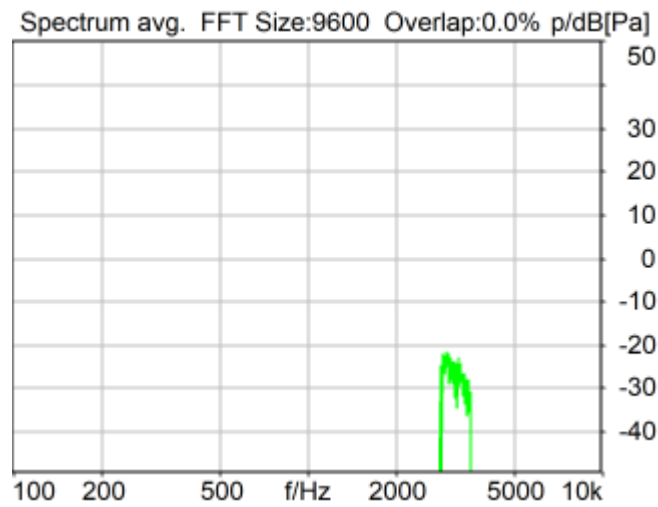
Distortion (Noise) RCV (packed): 23.27 dB (6.86%) Ok

Ok

25/07/28 13:37 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): 43.24 dB (0.69%) Ok

Ok

25/07/28 13:37 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	32.88 dB
2	500Hz	32.27 dB
3	630Hz	28.67 dB
4	800Hz	39.93 dB
5	1000Hz	27.78 dB
6	1250Hz	22.16 dB
7	1600Hz	24.30 dB
8	2000Hz	32.50 dB
9	2500Hz	23.27 dB
10	3150Hz	43.24 dB

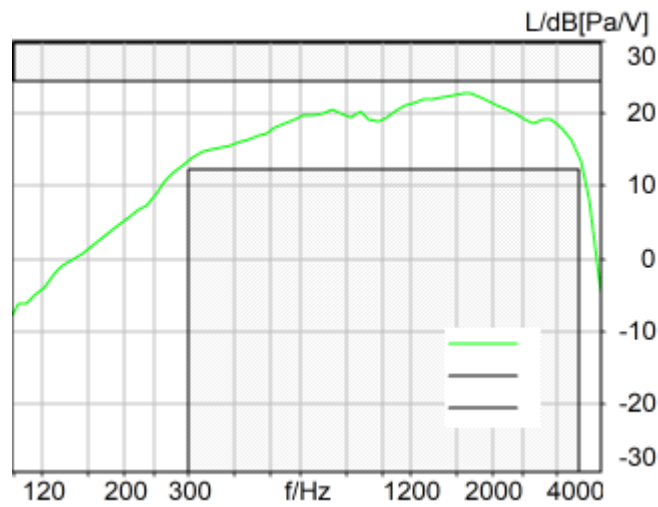
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.16dB at 1250Hz.

25/07/28 13:38 ACQUA

5.3 Frequency Response 8N FF HANB

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



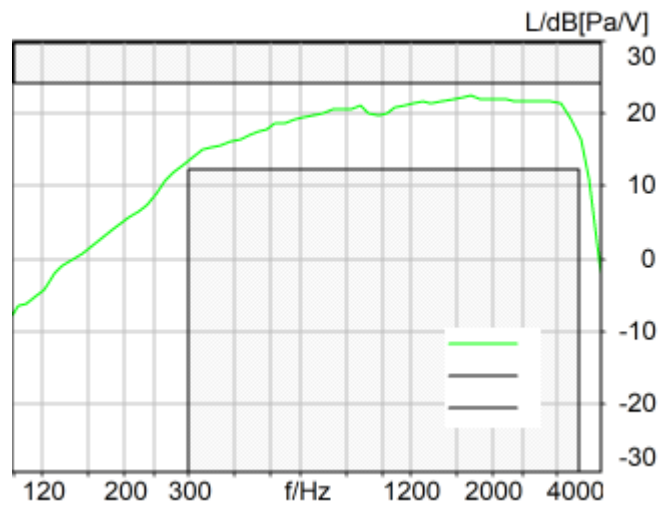
Absolute minimal distance
1.50 dB at 1647.8 Hz Ok

Ok

25/07/28 13:38 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance
1.77 dB at 1747.8 Hz Ok

Ok

25/07/28 13:38 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
--------------------	---

Project	561202
Report Generation Date	25/07/28 11:21
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	342.8	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.22	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.07	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.41	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.92	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.03	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.75	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.83	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.23	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.98	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.61	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.44	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	24.88	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.21	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.67	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.78	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
Report - Receive Distortion	Ok	Minimum SDNR [dB],	21.83	WLAN5GHz_802.11a

ACQUA Report
128kbps_Ch60_2N

Title: WLAN5GHz_802.11a 6Mbps_EVS WB

and Noise (Conversational Gain)		(occured at 800Hz)		6Mbps_EVS WB 128kbps_Ch60_2N
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.44	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	1.66	WLAN5GHz_802.11a 6Mbps_EVS WB 128kbps_Ch60_2N

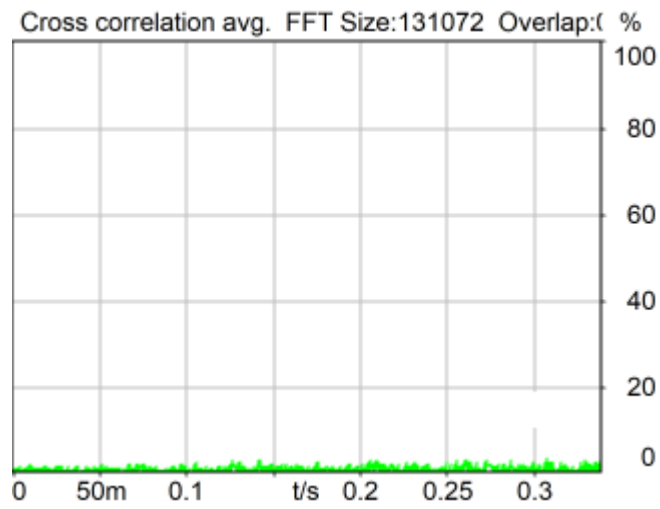
ACQUA Report
128kbps_Ch60_2N

Title: WLAN5GHz_802.11a 6Mbps_EVS WB

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

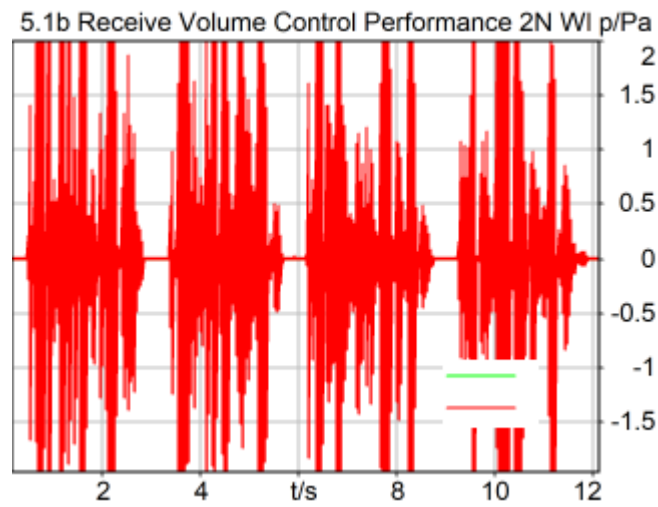


Delay (Cross): 342.8 ms

25/07/28 11:07 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

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



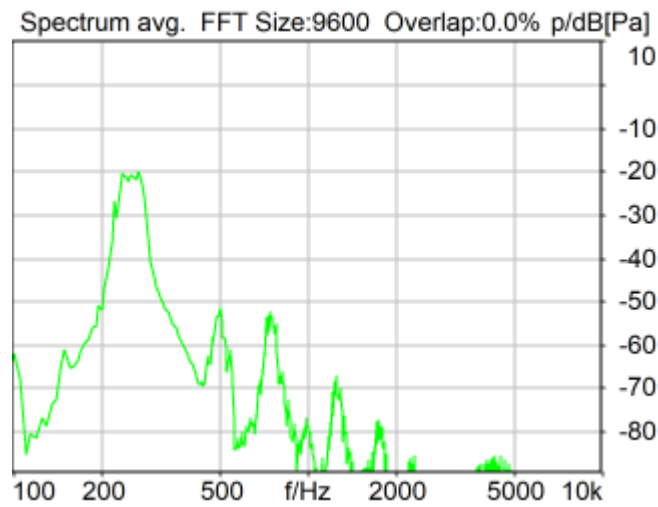
Speech Level RCV: 87.22 dB[SPL], Act.: 83.58% Ok

Ok

25/07/28 11:08 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



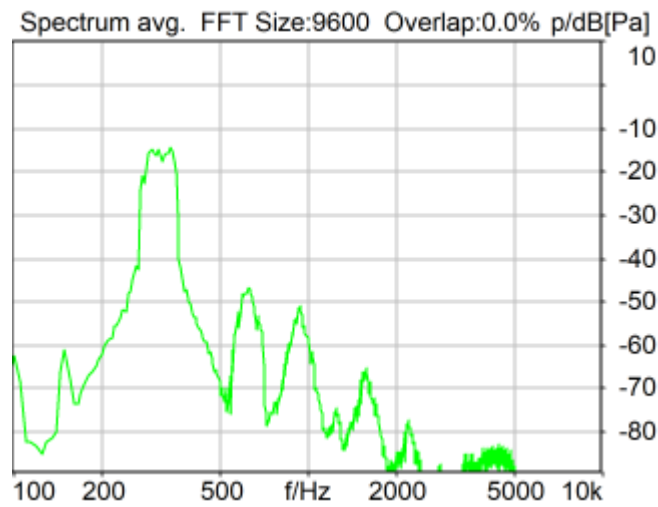
Distortion (Noise) RCV (packed): 30.07 dB (3.14%) Ok

Ok

25/07/28 11:08 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



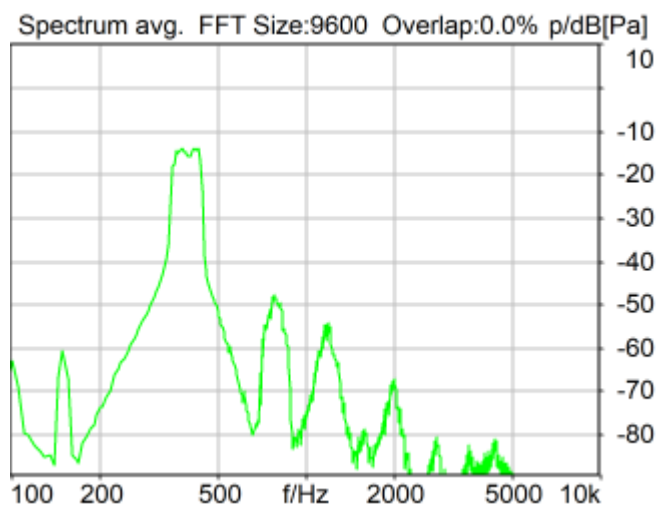
Distortion (Noise) RCV (packed): 31.41 dB (2.69%) Ok

Ok

25/07/28 11:09 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



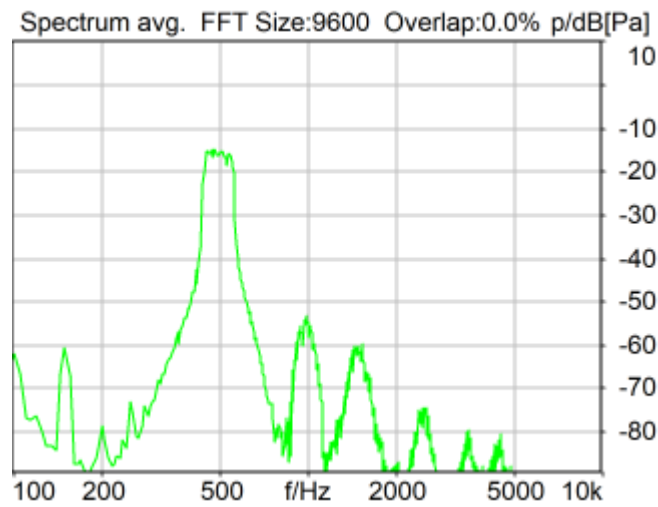
Distortion (Noise) RCV (packed): 32.92 dB (2.26%) Ok

Ok

25/07/28 11:10 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



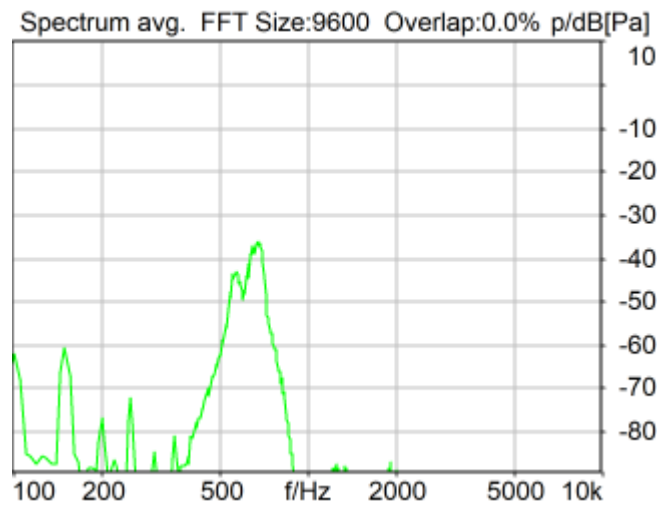
Distortion (Noise) RCV (packed): 35.03 dB (1.77%) Ok

Ok

25/07/28 11:13 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



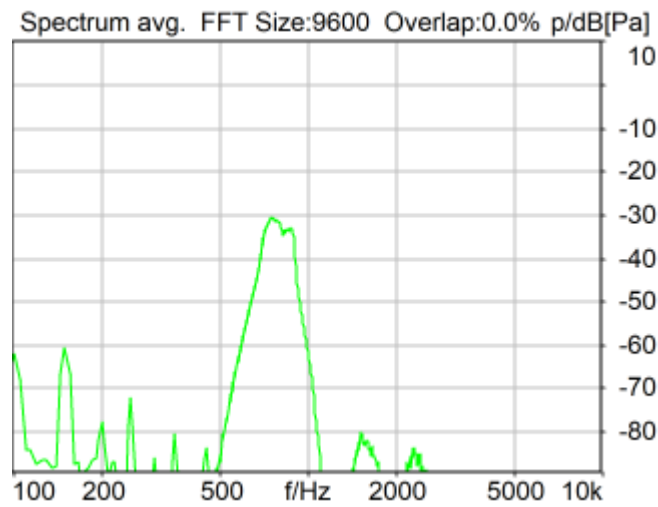
Distortion (Noise) RCV (packed): 24.75 dB (5.79%) Ok

Ok

25/07/28 11:16 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



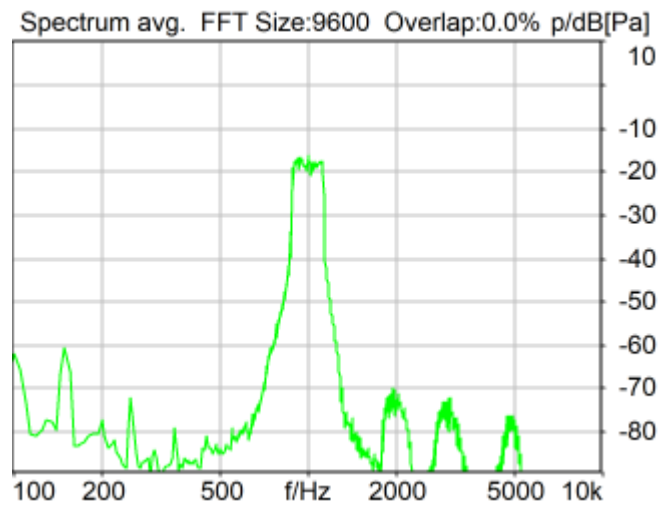
Distortion (Noise) RCV (packed): 21.83 dB (8.10%) Ok

Ok

25/07/28 11:16 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



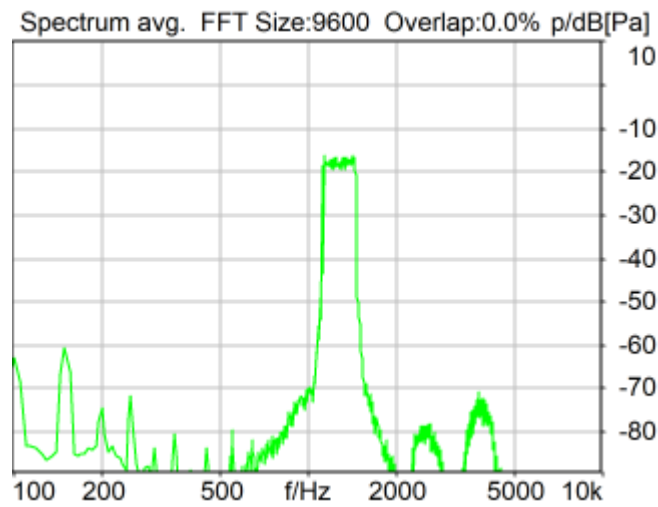
Distortion (Noise) RCV (packed): 34.23 dB (1.94%) Ok

Ok

25/07/28 11:17 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



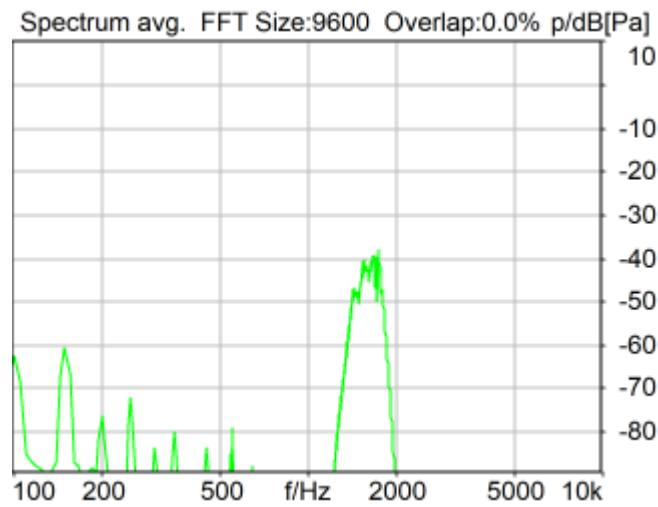
Distortion (Noise) RCV (packed): 32.98 dB (2.24%) Ok

Ok

25/07/28 11:17 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



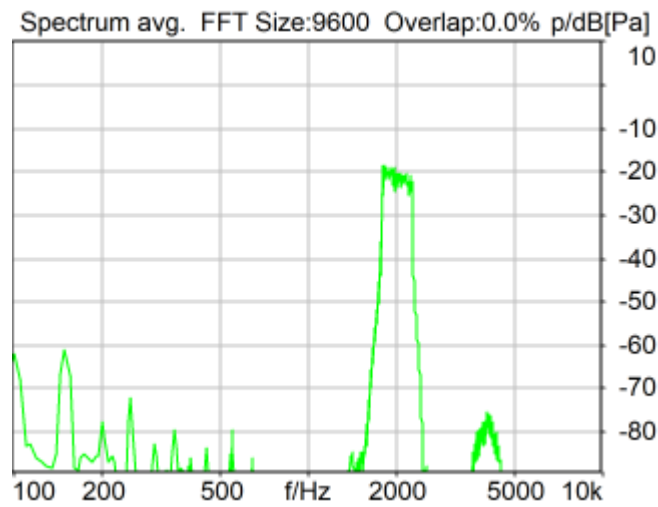
Distortion (Noise) RCV (packed): 22.61 dB (7.40%) Ok

Ok

25/07/28 11:18 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



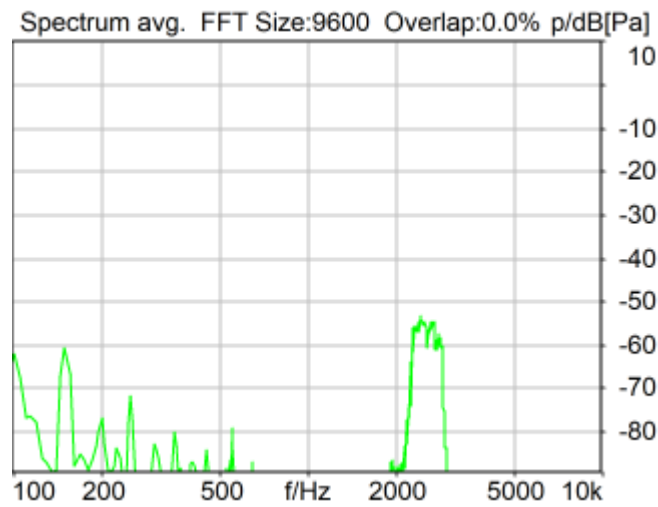
Distortion (Noise) RCV (packed): 34.44 dB (1.90%) Ok

Ok

25/07/28 11:18 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



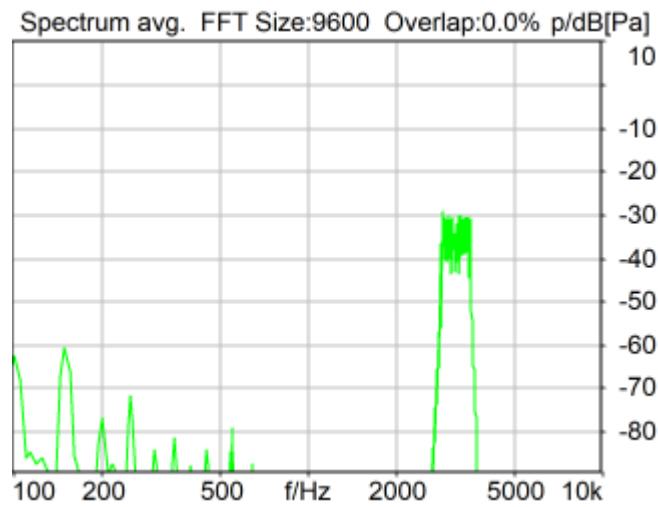
Distortion (Noise) RCV (packed): 24.88 dB (5.70%) Ok

Ok

25/07/28 11:19 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



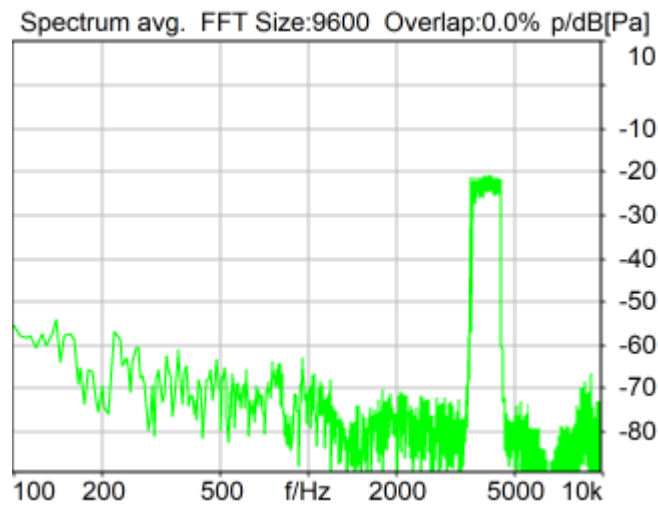
Distortion (Noise) RCV (packed): 35.21 dB (1.74%) Ok

Ok

25/07/28 11:19 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



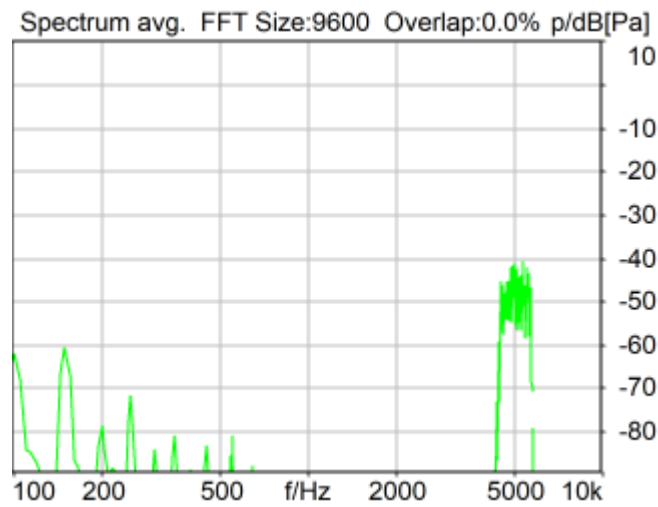
Distortion (Noise) RCV (packed): 42.67 dB (0.74%) Ok

Ok

25/07/28 11:20 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): 29.78 dB (3.24%) Ok

Ok

25/07/28 11:20 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	30.07 dB
2	315Hz	31.41 dB
3	400Hz	32.92 dB
4	500Hz	35.03 dB
5	630Hz	24.75 dB
6	800Hz	21.83 dB
7	1000Hz	34.23 dB
8	1250Hz	32.98 dB
9	1600Hz	22.61 dB
10	2000Hz	34.44 dB
11	2500Hz	24.88 dB
12	3150Hz	35.21 dB
13	4000Hz	42.67 dB
14	5000Hz	29.78 dB

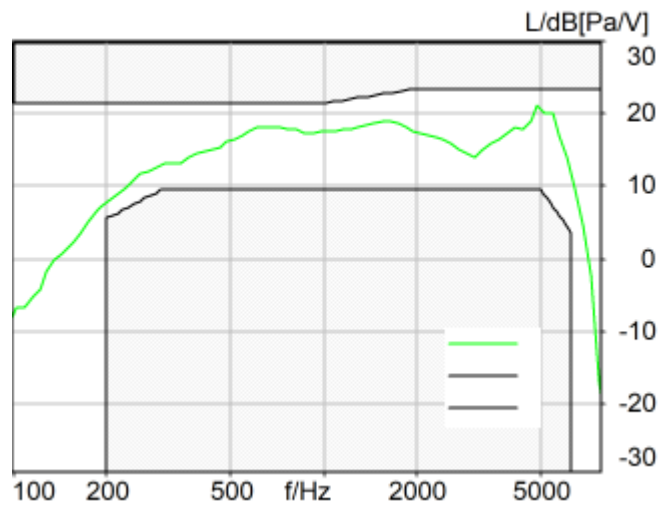
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.83dB at 800Hz.

25/07/28 11:20 ACQUA

5.3 Frequency Response 2N FF

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



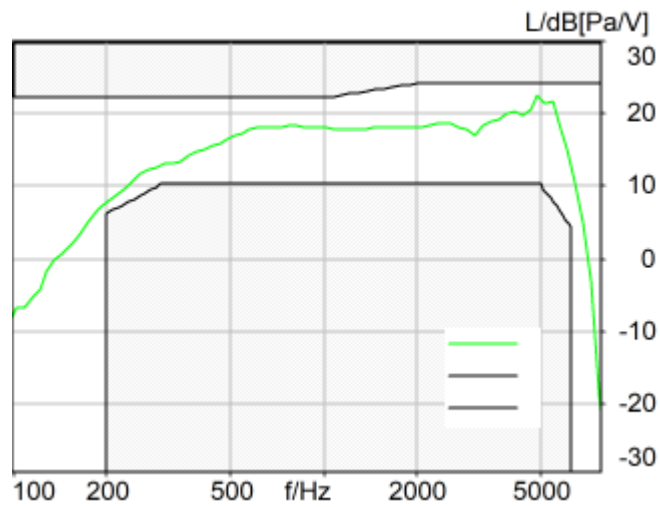
Absolute minimal distance
2.44 dB at 4870.0 Hz Ok

Ok

25/07/28 11:20 ACQUA 5.1.200

5.3 Frequency Response 2N DF

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



Absolute minimal distance
1.66 dB at 4870.0 Hz Ok

Ok

25/07/28 11:21 ACQUA 5.1.200

Measurement Protocol

Measurement Object	GSM850_GSM Voice_AMR NB 4.75kbps_Ch189_2N
--------------------	---

Project	561202
Report Generation Date	25/08/03 22:45
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	188.1	GSM850_GSM Voice_AMR NB 4. 75kbps_Ch189_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	84.04	GSM850_GSM Voice_AMR NB 4. 75kbps_Ch189_2N

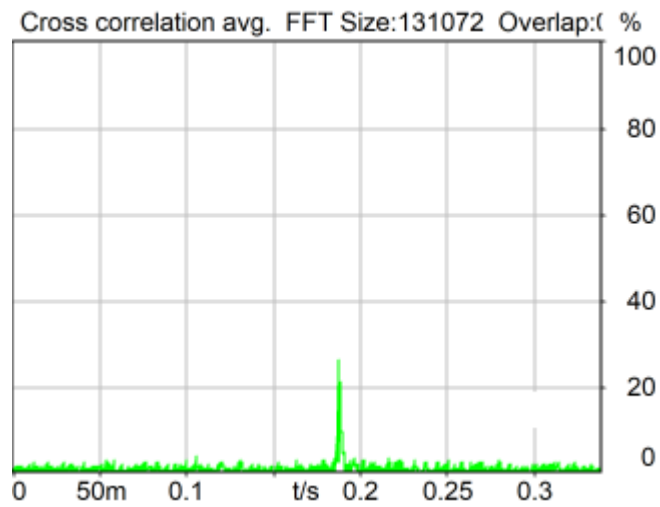
ACQUA Report
75kbps_Ch189_2N

Title: GSM850_GSM Voice_AMR NB 4.

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

Overall Receive Delay NB

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

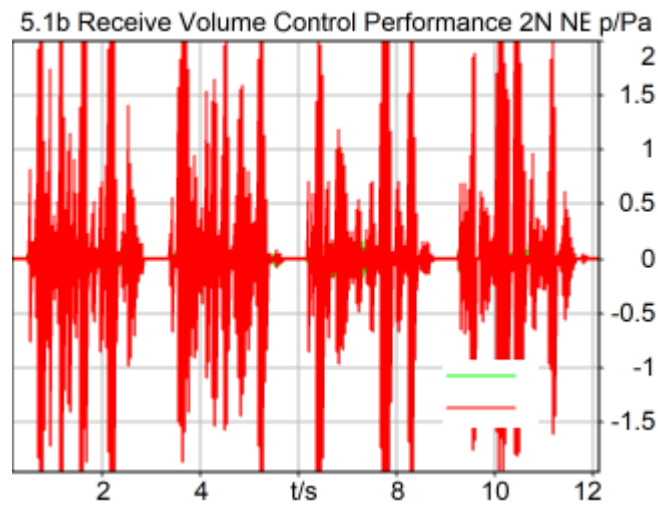


Delay (Cross): 188.1 ms

25/08/03 22:45 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 84.04 dB[SPL], Act.: 79.07% Ok

Ok

25/08/03 22:45 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WCDMA IV_Voice_AMR NB 4.75kbps_Ch1413_2N
--------------------	--

Project	561202
Report Generation Date	25/08/04 7:34
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	210.9	WCDMA IV_Voice_AMR NB 4. 75kbps_Ch1413_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	83.82	WCDMA IV_Voice_AMR NB 4. 75kbps_Ch1413_2N

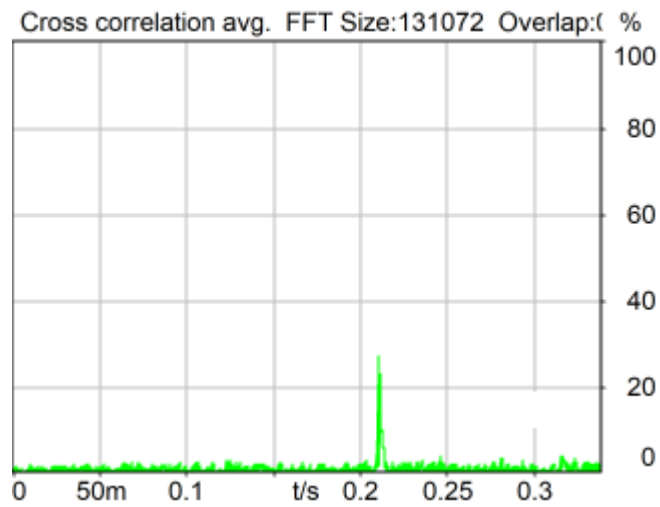
ACQUA Report
75kbps_Ch1413_2N

Title: WCDMA IV_Voice_AMR NB 4.

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

Overall Receive Delay NB

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

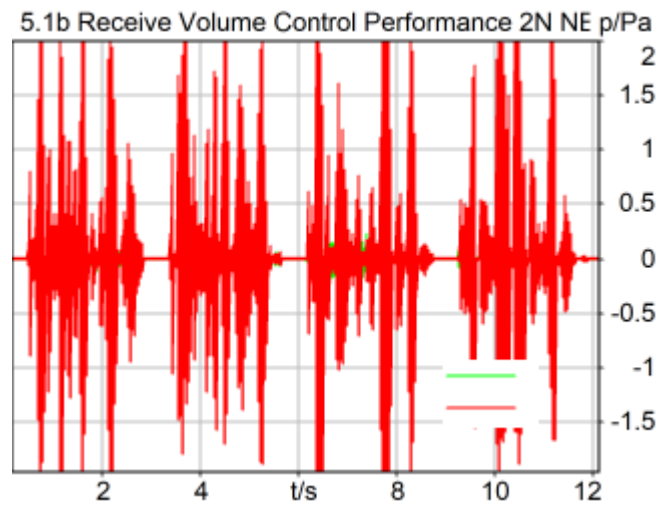


Delay (Cross): 210.9 ms

25/08/04 7:33 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 83.82 dB[SPL], Act.: 78.99% Ok

Ok

25/08/04 7:33 ACQUA 5.1.200

Measurement Protocol

Measurement Object	LTE Band 71_20M_QPSK_1RB_0Offset_AMR NB 4.75kbps_Ch133297_2N
--------------------	--

Project	561202
Report Generation Date	25/08/01 5:08
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	293.4	LTE Band 71_20M_QPSK_1RB_0Offset_AMR NB 4.75kbps_Ch133297_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	83.82	LTE Band 71_20M_QPSK_1RB_0Offset_AMR NB 4.75kbps_Ch133297_2N

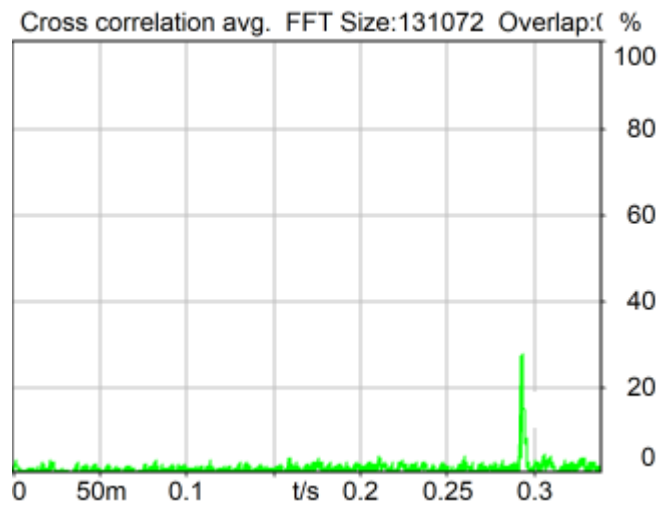
ACQUA Report
71_20M_QPSK_1RB_0Offset_AMR NB 4.75kbps_Ch133297_2N

Title: LTE Band

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

Overall Receive Delay NB

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

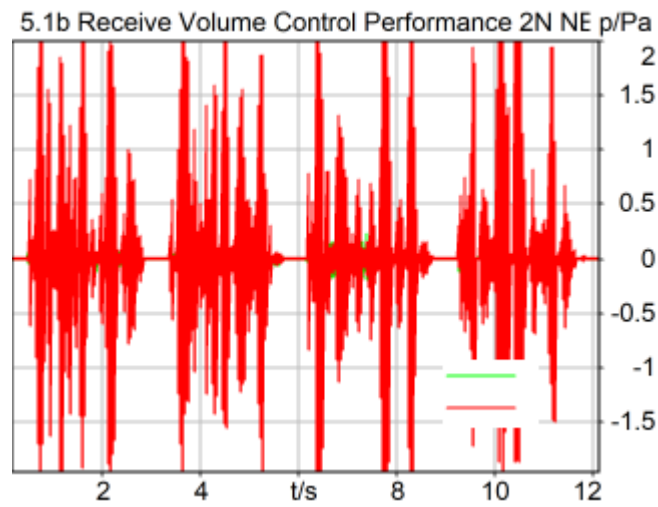


Delay (Cross): 293.4 ms

25/08/01 5:07 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 83.82 dB[SPL], Act.: 79.06% Ok

Ok

25/08/01 5:08 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n7_50M_BPSK_1RB_1Offset_AMR NB 4.75kbps_Ch507000_2N
--------------------	---

Project	561202
Report Generation Date	25/08/02 4:39
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	282.9	FR1 n7_50M_BPSK_1RB_1Offset_AMR NB 4.75kbps_Ch507000_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	83.75	FR1 n7_50M_BPSK_1RB_1Offset_AMR NB 4.75kbps_Ch507000_2N

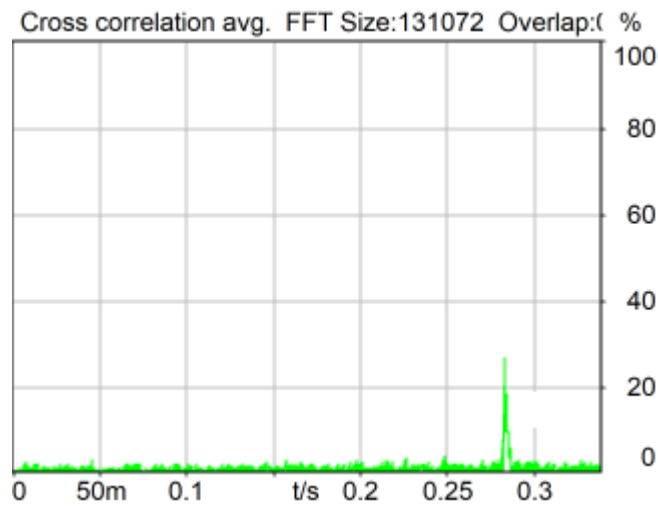
ACQUA Report
4.75kbps_Ch507000_2N

Title: FR1 n7_50M_BPSK_1RB_1Offset_AMR NB

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

Overall Receive Delay NB

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

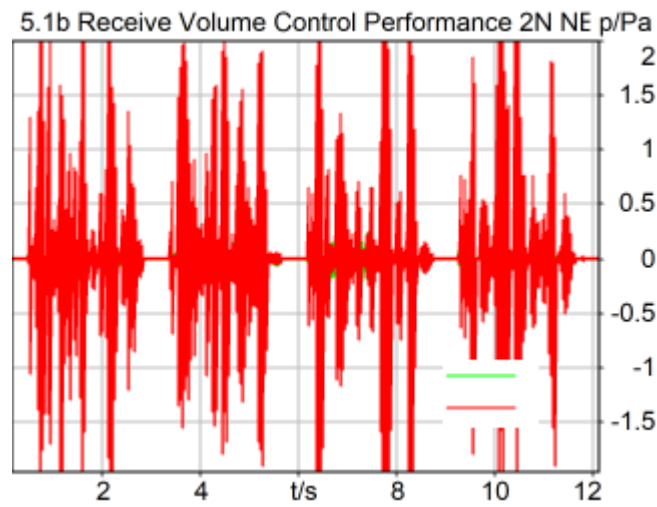


Delay (Cross): 282.9 ms

25/08/02 4:39 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 83.75 dB[SPL], Act.: 79.56% Ok

Ok

25/08/02 4:39 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_2N
--------------------	---

Project	561202
Report Generation Date	25/08/04 2:59
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	149.4	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_2N
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	83.93	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_2N

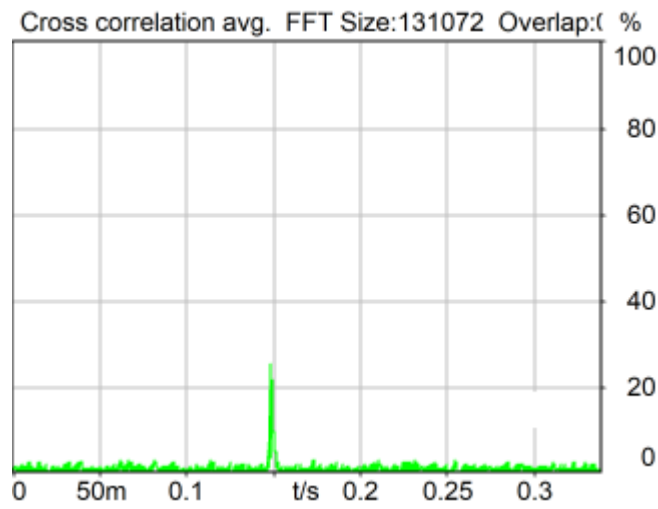
ACQUA Report
75kbps_Ch157_2N

Title: WLAN5GHz_802.11a 6Mbps_AMR NB 4.

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

Overall Receive Delay NB

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

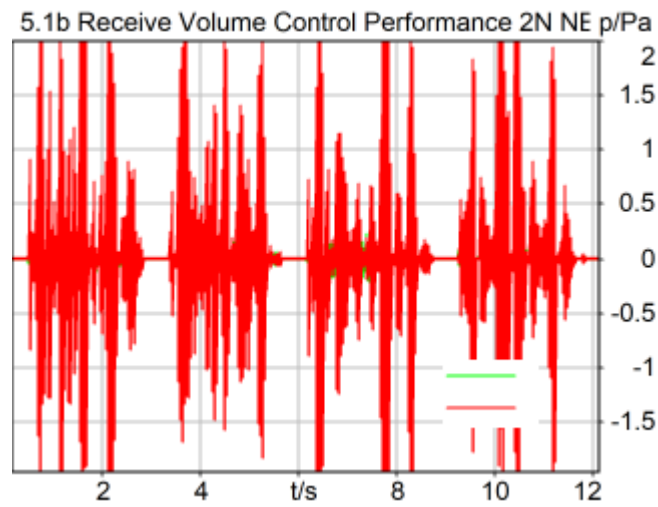


Delay (Cross): 149.4 ms

25/08/04 2:58 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 83.93 dB[SPL], Act.: 79.76% Ok

Ok

25/08/04 2:58 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_8N
--------------------	---

Project	561202
Report Generation Date	25/08/04 3:01
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	149.3	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	87.61	WLAN5GHz_802.11a 6Mbps_AMR NB 4.75kbps_Ch157_8N

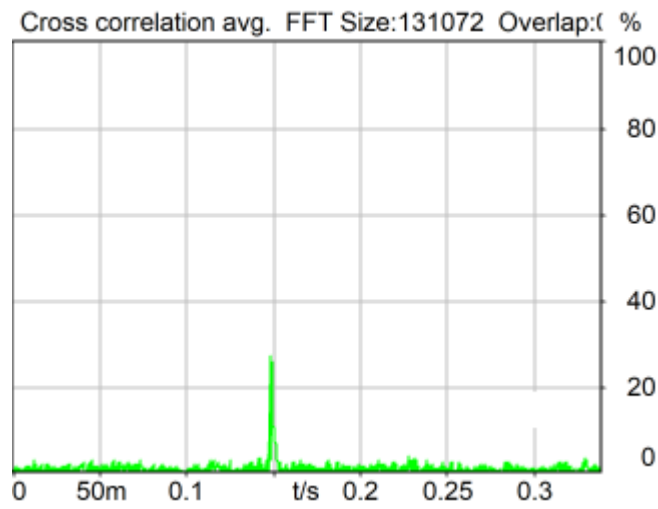
ACQUA Report
75kbps_Ch157_8N

Title: WLAN5GHz_802.11a 6Mbps_AMR NB 4.

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

Overall Receive Delay NB

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

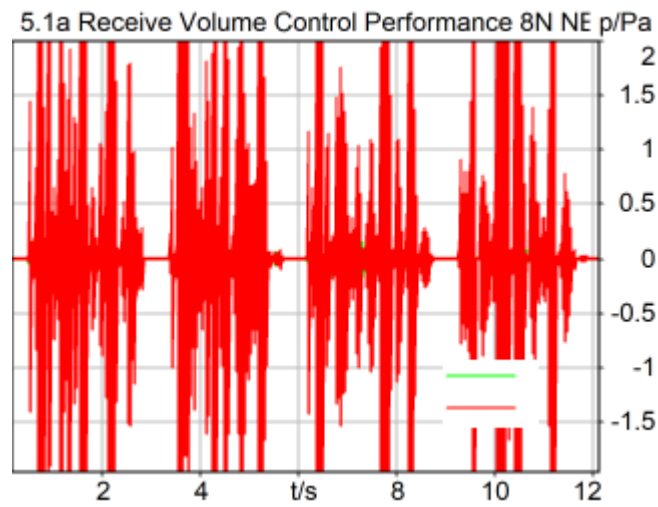


Delay (Cross): 149.3 ms

25/08/04 3:00 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



Speech Level RCV: 87.61 dB[SPL], Act.: 79.96% Ok

Ok

25/08/04 3:01 ACQUA 5.1.200