
Measurement Protocol

Measurement Object	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
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Project	591602
Report Generation Date	25/10/28 20:11
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	289.6	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.46	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.28	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.01	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.22	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.24	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	50.11	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	51.95	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.66	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.19	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	55.27	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.51	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	51.26	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.32	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	58.65	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	57.69	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
Report - Receive Distortion	Ok	Minimum SDNR [dB],	31.28	FR1 n41_100M_

ACQUA Report
WB 128kbps_Ch518598_2N

Title: FR1 n41_100M_QPSK_1RB_1Offset_EVS

and Noise (Conversational Gain)		(occured at 250Hz)		QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	2.43	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 4119.5 Hz	1.22	FR1 n41_100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N

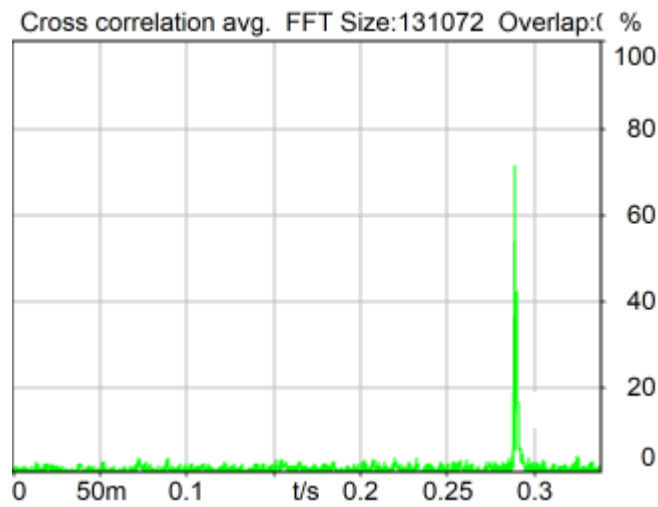
ACQUA Report
WB 128kbps_Ch518598_2N

Title: FR1 n41_100M_QPSK_1RB_1Offset_EVS

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

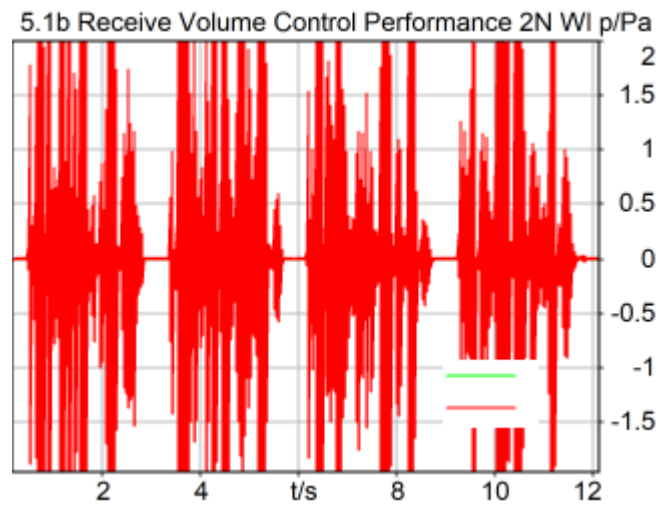


Delay (Cross): 289.6 ms

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5.1b Receive Volume Control Performance 2N WB

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



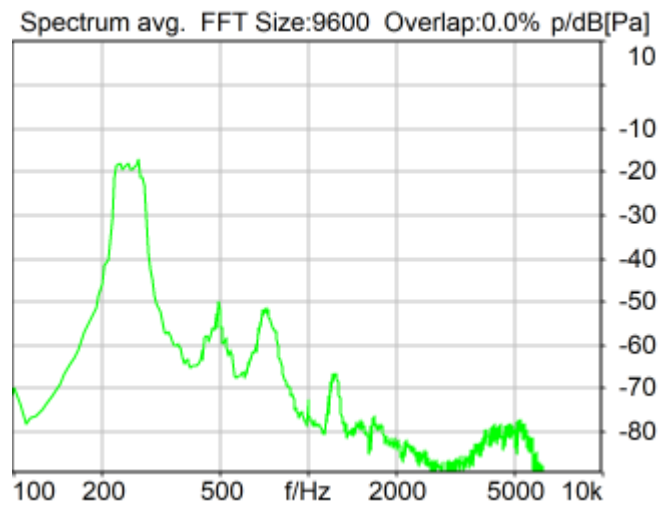
Speech Level RCV: 88.46 dB[SPL], Act.: 82.36% Ok

Ok

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5.2 RCV Distortion and Noise - 250 Hz WB

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



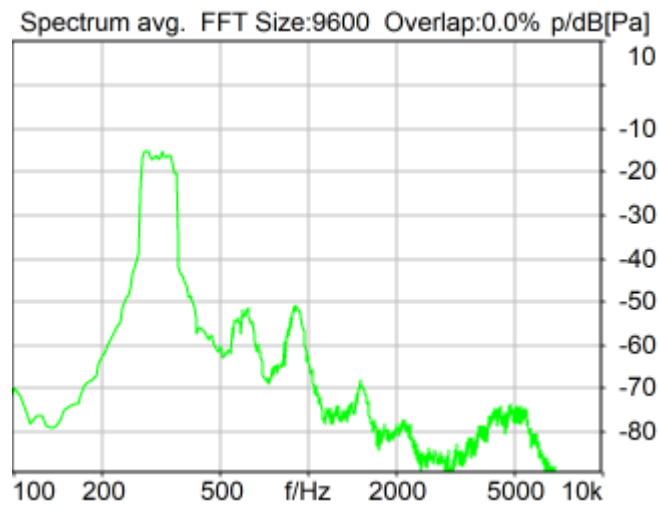
Distortion (Noise) RCV (packed): 31.28 dB (2.73%) Ok

Ok

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5.2 RCV Distortion and Noise - 315 Hz WB

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



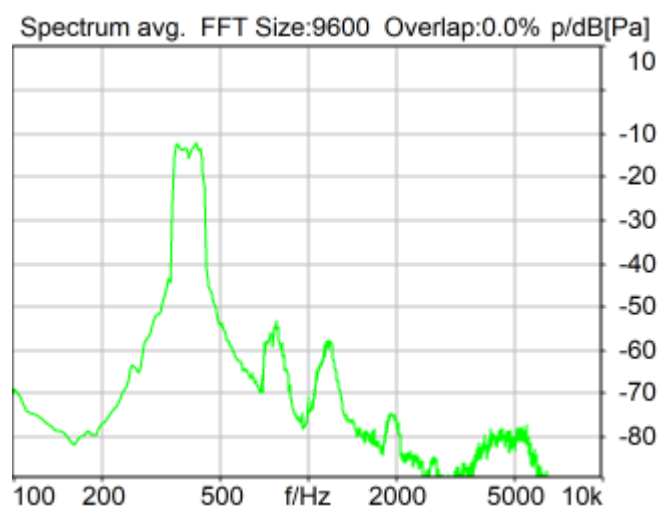
Distortion (Noise) RCV (packed): 32.01 dB (2.51%) Ok

Ok

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5.2 RCV Distortion and Noise - 400 Hz WB

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



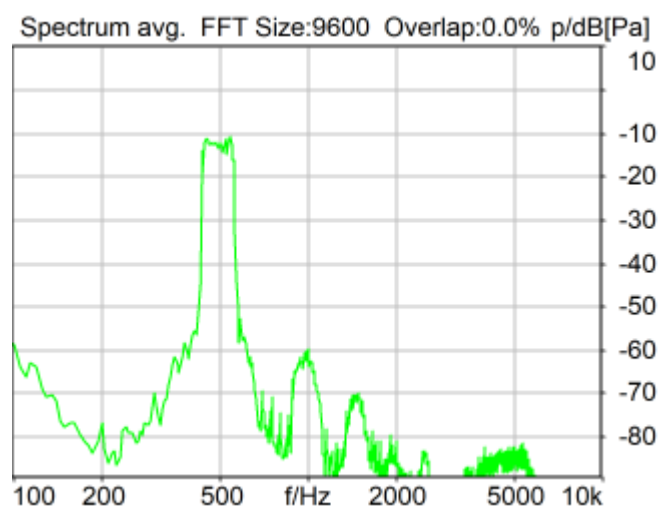
Distortion (Noise) RCV (packed): 38.22 dB (1.23%) Ok

Ok

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5.2 RCV Distortion and Noise - 500 Hz WB

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



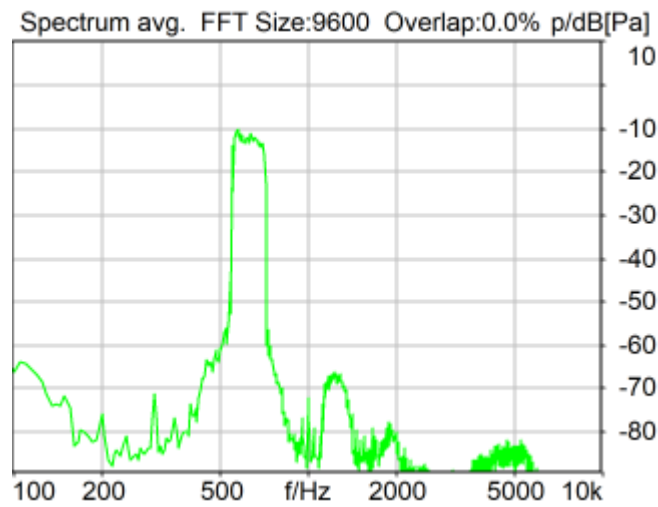
Distortion (Noise) RCV (packed): 46.24 dB (0.49%) Ok

Ok

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5.2 RCV Distortion and Noise - 630 Hz WB

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



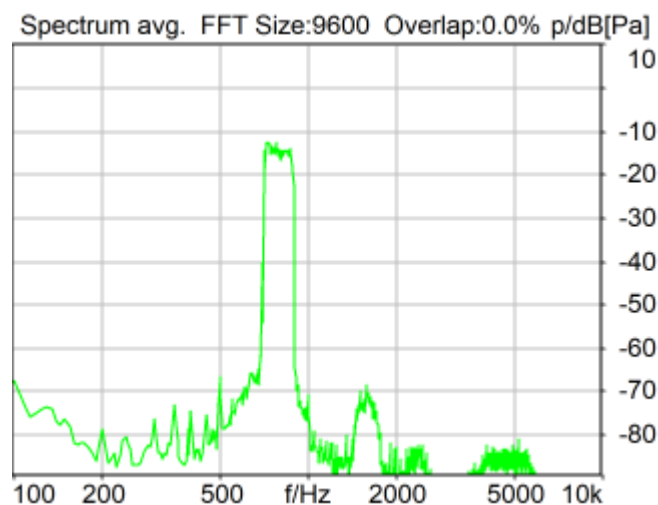
Distortion (Noise) RCV (packed): 50.11 dB (0.31%) Ok

Ok

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5.2 RCV Distortion and Noise - 800 Hz WB

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



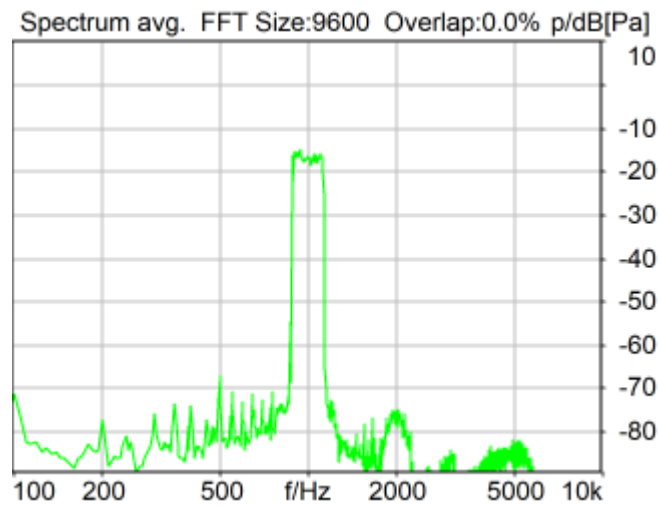
Distortion (Noise) RCV (packed): 51.95 dB (0.25%) Ok

Ok

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5.2 RCV Distortion and Noise - 1000 Hz WB

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



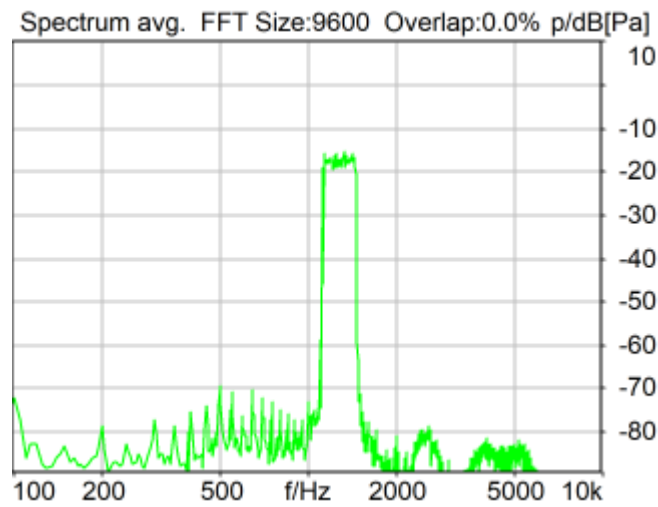
Distortion (Noise) RCV (packed): 52.66 dB (0.23%) Ok

Ok

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5.2 RCV Distortion and Noise - 1250 Hz WB

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



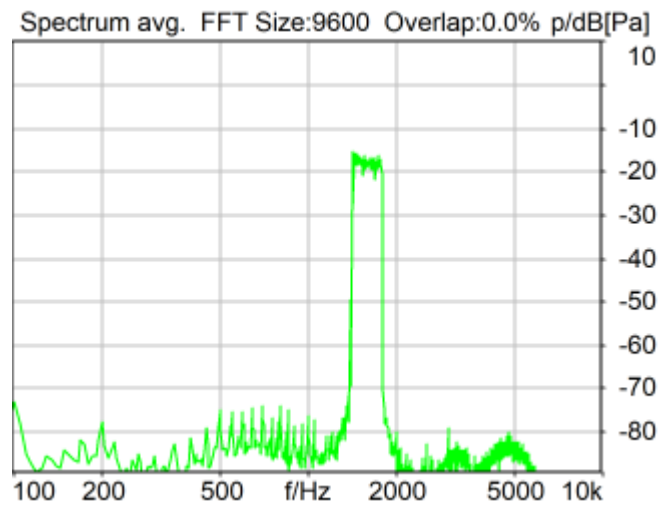
Distortion (Noise) RCV (packed): 34.19 dB (1.95%) Ok

Ok

25/10/28 20:06 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



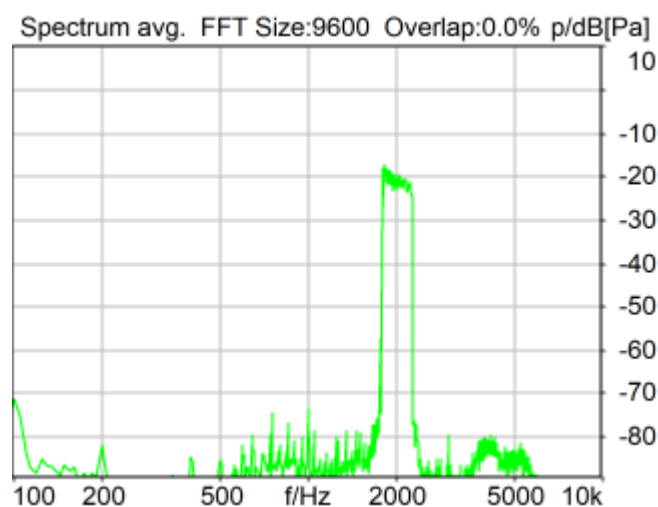
Distortion (Noise) RCV (packed): 55.27 dB (0.17%) Ok

Ok

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5.2 RCV Distortion and Noise - 2000 Hz WB

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



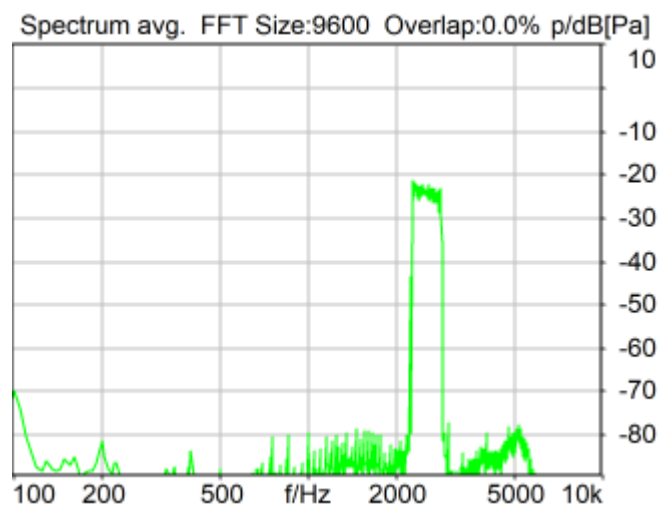
Distortion (Noise) RCV (packed): 53.51 dB (0.21%) Ok

Ok

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5.2 RCV Distortion and Noise - 2500 Hz WB

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



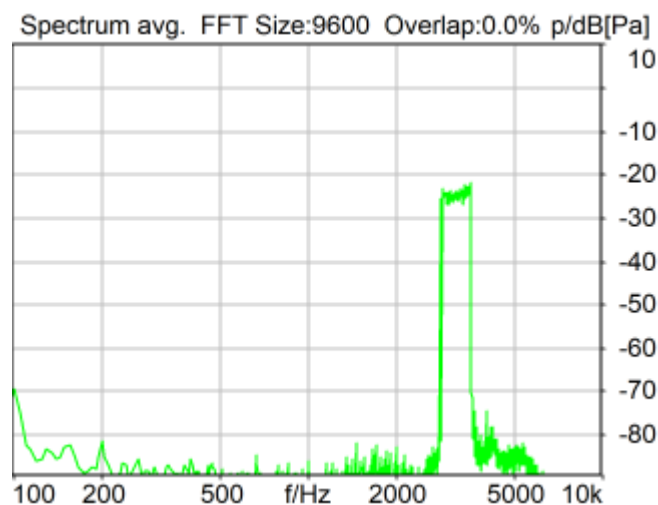
Distortion (Noise) RCV (packed): 51.26 dB (0.27%) Ok

Ok

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5.2 RCV Distortion and Noise - 3150 Hz WB

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



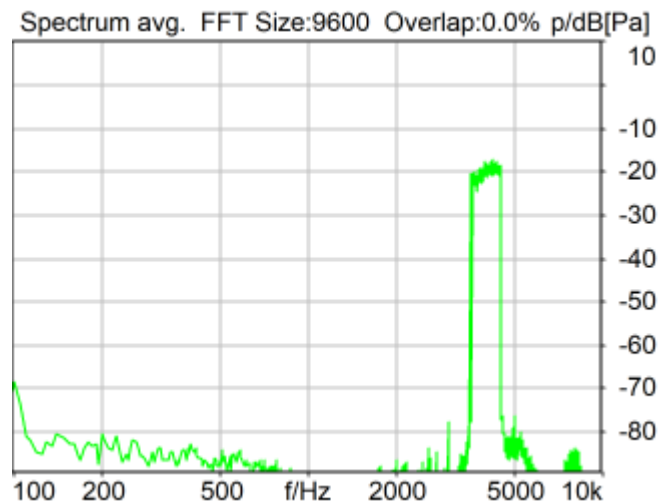
Distortion (Noise) RCV (packed): 52.32 dB (0.24%) Ok

Ok

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5.2 RCV Distortion and Noise - 4000 Hz WB

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



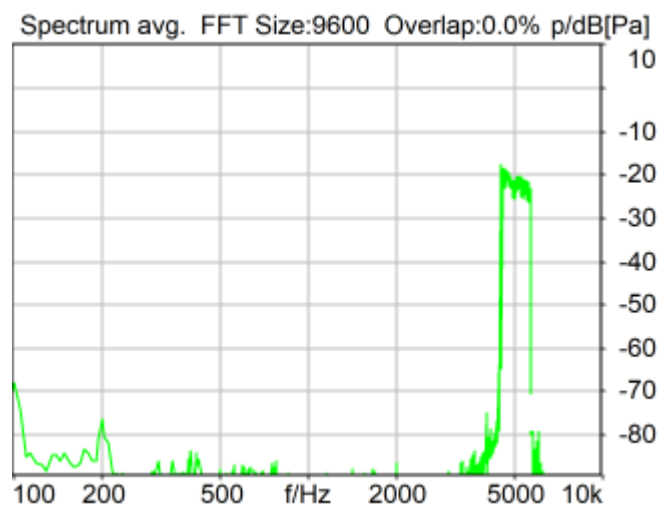
Distortion (Noise) RCV (packed): 58.65 dB (0.12%) Ok

Ok

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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): 57.69 dB (0.13%) Ok

Ok

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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	31.28 dB
2	315Hz	32.01 dB
3	400Hz	38.22 dB
4	500Hz	46.24 dB
5	630Hz	50.11 dB
6	800Hz	51.95 dB
7	1000Hz	52.66 dB
8	1250Hz	34.19 dB
9	1600Hz	55.27 dB
10	2000Hz	53.51 dB
11	2500Hz	51.26 dB
12	3150Hz	52.32 dB
13	4000Hz	58.65 dB
14	5000Hz	57.69 dB

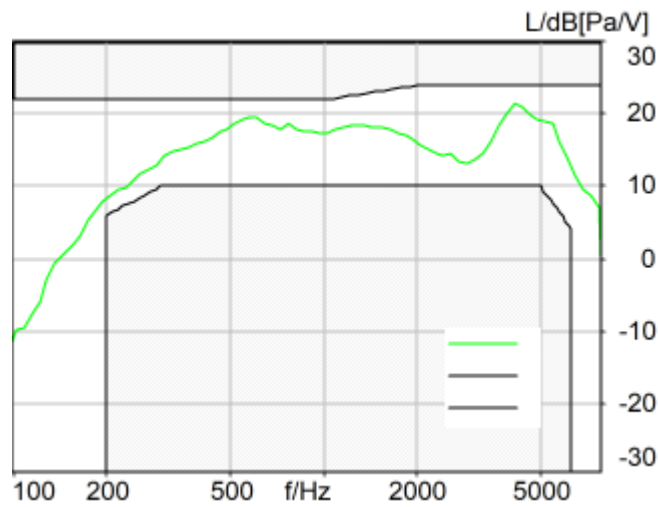
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 31.28dB at 250Hz.

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5.3 Frequency Response 2N FF

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



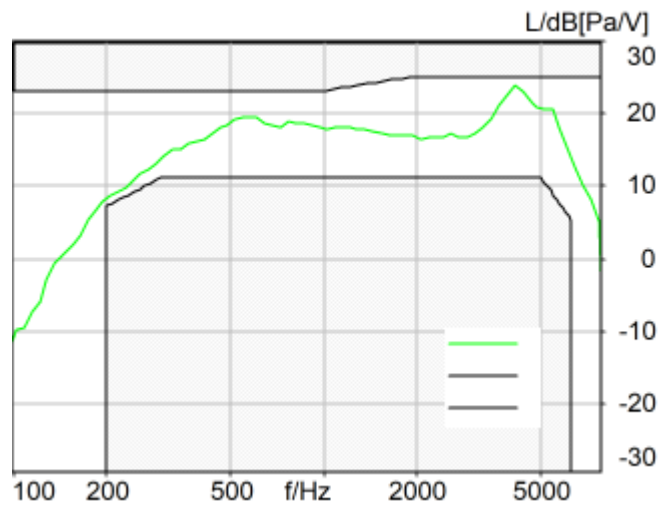
Absolute minimal distance
2.43 dB at 611.7 Hz Ok

Ok

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5.3 Frequency Response 2N DF

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



Absolute minimal distance
1.22 dB at 4119.5 Hz Ok

Ok

25/10/28 20:10 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
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Project	591602
Report Generation Date	25/11/19 11:37
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	143.1	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.67	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.84	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.09	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.12	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.64	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.63	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.57	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.93	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.96	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	48.80	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.64	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	48.08	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	48.92	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.07	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.41	FR1 n41_ 100M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch518598_2N
Report - Receive Distortion	Ok	Minimum SDNR [dB]	29.84	FR1 n41_ 100M

ACQUA Report
WB 128kbps_Ch518598_2N

Title: FR1 n41_ 100M _QPSK_1RB_1Offset _EVS

and Noise (Conversational Gain)		, (occured at 250Hz)		_QPSK_1RB_1Offset _EVS WB 128kbps_Ch518598_2N
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	2.15	FR1 n41_ 100M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch518598_2N
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 230.2 Hz	1.73	FR1 n41_ 100M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch518598_2N

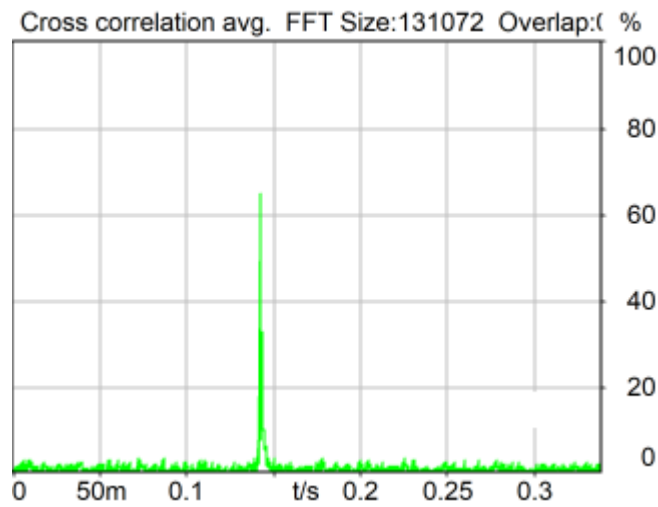
ACQUA Report
WB 128kbps_Ch518598_2N

Title: FR1 n41_ 100M _QPSK_1RB_1Offset _EVS

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

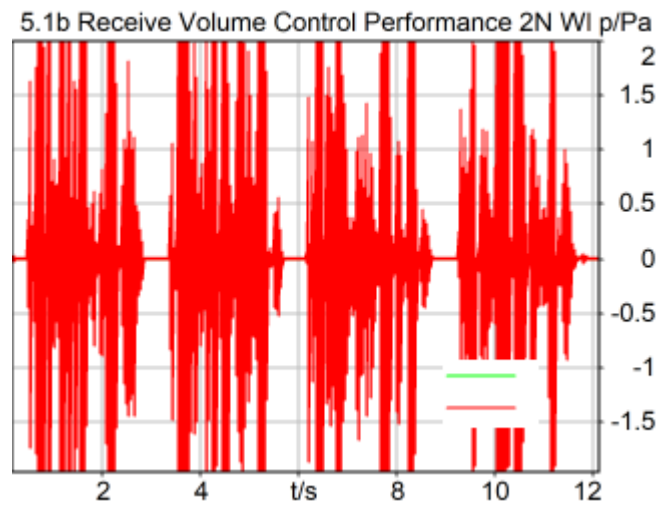


Delay (Cross): 143.1 ms

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5.1b Receive Volume Control Performance 2N WB

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



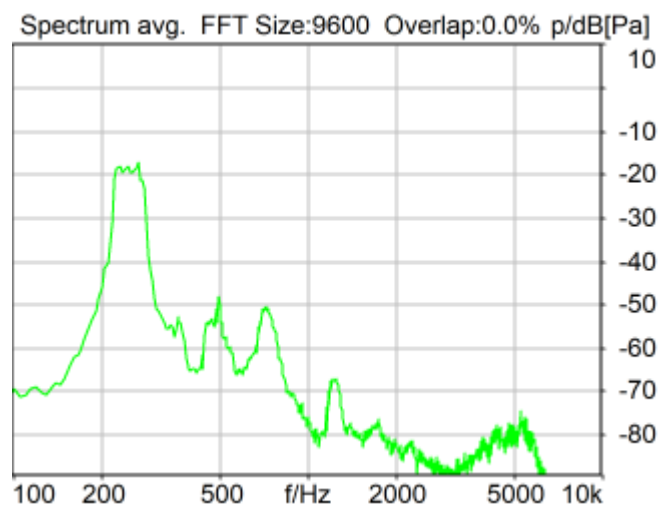
Speech Level RCV: 88.67 dB[SPL], Act.: 83.39% Ok

Ok

25/11/19 11:28 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



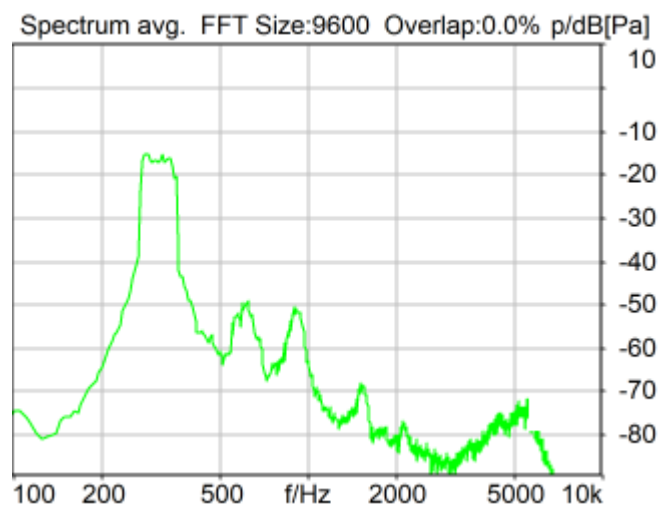
Distortion (Noise) RCV (packed): 29.84 dB (3.22%) Ok

Ok

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5.2 RCV Distortion and Noise - 315 Hz WB

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



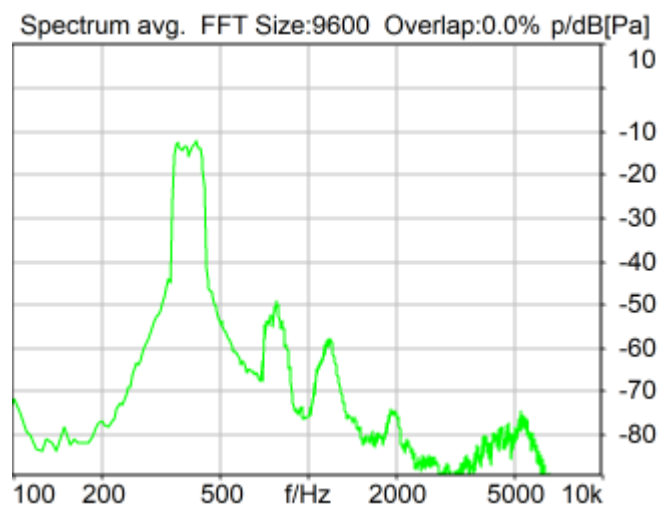
Distortion (Noise) RCV (packed): 31.09 dB (2.79%) Ok

Ok

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5.2 RCV Distortion and Noise - 400 Hz WB

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



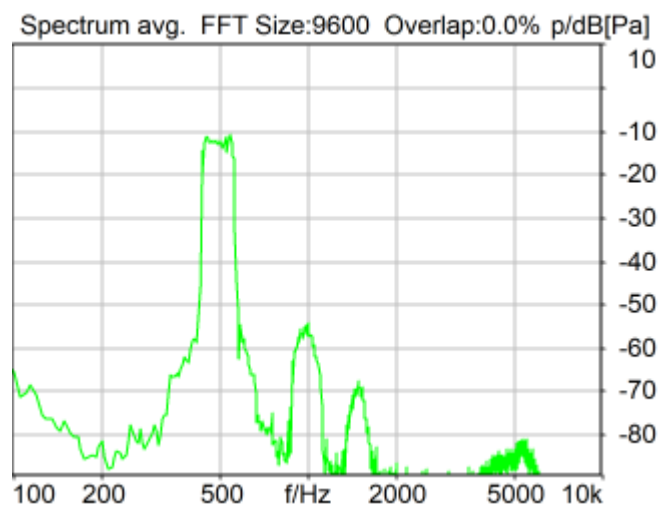
Distortion (Noise) RCV (packed): 36.12 dB (1.56%) Ok

Ok

25/11/19 11:30 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



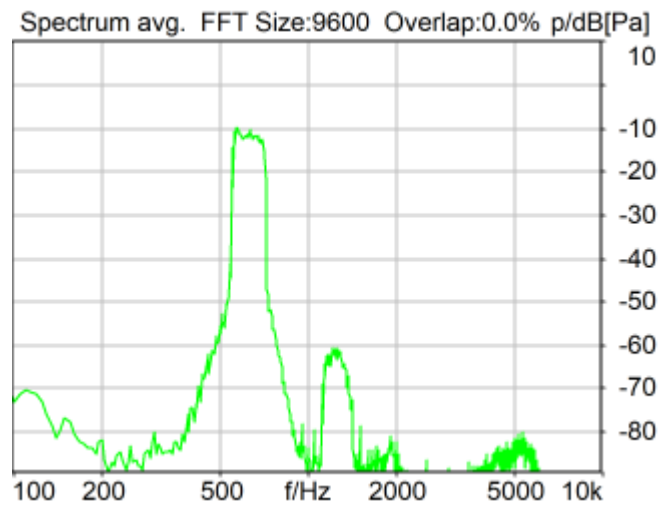
Distortion (Noise) RCV (packed): 42.64 dB (0.74%) Ok

Ok

25/11/19 11:30 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



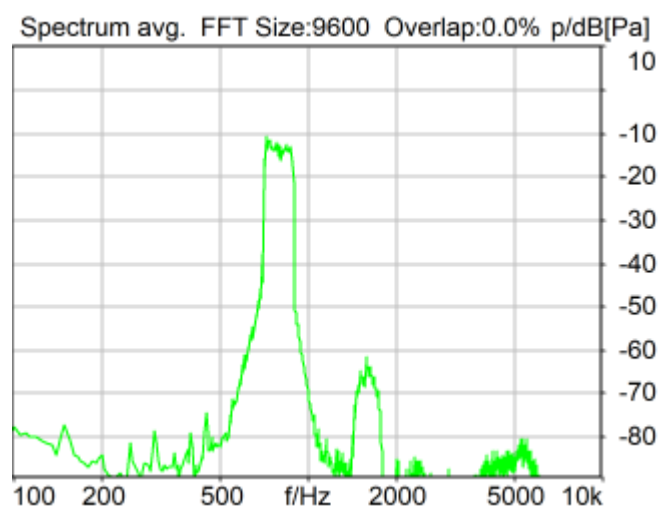
Distortion (Noise) RCV (packed): 45.63 dB (0.52%) Ok

Ok

25/11/19 11:31 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



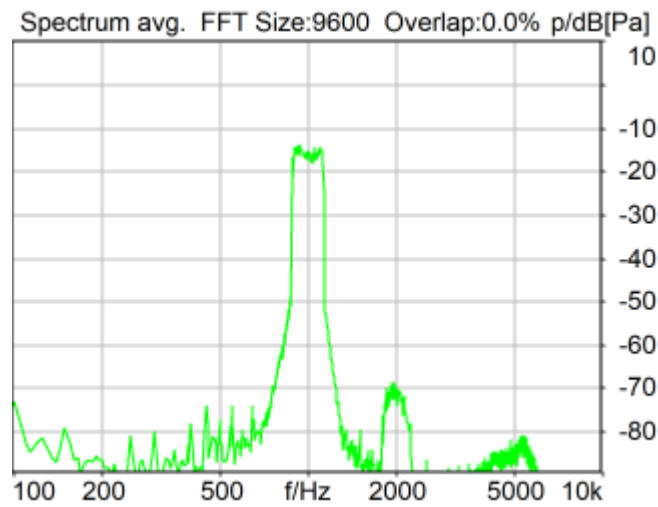
Distortion (Noise) RCV (packed): 45.57 dB (0.53%) Ok

Ok

25/11/19 11:31 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



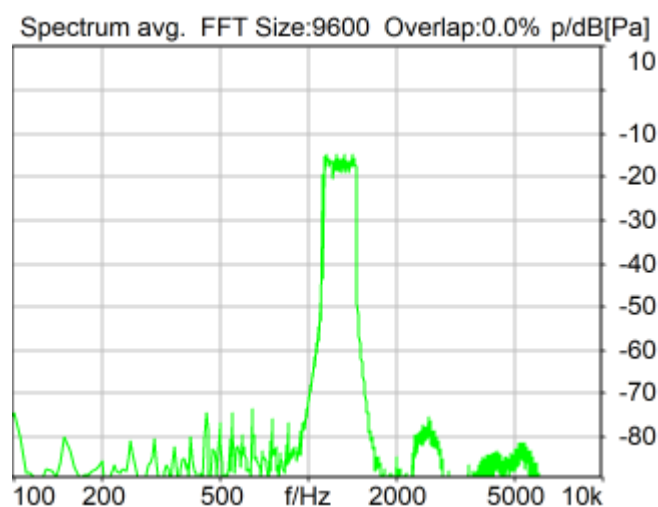
Distortion (Noise) RCV (packed): 45.93 dB (0.50%) Ok

Ok

25/11/19 11:32 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



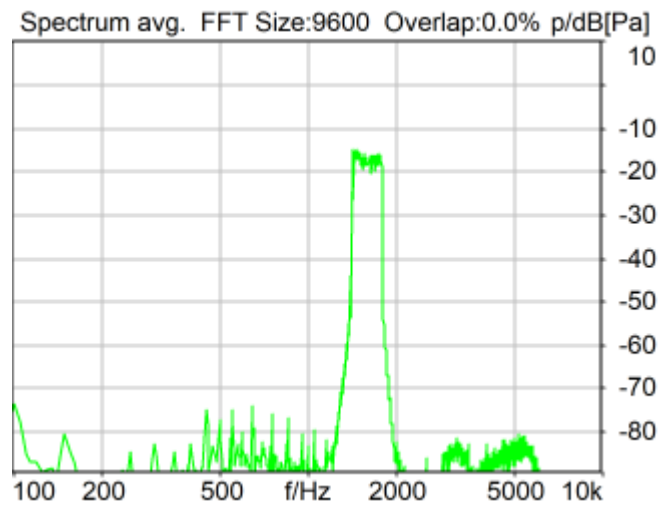
Distortion (Noise) RCV (packed): 33.96 dB (2.01%) Ok

Ok

25/11/19 11:32 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



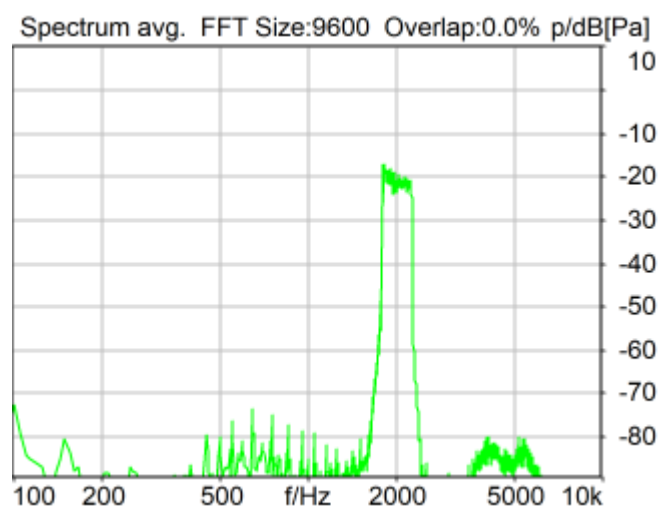
Distortion (Noise) RCV (packed): 48.80 dB (0.36%) Ok

Ok

25/11/19 11:33 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



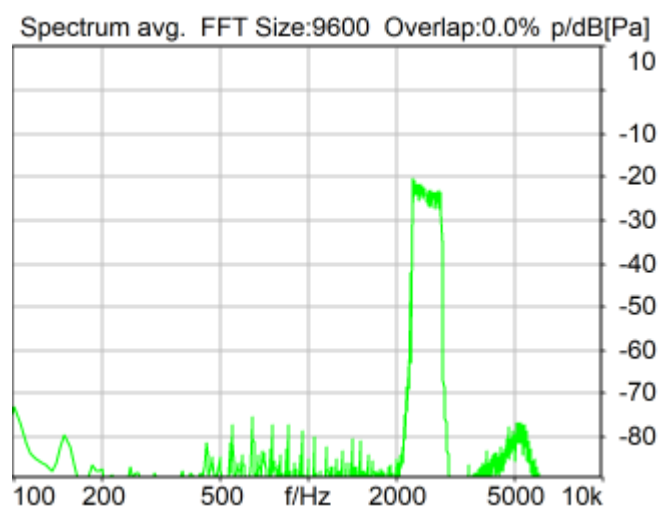
Distortion (Noise) RCV (packed): 46.64 dB (0.47%) Ok

Ok

25/11/19 11:33 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



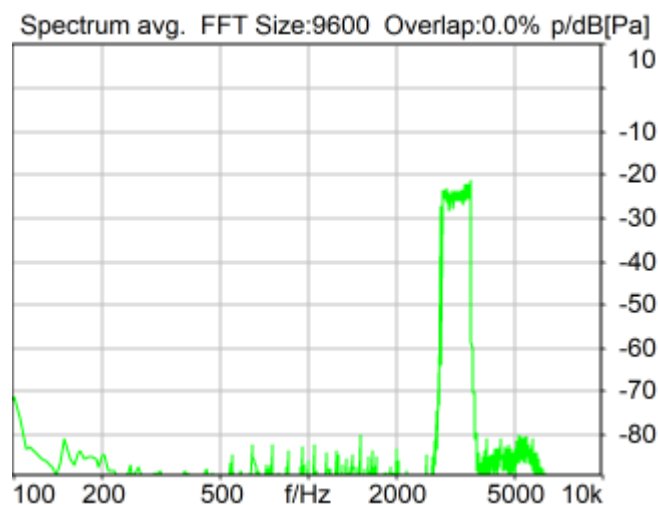
Distortion (Noise) RCV (packed): 48.08 dB (0.39%) Ok

Ok

25/11/19 11:34 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



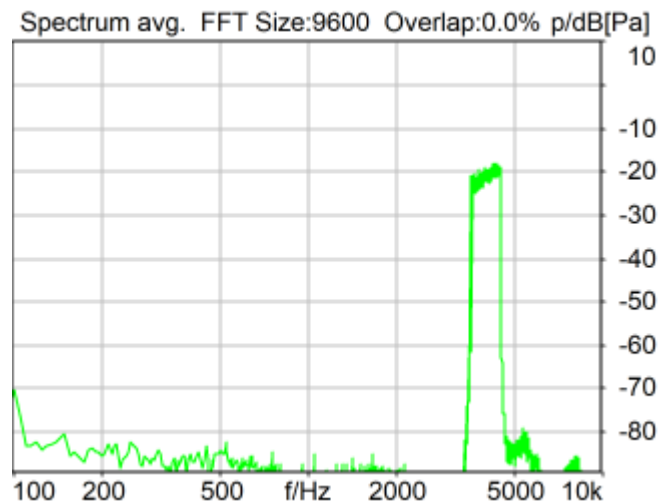
Distortion (Noise) RCV (packed): 48.92 dB (0.36%) Ok

Ok

25/11/19 11:34 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



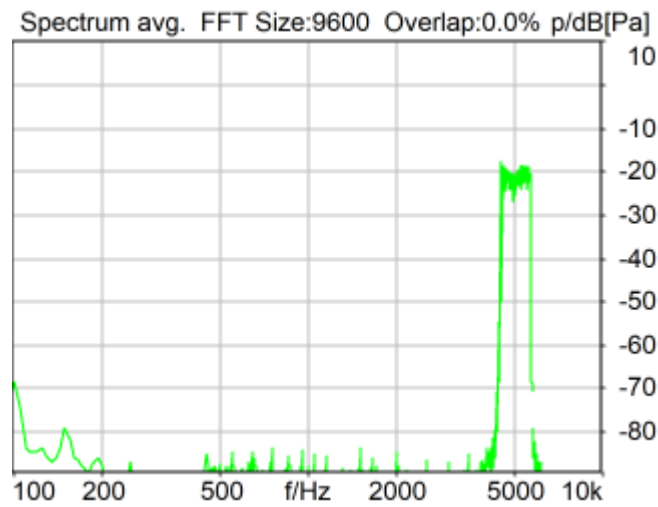
Distortion (Noise) RCV (packed): 53.07 dB (0.22%) Ok

Ok

25/11/19 11:35 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): 52.41 dB (0.24%) Ok

Ok

25/11/19 11:35 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	29.84 dB
2	315Hz	31.09 dB
3	400Hz	36.12 dB
4	500Hz	42.64 dB
5	630Hz	45.63 dB
6	800Hz	45.57 dB
7	1000Hz	45.93 dB
8	1250Hz	33.96 dB
9	1600Hz	48.80 dB
10	2000Hz	46.64 dB
11	2500Hz	48.08 dB
12	3150Hz	48.92 dB
13	4000Hz	53.07 dB
14	5000Hz	52.41 dB

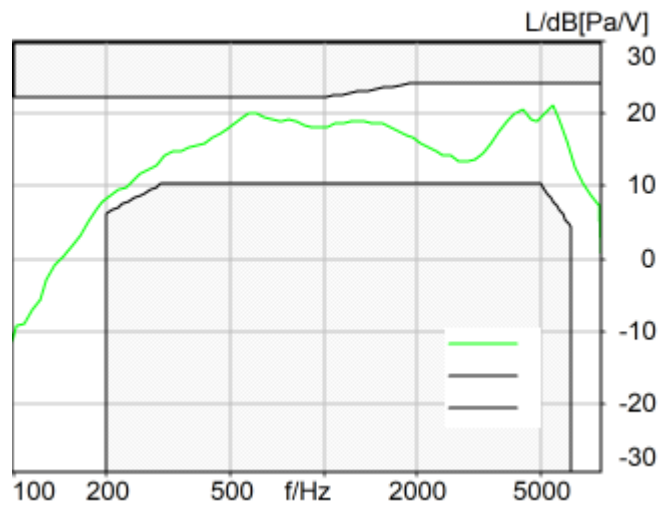
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 29.84dB at 250Hz.

25/11/19 11:36 ACQUA

5.3 Frequency Response 2N FF

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



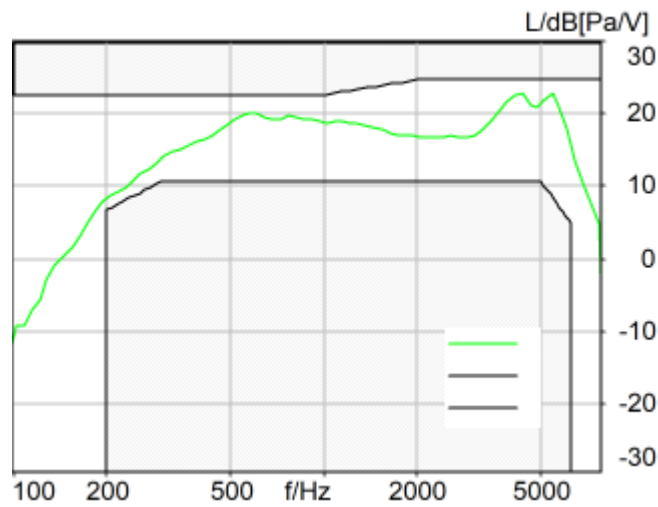
Absolute minimal distance
2.15 dB at 611.7 Hz Ok

Ok

25/11/19 11:36 ACQUA 5.1.200

5.3 Frequency Response 2N DF

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



Absolute minimal distance
1.73 dB at 230.2 Hz Ok

Ok

25/11/19 11:36 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps _EVS NB 24.4kbps_Ch157_8N
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Project	591602
Report Generation Date	25/10/29 9:40
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	288.0	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	96.98	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.68	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.51	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.81	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.33	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.68	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.51	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.99	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.48	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.46	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.84	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 630Hz)	28.81	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.80	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.90	WLAN5GHz_802.11a 6Mbps _EVS NB 24. 4kbps_Ch157_8N

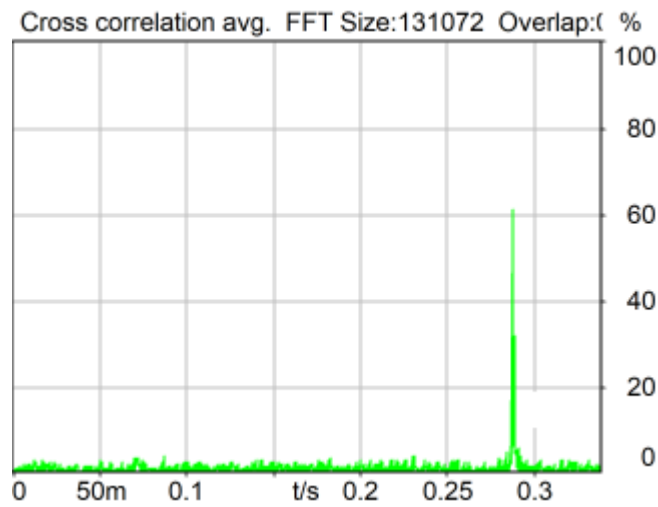
ACQUA Report
4kbps_Ch157_8N

Title: WLAN5GHz_802.11a 6Mbps _EVS NB 24.

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

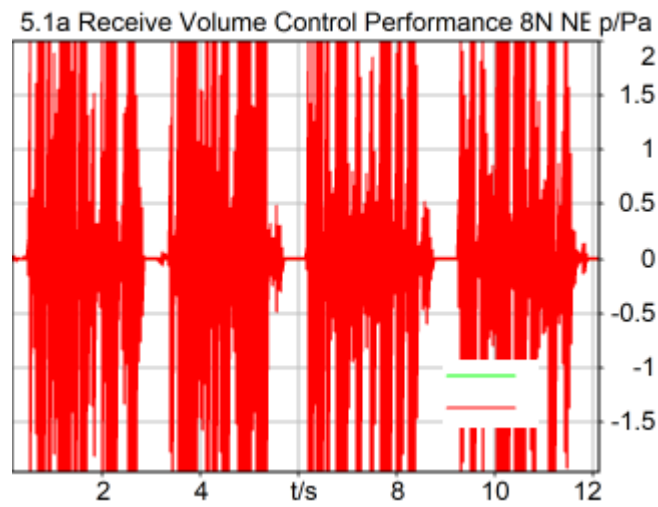


Delay (Cross): 288.0 ms

25/10/29 9:13 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



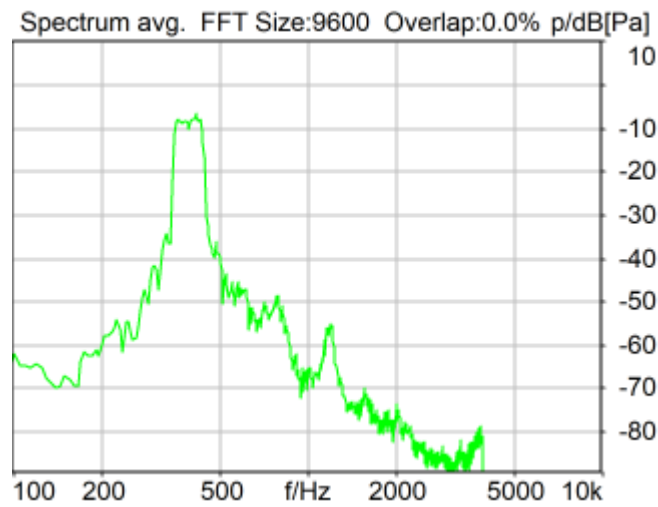
Speech Level RCV: 96.98 dB[SPL], Act.: 80.11% Ok

Ok

25/10/29 9:40 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



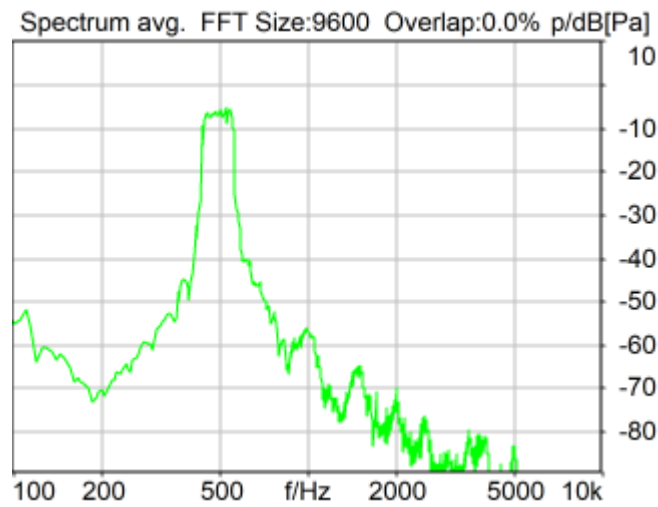
Distortion (Noise) RCV (packed): 34.68 dB (1.85%) Ok

Ok

25/10/29 9:14 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



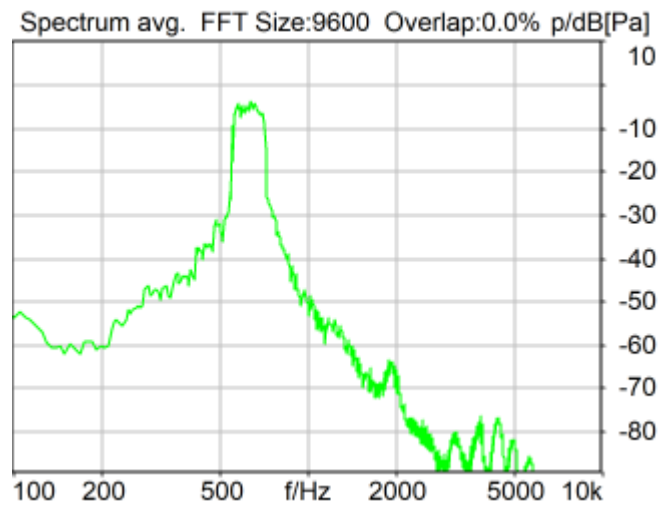
Distortion (Noise) RCV (packed): 37.51 dB (1.33%) Ok

Ok

25/10/29 9:15 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



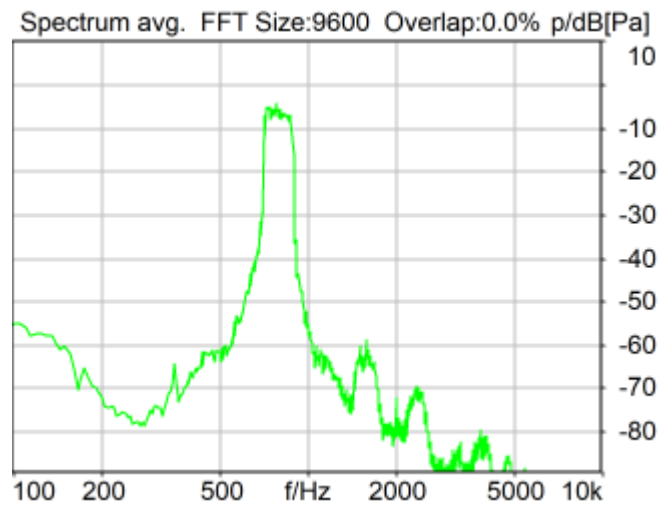
Distortion (Noise) RCV (packed): 28.81 dB (3.63%) Ok

Ok

25/10/29 9:15 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



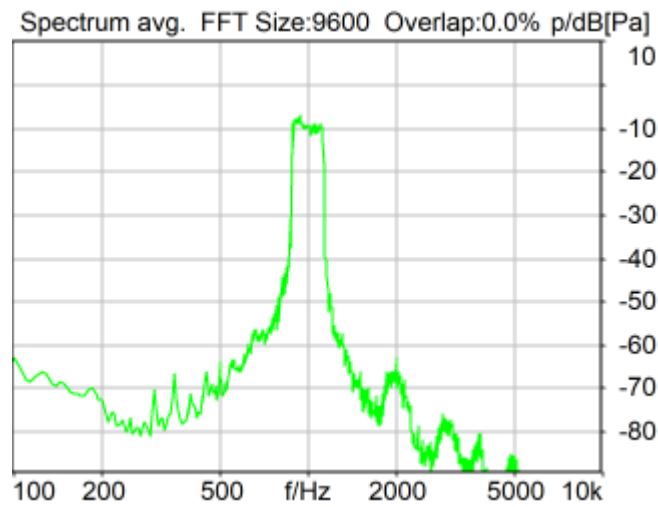
Distortion (Noise) RCV (packed): 41.33 dB (0.86%) Ok

Ok

25/10/29 9:16 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



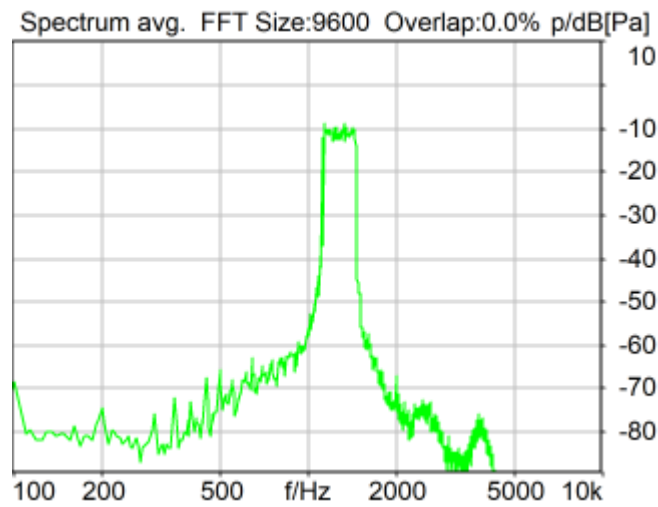
Distortion (Noise) RCV (packed): 40.68 dB (0.92%) Ok

Ok

25/10/29 9:16 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



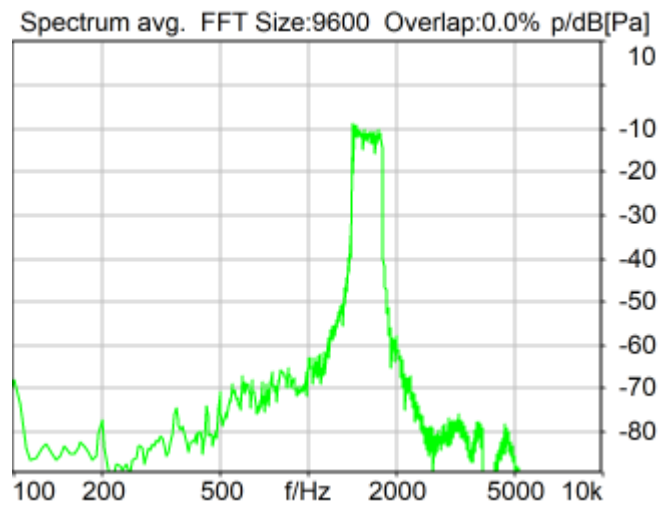
Distortion (Noise) RCV (packed): 33.51 dB (2.11%) Ok

Ok

25/10/29 9:17 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



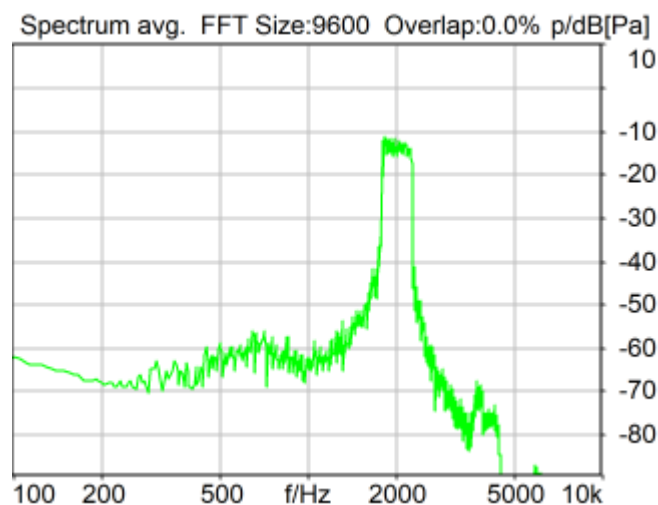
Distortion (Noise) RCV (packed): 38.99 dB (1.12%) Ok

Ok

25/10/29 9:17 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



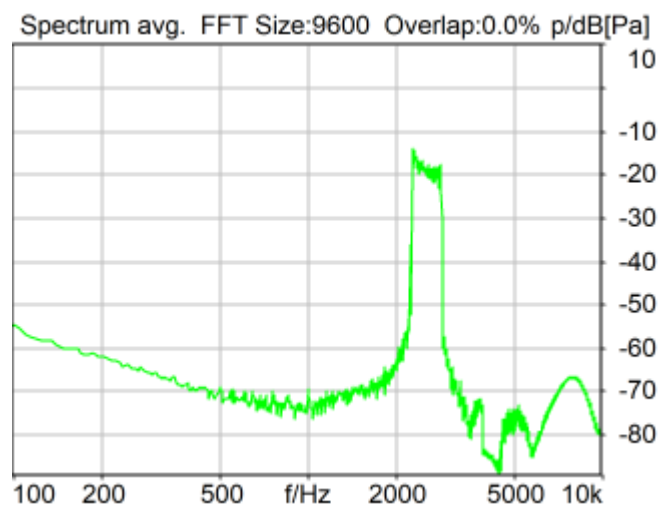
Distortion (Noise) RCV (packed): 31.48 dB (2.67%) Ok

Ok

25/10/29 9:18 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



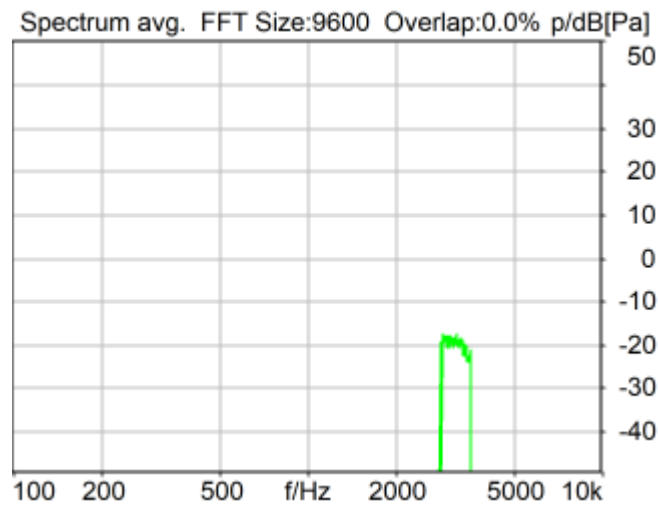
Distortion (Noise) RCV (packed): 38.46 dB (1.19%) Ok

Ok

25/10/29 9:18 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): 34.84 dB (1.81%) Ok

Ok

25/10/29 9:18 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	34.68 dB
2	500Hz	37.51 dB
3	630Hz	28.81 dB
4	800Hz	41.33 dB
5	1000Hz	40.68 dB
6	1250Hz	33.51 dB
7	1600Hz	38.99 dB
8	2000Hz	31.48 dB
9	2500Hz	38.46 dB
10	3150Hz	34.84 dB

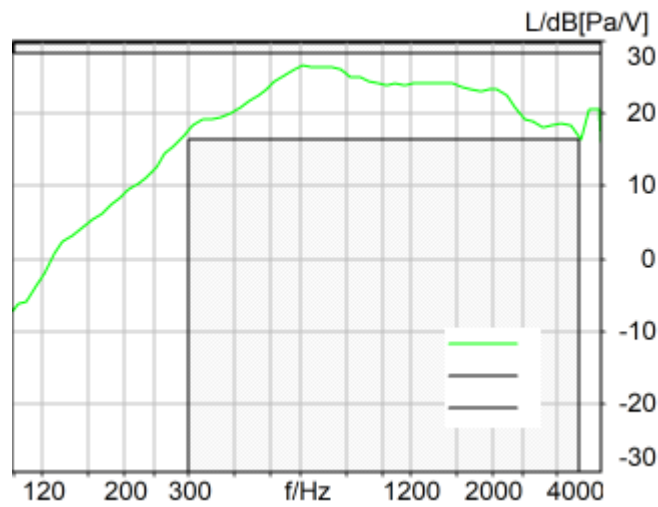
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 28.81dB at 630Hz.

25/10/29 9:19 ACQUA

5.3 Frequency Response 8N FF HANB

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



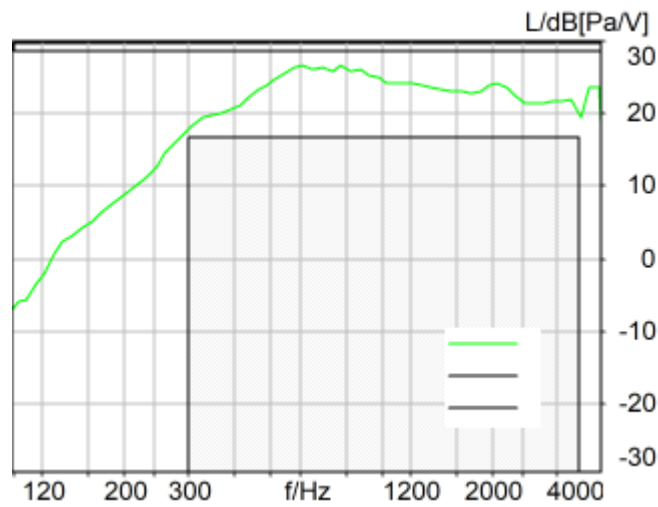
Absolute minimal distance
1.80 dB at 611.7 Hz Ok

Ok

25/10/29 9:19 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance
1.90 dB at 611.7 Hz Ok

Ok

25/10/29 9:19 ACQUA 5.1.200

Measurement Protocol

Measurement Object	WLAN5GHz_802.11a 6Mbps_ EVS NB 24.4kbps_Ch157_8N
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Project	591602
Report Generation Date	25/11/19 11:56
Responsible Person	AC01-KS

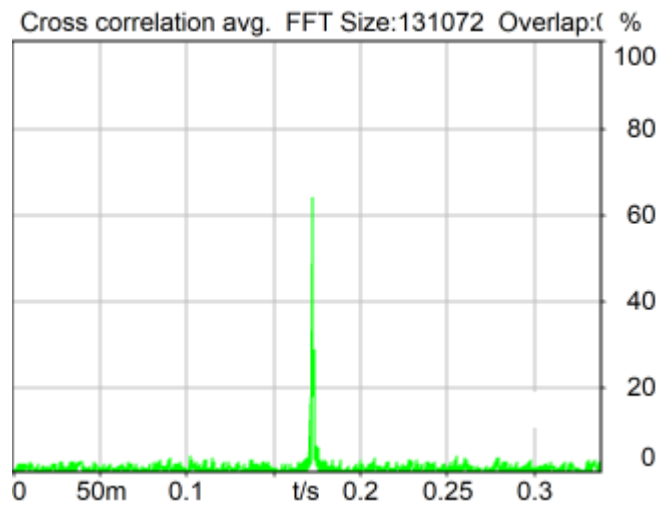
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	172.5	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	96.71	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.16	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.84	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.27	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.69	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.33	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.08	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.00	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.46	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.37	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	36.71	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1250Hz)	29.08	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.17	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_8N
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	1.48	WLAN5GHz_802.11a 6Mbps_EVS NB 24.4kbps_Ch157_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

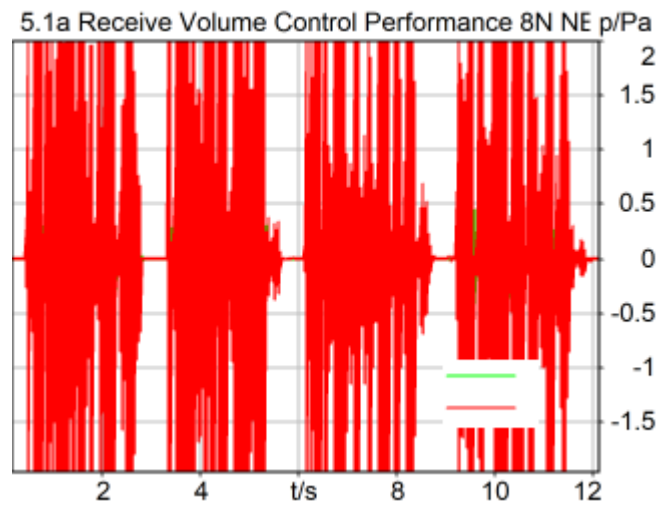


Delay (Cross): 172.5 ms

25/11/19 11:45 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N NB

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



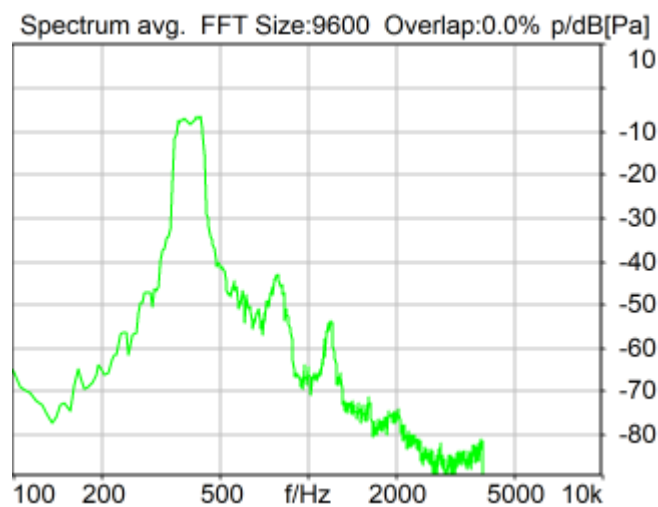
Speech Level RCV: 96.71 dB[SPL], Act.: 80.74% Ok

Ok

25/11/19 11:56 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



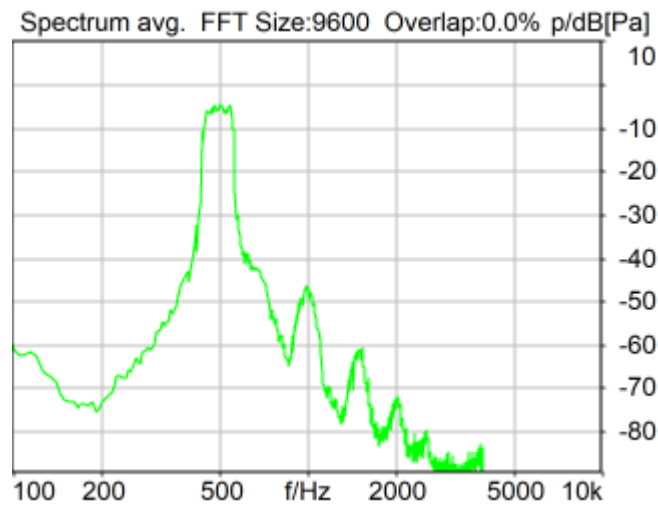
Distortion (Noise) RCV (packed): 34.16 dB (1.96%) Ok

Ok

25/11/19 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



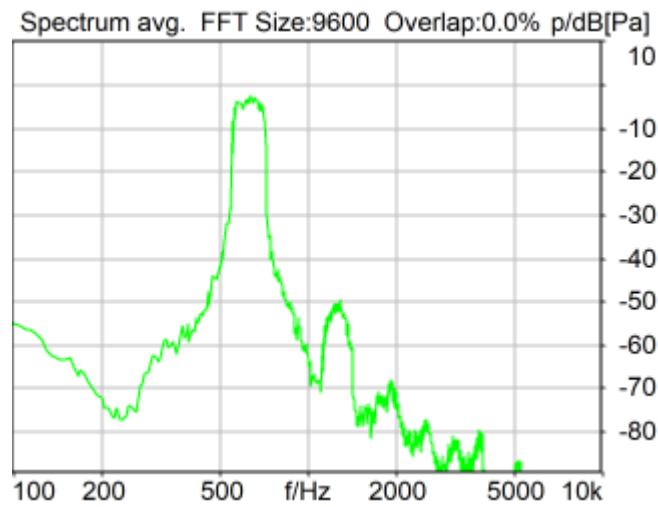
Distortion (Noise) RCV (packed): 35.84 dB (1.61%) Ok

Ok

25/11/19 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



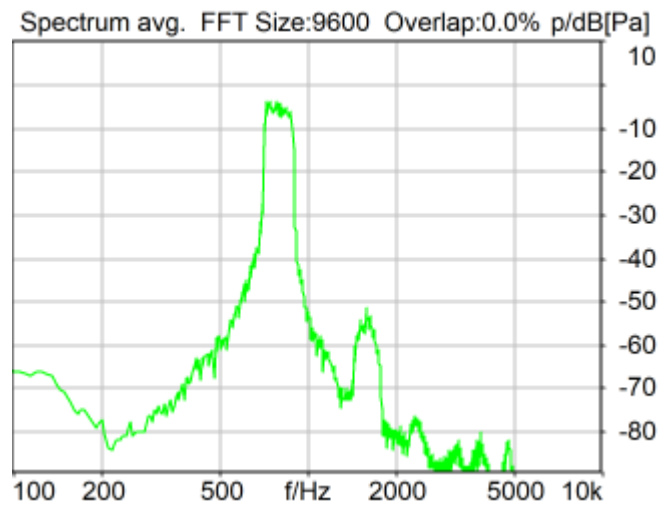
Distortion (Noise) RCV (packed): 39.27 dB (1.09%) Ok

Ok

25/11/19 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



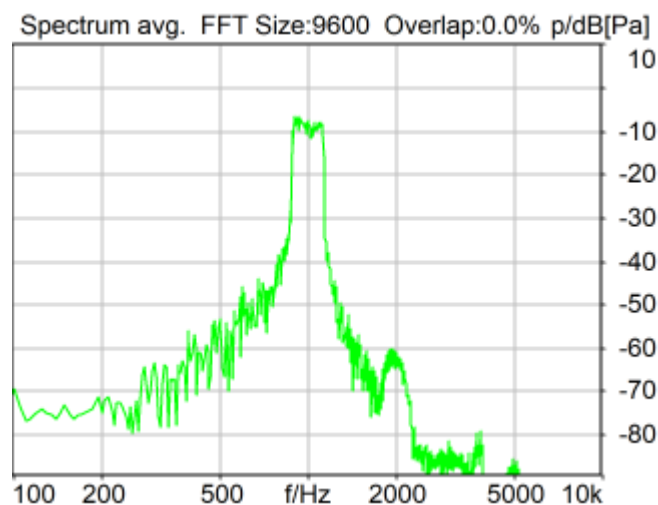
Distortion (Noise) RCV (packed): 39.69 dB (1.04%) Ok

Ok

25/11/19 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



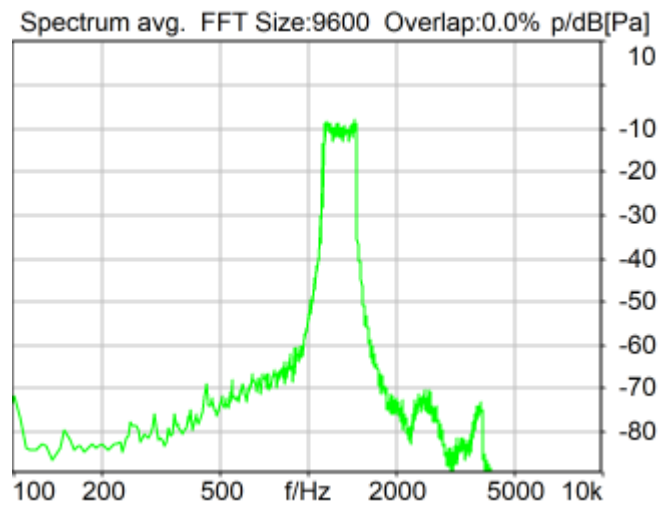
Distortion (Noise) RCV (packed): 33.33 dB (2.16%) Ok

Ok

25/11/19 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



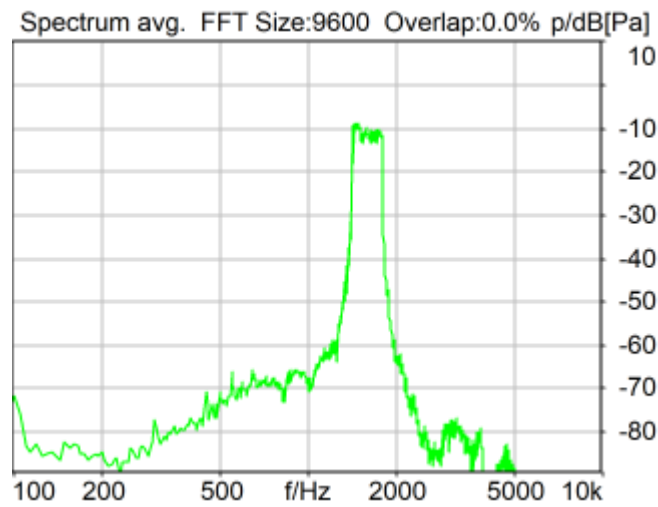
Distortion (Noise) RCV (packed): 29.08 dB (3.52%) Ok

Ok

25/11/19 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



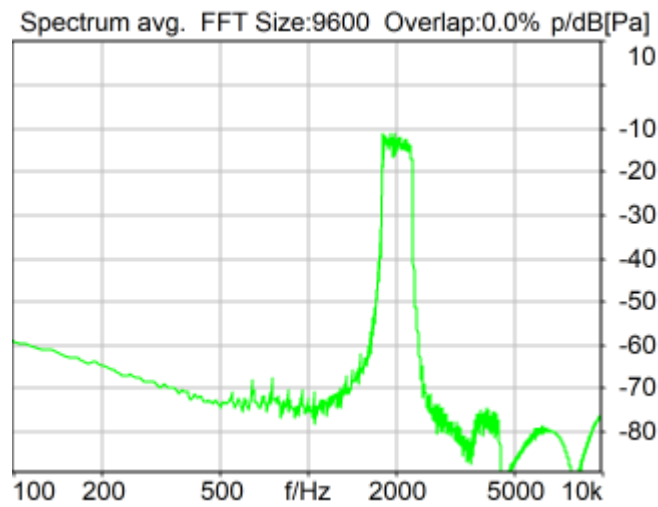
Distortion (Noise) RCV (packed): 38.00 dB (1.26%) Ok

Ok

25/11/19 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



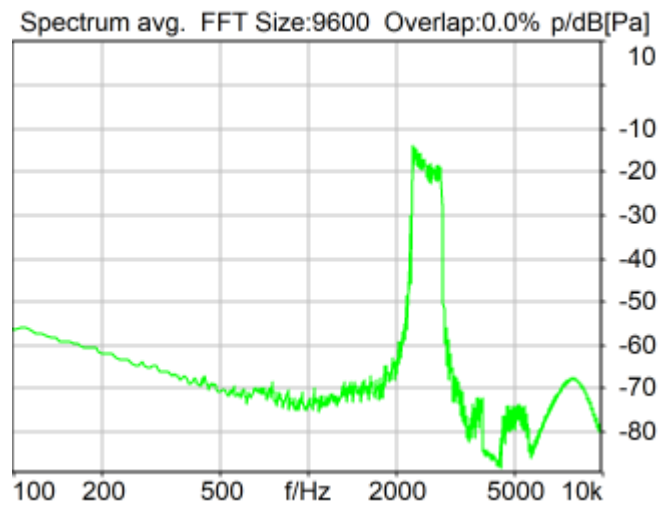
Distortion (Noise) RCV (packed): 38.46 dB (1.19%) Ok

Ok

25/11/19 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



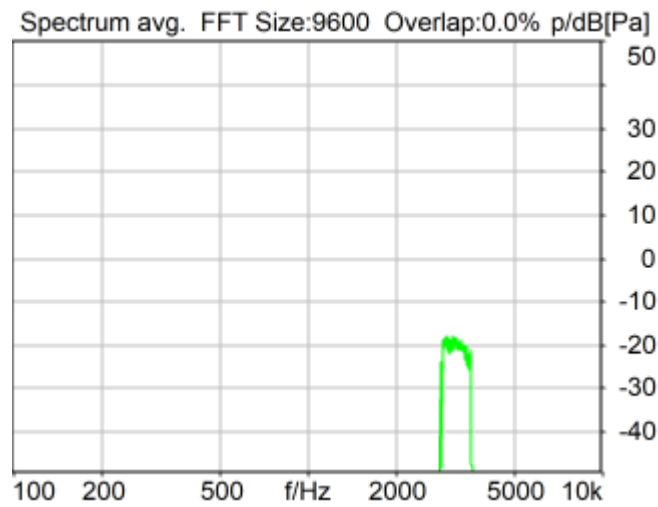
Distortion (Noise) RCV (packed): 35.37 dB (1.70%) Ok

Ok

25/11/19 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): 36.71 dB (1.46%) Ok

Ok

25/11/19 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	34.16 dB
2	500Hz	35.84 dB
3	630Hz	39.27 dB
4	800Hz	39.69 dB
5	1000Hz	33.33 dB
6	1250Hz	29.08 dB
7	1600Hz	38.00 dB
8	2000Hz	38.46 dB
9	2500Hz	35.37 dB
10	3150Hz	36.71 dB

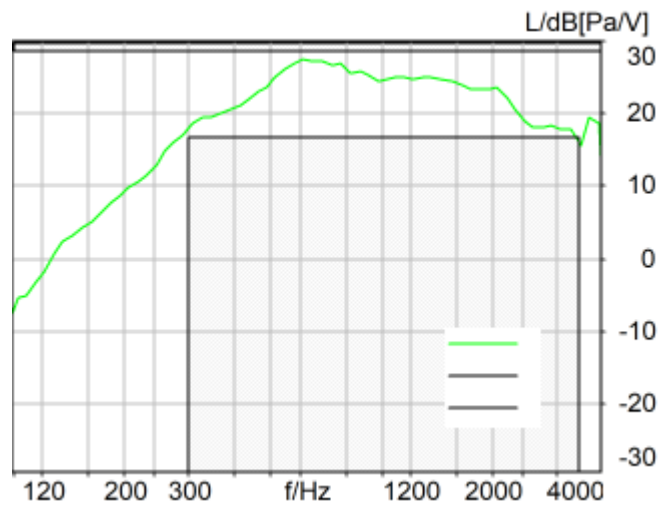
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 29.08dB at 1250Hz.

25/11/19 11:52 ACQUA

5.3 Frequency Response 8N FF HANB

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



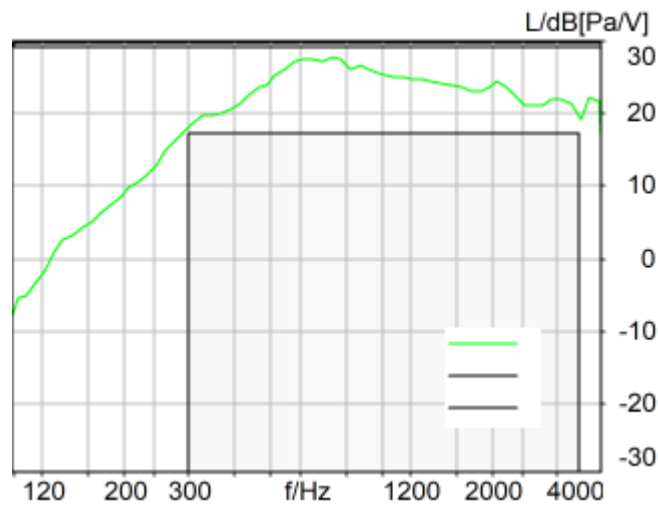
Absolute minimal distance
1.17 dB at 611.7 Hz Ok

Ok

25/11/19 11:53 ACQUA 5.1.200

5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance
1.48 dB at 731.5 Hz Ok

Ok

25/11/19 11:53 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n25_40M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch376500_2N
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Project	591602
Report Generation Date	25/10/29 10:29
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	294.4	FR1 n25_40M _QPSK_1RB_1Offset_EVS WB 128kbps_Ch376500_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.11	FR1 n25_40M _QPSK_1RB_1Offset_EVS WB 128kbps_Ch376500_2N

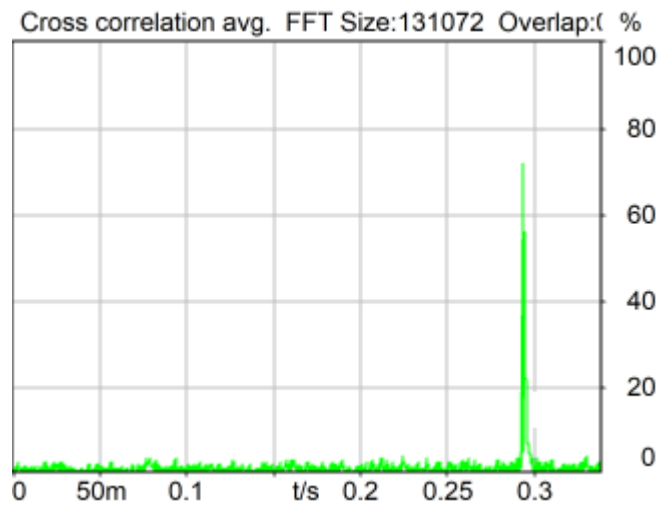
ACQUA Report
WB 128kbps_Ch376500_2N

Title: FR1 n25_40M_QPSK_1RB_1Offset_EVS

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

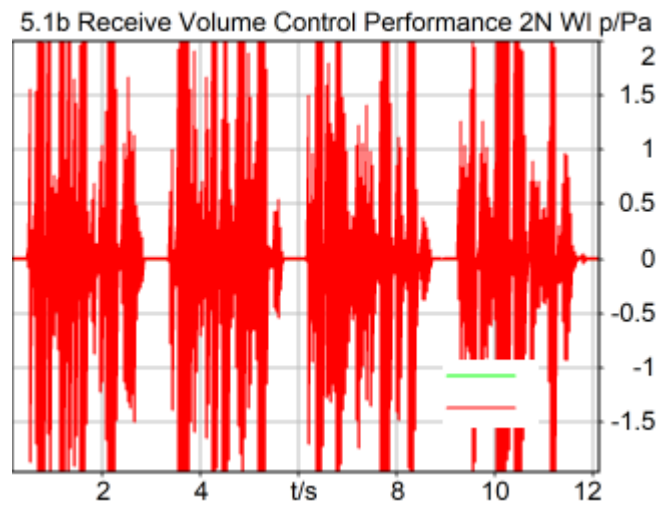


Delay (Cross): 294.4 ms

25/10/29 10:28 ACQUA 5.1.200

5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.11 dB[SPL], Act.: 82.24% Ok

Ok

25/10/29 10:28 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n25_ 40M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch376500_2N
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Project	591602
Report Generation Date	25/11/19 11:40
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	123.6	FR1 n25_ 40M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch376500_2N
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.22	FR1 n25_ 40M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch376500_2N

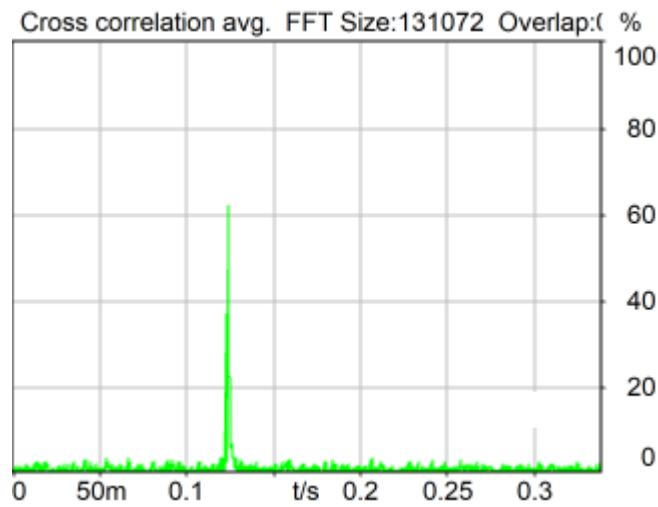
ACQUA Report
WB 128kbps_Ch376500_2N

Title: FR1 n25_ 40M _QPSK_1RB_1Offset _EVS

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

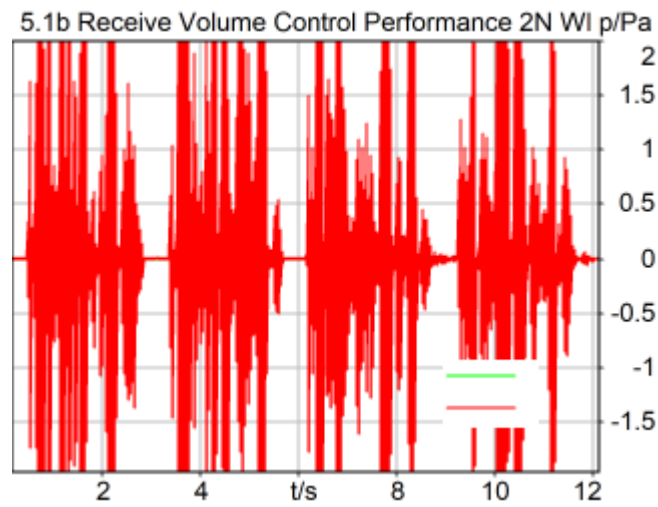


Delay (Cross): 123.6 ms

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5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.22 dB[SPL], Act.: 82.09% Ok

Ok

25/11/19 11:39 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n66_40M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch349000_8N
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Project	591602
Report Generation Date	25/10/29 10:41
Responsible Person	AC01-KS

ACQUA Report
WB 128kbps_Ch349000_8N

Title: FR1 n66_40M_QPSK_1RB_1Offset_EVS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	296.6	FR1 n66_40M_QPSK_1RB_1Offset EVS WB 128kbps_Ch349000_8N
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	92.68	FR1 n66_40M_QPSK_1RB_1Offset EVS WB 128kbps_Ch349000_8N

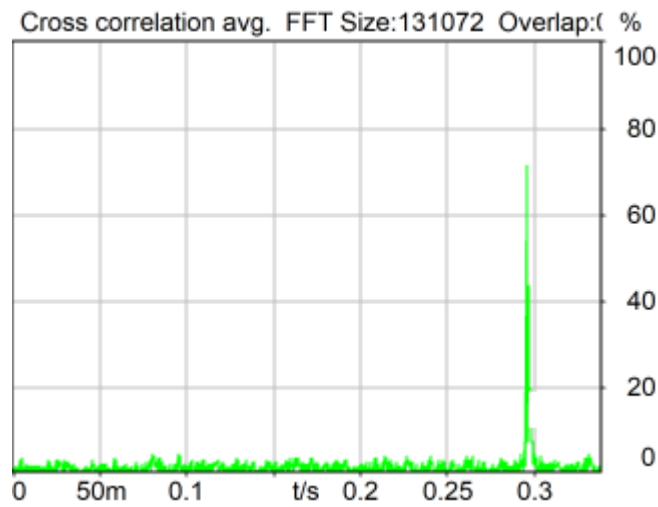
ACQUA Report
WB 128kbps_Ch349000_8N

Title: FR1 n66_40M_QPSK_1RB_1Offset_EVS

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

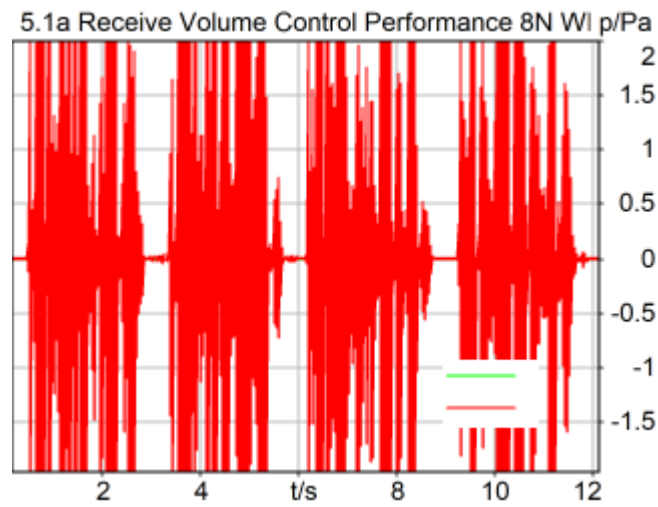


Delay (Cross): 296.6 ms

25/10/29 10:40 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 92.68 dB[SPL], Act.: 82.36% Ok

Ok

25/10/29 10:41 ACQUA 5.1.200

Measurement Protocol

Measurement Object	FR1 n66_ 40M_QPSK_1RB_1Offset_EVS WB 128kbps_Ch349000_8N
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Project	591602
Report Generation Date	25/11/19 11:43
Responsible Person	AC01-KS

Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	123.7	FR1 n66_ 40M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch349000_8N
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	92.64	FR1 n66_ 40M _QPSK_1RB_1Offset _EVS WB 128kbps_Ch349000_8N

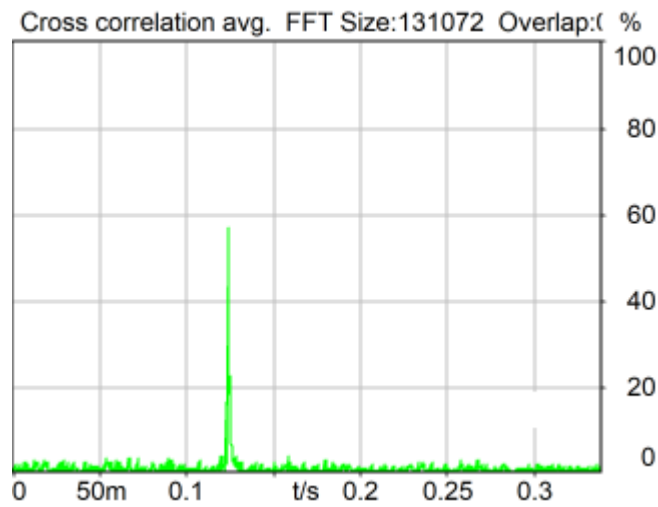
ACQUA Report
WB 128kbps_Ch349000_8N

Title: FR1 n66_ 40M _QPSK_1RB_1Offset _EVS

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

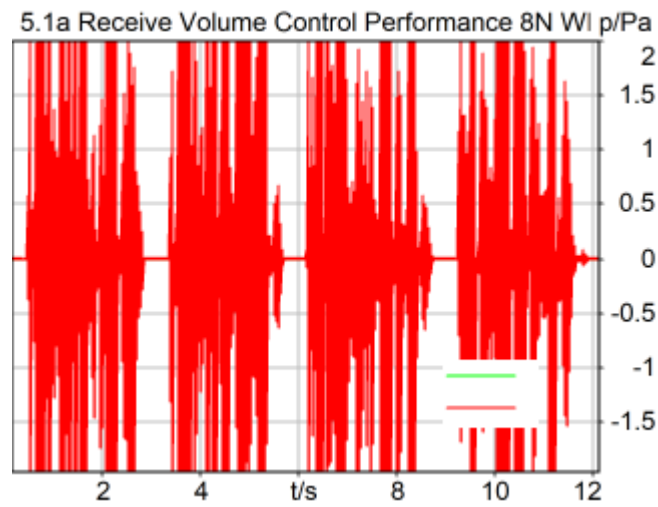


Delay (Cross): 123.7 ms

25/11/19 11:41 ACQUA 5.1.200

5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 92.64 dB[SPL], Act.: 82.16% Ok

Ok

25/11/19 11:43 ACQUA 5.1.200